Sacramento-San Joaquin Delta Modeling

Summary Tables and Bar Charts

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

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

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

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

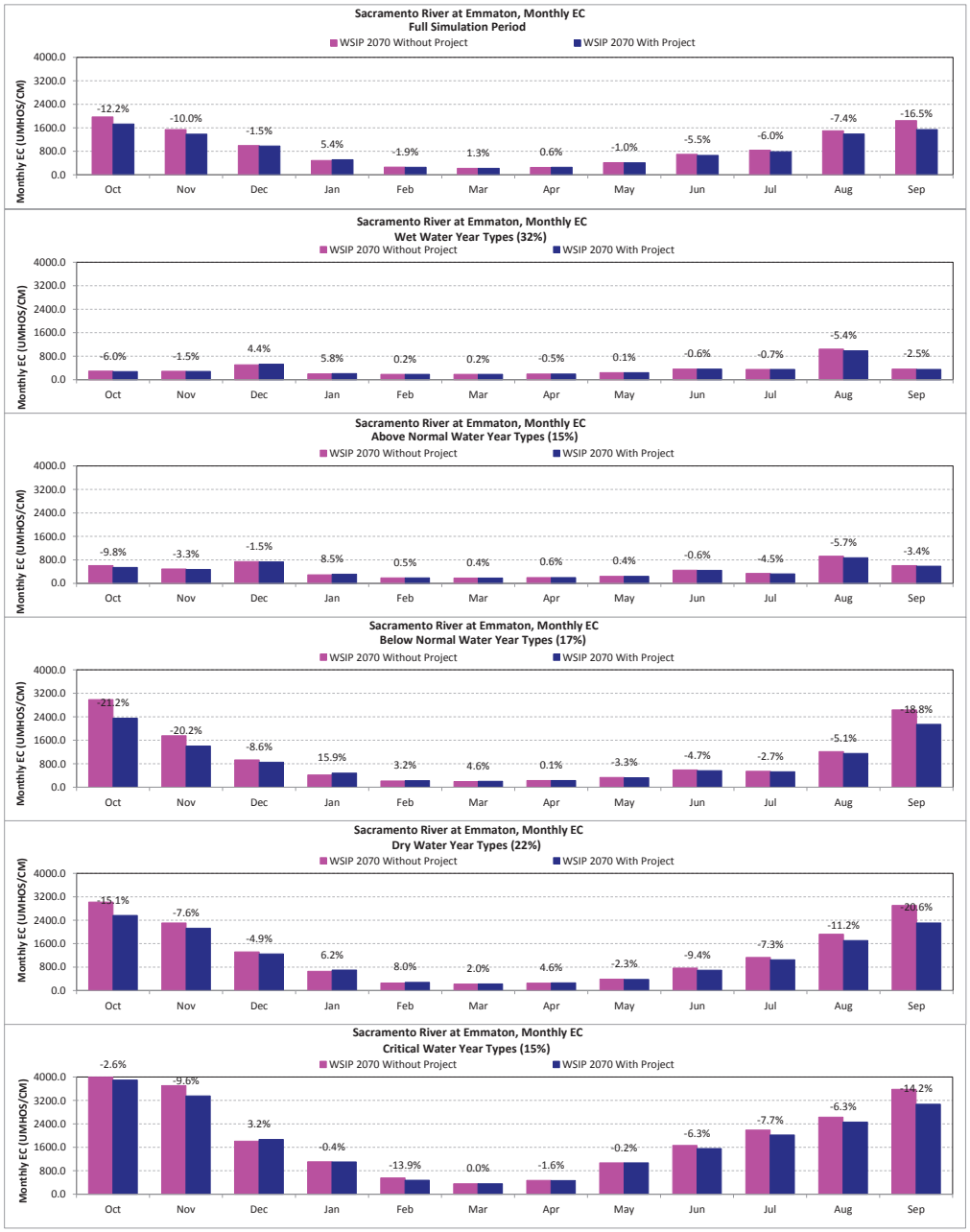


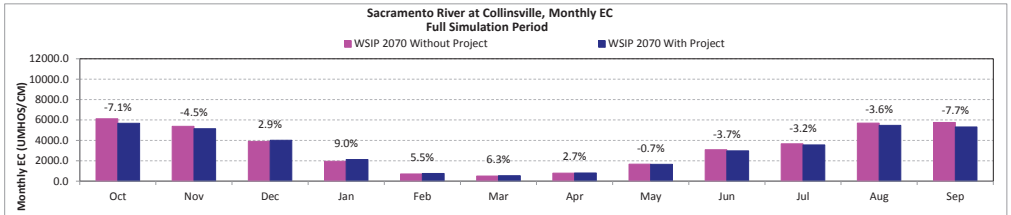
Table SQ-22-a
Sacramento River at Collinsville, Monthly EC
Long-term Average and Average by Water Year Type

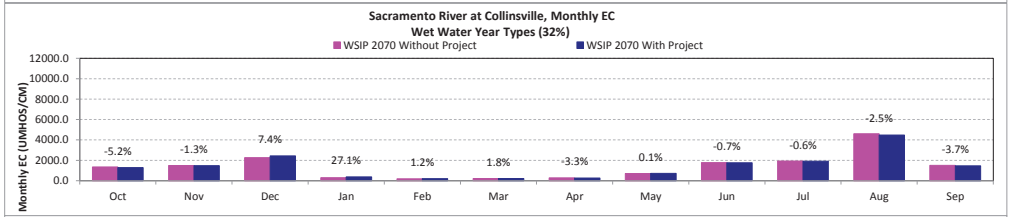
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6113.9	5381.9	3899.2	1949.6	715.5	510.7	787.3	1670.3	3085.5	3664.9	5685.7	5758.9
WSIP 2070 With Project	5679.1	5140.7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

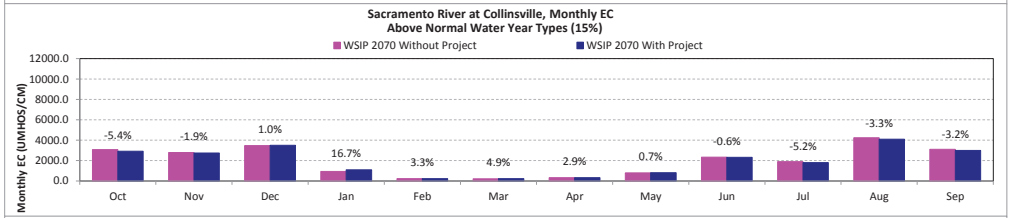
1 Based on the 82-year simulation period

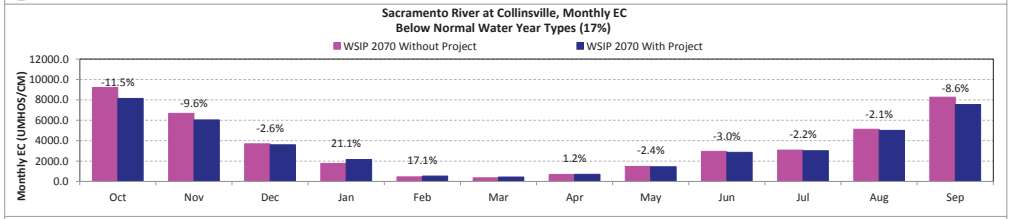
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

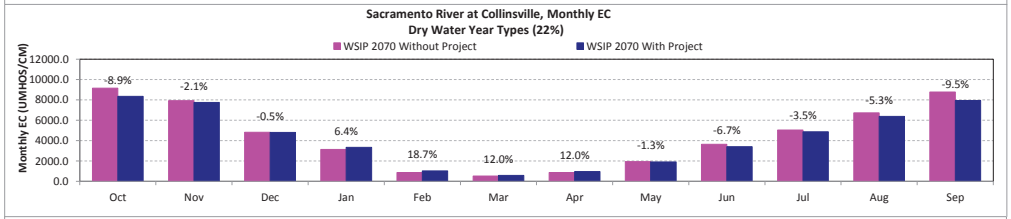
3 Relative difference of the monthly average











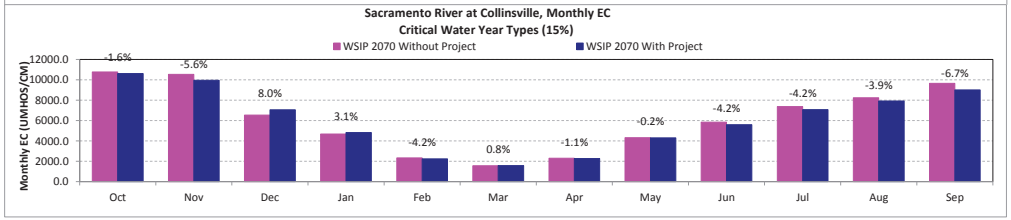


Table SQ-23-a
Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Long-term Average and Average by Water Year Type

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

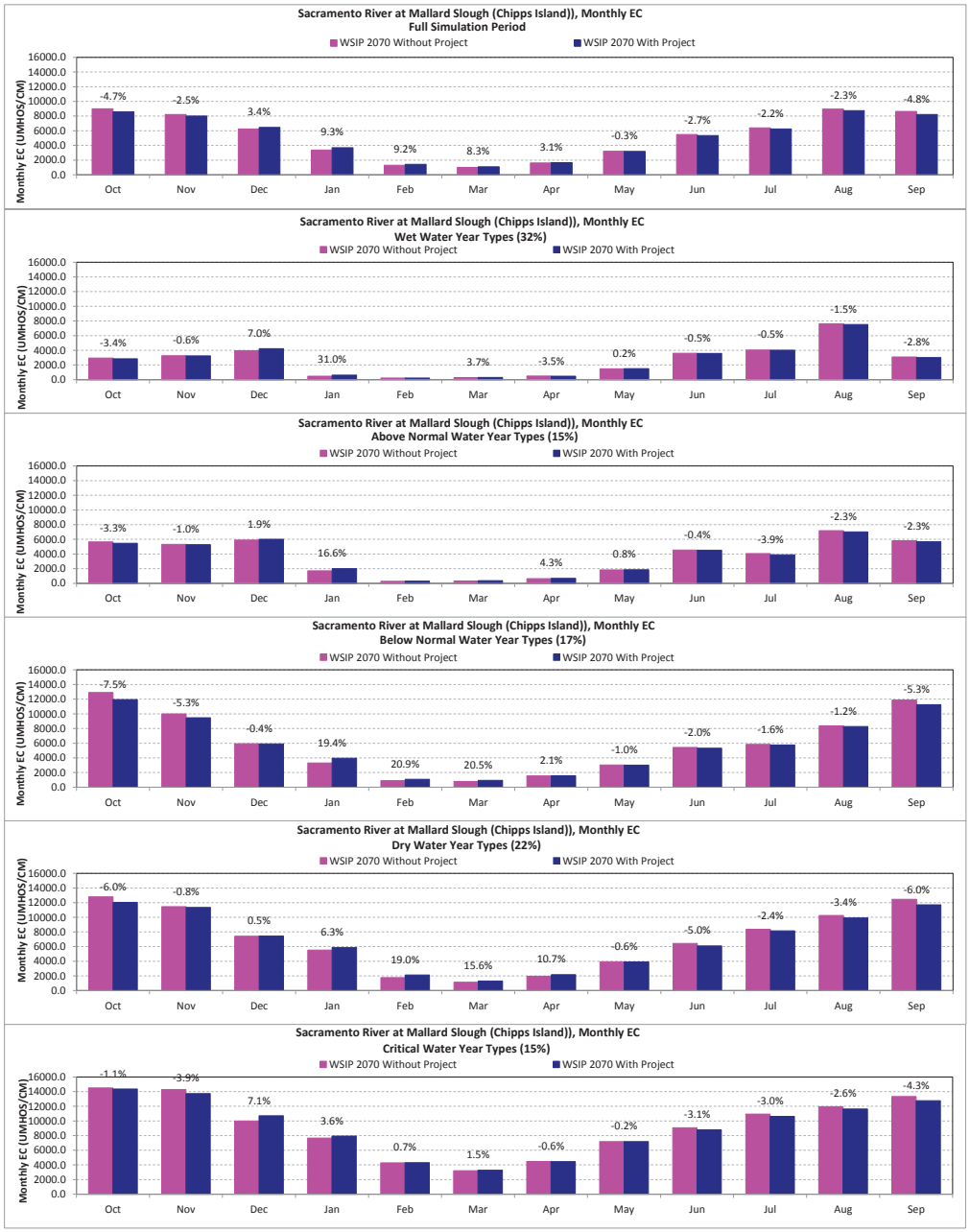


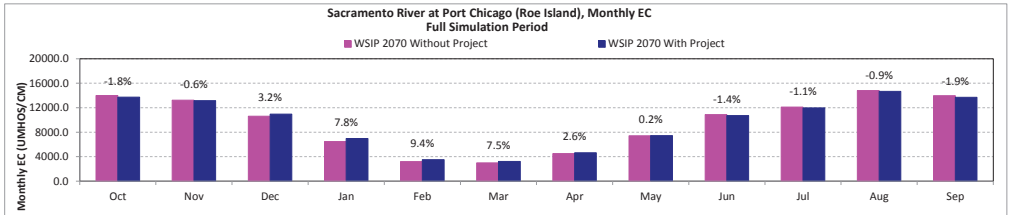
Table SQ-24-a
Sacramento River at Port Chicago (Roe Island), Monthly EC
Long-term Average and Average by Water Year Type

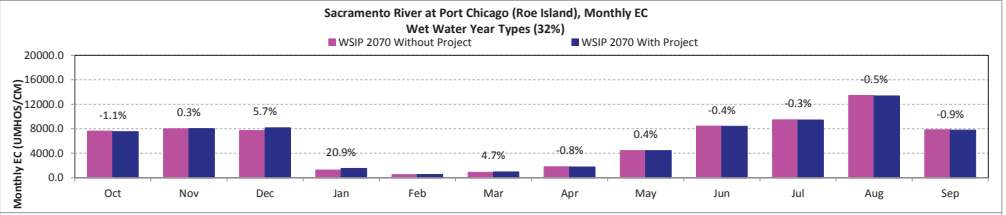
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly EC (UMHOS/CM)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	13984.7	13228.8	10619.9	6477.9	3208.5	2999.2	4522.8	7421.8	10874.6	12116.3	14803.4	13974.5
WSIP 2070 With Project	13735.1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

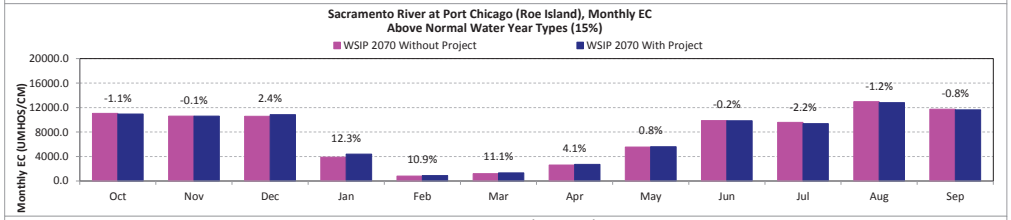
1 Based on the 82-year simulation period

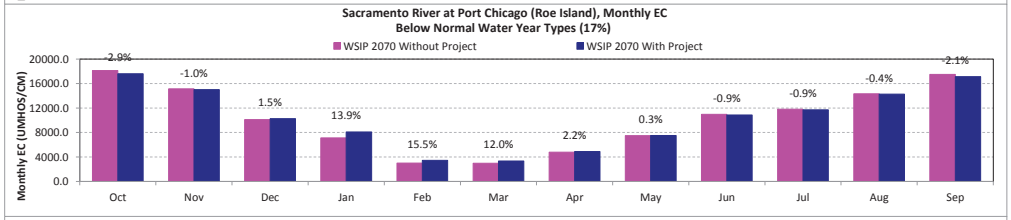
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

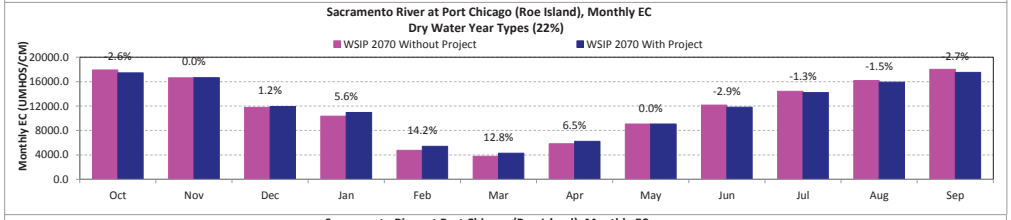
3 Relative difference of the monthly average











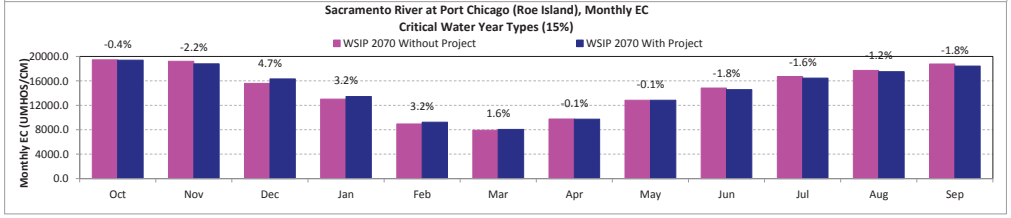


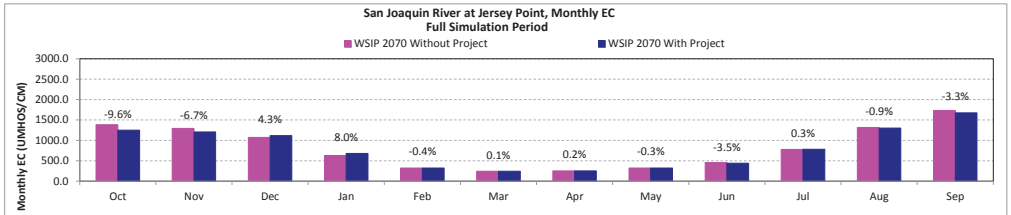
Table SQ-25-a
San Joaquin River at Jersey Point, Monthly EC
Long-term Average and Average by Water Year Type

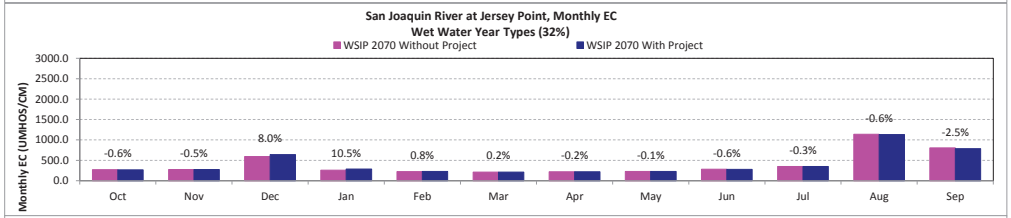
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1383.3	1292.0	1072.0	630.5	323.6	244.1	251.8	322.9	456.2	779.2	1315.9	1734.5
WSIP 2070 With Project	1250.9	1205.8	1118.2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

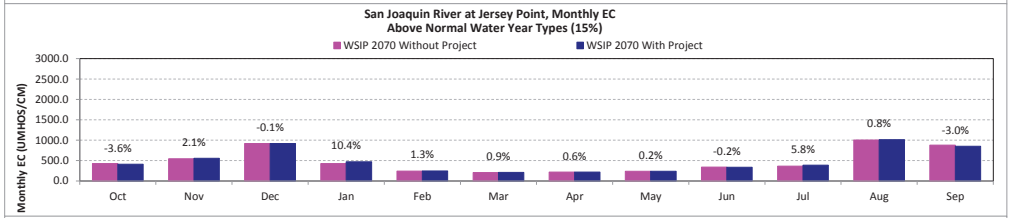
1 Based on the 82-year simulation period

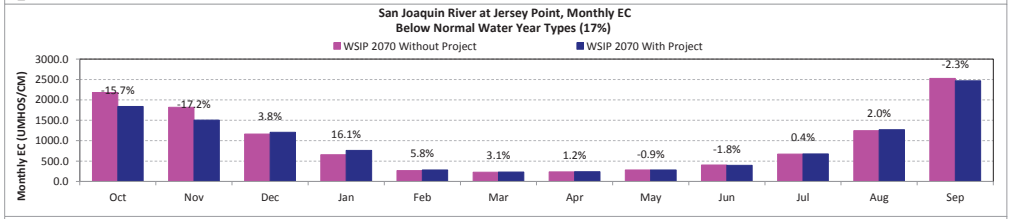
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

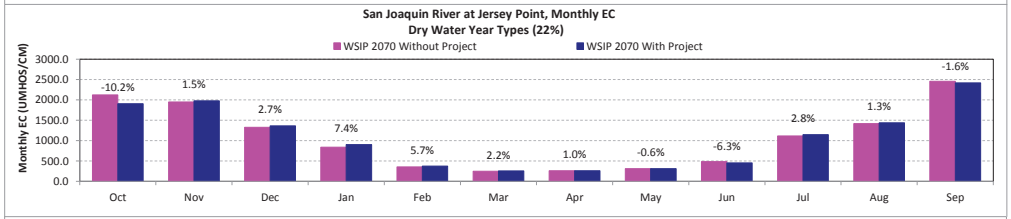
3 Relative difference of the monthly average











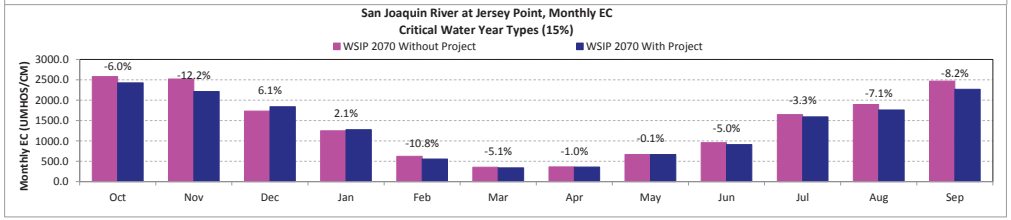


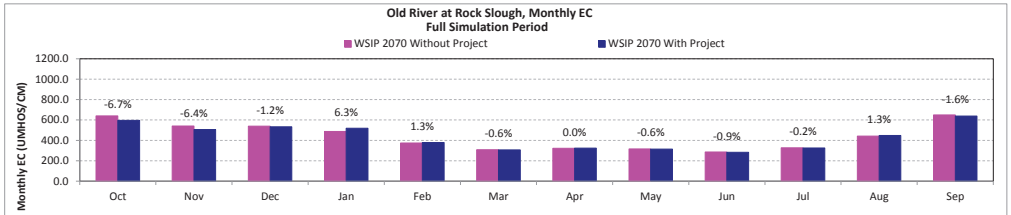
Table SQ-27-a
Old River at Rock Slough, Monthly EC
Long-term Average and Average by Water Year Type

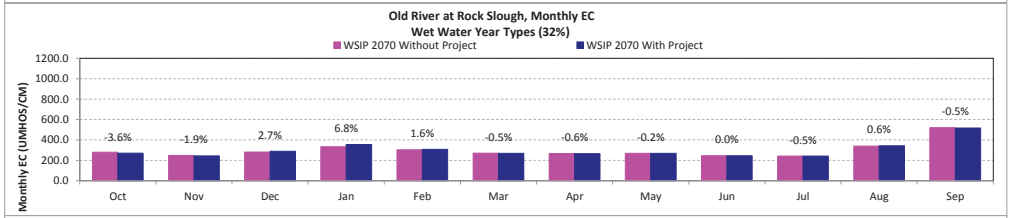
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	639.3	541.0	539.9	487.7	374.7	308.2	323.2	316.9	286.6	326.5	442.8	649.4
WSIP 2070 With Project	596.7	506.3	533.7	518.4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

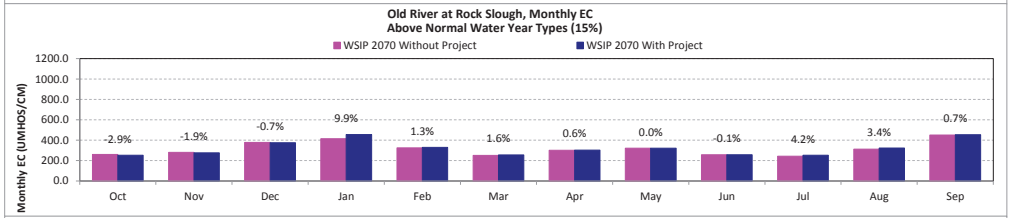
1 Based on the 82-year simulation period

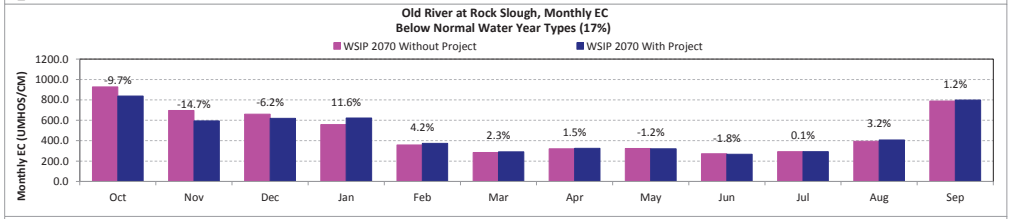
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

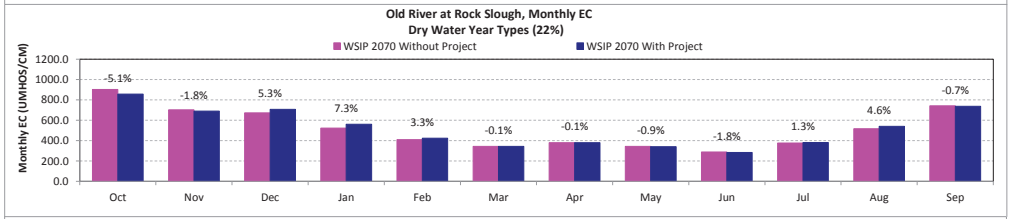
3 Relative difference of the monthly average











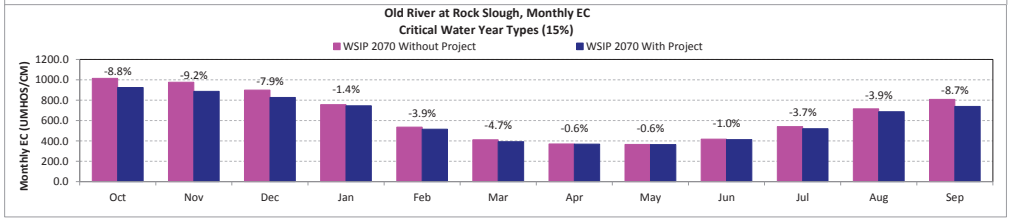


Table SQ-28-a
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Long-term Average and Average by Water Year Type

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

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

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

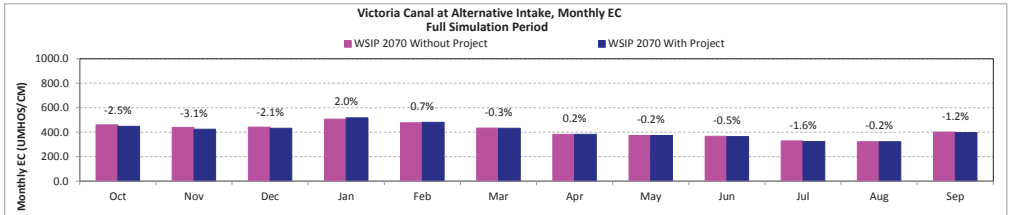
Table SQ-30-a
Victoria Canal at Alternative Intake, Monthly EC
Long-term Average and Average by Water Year Type

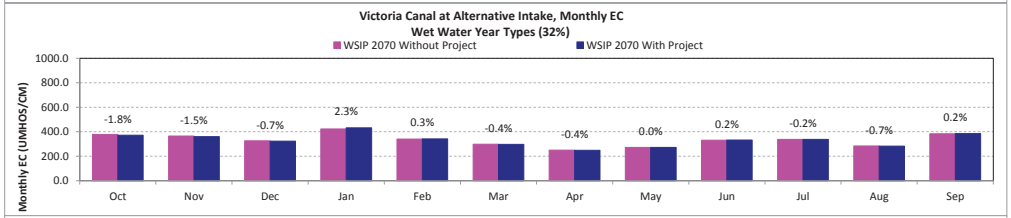
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	460.2	438.5	441.8	507.4	477.4	434.1	382.5	374.0	367.0	328.5	322.8	401.6
WSIP 2070 With Project	448.5	425.2	432.7	517.3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

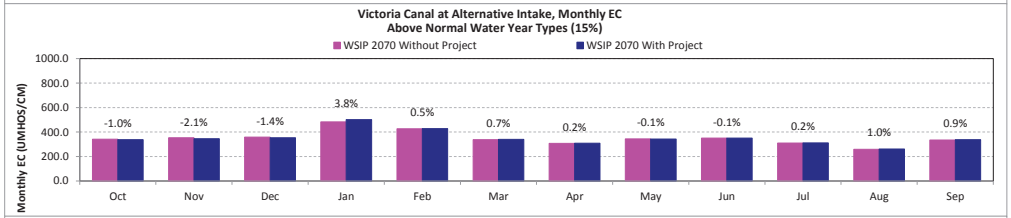
1 Based on the 82-year simulation period

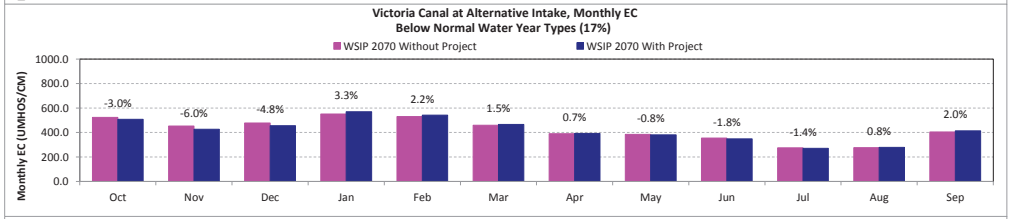
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

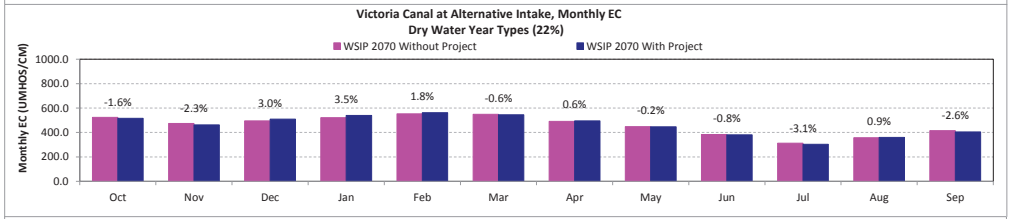
3 Relative difference of the monthly average











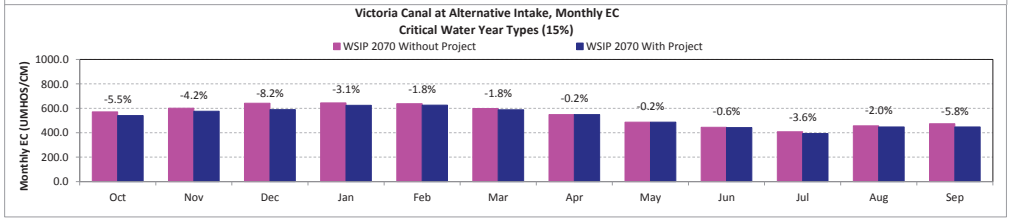


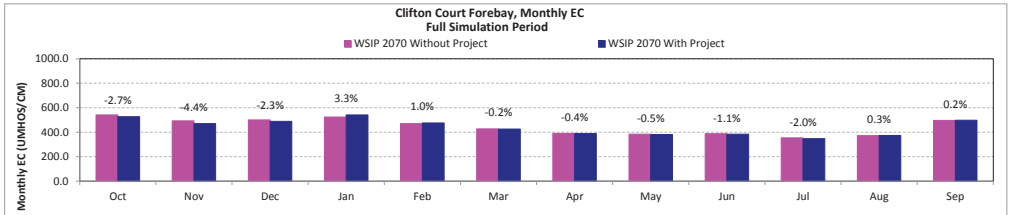
Table SQ-31-a
Clifton Court Forebay, Monthly EC
Long-term Average and Average by Water Year Type

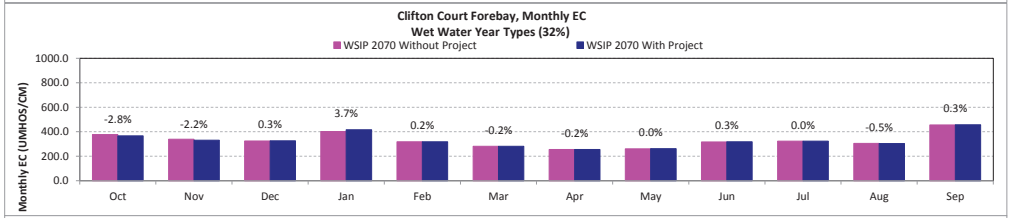
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	541.1	492.4	500.5	523.6	470.7	426.7	391.1	383.7	388.4	353.9	372.4	496.9
WSIP 2070 With Project	526.5	470.8	488.8	540.7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

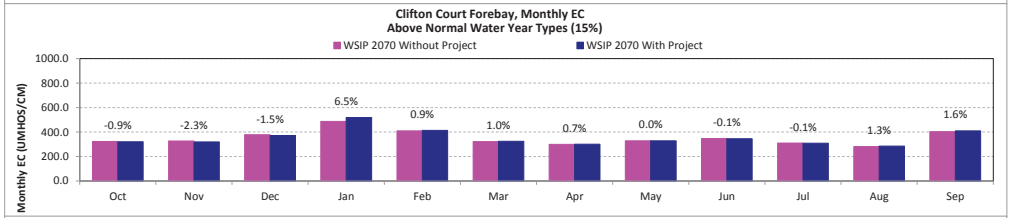
1 Based on the 82-year simulation period

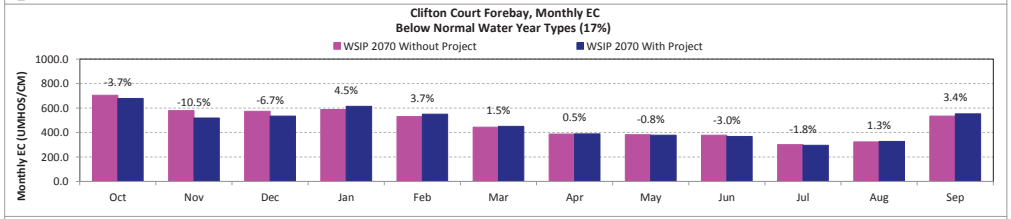
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

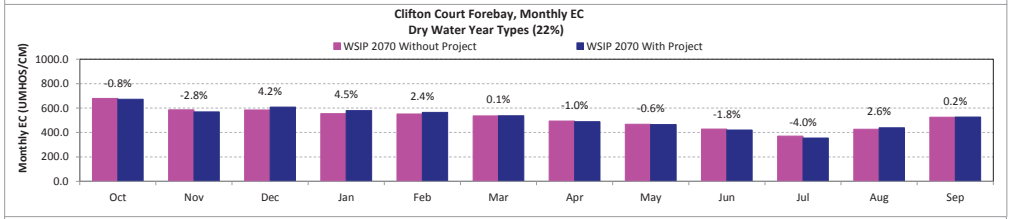
3 Relative difference of the monthly average











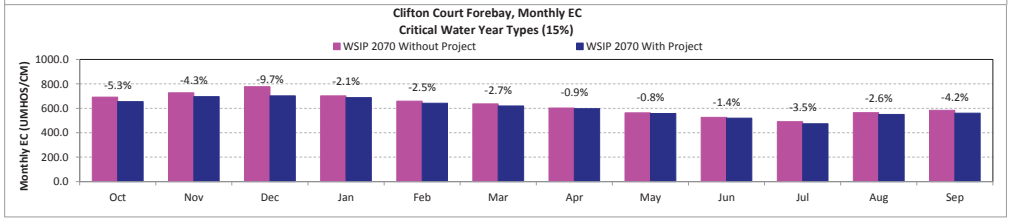


Table SQ-32-a
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Long-term Average and Average by Water Year Type

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

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

Sacramento-San Joaquin Delta Modeling

Exceedance Probability Charts and Tables

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

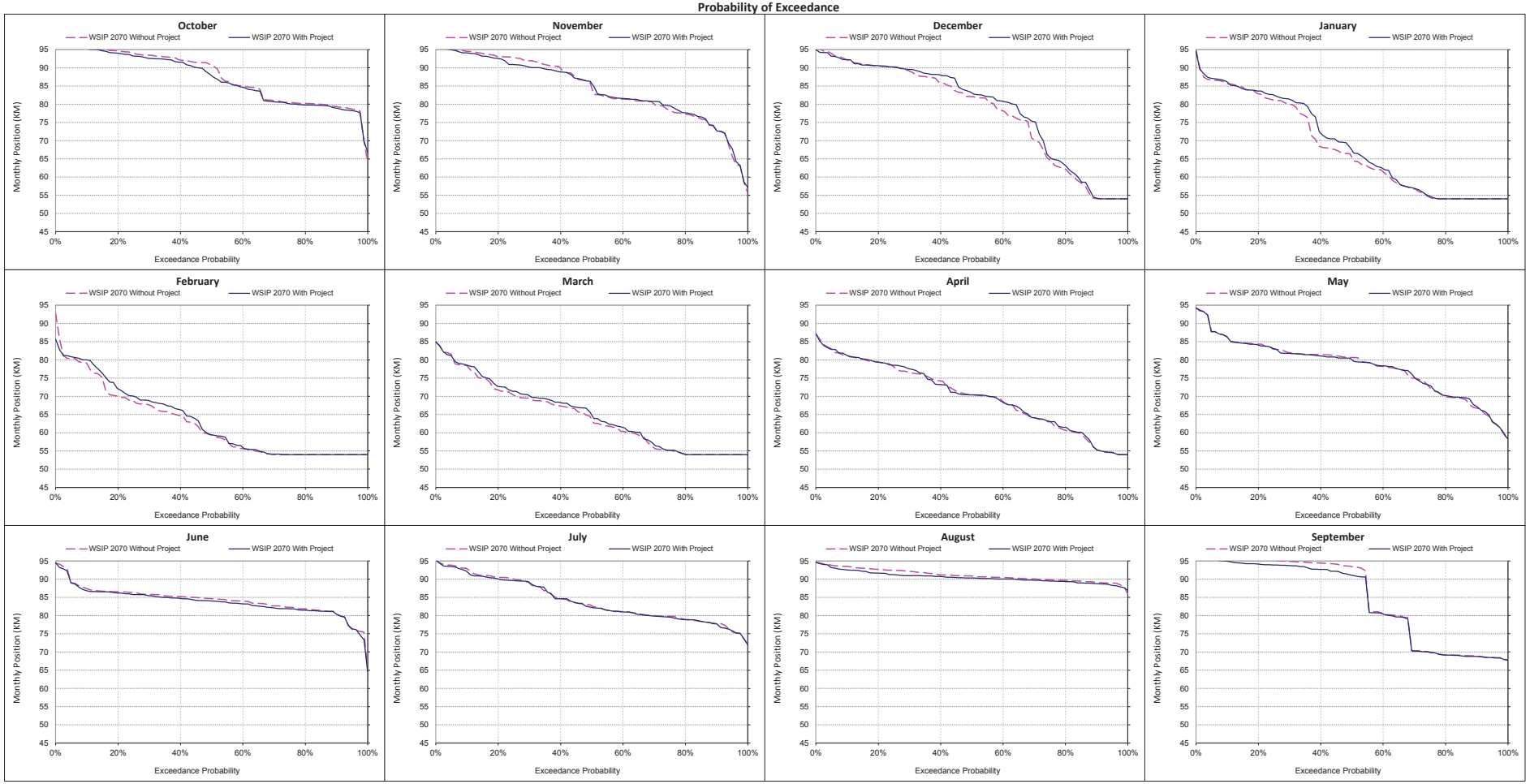


Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

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

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

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

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

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

June

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

July

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

August

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

September

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

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

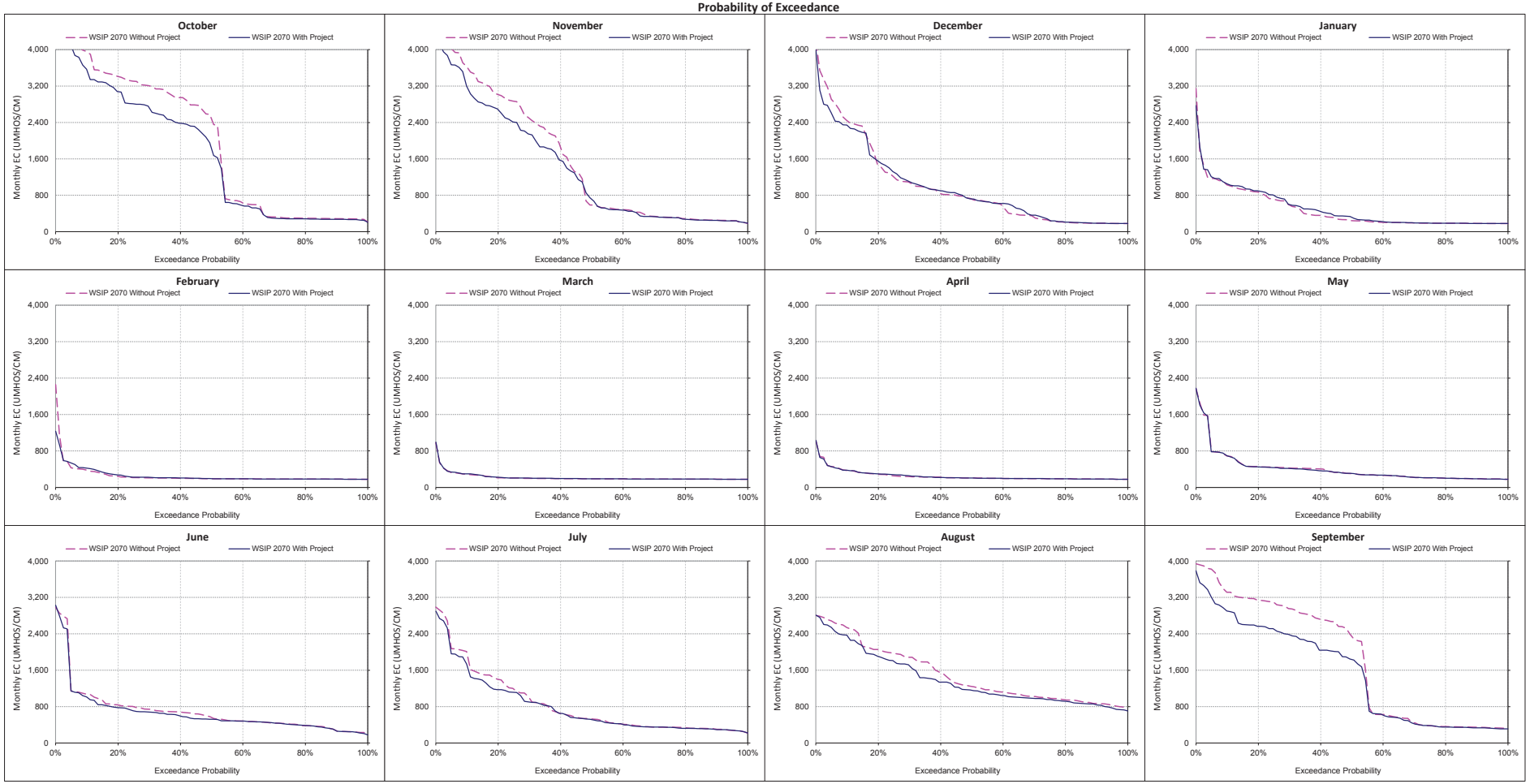


Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

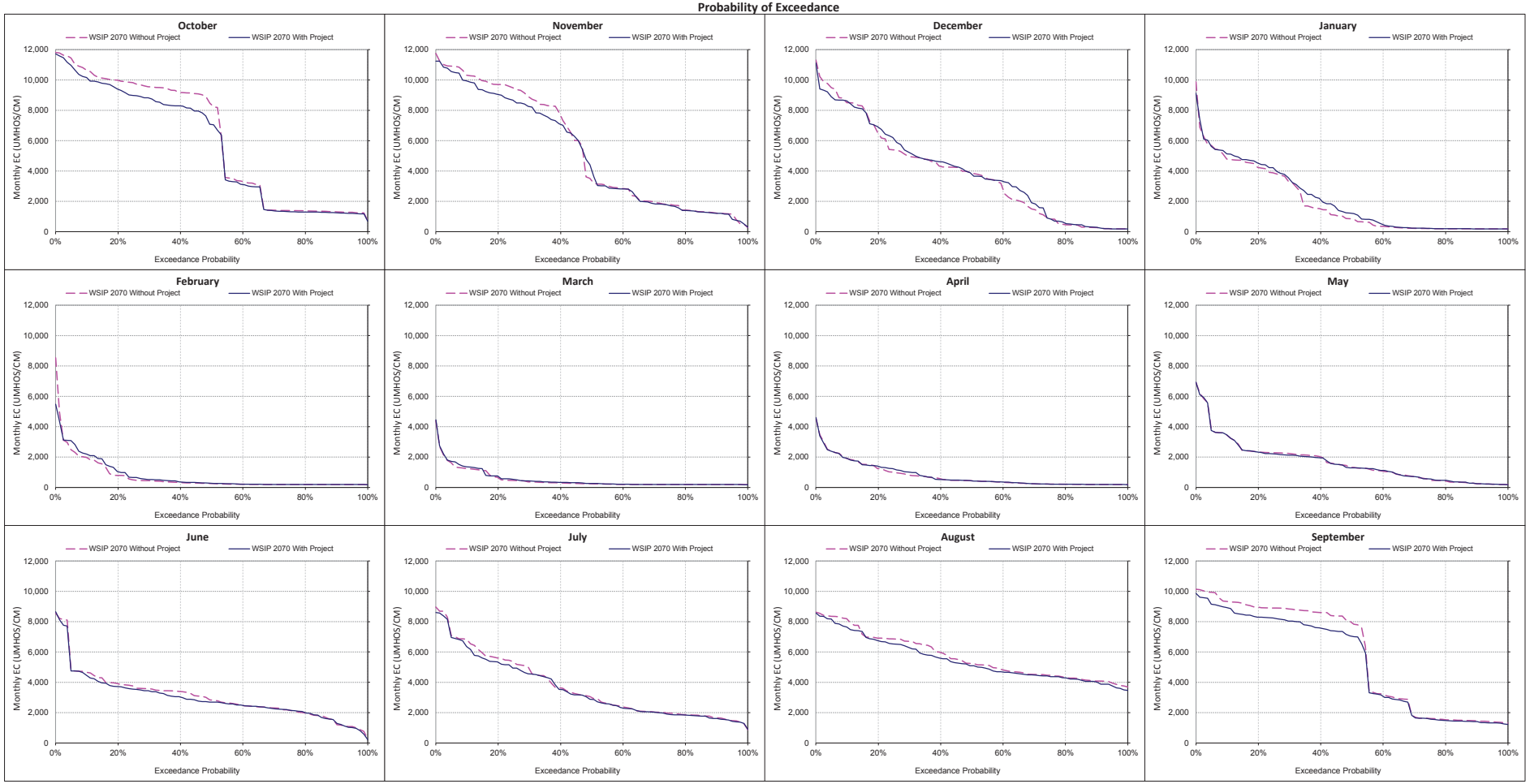


Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

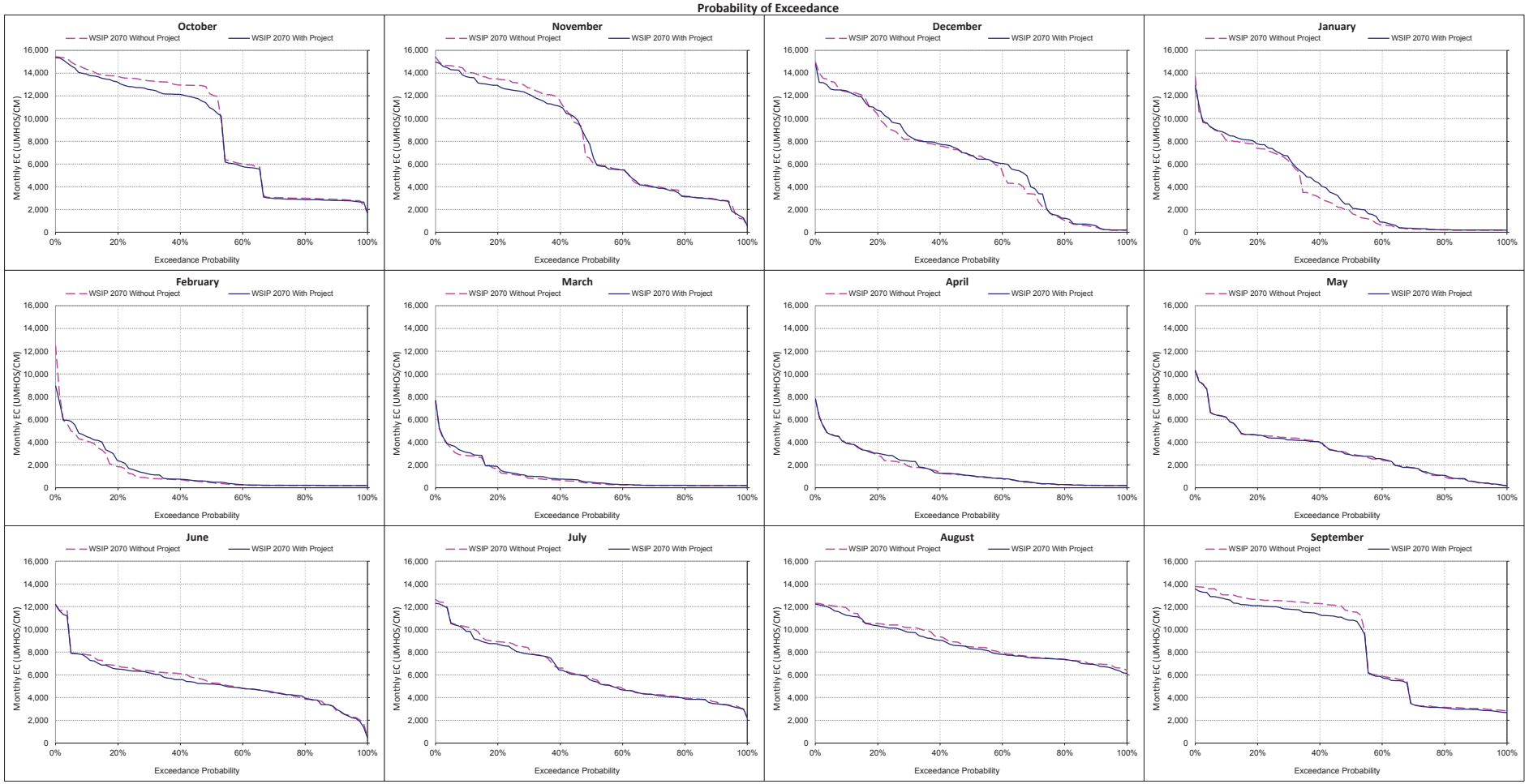


Table SQ-23-b

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

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-23-b

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

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-23-b

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

Probability of Exceedance

June

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

July

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

August

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

September

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

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

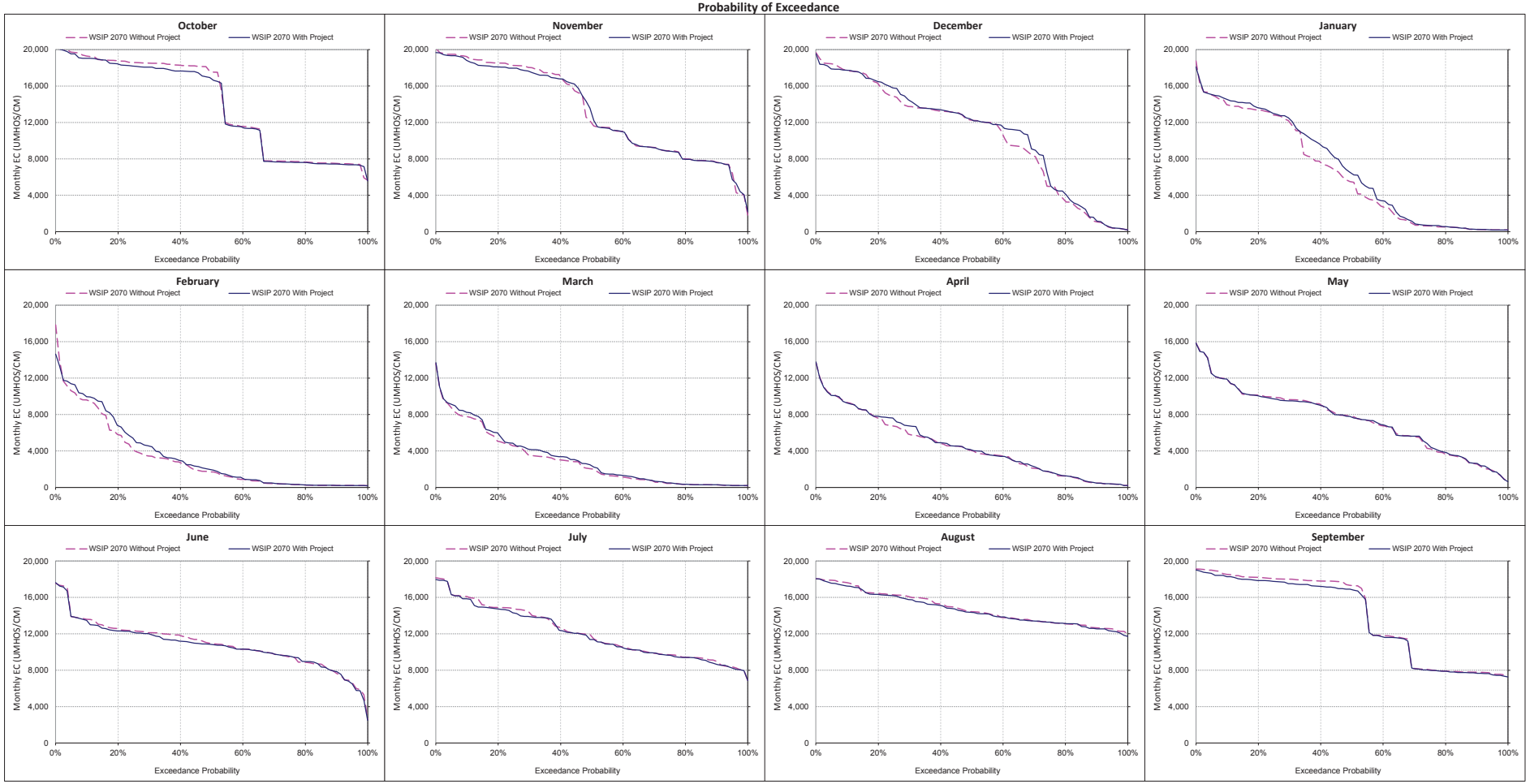


Table SQ-24-b

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

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-24-b

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

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-24-b

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

Probability of Exceedance

June

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

July

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

August

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

September

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

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

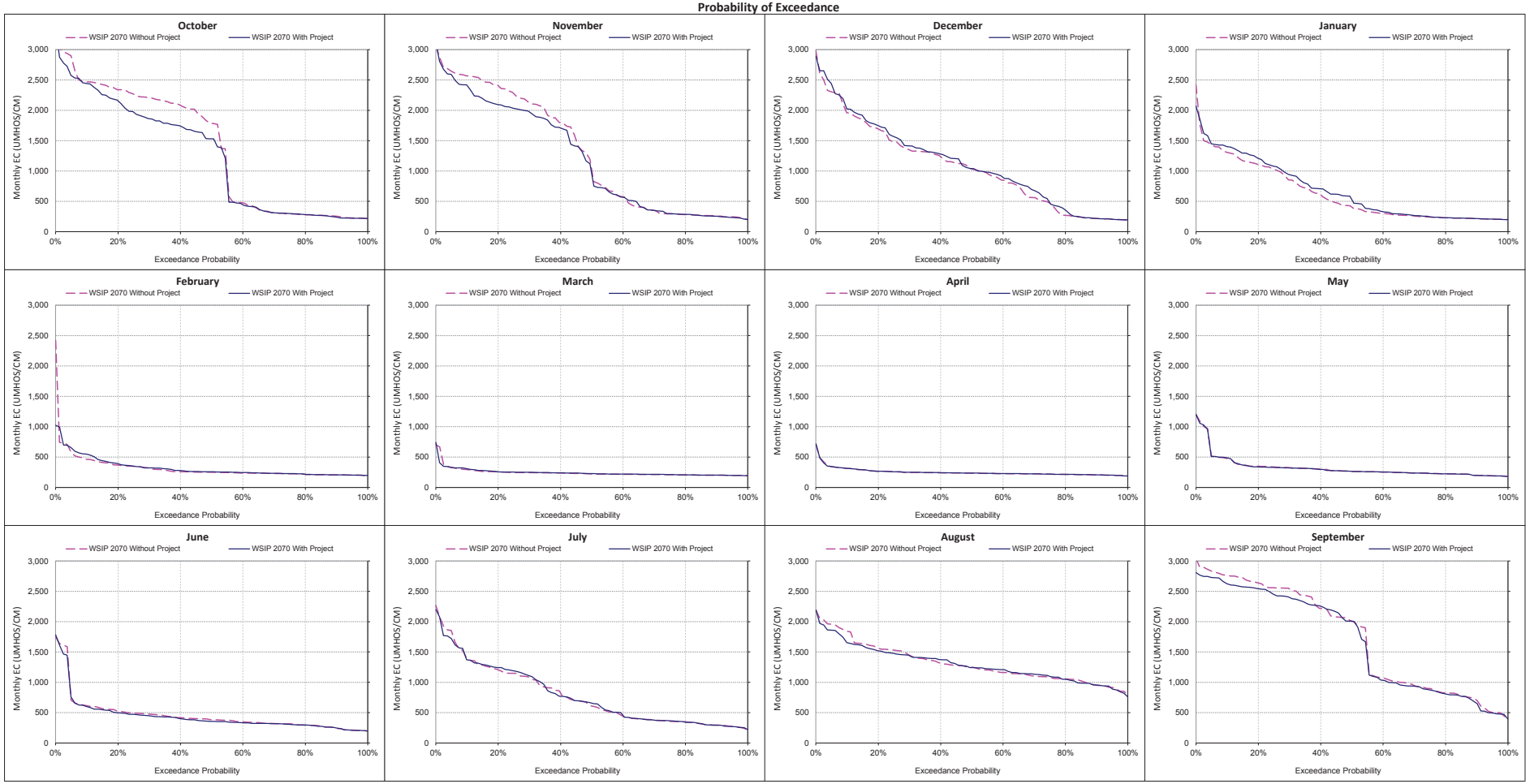


Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

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

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

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

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

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

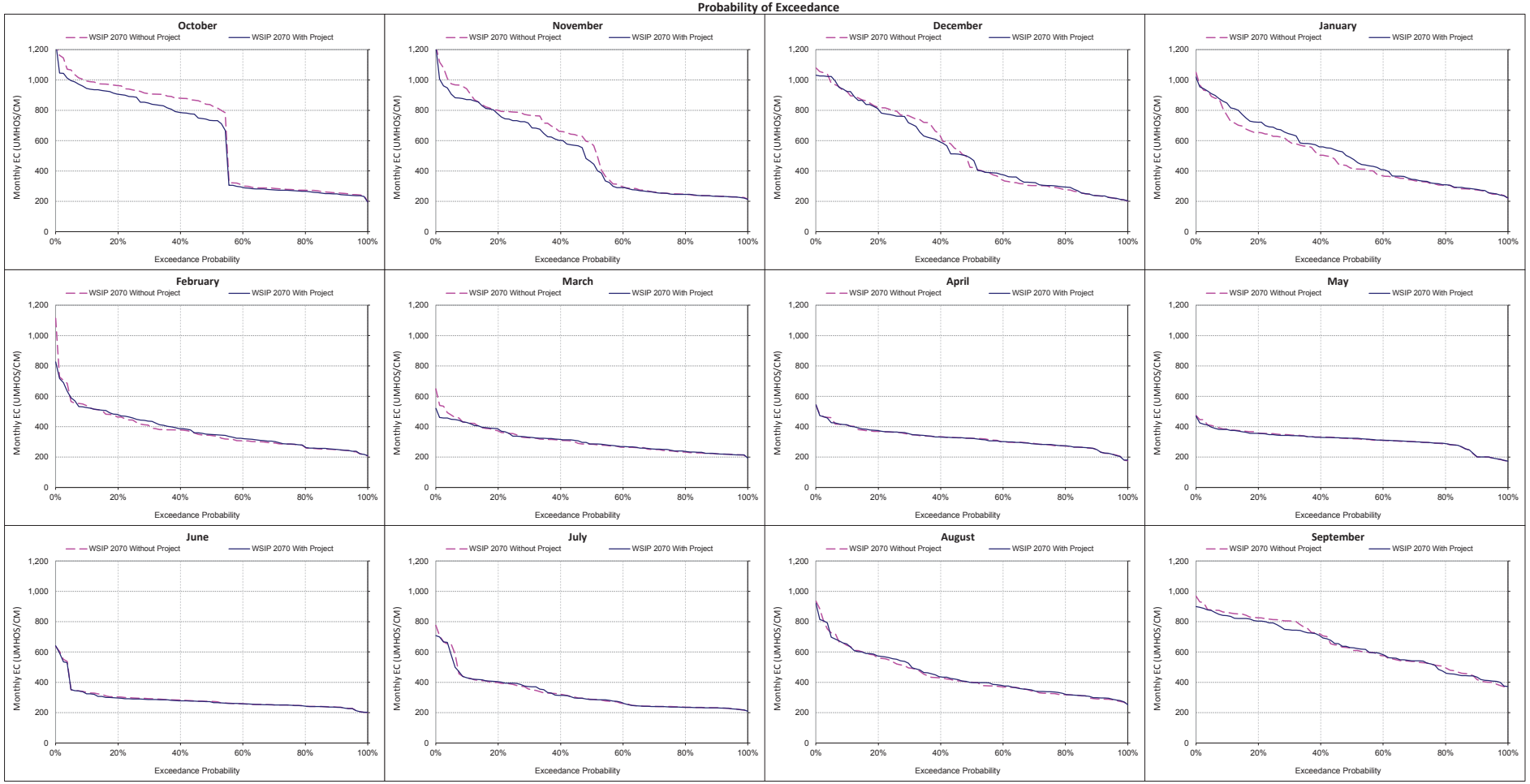


Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

June

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

July

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

August

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

September

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

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

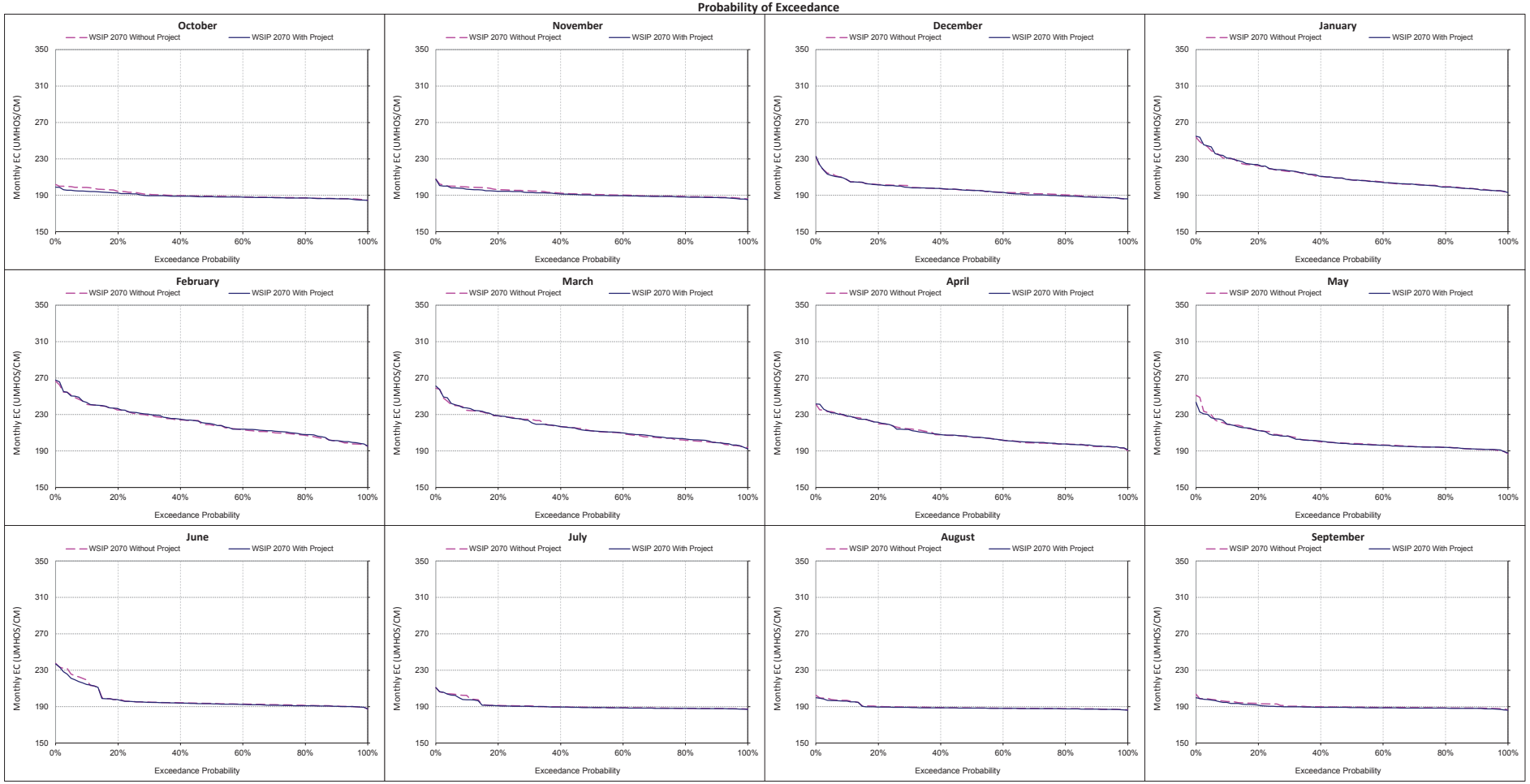


Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

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

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

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

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

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

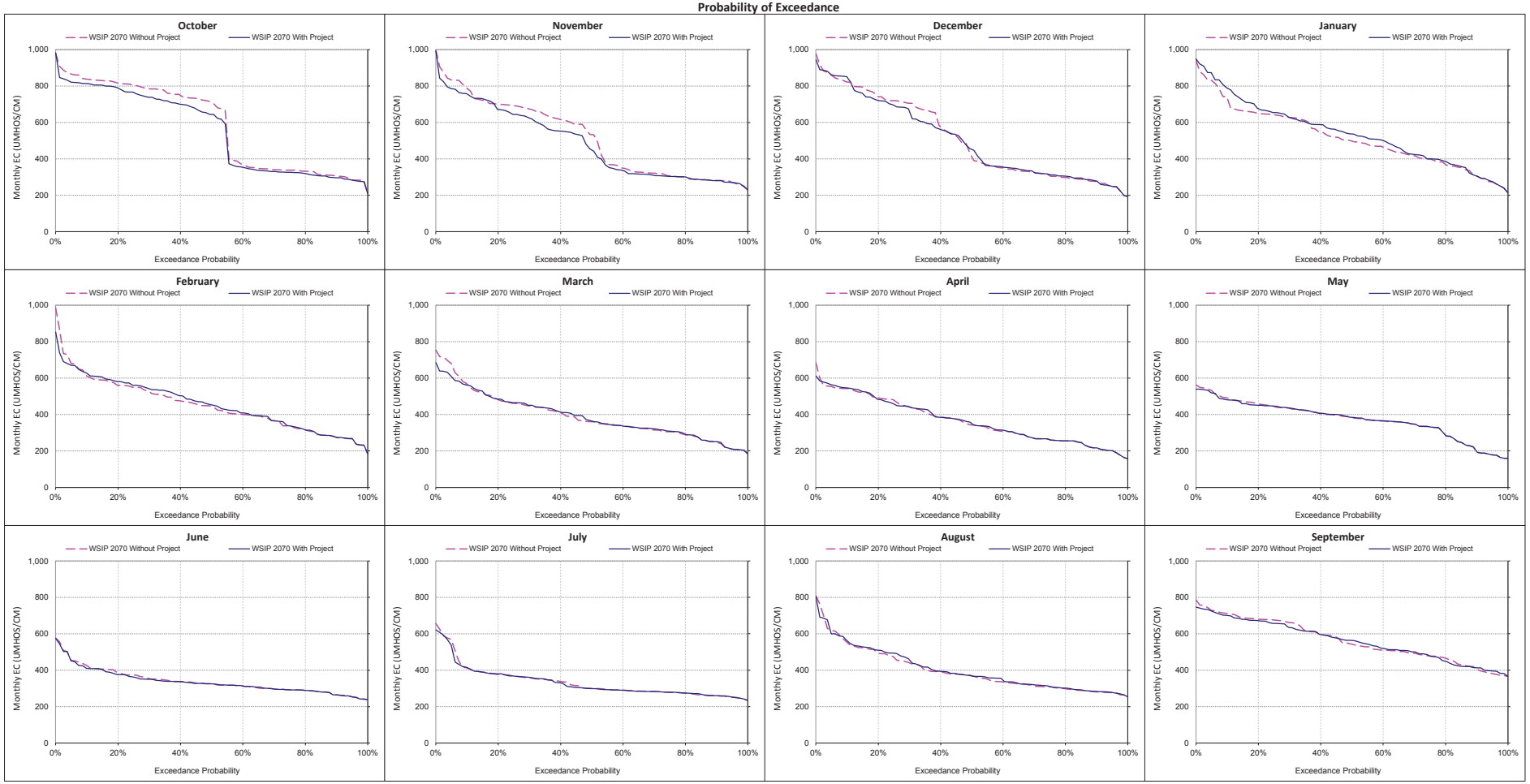


Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

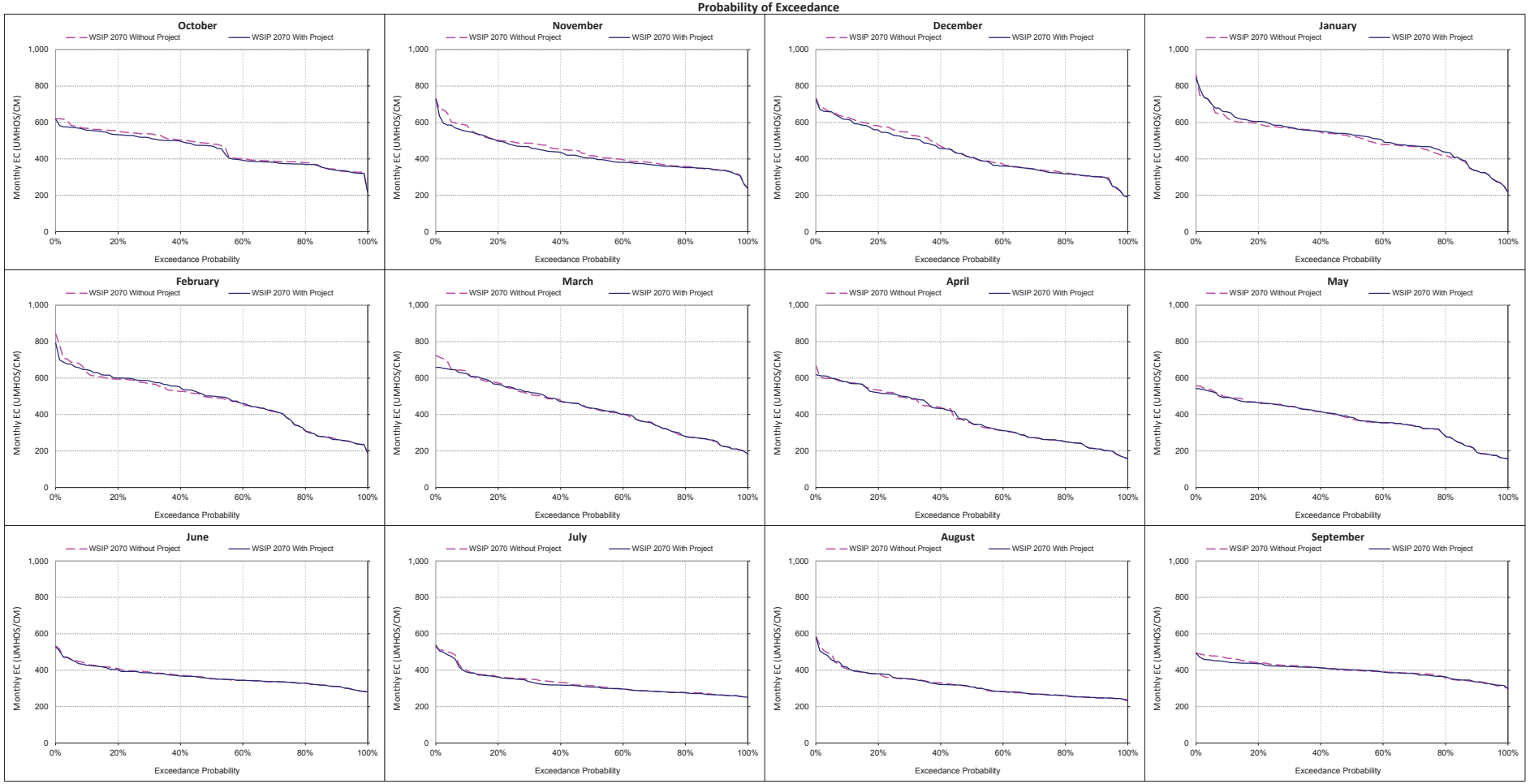


Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

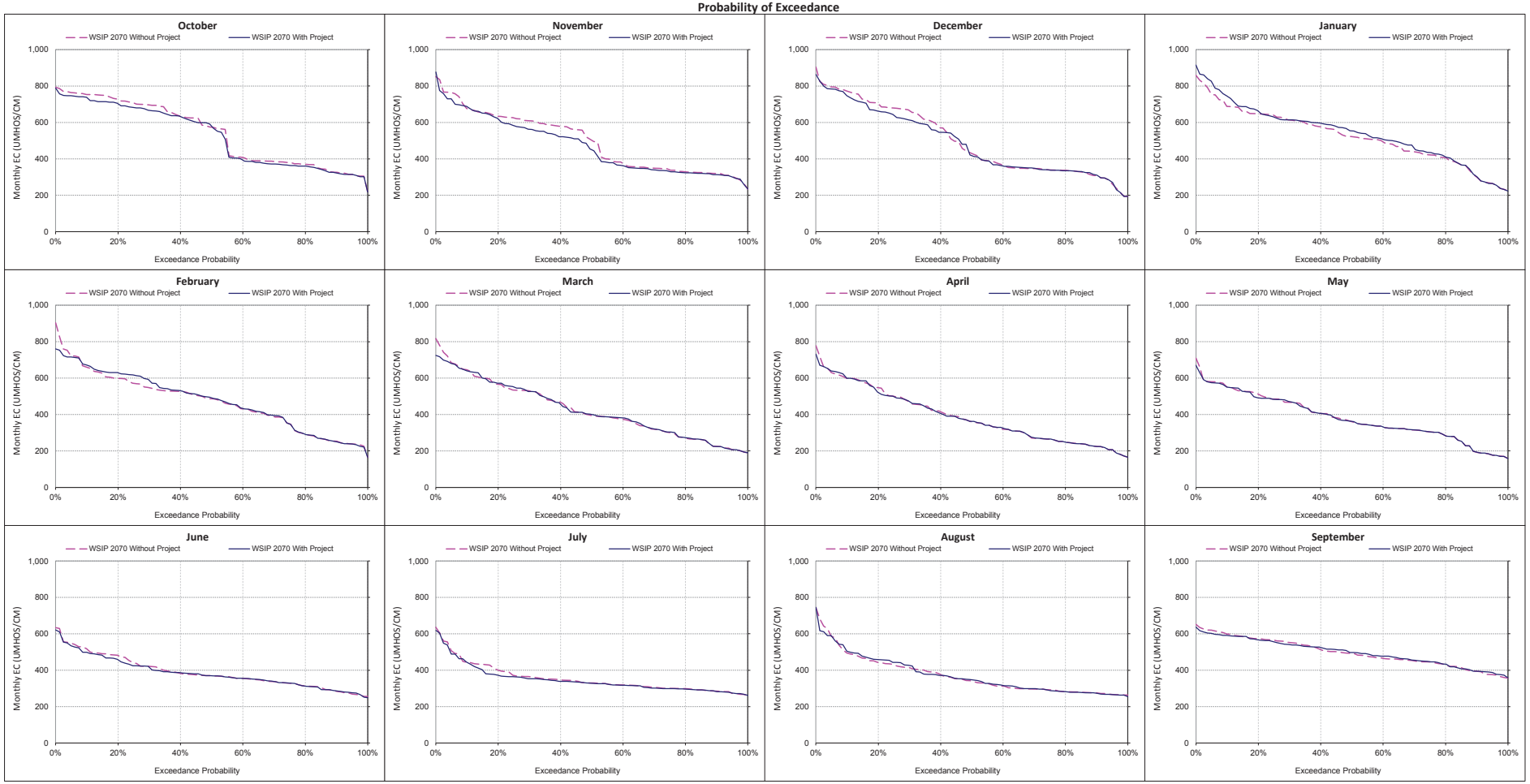


Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-31-b

Clifton Court Forebay, Monthly EC
Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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

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

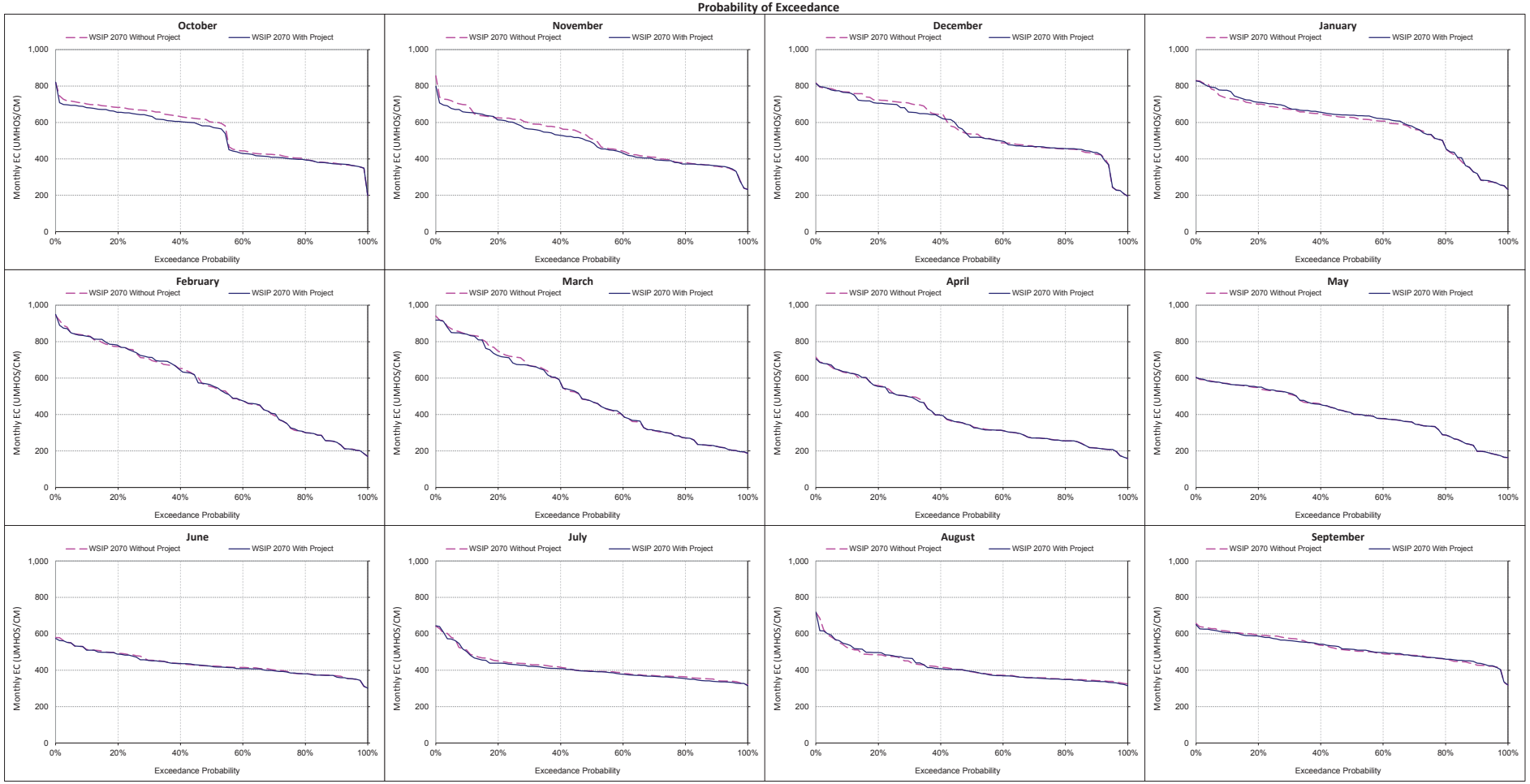


Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

October

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

November

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

December

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

January

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

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

February

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

March

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

April

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

May

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

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

June

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

July

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

August

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

September

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