

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	Monthly Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	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 Types²												
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

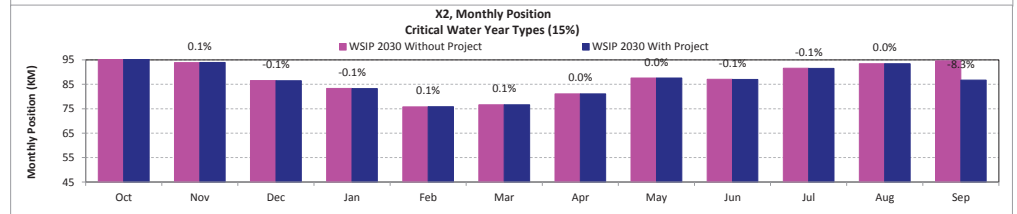
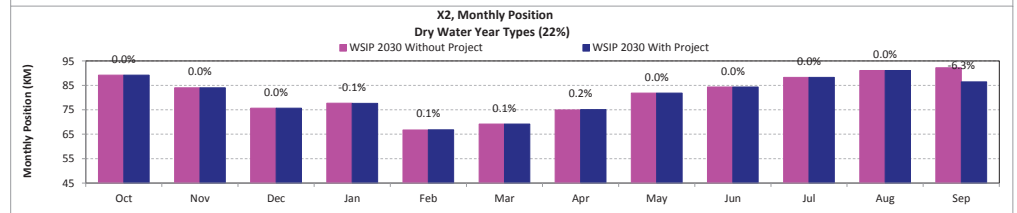
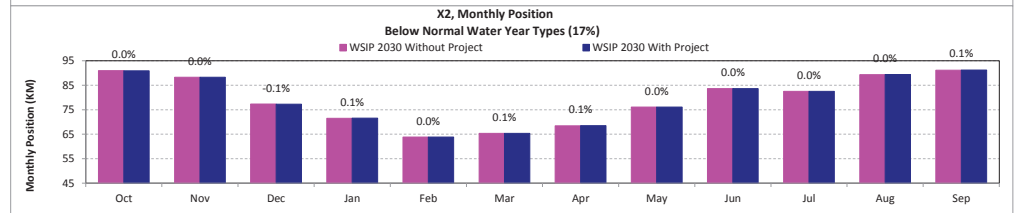
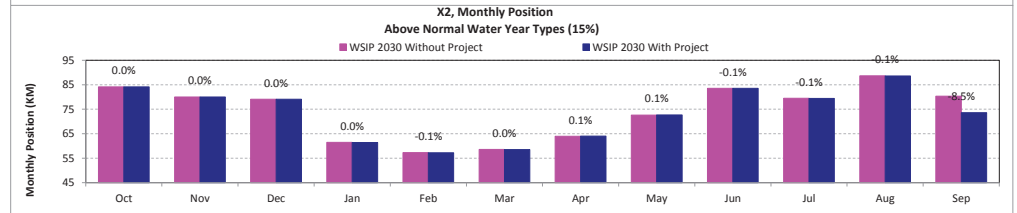
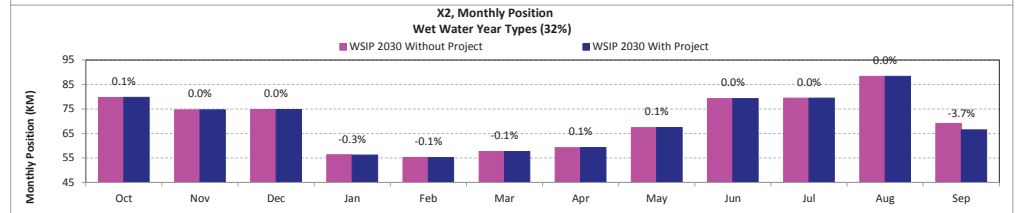
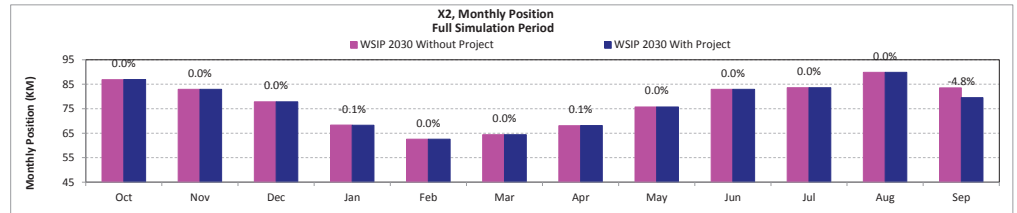


Table SQ-21-a
Sacramento River at Emmaton, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

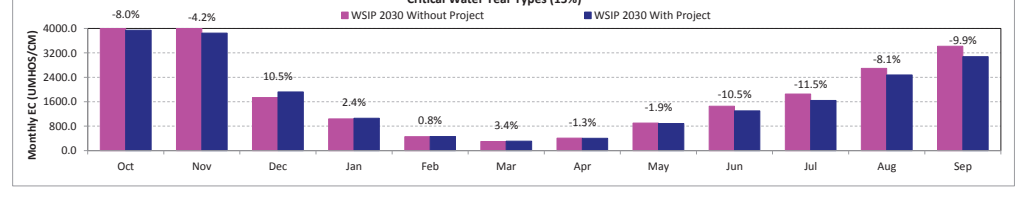
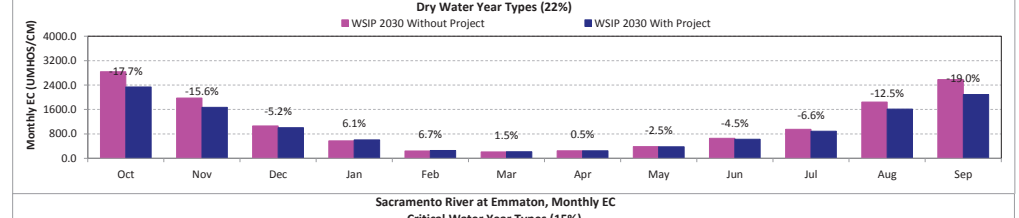
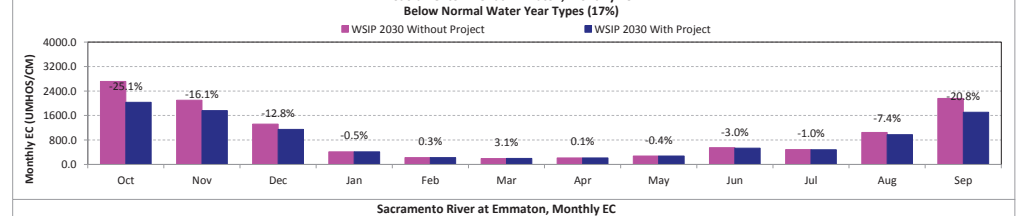
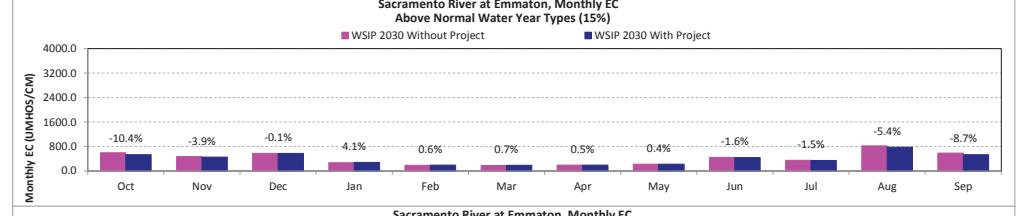
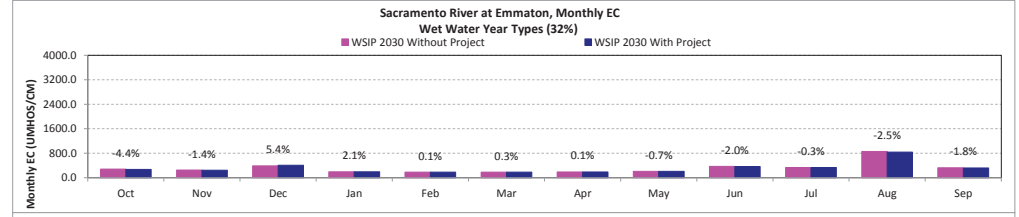
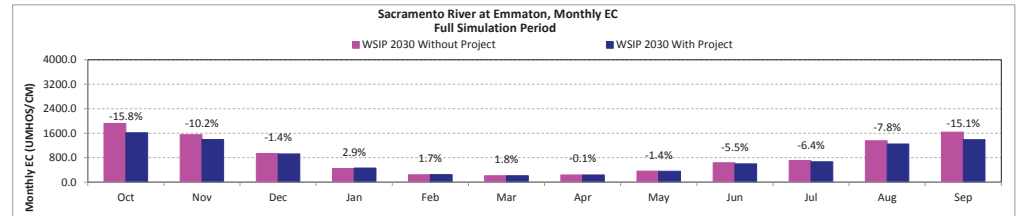


Table SQ-22-a
Sacramento River at Collinsville, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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%	8.8%	1.7%	-0.9%	-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

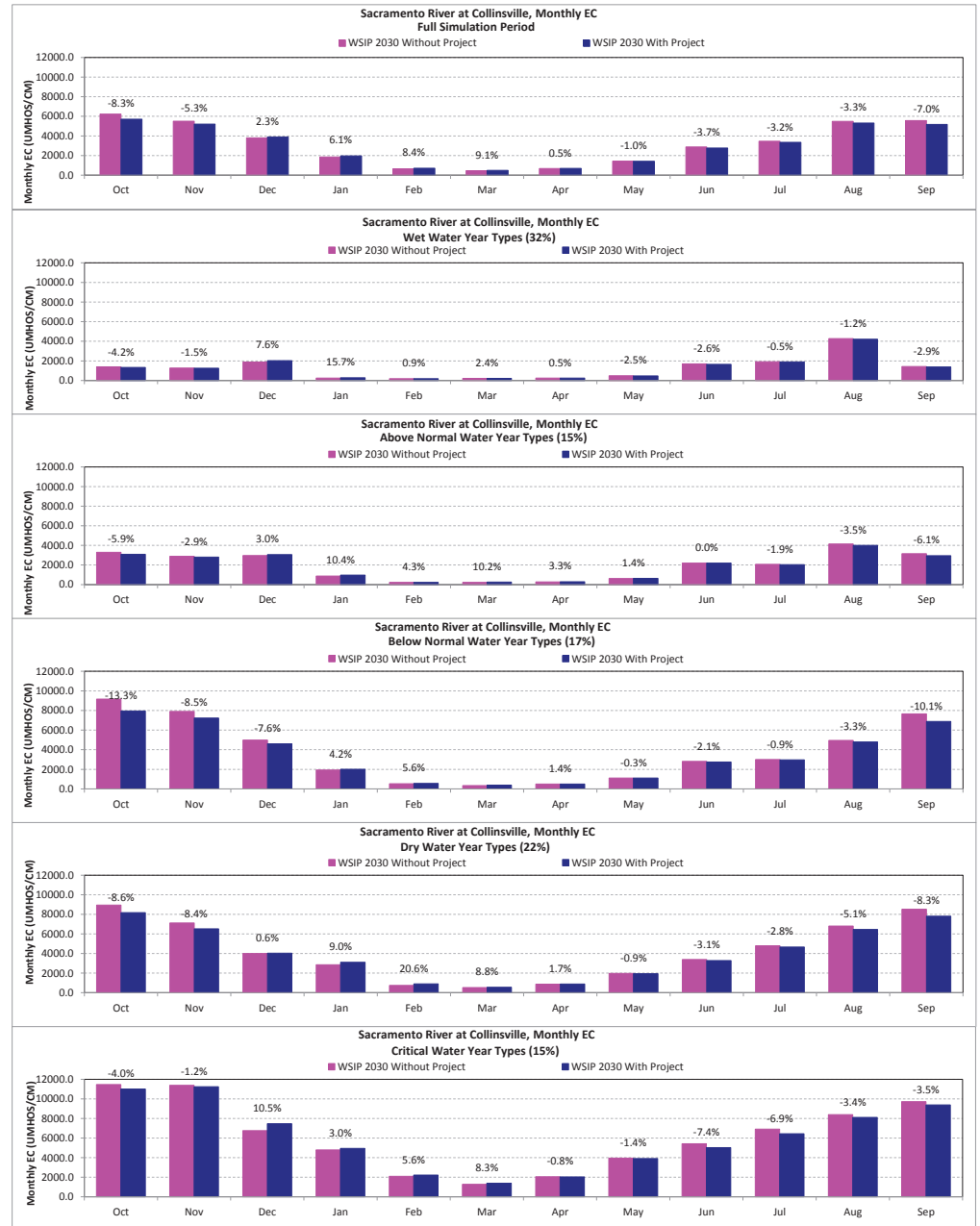


Table SQ-23-a
Sacramento River at Mallard Slough (Chippis Island), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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%	-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%	-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

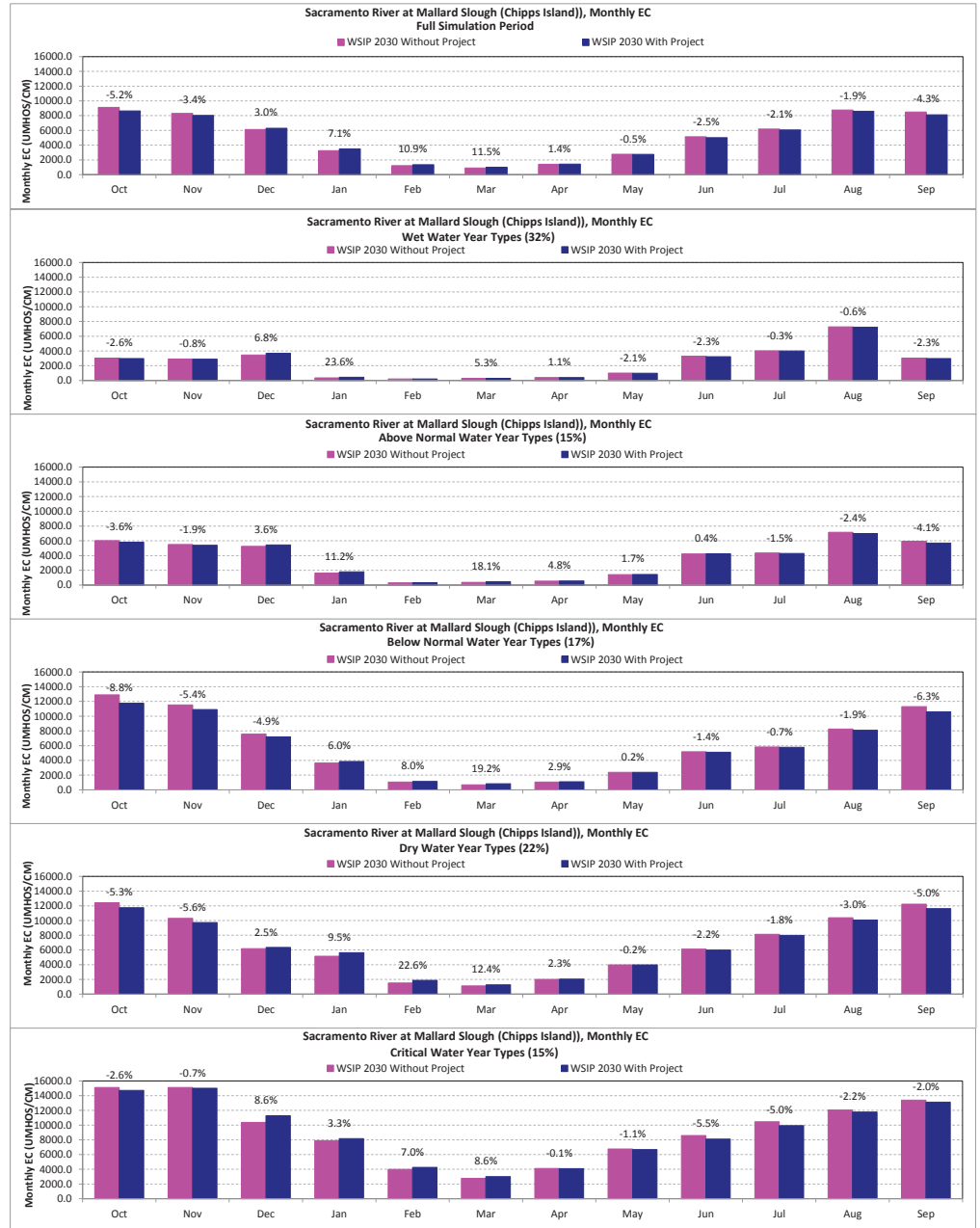


Table SQ-24-a
Sacramento River at Port Chicago (Roe Island), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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%	-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

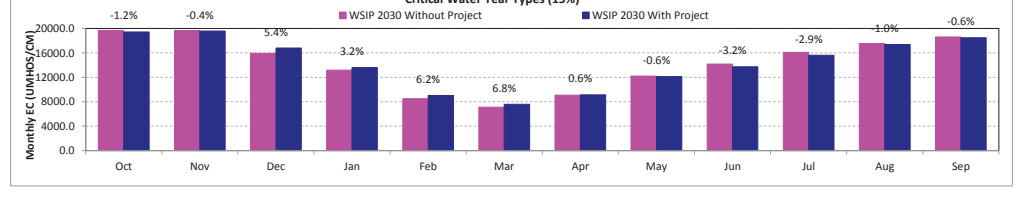
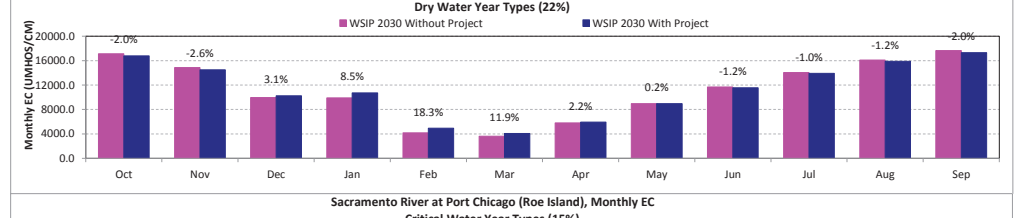
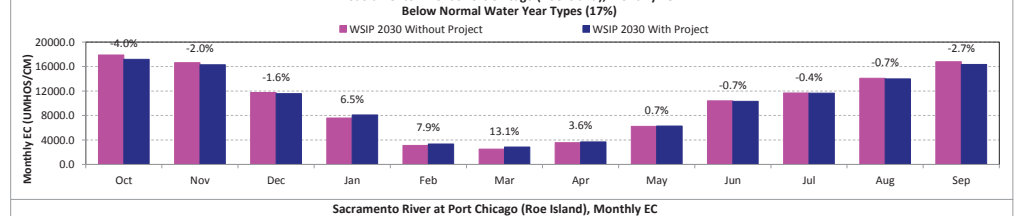
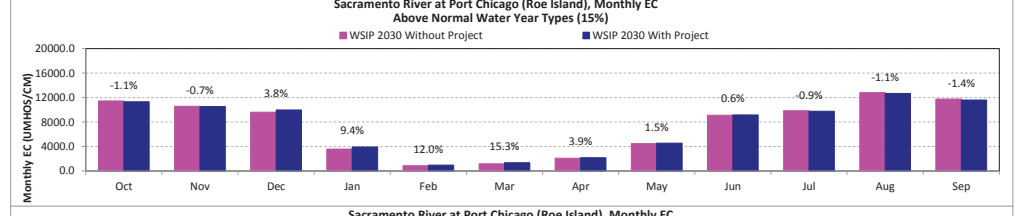
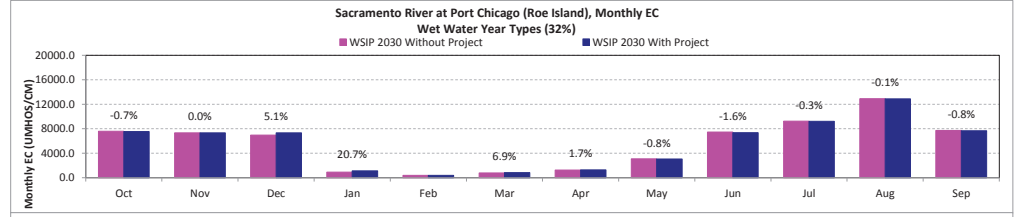
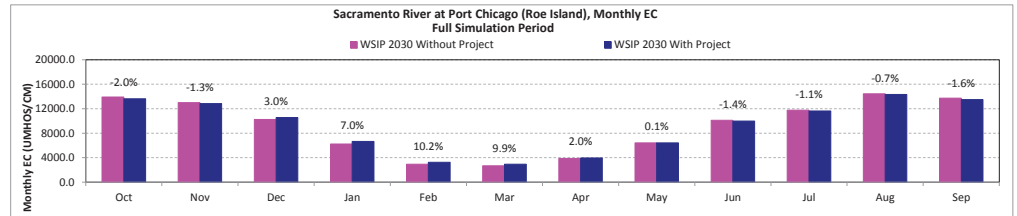


Table SQ-25-a
San Joaquin River at Jersey Point, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

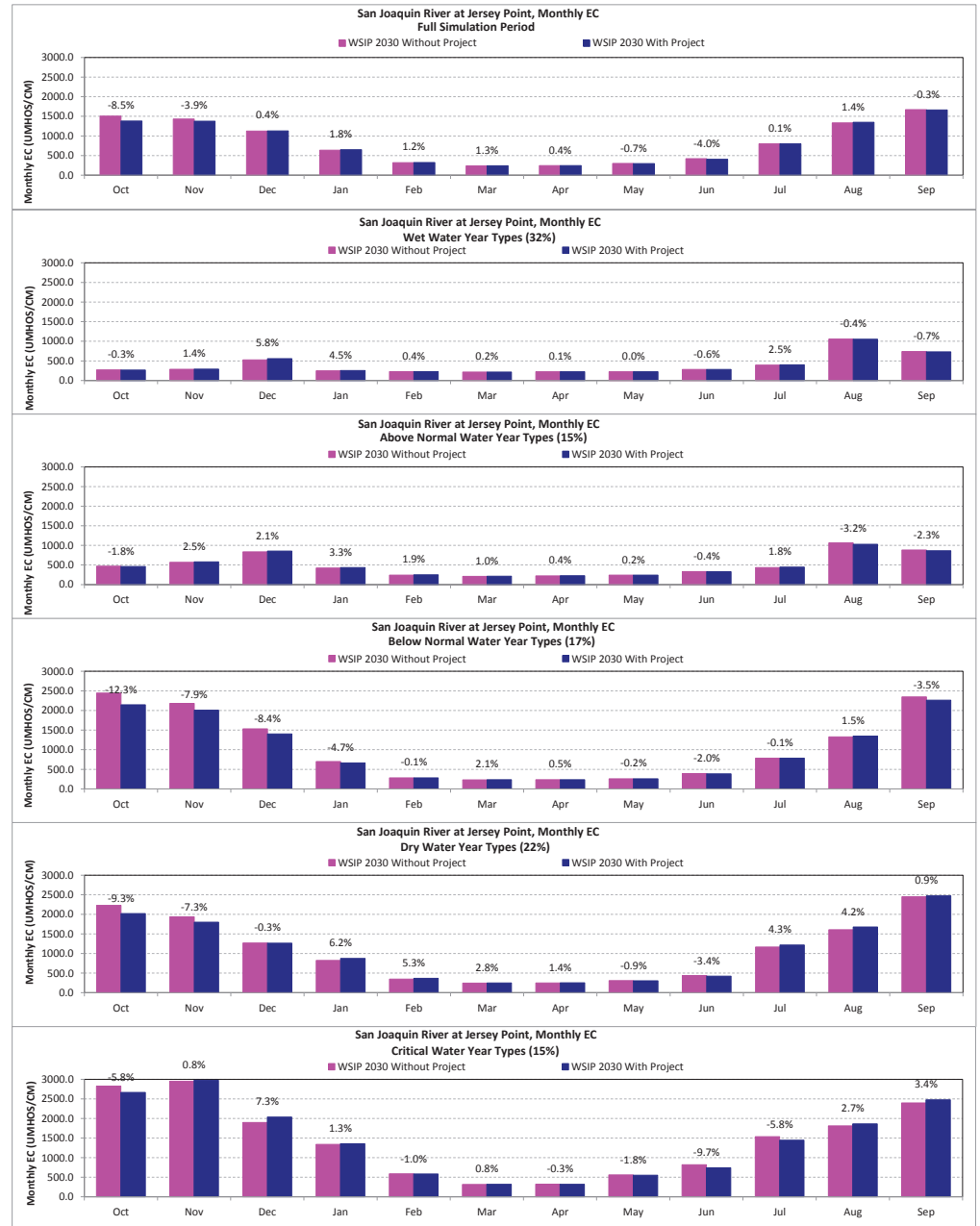


Table SQ-27-a
Old River at Rock Slough, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

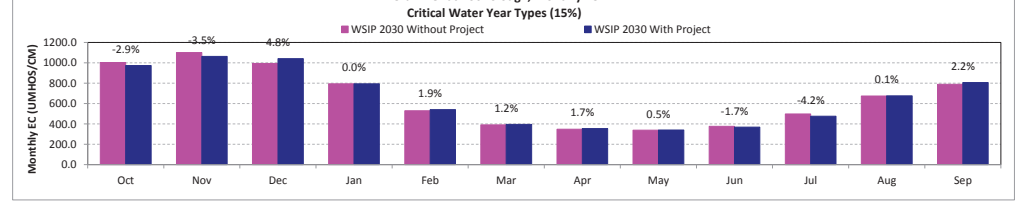
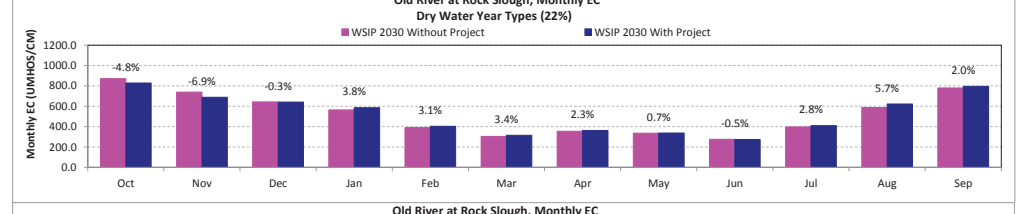
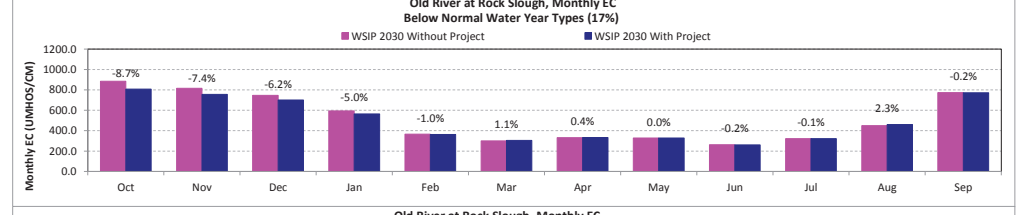
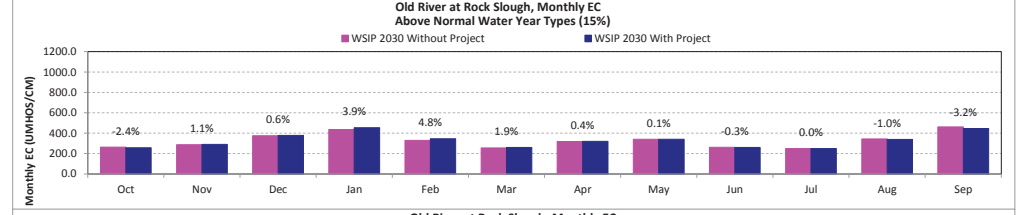
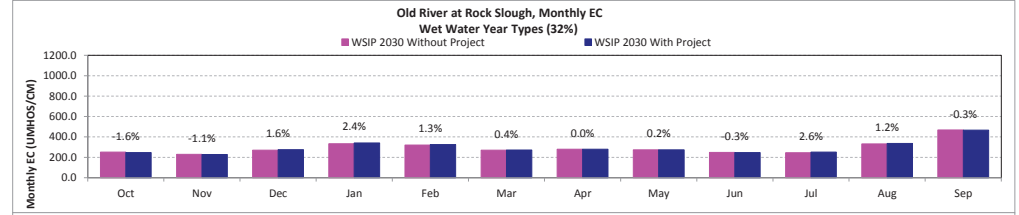
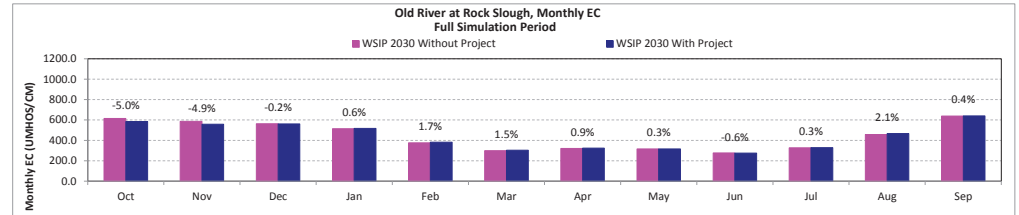


Table SQ-28-a
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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 Period¹												
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 ²	-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 Types²												
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

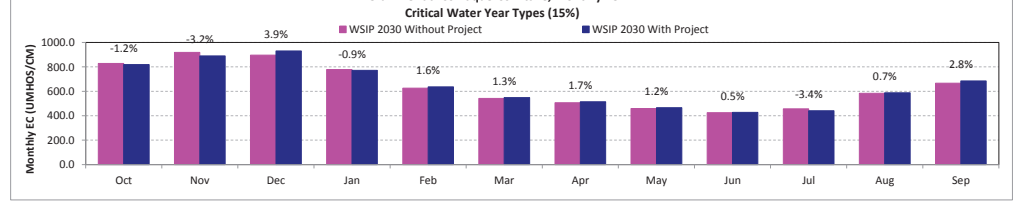
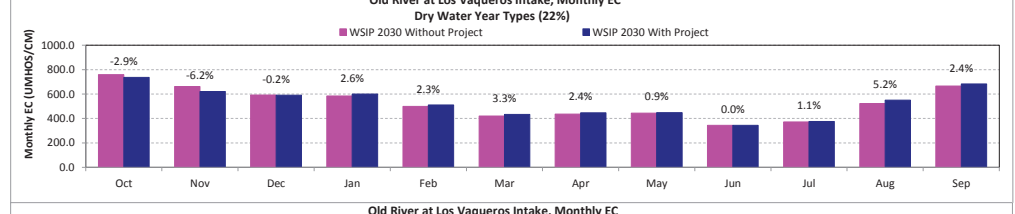
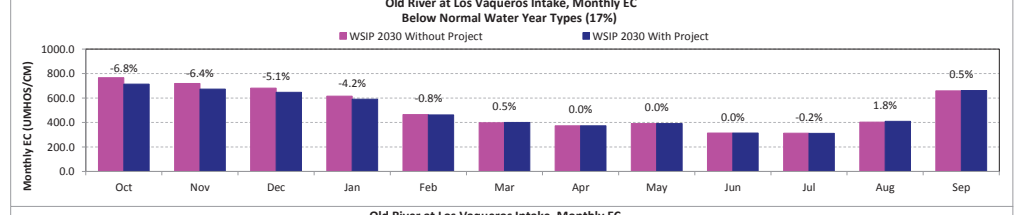
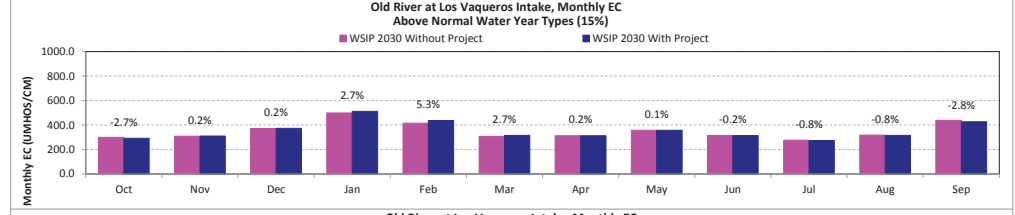
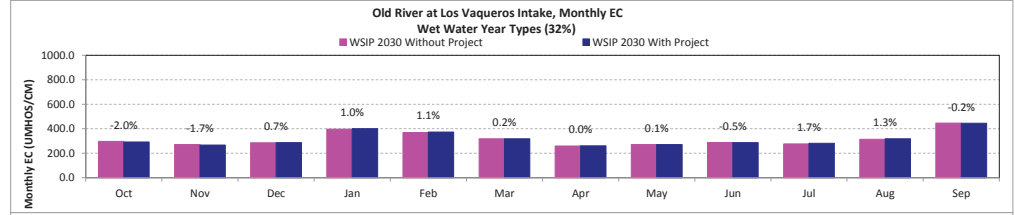
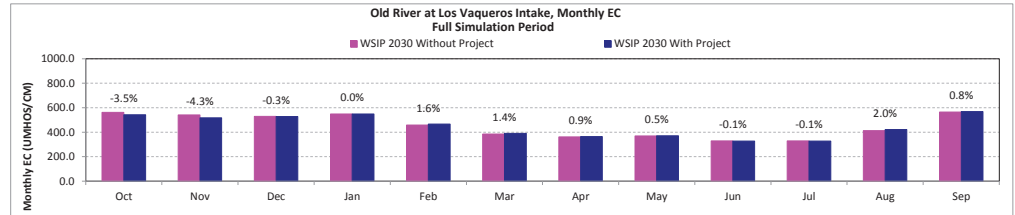


Table SQ-30-a
Victoria Canal at Alternative Intake, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

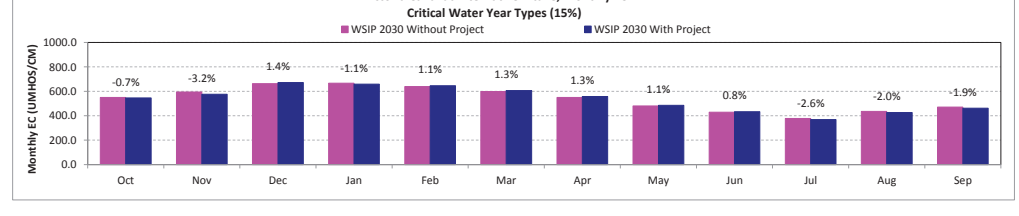
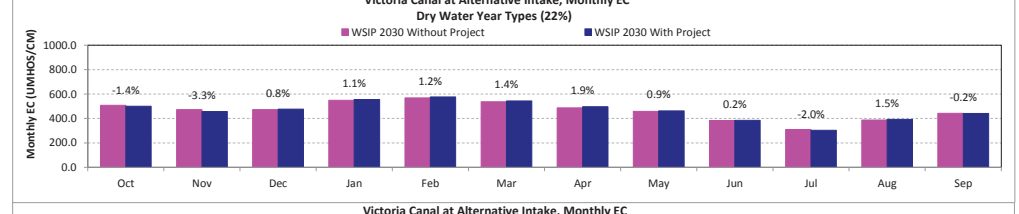
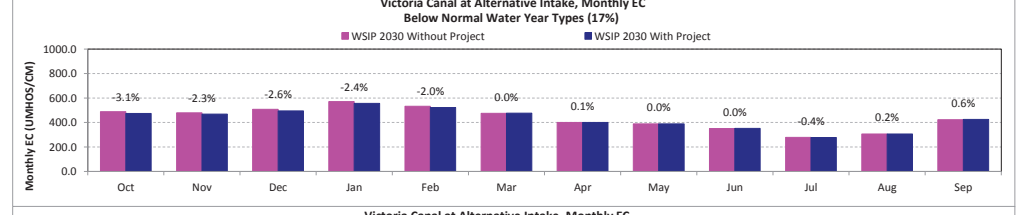
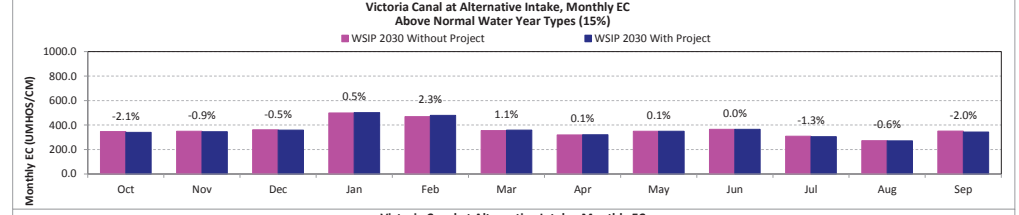
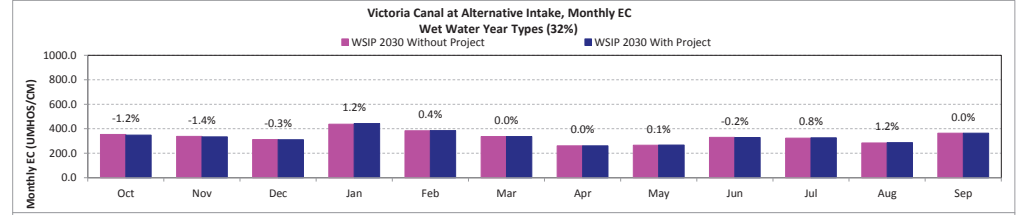
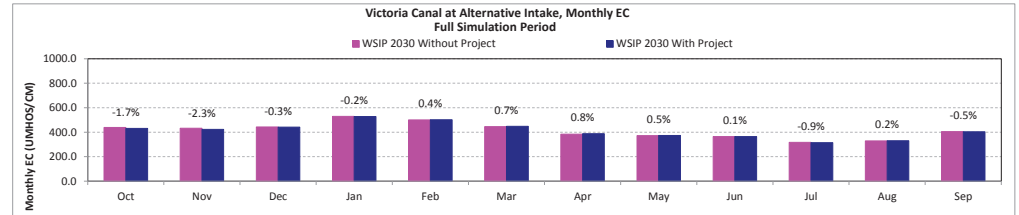


Table SQ-31-a
Clifton Court Forebay, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

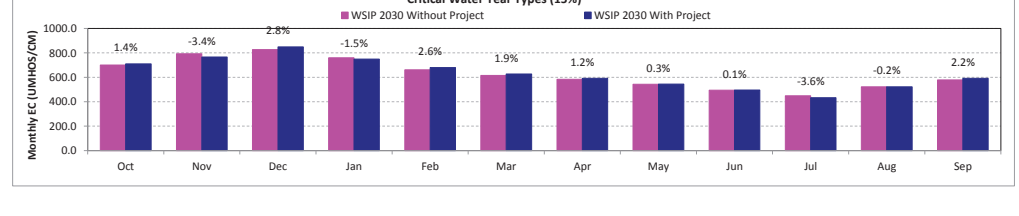
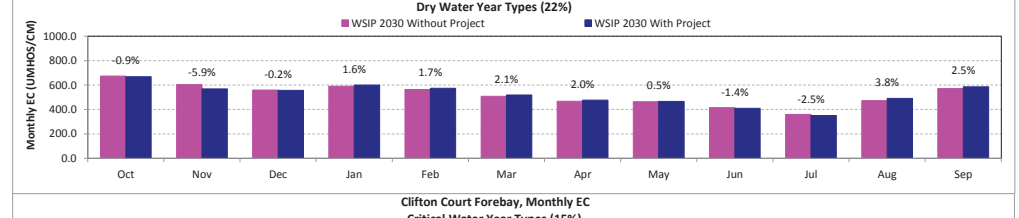
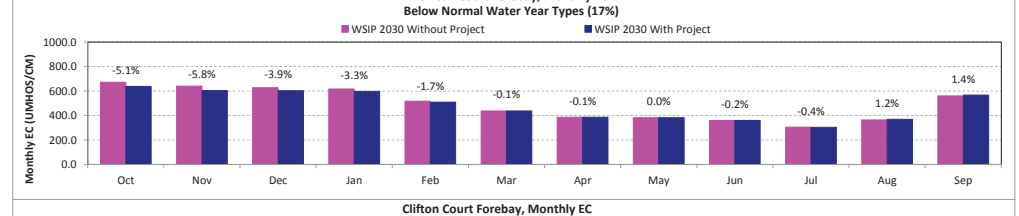
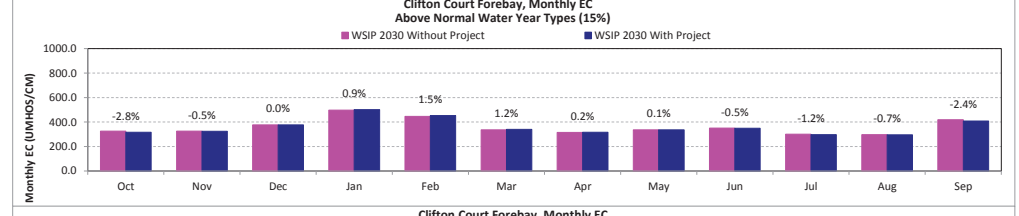
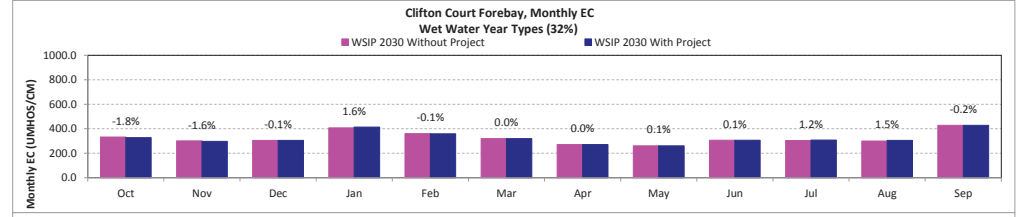
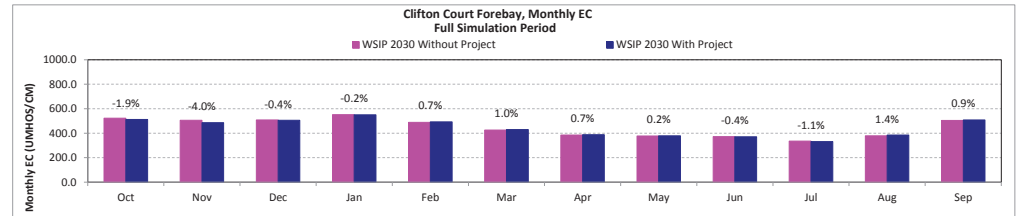


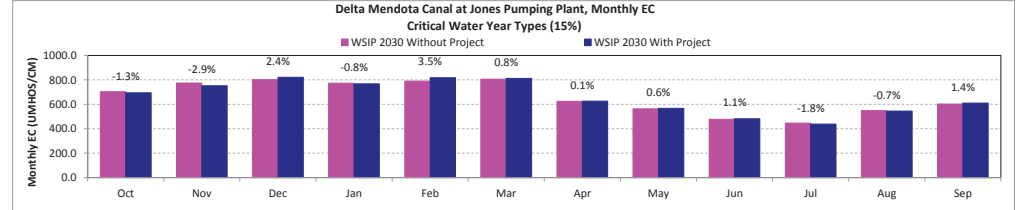
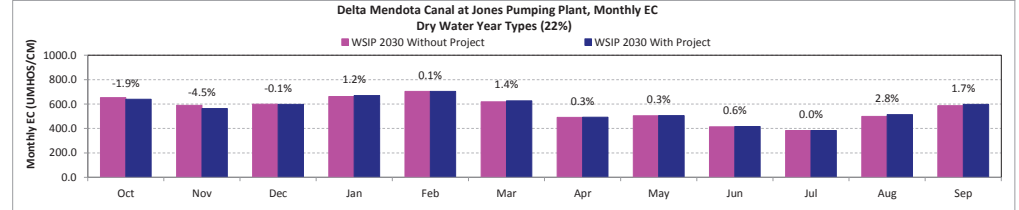
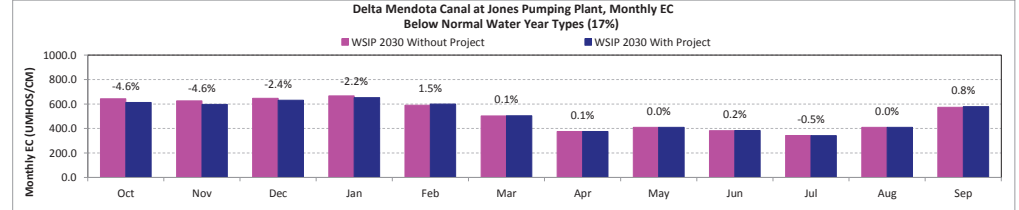
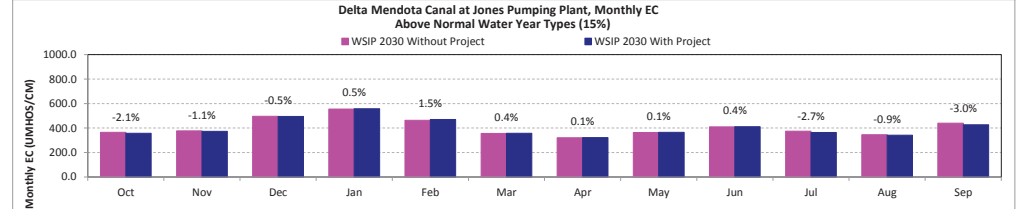
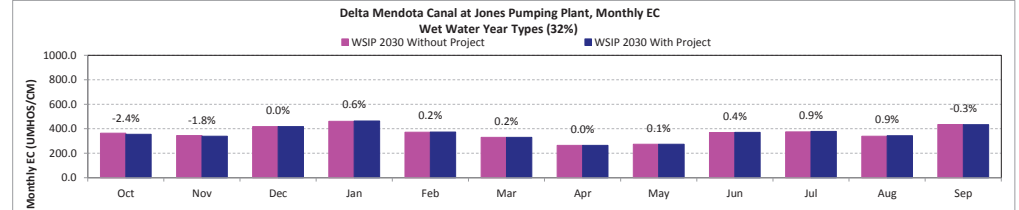
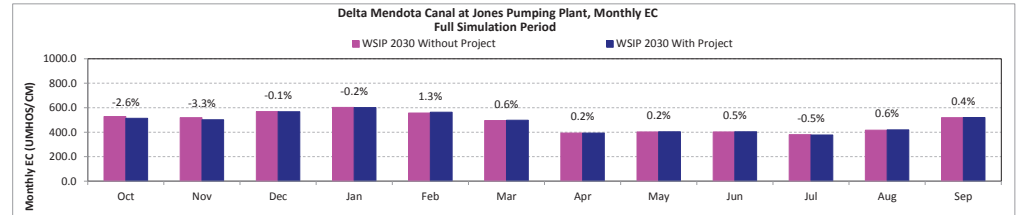
Table SQ-32-a
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²	-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 Types²												
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

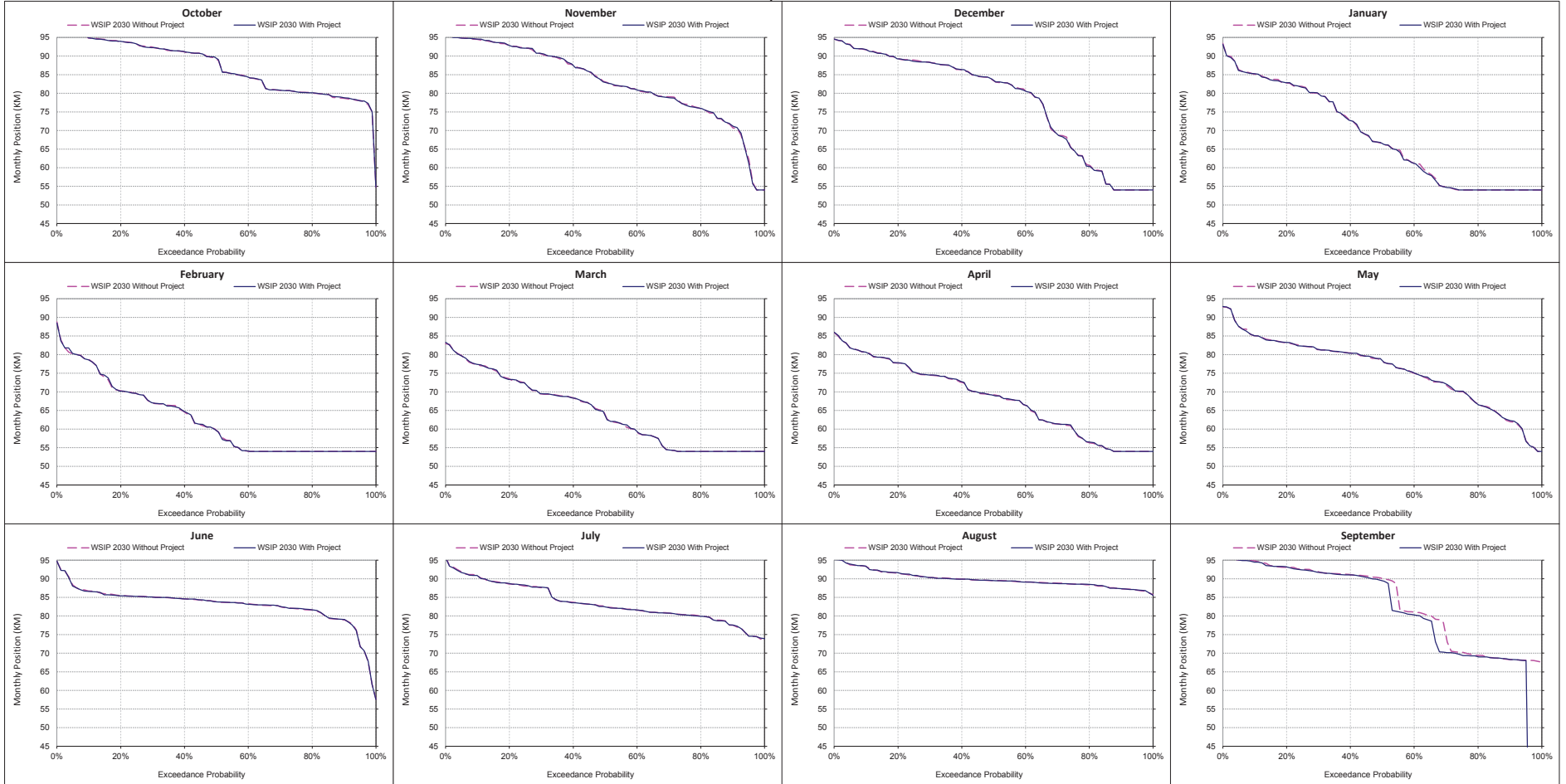


Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	October				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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%	96.9	96.1	0	-0.2%	
8.6%	96.7	96.7	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%	90.9	90.8	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%	

Percent Exceedance Probability (%)	November				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
0.0%	96.2	96.1	0	-0.1%	
1.2%	95.7	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	94.9	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	92.0	0	-0.0%	
27.2%	92.1	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%	70.8	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%	

Percent Exceedance Probability (%)	December				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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	-0.2%	
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	90.6	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	89.2	0	-0.2%	
21.0%	89.1	89.2	0	0.1%	
22.2%	89.0	89.0	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	-0.2%	
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%	85.9	85.8	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	0.0%	
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%	

Percent Exceedance Probability (%)	January				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
0.0%	93.4	93.2	0	-0.2%	
1.2%	93.1	93.1	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%	

Table SQ-01-b

X2. Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	February				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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	0.0%	
6.2%	80.0	80.0	0	0.0%	
7.4%	79.8	79.7	0	-0.1%	
8.6%	79.9	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	64.0	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%	

Percent Exceedance Probability (%)	March				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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%	77.9	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	0.0%	
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%	67.2	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%	

Percent Exceedance Probability (%)	April				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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	79.3	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%	69.2	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	0.4%	
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%	

Percent Exceedance Probability (%)	May				
	WSIP 2030 Without Project	WSIP 2030 With Project		Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Monthly Position (KM)		
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%	

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	June			
	WSIP 2030 Without Project	WSIP 2030 With Project		Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Absolute Difference (KM)	
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	0.0%
37.0%	84.8	84.8	0	0.0%
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	0.0%
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	0.0%
53.1%	83.7	83.7	0	0.0%
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	0.0%
59.3%	83.3	83.2	0	-0.1%
60.5%	83.2	83.2	0	0.0%
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	0.0%
74.1%	82.1	82.0	0	-0.1%
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	0.0%
88.9%	79.0	79.1	0	0.1%
90.1%	79.0	79.0	0	0.0%
91.4%	78.4	78.4	0	0.0%
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	0.0%
98.8%	61.7	61.5	0	-0.3%
100.0%	57.6	57.6	0	0.0%

Percent Exceedance Probability (%)	July			
	WSIP 2030 Without Project	WSIP 2030 With Project		Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Absolute Difference (KM)	
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	88.6	0	0.0%
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%	87.8	87.8	0	0.0%
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	0.0%
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	0.0%
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	0.0%
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	0.0%
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	0.0%
81.5%	79.8	79.9	0	0.1%
82.7%	79.7	79.6	0	-0.1%
84.0%	79.9	79.9	0	0.0%
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	0.0%
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	0.0%
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%

Percent Exceedance Probability (%)	August			
	WSIP 2030 Without Project	WSIP 2030 With Project		Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Absolute Difference (KM)	
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	0.0%
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	92.0	0	-0.4%
13.6%	92.3	92.3	0	0.0%
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	0.0%
29.6%	90.3	90.3	0	0.0%
30.9%	90.3	90.3	0	0.0%
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	-0.2%
37.0%	90.0	90.0	0	0.0%
38.3%	89.9	89.9	0	0.0%
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	0.0%
49.4%	89.5	89.5	0	0.0%
50.6%	89.5	89.5	0	0.0%
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	-0.2%
70.4%	88.8	88.7	0	-0.1%
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	87.2	0	0.0%
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	0.1%
98.8%	86.2	86.2	0	0.0%
100.0%	85.7	85.6	0	-0.2%

Percent Exceedance Probability (%)	September			
	WSIP 2030 Without Project	WSIP 2030 With Project		Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)	Absolute Difference (KM)	
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	0.0%
4.9%	95.1	95.0	0	-0.1%
6.2%	95.0	94.9	0	-0.1%
7.4				

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

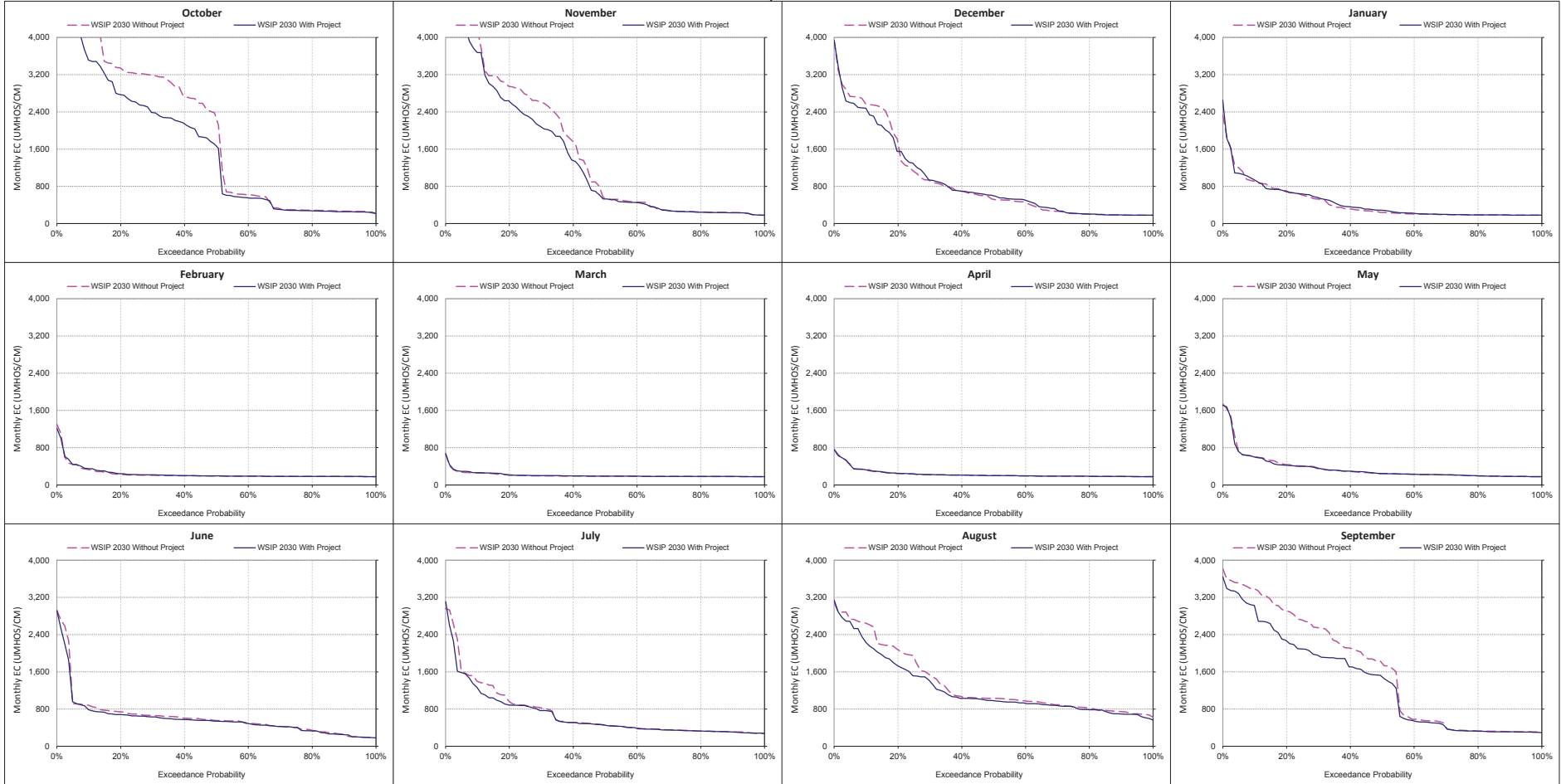


Table SQ-21-b
Sacramento River at Emmaton, Monthly EC
Probability of Exceedance

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	4408.7	-123.9	-2.7%	
3.7%	4294.7	4024.5	-80.2	-1.9%	
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	3494.4	-646.8	-15.9%	
12.3%	4122.2	3423.2	-699.0	-16.5%	
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%	3149.7	2279.6	-869.9	-27.6%	
27.2%	3094.2	2274.2	-820.0	-26.5%	
28.4%	3216.5	2537.2	-679.2	-21.1%	
29.6%	3205.0	2509.6	-695.5	-21.7%	
30.9%	3187.1	2389.8	-797.3	-25.0%	
32.1%	3175.3	2379.3	-796.0	-25.1%	
33.3%	3151.6	2314.7	-836.8	-26.6%	
34.5%	3149.7	2279.6	-869.9	-27.6%	
35.8%	3094.2	2274.2	-820.0	-26.5%	
37.0%	3027.2	2001.1	-1026.1	-34.0%	
38.3%	2944.2	2217.9	-726.3	-24.7%	
39.5%	2942.5	2196.4	-746.1	-25.4%	
40.7%	2754.9	2165.3	-589.6	-21.4%	
42.0%	2715.5	2106.2	-609.2	-22.4%	
43.2%	2693.9	2050.7	-643.2	-23.9%	
44.4%	2686.2	2033.3	-652.9	-24.3%	
45.7%	2590.0	1868.6	-721.4	-27.9%	
46.9%	2580.7	1856.6	-724.1	-28.1%	
48.1%	2455.1	1841.3	-613.8	-25.0%	
49.4%	2409.5	1763.9	-645.6	-26.8%	
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	268.2	-18.0	-6.3%	
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%	268.7	256.1	-12.7	-4.7%	
88.9%	267.9	255.2	-12.7	-4.7%	
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%	258.9	246.8	-12.1	-4.7%	
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%	4578.8	4454.8	-123.9	-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	-99.0	-3.0%	
13.6%	3178.9	3009.7	-169.2	-5.3%	
14.8%	3175.8	2946.9	-228.9	-7.2%	
16.0%	3167.3	2864.8	-302.5	-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%	2501.9	2308.6	-193.2	-7.7%	
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%	
34.5%	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	1352.3	-372.9	-21.9%	
42.0%	2092.1	1228.1	-864.0	-41.3%	
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%	2378.9	526.9	-1852.0	-78.0%	
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	453.3	-28.7	-5.9%	
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%	368.1	358.3	-9.8	-2.7%	
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%	192.8	239.8	47.0	24.4%	
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%	238.7	238.0	-0.7	-0.3%	
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	183.9	-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%	2989.9	2919.7	-74.2	-2.5%	
3.7%	2887.2	2831.6	-55.6	-1.9%	
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%	1734.0	1549.6	-184.4	-10.6%	
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%	1074.2	1267.0	192.8	17.9%	
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	877.7	30.2	3.6%	
34.5%	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	26.6	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	549.8	43.9	8.7%	
54.3%	504.7	532.2	27.5	5.5%	
55.6%	493.8</				

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	699.9	14.6	2.4%	
3.7%	468.0	550.1	81.2	17.4%	
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	211.7	0.4	0.2%	
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%	
34.5%	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	185.4	0.3	0.2%	
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	182.7	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	-0.1	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	180.1	-0.1	0.0%	
96.3%	179.9	179.9	0.0	0.0%	
97.5%	179.0	179.0	0.0	0.0%	
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%	339.9	339.5	-0.4	-0.1%	
3.7%	305.0	305.0	0.0	0.0%	
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	263.6	23.7	10.3%	
17.3%	229.9	244.7	14.8	6.4%	
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	209.2	9.9	5.0%	
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%	
34.5%	192.9	197.9	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%	189.9	193.9	3.9	2.0%	
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	1.0%	
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	0.0	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	180.4	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	179.0	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%	690.5	629.0	-61.5	-8.9%	
2.5%	595.4	590.0	-5.4	-0.9%	
3.7%	528.3	528.3	0.0	0.0%	
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%	329.3	338.4	9.0	2.8%	
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%	218.9	227.9	9.0	4.1%	
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%	
34.5%	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%	
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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%	2539.0	2190.9	-348.1	-13.4%	
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	690.7	-47.3	-6.4%	
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%	646.3	646.3	0.0	0.0%	
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	598.7	-44.5	-6.9%	
34.5%	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%	568.7	568.7	0.0	0.0%	
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	469.4	-11.5	-2.4%	
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	282.6	-8.3	-2.9%	
86.4%	289.2	262.0	-27.2	-9.4%	
87.7%	271.8	261.0	-10.8	-4.0%	
88.9%	264.3	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	195.8	0.0	0.0%	
96.3%	191.5	191.5	0.0	0.0%	
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%	2654.8	2253.2	-398.6	-13.7%	
3.7%	2293.0	1611.9	-681.0	-29.7%	
4.9%	1611.5	1581.8	-29.7	-1.8%	
6.2%	1570.7	1533.2	-37.4	-2.4%	
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	870.0	-39.0	-4.3%	
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%	868.1	865.0	-3.1	-0.4%	
27.2%	859.9	832.3	-27.6	-3.2%	
28.4%	839.5	806.2	-33.4	-4.0%	
29.6%	828.8	788.4	-40.4	-4.9%	
30.9%	810.2	765.9	-44.3	-5.5%	
32.1%	794.1	759.7	-34.4	-4.3%	
33.3%	780.1	743.1	-37.0	-4.8%	
34.5%	596.4	565.9	-30.5	-5.1%	
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	489.0	-18.9	-3.7%	
43.2%	498.9	489.5	-9.4	-1.9%	
44.4%	493.7	489.5	-4.2	-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	455.9	1.7	0.4%	
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%	284.8	284.7	0.0	0.0%	
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%	2882.2	2787.2	-95.0	-3.3%	
3.7%	2883.0	2692.6	-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%	2168.5	1970.7	-197.8	-9.1%	
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%	1968.7	1608.7	-359.9	-18.2%	
24.7%	1953.5	1514.9	-438.5	-22.4%	
25.9%	1868.1	1468.1	-400.0	-21.4%	
27.2%	1820.5	1492.4	-328.1	-18.0%	
28.4%	1808.4	1492.0	-316.4	-17.5%	
29.6%	1549.6	1422.3	-127.3	-8.2%	
30.9%	1538.9	1314.0	-224.9	-14.6%	
32.1%	1442.3	1225.2	-217.1	-15.0%	
33.3%	1328.3	1199.9	-128.4	-9.7%	
34.5%	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%	1049.2	1027.7	-21.5	-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%	1029.5	985.2	-44.3	-4.3%	
50.6%	1028.3	975.0	-53.3	-5.2%	
51.9%	1027.2	964.8	-62.3	-6.1%	
53.1%	1021.6	958.9	-62.7	-6.1%	
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			

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

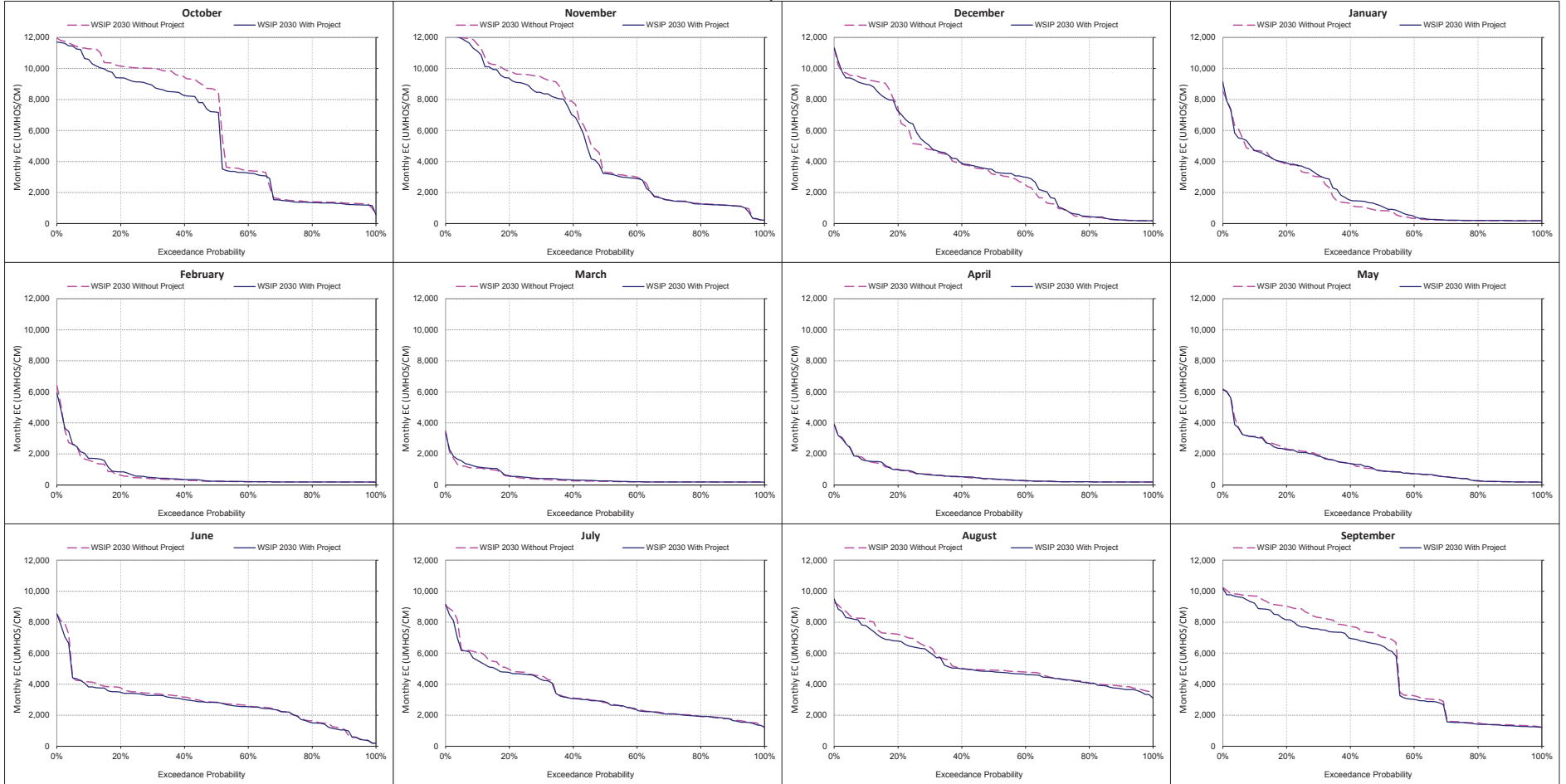


Table SQ-22-b
Sacramento River at Collinsville, Monthly EC
Probability of Exceedance

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	11623.4	-131.3	-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	11063.8	-250.5	-2.2%	
9.9%	11267.3	10956.4	-310.9	-2.8%	
11.1%	11266.8	10296.2	-970.6	-8.6%	
12.3%	11244.1	10244.9	-1000.2	-8.9%	
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	-603.9	-5.8%	
18.5%	10215.9	9406.5	-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%	10038.7	9129.7	-909.0	-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	8524.1	-1330.0	-13.5%	
34.5%	9846.2	8418.1	-1428.1	-14.5%	
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	-1228.0	-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	7824.7	-1335.3	-15.3%	
48.1%	8707.5	7216.8	-1490.7	-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%	1358.2	1300.9	-57.3	-4.2%	
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%	1292.6	1207.7	-84.9	-6.6%	
96.3%	1258.2	1190.5	-67.7	-5.4%	
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	12038.2	-90.1	-0.7%	
4.9%	11984.8	11944.8	-40.0	-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%	10216.8	9936.4	-280.3	-2.8%	
16.0%	10244.4	9929.9	-314.5	-3.1%	
17.3%	10095.3	9571.3	-524.0	-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	-527.0	-5.5%	
23.5%	9629.1	9075.4	-553.7	-5.8%	
24.7%	9624.5	9016.5	-607.9	-6.3%	
25.9%	9138.7	8901.5	-237.2	-2.6%	
27.2%	9553.1	8531.0	-1022.0	-10.7%	
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%	
34.5%	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	-825.5	-10.8%	
42.0%	7620.5	6836.8	-783.7	-10.3%	
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%	4444.3	3233.0	-1211.4	-27.3%	
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	-115.0	-3.8%	
60.5%	2947.2	2887.1	-60.1	-2.0%	
61.7%	2816.3	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%	1659.1	1625.6	-33.4	-2.0%	
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%	1386.0	1356.4	-29.6	-2.1%	
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	1196.6	0.6	0.0%	
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%	826.3	827.6	1.3	0.2%	
97.5%	293.9	315.9	22.1	7.5%	
98.8%	231.0	229.8	-1.2	-0.5%	
100.0%	201.0	213.8	12.8	6.4%	

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	9734.0	-40.6	-0.4%	
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	-236.6	-2.5%	
7.4%	9499.0	9132.3	-366.6	-3.9%	
8.6%	9393.3	9051.3	-342.0	-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%	9049.9	8086.5	-963.3	-10.6%	
17.3%	8650.3	7969.8	-680.5	-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%	5190.7	5849.8	659.1	12.7%	
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	279.0	5.8%	
30.9%	4751.4	4783.8	32.4	0.7%	
32.1%	4576.4	4694.1	117.7	2.6%	
33.3%	4545.9	4610.5	64.5	1.4%	
34.5%	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%	

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	3635.5	94.7	2.7%	
3.7%	2724.6	3456.2	731.6	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	1720.3	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%	896.17	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%	349.1	559.9	210.8	60.4%	
27.2%	438.1	550.0	111.8	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%	
34.5%	349.1	422.0	72.9	20.9%	
35.8%	347.5	382.5	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%	292.7	339.6	56.9	21.3%	
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	188.1	1.0	0.5%	
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%	187.1	184.7	-2.4	-1.3%	
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	1947.3	232.3	13.5%	
3.7%	1327.3	1602.3	275.0	20.7%	
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	1227.7	140.2	12.9%	
11.1%	1085.1	1130.9	45.8	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	31.2	6.1%	
22.2%	490.6	541.1	50.5	10.3%	
23.5%	489.5	531.1	81.6	16.7%	
24.7%	418.2	503.3	85.1	20.4%	
25.9%	381.3	451.9	70.6	18.5%	
27.2%	357.8	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%	
34.5%	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	20.9%	
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%	232.8	259.6	26.8	11.6%	
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%	187.0	187.3	0.3	0.2%	
86.4%	186.1	186.3	0.2	0.1%	
87.7%	186.1	186.1	0.0	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	186.4	1.1	0.6%	
92.6%	184.6	184.6	0.0	0.0%	
93.8%	184.6	184.6	-0.1	-0.1%	
95.1%	183.8	184.4	0.6	0.3%	
96.3%	181.8	181.9	0.1	0.1%	
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%	2676.6	2972.5	295.9	11.0%	
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%	1503.3	1532.3	29.0	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%	761.3	798.9	37.6	4.9%	
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%	
34.5%	596.4	587.0	-9.3	-1.6%	
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%	359.2	402.2	43.0	12.0%	
50.6%	348.7	380.7	32.0	9.2%	
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%	

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	8517.9	-15.1	-0.2%	
1.2%	8098.8	7809.2	-289.6	-3.6%	
2.5%	7940.0	7040.6	-899.4	-11.3%	
3.7%	7235.0	6646.0	-589.0	-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	3516.0	-304.5	-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	3256.5	-231.4	-6.6%	
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%	
34.5%	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	-21.7	-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	-16.0	-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	458.9	8.3	1.8%	
96.3%	429.9	402.9	-27.0	-6.3%	
97.5%	383.6	367.5	-16.1	-4.2%	
98.8%	214.0	202.6	-11.4	-5.3%	
100.0%	189.9	189.9	-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%	8669.1	8477.8	-191.3	-4.4%	
2.5%	7045.6	8100.7	1055.1	14.9%	
3.7%	8149.3	8069.0	-80.3	-1.0%	
4.9%	6216.2	6177.7	-38.5	-0.6%	
6.2%	6188.7	6147.0	-41.7	-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%	4487.4	4649.3	161.9	3.6%	
27.2%	4622.9	4601.1	-21.8	-0.5%	
28.4%	4562.9	4473.4	-89.5	-2.0%	
29.6%	4544.8	4376.7	-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%	
34.5%	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%	2981.9	3040.1	58.1	1.9%	
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%	2841.2	2876.8	35.6	1.2%	
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%	2628.0	2633.4	5.4	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	2245.6	-69.0	-3.0%	
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%	2160.6	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%	2018.5	1961.8	-56.7	-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%	1103.2	1793.2	690.0	6.2%	
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	7.9	0.5%	
96.3%	1478.5	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%	8634.9	8938.8	303.9	3.5%	
3.7%	8697.0	8265.8	-401.2	-4.6%	
4.9%	8417.1	8258.5	-158.5	-1.9%	
6.2%	8271.5	8193.5	-78.0	-1.0%	
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	6458.0	-522.2	-7.5%	
24.7%	6951.5	6404.5	-547.1	-7.9%	
25.9%	6761.5	6352.5	-409.0	-6.0%	
27.2%	6603.6	6306.4	-297.3	-4.5%	
28.4%	6472.4	6296.7	-175.7	-2.7%	
29.6%	6448.6	6082.5	-366.1	-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	-8.9	-0.2%	
34.5%	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%	4959.1	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%	

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

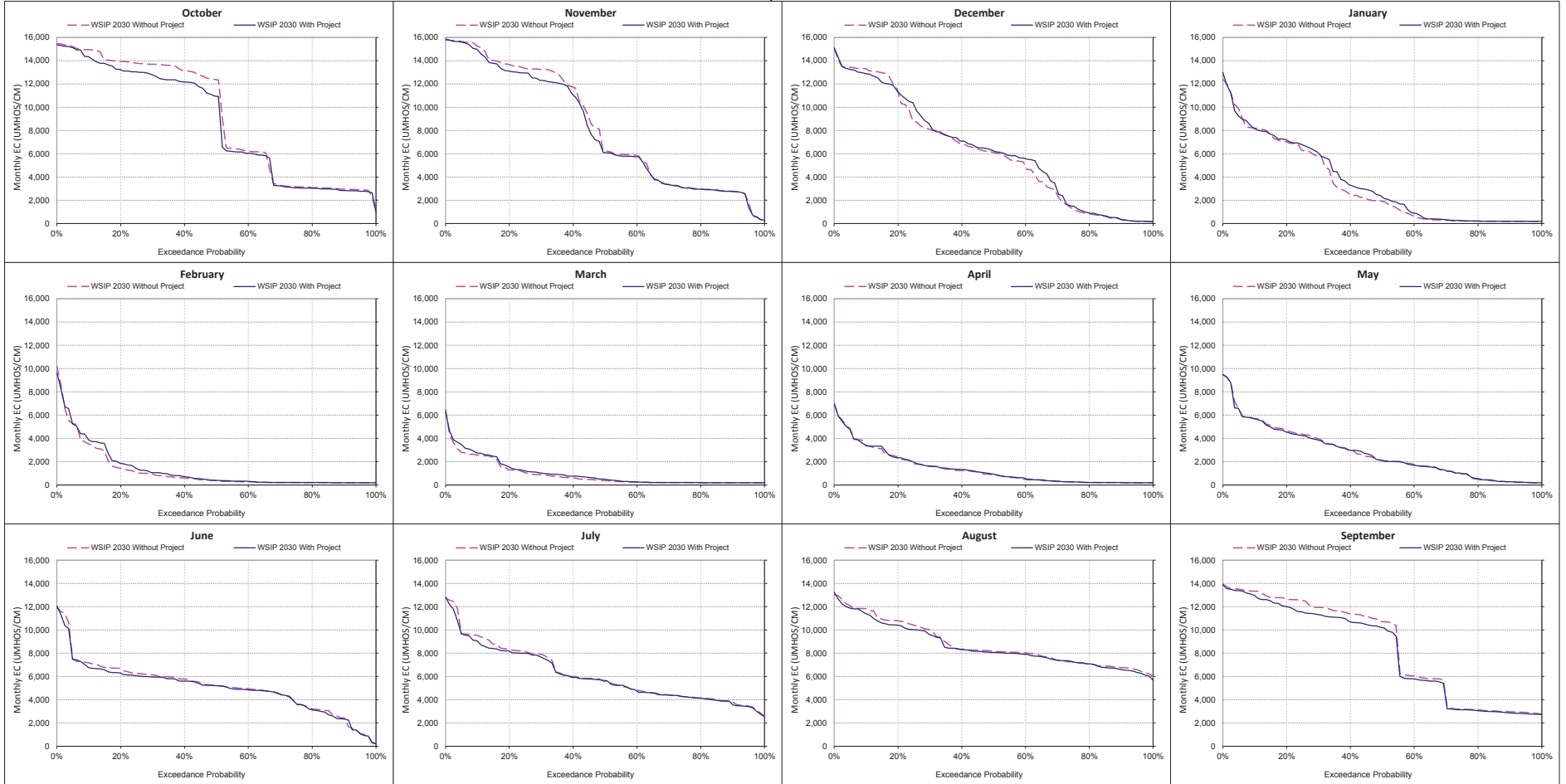


Table SQ-23-b
Sacramento River at Mallard Slough (Chippis Island), Monthly EC
Probability of Exceedance

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	15030.3	-101.7	-0.7%	
1.2%	15433.0	15030.3	-132.8	-0.9%	
2.5%	15367.4	15245.0	-122.3	-0.8%	
3.7%	15302.6	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	14938.0	-57.3	-0.4%	
9.9%	14948.7	14943.2	-60.8	-0.4%	
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%	13759.3	13031.3	-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%	
34.5%	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	11213.9	-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%	3011.2	2936.7	-74.5	-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%	2938.7	2916.9	-21.8	-0.7%	
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%	15047.5	15797.4	-107.1	-0.7%	
1.2%	15744.4	15786.2	41.9	0.3%	
2.5%	15730.7	15692.7	-38.0	-0.2%	
3.7%	15730.7	15677.7	-53.0	-0.3%	
4.9%	15658.2	15612.7	-45.4	-0.3%	
6.2%	15603.3	15606.1	2.7	0.0%	
7.4%	15579.2	15377.1	-202.1	-1.3%	
8.6%	15456.6	15061.2	-485.4	-3.1%	
9.9%	15249.5	14978.8	-270.6	-1.8%	
11.1%	15140.3	14684.8	-555.5	-3.7%	
12.3%	14905.3	14317.3	-588.0	-3.9%	
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%	13947.9	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%	13301.8	12949.3	-352.5	-2.7%	
27.2%	13293.8	12524.9	-768.9	-5.8%	
28.4%	13293.4	12504.7	-788.7	-5.9%	
29.6%	13126.1	12325.5	-800.6	-6.1%	
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%	
34.5%	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	11891.2	0.0	0.0%	
39.5%	11780.2	11819.8	39.6	0.3%	
40.7%	11638.4	10860.9	-777.5	-6.7%	
42.0%	11214.6	10543.8	-670.8	-6.0%	
43.2%	11016.2	9590.4	-1525.8	-13.8%	
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%	8081.3	6111.6	-1969.7	-24.4%	
50.6%	6024.3	6093.2	68.9	1.1%	
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	3792.0	-24.7	-0.6%	
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%	2953.5	2955.9	2.4	0.1%	
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%	2808.7	2781.9	-26.8	-1.0%	
88.9%	2783.7	2770.4	-13.3	-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%	2153.3	1377.5	-775.8	-35.8%	
96.3%	2039.9	703.9	-1336.0	-65.6%	
97.5%	579.5	551.9	-27.6	-4.8%	
98.8%	337.8	341.4	3.6	1.1%	
100.0%	238.6	285.1	46.5	19.5%	

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%	13494.1	13513.6	19.5	0.1%	
3.7%	13482.6	13334.6	-148.0	-1.1%	
4.9%	13430.0	13256.6	-173.4	-1.3%	
6.2%	13400.6	13218.7	-181.9	-1.4%	
7.4%	13333.9	13027.2	-306.8	-2.3%	
8.6%	13326.7	12976.7	-349.9	-2.6%	
9.9%	13324.0	12891.9	-432.0	-3.2%	
11.1%	13123.2	12851.1	-272.0	-2.1%	
12.3%	13112.0	12674.8	-437.2	-3.4%	
13.6%	13054.7	12555.3	-499.4	-3.8%	
14.8%	12971.3	12171.1	-800.4	-6.2%	
16.0%	12915.6	12046.2	-869.4	-6.7%	
17.3%	12614.1	11987.6	-626.4	-5.0%	
18.5%	11957.4	11887.9	-67.5	-0.6%	
19.8%	11569.0	11409.8	-159.2	-1.4%	
21.0%	10326.0	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	9659.6	945.7	10.9%	
27.2%	8373.9	9249.1	875.2	10.5%	
28.4%	8238.6	8853.2	614.6	7.5%	
29.6%	8138.1	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%	
34.5%	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	7188.5	104.0	1.5%	
39.5%	6864.9	7097.0	232.1	3.4%	
40.7%	6621.8	7080.4	458.6	6.9%	
42.0%	6356.2	6952.2	596.0	9.4%	
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%	

Table SQ-23-b
Sacramento River at Mallard Slough (Chippis 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%	6922.4	6726.8	-195.6	-2.8%	
3.7%	5523.9	5372.2	-151.7	-2.7%	
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	3712.3	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	1045.8	213.4	25.6%	
32.1%	793.5	1051.9	258.4	31.8%	
33.3%	778.9	979.9	201.0	25.8%	
34.5%	708.5	953.5	244.9	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%	506.4	647.6	99.9	19.7%	
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	1.0	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%	191.7	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	188.3	-0.4	-0.3%	
96.3%	187.7	189.0	1.3	0.7%	
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	3870.3	243.3	6.7%	
3.7%	3056.1	3677.7	621.6	20.3%	
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%	2359.5	2464.4	104.7	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%	1279.6	1143.8	-135.8	-10.6%	
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%	
34.5%	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%	392.5	493.4	100.9	25.7%	
50.6%	366.1	456.3	90.2	24.6%	
51.9%	334.2	402.0	67.8	20.3%	
53.1%	329.4	383.3	53.9	16.4%	
54.3%	289.3	349.0	59.7	20.7%	
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%	227.7	233.5	5.7	2.5%	
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	192.7	0.0	0.0%	
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%	189.3	190.7	1.4	0.7%	
96.3%	190.1	189.5	-0.6	-0.3%	
97.5%	189.5	189.7	0.2	0.1%	
98.8%	183.8	183.7	-0.1	-0.0%	
100.0%	183.3	183.4	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%	7016.2	6958.5	-57.7	-0.8%	
1.2%	5915.7	5928.9	13.2	0.2%	
2.5%	5003.1	5405.8	-137.3	-2.5%	
3.7%	4388.8	5047.4	-658.6	-15.0%	
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%	3860.7	3600.3	-259.8	-6.7%	
9.9%	3365.1	3409.3	-44.2	-1.3%	
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%	1629.7	1992.6	362.9	22.3%	
25.9%	1631.1	1784.3	153.2	9.4%	
27.2%	1717.4	1762.6	45.2	2.6%	
28.4%	1673.1	1666.1	-7.0	-0.4%	
29.6%	1643.1	1602.9	-40.2	-2.4%	
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%	
34.5%	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%	1248.2	1356.3	108.1	8.7%	
39.5%	1232.6	1327.0	94.3	7.7%	
40.7%	1220.9	1318.0	97.1	8.0%	
42.0%	1219.3	1247.1	27.8	2.3%	
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	1048.3	114.2	12.0%	
48.1%	930.5	1007.5	77.1	8.3%	
49.4%	859.7	980.1	120.4	14.0%	
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	-1.0	-0	

Table SQ-23-b
Sacramento River at Mallard Slough (Chippis 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%	11431.6	10376.5	-1055.4	-9.2%	
3.7%	10893.4	10121.2	-772.2	-7.1%	
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	6693.7	-401.8	-5.7%	
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	6033.1	-213.7	-3.4%	
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%	
34.5%	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%	5917.7	5760.5	-157.2	-2.7%	
39.5%	5786.2	5604.3	-181.9	-3.1%	
40.7%	5764.7	5598.5	-166.2	-2.9%	
42.0%	5699.2	5577.4	-121.8	-2.1%	
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%	2610.9	2380.3	-230.6	-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	569.5	34.0%	
92.6%	1525.1	1410.8	-114.3	-7.5%	
93.8%	1408.8	1403.3	-5.5	-0.4%	
95.1%	108.9	108.0	-0.9	-0.8%	
96.3%	999.3	71.1	-928.2	-92.9%	
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	-1.5%	

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%	12589.4	12203.7	-385.7	-3.1%	
2.5%	12156.9	11797.0	-359.9	-3.0%	
3.7%	11852.0	10800.3	-1051.7	-8.9%	
4.9%	9653.8	9660.3	6.5	0.1%	
6.2%	9454.9	9552.9	98.0	1.0%	
7.4%	9632.3	9478.8	-153.5	-1.6%	
8.6%	9880.8	9115.7	-765.1	-7.7%	
9.9%	9535.9	9076.9	-459.0	-4.8%	
11.1%	9386.6	8697.3	-689.3	-7.4%	
12.3%	9314.5	8579.6	-735.0	-7.9%	
13.6%	9114.2	8435.8	-678.4	-7.4%	
14.8%	8941.8	8409.1	-532.7	-6.0%	
16.0%	8721.0	8362.3	-358.7	-4.1%	
17.3%	8426.5	8217.8	-208.7	-2.5%	
18.5%	8096.3	8195.5	99.2	1.2%	
19.8%	8359.1	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%	8205.6	7954.5	-251.1	-3.1%	
27.2%	7954.9	7843.4	-111.6	-1.4%	
28.4%	7923.0	7828.6	-94.4	-1.2%	
29.6%	7919.6	7893.6	-26.0	-0.3%	
30.9%	7831.2	7740.2	-91.0	-1.2%	
32.1%	7592.0	7570.0	-22.0	-0.3%	
33.3%	7390.2	7156.5	-233.6	-3.2%	
34.5%	6410.9	6385.1	-25.8	-0.4%	
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%	5577.2	5532.3	-44.9	-0.8%	
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%	5221.0	5050.6	-170.4	-3.3%	
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%	4586.9	4566.3	-20.6	-0.5%	
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	4386.0	8.8	0.2%	
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	4150.0	-85.9	-2.0%	
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%	3803.3	3891.1	87.8	2.3%	
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%	2552.0	2536.7	-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	12684.7	-264.5	-2.3%	
2.5%	12624.3	12252.3	-372.0	-3.0%	
3.7%	12267.3	12261.1	-6.2	-0.1%	
4.9%	12089.5	11870.5	-218.9	-1.8%	
6.2%	11864.9	11802.8	-62.1	-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	11435.5	-401.0	-3.4%	
11.1%	11894.4	11276.2	-618.2	-5.2%	
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%	10359.9	9959.7	-400.2	-3.8%	
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%	9981.5	9515.9	-465.6	-4.7%	
32.1%	9424.4	9374.9	-49.5	-0.5%	
33.3%	9376.7	9332.6	-44.0	-0.5%	
34.5%	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%	8184.7	8269.9	85.2	1.0%	
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	-7.5	-0.1%	
50.6%	8069.9	8017.3	-52.6		

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

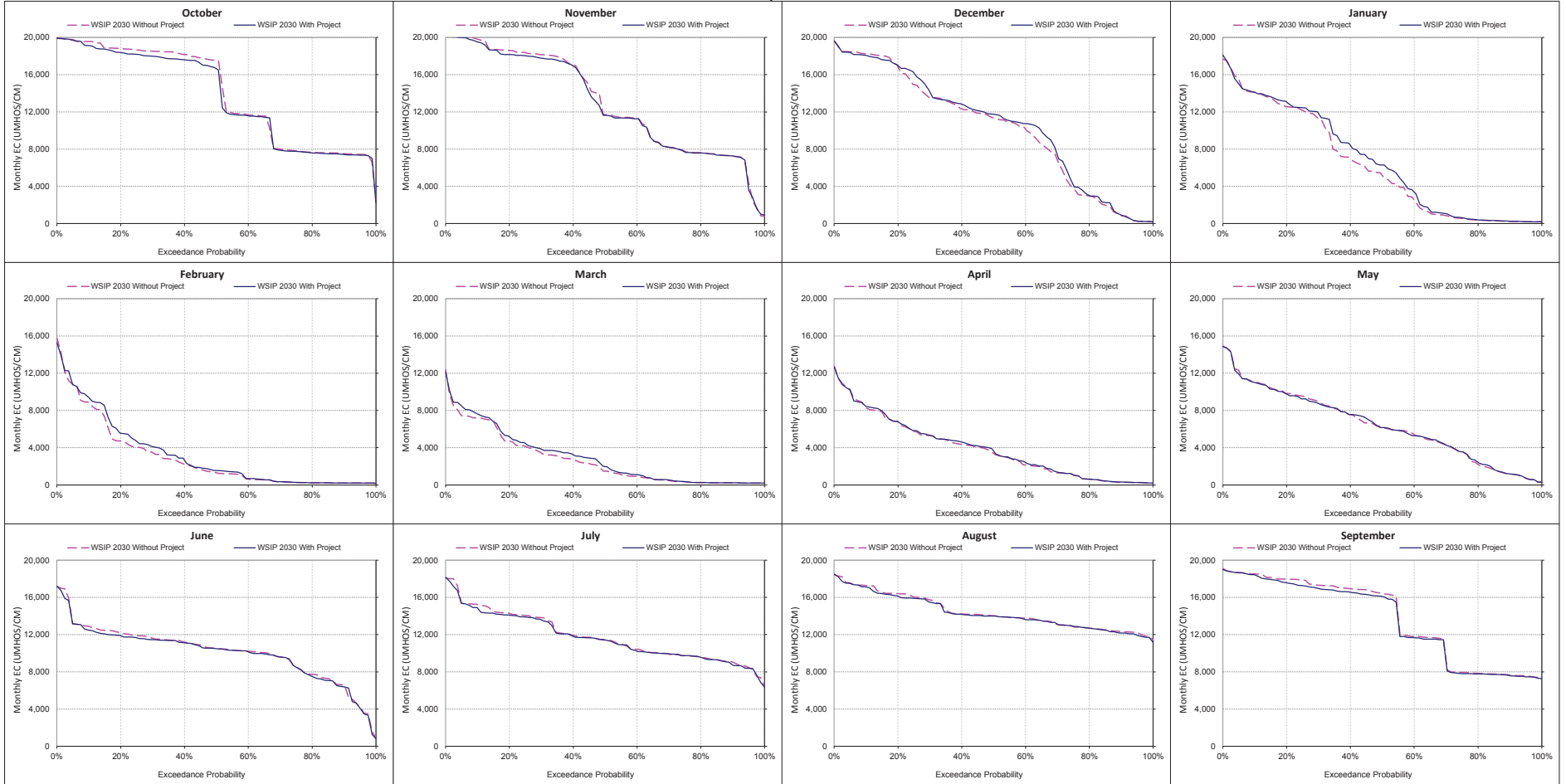


Table SQ-24-b
Sacramento River at Port Chicago (Roe Island), Monthly EC
Probability of Exceedance

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	-128.6	-0.6%	
1.2%	19932.7	19863.8	-68.9	-0.3%	
2.5%	19837.1	186.9	18.6	0.1%	
3.7%	19807.4	13.3	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%	19596.7	19579.2	-17.6	0.1%	
8.6%	19565.3	19161.3	-404.0	-2.1%	
9.9%	19123.7	-440.3	-440.3	-2.3%	
11.1%	18557.8	19079.5	-478.3	-2.6%	
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	18699.5	-242.4	-1.5%	
18.5%	18842.0	18415.7	-426.3	-2.3%	
19.8%	18634.2	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	18190.3	-480.0	-2.6%	
25.9%	18463.6	18063.7	-399.9	-3.5%	
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	17820.0	-643.7	-3.5%	
34.5%	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%	18172.9	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	16487.7	-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	11348.2	-195.6	-1.7%	
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	7598.9	-43.1	-0.6%	
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	7337.6	-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%	19633.0	20243.8	-92.2	-0.5%	
1.2%	20113.6	20122.7	9.1	0.0%	
2.5%	20037.6	20191.6	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%	19331.1	19534.1	-207.1	-1.1%	
11.1%	19705.2	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	18068.6	-345.1	-1.9%	
24.7%	18390.6	18042.2	-348.4	-1.9%	
25.9%	18175.8	18063.1	-112.7	-0.6%	
27.2%	18249.5	18079.5	-270.0	-1.5%	
28.4%	18229.9	18073.6	-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%	
34.5%	17983.0	17595.3	-387.7	-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%	16203.7	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%	13759.8	11736.6	-1993.2	-14.5%	
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%	11426.9	11342.2	-84.6	-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	8618.7	-234.1	-2.6%	
66.7%	8768.3	8731.1	-37.2	-0.4%	
67.9%	8381.0	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%	7295.7	7310.3	14.6	0.2%	
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	3639.6	-707.1	-16.4%	
96.3%	2710.3	2716.6	6.3	0.2%	
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%	18489.5	18435.5	-54.0	-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%	17989.9	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%	16060.6	16504.6	444.0	2.8%	
24.7%	14949.3	16329.2	1379.9	9.2%	
25.9%	13451.4	16348.0	2896.6	21.5%	
27.2%	14307.8	15444.1	1136.3	7.9%	
28.4%	13964.2	14996.0	1031.8	7.4%	
29.6%	13520.7	14362.5	781.8	5.8%	
30.9%	13514.2	13531.8	17.6	0.1%	
32.1%	13526.3	13432.8	-93.5	-0.7%	
33.3%	13451.4	13348.0	-103.3	-0.8%	
34.5%	13115.7	13298.0	182.3	1.4%	
35.8%	13112.7	13231.7	119.0	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%	12233.3	12593.6	270.3	2.2%	
43.2%	12117.2	12300.2	183.0	1.5%	
44.4%	11894.2	12172.8	278.7	2.3%	

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

Percent Exceedance Probability (%)	February			
	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	12595.4	-496.0	-3.1%
1.2%	14283.2	13930.2	-353.0	-2.5%
2.5%	12313.2	12281.7	-31.5	-0.3%
3.7%	11188.2	12270.2	1082.0	9.7%
4.9%	10816.2	10787.9	-28.3	-0.3%
6.2%	10792.3	10753.8	-21.5	-0.2%
7.4%	9096.8	9899.3	802.5	8.8%
8.6%	8926.5	9779.9	855.5	9.6%
9.9%	8839.9	9404.8	564.9	6.4%
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	4788.9	751.1	18.1%
25.9%	2835.0	3762.4	927.4	32.7%
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%
34.5%	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	1307.6	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%	546.8	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%	294.4	302.5	8.1	2.7%
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	221.5	0.0	0.0%
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%	198.0	203.2	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%

Percent Exceedance Probability (%)	March			
	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%	8498.7	8876.0	377.3	4.4%
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%	7119.5	7443.2	323.7	4.6%
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	5399.2	669.4	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%	3983.0	4200.8	217.8	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	3710.0	483.0	15.0%
33.3%	3207.3	3700.5	493.2	15.4%
34.5%	3150.9	3553.9	503.0	16.0%
35.8%	3043.3	3659.5	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%	2766.2	3349.3	583.2	21.1%
40.7%	2634.9	3101.7	466.8	17.7%
42.0%	2445.0	3089.9	644.9	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%	1843.1	1996.6	513.5	27.9%
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%	576.8	583.4	6.6	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%	302.4	387.1	84.7	28.0%
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%	227.6	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%	196.4	199.0	2.6	1.3%
96.3%	198.2	197.2	-1.0	-0.5%
97.5%	194.8	197.1	2.3	1.2%
98.8%	194.4	194.0	-0.4	-0.2%
100.0%	192.3	193.0	0.7	0.3%

Percent Exceedance Probability (%)	April			
	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12763.4	12692.3	-76.4	-0.6%
1.2%	11457.1	11491.6	34.5	0.3%
2.5%	10941.9	10779.9	-162.0	-1.5%
3.7%	10535.2	10477.7	-57.5	-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	8436.0	147.3	1.8%
11.1%	8090.5	8363.4	272.9	3.4%
12.3%	8032.5	8279.8	247.3	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%	6822.0	6577.4	-244.6	-2.4%
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%	5693.0	5811.9	118.9	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%	4987.2	4922.0	-65.2	-1.3%
34.5%	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	4.4%
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	3959.6	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%	2848.7	2902.4	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%

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	16796.1	-219.1	-1.3%	
2.5%	16570.9	15923.9	-1052.4	-6.3%	
3.7%	15909.9	15376.3	-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	12593.6	-362.2	-2.8%	
9.9%	12494.1	12494.1	-0.0	0.0%	
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	12007.7	-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%	11867.4	11574.9	-292.5	-2.5%	
27.2%	11822.2	11555.9	-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%	11525.9	11458.9	-66.3	-0.6%	
32.1%	11499.5	11400.3	-99.2	-0.9%	
33.3%	11445.3	11394.5	-60.8	-0.5%	
34.5%	11436.3	11380.8	-55.5	-0.5%	
35.8%	11397.0	11375.0	-23.5	-0.2%	
37.0%	11385.9	11361.2	-24.8	-0.2%	
38.3%	11373.6	11373.6	-217.7	-1.9%	
39.5%	11216.0	11315.2	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	9950.0	-97.7	-1.0%	
65.4%	10046.0	9811.3	-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	9394.6	94.3	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%	7557.2	7655.6	98.9	1.3%	
80.2%	7728.2	7504.0	-224.2	-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	6511.0	-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	4628.3	6.5	0.1%	
95.1%	4777.2	4062.6	-714.6	-14.8%	
96.3%	3549.7	3451.0	-98.7	-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%	17692.6	17194.4	-813.3	-4.6%	
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%	15246.8	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%	13974.9	13857.9	-117.0	-0.8%	
27.2%	13890.3	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%	13795.6	13579.2	-344.4	-2.5%	
32.1%	13499.1	13357.9	-141.2	-1.0%	
33.3%	13356.2	12958.7	-397.5	-3.0%	
34.5%	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%	12096.3	12080.9	-15.4	-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	11689.6	-48.3	-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%	11457.4	11417.0	-52.4	-0.5%	
50.6%	11385.8	11381.0	-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%	10914.6	10926.1	6.7	0.1%	
55.6%	10910.4	10902.1	-8.3	-0.1%	
56.8%	10759.8	10878.5	118.7	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%	10061.8	10045.7	-16.1	-0.2%	
65.4%	10052.3	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%	9868.4	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%	9692.5	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	9306.5	-83.9	-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	8364.8	-98.0	-1.2%	
96.3%	8272.3	8349.9	84.6	0.9%	
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%	18443.5	18489.5	46.0	0.2%	
1.2%	18292.9	18229.3	-63.6	-0.3%	
2.5%	18216.6	17705.7	-513.9	-2.8%	
3.7%	17568.9	17549.9	-19.0	-0.1%	
4.9%	17575.8	17503.2	-72.6	-0.4%	
6.2%	17331.5	17358.6	27.0	0.2%	
7.4%	17321.1	17323.0	1.9	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%	16247.7	16223.0	-24.7	-0.2%	
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	15894.3	-121.1	-0.8%	
27.2%	15848.7	15858.0	9.3	0.1%	
28.4%	15918.5	15817.8	-100.7	-0.6%	
29.6%	15746.8	15509.1	-237.7	-1.5%	
30.9%	15760.7	15425.2	-344.5	-2.2%	
32.1%	15419.3	15338.5	-80.8	-0.5%	
33.3%	15343.4	15338.1	-5.4	0.0%	
34.5%	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%	14236.3	14198.0	-38.3	-0.3%	
39.5%	14222.5	14198.0	-24.5	-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%	14173.9	14048.3	-125.6	-0.9%	
45.7%	14134.2	14046.3	-87		

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

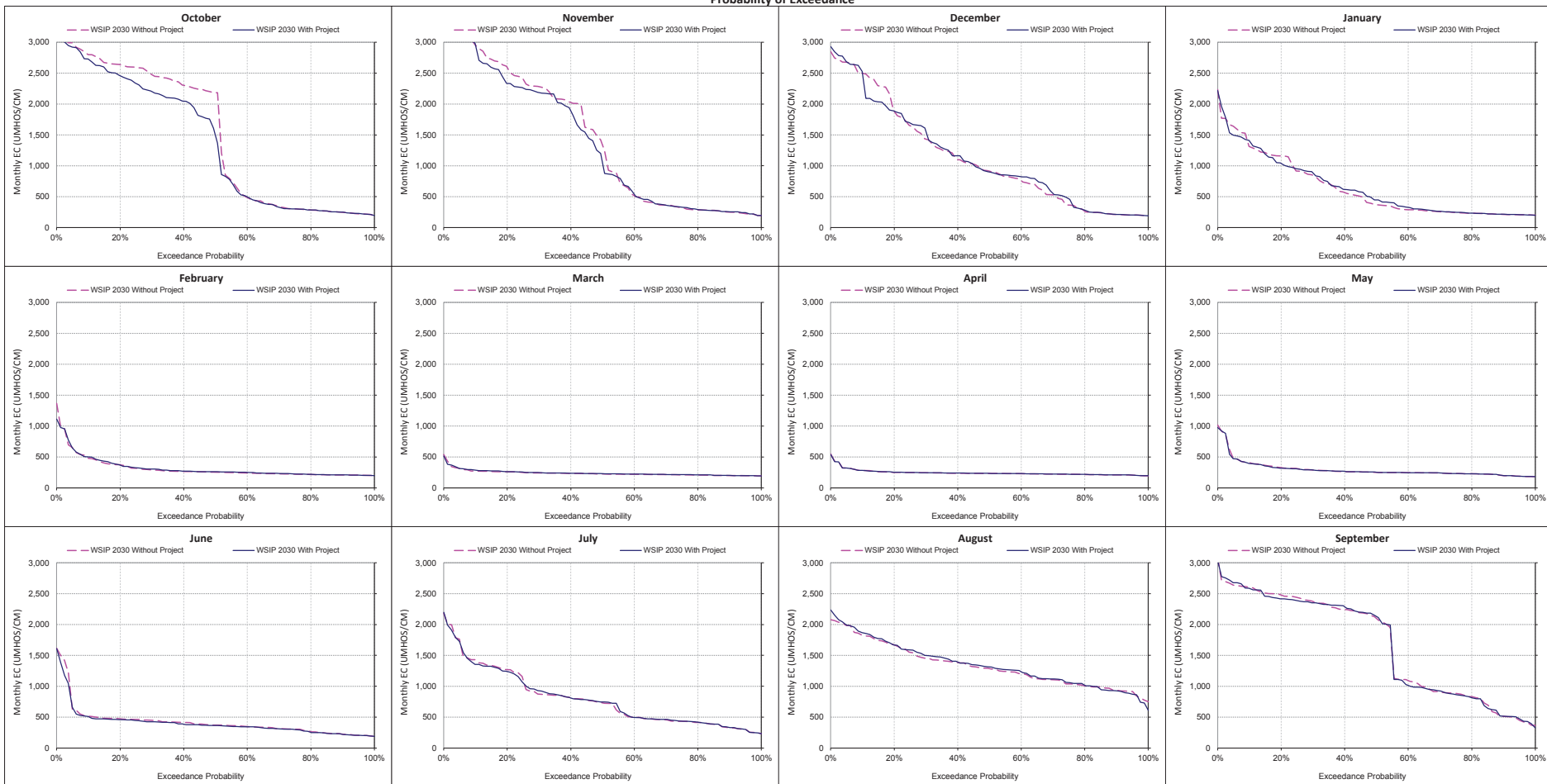


Table SQ-25-b
San Joaquin River at Jersey Point, Monthly EC
Probability of Exceedance

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	-53.0	-1.7%	
3.7%	2992.1	2982.1	-10.0	-0.3%	
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%	2427.4	2139.7	-287.7	-11.9%	
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%	
34.5%	2421.7	2103.9	-317.8	-13.1%	
35.8%	2401.1	2101.1	-300.0	-12.5%	
37.0%	2368.3	2077.2	-271.1	-11.4%	
38.3%	2360.2	2092.0	-268.3	-11.4%	
39.5%	2309.1	2046.9	-262.2	-11.4%	
40.7%	2293.7	2044.4	-249.3	-10.9%	
42.0%	2277.9	2018.6	-259.3	-11.4%	
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%	2123.0	857.0	-1266.0	-59.7%	
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	283.7	2.0	0.7%	
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%	257.7	253.9	-3.8	-1.4%	
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%	228.9	228.4	-0.5	-0.2%	
95.1%	222.4	227.8	5.5	2.3%	
96.3%	217.9	219.7	1.8	0.8%	
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	3250.2	-59.7	-1.8%	
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	2964.5	4.6	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%	2371.6	2235.6	-136.0	-5.7%	
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	-84.2	-3.7%	
33.3%	2198.4	2165.8	-32.5	-1.5%	
34.5%	2089.8	2154.3	74.5	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%	2008.9	1665.1	-344.9	-17.2%	
43.2%	1993.3	1580.7	-412.6	-20.7%	
44.4%	1625.9	1546.1	-79.8	-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	-240.5	-16.1%	
49.4%	1408.5	1421.7	13.3	0.9%	
50.6%	1369.0	875.6	-493.4	-35.9%	
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%	265.9	266.9	1.0	0.4%	
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%	217.2	259.1	41.9	19.3%	
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	2735.4	14.0	0.5%	
3.7%	2673.1	2776.7	103.6	3.8%	
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%	2029.7	2029.7	-0.0	-0.0%	
17.3%	2274.0	1975.5	-298.5	-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%	1738.0	1719.0	-19.0	-1.0%	
24.7%	1656.6	1701.1	44.5	2.7%	
25.9%	1597.8	1657.3	60.4	3.8%	
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%	
34.5%	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%	1207.8	1163.8	-43.9	-3.6%	
39.5%	1102.2	1162.6	60.2	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	960.7	-13.4	-1.4%	
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.			

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	955.1	-1.5	-0.2%	
3.7%	694.5	775.9	117.4	17.1%	
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%	394.6	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	329.5	13.0	4.1%	
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%	
34.5%	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%	263.5	268.5	5.0	1.9%	
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	220.5	2.6	1.2%	
80.2%	215.0	219.0	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%	202.9	210.5	7.0	3.5%	
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%	249.5	249.8	0.3	0.1%	
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%	
34.5%	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	235.9	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	277.9	-0.7	-0.2%	
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	248.4	-1.6	-0.6%	
24.7%	249.4	248.5	-0.9	-0.4%	
25.9%	248.6	248.6	0.0	0.0%	
27.2%	246.8	246.8	0.0	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%	
34.5%	240.4	242.4	2.0	0.8%	
35.8%	238.6	240.0	3.4	1.4%	
37.0%	237.0	242.0	5.0	2.1%	
38.3%	236.0	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	0.9	0.4%	
65.4%	225.2	226.6	1.4	0.6%	
66.7%	224.9	226.2	1.3	0.6%	

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	1394.6	-117.2	-7.8%	
2.5%	1421.1	1173.4	-247.7	-17.4%	
3.7%	1216.0	1168.3	-47.7	-3.9%	
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%	510.9	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%	476.5	462.7	-15.8	-3.3%	
19.8%	474.0	461.1	-12.9	-2.7%	
21.0%	467.9	458.5	-9.4	-3.0%	
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%	424.2	418.1	-6.1	-1.4%	
27.2%	453.5	415.4	-38.1	-8.4%	
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%	
34.5%	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	390.3	28.3	7.8%	
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	-2.5	-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%	204.7	204.2	-0.5	-0.2%	
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%	1907.1	1913.3	6.2	0.3%	
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%	1092.4	1004.4	-88.0	-8.0%	
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%	
34.5%	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%	788.7	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%	384.6	384.2	-0.4	-0.1%	
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%	296.7	296.7	0.0	0.0%	
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%	2073.3	2079.4	6.2	0.3%	
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	1858.3	30.4	1.7%	
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	1775.2	31.7	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%	1648.7	1660.9	12.1	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%	1493.2	1543.2	50.0	3.4%	
27.2%	1486.6	1550.1	63.5	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%	1426.0	1479.6	53.6	3.8%	
34.5%	1419.4	1472.2	52.8	3.7%	
35.8%	1411.6	1465.6	54.0	3.8%	
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%	1373.1	1374.9	1.8	0.1%	
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	1255.4	23.3	1.9%	
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</			

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

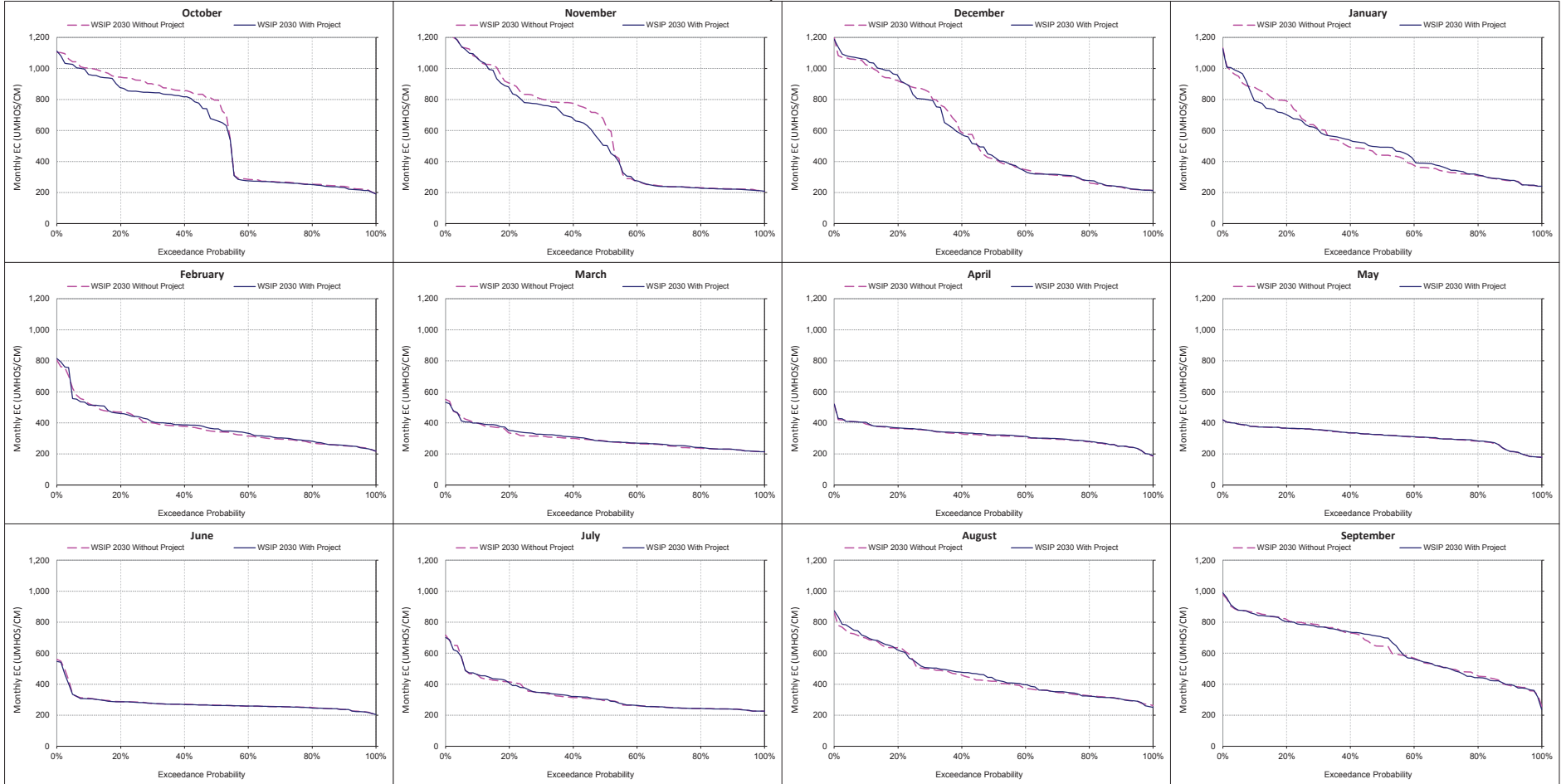


Table SQ-27-b
Old River at Rock Slough, Monthly EC
Probability of Exceedance

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	1061.4	-34.5	-3.1%	
3.7%	1081.5	1029.8	-51.7	-4.8%	
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	951.0	-48.2	-4.8%	
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%	915.1	849.6	-65.5	-7.2%	
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%	
34.5%	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	808.9	-38.9	-4.6%	
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	608.6	-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%	243.5	213.9	-129.6	-53.3%	
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%	1193.3	1211.7	18.4	1.6%	
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	869.1	-50.1	-5.4%	
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%	849.8	793.0	-56.8	-6.7%	
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%	
34.5%	750.7	750.4	-0.3	-0.2%	
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	655.9	-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%	697.2	503.5	-193.7	-27.8%	
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	235.5	-0.1	0.0%	
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%	229.9	226.8	-3.3	-1.4%	
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%	223.7	222.8	-0.9	-0.4%	
88.9%	223.8	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%	219.9	215.9	-4.0	-1.8%	
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%	1058.0	1068.3	10.3	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	5.6	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	802.9	-69.6	-8.0%	
27.2%	871.8	803.9	-67.9	-7.8%	
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%	
34.5%	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			

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%	757.6	759.4	1.6	0.2%	
3.7%	757.4	755.3	-2.3	-0.3%	
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	513.9	-10.2	-1.9%	
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	468.8	1.2	0.3%	
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%	400.9	438.6	37.7	9.4%	
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%	
34.5%	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	280.2	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	256.0	0.0	0.0%	
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%	236.7	238.6	1.9	0.8%	
97.5%	235.6	232.7	-2.9	-1.2%	
98.8%	226.2	226.0	-0.2	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%	308.3	322.8	14.9	4.8%	
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%	
34.5%	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	217.2	0.1	0.0%	
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	426.9	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	373.5	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	367.0	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	348.6	0.0	-0.1%	
32.1%	341.4	344.1	3.2	0.9%	
33.3%	341.2	342.1	1.0	0.3%	
34.5%	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%	298.2	300.9	1.7	0.6%	
66.7%	298.2	300.			

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	493.0	-3.1	-0.7%	
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	306.3	-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	288.8	-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	-0.1%	
24.7%	285.1	283.3	-1.8	-0.6%	
25.9%	283.3	273.0	-10.3	-3.6%	
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%	
34.5%	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	248.0	-1.1	-0.4%	
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	0.1	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%	221.3	221.0	-0.3	-0.1%	
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%	463.0	462.3	-0.7	-0.1%	
3.7%	694.8	611.2	-83.7	-12.0%	
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	-5.6%	
24.7%	372.6	376.7	4.1	1.1%	
25.9%	281.3	365.0	83.7	29.8%	
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%	
34.5%	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	241.9	0.7	0.3%	
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%	769.1	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%	536.3	536.9	0.6	0.1%	
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%	
34.5%	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</		

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

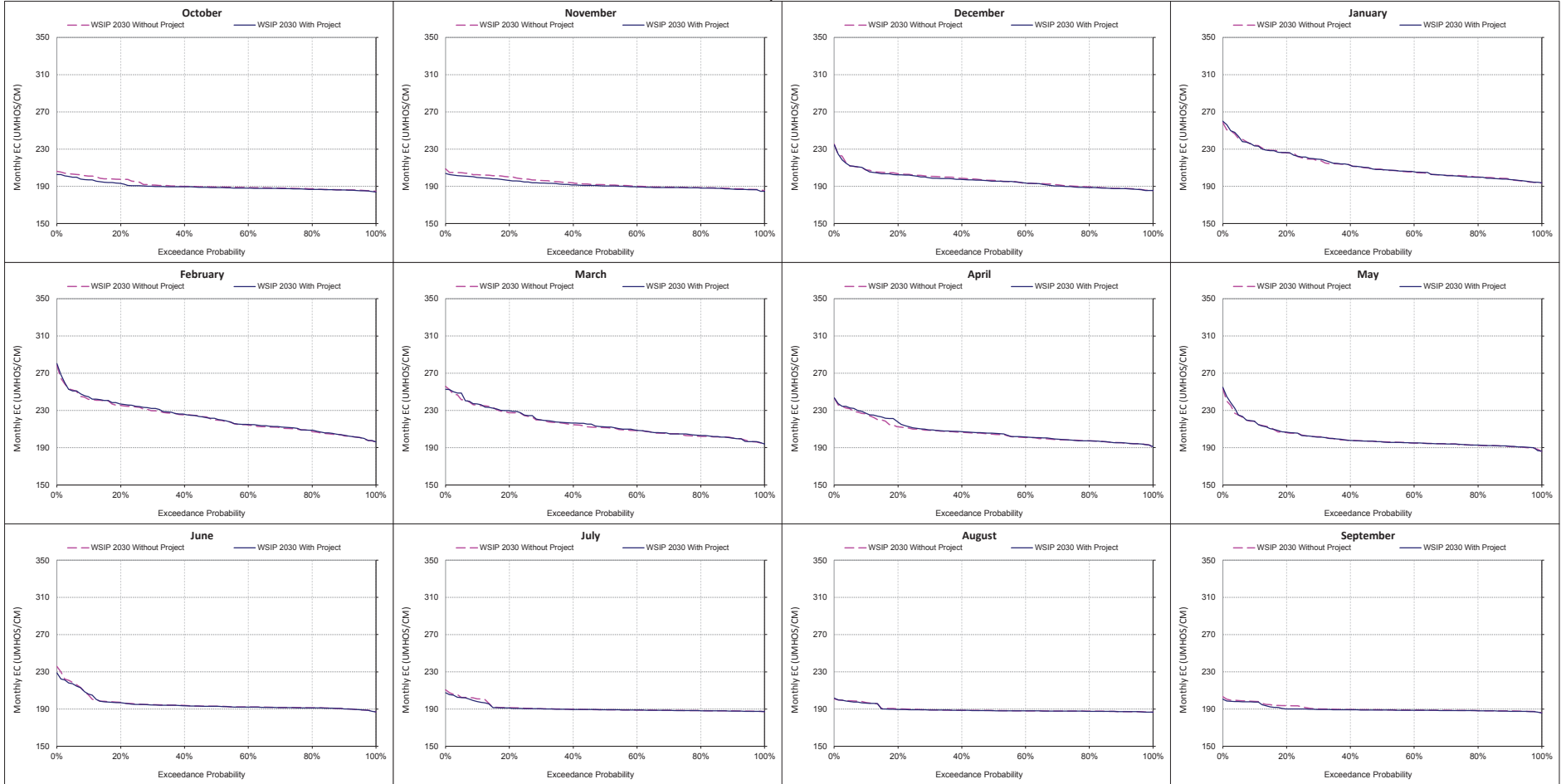


Table SQ-28-b
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Probability of Exceedance

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	193.8	-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%	190.9	189.7	-1.2	-0.6%	
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%	
34.5%	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	-1.4%	
39.5%	190.0	189.4	-0.5	-0.3%	
40.7%	190.0	189.4	-0.5	-0.3%	
42.0%	190.0	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	188.7	-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%	189.0	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	186.8	-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%	186.5	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%	185.7	185.2	-0.5	-0.3%	
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	201.1	-3.8	-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	-1.7%	
8.6%	202.5	200.5	-2.0	-1.0%	
9.9%	202.9	199.4	-3.5	-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	196.3	-4.2	-2.1%	
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%	197.9	193.7	-4.2	-2.1%	
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%	
34.5%	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	186.3	-0.4	-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	219.2	-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	-0.1%	
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	201.8	0.0	0.0%	
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%	
34.5%	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		

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

Percent Exceedance Probability (%)	February			
	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	262.5	4.0	0.4%
3.7%	252.8	256.8	4.0	-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	233.6	0.2	0.1%
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%
34.5%	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	224.9	-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	217.8	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	207.8	2.0	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%	204.5	205.5	0.9	0.4%
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%	200.8	200.8	-0.1	-0.1%
96.3%	199.9	199.3	-0.6	-0.4%
97.5%	197.9	197.9	-0.3	-0.1%
98.8%	197.3	197.6	0.3	0.2%
100.0%	196.3	196.2	-0.1	-0.1%

Percent Exceedance Probability (%)	March			
	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	247.9	1.1	0.5%
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	223.5	-0.1	-0.1%
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%
34.5%	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	210.7	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%	205.2	206.0	0.8	0.4%
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	-0.1	-0.1%
88.9%	201.3	201.8	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	-0.1%
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%

Percent Exceedance Probability (%)	April			
	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%	233.6	234.7	1.1	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	209.9	0.0	0.0%
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%
34.5%	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%	198.8	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%	195.3	195.3	-0.1	-0.1%
90.1%	195.3			

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	-0.4%	
3.7%	220.2	205.1	-15.1	-6.8%	
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	205.1	0.9	0.4%	
11.1%	200.2	204.8	4.5	2.3%	
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%	194.4	194.1	-0.3	-0.2%	
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%	
34.5%	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	0.0	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	-0.2%	
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	190.6	-0.1	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%	188.1	188.0	-0.1	0.0%	
96.3%	190.7	188.9	-17.8	-8.8%	
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	-1.5%	
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%	
34.5%	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	-0.2	-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	-0.1%	
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%	187.9	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	199.0	-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	-0.6	-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%	
34.5%	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		

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

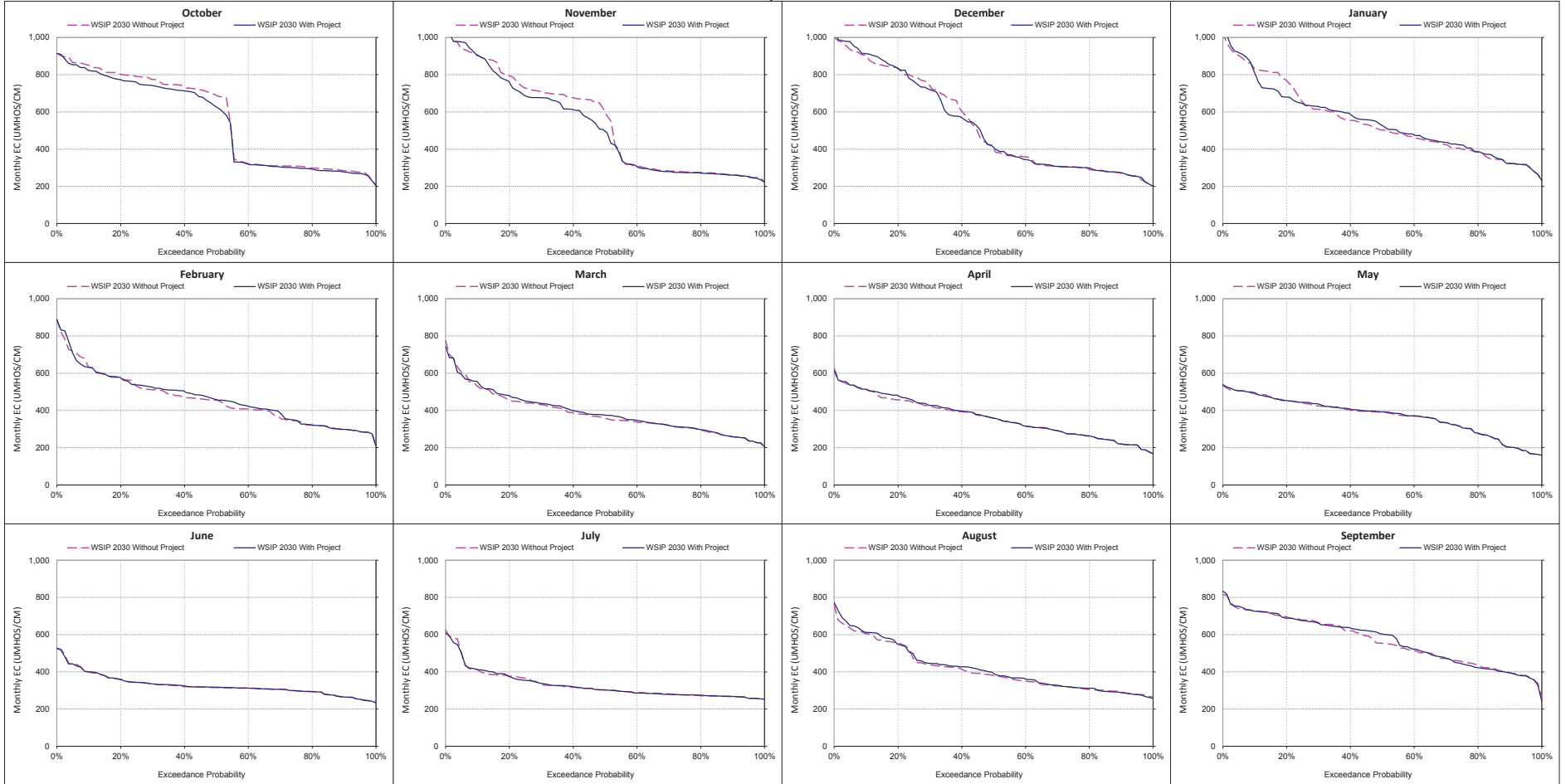


Table SQ-29-b
Old River at Los Vaqueros Intake, Monthly EC
Probability of Exceedance

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%	883.8	893.8	10.0	1.3%	
3.7%	895.2	881.2	-14.0	-1.6%	
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%	838.4	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%	789.3	749.4	-39.9	-5.1%	
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%	
34.5%	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	291.1	-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%	270.7	261.4	-9.3	-3.4%	
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%	890.4	979.2	88.8	10.0%	
3.7%	874.1	978.3	104.2	12.0%	
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	889.9	-4.6	-0.5%	
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%	749.0	722.9	-26.1	-3.5%	
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%	
34.5%	699.5	668.7	-30.7	-4.4%	
35.8%	694.4	648.6	-45.8	-6.6%	
37.0%	692.9	616.2	-76.6	-11.1%	
38.3%	678.8	617.0	-61.7	-9.1%	
39.5%	678.1	613.8	-64.3	-9.5%	
40.7%	672.2	608.6	-63.6	-9.5%	
42.0%	670.9	607.5	-63.4	-9.5%	
43.2%	667.5	580.0	-87.5	-13.1%	
44.4%	666.5	570.5	-96.1	-14.4%	
45.7%	663.6	566.7	-96.8	-14.6%	
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	322.4	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	274.8	-6.7	-2.4%	
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%	261.4	265.8	4.4	1.7%	
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	248.1	0.0	0.0%	
96.3%	247.3	245.8	-1.5	-0.6%	
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%	992.0	988.6	-3.4	-0.3%	
2.5%	974.9	983.1	8.2	0.8%	
3.7%	966.1	980.2	14.1	1.5%	
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%	797.9	779.2	-18.7	-2.3%	
24.7%	788.9	768.5	-20.4	-2.6%	
25.9%	789.9	751.1	-38.8	-4.9%	
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	666.6	-33.2	-4.7%	
34.5%	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%	557.1	548.3	-8.8	-1.6%	
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%	385.4	399.3	13.9	3.6%	
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%	353.7	359.1	5.4	1.5%	
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%	349.3	337.6	-11.7	-3.5%	
63.0%	323.1	320.4	-2.7	-0.8%	
64.2%	317.1	319.2	2.0	0.6%	</

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

Percent Exceedance Probability (%)	February			
	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%	784.6	827.8	42.8	5.4%
3.7%	771.8	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%	632.2	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	4.0	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%	505.4	513.4	8.0	1.6%
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%
34.5%	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	485.5	17.3	3.7%
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%	399.8	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	320.9	-0.2	-0.1%
81.5%	318.7	319.4	0.7	0.2%
82.7%	318.7	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%	288.8	288.0	-0.8	-0.3%
96.3%	282.7	283.9	1.1	0.4%
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%

Percent Exceedance Probability (%)	March			
	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	669.9	-9.5	-1.4%
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	568.2	14.7	2.8%
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%	439.0	448.6	9.6	2.2%
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	426.0	7.5	1.8%
34.5%	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	288.2	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%	262.1	265.9	3.8	1.4%
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%	224.7	226.2	1.5	0.6%
96.3%	223.7	223.7	0.0	0.0%
97.5%	223.3	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%

Percent Exceedance Probability (%)	April			
	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	554.4	0.8	0.1%
3.7%	544.8	544.8	0.8	0.1%
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%	439.0	441.8	2.5	0.6%
27.2%	439.7	439.7	4.3	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%
34.5%	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%	378.8	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%	356.3	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	274.0	-0.1	0.0%
76.5%	269.4	270.9	1.7	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%

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		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%	443.5	443.5	0.0	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	-2.6%	
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%	329.7	331.4	1.6	0.5%	
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%	
34.5%	323.7	331.3	7.6	2.3%	
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	322.7	2.8	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%	317.5	317.3	-0.2	-0.1%	
50.6%	314.9	319.7	4.8	1.6%	
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	-0.5	-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%	300.6	300.6	0.0	0.0%	
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%	272.7	268.7	-3.9	-1.2%	
88.9%	266.0	264.4	-1.6	-0.5%	
90.1%	265.8	264.7	-1.2	-0.4%	
91.4%	263.7	263.4	-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%	272.7	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	242.9	-0.7	-0.4%	

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%	599.5	593.2	-6.3	-1.1%	
2.5%	591.4	557.6	-33.8	-5.7%	
3.7%	547.5	547.5	0.0	0.0%	
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%	362.7	390.0	27.3	7.5%	
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%	342.5	366.5	24.0	7.0%	
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%	
34.5%	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%	268.7	268.2	-0.5	-0.2%	
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	-0.9	-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%	681.8	691.8	10.0	1.5%	
3.7%	649.4	672.7	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	488.0	13.2	2.8%	
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	436.5	5.8	1.3%	
34.5%	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	384.6	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%	

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

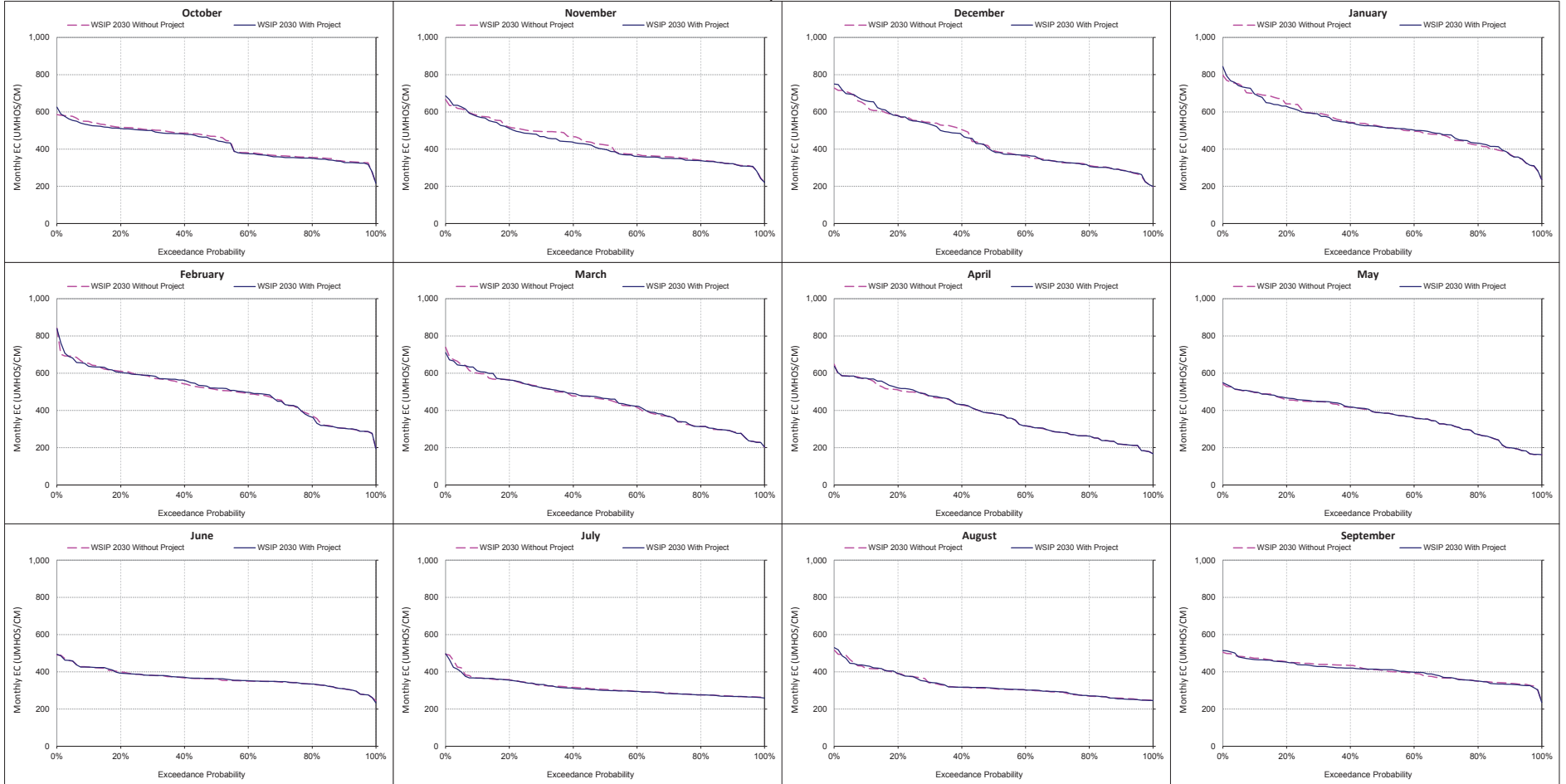


Table SQ-30-b
Victoria Canal at Alternative Intake, Monthly EC
Probability of Exceedance

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	573.0	-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%	499.7	496.4	-3.3	-0.7%	
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%	
34.5%	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	-6.8	-1.4%	
42.0%	483.6	473.2	-10.4	-2.1%	
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%	469.0	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	363.1	-10.2	-2.7%	
65.4%	372.4	367.0	-5.4	-1.4%	
66.7%	368.6	363.3	-5.3	-1.4%	
67.9%	366.5	360.4	-6.1	-1.7%	
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%	354.4	354.4	-0.0	0.0%	
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	349.9	-4.9	-1.4%	
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%	338.6	324.5	-14.1	-4.2%	
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	666.2	20.0	3.0%	
1.2%	634.6	665.0	30.4	4.8%	
2.5%	616.0	635.4	19.9	3.2%	
3.7%	619.1	632.2	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%	568.4	547.9	-20.5	-3.6%	
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%	498.7	484.3	-14.3	-2.9%	
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%	
34.5%	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%	486.4	440.3	-46.1	-9.5%	
39.5%	466.8	438.8	-28.0	-6.0%	
40.7%	465.8	433.5	-32.3	-6.9%	
42.0%	457.6	429.8	-27.8	-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	307.3	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%	712.3	713.5	1.2	0.2%	
3.7%	710.1	699.1	-11.0	-1.6%	
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	566.6	-0.6	-0.1%	
24.7%	554.9	551.0	-3.9	-0.7%	
25.9%	550.0	549.0	-0.9	-0.2%	
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%	
34.5%	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%	417.6	391.6	-26.0	-6.2%	
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%	362.0	368.2	6.2	1.7%	
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					

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	781.9	60.0	8.5%	
2.5%	603.0	707.7	104.7	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	10.0	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	591.8	-1.1	-0.2%	
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%	
34.5%	568.5	569.4	0.9	0.2%	
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	548.9	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	483.8	1.1	0.3%	
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	0.0	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	287.0	-0.4	-0.1%	
97.5%	285.8	282.8	-3.0	-1.1%	
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	664.3	0.1	0.0%	
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%	532.8	533.3	0.5	0.1%	
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%	
34.5%	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%	459.9	465.0	5.1	1.1%	
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	380.4	-6.8	-1.8%	
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%	294.3	294.7	0.4	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%	234.0	234.0	0.0	0.0%	
97.5%	230.2	228.9	-1.3	-0.6%	
98.8%	228.5	228.5	0.0	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%	596.7	586.5	-10.2	-1.7%	
3.7%	585.8	585.3	-0.5	-0.1%	
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	567.0	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	506.1	10.3	2.1%	
27.2%	496.2	491.2	-5.0	-1.0%	
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%	
34.5%	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%	386.6	388.8	2.2	0.6%	
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%	381.1	373.8	-7.3	-1.9%	
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	-0.1	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%	

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%	471.1	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%	423.0	425.0	2.0	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%	379.0	379.4	0.4	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	379.0	0.0	0.0%	
34.5%	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	365.5	-0.3	0.1%	
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	363.1	1.5	0.4%	
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%	348.8	348.8	0.0	0.0%	
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	333.1	-1.7	-0.5%	
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%	272.4	272.6	0.3	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%	463.2	454.2	-9.0	-2.0%	
3.7%	425.3	414.6	-10.8	-2.5%	
4.9%	421.5	399.1	-22.4	-5.3%	
6.2%	438.2	375.8	-62.4	-14.2%	
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%	337.2	336.0	-1.2	-0.4%	
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%	
34.5%	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%	314.7	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%	303.2	298.5	-4.7	-1.5%	
54.3%	299.0	297.5	-1.4	-0.5%	
55.6%	298.9	297.1	-1.8	-0.6%	
56.8%	296.9	296.9	0.0	0.0%	
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	-2.0	-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	-2.3	-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%	277.6	269.3	-8.3	-3.0%	
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%	367.8	364.6	-3.2	-0.9%	
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%	
34.5%	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%	288.8	295			

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

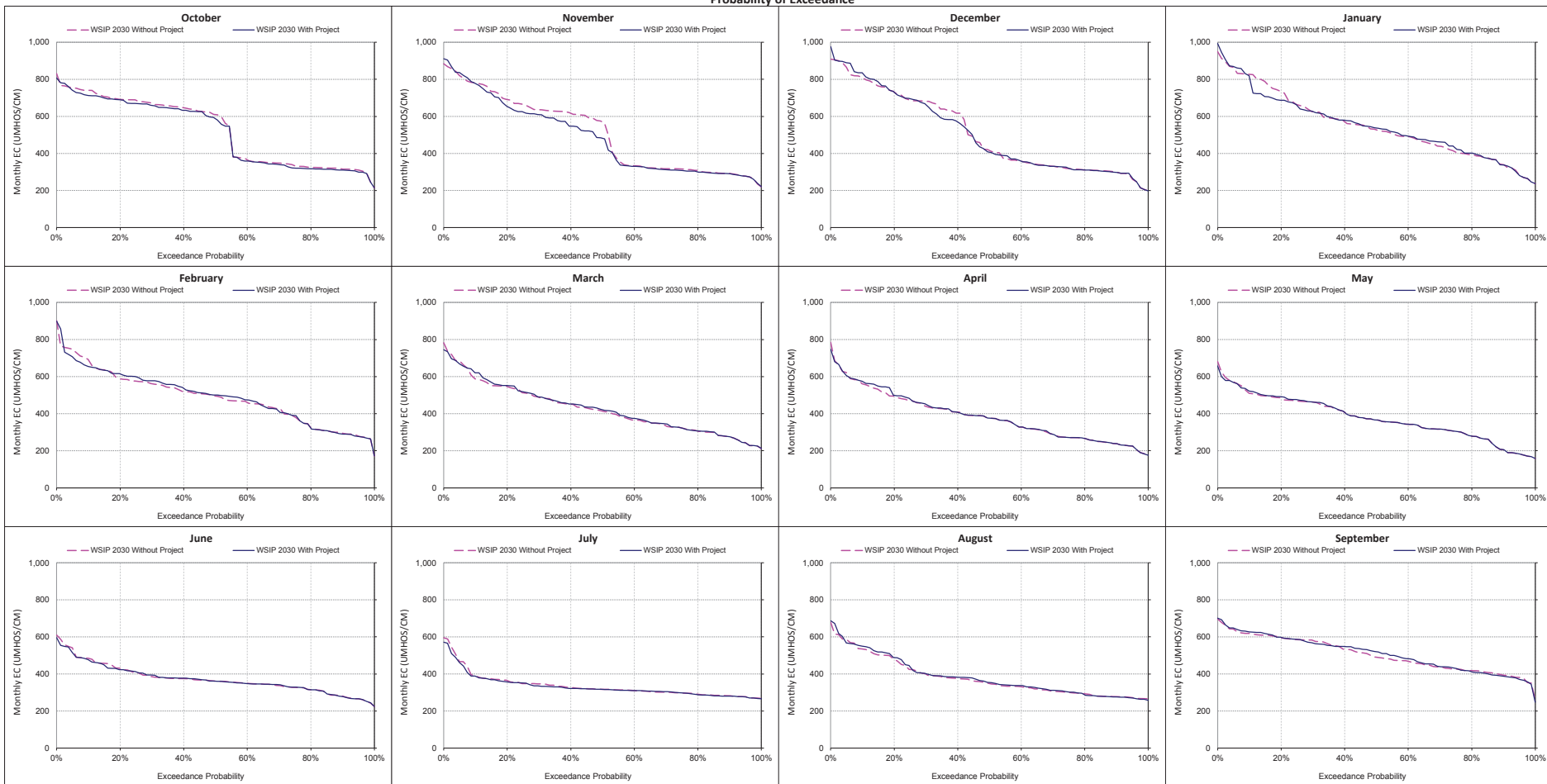


Table SQ-31-b
Clifton Court Forebay, Monthly EC
Probability of Exceedance

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%	764.6	773.9	9.3	1.2%	
3.7%	760.0	761.0	1.0	0.2%	
4.9%	753.1	741.4	-11.7	-1.6%	
6.2%	728.3	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%	689.0	669.2	-19.8	-2.9%	
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%	648.7	648.7	-12.3	-1.9%	
34.5%	657.0	646.7	-10.3	-1.6%	
35.8%	656.1	642.4	-13.7	-2.1%	
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	590.0	-18.6	-3.1%	
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%	352.6	352.0	-0.6	-0.2%	
65.4%	349.1	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	316.3	-8.2	-2.5%	
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%	320.1	311.6	-8.5	-2.7%	
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	298.3	-11.1	-3.6%	
96.3%	308.6	294.7	-13.9	-4.5%	
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	893.0	35.3	4.1%	
3.7%	856.0	836.6	-19.4	-2.3%	
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	765.0	-7.2	-0.9%	
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%	665.7	619.8	-45.9	-6.9%	
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	562.1	-68.2	-10.8%	
34.5%	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	513.9	-96.6	-15.8%	
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	325.9	-6.2	-1.9%	
63.0%	325.9	327.5	1.7	0.5%	
64.2%	322.3	320.4	-1.9	-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%	292.1	292.2	0.1	0.0%	
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	273.2	0.0	0.0%	
97.5%	260.6	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%	899.9	899.1	-0.8	-0.1%	
3.7%	895.5	896.6	1.1	0.1%	
4.9%	865.7	889.3	23.6	2.7%	
6.2%	824.7	886.1	61.4	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%	699.9	698.9	-1.0	-0.3%	
24.7%	689.1	696.4	7.3	1.1%	
25.9%	684.5	691.7	7.2	1.1%	
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%	
34.5%	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%	617.0	544.0	-73.0	-11.8%	
43.2%	601.1	523.8	-77.3	-12.9%	
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	-1.0	-0.2%	
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	352.4	2.3	0.7%	
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			

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	896.6	90.2	11.8%	
2.5%	757.9	731.9	-26.1	-3.4%	
3.7%	720.3	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%	650.3	650.9	0.4	0.3%	
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	616.7	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	594.4	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%	
34.5%	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%	496.5	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	318.3	-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%	299.8	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%	271.0	274.0	3.0	1.1%	
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%	683.8	656.1	-27.7	-4.1%	
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%	594.6	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%	503.3	516.3	13.0	2.6%	
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%	
34.5%	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%	448.8	451.6	2.8	0.4%	
42.0%	436.1	449.9	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%	394.3	391.3	-3.0	-0.8%	
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%	351.4	357.7	6.3	1.8%	
65.4%	349.1	348.7	-0.4	-0.1%	
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%	326.8	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	0.3	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	227.8	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	212.2	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	486.1	17.6	3.8%	
27.2%	458.6	480.5	21.9	4.8%	
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%	
34.5%	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	30			

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	584.5	-2.8	-0.6%	
2.5%	557.6	548.4	-9.1	-1.6%	
3.7%	548.7	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%	378.7	381.7	3.0	0.8%	
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%	
34.5%	378.6	378.8	0.3	0.1%	
35.8%	376.0	378.0	2.0	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%	356.3	354.6	-1.7	-0.5%	
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	314.0	-0.1	0.0%	
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%	285.1	288.1	3.0	1.1%	
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	0.2	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	378.0	-12.6	-3.2%	
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%	340.9	347.9	7.0	2.0%	
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%	
34.5%	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%	285.1	280.6	-4.4	-1.5%	
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	0.0	0.0%	
95.1%	277.2	276.5	-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%	262.9	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	616.5	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%	480.7	487.0	6.3	1.3%	
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%	405.3	423.4	18.1	4.5%	
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%	
34.5%	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	381.9	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%	348.8	353.1	4.3	1.2%	
51.9%	344.5	348.3	3.8	1.1%	
53.1%	342.2	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.					

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

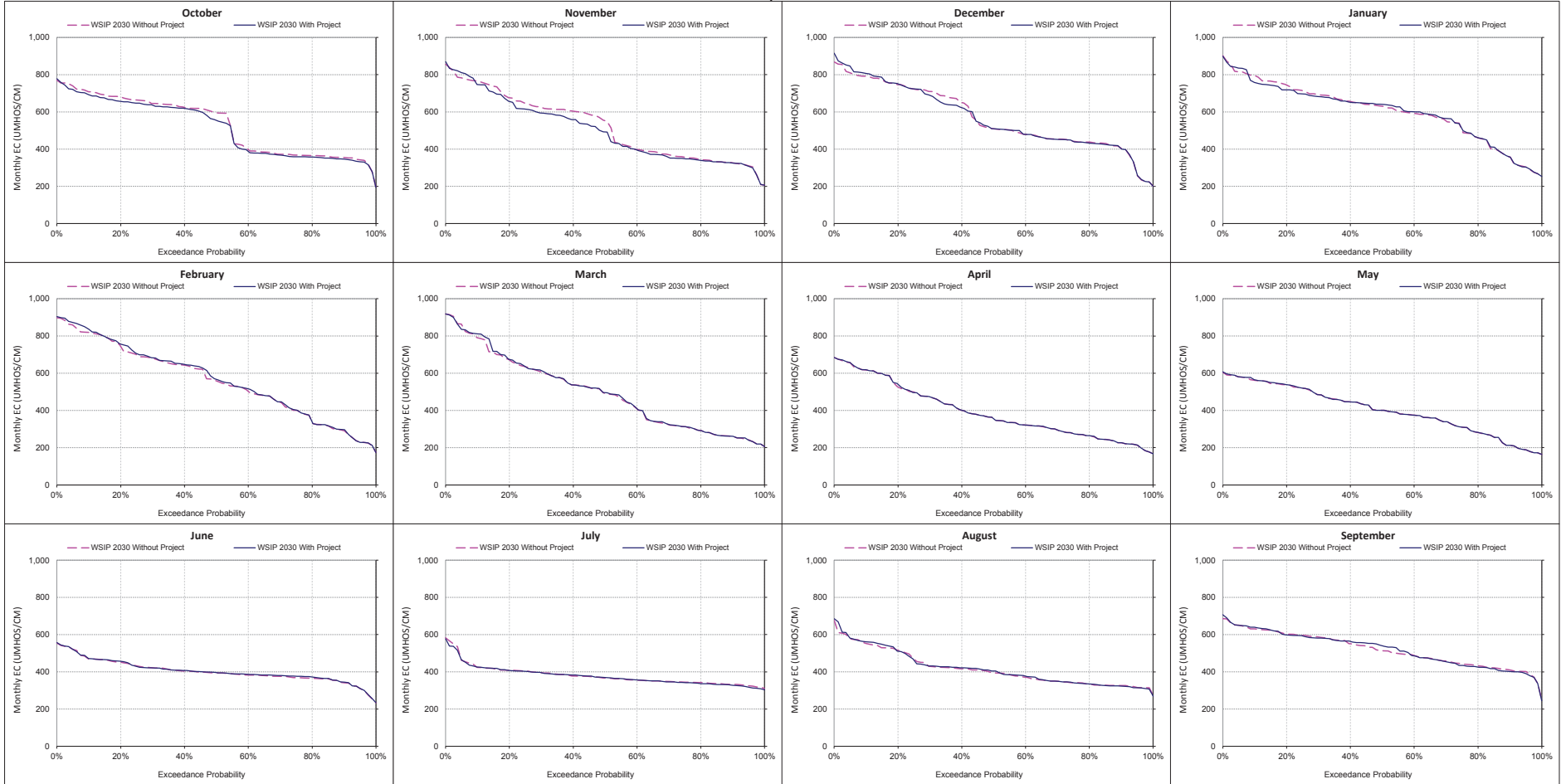


Table SQ-32-b
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Probability of Exceedance

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%	724.0	727.3	3.3	0.5%	
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%	662.4	627.4	-35.0	-5.3%	
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%	
34.5%	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	-37.9	-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	-1.4	-0.3%	
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	347.4	-17.7	-4.8%	
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	-6.8	-1.9%	
87.7%	355.9	347.1	-8.8	-2.5%	
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	-9.0	-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%	335.9	329.9	-6.0	-1.8%	
97.5%	321.0	315.6	-5.4	-1.7%	
98.8%	278.8	279.6	0.8	0.3%	
100.0%	194.5	194.4	-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%	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	821.9	34.8	4.4%	
4.9%	783.3	810.6	27.4	3.5%	
6.2%	772.4	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%	750.2	745.9	-4.3	-0.6%	
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%	686.0	672.1	-13.9	-2.0%	
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%	645.7	612.2	-33.5	-5.2%	
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%	618.4	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%	
34.5%	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%	566.0	493.2	-62.8	-11.3%	
50.6%	560.9	492.1	-68.8	-12.3%	
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%	306.5	306.9	0.4	0.1%	
96.3%	304.5	301.4	-3.1	-1.0%	
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	861.9	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%	781.0	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%	761.8	762.8	1.0	0.2%	
17.3%	754.8	755.7	0.9	0.1%	
18.5%	753.8	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	719.6	0.0	0.0%	
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%	
34.5%	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%	559.9	550.5	-9.4	-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	468.4	1.7	0.4%	
65.4%	465.4				

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%	894.3	893.3	-1.1	-1.3%	
3.7%	893.5	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%	698.2	698.4	0.2	0.0%	
27.2%	688.5	700.0	11.5	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	667.7	-0.3	0.0%	
33.3%	663.2	667.3	4.0	0.6%	
34.5%	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	329.1	0.0	0.0%	
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	227.8	-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%	895.5	899.6	-5.9	-0.7%	
3.7%	866.1	865.5	-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	811.2	-0.2	0.0%	
9.9%	790.8	790.8	0.0	0.0%	
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%	690.9	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%	630.6	630.4	-0.2	0.0%	
27.2%	623.1	623.3	0.2	0.0%	
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%	
34.5%	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%	464.7	464.5	-0.2	0.0%	
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%	302.3	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%	232.7	232.2	-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%	669.0	673.5	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	0.0	0.0%	
18.5%	550.5	551.2	0.7	0.1%	
19.8%	528.5	545.2	16.7	3.2%	
21.0%	517.2	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	494.7	0.4	0.1%	
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%	
34.5%	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	0.1%	
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%					

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%	466.5	470.2	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	414.4	-14.4	-3.4%	
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%	
34.5%	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	395.8	1.8	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%	371.0	377.1	6.1	1.6%	
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	370.7	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	-0.1	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%	300.3	300.9	0.6	0.2%	
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	559.0	-6.9	-1.2%	
2.5%	535.0	537.0	2.0	0.4%	
3.7%	515.8	515.8	0.0	0.0%	
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	403.2	0.2	0.0%	
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%	389.3	386.4	-2.9	-0.7%	
34.5%	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%	346.8	343.2	-3.6	-1.0%	
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%	312.9	311.5	-1.4	-0.4%	
97.5%	318.6	312.6	-6.0	-1.9%	
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	614.1	6.1	1.0%	
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%	456.1	456.1	0.0	0.0%	
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%	
34.5%	423.8	426.8	3.0	0.7%	
35.8%	422.7	426.8	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%	372.7	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	3			