

# **DCR 2015 Sites Project Modeling Results**

**Table of Contents**

**Page**

Salmonid Population Modeling (SALMOD) 2015 ..... 38

Delta Modeling DCR with Project vs DCR 2015 without Project ..... 77

Delta Operations DCR 2015 with Project vs DCR 2015 without Project ..... 263

Regional Deliveries DCR 2015 with Project vs without Project ..... 509

Project Operations DCR 2015 with Project vs DCR 2015 without Project ..... 533

River Operations DCR 2015 with Project vs DCR 2015 without Project ..... 703

Temperature Results DCR 2015 with Project vs DCR 2015 without Project..... 1,249

# **Salmonid Population Modeling (SALMOD)**

## **2015**

---

Table AQ-02-8a-1

<b>Annual Potential Production for Fall-Run Chinook Salmon</b>	
<b>Long-term Average and Average by Water Year Type Annual Production</b>	
<b>Analysis Period</b>	<b>Annual Potential Production (# of Fish/year)</b>
<b>Long-term</b>	
<b>Full Simulation Period<sup>1</sup></b>	
DCR 2015 Without Project	32,663,737
DCR 2015 With Project (051617)	32,993,352
Difference	<b>329,615</b>
Percent Difference <sup>3</sup>	<b>1.0</b>
<b>Water Year Types<sup>2</sup></b>	
<b>Wet (31.7%)</b>	
DCR 2015 Without Project	30,343,621
DCR 2015 With Project (051617)	29,765,437
Difference	<b>-578,184</b>
Percent Difference	<b>-1.9</b>
<b>Above Normal (14.6%)</b>	
DCR 2015 Without Project	29,239,706
DCR 2015 With Project (051617)	30,110,663
Difference	<b>870,957</b>
Percent Difference	<b>3.0</b>
<b>Below Normal (17.1%)</b>	
DCR 2015 Without Project	33,465,942
DCR 2015 With Project (051617)	33,740,108
Difference	<b>274,166</b>
Percent Difference	<b>0.8</b>
<b>Dry (22%)</b>	
DCR 2015 Without Project	35,657,446
DCR 2015 With Project (051617)	36,072,396
Difference	<b>414,949</b>
Percent Difference	<b>1.2</b>
<b>Critical (14.6%)</b>	
DCR 2015 Without Project	35,117,542
DCR 2015 With Project (051617)	36,899,624
Difference	<b>1,782,083</b>
Percent Difference	<b>5.1</b>
<sup>1</sup> Based on the 80-year simulation period <sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD. <sup>3</sup> Relative difference of the annual average	



Table AQ-02-8a-2

Annual Production of Listed Life-stages for Fall-Run Chinook Salmon					
Long-term Average and Average by Water Year Type Annual Production					
Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
<b>Long-term</b>					
<b>Full Simulation Period<sup>1</sup></b>					
DCR 2015 Without Project	77,803,237	44,618,403	33,910,911	32,663,916	66,574,827
DCR 2015 With Project (051617)	78,274,991	45,025,504	34,310,885	32,993,417	67,304,302
Difference	471,754	407,101	399,973	329,501	729,475
Percent Difference <sup>3</sup>	0.6	0.9	1.2	1.0	1.1
<b>Water Year Types<sup>2</sup></b>					
<b>Wet (31.7%)</b>					
DCR 2015 Without Project	69,760,561	40,620,329	31,119,264	30,344,171	61,463,435
DCR 2015 With Project (051617)	67,239,504	39,927,226	30,551,537	29,765,635	60,317,171
Difference	-2,521,057	-693,103	-567,728	-578,536	-1,146,264
Percent Difference	-3.6	-1.7	-1.8	-1.9	-1.9
<b>Above Normal (14.6%)</b>					
DCR 2015 Without Project	70,896,206	39,563,140	30,196,996	29,239,704	59,436,700
DCR 2015 With Project (051617)	72,634,504	40,782,910	31,119,507	30,110,661	61,230,168
Difference	1,738,298	1,219,770	922,511	870,957	1,793,468
Percent Difference	2.5	3.1	3.1	3.0	3.0
<b>Below Normal (17.1%)</b>					
DCR 2015 Without Project	80,421,879	45,569,435	34,684,481	33,465,943	68,150,425
DCR 2015 With Project (051617)	81,458,792	45,739,124	34,992,476	33,740,114	68,732,590
Difference	1,036,912	169,689	307,995	274,170	582,165
Percent Difference	1.3	0.4	0.9	0.8	0.9
<b>Dry (22%)</b>					
DCR 2015 Without Project	86,974,532	49,173,977	37,172,370	35,657,449	72,829,819
DCR 2015 With Project (051617)	88,670,223	49,677,709	37,677,322	36,072,397	73,749,718
Difference	1,695,690	503,732	504,952	414,948	919,899
Percent Difference	1.9	1.0	1.4	1.2	1.3
<b>Critical (14.6%)</b>					
DCR 2015 Without Project	84,172,870	49,550,716	37,259,723	35,117,539	72,377,262
DCR 2015 With Project (051617)	87,578,337	51,796,403	39,270,774	36,899,626	76,170,400
Difference	3,405,467	2,245,687	2,011,051	1,782,086	3,793,138
Percent Difference	4.0	4.5	5.4	5.1	5.2
1 Based on the 80-year simulation period					
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.					
3 Relative difference of the annual average					

Figure AQ-02-8a

Annual Potential Production for Fall-Run Chinook Salmon

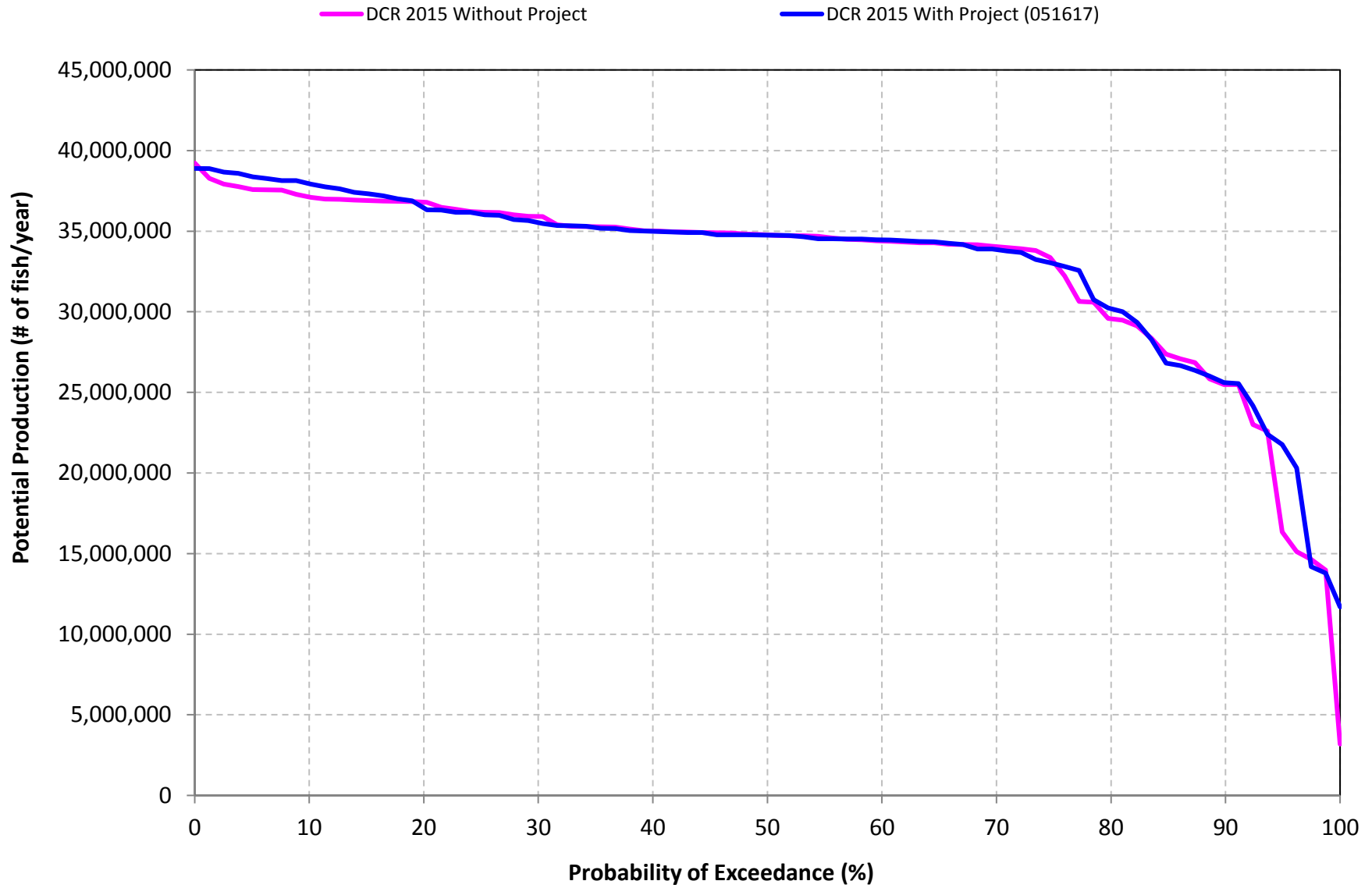


Table AQ-02-8b-1

<b>Annual Potential Production for LateFall-Run Chinook Salmon</b>	
<b>Long-term Average and Average by Water Year Type Annual Production</b>	
<b>Analysis Period</b>	<b>Annual Potential Production (# of Fish/year)</b>
<b>Long-term</b>	
<b>Full Simulation Period<sup>1</sup></b>	
DCR 2015 Without Project	7,942,822
DCR 2015 With Project (051617)	7,967,398
Difference	24,576
Percent Difference <sup>3</sup>	0.3
<b>Water Year Types<sup>2</sup></b>	
<b>Wet (31.7%)</b>	
DCR 2015 Without Project	7,653,405
DCR 2015 With Project (051617)	7,531,757
Difference	-121,648
Percent Difference	-1.6
<b>Above Normal (14.6%)</b>	
DCR 2015 Without Project	7,862,673
DCR 2015 With Project (051617)	7,926,092
Difference	63,419
Percent Difference	0.8
<b>Below Normal (17.1%)</b>	
DCR 2015 Without Project	8,186,535
DCR 2015 With Project (051617)	8,120,262
Difference	-66,273
Percent Difference	-0.8
<b>Dry (22%)</b>	
DCR 2015 Without Project	8,275,816
DCR 2015 With Project (051617)	8,323,874
Difference	48,059
Percent Difference	0.6
<b>Critical (14.6%)</b>	
DCR 2015 Without Project	7,852,860
DCR 2015 With Project (051617)	8,232,653
Difference	379,793
Percent Difference	4.8
<sup>1</sup> Based on the 80-year simulation period <sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD. <sup>3</sup> Relative difference of the annual average	

Table AQ-02-8b-2

Annual Production of Listed Life-stages for LateFall-Run Chinook Salmon					
Long-term Average and Average by Water Year Type Annual Production					
Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
<b>Long-term</b>					
<b>Full Simulation Period<sup>1</sup></b>					
DCR 2015 Without Project	16,882,193	11,167,565	8,408,372	7,942,822	16,351,194
DCR 2015 With Project (051617)	16,876,915	11,164,400	8,419,651	7,967,398	16,387,049
Difference	-5,277	-3,165	11,280	24,576	35,856
Percent Difference <sup>3</sup>	0.0	0.0	0.1	0.3	0.2
<b>Water Year Types<sup>2</sup></b>					
<b>Wet (31.7%)</b>					
DCR 2015 Without Project	15,135,984	10,503,544	7,898,711	7,653,405	15,552,115
DCR 2015 With Project (051617)	14,938,880	10,340,398	7,769,106	7,531,757	15,300,863
Difference	-197,103	-163,146	-129,605	-121,648	-251,253
Percent Difference	-1.3	-1.6	-1.6	-1.6	-1.6
<b>Above Normal (14.6%)</b>					
DCR 2015 Without Project	16,366,102	10,860,637	8,167,582	7,862,673	16,030,255
DCR 2015 With Project (051617)	16,374,603	10,983,392	8,235,093	7,926,092	16,161,185
Difference	8,501	122,755	67,511	63,419	130,930
Percent Difference	0.1	1.1	0.8	0.8	0.8
<b>Below Normal (17.1%)</b>					
DCR 2015 Without Project	17,644,235	11,381,473	8,606,333	8,186,535	16,792,868
DCR 2015 With Project (051617)	17,699,742	11,331,703	8,546,025	8,120,262	16,666,287
Difference	55,507	-49,770	-60,308	-66,273	-126,581
Percent Difference	0.3	-0.4	-0.7	-0.8	-0.8
<b>Dry (22%)</b>					
DCR 2015 Without Project	18,077,008	11,615,538	8,826,684	8,275,816	17,102,499
DCR 2015 With Project (051617)	18,155,236	11,705,190	8,869,482	8,323,874	17,193,356
Difference	78,228	89,651	42,798	48,059	90,857
Percent Difference	0.4	0.8	0.5	0.6	0.5
<b>Critical (14.6%)</b>					
DCR 2015 Without Project	18,414,449	11,940,527	8,854,873	7,852,860	16,707,733
DCR 2015 With Project (051617)	18,617,141	12,094,206	9,160,784	8,232,653	17,393,437
Difference	202,691	153,679	305,911	379,793	685,704
Percent Difference	1.1	1.3	3.5	4.8	4.1

<sup>1</sup> Based on the 80-year simulation period

<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

<sup>3</sup> Relative difference of the annual average

Figure AQ-02-8b

Annual Potential Production for LateFall-Run Chinook Salmon

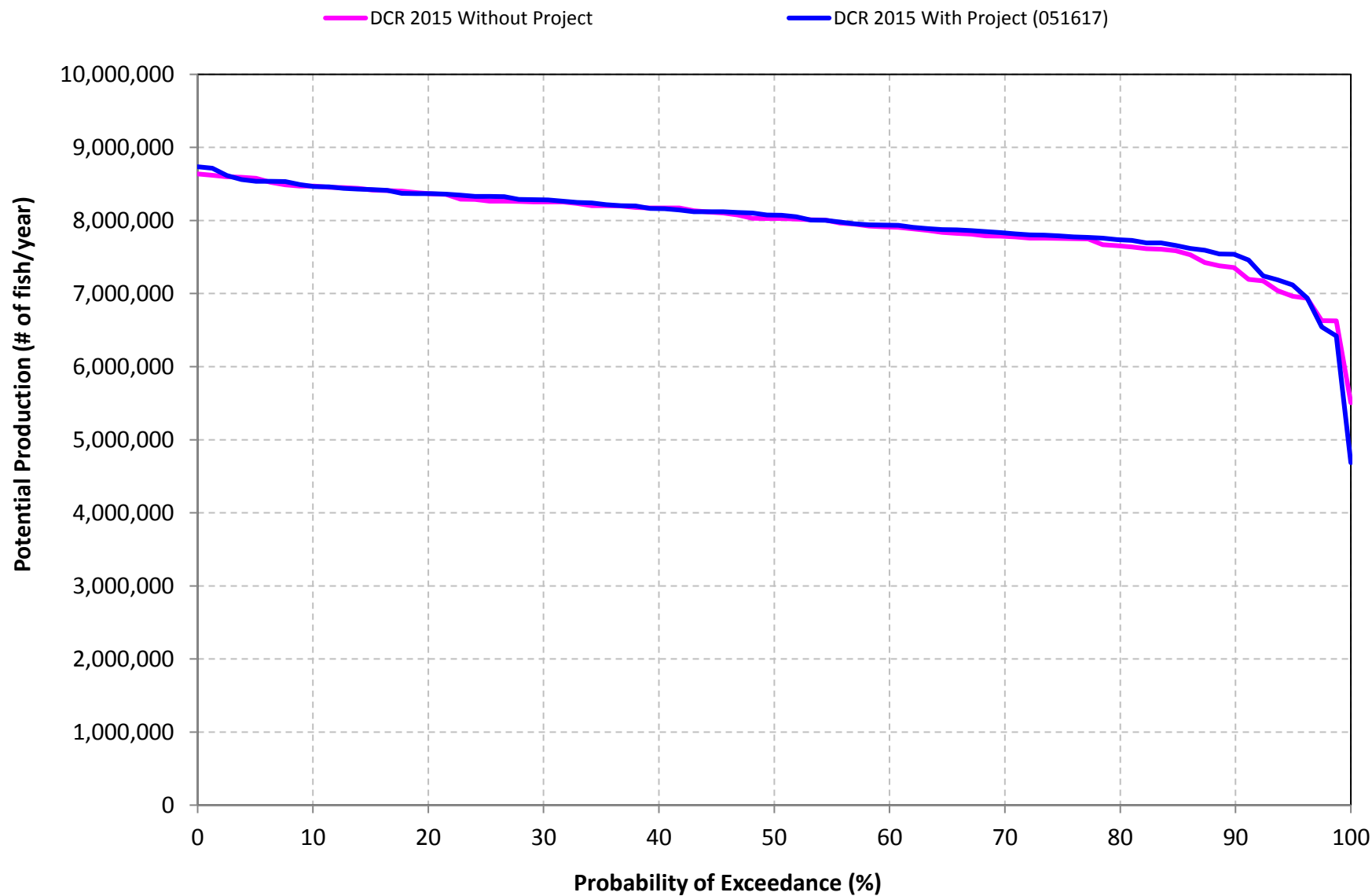


Table AQ-02-8d-1

Annual Potential Production for Spring-Run Chinook Salmon	
Long-term Average and Average by Water Year Type Annual Production	
Analysis Period	Annual Potential Production (# of Fish/year)
<b>Long-term</b>	
<b>Full Simulation Period<sup>1</sup></b>	
DCR 2015 Without Project	858,364
DCR 2015 With Project (051617)	883,808
Difference	25,445
Percent Difference <sup>3</sup>	3.0
<b>Water Year Types<sup>2</sup></b>	
<b>Wet (31.7%)</b>	
DCR 2015 Without Project	943,293
DCR 2015 With Project (051617)	943,286
Difference	-7
Percent Difference	0.0
<b>Above Normal (14.6%)</b>	
DCR 2015 Without Project	942,215
DCR 2015 With Project (051617)	939,371
Difference	-2,844
Percent Difference	-0.3
<b>Below Normal (17.1%)</b>	
DCR 2015 Without Project	917,698
DCR 2015 With Project (051617)	924,965
Difference	7,267
Percent Difference	0.8
<b>Dry (22%)</b>	
DCR 2015 Without Project	894,594
DCR 2015 With Project (051617)	922,840
Difference	28,246
Percent Difference	3.2
<b>Critical (14.6%)</b>	
DCR 2015 Without Project	476,936
DCR 2015 With Project (051617)	600,697
Difference	123,761
Percent Difference	25.9
1 Based on the 80-year simulation period	
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.	
3 Relative difference of the annual average	

Table AQ-02-8d-2

Annual Production of Listed Life-stages for Spring-Run Chinook Salmon					
Long-term Average and Average by Water Year Type Annual Production					
Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
<b>Long-term</b>					
<b>Full Simulation Period<sup>1</sup></b>					
DCR 2015 Without Project	1,391,233	1,158,474	860,081	858,364	1,718,445
DCR 2015 With Project (051617)	1,430,076	1,190,255	885,303	883,808	1,769,111
Difference	38,843	31,782	25,221	25,445	50,666
Percent Difference <sup>3</sup>	2.8	2.7	2.9	3.0	2.9
<b>Water Year Types<sup>2</sup></b>					
<b>Wet (31.7%)</b>					
DCR 2015 Without Project	1,516,434	1,265,416	944,328	943,293	1,887,621
DCR 2015 With Project (051617)	1,515,484	1,265,639	944,443	943,286	1,887,730
Difference	-950	223	115	-7	108
Percent Difference	-0.1	0.0	0.0	0.0	0.0
<b>Above Normal (14.6%)</b>					
DCR 2015 Without Project	1,525,966	1,265,682	943,484	942,215	1,885,699
DCR 2015 With Project (051617)	1,515,791	1,258,335	940,686	939,371	1,880,056
Difference	-10,175	-7,347	-2,798	-2,844	-5,642
Percent Difference	-0.7	-0.6	-0.3	-0.3	-0.3
<b>Below Normal (17.1%)</b>					
DCR 2015 Without Project	1,495,139	1,238,148	918,956	917,698	1,836,654
DCR 2015 With Project (051617)	1,504,900	1,243,144	925,893	924,965	1,850,858
Difference	9,761	4,997	6,937	7,267	14,204
Percent Difference	0.7	0.4	0.8	0.8	0.8
<b>Dry (22%)</b>					
DCR 2015 Without Project	1,462,556	1,217,483	896,539	894,594	1,791,133
DCR 2015 With Project (051617)	1,505,090	1,250,245	924,201	922,840	1,847,041
Difference	42,533	32,762	27,662	28,246	55,908
Percent Difference	2.9	2.7	3.1	3.2	3.1
<b>Critical (14.6%)</b>					
DCR 2015 Without Project	774,196	651,941	480,759	476,936	957,695
DCR 2015 With Project (051617)	972,892	817,828	603,937	600,697	1,204,634
Difference	198,696	165,887	123,177	123,761	246,938
Percent Difference	25.7	25.4	25.6	25.9	25.8
1 Based on the 80-year simulation period					
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.					
3 Relative difference of the annual average					

Figure AQ-02-8d

Annual Potential Production for Spring-Run Chinook Salmon

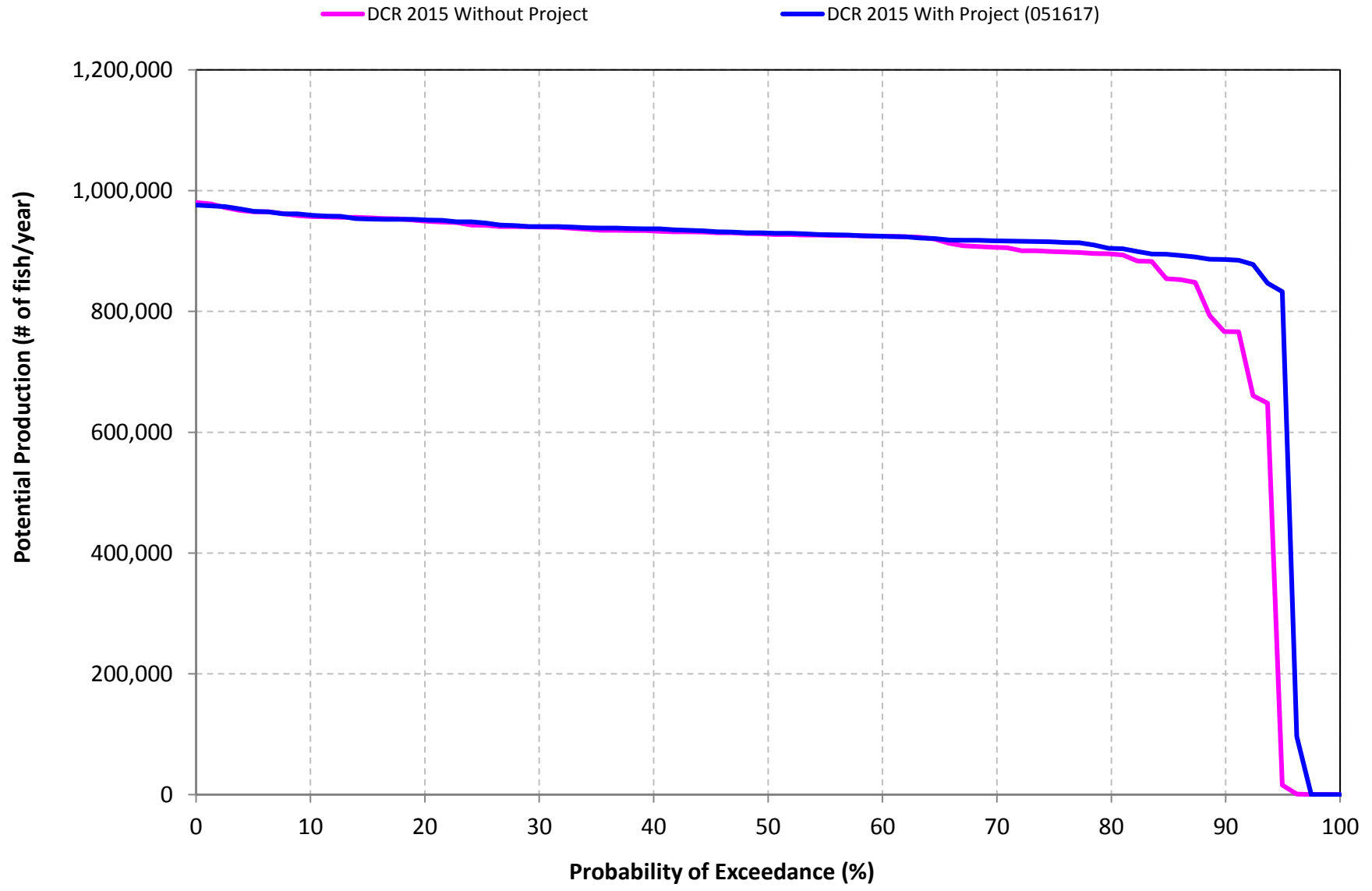




Table AQ-02-8c-1

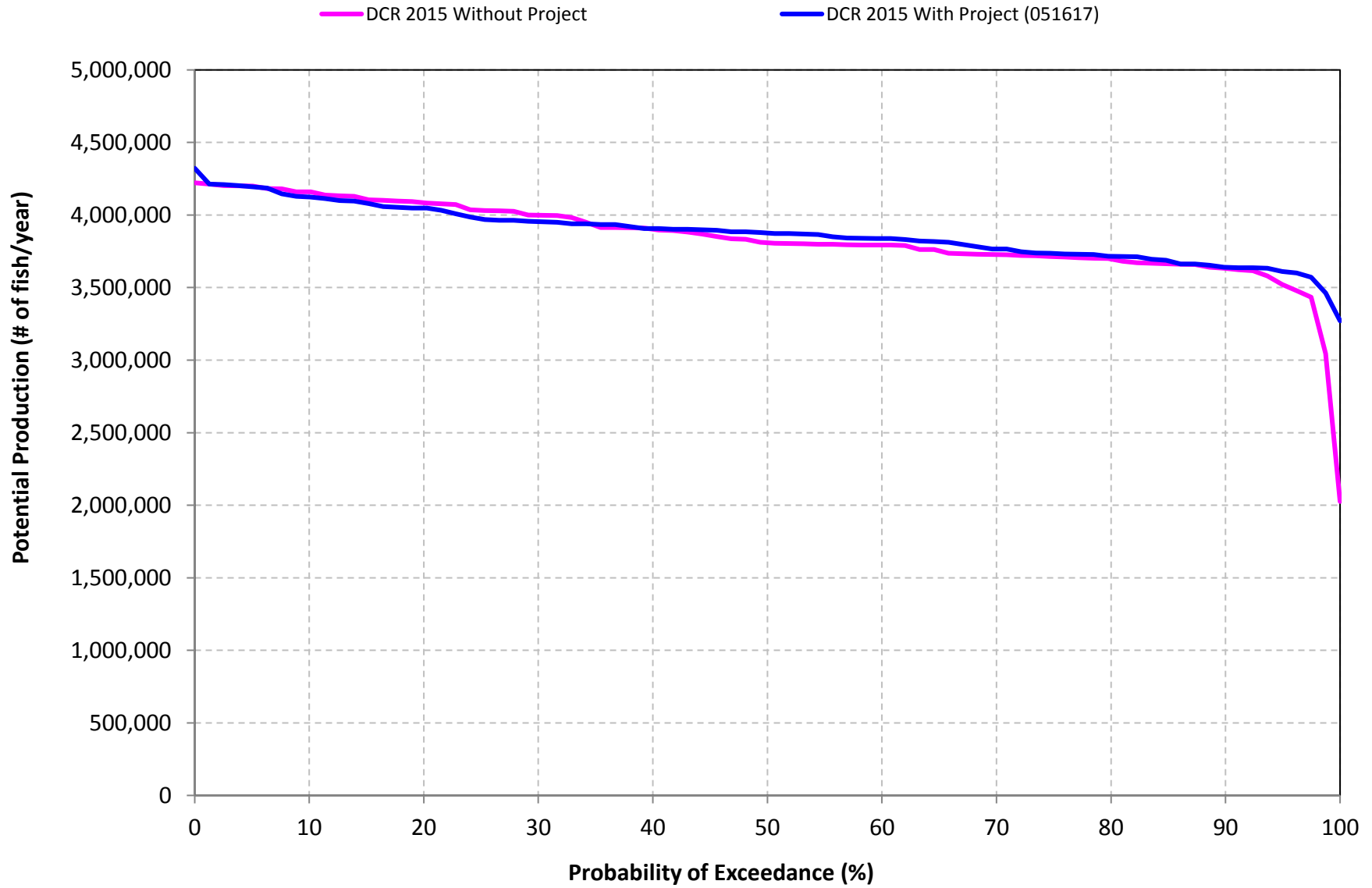
Annual Potential Production for Winter-Run Chinook Salmon	
Long-term Average and Average by Water Year Type Annual Production	
Analysis Period	Annual Potential Production (# of Fish/year)
<b>Long-term</b>	
<b>Full Simulation Period<sup>1</sup></b>	
DCR 2015 Without Project	3,838,180
DCR 2015 With Project (051617)	3,873,715
Difference	35,535
Percent Difference <sup>3</sup>	0.9
<b>Water Year Types<sup>2</sup></b>	
<b>Wet (31.7%)</b>	
DCR 2015 Without Project	3,722,904
DCR 2015 With Project (051617)	3,739,101
Difference	16,197
Percent Difference	0.4
<b>Above Normal (14.6%)</b>	
DCR 2015 Without Project	3,819,400
DCR 2015 With Project (051617)	3,869,508
Difference	50,109
Percent Difference	1.3
<b>Below Normal (17.1%)</b>	
DCR 2015 Without Project	3,931,343
DCR 2015 With Project (051617)	3,921,616
Difference	-9,728
Percent Difference	-0.2
<b>Dry (22%)</b>	
DCR 2015 Without Project	4,031,025
DCR 2015 With Project (051617)	3,983,576
Difference	-47,449
Percent Difference	-1.2
<b>Critical (14.6%)</b>	
DCR 2015 Without Project	3,723,269
DCR 2015 With Project (051617)	3,957,714
Difference	234,445
Percent Difference	6.3
<sup>1</sup> Based on the 80-year simulation period <sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD. <sup>3</sup> Relative difference of the annual average	

Table AQ-02-8c-2

Annual Production of Listed Life-stages for Winter-Run Chinook Salmon					
Long-term Average and Average by Water Year Type Annual Production					
Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
<b>Long-term</b>					
<b>Full Simulation Period<sup>1</sup></b>					
DCR 2015 Without Project	7,050,825	5,283,327	3,956,560	3,838,180	7,794,740
DCR 2015 With Project (051617)	7,124,753	5,317,736	3,987,282	3,873,715	7,860,997
Difference	73,928	34,410	30,721	35,535	66,257
Percent Difference <sup>3</sup>	1.0	0.7	0.8	0.9	0.9
<b>Water Year Types<sup>2</sup></b>					
<b>Wet (31.7%)</b>					
DCR 2015 Without Project	7,021,895	5,045,600	3,788,572	3,722,904	7,511,476
DCR 2015 With Project (051617)	7,034,337	5,061,366	3,806,329	3,739,101	7,545,430
Difference	12,443	15,766	17,757	16,197	33,954
Percent Difference	0.2	0.3	0.5	0.4	0.5
<b>Above Normal (14.6%)</b>					
DCR 2015 Without Project	7,032,327	5,218,753	3,903,816	3,819,400	7,723,215
DCR 2015 With Project (051617)	7,048,226	5,281,173	3,949,989	3,869,508	7,819,497
Difference	15,899	62,420	46,173	50,109	96,281
Percent Difference	0.2	1.2	1.2	1.3	1.2
<b>Below Normal (17.1%)</b>					
DCR 2015 Without Project	6,979,442	5,383,720	4,021,036	3,931,343	7,952,380
DCR 2015 With Project (051617)	7,042,296	5,371,137	4,007,215	3,921,616	7,928,831
Difference	62,854	-12,583	-13,821	-9,728	-23,549
Percent Difference	0.9	-0.2	-0.3	-0.2	-0.3
<b>Dry (22%)</b>					
DCR 2015 Without Project	7,111,812	5,542,021	4,172,395	4,031,025	8,203,420
DCR 2015 With Project (051617)	7,179,382	5,472,533	4,110,099	3,983,576	8,093,675
Difference	67,570	-69,487	-62,296	-47,449	-109,745
Percent Difference	1.0	-1.3	-1.5	-1.2	-1.3
<b>Critical (14.6%)</b>					
DCR 2015 Without Project	7,127,344	5,373,983	3,987,898	3,723,269	7,711,167
DCR 2015 With Project (051617)	7,409,610	5,625,125	4,216,285	3,957,714	8,173,999
Difference	282,267	251,142	228,388	234,445	462,832
Percent Difference	4.0	4.7	5.7	6.3	6.0
1 Based on the 80-year simulation period					
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.					
3 Relative difference of the annual average					

Figure AQ-02-8c

Annual Potential Production for Winter-Run Chinook Salmon



**Sacramento-San Joaquin Delta Modeling**  
Summary Tables, Bar Charts, Exceedance  
Probability Charts and Tables

---

Table SQ-01-a  
X2, Monthly Position

Analysis Period	Monthly Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term Average and Average by Water Year Type</b>												
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	88.0	82.2	77.5	68.0	62.9	64.5	66.8	71.7	79.2	83.7	89.5	83.4
DCR 2015 With Project	87.1	81.9	78.1	69.0	63.8	65.3	66.9	71.8	78.9	83.6	89.0	82.7
Difference	-0.9	-0.2	0.7	1.0	0.9	0.9	0.1	0.0	-0.3	-0.1	-0.4	-0.7
Percent Difference <sup>3</sup>	-1.0%	-0.3%	0.9%	1.5%	1.5%	1.3%	0.2%	0.1%	-0.3%	-0.2%	-0.5%	-0.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	80.9	72.2	75.1	57.1	55.3	56.9	58.1	61.1	70.1	78.4	86.5	68.7
DCR 2015 With Project	80.8	72.3	75.7	57.5	55.4	57.3	58.1	61.1	69.8	78.4	86.3	68.5
Difference	-0.1	0.1	0.6	0.4	0.1	0.3	-0.1	0.1	-0.3	0.0	-0.1	-0.2
Percent Difference	-0.1%	0.1%	0.8%	0.7%	0.2%	0.5%	-0.1%	0.1%	-0.4%	0.0%	-0.2%	-0.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	86.4	79.7	75.0	61.8	57.1	57.6	61.2	66.8	78.8	81.2	88.7	79.5
DCR 2015 With Project	85.8	79.7	76.5	62.7	57.6	58.5	61.5	66.9	78.7	81.1	88.2	79.1
Difference	-0.6	0.1	1.5	0.9	0.6	1.0	0.3	0.0	-0.1	-0.1	-0.5	-0.4
Percent Difference	-0.7%	0.1%	2.0%	1.4%	1.0%	1.7%	0.4%	0.0%	-0.1%	-0.1%	-0.5%	-0.5%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	90.1	85.2	74.9	70.5	62.3	66.5	67.0	72.7	81.7	83.6	89.5	91.1
DCR 2015 With Project	88.4	83.9	75.2	72.1	62.9	68.1	67.2	73.0	81.4	83.5	89.0	90.2
Difference	-1.6	-1.4	0.3	1.6	0.6	1.7	0.3	0.3	-0.3	-0.1	-0.5	-0.9
Percent Difference	-1.8%	-1.6%	0.4%	2.3%	0.9%	2.5%	0.4%	0.4%	-0.4%	-0.1%	-0.5%	-1.0%
<b>Dry (2%)</b>												
DCR 2015 Without Project	93.2	88.7	78.1	77.1	69.4	69.6	73.5	79.4	84.1	87.8	91.7	93.4
DCR 2015 With Project	91.8	88.5	79.0	78.1	70.9	71.1	73.8	79.2	84.1	87.6	90.8	91.9
Difference	-1.4	-0.2	0.9	1.1	1.6	1.5	0.3	-0.2	0.0	-0.2	-0.9	-1.5
Percent Difference	-1.5%	-0.2%	1.2%	1.4%	2.3%	2.1%	0.4%	-0.2%	0.0%	-0.3%	-1.0%	-1.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	94.8	92.9	87.0	81.0	76.1	77.6	81.0	87.1	88.9	91.8	93.3	94.9
DCR 2015 With Project	93.4	92.7	87.2	82.5	78.6	77.7	81.0	87.2	88.3	91.4	93.0	94.4
Difference	-1.4	-0.2	0.1	1.5	2.6	0.1	0.0	0.1	-0.6	-0.4	-0.3	-0.6
Percent Difference	-1.5%	-0.2%	0.1%	1.9%	3.4%	0.1%	0.0%	0.1%	-0.7%	-0.4%	-0.4%	-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



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

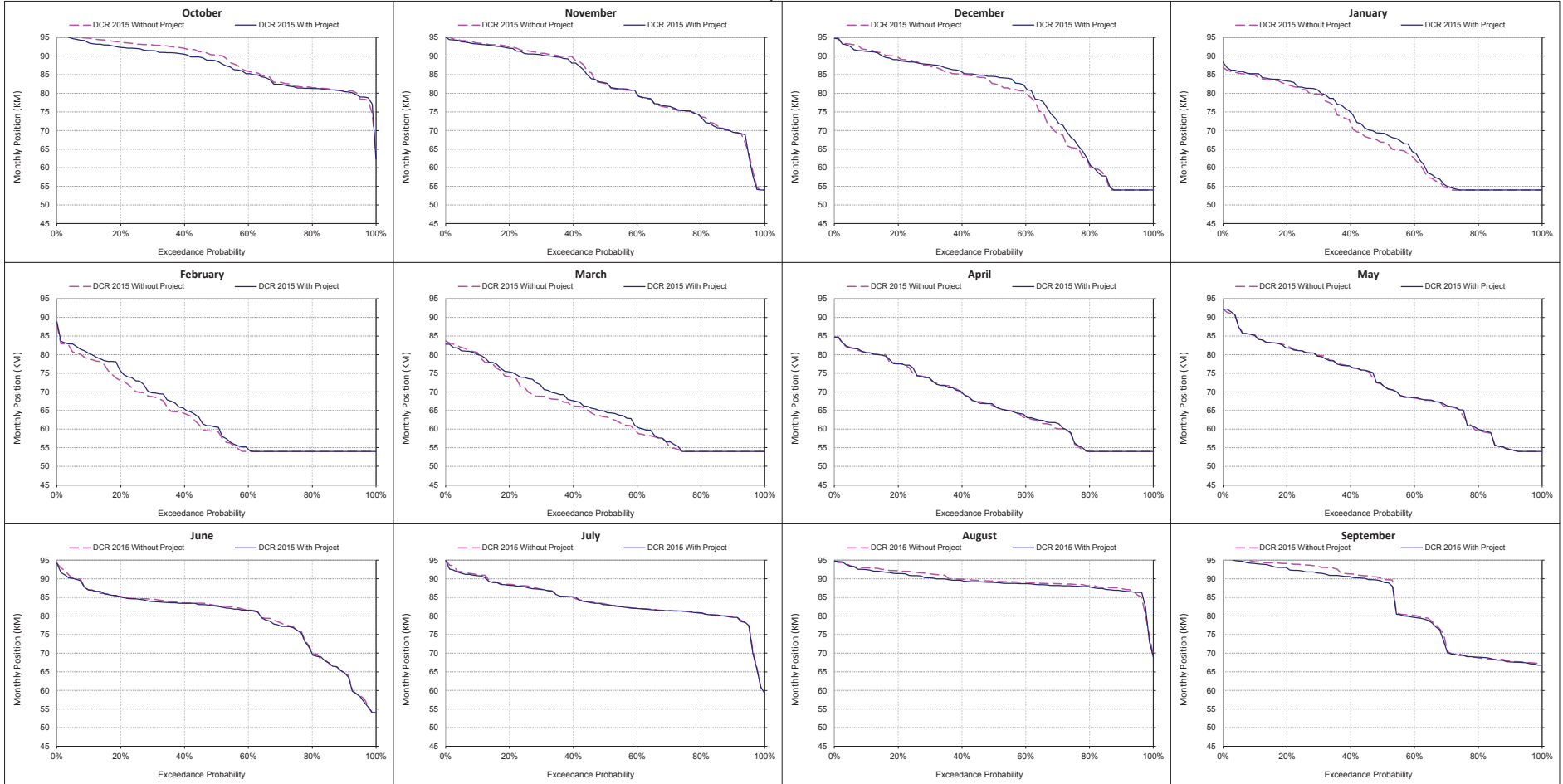


Table SQ-01-b

X2. Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	97.2	96.6	-0.6	-0.7%
1.2%	96.6	96.2	-0.4	-0.4%
2.5%	96.2	95.6	-0.6	-0.7%
3.7%	96.1	95.0	-1.0	-1.1%
4.9%	95.8	94.7	-1.1	-1.2%
6.2%	95.0	94.5	-0.5	-0.5%
7.4%	94.9	94.2	-0.7	-0.7%
8.6%	94.9	94.2	-0.7	-0.7%
9.9%	94.8	93.6	-1.3	-1.3%
11.1%	94.7	93.3	-1.4	-1.5%
12.3%	94.5	93.2	-1.3	-1.4%
13.6%	94.4	93.2	-1.2	-1.3%
14.8%	94.3	93.0	-1.3	-1.4%
16.0%	94.1	93.0	-1.1	-1.2%
17.3%	94.0	92.8	-1.2	-1.3%
18.5%	93.9	92.5	-1.4	-1.5%
19.8%	93.8	92.3	-1.5	-1.6%
21.0%	93.6	92.2	-1.4	-1.5%
22.2%	93.5	92.1	-1.4	-1.5%
23.5%	93.4	92.1	-1.3	-1.4%
24.7%	93.2	92.1	-1.1	-1.2%
25.9%	93.2	92.0	-1.2	-1.3%
27.2%	93.1	91.7	-1.5	-1.6%
28.4%	93.1	91.5	-1.6	-1.7%
29.6%	93.0	91.5	-1.6	-1.7%
30.9%	92.9	91.4	-1.5	-1.6%
32.1%	92.9	91.0	-1.9	-2.0%
33.3%	92.8	91.0	-1.8	-2.0%
34.6%	92.7	90.9	-1.8	-1.9%
35.8%	92.5	90.9	-1.6	-1.8%
37.0%	92.4	90.8	-1.6	-1.7%
38.3%	92.3	90.7	-1.6	-1.8%
39.5%	92.1	90.5	-1.6	-1.7%
40.7%	91.9	90.3	-1.6	-1.7%
42.0%	91.8	89.8	-2.0	-2.2%
43.2%	91.7	89.8	-2.0	-2.2%
44.4%	91.2	89.7	-1.5	-1.6%
45.7%	91.1	89.6	-1.5	-1.7%
46.9%	90.9	88.9	-1.9	-2.1%
48.1%	90.4	88.9	-1.5	-1.6%
49.4%	90.3	89.9	-1.4	-1.6%
50.6%	90.2	88.5	-1.7	-1.9%
51.9%	90.1	87.8	-2.3	-2.5%
53.1%	89.3	87.4	-2.0	-2.2%
54.3%	88.2	87.1	-1.2	-1.3%
55.6%	87.9	86.3	-1.5	-1.7%
56.8%	87.3	86.3	-1.0	-1.2%
58.0%	86.5	86.0	-0.5	-0.6%
59.3%	86.0	85.3	-0.7	-0.9%
60.5%	85.8	85.3	-0.5	-0.6%
61.7%	85.6	85.0	-0.6	-0.8%
63.0%	85.5	84.9	-0.5	-0.6%
64.2%	84.8	84.4	-0.4	-0.4%
65.4%	84.5	84.2	-0.3	-0.4%
66.7%	84.4	83.7	-0.7	-0.8%
67.9%	83.0	82.5	-0.5	-0.5%
69.1%	83.0	82.4	-0.5	-0.6%
70.4%	82.9	82.4	-0.5	-0.6%
71.6%	82.6	82.1	-0.4	-0.5%
72.8%	82.6	81.9	-0.7	-0.8%
74.1%	81.9	81.8	-0.2	-0.2%
75.3%	81.9	81.4	-0.5	-0.6%
76.5%	81.7	81.4	-0.3	-0.4%
77.8%	81.7	81.4	-0.3	-0.4%
79.0%	81.7	81.4	-0.3	-0.4%
80.2%	81.5	81.3	-0.2	-0.3%
81.5%	81.5	81.3	-0.2	-0.3%
82.7%	81.3	81.2	-0.1	-0.1%
84.0%	81.3	81.1	-0.2	-0.3%
85.2%	81.2	81.0	-0.2	-0.3%
86.4%	81.0	80.9	-0.1	-0.1%
87.7%	80.9	80.8	0.0	0.0%
88.9%	80.8	80.7	-0.1	-0.1%
90.1%	80.8	80.5	-0.3	-0.4%
91.4%	80.7	80.4	-0.4	-0.5%
92.6%	80.6	80.2	-0.5	-0.6%
93.8%	80.1	79.7	-0.5	-0.6%
95.1%	78.4	79.0	0.6	0.8%
96.3%	78.4	79.0	0.6	0.8%
97.5%	78.8	78.8	0.0	0.0%
98.8%	74.6	77.1	2.5	3.3%
100.0%	64.6	62.3	-2.3	-3.6%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	95.2	95.0	-0.2	-0.2%
1.2%	95.0	94.4	-0.6	-0.6%
2.5%	94.6	94.3	-0.3	-0.3%
3.7%	94.5	94.2	-0.3	-0.3%
4.9%	94.2	93.8	-0.3	-0.4%
6.2%	94.1	93.8	-0.4	-0.4%
7.4%	93.9	93.6	-0.3	-0.3%
8.6%	93.7	93.3	-0.5	-0.5%
9.9%	93.5	93.3	-0.2	-0.2%
11.1%	93.4	93.1	-0.3	-0.3%
12.3%	93.3	93.0	-0.3	-0.3%
13.6%	93.1	92.9	-0.2	-0.2%
14.8%	93.0	92.8	-0.3	-0.3%
16.0%	93.0	92.6	-0.4	-0.4%
17.3%	93.0	92.5	-0.4	-0.5%
18.5%	92.8	92.4	-0.4	-0.5%
19.8%	92.5	92.1	-0.3	-0.4%
21.0%	92.4	92.1	-0.4	-0.4%
22.2%	92.1	91.4	-0.8	-0.8%
23.5%	91.7	91.3	-0.4	-0.4%
24.7%	91.5	90.7	-0.8	-0.8%
25.9%	91.4	90.6	-0.8	-0.9%
27.2%	91.2	90.5	-0.7	-0.7%
28.4%	91.0	90.5	-0.6	-0.6%
29.6%	90.7	90.4	-0.3	-0.4%
30.9%	90.7	90.1	-0.6	-0.7%
32.1%	90.5	90.1	-0.4	-0.5%
33.3%	90.5	89.9	-0.5	-0.6%
34.6%	90.2	89.8	-0.4	-0.5%
35.8%	90.0	89.7	-0.3	-0.3%
37.0%	90.0	89.3	-0.6	-0.7%
38.3%	89.9	89.2	-0.7	-0.8%
39.5%	89.9	88.1	-1.8	-2.0%
40.7%	88.8	88.1	-0.7	-0.8%
42.0%	88.5	87.2	-1.3	-1.5%
43.2%	88.2	86.3	-1.9	-2.2%
44.4%	85.9	84.9	-0.9	-1.1%
45.7%	85.5	83.9	-1.5	-1.8%
46.9%	83.1	83.7	0.6	0.7%
48.1%	83.0	83.1	0.1	0.2%
49.4%	82.7	82.9	0.2	0.2%
50.6%	82.5	82.6	0.1	0.2%
51.9%	81.4	81.5	0.1	0.1%
53.1%	81.2	81.4	0.2	0.2%
54.3%	81.0	81.2	0.2	0.3%
55.6%	81.0	81.2	0.2	0.2%
56.8%	80.8	81.2	0.3	0.4%
58.0%	80.8	80.9	0.0	0.1%
59.3%	80.5	80.9	0.3	0.4%
60.5%	79.3	79.1	-0.1	-0.1%
61.7%	78.7	78.9	0.2	0.3%
63.0%	78.6	78.7	0.1	0.2%
64.2%	78.5	78.6	0.1	0.2%
65.4%	77.2	77.2	0.0	0.0%
66.7%	76.7	77.1	0.4	0.5%
67.9%	76.5	76.7	0.2	0.3%
69.1%	76.2	76.6	0.4	0.5%
70.4%	76.0	76.4	0.4	0.5%
71.6%	75.8	76.0	0.2	0.3%
72.8%	75.3	75.6	0.2	0.3%
74.1%	75.3	75.3	0.1	0.1%
75.3%	75.2	75.3	0.1	0.1%
76.5%	75.2	75.2	0.0	0.0%
77.8%	74.8	74.6	-0.2	-0.3%
79.0%	74.3	74.4	0.1	0.1%
80.2%	73.7	73.4	-0.2	-0.3%
81.5%	73.5	72.2	-1.3	-1.8%
82.7%	72.2	71.9	-0.3	-0.4%
84.0%	71.9	71.2	-0.7	-1.0%
85.2%	71.2	70.7	-0.5	-0.7%
86.4%	70.7	70.7	0.0	0.0%
87.7%	70.4	70.2	-0.2	-0.4%
88.9%	70.0	70.0	0.0	0.0%
90.1%	69.5	69.5	0.0	0.0%
91.4%	69.5	69.4	-0.1	-0.1%
92.6%	69.2	69.2	0.0	0.0%
93.8%	66.7	68.8	2.1	3.2%
95.1%	63.9	63.0	-0.9	-1.4%
96.3%	58.9	57.8	-1.0	-1.8%
97.5%	54.7	54.2	-0.5	-0.9%
98.8%	54.0	54.0	0.0	0.1%
100.0%	54.0	54.0	0.0	0.0%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	95.2	94.8	-0.4	-0.5%
1.2%	94.8	94.6	-0.2	-0.2%
2.5%	93.4	93.3	-0.2	-0.2%
3.7%	93.4	93.0	-0.3	-0.4%
4.9%	93.2	92.6	-0.6	-0.6%
6.2%	93.0	91.7	-1.3	-1.4%
7.4%	92.9	91.5	-1.4	-1.5%
8.6%	91.9	91.4	-0.5	-0.5%
9.9%	91.8	91.3	-0.5	-0.5%
11.1%	91.7	91.2	-0.5	-0.6%
12.3%	91.4	91.2	-0.2	-0.2%
13.6%	91.0	90.9	-0.2	-0.2%
14.8%	90.9	90.1	-0.7	-0.8%
16.0%	90.2	89.7	-0.5	-0.6%
17.3%	90.1	89.5	-0.6	-0.7%
18.5%	90.0	89.0	-1.0	-1.1%
19.8%	89.8	89.0	-0.8	-0.9%
21.0%	89.1	88.7	-0.4	-0.4%
22.2%	89.0	89.6	0.5	0.5%
23.5%	89.0	88.4	-0.6	-0.7%
24.7%	88.6	88.4	-0.3	-0.3%
25.9%	88.5	88.2	-0.3	-0.4%
27.2%	87.6	88.0	0.4	0.5%
28.4%	87.6	88.7	1.0	1.1%
29.6%	87.4	87.8	0.4	0.4%
30.9%	87.0	87.6	0.6	0.7%
32.1%	86.9	87.5	0.7	0.8%
33.3%	86.5	87.3	0.8	1.0%
34.6%	85.8	86.9	1.1	1.2%
35.8%	85.7	86.6	0.9	1.1%
37.0%	85.3	86.3	1.1	1.2%
38.3%	85.2	86.3	1.1	1.3%
39.5%	85.2	86.0	0.8	1.0%
40.7%	84.9	85.3	0.3	0.4%
42.0%	84.9	85.2	0.4	0.4%
43.2%	84.7	85.5	0.8	0.9%
44.4%	84.4	85.0	0.6	0.7%
45.7%	84.3	84.9	0.6	0.7%
46.9%	84.2	84.6	0.6	0.8%
48.1%	83.9	84.6	0.7	0.8%
49.4%	82.7	84.6	1.9	2.3%
50.6%	82.4	84.5	2.0	2.5%
51.9%	82.2	84.5	2.0	2.4%
53.1%	81.5	84.1	2.6	3.2%
54.3%	81.4	84.1	2.6	3.2%
55.6%	81.0	83.9	2.9	3.5%
56.8%	81.0	82.7	1.7	2.1%
58.0%	80.7	82.6	1.9	2.4%
59.3%	80.6	82.3	1.7	2.0%
60.5%	79.6	80.9	1.3	1.6%
61.7%	78.7	80.8	2.1	2.6%
63.0%	77.7	78.4	0.7	0.9%
64.2%	75.1	78.3	3.1	4.2%
65.4%	75.0	77.7	2.7	3.6%
66.7%	72.1	76.1	4.0	5.5%
67.9%	70.9	74.5	3.6	5.1%
69.1%	69.8	73.5	3.7	5.3%
70.4%	69.0	71.8	2.8	4.1%
71.6%	68.8	71.4	2.6	3.8%
72.8%	66.0	69.6	3.7	5.6%
74.1%	65.5	68.2	2.7	4.1%
75.3%	65.3	67.3	2.0	3.1%
76.5%	65.2	65.8	0.6	0.9%
77.8%	62.9	64.5	1.6	2.6%
79.0%	62.7	62.8	0.2	0.2%
80.2%	60.0	60.6	0.6	1.0%
81.5%	59.8	59.8	0.0	0.0%
82.7%	59.6	59.6	-0.9	-1.6%
84.0%	58.8	57.8	-1.0	-1.7%
85.2%	57.2	57.7	0.6	1.0%
86.4%	54.0	54.7	0.7	1.3%
87.7%	54.0	54.0	0.0	0.0%
88.9%	54.0	54.0	0.0	0.0%
90.1%	54.0	54.0	0.0	0.0%
91.4%	54.0	54.0	0.0	0.0%
92.6%	54.0	54.0	0.0	0.0%
93.8%	54.0	54.0	0.0	0.0%
95.1%	54.0	54.0	0.0	0.0%
96.3%	54.0	54.0	0.0	0.0%
97.5%	54.0	54.0	0.0	0.0%
98.8%	54.0	54.0	0.0	0.0%

Table SQ-01-b

X2. Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	85.0	88.8	0.8	0.9%
1.2%	82.9	83.6	0.7	0.8%
2.5%	82.9	83.2	0.3	0.3%
3.7%	82.5	82.9	0.4	0.5%
4.9%	80.7	82.9	2.2	2.7%
6.2%	80.5	82.2	1.7	2.1%
7.4%	80.1	81.5	1.4	1.7%
8.6%	79.3	81.1	1.8	2.2%
9.9%	78.8	80.4	1.6	2.0%
11.1%	78.6	79.9	1.3	1.6%
12.3%	78.3	79.3	1.0	1.3%
13.6%	78.1	78.9	0.7	0.9%
14.8%	77.3	78.4	1.1	1.4%
16.0%	75.7	78.2	2.5	3.3%
17.3%	74.7	78.2	3.5	4.7%
18.5%	73.7	78.1	4.4	6.0%
19.8%	73.1	75.8	2.7	3.7%
21.0%	72.8	74.6	1.8	2.5%
22.2%	72.0	74.1	2.0	2.8%
23.5%	71.1	73.8	2.7	3.8%
24.7%	70.1	73.0	2.9	4.2%
25.9%	69.9	72.9	3.0	4.4%
27.2%	69.8	72.1	2.3	3.3%
28.4%	69.9	70.3	0.4	2.0%
29.6%	68.8	69.7	0.9	1.4%
30.9%	68.5	69.7	1.2	1.7%
32.1%	68.1	69.4	1.3	1.9%
33.3%	67.6	69.4	1.8	2.7%
34.6%	65.9	67.8	2.0	3.0%
35.8%	64.8	67.5	2.7	4.2%
37.0%	64.7	67.0	2.3	3.6%
38.3%	64.7	65.9	1.2	1.9%
39.5%	64.4	65.7	1.3	2.0%
40.7%	63.9	64.9	0.9	1.5%
42.0%	63.5	64.6	1.2	1.9%
43.2%	63.2	64.0	0.7	2.7%
44.4%	61.3	63.2	1.9	3.1%
45.7%	59.8	61.4	1.6	2.7%
46.9%	59.6	60.9	1.4	2.3%
48.1%	59.5	60.9	1.4	2.3%
49.4%	59.4	60.6	1.3	2.1%
50.6%	59.2	60.5	1.3	2.2%
51.9%	57.4	58.0	0.6	1.0%
53.1%	56.4	57.4	1.0	1.8%
54.3%	56.3	56.5	0.2	0.4%
55.6%	55.3	55.9	0.6	1.1%
56.8%	54.7	55.5	0.8	1.5%
58.0%	54.0	55.2	1.2	2.2%
59.3%	54.0	55.2	1.2	2.2%
60.5%	54.0	54.2	0.2	0.3%
61.7%	54.0	54.0	0.0	0.0%
63.0%	54.0	54.0	0.0	0.0%
64.2%	54.0	54.0	0.0	0.0%
65.4%	54.0	54.0	0.0	0.0%
66.7%	54.0	54.0	0.0	0.0%
67.9%	54.0	54.0	0.0	0.0%
69.1%	54.0	54.0	0.0	0.0%
70.4%	54.0	54.0	0.0	0.0%
71.6%	54.0	54.0	0.0	0.0%
72.8%	54.0	54.0	0.0	0.0%
74.1%	54.0	54.0	0.0	0.0%
75.3%	54.0	54.0	0.0	0.0%
76.5%	54.0	54.0	0.0	0.0%
77.8%	54.0	54.0	0.0	0.0%
79.0%	54.0	54.0	0.0	0.0%
80.2%	54.0	54.0	0.0	0.0%
81.5%	54.0	54.0	0.0	0.0%
82.7%	54.0	54.0	0.0	0.0%
84.0%	54.0	54.0	0.0	0.0%
85.2%	54.0	54.0	0.0	0.0%
86.4%	54.0	54.0	0.0	0.0%
87.7%	54.0	54.0	0.0	0.0%
88.9%	54.0	54.0	0.0	0.0%
90.1%	54.0	54.0	0.0	0.0%
91.4%	54.0	54.0	0.0	0.0%
92.6%	54.0	54.0	0.0	0.0%
93.8%	54.0	54.0	0.0	0.0%
95.1%	54.0	54.0	0.0	0.0%
96.3%	54.0	54.0	0.0	0.0%
97.5%	54.0	54.0	0.0	0.0%
98.8%	54.0	54.0	0.0	0.0%
100.0%	54.0	54.0	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	83.7	82.8	-0.9	-1.1%
1.2%	83.1	82.8	-0.3	-0.4%
2.5%	82.8	81.9	-0.9	-1.1%
3.7%	82.4	81.8	-0.6	-0.7%
4.9%	81.9	81.0	-0.9	-1.1%
6.2%	81.6	81.0	-0.7	-0.8%
7.4%	81.1	80.9	-0.2	-0.2%
8.6%	80.8	80.6	-0.2	-0.2%
9.9%	80.6	80.1	-0.5	-0.6%
11.1%	79.0	79.7	0.8	1.0%
12.3%	77.9	79.1	1.1	1.5%
13.6%	77.9	77.9	0.1	0.1%
14.8%	77.4	77.9	0.5	0.6%
16.0%	76.3	77.4	1.0	1.3%
17.3%	75.7	76.3	0.6	0.8%
18.5%	74.3	75.5	1.2	1.7%
19.8%	74.1	75.4	1.3	1.7%
21.0%	73.9	75.1	1.3	1.7%
22.2%	73.5	74.6	1.2	1.6%
23.5%	71.4	73.9	2.5	3.5%
24.7%	71.2	73.9	2.7	3.8%
25.9%	69.9	73.5	3.6	5.2%
27.2%	69.3	73.4	4.0	5.8%
28.4%	68.8	72.4	3.6	5.2%
29.6%	68.8	72.0	3.2	4.6%
30.9%	68.5	70.6	1.8	2.6%
32.1%	68.3	70.4	2.1	3.1%
33.3%	68.1	69.8	1.8	2.6%
34.6%	68.0	69.6	1.6	2.4%
35.8%	67.8	69.3	1.3	2.0%
37.0%	67.2	69.2	2.0	3.0%
38.3%	67.2	68.0	0.8	1.2%
39.5%	66.1	67.7	1.6	2.4%
40.7%	66.1	67.5	1.4	2.1%
42.0%	66.1	67.2	1.1	1.7%
43.2%	65.8	66.2	0.4	0.6%
44.4%	65.1	66.1	1.0	1.6%
45.7%	64.3	65.6	1.3	2.0%
46.9%	63.8	65.4	1.6	2.5%
48.1%	63.8	65.0	1.3	2.1%
49.4%	63.3	64.9	1.6	2.5%
50.6%	63.2	64.4	1.2	1.9%
51.9%	62.7	64.3	1.6	2.5%
53.1%	62.4	64.2	1.8	2.9%
54.3%	61.9	63.8	1.9	3.1%
55.6%	61.1	63.6	2.5	4.0%
56.8%	61.0	62.9	1.9	3.1%
58.0%	60.9	62.8	1.9	3.2%
59.3%	59.7	61.1	1.4	2.3%
60.5%	58.7	60.3	1.6	2.7%
61.7%	58.5	60.0	1.4	2.5%
63.0%	58.2	59.7	1.5	2.6%
64.2%	58.2	59.7	1.5	2.6%
65.4%	57.9	58.2	0.3	0.5%
66.7%	57.6	57.6	0.0	0.1%
67.9%	57.6	57.6	0.0	-0.1%
69.1%	56.5	56.6	0.0	0.1%
70.4%	55.0	56.6	1.6	2.9%
71.6%	54.9	55.8	1.0	1.8%
72.8%	54.6	55.4	0.9	1.6%
74.1%	54.0	54.0	0.0	0.0%
75.3%	54.0	54.0	0.0	0.0%
76.5%	54.0	54.0	0.0	0.0%
77.8%	54.0	54.0	0.0	0.0%
79.0%	54.0	54.0	0.0	0.0%
80.2%	54.0	54.0	0.0	0.0%
81.5%	54.0	54.0	0.0	0.0%
82.7%	54.0	54.0	0.0	0.0%
84.0%	54.0	54.0	0.0	0.0%
85.2%	54.0	54.0	0.0	0.0%
86.4%	54.0	54.0	0.0	0.0%
87.7%	54.0	54.0	0.0	0.0%
88.9%	54.0	54.0	0.0	0.0%
90.1%	54.0	54.0	0.0	0.0%
91.4%	54.0	54.0	0.0	0.0%
92.6%	54.0	54.0	0.0	0.0%
93.8%	54.0	54.0	0.0	0.0%
95.1%	54.0	54.0	0.0	0.0%
96.3%	54.0	54.0	0.0	0.0%
97.5%	54.0	54.0	0.0	0.0%
98.8%	54.0	54.0	0.0	0.0%
100.0%	54.0	54.0	0.0	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	84.7	84.7	0.0	0.0%
1.2%	84.6	84.7	0.2	0.2%
2.5%	83.2	83.2	0.1	0.1%
3.7%	82.4	82.4	0.3	0.3%
4.9%	82.0	81.8	-0.2	-0.2%
6.2%	81.6	81.6	0.1	0.1%
7.4%	81.1	81.5	0.4	0.5%
8.6%	80.8	80.9	0.1	0.1%
9.9%	80.6	80.6	-0.1	-0.1%
11.1%	80.5	80.5	0.0	0.0%
12.3%	80.1	80.1	0.0	0.0%
13.6%	80.0	80.0	0.0	0.0%
14.8%	80.0	79.9	-0.1	-0.2%
16.0%	80.0	79.6	-0.4	-0.5%
17.3%	78.0	78.7	0.7	0.9%
18.5%	77.8	77.5	-0.2	-0.3%
19.8%	77.6	77.5	-0.1	-0.1%
21.0%	77.5	77.5	0.0	0.0%
22.2%	77.1	77.1	0.0	0.0%
23.5%	76.5	77.1	0.6	0.8%
24.7%	74.9	76.4	1.6	2.1%
25.9%	74.3	74.4	0.1	0.1%
27.2%	74.3	74.1	-0.2	-0.3%
28.4%	74.1	73.8	-0.3	-0.3%
29.6%	73.9	73.8	-0.1	-0.1%
30.9%	72.7	72.8	0.1	0.2%
32.1%	72.3	72.0	-0.3	-0.4%
33.3%	71.7	71.8	0.0	0.0%
34.6%	71.7	71.7	0.0	0.0%
35.8%	71.1	71.1	-0.5	-0.8%
37.0%	71.1	71.1	0.0	0.0%
38.3%	70.8	70.4	-0.4	-0.6%
39.5%	70.1	70.2	0.2	0.3%
40.7%	68.9	69.2	0.2	0.3%
42.0%	68.7	68.8	0.1	0.1%
43.2%	67.7	67.8	0.1	0.2%
44.4%	67.4	67.4	0.0	0.0%
45.7%	67.4	66.9	-0.5	-0.7%
46.9%	66.9	66.9	0.0	0.0%
48.1%	66.8	66.9	0.0	0.1%
49.4%	66.4	66.8	0.4	0.6%
50.6%	65.9	66.0	0.0	0.1%
51.9%	65.4	65.5	0.1	0.2%
53.1%	65.2	65.2	0.0	0.0%
54.3%	65.0	65.0	0.0	0.0%
55.6%	64.9	64.8	0.0	-0.1%
56.8%	64.3	64.4	0.1	0.1%
58.0%	64.0	64.2	0.2	0.2%
59.3%	63.1	64.0	0.9	1.4%
60.5%	63.0	63.0	0.0	0.1%
61.7%	62.6	63.0	0.4	0.6%
63.0%	62.5	62.7	0.2	0.4%
64.2%	61.9	62.4	0.5	0.9%
65.4%	61.4	62.3	0.9	1.4%
66.7%	61.4	61.9	0.5	0.8%
67.9%	61.2	61.8	0.6	1.0%
69.1%	60.3	61.7	1.5	2.4%
70.4%	60.0	61.4	1.4	2.3%
71.6%	60.0	60.3	0.3	0.4%
72.8%	59.8	59.8	0.0	0.0%
74.1%	58.9	59.0	0.0	0.1%
75.3%	58.9	58.3	0.4	0.7%
76.5%	55.3	55.5	0.2	0.4%
77.8%	54.3	55.0	0.7	1.2%
79.0%	54.1	54.1	0.0	0.0%
80.2%	54.0	54.0	0.0	0.0%
81.5%	54.0	54.0	0.0	0.0%
82.7%	54.0	54.0	0.0	0.0%
84.0%	54.0	54.0	0.0	0.0%
85.2%	54.0	54.0	0.0	0.0%
86.4%	54.0	54.0	0.0	0.0%
87.7%	54.0	54.0	0.0	0.0%
88.9%	54.0	54.0	0.0	0.0%
90.1%	54.0	54.0	0.0	0.0%
91.4%	54.0	54.0	0.0	0.0%
92.6%	54.0	54.0	0.0	0.0%
93.8%	54.0	54.0	0.0	0.0%
95.1%	54.0	54.0	0.0	0.0%
96.3%	54.0	54.0	0.0	0.0%
97.5%	54.0	54.0	0.0	0.0%
98.8%	54.0	54.0	0.0	0.0%



Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

Percent Exceedance Probability (%)	June			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	94.2	94.2	0.0	0.0%
1.2%	92.9	91.7	-1.2	-1.3%
2.5%	92.2	91.0	-1.2	-1.3%
3.7%	91.1	90.3	-0.8	-0.9%
4.9%	90.1	90.1	0.0	0.0%
6.2%	90.1	89.8	-0.2	-0.3%
7.4%	89.9	89.5	-0.4	-0.4%
8.6%	87.7	87.7	0.0	0.0%
9.9%	87.0	87.0	-0.1	-0.1%
11.1%	86.9	86.9	0.0	0.0%
12.3%	86.3	86.6	0.3	0.4%
13.6%	86.1	86.6	0.5	0.6%
14.8%	86.0	86.0	0.0	0.0%
16.0%	85.9	85.8	-0.1	-0.1%
17.3%	85.6	85.6	0.0	0.0%
18.5%	85.3	85.5	0.2	0.3%
19.8%	85.3	85.1	-0.2	-0.2%
21.0%	85.1	84.9	-0.2	-0.2%
22.2%	84.9	84.7	-0.1	-0.1%
23.5%	84.7	84.6	-0.1	-0.1%
24.7%	84.7	84.6	-0.1	-0.1%
25.9%	84.6	84.5	-0.2	-0.2%
27.2%	84.6	84.4	-0.3	-0.3%
28.4%	84.6	84.1	-0.5	-0.6%
29.6%	84.6	83.9	-0.7	-0.8%
30.9%	84.5	83.8	-0.6	-0.7%
32.1%	84.3	83.7	-0.5	-0.6%
33.3%	84.1	83.7	-0.4	-0.5%
34.6%	83.9	83.6	-0.3	-0.3%
35.8%	83.8	83.6	-0.3	-0.3%
37.0%	83.8	83.5	-0.2	-0.3%
38.3%	83.6	83.4	-0.2	-0.2%
39.5%	83.5	83.4	-0.1	-0.1%
40.7%	83.4	83.4	0.0	0.0%
42.0%	83.4	83.4	0.0	0.0%
43.2%	83.4	83.4	-0.1	-0.1%
44.4%	83.4	83.1	-0.3	-0.4%
45.7%	83.4	83.1	-0.3	-0.4%
46.9%	83.3	83.0	-0.4	-0.5%
48.1%	83.1	82.8	-0.2	-0.3%
49.4%	82.9	82.7	-0.2	-0.2%
50.6%	82.8	82.5	-0.3	-0.3%
51.9%	82.7	82.3	-0.4	-0.5%
53.1%	82.6	82.1	-0.4	-0.5%
54.3%	82.5	82.0	-0.5	-0.6%
55.6%	82.3	81.9	-0.5	-0.6%
56.8%	82.2	81.9	-0.3	-0.4%
58.0%	81.9	81.6	-0.3	-0.4%
59.3%	81.6	81.5	-0.1	-0.1%
60.5%	81.5	81.5	0.0	0.0%
61.7%	81.5	81.3	-0.2	-0.3%
63.0%	81.1	81.1	0.0	0.0%
64.2%	79.6	79.5	-0.1	-0.1%
65.4%	79.4	78.9	-0.4	-0.5%
66.7%	79.4	78.6	-0.7	-0.9%
67.9%	78.9	77.8	-1.1	-1.4%
69.1%	78.5	77.6	-0.9	-1.1%
70.4%	78.0	77.2	-0.8	-1.0%
71.6%	77.6	77.2	-0.4	-0.5%
72.8%	77.4	77.1	-0.3	-0.3%
74.1%	77.0	76.8	-0.2	-0.3%
75.3%	76.0	76.1	0.2	0.2%
76.5%	75.9	75.4	-0.5	-0.6%
77.8%	73.4	73.1	-0.3	-0.5%
79.0%	71.9	71.7	-0.3	-0.4%
80.2%	69.8	69.5	-0.3	-0.4%
81.5%	69.8	69.2	-0.6	-0.8%
82.7%	68.3	69.0	0.7	1.0%
84.0%	68.2	67.9	-0.3	-0.4%
85.2%	67.3	67.4	0.1	0.1%
86.4%	66.5	66.5	0.0	0.0%
87.7%	66.4	66.4	0.0	0.0%
88.9%	65.4	65.4	0.0	0.0%
90.1%	64.7	64.7	0.1	0.1%
91.4%	64.1	63.5	-0.6	-0.8%
92.6%	59.9	59.8	-0.1	-0.1%
93.8%	59.1	59.1	0.0	0.0%
95.1%	58.5	58.3	-0.2	-0.4%
96.3%	57.7	56.8	-0.9	-1.6%
97.5%	56.8	55.5	-1.3	-2.5%
98.8%	54.0	54.0	0.0	0.0%
100.0%	54.0	54.0	0.0	0.0%

Percent Exceedance Probability (%)	July			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	95.0	94.9	-0.1	-0.1%
1.2%	93.6	92.6	-1.0	-1.1%
2.5%	93.5	92.3	-1.2	-1.2%
3.7%	92.0	91.8	-0.2	-0.2%
4.9%	91.9	91.5	-0.4	-0.4%
6.2%	91.6	91.2	-0.4	-0.4%
7.4%	91.4	91.2	-0.3	-0.3%
8.6%	91.3	91.0	-0.3	-0.4%
9.9%	91.1	90.8	-0.3	-0.3%
11.1%	91.0	90.8	-0.2	-0.2%
12.3%	90.9	90.3	-0.7	-0.8%
13.6%	89.6	89.2	-0.4	-0.5%
14.8%	89.2	89.0	-0.2	-0.2%
16.0%	89.1	89.0	-0.1	-0.2%
17.3%	88.6	88.5	-0.2	-0.2%
18.5%	88.5	88.4	-0.1	-0.2%
19.8%	88.5	88.3	-0.2	-0.3%
21.0%	88.5	88.2	-0.3	-0.3%
22.2%	88.2	88.0	-0.2	-0.2%
23.5%	88.1	88.0	-0.1	-0.2%
24.7%	88.1	87.8	-0.3	-0.4%
25.9%	88.0	87.6	-0.4	-0.5%
27.2%	87.8	87.3	-0.5	-0.6%
28.4%	87.5	87.3	-0.2	-0.3%
29.6%	87.2	87.2	0.0	0.0%
30.9%	87.1	87.0	-0.1	-0.1%
32.1%	86.9	86.8	-0.1	-0.1%
33.3%	86.7	86.7	0.0	0.0%
34.6%	85.8	85.8	0.0	-0.1%
35.8%	85.3	85.3	0.1	0.1%
37.0%	85.3	85.3	0.0	0.0%
38.3%	85.2	85.2	0.0	0.0%
39.5%	85.1	85.2	0.1	0.1%
40.7%	84.6	85.1	0.4	0.5%
42.0%	84.3	84.2	-0.1	-0.1%
43.2%	84.2	83.9	-0.2	-0.3%
44.4%	83.8	83.8	-0.1	-0.1%
45.7%	83.8	83.6	-0.3	-0.3%
46.9%	83.5	83.4	-0.1	-0.1%
48.1%	83.4	83.4	0.0	0.0%
49.4%	83.4	83.0	-0.3	-0.4%
50.6%	83.1	83.0	-0.1	-0.1%
51.9%	83.0	82.9	-0.1	-0.1%
53.1%	82.8	82.6	-0.2	-0.3%
54.3%	82.6	82.6	0.0	0.0%
55.6%	82.5	82.4	-0.1	-0.1%
56.8%	82.3	82.3	0.0	0.0%
58.0%	82.2	82.2	-0.1	-0.1%
59.3%	82.1	82.1	0.0	0.0%
60.5%	82.1	82.0	-0.1	-0.1%
61.7%	82.0	81.9	-0.1	-0.1%
63.0%	81.9	81.8	0.0	0.0%
64.2%	81.8	81.7	-0.1	-0.1%
65.4%	81.8	81.6	-0.2	-0.2%
66.7%	81.6	81.5	-0.1	-0.1%
67.9%	81.5	81.5	0.0	0.0%
69.1%	81.4	81.4	0.0	0.0%
70.4%	81.4	81.4	0.0	0.0%
71.6%	81.4	81.3	0.0	0.0%
72.8%	81.4	81.3	0.0	0.0%
74.1%	81.3	81.3	0.1	0.1%
75.3%	81.3	81.3	0.0	0.0%
76.5%	81.0	81.2	0.2	0.2%
77.8%	81.0	80.9	-0.1	-0.1%
79.0%	80.8	80.9	0.1	0.1%
80.2%	80.8	80.9	0.1	0.1%
81.5%	80.5	80.5	0.0	0.0%
82.7%	80.4	80.3	-0.1	-0.1%
84.0%	80.3	80.3	0.0	0.0%
85.2%	80.1	80.2	0.1	0.2%
86.4%	80.0	80.1	0.1	0.1%
87.7%	80.0	80.0	0.0	0.0%
88.9%	80.0	79.8	-0.2	-0.3%
90.1%	79.8	79.6	-0.1	-0.2%
91.4%	79.6	79.6	0.0	0.0%
92.6%	78.9	78.5	-0.4	-0.5%
93.8%	78.2	78.3	0.1	0.1%
95.1%	77.1	77.4	0.3	0.4%
96.3%	70.6	69.9	-0.7	-1.0%
97.5%	66.0	65.8	-0.3	-0.4%
98.8%	60.8	60.9	0.1	0.1%
100.0%	59.1	59.1	0.1	0.1%

Percent Exceedance Probability (%)	August			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (KM)	Relative Difference (%)
	Monthly Position (KM)	Monthly Position (KM)		
0.0%	94.7	94.8	0.0	0.1%
1.2%	94.4	94.6	0.2	0.3%
2.5%	94.4	94.5	0.2	0.2%
3.7%	94.1	93.9	-0.2	-0.2%
4.9%	93.5	93.4	-0.1	-0.1%
6.2%	93.2	93.3	0.1	0.1%
7.4%	93.2	92.6	-0.6	-0.6%
8.6%	93.0	92.6	-0.4	-0.5%
9.9%	93.0	92.5	-0.5	-0.5%
11.1%	92.9	92.3	-0.6	-0.6%
12.3%	92.9	92.0	-0.8	-0.9%
13.6%	92.8	92.0	-0.8	-0.9%
14.8%	92.5	91.9	-0.6	-0.7%
16.0%	92.5	91.7	-0.8	-0.8%
17.3%	92.2	91.7	-0.5	-0.6%
18.5%	92.2	91.5	-0.7	-0.8%
19.8%	92.2	91.4	-0.7	-0.8%
21.0%	92.0	91.4	-0.6	-0.7%
22.2%	92.0	91.3	-0.6	-0.7%
23.5%	92.0	90.9	-1.1	-1.2%
24.7%	91.8	90.9	-0.9	-1.0%
25.9%	91.7	90.8	-0.9	-0.9%
27.2%	91.6	90.7	-0.9	-0.9%
28.4%	91.3	90.3	-1.2	-1.3%
29.6%	91.4	90.2	-1.1	-1.2%
30.9%	91.2	90.2	-1.0	-1.1%
32.1%	91.1	90.0	-1.1	-1.2%
33.3%	91.0	89.9	-1.1	-1.2%
34.6%	91.0	89.9	-1.0	-1.1%
35.8%	90.7	89.7	-0.3	-0.3%
37.0%	90.0	89.6	-0.4	-0.4%
38.3%	89.9	89.6	-0.3	-0.4%
39.5%	89.9	89.6	-0.3	-0.4%
40.7%	89.9	89.3	-0.6	-0.6%
42.0%	89.3	89.0	-0.3	-0.3%
43.2%	89.6	89.2	-0.4	-0.4%
44.4%	89.6	89.2	-0.4	-0.4%
45.7%	89.5	89.2	-0.4	-0.4%
46.9%	89.5	89.1	-0.4	-0.4%
48.1%	89.4	89.1	-0.3	-0.4%
49.4%	89.1	89.1	0.0	0.0%
50.6%	89.3	89.0	-0.3	-0.4%
51.9%	89.2	88.9	-0.3	-0.4%
53.1%	89.2	88.8	-0.4	-0.5%
54.3%	89.2	88.8	-0.4	-0.5%
55.6%	89.2	88.8	-0.4	-0.5%
56.8%	89.1	88.8	-0.4	-0.4%
58.0%	89.1	88.7	-0.4	-0.4%
59.3%	89.1	88.7	-0.4	-0.4%
60.5%	89.0	88.7	-0.4	-0.4%
61.7%	88.9	88.6	-0.3	-0.4%
63.0%	88.8	88.5	-0.3	-0.4%
64.2%	88.8	88.4	-0.3	-0.4%
65.4%	88.8	88.4	-0.3	-0.4%
66.7%	88.7	88.3	-0.4	-0.5%
67.9%	88.7	88.2	-0.5	-0.6%
69.1%	88.7	88.2	-0.5	-0.6%
70.4%	88.7	88.2	-0.5	-0.6%
71.6%	88.6	88.1	-0.5	-0.5%
72.8%	88.6	88.1	-0.5	-0.5%
74.1%	88.6	88.1	-0.5	-0.5%
75.3%	88.5	88.0	-0.5	-0.5%
76.5%	88.4	88.0	-0.5	-0.5%
77.8%	88.4	87.9	-0.5	-0.6%
79.0%	88.2	87.9	-0.3	-0.3%
80.2%	88.1	87.8	-0.3	-0.4%
81.5%	88.1	87.5	-0.5	-0.6%
82.7%	87.8	87.4	-0.4	-0.4%
84.0%	87.7	87.4	-0.3	-0.3%
85.2%	87.1	87.1	-0.6	-0.6%
86.4%	87.6	87.0	-0.6	-0.7%
87.7%	87.6	86.9	-0.7	-0.8%
88.9%	87.6	86.9	-0.7	-0.8%
90.1%	87.4	86.7	-0.7	-0.8%
91.4%	87.1	86.6	-0.5	-0.6%
92.6%	87.1	86.5	-0.5	-0.6%
93.8%	86.5	86.4	-0.1	-0.1%
95.1%	86.6	86.4	0.8	0.9%
96.3%	85.1	86.3	1.2	1.5%
97.5%	82.5	82.5	2.3	2.8%
98.8%	74.5	73.0	-1.4	-1.9%

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
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	1704.7	1348.1	882.9	410.8	235.5	216.0	233.3	318.1	529.4	671.4	1267.8	1466.3
DCR 2015 With Project	1432.4	1189.0	859.7	432.4	248.8	219.7	234.2	320.3	514.6	645.3	1175.3	1267.5
Difference	-272.3	-159.0	-23.3	21.7	13.3	3.7	0.9	2.3	-14.8	-26.1	-92.5	-198.8
Percent Difference <sup>3</sup>	-16.0%	-11.8%	-2.6%	5.3%	5.7%	1.7%	0.4%	0.7%	-2.8%	-3.9%	-7.3%	-13.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	301.4	235.7	354.6	206.4	184.1	182.9	186.2	188.7	228.0	285.1	755.7	285.3
DCR 2015 With Project	289.0	233.4	359.8	210.4	184.3	183.4	186.2	188.8	225.2	283.1	736.9	280.8
Difference	-12.4	-2.3	5.2	4.1	0.2	0.5	0.0	0.1	-2.9	-2.0	-18.8	-4.6
Percent Difference	-4.1%	-1.0%	1.5%	2.0%	0.1%	0.3%	0.0%	0.0%	-1.3%	-0.7%	-2.5%	-1.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	622.5	489.8	467.4	275.7	195.1	184.6	190.7	198.9	316.5	331.0	813.4	473.1
DCR 2015 With Project	556.9	482.6	510.1	295.5	198.1	186.2	191.4	199.0	310.4	325.7	768.9	441.7
Difference	-65.6	-7.2	42.6	19.7	3.0	1.6	0.7	0.0	-6.1	-5.3	-44.5	-31.4
Percent Difference	-10.5%	-1.5%	9.1%	7.1%	1.5%	0.9%	0.4%	0.0%	-1.9%	-1.6%	-5.5%	-6.6%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2103.6	1540.3	988.5	404.2	210.0	198.1	207.4	233.1	396.9	485.8	1014.7	1704.7
DCR 2015 With Project	1660.5	1265.2	938.0	442.0	211.4	205.0	209.1	234.8	395.0	478.1	952.8	1460.7
Difference	-443.1	-275.1	-50.5	37.8	1.4	6.9	1.6	1.7	-1.9	-7.7	-61.9	-244.0
Percent Difference	-21.1%	-17.9%	-5.1%	9.4%	0.7%	3.5%	0.8%	0.7%	-0.5%	-1.6%	-6.1%	-14.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2864.4	2071.1	1204.6	534.3	273.2	224.6	240.1	320.2	582.3	824.3	1715.3	2493.9
DCR 2015 With Project	2341.3	1819.2	1152.5	550.8	289.8	230.4	244.9	315.7	578.6	805.6	1508.6	1975.4
Difference	-523.1	-251.8	-52.2	16.5	16.7	5.7	4.8	-4.5	-3.8	-18.8	-206.7	-518.6
Percent Difference	-18.3%	-12.2%	-4.3%	3.1%	6.1%	2.6%	2.0%	-1.4%	-0.6%	-2.3%	-12.0%	-20.8%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	3822.2	3307.6	1837.4	811.0	360.6	327.2	397.7	813.5	1470.5	1835.8	2456.0	3198.6
DCR 2015 With Project	3155.3	2931.8	1761.7	861.7	421.4	333.0	394.1	833.5	1389.4	1704.2	2291.3	2944.0
Difference	-466.9	-375.8	-75.7	50.7	60.9	5.8	-3.6	20.0	-81.2	-131.6	-164.7	-254.6
Percent Difference	-12.9%	-11.4%	-4.1%	6.2%	16.9%	1.8%	-0.9%	2.5%	-5.5%	-7.2%	-6.7%	-8.0%

1 Based on the 82-year simulation period  
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)  
3 Relative difference of the monthly average



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

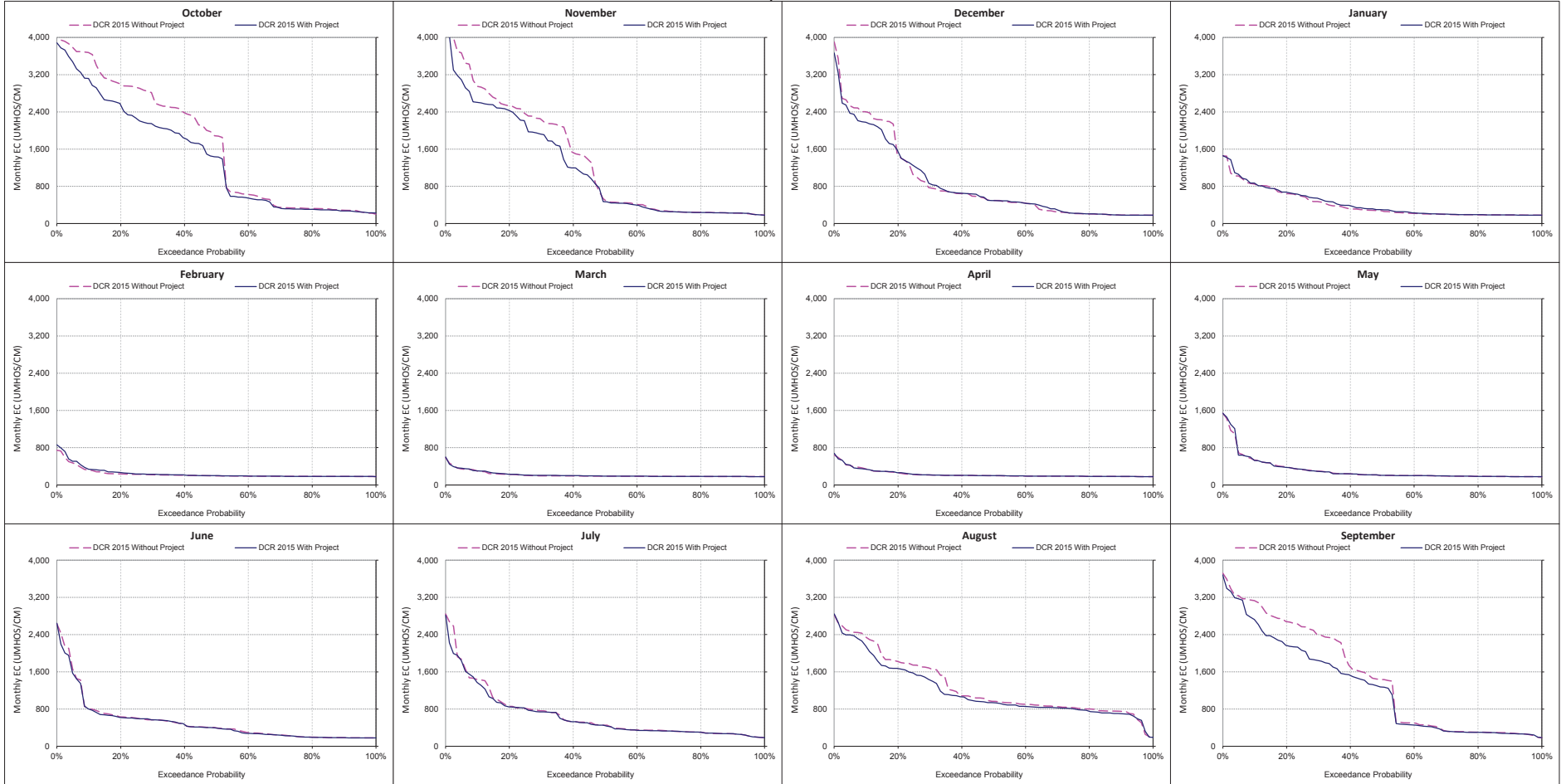


Table SQ-21-b  
Sacramento River at Emmaton, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	4221.0	436.5	-336.5	-8.0%	
1.2%	3945.6	3773.2	-172.3	-4.4%	
2.5%	3717.6	3731.9	+16.5	+4.5%	
3.7%	3866.2	3700.0	-170.0	-4.4%	
4.9%	3787.1	3476.4	-310.7	-8.2%	
6.2%	3697.4	3324.4	-372.9	-10.1%	
7.4%	3696.0	3253.0	-442.9	-12.0%	
8.6%	3688.5	3127.4	-561.1	-15.2%	
9.9%	3676.5	3118.9	-557.6	-15.2%	
11.1%	3632.2	2969.4	-662.8	-18.2%	
12.3%	3401.6	2922.1	-479.5	-14.1%	
13.6%	3241.7	2788.2	-453.5	-14.0%	
14.8%	3132.9	2662.1	-470.8	-15.0%	
16.0%	3108.4	2645.4	-462.9	-14.9%	
17.3%	3065.8	2634.0	-431.9	-14.1%	
18.5%	3037.5	2613.2	-424.3	-14.0%	
19.8%	3003.6	2593.8	-419.8	-14.0%	
21.0%	2958.8	2411.9	-546.9	-18.5%	
22.2%	2956.3	2336.2	-620.2	-21.0%	
23.5%	2949.8	2326.8	-623.1	-21.1%	
24.7%	2930.1	2270.1	-659.9	-22.5%	
25.9%	2906.7	2247.2	-679.5	-23.4%	
27.2%	2867.0	2176.7	-690.3	-24.1%	
28.4%	2843.2	2154.9	-688.3	-24.2%	
29.6%	2815.4	2147.0	-668.3	-23.7%	
30.9%	2584.7	2094.2	-490.5	-19.0%	
32.1%	2548.4	2062.1	-486.3	-19.1%	
33.3%	2523.6	2047.2	-476.3	-18.9%	
34.5%	2520.1	2035.4	-484.7	-19.2%	
35.8%	2495.9	2004.0	-491.8	-19.7%	
37.0%	2492.5	1949.6	-542.9	-21.8%	
38.3%	2473.6	1939.9	-533.7	-21.6%	
39.5%	2396.5	1845.8	-550.8	-23.0%	
40.7%	2356.9	1810.1	-546.8	-23.2%	
42.0%	2330.7	1746.5	-584.2	-25.1%	
43.2%	2271.0	1725.7	-545.4	-24.0%	
44.4%	2119.4	1721.1	-398.3	-18.8%	
45.7%	2104.7	1673.2	-431.5	-20.5%	
46.9%	2005.3	1490.5	-514.8	-25.7%	
48.1%	1973.7	1450.0	-523.6	-26.5%	
49.4%	1896.4	1436.7	-449.7	-23.8%	
50.6%	1878.5	1427.3	-451.2	-24.0%	
51.9%	1850.2	1391.0	-459.2	-24.8%	
53.1%	771.3	766.3	-5.0	-0.6%	
54.3%	683.7	586.5	-97.2	-14.2%	
55.6%	674.2	585.6	-88.7	-13.2%	
56.8%	663.8	563.6	-99.2	-14.9%	
58.0%	637.7	566.0	-71.7	-11.2%	
59.3%	629.3	558.6	-70.7	-11.2%	
60.5%	621.8	538.5	-83.3	-13.4%	
61.7%	609.8	524.3	-85.6	-14.0%	
63.0%	585.6	512.1	-73.5	-12.6%	
64.2%	547.6	509.5	-38.1	-7.0%	
65.4%	526.7	502.1	-24.6	-4.7%	
66.7%	518.4	465.1	-53.3	-10.3%	
67.9%	392.2	358.9	-33.3	-8.5%	
69.1%	352.0	349.0	-3.0	-0.9%	
70.4%	344.9	322.7	-22.2	-6.4%	
71.6%	342.0	318.7	-23.3	-6.8%	
72.8%	337.1	316.3	-20.8	-6.2%	
74.1%	335.1	312.6	-22.5	-6.7%	
75.3%	332.6	310.4	-22.2	-6.7%	
76.5%	332.2	308.4	-23.7	-7.1%	
77.8%	325.0	305.7	-19.2	-5.9%	
79.0%	322.6	303.9	-18.7	-5.8%	
80.2%	321.1	302.9	-18.3	-5.7%	
81.5%	320.9	297.8	-23.0	-7.2%	
82.7%	320.1	296.4	-23.7	-7.4%	
84.0%	318.0	292.6	-25.5	-8.0%	
85.2%	313.4	292.1	-21.3	-6.8%	
86.4%	297.4	289.4	-8.0	-2.7%	
87.7%	288.4	288.4	-7.6	-2.6%	
88.9%	289.4	273.6	-15.8	-5.5%	
90.1%	284.4	272.1	-12.3	-4.3%	
91.4%	281.8	272.0	-9.8	-3.5%	
92.6%	281.7	267.7	-14.0	-5.0%	
93.8%	277.9	255.3	-22.6	-8.1%	
95.1%	252.9	249.1	-3.8	-1.5%	
96.3%	236.2	245.0	7.0	2.9%	
97.5%	223.4	229.8	6.4	2.8%	
98.8%	222.3	228.6	6.3	2.9%	
100.0%	200.7	227.2	26.5	13.2%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	4136.1	4094.4	-41.7	-1.0%	
1.2%	4131.9	4030.7	-101.2	-2.4%	
2.5%	3905.6	3301.7	-603.9	-17.4%	
3.7%	3700.0	3182.1	-518.0	-14.0%	
4.9%	3669.4	3090.5	-578.9	-15.8%	
6.2%	3448.2	2917.1	-531.1	-15.4%	
7.4%	3427.9	2838.3	-589.7	-17.2%	
8.6%	3078.0	2616.5	-461.5	-15.0%	
9.9%	2951.1	2607.2	-344.0	-11.7%	
11.1%	2933.0	2591.4	-341.6	-11.6%	
12.3%	2893.5	2573.2	-320.3	-11.1%	
13.6%	2798.9	2559.7	-239.2	-8.5%	
14.8%	2718.8	2564.1	-164.6	-6.1%	
16.0%	2677.5	2483.8	-193.6	-7.2%	
17.3%	2580.4	2480.5	-99.9	-3.9%	
18.5%	2552.5	2469.5	-83.0	-3.3%	
19.8%	2531.0	2436.5	-94.5	-3.7%	
21.0%	2518.1	2394.6	-123.5	-4.9%	
22.2%	2475.8	2312.4	-163.4	-6.6%	
23.5%	2466.2	2223.2	-243.0	-9.9%	
24.7%	2372.3	2214.4	-158.0	-6.7%	
25.9%	2308.1	2172.0	-136.1	-5.9%	
27.2%	2307.8	1967.3	-340.5	-14.8%	
28.4%	2265.1	1946.4	-318.7	-14.1%	
29.6%	2255.8	1925.1	-330.7	-14.7%	
30.9%	2184.2	1909.4	-274.8	-12.6%	
32.1%	2150.3	1779.4	-370.9	-17.3%	
33.3%	2145.8	1770.7	-375.1	-17.5%	
34.5%	2133.5	1683.9	-449.6	-21.1%	
35.8%	2095.7	1662.3	-433.4	-20.7%	
37.0%	2073.9	1377.6	-696.4	-33.6%	
38.3%	1822.6	1213.7	-608.9	-33.4%	
39.5%	1541.8	1197.7	-344.1	-22.3%	
40.7%	1498.6	1195.8	-302.8	-20.3%	
42.0%	1480.4	1126.6	-353.9	-23.9%	
43.2%	1468.2	1063.2	-405.0	-27.6%	
44.4%	1391.4	1047.0	-344.4	-24.7%	
45.7%	1308.1	999.2	-348.9	-26.7%	
46.9%	874.8	852.3	-22.5	-2.6%	
48.1%	692.1	766.5	74.4	10.7%	
49.4%	443.7	470.0	26.3	5.9%	
50.6%	468.9	466.5	-2.4	-0.5%	
51.9%	460.5	445.2	-15.3	-3.3%	
53.1%	469.0	441.2	-27.8	-5.9%	
54.3%	450.3	434.6	-15.7	-3.5%	
55.6%	446.7	434.3	-12.4	-2.8%	
56.8%	444.9	429.0	-16.0	-3.6%	
58.0%	440.7	415.9	-24.8	-5.6%	
59.3%	416.8	404.8	-12.0	-2.9%	
60.5%	406.9	389.1	-17.8	-4.4%	
61.7%	406.7	359.7	-47.0	-11.6%	
63.0%	368.3	334.5	-33.7	-9.2%	
64.2%	319.5	310.9	-8.7	-2.7%	
65.4%	308.5	292.2	-16.3	-5.3%	
66.7%	282.4	272.4	-10.0	-3.5%	
67.9%	274.2	268.8	-5.4	-1.9%	
69.1%	272.7	258.9	-13.8	-5.1%	
70.4%	258.0	254.4	-3.6	-1.4%	
71.6%	257.4	252.3	-5.1	-2.0%	
72.8%	253.8	250.8	-3.0	-1.2%	
74.1%	245.9	246.9	1.0	0.4%	
75.3%	245.4	243.9	-1.5	-0.6%	
76.5%	242.8	242.0	-0.9	-0.4%	
77.8%	242.5	239.4	-3.1	-1.3%	
79.0%	241.4	237.6	-3.8	-1.6%	
80.2%	238.7	236.7	-2.0	-0.9%	
81.5%	238.0	235.1	-2.9	-1.2%	
82.7%	236.0	234.5	-1.5	-0.6%	
84.0%	235.1	233.9	-1.1	-0.5%	
85.2%	234.4	232.4	-2.0	-0.8%	
86.4%	232.4	231.4	-1.0	-0.4%	
87.7%	228.6	229.2	0.6	0.3%	
88.9%	228.3	226.4	-1.9	-0.9%	
90.1%	227.1	226.2	-0.9	-0.4%	
91.4%	226.0	224.9	-1.1	-0.5%	
92.6%	220.9	223.0	2.5	1.1%	
93.8%	219.6	220.3	0.5	0.2%	
95.1%	209.3	217.1	7.8	3.7%	
96.3%	202.6	192.2	-10.4	-5.1%	
97.5%	186.1	190.5	4.8	2.1%	
98.8%	186.0	188.4	2.3	1.3%	
100.0%	179.0	177.9	-0.1	0.0%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	3904.2	3668.2	-236.0	-6.0%	
1.2%	3648.5	3235.7	-412.8	-11.3%	
2.5%	2691.5	2597.7	-93.8	-3.5%	
3.7%	2660.0	2546.3	-113.8	-4.3%	
4.9%	2530.9	2372.6	-158.3	-6.3%	
6.2%	2487.4	2301.1	-186.3	-7.5%	
7.4%	2484.4	2211.4	-272.9	-11.0%	
8.6%	2406.2	2188.7	-217.5	-9.0%	
9.9%	2404.3	2177.1	-227.3	-9.5%	
11.1%	2380.8	2142.9	-237.9	-10.0%	
12.3%	2255.3	2124.3	-131.0	-5.8%	
13.6%	2235.6	2077.9	-157.7	-7.1%	
14.8%	2230.8	2016.4	-214.4	-9.6%	
16.0%	2199.8	1818.9	-380.9	-17.3%	
17.3%	2192.8	1718.2	-474.6	-21.8%	
18.5%	2139.3	1698.6	-440.7	-20.6%	
19.8%	1491.5	1585.4	93.9	6.3%	
21.0%	1401.0	1407.9	6.9	0.5%	
22.2%	1357.1	1348.3	-8.8	-0.6%	
23.5%	1277.9	1308.4	30.4	2.4%	
24.7%	1054.2	1255.0	200.8	19.0%	
25.9%	1039.8	1198.6	158.8	15.3%	
27.2%	925.6	1141.7	216.2	23.4%	
28.4%	896.3	1061.7	165.4	18.5%	
29.6%	862.5	862.5	0.0	0.0%	
30.9%	757.8	831.0	73.2	9.7%	
32.1%	740.3	821.4	81.1	11.0%	
33.3%	700.3	755.0	54.7	7.8%	
34.5%	698.0	724.1	26.2	3.8%	
35.8%	685.0	681.3	-3.7	-0.5%	
37.0%	672.5	671.6	-1.0	-0.1%	
38.3%	647.8	638.0	-9.8	-1.6%	
39.5%	644.3	656.4	12.1	1.9%	
40.7%	642.2	648.4	6.2	1.0%	
42.0%	639.5	641.1	1.7	0.3%	
43.2%	589.0	633.8	44.8	7.6%	
44.4%	583.6	630.2	46.6	8.0%	
45.7%	569.0	582.0	13.0	2.3%	
46.9%	551.8	565.8	14.0	2.5%	
48.1%	504.7	500.2	-4.5	-0.9%	
49.4%	497.4	495.1	-2.2	-0.4%	
50.6%	495.9	494.5	-1.4	-0.3%	
51.9%	494.3	491.0	-3.4	-0.7%	
53.1%	469.4	490.2	20.8	4.4%	
54.3%	464.2	487.7	23.5	5.1%	
55.6%	453.9	466.8			

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	745.6	859.2	113.6	15.2%
1.2%	729.6	795.3	65.7	9.0%
2.5%	563.6	720.3	156.7	21.3%
3.7%	500.2	558.3	58.1	11.2%
4.9%	472.7	508.5	35.9	7.6%
6.2%	436.9	507.5	70.6	16.2%
7.4%	382.9	432.5	49.5	12.9%
8.6%	335.1	378.5	43.4	13.0%
9.9%	316.8	338.9	22.1	7.0%
11.1%	308.7	331.7	23.0	7.5%
12.3%	282.4	323.3	41.0	14.5%
13.6%	280.1	314.3	34.2	12.2%
14.8%	255.9	314.2	58.3	22.8%
16.0%	243.9	281.5	37.6	15.4%
17.3%	240.9	277.8	36.9	15.3%
18.5%	239.4	276.5	37.2	15.5%
19.8%	237.3	270.3	32.9	13.9%
21.0%	235.5	266.0	20.5	8.7%
22.2%	230.1	249.0	18.8	8.2%
23.5%	229.1	243.3	14.2	6.2%
24.7%	228.0	233.3	5.4	2.4%
25.9%	227.2	222.1	9.7	4.5%
27.2%	225.9	231.7	5.8	2.6%
28.4%	222.9	231.3	8.5	3.8%
29.6%	219.1	228.5	9.5	4.3%
30.9%	218.2	227.2	9.0	4.1%
32.1%	216.2	224.8	8.6	4.0%
33.3%	212.4	222.1	9.7	4.5%
34.5%	212.1	220.3	8.3	3.9%
35.8%	210.8	218.7	7.8	3.7%
37.0%	210.2	218.2	7.9	3.8%
38.3%	208.0	215.6	7.7	3.7%
39.5%	207.8	214.9	7.1	3.4%
40.7%	204.0	206.8	2.7	1.3%
42.0%	202.2	205.5	3.2	1.6%
43.2%	199.3	203.1	3.8	1.9%
44.4%	199.1	202.5	3.4	1.7%
45.7%	198.9	200.8	1.9	0.9%
46.9%	197.6	200.7	3.0	1.5%
48.1%	195.6	200.2	4.6	2.3%
49.4%	194.8	199.9	4.0	2.1%
50.6%	194.3	198.5	4.2	2.1%
51.9%	193.7	195.7	2.0	1.0%
53.1%	193.3	195.2	1.8	0.9%
54.3%	192.4	193.4	1.0	0.5%
55.6%	192.0	193.3	1.3	0.7%
56.8%	191.0	193.1	2.1	1.1%
58.0%	190.0	192.0	2.0	1.1%
59.3%	189.9	191.9	2.0	1.1%
60.5%	189.1	190.1	0.9	0.5%
61.7%	188.9	189.9	1.0	0.5%
63.0%	188.7	189.3	0.6	0.3%
64.2%	187.5	187.7	0.2	0.1%
65.4%	187.1	187.4	0.3	0.2%
66.7%	186.9	187.0	0.0	0.0%
67.9%	186.8	187.0	0.2	0.1%
69.1%	184.9	186.9	2.0	1.1%
70.4%	184.8	186.4	1.6	0.8%
71.6%	184.6	185.0	0.4	0.2%
72.8%	184.5	185.0	0.5	0.3%
74.1%	184.5	184.8	0.3	0.2%
75.3%	184.3	184.7	0.4	0.2%
76.5%	184.3	184.5	0.3	0.1%
77.8%	184.1	184.3	0.2	0.1%
79.0%	183.8	184.2	0.3	0.2%
80.2%	183.8	183.7	-0.1	0.0%
81.5%	183.5	183.4	-0.1	0.0%
82.7%	183.4	183.2	-0.2	-0.1%
84.0%	183.2	183.0	-0.2	-0.1%
85.2%	182.9	182.7	-0.2	-0.1%
86.4%	182.8	182.7	-0.1	0.0%
87.7%	182.6	182.5	-0.1	-0.1%
88.9%	182.4	182.4	0.0	0.0%
90.1%	182.1	182.1	0.0	0.0%
91.4%	181.8	182.0	0.2	0.1%
92.6%	181.8	181.8	0.0	0.0%
93.8%	181.1	181.6	0.5	0.3%
95.1%	180.9	181.4	0.6	0.3%
96.3%	180.6	181.0	0.4	0.2%
97.5%	180.6	180.6	0.0	0.0%
98.8%	180.2	180.4	0.2	0.1%
100.0%	178.1	178.1	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	584.0	596.8	12.8	2.2%
1.2%	465.8	447.9	-17.8	-3.8%
2.5%	416.1	391.4	-24.7	-5.2%
3.7%	383.1	383.2	0.1	0.0%
4.9%	342.7	380.6	37.9	5.2%
6.2%	335.0	348.8	13.8	4.1%
7.4%	333.7	344.6	10.8	3.2%
8.6%	328.5	309.3	-19.1	-5.8%
9.9%	300.4	303.3	2.9	1.0%
11.1%	288.9	299.7	10.8	3.8%
12.3%	284.9	299.1	14.2	5.0%
13.6%	246.4	274.7	28.3	11.5%
14.8%	239.7	258.6	19.0	7.9%
16.0%	239.5	251.0	11.5	4.8%
17.3%	232.2	245.3	13.1	5.6%
18.5%	229.7	239.8	10.1	4.4%
19.8%	226.4	231.4	5.0	2.2%
21.0%	226.2	230.3	4.1	1.8%
22.2%	221.4	229.7	8.3	3.7%
23.5%	211.6	218.8	7.2	3.4%
24.7%	205.5	213.3	7.8	3.8%
25.9%	202.7	209.5	7.8	3.9%
27.2%	200.2	208.2	8.0	4.0%
28.4%	196.7	206.4	9.7	4.9%
29.6%	196.5	205.4	8.9	4.5%
30.9%	196.3	203.7	7.4	3.8%
32.1%	196.1	203.5	7.4	3.8%
33.3%	195.2	203.3	8.1	4.2%
34.5%	195.0	203.3	8.3	4.3%
35.8%	194.7	202.8	8.2	4.2%
37.0%	193.8	202.7	8.9	4.6%
38.3%	193.7	201.8	8.1	4.2%
39.5%	193.4	199.9	6.6	3.4%
40.7%	192.4	199.2	6.8	3.5%
42.0%	192.2	199.2	7.0	3.6%
43.2%	191.0	196.4	5.4	2.8%
44.4%	190.7	193.7	3.1	1.6%
45.7%	190.2	193.0	3.5	1.8%
46.9%	189.9	193.0	3.2	1.7%
48.1%	189.6	192.4	2.7	1.4%
49.4%	189.4	191.6	2.2	1.2%
50.6%	189.3	191.3	2.0	1.1%
51.9%	189.1	191.3	2.2	1.2%
53.1%	188.9	191.0	2.1	1.1%
54.3%	188.0	190.8	2.8	1.5%
55.6%	187.8	190.7	2.8	1.5%
56.8%	187.3	190.6	3.3	1.8%
58.0%	187.3	189.7	2.4	1.3%
59.3%	186.5	189.4	2.9	1.6%
60.5%	186.4	186.8	0.4	0.2%
61.7%	185.8	186.6	0.7	0.4%
63.0%	185.7	186.1	0.4	0.2%
64.2%	184.7	185.8	1.1	0.6%
65.4%	184.3	185.5	1.2	0.6%
66.7%	184.0	185.5	1.4	0.8%
67.9%	183.8	184.6	0.7	0.4%
69.1%	183.7	184.3	0.6	0.3%
70.4%	183.6	184.0	0.4	0.2%
71.6%	183.1	183.9	0.8	0.4%
72.8%	182.9	183.6	0.8	0.4%
74.1%	182.5	183.6	1.1	0.6%
75.3%	182.2	182.7	0.5	0.3%
76.5%	182.1	182.5	0.4	0.2%
77.8%	181.9	182.3	0.4	0.2%
79.0%	181.7	182.1	0.4	0.2%
80.2%	181.5	182.1	0.6	0.3%
81.5%	181.5	182.0	0.6	0.3%
82.7%	181.4	182.0	0.5	0.3%
84.0%	181.4	181.4	0.0	0.0%
85.2%	181.3	181.3	0.0	0.0%
86.4%	181.0	181.1	0.1	0.1%
87.7%	181.0	181.0	0.0	0.0%
88.9%	181.0	180.6	-0.4	-0.2%
90.1%	180.5	180.5	0.0	0.0%
91.4%	180.4	180.5	0.1	0.1%
92.6%	180.3	180.4	0.1	0.0%
93.8%	180.3	180.3	0.0	0.0%
95.1%	180.2	180.1	-0.1	-0.1%
96.3%	179.9	179.3	-0.6	-0.3%
97.5%	179.6	179.6	0.0	0.0%
98.8%	179.4	179.4	0.0	0.0%
100.0%	179.0	179.1	0.1	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	643.1	678.2	35.1	5.5%
1.2%	599.3	559.2	-30.1	-5.1%
2.5%	524.6	529.2	4.6	0.9%
3.7%	430.9	470.7	39.8	7.5%
4.9%	421.7	430.4	8.7	2.1%
6.2%	383.8	367.4	-16.5	-4.3%
7.4%	382.2	353.5	-28.7	-7.5%
8.6%	366.6	346.4	-20.1	-5.5%
9.9%	345.9	336.1	-9.7	-2.8%
11.1%	325.3	328.5	3.2	1.0%
12.3%	297.0	302.1	5.1	1.7%
13.6%	294.3	296.1	1.8	0.6%
14.8%	292.1	291.1	-1.1	-0.4%
16.0%	290.3	289.4	-0.9	-0.3%
17.3%	279.1	284.9	5.8	2.1%
18.5%	274.5	283.7	9.3	3.4%
19.8%	257.4	264.2	6.9	2.7%
21.0%	250.5	261.9	11.4	4.5%
22.2%	235.6	254.3	18.7	7.9%
23.5%	231.2	218.8	-7.9	-3.4%
24.7%	228.9	231.3	2.4	1.0%
25.9%	218.0	228.2	10.2	4.7%
27.2%	217.5	217.9	0.4	0.2%
28.4%	215.3	217.5	2.2	1.0%
29.6%	213.3	214.4	1.1	0.5%
30.9%	212.5	211.7	-0.8	-0.4%
32.1%	209.7	211.4	1.7	0.8%
33.3%	209.4	210.4	0.9	0.4%
34.5%	206.5	208.0	1.5	0.7%
35.8%	206.1	207.3	1.1	0.6%
37.0%	205.8	207.0	1.3	0.6%
38.3%	204.8	207.0	2.1	1.0%
39.5%	204.8	206.3	1.5	0.7%
40.7%	203.3	205.2	1.9	0.9%
42.0%	203.0	204.8	1.8	0.9%
43.2%	202.8	203.8	1.1	0.5%
44.4%	202.6	202.0	-0.6	-0.3%
45.7%	201.4	201.4	0.0	0.0%
46.9%	200.2	200.5	0.3	0.1%
48.1%	198.5	198.6	0.1	0.0%
49.4%	198.3	198.5	0.2	0.1%
50.6%	198.2	198.4	0.2	0.1%
51.9%	197.5	198.1	0.6	0.3%
53.1%	194.4	197.7	3.4	1.7%
54.3%	193.5	196.2	2.7	1.4%
55.6%	193.2	195.3	2.0	1.1%
56.8%	191.9	194.1	2.1	1.1%
58.0%	191.9	194.1	2.2	1.2%
59.3%	191.5	193.2	1.8	0.9%
60.5%	191.1	191.5	0.4	0.2%
61.7%	191.0	191.4	0.4	0.2%
63.0%	190.4	191.0	0.6	0.3%
64.2%	190.1	190.4	0.3	0.2%
65.4%	189.8	190.4	0.6	0.3%
66.7%	189.5	190.3	0.9	0.5%
67.9%	189.4	190.3	0.9	0.5%
69.1%	189.1	190.1	1.0	0.5%
70.4%	189.1	189.5	0.4	0.2%
71.6%	188.5	188.6	0.1	0.1%
72.8%	188.0	187.9	-0.1	0.0%
74.1%	187.3	187.7	0.4	0.2%
75.3%	187.2	187.2	0.1	0.0%
76.5%	186.7	187.1	0.4	0.2%
77.8%	185.2	186.7	1.5	0.8%
79.0%	184.8	185.2	0.4	0.2%
80.2%	184.6	184.8	0.2	0.1%
81.5%	183.6	184.4	0.8	0.4%
82.7%	183.1	183.2	0.1	0.1%
84.0%	182.9	183.1	0.2	0.1%
85.2%	182.4	182.5	0.1	0.1%
86.4%	181.8	182		

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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	2630.5	2646.3	15.7	0.6%
1.2%	2434.4	2196.6	-237.8	-9.8%
2.5%	2105.7	2003.3	-102.4	-4.9%
3.7%	1857.8	1462.1	-395.7	-21.3%
4.9%	1659.8	1573.5	-86.3	-5.2%
6.2%	1454.6	1447.4	-7.2	-0.5%
7.4%	1423.4	1348.8	-74.6	-5.2%
8.6%	857.7	857.5	-0.1	0.0%
9.9%	810.6	799.5	-11.1	-1.4%
11.1%	795.7	772.7	-23.0	-2.9%
12.3%	766.8	727.3	-39.5	-5.2%
13.6%	734.2	679.4	-54.7	-7.5%
14.8%	707.0	674.3	-32.7	-4.6%
16.0%	694.1	640.0	-54.0	-7.8%
17.3%	675.4	661.0	-14.3	-2.1%
18.5%	660.9	644.0	-16.9	-2.5%
19.8%	629.8	617.2	-12.6	-2.0%
21.0%	628.5	611.5	-16.9	-2.7%
22.2%	616.5	608.6	-7.9	-1.3%
23.5%	616.2	607.3	-8.9	-1.4%
24.7%	607.4	595.1	-12.3	-2.0%
25.9%	590.8	585.0	-5.8	-1.0%
27.2%	582.5	591.0	8.5	1.5%
28.4%	568.8	590.7	21.9	3.8%
29.6%	568.5	568.7	0.2	0.0%
30.9%	568.1	565.3	-2.8	-0.5%
32.1%	566.8	563.3	-3.5	-0.6%
33.3%	554.0	555.4	1.4	0.3%
34.5%	541.6	548.3	6.6	1.2%
35.8%	533.0	533.1	0.0	0.0%
37.0%	508.6	521.3	12.7	2.5%
38.3%	494.8	491.0	-3.8	-0.8%
39.5%	490.8	485.2	-5.6	-1.1%
40.7%	430.8	428.2	-2.6	-0.6%
42.0%	420.4	411.8	-8.5	-2.0%
43.2%	420.0	411.7	-8.4	-2.0%
44.4%	415.6	410.9	-4.6	-1.1%
45.7%	415.4	405.4	-10.0	-2.4%
46.9%	406.5	403.0	-3.5	-0.9%
48.1%	406.2	401.7	-4.5	-1.1%
49.4%	402.6	394.9	-7.7	-1.9%
50.6%	387.2	386.1	-1.1	-0.3%
51.9%	383.8	374.0	-9.8	-2.6%
53.1%	374.0	369.6	-4.4	-1.2%
54.3%	371.1	367.9	-3.3	-0.9%
55.6%	370.9	335.7	-35.2	-9.5%
56.8%	340.0	322.4	-17.6	-5.2%
58.0%	322.2	285.9	-36.3	-11.3%
59.3%	300.0	276.5	-23.4	-7.8%
60.5%	286.7	275.1	-11.6	-4.0%
61.7%	284.7	271.6	-13.1	-4.6%
63.0%	282.9	269.5	-13.5	-4.8%
64.2%	275.4	264.1	-11.3	-4.1%
65.4%	274.9	251.9	-23.0	-8.4%
66.7%	257.6	251.4	-6.2	-2.4%
67.9%	248.1	245.3	-2.8	-1.1%
69.1%	243.1	243.1	0.0	0.0%
70.4%	242.9	233.5	-9.4	-3.9%
71.6%	235.0	226.4	-8.6	-3.6%
72.8%	223.9	223.9	0.0	0.0%
74.1%	220.3	217.7	-2.7	-1.2%
75.3%	210.2	205.0	-5.2	-2.5%
76.5%	200.6	201.9	1.3	0.6%
77.8%	198.5	197.6	-0.9	-0.5%
79.0%	197.4	196.8	-0.6	-0.3%
80.2%	196.2	193.4	-2.8	-1.4%
81.5%	193.4	193.0	-0.4	-0.2%
82.7%	190.2	190.3	0.0	0.0%
84.0%	186.6	188.5	1.9	1.0%
85.2%	186.1	186.9	0.7	0.4%
86.4%	185.9	185.9	0.0	0.0%
87.7%	185.6	185.6	0.0	0.0%
88.9%	185.0	185.2	0.1	0.1%
90.1%	183.8	185.1	1.2	0.7%
91.4%	181.8	181.8	0.0	0.0%
92.6%	180.9	180.8	-0.1	-0.1%
93.8%	180.6	180.5	-0.2	-0.1%
95.1%	179.0	179.0	0.0	0.0%
96.3%	180.7	179.2	-11.5	-6.4%
97.5%	180.1	179.1	-1.0	-0.6%
98.8%	178.1	177.9	-0.2	-0.1%
100.0%	177.5	177.5	0.0	0.0%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	2843.2	2814.9	-28.3	-1.0%
1.2%	2671.8	2221.7	-450.1	-16.8%
2.5%	2584.1	1981.6	-592.5	-22.9%
3.7%	1922.1	1956.1	33.9	1.8%
4.9%	1870.1	1842.7	-27.4	-1.5%
6.2%	1662.6	1609.5	-53.1	-3.2%
7.4%	1471.8	1550.4	78.6	5.3%
8.6%	1482.6	1491.3	8.6	2.0%
9.9%	1434.7	1373.4	-61.3	-4.3%
11.1%	1426.5	1306.9	-119.6	-8.4%
12.3%	1409.6	1228.0	-181.7	-12.9%
13.6%	1269.9	1063.5	-206.3	-16.2%
14.8%	1045.3	1024.9	-20.4	-2.0%
16.0%	1012.5	942.9	-69.6	-6.9%
17.3%	957.0	932.0	-25.0	-2.6%
18.5%	904.1	868.6	-35.5	-3.9%
19.8%	857.4	848.8	-8.7	-1.0%
21.0%	854.6	842.1	-12.5	-1.5%
22.2%	826.2	835.6	9.4	1.1%
23.5%	824.8	831.6	6.8	0.8%
24.7%	816.4	825.0	8.6	1.1%
25.9%	800.8	774.3	-26.5	-3.3%
27.2%	783.4	761.7	-21.7	-2.8%
28.4%	778.5	744.6	-33.8	-4.3%
29.6%	761.5	740.6	-20.9	-2.7%
30.9%	759.2	740.0	-19.2	-2.5%
32.1%	743.9	735.0	-8.9	-1.2%
33.3%	723.2	725.8	2.6	0.4%
34.5%	722.7	725.4	2.8	0.4%
35.8%	666.5	600.9	-65.6	-9.8%
37.0%	570.2	567.2	-3.0	-0.5%
38.3%	539.7	541.7	2.0	0.4%
39.5%	530.2	530.1	-0.2	0.0%
40.7%	525.5	525.3	-0.3	-0.1%
42.0%	517.9	507.8	-10.1	-2.0%
43.2%	516.5	503.5	-13.0	-2.5%
44.4%	505.9	502.0	-3.9	-0.8%
45.7%	503.9	471.1	-32.8	-6.5%
46.9%	463.8	460.6	-3.1	-0.7%
48.1%	461.9	451.5	-10.4	-2.3%
49.4%	394.7	451.3	56.6	14.3%
50.6%	451.3	428.5	-22.8	-5.0%
51.9%	414.4	416.9	2.5	0.6%
53.1%	387.3	372.9	-14.3	-3.7%
54.3%	382.4	372.2	-10.3	-2.7%
55.6%	375.5	370.0	-5.5	-1.5%
56.8%	371.6	354.0	-17.6	-4.7%
58.0%	355.7	349.2	-6.5	-1.8%
59.3%	353.2	348.1	-5.1	-1.5%
60.5%	348.1	341.5	-6.6	-1.9%
61.7%	346.9	339.0	-7.8	-2.3%
63.0%	344.8	338.3	-6.5	-1.9%
64.2%	344.7	335.4	-9.3	-2.7%
65.4%	344.5	333.7	-10.9	-3.2%
66.7%	343.7	332.2	-11.5	-3.3%
67.9%	339.3	329.4	-9.9	-2.9%
69.1%	331.9	328.5	-3.4	-1.0%
70.4%	331.7	328.4	-3.3	-1.0%
71.6%	324.2	323.1	-1.1	-0.3%
72.8%	317.4	320.1	2.7	0.8%
74.1%	315.3	317.4	2.1	0.7%
75.3%	308.1	308.9	0.8	0.3%
76.5%	307.5	306.0	-1.5	-0.5%
77.8%	305.8	304.6	-1.2	-0.4%
79.0%	304.8	302.6	-2.3	-0.7%
80.2%	300.5	301.4	0.9	0.3%
81.5%	284.4	283.1	-1.3	-0.5%
82.7%	283.0	279.7	-3.2	-1.1%
84.0%	275.0	279.4	4.4	1.6%
85.2%	272.7	273.7	1.0	0.4%
86.4%	272.4	272.6	0.2	0.1%
87.7%	271.2	271.6	0.4	0.1%
88.9%	269.3	269.6	0.3	0.1%
90.1%	266.4	269.4	3.0	1.1%
91.4%	261.1	258.6	-2.5	-0.9%
92.6%	254.9	255.5	0.5	0.2%
93.8%	239.7	239.0	0.0	0.0%
95.1%	219.7	221.1	1.4	0.6%
96.3%	205.0	201.1	-4.0	-1.9%
97.5%	195.9	195.1	-0.8	-0.4%
98.8%	189.0	189.1	0.2	0.1%
100.0%	187.4	187.5	0.0	0.0%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	2826.6	2842.5	15.9	0.6%
1.2%	2646.3	2662.4	16.1	0.6%
2.5%	2587.9	2435.3	-152.5	-5.9%
3.7%	2503.2	2395.9	-107.3	-4.3%
4.9%	2475.6	2394.7	-80.9	-3.3%
6.2%	2448.4	2377.6	-70.8	-2.9%
7.4%	2444.7	2311.9	-132.8	-5.4%
8.6%	2431.2	2259.9	-171.3	-7.0%
9.9%	2343.5	2152.6	-190.9	-8.1%
11.1%	2290.5	2033.0	-257.5	-11.2%
12.3%	2261.9	1956.8	-305.1	-13.5%
13.6%	2206.4	1833.9	-372.5	-16.9%
14.8%	1966.6	1739.6	-227.1	-11.5%
16.0%	1865.1	1726.3	-138.8	-7.4%
17.3%	1863.5	1682.0	-181.5	-9.7%
18.5%	1847.7	1677.3	-170.5	-9.2%
19.8%	1825.1	1673.1	-152.0	-8.3%
21.0%	1796.6	1656.6	-140.0	-7.8%
22.2%	1783.9	1637.7	-146.2	-8.2%
23.5%	1779.9	1596.7	-183.2	-10.3%
24.7%	1745.4	1579.1	-166.3	-9.5%
25.9%	1741.8	1523.8	-218.0	-12.5%
27.2%	1705.3	1521.0	-184.3	-10.8%
28.4%	1701.3	1488.3	-213.0	-12.5%
29.6%	1683.8	1434.2	-249.6	-14.8%
30.9%	1649.7	1394.5	-255.2	-15.5%
32.1%	1643.9	1347.4	-296.5	-18.0%
33.3%	1626.8	1192.5	-434.3	-26.7%
34.5%	1625.9	1117.6	-508.3	-31.3%
35.8%	1222.5	1109.1	-113.3	-9.3%
37.0%	1203.0	1093.6	-109.4	-9.1%
38.3%	1177.0	1084.7	-92.3	-7.8%
39.5%	1083.3	1065.5	-17.8	-1.6%
40.7%	1083.2	1055.9	-27.2	-2.5%
42.0%	1071.8	1002.2	-69.6	-6.5%
43.2%	1054.7	982.5	-72.2	-6.8%
44.4%	1038.7	965.8	-72.8	-7.0%
45.7%	1037.9	961.0	-76.9	-7.4%
46.9%	1029.0	953.1	-75.9	-7.4%
48.1%	984.3	937.9	-46.3	-4.7%
49.4%	966.3	936.2	-30.1	-3.1%
50.6%	963.4	930.8	-32.6	-3.4%
51.9%	954.0	919.4	-34.6	-3.6%
53.1%	943.4	895.9	-47.4	-5.0%
54.3%	935.7	884.6	-51.2	-5.5%
55.6%	934.3	884.4	-49.9	-5.3%
56.8%	928.8	884.1	-44.7	-4.8%
58.0%	909.0	860.9	-48.2	-5.3%
59.3%	903.5	859.9	-43.6	-4.8%
60.5%	901.8	850.4	-51.4	-5.7%
61.7%	897.7	846.9	-50.7	-5.7%
63.0%	885.2	840.0	-45.2	-5.1%
64.2%	882.1	836.1	-46.0	-5.2%
65.4%	864.4	835.1	-29.3	-3.4%
66.7%	864.5	834.7	-29.8	-3.4%
67.9%	863.9	832.9	-31.0	-3.6%
69.1%	851.2	820.6	-30.6	-3.6%
70.4%	849.2	830.0	-19.2	-2.3%
71.6%	838.3	820.5	-17.8	-2.1%
72.8%	837.8	819.2	-18.6	-2.2%
74.1%	834.9	812.5	-22.4	-2.7%
75.3%	827.4	798.9	-28.5	-3.4%
76.5%	812.1	781.4	-30.7	-3.8%
77.8%	810.8	776.8	-34.1	-4.2%
79.0%	801.5	773.5	-28.0	-3.5%
80.2%	800.6	744.4	-56.2	-7.0%
81.5%	794.5	738.1	-56.3	-7.1%
8				

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
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6007.8	5181.1	3774.7	1811.2	685.0	539.0	678.3	1169.9	2270.6	3304.4	5382.0	5202.4
DCR 2015 With Project	5505.8	4850.8	3833.4	1970.2	803.0	592.5	691.1	1175.0	2224.2	3242.3	5240.5	4901.6
Difference	-502.0	-330.3	-58.6	159.0	118.1	53.4	12.8	5.1	-46.4	-62.1	-141.5	-300.8
Percent Difference <sup>2</sup>	-8.4%	-6.4%	1.6%	8.8%	17.2%	9.9%	1.9%	0.4%	-2.0%	-1.9%	-2.6%	-5.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1543.3	1127.2	1837.5	368.3	200.1	200.8	218.8	278.6	703.3	1487.7	3898.7	1174.2
DCR 2015 With Project	1501.6	1119.9	1902.9	407.7	201.2	206.9	219.0	279.6	684.6	1470.1	3852.7	1145.4
Difference	-41.7	-7.3	65.4	39.3	1.1	6.1	0.2	1.0	-18.7	-17.7	-46.0	-28.8
Percent Difference	-2.7%	-0.6%	3.6%	10.7%	0.5%	3.0%	0.1%	0.3%	-2.7%	-1.2%	-1.2%	-2.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	3492.5	2924.6	2431.7	956.9	274.1	205.1	236.7	367.4	1453.9	1984.9	4294.3	2733.0
DCR 2015 With Project	3306.2	2882.7	2704.0	1106.6	305.8	225.9	244.4	367.1	1422.8	1951.2	4147.3	2571.9
Difference	-186.2	-41.9	272.2	149.7	31.7	20.8	7.7	-0.3	-31.1	-33.7	-147.1	-161.1
Percent Difference	-5.3%	-1.4%	11.2%	15.6%	11.6%	10.2%	3.3%	-0.1%	-2.1%	-1.7%	-3.4%	-5.9%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	8001.1	6504.4	4060.2	1895.5	437.6	381.6	438.4	753.1	2035.7	3041.2	5073.6	6989.4
DCR 2015 With Project	7164.3	5684.3	4007.0	2154.0	473.0	462.5	462.9	771.1	2005.9	2992.8	4908.9	6498.5
Difference	-836.7	-820.1	-53.2	258.6	35.4	80.8	24.5	18.0	-29.8	-48.4	-164.6	-491.0
Percent Difference	-10.5%	-12.6%	-1.3%	13.6%	8.1%	21.2%	5.6%	2.4%	-1.5%	-1.6%	-3.2%	-7.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	9536.5	8034.6	4814.4	2819.3	1080.8	674.0	839.4	1579.1	3074.7	4565.2	6676.4	8476.0
DCR 2015 With Project	8632.2	7636.1	4905.4	2993.9	1245.2	753.2	890.8	1560.7	3055.8	4528.9	6364.4	7713.6
Difference	-904.3	-398.5	91.0	174.6	164.4	79.2	51.3	-18.4	-19.0	-36.3	-312.0	-762.4
Percent Difference	-9.5%	-5.0%	1.9%	6.2%	15.2%	11.7%	6.1%	-1.2%	-0.6%	-0.8%	-4.7%	-9.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	10577.6	10397.3	7422.6	4181.3	1841.2	1586.8	2153.3	3776.0	5550.8	6975.6	8102.0	9403.9
DCR 2015 With Project	9756.9	9752.3	7334.8	4469.3	2326.0	1705.0	2127.3	3815.8	5368.7	6734.4	8041.8	9288.4
Difference	-820.8	-644.9	-87.8	288.1	484.8	118.1	-26.0	39.7	-182.1	-241.1	-60.2	-115.5
Percent Difference	-7.8%	-6.2%	-1.2%	6.9%	26.3%	7.4%	-1.2%	1.1%	-3.3%	-3.5%	-0.7%	-1.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

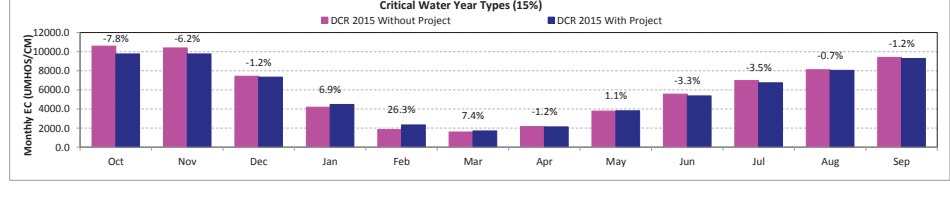
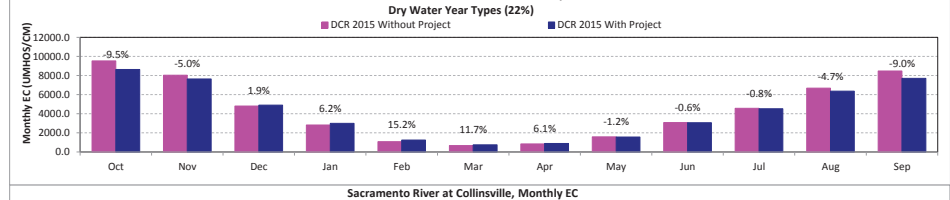
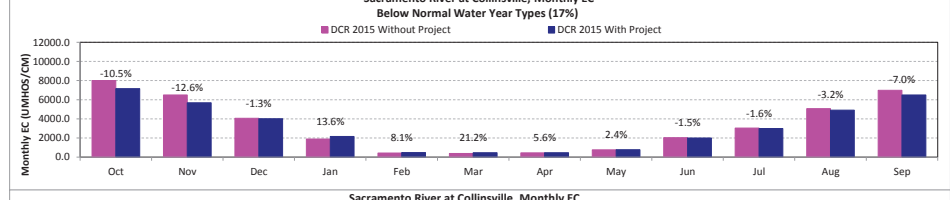
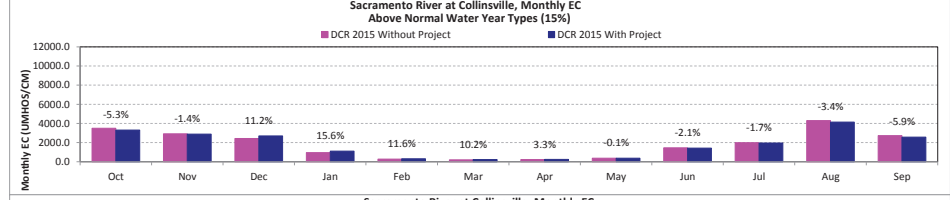
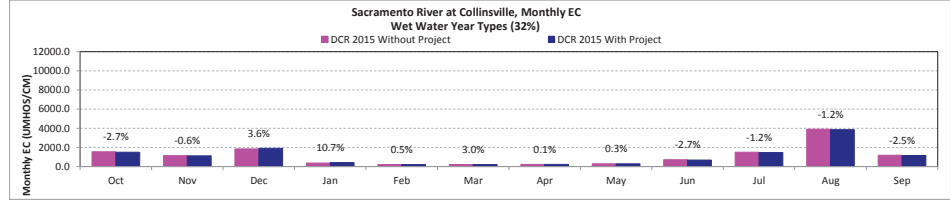
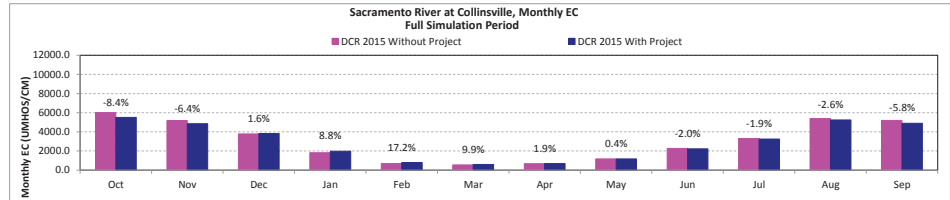


Figure SQ-22-b  
 Sacramento River at Collinsville, Monthly EC  
 Probability of Exceedance

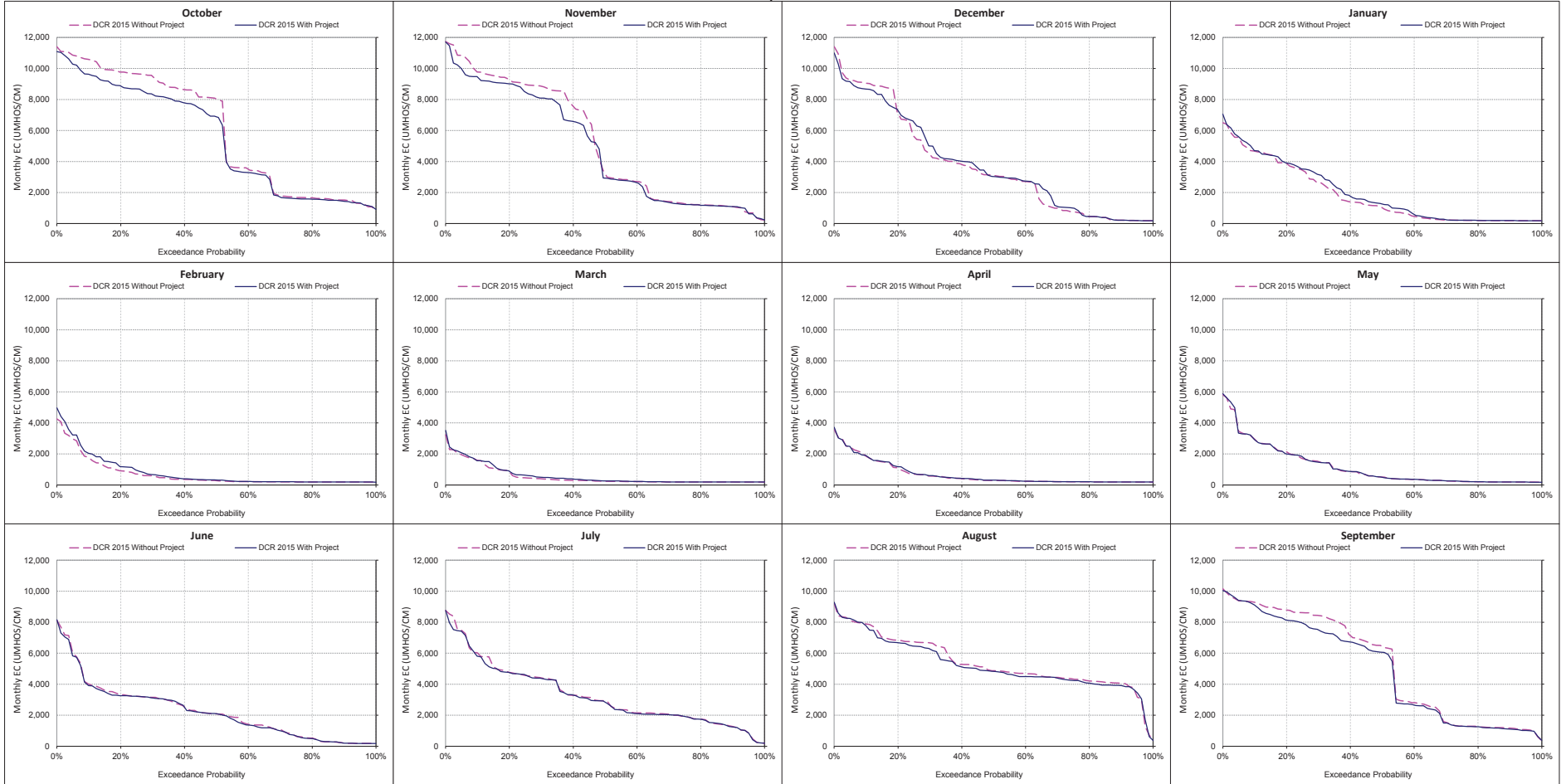




Table SQ-22-b  
Sacramento River at Collinsville, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	11400.6	11400.6	-307.2	-2.7%	
1.2%	11103.4	11028.2	-75.1	-0.7%	
2.5%	11081.1	10825.8	-255.3	-2.3%	
3.7%	10824.2	10624.2	-413.2	-3.8%	
4.9%	10858.1	10286.4	-571.6	-5.3%	
6.2%	10802.3	10208.5	-593.8	-5.5%	
7.4%	10708.4	9883.4	-824.9	-7.7%	
8.6%	10629.7	9890.9	-738.8	-7.0%	
9.9%	10590.5	9636.6	-953.9	-9.0%	
11.1%	10531.8	9538.4	-993.4	-9.4%	
12.3%	10430.9	9430.6	-1000.3	-9.6%	
13.6%	10065.7	9279.1	-786.6	-7.8%	
14.8%	9937.3	9197.7	-739.7	-7.4%	
16.0%	9914.9	9178.5	-736.4	-7.4%	
17.3%	9907.8	8981.9	-925.9	-9.3%	
18.5%	9857.8	8914.3	-943.5	-9.6%	
19.8%	9770.6	8900.3	-870.3	-8.9%	
21.0%	9769.5	8763.8	-1005.7	-10.3%	
22.2%	9718.1	8718.3	-999.8	-10.3%	
23.5%	9678.9	8693.7	-985.3	-10.2%	
24.7%	9666.2	8682.0	-984.2	-10.2%	
25.9%	9637.9	8637.9	-1000.0	-10.5%	
27.2%	9633.0	8512.8	-1120.3	-11.6%	
28.4%	9569.4	8378.0	-1191.4	-12.5%	
29.6%	9557.3	8369.7	-1187.7	-12.4%	
30.9%	9320.3	8220.3	-1100.0	-11.8%	
32.1%	9106.8	8190.6	-916.2	-10.1%	
33.3%	9050.6	8183.1	-867.5	-9.6%	
34.5%	8915.8	8099.7	-816.1	-9.1%	
35.8%	8785.2	8038.5	-746.7	-8.5%	
37.0%	8778.1	7895.4	-882.8	-10.1%	
38.3%	8673.7	7880.6	-793.2	-9.1%	
39.5%	8647.7	7807.7	-840.0	-9.7%	
40.7%	8615.9	7750.6	-865.3	-10.0%	
42.0%	8514.7	7728.9	-785.8	-9.2%	
43.2%	8555.3	7622.3	-893.0	-10.5%	
44.4%	8159.3	7464.9	-694.4	-8.5%	
45.7%	8158.3	7340.4	-817.9	-10.0%	
46.9%	8141.9	7085.0	-1057.0	-13.0%	
48.1%	8113.6	6930.5	-1183.1	-14.6%	
49.4%	8099.2	6922.0	-1167.1	-14.4%	
50.6%	7967.8	6842.5	-1125.2	-14.1%	
51.9%	7900.7	6342.8	-1557.8	-19.7%	
53.1%	3970.2	3965.8	-4.4	-0.1%	
54.3%	3657.1	3519.4	-137.7	-3.8%	
55.6%	3621.1	3394.0	-227.1	-6.3%	
56.8%	3602.7	3359.0	-243.8	-6.8%	
58.0%	3592.9	3307.3	-285.6	-7.9%	
59.3%	3591.5	3304.0	-287.6	-8.0%	
60.5%	3436.4	3287.2	-149.2	-4.3%	
61.7%	3407.4	3242.1	-165.3	-4.9%	
63.0%	3401.4	3187.6	-213.8	-6.3%	
64.2%	3291.2	3141.2	-149.9	-4.6%	
65.4%	3263.7	3121.1	-142.6	-4.4%	
66.7%	3074.1	2846.1	-227.9	-7.4%	
67.9%	1937.8	1837.0	-100.8	-5.2%	
69.1%	1841.3	1795.6	-45.7	-2.5%	
70.4%	1771.0	1665.1	-105.9	-6.0%	
71.6%	1759.1	1658.9	-100.2	-5.7%	
72.8%	1727.1	1628.4	-98.7	-5.7%	
74.1%	1718.8	1625.2	-93.6	-5.4%	
75.3%	1679.7	1596.6	-83.1	-5.0%	
76.5%	1679.3	1591.9	-87.5	-5.2%	
77.8%	1671.7	1581.2	-90.5	-5.4%	
79.0%	1660.1	1576.7	-83.5	-5.0%	
80.2%	1652.6	1569.9	-82.7	-5.0%	
81.5%	1615.2	1566.9	-48.2	-3.0%	
82.7%	1614.3	1557.0	-57.3	-3.5%	
84.0%	1606.3	1531.0	-75.3	-4.7%	
85.2%	1591.8	1502.1	-89.7	-5.6%	
86.4%	1529.3	1494.8	-34.6	-2.3%	
87.7%	1520.9	1495.6	-25.3	-1.7%	
88.9%	1520.0	1465.6	-54.4	-3.6%	
90.1%	1518.2	1431.8	-86.3	-5.7%	
91.4%	1480.8	1410.2	-70.6	-4.8%	
92.6%	1466.6	1343.0	-123.6	-8.4%	
93.8%	1311.9	1340.9	29.0	2.2%	
95.1%	1306.2	1331.3	25.1	2.0%	
96.3%	1249.5	1192.0	-57.5	-4.6%	
97.5%	1082.3	1161.0	78.7	7.3%	
98.8%	1077.2	1091.2	14.0	1.3%	
100.0%	786.3	913.0	126.7	16.1%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	11735.4	11708.7	-26.7	-0.2%	
1.2%	11599.2	11462.0	-137.2	-1.2%	
2.5%	11509.9	10347.8	-1162.1	-10.1%	
3.7%	10858.7	10230.5	-628.3	-5.8%	
4.9%	10847.5	9990.5	-857.1	-7.9%	
6.2%	10720.0	8802.0	-1118.0	-10.4%	
7.4%	10263.7	8476.3	-970.0	-9.3%	
8.6%	10037.8	9493.0	-561.5	-5.6%	
9.9%	9775.0	9475.3	-299.7	-3.1%	
11.1%	9763.3	9216.2	-547.1	-5.6%	
12.3%	9659.6	9198.4	-461.2	-4.8%	
13.6%	9597.2	9187.2	-410.0	-4.3%	
14.8%	9548.4	9111.6	-437.2	-4.6%	
16.0%	9510.6	9080.0	-430.6	-4.5%	
17.3%	9435.1	9067.7	-367.4	-3.9%	
18.5%	9430.7	9090.6	-380.2	-4.0%	
19.8%	9312.5	9020.6	-291.9	-3.1%	
21.0%	9136.4	9002.1	-134.3	-1.5%	
22.2%	9110.5	8903.2	-207.2	-2.3%	
23.5%	9084.2	8806.3	-277.8	-3.1%	
24.7%	8977.9	8525.5	-452.5	-5.0%	
25.9%	8937.5	8307.9	-629.6	-7.0%	
27.2%	8918.0	8303.2	-614.8	-6.9%	
28.4%	8895.1	8164.0	-731.1	-8.2%	
29.6%	8877.1	8094.7	-782.4	-8.8%	
30.9%	8813.5	8086.3	-727.3	-8.3%	
32.1%	8703.1	8040.6	-662.5	-7.6%	
33.3%	8699.9	8039.9	-660.0	-7.6%	
34.5%	8665.8	7857.5	-708.3	-8.3%	
35.8%	8549.0	8062.3	-866.7	-10.5%	
37.0%	8545.3	6702.3	-1843.0	-21.6%	
38.3%	7974.7	6633.2	-1341.6	-16.8%	
39.5%	7674.9	6603.0	-1071.9	-14.0%	
40.7%	7385.9	6548.2	-837.8	-11.3%	
42.0%	7306.7	6466.2	-840.5	-11.5%	
43.2%	7278.9	6327.7	-951.1	-13.1%	
44.4%	6730.8	5660.1	-1070.7	-15.9%	
45.7%	6401.5	5285.6	-1115.9	-17.4%	
46.9%	4953.0	4225.4	-727.6	-14.7%	
48.1%	4797.2	4810.0	638.8	13.3%	
49.4%	4929.1	2941.0	-1988.1	-40.3%	
50.6%	2902.3	2923.9	21.6	0.7%	
51.9%	2940.3	2874.8	-65.4	-2.2%	
53.1%	2903.0	2863.5	-39.5	-1.4%	
54.3%	2874.3	2796.0	-78.3	-2.7%	
55.6%	2830.3	2788.9	-41.4	-1.5%	
56.8%	2830.2	2767.1	-63.1	-2.2%	
58.0%	2783.2	2731.3	-51.9	-1.9%	
59.3%	2712.1	2671.9	-40.2	-1.5%	
60.5%	2706.9	2589.3	-117.6	-4.3%	
61.7%	2630.1	2378.0	-252.1	-9.6%	
63.0%	2424.1	1753.1	-671.0	-27.7%	
64.2%	1628.9	1597.7	-31.2	-1.9%	
65.4%	1528.1	1496.1	-32.0	-2.1%	
66.7%	1519.3	1478.1	-41.2	-2.7%	
67.9%	1464.0	1450.7	-13.3	-0.9%	
69.1%	1427.2	1397.2	-30.0	-2.1%	
70.4%	1415.9	1348.2	-67.8	-4.8%	
71.6%	1390.8	1299.7	-91.2	-6.6%	
72.8%	1342.2	1272.6	-69.6	-5.2%	
74.1%	1311.1	1234.5	-76.6	-5.8%	
75.3%	1258.1	1226.3	-31.9	-2.5%	
76.5%	1247.8	1251.9	4.1	0.3%	
77.8%	1218.3	1199.4	-18.8	-1.5%	
79.0%	1217.9	1199.3	-18.6	-1.5%	
80.2%	1204.8	1168.6	-36.2	-3.0%	
81.5%	1189.7	1167.3	-22.4	-1.9%	
82.7%	1185.0	1160.0	-25.0	-2.1%	
84.0%	1173.8	1159.3	-14.6	-1.2%	
85.2%	1164.8	1131.8	-33.0	-2.8%	
86.4%	1160.0	1126.3	-33.7	-2.9%	
87.7%	1149.3	1122.8	-26.5	-2.3%	
88.9%	1127.1	1104.6	-22.5	-2.0%	
90.1%	1087.2	1094.0	6.8	0.6%	
91.4%	1037.1	1086.8	49.7	4.8%	
92.6%	1019.0	1012.0	-7.0	-0.7%	
93.8%	763.1	980.0	216.9	28.4%	
95.1%	682.4	629.6	-52.8	-7.7%	
96.3%	612.0	617.2	5.2	0.8%	
97.5%	358.5	383.6	25.1	7.0%	
98.8%	258.3	309.8	51.5	20.0%	
100.0%	223.8	225.1	1.3	0.6%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	11409.9	10996.7	-413.2	-3.6%	
1.2%	10950.1	10300.5	-649.6	-5.9%	
2.5%	9740.7	9332.2	-407.4	-4.2%	
3.7%	9381.7	9179.4	-212.3	-2.3%	
4.9%	9251.3	9151.0	-100.4	-1.1%	
6.2%	9219.0	8892.2	-326.8	-3.5%	
7.4%	9203.7	8758.8	-464.9	-5.0%	
8.6%	9108.3	8700.5	-407.8	-4.5%	
9.9%	9055.6	8668.1	-387.5	-4.3%	
11.1%	9025.8	8664.2	-361.6	-4.0%	
12.3%	8900.2	8577.3	-322.9	-3.6%	
13.6%	8879.2	8338.6	-540.6	-6.1%	
14.8%	8854.8	8338.5	-521.0	-5.9%	
16.0%	8781.0	7896.7	-884.3	-10.1%	
17.3%	8725.0	7632.6	-1092.4	-12.5%	
18.5%	8646.5	7497.6	-1168.8	-13.4%	
19.8%	7198.2	7363.6	165.4	2.3%	
21.0%	6727.2	6969.3	242.1	3.6%	
22.2%	6692.0	6805.5	113.4	1.7%	
23.5%	6624.9	6706.2	81.3	1.2%	
24.7%	6579.8	6624.7	944.9	16.6%	
25.9%	6505.3	6599.3	894.0	15.4%	
27.2%	6389.2	6202.2	-813.0	-15.1%	
28.4%	4734.2	5607.8	873.6	18.5%	
29.6%	4550.3	5016.1	465.8	10.2%	
30.9%	4243.7	4986.0	742.3	17.5%	
32.1%	4213.0	4504.9	291.9	6.9%	
33.3%	4104.4	4268.0	161.6	3.9%	
34.5%	4098.0	4191.4	93.4	2.3%	
35.8%	4016.5	4168.4	151.9	3.8%	
37.0%	4010.1	4140.9	130.7	3.3%	
38.3%	3886.5	4061.5	175.0	4.5%	
39.5%	3850.9	4030.4	179.5	4.7%	
40.7%	3749.0	4000.7	251.7	6.7%	
42.0%	3736.2	3987.7	251.5	6.7%	
43.2%	3518.8	3924.7	405.9	11.5%	
44.4%	3482.7	3691.8	209.1	6.0%	
45.7%	3241.6	3452.5	211.0	6.5%	
46.9%	3150.8	3425.6	299.9	9.5%	
48.1%	3144.3	3131.6	-12.8	-0.4%	
49.4%	3129				

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	4254.9	4958.1	703.2	16.5%
1.2%	4077.2	4424.6	347.4	8.5%
2.5%	3333.6	4037.1	703.5	21.2%
3.7%	3581.7	395.6	12.4%	0.3%
4.9%	2976.8	3225.6	248.8	8.4%
6.2%	2846.3	3111.4	265.1	12.8%
7.4%	2226.1	2560.8	334.7	15.0%
8.6%	1858.3	2173.7	315.5	17.0%
9.9%	1776.1	2041.1	265.0	14.8%
11.1%	1552.8	1987.3	424.4	27.2%
12.3%	1426.5	1819.1	392.6	27.5%
13.6%	1408.8	1810.9	402.0	28.5%
14.8%	1225.0	1520.6	295.6	24.1%
16.0%	1098.7	1506.8	408.1	37.1%
17.3%	1096.8	1460.2	363.4	33.1%
18.5%	974.3	1419.3	445.0	45.7%
19.8%	912.7	1185.9	273.2	29.9%
21.0%	891.1	1167.5	276.4	31.0%
22.2%	844.5	1148.5	304.0	36.0%
23.5%	808.5	1125.2	316.7	39.2%
24.7%	702.1	955.4	253.4	36.1%
25.9%	695.0	925.5	230.5	33.2%
27.2%	602.8	808.5	205.7	34.2%
28.4%	599.8	710.3	110.4	18.4%
29.6%	591.9	650.1	58.2	9.8%
30.9%	550.8	604.2	134.4	28.6%
32.1%	469.8	577.3	110.4	23.7%
33.3%	466.6	577.3	110.4	23.7%
34.5%	459.4	527.9	68.5	14.9%
35.8%	376.6	489.9	113.3	30.1%
37.0%	365.6	464.2	98.6	27.0%
38.3%	362.6	437.5	74.9	20.7%
39.5%	359.0	393.9	34.9	9.7%
40.7%	351.6	388.1	36.5	10.4%
42.0%	351.3	374.1	22.9	6.5%
43.2%	328.0	358.9	30.9	9.4%
44.4%	311.2	341.8	30.6	9.8%
45.7%	310.3	340.4	30.1	9.7%
46.9%	295.3	327.3	31.9	10.8%
48.1%	287.0	324.7	37.7	13.1%
49.4%	284.7	320.5	35.8	12.6%
50.6%	260.8	315.8	55.0	21.1%
51.9%	246.7	307.8	61.0	24.7%
53.1%	244.4	275.0	30.6	12.5%
54.3%	226.5	254.2	27.7	12.2%
55.6%	217.6	248.7	31.2	14.3%
56.8%	215.5	220.7	5.2	2.4%
58.0%	214.6	218.1	3.5	1.6%
59.3%	213.2	217.6	4.4	2.1%
60.5%	211.9	216.6	4.7	2.2%
61.7%	210.8	214.1	3.3	1.6%
63.0%	209.5	211.0	1.5	0.7%
64.2%	205.1	211.0	5.9	2.9%
65.4%	205.1	206.6	1.5	0.7%
66.7%	204.2	205.4	1.1	0.6%
67.9%	201.4	203.6	2.2	1.1%
69.1%	201.2	202.7	1.6	0.8%
70.4%	198.1	201.2	3.1	1.5%
71.6%	197.8	199.0	1.2	0.6%
72.8%	199.8	198.8	-1.0	-0.5%
74.1%	196.6	198.6	1.9	1.0%
75.3%	195.3	196.0	0.7	0.3%
76.5%	193.5	195.2	1.7	0.9%
77.8%	193.1	195.2	2.1	1.1%
79.0%	192.7	193.4	0.7	0.3%
80.2%	191.8	192.2	0.4	0.2%
81.5%	191.4	192.3	0.9	0.5%
82.7%	191.0	191.0	0.0	0.0%
84.0%	190.9	190.7	-0.2	-0.1%
85.2%	190.3	190.2	-0.1	0.0%
86.4%	189.8	190.0	0.2	0.1%
87.7%	189.8	189.8	0.0	0.0%
88.9%	188.8	189.7	0.9	0.5%
90.1%	188.8	189.2	0.4	0.2%
91.4%	188.0	188.4	0.4	0.2%
92.6%	187.9	188.0	0.1	0.1%
93.8%	187.4	187.2	-0.3	-0.1%
95.1%	186.9	187.0	0.1	0.1%
96.3%	186.3	186.3	0.0	0.0%
97.5%	186.3	186.1	-0.1	-0.1%
98.8%	185.4	185.4	0.0	0.0%
100.0%	181.1	181.1	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	3234.6	3507.6	273.0	8.4%
1.2%	2279.4	2457.3	177.9	7.8%
2.5%	2299.8	2266.7	-3.1	-0.1%
3.7%	2059.9	2188.1	128.1	6.2%
4.9%	1953.3	2069.0	115.8	5.9%
6.2%	1844.1	1969.1	125.0	6.8%
7.4%	1745.0	1816.2	71.3	4.1%
8.6%	1718.9	1729.7	12.9	0.7%
9.9%	1596.0	1556.1	-30.0	-1.9%
11.1%	1553.0	1551.9	-1.1	-0.1%
12.3%	1297.3	1509.4	212.0	16.3%
13.6%	1108.5	1506.2	397.6	35.9%
14.8%	1075.3	1307.4	232.1	21.6%
16.0%	1009.5	1085.8	76.3	7.6%
17.3%	960.8	975.1	14.2	1.5%
18.5%	945.1	950.4	5.3	0.6%
19.8%	928.0	913.0	-15.0	-1.6%
21.0%	602.7	741.4	138.7	23.0%
22.2%	500.6	659.1	158.5	31.7%
23.5%	460.4	649.0	188.6	41.0%
24.7%	460.3	629.0	168.7	36.7%
25.9%	454.4	603.9	149.5	32.9%
27.2%	429.2	586.1	156.9	36.6%
28.4%	414.3	507.9	93.6	22.6%
29.6%	405.2	502.0	96.8	23.9%
30.9%	377.7	489.3	111.6	29.5%
32.1%	370.3	484.4	114.1	30.8%
33.3%	350.3	470.1	119.7	34.2%
34.5%	333.9	430.8	96.9	29.0%
35.8%	311.9	429.7	117.8	37.8%
37.0%	311.5	424.9	113.4	36.4%
38.3%	298.4	397.0	98.6	33.0%
39.5%	296.4	386.9	90.5	30.5%
40.7%	292.3	360.0	67.7	23.2%
42.0%	274.9	357.7	82.7	29.9%
43.2%	286.0	333.2	47.1	16.5%
44.4%	284.3	313.2	28.9	10.2%
45.7%	284.3	304.1	19.9	7.0%
46.9%	246.6	298.3	51.6	20.9%
48.1%	245.5	283.7	38.2	15.6%
49.4%	234.7	264.9	30.2	11.3%
50.6%	237.5	264.8	27.4	11.5%
51.9%	231.6	263.3	31.7	13.7%
53.1%	231.4	266.0	26.6	11.5%
54.3%	228.1	263.4	25.3	11.1%
55.6%	222.3	244.5	22.2	10.0%
56.8%	217.7	236.0	18.3	8.4%
58.0%	216.0	227.3	11.3	5.2%
59.3%	215.5	219.0	3.5	1.6%
60.5%	207.8	218.4	10.5	5.1%
61.7%	206.5	214.4	9.9	4.8%
63.0%	200.1	207.1	7.0	3.5%
64.2%	200.0	204.3	4.3	2.2%
65.4%	199.2	201.6	2.4	1.2%
66.7%	199.2	200.6	1.5	0.7%
67.9%	196.7	200.3	3.5	1.8%
69.1%	194.0	196.8	2.8	1.4%
70.4%	192.9	192.8	-0.1	-0.1%
71.6%	192.5	192.1	-0.4	-0.2%
72.8%	191.5	192.0	0.5	0.3%
74.1%	191.1	191.6	0.5	0.3%
75.3%	190.6	191.4	0.8	0.4%
76.5%	189.7	191.1	1.4	0.7%
77.8%	189.5	191.0	1.5	0.8%
79.0%	189.4	190.4	1.0	0.5%
80.2%	189.3	189.2	-0.1	-0.1%
81.5%	189.0	189.1	0.1	0.0%
82.7%	188.5	188.9	0.4	0.2%
84.0%	188.3	188.7	0.4	0.2%
85.2%	187.7	188.6	0.9	0.5%
86.4%	187.5	188.6	1.1	0.6%
87.7%	187.2	188.2	1.0	0.5%
88.9%	187.0	187.7	0.7	0.4%
90.1%	187.0	187.1	0.1	0.0%
91.4%	186.3	187.0	0.7	0.4%
92.6%	186.1	186.2	0.1	0.0%
93.8%	185.7	185.7	0.0	0.0%
95.1%	185.7	185.7	0.0	0.0%
96.3%	184.7	184.2	-0.5	-0.3%
97.5%	183.0	183.0	0.0	0.0%
98.8%	182.1	182.1	0.0	0.0%
100.0%	181.4	181.4	0.0	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	3564.6	3716.2	151.6	4.3%
1.2%	3082.9	3034.7	-48.2	-1.6%
2.5%	3072.7	2909.6	-163.1	-5.3%
3.7%	2507.6	2525.2	17.7	0.7%
4.9%	2464.7	2490.0	25.3	1.0%
6.2%	2270.5	2095.0	-175.5	-7.7%
7.4%	2181.1	2080.2	-100.9	-4.6%
8.6%	2089.5	1935.1	-154.5	-7.4%
9.9%	1963.9	1932.9	-31.0	-1.6%
11.1%	1717.5	1724.4	6.9	0.4%
12.3%	1586.3	1578.4	-7.8	-0.5%
13.6%	1538.9	1572.8	33.9	2.2%
14.8%	1494.2	1518.0	23.7	1.6%
16.0%	1462.9	1497.8	34.8	2.4%
17.3%	1423.6	1464.9	41.3	2.9%
18.5%	1331.5	1246.5	-85.0	-6.4%
19.8%	1104.2	1179.9	75.7	6.9%
21.0%	965.7	1173.8	208.1	21.5%
22.2%	861.3	999.1	137.7	16.0%
23.5%	735.3	962.0	226.7	30.8%
24.7%	694.2	747.1	53.0	7.6%
25.9%	651.2	684.8	33.6	5.2%
27.2%	611.1	668.5	57.4	9.4%
28.4%	650.5	661.9	11.4	1.7%
29.6%	571.3	593.8	22.5	3.9%
30.9%	570.0	592.5	22.6	4.0%
32.1%	557.2	562.8	5.7	1.0%
33.3%	551.2	507.8	-43.4	-7.9%
34.5%	504.2	491.6	-12.6	-2.5%
35.8%	437.2	488.7	51.5	11.8%
37.0%	433.8	465.6	31.8	7.3%
38.3%	428.4	437.2	8.8	2.1%
39.5%	414.9	431.1	16.1	3.9%
40.7%	394.1	419.3	25.1	6.4%
42.0%	365.8	414.0	48.2	13.2%
43.2%	347.0	392.9	45.9	13.2%
44.4%	330.4	365.9	35.5	10.8%
45.7%	315.2	355.1	40.0	12.7%
46.9%	301.3	316.6	15.3	5.1%
48.1%	293.8	315.6	21.8	7.4%
49.4%	287.8	312.1	24.3	8.4%
50.6%	286.5	311.3	24.8	8.7%
51.9%	283.4	288.5	5.1	1.8%
53.1%	281.0	286.0	5.0	1.8%
54.3%	271.0	283.3	12.4	4.6%
55.6%	263.9	279.8	15.9	6.0%
56.8%	242.0	274.4	32.4	13.4%
58.0%	237.3	264.3	27.1	11.4%
59.3%	236.8	245.1	8.3	3.5%
60.5%	236.5	242.6	6.1	2.6%
61.7%	228.6	241.0	12.4	5.4%
63.0%	227.7	228.5	0.7	0.3%
64.2%	225.9	228.3	2.3	1.0%
65.4%	219.6	220.2	0.7	0.3%
66.7%	219.4	219.5	0.1	0.1%
67.9%	215.8	218.5	2.7	1.2%
69.1%	215.1	214.8	-0.2	-0.1%
70.4%	212.5	212.2	-0.3	-0.1%
71.6%	212.0	210.5	-1.5	-0.7%
72.8%	209.5	210.2	0.7	0.3%
74.1%	204.9	209.3	4.4	2.1%
75.3%	204.0	208.9	4.9	2.4%
76.5%	201.9	204.0	2.0	1.0%
77.8%	201.6	202.0	0.3	0.2%
79.0%	200.3			

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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	8118.8	8155.5	36.8	0.5%
1.2%	7696.7	7293.1	-403.5	-5.2%
2.5%	7179.3	7045.3	-134.0	-1.9%
3.7%	7140.7	6881.9	-258.9	-3.6%
4.9%	6035.2	5831.9	-203.3	-3.4%
6.2%	5764.4	5754.8	-0.9	-0.0%
7.4%	5352.0	5204.4	-147.7	-2.8%
8.6%	4170.8	4137.4	-33.4	-0.8%
9.9%	4009.3	3915.0	-94.2	-2.4%
11.1%	3911.4	3889.9	-21.5	-0.5%
12.3%	3865.1	3732.6	-132.5	-3.4%
13.6%	3757.0	3623.2	-133.9	-3.6%
14.8%	3623.7	3535.6	-88.1	-2.4%
16.0%	3532.9	3404.4	-128.5	-3.6%
17.3%	3520.2	3288.7	-231.5	-6.6%
18.5%	3425.0	3286.9	-138.1	-4.0%
19.8%	3326.8	3255.7	-71.1	-2.1%
21.0%	3313.4	3254.1	-59.4	-1.8%
22.2%	3265.8	3253.0	-12.8	-0.4%
23.5%	3250.0	3230.1	-19.9	-0.6%
24.7%	3225.4	3226.5	1.1	0.0%
25.9%	3215.5	3215.5	0.0	0.0%
27.2%	3178.3	3199.1	20.8	0.7%
28.4%	3162.4	3173.5	11.2	0.4%
29.6%	3152.1	3127.8	-24.2	-0.8%
30.9%	3151.1	3089.5	-61.6	-2.0%
32.1%	3064.5	3069.1	4.5	0.1%
33.3%	3054.2	3063.0	8.8	0.3%
34.5%	2981.7	2981.7	0.0	0.0%
35.8%	2909.7	2977.3	67.6	2.3%
37.0%	2764.9	2898.0	133.1	4.8%
38.3%	2707.8	2766.3	58.5	2.2%
39.5%	2612.9	2646.4	33.5	1.3%
40.7%	2412.1	2297.6	-114.4	-4.7%
42.0%	2315.8	2284.7	-31.2	-1.3%
43.2%	2304.1	2241.2	-62.9	-2.7%
44.4%	2149.9	2190.7	40.9	1.9%
45.7%	2149.5	2162.5	13.0	0.6%
46.9%	2144.2	2131.1	-13.1	-0.6%
48.1%	2108.8	2110.5	1.7	0.1%
49.4%	2103.9	2105.8	1.9	0.1%
50.6%	2073.4	2074.1	0.7	0.0%
51.9%	2072.8	2012.9	-59.9	-2.9%
53.1%	1965.3	1950.9	-14.4	-0.7%
54.3%	1907.1	1802.7	-104.4	-5.5%
55.6%	1894.2	1698.7	-195.5	-8.9%
56.8%	1857.2	1547.8	-309.4	-16.7%
58.0%	1539.7	1466.1	-73.6	-4.8%
59.3%	1456.3	1377.4	-78.9	-5.4%
60.5%	1388.8	1368.0	-20.8	-1.5%
61.7%	1370.4	1319.6	-50.8	-3.7%
63.0%	1369.1	1231.8	-137.3	-10.0%
64.2%	1367.5	1190.8	-176.7	-12.9%
65.4%	1291.2	1186.8	-104.4	-8.1%
66.7%	1230.2	1184.5	-45.7	-3.7%
67.9%	1127.9	1130.5	2.6	0.2%
69.1%	1066.9	1028.4	-38.5	-3.6%
70.4%	1049.6	984.4	-65.2	-6.2%
71.6%	867.2	911.9	44.7	5.1%
72.8%	859.2	765.6	-93.6	-8.9%
74.1%	742.3	726.7	-15.6	-2.1%
75.3%	612.7	639.2	26.5	4.3%
76.5%	611.5	564.0	-47.5	-7.8%
77.8%	545.2	513.5	-31.7	-5.8%
79.0%	527.8	499.5	-28.3	-5.4%
80.2%	518.9	485.6	-33.3	-6.4%
81.5%	429.7	421.8	-7.9	-1.8%
82.7%	306.3	333.9	27.7	9.0%
84.0%	292.1	292.6	0.4	0.1%
85.2%	282.7	292.2	9.5	3.4%
86.4%	280.6	282.4	1.8	0.6%
87.7%	264.1	282.0	17.7	6.7%
88.9%	235.6	225.1	-10.5	-4.4%
90.1%	198.0	198.2	0.1	0.1%
91.4%	193.4	193.6	0.2	0.1%
92.6%	191.6	191.6	0.0	0.0%
93.8%	186.8	186.6	-0.3	-0.1%
95.1%	186.4	185.9	-0.5	-0.2%
96.3%	184.1	185.0	0.9	0.5%
97.5%	185.1	183.9	-1.2	-0.6%
98.8%	181.1	181.0	-0.1	-0.1%
100.0%	181.0	180.7	-0.2	-0.1%

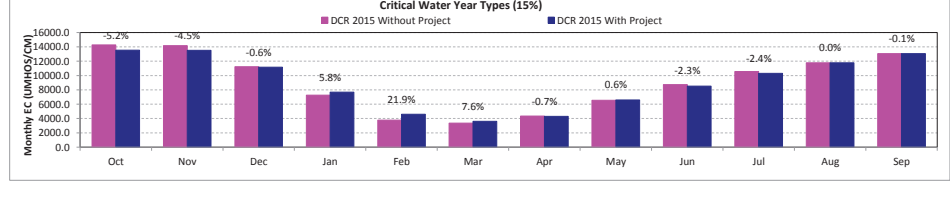
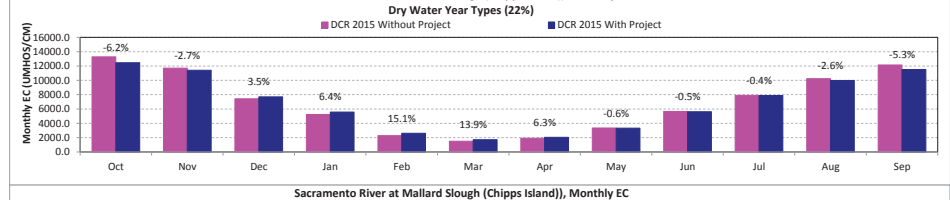
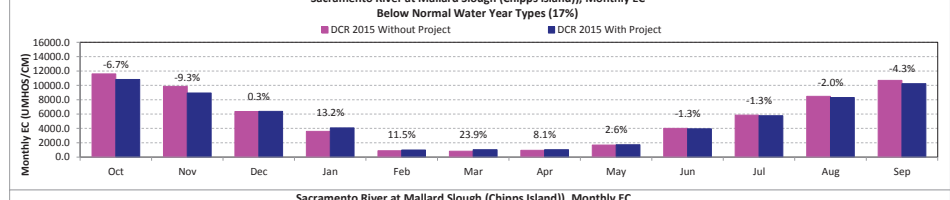
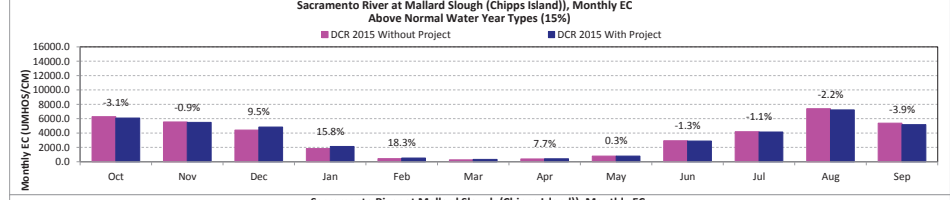
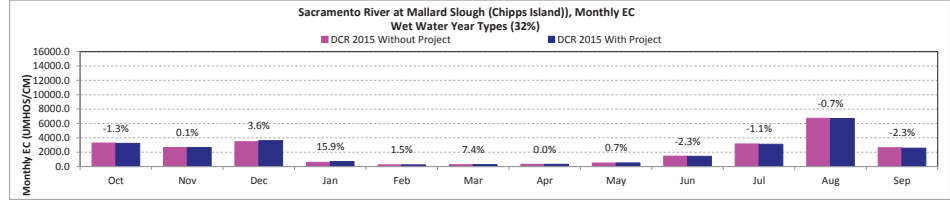
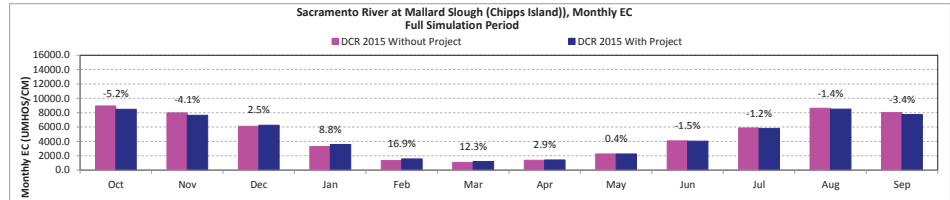
Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	8754.8	8764.5	9.7	0.1%
1.2%	8617.3	7969.3	-648.0	-6.4%
2.5%	7045.3	7516.9	471.6	6.7%
3.7%	7538.6	7454.2	-84.3	-1.1%
4.9%	7484.3	7422.2	-62.1	-0.8%
6.2%	7262.4	7140.4	-121.9	-1.7%
7.4%	6354.9	7973.4	1618.5	25.5%
8.6%	6047.0	6153.1	106.2	1.8%
9.9%	6031.4	5811.5	-220.0	-3.7%
11.1%	5782.4	5780.5	-1.9	-0.0%
12.3%	5780.9	5332.2	-448.7	-7.8%
13.6%	5769.3	5125.4	-643.9	-11.2%
14.8%	5184.4	5026.4	-158.0	-3.0%
16.0%	4988.6	5000.7	12.2	0.2%
17.3%	4920.3	4817.5	-102.8	-2.1%
18.5%	4881.2	4775.7	-105.5	-2.2%
19.8%	4770.3	4764.3	-6.0	-0.1%
21.0%	4724.6	4687.7	-36.9	-0.8%
22.2%	4659.9	4677.6	17.7	0.4%
23.5%	4644.7	4643.5	-1.2	-0.0%
24.7%	4577.2	4634.8	57.6	1.3%
25.9%	4577.2	4516.6	-60.6	-1.3%
27.2%	4498.8	4402.7	-96.1	-2.1%
28.4%	4450.7	4393.8	-56.9	-1.3%
29.6%	4425.8	4383.9	-41.8	-0.9%
30.9%	4371.4	4342.6	-28.8	-0.7%
32.1%	4367.4	4283.0	-84.5	-1.9%
33.3%	4291.2	4280.7	-10.6	-0.2%
34.5%	4258.0	4263.2	5.2	0.1%
35.8%	3837.7	3658.7	-179.0	-4.7%
37.0%	3488.7	3469.8	-18.9	-0.5%
38.3%	3310.9	3325.7	14.8	0.4%
39.5%	3287.6	3325.4	37.8	1.2%
40.7%	3284.5	3259.1	-25.4	-0.8%
42.0%	3204.7	3142.2	-62.5	-1.9%
43.2%	3164.1	3129.3	-34.7	-1.1%
44.4%	3152.7	3088.5	-64.2	-2.0%
45.7%	3138.2	2956.7	-181.5	-5.8%
46.9%	2969.9	2934.2	-35.7	-1.2%
48.1%	2940.6	2933.2	-7.4	-0.3%
49.4%	2910.5	2911.1	0.6	0.0%
50.6%	2917.7	2765.5	-152.2	-5.2%
51.9%	2666.7	2590.2	-76.5	-2.9%
53.1%	2485.3	2370.2	-115.1	-4.6%
54.3%	2374.5	2348.8	-25.7	-1.1%
55.6%	2349.7	2330.0	-19.7	-0.8%
56.8%	2244.6	2168.5	-76.2	-3.4%
58.0%	2196.1	2145.7	-50.4	-2.3%
59.3%	2151.8	2120.5	-31.3	-1.5%
60.5%	2149.7	2091.4	-58.2	-2.7%
61.7%	2148.4	2078.9	-69.5	-3.2%
63.0%	2144.2	2061.7	-82.6	-3.9%
64.2%	2142.2	2061.5	-80.7	-3.8%
65.4%	2124.5	2065.5	-59.0	-2.8%
66.7%	2100.4	2050.5	-49.9	-2.4%
67.9%	2100.0	2044.2	-55.8	-2.7%
69.1%	2079.0	2028.5	-50.5	-2.4%
70.4%	2060.2	2036.1	-24.1	-1.2%
71.6%	2004.2	2010.5	6.3	0.3%
72.8%	1992.8	2010.1	17.4	0.9%
74.1%	1935.5	1910.4	-25.1	-1.3%
75.3%	1911.3	1902.0	-9.3	-0.5%
76.5%	1855.2	1863.3	8.1	0.4%
77.8%	1772.7	1750.7	-22.0	-1.2%
79.0%	1760.4	1747.0	-13.4	-0.8%
80.2%	1744.0	1744.7	0.7	0.0%
81.5%	1711.1	1660.4	-50.7	-3.0%
82.7%	1507.5	1532.7	25.2	1.7%
84.0%	1470.7	1513.7	43.0	2.9%
85.2%	1443.2	1471.8	28.7	2.0%
86.4%	1411.4	1443.7	32.2	2.3%
87.7%	1381.2	1383.0	1.8	0.1%
88.9%	1320.6	1280.9	-39.7	-3.0%
90.1%	1263.0	1245.1	-17.9	-1.4%
91.4%	1199.1	1200.9	1.8	0.1%
92.6%	1045.3	1044.3	-1.0	-0.1%
93.8%	1025.0	1025.1	0.1	0.0%
95.1%	836.1	844.2	8.1	1.0%
96.3%	606.8	415.2	-191.6	-31.4%
97.5%	256.3	250.1	-6.3	-2.4%
98.8%	211.8	212.6	0.8	0.4%
100.0%	202.4	202.6	0.2	0.1%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	9203.5	9293.9	90.4	1.0%
1.2%	8411.8	8898.6	486.8	5.8%
2.5%	8326.4	8336.1	9.7	0.1%
3.7%	8302.6	8266.5	-36.0	-0.4%
4.9%	8102.6	8239.8	137.2	1.7%
6.2%	8032.8	8133.5	100.8	1.3%
7.4%	7973.4	7980.4	7.0	0.1%
8.6%	7961.0	7990.4	29.4	0.5%
9.9%	7889.9	7772.0	-117.9	-1.5%
11.1%	7848.5	7487.0	-361.5	-4.6%
12.3%	7708.8	7464.0	-244.8	-3.2%
13.6%	7442.1	6998.2	-443.9	-6.0%
14.8%	7044.0	6961.8	-82.2	-1.2%
16.0%	6984.2	6784.4	-199.7	-2.9%
17.3%	6906.6	6711.6	-195.0	-2.8%
18.5%	6857.1	6704.5	-152.6	-2.2%
19.8%	6844.2	6687.1	-157.2	-2.3%
21.0%	6815.0	6688.5	-126.5	-1.9%
22.2%	6760.2	6626.6	-133.6	-2.0%
23.5%	6751.4	6514.1	-237.3	-3.5%
24.7%	6748.8	6456.6	-292.2	-4.3%
25.9%	6748.8	6456.6	-292.2	-4.3%
27.2%	6695.1	6426.5	-268.6	-4.0%
28.4%	6683.1	6349.8	-333.3	-5.0%
29.6%	6676.5	6305.5	-371.0	-5.6%
30.9%	6640.7	6170.9	-469.8	-7.1%
32.1%	6464.8	6098.4	-366.4	-5.7%
33.3%	6417.2	5590.1	-827.1	-12.9%
34.5%	6365.9	5591.8	-774.1	-12.2%
35.8%	5826.3	5506.4	-319.9	-5.5%
37.0%	5511.4	5475.2	-36.2	-0.7%
38.3%	5296.1	5209.8	-86.3	-1.6%
39.5%	5278.1	5143.2	-135.0	-2.6%
40.7%	5275.9	5081.6	-194.2	-3.7%
42.0%	5275.2	5049.5	-225.7	-4.3%
43.2%	5242.0	5040.1	-201.9	-3.9%
44.4%	5178.6	5027.4	-151.2	-2.9%
45.7%	5125.7	4901.5	-224.2	-4.4%
46.9%	5119.6	4878.5	-241.1	-4.7%
48.1%	4927.2	4874.0	-53.2	-1.1%
49.4%	4870.3	4840.0	-30.3	-0.6%
50.6%	4869.8	4816.3	-53.5	-1.1%
51.9%	4850.0	4787.2	-62.8	-1.3%
53.1%	4828.5	4756.0	-72.5	-1.5%
54.3%	4785.8	4650.1	-135.7	-2.8%
55.6%	4775.5	4633.8	-141.7	-3.0%
56.8%	4721.5	4557.1	-164.5	-3.5%
58.0%	4702.2	4500.8	-201.4	-4.3%
59.3%	4699.0	4497.8	-201.2	-4.3%
60.5%	4673.5	4494.8	-178.6	-3.8%
61.7%	4669.3	4493.3	-176.0	-3.8%
63.0%	4655.2	4478.5	-176.7	-3.8%
64.2%	4567.1	4474.2	-92.8	-2.0%
65.4%	4468.3	4468.3	0.0	0.0%
66.7%	4468.5	4464.7	-3.8	-0.1%
67.9%	4459.2	4464.5	5.3	0.1%
69.1%	4441.8	4441.0	-0.8	0.0%
70.4%	4436.1	4373.2	-62.9	-1.4%
71.6%	4396.7	4323.1	-73.6	-1.7%
72.8%	4373.7	4292.0	-81.7	-1.9%
74.1				

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

Analysis Period	Monthly EC (UMHOS/CW)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	8939.7	7972.9	6102.1	3283.0	1339.4	1080.2	1377.1	2251.3	4090.1	5886.2	8627.4	8021.3
DCR 2015 With Project	8475.5	7649.0	6255.8	3571.4	1566.1	1213.1	1416.8	2261.3	4029.1	5812.8	8502.9	7748.2
Difference	-464.2	-323.9	153.8	288.4	226.8	132.9	39.7	10.0	-60.9	-73.4	-124.5	-273.1
Percent Difference <sup>2</sup>	-5.2%	-4.1%	2.5%	8.8%	16.9%	12.3%	2.9%	0.4%	-1.5%	-1.2%	-1.4%	-3.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3265.2	2641.4	3469.1	597.9	230.7	256.6	312.5	493.4	1450.9	3145.3	6720.5	2611.2
DCR 2015 With Project	3222.1	2645.1	3595.4	692.9	234.2	275.5	312.5	497.0	1417.6	3111.3	6676.6	2551.6
Difference	-43.0	3.7	126.3	94.9	3.6	18.9	0.0	3.6	-33.3	-33.9	-43.9	-59.5
Percent Difference	-1.3%	0.1%	3.6%	15.9%	1.5%	7.4%	0.0%	0.7%	-2.3%	-1.1%	-0.7%	-2.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	6281.3	5540.1	4412.5	1841.5	440.7	267.4	383.9	790.0	2925.4	4178.2	7385.1	5386.2
DCR 2015 With Project	6083.7	5488.3	4831.9	2131.6	521.3	337.4	413.3	792.1	2886.1	4130.6	7222.0	5175.9
Difference	-197.6	-51.8	419.4	290.1	80.6	70.1	29.5	2.1	-39.3	-47.7	-163.1	-210.3
Percent Difference	-3.1%	-0.9%	9.5%	15.8%	18.3%	26.2%	7.7%	0.3%	-1.3%	-1.1%	-2.2%	-3.9%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	11591.3	9851.6	6349.2	3594.9	885.0	833.5	961.6	1685.3	4004.1	5854.3	8467.3	10691.4
DCR 2015 With Project	10818.0	8934.4	6370.7	4068.5	986.8	1032.4	1039.3	1728.4	3952.7	5779.7	8301.1	10231.2
Difference	-773.3	-917.2	21.5	473.6	101.8	198.9	77.7	43.1	-51.4	-74.6	-166.1	-460.2
Percent Difference	-6.7%	-9.3%	0.3%	13.2%	11.5%	23.9%	8.1%	2.6%	-1.3%	-1.3%	-2.0%	-4.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	13286.7	11710.4	7424.0	5228.1	2268.8	1491.5	1927.3	3338.4	5650.7	7901.5	10239.3	12153.3
DCR 2015 With Project	12463.2	11399.6	7687.3	5563.7	2611.2	1698.8	2048.1	3317.2	5621.5	7871.6	9976.7	11505.9
Difference	-823.5	-310.7	263.3	335.6	342.4	207.3	120.8	-21.1	-29.1	-29.9	-262.5	-647.4
Percent Difference	-6.2%	-2.7%	3.5%	6.4%	15.1%	13.9%	6.3%	-0.6%	-0.5%	-0.4%	-2.6%	-5.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	14278.7	14159.1	11225.0	7260.6	3776.2	3348.2	4336.3	6551.0	8732.4	10547.3	11770.4	13064.9
DCR 2015 With Project	13534.8	13526.0	11162.8	7679.7	4605.1	3602.2	4306.3	6590.9	8531.1	10298.5	11765.6	13046.3
Difference	-743.9	-633.1	-62.2	419.1	828.8	254.0	-30.0	39.9	-201.3	-248.7	-4.7	-18.7
Percent Difference	-5.2%	-4.5%	-0.6%	5.8%	21.9%	7.6%	-0.7%	0.6%	-2.3%	-2.4%	0.0%	-0.1%

1 Based on the 82-year simulation period  
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)  
3 Relative difference of the monthly average



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

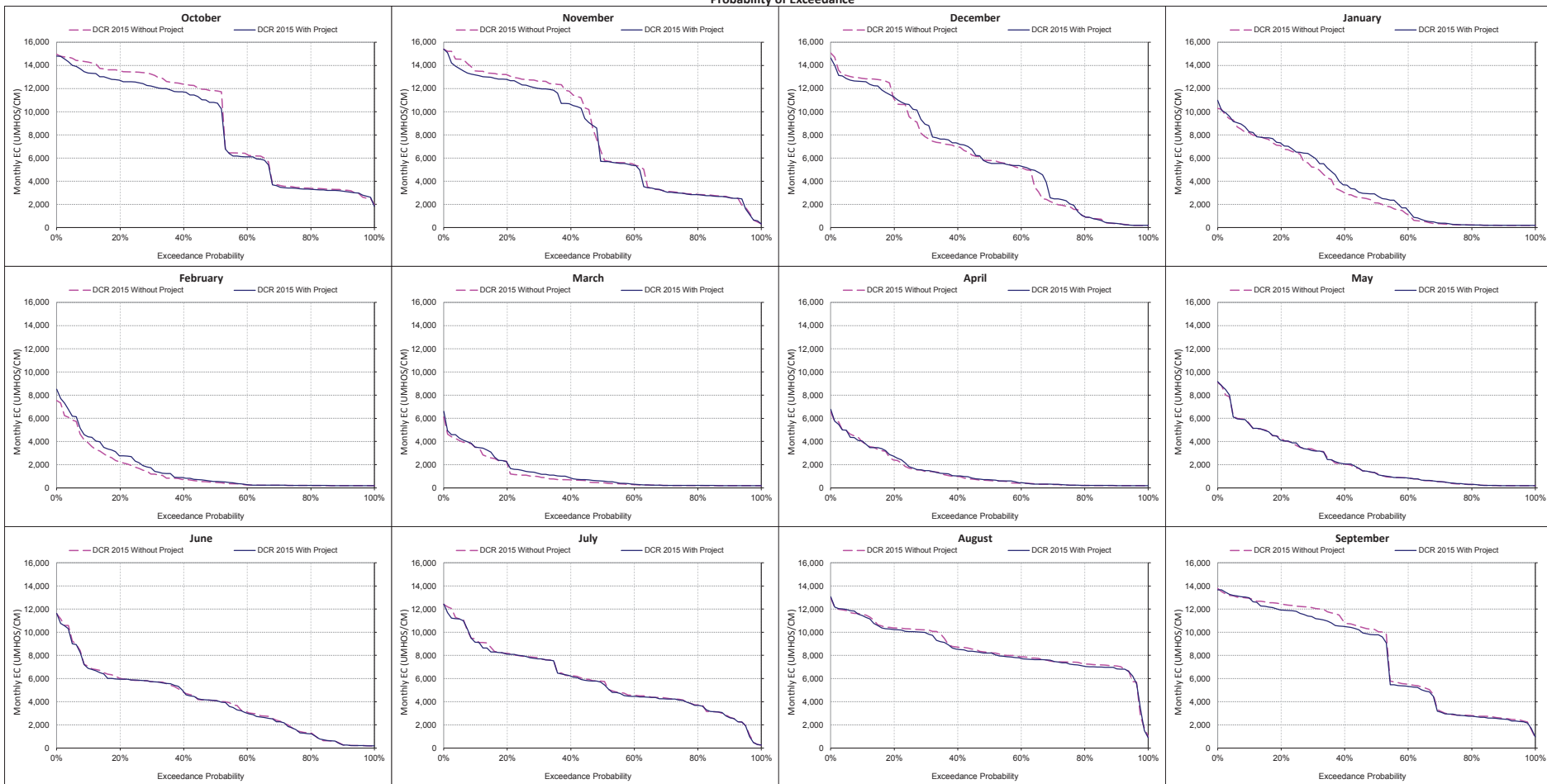


Table SQ-23-b  
Sacramento River at Mallard Slough (Chippis Island), Monthly EC  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	14966.7	14628.5	-162.2	-1.1%
1.2%	14795.9	14784.0	-12.0	-0.1%
2.5%	14734.9	14554.9	-179.9	-1.2%
3.7%	14712.9	14324.4	-388.5	-2.6%
4.9%	14617.0	13997.2	-619.7	-4.2%
6.2%	14431.6	13914.2	-517.4	-3.6%
7.4%	14407.1	13715.0	-692.1	-4.8%
8.6%	14341.0	13450.0	-891.0	-6.2%
9.9%	14290.5	13347.0	-943.5	-6.6%
11.1%	14213.2	13314.4	-898.7	-6.3%
12.3%	14129.5	13295.6	-833.9	-5.9%
13.6%	13743.9	13028.3	-715.6	-5.2%
14.8%	13704.9	13018.6	-686.3	-5.0%
16.0%	13626.3	12909.1	-717.2	-5.3%
17.3%	13626.0	12799.2	-826.8	-6.1%
18.5%	13622.4	12766.2	-856.2	-6.3%
19.8%	13541.5	12735.8	-805.6	-6.0%
21.0%	13457.8	12698.2	-759.6	-5.6%
22.2%	13452.6	12590.2	-862.4	-6.4%
23.5%	13441.5	12587.8	-853.6	-6.4%
24.7%	13434.1	12579.3	-854.8	-6.4%
25.9%	13429.3	12572.9	-856.4	-6.4%
27.2%	13377.1	12435.5	-941.6	-7.0%
28.4%	13356.0	12263.6	-1092.4	-8.2%
29.6%	13258.5	12221.9	-1036.6	-7.8%
30.9%	13141.1	12140.9	-1000.2	-7.6%
32.1%	12933.1	12053.8	-879.3	-6.8%
33.3%	12888.5	11998.4	-890.1	-6.9%
34.5%	12618.2	11992.7	-625.5	-5.0%
35.8%	12554.8	11877.0	-677.8	-5.4%
37.0%	12507.4	11748.4	-759.0	-6.1%
38.3%	12474.2	11728.6	-745.6	-6.0%
39.5%	12399.8	11717.7	-682.1	-5.5%
40.7%	12360.3	11680.3	-680.0	-5.5%
42.0%	12303.4	11460.9	-842.5	-6.8%
43.2%	12266.3	11456.1	-810.2	-6.6%
44.4%	12060.2	11318.0	-742.2	-6.2%
45.7%	11949.3	11048.7	-900.5	-7.5%
46.9%	11927.0	11008.1	-918.8	-7.7%
48.1%	11836.9	10810.1	-1026.8	-8.7%
49.4%	11794.9	10802.8	-992.1	-8.4%
50.6%	11793.0	10750.5	-1042.4	-8.8%
51.9%	11727.1	10237.6	-1489.5	-12.7%
53.1%	6764.6	6770.0	5.4	0.1%
54.3%	6451.8	6385.8	-66.0	-1.0%
55.6%	6450.4	6175.3	-275.1	-4.3%
56.8%	6436.4	6169.1	-267.3	-4.2%
58.0%	6430.3	6128.1	-302.2	-4.7%
59.3%	6415.6	6113.4	-302.2	-4.7%
60.5%	6222.9	6109.3	-113.6	-1.8%
61.7%	6199.3	6097.6	-101.7	-1.6%
63.0%	6180.7	5936.1	-244.5	-4.0%
64.2%	6171.0	5899.6	-271.4	-4.4%
65.4%	5985.0	5811.7	-173.3	-2.9%
66.7%	5667.9	5408.3	-259.7	-4.6%
67.9%	3792.5	3677.3	-115.2	-3.0%
69.1%	3711.8	3627.8	-83.9	-2.3%
70.4%	3625.2	3485.6	-139.6	-3.9%
71.6%	3561.5	3436.5	-125.0	-3.5%
72.8%	3559.1	3423.1	-136.0	-3.8%
74.1%	3530.0	3417.9	-112.1	-3.2%
75.3%	3466.2	3383.0	-83.2	-2.4%
76.5%	3455.5	3343.2	-112.3	-3.3%
77.8%	3411.5	3332.6	-78.9	-2.3%
79.0%	3409.8	3314.3	-95.4	-2.8%
80.2%	3380.0	3308.2	-71.8	-2.2%
81.5%	3375.1	3285.6	-89.5	-2.7%
82.7%	3371.9	3264.3	-107.6	-3.2%
84.0%	3338.7	3255.8	-82.9	-2.5%
85.2%	3311.2	3219.2	-92.0	-2.8%
86.4%	3306.4	3199.4	-107.0	-3.2%
87.7%	3290.5	3198.4	-92.1	-2.8%
88.9%	3289.3	3175.5	-113.8	-3.5%
90.1%	3230.6	3137.3	-93.3	-2.9%
91.4%	3218.7	3104.3	-114.4	-3.6%
92.6%	3178.8	3054.2	-124.6	-3.9%
93.8%	2984.1	3010.8	26.7	0.9%
95.1%	2945.9	2864.0	-81.9	-2.8%
96.3%	2919.3	2817.8	-101.5	-3.5%
97.5%	2536.5	2705.9	168.4	6.7%
98.8%	2521.4	2625.8	104.3	4.1%
100.0%	1,994.4	1,840.6	-153.8	-7.7%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	15406.8	15401.3	-5.5	0.0%
1.2%	15214.8	15111.7	-103.1	-0.7%
2.5%	15214.8	14210.1	-1004.7	-6.6%
3.7%	14540.8	14540.8	0.0	0.0%
4.9%	14542.4	13740.0	-802.5	-5.5%
6.2%	14529.2	13520.9	-1008.3	-6.9%
7.4%	14171.0	13339.1	-831.9	-5.9%
8.6%	13888.7	13258.7	-630.0	-4.5%
9.9%	13528.9	13179.6	-349.4	-2.6%
11.1%	13502.2	13115.6	-386.6	-2.9%
12.3%	13492.1	13036.3	-455.9	-3.4%
13.6%	13345.7	12995.0	-350.7	-2.6%
14.8%	13329.1	12971.5	-357.6	-2.7%
16.0%	13300.2	12877.0	-423.2	-3.2%
17.3%	13227.6	12824.4	-403.2	-3.0%
18.5%	13227.4	12817.2	-410.1	-3.1%
19.8%	13211.5	12800.0	-411.5	-3.1%
21.0%	13070.4	12676.8	-393.6	-3.0%
22.2%	12954.6	12676.8	-277.8	-2.1%
23.5%	12902.6	12492.6	-410.1	-3.2%
24.7%	12804.6	12333.9	-470.7	-3.8%
25.9%	12808.9	12326.3	-482.6	-3.8%
27.2%	12744.5	12171.0	-573.5	-4.5%
28.4%	12737.9	12099.1	-638.9	-5.0%
29.6%	12646.1	12026.6	-619.4	-4.9%
30.9%	12640.4	11973.7	-666.7	-5.3%
32.1%	12627.7	11968.0	-659.7	-5.2%
33.3%	12428.9	11826.5	-602.4	-4.0%
34.5%	12425.7	11826.0	-599.7	-4.8%
35.8%	12364.6	11805.4	-559.1	-4.5%
37.0%	12336.2	10720.4	-1615.8	-13.1%
38.3%	11850.2	10709.9	-1140.2	-9.6%
39.5%	11771.5	10707.5	-1074.0	-9.1%
40.7%	11434.3	10532.9	-901.4	-7.9%
42.0%	11320.5	10449.3	-871.2	-7.7%
43.2%	11213.9	10308.9	-905.0	-8.1%
44.4%	10332.9	9419.6	-913.3	-8.8%
45.7%	10200.0	9086.1	-1113.9	-10.9%
46.9%	8557.0	8817.0	259.9	3.0%
48.1%	7619.3	8604.8	985.4	12.9%
49.4%	6651.7	8572.5	1920.8	28.9%
50.6%	5795.8	8564.0	2768.2	47.8%
51.9%	5722.5	5691.5	-31.0	-0.5%
53.1%	5684.3	5633.0	-51.4	-0.9%
54.3%	5617.9	5589.6	-28.2	-0.5%
55.6%	5608.4	5540.8	-67.6	-1.2%
56.8%	5597.4	5538.8	-58.6	-1.0%
58.0%	5572.7	5457.4	-115.3	-2.1%
59.3%	5521.2	5385.5	-135.7	-2.5%
60.5%	5350.8	5363.5	12.7	0.2%
61.7%	5292.4	4962.4	-329.9	-6.2%
63.0%	5030.8	3525.8	-1505.0	-29.9%
64.2%	3494.6	3426.0	-68.6	-2.0%
65.4%	3372.1	3418.6	46.5	1.4%
66.7%	3314.7	3333.1	18.4	0.6%
67.9%	3263.4	3305.1	41.7	1.3%
69.1%	3192.1	3172.4	-19.7	-0.6%
70.4%	3130.2	3048.7	-81.5	-2.6%
71.6%	3100.8	3039.7	-61.1	-2.0%
72.8%	3064.3	3003.6	-60.6	-2.0%
74.1%	3019.6	2970.8	-48.8	-1.6%
75.3%	2977.6	2961.6	-16.0	-0.5%
76.5%	2915.2	2932.8	17.6	0.6%
77.8%	2911.6	2844.1	-67.5	-2.3%
79.0%	2901.2	2838.8	-62.5	-2.2%
80.2%	2850.8	2834.0	-16.9	-0.6%
81.5%	2841.9	2806.2	-35.7	-1.3%
82.7%	2813.6	2749.6	-63.9	-2.3%
84.0%	2806.0	2746.9	-59.1	-2.1%
85.2%	2761.0	2712.5	-48.4	-1.8%
86.4%	2733.6	2688.9	-44.7	-1.6%
87.7%	2719.4	2677.0	-42.4	-1.5%
88.9%	2693.4	2647.9	-45.4	-1.7%
90.1%	2670.8	2571.4	-99.4	-3.7%
91.4%	2535.6	2526.6	-0.9	-0.4%
92.6%	2533.1	2526.2	-6.9	-0.3%
93.8%	1952.9	2470.4	517.5	26.5%
95.1%	1730.6	1603.7	-126.9	-7.3%
96.3%	2817.8	1132.3	-1685.5	-59.1%
97.5%	646.4	659.6	13.1	2.0%
98.8%	476.5	584.8	108.3	22.7%
100.0%	313.4	1,840.6	1,527.2	487.7%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	15075.2	14644.5	-430.8	-2.9%
1.2%	14714.1	14017.6	-696.5	-4.7%
2.5%	14593.4	13329.9	-1263.5	-8.7%
3.7%	13216.3	13104.7	-111.6	-0.8%
4.9%	13139.2	12872.3	-266.9	-2.0%
6.2%	13044.7	12733.4	-311.3	-2.4%
7.4%	12867.7	12665.1	-202.6	-1.6%
8.6%	12949.1	12646.2	-302.9	-2.3%
9.9%	12889.6	12623.2	-266.5	-2.1%
11.1%	12841.9	12598.1	-243.8	-1.9%
12.3%	12838.5	12360.6	-477.8	-3.7%
13.6%	12827.3	12240.1	-587.2	-4.6%
14.8%	12785.5	12226.0	-559.5	-4.4%
16.0%	12738.2	11894.3	-844.0	-6.6%
17.3%	12694.7	11674.7	-1020.0	-8.0%
18.5%	12491.8	11491.8	-1000.0	-8.0%
19.8%	11201.2	11306.2	105.0	0.9%
21.0%	10660.1	11034.6	374.5	3.5%
22.2%	10620.0	10839.3	219.2	2.1%
23.5%	10627.8	10677.2	49.4	0.5%
24.7%	9582.1	10639.0	1056.9	11.0%
25.9%	9582.9	10296.6	713.7	7.4%
27.2%	9105.0	10139.0	1034.0	11.4%
28.4%	8154.7	9346.0	1191.3	14.6%
29.6%	7864.6	8930.0	1065.4	13.5%
30.9%	7653.2	8805.0	1151.8	15.0%
32.1%	7458.2	7829.3	371.1	5.0%
33.3%	7385.9	7749.7	363.8	5.4%
34.5%	7315.1	7541.5	226.4	3.1%
35.8%	7216.4	7383.0	166.6	2.3%
37.0%	7165.6	7577.3	411.8	5.7%
38.3%	7119.0	7309.4	190.4	2.7%
39.5%	6959.7	7307.5	347.8	5.0%
40.7%	6839.1	7181.2	242.1	3.5%
42.0%	6659.9	7144.2	484.3	7.3%
43.2%	6520.6	6996.0	475.4	7.3%
44.4%	6264.0	6746.8	482.8	7.7%
45.7%	6153.5	6225.4	71.9	1.2%
46.9%	6127.3	6202.8	75.5	1.2%
48.1%	5815.6	5787.7	-27.9	-0.5%
49.4%	5795.4	5538.4	-257.0	-4.4%
50.6%	5541.0	5541.0	0.0	0.0%
51.9%	5751.0	5536.8	-214.2	-3.7%
53.1%	5639.6	5536.0	-103.6	-1.8%
54.3%	5570.0	5530.5	-39.5	-0.7%
55.6%	5539.1	5447.0	-92.1	-1.7%
56.8%	5387.4	5383.7	-3.6	-0.1%
58.0%	5246.4	5355.6	109.2	2.1%
59.3%	5144.0	5351.5	207.5	4.0%
60.5%	5125.1	5274.0	148.9	2.9%
61.7%	4983.6	5181.8	198.2	

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	7537.2	8509.2	972.0	12.9%
1.2%	7326.3	7714.6	388.3	5.3%
2.5%	6939.9	7321.1	381.2	17.1%
3.7%	6081.9	6781.9	699.9	11.3%
4.9%	5846.4	6180.8	334.4	5.7%
6.2%	5735.9	6146.2	410.3	7.2%
7.4%	4631.4	5144.4	513.0	11.1%
8.6%	4144.8	4595.7	450.9	10.9%
9.9%	3833.6	4410.3	576.7	13.6%
11.1%	3548.9	4351.2	802.4	22.6%
12.3%	3303.0	4033.8	730.9	22.1%
13.6%	3172.4	3964.4	791.9	25.0%
14.8%	2941.2	3492.1	550.8	18.7%
16.0%	2718.3	3349.8	631.5	23.2%
17.3%	2604.2	3276.4	672.2	25.8%
18.5%	2359.6	3119.5	760.0	32.2%
19.8%	2246.3	2772.0	525.7	23.4%
21.0%	2144.0	2771.8	627.8	29.3%
22.2%	2058.9	2751.0	692.0	33.6%
23.5%	1935.6	2702.8	767.1	39.6%
24.7%	1789.8	2305.7	515.9	28.8%
25.9%	1676.9	2120.7	443.8	26.5%
27.2%	1517.6	1922.3	404.6	26.7%
28.4%	1452.3	1808.6	356.3	24.5%
29.6%	1191.4	1727.9	536.4	45.0%
30.9%	1179.8	1407.7	227.9	19.3%
32.1%	1100.9	1337.2	236.3	21.5%
33.3%	1065.7	1256.5	190.9	17.9%
34.5%	837.5	1225.4	388.8	46.4%
35.8%	831.1	1223.5	392.5	45.2%
37.0%	825.7	921.1	95.3	11.5%
38.3%	810.3	897.3	87.0	11.4%
39.5%	726.0	892.5	166.5	22.9%
40.7%	721.9	818.0	96.0	13.3%
42.0%	690.9	812.1	121.2	19.4%
43.2%	623.4	736.8	113.4	18.2%
44.4%	587.0	707.2	120.2	20.5%
45.7%	539.9	696.1	156.2	28.9%
46.9%	530.8	649.9	119.1	22.4%
48.1%	492.3	592.4	100.2	20.3%
49.4%	479.5	554.9	75.3	15.7%
50.6%	456.0	538.7	82.8	18.1%
51.9%	437.2	518.9	81.7	18.7%
53.1%	373.2	513.5	140.3	37.6%
54.3%	354.5	460.7	106.2	29.9%
55.6%	347.4	433.5	86.1	24.8%
56.8%	344.8	374.7	29.9	8.7%
58.0%	334.6	349.5	14.8	4.4%
59.3%	266.0	290.9	24.8	9.3%
60.5%	243.2	261.7	18.6	7.6%
61.7%	225.8	241.5	15.6	6.9%
63.0%	225.1	235.8	10.7	4.7%
64.2%	222.3	230.7	8.3	3.7%
65.4%	223.4	229.4	8.1	3.7%
66.7%	220.5	229.3	8.8	4.0%
67.9%	220.1	225.8	5.7	2.6%
69.1%	218.8	223.6	4.9	2.2%
70.4%	216.8	223.5	6.7	3.1%
71.6%	214.5	220.6	6.1	2.9%
72.8%	213.0	216.7	3.7	1.8%
74.1%	212.0	215.1	3.1	1.4%
75.3%	210.3	211.7	1.4	0.7%
76.5%	210.1	211.6	1.5	0.7%
77.8%	207.7	210.5	2.8	1.4%
79.0%	207.2	210.3	3.1	1.5%
80.2%	203.6	204.1	3.5	1.7%
81.5%	201.9	202.7	0.8	0.4%
82.7%	199.3	201.3	2.1	1.0%
84.0%	198.6	199.0	0.4	0.2%
85.2%	197.0	197.0	0.0	0.0%
86.4%	196.4	194.4	-2.0	-1.0%
87.7%	193.9	194.1	0.2	0.1%
88.9%	193.6	193.7	0.1	0.0%
90.1%	193.6	193.5	-0.1	0.0%
91.4%	193.5	193.3	-0.2	-0.1%
92.6%	192.4	192.6	0.3	0.1%
93.8%	191.5	192.4	0.9	0.5%
95.1%	191.5	192.3	0.8	0.4%
96.3%	191.0	191.9	0.9	0.5%
97.5%	190.7	189.6	-1.0	-0.5%
98.8%	187.3	187.3	0.0	0.0%
100.0%	185.8	185.8	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	6114.5	6593.2	478.8	7.8%
1.2%	4634.5	4933.4	299.0	6.5%
2.5%	4408.8	4581.2	172.4	3.9%
3.7%	4270.1	4579.9	309.8	7.3%
4.9%	4081.3	4293.1	211.8	5.2%
6.2%	3939.1	4111.2	172.1	4.4%
7.4%	3871.0	3981.3	110.4	2.9%
8.6%	3815.4	3853.4	38.1	1.0%
9.9%	3496.6	3509.6	13.0	0.4%
11.1%	3476.7	3481.1	4.4	0.1%
12.3%	2839.7	3417.0	577.2	20.3%
13.6%	2703.7	3275.5	571.7	21.1%
14.8%	2584.5	3079.5	494.9	19.2%
16.0%	2527.3	2640.5	113.2	4.5%
17.3%	2345.3	2379.0	33.7	1.4%
18.5%	2240.0	2356.7	116.7	0.7%
19.8%	2300.3	2264.4	-35.9	-1.6%
21.0%	1198.9	1678.3	479.5	40.0%
22.2%	1146.6	1592.8	446.2	38.9%
23.5%	1121.7	1572.6	450.9	40.2%
24.7%	1094.2	1503.8	409.6	37.4%
25.9%	1076.7	1420.7	343.0	30.0%
27.2%	1016.8	1372.1	355.2	34.9%
28.4%	1007.2	1340.9	333.7	33.1%
29.6%	980.3	1251.9	271.6	27.7%
30.9%	898.1	1160.1	262.0	29.2%
32.1%	883.6	1156.9	273.3	30.9%
33.3%	771.5	1107.7	336.2	43.6%
34.5%	734.0	1100.3	336.4	44.0%
35.8%	715.5	1039.6	324.1	45.3%
37.0%	707.1	1007.8	300.7	42.5%
38.3%	706.9	999.3	292.4	41.4%
39.5%	699.2	887.9	188.7	27.0%
40.7%	680.9	769.9	96.0	16.5%
42.0%	650.3	735.9	75.6	11.4%
43.2%	652.6	717.5	64.9	9.9%
44.4%	634.5	704.9	70.4	11.1%
45.7%	486.2	683.4	197.2	40.6%
46.9%	458.9	636.2	177.3	38.6%
48.1%	457.2	628.8	171.6	37.5%
49.4%	454.3	597.4	161.6	37.1%
50.6%	435.3	563.5	128.2	29.5%
51.9%	373.2	524.1	150.9	40.4%
53.1%	367.3	521.7	154.4	42.0%
54.3%	356.3	457.8	101.5	28.5%
55.6%	351.3	395.9	44.6	12.7%
56.8%	330.0	385.6	55.6	16.9%
58.0%	291.4	375.2	83.8	28.7%
59.3%	283.8	320.4	36.6	12.9%
60.5%	272.9	307.8	34.9	12.8%
61.7%	250.7	284.2	33.5	13.3%
63.0%	243.0	260.0	16.9	7.0%
64.2%	239.3	246.6	7.3	3.1%
65.4%	232.9	233.8	0.9	0.4%
66.7%	225.6	230.8	5.1	2.3%
67.9%	223.9	226.9	3.0	1.3%
69.1%	208.9	214.8	6.0	2.9%
70.4%	208.1	209.7	1.6	0.8%
71.6%	205.2	209.3	4.1	2.0%
72.8%	202.5	208.5	6.0	3.0%
74.1%	201.7	206.7	4.9	2.4%
75.3%	200.8	204.9	4.0	2.0%
76.5%	200.0	204.7	4.7	2.3%
77.8%	199.1	200.2	1.1	0.5%
79.0%	199.0	200.1	1.1	0.6%
80.2%	198.1	199.1	1.1	0.5%
81.5%	197.9	198.8	0.9	0.4%
82.7%	196.9	198.1	1.3	0.6%
84.0%	195.6	197.5	1.8	0.9%
85.2%	194.4	196.8	2.4	1.2%
86.4%	194.3	194.9	0.6	0.3%
87.7%	194.2	193.9	-0.3	-0.1%
88.9%	193.4	193.3	-0.1	0.0%
90.1%	193.3	192.6	-0.7	-0.3%
91.4%	192.4	193.0	-0.4	-0.2%
92.6%	191.5	191.9	0.4	0.2%
93.8%	191.4	191.7	0.3	0.2%
95.1%	191.2	191.6	0.4	0.2%
96.3%	190.8	190.9	0.1	0.0%
97.5%	189.6	189.7	0.1	0.0%
98.8%	185.0	185.0	0.0	0.0%
100.0%	184.4	184.4	0.0	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	6562.4	6782.4	220.0	3.4%
1.2%	5746.6	5759.9	13.4	0.2%
2.5%	5711.4	5483.4	-228.1	-4.0%
3.7%	4977.4	5001.6	24.2	0.5%
4.9%	4918.6	4982.0	63.4	1.3%
6.2%	4632.5	4369.6	-262.9	-5.7%
7.4%	4484.9	4344.1	-140.9	-3.1%
8.6%	4359.9	4095.3	-264.6	-6.1%
9.9%	3980.4	4038.6	58.3	1.5%
11.1%	3752.7	3787.4	34.8	0.9%
12.3%	3550.1	3481.1	-69.0	-1.9%
13.6%	3499.3	3476.4	-23.0	-0.7%
14.8%	3314.9	3464.0	149.1	4.5%
16.0%	3211.2	3389.8	178.6	5.5%
17.3%	3162.0	3223.1	61.1	1.9%
18.5%	2810.2	2878.7	268.5	10.3%
19.8%	2406.1	2730.4	324.3	13.5%
21.0%	2358.2	2561.8	203.6	8.6%
22.2%	2151.1	2424.8	273.7	12.7%
23.5%	1846.6	2152.6	306.0	16.6%
24.7%	1690.3	1831.3	140.9	8.3%
25.9%	1627.6	1705.5	77.7	4.8%
27.2%	1549.5	1587.5	38.0	2.4%
28.4%	1546.2	1551.4	5.2	0.3%
29.6%	1425.3	1423.2	-2.1	-0.1%
30.9%	1417.7	1474.1	56.5	4.0%
32.1%	1402.2	1412.9	10.6	0.8%
33.3%	1363.7	1330.6	-33.1	-2.4%
34.5%	1306.3	1263.3	-43.0	-3.3%
35.8%	1130.0	1237.0	107.1	9.5%
37.0%	1057.7	1218.0	160.3	15.2%
38.3%	1001.0	1057.8	56.8	5.7%
39.5%	980.0	1026.0	45.9	4.7%
40.7%	972.9	1023.3	50.4	5.2%
42.0%	944.2	981.3	37.0	3.9%
43.2%	772.0	964.8	192.8	25.0%
44.4%	754.6	847.2	92.6	11.1%
45.7%	719.8	773.5	53.7	7.5%
46.9%	666.0	752.4	86.4	13.0%
48.1%	665.0	719.5	54.5	8.2%
49.4%	642.5	711.0	68.5	10.7%
50.6%	615.1	686.9	71.8	11.7%
51.9%	585.0	666.9	81.9	14.0%
53.1%	583.9	602.2	22.3	3.8%
54.3%	574.3	603.5	29.2	5.1%
55.6%	548.1	602.7	54.7	10.0%
56.8%	430.1	585.2	155.1	36.1%
58.0%	410.8	521.8	110.9	27.0%
59.3%	403.9	432.1	28.1	7.0%
60.5%	390.5	431.5	41.1	10.5%
61.7%	385.3	378.8	-6.5	-1.7%
63.0%	376.1	352.6	-23.5	-6.2%
64.2%	351.9	328.7	-23.2	-6.6%
65.4%	308.5	326.2	16.7	5.4%
66.7%	308.5	321.7	13.2	4.3%
67.9%	306.9	318.0	11.1	3.6%
69.1%	300.0	311.1	11.2	3.7%
70.4%	292.4	291.9	-0.6	-0.2%
71.6%	290.6	290.5	0.0	0.0%
72.8%	244.0	270.9	26.9	11.0%
74.1%	239.4	244.4	5.0	2.1%



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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	11593.3	11637.5	44.3	0.4%
1.2%	11172.7	10770.1	-402.6	-3.6%
2.5%	10564.2	10261.3	-302.9	-2.9%
3.7%	10585.0	10312.1	-272.9	-2.6%
4.9%	9243.2	9008.8	-234.4	-2.5%
6.2%	8956.3	8908.6	-47.7	-0.5%
7.4%	8416.8	8260.7	-156.0	-1.9%
8.6%	7234.6	7197.2	-37.4	-0.5%
9.9%	7006.3	6976.3	-30.0	-0.4%
11.1%	6940.4	6783.0	-157.4	-2.3%
12.3%	6775.8	6665.7	-110.1	-1.6%
13.6%	6709.0	6507.3	-201.7	-3.0%
14.8%	6508.9	6402.5	-106.4	-1.6%
16.0%	6381.8	6023.2	-358.6	-5.6%
17.3%	6325.1	6015.2	-309.9	-4.9%
18.5%	6207.0	5966.3	-240.7	-3.9%
19.8%	6027.7	5949.7	-78.0	-1.3%
21.0%	5955.6	5940.6	-15.1	-0.3%
22.2%	5949.6	5937.3	-12.4	-0.2%
23.5%	5875.9	5880.3	4.4	0.1%
24.7%	5846.0	5878.9	32.9	0.6%
25.9%	5845.3	5839.8	-5.5	-0.1%
27.2%	5820.3	5836.9	16.6	0.3%
28.4%	5818.6	5804.4	-14.2	-0.2%
29.6%	5726.2	5742.4	16.2	0.3%
30.9%	5722.6	5709.4	-13.3	-0.2%
32.1%	5703.5	5694.6	-9.0	-0.2%
33.3%	5699.6	5618.6	-80.9	-1.4%
34.5%	5661.0	5585.9	-75.0	-1.3%
35.8%	5430.8	5561.0	130.2	2.4%
37.0%	5315.2	5410.3	95.0	1.8%
38.3%	5121.0	5318.0	197.0	3.8%
39.5%	4880.8	5020.2	139.4	2.9%
40.7%	4709.7	4605.3	-104.4	-2.2%
42.0%	4514.3	4495.3	-19.0	-0.4%
43.2%	4560.5	4471.2	-89.3	-2.0%
44.4%	4195.9	4257.1	61.2	1.5%
45.7%	4163.4	4182.2	18.8	0.5%
46.9%	4158.6	4154.4	-4.2	-0.1%
48.1%	4133.4	4135.9	2.5	0.1%
49.4%	4114.9	4113.1	-1.8	-0.0%
50.6%	4082.0	4071.6	-10.4	-0.3%
51.9%	4009.4	3968.2	-41.2	-1.0%
53.1%	3994.8	3925.2	-69.6	-1.7%
54.3%	3919.5	3597.0	-322.5	-8.2%
55.6%	3721.0	3493.8	-227.2	-6.1%
56.8%	3671.0	3288.0	-383.0	-10.4%
58.0%	3272.1	3229.4	-42.7	-1.3%
59.3%	3210.0	3073.7	-136.3	-4.2%
60.5%	3030.7	2959.8	-70.9	-2.3%
61.7%	2987.8	2886.1	-101.7	-3.4%
63.0%	2948.6	2727.9	-220.7	-7.5%
64.2%	2791.6	2652.9	-138.7	-5.0%
65.4%	2759.7	2628.5	-131.2	-4.8%
66.7%	2735.1	2570.1	-165.0	-6.0%
67.9%	2565.6	2530.7	-35.0	-1.4%
69.1%	2407.8	2274.4	-133.4	-5.5%
70.4%	2311.2	2266.0	-45.1	-2.0%
71.6%	2133.9	2180.9	47.0	2.2%
72.8%	2001.2	1856.9	-144.3	-7.2%
74.1%	1751.1	1741.7	-9.5	-0.5%
75.3%	1517.1	1592.9	75.8	5.0%
76.5%	1426.8	1306.1	-120.7	-8.5%
77.8%	1347.0	1290.7	-56.3	-4.2%
79.0%	1323.4	1242.6	-80.8	-6.1%
80.2%	1284.8	1216.1	-68.6	-5.3%
81.5%	1022.8	1004.1	-18.7	-1.8%
82.7%	753.6	793.2	39.6	5.3%
84.0%	637.6	707.2	69.6	10.9%
85.2%	629.4	639.0	9.6	1.5%
86.4%	608.4	633.2	24.8	4.1%
87.7%	594.7	606.2	11.5	2.0%
88.9%	445.1	401.4	-43.7	-9.8%
90.1%	270.1	258.5	-11.7	-4.3%
91.4%	250.0	251.0	1.0	0.4%
92.6%	220.6	209.0	-11.6	-5.3%
93.8%	214.3	203.7	-10.6	-5.0%
95.1%	210.0	205.7	-4.3	-2.0%
96.3%	208.6	204.6	-4.0	-1.9%
97.5%	203.7	203.7	0.0	0.0%
98.8%	186.6	187.1	0.5	0.3%
100.0%	181.9	182.0	0.1	0.1%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	12426.7	12426.4	-0.3	-0.0%
1.2%	12195.1	11688.4	-506.7	-4.2%
2.5%	12043.3	11208.1	-835.2	-6.9%
3.7%	11274.7	10727.7	-547.0	-4.8%
4.9%	11144.3	11160.9	16.6	0.1%
6.2%	11116.9	10985.7	-131.2	-1.2%
7.4%	10168.9	10276.6	107.8	1.1%
8.6%	9485.8	9513.7	27.9	0.3%
9.9%	9432.9	9134.5	-298.3	-3.2%
11.1%	9111.4	9114.4	3.0	0.0%
12.3%	9109.5	8645.5	-464.0	-5.1%
13.6%	9078.4	8627.9	-450.5	-5.0%
14.8%	8709.3	8306.2	-403.1	-4.6%
16.0%	8323.6	8287.2	-36.4	-0.4%
17.3%	8314.3	8260.5	-53.8	-0.6%
18.5%	8202.7	8216.9	14.2	0.2%
19.8%	8181.4	8103.6	-77.8	-1.0%
21.0%	8145.3	8101.0	-44.3	-0.5%
22.2%	8033.2	8080.4	47.3	0.6%
23.5%	7992.8	8004.1	11.3	0.1%
24.7%	7932.0	7982.3	50.3	0.6%
25.9%	7849.1	7899.6	50.5	0.6%
27.2%	7817.6	7794.9	-22.7	-0.3%
28.4%	7836.6	7751.1	-85.5	-1.1%
29.6%	7808.0	7975.2	-112.9	-1.4%
30.9%	7673.0	7604.4	-68.6	-0.9%
32.1%	7632.3	7604.4	-27.9	-0.4%
33.3%	7606.5	7585.4	-21.0	-0.3%
34.5%	7585.2	7542.4	-42.8	-0.6%
35.8%	6490.8	6450.0	-40.8	-0.6%
37.0%	6488.3	6412.7	-75.6	-1.2%
38.3%	6286.1	6342.1	56.0	0.9%
39.5%	6238.0	6264.2	26.2	0.4%
40.7%	6237.1	6135.7	-101.5	-1.6%
42.0%	6192.8	6076.4	-116.3	-1.9%
43.2%	6048.5	5923.9	-124.7	-2.1%
44.4%	5960.7	5852.3	-108.5	-1.8%
45.7%	5925.9	5802.6	-123.3	-2.1%
46.9%	5804.4	5792.4	-12.0	-0.2%
48.1%	5802.6	5785.0	-17.7	-0.3%
49.4%	5785.9	5694.6	-91.3	-1.6%
50.6%	5720.8	5451.0	-269.7	-4.7%
51.9%	5049.3	5091.4	42.0	0.8%
53.1%	4937.8	4975.0	37.2	0.8%
54.3%	4833.3	4795.0	-38.4	-0.8%
55.6%	4796.3	4713.2	-83.0	-1.7%
56.8%	4742.1	4532.5	-209.7	-4.4%
58.0%	4574.1	4489.9	-84.2	-1.8%
59.3%	4557.5	4465.5	-92.0	-2.0%
60.5%	4554.5	4459.6	-94.9	-2.1%
61.7%	4511.0	4426.5	-84.4	-1.9%
63.0%	4509.7	4409.1	-100.6	-2.2%
64.2%	4484.4	4395.8	-88.6	-2.0%
65.4%	4387.7	4374.4	-13.3	-0.3%
66.7%	4369.7	4366.4	-3.3	-0.1%
67.9%	4363.9	4254.0	-109.9	-2.5%
69.1%	4346.8	4244.5	-102.3	-2.4%
70.4%	4300.2	4240.4	-59.7	-1.4%
71.6%	4250.4	4226.2	-24.2	-0.6%
72.8%	4233.1	4224.2	-8.9	-0.2%
74.1%	4209.3	4198.2	-11.1	-0.3%
75.3%	4153.0	4127.6	-25.4	-0.6%
76.5%	4149.0	3958.6	-190.4	-4.6%
77.8%	3856.2	3855.0	-1.2	0.0%
79.0%	3733.9	3694.3	-39.5	-1.1%
80.2%	3721.6	3693.6	-28.0	-0.8%
81.5%	3718.6	3624.1	-94.5	-2.5%
82.7%	3703.8	3305.1	-398.7	-10.8%
84.0%	3140.3	3167.9	27.5	0.9%
85.2%	3134.1	3142.7	8.7	0.3%
86.4%	3121.9	3122.8	0.9	0.0%
87.7%	2115.6	2096.6	-19.0	-0.9%
88.9%	2847.5	2766.6	-80.9	-2.8%
90.1%	2653.6	2614.1	-39.5	-1.5%
91.4%	2548.2	2552.0	3.8	0.1%
92.6%	2270.1	2270.4	0.4	0.0%
93.8%	2251.4	2247.4	-4.0	-0.2%
95.1%	1926.3	1930.5	4.2	0.2%
96.3%	1812.6	907.6	-905.0	-50.5%
97.5%	488.7	465.1	-23.6	-4.8%
98.8%	300.2	303.8	3.6	1.2%
100.0%	252.4	252.0	-0.4	-0.2%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	12406.3	13074.0	101.7	0.8%
1.2%	12167.0	12174.2	7.2	0.1%
2.5%	11963.7	12042.1	78.4	0.7%
3.7%	11932.9	12024.9	92.0	0.8%
4.9%	11869.9	11966.7	96.8	0.8%
6.2%	11694.4	11848.7	154.2	1.3%
7.4%	11633.7	11834.5	200.8	1.7%
8.6%	11620.9	11551.5	-69.4	-0.6%
9.9%	11530.4	11504.8	-25.6	-0.2%
11.1%	11484.9	11294.6	-190.3	-1.7%
12.3%	11309.1	11147.3	-161.9	-1.4%
13.6%	11045.0	10772.2	-272.8	-2.5%
14.8%	10643.3	10573.5	-69.8	-0.7%
16.0%	10524.1	10374.7	-149.4	-1.4%
17.3%	10428.9	10306.6	-122.3	-1.2%
18.5%	10421.6	10287.8	-133.8	-1.3%
19.8%	10369.9	10247.9	-122.0	-1.2%
21.0%	10359.7	10222.7	-137.0	-1.3%
22.2%	10357.6	10190.1	-167.5	-1.6%
23.5%	10303.6	10073.2	-230.3	-2.2%
24.7%	10293.5	10049.8	-243.8	-2.4%
25.9%	10266.7	10052.2	-214.5	-2.1%
27.2%	10232.0	10033.4	-198.6	-1.9%
28.4%	10215.0	9999.2	-215.8	-2.1%
29.6%	10210.5	9978.7	-231.8	-2.3%
30.9%	10186.1	9829.1	-357.0	-3.5%
32.1%	10078.5	9742.0	-336.4	-3.3%
33.3%	10065.2	9307.1	-758.1	-7.5%
34.5%	9871.6	9194.4	-677.2	-6.9%
35.8%	9465.0	9125.4	-339.6	-3.6%
37.0%	8945.7	8924.0	-21.6	-0.2%
38.3%	8773.7	8631.0	-142.8	-1.6%
39.5%	8734.9	8538.9	-195.9	-2.2%
40.7%	8690.8	8508.3	-182.5	-2.1%
42.0%	8606.6	8479.8	-126.8	-1.5%
43.2%	8633.4	8371.4	-262.0	-3.0%
44.4%	8551.9	8367.9	-184.0	-2.2%
45.7%	8513.2	8326.3	-187.0	-2.2%
46.9%	8349.4	8279.1	-70.3	-0.8%
48.1%	8307.1	8212.7	-94.4	-1.1%
49.4%	8264.7	8207.7	-57.0	-0.7%
50.6%	8223.3	8154.5	-68.8	-0.8%
51.9%	8203.8	8044.5	-159.3	-1.9%
53.1%	8118.1	7954.4	-163.7	-2.0%
54.3%	8027.7	7939.0	-88.7	-1.1%
55.6%	7996.3	7875.3	-121.0	-1.5%
56.8%	7995.0	7886.5	-108.5	-1.4%
58.0%	7990.9	7817.0	-173.9	-2.2%
59.3%	7862.5	7786.0	-76.5	-1.0%
60.5%	7869.7	7710.5	-159.2	-2.0%
61.7%	7850.0	7681.2	-168.8	-2.2%
63.0%	7776.7	7658.7	-118.0	-1.5%
64.2%	7765.4	7644.4	-21.0	-0.3%
65.4%	7740.3	7625.8	-114.6	-1.5%
66.7%	7631.9	7624.6	-7.3	-0.1%
67.9%	7605.9	7611.0	5.1	0.1%
69.1%	7506.2	7599.9	93.6	1.2%
70.4%	7465.3	7465.0	-	



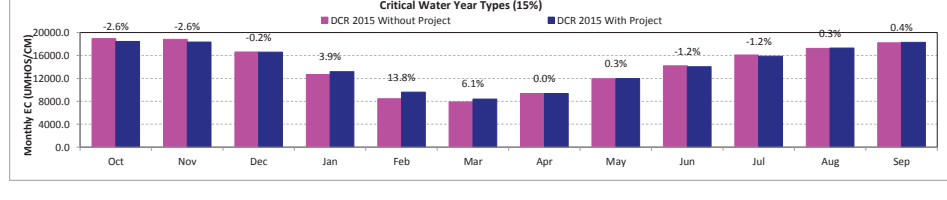
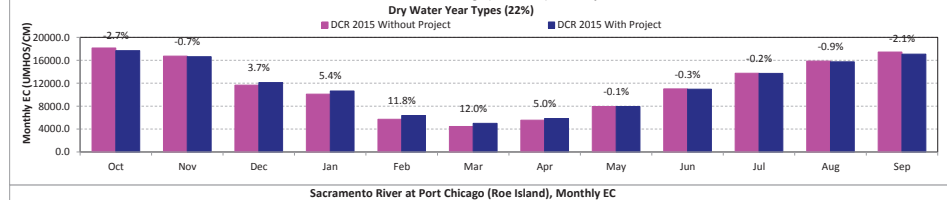
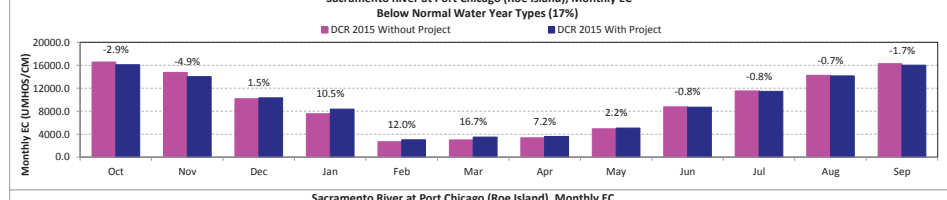
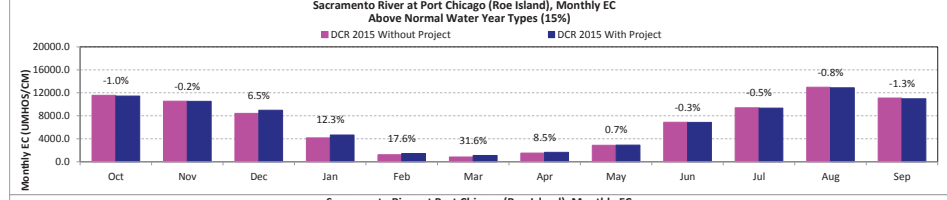
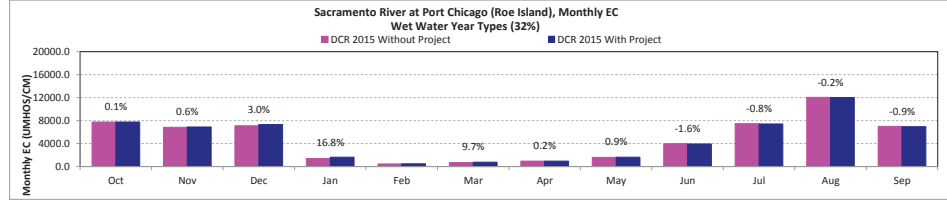
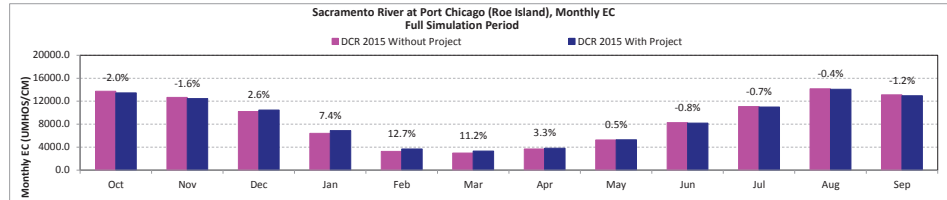
Table SQ-24-a  
Sacramento River at Port Chicago (Roe Island), Monthly EC  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	13730.9	12657.9	10212.3	6405.0	3263.7	2982.2	3685.9	5262.8	8258.8	11078.0	14157.1	13118.6
DCR 2015 With Project	13454.8	12449.8	10475.9	6880.5	3676.8	3315.1	3806.6	5291.2	8190.3	11002.8	14093.8	12963.1
Difference	-276.1	-208.1	263.6	475.6	413.1	332.8	120.7	28.3	-68.4	-75.2	-63.3	-155.5
Percent Difference <sup>2</sup>	-2.0%	-1.6%	2.6%	7.4%	12.7%	11.2%	3.3%	0.5%	-0.8%	-0.7%	-0.4%	-1.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7745.0	6838.6	7095.7	1382.6	441.5	683.3	956.8	1610.0	3981.9	7466.9	12051.3	7006.5
DCR 2015 With Project	7751.5	6881.3	7307.8	1615.4	466.7	750.0	958.6	1624.3	3919.5	7408.3	12031.2	6943.2
Difference	6.5	42.7	212.1	232.8	25.2	66.6	1.8	14.3	-62.3	-49.6	-20.1	-63.3
Percent Difference	0.1%	0.6%	3.0%	16.8%	5.7%	9.7%	0.2%	0.9%	-1.6%	-0.8%	-0.2%	-0.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	11554.9	10547.9	8412.4	4143.1	1224.4	824.0	1501.4	2866.5	6869.1	9395.5	12978.7	11094.1
DCR 2015 With Project	11440.1	10530.0	8961.0	4654.3	1440.1	1084.1	1628.7	2885.5	6845.7	9346.0	12868.4	10951.9
Difference	-114.8	-17.8	548.7	511.3	215.7	260.1	127.3	19.1	-23.3	-49.6	-110.3	-142.2
Percent Difference	-1.0%	-0.2%	6.5%	12.3%	17.6%	31.6%	8.5%	0.7%	-0.3%	-0.5%	-0.8%	-1.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	16557.6	14756.7	10174.6	7561.4	2694.8	2989.4	3358.4	4947.3	8771.2	11544.8	14247.8	16279.3
DCR 2015 With Project	16080.2	14031.8	10326.2	8358.5	3019.4	3489.2	3601.5	5056.4	8702.8	11451.3	14144.6	16008.9
Difference	-477.5	-724.9	151.6	797.2	324.6	499.8	243.1	109.1	-68.4	-93.4	-103.2	-270.4
Percent Difference	-2.9%	-4.9%	1.5%	10.5%	12.0%	16.7%	7.2%	2.2%	-0.8%	-0.8%	-0.7%	-1.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	18158.5	16733.3	11671.6	10093.3	5693.5	4452.7	5548.6	7934.4	11001.2	13724.6	15865.6	17437.6
DCR 2015 With Project	17670.0	16622.2	12109.2	10635.4	6364.6	4987.2	5823.8	7925.1	10963.5	13701.7	15726.2	17074.5
Difference	-488.5	-111.0	437.6	542.1	671.1	534.5	275.2	-9.3	-37.7	-22.9	-139.4	-363.1
Percent Difference	-2.7%	-0.7%	3.7%	5.4%	11.8%	12.0%	5.0%	-0.1%	-0.3%	-0.2%	-0.9%	-2.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	18937.4	18814.5	16620.2	12667.1	8436.8	7907.3	9371.1	11934.5	14203.5	16069.9	17229.4	18220.0
DCR 2015 With Project	18441.2	18330.4	16580.0	13157.9	9604.2	8392.3	9368.4	11964.8	14030.6	15876.2	17280.0	18296.7
Difference	-496.2	-484.1	-40.2	490.8	1167.4	485.0	-2.7	30.3	-172.9	-193.7	50.6	76.7
Percent Difference	-2.6%	-2.6%	-0.2%	3.9%	13.8%	6.1%	0.0%	0.3%	-1.2%	-1.2%	0.3%	0.4%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average



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

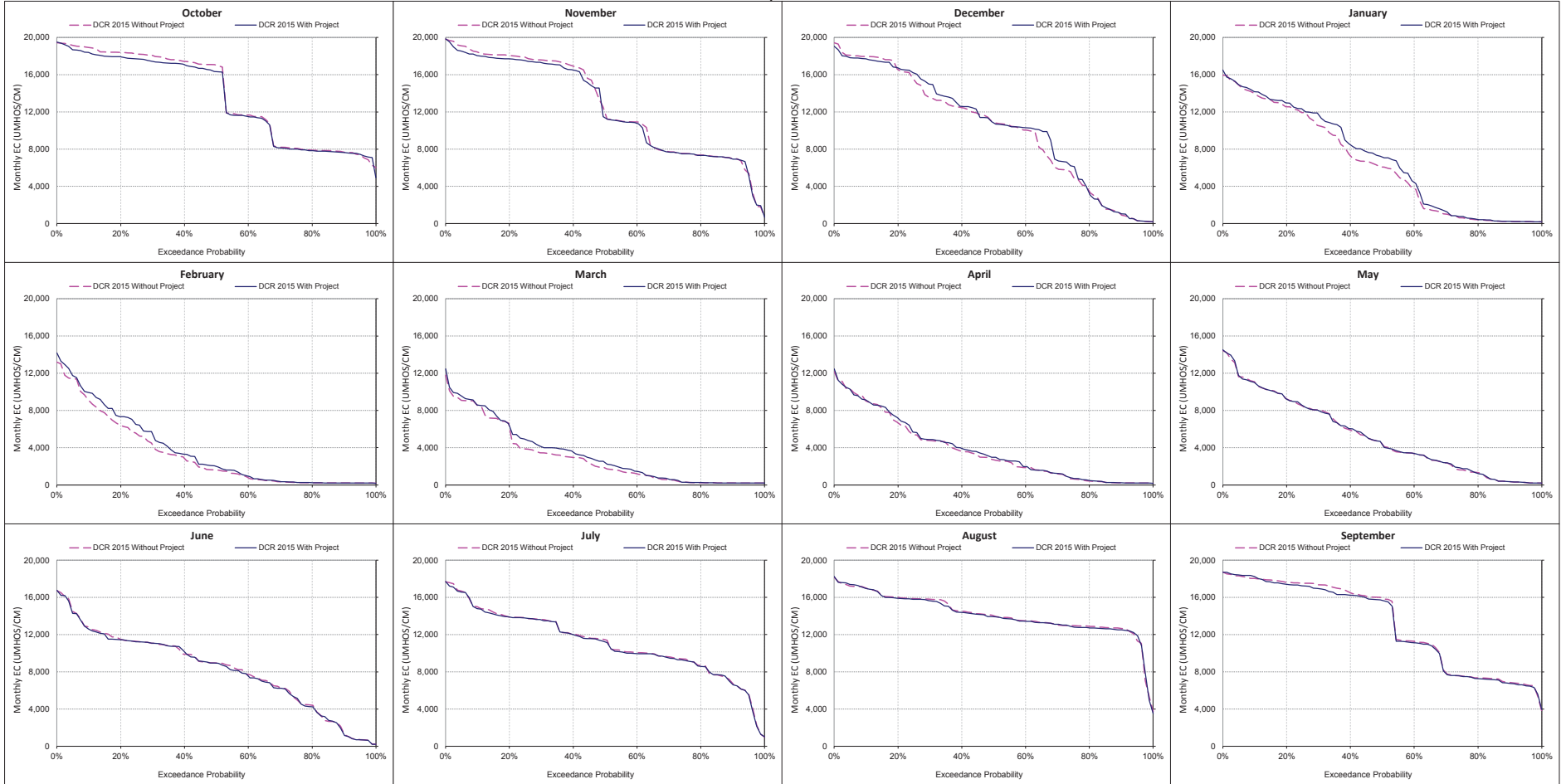


Table SQ-24-b  
Sacramento River at Port Chicago (Roe Island), Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	19438.3	19943.6	76.3	0.4%	
1.2%	19378.3	19390.1	11.8	0.1%	
2.5%	19355.8	19320.1	-33.7	-0.7%	
3.7%	19255.4	202.5	-1.1%		
4.9%	19157.7	18677.0	-480.6	-2.5%	
6.2%	19072.3	18648.0	-424.3	-2.2%	
7.4%	19037.7	18599.4	-438.3	-2.3%	
8.6%	18988.8	18421.0	-567.8	-3.0%	
9.9%	18921.8	18394.3	-27.5	-0.2%	
11.1%	18867.9	18221.4	-646.4	-3.4%	
12.3%	18757.8	18125.6	-632.2	-3.4%	
13.6%	18446.6	18087.3	-359.3	-1.9%	
14.8%	18446.5	17997.0	-449.4	-2.4%	
16.0%	18420.6	17973.5	-447.2	-2.4%	
17.3%	18415.7	17931.3	-484.4	-2.6%	
18.5%	18412.5	17925.0	-487.5	-2.6%	
19.8%	18392.0	17923.4	-468.5	-2.5%	
21.0%	18379.7	17842.5	-537.2	-2.9%	
22.2%	18336.2	17769.7	-566.5	-3.1%	
23.5%	18329.8	17745.2	-584.6	-3.2%	
24.7%	18232.0	17706.6	-525.3	-2.9%	
25.9%	18195.8	17688.8	-506.9	-2.8%	
27.2%	18180.7	17655.8	-523.9	-2.9%	
28.4%	18111.8	17526.6	-585.2	-3.2%	
29.6%	18107.9	17437.2	-670.7	-3.7%	
30.9%	17949.4	17366.5	-582.9	-3.2%	
32.1%	17921.8	17346.3	-575.5	-3.2%	
33.3%	17870.7	17293.5	-577.2	-3.3%	
34.5%	17868.9	17247.0	-621.9	-3.5%	
35.8%	17614.2	17222.0	-387.3	-2.2%	
37.0%	17612.4	17225.7	-386.7	-2.2%	
38.3%	17539.8	17191.6	-348.2	-2.0%	
39.5%	17451.0	17133.5	-317.5	-1.8%	
40.7%	17407.0	16979.6	-427.3	-2.5%	
42.0%	17365.6	16986.4	-379.2	-2.2%	
43.2%	17291.0	16828.6	-462.3	-2.7%	
44.4%	17139.9	16679.8	-460.0	-2.7%	
45.7%	17112.2	16673.3	-438.9	-2.6%	
46.9%	17098.5	16563.5	-535.0	-3.1%	
48.1%	17095.2	16517.7	-577.5	-3.4%	
49.4%	17022.1	16331.3	-690.8	-4.0%	
50.6%	16938.1	16318.3	-619.8	-3.7%	
51.9%	16823.8	16287.7	-536.1	-3.2%	
53.1%	11876.0	11910.4	34.4	0.3%	
54.3%	11857.9	11700.1	-157.8	-1.3%	
55.6%	11806.9	11643.7	-163.2	-1.4%	
56.8%	11681.7	11629.9	-51.7	-0.4%	
58.0%	11679.3	11625.9	-53.4	-0.5%	
59.3%	11664.4	11541.6	-122.8	-1.1%	
60.5%	11662.0	11464.9	-197.1	-1.7%	
61.7%	11507.5	11459.8	-47.8	-0.4%	
63.0%	11497.4	11360.7	-136.7	-1.2%	
64.2%	11488.9	11311.2	-177.7	-1.5%	
65.4%	11173.2	11039.6	-133.6	-1.2%	
66.7%	10763.2	10593.4	-169.8	-1.6%	
67.9%	8353.9	8295.4	-58.6	-0.7%	
69.1%	8201.2	8140.8	-60.4	-0.7%	
70.4%	8197.4	8117.2	-80.2	-1.0%	
71.6%	8185.9	8099.6	-86.4	-1.1%	
72.8%	8132.2	8012.1	-120.0	-1.5%	
74.1%	8091.1	8003.9	-87.2	-1.1%	
75.3%	8078.0	7998.4	-79.6	-1.0%	
76.5%	7997.4	7922.5	-74.9	-0.9%	
77.8%	7924.4	7906.8	-17.5	-0.2%	
79.0%	7908.7	7834.2	-74.5	-0.9%	
80.2%	7871.8	7811.8	-60.0	-0.8%	
81.5%	7868.2	7782.8	-85.4	-1.1%	
82.7%	7850.8	7776.4	-74.4	-0.9%	
84.0%	7847.4	7768.6	-78.7	-1.0%	
85.2%	7846.7	7762.6	-84.1	-1.1%	
86.4%	7806.9	7715.2	-91.7	-1.2%	
87.7%	7776.9	7686.2	-90.7	-1.2%	
88.9%	7754.1	7654.9	-99.3	-1.2%	
90.1%	7661.3	7625.7	-35.6	-0.5%	
91.4%	7636.7	7568.8	-67.8	-0.9%	
92.6%	7621.2	7549.8	-71.4	-0.9%	
93.8%	7445.8	7441.0	-4.8	-0.1%	
95.1%	7377.4	7432.7	55.3	0.7%	
96.3%	7053.4	7062.2	8.8	0.1%	
97.5%	6869.4	6854.7	-14.7	-0.2%	
98.8%	6266.8	7082.4	815.6	13.0%	
100.0%	6,011.7	4,930.1	-1,081.6	-18.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	19420.9	19817.9	25.3	0.1%	
1.2%	19674.9	19545.1	-129.8	-0.7%	
2.5%	19322.4	19592.2	269.7	1.4%	
3.7%	19194.9	18809.3	-385.6	-2.0%	
4.9%	19095.1	18527.8	-567.3	-3.0%	
6.2%	19060.3	18388.6	-671.8	-3.5%	
7.4%	18765.2	18219.7	-545.5	-2.9%	
8.6%	18538.6	18208.4	-330.2	-1.8%	
9.9%	18444.5	18061.1	-383.4	-2.1%	
11.1%	18265.0	17993.6	-271.4	-1.5%	
12.3%	18212.1	17969.4	-242.7	-1.3%	
13.6%	18173.2	17855.7	-317.5	-1.7%	
14.8%	18142.8	17825.9	-316.8	-1.7%	
16.0%	18132.0	17763.3	-368.6	-2.0%	
17.3%	18131.5	17728.3	-403.3	-2.2%	
18.5%	18131.0	17714.2	-416.8	-2.3%	
19.8%	18072.3	17709.8	-362.5	-2.0%	
21.0%	18027.1	17683.7	-343.5	-1.9%	
22.2%	17995.0	17620.9	-374.1	-2.1%	
23.5%	17920.4	17591.9	-328.5	-1.8%	
24.7%	17920.2	17529.7	-390.4	-2.2%	
25.9%	17868.8	17473.0	-395.8	-2.2%	
27.2%	17841.4	17385.5	-455.9	-2.5%	
28.4%	17690.8	17337.5	-353.3	-2.0%	
29.6%	17589.7	17335.0	-254.6	-1.4%	
30.9%	17558.2	17214.1	-344.0	-2.0%	
32.1%	17499.0	17159.7	-339.3	-1.9%	
33.3%	17490.1	17147.6	-342.5	-2.0%	
34.5%	17475.6	17079.4	-396.2	-2.3%	
35.8%	17376.3	17065.8	-310.5	-1.8%	
37.0%	17290.7	16746.3	-544.5	-3.1%	
38.3%	17122.2	16555.5	-566.8	-3.3%	
39.5%	16976.4	16529.8	-446.7	-2.6%	
40.7%	16832.4	16451.7	-380.7	-2.3%	
42.0%	16723.9	16398.4	-325.5	-2.0%	
43.2%	16514.4	16404.8	-109.6	-0.7%	
44.4%	16190.0	16180.8	-0.9	-0.0%	
45.7%	15416.3	14832.6	-583.7	-3.8%	
46.9%	14423.0	14574.7	151.8	1.1%	
48.1%	13352.0	14572.4	1220.3	9.1%	
49.4%	12531.3	14484.7	-1023.7	-8.2%	
50.6%	11229.6	11220.8	-8.8	-0.1%	
51.9%	11173.5	11144.3	-29.2	-0.3%	
53.1%	11146.0	11094.2	-51.8	-0.5%	
54.3%	11050.9	11023.3	-27.6	-0.2%	
55.6%	10962.0	10933.0	-29.0	-0.3%	
56.8%	10960.9	10862.9	-98.0	-0.9%	
58.0%	10933.7	10879.0	-54.7	-0.5%	
59.3%	10925.7	10871.2	-54.5	-0.5%	
60.5%	10914.4	10707.7	-206.7	-1.9%	
61.7%	10655.2	10275.8	-379.4	-3.6%	
63.0%	10326.2	8703.4	-1622.7	-15.7%	
64.2%	8424.8	8380.8	-43.8	-0.5%	
65.4%	8175.8	8156.9	-18.9	-0.2%	
66.7%	7946.1	8041.1	95.0	1.2%	
67.9%	7855.1	7860.9	5.8	0.1%	
69.1%	7778.1	7729.6	-48.5	-0.6%	
70.4%	7700.8	7659.6	-41.2	-0.5%	
71.6%	7696.0	7649.5	-46.5	-0.6%	
72.8%	7546.0	7615.1	69.1	0.9%	
74.1%	7544.8	7503.2	-41.6	-0.6%	
75.3%	7525.0	7484.2	-40.8	-0.5%	
76.5%	7507.9	7481.3	-26.6	-0.4%	
77.8%	7375.3	7475.5	100.3	1.4%	
79.0%	7368.3	7321.7	-46.6	-0.6%	
80.2%	7357.0	7318.4	-38.6	-0.5%	
81.5%	7350.0	7311.8	-38.2	-0.5%	
82.7%	7282.1	7234.7	-47.4	-0.7%	
84.0%	7212.8	7197.7	-15.1	-0.2%	
85.2%	7208.8	7176.7	-32.1	-0.4%	
86.4%	7167.0	7169.4	2.4	0.0%	
87.7%	7106.2	7106.1	-0.1	-0.0%	
88.9%	7093.0	7065.0	-28.0	-0.4%	
90.1%	6963.1	6919.7	-43.4	-0.6%	
91.4%	6953.8	6908.4	-45.4	-0.7%	
92.6%	6733.5	6795.0	61.5	0.9%	
93.8%	5787.6	6650.2	862.6	14.9%	
95.1%	5167.1	5167.1	0.0	0.0%	
96.3%	3269.1	3269.1	0.0	0.0%	
97.5%	1852.4	1997.3	144.9	7.8%	
98.8%	1784.8	1922.9	138.2	7.7%	
100.0%	671.4	4,930.1	4,258.7	634.0%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	19427.0	19042.1	-384.9	-2.0%	
1.2%	19300.3	18668.6	-631.6	-3.3%	
2.5%	18390.2	18691.6	301.4	1.6%	
3.7%	18106.8	18000.0	-106.8	-0.6%	
4.9%	18087.0	17822.3	-264.8	-1.5%	
6.2%	18030.3	17802.4	-227.9	-1.3%	
7.4%	18025.1	17781.8	-243.3	-1.4%	
8.6%	17963.1	17738.5	-224.6	-1.3%	
9.9%	17959.2	17695.3	-263.9	-1.5%	
11.1%	17954.2	17597.0	-357.2	-2.0%	
12.3%	17928.1	17545.4	-382.7	-2.1%	
13.6%	17872.3	17463.0	-409.3	-2.3%	
14.8%	17778.7	17389.4	-389.3	-2.2%	
16.0%	17619.3	17348.8	-270.5	-1.6%	
17.3%	17612.2	17326.3	-285.9	-1.6%	
18.5%	17513.2	16816.9	-696.3	-4.0%	
19.8%	16620.5	16755.4	134.9	0.8%	
21.0%	16321.6	16570.0	248.4	1.5%	
22.2%	16292.9	16517.7	224.8	1.4%	
23.5%	16291.0	16481.2	240.2	1.5%	
24.7%	15588.7	16236.5	647.8	4.2%	
25.9%	15588.7	16049.9	461.2	3.0%	
27.2%	14844.1	15540.5	696.3	4.7%	
28.4%	13859.3	15310.9	1451.6	10.5%	
29.6%	13579.0	15006.2	1427.2	10.5%	
30.9%	13452.9	14932.1	1480.2	11.0%	
32.1%	13248.3	13944.6	696.3	5.3%	
33.3%	13242.0	13789.1	547.1	4.1%	
34.5%	13132.9	13594.8	461.9	3.5%	
35.8%	12776.1	13585.4	809.3	6.3%	
37.0%	12639.6	13459.0	819.4	6.5%	
38.3%	12569.9	13000.3	430.4	3.4%	
39.5%	12497.5	12598.5	99.6	0.8%	
40.7%	12404.0	12578.8	174.7	1.4%	
42.0%	12261.4	12572.0	310.6	2.5%	
43.2%	11983.0	12470.8	487.9	4.1%	
44.4%	11915.2	12327.4	412.2	3.5%	
45.7%	11718.2	11399.9	-318.4	-2.7%	
46.9%	11651.4	11388.4	-263.0	-2.3%	
48.1%	11437.0	11371.0	-66.0	-0.6%	
49.4%	10974.4	10945.0	-29.4	-0.3%	
50.6%	10681.8	10700.7	118.9	1.1%	
51.9%	10741.0	10655.1	-85.9	-0.8%	
53.1%	10695.2	10602.6	-92.6	-0.9%	
54.3%	10662.4	10545.6	-116.8	-1.1%	
55.6%	10445.9	10414.2	-31.7	-0.3%	
56.8%	10404.1	10401.9	-2.2	0.0%	
58.0%	10274.8	10372.5	97.7	1.0%	
59.3%	10053.3	10304.7	251.4	2.5%	
60.5%	10028.6</				

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	13193.5	14191.6	998.2	7.6%
1.2%	13015.3	13303.3	288.0	2.2%
2.5%	11795.5	11426.2	-369.3	-3.1%
3.7%	11479.5	11275.5	-204.0	-1.8%
4.9%	11411.1	11756.2	345.1	3.0%
6.2%	11387.1	11536.2	149.1	1.3%
7.4%	10051.2	10645.0	593.8	5.9%
8.6%	9679.8	10055.1	375.3	3.9%
9.9%	9105.8	9921.5	815.6	9.0%
11.1%	8721.1	9843.6	1122.5	12.9%
12.3%	8343.9	9387.7	1043.7	12.5%
13.6%	7965.8	9193.5	1227.7	15.4%
14.8%	7769.8	8639.5	869.7	11.2%
16.0%	7373.8	8227.0	853.2	11.6%
17.3%	6976.5	8205.6	1229.1	17.6%
18.5%	6667.3	7462.5	795.2	11.9%
19.8%	6414.9	7343.0	928.0	14.5%
21.0%	6271.6	7324.8	1053.2	16.8%
22.2%	6173.4	7259.2	1085.8	17.6%
23.5%	5725.2	7053.7	1328.5	23.2%
24.7%	5573.4	6507.9	934.5	16.8%
25.9%	5245.9	5411.2	1165.3	22.2%
27.2%	5206.1	5786.3	580.3	11.1%
28.4%	4728.2	5742.2	1014.0	21.4%
29.6%	4497.4	5724.0	1226.7	27.3%
30.9%	3813.2	4760.3	947.1	24.8%
32.1%	3582.6	4566.0	983.5	27.5%
33.3%	3497.7	4468.2	969.6	28.1%
34.5%	3348.5	4170.8	822.3	24.6%
35.8%	3264.4	3764.3	499.9	15.3%
37.0%	3220.3	3448.6	228.3	7.1%
38.3%	3045.7	3406.3	360.7	11.8%
39.5%	3031.0	3305.0	274.0	9.0%
40.7%	2567.3	3292.9	725.6	28.3%
42.0%	2326.7	3075.8	549.1	23.6%
43.2%	2420.0	3049.9	629.8	26.0%
44.4%	1919.1	2238.8	319.7	16.7%
45.7%	1890.7	2231.3	340.6	18.0%
46.9%	1658.4	2149.5	491.1	29.6%
48.1%	1627.2	2083.5	456.3	28.0%
49.4%	1617.5	2054.7	447.3	27.7%
50.6%	1583.0	1926.2	343.2	21.7%
51.9%	1499.1	1708.9	209.8	14.0%
53.1%	1464.9	1614.1	149.2	10.2%
54.3%	1262.1	1605.5	343.4	27.2%
55.6%	1241.1	1563.2	342.1	27.6%
56.8%	1172.4	1300.4	188.0	16.0%
58.0%	1009.8	1104.5	94.7	9.4%
59.3%	899.0	992.3	93.2	10.4%
60.5%	669.2	881.7	212.5	31.7%
61.7%	603.4	664.4	61.1	10.1%
63.0%	567.7	649.8	82.1	14.5%
64.2%	539.6	568.0	28.4	5.3%
65.4%	471.2	528.7	57.5	12.2%
66.7%	467.8	527.6	59.8	12.8%
67.9%	419.8	474.8	55.0	13.1%
69.1%	350.8	400.9	50.1	14.3%
70.4%	332.0	344.0	12.0	3.6%
71.6%	308.3	343.1	34.7	11.3%
72.8%	296.1	322.8	26.7	9.0%
74.1%	271.3	314.4	43.1	15.9%
75.3%	263.4	264.2	0.8	0.3%
76.5%	245.7	259.0	13.3	5.4%
77.8%	243.7	256.8	13.1	5.4%
79.0%	229.9	251.0	21.1	9.2%
80.2%	221.3	234.8	13.4	6.1%
81.5%	216.4	222.9	6.4	3.0%
82.7%	215.8	222.8	6.9	3.2%
84.0%	214.5	214.3	-0.2	-0.1%
85.2%	212.7	213.8	1.1	0.5%
86.4%	210.4	210.7	0.3	0.1%
87.7%	206.1	210.0	1.9	0.9%
88.9%	206.7	208.2	1.5	0.7%
90.1%	205.8	205.6	-0.2	-0.1%
91.4%	205.0	205.0	0.0	0.0%
92.6%	201.5	200.0	-1.5	-0.8%
93.8%	197.8	198.2	0.4	0.2%
95.1%	197.0	198.1	1.1	0.6%
96.3%	196.1	197.6	1.5	0.8%
97.5%	196.3	196.4	0.1	0.0%
98.8%	192.8	194.5	1.7	0.9%
100.0%	184.9	184.9	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	11794.6	12478.5	683.9	5.8%
1.2%	10112.4	10503.9	391.5	3.9%
2.5%	9521.1	9951.8	430.7	4.5%
3.7%	9401.7	9848.8	447.1	4.8%
4.9%	9090.0	9567.0	477.0	5.2%
6.2%	9058.9	9273.4	214.5	2.4%
7.4%	9051.4	9201.6	150.2	1.7%
8.6%	9034.5	9139.0	104.5	1.2%
9.9%	8566.7	8757.9	191.2	2.2%
11.1%	8527.4	8526.2	-1.2	0.0%
12.3%	7502.9	8501.4	998.5	13.3%
13.6%	7189.6	8072.7	883.1	12.3%
14.8%	7163.1	7914.8	751.7	10.5%
16.0%	7142.1	7376.9	234.8	3.3%
17.3%	6851.7	6924.1	72.5	1.1%
18.5%	6836.0	6873.4	37.4	0.5%
19.8%	6642.5	6568.9	-73.6	-1.1%
21.0%	6450.6	5427.4	-1023.2	-15.8%
22.2%	4408.1	5424.6	1016.5	23.1%
23.5%	3904.7	5010.3	1105.6	28.3%
24.7%	3876.8	4939.1	1062.3	27.4%
25.9%	3165.3	3837.7	672.4	21.3%
27.2%	3762.4	4649.1	886.7	23.6%
28.4%	3588.8	4360.7	772.0	21.5%
29.6%	3450.7	4177.9	727.2	21.1%
30.9%	3440.0	4007.4	567.4	16.5%
32.1%	3380.0	4005.4	625.4	18.5%
33.3%	3322.3	4003.4	681.2	20.5%
34.5%	3224.7	3969.3	744.6	23.1%
35.8%	3197.1	3870.8	673.6	21.1%
37.0%	3057.7	3842.2	784.5	25.7%
38.3%	3015.3	3726.0	710.7	23.6%
39.5%	2968.5	3650.8	682.3	23.0%
40.7%	2934.2	3340.8	406.6	13.9%
42.0%	3075.8	3229.5	-306.6	-10.0%
43.2%	2826.4	3168.9	342.5	12.1%
44.4%	2433.1	2977.3	544.2	22.4%
45.7%	2240.7	2863.6	622.8	27.8%
46.9%	2007.1	2683.3	676.2	33.7%
48.1%	1909.7	2553.3	643.6	33.7%
49.4%	1905.9	2532.8	626.9	32.9%
50.6%	1717.1	2224.2	507.1	29.5%
51.9%	1663.5	2174.0	510.5	30.7%
53.1%	1633.1	2046.2	413.1	25.3%
54.3%	1553.9	1921.9	368.0	23.7%
55.6%	1406.1	1783.0	377.0	26.8%
56.8%	1326.1	1746.6	420.5	31.7%
58.0%	1313.9	1672.6	358.7	27.3%
59.3%	1259.9	1473.4	213.5	17.1%
60.5%	1138.4	1416.5	278.1	24.4%
61.7%	1103.5	1135.2	211.7	19.2%
63.0%	1028.5	994.0	-34.4	-3.2%
64.2%	965.7	978.3	12.6	1.3%
65.4%	730.9	894.9	164.1	22.5%
66.7%	706.5	734.6	28.1	4.0%
67.9%	586.5	734.3	147.8	25.2%
69.1%	573.6	707.4	133.8	23.3%
70.4%	528.9	586.3	57.4	10.8%
71.6%	515.9	574.5	58.6	11.4%
72.8%	388.5	490.4	102.0	26.3%
74.1%	299.7	301.9	2.3	0.8%
75.3%	295.3	292.2	-3.1	-1.1%
76.5%	267.7	259.8	-7.9	-3.0%
77.8%	242.7	257.4	14.7	6.0%
79.0%	237.2	251.8	14.6	6.1%
80.2%	234.8	246.2	11.4	4.9%
81.5%	229.9	237.6	7.7	3.3%
82.7%	229.6	230.5	0.8	0.4%
84.0%	227.1	221.4	-5.7	-2.5%
85.2%	209.3	209.5	0.1	0.1%
86.4%	207.3	208.1	0.8	0.4%
87.7%	206.1	206.2	0.1	0.0%
88.9%	205.7	205.6	0.0	0.0%
90.1%	203.8	205.6	1.9	0.9%
91.4%	199.1	201.9	2.8	1.4%
92.6%	199.0	198.4	-0.6	-0.3%
93.8%	197.5	197.6	0.1	0.1%
95.1%	194.0	197.6	3.6	1.8%
96.3%	193.7	195.6	1.9	0.9%
97.5%	192.6	194.3	1.8	0.9%
98.8%	192.4	194.2	1.8	0.9%
100.0%	192.2	192.7	0.6	0.3%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	12193.0	12467.4	274.4	2.3%
1.2%	11180.2	11252.8	72.7	0.6%
2.5%	11132.2	10921.7	-211.4	-2.0%
3.7%	10379.6	10487.8	108.2	1.0%
4.9%	10333.3	10298.6	-34.7	-0.3%
6.2%	9911.7	9670.1	-241.6	-2.4%
7.4%	9655.6	9582.7	-72.8	-0.8%
8.6%	9647.7	9219.5	-428.2	-4.4%
9.9%	9030.8	9132.9	102.1	1.1%
11.1%	8947.8	8875.1	-72.7	-0.8%
12.3%	8716.3	8588.3	-128.0	-1.5%
13.6%	8634.7	8560.2	-74.5	-0.9%
14.8%	8287.2	8484.5	197.3	2.4%
16.0%	7813.9	8332.5	518.6	6.6%
17.3%	7787.2	7842.4	55.3	0.7%
18.5%	6980.8	7515.9	535.1	7.7%
19.8%	6738.9	7239.4	500.5	7.4%
21.0%	6410.5	6850.2	439.7	6.9%
22.2%	6370.2	6697.0	326.9	5.1%
23.5%	5758.7	6413.4	654.7	11.4%
24.7%	5381.7	5685.3	303.6	5.6%
25.9%	5263.7	5630.8	367.1	7.0%
27.2%	4981.8	4996.3	134.5	2.8%
28.4%	4809.0	4915.6	106.5	2.2%
29.6%	4788.0	4873.2	85.3	1.8%
30.9%	4740.3	4867.0	126.8	2.7%
32.1%	4700.9	4795.8	95.0	2.0%
33.3%	4688.7	4737.4	77.7	1.7%
34.5%	4688.8	4578.0	-90.8	-1.7%
35.8%	4268.8	4552.4	283.6	6.7%
37.0%	3977.9	4426.0	448.1	11.3%
38.3%	3822.7	4019.9	197.1	5.2%
39.5%	3651.3	3990.5	339.2	9.3%
40.7%	3567.5	3823.2	255.7	7.2%
42.0%	3563.0	3749.0	186.0	5.2%
43.2%	3416.8	3628.4	211.6	6.2%
44.4%	3305.4	3585.1	279.8	8.5%
45.7%	2980.2	3421.7	441.5	14.8%
46.9%	2973.7	3298.0	324.3	10.9%
48.1%	2950.8	3139.4	188.6	6.4%
49.4%	2740.2	2977.5	237.3	8.7%
50.6%	2648.2	2965.0	316.8	12.0%
51.9%	2572.6	2731.6	159.0	6.2%
53.1%	2569.8	2722.1	152.3	5.9%
54.3%	2525.3	2594.7	69.4	2.7%
55.6%	2381.9	2574.2	192.3	8.1%
56.8%	1957.9	2566.4	608.5	31.1%
58.0%	1933.8	2470.0	536.3	27.7%
59.3%	1870.8	1984.9	114.1	6.1%
60.5%	1860.8	1959.9	99.1	5.3%
61.7%	1854.7	1642.6	-212.0	-11.4%
63.0%	1621.2	1598.3	-22.9	-1.4%
64.2%	1595.4	1580.8	-14.6	-1.2%
65.4%	1475.0	1592.3	87.3	5.9%
66.7%	1463.1	1489.4	26.3	1.8%
67.9%	1281.0	1326.4	45.2	3.5%
69.1%				

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

June						July						August						September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)		Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)		Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)		Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	16724.6	16724.6	45.2	0.3%		0.0%	17674.7	17696.4	21.6	0.1%		0.0%	18152.6	18236.1	83.5	0.5%		0.0%	18732.9	18713.9	-19.1	-0.1%	
1.2%	16516.2	16227.3	-288.8	-1.7%		1.2%	17589.1	17210.7	-378.5	-2.2%		1.2%	17701.0	17618.9	-82.0	-0.5%		1.2%	18527.4	18701.2	173.8	0.9%	
2.5%	16193.1	16104.3	-88.9	-0.5%		2.5%	17499.0	17096.0	-403.0	-2.3%		2.5%	17469.1	17593.6	112.5	0.6%		2.5%	18475.6	18521.6	46.0	0.2%	
3.7%	15826.2	15626.2	-201.9	-1.3%		3.7%	16779.5	16584.0	-195.5	-1.2%		3.7%	17384.4	17352.8	-16.6	-0.1%		3.7%	18325.8	18456.6	127.7	0.7%	
4.9%	14496.1	14272.2	-223.9	-1.5%		4.9%	16681.6	16552.6	-129.0	-0.8%		4.9%	17216.0	17389.9	173.9	1.0%		4.9%	18325.5	18403.8	78.3	0.4%	
6.2%	14262.7	14244.1	-18.7	-0.1%		6.2%	16535.0	16235.4	-300.0	-1.8%		6.2%	17184.9	17353.5	168.6	1.0%		6.2%	18247.4	18360.9	113.5	0.6%	
7.4%	13700.8	13566.8	-134.0	-1.0%		7.4%	15875.1	15949.1	74.0	0.5%		7.4%	17172.0	17267.4	95.4	0.6%		7.4%	18167.1	18352.7	185.7	1.0%	
8.6%	12896.9	12896.9	-28.3	-0.2%		8.6%	15046.6	15027.8	-18.8	-0.1%		8.6%	17170.2	17091.8	-78.4	-0.5%		8.6%	18044.5	18352.4	307.8	1.7%	
9.9%	12526.4	12590.2	63.8	0.5%		9.9%	14999.0	14794.0	-205.0	-1.4%		9.9%	17006.2	16965.8	-40.4	-0.2%		9.9%	18044.3	18254.3	210.0	1.2%	
11.1%	12546.6	12409.5	-137.6	-1.1%		11.1%	14784.0	14730.0	-53.9	-0.4%		11.1%	16852.3	16863.7	11.4	0.1%		11.1%	17984.5	18023.3	38.8	0.2%	
12.3%	12459.2	12278.9	-180.3	-1.4%		12.3%	14732.4	14423.8	-308.5	-2.1%		12.3%	16773.2	16808.9	35.7	0.2%		12.3%	17952.8	17941.0	-11.8	-0.1%	
13.6%	12268.8	12140.4	-128.4	-1.0%		13.6%	14672.4	14348.1	-324.3	-2.2%		13.6%	16672.3	16632.7	-39.6	-0.2%		13.6%	17883.5	17716.4	-167.1	-0.9%	
14.8%	12142.9	12070.7	-72.2	-0.6%		14.8%	14436.8	14233.4	-203.4	-1.4%		14.8%	16231.7	16179.2	-52.5	-0.3%		14.8%	17881.7	17666.7	-215.0	-1.2%	
16.0%	12049.9	11522.5	-527.4	-4.4%		16.0%	14243.3	14100.0	-143.3	-1.0%		16.0%	16083.2	16004.9	-78.3	-0.5%		16.0%	17836.6	17655.0	-270.6	-1.5%	
17.3%	11752.2	11501.1	-251.2	-2.1%		17.3%	14175.2	14011.3	-163.8	-1.2%		17.3%	16060.4	15989.9	-70.5	-0.4%		17.3%	17782.8	17549.5	-233.3	-1.3%	
18.5%	11741.1	11473.9	-267.3	-2.3%		18.5%	14030.0	13948.1	-81.9	-0.6%		18.5%	16046.3	15963.3	-82.0	-0.5%		18.5%	17719.9	17482.4	-230.5	-1.3%	
19.8%	11526.9	11461.6	-65.3	-0.6%		19.8%	13894.2	13909.9	15.7	0.1%		19.8%	16034.4	15900.6	-133.8	-0.8%		19.8%	17628.3	17419.3	-209.0	-1.2%	
21.0%	11396.5	11419.0	22.6	0.2%		21.0%	13880.6	13835.2	-45.4	-0.3%		21.0%	15932.8	15864.6	-68.2	-0.4%		21.0%	17617.8	17365.2	-252.6	-1.4%	
22.2%	11343.2	11350.3	7.1	0.1%		22.2%	13852.2	13832.5	-19.7	-0.1%		22.2%	15924.0	15860.3	-63.7	-0.4%		22.2%	17567.5	17337.7	-229.8	-1.3%	
23.5%	11301.5	11319.5	18.0	0.2%		23.5%	13839.1	13826.0	-13.1	-0.1%		23.5%	15889.3	15840.9	-48.3	-0.3%		23.5%	17562.8	17328.6	-234.1	-1.3%	
24.7%	11287.9	11238.1	-49.7	-0.4%		24.7%	13837.1	13784.8	-52.3	-0.4%		24.7%	15870.0	15805.7	-64.3	-0.4%		24.7%	17523.1	17260.4	-262.6	-1.5%	
25.9%	11237.5	11237.5	61.1	0.5%		25.9%	13811.1	13768.0	-43.1	-0.3%		25.9%	15831.1	15764.2	-66.9	-0.4%		25.9%	17523.6	17209.3	-310.1	-1.8%	
27.2%	11189.0	11194.4	5.4	0.0%		27.2%	13808.0	13714.4	-93.6	-0.7%		27.2%	15839.8	15780.1	-59.6	-0.4%		27.2%	17515.2	17180.2	-335.3	-1.9%	
28.4%	11171.9	11177.6	5.8	0.1%		28.4%	13682.6	13627.1	-55.5	-0.4%		28.4%	15828.8	15756.9	-71.9	-0.5%		28.4%	17493.6	16982.1	-511.5	-2.9%	
29.6%	11066.9	11072.4	5.5	0.0%		29.6%	13613.8	13624.3	10.5	0.1%		29.6%	15813.7	15656.0	-157.7	-1.0%		29.6%	17353.6	16954.2	-399.4	-2.3%	
30.9%	11064.0	11059.8	-4.2	0.0%		30.9%	13612.5	13483.8	-128.7	-0.9%		30.9%	15770.0	15583.8	-186.2	-1.2%		30.9%	17347.8	16900.0	-448.8	-2.6%	
32.1%	10948.7	11033.6	84.9	0.8%		32.1%	13478.5	13478.5	-18.8	-0.1%		32.1%	15769.6	15668.9	-100.7	-0.6%		32.1%	17332.1	16833.0	-499.1	-2.9%	
33.3%	10948.7	10948.7	27.9	0.3%		33.3%	13432.0	13401.2	-30.8	-0.2%		33.3%	15754.2	15676.5	-77.7	-0.5%		33.3%	17320.7	16815.5	-505.1	-2.9%	
34.5%	10826.9	10800.8	-26.1	-0.3%		34.5%	13403.9	13381.0	-22.9	-0.2%		34.5%	15614.9	15501.6	-113.3	-0.7%		34.5%	17085.7	16550.7	-535.0	-3.1%	
35.8%	10796.3	10745.3	-51.0	-0.5%		35.8%	12253.4	12268.1	14.7	0.1%		35.8%	15277.8	15058.4	-219.4	-1.4%		35.8%	16991.4	16319.2	-672.1	-4.0%	
37.0%	10771.5	10736.7	-34.8	-0.3%		37.0%	12205.7	12214.7	9.0	0.1%		37.0%	14646.0	14609.9	-36.0	-0.2%		37.0%	16925.5	16301.6	-623.9	-3.7%	
38.3%	10451.7	10726.8	275.1	2.6%		38.3%	12204.6	12174.5	-30.1	-0.2%		38.3%	14574.4	14433.4	-141.0	-1.0%		38.3%	16791.0	16298.3	-492.7	-2.9%	
39.5%	9903.1	10312.2	409.1	4.1%		39.5%	12052.9	12068.3	15.4	0.1%		39.5%	14505.9	14394.0	-111.9	-0.8%		39.5%	16571.9	16262.8	-309.1	-1.9%	
40.7%	9879.6	9892.4	12.8	0.1%		40.7%	12032.0	11916.0	-116.0	-1.0%		40.7%	14500.1	14366.5	-133.5	-0.9%		40.7%	16374.9	16216.5	-158.4	-1.0%	
42.0%	9854.1	9608.9	-245.4	-2.6%		42.0%	11998.1	11921.2	-76.9	-0.6%		42.0%	14406.5	14322.1	-84.4	-0.6%		42.0%	16371.8	16189.8	-181.8	-1.1%	
43.2%	9670.9	9562.9	-108.0	-1.1%		43.2%	11784.8	11588.3	-196.5	-1.7%		43.2%	14358.6	14243.6	-115.0	-0.8%		43.2%	16233.5	16119.2	-114.3	-0.7%	
44.4%	9123.4	9161.0	37.6	0.4%		44.4%	11693.7	11581.9	-111.8	-1.0%		44.4%	14236.6	14182.1	-54.5	-0.4%		44.4%	16181.1	16024.0	-157.0	-1.0%	
45.7%	9076.6	9124.1	47.5	0.5%		45.7%	11592.7	11555.5	-37.2	-0.3%		45.7%	14232.5	14162.4	-70.1	-0.5%		45.7%	16034.0	15810.9	-223.1	-1.4%	
46.9%	9030.3	9051.8	21.5	0.2%		46.9%	11589.3	11533.3	-56.0	-0.5%		46.9%	14181.6	14123.9	-57.6	-0.4%		46.9%	16030.5	15803.5	-227.1	-1.4%	
48.1%	8961.3	8955.2	-6.0	-0.1%		48.1%	11557.4	11440.0	-117.4	-1.0%		48.1%	14141.2	13948.3	-192.8	-1.4%		48.1%	16019.6	15777.8	-241.8	-1.5%	
49.4%	8952.6	8950.9	-1.6	0.0%		49.4%	11501.2	11291.9	-209.3	-1.8%		49.4%	14091.2	13933.1	-158.1	-1.1%		49.4%	16011.7	15722.6	-289.2	-1.7%	
50.6%	8946.8	8946.8	-41.0	-0.5%		50.6%	11395.0	11144.1	-250.9	-2.2%		50.6%	13955.5	13909.6	-45.9	-0.3%		50.6%	15832.6	15632.6	-181.7	-1.1%	
51.9%	8914.1	8702.5	-211.6	-2.4%		51.9%	10437.1	10493.6	56.5	0.5%		51.9%	13878.6	13850.2	-28.4	-0.2%		51.9%	15779.9	15509.2	-270.7	-1.7%	
53.1%	8749.8	8581.2	-168.6	-1.9%		53.1%	10357.1	10188.7	-168.5	-1.6%		53.1%	13847.7	13728.2	-119.5	-0.9%		53.1%	15577.3	15044.6	-532.7	-3.4%	
54.3%	8682.0	8239.8	-442.2	-5.1%		54.3%	10342.0	10168.6	-173.4	-1.7%		54.3%	13840.8	13712.9	-127.9	-0.9%		54.3%	14907.6	14271.9	-635.7	-4.3%	
55.6%	8412.5	8157.1	-255.4	-3.0%		55.6%	10203.3	10101.9	-101.4	-1.0%		55.6%	13788.8	13667.7	-121.1	-0.9%		55.6%	14405.2	14270.1	-135.1	-1.2%	
56.8%	8225.8	8138.5	-87.3	-1.1%		56.8%	10136.5	10003.2	-133.4	-1.3%		56.8%	13546.5	13594.6	48.1	0.3%		56.8%	14333.4	14262.1	-71.4	-0.6%	
58.0%	8223.5	7870.0	-353.5	-4.3%		58.0%	10135.9	9994.1	-141.7	-1.4%		58.0%	13524.5	13449.9	-74.6	-0.6%		58.0%	14327.9	14195.4	-132.6	-1.2%	
59.3%	7759.1	7759.8	38.7	0.5%		59.3%	10095.0	9964.0	-130.9	-1.3%		59.3%	13497.4	13448.5	-48.9	-0.4%		59.3%	14306.9	14285.5	-21.4	-0.2%	
60.5%	7680.0	7354.4	-325.6	-4.2%		60.5%	10057.4	9952.6	-104.8	-1.0%		60.5%	13471.1	13434.7	-36.4	-0.3%		60.5%	14236.5	14098.6	-137.9	-1.2%	
61.7%	7461.7	7343.3	-118.4	-1.6%		61.7%	10051.5	9942.3	-109.2	-1.1%		61.7%	13458.9	13417.7	-41.2	-0.3%		61.7%	14174.1	14056.2	-117.9	-1.1%	
63.0%	7340.5	7259.7	-80.9	-1.1%		63.0%	10013.4	9938.1	-75.3	-0.8%		63.0%	13432.2	13315.0	-117.2	-0.9%		63.0%	14156.9	14083.2	-73.7	-0.6%	
64.2%	7096.2	6986.8	-107.4	-1.5%		64.2%	9970.5	9934.9	-35.5	-0.4%		64.2%	13336.0	13291.1	-44.9	-0.3%		64.2%	14040.8	14062.6	21.8	0.2%	
65.4%	7070.0	6892.0	-178.0	-2.5%		65.4%	9925.4	9871.5	-53.9	-0.5%		65.4%	13299.0	13277.2	-21.7	-0.2%		65.4%	13976.9	13888.9	-88.0	-0.6%	
66.7%	6886.4	6843.3	-43.1	-0.6%		66.7%	9707.2	9709.7	2.4	0.0%		66.7%	13282.0	13260.9	-21.1	-							

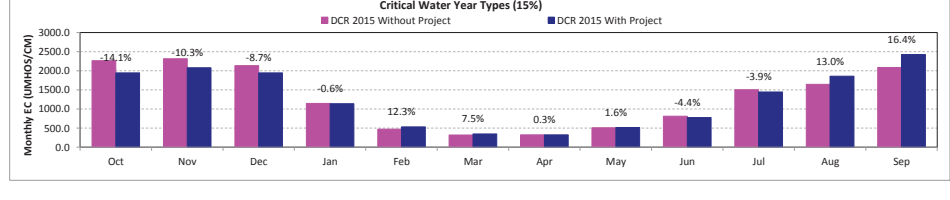
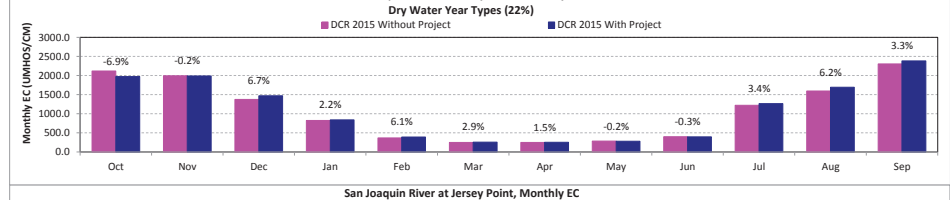
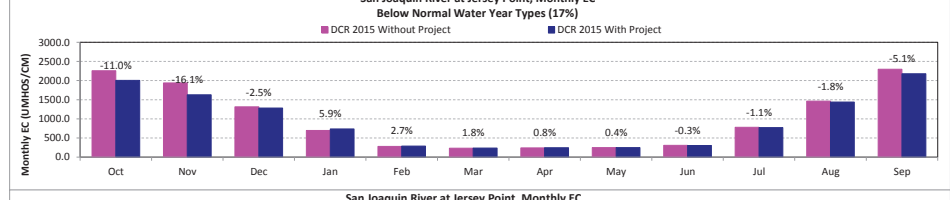
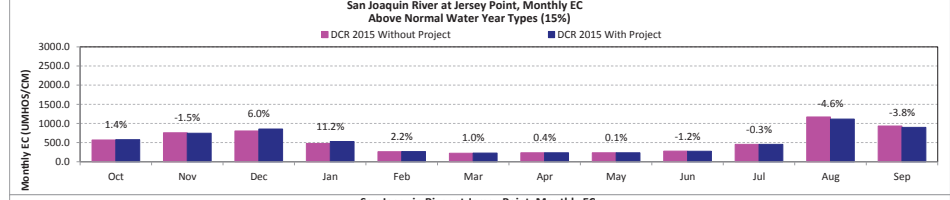
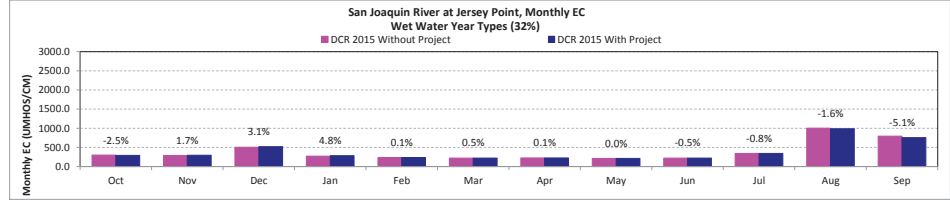
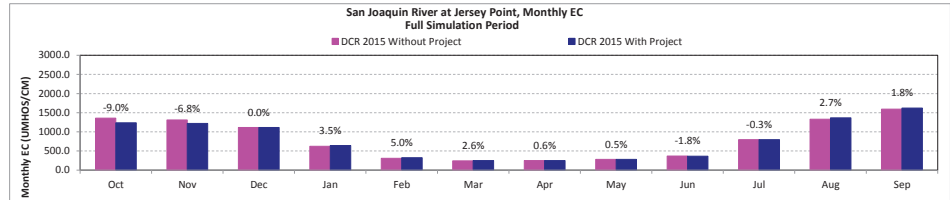
Table SQ-25-a  
San Joaquin River at Jersey Point, Monthly EC  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	1359.9	1309.1	1116.5	623.1	310.5	244.5	248.5	281.0	369.0	796.7	1330.4	1591.9
DCR 2015 With Project	1237.4	1220.4	1116.3	644.9	326.1	250.9	250.0	282.3	362.5	794.5	1366.1	1620.6
Difference	-122.5	-88.7	-0.2	21.8	15.5	6.4	1.5	1.3	-6.5	-2.2	35.7	28.7
Percent Difference <sup>3</sup>	-9.0%	-6.8%	0.0%	3.5%	5.0%	2.6%	0.6%	0.5%	-1.8%	-0.3%	2.7%	1.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	299.2	288.5	504.9	272.2	236.0	220.3	223.2	213.6	221.2	343.3	1002.9	795.9
DCR 2015 With Project	291.8	293.4	520.8	285.2	236.1	221.3	223.5	213.7	220.1	340.3	987.1	755.0
Difference	-7.4	5.0	15.8	13.0	0.2	1.0	0.2	0.1	-1.1	-2.9	-15.9	-40.9
Percent Difference	-2.5%	1.7%	3.1%	4.8%	0.1%	0.5%	0.1%	0.0%	-0.5%	-0.8%	-1.6%	-5.1%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	569.9	757.9	805.8	477.1	260.7	223.2	232.6	233.8	276.6	454.7	1168.1	932.3
DCR 2015 With Project	577.8	746.8	854.4	530.6	266.3	225.4	233.5	234.1	273.3	453.3	1114.8	896.8
Difference	7.9	-11.1	48.6	53.5	5.6	2.2	0.9	0.3	-3.3	-1.4	-53.4	-35.5
Percent Difference	1.4%	-1.5%	6.0%	11.2%	2.2%	1.0%	0.4%	0.1%	-1.2%	-0.3%	-4.6%	-3.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2255.1	1938.1	1315.0	695.3	279.3	234.0	242.3	249.3	306.7	780.0	1464.9	2296.1
DCR 2015 With Project	2006.7	1627.0	1282.3	736.2	286.7	238.1	244.2	250.3	305.8	771.2	1438.1	2180.0
Difference	-248.5	-311.2	-32.8	40.9	7.4	4.1	1.9	1.0	-0.9	-8.8	-26.8	-116.1
Percent Difference	-11.0%	-16.1%	-2.5%	5.9%	2.7%	1.8%	0.8%	0.4%	-0.3%	-1.1%	-1.8%	-5.1%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2119.5	1992.2	1376.0	823.5	367.6	251.2	251.0	283.2	397.5	1222.7	1597.0	2305.8
DCR 2015 With Project	1973.6	1988.3	1468.8	841.5	389.9	258.4	254.7	282.7	396.3	1264.1	1696.3	2381.6
Difference	-145.9	-3.9	92.8	17.9	22.3	7.2	3.7	-0.5	-1.3	41.4	99.4	75.7
Percent Difference	-6.9%	-0.2%	6.7%	2.2%	6.1%	2.9%	1.5%	-0.2%	-0.3%	3.4%	6.2%	3.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	2264.2	2313.2	2131.3	1144.2	472.7	320.3	322.6	507.9	811.7	1501.7	1645.1	2083.7
DCR 2015 With Project	1944.0	2076.0	1945.8	1137.2	530.7	344.3	323.5	515.8	775.8	1442.7	1859.1	2425.6
Difference	-320.2	-237.2	-185.5	-7.0	58.0	24.0	0.9	7.9	-35.9	-59.0	214.0	341.8
Percent Difference	-14.1%	-10.3%	-8.7%	-0.6%	12.3%	7.5%	0.3%	1.6%	-4.4%	-3.9%	13.0%	16.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

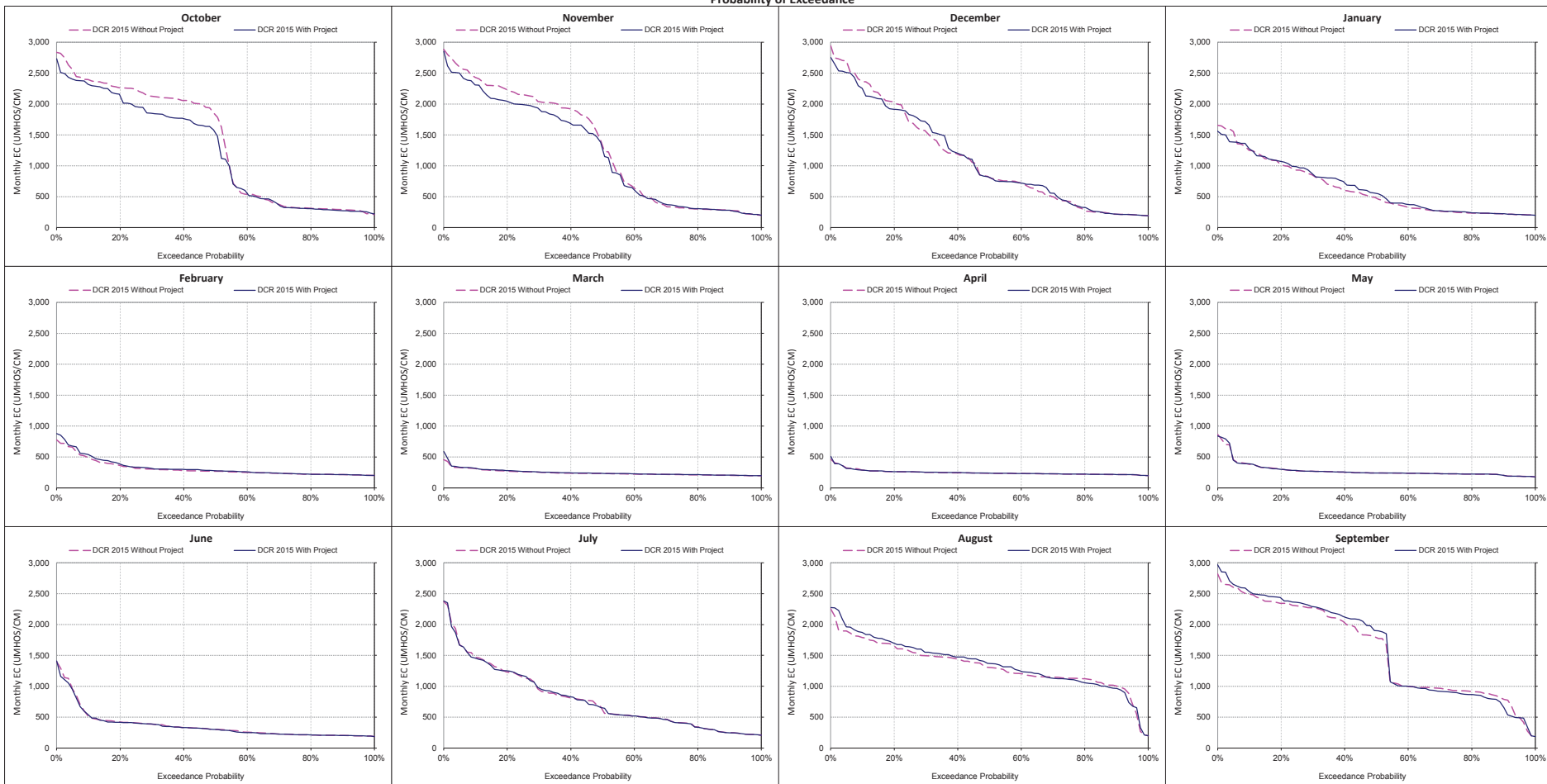




Table SQ-25-b  
San Joaquin River at Jersey Point, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	2836.2	2732.2	-104.0	-3.7%	
1.2%	2821.0	2510.2	-310.8	-11.0%	
2.5%	2750.7	2492.4	-258.3	-9.4%	
3.7%	2631.6	2432.7	-198.9	-7.6%	
4.9%	2562.7	2402.8	-159.9	-6.2%	
6.2%	2444.7	2316.6	-63.1	-2.6%	
7.4%	2434.1	2376.5	-57.6	-2.4%	
8.6%	2400.2	2374.5	-25.6	-1.1%	
9.9%	2397.2	2316.2	-81.0	-3.4%	
11.1%	2372.7	2295.3	-77.4	-3.2%	
12.3%	2360.9	2289.7	-71.2	-3.0%	
13.6%	2359.5	2278.2	-81.2	-3.4%	
14.8%	2340.2	2253.5	-86.6	-3.7%	
16.0%	2336.2	2247.5	-88.7	-3.8%	
17.3%	2291.4	2184.1	-107.4	-4.7%	
18.5%	2279.7	2168.3	-111.4	-4.9%	
19.8%	2262.6	2159.0	-103.6	-4.6%	
21.0%	2262.2	2015.4	-246.8	-10.9%	
22.2%	2256.4	2012.9	-243.5	-10.8%	
23.5%	2255.2	2000.6	-254.6	-11.3%	
24.7%	2241.9	1959.6	-282.2	-12.6%	
25.9%	2234.3	1915.2	-319.1	-14.3%	
27.2%	2180.6	1945.4	-235.2	-10.8%	
28.4%	2141.2	1853.7	-287.6	-13.4%	
29.6%	2128.3	1748.9	-379.4	-17.8%	
30.9%	2120.6	1841.8	-278.8	-13.1%	
32.1%	2111.4	1836.7	-274.7	-13.0%	
33.3%	2102.8	1834.1	-268.7	-12.8%	
34.5%	2100.8	1799.3	-301.4	-14.3%	
35.8%	2095.3	1784.8	-310.5	-14.8%	
37.0%	2092.9	1775.7	-317.2	-15.2%	
38.3%	2078.4	1770.9	-307.5	-14.8%	
39.5%	2058.5	1768.4	-290.1	-14.1%	
40.7%	2057.6	1753.1	-304.5	-14.8%	
42.0%	2052.9	1739.3	-313.6	-15.3%	
43.2%	2012.3	1685.0	-327.3	-16.3%	
44.4%	2005.8	1657.2	-348.6	-17.4%	
45.7%	2002.4	1652.6	-349.8	-17.5%	
46.9%	1948.2	1639.3	-308.9	-15.9%	
48.1%	1937.6	1636.3	-301.4	-15.6%	
49.4%	1955.7	1581.7	-374.0	-19.1%	
50.6%	1784.1	1477.5	-306.5	-17.2%	
51.9%	1625.2	1121.5	-503.7	-31.0%	
53.1%	1298.7	1107.3	-191.4	-14.7%	
54.3%	995.6	996.0	0.4	0.0%	
55.6%	714.8	705.8	-9.0	-1.3%	
56.8%	639.7	649.8	10.2	1.6%	
58.0%	558.7	632.1	73.4	13.1%	
59.3%	539.7	601.2	61.5	11.4%	
60.5%	535.9	514.0	-21.9	-4.1%	
61.7%	535.2	510.6	-24.5	-4.6%	
63.0%	511.6	495.0	-16.6	-3.2%	
64.2%	502.4	467.4	-35.1	-7.0%	
65.4%	456.9	463.7	6.7	1.5%	
66.7%	444.3	462.9	18.6	4.2%	
67.9%	404.5	435.8	31.4	7.8%	
69.1%	391.6	394.3	2.7	0.7%	
70.4%	366.7	348.9	-17.8	-4.9%	
71.6%	340.9	324.9	-16.1	-4.7%	
72.8%	331.5	324.5	-7.0	-2.1%	
74.1%	327.4	320.2	-7.2	-2.2%	
75.3%	319.2	320.1	0.9	0.3%	
76.5%	319.2	312.2	-7.0	-2.2%	
77.8%	318.9	311.9	-7.0	-2.2%	
79.0%	315.8	306.9	-8.9	-2.8%	
80.2%	309.6	308.4	-1.3	-0.4%	
81.5%	307.7	296.9	-10.7	-3.5%	
82.7%	304.0	295.9	-8.1	-2.7%	
84.0%	303.1	288.5	-14.6	-4.8%	
85.2%	301.0	287.9	-13.1	-4.4%	
86.4%	299.7	284.9	-14.8	-4.9%	
87.7%	293.6	281.5	-12.1	-4.1%	
88.9%	291.8	278.3	-13.5	-4.6%	
90.1%	291.5	273.7	-17.8	-6.1%	
91.4%	285.3	270.3	-15.0	-5.3%	
92.6%	283.8	265.3	-18.5	-6.5%	
93.8%	278.9	263.2	-15.7	-5.6%	
95.1%	275.8	263.0	-12.8	-4.6%	
96.3%	259.7	258.7	-1.0	-0.4%	
97.5%	226.5	255.1	28.6	13.1%	
98.8%	224.7	234.0	10.0	4.4%	
100.0%	210.0	220.4	10.4	5.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	2885.5	2853.8	-31.7	-1.1%	
1.2%	2799.4	2615.8	-183.5	-6.6%	
2.5%	2736.6	2515.6	-221.0	-8.1%	
3.7%	2683.9	2511.3	-172.6	-6.4%	
4.9%	2602.1	2503.1	-98.9	-3.8%	
6.2%	2562.6	2414.7	-147.9	-5.8%	
7.4%	2550.6	2387.6	-163.0	-6.4%	
8.6%	2474.2	2376.6	-97.5	-3.9%	
9.9%	2431.9	2309.5	-122.4	-5.0%	
11.1%	2407.8	2306.3	-101.4	-4.2%	
12.3%	2356.5	2212.3	-144.2	-6.1%	
13.6%	2302.4	2143.7	-158.7	-6.9%	
14.8%	2300.6	2093.1	-207.6	-9.0%	
16.0%	2295.5	2087.1	-208.3	-9.1%	
17.3%	2294.2	2068.6	-225.6	-9.8%	
18.5%	2264.7	2061.7	-203.0	-9.0%	
19.8%	2237.1	2046.8	-190.3	-8.5%	
21.0%	2210.2	2023.0	-187.2	-8.5%	
22.2%	2189.7	2000.9	-188.8	-8.6%	
23.5%	2156.2	1998.8	-157.3	-7.3%	
24.7%	2154.1	1994.3	-159.8	-7.4%	
25.9%	2152.2	1952.6	-200.0	-9.3%	
27.2%	2129.7	1974.5	-155.2	-7.3%	
28.4%	2120.4	1954.7	-165.8	-7.8%	
29.6%	2041.6	1935.2	-106.4	-5.2%	
30.9%	2029.8	1878.7	-151.1	-7.4%	
32.1%	2024.0	1873.5	-150.4	-7.4%	
33.3%	2022.6	1840.4	-182.1	-9.0%	
34.5%	2016.2	1824.4	-191.9	-9.5%	
35.8%	2000.6	1790.8	-209.8	-10.5%	
37.0%	1937.4	1736.2	-201.2	-10.4%	
38.3%	1936.4	1722.8	-213.6	-11.0%	
39.5%	1926.8	1696.3	-230.6	-12.0%	
40.7%	1910.6	1659.9	-250.7	-13.1%	
42.0%	1878.9	1658.0	-220.9	-11.8%	
43.2%	1825.5	1657.4	-168.2	-9.2%	
44.4%	1810.8	1596.9	-213.9	-11.8%	
45.7%	1757.6	1525.1	-232.5	-13.2%	
46.9%	1674.2	1522.9	-151.3	-9.0%	
48.1%	1550.0	1468.4	-81.7	-5.3%	
49.4%	1551.7	1414.7	-137.0	-8.8%	
50.6%	1322.2	1148.5	-173.7	-13.1%	
51.9%	1225.2	1133.6	-91.6	-7.5%	
53.1%	1067.3	1094.3	27.0	2.5%	
54.3%	883.0	883.0	0.0	0.0%	
55.6%	895.9	847.8	-48.1	-5.4%	
56.8%	739.5	677.2	-62.3	-8.4%	
58.0%	708.4	655.1	-53.4	-7.5%	
59.3%	672.6	648.1	-24.5	-3.6%	
60.5%	616.3	585.6	-30.7	-5.0%	
61.7%	594.8	523.4	-71.4	-12.0%	
63.0%	503.5	513.2	9.8	1.9%	
64.2%	492.2	469.5	-22.8	-4.6%	
65.4%	474.3	465.2	-9.1	-1.9%	
66.7%	411.9	457.0	45.2	11.0%	
67.9%	381.6	415.5	33.9	8.9%	
69.1%	373.1	386.7	13.6	3.7%	
70.4%	336.2	369.4	33.2	9.9%	
71.6%	335.9	366.8	31.0	9.2%	
72.8%	333.4	358.3	24.9	7.5%	
74.1%	320.0	340.1	20.1	6.3%	
75.3%	319.1	336.0	16.9	5.3%	
76.5%	308.1	326.9	21.4	7.0%	
77.8%	306.6	309.0	2.3	0.8%	
79.0%	302.1	304.5	2.4	0.8%	
80.2%	300.7	304.5	3.8	1.3%	
81.5%	295.7	301.9	6.2	2.1%	
82.7%	295.3	301.2	5.9	2.0%	
84.0%	293.3	294.8	1.6	0.5%	
85.2%	292.4	294.5	2.1	0.7%	
86.4%	289.6	282.9	-6.7	-2.3%	
87.7%	285.9	282.5	-3.4	-1.2%	
88.9%	284.3	280.6	-3.7	-1.3%	
90.1%	274.3	278.4	4.1	1.5%	
91.4%	274.0	263.8	-10.2	-3.7%	
92.6%	270.7	255.1	-15.6	-5.8%	
93.8%	243.7	235.0	-8.7	-3.6%	
95.1%	224.9	225.9	1.0	0.4%	
96.3%	257.4	216.6	-140.8	-55.1%	
97.5%	215.7	213.6	-2.1	-1.0%	
98.8%	203.4	211.8	8.4	4.1%	
100.0%	198.3	200.1	1.8	0.9%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	2944.3	2753.3	-190.9	-6.5%	
1.2%	2748.3	2646.0	-102.3	-3.7%	
2.5%	2731.6	2535.9	-195.7	-7.2%	
3.7%	2704.8	2533.4	-171.4	-6.4%	
4.9%	2698.1	2511.9	-186.1	-6.9%	
6.2%	2517.1	2502.8	-14.3	-0.6%	
7.4%	2512.0	2432.6	-79.5	-3.2%	
8.6%	2408.1	2394.7	-13.3	-0.7%	
9.9%	2363.8	2253.7	-110.1	-4.7%	
11.1%	2358.9	2229.1	-229.8	-9.7%	
12.3%	2316.2	2123.6	-192.6	-8.3%	
13.6%	2203.5	2109.3	-94.1	-4.3%	
14.8%	2188.3	2084.8	-103.5	-4.7%	
16.0%	2118.0	2084.3	-33.7	-1.6%	
17.3%	2056.8	1971.3	-85.5	-4.2%	
18.5%	2045.0	1925.2	-119.7	-5.9%	
19.8%	2035.0	1915.5	-119.5	-5.9%	
21.0%	1997.3	1913.2	-84.2	-4.2%	
22.2%	1986.9	1901.8	-85.1	-4.3%	
23.5%	1843.0	1892.1	49.1	2.7%	
24.7%	1702.2	1831.4	129.2	7.6%	
25.9%	1651.2	1811.6	160.4	9.7%	
27.2%	1620.4	1779.6	159.2	9.8%	
28.4%	1577.1	1729.3	152.3	9.7%	
29.6%	1572.6	1717.7	145.2	9.3%	
30.9%	1507.3	1664.7	157.4	10.4%	
32.1%	1441.9	1539.0	97.1	6.7%	
33.3%	1404.0	1526.1	122.1	8.7%	
34.5%	1294.7	1503.7	209.0	16.1%	
35.8%	1247.9	1486.8	238.9	19.1%	
37.0%	1207.5	1286.5	79.0	6.5%	
38.3%	1205.3	1236.1	30.8	2.6%	
39.5%	1201.2	1214.2	13.0	1.1%	
40.7%	1170.3	1188.2	17.8	1.5%	
42.0%	1170.1	1166.3	-3.8	-0.3%	
43.2%	1136.7	1114.9	-21.9	-1.9%	
44.4%	1058.8	1104.9	46.1	4.3%	
45.7%	1034.7	988.2	-46.5	-4.5%	
46.9%	851.2	856.1	4.9	0.6%	
48.1%	839.4	834.5	-5.0	-0.6%	
49.4%	828.0	826.2	-1.8	-0.2%	
50.6%	793.0	799.0	6.0	0.8%	
51.9%	788.4	753.8	-34.5	-4.4%	
53.1%	708.7	746.5	37.8	5.3%	
54.3%	755.3	746.5	-8.8	-1.2%	
55.6%	754.9	744.3	-10.6	-1.4%	
56.8%	753.3	743.9	-9.4	-1.3%	
58.0%	748.9	734.8	-14.1	-1.9%	
59.3%	728.3	724.5	-3.9	-0.5%	
60.5%	713.9	715.0	1.1	0.2%	
61.7%	675.1	701.1	26.0	3.9%	
63.0%	642.5	699.0	56.5	8.8%	
64.2%	633.4	688.4	55.0	8.7%	
65.4%	584.7	688.0	103.3	17.7%	
66.7%	574.4	679.1	104.7	18.2%	
67.9%	513.8	649.5	135.7	26.4%	
69.1%	513.6	558.6	45.0	8.8%	
70.4%	491.1	559.9	68.8	13.2%	
71.6%	445.9	494.0	48.1	10.8%	
72.8%	436.2	449.0</			



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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	776.4	99.6	12.8%	
1.2%	721.3	852.5	131.1	18.2%
2.5%	718.6	761.7	63.1	8.8%
3.7%	693.6	693.6	0.0	0.0%
4.9%	658.7	675.5	16.8	2.5%
6.2%	685.3	664.3	20.9	3.0%
7.4%	532.4	562.3	29.9	5.6%
8.6%	518.8	554.3	35.5	6.8%
9.9%	459.3	538.6	49.3	10.1%
11.1%	459.9	507.9	48.0	10.4%
12.3%	441.2	472.9	31.8	7.2%
13.6%	411.5	458.3	46.8	11.4%
14.8%	408.0	447.5	39.5	9.7%
16.0%	396.3	443.1	46.8	11.8%
17.3%	388.6	419.4	30.8	7.9%
18.5%	378.5	413.2	34.6	9.1%
19.8%	365.2	390.0	24.8	6.8%
21.0%	344.5	363.2	18.6	5.4%
22.2%	343.4	353.0	9.7	2.8%
23.5%	343.1	336.4	-6.7	-1.9%
24.7%	315.6	332.4	16.8	5.3%
25.9%	294.2	304.2	10.0	3.4%
27.2%	311.3	330.5	19.1	6.1%
28.4%	305.1	326.1	21.0	6.9%
29.6%	304.0	317.1	13.2	4.3%
30.9%	301.5	305.9	4.4	1.4%
32.1%	295.1	305.1	10.1	3.4%
33.3%	294.2	304.2	10.0	3.4%
34.5%	293.4	302.8	9.4	3.2%
35.8%	291.6	301.2	9.5	3.3%
37.0%	287.8	299.9	12.1	4.2%
38.3%	287.5	299.1	11.6	4.0%
39.5%	279.8	298.6	18.8	6.7%
40.7%	277.6	296.2	18.6	6.7%
42.0%	275.9	295.5	19.6	7.1%
43.2%	275.0	294.7	19.7	7.2%
44.4%	274.4	294.5	20.1	7.3%
45.7%	271.1	287.7	16.6	6.1%
46.9%	271.0	284.8	13.8	5.1%
48.1%	270.7	283.2	12.4	4.6%
49.4%	269.3	277.6	8.3	3.1%
50.6%	269.0	272.6	3.6	1.4%
51.9%	268.3	272.4	4.1	1.5%
53.1%	266.1	270.6	4.5	1.7%
54.3%	265.0	270.5	11.5	4.4%
55.6%	268.0	270.3	12.3	4.8%
56.8%	266.8	265.2	-8.3	-3.2%
58.0%	252.7	263.0	10.4	4.1%
59.3%	250.7	261.8	11.2	4.5%
60.5%	250.6	257.8	7.2	2.9%
61.7%	249.9	250.7	0.7	0.3%
63.0%	248.6	248.4	-0.3	-0.1%
64.2%	242.8	245.1	3.4	1.4%
65.4%	242.4	244.4	2.0	0.8%
66.7%	240.5	243.3	2.8	1.2%
67.9%	238.2	240.8	2.5	1.1%
69.1%	236.5	239.0	2.4	1.0%
70.4%	236.0	236.2	0.2	0.1%
71.6%	233.8	231.5	-2.3	-1.0%
72.8%	229.7	230.7	1.1	0.5%
74.1%	226.8	229.9	3.1	1.4%
75.3%	224.8	229.0	4.3	1.9%
76.5%	224.7	227.9	3.3	1.5%
77.8%	220.8	223.5	2.7	1.2%
79.0%	220.2	221.0	0.8	0.4%
80.2%	219.3	220.1	1.2	0.5%
81.5%	219.1	220.1	0.9	0.4%
82.7%	218.1	220.0	1.9	0.9%
84.0%	218.0	219.1	1.1	0.5%
85.2%	217.6	218.7	1.1	0.5%
86.4%	216.8	218.2	1.4	0.6%
87.7%	216.0	218.5	0.5	0.2%
88.9%	215.3	215.7	0.3	0.1%
90.1%	215.2	215.2	0.0	0.0%
91.4%	211.6	213.1	1.5	0.7%
92.6%	211.5	211.6	0.2	0.1%
93.8%	208.1	208.8	0.6	0.3%
95.1%	207.8	208.1	0.3	0.1%
96.3%	207.8	207.8	0.2	0.1%
97.5%	203.6	203.6	0.0	0.0%
98.8%	201.4	203.5	2.1	1.0%
100.0%	199.8	199.8	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	456.0	585.9	129.8	28.5%
1.2%	427.0	479.8	52.8	12.4%
2.5%	335.9	353.0	17.1	5.1%
3.7%	329.6	340.7	11.1	3.4%
4.9%	329.0	332.4	3.4	1.0%
6.2%	324.7	331.5	6.8	2.1%
7.4%	322.3	328.3	5.9	1.8%
8.6%	317.8	327.6	9.8	3.1%
9.9%	315.8	318.1	2.4	0.7%
11.1%	295.3	304.1	8.8	3.0%
12.3%	291.5	295.8	4.3	1.5%
13.6%	289.5	293.9	4.4	1.5%
14.8%	282.8	293.3	10.5	3.7%
16.0%	282.1	290.0	7.9	2.8%
17.3%	276.0	288.6	12.6	4.6%
18.5%	275.8	285.2	9.5	3.4%
19.8%	271.8	279.3	7.5	2.8%
21.0%	267.4	277.2	9.8	3.6%
22.2%	265.7	276.2	10.5	4.0%
23.5%	262.0	268.7	6.7	2.6%
24.7%	259.9	267.1	7.2	2.8%
25.9%	259.2	264.7	5.5	2.1%
27.2%	259.1	260.8	1.7	0.6%
28.4%	257.5	260.2	2.7	1.0%
29.6%	254.4	256.6	2.3	0.9%
30.9%	250.9	253.6	2.7	1.1%
32.1%	248.4	253.1	4.7	1.9%
33.3%	244.1	250.8	6.6	2.8%
34.5%	244.0	250.2	6.2	2.5%
35.8%	239.5	247.1	7.6	3.2%
37.0%	239.2	245.5	6.3	2.6%
38.3%	237.6	245.0	7.5	3.1%
39.5%	237.0	244.5	7.5	3.2%
40.7%	236.5	242.0	5.6	2.4%
42.0%	235.3	239.8	4.5	1.9%
43.2%	234.9	238.9	4.0	1.7%
44.4%	234.6	238.4	3.8	1.6%
45.7%	233.6	238.1	4.5	1.9%
46.9%	233.4	237.4	3.9	1.7%
48.1%	232.9	234.5	1.5	0.7%
49.4%	232.3	234.3	2.0	0.9%
50.6%	230.8	233.2	2.4	1.0%
51.9%	230.6	232.3	1.7	0.7%
53.1%	227.9	230.7	2.9	1.3%
54.3%	227.7	229.8	2.2	0.9%
55.6%	226.6	229.8	3.2	1.4%
56.8%	226.2	229.4	3.2	1.4%
58.0%	223.3	229.4	6.1	2.7%
59.3%	222.4	225.7	3.3	1.5%
60.5%	222.0	225.5	3.5	1.6%
61.7%	221.7	224.8	3.1	1.4%
63.0%	221.4	224.5	3.1	1.4%
64.2%	220.9	223.3	2.4	1.1%
65.4%	220.3	222.1	1.8	0.8%
66.7%	219.9	220.7	0.9	0.4%
67.9%	219.6	220.5	0.9	0.4%
69.1%	217.7	220.1	2.4	1.1%
70.4%	217.4	220.0	2.6	1.2%
71.6%	215.6	219.2	3.6	1.7%
72.8%	215.3	218.3	3.0	1.4%
74.1%	214.2	217.9	3.6	1.7%
75.3%	212.9	215.2	2.4	1.1%
76.5%	211.2	214.9	3.7	1.7%
77.8%	210.8	214.4	3.7	1.7%
79.0%	210.5	212.9	2.4	1.1%
80.2%	210.1	212.4	2.4	1.1%
81.5%	209.7	210.9	1.2	0.6%
82.7%	208.1	209.9	1.8	0.9%
84.0%	205.0	208.2	3.1	1.5%
85.2%	205.0	206.9	1.9	0.9%
86.4%	203.9	206.2	2.4	1.2%
87.7%	203.6	205.3	1.7	0.8%
88.9%	203.5	205.1	1.6	0.8%
90.1%	202.6	204.7	2.0	1.0%
91.4%	201.1	203.7	2.6	1.3%
92.6%	199.8	201.2	1.4	0.7%
93.8%	199.4	199.8	0.4	0.2%
95.1%	198.9	199.5	0.6	0.3%
96.3%	197.3	197.3	0.0	0.0%
97.5%	196.9	196.9	0.0	0.0%
98.8%	196.8	196.8	0.0	0.0%
100.0%	195.7	195.9	-0.4	-0.2%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	462.6	508.4	45.8	9.9%
1.2%	406.8	390.8	-16.0	-3.9%
2.5%	386.1	389.4	3.3	0.9%
3.7%	361.1	361.6	0.5	0.1%
4.9%	322.5	314.7	-7.8	-2.4%
6.2%	316.4	313.1	-3.3	-1.1%
7.4%	314.0	300.5	-13.6	-4.3%
8.6%	306.8	291.9	-14.9	-4.9%
9.9%	287.3	286.3	-1.0	-0.4%
11.1%	283.2	283.9	0.7	0.2%
12.3%	274.2	275.6	1.4	0.5%
13.6%	272.2	274.7	2.6	0.9%
14.8%	271.7	274.1	2.4	0.9%
16.0%	268.0	273.5	5.5	2.0%
17.3%	265.6	267.7	2.0	0.8%
18.5%	252.2	266.6	4.4	1.7%
19.8%	261.9	263.2	1.3	0.5%
21.0%	260.2	262.1	1.9	0.7%
22.2%	259.5	261.9	2.4	0.9%
23.5%	258.0	261.8	3.7	1.4%
24.7%	258.0	261.5	3.5	1.4%
25.9%	257.5	261.2	3.8	1.5%
27.2%	257.1	257.6	0.4	0.2%
28.4%	254.7	257.0	2.3	0.9%
29.6%	251.2	254.7	3.4	1.4%
30.9%	250.7	253.2	2.5	1.0%
32.1%	250.7	252.6	1.9	0.8%
33.3%	246.7	251.1	4.4	1.8%
34.5%	246.4	250.1	3.8	1.5%
35.8%	244.8	249.5	4.8	1.9%
37.0%	243.7	248.8	5.1	2.1%
38.3%	243.1	246.8	3.7	1.5%
39.5%	242.3	246.8	4.4	1.8%
40.7%	242.0	246.6	4.6	1.9%
42.0%	241.9	243.2	1.3	0.5%
43.2%	240.6	242.2	1.6	0.7%
44.4%	240.4	242.1	1.7	0.7%
45.7%	239.4	240.8	1.5	0.6%
46.9%	239.2	240.4	1.2	0.5%
48.1%	238.1	239.2	1.1	0.5%
49.4%	236.4	238.7	2.3	1.0%
50.6%	235.5	237.6	2.1	0.9%
51.9%	234.4	237.4	3.0	1.3%
53.1%	233.5	235.5	2.1	0.9%
54.3%	233.2	235.5	2.2	1.0%
55.6%	233.0	235.0	2.0	0.9%
56.8%	232.6	233.7	1.2	0.5%
58.0%	232.5	233.3	0.8	0.4%
59.3%	232.2	233.1	0.9	0.4%
60.5%	232.1	232.8	0.7	0.3%
61.7%	229.8	232.5	2.7	1.2%
63.0%	229.7	230.8	1.0	0.5%
64.2%	229.5	229.8	0.3	0.1%
65.4%	228.6	229.6	1.0	0.4%
66.7%	228.6	228.7	0.1	0.0%
67.9%	228.5	228.6	0.1	0.0%
69.1%	227.3	228.6	1.3	0.6%
70.4%	225.9	227.3	1.4	0.6%
71.6%	224.8	225.9	1.2	0.5%
72.8%	224.5	224.3	-0.2	-0.1%
74.1%	223.1	223.3	0.2	0.1%
75.3%	222.2	223.2	1.0	0.5%
76.5%	222.1	223.1	1.0	0.5%
77.8%	221.9	222.7	0.8	0.4%
79.0%	220.9	222.4	1.5	0.7%
80.2%	219.5	222.4	2.8	1.3%
81.5%	219.4	220.5	1.0	0.5%
82.7%	219.4	220.5	1.1	0.5%
84.0%	218.0	219.8	1.8	0.8%
85.2%	217.6	219.5	1.9	0.9%
86.4%	216.2	218.0		

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

Percent Exceedance Probability (%)	June			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	1397.4	1410.6	13.2	0.9%
1.2%	1294.8	1163.3	-131.5	-10.2%
2.5%	1140.4	1140.0	-0.5	-0.1%
3.7%	1028.5	1052.8	24.3	2.4%
4.9%	956.8	951.4	-5.4	-0.6%
6.2%	856.1	810.6	-45.6	-5.3%
7.4%	705.8	669.3	-36.6	-5.2%
8.6%	603.7	596.1	-7.6	-1.3%
9.9%	518.5	540.0	21.5	4.1%
11.1%	482.8	486.0	3.1	0.6%
12.3%	468.8	483.7	15.0	3.2%
13.6%	457.6	460.8	3.2	0.7%
14.8%	449.2	442.5	-6.7	-1.5%
16.0%	442.7	423.2	-19.5	-4.4%
17.3%	440.7	421.4	-19.3	-4.4%
18.5%	428.0	417.9	-10.1	-2.4%
19.8%	422.7	416.3	-6.4	-1.5%
21.0%	415.8	413.5	-2.3	-0.5%
22.2%	415.0	412.6	-2.4	-0.6%
23.5%	412.2	411.8	-0.5	-0.1%
24.7%	407.5	405.4	-2.1	-0.5%
25.9%	404.3	351.4	-52.9	-13.1%
27.2%	397.3	393.8	-3.5	-0.9%
28.4%	391.5	392.5	1.0	0.3%
29.6%	387.7	390.7	3.0	0.8%
30.9%	384.2	384.0	0.0	0.0%
32.1%	381.3	378.0	-3.3	-0.9%
33.3%	376.2	351.4	-24.9	-6.6%
34.5%	365.8	350.2	-15.6	-4.3%
35.8%	352.2	360.0	7.8	2.2%
37.0%	341.7	341.4	-0.4	-0.1%
38.3%	341.5	340.5	-1.0	-0.3%
39.5%	333.3	333.2	-0.1	0.0%
40.7%	333.2	330.2	-3.0	-0.9%
42.0%	328.6	328.6	0.0	0.0%
43.2%	323.8	323.5	-0.3	-0.1%
44.4%	322.6	321.9	-0.7	-0.2%
45.7%	319.3	318.7	-0.6	-0.2%
46.9%	316.0	312.2	-3.8	-1.2%
48.1%	306.3	304.4	-1.9	-0.6%
49.4%	300.8	300.2	-0.6	-0.2%
50.6%	300.3	300.1	-0.3	-0.1%
51.9%	299.9	290.6	-9.3	-3.1%
53.1%	293.8	286.4	-7.4	-2.5%
54.3%	285.3	286.1	0.8	0.3%
55.6%	283.6	271.8	-11.9	-4.2%
56.8%	280.8	258.3	-22.5	-8.0%
58.0%	264.5	253.8	-10.7	-4.0%
59.3%	258.4	251.6	-6.8	-2.6%
60.5%	257.0	250.9	-6.1	-2.4%
61.7%	253.3	250.5	-2.8	-1.1%
63.0%	250.3	243.9	-6.4	-2.6%
64.2%	246.8	234.7	-12.0	-4.9%
65.4%	243.5	234.3	-9.1	-3.8%
66.7%	239.2	232.7	-6.4	-2.7%
67.9%	235.6	232.7	-3.0	-1.3%
69.1%	229.4	227.7	-1.7	-0.7%
70.4%	226.9	225.4	-1.5	-0.7%
71.6%	225.2	225.3	0.1	0.0%
72.8%	224.1	223.0	-1.1	-0.5%
74.1%	221.4	221.0	-0.3	-0.1%
75.3%	216.3	214.6	-1.7	-0.8%
76.5%	214.4	214.2	-0.2	-0.1%
77.8%	214.2	214.0	-0.2	-0.1%
79.0%	213.9	213.9	0.0	0.0%
80.2%	210.5	210.5	0.0	0.0%
81.5%	210.3	209.8	-0.6	-0.3%
82.7%	208.8	209.1	0.2	0.1%
84.0%	207.6	206.9	-0.7	-0.4%
85.2%	207.0	206.4	-0.6	-0.3%
86.4%	206.2	206.2	0.0	0.0%
87.7%	205.4	204.4	-1.0	-0.5%
88.9%	204.3	204.7	0.4	0.2%
90.1%	204.2	204.3	0.1	0.0%
91.4%	201.9	201.6	-0.3	-0.2%
92.6%	201.0	200.8	-0.2	-0.1%
93.8%	198.5	199.3	0.8	0.4%
95.1%	198.0	197.8	-0.2	-0.1%
96.3%	197.5	197.5	0.0	0.0%
97.5%	195.0	195.0	0.0	0.0%
98.8%	194.8	194.9	0.1	0.0%
100.0%	186.7	186.5	-0.2	-0.1%

Percent Exceedance Probability (%)	July			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	2371.1	2380.7	9.6	0.4%
1.2%	2312.1	2352.2	40.1	1.7%
2.5%	2019.4	1899.2	-120.2	-6.0%
3.7%	1854.6	1887.1	32.5	1.8%
4.9%	1672.2	1666.1	-6.1	-0.4%
6.2%	1632.9	1637.7	4.8	0.3%
7.4%	1552.5	1547.5	-4.8	-0.3%
8.6%	1545.4	1475.8	-69.9	-4.5%
9.9%	1472.0	1455.1	-16.9	-1.1%
11.1%	1460.3	1437.4	-22.9	-1.6%
12.3%	1430.7	1422.3	-8.4	-0.6%
13.6%	1394.9	1385.1	-9.8	-0.7%
14.8%	1366.0	1338.9	-27.1	-2.0%
16.0%	1318.2	1274.5	-43.6	-3.3%
17.3%	1302.6	1263.4	-39.2	-3.0%
18.5%	1259.5	1253.5	-6.0	-0.5%
19.8%	1232.9	1253.0	20.1	1.6%
21.0%	1221.2	1243.3	22.1	1.8%
22.2%	1215.8	1224.9	9.1	0.7%
23.5%	1183.5	1192.3	8.8	0.7%
24.7%	1151.8	1176.5	24.7	2.1%
25.9%	1126.3	1126.4	0.1	0.0%
27.2%	1119.8	1093.0	-26.9	-2.4%
28.4%	1072.6	1067.7	-4.9	-0.5%
29.6%	959.3	981.3	22.0	2.3%
30.9%	914.8	947.8	33.0	3.6%
32.1%	905.0	930.9	26.0	2.9%
33.3%	889.3	927.8	38.5	4.3%
34.5%	898.4	899.6	11.2	1.3%
35.8%	852.8	888.4	35.6	4.2%
37.0%	845.8	859.3	13.5	1.6%
38.3%	831.9	851.7	19.8	2.4%
39.5%	816.3	831.7	15.4	1.9%
40.7%	804.1	822.4	18.3	2.3%
42.0%	794.6	779.2	-15.4	-1.9%
43.2%	785.1	777.4	-7.7	-1.0%
44.4%	779.9	771.8	-8.1	-1.0%
45.7%	768.9	708.8	-60.1	-7.8%
46.9%	762.8	702.4	-60.5	-7.9%
48.1%	700.4	686.1	-14.3	-2.0%
49.4%	671.5	655.9	-15.7	-2.3%
50.6%	561.4	645.0	83.5	14.9%
51.9%	554.4	558.2	3.9	0.7%
53.1%	550.3	549.6	-0.7	-0.1%
54.3%	546.6	539.8	-6.7	-1.2%
55.6%	539.8	536.9	-2.9	-0.5%
56.8%	533.4	533.5	0.1	0.0%
58.0%	532.5	529.5	-3.0	-0.6%
59.3%	520.0	520.8	0.8	0.2%
60.5%	518.8	519.4	0.6	0.1%
61.7%	508.4	505.9	-2.6	-0.5%
63.0%	504.9	503.2	-1.7	-0.3%
64.2%	501.7	489.9	-11.8	-2.4%
65.4%	490.4	484.6	-5.8	-1.2%
66.7%	488.6	484.2	-4.4	-0.9%
67.9%	481.2	480.2	-1.0	-0.2%
69.1%	475.3	466.0	-9.3	-2.0%
70.4%	462.2	459.9	-2.3	-0.5%
71.6%	433.0	429.5	-3.5	-0.8%
72.8%	417.2	413.3	-3.9	-0.9%
74.1%	410.3	406.3	-3.9	-1.0%
75.3%	407.3	405.2	-2.1	-0.5%
76.5%	403.6	401.4	-2.3	-0.6%
77.8%	403.6	392.4	-11.2	-2.8%
79.0%	343.5	340.1	-3.5	-1.0%
80.2%	340.3	334.8	-5.5	-1.6%
81.5%	311.5	324.4	12.9	4.1%
82.7%	311.5	312.0	0.5	0.2%
84.0%	302.3	301.8	-0.5	-0.2%
85.2%	298.9	297.5	-1.4	-0.5%
86.4%	268.2	268.2	0.0	0.0%
87.7%	259.5	259.5	0.0	0.0%
88.9%	251.3	251.8	0.5	0.2%
90.1%	249.8	247.3	-2.5	-1.0%
91.4%	246.4	246.4	0.0	0.0%
92.6%	240.8	240.8	0.0	0.0%
93.8%	232.9	232.3	-0.6	-0.2%
95.1%	223.3	222.8	-0.5	-0.2%
96.3%	221.1	221.9	0.8	0.4%
97.5%	218.7	219.0	0.3	0.1%
98.8%	215.8	215.9	0.1	0.0%
100.0%	208.7	208.6	-0.1	-0.1%

Percent Exceedance Probability (%)	August			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	2254.3	2272.7	18.4	0.8%
1.2%	2140.0	2271.6	131.6	6.1%
2.5%	1912.9	2227.0	314.1	16.4%
3.7%	1861.2	2084.5	223.3	12.0%
4.9%	1895.8	1962.0	66.2	3.5%
6.2%	1862.1	1957.8	95.7	5.1%
7.4%	1815.5	1913.5	98.0	5.4%
8.6%	1810.9	1885.4	74.6	4.1%
9.9%	1790.5	1873.0	82.5	4.6%
11.1%	1779.6	1839.8	60.2	3.4%
12.3%	1748.2	1837.3	89.1	5.1%
13.6%	1738.2	1796.5	58.3	3.3%
14.8%	1699.5	1779.8	80.3	4.7%
16.0%	1697.7	1774.1	76.4	4.5%
17.3%	1695.5	1746.3	50.8	3.0%
18.5%	1690.2	1729.4	39.3	2.3%
19.8%	1663.2	1702.9	39.7	2.4%
21.0%	1606.1	1677.3	71.2	4.4%
22.2%	1606.1	1673.6	67.5	4.2%
23.5%	1603.2	1645.8	42.6	2.7%
24.7%	1574.0	1642.4	68.4	4.3%
25.9%	1545.6	1627.6	82.0	5.3%
27.2%	1538.6	1603.7	65.1	4.2%
28.4%	1498.4	1601.2	102.8	6.9%
29.6%	1496.4	1552.7	56.3	3.8%
30.9%	1492.1	1551.2	59.1	4.0%
32.1%	1489.5	1539.2	49.6	3.3%
33.3%	1478.8	1534.1	55.3	3.7%
34.5%	1476.8	1526.8	50.0	3.4%
35.8%	1471.0	1512.7	41.8	2.8%
37.0%	1470.2	1512.5	42.3	2.9%
38.3%	1457.9	1487.8	29.9	2.1%
39.5%	1444.6	1473.1	28.5	2.0%
40.7%	1431.3	1472.9	41.6	2.9%
42.0%	1406.8	1472.5	65.8	4.7%
43.2%	1406.0	1448.4	42.4	3.0%
44.4%	1384.7	1446.2	61.5	4.4%
45.7%	1379.8	1445.0	65.2	4.7%
46.9%	1376.5	1419.8	43.3	3.1%
48.1%	1333.0	1405.1	72.2	5.4%
49.4%	1305.4	1371.6	66.2	5.0%
50.6%	1301.6	1367.6	66.0	5.1%
51.9%	1295.2	1363.8	68.6	5.3%
53.1%	1285.5	1344.4	58.9	4.6%
54.3%	1273.5	1317.5	44.0	3.5%
55.6%	1229.7	1315.3	85.6	7.0%
56.8%	1221.3	1314.1	92.8	7.6%
58.0%	1210.2	1274.3	64.2	5.3%
59.3%	1205.5	1255.4	49.9	3.9%
60.5%	1201.5	1235.9	34.5	2.9%
61.7%	1180.9	1231.8	50.9	4.3%
63.0%	1171.3	1225.7	54.4	4.6%
64.2%	1160.4	1210.7	50.4	4.3%
65.4%	1156.4	1203.5	47.1	4.1%
66.7%	1153.8	1178.2	24.4	2.1%
67.9%	1152.0	1150.8	-1.2	-0.1%
69.1%	1151.6	1135.6	-16.0	-1.4%
70.4%	1147.6	1126.5	-21.1	-1.8%
71.6%	1146.1	1124.3	-21.8	-1.9%
72.8%	1135.8	1123.7	-12.1	-1.1%
74.1%	1121.0	1121.0	-12.9	-1.1%
75.3%	1129.8	1108.4	-21.4	-1.9%
76.5%	1129.6	1104.8	-24.8	-2.2%
77.8%	1128.3	1090.7	-37.6	-3.3%
79.0%	1124.0	1066.6	-57.4	-5.1%
80.2%	1122.3			

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
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	556.1	533.3	542.8	515.0	365.0	295.8	328.4	326.5	270.6	331.0	473.8	613.7
DCR 2015 With Project	539.8	496.9	536.7	522.2	368.0	297.5	330.5	327.2	270.9	330.6	481.1	624.8
Difference	-16.3	-36.4	-6.1	7.1	3.0	1.7	2.1	0.7	0.2	-0.3	7.3	11.1
Percent Difference <sup>2</sup>	-2.9%	-6.8%	-1.1%	1.4%	0.8%	0.6%	0.6%	0.2%	0.1%	-0.1%	1.5%	1.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	248.8	233.7	266.4	348.0	333.3	280.9	284.9	287.5	244.5	236.7	338.0	475.8
DCR 2015 With Project	243.3	231.8	270.3	360.1	338.4	280.3	285.1	287.2	244.3	236.1	335.6	459.0
Difference	-5.5	-1.8	3.9	12.1	5.1	-0.6	0.2	-0.3	-0.3	-0.6	-2.5	-16.8
Percent Difference	-2.2%	-0.8%	1.5%	3.5%	1.5%	-0.2%	0.1%	-0.1%	-0.1%	-0.3%	-0.7%	-3.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	271.5	348.3	415.2	484.3	356.9	283.5	337.1	348.3	254.4	248.4	377.9	460.1
DCR 2015 With Project	268.4	351.0	417.5	531.3	361.8	284.4	338.3	349.0	254.1	248.2	369.1	442.8
Difference	-3.1	2.6	2.3	47.1	4.9	0.9	1.1	0.7	-0.3	-0.2	-8.8	-17.3
Percent Difference	-1.1%	0.8%	0.6%	9.7%	1.4%	0.3%	0.3%	0.2%	-0.1%	-0.1%	-2.3%	-3.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	817.5	758.9	671.1	585.3	360.5	288.7	348.3	353.8	255.6	311.1	501.4	788.3
DCR 2015 With Project	747.4	656.6	623.5	590.3	358.5	286.5	349.4	354.4	257.9	309.5	500.6	762.0
Difference	-70.1	-102.4	-47.6	5.0	-2.0	-2.2	1.1	0.6	2.4	-1.6	-0.8	-26.2
Percent Difference	-8.6%	-13.5%	-7.1%	0.8%	-0.5%	-0.8%	0.3%	0.2%	0.9%	-0.5%	-0.2%	-3.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	803.5	709.5	679.7	569.0	364.0	300.6	369.4	348.9	271.7	419.8	606.5	727.2
DCR 2015 With Project	785.1	702.4	728.8	575.8	371.3	304.5	372.9	348.9	271.3	431.9	640.6	769.9
Difference	-18.4	-7.0	49.1	6.8	7.4	3.9	3.4	0.0	-0.3	12.1	34.0	42.8
Percent Difference	-2.3%	-1.0%	7.2%	1.2%	2.0%	1.3%	0.9%	0.0%	-0.1%	2.9%	5.6%	5.9%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	830.5	840.1	914.5	744.6	448.4	341.6	329.1	324.0	359.4	507.6	632.6	692.2
DCR 2015 With Project	843.4	722.4	843.9	704.2	444.1	350.4	335.6	328.2	359.7	490.6	646.3	788.1
Difference	12.8	-117.7	-70.6	-40.5	-4.3	8.8	6.5	4.2	0.3	-17.0	13.7	95.9
Percent Difference	1.5%	-14.0%	-7.7%	-5.4%	-1.0%	2.6%	2.0%	1.3%	0.1%	-3.3%	2.2%	13.9%

1 Based on the 82-year simulation period  
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)  
3 Relative difference of the monthly average

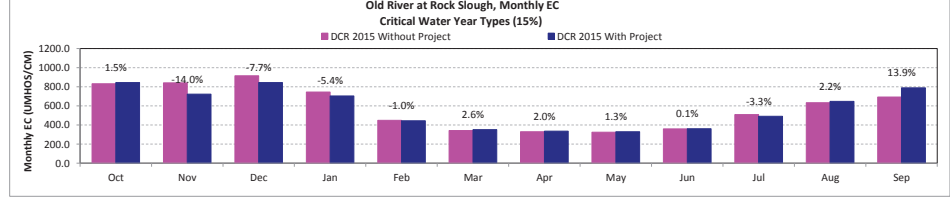
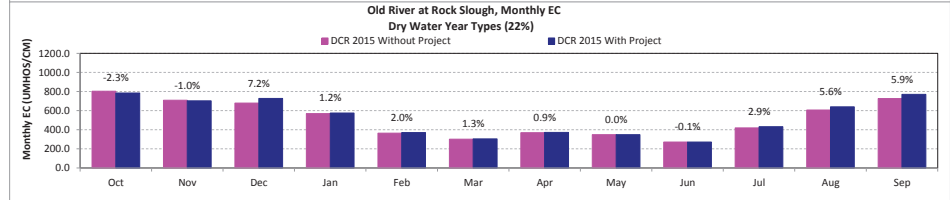
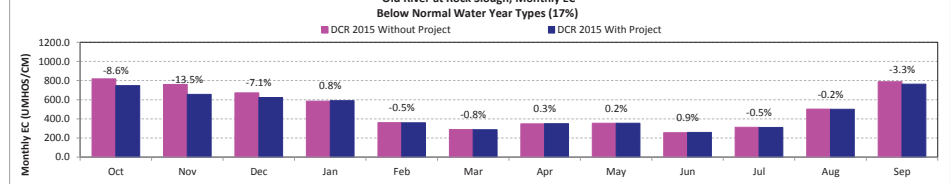
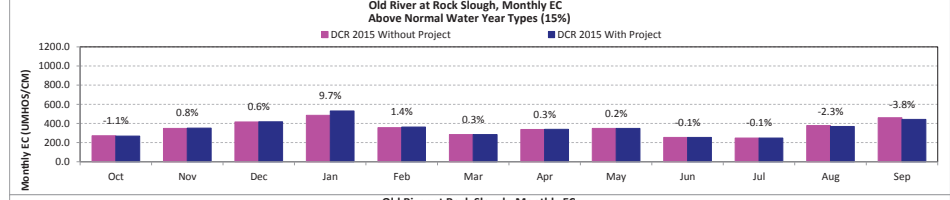
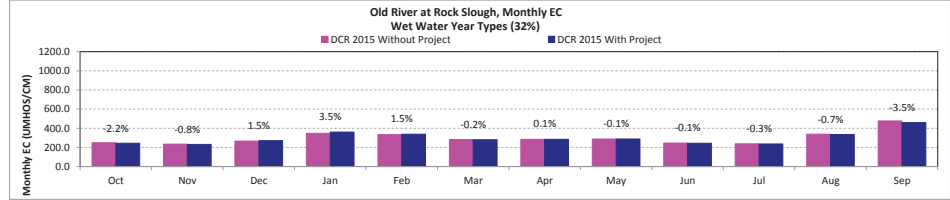
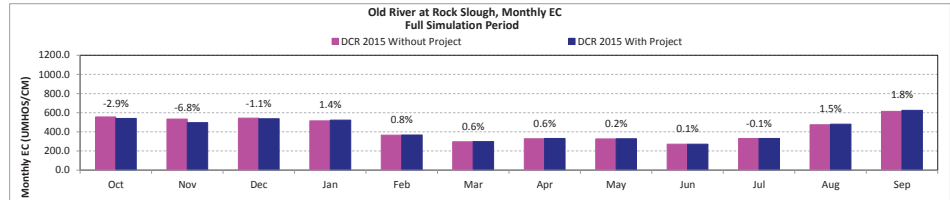


Figure SQ-27-b  
Old River at Rock Slough, Monthly EC  
Probability of Exceedance

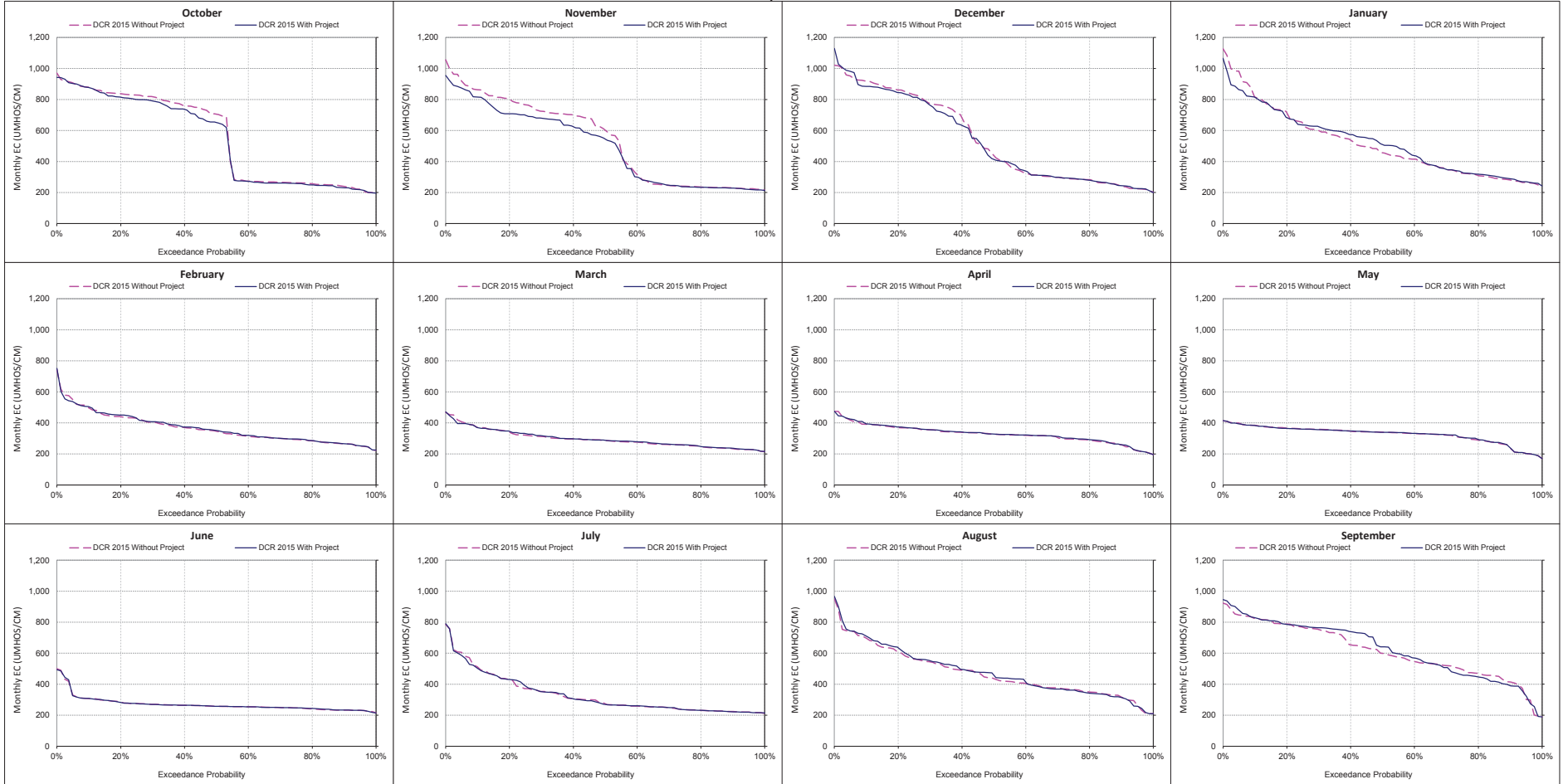


Table SQ-27-b  
Old River at Rock Slough, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	970.2	942.9	-27.3	-2.8%	
1.2%	929.4	940.1	10.7	1.1%	
2.5%	920.8	940.1	19.3	2.1%	
3.7%	914.4	908.6	-5.7	-0.7%	
4.9%	907.7	903.0	-4.7	-0.5%	
6.2%	894.3	900.2	5.9	0.7%	
7.4%	885.5	890.0	4.5	0.5%	
8.6%	882.1	881.4	-0.7	-0.1%	
9.9%	879.5	878.7	-0.8	-0.2%	
11.1%	870.3	869.9	-0.4	0.0%	
12.3%	859.8	859.1	-0.7	-0.1%	
13.6%	858.8	845.6	-13.2	-1.5%	
14.8%	845.6	842.1	-3.5	-0.4%	
16.0%	843.6	822.8	-20.8	-2.5%	
17.3%	841.4	822.2	-19.2	-2.3%	
18.5%	839.7	818.2	-21.5	-2.6%	
19.8%	838.0	815.5	-22.5	-2.7%	
21.0%	834.2	810.8	-23.4	-2.8%	
22.2%	832.0	808.5	-23.5	-2.8%	
23.5%	829.5	805.4	-24.0	-2.9%	
24.7%	829.1	801.0	-28.1	-3.4%	
25.9%	794.0	769.5	-24.5	-3.1%	
27.2%	820.9	798.4	-22.5	-2.7%	
28.4%	819.3	797.7	-21.6	-2.6%	
29.6%	819.1	791.8	-27.3	-3.3%	
30.9%	814.3	786.5	-27.8	-3.4%	
32.1%	805.9	781.6	-24.4	-3.0%	
33.3%	794.0	769.5	-24.5	-3.1%	
34.5%	791.0	757.7	-33.3	-4.2%	
35.8%	782.0	740.2	-41.8	-5.3%	
37.0%	777.2	740.1	-37.1	-4.8%	
38.3%	773.9	739.3	-34.5	-4.5%	
39.5%	761.9	738.1	-23.9	-3.1%	
40.7%	758.0	732.5	-25.5	-3.4%	
42.0%	756.9	710.2	-46.6	-6.2%	
43.2%	749.8	705.5	-44.3	-5.9%	
44.4%	749.4	680.1	-69.3	-9.2%	
45.7%	737.2	675.8	-61.4	-8.3%	
46.9%	730.0	660.2	-69.8	-9.6%	
48.1%	708.1	655.4	-52.7	-7.4%	
49.4%	707.3	654.9	-52.5	-7.4%	
50.6%	702.7	648.9	-53.7	-7.6%	
51.9%	692.9	639.6	-53.3	-7.7%	
53.1%	688.9	618.4	-70.5	-10.2%	
54.3%	401.6	407.3	5.7	1.4%	
55.6%	282.0	278.6	-3.5	-1.2%	
56.8%	280.1	275.6	-4.5	-1.6%	
58.0%	279.8	274.9	-4.8	-1.7%	
59.3%	273.7	272.8	-0.9	-0.3%	
60.5%	273.6	270.8	-2.8	-1.0%	
61.7%	271.5	266.3	-5.2	-1.9%	
63.0%	271.4	266.1	-5.3	-1.9%	
64.2%	269.8	262.8	-7.0	-2.6%	
65.4%	269.0	261.8	-7.1	-2.6%	
66.7%	268.5	261.4	-7.1	-2.7%	
67.9%	268.2	261.0	-7.2	-2.7%	
69.1%	266.5	260.9	-5.7	-2.1%	
70.4%	266.0	260.9	-5.2	-1.9%	
71.6%	264.9	260.4	-4.5	-1.7%	
72.8%	264.1	259.4	-4.7	-1.8%	
74.1%	262.9	259.4	-3.6	-1.4%	
75.3%	262.5	258.0	-4.5	-1.7%	
76.5%	261.5	256.9	-4.6	-1.7%	
77.8%	261.1	252.0	-9.0	-3.5%	
79.0%	258.2	249.2	-9.0	-3.5%	
80.2%	256.0	243.4	-12.6	-4.9%	
81.5%	252.2	246.3	-5.9	-2.4%	
82.7%	252.0	245.6	-6.4	-2.6%	
84.0%	250.5	245.5	-5.1	-2.0%	
85.2%	249.5	244.8	-4.7	-1.9%	
86.4%	249.2	243.6	-5.6	-2.3%	
87.7%	247.5	233.4	-14.1	-5.7%	
88.9%	243.0	232.1	-10.8	-4.5%	
90.1%	239.0	231.1	-7.9	-3.3%	
91.4%	234.1	230.1	-4.0	-1.7%	
92.6%	231.6	221.1	-10.5	-4.5%	
93.8%	222.3	220.5	-1.7	-0.8%	
95.1%	221.5	218.0	-3.5	-1.6%	
96.3%	217.5	215.5	-2.0	-0.9%	
97.5%	199.7	201.4	1.7	0.9%	
98.8%	199.3	198.6	-0.7	-0.4%	
100.0%	196.7	195.4	-1.2	-0.6%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	1055.9	955.1	-100.9	-9.6%	
1.2%	998.5	921.3	-77.2	-7.7%	
2.5%	962.8	880.8	-82.0	-8.5%	
3.7%	962.2	884.6	-77.6	-8.1%	
4.9%	919.5	873.6	-46.0	-5.0%	
6.2%	892.0	861.9	-30.1	-3.4%	
7.4%	885.5	853.7	-31.8	-3.6%	
8.6%	867.1	816.9	-50.1	-5.8%	
9.9%	863.2	815.2	-48.0	-5.6%	
11.1%	861.7	813.7	-48.1	-5.6%	
12.3%	841.6	796.3	-45.3	-5.4%	
13.6%	824.8	772.6	-52.2	-6.3%	
14.8%	824.0	750.9	-73.1	-8.9%	
16.0%	814.4	730.0	-84.4	-10.4%	
17.3%	813.7	714.0	-99.7	-12.3%	
18.5%	807.9	708.0	-99.9	-12.3%	
19.8%	806.9	707.7	-99.3	-12.3%	
21.0%	807.5	707.3	-80.2	-10.2%	
22.2%	779.3	705.9	-73.3	-9.4%	
23.5%	776.7	701.7	-74.9	-9.6%	
24.7%	766.4	701.5	-64.9	-8.5%	
25.9%	759.0	685.2	-73.8	-9.7%	
27.2%	751.2	689.9	-61.3	-8.2%	
28.4%	732.8	680.8	-52.0	-7.1%	
29.6%	725.0	680.6	-44.4	-6.1%	
30.9%	722.8	676.4	-46.5	-6.4%	
32.1%	714.4	673.1	-41.3	-5.8%	
33.3%	712.3	672.4	-39.9	-5.6%	
34.5%	709.7	669.5	-40.2	-5.7%	
35.8%	708.8	667.7	-41.1	-5.8%	
37.0%	707.1	633.9	-73.1	-10.3%	
38.3%	703.0	633.8	-69.2	-9.8%	
39.5%	702.2	629.2	-72.9	-10.4%	
40.7%	694.2	616.7	-77.5	-11.2%	
42.0%	691.6	616.3	-75.3	-10.9%	
43.2%	684.0	590.3	-93.8	-13.7%	
44.4%	679.4	586.1	-93.2	-13.7%	
45.7%	675.9	572.8	-103.1	-15.3%	
46.9%	629.9	569.2	-60.7	-9.6%	
48.1%	626.5	562.5	-64.0	-10.2%	
49.4%	612.2	552.3	-59.9	-9.8%	
50.6%	591.4	537.6	-53.8	-9.1%	
51.9%	570.7	530.1	-40.6	-7.1%	
53.1%	566.7	518.0	-48.7	-8.6%	
54.3%	531.5	473.4	-58.1	-10.9%	
55.6%	410.0	419.2	9.2	2.2%	
56.8%	396.8	355.3	-41.5	-10.5%	
58.0%	363.4	353.3	-10.1	-2.8%	
59.3%	331.6	303.0	-28.6	-8.6%	
60.5%	305.5	296.5	-9.0	-2.9%	
61.7%	281.3	286.8	5.5	1.9%	
63.0%	276.2	276.1	-0.2	-0.1%	
64.2%	255.8	271.7	15.9	6.2%	
65.4%	253.9	264.6	10.7	4.2%	
66.7%	252.7	262.0	9.3	3.7%	
67.9%	250.1	255.3	5.2	2.1%	
69.1%	247.2	248.4	1.3	0.5%	
70.4%	245.1	246.4	1.3	0.5%	
71.6%	242.8	245.2	2.5	1.0%	
72.8%	242.0	244.6	2.6	1.1%	
74.1%	241.0	237.0	-4.0	-1.7%	
75.3%	240.0	236.5	-3.5	-1.5%	
76.5%	238.7	235.3	-3.3	-1.4%	
77.8%	238.1	235.3	-2.8	-1.2%	
79.0%	236.9	233.9	-3.0	-1.3%	
80.2%	235.2	233.2	-2.0	-0.8%	
81.5%	233.8	232.9	-0.9	-0.4%	
82.7%	233.3	232.5	-0.8	-0.3%	
84.0%	232.5	230.9	-1.6	-0.7%	
85.2%	231.7	230.5	-1.2	-0.5%	
86.4%	231.7	229.2	-2.5	-1.1%	
87.7%	231.5	229.5	-2.0	-0.9%	
88.9%	230.8	224.4	-6.4	-2.8%	
90.1%	229.6	229.3	-0.3	-0.1%	
91.4%	226.8	226.2	-0.6	-0.3%	
92.6%	226.4	225.1	-1.3	-0.6%	
93.8%	224.9	220.8	-4.1	-1.8%	
95.1%	224.7	220.9	-3.9	-1.7%	
96.3%	212.5	212.2	-0.3	-0.1%	
97.5%	220.8	217.4	-3.4	-1.5%	
98.8%	220.7	216.0	-4.7	-2.1%	
100.0%	215.0	215.4	0.4	0.2%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	1021.4	1128.6	107.3	10.5%	
1.2%	1017.0	1029.0	12.0	1.2%	
2.5%	1003.4	1006.5	3.0	0.3%	
3.7%	988.8	988.2	-0.6	-0.1%	
4.9%	951.9	982.6	30.7	3.2%	
6.2%	934.6	974.3	39.7	4.2%	
7.4%	925.2	896.9	-28.2	-3.1%	
8.6%	923.9	885.4	-38.5	-4.2%	
9.9%	918.0	884.5	-33.4	-3.6%	
11.1%	916.6	894.3	-22.3	-2.5%	
12.3%	905.5	880.2	-25.3	-2.8%	
13.6%	897.8	879.5	-18.3	-2.0%	
14.8%	894.2	872.4	-21.8	-2.4%	
16.0%	876.4	865.6	-10.8	-1.2%	
17.3%	875.1	861.5	-13.6	-1.6%	
18.5%	870.8	854.9	-15.9	-1.8%	
19.8%	861.5	845.3	-16.3	-1.9%	
21.0%	861.0	843.3	-17.7	-2.1%	
22.2%	850.6	834.5	-16.1	-1.9%	
23.5%	840.6	828.0	-12.6	-1.5%	
24.7%	832.1	814.4	-17.7	-2.1%	
25.9%	827.0	806.3	-20.7	-2.5%	
27.2%	811.4	797.3	-14.1	-1.7%	
28.4%	792.8	790.3	-2.6	-0.3%	
29.6%	776.2	767.2	-9.1	-1.2%	
30.9%	769.9	750.4	-19.5	-2.5%	
32.1%	765.8	724.8	-41.1	-5.4%	
33.3%	764.2	720.8	-43.3	-5.7%	
34.5%	756.4	710.1	-46.4	-6.1%	
35.8%	747.8	692.7	-55.1	-7.4%	
37.0%	735.3	690.4	-44.8	-6.1%	
38.3%	712.6	644.3	-68.3	-9.6%	
39.5%	702.3	637.1	-65.3	-9.3%	
40.7%	651.7	626.3	-25.4	-3.9%	
42.0%	636.7	615.3	-21.4	-3.4%	
43.2%	570.0	549.4	-20.6	-3.6%	
44.4%	520.1	548.6	28.5	5.5%	
45.7%	513.7	519.6	5.9	1.1%	
46.9%	485.7	483.6	-2.1	-0.4%	
48.1%	481.8	441.6	-40.2	-8.4%	
49.4%	452.4	418.9	-33.5	-7.4%	
50.6%	423.5	408.1	-15.4	-3.6%	
51.9%	408.4	403.6	-4.8	-1.2%	
53.1%	407.3	400.4	-6.9	-1.7%	
54.3%	383.3	397.7	14.5	3.8%	
55.6%	359.6	365.5	5.9	1.6%	
56.8%	349.8	376.2	26.3	7.5%	
58.0%	342.7	350.8	8.1	2.4%	
59.3%	329.2	343.1	13.8	4.2%	
60.5%	321.2	335.2	13.9	4.3%	
61.7%	315.4	312.4	-3.0	-0.9%	
63.0%	313.1	311.8	-1.3	-0.4%	
64.2%	312.5	311.4	-1.1	-0.4%	

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	743.1	751.7	8.6	1.2%
1.2%	618.2	603.4	-14.8	-2.4%
2.5%	579.3	554.5	-24.8	-4.3%
3.7%	575.4	543.4	-32.0	-5.6%
4.9%	550.9	537.3	-13.6	-2.5%
6.2%	519.7	522.5	2.8	0.5%
7.4%	514.4	512.4	-2.0	-0.4%
8.6%	514.3	507.2	-7.1	-1.4%
9.9%	498.0	505.1	7.2	1.4%
11.1%	483.4	494.6	11.2	2.3%
12.3%	479.9	466.5	-13.4	-2.8%
13.6%	462.4	465.5	3.1	0.7%
14.8%	450.8	463.8	13.0	2.9%
16.0%	447.6	456.4	8.8	2.0%
17.3%	442.2	453.8	11.6	2.6%
18.5%	441.2	451.8	10.6	2.4%
19.8%	440.9	450.8	10.0	2.3%
21.0%	435.7	450.4	14.7	3.4%
22.2%	433.6	446.7	13.1	3.0%
23.5%	432.8	441.7	8.9	2.0%
24.7%	430.9	433.2	2.3	0.5%
25.9%	429.6	431.6	2.0	0.5%
27.2%	413.3	415.1	1.8	0.4%
28.4%	405.2	409.3	4.1	1.0%
29.6%	403.7	408.1	4.5	1.1%
30.9%	403.5	407.9	4.4	1.1%
32.1%	395.5	404.3	8.8	2.2%
33.3%	390.4	403.8	13.4	3.4%
34.5%	389.5	394.1	7.6	2.0%
35.8%	382.3	388.2	5.9	1.5%
37.0%	374.1	387.1	13.0	3.5%
38.3%	373.1	381.9	8.8	2.4%
39.5%	372.0	374.1	2.2	0.6%
40.7%	367.8	373.9	6.1	1.7%
42.0%	366.2	373.3	7.1	1.9%
43.2%	363.8	369.5	5.7	1.6%
44.4%	356.4	368.1	11.8	3.3%
45.7%	356.1	359.9	3.9	1.1%
46.9%	354.4	357.4	3.0	0.9%
48.1%	351.0	357.0	5.9	1.7%
49.4%	348.5	352.5	3.9	1.1%
50.6%	342.8	348.9	6.1	1.8%
51.9%	336.4	341.6	5.2	1.5%
53.1%	330.3	340.8	10.5	3.2%
54.3%	329.6	339.1	9.4	2.9%
55.6%	324.1	333.0	8.9	2.7%
56.8%	321.0	332.2	11.2	3.5%
58.0%	318.7	320.3	1.6	0.5%
59.3%	314.7	319.4	4.7	1.5%
60.5%	311.7	318.3	6.6	2.1%
61.7%	309.7	317.6	8.0	2.6%
63.0%	307.8	310.8	2.9	1.0%
64.2%	307.8	309.8	2.0	0.6%
65.4%	306.4	308.4	1.7	0.6%
66.7%	306.2	303.7	-2.5	-0.8%
67.9%	301.2	303.5	2.4	0.8%
69.1%	300.9	301.0	0.1	0.0%
70.4%	299.6	299.8	0.2	0.1%
71.6%	298.3	298.7	0.4	0.1%
72.8%	296.8	296.8	0.0	0.0%
74.1%	293.7	296.8	3.1	1.1%
75.3%	292.7	296.8	4.1	1.4%
76.5%	290.7	294.3	3.6	1.2%
77.8%	289.0	293.6	4.5	1.6%
79.0%	285.7	286.7	1.0	0.3%
80.2%	283.7	285.2	1.4	0.5%
81.5%	281.8	281.1	-0.7	-0.3%
82.7%	278.2	276.4	-1.8	-0.7%
84.0%	272.6	275.6	3.0	1.1%
85.2%	271.4	274.7	3.4	1.2%
86.4%	271.3	272.9	1.6	0.6%
87.7%	268.3	270.8	2.5	0.9%
88.9%	266.8	267.2	0.4	0.2%
90.1%	265.0	265.1	0.1	0.0%
91.4%	264.0	262.4	-1.6	-0.6%
92.6%	262.5	262.4	-0.1	0.0%
93.8%	251.1	256.0	4.9	1.9%
95.1%	250.4	251.2	0.8	0.3%
96.3%	248.2	250.2	2.0	0.8%
97.5%	244.8	244.5	-0.3	-0.1%
98.8%	224.1	225.5	1.4	0.6%
100.0%	223.6	223.6	0.0	0.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	467.5	471.4	3.9	0.8%
1.2%	452.9	447.5	-5.5	-1.2%
2.5%	441.2	426.8	-14.3	-3.2%
3.7%	418.8	394.9	-23.9	-5.7%
4.9%	407.3	394.9	-12.5	-3.1%
6.2%	398.6	394.8	-3.8	-0.9%
7.4%	388.9	391.1	2.2	0.6%
8.6%	386.5	385.2	-1.3	-0.3%
9.9%	370.2	370.1	-0.1	0.0%
11.1%	370.0	364.7	-5.3	-1.4%
12.3%	367.4	364.2	-3.1	-0.9%
13.6%	358.9	358.9	0.0	0.0%
14.8%	356.5	357.4	0.9	0.2%
16.0%	353.1	356.1	3.0	0.8%
17.3%	353.0	349.0	-3.9	-1.1%
18.5%	348.8	347.2	-1.6	-0.5%
19.8%	341.8	347.1	5.4	1.6%
21.0%	330.8	338.1	7.3	2.2%
22.2%	323.1	336.8	13.7	4.3%
23.5%	322.5	332.2	9.7	3.0%
24.7%	321.6	332.1	10.5	3.3%
25.9%	318.6	321.6	3.0	0.9%
27.2%	315.3	327.1	11.8	3.7%
28.4%	314.6	319.2	4.6	1.5%
29.6%	312.5	318.5	6.0	1.9%
30.9%	311.8	315.3	3.5	1.1%
32.1%	304.2	311.9	7.7	2.5%
33.3%	301.7	310.8	9.1	3.0%
34.5%	300.7	305.7	5.0	1.7%
35.8%	300.0	300.1	0.2	0.1%
37.0%	297.1	299.8	2.7	0.9%
38.3%	297.0	298.1	1.2	0.4%
39.5%	296.4	297.6	1.2	0.4%
40.7%	296.0	296.9	0.9	0.3%
42.0%	294.8	297.1	2.3	0.8%
43.2%	292.4	293.0	0.6	0.2%
44.4%	292.0	292.4	0.4	0.1%
45.7%	291.1	292.0	0.9	0.3%
46.9%	290.7	289.8	-0.9	-0.3%
48.1%	290.0	289.7	-0.2	-0.1%
49.4%	285.9	285.9	0.0	0.0%
50.6%	285.9	285.6	-0.2	-0.1%
51.9%	283.4	284.5	1.1	0.4%
53.1%	280.4	284.2	3.8	1.3%
54.3%	279.5	283.4	3.9	1.4%
55.6%	278.4	283.2	4.7	1.7%
56.8%	277.5	282.4	4.9	1.8%
58.0%	276.4	280.0	3.6	1.3%
59.3%	276.4	278.4	2.1	0.7%
60.5%	275.7	278.0	2.3	0.8%
61.7%	272.7	277.8	5.1	1.9%
63.0%	268.3	276.3	8.0	3.0%
64.2%	266.1	270.3	4.2	1.6%
65.4%	263.8	268.8	5.1	1.9%
66.7%	262.4	267.9	5.5	2.1%
67.9%	261.8	263.5	1.7	0.7%
69.1%	261.0	263.3	2.3	0.9%
70.4%	259.8	262.2	2.4	0.9%
71.6%	259.6	259.9	0.3	0.1%
72.8%	258.7	259.3	0.5	0.2%
74.1%	258.0	258.2	0.2	0.1%
75.3%	254.4	258.1	3.7	1.5%
76.5%	252.8	257.4	4.6	1.8%
77.8%	251.6	254.4	2.8	1.1%
79.0%	251.3	251.4	0.1	0.0%
80.2%	245.3	246.4	1.1	0.4%
81.5%	242.9	245.4	2.5	1.0%
82.7%	240.1	243.0	2.8	1.2%
84.0%	239.6	241.4	1.7	0.7%
85.2%	239.2	240.0	0.8	0.3%
86.4%	237.7	239.7	2.0	0.8%
87.7%	237.1	238.8	1.7	0.7%
88.9%	236.6	237.2	0.6	0.3%
90.1%	233.3	236.6	3.3	1.4%
91.4%	229.5	233.5	4.0	1.8%
92.6%	229.3	230.9	1.6	0.7%
93.8%	228.5	230.2	1.8	0.8%
95.1%	228.4	228.8	0.4	0.2%
96.3%	227.7	229.2	1.5	0.7%
97.5%	224.6	224.4	-0.2	-0.1%
98.8%	216.7	216.8	0.1	0.0%
100.0%	214.3	214.4	0.1	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	474.4	474.9	0.4	0.1%
1.2%	473.8	444.3	-29.5	-6.2%
2.5%	441.0	441.0	0.0	0.0%
3.7%	430.7	430.8	0.1	0.0%
4.9%	418.6	425.3	6.7	1.6%
6.2%	407.8	420.4	12.5	3.1%
7.4%	407.1	408.8	1.7	0.4%
8.6%	391.9	408.6	16.8	4.3%
9.9%	391.3	393.6	2.3	0.6%
11.1%	390.0	392.3	2.3	0.6%
12.3%	388.2	389.2	0.9	0.2%
13.6%	386.3	387.6	1.3	0.3%
14.8%	380.9	385.6	4.7	1.2%
16.0%	379.4	382.7	3.3	0.9%
17.3%	377.0	380.8	3.8	1.0%
18.5%	371.9	378.4	6.5	1.7%
19.8%	369.8	374.1	4.3	1.2%
21.0%	368.5	373.5	5.0	1.4%
22.2%	368.1	369.7	1.6	0.4%
23.5%	367.1	368.0	0.9	0.2%
24.7%	365.9	366.9	1.0	0.3%
25.9%	359.7	359.7	0.0	0.0%
27.2%	357.0	359.0	2.0	0.5%
28.4%	357.0	357.3	0.4	0.1%
29.6%	355.5	356.3	0.8	0.2%
30.9%	355.4	355.3	-0.1	0.0%
32.1%	351.5	354.0	2.5	0.7%
33.3%	344.4	350.3	5.9	1.7%
34.5%	343.6	346.3	2.7	0.8%
35.8%	342.3	346.0	3.7	1.1%
37.0%	342.1	344.0	1.8	0.5%
38.3%	340.1	342.2	2.1	0.6%
39.5%	340.0	341.7	1.7	0.5%
40.7%	339.0	338.9	-0.1	0.0%
42.0%	337.1	338.0	0.9	0.3%
43.2%	336.5	337.7	1.2	0.3%
44.4%	335.9	336.6	0.7	0.2%
45.7%	335.2	336.5	1.4	0.4%
46.9%	332.5	332.9	0.4	0.1%
48.1%	331.3	329.5	-1.8	-0.6%
49.4%	328.3	328.1	-0.2	0.0%
50.6%	326.1	326.2	0.1	0.0%
51.9%	325.4	326.0	0.7	0.2%
53.1%	324.8	325.5	0.7	0.2%
54.3%	322.6	325.2	2.6	0.8%
55.6%	322.2	325.0	2.8	0.9%
56.8%	321.9	322.4	0.6	0.2%
58.0%	321.5	322.4	0.9	0.3%
59.3%	320.2	322.3	2.1	0.7%
60.5%	319.7	321.8	2.1	0.7%
61.7%	318.2	320.3	2.1	0.6%
63.0%	318.1	318.5	0.4	0.1%
64.2%	317.5	318.3	0.8	0.2%
65.4%	317.2	318.0	0.8	0.2%
66.7%	316.3	317.6	1.3	0.4%
67.9%	315.6	316.1	0.5	0.1%
69.1%	314.1	314.0	-0.2	-0.1%
70.4%	310.3	310.8	0.5	0.2%
71.6%	298.2	303.2	5.0	1.7%
72.8%	296.1	302.2	6.1	2.1%
74.1%	295.9	301.3	5.4	1.8%
75.3%	294.8	298.9	4.2	1.4%
76.5%	293.7	295.6	1.9	0.6%
77.8%	291.9	295.6	3.7	1.3%
79.0%	291.2	294.8	3.6	1.2%
80.2%	286.3	291.2	4.9	1.7%
81.5%	284.3	288.6	4.3	1.5%
82.7%	279.8	288.1	8.3	3.0%
84.0%	278.5	283.5	5.0	1.8%
85.2%	273.2	278.6	5.4	2.0%
86.4%	270.8	270.9	0.1	0.0%
87.7%	269.6	269.6	0.0	0.0%
88.9%	261.2	263.9	2.6	1.0%

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

Percent Exceedance Probability (%)	June			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	499.9	493.1	-6.7	-1.3%
1.2%	490.0	484.6	-5.4	-1.1%
2.5%	482.1	444.3	-12.2	-2.5%
3.7%	416.7	428.4	9.6	2.3%
4.9%	330.4	326.2	-4.2	-1.3%
6.2%	318.8	317.7	-1.1	-0.3%
7.4%	311.6	311.3	-0.3	-0.1%
8.6%	309.4	309.7	0.3	0.1%
9.9%	308.0	308.5	0.5	0.2%
11.1%	307.0	306.0	-1.0	-0.3%
12.3%	305.5	302.2	-3.2	-1.1%
13.6%	298.7	301.4	2.8	0.9%
14.8%	297.7	297.5	-0.1	0.0%
16.0%	294.6	294.5	-0.2	-0.1%
17.3%	290.7	291.7	1.0	0.3%
18.5%	290.5	289.6	-1.9	-0.6%
19.8%	286.9	283.6	-3.3	-1.1%
21.0%	278.6	278.6	0.0	0.0%
22.2%	277.8	277.6	-0.2	-0.1%
23.5%	275.7	276.8	1.2	0.4%
24.7%	274.9	275.0	0.8	0.3%
25.9%	273.0	273.5	0.5	0.2%
27.2%	273.5	270.7	-2.8	-1.0%
28.4%	272.2	271.6	-0.6	-0.2%
29.6%	270.3	270.3	0.0	0.0%
30.9%	270.0	270.0	0.0	0.0%
32.1%	269.9	268.2	-1.7	-0.6%
33.3%	268.3	266.8	-1.4	-0.5%
34.5%	267.3	266.7	-0.6	-0.2%
35.8%	265.6	265.8	0.2	0.1%
37.0%	264.5	265.8	1.3	0.5%
38.3%	264.4	264.9	0.5	0.2%
39.5%	263.9	264.5	0.6	0.2%
40.7%	263.7	263.7	0.0	0.0%
42.0%	263.5	263.7	0.2	0.1%
43.2%	262.4	262.4	0.0	0.0%
44.4%	261.9	262.2	0.3	0.1%
45.7%	261.1	261.1	0.0	0.0%
46.9%	259.6	261.1	1.5	0.6%
48.1%	259.4	259.0	-0.4	-0.2%
49.4%	257.9	257.7	-0.2	-0.1%
50.6%	257.2	257.1	-0.1	-0.1%
51.9%	256.7	257.0	0.3	0.1%
53.1%	256.7	256.9	0.2	0.1%
54.3%	256.6	256.7	0.1	0.0%
55.6%	256.6	256.4	-0.2	-0.1%
56.8%	255.4	255.3	-0.1	0.0%
58.0%	255.4	255.1	-0.2	-0.1%
59.3%	254.8	254.8	0.0	0.0%
60.5%	254.7	254.7	0.0	0.0%
61.7%	254.2	254.6	0.4	0.1%
63.0%	253.7	253.4	-0.4	-0.1%
64.2%	253.3	251.3	-2.1	-0.8%
65.4%	251.6	251.1	-0.5	-0.2%
66.7%	250.8	250.9	0.2	0.1%
67.9%	250.6	250.3	-0.3	-0.1%
69.1%	250.3	250.3	0.0	0.0%
70.4%	249.4	249.7	0.3	0.1%
71.6%	248.1	248.2	0.1	0.0%
72.8%	248.1	248.2	0.1	0.0%
74.1%	247.3	247.5	0.3	0.1%
75.3%	246.8	247.4	0.6	0.3%
76.5%	245.2	246.6	1.5	0.6%
77.8%	244.1	245.1	1.0	0.4%
79.0%	241.7	244.1	2.4	1.0%
80.2%	241.3	243.2	1.9	0.8%
81.5%	238.6	241.9	3.3	1.4%
82.7%	236.6	241.1	4.5	1.9%
84.0%	236.0	238.4	2.4	1.0%
85.2%	234.4	238.0	3.6	1.5%
86.4%	234.2	236.1	1.9	0.8%
87.7%	233.6	234.4	0.8	0.3%
88.9%	233.4	234.3	0.9	0.4%
90.1%	233.1	234.0	0.9	0.4%
91.4%	233.0	233.7	0.8	0.3%
92.6%	231.7	232.4	0.7	0.3%
93.8%	231.6	231.2	-0.4	-0.2%
95.1%	231.4	231.0	-0.3	-0.1%
96.3%	230.2	230.2	0.0	0.0%
97.5%	225.5	225.7	0.2	0.1%
98.8%	223.2	218.7	-4.5	-2.0%
100.0%	215.3	215.2	-0.1	0.0%

Percent Exceedance Probability (%)	July			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	785.2	790.4	5.2	0.7%
1.2%	757.7	757.6	-0.2	0.0%
2.5%	622.1	615.1	-7.0	-1.1%
3.7%	602.1	602.3	0.2	0.0%
4.9%	606.2	586.2	-20.0	-3.3%
6.2%	580.0	565.7	-14.2	-2.5%
7.4%	571.6	527.4	-44.3	-7.7%
8.6%	523.6	522.4	-1.2	-0.2%
9.9%	513.3	503.9	-9.4	-1.8%
11.1%	490.0	487.4	-2.6	-0.5%
12.3%	489.1	476.6	-12.5	-2.6%
13.6%	468.2	469.9	1.7	0.4%
14.8%	464.9	460.9	-4.1	-0.9%
16.0%	456.6	455.1	-1.5	-0.3%
17.3%	437.8	437.6	-0.1	0.0%
18.5%	436.8	434.0	-2.8	-0.6%
19.8%	431.3	430.7	-0.6	-0.1%
21.0%	424.0	428.4	4.5	1.1%
22.2%	387.8	425.6	37.8	9.7%
23.5%	383.5	414.3	30.9	8.0%
24.7%	371.6	393.3	21.7	5.8%
25.9%	371.5	371.5	0.0	0.0%
27.2%	361.9	370.3	8.3	2.3%
28.4%	362.3	361.2	-1.2	-0.3%
29.6%	353.3	352.9	-0.4	-0.1%
30.9%	352.7	350.0	-2.8	-0.8%
32.1%	348.9	348.9	0.0	0.0%
33.3%	346.8	346.8	0.0	0.0%
34.5%	341.7	346.8	5.2	1.5%
35.8%	330.4	338.0	7.6	2.3%
37.0%	320.7	337.2	16.4	5.1%
38.3%	309.5	312.5	2.9	0.9%
39.5%	308.1	309.7	1.6	0.5%
40.7%	304.8	302.1	-2.7	-0.9%
42.0%	303.4	300.9	-2.5	-0.8%
43.2%	300.8	296.1	-4.6	-1.5%
44.4%	300.3	294.0	-6.3	-2.1%
45.7%	299.7	293.8	-5.9	-2.0%
46.9%	298.3	286.0	-12.3	-4.1%
48.1%	282.1	280.3	-1.9	-0.7%
49.4%	280.3	270.8	-9.5	-3.4%
50.6%	267.8	267.7	-0.1	0.0%
51.9%	267.4	266.7	-0.8	-0.3%
53.1%	265.6	266.1	0.5	0.2%
54.3%	265.2	264.1	-1.1	-0.4%
55.6%	265.0	263.5	-1.5	-0.6%
56.8%	264.5	262.6	-1.8	-0.7%
58.0%	259.4	261.5	2.1	0.8%
59.3%	259.2	260.7	1.5	0.6%
60.5%	258.8	260.4	1.6	0.6%
61.7%	256.1	259.9	3.9	1.5%
63.0%	255.5	257.4	1.8	0.7%
64.2%	254.1	254.4	0.3	0.1%
65.4%	253.6	254.1	0.4	0.2%
66.7%	253.5	253.0	-0.5	-0.2%
67.9%	253.0	251.8	-1.2	-0.5%
69.1%	251.0	250.5	-0.5	-0.2%
70.4%	246.4	248.7	2.4	1.0%
71.6%	244.8	248.7	3.9	1.6%
72.8%	240.6	240.1	-0.5	-0.2%
74.1%	238.0	236.7	-1.3	-0.5%
75.3%	235.7	235.3	-0.4	-0.2%
76.5%	235.0	234.3	-0.7	-0.3%
77.8%	234.9	233.5	-1.4	-0.6%
79.0%	234.0	232.3	-1.7	-0.7%
80.2%	230.6	231.2	0.6	0.3%
81.5%	230.0	230.0	0.0	0.0%
82.7%	228.5	228.0	-0.5	-0.2%
84.0%	228.2	228.0	-0.1	-0.1%
85.2%	227.6	227.2	-0.4	-0.2%
86.4%	227.5	227.1	-0.4	-0.2%
87.7%	224.7	224.5	-0.2	-0.1%
88.9%	224.2	224.1	-0.1	-0.1%
90.1%	223.8	222.0	-1.8	-0.8%
91.4%	221.4	221.3	-0.1	0.0%
92.6%	220.8	220.5	-0.3	-0.1%
93.8%	220.2	220.2	0.0	0.0%
95.1%	220.2	219.6	-0.6	-0.3%
96.3%	220.2	224.5	4.3	1.9%
97.5%	216.8	216.4	-0.3	-0.2%
98.8%	215.8	216.2	0.5	0.2%
100.0%	211.7	214.0	2.2	1.1%

Percent Exceedance Probability (%)	August			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	950.6	966.5	15.9	1.7%
1.2%	893.4	901.0	17.7	2.0%
2.5%	752.5	809.3	56.8	7.4%
3.7%	745.3	745.3	0.0	0.0%
4.9%	743.5	744.6	1.2	0.2%
6.2%	739.9	742.4	2.5	0.3%
7.4%	714.0	727.8	13.8	1.9%
8.6%	711.4	724.2	12.8	1.8%
9.9%	698.5	711.1	12.5	1.8%
11.1%	682.5	698.2	15.7	2.3%
12.3%	676.2	681.2	5.0	0.7%
13.6%	650.2	677.5	27.4	4.2%
14.8%	640.2	658.7	18.5	2.9%
16.0%	634.4	658.7	24.2	3.8%
17.3%	634.1	648.9	14.8	2.3%
18.5%	628.0	641.9	13.9	2.2%
19.8%	606.6	640.0	30.4	5.0%
21.0%	600.8	619.1	18.3	3.0%
22.2%	582.3	600.5	18.1	3.1%
23.5%	571.8	586.0	14.2	2.5%
24.7%	561.7	566.7	5.0	0.9%
25.9%	560.5	560.9	0.4	0.1%
27.2%	553.6	559.8	6.2	1.1%
28.4%	546.7	558.9	12.2	2.2%
29.6%	545.4	553.2	7.8	1.4%
30.9%	541.3	544.7	3.4	0.6%
32.1%	529.4	543.2	13.8	2.6%
33.3%	529.0	536.4	7.4	1.4%
34.5%	512.7	528.7	16.0	3.1%
35.8%	508.3	528.7	20.4	4.0%
37.0%	497.8	521.8	24.1	4.8%
38.3%	494.8	518.3	23.5	4.8%
39.5%	490.7	497.0	6.3	1.3%
40.7%	490.2	493.1	2.9	0.6%
42.0%	489.9	487.4	-2.5	-0.5%
43.2%	489.2	481.6	-7.5	-1.5%
44.4%	469.9	478.5	8.5	1.8%
45.7%	468.2	476.1	7.9	1.7%
46.9%	447.2	475.9	28.8	6.4%
48.1%	441.9	475.0	33.1	7.5%
49.4%	440.9	473.0	32.1	7.3%
50.6%	430.8	442.1	11.3	2.6%
51.9%	422.3	441.1	18.8	4.5%
53.1%	420.2	439.2	19.0	4.5%
54.3%	418.0	438.5	20.4	4.9%
55.6%	416.9	436.0	19.1	4.6%
56.8%	411.8	434.3	22.4	5.4%
58.0%	407.7	434.2	26.5	6.5%
59.3%	407.5	432.6	25.0	6.1%
60.5%	403.4	401.5	-1.9	-0.5%
61.7%	401.0	394.0	-6.9	-1.7%
63.0%	396.2	388.7	-7.5	-1.9%
64.2%	389.2	385.0	-4.2	-1.1%
65.4%	378.6	378.1	-0.5	-0.1%
66.7%	377.6	373.2	-4.4	-1.2%
67.9%	376.9	370.3	-6.6	-1.8%
69.1%	376.8	369.2	-7.5	-2.0%
70.4%	376.4	369.2	-7.2	-1.9%
71.6%	370.1	369.2	-0.9	-0.3%
72.8%	369.1	362.0	-7.2	-1.9%
74.1%	365.1	361.7	-3.4	-0.9%
75.3%	364.7	361.7	-3.0	-0.8%
76.5%	362.9	354.0	-8.9	-2.5%
77.8%	353.6	350.2	-3.4	-1.0%
79.0%	352.3	345.6	-6.7	-1.9%
80.2%	349.2	341.5	-7.6	-2.2%
81.5%	347.9	340.3	-7.6	-2.2%
82.7%	345.7	338.0	-7.7	-2.3%
84.0%	338.4	337.1	-1.2	-0.4%
85.2%	335.2	334.8	-0.5	-0.1%
86.4%	331.3	322.9	-8.4	-2.



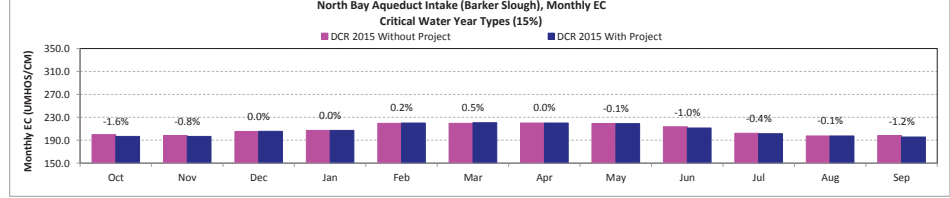
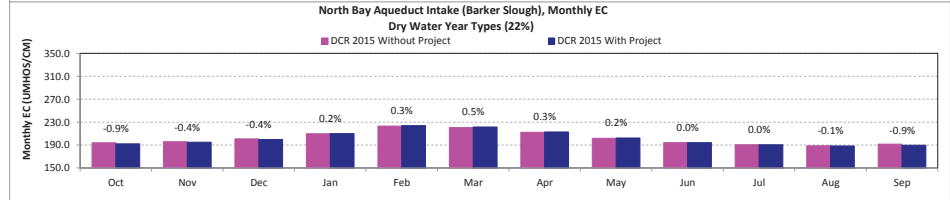
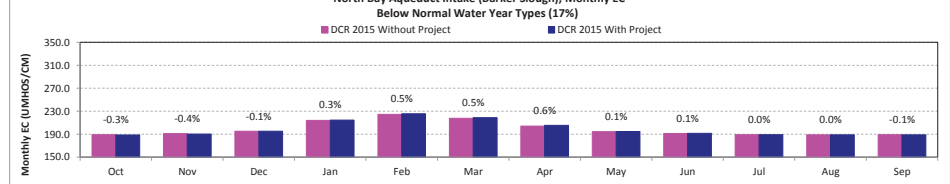
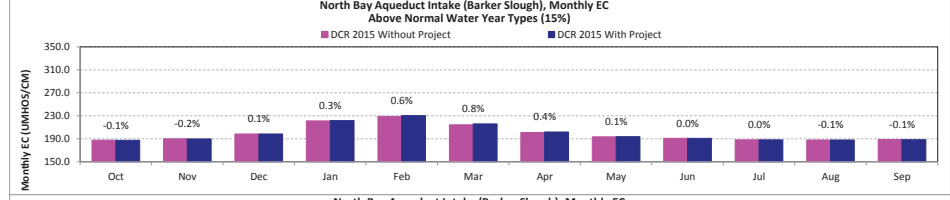
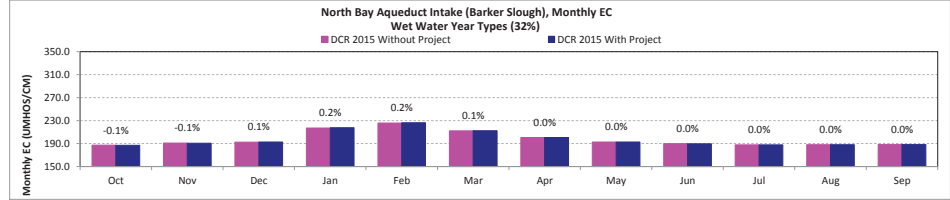
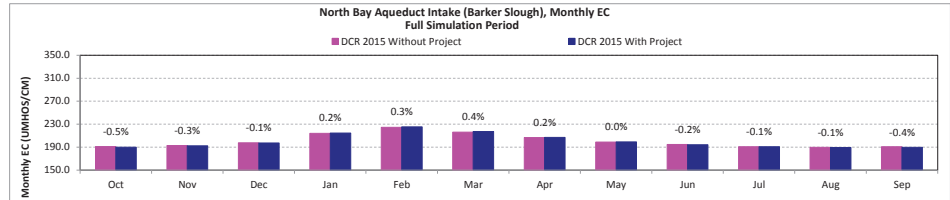
Table SQ-28-a  
North Bay Aqueduct Intake (Barker Slough), Monthly EC  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	190.9	192.9	197.5	214.1	224.5	216.3	206.6	199.0	194.6	190.8	189.7	190.7
DCR 2015 With Project	189.9	192.3	197.4	214.5	225.3	217.2	207.1	199.1	194.3	190.7	189.6	189.8
Difference	-1.0	-0.7	-0.1	0.4	0.7	0.9	0.5	0.1	-0.3	-0.1	-0.1	-0.8
Percent Difference <sup>3</sup>	-0.5%	-0.3%	-0.1%	0.2%	0.3%	0.4%	0.2%	0.0%	-0.2%	-0.1%	-0.1%	-0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	187.1	190.9	192.6	217.1	225.7	212.1	200.6	192.7	189.7	187.8	188.1	188.3
DCR 2015 With Project	187.0	190.7	192.8	217.6	226.2	212.4	200.7	192.6	189.6	187.8	188.0	188.3
Difference	-0.1	-0.2	0.2	0.5	0.5	0.2	0.1	-0.1	-0.1	-0.1	0.0	-0.1
Percent Difference	-0.1%	-0.1%	0.1%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	187.7	190.0	198.3	221.1	229.0	214.3	201.0	193.3	190.8	188.1	188.0	188.6
DCR 2015 With Project	187.4	189.7	198.4	221.8	230.3	215.9	201.8	193.5	190.7	188.1	187.9	188.4
Difference	-0.3	-0.4	0.2	0.7	1.3	1.7	0.8	0.2	0.0	-0.1	-0.1	-0.2
Percent Difference	-0.1%	-0.2%	0.1%	0.3%	0.6%	0.8%	0.4%	0.1%	0.0%	-0.1%	-0.1%	-0.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	189.2	190.9	195.3	214.0	224.6	217.7	204.1	194.4	191.3	189.2	188.8	189.0
DCR 2015 With Project	188.7	190.1	195.1	214.6	225.6	218.8	205.3	194.7	191.4	189.2	188.8	188.8
Difference	-0.5	-0.7	-0.1	0.6	1.0	1.1	1.2	0.3	0.1	0.0	0.0	-0.2
Percent Difference	-0.3%	-0.4%	-0.1%	0.3%	0.5%	0.5%	0.6%	0.1%	0.1%	0.0%	0.0%	-0.1%
<b>Dry (2%)</b>												
DCR 2015 Without Project	194.0	195.7	200.7	209.6	223.1	220.5	212.2	201.9	194.2	190.6	188.7	191.6
DCR 2015 With Project	192.2	194.9	199.8	210.0	223.8	221.6	212.9	202.2	194.1	190.6	188.5	189.8
Difference	-1.8	-0.8	-0.9	0.4	0.7	1.1	0.7	0.3	-0.1	0.0	-0.2	-1.8
Percent Difference	-0.9%	-0.4%	-0.4%	0.2%	0.3%	0.5%	0.3%	0.2%	0.0%	0.0%	-0.1%	-0.9%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	199.9	198.3	205.5	207.3	219.5	219.5	220.0	219.2	213.5	202.1	197.5	198.2
DCR 2015 With Project	196.8	196.8	205.5	207.2	220.0	220.7	220.0	219.0	211.4	201.3	197.4	195.7
Difference	-3.2	-1.5	0.0	-0.1	0.4	1.1	0.1	-0.2	-2.0	-0.8	-0.1	-2.4
Percent Difference	-1.6%	-0.8%	0.0%	0.0%	0.2%	0.5%	0.0%	-0.1%	-1.0%	-0.4%	-0.1%	-1.2%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average





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

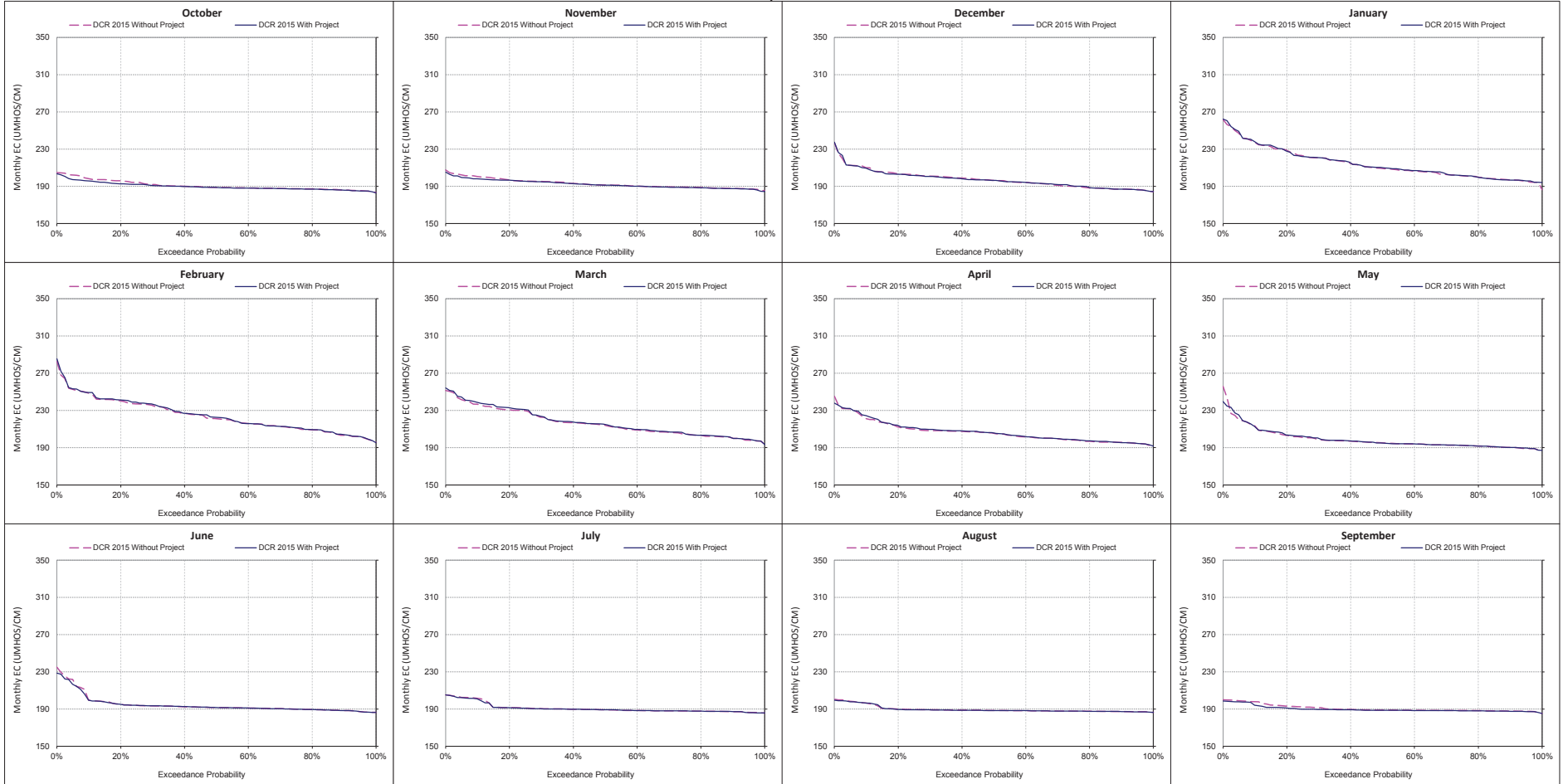


Table SQ-28-b  
North Bay Aqueduct Intake (Barker Slough), Monthly EC  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	204.8	204.4	-1.3	-0.7%
1.2%	204.6	202.3	-2.2	-1.1%
2.5%	204.1	200.5	-3.6	-1.8%
3.7%	202.7	198.5	-3.9	-1.9%
4.9%	202.2	197.2	-5.0	-2.5%
6.2%	201.9	196.9	-5.0	-2.5%
7.4%	201.2	196.8	-4.4	-2.2%
8.6%	199.2	196.2	-3.0	-1.5%
9.9%	198.3	195.7	-2.7	-1.4%
11.1%	197.4	195.5	-1.9	-1.0%
12.3%	197.3	195.1	-2.3	-1.1%
13.6%	197.2	194.4	-2.8	-1.4%
14.8%	197.2	194.3	-2.8	-1.4%
16.0%	197.0	193.8	-3.2	-1.6%
17.3%	196.2	193.2	-3.0	-1.5%
18.5%	196.0	193.0	-3.1	-1.6%
19.8%	196.0	192.7	-3.3	-1.7%
21.0%	195.6	192.6	-3.0	-1.6%
22.2%	195.2	192.2	-2.9	-1.5%
23.5%	194.3	192.1	-2.2	-1.1%
24.7%	194.3	192.1	-2.2	-1.1%
25.9%	194.1	191.9	-2.1	-1.1%
27.2%	192.9	192.0	-0.9	-0.5%
28.4%	192.3	191.5	-0.8	-0.4%
29.6%	192.0	190.9	-1.2	-0.6%
30.9%	191.9	190.7	-1.2	-0.6%
32.1%	190.9	190.6	-0.3	-0.1%
33.3%	190.6	190.5	-0.1	0.0%
34.5%	190.5	190.3	-0.2	-0.1%
35.8%	190.4	190.0	-0.4	-0.2%
37.0%	190.4	190.0	-0.3	-0.2%
38.3%	190.3	190.0	-0.3	-0.2%
39.5%	190.2	189.9	-0.3	-0.1%
40.7%	190.0	189.8	-0.2	-0.1%
42.0%	189.8	189.8	-0.2	-0.1%
43.2%	189.8	189.5	-0.3	-0.2%
44.4%	189.7	189.2	-0.5	-0.3%
45.7%	189.3	189.0	-0.3	-0.1%
46.9%	189.3	188.9	-0.4	-0.2%
48.1%	188.9	188.9	-0.1	0.0%
49.4%	188.9	188.9	-0.1	0.0%
50.6%	188.7	188.7	-0.2	-0.1%
51.9%	188.8	188.4	-0.4	-0.2%
53.1%	188.6	188.3	-0.3	-0.2%
54.3%	188.6	188.3	-0.3	-0.2%
55.6%	188.5	188.2	-0.3	-0.1%
56.8%	188.4	188.1	-0.3	-0.2%
58.0%	188.4	188.1	-0.4	-0.2%
59.3%	188.3	188.0	-0.3	-0.2%
60.5%	188.2	188.0	-0.2	-0.1%
61.7%	188.2	188.0	-0.2	-0.1%
63.0%	188.1	187.9	-0.2	-0.1%
64.2%	188.1	187.8	-0.3	-0.2%
65.4%	188.0	187.8	-0.2	-0.1%
66.7%	187.9	187.7	-0.2	-0.1%
67.9%	187.8	187.7	-0.2	-0.1%
69.1%	187.7	187.5	-0.2	-0.1%
70.4%	187.6	187.5	-0.2	-0.1%
71.6%	187.5	187.4	-0.1	-0.1%
72.8%	187.4	187.4	-0.2	-0.1%
74.1%	187.4	187.3	-0.2	-0.1%
75.3%	187.4	187.1	-0.3	-0.1%
76.5%	187.4	187.1	-0.2	-0.1%
77.8%	187.4	187.1	-0.3	-0.2%
79.0%	187.3	186.9	-0.4	-0.2%
80.2%	187.2	186.8	-0.4	-0.2%
81.5%	187.2	186.8	-0.4	-0.2%
82.7%	187.0	186.7	-0.4	-0.2%
84.0%	186.8	186.5	-0.3	-0.2%
85.2%	186.7	186.5	-0.2	-0.1%
86.4%	186.7	186.3	-0.3	-0.2%
87.7%	186.6	186.2	-0.4	-0.2%
88.9%	186.1	186.0	0.0	0.0%
90.1%	186.0	185.8	-0.2	-0.1%
91.4%	185.8	185.7	-0.1	-0.1%
92.6%	185.6	185.4	-0.2	-0.1%
93.8%	185.4	185.3	-0.1	-0.1%
95.1%	185.4	184.8	-0.6	-0.3%
96.3%	184.2	184.3	0.1	0.1%
97.5%	184.7	184.7	0.1	0.1%
98.8%	184.4	184.0	-0.4	-0.2%
100.0%	183.3	183.1	-0.2	-0.1%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	207.5	205.1	-2.4	-1.2%
1.2%	204.7	202.9	-1.8	-0.9%
2.5%	203.7	201.2	-2.5	-1.2%
3.7%	203.2	201.2	-2.0	-1.0%
4.9%	202.3	199.6	-2.7	-1.3%
6.2%	201.5	199.2	-2.3	-1.1%
7.4%	201.5	198.9	-2.5	-1.2%
8.6%	201.4	198.2	-3.2	-1.6%
9.9%	200.5	199.2	-1.4	-0.7%
11.1%	200.0	197.8	-2.2	-1.1%
12.3%	199.9	197.6	-2.3	-1.1%
13.6%	199.6	197.3	-2.3	-1.1%
14.8%	199.0	196.9	-2.1	-1.1%
16.0%	198.4	196.8	-1.6	-0.8%
17.3%	198.2	196.7	-1.5	-0.7%
18.5%	197.5	196.7	-0.8	-0.4%
19.8%	197.0	196.6	-0.4	-0.2%
21.0%	196.1	196.2	0.2	0.1%
22.2%	196.0	196.1	0.1	0.1%
23.5%	196.0	195.7	-0.3	-0.2%
24.7%	195.9	195.5	-0.4	-0.2%
25.9%	195.6	195.4	-0.2	-0.1%
27.2%	195.5	195.1	-0.4	-0.2%
28.4%	195.4	195.1	-0.3	-0.2%
29.6%	195.3	195.0	-0.3	-0.2%
30.9%	195.1	194.8	-0.3	-0.2%
32.1%	195.0	194.7	-0.3	-0.1%
33.3%	194.9	194.4	-0.5	-0.3%
34.5%	194.7	193.8	-0.9	-0.5%
35.8%	194.5	193.7	-0.8	-0.4%
37.0%	194.4	193.5	-0.9	-0.4%
38.3%	193.1	193.1	0.0	0.0%
39.5%	193.1	192.9	-0.2	-0.1%
40.7%	193.0	192.8	-0.2	-0.1%
42.0%	192.8	192.5	-0.3	-0.1%
43.2%	192.6	192.2	-0.4	-0.2%
44.4%	192.1	192.1	0.0	0.0%
45.7%	191.6	191.8	0.2	0.1%
46.9%	191.5	191.6	0.1	0.0%
48.1%	191.5	191.4	-0.0	0.0%
49.4%	191.4	191.3	-0.2	-0.1%
50.6%	191.4	191.1	-0.2	-0.1%
51.9%	191.3	191.1	-0.2	-0.1%
53.1%	191.3	191.0	-0.3	-0.1%
54.3%	191.2	191.0	-0.2	-0.1%
55.6%	191.2	190.7	-0.5	-0.2%
56.8%	190.7	190.7	0.0	0.0%
58.0%	190.5	190.1	-0.3	-0.2%
59.3%	190.4	190.0	-0.4	-0.2%
60.5%	190.3	190.0	-0.3	-0.1%
61.7%	189.9	190.0	0.0	0.0%
63.0%	189.9	189.9	0.1	0.0%
64.2%	189.8	189.6	-0.2	-0.1%
65.4%	189.8	189.4	-0.4	-0.2%
66.7%	189.5	189.3	-0.2	-0.1%
67.9%	189.4	189.3	-0.1	-0.1%
69.1%	189.4	189.1	-0.3	-0.1%
70.4%	189.3	189.0	-0.3	-0.2%
71.6%	189.2	189.0	-0.3	-0.1%
72.8%	189.2	188.9	-0.3	-0.2%
74.1%	189.2	188.8	-0.4	-0.2%
75.3%	189.1	188.8	-0.4	-0.2%
76.5%	189.0	188.7	-0.3	-0.2%
77.8%	189.0	188.6	-0.4	-0.2%
79.0%	188.8	188.5	-0.3	-0.2%
80.2%	188.7	188.4	-0.4	-0.2%
81.5%	188.6	188.3	-0.3	-0.2%
82.7%	188.3	188.1	-0.2	-0.1%
84.0%	188.1	187.7	-0.4	-0.2%
85.2%	188.0	187.7	-0.4	-0.2%
86.4%	188.0	187.7	-0.3	-0.2%
87.7%	187.8	187.5	-0.3	-0.2%
88.9%	187.8	187.5	-0.3	-0.1%
90.1%	187.7	187.5	-0.3	-0.2%
91.4%	187.6	187.4	-0.2	-0.1%
92.6%	187.5	187.4	-0.2	-0.1%
93.8%	187.5	187.2	-0.3	-0.2%
95.1%	187.2	186.8	-0.4	-0.2%
96.3%	187.0	187.0	0.0	0.0%
97.5%	186.8	186.2	-0.6	-0.3%
98.8%	186.0	184.7	-1.3	-0.7%
100.0%	185.2	184.5	-0.7	-0.4%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	236.9	237.6	0.7	0.3%
1.2%	225.4	226.5	1.1	0.5%
2.5%	220.1	223.3	3.2	1.5%
3.7%	212.7	212.7	0.0	0.0%
4.9%	212.5	212.6	0.1	0.0%
6.2%	212.4	212.1	-0.3	-0.1%
7.4%	212.1	211.7	-0.4	-0.2%
8.6%	211.9	210.1	-1.8	-0.9%
9.9%	210.1	209.6	-0.4	-0.2%
11.1%	209.9	207.7	-2.2	-1.1%
12.3%	206.1	206.3	0.2	0.1%
13.6%	206.0	205.6	-0.4	-0.2%
14.8%	205.5	205.6	0.1	0.1%
16.0%	205.3	203.6	-1.7	-0.8%
17.3%	205.0	203.4	-1.7	-0.8%
18.5%	204.4	203.2	-1.2	-0.6%
19.8%	203.5	203.0	-0.5	-0.3%
21.0%	203.0	202.9	-0.1	-0.0%
22.2%	202.9	202.6	-0.3	-0.2%
23.5%	202.8	201.8	-1.0	-0.5%
24.7%	202.8	201.7	-1.1	-0.5%
25.9%	202.1	201.6	-0.5	-0.3%
27.2%	201.4	201.4	0.0	0.0%
28.4%	201.2	200.7	-0.5	-0.2%
29.6%	201.0	200.6	-0.4	-0.2%
30.9%	200.9	200.6	-0.3	-0.2%
32.1%	200.8	200.2	-0.6	-0.3%
33.3%	200.7	199.7	-1.0	-0.5%
34.5%	200.3	199.2	-1.1	-0.5%
35.8%	199.9	199.1	-0.9	-0.4%
37.0%	199.5	199.0	-0.6	-0.3%
38.3%	199.0	198.6	-0.4	-0.2%
39.5%	198.9	198.4	-0.5	-0.3%
40.7%	198.8	197.9	-0.9	-0.4%
42.0%	198.6	197.1	-1.5	-0.7%
43.2%	198.1	197.1	-1.0	-0.5%
44.4%	197.6	197.0	-0.6	-0.3%
45.7%	197.3	196.9	-0.4	-0.2%
46.9%	197.0	196.9	-0.2	-0.1%
48.1%	197.0	196.7	-0.3	-0.1%
49.4%	196.5	196.5	0.0	0.0%
50.6%	196.4	196.4	0.0	0.0%
51.9%	196.1	195.9	-0.2	-0.1%
53.1%	196.1	195.3	-0.8	-0.4%
54.3%	194.9	194.9	-0.1	0.0%
55.6%	194.6	194.9	0.3	0.2%
56.8%	194.5	194.7	0.2	0.1%
58.0%	194.2	194.7	0.5	0.3%
59.3%	194.1	194.4	0.2	0.1%
60.5%	194.1	194.0	-0.1	0.0%
61.7%	193.7	193.6	-0.1	-0.1%
63.0%	193.4	193.5	0.1	0.0%
64.2%	193.2	193.2	0.0	0.0%
65.4%	192.8	192.9	0.2	0.1%
66.7%	192.6	192.6	0.0	0.0%
67.9%	192.3	192.6	0.3	0.1%
69.1%	191.3	192.0	0.7	0.4%
70.4%	191.1	191.9	0.8	0.4%
71.6%	190.3	191.9	1.6	0.8%
72.8%	190.2	191.8	1.6	0.8%
74.1%	190.2	190.7	0.5	0.2%
75.3%	190.0	190.2	0.2	0.1%
76.5%	190.0	190.2	0.2	0.1%
77.8%	189.1	190.0	0.9	0.5%
79.0%	188.7	189.8	1.1	0.6%
80.2%	188.2	188.3	0.1	0.0%
81.5%	188.2	188.1	-0.1	0.0%
82.7%	188.1	188.1	0.0	0.0%
84.0%	188.0	187.8	-0.1	-0.1%
85.2%	187.4	187.8	0.3	0.2%
86.4%	187.3	187.4	0.2	0.1%
87.7%	187.1	187.1	0.0	0.0%
88.9%	187.0	187.1	0.1	0.1%
90.1%	187.0	187.		

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project		DCR 2015 With Project	
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	282.7	282.7	2.9	1.0%
1.2%	268.1	272.0	3.9	1.5%
2.5%	264.4	265.3	0.9	0.4%
3.7%	254.7	254.7	0.9	0.3%
4.9%	252.7	253.3	0.6	0.2%
6.2%	251.5	253.1	1.6	0.6%
7.4%	250.8	250.6	-0.1	-0.1%
8.6%	250.1	249.6	-0.5	-0.2%
9.9%	248.6	249.4	0.8	0.3%
11.1%	247.0	248.2	2.2	0.9%
12.3%	242.1	243.5	1.4	0.6%
13.6%	242.0	242.5	0.5	0.2%
14.8%	241.8	242.5	0.7	0.3%
16.0%	241.8	242.5	0.7	0.3%
17.3%	241.7	242.4	0.7	0.3%
18.5%	240.8	241.5	0.7	0.3%
19.8%	240.4	241.3	0.9	0.4%
21.0%	239.6	241.0	1.5	0.6%
22.2%	238.2	240.8	2.7	1.1%
23.5%	237.4	239.1	1.7	0.7%
24.7%	237.0	239.0	1.9	0.8%
25.9%	237.0	237.0	0.9	0.4%
27.2%	236.9	237.7	0.9	0.4%
28.4%	236.4	237.5	1.1	0.5%
29.6%	235.7	236.9	1.2	0.5%
30.9%	234.2	236.0	1.9	0.8%
32.1%	234.1	234.1	0.1	0.0%
33.3%	233.5	233.7	0.2	0.1%
34.5%	230.9	232.7	1.7	0.8%
35.8%	230.5	231.0	0.5	0.2%
37.0%	228.0	229.1	1.1	0.5%
38.3%	227.9	228.8	1.0	0.4%
39.5%	226.6	227.0	0.4	0.2%
40.7%	226.6	226.7	0.1	0.0%
42.0%	225.8	225.8	0.6	0.3%
43.2%	225.6	225.8	0.2	0.1%
44.4%	225.2	225.8	0.5	0.2%
45.7%	225.0	225.3	0.4	0.2%
46.9%	221.8	225.3	3.5	1.6%
48.1%	221.4	223.1	1.7	0.8%
49.4%	221.3	222.8	1.5	0.7%
50.6%	220.9	222.4	1.5	0.7%
51.9%	220.5	222.2	1.8	0.8%
53.1%	220.1	222.6	1.5	0.7%
54.3%	220.0	220.4	0.4	0.2%
55.6%	218.5	218.9	0.4	0.2%
56.8%	217.1	217.9	0.8	0.4%
58.0%	216.6	216.2	-0.4	-0.2%
59.3%	216.3	215.9	-0.3	-0.2%
60.5%	215.7	215.9	0.3	0.1%
61.7%	215.5	215.7	0.3	0.1%
63.0%	215.4	215.5	0.1	0.0%
64.2%	215.4	215.0	-0.4	-0.2%
65.4%	213.7	213.8	0.1	0.0%
66.7%	213.7	213.4	-0.2	-0.1%
67.9%	213.6	213.3	-0.3	-0.1%
69.1%	213.2	213.2	-0.1	0.0%
70.4%	212.7	212.9	0.1	0.1%
71.6%	212.4	212.8	0.4	0.2%
72.8%	211.7	212.1	0.4	0.2%
74.1%	211.5	211.8	0.3	0.1%
75.3%	211.1	211.5	0.3	0.2%
76.5%	209.7	211.1	1.4	0.7%
77.8%	209.5	209.8	0.3	0.1%
79.0%	209.4	209.6	0.2	0.1%
80.2%	209.2	209.8	0.3	0.1%
81.5%	208.9	209.4	0.4	0.2%
82.7%	208.9	209.2	0.3	0.1%
84.0%	207.0	207.3	0.3	0.1%
85.2%	206.8	206.9	0.1	0.1%
86.4%	206.3	206.8	0.5	0.3%
87.7%	204.5	204.5	0.0	0.0%
88.9%	203.4	204.4	1.0	0.5%
90.1%	203.4	203.9	0.5	0.3%
91.4%	203.3	203.4	0.0	0.0%
92.6%	202.1	202.6	0.5	0.3%
93.8%	202.0	202.1	0.1	0.0%
95.1%	201.9	201.9	0.1	0.0%
96.3%	200.3	200.9	0.7	0.3%
97.5%	198.9	199.7	0.8	0.4%
98.8%	197.5	197.8	0.3	0.2%
100.0%	196.0	195.4	-0.6	-0.3%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project		DCR 2015 With Project	
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	251.5	254.2	2.8	1.1%
1.2%	250.6	251.5	1.0	0.4%
2.5%	249.1	250.7	1.6	0.6%
3.7%	243.7	247.0	3.3	1.7%
4.9%	241.6	244.5	2.9	1.2%
6.2%	240.3	241.1	0.9	0.4%
7.4%	239.4	240.6	1.2	0.5%
8.6%	236.8	239.8	3.0	1.3%
9.9%	236.8	239.8	2.0	0.9%
11.1%	235.6	237.6	2.0	0.8%
12.3%	234.4	236.9	2.5	1.1%
13.6%	234.4	236.5	2.1	0.9%
14.8%	233.1	236.4	3.3	1.4%
16.0%	232.1	234.0	1.8	0.8%
17.3%	231.4	233.5	2.1	0.9%
18.5%	230.8	233.5	2.7	1.0%
19.8%	230.8	233.1	2.2	1.0%
21.0%	230.2	232.2	2.0	0.9%
22.2%	230.2	231.6	1.4	0.6%
23.5%	230.2	231.5	1.3	0.6%
24.7%	229.9	230.9	1.0	0.4%
25.9%	229.9	229.9	0.0	0.0%
27.2%	225.3	225.4	0.1	0.0%
28.4%	224.6	225.2	0.5	0.2%
29.6%	222.8	223.8	1.0	0.5%
30.9%	222.6	223.1	0.5	0.2%
32.1%	220.3	220.2	-0.1	0.0%
33.3%	219.4	219.5	0.1	0.0%
34.5%	218.1	218.7	0.6	0.3%
35.8%	217.9	218.5	0.6	0.3%
37.0%	217.3	218.2	0.9	0.4%
38.3%	217.0	218.1	1.2	0.5%
39.5%	216.9	218.0	1.2	0.5%
40.7%	216.8	217.1	0.2	0.1%
42.0%	216.5	217.0	0.5	0.2%
43.2%	216.2	216.8	0.6	0.3%
44.4%	215.6	216.1	0.4	0.2%
45.7%	215.6	216.1	0.5	0.2%
46.9%	215.4	215.7	0.3	0.1%
48.1%	214.8	215.5	0.7	0.3%
49.4%	214.6	215.4	0.7	0.3%
50.6%	213.5	214.6	1.1	0.5%
51.9%	212.6	213.4	0.8	0.4%
53.1%	212.0	212.2	0.1	0.1%
54.3%	211.5	212.1	0.7	0.3%
55.6%	211.0	211.3	0.4	0.2%
56.8%	209.6	210.7	1.1	0.5%
58.0%	209.6	210.6	1.0	0.5%
59.3%	209.3	209.7	0.4	0.2%
60.5%	208.9	209.6	0.7	0.3%
61.7%	208.4	209.4	0.9	0.4%
63.0%	208.2	209.3	1.1	0.5%
64.2%	207.4	208.6	1.2	0.6%
65.4%	207.4	208.1	0.8	0.4%
66.7%	206.9	207.7	0.7	0.4%
67.9%	206.9	207.6	0.7	0.4%
69.1%	206.8	207.3	0.5	0.2%
70.4%	206.3	206.9	0.6	0.3%
71.6%	206.2	206.9	0.7	0.3%
72.8%	206.0	206.7	0.7	0.3%
74.1%	204.9	206.4	1.5	0.7%
75.3%	204.9	204.5	-0.3	-0.2%
76.5%	204.2	204.0	-0.1	-0.1%
77.8%	203.4	203.6	0.2	0.1%
79.0%	203.3	203.5	0.2	0.1%
80.2%	203.2	203.4	0.2	0.1%
81.5%	202.3	203.2	0.9	0.5%
82.7%	202.3	203.1	0.8	0.4%
84.0%	202.2	202.7	0.6	0.3%
85.2%	202.0	202.5	0.5	0.2%
86.4%	201.8	202.2	0.5	0.2%
87.7%	201.5	201.9	0.4	0.2%
88.9%	201.3	201.6	0.3	0.1%
90.1%	200.0	199.9	-0.1	-0.1%
91.4%	200.0	199.9	-0.1	0.0%
92.6%	199.9	199.6	-0.3	-0.1%
93.8%	198.2	199.2	1.0	0.5%
95.1%	198.1	199.0	1.0	0.5%
96.3%	197.7	197.2	-0.5	-0.2%
97.5%	197.2	197.4	0.2	0.1%
98.8%	197.1	197.2	0.0	0.0%
100.0%	193.4	193.4	-0.1	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project		DCR 2015 With Project	
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	245.3	237.8	-7.5	-3.1%
1.2%	235.9	235.6	-0.3	-0.1%
2.5%	233.1	233.1	1.0	0.5%
3.7%	233.0	232.2	-0.7	-0.3%
4.9%	231.7	232.2	0.5	0.2%
6.2%	230.3	229.6	-0.7	-0.3%
7.4%	227.4	229.4	2.0	0.9%
8.6%	224.1	225.4	1.3	0.6%
9.9%	221.2	224.6	3.4	1.5%
11.1%	220.3	223.1	2.9	1.3%
12.3%	220.2	221.6	1.4	0.6%
13.6%	217.7	220.5	2.8	1.3%
14.8%	217.4	217.4	0.0	0.0%
16.0%	216.8	216.4	-0.4	-0.2%
17.3%	214.6	216.1	1.5	0.7%
18.5%	214.4	214.6	0.2	0.1%
19.8%	212.4	214.3	1.9	0.9%
21.0%	211.4	212.1	0.7	0.3%
22.2%	211.2	212.1	0.9	0.4%
23.5%	210.4	211.8	1.4	0.6%
24.7%	210.1	211.7	1.5	0.7%
25.9%	210.0	211.2	1.1	0.5%
27.2%	208.8	210.0	1.3	0.6%
28.4%	208.6	210.0	1.4	0.7%
29.6%	208.4	209.8	1.4	0.7%
30.9%	208.4	209.8	1.4	0.7%
32.1%	208.4	209.1	0.7	0.3%
33.3%	208.3	208.8	0.5	0.2%
34.5%	208.3	208.6	0.3	0.2%
35.8%	207.8	208.4	0.7	0.3%
37.0%	207.8	208.3	0.6	0.3%
38.3%	207.7	208.2	0.4	0.2%
39.5%	207.6	208.1	0.5	0.2%
40.7%	207.3	207.9	0.6	0.3%
42.0%	207.2	207.7	0.5	0.3%
43.2%	207.1	207.7	0.6	0.3%
44.4%	207.1	207.7	0.6	0.3%
45.7%	206.6	206.8	0.2	0.1%
46.9%	206.6	206.4	-0.2	-0.1%
48.1%	206.2	206.3	0.1	0.0%
49.4%	205.9	206.2	0.3	0.2%
50.6%	205.0	205.5	0.5	0.3%
51.9%	204.6	205.1	0.5	0.2%
53.1%	204.6	204.8	0.2	0.1%
54.3%	203.4	204.0	0.5	0.3%
55.6%	203.3	203.3	0.0	0.0%
56.8%	202.6	203.1	0.5	0.2%
58.0%	201.9	202.7	0.8	0.4%
59.3%	201.7	202.4	0.6	0.3%
60.5%	201.5	201.7	0.2	0.1%
61.7%	201.3	201.7	0.4	0.2%
63.0%	200.6	201.0	0.4	0.2%
64.2%	200.6	200.6	0.0	0.0%
65.4%	200.5	200.3	-0.2	-0.1%
66.7%	200.2	200.3	0.1	0.0%
67.9%	200.2	200.1	0.0	0.0%
69.1%	199.9	199.9	0.0	0.0%
70.4%	199.5	199.7	0.3	0.1%
71.6%	199.0	199.1	0.1	0.1%
72.8%	198.5	199.0	0.5	0.3%
74.1%	198.5	198.8	0.3	0.2%
75.3%	198.2	198.8	0.6	0.3%
76.5%	198.1	198.3	0.2	0.1%
77.8%	197.1	198.1	0.9	0.5%
79.0%	196.9	197.4	0.5	0.3%
80.2%	196.8	197.3	0.5	0.2%
81.5%	196.5	197.0	0.5	0.3%
82.7%	196.1	196.9	0.7	0.4%
84.0%	196.0	196.8	0.8	0.4%
85.2%	196.0	196.8	0.8	0.4%
86.4%	196.0	196.2	0.2	0.1%
87.7%	195.9	195.9	0.0	0.

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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	234.9	228.6	-6.3	-2.7%
1.2%	229.6	227.4	-2.2	-0.9%
2.5%	225.7	222.4	-3.3	-1.5%
3.7%	222.7	221.8	-0.4	-0.2%
4.9%	212.9	216.7	-5.2	-2.4%
6.2%	214.3	214.3	0.0	0.0%
7.4%	213.2	216.2	-2.0	-0.9%
8.6%	211.2	206.1	-5.1	-2.4%
9.9%	199.6	199.5	0.0	0.0%
11.1%	198.3	198.7	-0.1	-0.1%
12.3%	198.6	198.5	-0.1	-0.1%
13.6%	198.5	198.4	0.0	0.0%
14.8%	198.0	197.8	-0.2	-0.1%
16.0%	197.9	197.0	-1.0	-0.5%
17.3%	196.2	196.3	0.1	0.1%
18.5%	195.5	195.8	0.1	0.0%
19.8%	195.5	195.2	-0.3	-0.1%
21.0%	194.5	194.5	0.0	0.0%
22.2%	194.4	194.3	-0.1	0.0%
23.5%	194.2	194.2	0.0	0.0%
24.7%	194.0	194.0	0.0	0.0%
25.9%	193.7	193.3	-0.1	-0.1%
27.2%	193.5	193.6	0.2	0.1%
28.4%	193.4	193.4	0.0	0.0%
29.6%	193.4	193.4	0.0	0.0%
30.9%	193.4	193.4	0.0	0.0%
32.1%	193.3	193.3	0.0	0.0%
33.3%	193.3	193.3	0.1	0.0%
34.5%	193.2	193.3	0.1	0.1%
35.8%	193.0	193.1	0.1	0.1%
37.0%	192.8	193.1	0.2	0.1%
38.3%	192.6	192.9	0.3	0.2%
39.5%	192.5	192.8	0.2	0.1%
40.7%	192.2	192.5	0.3	0.2%
42.0%	192.1	192.3	0.2	0.1%
43.2%	192.1	192.2	0.1	0.1%
44.4%	192.0	192.1	0.2	0.1%
45.7%	192.0	192.0	0.0	0.0%
46.9%	191.8	192.0	0.1	0.1%
48.1%	191.7	191.9	0.2	0.1%
49.4%	191.7	191.8	0.1	0.1%
50.6%	191.7	191.6	0.0	0.0%
51.9%	191.6	191.5	-0.1	0.0%
53.1%	191.4	191.4	0.0	0.0%
54.3%	191.4	191.4	0.0	0.0%
55.6%	191.3	191.2	-0.1	-0.1%
56.8%	191.3	191.1	-0.2	-0.1%
58.0%	191.2	191.1	-0.1	0.0%
59.3%	191.1	191.1	0.0	0.0%
60.5%	191.0	191.0	0.0	0.0%
61.7%	191.0	190.9	-0.1	-0.1%
63.0%	190.8	190.8	0.0	0.0%
64.2%	190.8	190.8	0.0	0.0%
65.4%	190.7	190.7	0.0	0.0%
66.7%	190.7	190.5	-0.2	-0.1%
67.9%	190.6	190.4	-0.1	-0.1%
69.1%	190.5	190.3	-0.2	-0.1%
70.4%	190.4	190.3	-0.1	0.0%
71.6%	190.3	190.0	-0.2	-0.1%
72.8%	190.2	190.0	-0.2	-0.1%
74.1%	190.0	189.8	-0.2	-0.1%
75.3%	189.8	189.8	-0.1	0.0%
76.5%	189.6	189.7	0.1	0.0%
77.8%	189.5	189.5	0.0	0.0%
79.0%	189.5	189.5	-0.1	0.0%
80.2%	189.3	189.3	0.1	0.1%
81.5%	189.3	189.3	0.0	0.0%
82.7%	189.3	189.3	0.0	0.0%
84.0%	189.1	189.0	-0.2	-0.1%
85.2%	189.1	188.8	-0.3	-0.1%
86.4%	188.7	188.7	0.0	0.0%
87.7%	188.5	188.5	-0.1	0.0%
88.9%	188.4	188.5	0.1	0.0%
90.1%	188.3	188.3	0.0	0.0%
91.4%	188.3	188.3	0.0	0.0%
92.6%	188.2	188.2	0.0	0.0%
93.8%	187.7	187.6	0.0	0.0%
95.1%	187.1	187.1	0.0	0.0%
96.3%	186.8	186.7	-0.1	0.0%
97.5%	186.6	186.6	0.0	0.0%
98.8%	186.5	186.5	0.0	0.0%
100.0%	186.5	186.5	0.0	0.0%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	205.2	205.2	0.0	0.0%
1.2%	204.8	204.7	-0.1	-0.1%
2.5%	204.0	203.8	-0.2	-0.1%
3.7%	203.7	203.7	-1.3	-0.6%
4.9%	202.5	202.3	-0.2	-0.1%
6.2%	202.4	201.7	-0.7	-0.3%
7.4%	202.3	201.5	-0.8	-0.4%
8.6%	202.0	201.4	-0.5	-0.3%
9.9%	201.6	200.8	-0.8	-0.4%
11.1%	200.9	198.8	-2.1	-1.0%
12.3%	199.3	196.8	-2.5	-1.3%
13.6%	196.5	196.6	0.0	0.0%
14.8%	191.9	191.9	0.0	0.0%
16.0%	191.9	191.6	-0.3	-0.1%
17.3%	191.7	191.6	-0.1	-0.1%
18.5%	191.5	191.5	0.0	0.0%
19.8%	191.5	191.4	-0.1	-0.1%
21.0%	191.5	191.3	-0.1	-0.1%
22.2%	191.4	191.1	-0.3	-0.2%
23.5%	191.4	190.9	-0.5	-0.3%
24.7%	191.0	190.8	-0.1	-0.1%
25.9%	190.7	190.5	-0.4	-0.2%
27.2%	190.7	190.4	-0.2	-0.1%
28.4%	190.5	190.4	-0.1	-0.1%
29.6%	190.4	190.3	-0.2	-0.1%
30.9%	190.3	190.2	-0.1	-0.1%
32.1%	190.3	190.2	-0.1	0.0%
33.3%	190.2	190.1	-0.1	-0.1%
34.5%	190.2	190.1	-0.1	-0.1%
35.8%	190.1	190.0	-0.1	-0.1%
37.0%	190.1	190.0	-0.1	-0.1%
38.3%	190.1	189.8	-0.3	-0.1%
39.5%	189.8	189.7	-0.1	0.0%
40.7%	189.7	189.7	0.0	0.0%
42.0%	189.6	189.7	0.0	0.0%
43.2%	189.6	189.6	0.0	0.0%
44.4%	189.5	189.6	0.1	0.0%
45.7%	189.4	189.6	0.1	0.1%
46.9%	189.4	189.4	0.1	0.0%
48.1%	189.3	189.3	0.0	0.0%
49.4%	189.2	189.3	0.1	0.1%
50.6%	189.1	189.2	0.1	0.1%
51.9%	189.1	189.2	0.1	0.0%
53.1%	189.0	189.1	0.1	0.1%
54.3%	188.8	189.0	0.3	0.1%
55.6%	188.5	188.8	0.2	0.1%
56.8%	188.5	188.6	0.1	0.0%
58.0%	188.5	188.5	0.1	0.0%
59.3%	188.4	188.5	0.1	0.0%
60.5%	188.4	188.3	-0.1	-0.1%
61.7%	188.4	188.3	-0.1	0.0%
63.0%	188.3	188.3	0.0	0.0%
64.2%	188.2	188.2	0.0	0.0%
65.4%	188.1	188.2	0.1	0.0%
66.7%	188.1	188.2	0.1	0.0%
67.9%	188.1	188.2	0.1	0.0%
69.1%	188.1	188.1	0.0	0.0%
70.4%	188.1	188.1	0.0	0.0%
71.6%	188.0	188.1	0.0	0.0%
72.8%	188.0	188.1	0.0	0.0%
74.1%	188.0	188.0	0.0	0.0%
75.3%	187.9	188.0	0.1	0.0%
76.5%	187.9	187.9	0.0	0.0%
77.8%	187.8	187.8	0.0	0.0%
79.0%	187.7	187.8	0.1	0.1%
80.2%	187.6	187.7	0.0	0.0%
81.5%	187.6	187.6	0.0	0.0%
82.7%	187.6	187.6	-0.1	0.0%
84.0%	187.6	187.6	-0.1	0.0%
85.2%	187.5	187.5	0.1	0.0%
86.4%	187.5	187.5	0.0	0.0%
87.7%	187.4	187.4	0.0	0.0%
88.9%	187.3	187.4	0.1	0.1%
90.1%	187.2	187.2	0.0	0.0%
91.4%	187.1	187.1	0.0	0.0%
92.6%	187.1	187.1	0.0	0.0%
93.8%	186.6	186.5	-0.1	-0.1%
95.1%	186.4	186.2	-0.2	-0.1%
96.3%	186.3	187.1	0.8	0.4%
97.5%	186.3	185.9	-0.4	-0.2%
98.8%	185.8	185.8	0.0	0.0%
100.0%	185.7	185.8	0.1	0.1%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	200.5	199.4	-1.1	-0.6%
1.2%	199.9	198.9	-0.9	-0.5%
2.5%	199.8	198.9	-0.9	-0.5%
3.7%	199.0	198.2	-0.5	-0.3%
4.9%	198.3	197.8	-0.5	-0.3%
6.2%	198.0	197.8	-0.3	-0.1%
7.4%	197.1	197.1	0.0	0.0%
8.6%	196.6	197.1	0.5	0.2%
9.9%	196.5	196.3	-0.2	-0.1%
11.1%	196.6	196.3	-0.7	-0.4%
12.3%	195.1	195.6	0.6	0.3%
13.6%	193.4	194.7	1.3	0.7%
14.8%	190.7	191.1	0.4	0.2%
16.0%	190.5	190.4	-0.1	-0.1%
17.3%	190.3	190.3	0.0	0.0%
18.5%	190.3	190.0	-0.3	-0.2%
19.8%	190.1	189.6	-0.5	-0.3%
21.0%	189.9	189.5	-0.4	-0.2%
22.2%	189.6	189.3	-0.4	-0.2%
23.5%	189.5	189.3	-0.2	-0.1%
24.7%	189.4	189.2	-0.1	-0.1%
25.9%	189.4	189.2	-0.2	-0.1%
27.2%	189.2	189.2	-0.1	-0.1%
28.4%	189.3	189.2	-0.1	-0.1%
29.6%	189.2	189.1	-0.1	-0.1%
30.9%	189.2	188.9	-0.4	-0.2%
32.1%	189.2	188.9	-0.3	-0.2%
33.3%	189.1	188.9	-0.2	-0.1%
34.5%	189.0	188.8	-0.2	-0.1%
35.8%	189.0	188.8	-0.2	-0.1%
37.0%	188.9	188.8	-0.2	-0.1%
38.3%	188.9	188.7	-0.2	-0.1%
39.5%	188.9	188.7	-0.2	-0.1%
40.7%	188.9	188.7	-0.2	-0.1%
42.0%	188.8	188.6	-0.3	-0.1%
43.2%	188.8	188.5	-0.3	-0.1%
44.4%	188.8	188.5	-0.3	-0.1%
45.7%	188.8	188.5	-0.3	-0.1%
46.9%	188.7	188.4	-0.3	-0.2%
48.1%	188.5	188.4	-0.1	0.0%
49.4%	188.5	188.4	-0.1	-0.1%
50.6%	188.4	188.4	-0.1	-0.1%
51.9%	188.4	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%	188.2	188.3	0.0	0.0%
56.8%	188.2	188.3	0.0	0.0%
58.0%	188.2	188.2	0.0	0.0%
59.3%	188.2	188.2	0.1	0.0%
60.5%	188.2	188.2	0.1	0.0%
61.7%	188.1	188.2	0.1	0.0%
63.0%	188.0	188.1	0.0	0.0%
64.2%	188.0	188.1	0.0	0.0%
65.4%	188.0	188.0	0.0	0.0%
66.7%	188.0	188.0	0.0	0.0%
67.9%	187.9	187.9	0.0	0.0%
69.1%	187.9	187.9	0.0	0.0%
70.4%	187.8	187.9	0.0	0.0%
71.6%	187.8	187.8	0.0	0.0%
72.8%	187.8	187.8	0.0	0.0%
74.1%	187.8	187.7	0.0	0.0%
75.3%	187.7	187.7	0.0	0.0%
76.5%	187.7	187.7	0.0	0.0%
77.8%	187.7	187.6	-0.1	0.0%
79.0%	187.7	187.6	-0.1	0.0%
80.2%	187.6	187.6	0.0	0.0%
81.5%	187.6	187.6	-0.1	0.0%
82.7%	187.5	187.5	-0.1	0.0%
84.0%	187.5	187.5	0.0	0.0%
85.2%	187.5	187.5	0.0	0.0%
86.4%	187.5	187.5	0.0	0.0%
87.7%	187.4	187.4	0.0	0.0%
88.9%	187.4	187.4	0.0	0.0%

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
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	517.9	501.9	518.4	554.1	451.2	379.9	366.4	383.9	323.5	329.5	430.9	550.3
DCR 2015 With Project	509.4	474.4	511.2	559.0	449.8	380.4	368.5	385.1	324.7	329.0	436.2	559.2
Difference	-8.5	-27.5	-7.2	4.9	-1.4	0.4	2.1	1.1	1.1	-0.6	5.3	8.9
Percent Difference <sup>3</sup>	-1.7%	-5.5%	-1.4%	0.9%	-0.3%	0.1%	0.6%	0.3%	0.4%	-0.2%	1.2%	1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	287.6	273.0	283.5	426.4	390.3	325.4	264.0	291.6	281.9	264.3	319.3	450.7
DCR 2015 With Project	281.8	269.3	285.5	435.5	394.3	326.0	264.2	291.1	281.9	263.8	317.7	438.0
Difference	-5.8	-3.7	2.0	9.1	4.0	0.6	0.2	-0.6	0.0	-0.5	-1.6	-12.7
Percent Difference	-2.0%	-1.4%	0.7%	2.1%	1.0%	0.2%	0.1%	-0.2%	0.0%	-0.2%	-0.5%	-2.8%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	294.3	351.6	411.7	548.6	459.3	351.0	329.5	370.3	305.0	267.8	344.7	439.2
DCR 2015 With Project	289.5	353.6	410.9	588.7	465.7	352.1	329.9	370.5	304.8	267.2	339.1	424.2
Difference	-4.8	2.0	-0.7	40.1	6.4	1.1	0.4	0.2	-0.3	-0.6	-5.6	-15.0
Percent Difference	-1.6%	0.6%	-0.2%	7.3%	1.4%	0.3%	0.1%	0.1%	-0.1%	-0.2%	-1.6%	-3.4%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	720.9	676.4	635.5	610.9	462.9	381.7	367.3	410.8	313.3	305.4	446.4	680.5
DCR 2015 With Project	668.4	599.8	588.3	613.6	456.2	376.2	367.1	410.4	317.6	304.6	446.0	662.1
Difference	-52.4	-76.6	-47.2	2.7	-6.7	-5.5	-0.2	-0.4	4.2	-0.8	-0.4	-18.4
Percent Difference	-7.3%	-11.3%	-7.4%	0.4%	-1.4%	-1.4%	-0.1%	-0.1%	1.4%	-0.3%	-0.1%	-2.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	710.0	640.5	640.5	588.2	456.1	415.5	467.5	464.2	343.2	385.8	545.8	631.2
DCR 2015 With Project	704.6	631.7	679.9	593.4	460.6	418.5	471.2	465.5	343.2	393.1	572.6	666.9
Difference	-5.3	-8.7	39.4	5.3	4.5	3.0	3.6	1.4	0.0	7.4	26.8	35.7
Percent Difference	-0.8%	-1.4%	6.1%	0.9%	1.0%	0.7%	0.8%	0.3%	0.0%	1.9%	4.9%	5.7%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	715.5	736.7	814.3	719.3	554.5	471.8	472.8	446.0	414.5	476.6	568.3	604.3
DCR 2015 With Project	743.6	657.3	757.5	681.8	530.7	474.2	480.9	453.0	417.7	464.3	574.2	675.4
Difference	28.1	-79.4	-66.8	-37.5	-23.8	2.4	8.1	7.0	3.2	-12.3	5.9	71.1
Percent Difference	3.9%	-10.8%	-7.0%	-5.2%	-4.3%	0.5%	1.7%	1.6%	0.8%	-2.6%	1.0%	11.8%

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

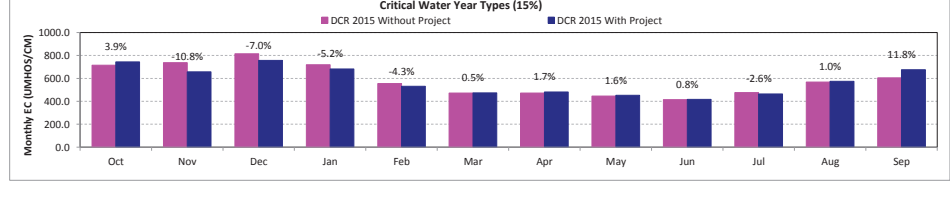
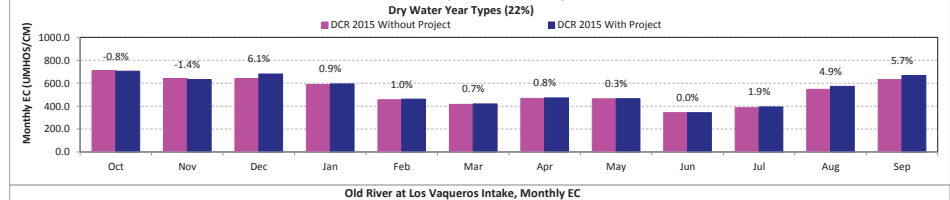
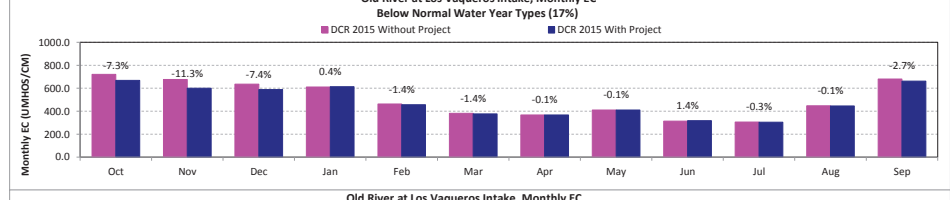
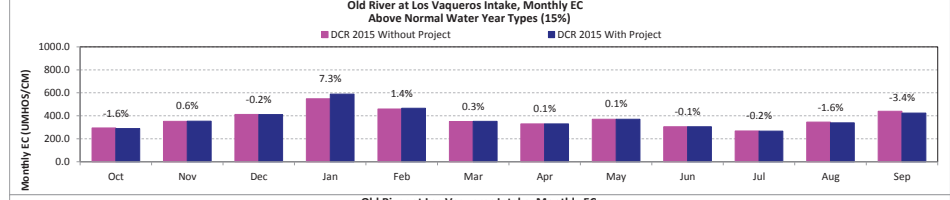
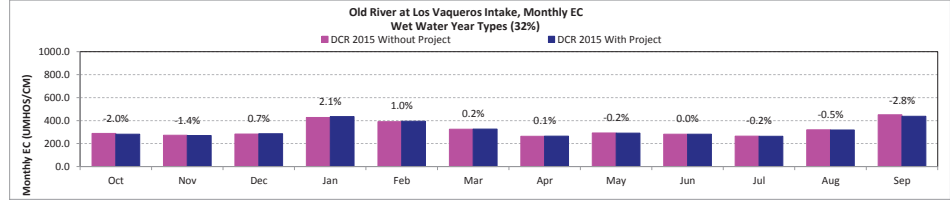
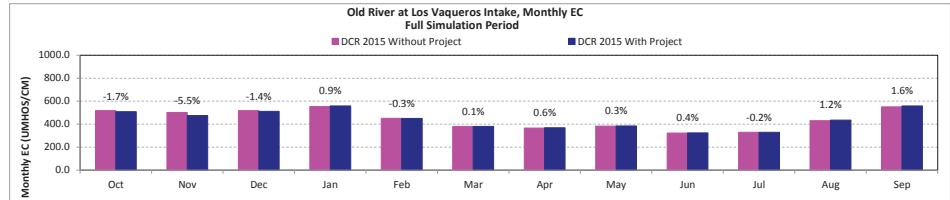


Figure SQ-29-b  
 Old River at Los Vaqueros Intake, Monthly EC  
 Probability of Exceedance

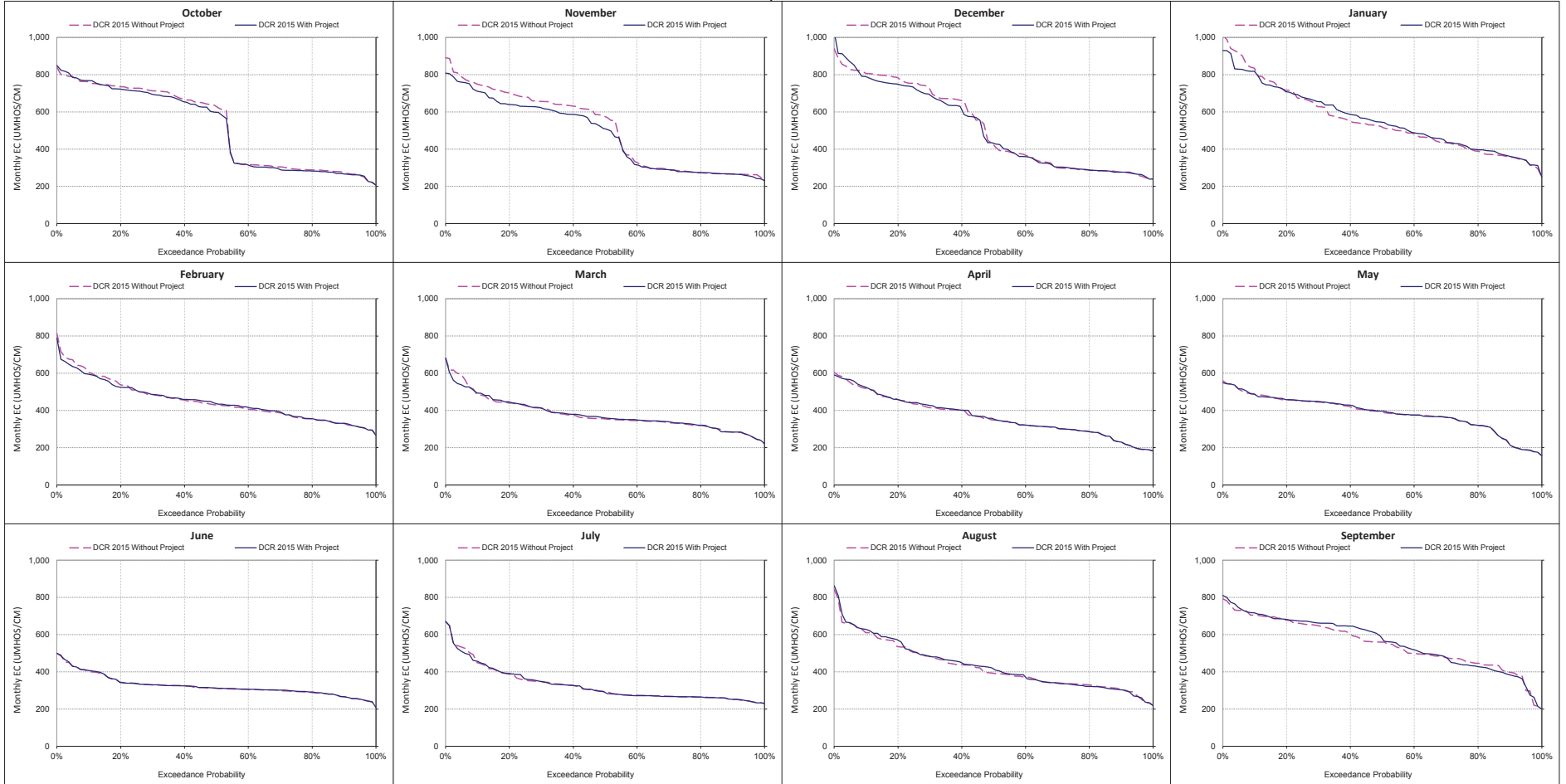


Table SQ-29-b  
Old River at Los Vaqueros Intake, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	840.0		9.7	1.2%	
1.2%	801.4	824.2	22.9	2.9%	
2.5%	786.8	819.8	20.8	2.6%	
3.7%	791.3	808.8	18.1	2.3%	
4.9%	788.8	786.1	-2.7	-0.3%	
6.2%	776.4	783.3	6.9	0.9%	
7.4%	763.9	770.6	6.7	0.9%	
8.6%	763.8	768.6	4.8	0.6%	
9.9%	762.5	768.0	5.4	0.7%	
11.1%	752.5	766.3	13.8	1.8%	
12.3%	751.5	754.0	2.6	0.3%	
13.6%	747.8	746.8	-1.0	-0.1%	
14.8%	747.2	744.8	-2.4	-0.3%	
16.0%	745.1	741.9	-3.2	-0.4%	
17.3%	740.3	724.4	-15.9	-2.1%	
18.5%	739.5	724.0	-15.5	-2.1%	
19.8%	735.5	723.3	-12.2	-1.7%	
21.0%	735.0	719.8	-15.2	-2.1%	
22.2%	728.2	717.7	-10.5	-1.4%	
23.5%	728.0	714.8	-13.3	-1.8%	
24.7%	727.4	712.1	-15.4	-2.1%	
25.9%	725.9	706.5	-20.2	-2.8%	
27.2%	724.0	707.3	-16.7	-2.3%	
28.4%	718.2	703.9	-14.3	-2.0%	
29.6%	713.7	695.4	-18.3	-2.6%	
30.9%	712.7	690.7	-22.1	-3.1%	
32.1%	711.9	690.2	-21.7	-3.0%	
33.3%	709.5	694.8	-14.6	-2.1%	
34.5%	707.9	682.8	-25.1	-3.5%	
35.8%	696.1	681.2	-14.9	-2.1%	
37.0%	686.0	674.8	-11.2	-1.6%	
38.3%	675.0	665.3	-9.7	-1.4%	
39.5%	669.7	655.1	-14.6	-2.2%	
40.7%	664.1	651.4	-12.7	-1.9%	
42.0%	663.7	641.7	-22.0	-3.3%	
43.2%	653.8	641.3	-12.5	-1.9%	
44.4%	652.6	628.2	-24.3	-3.7%	
45.7%	648.5	625.5	-23.0	-3.6%	
46.9%	642.7	625.2	-17.5	-2.7%	
48.1%	639.0	602.2	-36.8	-5.8%	
49.4%	635.7	598.1	-37.7	-5.9%	
50.6%	621.4	597.1	-24.3	-3.9%	
51.9%	611.0	579.5	-31.5	-5.2%	
53.1%	608.7	564.0	-44.7	-7.3%	
54.3%	379.3	382.9	3.7	1.0%	
55.6%	327.7	324.9	-2.8	-0.9%	
56.8%	322.6	322.1	-0.5	-0.2%	
58.0%	317.4	319.6	2.2	0.7%	
59.3%	317.0	318.3	1.3	0.4%	
60.5%	316.6	309.7	-6.9	-2.2%	
61.7%	315.3	305.0	-10.3	-3.3%	
63.0%	314.9	303.4	-11.5	-3.6%	
64.2%	311.7	302.6	-9.1	-2.9%	
65.4%	311.6	302.6	-9.1	-2.9%	
66.7%	310.5	300.9	-9.6	-3.1%	
67.9%	306.2	300.1	-6.1	-2.0%	
69.1%	304.5	295.5	-9.0	-3.0%	
70.4%	304.2	286.8	-17.4	-5.7%	
71.6%	301.0	286.7	-14.3	-4.7%	
72.8%	297.0	285.9	-11.1	-3.7%	
74.1%	294.0	285.6	-8.4	-2.8%	
75.3%	291.3	284.5	-6.8	-2.3%	
76.5%	290.0	284.4	-5.6	-1.9%	
77.8%	289.6	283.9	-5.7	-2.0%	
79.0%	288.8	282.9	-5.9	-2.0%	
80.2%	287.9	281.2	-6.1	-2.1%	
81.5%	287.3	281.2	-6.0	-2.1%	
82.7%	287.0	278.8	-8.2	-2.9%	
84.0%	284.4	278.5	-5.9	-2.1%	
85.2%	283.8	276.3	-7.5	-2.7%	
86.4%	280.6	276.0	-4.6	-1.6%	
87.7%	279.1	268.9	-10.2	-3.7%	
88.9%	278.8	268.7	-10.0	-3.6%	
90.1%	270.7	266.7	-4.0	-1.5%	
91.4%	268.2	264.3	-3.9	-1.4%	
92.6%	265.5	261.5	-4.0	-1.5%	
93.8%	265.4	261.3	-4.1	-1.6%	
95.1%	257.9	259.8	2.0	0.8%	
96.3%	279.1	258.9	-5.9	-2.1%	
97.5%	226.8	226.8	1.1	0.4%	
98.8%	220.3	221.6	1.4	0.6%	
100.0%	207.5	205.9	-1.6	-0.8%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	891.0	808.5	-82.5	-9.3%	
1.2%	886.7	805.9	-80.8	-9.1%	
2.5%	813.8	789.0	-24.9	-3.1%	
3.7%	809.7	783.7	-26.0	-3.2%	
4.9%	789.4	760.0	-29.4	-3.7%	
6.2%	774.1	757.1	-17.0	-2.2%	
7.4%	764.0	751.1	-13.0	-1.7%	
8.6%	760.0	722.8	-37.2	-4.9%	
9.9%	749.4	710.9	-38.5	-5.1%	
11.1%	743.4	706.5	-36.9	-5.0%	
12.3%	740.2	702.2	-38.0	-5.1%	
13.6%	733.8	675.7	-58.1	-7.9%	
14.8%	722.2	674.7	-47.5	-6.6%	
16.0%	719.0	666.4	-52.6	-7.3%	
17.3%	713.8	644.2	-69.6	-9.8%	
18.5%	706.0	644.2	-61.8	-8.8%	
19.8%	703.0	640.3	-62.8	-8.9%	
21.0%	695.5	638.4	-57.1	-8.2%	
22.2%	689.2	636.9	-52.3	-7.6%	
23.5%	682.9	629.7	-53.2	-7.8%	
24.7%	680.9	629.6	-51.2	-7.5%	
25.9%	672.5	629.0	-43.4	-6.4%	
27.2%	659.6	628.7	-30.9	-4.7%	
28.4%	658.7	627.2	-31.5	-4.8%	
29.6%	656.3	624.1	-32.2	-4.9%	
30.9%	655.7	617.6	-38.1	-5.8%	
32.1%	655.1	614.7	-40.4	-6.2%	
33.3%	646.6	608.5	-38.2	-5.9%	
34.5%	640.7	603.2	-37.5	-5.9%	
35.8%	639.8	593.5	-46.3	-7.2%	
37.0%	639.3	591.7	-47.6	-7.4%	
38.3%	635.2	587.0	-48.2	-7.6%	
39.5%	632.5	586.8	-45.8	-7.2%	
40.7%	629.1	586.2	-42.9	-6.8%	
42.0%	619.5	582.2	-37.3	-6.0%	
43.2%	616.7	578.8	-38.0	-6.2%	
44.4%	614.5	570.1	-44.4	-7.2%	
45.7%	613.8	538.9	-75.0	-12.2%	
46.9%	586.4	537.0	-49.4	-8.4%	
48.1%	584.5	525.9	-58.7	-10.0%	
49.4%	577.9	511.6	-66.3	-11.5%	
50.6%	570.5	505.6	-65.0	-11.4%	
51.9%	554.1	497.3	-56.8	-10.3%	
53.1%	553.9	465.9	-88.0	-15.9%	
54.3%	467.1	462.0	-5.0	-1.1%	
55.6%	399.2	396.2	-3.0	-0.8%	
56.8%	388.8	359.3	-29.4	-7.6%	
58.0%	366.5	345.2	-21.3	-5.8%	
59.3%	333.5	317.9	-15.6	-4.7%	
60.5%	324.0	313.7	-10.3	-3.2%	
61.7%	309.6	303.7	-5.9	-1.9%	
63.0%	305.9	302.8	-3.1	-1.0%	
64.2%	296.9	295.4	-1.4	-0.5%	
65.4%	296.6	295.0	-1.5	-0.5%	
66.7%	296.6	292.0	-4.6	-1.5%	
67.9%	296.2	291.1	-5.3	-1.8%	
69.1%	293.6	290.3	-3.2	-1.1%	
70.4%	286.5	289.1	2.6	0.9%	
71.6%	285.8	287.7	1.9	0.7%	
72.8%	284.9	279.6	-5.3	-1.9%	
74.1%	282.7	278.9	-3.8	-1.3%	
75.3%	281.0	278.4	-2.6	-0.9%	
76.5%	278.5	277.0	-1.5	-0.5%	
77.8%	274.0	275.7	1.7	0.6%	
79.0%	272.8	275.0	2.2	0.8%	
80.2%	272.8	273.6	0.8	0.3%	
81.5%	271.2	273.1	1.9	0.7%	
82.7%	270.4	272.8	2.4	0.9%	
84.0%	270.2	269.3	-0.9	-0.3%	
85.2%	269.0	267.9	-1.0	-0.4%	
86.4%	267.2	267.7	0.5	0.2%	
87.7%	265.8	267.5	1.6	0.6%	
88.9%	265.8	267.2	1.4	0.5%	
90.1%	265.6	265.8	0.1	0.1%	
91.4%	265.4	264.7	-0.7	-0.3%	
92.6%	264.6	263.7	-0.9	-0.4%	
93.8%	264.1	263.3	-0.8	-0.3%	
95.1%	262.8	266.5	3.7	1.4%	
96.3%	255.2	262.7	7.5	2.9%	
97.5%	262.4	242.4	-19.9	-7.6%	
98.8%	249.1	240.8	-8.3	-3.3%	
100.0%	229.1	230.7	1.5	0.7%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	939.1	1027.9	88.8	9.5%	
1.2%	888.7	913.9	25.2	2.8%	
2.5%	836.3	913.0	76.7	9.2%	
3.7%	806.7	891.3	84.6	10.5%	
4.9%	828.2	869.5	41.3	5.0%	
6.2%	824.5	852.9	28.4	3.4%	
7.4%	823.1	821.5	-1.6	-0.2%	
8.6%	821.3	790.8	-30.5	-3.7%	
9.9%	806.7	789.4	-17.4	-2.2%	
11.1%	806.0	782.0	-24.0	-3.0%	
12.3%	803.2	773.2	-30.0	-3.7%	
13.6%	799.2	766.2	-32.9	-4.1%	
14.8%	797.1	760.7	-36.4	-4.6%	
16.0%	796.3	757.6	-38.6	-4.9%	
17.3%	792.7	754.5	-38.2	-4.8%	
18.5%	788.6	750.9	-37.7	-4.8%	
19.8%	785.5	750.2	-35.3	-4.5%	
21.0%	771.0	743.7	-27.3	-3.5%	
22.2%	759.3	739.2	-20.1	-2.6%	
23.5%	754.0	739.0	-15.1	-2.0%	
24.7%	753.8	734.6	-19.2	-2.5%	
25.9%	747.4	715.4	-32.0	-4.3%	
27.2%	744.2	706.9	-37.3	-5.0%	
28.4%	741.7	699.1	-42.7	-5.8%	
29.6%	733.7	695.6	-38.1	-5.2%	
30.9%	693.5	679.6	-13.9	-2.0%	
32.1%	683.6	669.2	-14.5	-2.1%	
33.3%	672.5	661.3	-11.3	-1.7%	
34.5%	671.7	649.0	-22.8	-3.4%	
35.8%	671.4	636.0	-35.5	-5.3%	
37.0%	671.2	634.7	-36.5	-5.4%	
38.3%	667.2	634.4	-32.8	-4.9%	
39.5%	662.7	630.6	-32.1	-4.8%	
40.7%	658.6	596.4	-62.2	-11.0%	
42.0%	641.7	575.2	-66.5	-10.4%	
43.2%	591.5	574.8	-16.6	-2.8%	
44.4%	555.8	570.3	14.4	2.6%	
45.7%	555.4	554.7	-0.8	-0.1%	
46.9%	536.0	468.5	-67.5	-12.6%	
48.1%	445.6	435.2	-10.4	-2.3%	
49.4%	434.2	434.4	0.2	0.1%	
50.6%	409.6	427.5	17.9	4.4%	
51.9%	392.0	424.7	32.7	8.4%	
53.1%	389.4	401.7	12.2	3.1%	
54.3%	388.6	398.8	10.1	2.6%	
55.6%	381.1	384.3	3.2	0.8%	
56.8%	380.2	374.5	-5.7	-1.5%	
58.0%	376.0	361.0	-15.0	-4.0%	
59.3%	372.6	360.6	-12.0	-3.2%	
60.5%	363.6	358.5	-5.1	-1.4%	
61.7%	359.9	354.4	-5.5	-1.5%	
63.0%	342.9	342.5	-0.4	-0.1%	
64.2%	335.2	327.5	-7.8	-2.3%	
65.4					

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	813.7	789.2	-24.6	-3.0%
1.2%	717.3	675.1	-42.1	-5.9%
2.5%	630	592.9	-37.2	-5.9%
3.7%	647.8	649.1	1.3	0.2%
4.9%	672.3	636.4	-35.8	-5.3%
6.2%	643.4	629.2	-14.2	-2.2%
7.4%	640.2	615.4	-24.8	-3.9%
8.6%	631.7	598.3	-33.5	-5.3%
9.9%	605.6	595.4	-10.2	-1.7%
11.1%	597.5	590.0	-7.5	-1.3%
12.3%	585.0	584.2	-0.7	-0.1%
13.6%	584.4	570.5	-13.8	-2.4%
14.8%	583.1	566.5	-16.6	-2.9%
16.0%	571.9	557.8	-14.1	-2.5%
17.3%	564.4	538.8	-25.6	-4.4%
18.5%	557.6	529.2	-28.5	-5.1%
19.8%	538.7	525.5	-13.1	-2.4%
21.0%	533.2	524.2	-9.0	-1.7%
22.2%	531.8	522.9	-8.9	-1.7%
23.5%	510.1	522.5	12.3	2.4%
24.7%	509.6	509.3	-0.2	0.0%
25.9%	499.8	499.8	0.0	0.0%
27.2%	496.6	499.1	2.5	0.5%
28.4%	487.1	493.3	6.2	1.3%
29.6%	486.2	486.2	0.0	0.0%
30.9%	482.6	484.9	2.3	0.5%
32.1%	479.1	481.6	2.6	0.5%
33.3%	477.4	481.5	4.0	0.8%
34.5%	472.0	468.8	-3.2	-0.7%
35.8%	465.5	467.4	1.9	0.4%
37.0%	465.2	467.3	2.1	0.5%
38.3%	459.1	465.2	6.1	1.3%
39.5%	457.7	459.8	2.1	0.5%
40.7%	451.9	458.9	6.9	1.5%
42.0%	450.4	458.4	8.0	1.8%
43.2%	448.8	458.1	9.2	2.1%
44.4%	447.0	455.5	8.5	1.9%
45.7%	439.0	450.4	11.4	2.6%
46.9%	438.8	448.8	10.0	2.3%
48.1%	433.8	448.4	14.6	3.4%
49.4%	430.7	440.0	9.3	2.2%
50.6%	428.8	434.1	5.3	1.2%
51.9%	426.9	433.9	6.9	1.6%
53.1%	425.6	429.9	4.3	1.0%
54.3%	423.8	427.8	4.0	0.9%
55.6%	417.7	427.6	9.9	2.4%
56.8%	417.0	425.3	8.4	2.0%
58.0%	414.2	419.2	5.0	1.2%
59.3%	409.4	419.2	9.8	2.4%
60.5%	404.8	413.8	9.0	2.2%
61.7%	404.5	410.8	6.3	1.6%
63.0%	399.6	410.7	11.1	2.8%
64.2%	399.3	405.8	6.5	1.6%
65.4%	394.9	403.0	8.1	2.1%
66.7%	391.8	399.4	7.6	1.9%
67.9%	389.4	398.6	9.1	2.3%
69.1%	389.4	397.0	7.6	2.0%
70.4%	386.8	389.8	3.0	0.8%
71.6%	377.6	376.7	-1.0	-0.3%
72.8%	376.4	376.5	0.1	0.0%
74.1%	365.7	368.1	2.4	0.6%
75.3%	360.9	366.1	5.1	1.4%
76.5%	357.7	364.6	6.8	1.9%
77.8%	356.8	357.2	0.4	0.1%
79.0%	355.9	356.6	0.7	0.2%
80.2%	354.9	354.9	0.0	0.0%
81.5%	347.6	349.0	1.3	0.4%
82.7%	346.9	348.3	1.4	0.4%
84.0%	346.9	347.9	1.0	0.3%
85.2%	346.6	342.1	-4.6	-1.3%
86.4%	336.4	335.9	-0.6	-0.2%
87.7%	330.7	331.0	0.3	0.1%
88.9%	330.6	330.9	0.3	0.1%
90.1%	329.7	330.5	0.8	0.2%
91.4%	321.1	326.7	5.6	1.7%
92.6%	319.7	320.0	0.3	0.1%
93.8%	315.1	315.1	0.0	0.0%
95.1%	309.7	309.0	-0.8	-0.2%
96.3%	300.7	301.4	0.7	0.2%
97.5%	296.0	296.0	0.0	0.0%
98.8%	295.1	294.5	-0.7	-0.2%
100.0%	270.5	266.9	-3.6	-1.3%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	680.6	680.5	-0.1	0.0%
1.2%	617.6	604.4	-13.2	-2.1%
2.5%	616.5	591.3	-25.2	-4.1%
3.7%	599.2	545.0	-54.2	-9.1%
4.9%	592.3	537.6	-54.7	-9.2%
6.2%	562.9	526.7	-36.2	-6.4%
7.4%	522.9	526.2	3.3	0.6%
8.6%	515.6	510.5	-5.1	-1.0%
9.9%	485.0	483.2	-1.8	-0.4%
11.1%	483.0	482.3	-0.7	-0.1%
12.3%	477.4	481.5	4.1	0.9%
13.6%	460.0	481.3	21.3	4.6%
14.8%	455.0	458.2	3.2	0.7%
16.0%	445.6	457.3	11.6	2.6%
17.3%	445.3	454.9	9.6	2.2%
18.5%	444.9	447.1	2.1	0.5%
19.8%	440.3	446.3	6.0	1.4%
21.0%	439.0	441.1	2.1	0.5%
22.2%	435.5	437.9	2.4	0.5%
23.5%	433.1	433.7	0.6	0.1%
24.7%	426.5	432.8	6.3	1.5%
25.9%	422.9	422.9	0.0	0.0%
27.2%	415.3	417.0	1.6	0.4%
28.4%	414.3	416.5	2.2	0.5%
29.6%	413.0	414.9	1.9	0.5%
30.9%	412.0	407.2	-4.8	-1.2%
32.1%	404.8	396.5	-8.3	-2.1%
33.3%	399.6	380.2	-19.4	-4.9%
34.5%	397.3	387.5	-10.0	-2.5%
35.8%	382.0	387.1	5.0	1.3%
37.0%	380.6	385.0	4.4	1.2%
38.3%	376.2	380.4	4.2	1.1%
39.5%	375.7	379.6	3.9	1.0%
40.7%	372.7	378.9	6.2	1.7%
42.0%	373.5	376.8	3.3	0.9%
43.2%	360.7	372.3	11.6	3.2%
44.4%	359.3	368.7	9.4	2.6%
45.7%	357.4	368.6	11.2	3.1%
46.9%	356.7	367.6	10.9	3.1%
48.1%	356.3	365.0	8.7	2.4%
49.4%	352.2	360.4	8.2	2.3%
50.6%	353.7	358.3	4.6	1.3%
51.9%	352.1	356.1	4.0	1.1%
53.1%	350.3	355.5	5.2	1.5%
54.3%	350.1	352.8	2.7	0.8%
55.6%	348.6	352.8	4.2	1.2%
56.8%	348.3	351.6	3.4	1.0%
58.0%	346.2	351.6	5.3	1.5%
59.3%	345.7	350.7	5.0	1.5%
60.5%	344.9	348.6	3.8	1.1%
61.7%	344.2	346.9	2.8	0.8%
63.0%	342.2	344.9	2.8	0.8%
64.2%	342.0	344.3	2.4	0.7%
65.4%	341.4	344.2	2.8	0.8%
66.7%	340.8	343.6	2.8	0.8%
67.9%	340.1	340.6	0.6	0.2%
69.1%	336.9	340.3	3.4	1.0%
70.4%	333.7	338.0	4.3	1.3%
71.6%	332.5	333.2	0.7	0.2%
72.8%	331.5	332.4	0.8	0.3%
74.1%	330.8	332.0	1.2	0.4%
75.3%	326.7	330.3	3.6	1.1%
76.5%	324.3	327.9	3.6	1.1%
77.8%	320.0	325.1	5.1	1.6%
79.0%	319.9	320.5	0.6	0.2%
80.2%	319.9	320.5	0.6	0.2%
81.5%	315.4	319.7	4.3	1.4%
82.7%	309.9	310.0	0.1	0.0%
84.0%	304.7	304.8	0.1	0.0%
85.2%	302.8	303.0	0.2	0.1%
86.4%	297.8	295.9	-1.9	-0.6%
87.7%	295.8	295.8	0.0	0.0%
88.9%	284.0	285.4	1.4	0.5%
90.1%	283.8	284.5	0.7	0.3%
91.4%	283.1	284.1	1.0	0.3%
92.6%	281.6	283.7	2.1	0.8%
93.8%	274.1	274.2	0.1	0.0%
95.1%	268.4	268.7	0.3	0.1%
96.3%	268.3	268.6	0.3	0.1%
97.5%	245.1	245.1	0.0	0.0%
98.8%	240.1	239.7	-0.4	-0.2%
100.0%	220.6	221.0	0.4	0.2%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	604.9	590.5	-14.4	-2.4%
1.2%	588.7	581.9	-6.8	-1.2%
2.5%	592.0	571.8	-20.1	-3.4%
3.7%	568.3	568.4	0.1	0.0%
4.9%	551.1	566.2	15.1	2.7%
6.2%	535.6	558.1	22.6	4.2%
7.4%	533.7	540.6	6.9	1.3%
8.6%	522.8	532.8	9.9	1.9%
9.9%	519.0	524.3	5.3	1.0%
11.1%	509.1	514.8	5.6	1.1%
12.3%	509.8	506.8	-2.9	-0.6%
13.6%	485.8	488.1	2.3	0.5%
14.8%	475.2	483.3	8.1	1.7%
16.0%	474.1	475.9	1.8	0.4%
17.3%	468.9	470.6	1.6	0.3%
18.5%	468.9	461.2	-7.7	-1.6%
19.8%	460.3	459.2	-1.1	-0.2%
21.0%	453.0	453.4	0.5	0.1%
22.2%	452.5	447.3	-5.2	-1.2%
23.5%	446.4	442.3	-4.1	-0.9%
24.7%	435.8	442.1	6.3	1.4%
25.9%	433.5	431.7	-1.8	-0.4%
27.2%	426.6	434.9	8.3	1.9%
28.4%	422.0	432.0	10.0	2.4%
29.6%	415.5	428.2	12.7	3.1%
30.9%	413.9	424.9	11.0	2.7%
32.1%	412.8	415.9	3.1	0.7%
33.3%	407.8	415.0	7.3	1.8%
34.5%	406.1	412.8	6.7	1.7%
35.8%	404.9	409.9	5.0	1.2%
37.0%	403.3	407.9	4.7	1.2%
38.3%	402.9	405.6	2.7	0.7%
39.5%	401.6	402.1	0.6	0.1%
40.7%	400.7	401.6	0.9	0.2%
42.0%	376.4	378.9	2.4	0.6%
43.2%	370.2	371.9	1.7	0.4%
44.4%	368.7	370.7	2.0	0.6%
45.7%	366.6	368.7	2.1	0.6%
46.9%	358.0	368.0	10.0	2.8%
48.1%	357.9	358.2	0.3	0.1%
49.4%	349.4	357.7	8.3	2.4%
50.6%	348.7	348.9	0.1	0.0%
51.9%	344.9	345.1	0.2	0.1%
53.1%	341.6	342.6	1.0	0.3%
54.3%	340.9	340.1	-0.8	-0.2%
55.6%	334.1	334.9	0.7	0.2%
56.8%	333.9	333.9	0.0	0.0%
58.0%	322.2	322.4	0.2	0.1%
59.3%	321.9	322.2	0.3	0.1%
60.5%	320.0	320.7	0.6	0.2%
61.7%	318.2	318.2	0.0	0.0%
63.0%	316.2	316.4	0.2	0.1%
64.2%	315.6	316.0	0.4	0.1%
65.4%	313.7	314.2	0.6	0.2%
66.7%	312.5	312.5	0.0	0.0%
67.9%	311.6	311.6	0.0	0.0%
69.1%	311.3	311.3	0.0	0.0%
70.4%	302.6	303.2	0.6	0.2%
71.6%	300.9	301.6	0.7	0.2%
72.8%	299.3	299.2	-0.1	0.0%
74.1%	297.9	298.0	0.1	0.0%
75.3%	297.2	297.3	0.1	0.0%
76.5%	291.9	292.0	0.1	0.0%
77.8%	290.2	289.9	-0.3	-0.1%
79.0%	288.5	289.7	1.3	0.4%
80.2%	285.2	285.2	0.0	0.0%
81.5%	282.7	282.6	-0.1	0.0%
82.7%	282.5	281.8	-0.7	-0.3%
84.0%	270.6	270.5	-0.1	-0.1%
85.2%	261.8	261.9	0.1	0.0%
86.4%	261.7	261.7	0.0	0.0%



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

Percent Exceedance Probability (%)	June			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	498.1	500.3	2.2	0.4%
1.2%	490.8	485.6	-5.1	-1.0%
2.5%	451.9	468.2	16.3	3.2%
3.7%	450.2	454.2	4.0	0.8%
4.9%	429.7	430.1	0.3	0.1%
6.2%	426.7	426.3	-0.4	-0.1%
7.4%	412.4	412.4	0.0	0.0%
8.6%	410.3	411.7	1.4	0.3%
9.9%	400.6	407.1	6.5	1.6%
11.1%	399.5	404.0	4.4	1.1%
12.3%	397.0	401.8	4.8	1.2%
13.6%	392.2	396.9	4.7	1.2%
14.8%	386.5	386.9	0.4	0.1%
16.0%	369.5	368.4	-1.1	-0.3%
17.3%	360.6	363.2	2.6	0.7%
18.5%	357.5	359.5	2.0	0.6%
19.8%	344.0	343.5	-0.5	-0.1%
21.0%	342.1	339.5	-2.7	-0.8%
22.2%	339.6	339.1	-0.6	-0.2%
23.5%	339.5	338.5	-1.0	-0.3%
24.7%	336.1	338.0	1.9	0.6%
25.9%	336.0	337.8	1.8	0.5%
27.2%	331.6	332.8	1.2	0.4%
28.4%	331.5	331.0	-0.4	-0.1%
29.6%	330.2	330.8	0.6	0.2%
30.9%	328.6	330.0	1.4	0.4%
32.1%	328.5	329.8	1.3	0.4%
33.3%	327.8	327.8	-0.1	0.0%
34.5%	327.0	328.5	1.4	0.4%
35.8%	326.4	326.0	-0.3	-0.1%
37.0%	325.8	325.8	0.0	0.0%
38.3%	325.4	325.6	0.2	0.1%
39.5%	323.9	324.9	0.9	0.3%
40.7%	323.1	324.8	1.6	0.5%
42.0%	321.7	323.3	1.5	0.5%
43.2%	315.8	321.1	5.3	1.7%
44.4%	315.4	315.4	0.0	0.0%
45.7%	315.1	315.4	0.3	0.1%
46.9%	313.0	315.3	2.3	0.7%
48.1%	312.9	314.0	1.2	0.4%
49.4%	312.0	313.0	1.0	0.3%
50.6%	310.5	311.6	1.1	0.4%
51.9%	310.1	311.4	1.3	0.4%
53.1%	308.6	310.6	1.9	0.6%
54.3%	308.2	310.3	2.1	0.7%
55.6%	307.3	310.1	2.8	0.9%
56.8%	307.1	307.7	0.6	0.2%
58.0%	306.0	307.5	1.6	0.5%
59.3%	305.3	307.3	1.9	0.6%
60.5%	304.9	305.9	1.0	0.3%
61.7%	304.9	305.4	0.5	0.2%
63.0%	304.0	304.8	0.8	0.3%
64.2%	303.4	303.3	-0.2	-0.1%
65.4%	302.8	303.0	0.2	0.1%
66.7%	302.5	303.0	0.5	0.2%
67.9%	302.5	302.4	-0.1	0.0%
69.1%	301.8	302.1	0.4	0.1%
70.4%	297.9	301.7	3.8	1.3%
71.6%	297.6	301.2	3.6	1.2%
72.8%	296.5	298.3	1.8	0.6%
74.1%	294.5	297.5	3.0	1.0%
75.3%	294.0	295.0	1.0	0.3%
76.5%	293.1	294.5	1.4	0.5%
77.8%	291.6	294.5	2.9	1.0%
79.0%	290.7	292.0	1.3	0.4%
80.2%	287.5	291.2	3.6	1.3%
81.5%	286.4	287.4	1.0	0.3%
82.7%	286.4	287.1	0.7	0.3%
84.0%	283.3	282.5	-0.8	-0.3%
85.2%	280.7	280.5	-0.2	-0.1%
86.4%	280.4	280.4	0.0	0.0%
87.7%	275.4	277.4	2.0	0.7%
88.9%	266.9	267.4	0.5	0.2%
90.1%	266.1	266.4	0.2	0.1%
91.4%	261.2	261.3	0.1	0.0%
92.6%	255.8	256.1	0.3	0.1%
93.8%	255.4	255.8	0.4	0.1%
95.1%	252.2	252.4	0.2	0.1%
96.3%	247.4	247.6	0.1	0.0%
97.5%	241.8	243.3	1.5	0.6%
98.8%	238.7	238.9	0.1	0.1%
100.0%	210.1	208.9	-1.1	-0.5%

Percent Exceedance Probability (%)	July			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	668.7	671.0	2.3	0.3%
1.2%	648.8	646.3	-2.5	-0.4%
2.5%	549.2	554.1	5.0	0.9%
3.7%	541.0	525.6	-15.4	-2.8%
4.9%	533.0	510.5	-22.5	-4.2%
6.2%	525.6	498.4	-27.2	-5.2%
7.4%	504.1	492.7	-11.5	-2.3%
8.6%	492.8	461.1	-31.7	-6.4%
9.9%	449.1	457.1	8.0	1.8%
11.1%	443.1	446.8	3.7	0.8%
12.3%	434.8	441.8	7.0	1.6%
13.6%	416.5	422.9	6.4	1.5%
14.8%	415.7	418.7	2.9	0.7%
16.0%	406.3	409.0	2.7	0.7%
17.3%	394.5	398.1	3.6	0.9%
18.5%	392.5	393.0	0.5	0.1%
19.8%	391.6	389.0	-2.6	-0.7%
21.0%	390.0	388.5	-1.4	-0.4%
22.2%	367.6	385.6	18.0	4.9%
23.5%	360.4	385.5	25.1	7.0%
24.7%	358.8	362.6	3.7	1.0%
25.9%	358.1	359.0	0.9	0.3%
27.2%	351.2	357.5	6.3	1.8%
28.4%	349.5	353.2	3.7	1.1%
29.6%	349.4	348.9	-0.5	-0.1%
30.9%	344.3	346.3	2.0	0.6%
32.1%	343.3	339.7	-3.6	-1.1%
33.3%	338.1	333.7	-4.4	-1.3%
34.5%	334.6	332.4	-2.2	-0.7%
35.8%	334.3	331.5	-2.8	-0.8%
37.0%	330.7	330.7	0.0	0.0%
38.3%	328.9	328.9	0.0	0.0%
39.5%	327.9	326.8	-1.1	-0.3%
40.7%	324.3	324.9	0.6	0.2%
42.0%	317.0	324.3	7.3	2.3%
43.2%	306.8	309.2	2.4	0.8%
44.4%	306.8	306.5	-0.3	-0.1%
45.7%	303.8	306.2	2.4	0.8%
46.9%	301.6	299.0	-2.6	-0.9%
48.1%	297.5	296.3	-1.2	-0.4%
49.4%	294.2	294.0	-0.2	-0.1%
50.6%	294.1	282.8	-11.3	-3.9%
51.9%	285.1	281.3	-3.8	-1.3%
53.1%	281.4	280.0	-1.4	-0.5%
54.3%	279.4	278.4	-1.0	-0.4%
55.6%	276.4	276.5	0.1	0.0%
56.8%	275.7	274.9	-0.8	-0.3%
58.0%	275.1	272.7	-2.4	-0.9%
59.3%	274.2	272.3	-1.9	-0.7%
60.5%	273.6	271.9	-1.6	-0.6%
61.7%	273.2	271.7	-1.5	-0.6%
63.0%	272.5	271.4	-1.1	-0.4%
64.2%	272.3	271.4	-0.9	-0.3%
65.4%	270.6	270.3	-0.3	-0.1%
66.7%	270.5	269.8	-0.6	-0.2%
67.9%	270.1	268.0	-2.1	-0.8%
69.1%	268.5	267.8	-0.7	-0.3%
70.4%	268.2	267.7	-0.5	-0.2%
71.6%	267.3	267.4	0.2	0.1%
72.8%	267.0	265.9	-1.1	-0.4%
74.1%	266.2	265.8	-0.4	-0.2%
75.3%	265.4	265.7	0.3	0.1%
76.5%	265.4	265.4	0.0	0.0%
77.8%	264.6	265.3	0.8	0.3%
79.0%	264.3	264.5	0.2	0.1%
80.2%	264.2	264.3	0.1	0.0%
81.5%	263.6	262.0	-1.6	-0.6%
82.7%	262.1	261.6	-0.6	-0.2%
84.0%	261.9	261.5	-0.4	-0.2%
85.2%	261.5	260.8	-0.7	-0.3%
86.4%	260.0	260.3	0.3	0.1%
87.7%	259.3	259.3	0.0	0.0%
88.9%	252.4	252.6	0.2	0.1%
90.1%	251.8	251.9	0.1	0.0%
91.4%	251.2	251.1	-0.1	0.0%
92.6%	247.0	250.4	3.4	1.4%
93.8%	246.6	246.6	0.0	0.0%
95.1%	245.0	242.6	-2.4	-0.2%
96.3%	238.7	238.7	0.0	0.0%
97.5%	235.2	233.5	-1.6	-0.7%
98.8%	233.9	233.2	-0.7	-0.3%
100.0%	229.8	230.1	0.3	0.1%

Percent Exceedance Probability (%)	August			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	841.9	862.6	20.6	2.5%
1.2%	791.9	809.4	17.5	2.2%
2.5%	654.2	708.6	43.2	6.5%
3.7%	661.4	681.1	19.7	3.0%
4.9%	660.5	664.3	3.8	0.6%
6.2%	653.2	652.3	-0.9	-0.1%
7.4%	632.4	637.6	5.2	0.8%
8.6%	629.3	631.1	1.8	0.3%
9.9%	610.2	628.4	18.2	3.0%
11.1%	610.0	621.9	11.9	1.9%
12.3%	603.4	607.4	4.0	0.7%
13.6%	582.0	606.4	24.4	4.2%
14.8%	575.6	588.9	13.3	2.3%
16.0%	573.0	588.3	15.3	2.7%
17.3%	569.5	583.1	13.5	2.4%
18.5%	568.5	579.0	10.6	1.9%
19.8%	535.6	572.0	36.5	6.8%
21.0%	533.4	560.0	26.6	5.0%
22.2%	533.2	524.7	-8.6	-1.6%
23.5%	516.2	519.7	3.6	0.7%
24.7%	504.8	510.3	5.4	1.1%
25.9%	503.0	503.0	0.0	0.0%
27.2%	498.2	491.2	-7.0	-1.4%
28.4%	485.6	490.2	4.6	0.9%
29.6%	484.2	484.5	0.3	0.1%
30.9%	477.0	480.3	3.3	0.7%
32.1%	471.1	479.8	8.7	1.8%
33.3%	465.3	474.4	9.0	1.9%
34.5%	463.8	465.1	1.3	0.3%
35.8%	446.8	463.4	16.7	3.7%
37.0%	443.1	459.8	16.8	3.8%
38.3%	439.6	457.7	18.1	4.1%
39.5%	439.1	453.2	14.2	3.2%
40.7%	436.9	440.8	3.9	0.9%
42.0%	436.6	438.2	1.6	0.4%
43.2%	435.1	437.3	2.2	0.5%
44.4%	423.1	432.8	9.7	2.3%
45.7%	421.2	429.4	8.2	1.9%
46.9%	398.6	428.3	29.7	7.5%
48.1%	395.8	425.7	29.9	7.6%
49.4%	393.3	421.9	28.5	7.3%
50.6%	390.3	409.1	18.8	4.8%
51.9%	390.0	404.3	14.3	3.7%
53.1%	388.2	394.4	6.3	1.6%
54.3%	386.6	390.8	4.2	1.1%
55.6%	382.6	387.1	4.5	1.2%
56.8%	376.7	386.0	9.3	2.5%
58.0%	376.5	385.1	8.6	2.3%
59.3%	373.0	384.7	11.8	3.2%
60.5%	372.2	363.2	-9.1	-2.4%
61.7%	367.2	359.1	-8.1	-2.2%
63.0%	360.1	358.5	-1.5	-0.4%
64.2%	350.9	351.5	0.6	0.2%
65.4%	345.3	346.8	1.5	0.4%
66.7%	345.3	343.2	-2.1	-0.6%
67.9%	342.7	341.4	-1.3	-0.4%
69.1%	341.4	341.4	0.0	0.0%
70.4%	340.7	337.9	-2.8	-0.8%
71.6%	337.9	336.2	-1.7	-0.5%
72.8%	337.2	335.5	-1.7	-0.5%
74.1%	335.8	333.5	-2.3	-0.7%
75.3%	334.9	330.0	-4.9	-1.5%
76.5%	334.2	327.0	-7.2	-2.2%
77.8%	332.0	325.2	-6.7	-2.0%
79.0%	331.0	321.9	-9.2	-2.8%
80.2%	329.6	321.0	-8.6	-2.6%
81.5%	325.1	320.0	-5.1	-1.6%
82.7%	321.3	319.9	-1.4	-0.4%
84.0%	319.1	318.0	-1.1	-0.4%
85.2%	318.7	313.3	-5.3	-1.7%
86.4%	314.9	308.4	-6.5	-2.1%

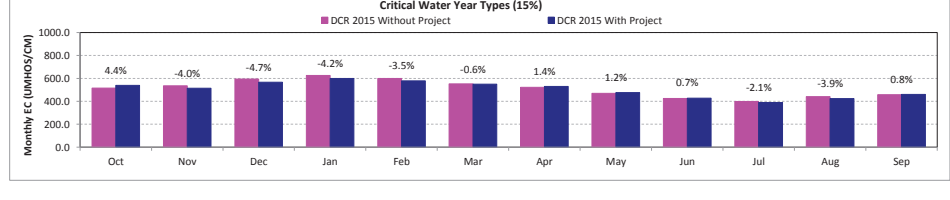
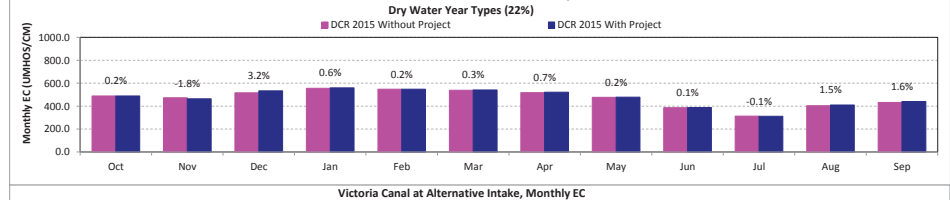
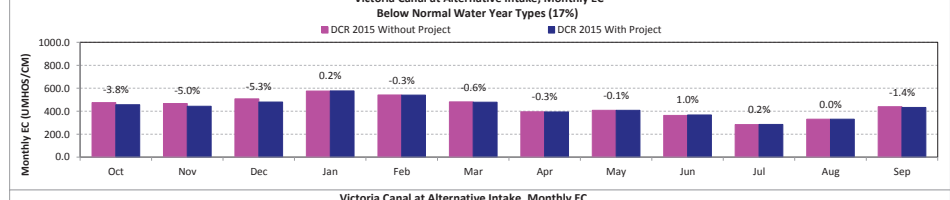
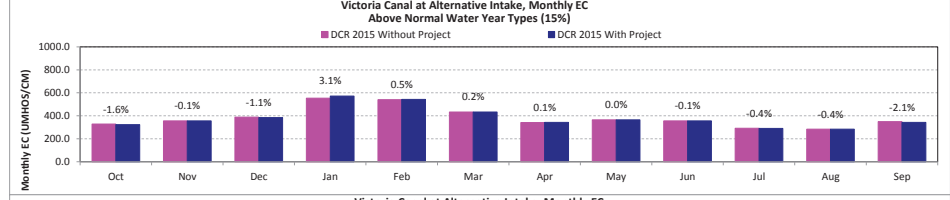
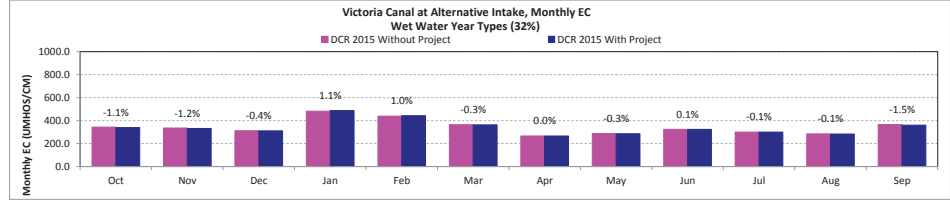
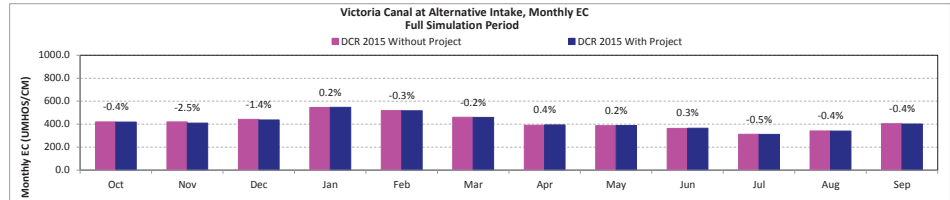
Table SQ-30-a  
Victoria Canal at Alternative Intake, Monthly EC  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	420.4	420.2	442.7	545.8	518.6	460.0	391.8	387.3	363.8	313.0	341.2	404.0
DCR 2015 With Project	418.9	409.9	436.5	547.2	517.2	459.1	393.5	387.9	365.0	311.4	339.7	402.2
Difference	-1.5	-10.3	-6.2	1.4	-1.4	-0.9	1.7	0.7	1.2	-1.5	-1.5	-1.8
Percent Difference <sup>3</sup>	-0.4%	-2.5%	-1.4%	0.2%	-0.3%	-0.2%	0.4%	0.2%	0.3%	-0.5%	-0.4%	-0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	342.9	335.2	311.9	482.3	439.0	363.8	265.8	286.4	323.5	299.8	283.8	365.9
DCR 2015 With Project	338.9	331.3	310.6	487.7	443.2	362.7	265.9	285.4	323.7	299.4	283.4	360.3
Difference	-3.9	-4.0	-1.3	5.4	4.2	-1.0	0.1	-1.0	0.3	-0.4	-0.4	-5.6
Percent Difference	-1.1%	-1.2%	-0.4%	1.1%	1.0%	-0.3%	0.0%	-0.3%	0.1%	-0.1%	-0.1%	-1.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	328.2	356.1	388.6	554.0	540.3	432.3	341.6	364.4	356.3	291.3	284.3	349.6
DCR 2015 With Project	323.0	355.6	384.4	571.3	543.0	433.0	342.0	364.5	356.1	290.0	283.2	342.3
Difference	-5.3	-0.5	-4.2	17.3	2.7	0.7	0.4	0.1	-0.2	-1.2	-1.0	-7.3
Percent Difference	-1.6%	-0.1%	-1.1%	3.1%	0.5%	0.2%	0.1%	0.0%	-0.1%	-0.4%	-0.4%	-2.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	474.0	466.8	506.8	575.8	541.1	481.2	394.4	407.8	363.1	283.7	330.9	438.6
DCR 2015 With Project	456.2	443.5	479.8	577.1	539.5	478.2	393.2	407.3	366.9	284.2	330.8	432.6
Difference	-17.8	-23.3	-27.1	1.4	-1.5	-3.1	-1.2	-0.5	3.8	0.5	0.0	-6.0
Percent Difference	-3.8%	-5.0%	-5.3%	0.2%	-0.3%	-0.6%	-0.3%	-0.1%	1.0%	0.2%	0.0%	-1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	488.4	472.9	516.6	555.8	547.4	539.2	518.1	476.9	386.7	312.4	403.6	432.8
DCR 2015 With Project	489.2	464.3	532.9	559.0	548.3	540.8	521.6	477.9	387.0	311.9	409.8	439.9
Difference	0.8	-8.6	16.4	3.2	0.9	1.6	3.5	0.9	0.3	-0.5	6.1	7.1
Percent Difference	0.2%	-1.8%	3.2%	0.6%	0.2%	0.3%	0.7%	0.2%	0.1%	-0.1%	1.5%	1.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	515.9	535.3	594.2	625.5	599.9	552.4	522.5	470.2	425.0	398.3	440.9	457.2
DCR 2015 With Project	538.8	513.8	566.1	599.5	579.0	549.0	529.9	476.0	428.2	390.0	423.6	460.9
Difference	22.9	-21.4	-28.2	-26.0	-20.9	-3.4	7.4	5.8	3.2	-8.3	-17.4	3.6
Percent Difference	4.4%	-4.0%	-4.7%	-4.2%	-3.5%	-0.6%	1.4%	1.2%	0.7%	-2.1%	-3.9%	0.8%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average



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

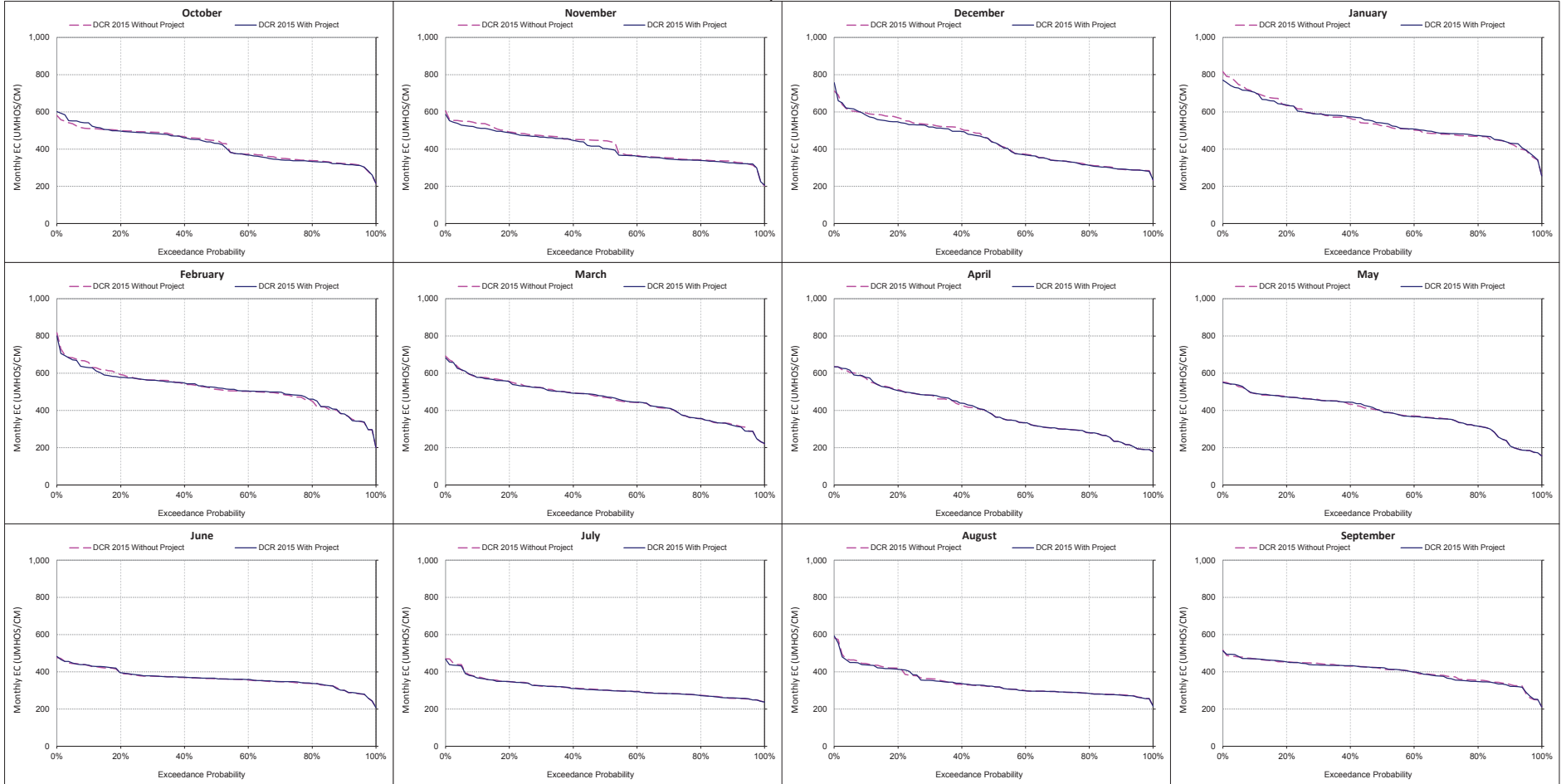


Table SQ-30-b  
Victoria Canal at Alternative Intake, Monthly EC  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	580.8	602.1	21.2	3.7%
1.2%	568.2	592.2	34.0	6.1%
2.5%	550.5	583.9	33.3	6.1%
3.7%	532.8	565.5	32.7	6.1%
4.9%	536.6	551.6	15.0	2.8%
6.2%	524.7	551.3	26.6	5.1%
7.4%	516.2	543.7	27.6	5.3%
8.6%	512.1	540.7	29.5	5.8%
9.9%	510.6	541.3	30.7	6.0%
11.1%	510.4	522.4	12.0	2.4%
12.3%	509.5	517.2	7.7	1.5%
13.6%	507.0	514.3	7.3	1.4%
14.8%	505.5	505.5	0.0	0.0%
16.0%	505.2	504.0	-1.1	-0.2%
17.3%	504.6	498.3	-6.3	-1.2%
18.5%	502.2	498.3	-4.0	-0.8%
19.8%	498.7	497.1	-1.5	-0.3%
21.0%	498.6	494.2	-4.4	-0.9%
22.2%	497.6	493.0	-4.6	-0.9%
23.5%	497.2	492.3	-4.9	-1.0%
24.7%	493.6	490.1	-3.5	-0.7%
25.9%	493.6	489.6	-4.0	-0.8%
27.2%	493.1	489.2	-4.0	-0.8%
28.4%	491.4	485.5	-6.0	-1.2%
29.6%	491.3	483.9	-7.4	-1.5%
30.9%	490.4	483.7	-6.7	-1.4%
32.1%	489.7	480.9	-8.7	-1.8%
33.3%	486.4	480.2	-6.2	-1.3%
34.5%	486.0	479.2	-6.8	-1.4%
35.8%	479.1	471.5	-7.6	-1.6%
37.0%	473.7	470.7	-3.0	-0.6%
38.3%	469.3	469.9	0.7	0.1%
39.5%	468.0	461.5	-6.5	-1.4%
40.7%	462.9	458.7	-4.2	-0.9%
42.0%	460.5	452.4	-8.1	-1.8%
43.2%	459.5	452.3	-7.2	-1.6%
44.4%	457.9	451.2	-6.7	-1.5%
45.7%	457.2	444.8	-12.4	-2.7%
46.9%	451.0	439.4	-11.6	-2.6%
48.1%	447.8	438.6	-9.2	-2.1%
49.4%	446.5	432.2	-14.4	-3.2%
50.6%	443.0	429.7	-13.3	-3.0%
51.9%	430.2	423.1	-7.1	-1.7%
53.1%	429.2	404.9	-24.3	-5.7%
54.3%	382.7	382.9	0.2	0.0%
55.6%	378.1	377.8	-0.3	-0.1%
56.8%	374.9	374.4	-0.5	-0.1%
58.0%	374.0	374.1	0.1	0.0%
59.3%	372.9	369.2	-3.7	-1.0%
60.5%	372.7	367.0	-5.7	-1.5%
61.7%	372.0	363.1	-8.8	-2.4%
63.0%	368.9	362.0	-6.9	-1.9%
64.2%	368.2	357.9	-10.3	-2.8%
65.4%	361.3	355.0	-6.2	-1.7%
66.7%	360.0	348.8	-11.2	-3.1%
67.9%	358.4	346.1	-12.3	-3.4%
69.1%	352.2	344.4	-7.8	-2.2%
70.4%	350.2	342.2	-8.0	-2.3%
71.6%	349.4	340.8	-8.6	-2.5%
72.8%	347.2	340.0	-7.2	-2.1%
74.1%	344.3	338.1	-6.2	-1.8%
75.3%	343.1	337.8	-5.4	-1.6%
76.5%	340.7	337.3	-3.4	-1.0%
77.8%	340.5	337.2	-3.3	-1.0%
79.0%	339.0	334.4	-4.7	-1.4%
80.2%	338.0	331.6	-6.4	-1.9%
81.5%	337.6	332.5	-5.2	-1.5%
82.7%	336.0	330.8	-5.2	-1.5%
84.0%	333.0	330.7	-2.4	-0.7%
85.2%	331.3	329.6	-1.7	-0.5%
86.4%	326.1	322.0	-4.1	-1.2%
87.7%	325.6	321.5	-4.1	-1.3%
88.9%	323.5	321.2	-2.3	-0.7%
90.1%	322.0	317.2	-4.9	-1.5%
91.4%	321.7	316.6	-5.1	-1.6%
92.6%	319.5	315.6	-3.9	-1.2%
93.8%	317.0	313.2	-3.9	-1.2%
95.1%	312.3	312.3	0.0	0.0%
96.3%	302.8	302.8	0.0	0.0%
97.5%	279.7	283.8	4.1	1.5%
98.8%	260.1	260.4	0.3	0.1%
100.0%	216.3	215.9	-0.5	-0.2%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	605.7	585.2	-20.5	-3.4%
1.2%	585.6	562.7	-22.9	-3.9%
2.5%	554.1	543.9	-10.3	-1.9%
3.7%	535.5	539.2	3.7	0.7%
4.9%	550.7	528.8	-21.9	-4.0%
6.2%	548.7	526.2	-22.5	-4.1%
7.4%	548.6	523.1	-25.5	-4.7%
8.6%	544.7	520.9	-23.8	-4.4%
9.9%	538.2	514.4	-23.7	-4.4%
11.1%	537.7	511.3	-26.3	-4.9%
12.3%	536.8	511.1	-25.7	-4.8%
13.6%	528.7	506.7	-22.0	-4.2%
14.8%	518.3	501.5	-16.7	-3.2%
16.0%	508.7	495.8	-12.9	-2.5%
17.3%	502.3	495.4	-6.9	-1.4%
18.5%	501.5	491.2	-10.3	-2.1%
19.8%	492.2	489.2	-3.0	-0.6%
21.0%	490.4	485.0	-5.4	-1.1%
22.2%	486.1	480.2	-5.9	-1.2%
23.5%	484.4	474.2	-10.2	-2.1%
24.7%	483.2	473.3	-9.8	-2.0%
25.9%	482.3	478.2	-4.1	-0.8%
27.2%	476.0	469.4	-6.6	-1.4%
28.4%	475.2	468.2	-7.0	-1.5%
29.6%	473.7	465.0	-8.7	-1.8%
30.9%	471.1	463.3	-7.8	-1.7%
32.1%	470.2	462.3	-7.9	-1.7%
33.3%	469.8	461.4	-8.4	-1.8%
34.5%	467.0	457.9	-9.1	-2.0%
35.8%	466.2	457.1	-9.1	-1.9%
37.0%	454.1	456.1	1.9	0.4%
38.3%	454.1	455.4	1.3	0.3%
39.5%	451.7	448.6	-3.2	-0.7%
40.7%	451.6	444.2	-7.3	-1.6%
42.0%	451.5	439.7	-11.8	-2.6%
43.2%	450.8	438.1	-12.7	-2.8%
44.4%	450.3	420.7	-29.6	-6.6%
45.7%	448.4	416.3	-32.1	-7.2%
46.9%	447.4	416.3	-31.1	-7.0%
48.1%	446.7	415.8	-31.0	-6.9%
49.4%	445.4	402.9	-42.4	-9.5%
50.6%	444.0	401.8	-42.2	-9.5%
51.9%	439.3	399.0	-40.4	-9.2%
53.1%	435.0	394.0	-40.9	-9.4%
54.3%	376.8	367.3	-9.5	-2.5%
55.6%	375.1	365.9	-9.2	-2.4%
56.8%	368.6	365.8	-2.8	-0.8%
58.0%	368.4	365.1	-3.3	-0.9%
59.3%	367.9	364.2	-3.7	-1.0%
60.5%	364.6	360.3	-4.3	-1.2%
61.7%	359.6	359.1	-0.6	-0.2%
63.0%	359.0	358.5	-0.6	-0.2%
64.2%	358.9	355.2	-3.7	-1.0%
65.4%	357.6	355.0	-2.6	-0.7%
66.7%	355.8	354.0	-1.8	-0.5%
67.9%	355.7	346.1	-9.6	-2.7%
69.1%	353.5	348.1	-5.4	-1.5%
70.4%	352.5	345.9	-6.6	-1.9%
71.6%	352.1	344.4	-7.6	-2.2%
72.8%	347.9	343.3	-4.6	-1.3%
74.1%	345.8	341.7	-4.2	-1.2%
75.3%	344.5	341.4	-3.1	-0.9%
76.5%	344.0	341.1	-2.9	-0.9%
77.8%	342.9	340.7	-2.3	-0.7%
79.0%	342.6	339.8	-2.8	-0.8%
80.2%	341.6	338.5	-3.1	-0.9%
81.5%	340.9	337.2	-3.7	-1.1%
82.7%	339.3	334.4	-4.9	-1.4%
84.0%	337.3	334.3	-3.0	-0.9%
85.2%	337.1	333.6	-3.5	-1.0%
86.4%	336.8	331.4	-5.4	-1.6%
87.7%	336.5	329.3	-7.3	-2.2%
88.9%	336.1	325.9	-10.1	-3.0%
90.1%	332.5	325.6	-6.9	-2.1%
91.4%	328.3	321.6	-6.7	-2.0%
92.6%	326.8	322.4	-4.5	-1.4%
93.8%	325.0	321.7	-3.3	-1.0%
95.1%	311.3	309.9	-1.5	-0.5%
96.3%	313.5	320.3	6.7	2.2%
97.5%	297.7	288.2	0.6	0.2%
98.8%	224.8	225.0	0.1	0.1%
100.0%	202.8	206.6	3.8	1.9%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	712.1	756.6	44.5	6.3%
1.2%	691.7	669.4	-22.3	-3.2%
2.5%	639.9	616.5	-23.4	-3.7%
3.7%	619.3	621.2	2.0	0.3%
4.9%	605.1	618.9	13.8	2.3%
6.2%	604.3	616.0	11.6	1.9%
7.4%	600.4	605.0	4.6	0.8%
8.6%	600.3	595.7	-4.6	-0.8%
9.9%	595.0	583.4	-11.6	-1.9%
11.1%	589.1	575.1	-14.0	-2.4%
12.3%	587.1	568.7	-18.3	-3.1%
13.6%	585.7	558.9	-26.9	-4.6%
14.8%	584.1	556.4	-27.7	-4.7%
16.0%	578.2	552.4	-25.8	-4.5%
17.3%	576.0	548.3	-27.7	-4.8%
18.5%	575.7	547.5	-28.3	-4.9%
19.8%	569.8	546.7	-23.1	-4.1%
21.0%	564.0	541.4	-22.6	-4.0%
22.2%	552.2	538.0	-14.1	-2.6%
23.5%	550.6	532.1	-18.5	-3.4%
24.7%	541.3	531.7	-9.6	-1.8%
25.9%	537.7	529.5	-8.1	-1.5%
27.2%	529.5	529.5	0.0	0.0%
28.4%	534.5	528.6	-5.9	-1.1%
29.6%	531.7	519.1	-12.5	-2.4%
30.9%	530.5	518.3	-12.2	-2.3%
32.1%	524.8	513.2	-11.5	-2.2%
33.3%	521.9	513.1	-8.8	-1.7%
34.5%	521.2	510.3	-11.0	-2.1%
35.8%	520.4	508.1	-12.3	-2.4%
37.0%	519.8	496.2	-23.6	-4.5%
38.3%	517.8	496.2	-21.6	-4.2%
39.5%	510.3	495.9	-14.4	-2.8%
40.7%	501.4	492.8	-8.6	-1.7%
42.0%	500.3	480.1	-20.2	-4.0%
43.2%	491.2	477.3	-13.9	-2.8%
44.4%	486.2	473.0	-13.1	-2.7%
45.7%	484.9	470.8	-14.0	-2.9%
46.9%	463.8	463.1	-0.7	-0.1%
48.1%	458.5	459.2	0.7	0.2%
49.4%	432.2	438.4	6.2	1.4%
50.6%	436.6	433.0	-3.6	-0.8%
51.9%	417.5	422.3	4.8	1.2%
53.1%	412.1	405.6	-6.6	-1.6%
54.3%	403.0	404.4	1.4	0.3%
55.6%	390.6	386.6	-4.0	-1.0%
56.8%	374.8	375.9	1.0	0.3%
58.0%	374.7	372.8	-1.9	-0.5%
59.3%	374.5	370.4	-4.2	-1.1%
60.5%	371.1	368.1	-3.0	-0.8%
61.7%	368.5	364.6	-3.8	-1.0%
63.0%	364.9	363.4	-1.6	-0.4%
64.2%	354.8	353.4	-1.4	-0.4%
65.4%	353.1	352.8	-0.3	-0.1%
66.7%	353.0	348.3	-4.7	-1.3%
67.9%	341.8	340.1	-1.7	-0.5%
69.1%	338.5	339.5	1.0	0.3%
70.4%	338.2	337.7	-0.4	-0.1%
71.6%	336.8	335.6	-1.3	-0.4%
72.8%	334.2	335.0	0.8	0.2%
74.1%	330.5	330.5	0.0	0.0%
75.3%	327.8	328.7	0.8	0.3%
76.5%	325.5	323.9	-1.6	-0.5%
77.8%	323.2	316.6	-6.7	-2.1%
79.0%	317.0	315.6	-1.5	-0.5%
80.2%	313.9	311.8	-2.1	-0.7%
81.5%	310.9	307.9	-3.0	-0.9%
82.7%	310.5	306.2	-4.3	-1.4%
84.0%	305.8	303.4	-2.4	-0.8%
85.2%	305.2	303.1	-2.1	-0.7%
86.4%				

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	817.6	799.9	-17.7	-2.2%
1.2%	731.2	706.2	-25.0	-3.4%
2.5%	657.6	630.3	-27.3	-4.2%
3.7%	685.4	658.7	-26.7	-3.9%
4.9%	682.8	672.0	-10.8	-1.6%
6.2%	675.2	669.4	-5.8	-0.9%
7.4%	668.6	637.3	-31.3	-4.7%
8.6%	666.9	633.3	-33.6	-5.0%
9.9%	658.6	630.0	-28.7	-4.4%
11.1%	631.0	629.7	-1.3	-0.2%
12.3%	629.0	612.0	-17.0	-2.7%
13.6%	620.0	603.5	-16.5	-2.7%
14.8%	619.7	590.0	-29.7	-4.8%
16.0%	613.6	588.5	-25.1	-4.1%
17.3%	612.2	583.1	-29.1	-4.8%
18.5%	603.0	582.3	-20.7	-3.4%
19.8%	593.4	578.2	-15.2	-2.6%
21.0%	589.4	577.7	-11.7	-2.0%
22.2%	580.8	575.3	-5.5	-0.9%
23.5%	578.6	574.9	-3.6	-0.6%
24.7%	572.1	572.7	0.5	0.1%
25.9%	568.1	567.6	-0.5	-0.1%
27.2%	566.0	566.1	0.1	0.0%
28.4%	563.7	563.6	-0.1	0.0%
29.6%	563.7	562.6	-1.1	-0.2%
30.9%	563.0	562.4	-0.5	-0.1%
32.1%	561.4	559.2	-2.2	-0.4%
33.3%	561.4	557.6	-3.8	-0.7%
34.5%	561.2	554.1	-7.2	-1.3%
35.8%	558.5	553.4	-5.1	-0.9%
37.0%	552.6	550.4	-2.2	-0.4%
38.3%	549.8	550.4	0.6	0.1%
39.5%	544.7	548.9	4.2	0.8%
40.7%	539.6	543.9	4.3	0.8%
42.0%	539.3	543.5	4.2	0.8%
43.2%	535.9	543.3	7.4	1.4%
44.4%	531.3	532.8	1.5	0.3%
45.7%	527.6	532.6	5.0	1.0%
46.9%	525.9	527.0	1.2	0.2%
48.1%	520.5	525.8	5.2	1.0%
49.4%	514.7	524.4	9.7	1.9%
50.6%	512.3	520.1	7.9	1.5%
51.9%	509.7	519.6	9.8	1.9%
53.1%	506.2	514.7	8.5	1.7%
54.3%	505.5	513.7	8.2	1.6%
55.6%	505.1	513.1	7.9	1.6%
56.8%	504.4	507.2	2.7	0.5%
58.0%	503.3	505.7	2.4	0.5%
59.3%	502.9	505.3	2.4	0.5%
60.5%	502.8	504.3	1.5	0.3%
61.7%	501.5	504.1	2.6	0.5%
63.0%	499.7	502.2	2.5	0.5%
64.2%	498.9	502.0	3.2	0.6%
65.4%	497.9	501.7	3.8	0.8%
66.7%	496.9	499.9	3.0	0.6%
67.9%	496.1	499.0	2.9	0.6%
69.1%	492.6	498.8	6.2	1.3%
70.4%	488.5	497.6	9.1	1.9%
71.6%	483.7	487.2	3.6	0.7%
72.8%	481.2	487.0	5.8	1.2%
74.1%	474.1	483.8	9.6	2.0%
75.3%	472.1	482.4	10.3	2.2%
76.5%	471.9	480.8	8.9	1.9%
77.8%	469.3	474.4	5.0	1.1%
79.0%	459.2	460.9	1.7	0.4%
80.2%	447.7	461.1	12.5	2.8%
81.5%	420.8	451.0	30.2	7.2%
82.7%	419.9	421.5	1.6	0.4%
84.0%	419.3	420.4	1.1	0.3%
85.2%	407.4	419.9	12.5	3.1%
86.4%	406.2	407.9	1.7	0.4%
87.7%	401.8	406.8	5.0	1.2%
88.9%	383.2	383.4	0.3	0.1%
90.1%	380.4	380.7	0.3	0.1%
91.4%	367.0	365.5	-0.5	-0.1%
92.6%	352.1	345.8	-6.4	-1.8%
93.8%	345.3	342.0	-3.3	-1.0%
95.1%	341.6	342.0	0.3	0.1%
96.3%	331.8	338.3	6.5	1.9%
97.5%	297.5	297.5	-0.7	-0.2%
98.8%	296.1	296.2	0.1	0.0%
100.0%	200.7	200.9	0.1	0.1%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	691.9	682.0	-9.9	-1.4%
1.2%	671.1	660.6	-10.5	-1.6%
2.5%	660.0	657.2	-2.8	-0.6%
3.7%	658.7	652.5	-6.3	-1.0%
4.9%	618.0	619.4	1.4	0.2%
6.2%	605.3	611.0	5.7	0.9%
7.4%	595.4	594.6	-0.8	-0.1%
8.6%	585.3	588.8	3.6	0.6%
9.9%	581.0	577.7	-3.2	-0.6%
11.1%	577.6	577.7	0.1	0.0%
12.3%	577.1	570.4	-6.7	-1.2%
13.6%	573.7	569.9	-3.8	-0.7%
14.8%	570.3	566.5	-3.8	-0.7%
16.0%	568.7	560.5	-8.1	-1.4%
17.3%	564.2	560.1	-4.1	-0.7%
18.5%	560.2	559.3	-0.9	-0.2%
19.8%	557.8	556.9	-0.9	-0.2%
21.0%	549.8	539.6	-10.2	-1.9%
22.2%	545.1	535.9	-9.2	-1.7%
23.5%	542.6	532.1	-10.5	-1.9%
24.7%	532.6	530.3	-2.3	-0.4%
25.9%	529.0	529.8	0.8	0.2%
27.2%	527.7	524.5	-3.2	-0.6%
28.4%	526.0	523.7	-2.2	-0.4%
29.6%	522.3	522.9	0.7	0.1%
30.9%	522.2	518.4	-3.8	-0.7%
32.1%	514.1	508.3	-5.7	-1.1%
33.3%	512.5	504.9	-7.5	-1.5%
34.5%	503.0	504.2	1.2	0.2%
35.8%	502.6	502.3	-0.3	-0.1%
37.0%	501.3	500.1	-1.2	-0.2%
38.3%	498.3	496.8	-1.5	-0.3%
39.5%	497.5	494.2	-3.3	-0.7%
40.7%	493.5	492.5	-0.9	-0.2%
42.0%	491.7	491.3	-0.4	-0.1%
43.2%	490.4	490.8	0.4	0.1%
44.4%	490.2	489.6	-0.6	-0.1%
45.7%	483.6	488.2	4.6	0.9%
46.9%	477.4	484.7	7.2	1.5%
48.1%	476.8	479.6	2.8	0.6%
49.4%	474.7	477.9	3.2	0.7%
50.6%	469.7	472.4	2.7	0.6%
51.9%	465.1	471.1	5.9	1.3%
53.1%	456.6	465.9	9.4	2.0%
54.3%	452.1	459.0	6.9	1.5%
55.6%	448.5	453.3	4.8	1.1%
56.8%	445.1	448.7	3.6	0.8%
58.0%	444.5	446.3	1.8	0.4%
59.3%	444.0	445.5	1.5	0.3%
60.5%	442.4	444.5	2.1	0.5%
61.7%	441.9	442.0	0.1	0.0%
63.0%	438.8	438.9	0.1	0.0%
64.2%	424.5	425.7	1.3	0.3%
65.4%	421.9	421.7	-0.1	0.0%
66.7%	415.4	419.5	4.1	1.0%
67.9%	413.1	418.3	5.2	1.3%
69.1%	412.5	413.7	1.2	0.3%
70.4%	411.1	410.9	-0.2	-0.0%
71.6%	400.6	402.6	2.0	0.5%
72.8%	399.2	399.9	0.6	0.2%
74.1%	375.5	374.8	-0.7	-0.2%
75.3%	369.9	371.3	1.4	0.4%
76.5%	361.8	361.9	0.1	0.0%
77.8%	360.2	360.9	0.7	0.2%
79.0%	357.4	357.4	0.0	0.0%
80.2%	355.9	356.4	0.6	0.2%
81.5%	348.3	348.1	-0.2	-0.1%
82.7%	345.9	346.0	0.1	0.0%
84.0%	335.6	339.1	3.5	1.0%
85.2%	333.6	333.7	0.1	0.0%
86.4%	332.9	332.7	-0.2	-0.1%
87.7%	332.0	332.5	0.5	0.1%
88.9%	330.1	325.4	-4.8	-1.4%
90.1%	322.9	319.9	-3.0	-0.9%
91.4%	319.8	313.5	-6.3	-2.0%
92.6%	313.0	311.2	-1.7	-0.6%
93.8%	310.9	290.2	-20.7	-6.6%
95.1%	289.7	288.8	-0.9	-0.3%
96.3%	288.6	288.6	0.0	0.0%
97.5%	247.9	247.9	0.0	0.0%
98.8%	232.1	232.1	-0.1	0.0%
100.0%	221.6	220.9	-0.4	-0.2%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	634.5	635.0	0.6	0.1%
1.2%	634.4	633.8	-0.6	-0.1%
2.5%	619.2	626.0	6.8	1.1%
3.7%	615.6	624.4	8.8	1.4%
4.9%	604.1	616.6	12.5	2.1%
6.2%	601.5	590.3	-11.2	-1.9%
7.4%	598.5	588.2	-10.3	-1.7%
8.6%	594.4	587.5	-6.9	-1.2%
9.9%	574.2	577.3	3.1	0.5%
11.1%	553.4	575.2	21.8	4.0%
12.3%	548.2	552.8	4.6	0.8%
13.6%	538.8	539.7	1.0	0.2%
14.8%	531.0	528.9	-2.1	-0.4%
16.0%	530.0	525.7	-4.4	-0.8%
17.3%	524.1	522.4	-1.7	-0.3%
18.5%	517.2	513.2	-4.0	-0.8%
19.8%	513.1	508.3	-4.9	-1.0%
21.0%	507.3	503.7	-3.6	-0.7%
22.2%	496.7	499.8	3.1	0.6%
23.5%	494.9	496.0	1.1	0.2%
24.7%	492.3	493.5	1.2	0.2%
25.9%	486.6	486.6	0.0	0.0%
27.2%	485.4	484.9	-0.5	-0.1%
28.4%	483.1	483.5	0.4	0.1%
29.6%	483.0	482.5	-0.5	-0.1%
30.9%	480.6	482.2	1.7	0.3%
32.1%	462.6	479.2	16.6	3.6%
33.3%	462.1	472.8	10.6	2.3%
34.5%	461.8	469.4	7.6	1.6%
35.8%	456.6	466.6	10.0	2.2%
37.0%	453.0	453.8	0.8	0.2%
38.3%	437.9	450.2	12.3	2.8%
39.5%	430.0	438.9	8.9	2.1%
40.7%	423.6	437.7	14.1	3.3%
42.0%	416.7	430.1	13.3	3.2%
43.2%	415.8	427.3	11.5	2.8%
44.4%	411.1	416.4	5.3	1.3%
45.7%	407.2	408.2	1.0	0.2%
46.9%	403.8	404.5	0.7	0.2%
48.1%	392.0	392.5	0.5	0.1%
49.4%	381.1	381.4	0.3	0.1%
50.6%	365.6	364.0	-1.6	-0.5%
51.9%	362.7	363.7	1.0	0.3%
53.1%	354.1	353.2	-0.9	-0.2%
54.3%	348.2	348.2	0.0	0.0%
55.6%	348.1	348.1	0.0	0.0%
56.8%	345.8	345.7	-0.1	0.0%
58.0%	335.1	336.5	1.3	0.4%
59.3%	334.6	334.3	-0.4	-0.1%
60.5%	334.6	333.9	-0.6	-0.2%
61.7%	323.7	323.2	-0.5	-0.2%
63.0%	317.5	317.8	0.3	0.1%
64.2%	314.7	314.7	0.1	0.0%
65.4%	311.1	311.4	0.3	0.1%
66.7%	308.2	308.4	0.2	0.1%
67.9%	306.6	306.6	0.0	0.0%
69.1%	306.1	306.1	0.0	0.0%
70.4%	301.2	300.8	-0.4	-0.1%
71.6%	300.3	300.1	-0.2	-0.1%
72.8%	300.3	299.2	-1.0	-0.3%
74.1%	297.5	297.5	0.0	0.0%
75.3%	295.4	295.7	0.2	0.1%
76.5%	293.5	293.5	0.1	0.0%
77.8%	292.6	292.7	0.1	0.0%
79.0%	281.3	282.5	1.2	0.4%
80.2%	279.2	279.3	0.1	0.0%
81.5%	278.8	279.0	0.2	0.1%
82.7%	274.5	274.7	0.3	0.1%
84.0%	267.4	267.3	-0.1	0.0%
85.2%	264.9	264.9	0.0	0.0%
86.4%	255.5	255.7	0.2	0.1%

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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	476.4	482.6	6.2	1.3%
1.2%	472.2	466.0	-6.2	-1.3%
2.5%	456.1	455.3	-0.2	0.0%
3.7%	444.4	455.6	11.2	2.5%
4.9%	444.1	447.4	3.3	0.7%
6.2%	444.0	440.9	-3.1	-0.7%
7.4%	441.1	439.2	-1.9	-0.4%
8.6%	438.8	438.8	0.0	0.0%
9.9%	434.1	435.7	1.6	0.4%
11.1%	427.4	430.5	3.1	0.7%
12.3%	427.4	429.4	2.0	0.5%
13.6%	423.8	428.0	4.2	1.0%
14.8%	420.9	427.1	6.2	1.5%
16.0%	420.5	424.1	3.7	0.9%
17.3%	419.9	421.2	1.2	0.3%
18.5%	415.0	420.7	5.8	1.4%
19.8%	396.8	396.2	-0.6	-0.1%
21.0%	389.3	392.8	3.5	0.9%
22.2%	389.0	389.7	0.7	0.2%
23.5%	384.3	387.9	3.6	0.9%
24.7%	382.4	384.9	2.5	0.6%
25.9%	378.7	374.7	-4.0	-1.1%
27.2%	377.3	378.6	1.3	0.3%
28.4%	377.3	378.6	1.3	0.3%
29.6%	376.8	378.4	1.6	0.4%
30.9%	376.1	377.4	1.3	0.4%
32.1%	375.6	376.0	0.4	0.1%
33.3%	375.3	374.7	-0.6	-0.1%
34.5%	374.1	372.9	-1.2	-0.3%
35.8%	373.8	372.8	-1.0	-0.3%
37.0%	372.8	372.4	-0.4	-0.1%
38.3%	369.9	371.8	1.9	0.5%
39.5%	369.3	371.8	2.4	0.7%
40.7%	369.2	370.1	0.9	0.2%
42.0%	367.3	369.3	1.9	0.5%
43.2%	366.9	369.2	2.2	0.6%
44.4%	366.1	367.9	1.7	0.5%
45.7%	365.0	366.1	1.1	0.3%
46.9%	364.4	365.7	1.3	0.4%
48.1%	364.0	365.6	1.6	0.4%
49.4%	363.3	365.2	1.9	0.5%
50.6%	362.3	361.6	-0.8	-0.2%
51.9%	361.3	361.6	0.2	0.1%
53.1%	361.0	361.4	0.3	0.1%
54.3%	360.6	360.8	0.3	0.1%
55.6%	360.5	360.3	-0.2	-0.1%
56.8%	359.0	359.8	0.8	0.2%
58.0%	358.5	359.5	1.0	0.3%
59.3%	356.9	358.8	1.9	0.5%
60.5%	355.1	358.1	3.0	0.9%
61.7%	353.1	355.0	1.9	0.5%
63.0%	352.4	352.8	0.4	0.1%
64.2%	352.1	352.3	0.3	0.1%
65.4%	350.2	351.7	1.5	0.4%
66.7%	348.1	351.6	3.5	1.0%
67.9%	348.0	348.2	0.2	0.1%
69.1%	347.7	347.8	0.2	0.1%
70.4%	346.7	347.4	0.7	0.2%
71.6%	346.6	346.9	0.4	0.1%
72.8%	346.2	346.9	0.7	0.2%
74.1%	343.3	346.6	3.4	1.0%
75.3%	340.5	345.7	5.2	1.5%
76.5%	339.8	341.5	1.7	0.5%
77.8%	338.6	339.9	1.3	0.4%
79.0%	337.7	339.8	2.1	0.6%
80.2%	337.6	337.2	-0.5	-0.1%
81.5%	337.4	335.8	-1.5	-0.5%
82.7%	329.4	332.6	3.2	1.0%
84.0%	328.4	329.3	0.9	0.3%
85.2%	325.5	326.2	0.7	0.2%
86.4%	324.7	324.7	0.0	0.0%
87.7%	315.1	319.9	4.2	1.3%
88.9%	301.5	301.6	0.1	0.0%
90.1%	300.1	300.4	0.3	0.1%
91.4%	288.4	289.4	1.0	0.3%
92.6%	287.7	288.4	0.8	0.3%
93.8%	284.6	284.3	0.7	0.2%
95.1%	281.2	281.7	0.5	0.2%
96.3%	279.7	279.7	0.7	0.3%
97.5%	259.0	259.4	0.4	0.1%
98.8%	242.9	243.6	0.7	0.3%
100.0%	208.4	206.9	-1.6	-0.8%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	469.7	467.5	-2.3	-0.5%
1.2%	469.5	438.3	-31.2	-6.7%
2.5%	445.5	435.4	-10.0	-2.3%
3.7%	439.6	434.2	-5.4	-1.2%
4.9%	438.8	431.8	-7.0	-1.6%
6.2%	436.5	430.4	-6.1	-1.5%
7.4%	434.5	430.0	-4.6	-1.2%
8.6%	437.3	437.7	0.4	0.1%
9.9%	437.0	437.4	0.4	0.1%
11.1%	436.4	436.9	0.5	0.1%
12.3%	436.3	432.0	-4.3	-1.0%
13.6%	436.8	437.0	0.2	0.0%
14.8%	436.8	436.5	-0.2	-0.1%
16.0%	434.6	434.9	0.3	0.1%
17.3%	448.9	448.8	-0.1	0.0%
18.5%	447.8	448.2	0.4	0.1%
19.8%	447.7	446.8	-0.9	-0.3%
21.0%	445.8	446.4	0.6	0.2%
22.2%	443.8	443.2	-0.6	-0.2%
23.5%	443.6	442.6	-1.0	-0.3%
24.7%	443.1	439.9	-3.2	-0.9%
25.9%	438.7	438.8	0.1	0.0%
27.2%	429.3	427.3	-2.0	-0.6%
28.4%	427.4	426.5	-0.9	-0.3%
29.6%	423.6	425.4	1.8	0.6%
30.9%	423.3	424.1	0.8	0.2%
32.1%	421.9	422.3	0.4	0.1%
33.3%	421.8	421.9	0.1	0.0%
34.5%	421.1	420.3	-0.8	-0.2%
35.8%	420.2	420.1	0.0	0.0%
37.0%	416.5	418.7	2.2	0.7%
38.3%	416.3	416.4	0.1	0.0%
39.5%	414.0	410.8	-3.2	-1.0%
40.7%	412.2	410.3	-1.9	-0.6%
42.0%	411.1	407.1	-4.0	-1.3%
43.2%	409.6	406.8	-2.8	-0.9%
44.4%	408.2	405.1	-3.1	-1.0%
45.7%	407.0	404.8	-2.2	-0.7%
46.9%	406.2	403.3	-2.9	-1.0%
48.1%	404.8	401.8	-3.0	-1.0%
49.4%	403.5	401.7	-1.8	-0.5%
50.6%	401.3	401.2	-0.1	0.0%
51.9%	299.8	299.2	-0.6	-0.2%
53.1%	299.0	298.0	-1.0	-0.3%
54.3%	297.8	296.8	-1.0	-0.3%
55.6%	296.7	296.6	-0.2	-0.1%
56.8%	296.5	296.5	0.0	0.0%
58.0%	294.7	295.4	0.6	0.2%
59.3%	294.6	293.5	-1.1	-0.4%
60.5%	294.5	293.0	-1.5	-0.5%
61.7%	294.4	288.6	-5.8	-2.0%
63.0%	286.6	288.2	1.6	0.6%
64.2%	286.5	287.7	1.2	0.4%
65.4%	285.8	285.0	-0.8	-0.3%
66.7%	285.0	284.9	-0.1	0.0%
67.9%	284.3	284.2	-0.2	-0.1%
69.1%	284.3	283.7	-0.6	-0.2%
70.4%	283.1	282.6	-0.5	-0.2%
71.6%	282.8	281.6	-1.3	-0.4%
72.8%	281.9	281.1	-0.8	-0.3%
74.1%	281.6	280.5	-1.1	-0.4%
75.3%	280.7	278.7	-2.0	-0.7%
76.5%	278.7	278.5	-0.2	-0.1%
77.8%	276.8	276.7	0.0	0.0%
79.0%	274.9	274.6	-0.3	-0.1%
80.2%	273.4	271.1	-2.3	-0.9%
81.5%	271.9	270.9	-1.0	-0.4%
82.7%	268.8	269.5	0.7	0.3%
84.0%	267.4	266.8	-0.6	-0.2%
85.2%	267.1	264.9	-2.2	-0.8%
86.4%	264.1	262.3	-1.8	-0.7%
87.7%	262.0	260.8	-1.2	-0.5%
88.9%	257.7	260.0	2.3	0.9%
90.1%	257.5	259.5	2.0	0.8%
91.4%	257.3	258.3	1.0	0.4%
92.6%	256.2	257.4	1.3	0.5%
93.8%	254.4	257.3	2.9	1.1%
95.1%	253.8	254.6	0.8	0.3%
96.3%	250.9	250.9	0.0	0.0%
97.5%	249.2	248.7	-0.5	-0.2%
98.8%	242.6	242.0	-0.6	-0.2%
100.0%	237.6	237.7	0.1	0.0%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	582.9	592.7	9.9	1.7%
1.2%	573.2	553.5	-19.7	-3.4%
2.5%	494.3	480.0	-14.3	-2.9%
3.7%	468.8	465.9	-2.9	-0.6%
4.9%	464.1	450.7	-13.5	-2.9%
6.2%	464.1	449.4	-14.7	-3.2%
7.4%	457.9	448.5	-9.4	-2.1%
8.6%	445.2	439.0	-6.3	-1.4%
9.9%	445.0	437.1	-7.9	-1.8%
11.1%	440.0	435.6	-4.4	-1.0%
12.3%	435.7	433.9	-1.8	-0.4%
13.6%	435.1	421.4	-13.7	-3.2%
14.8%	428.4	420.0	-8.4	-2.0%
16.0%	424.5	417.9	-6.7	-1.6%
17.3%	420.6	416.5	-4.1	-1.0%
18.5%	420.5	415.8	-4.7	-1.1%
19.8%	420.1	414.9	-5.2	-1.2%
21.0%	415.8	411.4	-4.4	-1.0%
22.2%	386.2	410.6	24.4	6.3%
23.5%	382.0	403.1	21.1	5.5%
24.7%	379.8	384.7	4.9	1.3%
25.9%	367.5	378.4	10.9	2.9%
27.2%	367.5	355.9	-11.6	-3.2%
28.4%	363.3	355.1	-8.3	-2.3%
29.6%	363.3	354.1	-9.2	-2.5%
30.9%	362.0	352.5	-9.6	-2.6%
32.1%	360.8	349.7	-11.1	-3.1%
33.3%	353.2	348.6	-4.6	-1.3%
34.5%	349.4	345.8	-3.6	-1.0%
35.8%	343.6	344.3	0.7	0.2%
37.0%	342.9	344.0	1.2	0.3%
38.3%	333.0	338.9	5.9	1.8%
39.5%	332.9	338.8	5.8	1.8%
40.7%	329.7	335.2	5.5	1.7%
42.0%	329.5	333.4	3.9	1.2%
43.2%	329.4	329.4	0.0	0.0%
44.4%	326.1	329.4	3.3	1.0%
45.7%	325.6	329.2	3.6	1.1%
46.9%	324.4	327.1	2.7	0.8%
48.1%	321.9	323.4	1.5	0.5%
49.4%	321.3	322.6	1.2	0.4%
50.6%	319.2	319.2	0.0	0.0%
51.9%	317.2	318.8	1.6	0.5%
53.1%	310.6	310.0	-0.6	-0.2%
54.3%	308.3	307.0	-1.4	-0.5%
55.6%	307.0	306.3	-0.7	-0.2%
56.8%	305.9	305.8	-0.1	0.0%
58.0%	303.2	300.2	-3.1	-1.0%
59.3%	301.5	299.4	-2.1	-0.7%
60.5%	296.8	296.7	-0.1	0.0%
61.7%	296.4	296.5	0.3	0.1%
63.0%	295.9	296.1	0.2	0.1%
64.2%	295.9	296.0	0.0	0.0%
65.4%	295.6	295.4	-0.2	-0.1%
66.7%	295.1	294.7	-0.5	-0.2%
67.9%	294.4	294.7	0.3	0.1%
69.1%	294.2	294.4	0.2	0.1%
70.4%	292.4	292.0	-0.4	-0.2%
71.6%	290.8	291.8	1.0	0.4%
72.8%	289.8	289.9	0.1	0.0%
74.1%	288.8	289.9	1.1	0.4%
75.3%	288.6	289.3	0.7	0.2%
76.5%	288.5	289.1	0.7	0.2%
77.8%	286.8	285.9	-1.0	-0.3%
79.0%	284.4	285.8	1.4	0.5%
80.2%	281.6	282.5	0.9	0.3%
81.5%	281.1	280.7	-0.4	-0.1%
82.7%	281.0	280.6	-0.4	-0.1%
84.0%	280.5	279.8	-0.8	-0.3%
85.2%	280.2	278.0	-2.2	-0.8%
86.4%	279.2	277.2	-2.1	-0.7%
87.7%	278.2	276.9	-1.3	-0.5%
88.9%	278.5	276.4	-2.1	-0

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
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	487.7	476.3	499.2	560.8	499.0	430.6	388.1	384.1	371.7	331.1	398.2	498.2
DCR 2015 With Project	487.9	457.0	491.5	564.4	497.4	430.5	390.1	385.6	371.7	328.8	399.6	503.3
Difference	0.2	-19.4	-7.6	3.6	-1.6	-0.1	2.0	1.5	0.0	-2.3	1.4	5.1
Percent Difference <sup>3</sup>	0.0%	-4.1%	-1.5%	0.6%	-0.3%	0.0%	0.5%	0.4%	0.0%	-0.7%	0.3%	1.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	319.7	297.5	300.7	446.0	404.7	339.6	277.3	276.1	307.6	279.8	304.3	426.9
DCR 2015 With Project	314.5	294.2	300.6	454.4	404.8	340.8	277.8	276.2	307.8	279.4	303.3	419.5
Difference	-5.2	-3.3	-0.1	8.4	0.0	1.2	0.5	0.1	0.2	-0.4	-1.0	-7.4
Percent Difference	-1.6%	-1.1%	0.0%	1.9%	0.0%	0.3%	0.2%	0.0%	0.1%	-0.2%	-0.3%	-1.7%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	310.0	351.4	412.1	562.9	513.8	403.2	343.4	347.6	344.2	283.7	317.8	419.7
DCR 2015 With Project	304.7	352.5	408.7	593.8	520.7	404.3	343.8	347.7	344.9	283.0	314.6	406.6
Difference	-5.2	1.1	-3.4	30.9	6.9	1.2	0.4	0.1	0.8	-0.7	-3.2	-13.1
Percent Difference	-1.7%	0.3%	-0.8%	5.5%	1.3%	0.3%	0.1%	0.0%	0.2%	-0.2%	-1.0%	-3.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	641.1	605.2	603.0	619.1	515.6	436.8	387.3	390.8	366.9	301.3	400.6	589.0
DCR 2015 With Project	602.9	550.0	558.0	620.1	517.1	432.5	386.9	390.7	368.4	300.9	400.4	577.3
Difference	-38.2	-55.2	-44.9	1.0	1.6	-4.3	-0.4	-0.1	1.4	-0.4	-0.2	-11.7
Percent Difference	-6.0%	-9.1%	-7.5%	0.2%	0.3%	-1.0%	-0.1%	0.0%	0.4%	-0.1%	0.0%	-2.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	638.7	589.3	608.4	594.5	530.3	496.0	480.3	468.9	411.3	361.0	496.5	551.1
DCR 2015 With Project	644.9	575.2	638.8	599.1	532.5	498.9	483.0	472.0	410.5	363.0	515.6	579.3
Difference	6.2	-14.1	30.4	4.6	2.2	2.8	2.7	3.1	-0.8	2.0	19.2	28.2
Percent Difference	1.0%	-2.4%	5.0%	0.8%	0.4%	0.6%	0.6%	0.7%	-0.2%	0.6%	3.9%	5.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	623.9	668.9	731.4	689.1	622.0	549.8	535.6	519.2	484.2	479.5	531.8	546.2
DCR 2015 With Project	677.5	628.1	689.6	656.2	599.0	546.4	544.1	524.8	482.4	462.9	518.0	581.3
Difference	53.5	-40.8	-41.8	-32.9	-23.0	-3.4	8.6	5.5	-1.9	-16.5	-13.8	35.2
Percent Difference	8.6%	-6.1%	-5.7%	-4.8%	-3.7%	-0.6%	1.6%	1.1%	-0.4%	-3.4%	-2.6%	6.4%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average



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

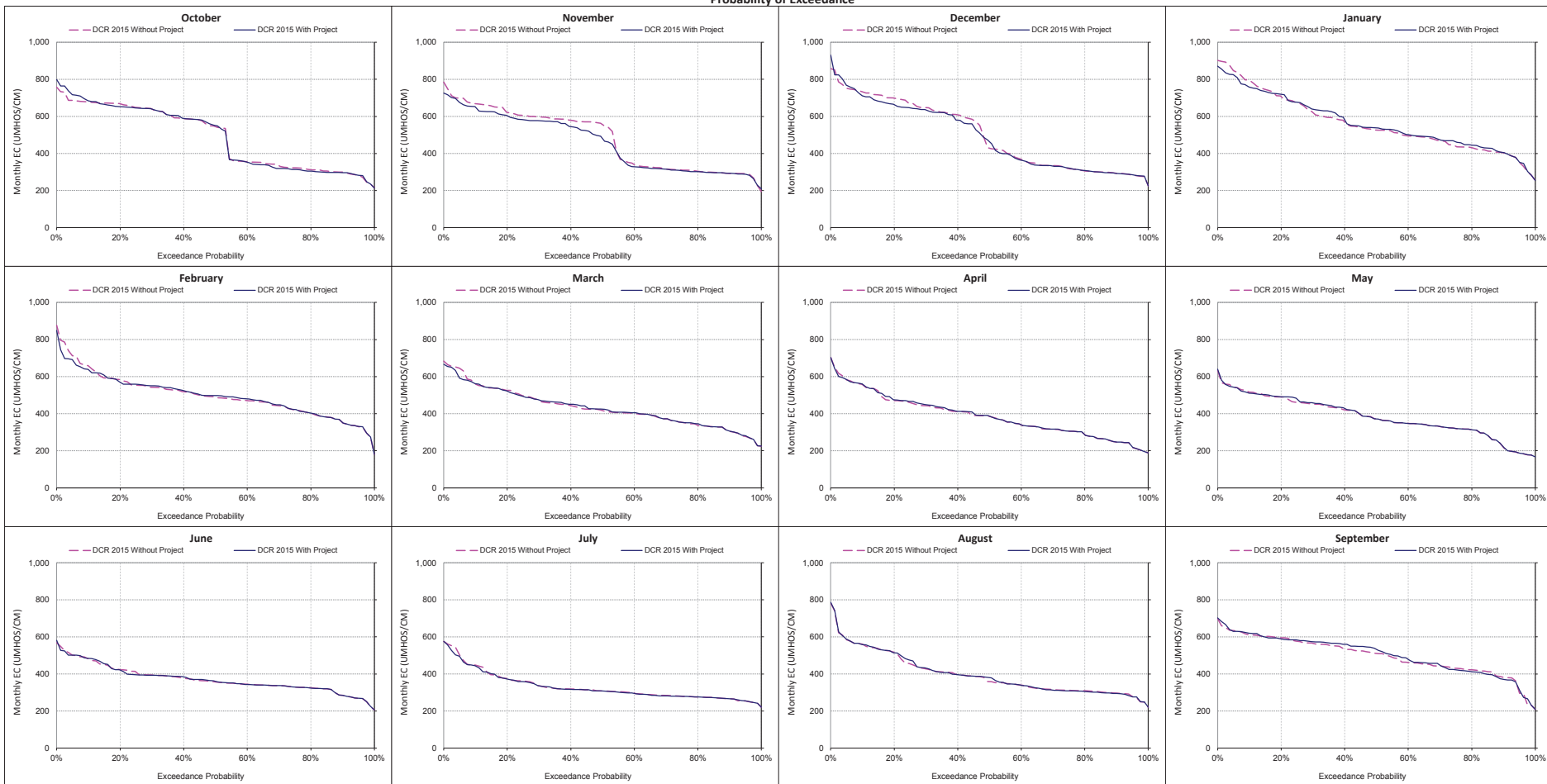




Table SQ-31-b  
Clifton Court Forebay, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	757.5	797.7	40.2	5.3%	
1.2%	733.7	763.9	30.2	4.1%	
2.5%	730.5	763.4	33.0	4.5%	
3.7%	686.4	738.3	51.8	7.5%	
4.9%	686.4	717.5	31.1	4.5%	
6.2%	684.0	714.5	30.4	4.4%	
7.4%	681.0	709.3	28.2	4.1%	
8.6%	679.3	695.5	16.2	2.4%	
9.9%	678.3	683.9	5.6	0.8%	
11.1%	675.7	679.8	4.0	0.6%	
12.3%	674.1	679.8	5.6	0.8%	
13.6%	672.2	668.9	-3.3	-0.5%	
14.8%	672.0	665.3	-6.7	-1.0%	
16.0%	671.9	660.8	-11.1	-1.6%	
17.3%	670.9	658.5	-12.4	-1.8%	
18.5%	670.2	653.9	-16.3	-2.4%	
19.8%	669.5	652.2	-17.3	-2.6%	
21.0%	662.9	652.0	-10.9	-1.7%	
22.2%	659.7	649.3	-10.4	-1.6%	
23.5%	654.4	649.1	-5.2	-0.8%	
24.7%	648.5	646.3	-2.2	-0.3%	
25.9%	647.2	647.5	0.3	0.0%	
27.2%	645.7	643.0	-2.8	-0.4%	
28.4%	643.8	642.6	-1.3	-0.2%	
29.6%	642.5	641.1	-1.3	-0.2%	
30.9%	632.0	634.2	2.2	0.3%	
32.1%	628.7	628.8	0.2	0.0%	
33.3%	626.2	626.0	-0.1	0.0%	
34.5%	609.9	610.4	0.6	0.1%	
35.8%	605.6	605.6	-0.2	0.0%	
37.0%	592.4	605.4	13.0	2.2%	
38.3%	591.7	603.8	12.1	2.0%	
39.5%	587.6	589.8	2.1	0.4%	
40.7%	587.0	587.0	0.0	0.0%	
42.0%	585.8	585.5	-0.3	-0.1%	
43.2%	583.5	584.5	1.0	0.2%	
44.4%	583.1	582.6	-0.4	-0.1%	
45.7%	576.3	579.6	3.3	0.6%	
46.9%	560.1	569.8	9.7	1.7%	
48.1%	549.2	560.0	10.8	2.0%	
49.4%	548.2	552.4	4.3	0.8%	
50.6%	540.9	548.7	7.8	1.5%	
51.9%	538.2	532.0	-6.1	-1.1%	
53.1%	534.7	520.6	-14.1	-2.6%	
54.3%	372.1	365.7	-6.4	-1.7%	
55.6%	361.1	364.6	3.5	1.0%	
56.8%	358.6	363.0	4.4	1.2%	
58.0%	358.1	360.1	2.0	0.6%	
59.3%	356.2	356.0	-0.2	-0.0%	
60.5%	354.4	350.7	-3.7	-1.1%	
61.7%	352.9	342.2	-10.7	-3.0%	
63.0%	352.8	339.7	-13.1	-3.7%	
64.2%	352.3	338.7	-13.6	-3.9%	
65.4%	345.6	338.6	-7.0	-2.0%	
66.7%	343.1	336.7	-6.4	-1.9%	
67.9%	342.4	325.5	-16.8	-4.9%	
69.1%	342.2	319.6	-22.6	-6.6%	
70.4%	329.8	319.6	-10.2	-3.1%	
71.6%	325.7	318.9	-6.8	-2.1%	
72.8%	323.7	317.6	-6.1	-1.9%	
74.1%	322.4	313.7	-8.7	-2.7%	
75.3%	322.2	312.9	-9.3	-2.9%	
76.5%	321.3	311.8	-9.5	-3.0%	
77.8%	319.6	307.3	-12.2	-3.8%	
79.0%	314.3	304.4	-9.9	-3.1%	
80.2%	311.6	308.0	-3.6	-1.2%	
81.5%	311.6	302.0	-9.6	-3.1%	
82.7%	311.3	299.9	-11.3	-3.6%	
84.0%	305.6	299.4	-6.2	-2.0%	
85.2%	304.8	298.2	-6.6	-2.2%	
86.4%	300.8	298.0	-2.8	-0.9%	
87.7%	300.3	297.7	-2.7	-0.9%	
88.9%	299.7	296.9	-2.8	-0.9%	
90.1%	299.3	296.7	-2.6	-0.9%	
91.4%	293.8	295.9	2.1	0.7%	
92.6%	288.5	292.2	3.7	1.3%	
93.8%	285.5	286.3	0.8	0.3%	
95.1%	282.4	282.4	0.0	0.0%	
96.3%	271.4	280.4	9.0	3.3%	
97.5%	245.3	247.4	2.1	0.9%	
98.8%	234.7	235.4	0.7	0.3%	
100.0%	215.1	213.4	-1.7	-0.8%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	785.0	726.3	-58.7	-7.5%	
1.2%	748.7	717.0	-31.7	-4.2%	
2.5%	711.6	701.8	-9.9	-1.4%	
3.7%	700.1	696.3	-3.5	-0.5%	
4.9%	698.2	675.4	-22.8	-3.3%	
6.2%	697.7	662.8	-34.9	-5.0%	
7.4%	677.8	656.4	-21.4	-3.2%	
8.6%	671.5	664.1	-7.4	-1.1%	
9.9%	669.0	653.1	-15.8	-2.4%	
11.1%	666.5	628.1	-38.4	-5.8%	
12.3%	663.9	627.3	-36.6	-5.5%	
13.6%	661.8	625.5	-36.3	-5.5%	
14.8%	657.5	625.5	-32.0	-4.9%	
16.0%	650.9	624.0	-26.8	-4.1%	
17.3%	649.1	612.3	-36.8	-5.7%	
18.5%	648.6	606.4	-40.3	-6.2%	
19.8%	622.4	605.1	-17.3	-2.8%	
21.0%	617.6	594.5	-23.1	-3.7%	
22.2%	614.0	589.9	-24.1	-3.9%	
23.5%	606.8	584.5	-22.3	-3.7%	
24.7%	605.8	582.5	-23.3	-3.9%	
25.9%	604.5	579.4	-25.0	-4.1%	
27.2%	600.0	577.9	-22.1	-3.7%	
28.4%	599.8	577.6	-22.2	-3.7%	
29.6%	596.8	576.8	-20.0	-3.3%	
30.9%	596.4	576.0	-20.4	-3.4%	
32.1%	595.4	575.0	-20.4	-3.4%	
33.3%	591.0	573.8	-17.2	-2.9%	
34.5%	596.4	571.2	-15.2	-2.6%	
35.8%	596.3	570.9	-15.3	-2.6%	
37.0%	585.5	562.1	-23.3	-4.0%	
38.3%	585.1	561.3	-23.8	-4.1%	
39.5%	579.5	546.3	-33.2	-5.7%	
40.7%	577.9	543.5	-34.4	-5.9%	
42.0%	571.9	538.3	-33.6	-5.9%	
43.2%	571.7	526.5	-45.2	-7.9%	
44.4%	570.5	524.3	-46.2	-8.1%	
45.7%	570.4	519.8	-50.6	-8.9%	
46.9%	570.1	504.2	-65.9	-11.6%	
48.1%	566.3	497.2	-69.2	-12.2%	
49.4%	562.8	493.4	-69.4	-12.3%	
50.6%	548.5	466.4	-82.2	-15.0%	
51.9%	540.0	462.0	-78.0	-14.5%	
53.1%	518.4	450.1	-68.3	-13.2%	
54.3%	413.0	412.0	-1.0	-0.2%	
55.6%	388.4	374.2	-14.2	-3.7%	
56.8%	360.6	356.4	-4.2	-1.2%	
58.0%	352.0	335.6	-16.4	-4.7%	
59.3%	347.9	329.5	-18.4	-5.3%	
60.5%	334.0	327.1	-6.9	-2.1%	
61.7%	331.3	325.7	-5.6	-1.7%	
63.0%	328.5	323.1	-5.4	-1.7%	
64.2%	327.5	322.0	-5.5	-1.7%	
65.4%	326.7	319.1	-7.6	-2.3%	
66.7%	323.1	318.5	-4.6	-1.4%	
67.9%	323.1	317.7	-5.4	-1.7%	
69.1%	319.2	316.7	-2.5	-0.8%	
70.4%	315.1	314.3	-0.8	-0.2%	
71.6%	314.3	310.7	-3.5	-1.1%	
72.8%	312.5	310.1	-2.4	-0.8%	
74.1%	311.8	309.4	-2.4	-0.8%	
75.3%	309.6	306.1	-3.5	-1.1%	
76.5%	309.5	304.5	-5.0	-1.6%	
77.8%	309.0	302.0	-7.0	-2.3%	
79.0%	306.6	301.7	-4.9	-1.6%	
80.2%	303.1	301.3	-1.7	-0.6%	
81.5%	300.6	300.9	0.3	0.1%	
82.7%	299.6	297.7	-1.9	-0.6%	
84.0%	298.9	296.9	-2.0	-0.7%	
85.2%	298.0	296.8	-1.3	-0.4%	
86.4%	296.6	296.6	0.0	0.0%	
87.7%	297.7	295.7	-1.9	-0.6%	
88.9%	293.5	293.7	0.2	0.1%	
90.1%	292.0	293.0	1.0	0.4%	
91.4%	291.8	291.5	-0.3	-0.1%	
92.6%	291.7	289.5	-2.2	-0.7%	
93.8%	291.3	288.7	-2.6	-0.9%	
95.1%	291.2	287.0	-4.2	-1.4%	
96.3%	286.3	285.7	-0.6	-0.2%	
97.5%	267.5	262.6	-4.9	-1.8%	
98.8%	226.2	227.4	1.1	0.5%	
100.0%	194.7	208.5	13.8	7.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project		Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	857.8	930.9	73.1	8.5%	
1.2%	851.0	824.0	-27.0	-3.2%	
2.5%	796.6	823.7	27.1	3.4%	
3.7%	771.6	801.9	30.3	3.9%	
4.9%	751.9	767.7	15.8	2.1%	
6.2%	747.1	758.3	11.1	1.5%	
7.4%	744.5	749.5	5.0	0.7%	
8.6%	740.5	729.0	-11.6	-1.6%	
9.9%	733.3	710.7	-22.6	-3.1%	
11.1%	728.3	705.0	-21.3	-2.9%	
12.3%	726.1	705.0	-21.1	-2.9%	
13.6%	717.9	689.4	-28.5	-4.0%	
14.8%	716.6	682.2	-34.4	-4.8%	
16.0%	714.5	678.4	-36.1	-5.1%	
17.3%	700.7	673.1	-27.6	-3.9%	
18.5%	700.0	666.0	-32.0	-4.6%	
19.8%	699.8	665.4	-34.4	-4.9%	
21.0%	694.5	653.9	-40.5	-5.8%	
22.2%	691.5	650.1	-41.4	-6.0%	
23.5%	687.9	648.5	-39.4	-5.7%	
24.7%	669.0	647.3	-21.8	-3.3%	
25.9%	669.0	623.8	-45.2	-6.8%	
27.2%	653.3	641.0	-12.2	-1.9%	
28.4%	647.9	636.6	-11.4	-1.8%	
29.6%	647.5	636.5	-11.0	-1.7%	
30.9%	646.7	628.6	-18.1	-2.8%	
32.1%	633.7	622.4	-11.3	-1.8%	
33.3%	629.7	622.0	-7.7	-1.2%	
34.5%	623.0	621.3	-1.6	-0.3%	
35.8%	621.8	620.7	-1.1	-0.2%	
37.0%	616.9	610.2	-6.7	-1.1%	
38.3%	611.4	607.6	-3.8	-0.6%	
39.5%	610.2	580.1	-30.1	-4.9%	
40.7%	605.7	578.6	-27.1	-4.5%	
42.0%	594.7	552.8	-31.9	-5.4%	
43.2%	589.9	560.6	-29.3	-5.0%	
44.4%	584.4	559.6	-24.8	-4.2%	
45.7%	572.1	527.7	-44.4	-7.8%	
46.9%	551.4	509.8	-41.6	-7.5%	
48.1%	489.8	487.0	-2.7	-0.6%	
49.4%	431.2	473.2	42.0	9.7%	
50.6%	425.0	452.6	27.6	6.5%	
51.9%	423.1	416.1	-7.1	-1.7%	
53.1%	421.0	402.8	-18.2	-4.3%	
54.3%	415.8	399.3	-16.6	-4.0%	
55.6%	399.8	388.7	-11.1	-3.3%	
56.8%	398.9	389.5	-9.5	-2.4%	
58.0%	379.3	374.3	-5.0	-1.3%	
59.3%	372.8	366.7	-6.2	-1.7%	
60.5%	365.1	361.3	-3.8	-1.0%	
61.7%	352.9	356.5	3.5	1.0%	
63.0%	350.0	342.7	-7.3	-2.1%	
64.2%	348.0	337.6	-10.4	-3.0%	
65.4%	337.8	335.5	-2.3	-0.7%	
66.7%	335.5	335.1	-0.4	-0.1%	
67.9%	335.3	331.7	-3.6	-1.1%	
69.1%	334.2	335.0	0.8	0.2%	
70.4%	333.9	331.0	-2.9	-0.9%	
71.6%	333.5	330.6	-2.9	-0.9%	
72.8%	329.9	329.5	-0.4	-0.1%	
74.1%	321.4	323.6	2.2	0.7%	
75.3%	317.0	321.0	4.0	1.3%	
76.5%	316.0	314.5	-1.5	-0.5%	
77.8%	315.3	313.6	-1.7	-0.5%	
79.0%	308.5	308.6	0.1	0.0%	
80.2%	304.7	307.0	2.3	0.7%	
81.5%	303.6	305.2	1.6	0.5%	
82.7%	300.7	301.8	1.1	0.4%	
84.0%	300.6	299.9	-0.7	-0.2%	

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	877.0	848.4	-28.5	-3.3%
1.2%	796.3	744.8	-51.5	-6.5%
2.5%	786.5	697.6	-88.9	-11.3%
3.7%	695.9	644.8	-51.1	-7.3%
4.9%	712.8	691.2	-21.6	-3.0%
6.2%	709.5	662.1	-47.4	-6.7%
7.4%	671.0	652.8	-18.2	-2.7%
8.6%	663.8	641.7	-22.0	-3.3%
9.9%	659.4	638.9	-20.5	-3.1%
11.1%	676.7	620.1	-56.6	-8.3%
12.3%	625.4	619.9	-5.5	-0.9%
13.6%	604.3	619.2	14.9	2.5%
14.8%	593.3	609.0	15.7	2.6%
16.0%	591.9	592.4	0.6	0.1%
17.3%	591.8	588.6	-3.1	-0.5%
18.5%	595.6	587.8	-7.8	-1.3%
19.8%	584.1	571.9	-12.3	-2.1%
21.0%	576.7	569.3	-7.4	-1.3%
22.2%	572.0	559.1	-12.9	-2.3%
23.5%	555.8	559.1	3.2	0.6%
24.7%	554.2	558.8	4.6	0.8%
25.9%	553.1	564.0	10.9	2.0%
27.2%	552.7	558.2	5.5	1.0%
28.4%	548.7	552.6	3.9	0.7%
29.6%	542.8	551.2	8.5	1.6%
30.9%	542.1	550.9	8.8	1.6%
32.1%	541.2	548.9	7.7	1.4%
33.3%	538.1	543.1	4.9	0.9%
34.5%	531.4	540.4	9.0	1.7%
35.8%	529.6	540.3	10.6	2.0%
37.0%	527.2	534.5	7.4	1.4%
38.3%	526.9	530.9	4.0	0.8%
39.5%	519.4	526.1	6.7	1.3%
40.7%	517.4	520.5	3.1	0.6%
42.0%	517.1	518.5	-0.5	-0.1%
43.2%	507.5	511.4	3.9	0.8%
44.4%	501.8	505.8	4.0	0.8%
45.7%	496.7	499.4	2.7	0.6%
46.9%	494.8	497.9	3.0	0.6%
48.1%	492.9	497.7	4.8	1.0%
49.4%	491.9	497.2	5.3	1.1%
50.6%	485.6	497.2	11.6	2.4%
51.9%	485.0	496.0	11.0	2.3%
53.1%	483.2	492.9	9.7	2.0%
54.3%	482.0	490.9	8.9	1.9%
55.6%	476.5	490.9	14.4	3.0%
56.8%	475.7	487.1	11.3	2.4%
58.0%	472.5	482.7	10.2	2.2%
59.3%	472.2	480.2	8.0	1.7%
60.5%	469.6	478.8	9.2	2.0%
61.7%	469.4	475.5	6.1	1.3%
63.0%	465.3	472.9	7.7	1.6%
64.2%	464.1	472.2	8.0	1.7%
65.4%	463.1	464.5	1.3	0.3%
66.7%	461.9	461.0	-0.9	-0.2%
67.9%	446.3	451.8	5.6	1.2%
69.1%	444.6	447.5	2.9	0.7%
70.4%	442.2	447.4	5.2	1.2%
71.6%	440.8	442.4	1.6	0.4%
72.8%	428.6	428.9	0.3	0.1%
74.1%	423.2	424.1	0.9	0.2%
75.3%	419.8	421.9	2.1	0.5%
76.5%	417.0	412.0	-5.0	-1.2%
77.8%	410.4	410.9	0.5	0.1%
79.0%	406.5	407.0	0.5	0.1%
80.2%	401.6	402.0	0.6	0.2%
81.5%	392.8	398.4	5.5	1.4%
82.7%	387.9	387.9	0.0	0.0%
84.0%	386.8	383.2	-3.6	-0.9%
85.2%	382.3	380.5	-1.7	-0.5%
86.4%	379.0	379.8	0.8	0.2%
87.7%	371.3	371.6	0.3	0.1%
88.9%	369.2	369.2	0.0	0.0%
90.1%	348.9	349.2	0.3	0.1%
91.4%	343.5	344.1	0.5	0.2%
92.6%	337.2	337.6	0.4	0.1%
93.8%	336.2	335.7	-0.4	-0.1%
95.1%	329.4	331.3	1.9	0.6%
96.3%	327.3	327.4	0.1	0.0%
97.5%	295.8	294.8	-0.9	-0.3%
98.8%	273.4	273.9	0.4	0.2%
100.0%	181.6	181.9	0.3	0.2%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	683.6	666.4	-17.1	-2.5%
1.2%	664.4	654.2	-10.2	-1.5%
2.5%	655.6	650.6	-5.0	-0.8%
3.7%	647.4	645.5	-1.9	-0.3%
4.9%	645.9	592.0	-53.9	-8.3%
6.2%	630.9	583.1	-47.7	-7.6%
7.4%	586.9	581.3	-5.6	-0.9%
8.6%	581.0	573.3	-7.7	-1.3%
9.9%	560.3	561.6	1.3	0.2%
11.1%	551.5	569.3	17.8	3.2%
12.3%	550.0	547.1	-2.9	-0.5%
13.6%	539.7	542.8	3.1	0.6%
14.8%	539.0	541.0	2.0	0.4%
16.0%	538.6	537.3	-1.3	-0.2%
17.3%	538.4	537.1	-1.3	-0.2%
18.5%	531.3	526.5	-4.8	-0.9%
19.8%	525.8	523.8	-2.0	-0.4%
21.0%	525.7	513.4	-12.3	-2.3%
22.2%	511.9	507.8	-4.2	-0.8%
23.5%	507.7	500.9	-6.8	-1.3%
24.7%	497.5	495.7	-1.8	-0.4%
25.9%	493.4	492.8	-0.6	-0.1%
27.2%	489.8	486.2	-3.7	-0.7%
28.4%	482.0	479.9	-2.1	-0.4%
29.6%	475.5	476.4	1.0	0.2%
30.9%	464.0	469.7	5.7	1.2%
32.1%	460.3	468.1	7.8	1.7%
33.3%	458.7	464.7	6.0	1.3%
34.5%	458.2	463.0	4.8	1.0%
35.8%	453.1	462.8	9.8	2.2%
37.0%	450.5	460.9	10.5	2.3%
38.3%	450.3	454.3	4.0	0.9%
39.5%	445.9	451.1	5.2	1.2%
40.7%	440.9	450.4	9.5	2.1%
42.0%	435.1	447.7	12.6	2.9%
43.2%	427.9	442.0	14.1	3.3%
44.4%	424.8	441.7	16.8	4.0%
45.7%	424.4	426.3	1.9	0.5%
46.9%	423.7	426.2	2.5	0.6%
48.1%	423.7	425.4	1.7	0.4%
49.4%	420.1	425.2	5.2	1.2%
50.6%	413.9	423.8	9.9	2.4%
51.9%	409.8	419.8	10.0	2.4%
53.1%	408.1	409.0	0.9	0.2%
54.3%	406.3	408.5	2.2	0.5%
55.6%	406.1	407.8	1.7	0.4%
56.8%	404.3	407.5	3.2	0.8%
58.0%	404.1	407.2	3.1	0.8%
59.3%	403.5	405.6	2.1	0.5%
60.5%	399.9	405.2	5.3	1.3%
61.7%	397.5	399.9	2.5	0.6%
63.0%	397.0	398.6	1.6	0.4%
64.2%	396.6	396.5	-0.1	0.0%
65.4%	391.3	391.3	-0.3	-0.1%
66.7%	385.2	389.3	4.2	1.1%
67.9%	377.4	377.5	0.1	0.0%
69.1%	372.7	372.7	0.0	0.0%
70.4%	372.5	371.7	-0.8	-0.2%
71.6%	363.3	364.4	1.1	0.3%
72.8%	361.1	360.3	-0.7	-0.2%
74.1%	355.0	355.5	0.5	0.1%
75.3%	352.4	352.3	-0.2	0.0%
76.5%	349.4	351.2	1.8	0.5%
77.8%	345.5	350.8	5.3	1.5%
79.0%	345.2	346.0	0.8	0.2%
80.2%	335.3	345.2	9.9	2.9%
81.5%	334.0	335.2	1.2	0.4%
82.7%	333.3	333.2	0.0	0.0%
84.0%	330.8	329.7	-1.1	-0.3%
85.2%	328.5	329.0	0.5	0.2%
86.4%	328.3	328.8	0.5	0.2%
87.7%	317.6	328.2	11.0	3.5%
88.9%	312.3	312.5	0.2	0.1%
90.1%	304.3	305.2	0.9	0.3%
91.4%	300.5	300.9	0.4	0.1%
92.6%	294.7	294.9	0.2	0.1%
93.8%	281.1	284.5	3.4	1.2%
95.1%	276.9	280.9	4.0	1.5%
96.3%	273.7	279.0	5.3	1.9%
97.5%	260.8	260.7	-0.1	-0.1%
98.8%	227.1	227.4	0.3	0.1%
100.0%	224.6	224.8	0.2	0.1%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (UMHOS/CM)	Relative Difference (%)
	Monthly EC (UMHOS/CM)	Monthly EC (UMHOS/CM)		
0.0%	703.9	703.4	-0.5	-0.1%
1.2%	690.4	643.1	-47.3	-6.9%
2.5%	617.9	600.0	-17.8	-2.9%
3.7%	604.5	595.5	-9.0	-1.5%
4.9%	582.6	584.4	1.8	0.3%
6.2%	575.5	572.1	-3.4	-0.6%
7.4%	566.5	567.6	1.1	0.2%
8.6%	562.4	565.6	3.2	0.6%
9.9%	558.5	560.1	1.6	0.3%
11.1%	541.4	545.5	4.0	0.7%
12.3%	536.1	536.4	0.3	0.1%
13.6%	535.4	534.8	-0.6	-0.1%
14.8%	524.7	514.2	-10.5	-2.0%
16.0%	492.2	509.0	16.8	3.4%
17.3%	475.6	493.2	17.6	3.7%
18.5%	472.3	492.2	19.9	4.2%
19.8%	470.8	475.0	4.2	0.9%
21.0%	470.3	473.3	3.0	0.6%
22.2%	468.6	471.4	2.8	0.6%
23.5%	467.1	470.6	3.5	0.7%
24.7%	461.3	467.0	5.7	1.2%
25.9%	456.7	460.8	4.0	0.9%
27.2%	448.5	457.9	9.4	2.1%
28.4%	443.8	453.8	10.0	2.3%
29.6%	443.2	449.2	6.0	1.4%
30.9%	442.6	447.2	4.6	1.0%
32.1%	434.4	444.5	10.1	2.3%
33.3%	431.6	437.4	5.8	1.3%
34.5%	431.1	435.6	4.5	1.0%
35.8%	422.1	432.5	10.4	2.5%
37.0%	419.5	421.7	2.3	0.5%
38.3%	413.0	419.7	6.6	1.6%
39.5%	412.5	413.4	0.9	0.2%
40.7%	412.2	412.9	0.7	0.2%
42.0%	410.0	412.3	2.2	0.5%
43.2%	408.7	410.8	2.2	0.5%
44.4%	391.0	409.5	18.4	4.7%
45.7%	390.2	391.7	1.5	0.4%
46.9%	389.5	391.1	1.5	0.4%
48.1%	389.5	390.7	1.3	0.3%
49.4%	388.8	390.5	1.8	0.5%
50.6%	382.4	382.5	0.1	0.0%
51.9%	377.1	374.3	-2.7	-0.7%
53.1%	369.5	369.8	0.4	0.1%
54.3%	365.3	365.2	-0.1	0.0%
55.6%	354.6	365.5	10.9	3.1%
56.8%	354.6	354.7	0.1	0.0%
58.0%	347.4	348.3	0.8	0.2%
59.3%	345.6	345.6	0.0	0.0%
60.5%	335.2	336.9	1.7	0.5%
61.7%	333.8	334.0	0.1	0.0%
63.0%	333.2	333.2	0.0	0.0%
64.2%	331.3	331.3	0.0	0.0%
65.4%	327.5	327.5	0.0	0.0%
66.7%	317.9	323.0	5.1	1.6%
67.9%	317.1	317.7	0.5	0.2%
69.1%	317.1	317.4	0.3	0.1%
70.4%	316.4	317.3	0.8	0.3%
71.6%	315.1	317.1	2.0	0.6%
72.8%	309.5	309.7	0.2	0.1%
74.1%	306.6	306.6	0.0	0.0%
75.3%	305.6	305.4	-0.2	-0.1%
76.5%	304.8	304.8	0.0	0.0%
77.8%	303.0	303.2	0.2	0.1%
79.0%	302.5	302.6	0.2	0.1%
80.2%	283.2	283.1	-0.1	0.0%
81.5%	278.2	278.2	0.0	0.0%
82.7%	277.2	277.3	0.0	0.0%
84.0%	266.8	267.3	0.4	0.2%
85.2%	265.1	265.2	0.1	0.0%
86.4%	263.8	264.4	0.7	0

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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	568.0	580.8	12.8	2.3%
1.2%	549.0	527.5	-21.6	-3.9%
2.5%	527.0	523.9	-3.2	-0.6%
3.7%	516.0	501.7	-14.3	-2.8%
4.9%	501.4	501.7	0.2	0.0%
6.2%	498.7	501.5	2.8	0.6%
7.4%	492.8	498.5	5.7	1.2%
8.6%	492.2	487.0	-5.2	-1.1%
9.9%	482.1	483.9	1.8	0.4%
11.1%	472.6	483.3	10.6	2.2%
12.3%	470.4	476.6	6.2	1.3%
13.6%	453.7	468.5	14.7	3.2%
14.8%	452.4	455.2	2.7	0.6%
16.0%	446.5	452.1	5.5	1.2%
17.3%	431.4	423.0	-8.4	-1.9%
18.5%	426.8	423.2	-3.6	-0.8%
19.8%	423.5	423.2	-0.3	-0.1%
21.0%	422.3	412.4	-9.8	-2.3%
22.2%	419.8	398.7	-21.1	-5.0%
23.5%	414.7	397.2	-17.5	-4.2%
24.7%	413.8	396.4	-17.4	-4.2%
25.9%	391.6	391.6	0.0	0.0%
27.2%	395.6	393.8	-1.8	-0.4%
28.4%	394.9	393.0	-1.9	-0.5%
29.6%	394.3	392.7	-1.6	-0.4%
30.9%	393.5	392.6	-0.9	-0.2%
32.1%	392.4	391.8	-0.6	-0.2%
33.3%	391.6	391.6	0.0	0.0%
34.5%	388.6	390.1	1.5	0.4%
35.8%	386.0	388.1	2.1	0.6%
37.0%	385.8	387.2	1.3	0.3%
38.3%	382.1	386.7	4.6	1.2%
39.5%	378.6	385.4	6.8	1.8%
40.7%	374.7	381.8	7.0	1.9%
42.0%	373.9	371.9	-2.0	-0.5%
43.2%	367.7	370.8	3.2	0.9%
44.4%	365.0	370.6	5.5	1.5%
45.7%	363.5	370.4	6.8	1.9%
46.9%	363.0	367.6	4.6	1.3%
48.1%	359.9	365.1	5.3	1.5%
49.4%	358.2	363.4	5.2	1.4%
50.6%	355.3	357.1	1.8	0.5%
51.9%	353.7	353.9	0.2	0.1%
53.1%	350.6	352.9	2.3	0.7%
54.3%	350.5	351.6	1.1	0.3%
55.6%	350.0	351.4	1.4	0.4%
56.8%	347.2	347.7	0.5	0.2%
58.0%	345.2	347.7	2.4	0.7%
59.3%	345.2	343.7	-1.5	-0.4%
60.5%	343.3	343.1	-0.2	-0.1%
61.7%	343.1	341.3	-1.9	-0.5%
63.0%	341.2	340.8	-0.4	-0.1%
64.2%	340.2	339.9	-0.3	-0.1%
65.4%	339.6	339.5	-0.1	0.0%
66.7%	338.4	339.1	0.7	0.2%
67.9%	337.3	336.8	-0.5	-0.1%
69.1%	336.7	336.7	0.0	0.0%
70.4%	336.6	336.7	0.0	0.0%
71.6%	336.1	335.9	-0.2	-0.1%
72.8%	333.4	333.4	0.0	0.0%
74.1%	330.7	329.9	-0.7	-0.2%
75.3%	329.1	328.3	-0.8	-0.2%
76.5%	327.8	327.9	0.1	0.0%
77.8%	327.5	327.9	0.4	0.1%
79.0%	327.2	326.0	-1.2	-0.4%
80.2%	325.1	323.6	-1.6	-0.5%
81.5%	322.7	321.8	-0.9	-0.3%
82.7%	321.4	321.3	-0.1	0.0%
84.0%	320.1	320.4	0.3	0.1%
85.2%	319.6	319.6	0.0	0.0%
86.4%	315.6	316.6	1.0	0.3%
87.7%	298.6	298.6	0.0	0.0%
88.9%	285.9	286.1	0.1	0.0%
90.1%	284.4	284.8	0.5	0.2%
91.4%	278.3	279.0	0.7	0.2%
92.6%	275.9	276.4	0.6	0.2%
93.8%	270.2	270.5	0.3	0.1%
95.1%	267.7	268.2	0.5	0.2%
96.3%	266.5	266.8	0.3	0.1%
97.5%	250.8	250.8	0.0	0.0%
98.8%	223.7	224.2	0.5	0.2%
100.0%	205.6	206.7	1.1	0.5%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	575.6	575.5	0.0	0.0%
1.2%	561.5	566.7	4.7	0.8%
2.5%	552.0	536.8	-15.2	-2.8%
3.7%	539.3	502.8	-36.5	-6.8%
4.9%	503.6	495.5	-8.1	-1.6%
6.2%	473.7	464.3	-9.4	-2.0%
7.4%	451.7	450.7	-1.0	-0.2%
8.6%	448.2	448.0	-0.2	0.0%
9.9%	448.0	444.2	-3.8	-0.8%
11.1%	442.4	433.3	-9.2	-2.1%
12.3%	436.2	411.3	-25.0	-5.7%
13.6%	410.8	409.9	-1.0	-0.2%
14.8%	395.9	402.1	6.2	1.6%
16.0%	395.2	398.2	3.0	0.8%
17.3%	387.9	380.7	-7.2	-1.9%
18.5%	377.1	378.4	1.3	0.3%
19.8%	376.1	373.2	-2.9	-0.8%
21.0%	366.4	368.4	2.0	0.5%
22.2%	364.6	366.0	1.5	0.4%
23.5%	363.1	358.5	-4.6	-1.3%
24.7%	363.1	358.0	-5.1	-1.4%
25.9%	359.3	357.7	-1.6	-0.4%
27.2%	357.5	352.4	-5.1	-1.4%
28.4%	350.2	346.8	-3.4	-1.0%
29.6%	336.2	336.8	0.6	0.2%
30.9%	333.5	332.7	-0.8	-0.2%
32.1%	327.8	331.3	3.6	1.1%
33.3%	326.1	330.6	4.6	1.4%
34.5%	322.9	323.2	0.3	0.1%
35.8%	320.2	320.8	0.6	0.2%
37.0%	320.0	318.8	-1.2	-0.4%
38.3%	319.6	317.7	-1.9	-0.6%
39.5%	318.7	317.4	-1.3	-0.4%
40.7%	318.5	316.3	-2.3	-0.7%
42.0%	316.9	316.2	-0.7	-0.2%
43.2%	316.2	316.2	0.0	0.0%
44.4%	314.7	314.6	-0.2	-0.1%
45.7%	314.5	314.2	-0.3	-0.1%
46.9%	314.1	308.7	-5.4	-1.7%
48.1%	309.0	308.4	-0.6	-0.2%
49.4%	308.1	308.2	0.1	0.0%
50.6%	307.7	307.3	-0.4	-0.1%
51.9%	307.2	305.3	-1.9	-0.6%
53.1%	305.4	304.7	-0.7	-0.2%
54.3%	304.6	303.3	-1.3	-0.4%
55.6%	303.9	300.1	-3.8	-1.2%
56.8%	302.9	298.3	-4.6	-1.5%
58.0%	300.6	297.9	-2.8	-0.9%
59.3%	299.9	297.6	-2.3	-0.8%
60.5%	293.9	292.5	-1.4	-0.5%
61.7%	292.5	290.5	-2.0	-0.7%
63.0%	290.2	290.1	0.0	0.0%
64.2%	288.8	289.2	0.4	0.1%
65.4%	287.9	285.0	-2.9	-1.0%
66.7%	285.8	284.2	-1.6	-0.6%
67.9%	284.3	282.1	-2.2	-0.8%
69.1%	284.2	281.0	-3.1	-1.1%
70.4%	283.7	281.0	-2.7	-0.9%
71.6%	282.5	280.8	-1.7	-0.6%
72.8%	281.4	280.6	-0.8	-0.3%
74.1%	280.7	279.6	-1.1	-0.4%
75.3%	279.7	279.3	-0.4	-0.1%
76.5%	278.9	278.5	-0.4	-0.1%
77.8%	277.1	277.1	0.0	0.0%
79.0%	276.2	275.7	-0.5	-0.2%
80.2%	276.0	275.5	-0.5	-0.2%
81.5%	275.1	274.8	-0.3	-0.1%
82.7%	274.1	273.3	-0.8	-0.3%
84.0%	273.7	272.5	-1.2	-0.4%
85.2%	271.4	271.0	-0.4	-0.1%
86.4%	269.6	270.0	0.4	0.2%
87.7%	268.4	268.4	0.0	0.0%
88.9%	267.3	267.6	0.3	0.1%
90.1%	265.9	265.5	-0.5	-0.2%
91.4%	265.1	264.5	-0.6	-0.2%
92.6%	255.2	261.0	5.8	2.3%
93.8%	254.6	255.5	0.9	0.3%
95.1%	253.9	254.3	0.4	0.2%
96.3%	249.4	251.6	2.2	0.9%
97.5%	246.1	245.6	-0.5	-0.2%
98.8%	242.7	241.5	-1.2	-0.5%
100.0%	220.2	220.4	0.2	0.1%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	782.4	787.2	4.9	0.6%
1.2%	740.6	741.8	1.3	0.2%
2.5%	692.6	626.7	-65.9	-9.5%
3.7%	609.8	607.6	-2.2	-0.4%
4.9%	585.0	587.9	2.9	0.5%
6.2%	577.2	577.0	-0.3	0.0%
7.4%	564.7	566.2	1.6	0.3%
8.6%	563.6	565.0	1.4	0.2%
9.9%	561.2	559.1	-2.2	-0.4%
11.1%	549.7	557.7	8.0	1.5%
12.3%	542.0	549.1	7.0	1.3%
13.6%	541.9	544.7	2.8	0.5%
14.8%	538.4	534.0	-4.3	-0.8%
16.0%	528.1	529.7	1.6	0.3%
17.3%	526.9	527.4	0.5	0.1%
18.5%	524.6	526.3	1.7	0.3%
19.8%	518.2	514.9	-3.3	-0.6%
21.0%	507.7	513.0	5.2	1.0%
22.2%	479.5	496.7	17.2	3.6%
23.5%	459.1	483.3	24.2	5.3%
24.7%	456.4	475.5	19.1	4.2%
25.9%	448.0	468.0	20.0	4.5%
27.2%	439.8	438.7	-1.1	-0.2%
28.4%	432.4	434.7	2.3	0.5%
29.6%	428.8	432.8	4.0	0.9%
30.9%	424.1	427.5	3.4	0.8%
32.1%	417.3	418.0	0.7	0.2%
33.3%	411.9	412.6	0.6	0.2%
34.5%	411.7	408.7	-3.0	-0.7%
35.8%	409.4	407.5	-1.9	-0.5%
37.0%	409.1	406.9	-2.2	-0.5%
38.3%	406.7	399.2	-7.5	-1.9%
39.5%	397.4	397.2	-0.2	-0.1%
40.7%	393.7	395.1	1.4	0.3%
42.0%	392.4	392.8	0.4	0.1%
43.2%	390.1	388.1	-2.0	-0.5%
44.4%	388.8	388.1	-0.7	-0.2%
45.7%	386.7	387.3	0.6	0.2%
46.9%	386.0	387.3	1.3	0.3%
48.1%	381.4	384.6	3.2	0.8%
49.4%	359.0	380.9	21.9	6.1%
50.6%	358.3	378.1	19.8	5.5%
51.9%	352.7	364.7	12.0	3.4%
53.1%	352.6	355.5	2.8	0.8%
54.3%	352.4	354.6	2.2	0.6%
55.6%	348.0	348.8	0.8	0.2%
56.8%	346.8	345.2	-1.6	-0.5%
58.0%	344.2	344.5	0.2	0.1%
59.3%	341.0	341.8	0.8	0.2%
60.5%	338.7	337.5	-1.2	-0.4%
61.7%	332.1	336.2	4.0	1.2%
63.0%	327.0	331.8	4.8	1.5%
64.2%	324.0	325.6	1.6	0.5%
65.4%	320.9	322.8	1.8	0.6%
66.7%	318.8	319.3	0.5	0.2%
67.9%	318.3	314.2	-4.0	-1.3%
69.1%	317.0	314.1	-2.9	-0.9%
70.4%	314.7	312.0	-2.7	-0.9%
71.6%	313.0	311.0	-2.0	-0.6%
72.8%	312.4	310.5	-2.0	-0.6%
74.1%	312.0	309.5	-2.6	-0.8%
75.3%	311.3	309.4	-1.9	-0.6%
76.5%	309.9	309.3	-0.6	-0.2%
77.8%	309.7	306.9	-2.7	-0.9%
79.0%	309.5	306.9	-2.6	-0.9%
80.2%	309.1	304.6	-4.6	-1.5%
81.5%	307.8	303.7	-4.1	-1.3%
82.7%	306.7	301.6	-5.2	-1.7%
84.0%	305.2	301.4	-3.8	-1.2%
85.2%	302.3	298.3	-4.1	-1.3%
86.4%	300.3	297.1	-3.2	-1.1%
87.7%	300.1	297.0	-3.2	-1.1%
88.9%	297.4	294.7	-2.7</	

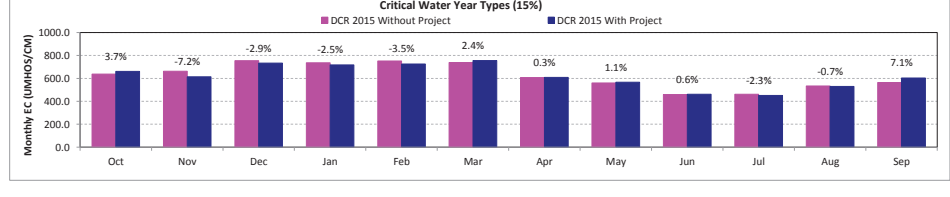
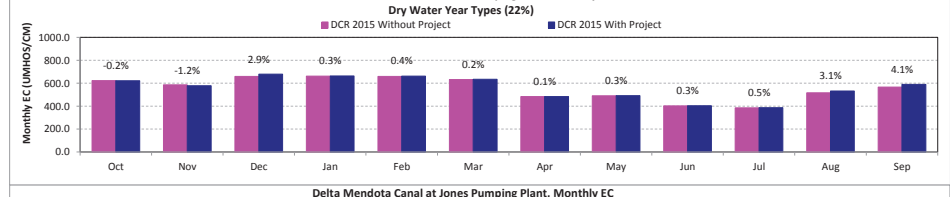
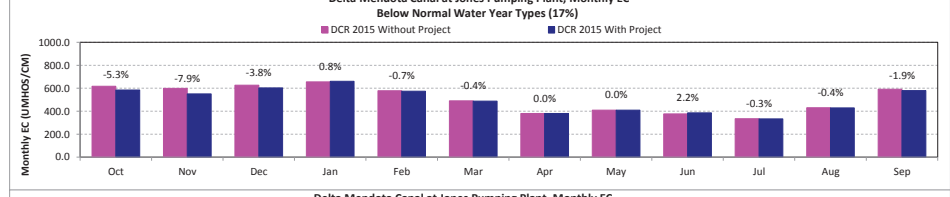
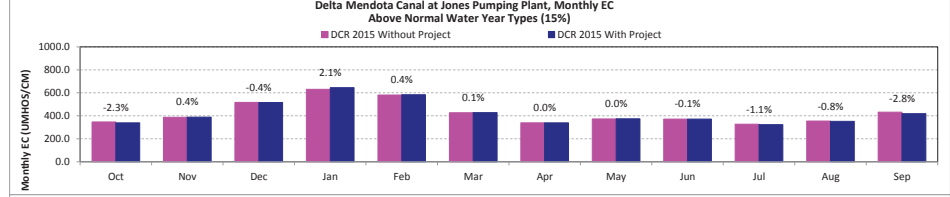
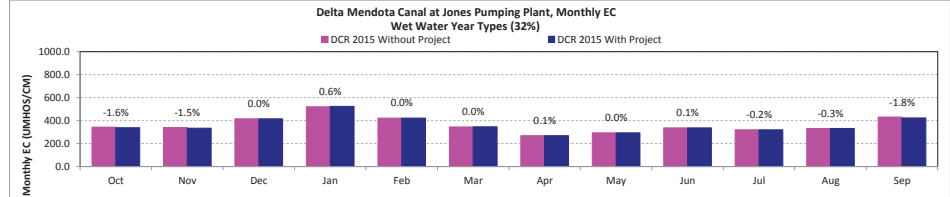
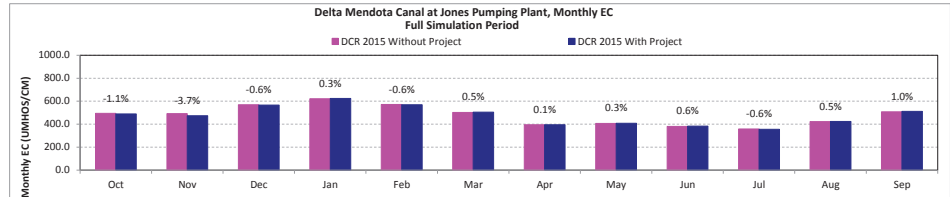
Table SQ-32-a  
Delta Mendota Canal at Jones Pumping Plant, Monthly EC  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	495.1	491.8	569.5	622.2	572.4	502.3	394.6	407.0	380.7	358.4	421.9	507.2
DCR 2015 With Project	489.7	473.7	566.2	623.7	568.7	505.0	395.0	408.2	382.8	356.4	423.9	512.1
Difference	-5.4	-18.1	-3.3	1.6	-3.7	2.7	0.4	1.2	2.1	-2.0	2.0	4.9
Percent Difference	-1.1%	-3.7%	-0.6%	0.3%	-0.6%	0.5%	0.1%	0.3%	0.6%	-0.6%	0.5%	1.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	343.8	339.2	415.0	520.4	421.5	345.2	268.9	293.6	336.2	320.3	331.8	430.3
DCR 2015 With Project	338.2	334.1	415.1	523.7	421.5	345.3	269.1	293.8	336.5	319.6	330.9	422.5
Difference	-5.6	-5.1	0.1	3.2	0.0	0.2	0.2	0.1	0.3	-0.7	-0.9	-7.8
Percent Difference	-1.6%	-1.5%	0.0%	0.6%	0.0%	0.0%	0.1%	0.0%	0.1%	-0.2%	-0.3%	-1.8%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	346.5	386.5	517.4	631.3	581.3	426.6	338.3	373.4	371.4	326.4	353.9	431.1
DCR 2015 With Project	338.4	388.0	515.5	644.6	583.5	427.2	338.4	373.4	371.1	322.7	351.1	419.2
Difference	-8.1	1.5	-1.9	13.3	2.2	0.6	0.1	0.0	-0.3	-3.7	-2.8	-11.9
Percent Difference	-2.3%	0.4%	-0.4%	2.1%	0.4%	0.1%	0.0%	0.0%	-0.1%	-1.1%	-0.8%	-2.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	617.7	598.7	626.3	655.2	578.6	489.7	380.9	409.0	376.8	334.4	430.2	591.1
DCR 2015 With Project	585.1	551.1	602.5	660.3	574.7	487.8	380.9	409.0	385.0	333.4	428.4	579.8
Difference	-32.6	-47.6	-23.8	5.1	-3.8	-2.0	0.0	0.1	8.2	-1.0	-1.8	-11.3
Percent Difference	-5.3%	-7.9%	-3.8%	0.8%	-0.7%	-0.4%	0.0%	0.0%	2.2%	-0.3%	-0.4%	-1.9%
<b>Dry (22%)</b>												
DCR 2015 Without Project	622.0	585.8	659.6	661.4	659.6	632.4	482.8	489.6	401.7	384.6	516.0	566.1
DCR 2015 With Project	620.6	578.6	678.6	663.3	662.2	633.7	483.1	490.9	402.8	386.5	532.2	589.6
Difference	-1.4	-7.2	19.0	1.9	2.5	1.3	0.3	1.3	1.1	1.9	16.2	23.5
Percent Difference	-0.2%	-1.2%	2.9%	0.3%	0.4%	0.2%	0.1%	0.3%	0.3%	0.5%	3.1%	4.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	637.9	662.0	754.8	736.0	752.2	738.1	607.0	560.3	459.2	462.0	534.3	564.0
DCR 2015 With Project	661.7	614.5	732.9	717.7	725.6	756.1	608.8	566.2	462.1	451.6	530.4	604.0
Difference	23.8	-47.5	-21.9	-18.4	-26.7	18.0	1.8	5.9	3.0	-10.4	-3.9	40.0
Percent Difference	3.7%	-7.2%	-2.9%	-2.5%	-3.5%	2.4%	0.3%	1.1%	0.6%	-2.3%	-0.7%	7.1%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average



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

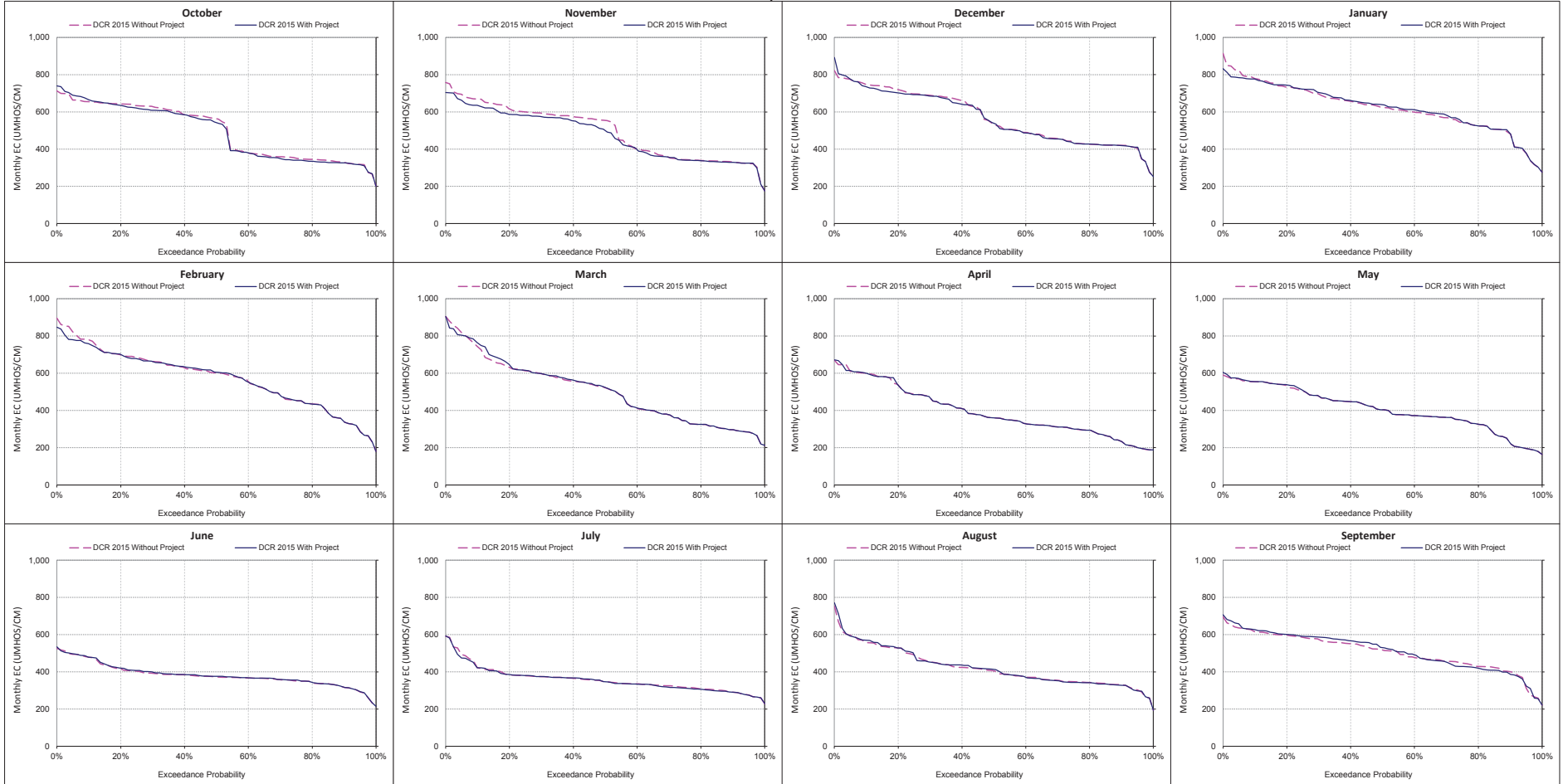


Table SQ-32-b  
Delta Mendota Canal at Jones Pumping Plant, Monthly EC  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	712.8	740.3	27.6	3.9%	
1.2%	699.6	735.4	35.8	5.1%	
2.5%	686.6	710.3	23.7	3.4%	
3.7%	696.6	703.7	7.1	1.0%	
4.9%	663.8	690.6	26.7	4.0%	
6.2%	663.8	685.6	21.8	3.3%	
7.4%	660.3	682.3	22.0	3.3%	
8.6%	655.5	675.9	20.4	3.1%	
9.9%	654.9	665.1	10.1	1.5%	
11.1%	653.1	657.9	4.8	0.7%	
12.3%	652.8	655.4	2.6	0.4%	
13.6%	648.9	652.1	3.2	0.5%	
14.8%	648.2	648.5	0.3	0.0%	
16.0%	645.5	646.8	1.3	0.2%	
17.3%	644.6	640.9	-3.7	-0.6%	
18.5%	644.1	639.0	-5.1	-0.8%	
19.8%	642.6	635.9	-6.7	-1.0%	
21.0%	642.3	631.5	-10.8	-1.7%	
22.2%	641.4	625.6	-15.8	-2.5%	
23.5%	641.2	623.8	-17.4	-2.7%	
24.7%	633.8	621.3	-12.4	-2.0%	
25.9%	618.5	606.7	-11.8	-1.9%	
27.2%	631.2	613.8	-17.4	-2.8%	
28.4%	630.9	612.7	-18.2	-2.9%	
29.6%	630.4	609.2	-21.2	-3.4%	
30.9%	624.4	609.1	-15.3	-2.4%	
32.1%	622.3	607.8	-14.6	-2.3%	
33.3%	618.5	606.7	-11.8	-1.9%	
34.5%	611.9	605.8	-6.1	-1.0%	
35.8%	609.5	599.2	-10.3	-1.7%	
37.0%	602.8	591.7	-11.2	-1.9%	
38.3%	602.4	588.7	-13.7	-2.3%	
39.5%	586.7	586.0	-0.6	-0.1%	
40.7%	582.4	582.3	0.0	0.0%	
42.0%	581.9	575.0	-6.8	-1.2%	
43.2%	580.2	570.4	-9.8	-1.7%	
44.4%	578.6	562.5	-16.1	-2.8%	
45.7%	578.1	558.4	-19.8	-3.4%	
46.9%	572.5	557.1	-15.4	-2.7%	
48.1%	567.8	556.7	-11.1	-2.0%	
49.4%	565.6	546.2	-19.5	-3.4%	
50.6%	560.8	538.3	-22.5	-4.0%	
51.9%	546.0	532.7	-13.4	-2.5%	
53.1%	537.0	506.6	-30.4	-5.7%	
54.3%	400.7	391.2	-9.5	-2.4%	
55.6%	400.3	391.1	-9.2	-2.3%	
56.8%	399.8	390.3	-9.5	-2.4%	
58.0%	389.3	382.8	-6.5	-1.7%	
59.3%	378.5	382.5	4.0	1.1%	
60.5%	378.0	377.9	-0.1	0.0%	
61.7%	375.3	373.5	-1.8	-0.5%	
63.0%	373.3	362.2	-11.1	-3.0%	
64.2%	372.5	360.2	-12.3	-3.3%	
65.4%	369.1	359.3	-9.7	-2.6%	
66.7%	361.6	354.9	-6.7	-1.9%	
67.9%	359.4	354.4	-5.0	-1.4%	
69.1%	359.3	353.3	-6.1	-1.7%	
70.4%	359.1	347.5	-11.5	-3.2%	
71.6%	357.3	342.8	-14.5	-4.1%	
72.8%	357.0	342.6	-14.5	-4.1%	
74.1%	354.8	340.8	-14.0	-3.9%	
75.3%	349.6	340.7	-9.0	-2.6%	
76.5%	346.7	340.6	-6.1	-1.8%	
77.8%	346.3	336.9	-9.5	-2.7%	
79.0%	345.2	334.7	-10.5	-3.0%	
80.2%	345.0	327.0	-18.0	-5.2%	
81.5%	343.8	331.5	-12.3	-3.6%	
82.7%	342.0	330.6	-11.5	-3.3%	
84.0%	340.9	329.8	-11.1	-3.3%	
85.2%	338.3	328.2	-10.2	-3.0%	
86.4%	336.3	327.2	-9.1	-2.7%	
87.7%	332.2	327.0	-5.2	-1.6%	
88.9%	331.7	326.3	-5.4	-1.6%	
90.1%	327.9	325.7	-2.2	-0.7%	
91.4%	322.1	324.0	1.9	0.6%	
92.6%	321.7	320.6	-1.2	-0.4%	
93.8%	318.4	317.9	-0.5	-0.2%	
95.1%	317.8	316.0	-1.8	-0.6%	
96.3%	317.0	310.0	-7.1	-2.3%	
97.5%	274.3	274.3	0.0	0.0%	
98.8%	265.9	267.3	1.4	0.5%	
100.0%	201.6	201.1	-0.5	-0.2%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	758.0	703.9	-54.1	-7.1%	
1.2%	751.3	703.1	-48.2	-6.4%	
2.5%	707.9	701.9	-6.0	-0.8%	
3.7%	697.8	672.1	-25.7	-3.7%	
4.9%	694.6	663.2	-31.5	-4.5%	
6.2%	679.7	645.4	-34.3	-5.0%	
7.4%	674.8	639.2	-35.5	-5.3%	
8.6%	670.5	636.0	-34.4	-5.1%	
9.9%	669.2	635.4	-33.8	-5.0%	
11.1%	668.2	629.2	-39.0	-5.8%	
12.3%	651.2	622.1	-29.1	-4.5%	
13.6%	648.4	622.0	-26.4	-4.1%	
14.8%	646.0	620.0	-26.0	-4.0%	
16.0%	640.0	606.5	-33.6	-5.2%	
17.3%	638.0	594.8	-43.1	-6.8%	
18.5%	637.3	584.3	-53.1	-8.3%	
19.8%	618.0	587.1	-30.9	-5.0%	
21.0%	608.0	586.3	-21.7	-3.6%	
22.2%	603.5	585.6	-17.9	-3.0%	
23.5%	602.8	581.5	-21.3	-3.5%	
24.7%	600.4	581.1	-19.3	-3.2%	
25.9%	598.1	568.0	-30.1	-5.0%	
27.2%	596.4	577.9	-18.5	-3.1%	
28.4%	595.1	577.3	-17.8	-3.0%	
29.6%	594.6	576.2	-18.4	-3.1%	
30.9%	589.3	571.9	-17.3	-2.9%	
32.1%	588.2	570.3	-17.9	-3.0%	
33.3%	585.9	570.2	-15.7	-2.7%	
34.5%	581.3	569.1	-12.2	-2.1%	
35.8%	580.0	569.0	-10.9	-1.9%	
37.0%	579.6	562.8	-16.7	-2.9%	
38.3%	579.6	561.2	-18.3	-3.2%	
39.5%	575.8	552.9	-23.0	-4.0%	
40.7%	572.2	550.3	-21.8	-3.8%	
42.0%	570.3	549.0	-21.3	-3.7%	
43.2%	568.1	535.3	-32.8	-5.8%	
44.4%	564.3	531.2	-33.0	-5.9%	
45.7%	563.7	531.0	-32.7	-5.8%	
46.9%	559.8	524.8	-34.9	-6.2%	
48.1%	556.6	511.1	-45.5	-8.2%	
49.4%	555.2	507.3	-47.9	-8.6%	
50.6%	553.0	491.3	-61.7	-11.2%	
51.9%	546.1	488.0	-58.1	-10.6%	
53.1%	527.3	458.0	-69.4	-13.2%	
54.3%	449.0	447.8	-1.1	-0.3%	
55.6%	447.3	423.1	-24.2	-5.4%	
56.8%	423.6	417.7	-6.0	-1.4%	
58.0%	417.7	413.7	-4.0	-1.0%	
59.3%	403.4	408.7	5.3	1.3%	
60.5%	402.3	389.0	-13.3	-3.3%	
61.7%	393.3	386.4	-6.9	-1.8%	
63.0%	392.2	378.6	-13.6	-3.5%	
64.2%	387.2	367.6	-19.6	-5.1%	
65.4%	380.0	363.5	-16.5	-4.3%	
66.7%	369.4	361.3	-8.1	-2.2%	
67.9%	365.7	360.7	-5.1	-1.4%	
69.1%	363.0	359.0	-4.0	-1.1%	
70.4%	352.1	354.1	2.0	0.6%	
71.6%	349.7	354.1	4.4	1.3%	
72.8%	348.8	342.5	-6.3	-1.8%	
74.1%	343.5	342.4	-1.1	-0.3%	
75.3%	343.2	341.0	-2.2	-0.6%	
76.5%	342.5	339.9	-2.6	-0.8%	
77.8%	340.5	339.1	-1.4	-0.4%	
79.0%	340.4	338.5	-1.8	-0.5%	
80.2%	336.6	338.2	1.6	0.5%	
81.5%	337.9	335.4	-2.4	-0.7%	
82.7%	337.1	333.4	-3.7	-1.1%	
84.0%	336.5	333.1	-3.3	-1.0%	
85.2%	335.6	331.3	-4.2	-1.3%	
86.4%	333.8	331.0	-2.8	-0.8%	
87.7%	332.7	329.7	-3.0	-0.9%	
88.9%	332.9	329.1	-3.8	-1.1%	
90.1%	329.7	328.3	-1.4	-0.4%	
91.4%	327.7	327.5	-0.2	0.0%	
92.6%	325.7	325.3	-0.4	-0.1%	
93.8%	324.3	324.3	0.0	0.0%	
95.1%	322.0	324.2	2.2	0.7%	
96.3%	317.8	321.4	3.6	1.1%	
97.5%	303.1	299.0	-4.1	-1.4%	
98.8%	209.9	211.1	1.2	0.6%	
100.0%	176.0	174.9	-1.1	-0.6%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)	
0.0%	822.1	892.0	69.9	8.5%	
1.2%	794.1	805.2	21.1	2.7%	
2.5%	764.0	798.7	34.7	4.5%	
3.7%	778.8	780.7	13.2	1.7%	
4.9%	775.2	776.8	1.5	0.2%	
6.2%	762.6	764.2	1.7	0.2%	
7.4%	762.5	761.7	-0.8	-0.1%	
8.6%	756.7	740.8	-15.9	-2.1%	
9.9%	747.8	735.7	-12.2	-1.6%	
11.1%	744.7	727.9	-16.9	-2.3%	
12.3%	741.9	726.8	-15.1	-2.0%	
13.6%	741.4	721.8	-19.6	-2.6%	
14.8%	740.1	713.4	-26.7	-3.6%	
16.0%	734.6	711.2	-23.5	-3.2%	
17.3%	733.8	708.6	-25.2	-3.4%	
18.5%	724.5	705.0	-19.5	-2.7%	
19.8%	720.9	702.6	-18.3	-2.5%	
21.0%	715.1	700.3	-14.9	-2.1%	
22.2%	709.1	695.8	-13.3	-1.9%	
23.5%	699.3	695.8	-3.5	-0.5%	
24.7%	697.0	693.3	-3.7	-0.5%	
25.9%	694.1	686.2	-7.9	-1.1%	
27.2%	695.2	690.7	-4.6	-0.7%	
28.4%	691.2	689.7	-1.5	-0.2%	
29.6%	689.7	685.8	-3.9	-0.6%	
30.9%	687.1	684.6	-2.4	-0.4%	
32.1%	684.7	683.9	-0.8	-0.1%	
33.3%	684.1	676.6	-7.3	-1.1%	
34.5%	679.7	673.2	-6.5	-1.0%	
35.8%	678.4	668.0	-10.4	-1.5%	
37.0%	673.6	650.2	-23.4	-3.5%	
38.3%	668.3	647.7	-20.6	-3.1%	
39.5%	662.6	642.5	-20.2	-3.0%	
40.7%	660.0	639.1	-20.9	-3.2%	
42.0%	635.5	638.9	3.3	0.5%	
43.2%	629.6	635.2	5.6	0.9%	
44.4%	628.1	613.6	-14.5	-2.3%	
45.7%	610.1	612.6	2.5	0.4%	
46.9%	560.3	568.0	7.7	1.4%	
48.1%	554.6	555.9	1.3	0.2%	
49.4%	539.3	542.3	3.0	0.6%	
50.6%	527.3	533.9	6.7	1.3%	
51.9%	522.9	510.5	-12.3	-2.4%	
53.1%	507.6	505.4	-2.2	-0.4%	
54.3%	505.7	505.4	-0.4	-0.1%	
55.6%	505.6	504.0	-1.6	-0.3%	
56.8%	504.5	500.7	-3.8	-0.8%	
58.0%	496.4	498.1	1.7	0.3%	
59.3%	489.7	488.0	-1.7	-0.3%	
60.5%	489.0	485.8	-3.2	-0.7%	
61.7%	481.0	483.9	2.9	0.6%	
63.0%	480.9	477.9	-3.0	-0.6%	
64.2%	480.2	477.8	-2.4	-0.5%	
65.4%	472.2	461.1			

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	895.8	846.8	-49.0	-5.5%
1.2%	862.5	838.1	-24.4	-2.8%
2.5%	854.3	804.1	-50.2	-5.9%
3.7%	851.0	782.0	-69.8	-8.2%
4.9%	822.6	780.5	-42.1	-5.1%
6.2%	802.9	776.6	-26.4	-3.3%
7.4%	783.2	775.5	-7.7	-1.0%
8.6%	782.5	762.5	-20.0	-2.6%
9.9%	779.8	759.6	-20.2	-2.6%
11.1%	772.1	748.8	-23.2	-3.0%
12.3%	749.3	739.1	-10.3	-1.4%
13.6%	729.1	723.1	-6.0	-0.8%
14.8%	712.2	712.4	0.2	0.0%
16.0%	712.1	711.6	-0.6	-0.1%
17.3%	705.1	706.6	1.5	0.2%
18.5%	704.2	704.7	0.4	0.1%
19.8%	699.6	703.6	4.0	0.6%
21.0%	692.4	691.3	-1.1	-0.2%
22.2%	690.9	683.9	-7.0	-1.0%
23.5%	690.8	678.9	-11.9	-1.7%
24.7%	686.0	678.6	-7.3	-1.1%
25.9%	675.4	675.4	0.0	0.0%
27.2%	675.7	666.3	-9.3	-1.4%
28.4%	668.3	665.5	-2.8	-0.4%
29.6%	664.2	665.5	1.3	0.2%
30.9%	662.1	657.7	-4.4	-0.7%
32.1%	660.6	655.6	-5.0	-0.8%
33.3%	656.4	654.3	-2.1	-0.3%
34.5%	643.7	648.6	4.9	0.8%
35.8%	643.3	646.2	2.9	0.4%
37.0%	638.3	640.2	1.9	0.3%
38.3%	636.5	637.3	0.8	0.1%
39.5%	632.4	636.7	4.3	0.7%
40.7%	623.6	632.2	8.7	1.4%
42.0%	623.4	629.1	5.7	0.9%
43.2%	620.2	628.0	7.8	1.3%
44.4%	617.1	623.1	6.0	1.0%
45.7%	613.3	618.5	5.2	0.9%
46.9%	612.9	617.7	4.8	0.8%
48.1%	604.4	617.1	12.7	2.1%
49.4%	601.9	608.3	6.3	1.0%
50.6%	600.4	604.8	4.3	0.7%
51.9%	600.1	602.4	2.3	0.4%
53.1%	593.5	601.5	8.1	1.4%
54.3%	587.7	596.4	8.7	1.5%
55.6%	582.0	588.0	6.0	1.0%
56.8%	578.5	578.6	0.1	0.0%
58.0%	574.8	573.5	-1.3	-0.2%
59.3%	569.2	558.1	-11.0	-1.9%
60.5%	544.7	547.6	2.9	0.5%
61.7%	538.2	538.7	0.5	0.1%
63.0%	527.3	530.8	3.5	0.7%
64.2%	523.3	524.9	1.6	0.3%
65.4%	515.2	515.2	0.0	0.0%
66.7%	502.5	502.4	0.0	0.0%
67.9%	495.0	495.4	0.4	0.1%
69.1%	494.4	494.9	0.5	0.1%
70.4%	479.0	474.9	-4.1	-0.9%
71.6%	460.3	466.2	5.9	1.3%
72.8%	458.2	461.6	3.5	0.8%
74.1%	455.6	455.9	0.3	0.1%
75.3%	452.5	452.9	0.3	0.1%
76.5%	451.3	452.3	0.9	0.2%
77.8%	439.4	437.5	-1.9	-0.4%
79.0%	437.3	436.4	-0.9	-0.2%
80.2%	434.6	434.6	-1.5	-0.3%
81.5%	433.1	432.6	-0.6	-0.1%
82.7%	432.6	429.3	-3.3	-0.8%
84.0%	408.0	407.5	-0.5	-0.1%
85.2%	382.9	383.2	0.3	0.1%
86.4%	364.8	365.2	0.4	0.1%
87.7%	360.3	360.7	0.4	0.1%
88.9%	358.1	358.5	0.4	0.1%
90.1%	337.1	337.3	0.2	0.1%
91.4%	329.5	330.2	0.8	0.2%
92.6%	326.1	326.2	0.1	0.0%
93.8%	319.4	320.2	0.8	0.3%
95.1%	286.0	286.1	0.0	0.0%
96.3%	286.4	286.4	-0.1	-0.1%
97.5%	263.7	263.8	0.0	0.0%
98.8%	230.7	231.0	0.3	0.1%
100.0%	180.7	180.5	-0.2	-0.1%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	905.0	905.0	0.0	0.0%
1.2%	879.3	843.7	-35.6	-4.0%
2.5%	857.4	839.3	-18.6	-2.2%
3.7%	842.0	842.0	0.0	0.0%
4.9%	818.5	804.5	-14.1	-1.7%
6.2%	803.9	800.5	-3.4	-0.4%
7.4%	783.2	790.3	7.1	0.9%
8.6%	764.4	785.1	20.7	2.7%
9.9%	744.5	764.5	20.0	2.7%
11.1%	725.7	748.3	22.6	3.1%
12.3%	685.0	742.2	57.2	8.4%
13.6%	676.0	700.0	24.0	3.5%
14.8%	666.6	691.3	24.7	3.7%
16.0%	655.3	684.5	29.3	4.5%
17.3%	652.1	676.7	24.6	3.8%
18.5%	642.9	665.0	22.1	3.4%
19.8%	633.0	649.8	16.8	2.6%
21.0%	622.9	624.5	1.6	0.3%
22.2%	622.2	619.0	-3.2	-0.5%
23.5%	621.4	617.6	-3.7	-0.6%
24.7%	613.4	616.8	3.4	0.5%
25.9%	615.4	613.2	-2.2	-0.4%
27.2%	609.5	603.6	-5.9	-1.0%
28.4%	603.5	599.9	-3.6	-0.6%
29.6%	599.0	599.7	0.7	0.1%
30.9%	593.6	594.4	0.7	0.1%
32.1%	586.2	589.3	3.1	0.5%
33.3%	585.7	586.5	0.8	0.1%
34.5%	577.3	586.3	9.0	1.6%
35.8%	576.8	577.9	1.1	0.2%
37.0%	565.0	574.5	9.5	1.7%
38.3%	560.9	567.3	6.4	1.1%
39.5%	557.8	565.6	7.8	1.4%
40.7%	555.8	558.8	3.0	0.7%
42.0%	553.0	553.4	0.4	0.1%
43.2%	552.6	552.7	0.1	0.0%
44.4%	544.3	546.1	1.8	0.3%
45.7%	540.5	545.4	4.9	0.9%
46.9%	534.4	534.5	0.2	0.0%
48.1%	527.3	534.4	7.0	1.3%
49.4%	525.9	527.9	1.9	0.4%
50.6%	518.4	519.3	0.9	0.2%
51.9%	509.6	510.1	0.4	0.1%
53.1%	503.6	504.2	0.6	0.1%
54.3%	487.5	488.2	0.7	0.1%
55.6%	478.8	478.8	0.0	0.0%
56.8%	438.8	435.8	-3.0	-0.7%
58.0%	421.7	421.8	0.1	0.0%
59.3%	417.4	417.4	0.0	0.0%
60.5%	408.1	410.3	2.2	0.5%
61.7%	405.6	408.1	2.5	0.6%
63.0%	403.4	402.1	-1.3	-0.3%
64.2%	399.7	400.8	1.1	0.3%
65.4%	396.9	397.4	0.4	0.1%
66.7%	387.6	388.3	0.7	0.2%
67.9%	380.5	381.5	1.1	0.3%
69.1%	380.1	380.5	0.3	0.1%
70.4%	374.6	375.0	0.4	0.1%
71.6%	360.8	361.3	0.5	0.2%
72.8%	359.2	360.6	1.3	0.4%
74.1%	346.7	346.3	-0.3	-0.1%
75.3%	344.2	344.4	0.2	0.1%
76.5%	327.8	328.4	0.6	0.2%
77.8%	326.2	326.7	0.4	0.1%
79.0%	325.5	325.1	-0.4	-0.1%
80.2%	324.9	325.1	0.2	0.0%
81.5%	324.7	325.0	0.3	0.1%
82.7%	316.3	316.6	0.4	0.1%
84.0%	316.0	316.1	0.1	0.0%
85.2%	308.6	308.7	0.1	0.0%
86.4%	303.6	304.0	0.4	0.1%
87.7%	302.5	302.5	0.0	0.0%
88.9%	297.8	297.5	-0.3	-0.1%
90.1%	295.8	297.0	1.2	0.4%
91.4%	291.1	290.9	-0.2	-0.1%
92.6%	288.2	288.3	0.1	0.0%
93.8%	285.9	284.9	-1.1	-0.4%
95.1%	284.2	283.8	-0.3	-0.1%
96.3%	276.6	276.6	0.0	0.0%
97.5%	265.6	265.8	0.2	0.1%
98.8%	219.8	219.9	0.1	0.0%
100.0%	212.1	212.4	0.3	0.1%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	670.1	672.0	1.9	0.3%
1.2%	646.2	667.5	21.3	3.3%
2.5%	646.8	646.4	0.6	0.1%
3.7%	645.1	615.2	-29.9	-4.7%
4.9%	610.9	614.4	3.6	0.6%
6.2%	606.7	608.2	1.5	0.3%
7.4%	603.7	607.3	3.6	0.6%
8.6%	601.5	604.9	3.4	0.6%
9.9%	600.5	600.3	-0.2	0.0%
11.1%	597.1	593.7	-3.4	-0.6%
12.3%	592.9	586.4	-6.5	-1.1%
13.6%	583.2	582.7	-0.6	-0.1%
14.8%	581.6	582.0	0.5	0.1%
16.0%	581.2	581.2	0.0	0.0%
17.3%	576.6	576.8	0.2	0.0%
18.5%	546.5	575.7	29.2	5.4%
19.8%	541.2	541.4	0.2	0.0%
21.0%	516.6	516.8	0.2	0.0%
22.2%	494.6	497.8	3.2	0.6%
23.5%	492.9	492.8	0.0	0.0%
24.7%	488.6	485.7	-2.9	-0.6%
25.9%	486.5	486.6	0.1	0.0%
27.2%	484.9	485.0	0.1	0.0%
28.4%	480.6	480.1	-0.5	-0.1%
29.6%	475.2	475.5	0.3	0.1%
30.9%	450.8	450.8	0.0	0.0%
32.1%	447.2	447.3	0.1	0.0%
33.3%	435.1	435.1	-0.1	0.0%
34.5%	433.5	433.8	0.3	0.1%
35.8%	433.1	433.4	0.3	0.1%
37.0%	425.4	425.4	0.0	0.0%
38.3%	413.8	413.8	0.0	0.0%
39.5%	412.0	412.7	0.7	0.2%
40.7%	406.6	406.7	0.1	0.0%
42.0%	383.4	383.5	0.1	0.0%
43.2%	382.7	382.7	0.0	0.0%
44.4%	378.7	378.6	-0.1	0.0%
45.7%	376.7	376.7	0.0	0.0%
46.9%	368.9	368.9	0.0	0.0%
48.1%	362.9	362.6	-0.3	-0.1%
49.4%	360.3	360.4	0.1	0.0%
50.6%	359.9	359.9	0.0	0.0%
51.9%	358.7	358.7	0.0	0.0%
53.1%	353.8	352.8	-1.0	-0.3%
54.3%	348.7	349.0	0.2	0.1%
55.6%	348.5	348.5	0.0	0.0%
56.8%	345.9	345.9	0.0	0.0%
58.0%	342.7	342.7	0.0	0.0%
59.3%	331.4	331.5	0.1	0.0%
60.5%	326.7	326.7	0.0	0.0%
61.7%	325.0	325.0	0.0	0.0%
63.0%	322.9	322.9	0.0	0.0%
64.2%	321.5	321.6	0.0	0.0%
65.4%	321.4	321.4	0.0	0.0%
66.7%	319.1	319.1	0.0	0.0%
67.9%	316.2	316.2	0.0	0.0%
69.1%	312.8	312.8	-0.1	0.0%
70.4%	311.0	311.0	0.0	0.0%
71.6%	310.2	310.4	0.2	0.1%
72.8%	309.0	309.1	0.0	0.0%
74.1%	303.5	303.5	0.0	0.0%
75.3%	299.9	299.9	0.0	0.0%
76.5%	297.8	299.0	1.3	0.4%
77.8%	295.2	294.9	-0.3	-0.1%
79.0%	294.6	294.7	0.0	0.0%
80.2%	294.0	294.0	0.0	0.0%
81.5%	283.4	283.5	0.1	0.0%
82.7%	274.6	274.5	-0.1	0.0%
84.0%	271.1	271.0	-0.1	0.0%
85.2%	263.9	263.9	0.0	0.0%
86.4%	259.5	259.6	0.2	0.1%
87.7%	242.1	242.5	0.3	0.1%
88.9%	241.5	241.8	0.3	



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

Percent Exceedance Probability (%)	June		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	525.8	534.2	8.5	1.6%
1.2%	518.0	512.3	-5.7	-1.1%
2.5%	512.1	504.7	-7.4	-1.4%
3.7%	498.3	501.0	2.7	0.5%
4.9%	494.1	497.8	3.7	0.7%
6.2%	493.9	494.1	0.2	-0.0%
7.4%	491.2	489.0	-2.2	-0.5%
8.6%	483.0	487.7	4.7	1.0%
9.9%	478.4	478.1	-0.2	0.0%
11.1%	476.4	477.2	0.8	0.2%
12.3%	465.9	473.6	7.8	1.7%
13.6%	443.5	452.1	8.5	1.9%
14.8%	436.6	443.2	6.6	1.5%
16.0%	433.5	434.3	0.7	0.2%
17.3%	424.8	426.9	2.1	0.5%
18.5%	419.0	424.4	5.4	1.3%
19.8%	417.6	419.4	1.8	0.4%
21.0%	408.1	418.4	10.2	2.5%
22.2%	406.9	409.6	2.8	0.7%
23.5%	406.8	409.0	2.2	0.5%
24.7%	404.0	407.6	3.6	0.9%
25.9%	405.6	406.6	1.0	0.2%
27.2%	394.8	402.2	7.6	1.9%
28.4%	393.6	401.0	7.4	1.9%
29.6%	392.7	400.1	7.4	1.9%
30.9%	390.8	395.0	4.2	1.1%
32.1%	389.3	394.2	4.9	1.3%
33.3%	386.3	389.8	3.5	0.9%
34.5%	386.0	389.2	3.3	0.8%
35.8%	385.8	388.6	2.8	0.7%
37.0%	384.5	385.8	1.3	0.3%
38.3%	384.3	385.6	1.3	0.3%
39.5%	384.3	385.5	1.3	0.3%
40.7%	383.6	384.7	1.1	0.3%
42.0%	381.0	384.3	3.4	0.9%
43.2%	378.6	383.8	5.2	1.4%
44.4%	377.3	380.1	2.9	0.8%
45.7%	376.4	377.8	1.4	0.4%
46.9%	375.8	377.2	1.5	0.4%
48.1%	375.3	376.5	1.3	0.3%
49.4%	373.2	375.0	1.8	0.5%
50.6%	371.8	375.4	3.6	1.0%
51.9%	370.7	375.3	4.6	1.2%
53.1%	370.4	373.7	3.2	0.9%
54.3%	369.8	372.6	2.8	0.8%
55.6%	369.5	371.7	2.2	0.6%
56.8%	369.4	370.0	0.6	0.2%
58.0%	368.0	369.0	1.0	0.3%
59.3%	366.7	369.0	2.3	0.6%
60.5%	366.2	366.6	0.5	0.1%
61.7%	365.8	365.6	-0.2	-0.1%
63.0%	365.8	365.6	-0.2	0.0%
64.2%	365.6	365.6	0.0	0.0%
65.4%	364.4	365.5	1.1	0.3%
66.7%	362.7	365.3	2.6	0.7%
67.9%	361.4	364.7	3.3	0.9%
69.1%	359.2	359.2	0.0	0.0%
70.4%	356.5	358.9	2.3	0.7%
71.6%	356.5	357.1	0.7	0.2%
72.8%	356.3	356.3	0.0	0.0%
74.1%	352.1	355.9	3.8	1.1%
75.3%	350.7	355.9	5.2	1.5%
76.5%	350.0	350.4	0.5	0.1%
77.8%	349.8	350.1	0.2	0.1%
79.0%	348.9	348.9	0.0	0.0%
80.2%	338.1	341.9	3.9	1.1%
81.5%	337.8	338.1	0.3	0.1%
82.7%	337.3	336.4	-0.9	-0.3%
84.0%	336.7	335.2	-1.5	-0.5%
85.2%	335.1	335.1	0.0	0.0%
86.4%	331.9	332.2	0.3	0.1%
87.7%	328.2	327.7	-0.5	-0.2%
88.9%	322.5	322.7	0.2	0.1%
90.1%	315.8	316.3	0.5	0.1%
91.4%	313.2	314.3	1.1	0.4%
92.6%	310.9	308.8	-2.1	-0.7%
93.8%	303.6	303.5	-0.1	0.0%
95.1%	291.7	292.7	1.0	0.3%
96.3%	288.2	288.8	0.6	0.2%
97.5%	280.0	283.9	3.9	1.4%
98.8%	232.8	233.1	0.3	0.1%
100.0%	214.0	214.6	0.6	0.3%

Percent Exceedance Probability (%)	July		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	591.1	592.1	1.0	0.2%
1.2%	585.3	581.1	-4.3	-0.7%
2.5%	534.4	534.1	-0.3	0.0%
3.7%	528.4	494.0	-34.5	-6.5%
4.9%	493.1	474.3	-18.8	-3.8%
6.2%	486.5	473.2	-13.4	-2.7%
7.4%	470.5	462.0	-8.5	-1.8%
8.6%	460.7	451.8	-9.0	-1.9%
9.9%	423.1	422.1	-1.0	-0.2%
11.1%	416.9	422.1	5.2	1.2%
12.3%	412.6	418.7	6.1	1.5%
13.6%	412.0	406.3	-5.7	-1.4%
14.8%	411.8	405.8	-6.0	-1.5%
16.0%	404.8	404.2	-0.7	-0.2%
17.3%	401.2	391.3	-9.9	-2.5%
18.5%	399.2	386.8	-12.4	-3.1%
19.8%	382.8	385.1	2.4	0.6%
21.0%	382.5	382.3	-0.2	-0.1%
22.2%	381.9	382.2	0.3	0.1%
23.5%	380.5	382.0	1.5	0.4%
24.7%	379.4	380.8	1.4	0.4%
25.9%	405.3	376.3	-29.0	-7.2%
27.2%	376.6	379.3	2.7	0.7%
28.4%	375.3	374.5	-0.8	-0.2%
29.6%	374.5	374.5	-0.1	0.0%
30.9%	373.6	374.1	0.5	0.1%
32.1%	372.5	373.4	0.9	0.2%
33.3%	370.6	370.3	-0.3	-0.1%
34.5%	370.1	370.2	0.1	0.0%
35.8%	369.8	370.0	0.2	0.1%
37.0%	368.8	368.9	0.1	0.0%
38.3%	366.5	367.8	1.2	0.3%
39.5%	365.8	367.4	1.6	0.4%
40.7%	364.0	367.0	3.0	0.8%
42.0%	361.6	366.1	4.5	1.2%
43.2%	359.7	361.6	1.9	0.5%
44.4%	357.7	361.2	3.5	1.0%
45.7%	357.2	359.7	2.5	0.7%
46.9%	355.5	356.0	0.5	0.1%
48.1%	353.8	355.9	2.2	0.6%
49.4%	347.9	346.8	-1.1	-0.3%
50.6%	347.2	346.0	-1.1	-0.3%
51.9%	343.8	343.1	-0.7	-0.2%
53.1%	341.7	337.4	-4.3	-1.3%
54.3%	338.5	336.9	-1.6	-0.5%
55.6%	336.7	336.7	0.0	0.0%
56.8%	336.7	336.6	-0.1	0.0%
58.0%	336.0	335.1	-0.9	-0.3%
59.3%	335.2	335.0	-0.3	-0.1%
60.5%	335.2	333.5	-1.7	-0.5%
61.7%	332.9	333.3	0.5	0.1%
63.0%	332.8	333.1	0.3	0.1%
64.2%	330.5	332.3	1.7	0.5%
65.4%	328.9	327.4	-1.5	-0.4%
66.7%	327.7	322.5	-5.2	-1.6%
67.9%	325.6	319.8	-5.8	-1.8%
69.1%	325.0	319.0	-6.0	-1.8%
70.4%	324.9	316.2	-8.7	-2.7%
71.6%	323.3	315.9	-7.4	-2.3%
72.8%	319.9	314.4	-5.5	-1.7%
74.1%	316.7	313.1	-3.7	-1.2%
75.3%	316.0	311.1	-4.9	-1.6%
76.5%	315.4	309.6	-5.8	-1.8%
77.8%	314.4	308.0	-6.3	-2.0%
79.0%	310.6	307.9	-2.8	-0.9%
80.2%	307.0	306.3	-0.7	-0.2%
81.5%	306.5	303.3	-3.2	-1.0%
82.7%	305.9	301.7	-4.2	-1.4%
84.0%	303.9	299.4	-4.4	-1.5%
85.2%	301.4	297.2	-4.2	-1.4%
86.4%	300.5	295.9	-4.6	-1.5%
87.7%	298.2	295.9	-2.3	-0.8%
88.9%	291.0	291.9	0.8	0.3%
90.1%	290.4	290.1	-0.4	-0.1%
91.4%	288.3	288.6	0.2	0.1%
92.6%	282.9	283.1	0.3	0.1%
93.8%	279.0	277.7	-1.3	-0.5%
95.1%	275.4	274.9	-0.5	-0.2%
96.3%	268.5	269.9	1.4	0.5%
97.5%	263.5	263.9	0.4	0.2%
98.8%	260.1	260.4	0.3	0.1%
100.0%	227.8	228.3	0.4	0.2%

Percent Exceedance Probability (%)	August		Absolute Difference (UMHOS/CM)	Relative Difference (%)
	DCR 2015 Without Project Monthly EC (UMHOS/CM)	DCR 2015 With Project Monthly EC (UMHOS/CM)		
0.0%	752.9	771.3	18.4	2.4%
1.2%	671.2	712.1	40.9	6.1%
2.5%	616.1	632.3	16.2	2.6%
3.7%	603.2	604.2	1.0	0.2%
4.9%	595.4	593.3	-2.1	-0.4%
6.2%	595.1	587.3	-7.8	-1.3%
7.4%	572.8	579.2	6.5	1.1%
8.6%	570.4	571.0	0.6	0.1%
9.9%	557.1	569.2	12.1	2.2%
11.1%	555.9	568.4	12.5	2.3%
12.3%	554.9	558.5	3.6	0.7%
13.6%	542.4	557.5	15.2	2.8%
14.8%	536.7	540.3	3.6	0.7%
16.0%	534.4	539.4	4.9	0.9%
17.3%	530.5	537.5	7.0	1.3%
18.5%	529.8	536.0	6.2	1.2%
19.8%	528.2	528.4	0.2	0.0%
21.0%	527.3	527.4	0.2	0.0%
22.2%	501.7	511.6	9.8	2.0%
23.5%	498.0	508.8	10.8	2.2%
24.7%	493.0	502.2	9.2	1.9%
25.9%	491.3	499.6	8.3	1.7%
27.2%	468.5	458.8	-9.7	-2.1%
28.4%	462.4	458.1	-4.4	-0.9%
29.6%	454.6	452.5	-2.1	-0.5%
30.9%	451.2	449.5	-1.7	-0.4%
32.1%	448.3	447.3	-1.0	-0.2%
33.3%	442.6	441.0	-1.8	-0.4%
34.5%	439.2	438.1	-1.1	-0.3%
35.8%	437.8	437.5	-0.4	-0.1%
37.0%	428.4	437.3	8.9	2.1%
38.3%	424.5	436.6	12.2	2.9%
39.5%	423.9	436.6	12.7	3.0%
40.7%	423.3	434.3	11.0	2.6%
42.0%	421.7	434.2	12.4	2.9%
43.2%	419.5	421.1	1.7	0.4%
44.4%	418.2	419.7	1.6	0.4%
45.7%	416.3	419.4	3.0	0.7%
46.9%	412.2	417.8	5.7	1.4%
48.1%	408.4	415.4	7.0	1.7%
49.4%	407.1	413.9	6.8	1.6%
50.6%	401.9	410.9	9.0	2.2%
51.9%	399.0	399.5	0.5	0.1%
53.1%	388.4	386.1	-2.4	-0.6%
54.3%	386.4	385.4	-1.0	-0.3%
55.6%	383.7	382.8	-0.9	-0.2%
56.8%	378.2	381.2	3.0	0.8%
58.0%	378.2	378.0	0.0	0.0%
59.3%	374.8	376.1	1.3	0.3%
60.5%	370.7	367.0	-3.8	-1.0%
61.7%	370.1	365.5	-4.6	-1.3%
63.0%	370.0	365.0	-5.0	-1.4%
64.2%	360.6	364.7	4.0	1.1%
65.4%	359.1	359.0	-0.1	-0.0%
66.7%	358.2	355.7	-2.5	-0.7%
67.9%	355.6	354.7	-1.2	-0.3%
69.1%	355.3	352.8	-2.5	-0.7%
70.4%	353.6	351.1	-2.5	-0.7%
71.6%	348.5	346.4	-2.1	-0.6%
72.8%	347.7	344.6	-3.1	-0.9%
74.1%	347.1	343.3	-3.8	-1.1%
75.3%	346.9	343.2	-3.8	-1.1%
76.5%	345.0	342.4	-2.7	-0.8%
77.8%	344.8	342.1	-2.6	-0.8%
79.0%	343.0	341.6	-1.5	-0.4%
80.2%	342.5	341.4	-1.1	-0.3%
81.5%	340.6	338.6	-2.0	-0.6%
82.7%	339.3	334.8	-4.5	-1.3%
84.0%	337.9	334.4	-3.5	-1.0%
85.2%	337.6	334.0	-3.6	-1.1%
86.4%	332.2	331.8	-0.4	-0.1%
87.7%	331.6	330.7	-0.8	-0.3%
88.9%	331.4	328.7	-2.	



## **Sacramento-San Joaquin Delta Operations**

Summary Tables, Bar Charts, Exceedance  
Probability Charts and Tables

---

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

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	11,190	15,984	22,686	31,279	37,805	32,259	23,386	18,961	16,101	18,839	13,979	17,877
DCR 2015 With Project	11,707	16,460	22,171	30,149	36,652	30,882	23,011	18,862	16,299	19,097	14,586	18,704
Difference	517	476	-515	-1,130	-1,153	-1,376	-375	-100	198	259	607	827
Percent Difference <sup>2</sup>	4.6%	3.0%	-2.3%	-3.6%	-3.0%	-4.3%	-1.6%	-0.5%	1.2%	1.4%	4.3%	4.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	13,723	21,033	25,062	50,342	57,602	49,750	38,158	31,442	23,152	19,877	16,070	28,365
DCR 2015 With Project	13,808	21,355	24,420	49,544	57,009	48,918	37,800	31,279	23,563	19,912	16,017	28,009
Difference	86	321	-642	-797	-593	-831	-358	-164	411	35	-53	-356
Percent Difference	0.6%	1.5%	-2.6%	-1.6%	-1.0%	-1.7%	-0.9%	-0.5%	1.8%	0.2%	-0.3%	-1.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	12,378	19,307	23,445	37,857	45,549	42,492	25,927	20,517	16,167	21,992	16,466	21,908
DCR 2015 With Project	12,967	19,275	22,324	36,201	44,290	40,516	25,215	20,499	16,133	22,222	16,375	22,136
Difference	589	-32	-1,120	-1,656	-1,258	-1,976	-711	-17	-34	230	-91	228
Percent Difference	4.8%	-0.2%	-4.8%	-4.4%	-2.8%	-4.7%	-2.7%	-0.1%	-0.2%	1.0%	-0.6%	1.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	12,651	15,851	27,233	22,626	31,691	22,887	17,875	14,365	13,613	21,091	15,837	13,734
DCR 2015 With Project	13,684	16,953	26,858	20,898	30,702	20,661	17,357	13,947	13,718	21,213	16,085	14,488
Difference	1,033	1,102	-375	-1,728	-989	-2,226	-518	-418	105	122	248	754
Percent Difference	8.2%	7.0%	-1.4%	-7.6%	-3.1%	-9.7%	-2.9%	-2.9%	0.8%	0.6%	1.6%	5.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	8,557	12,186	21,859	17,163	23,089	20,161	13,283	10,848	12,387	18,267	11,453	10,383
DCR 2015 With Project	9,418	12,909	21,928	16,314	21,359	18,342	12,943	11,027	12,372	18,910	13,088	12,628
Difference	861	723	69	-849	-1,731	-1,819	-340	179	-15	643	1,635	2,245
Percent Difference	10.1%	5.9%	0.3%	-4.9%	-7.5%	-9.0%	-2.6%	1.6%	-0.1%	3.5%	14.3%	21.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	6,764	7,574	12,714	14,665	16,374	13,208	10,422	7,896	9,231	11,666	8,584	7,192
DCR 2015 With Project	7,022	7,791	12,040	13,616	14,790	12,905	10,464	7,807	9,627	12,020	10,198	9,142
Difference	259	217	-674	-1,049	-1,584	-303	42	-89	395	354	1,614	1,951
Percent Difference	3.8%	2.9%	-5.3%	-7.2%	-9.7%	-2.3%	0.4%	-1.1%	4.3%	3.0%	18.8%	27.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

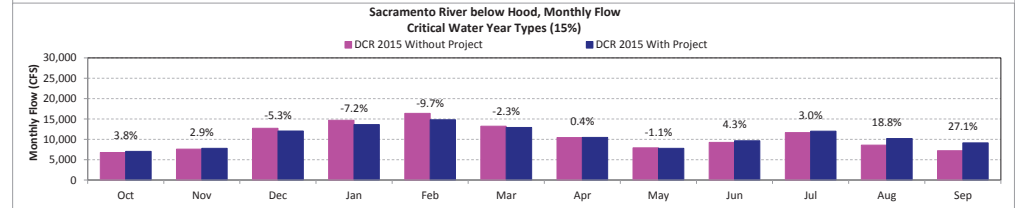
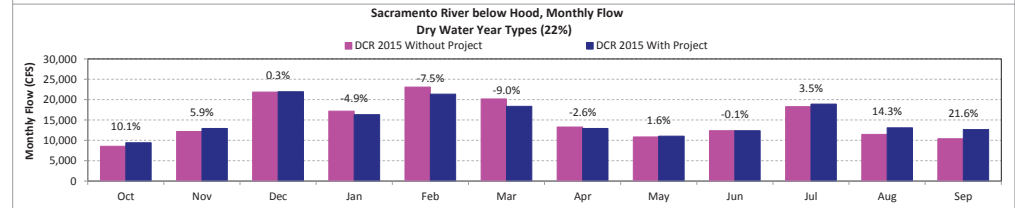
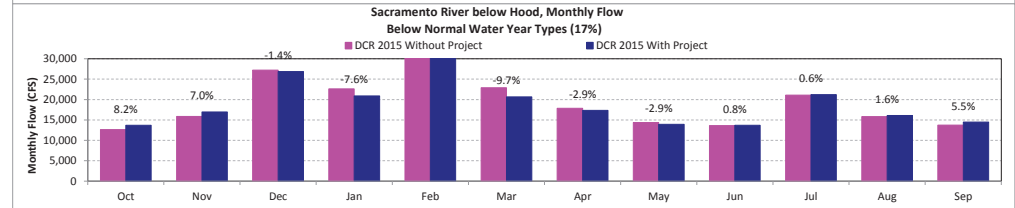
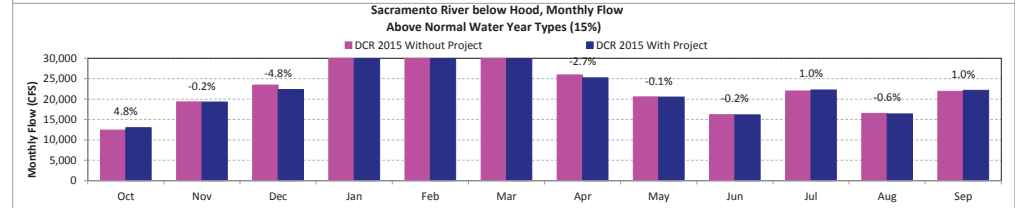
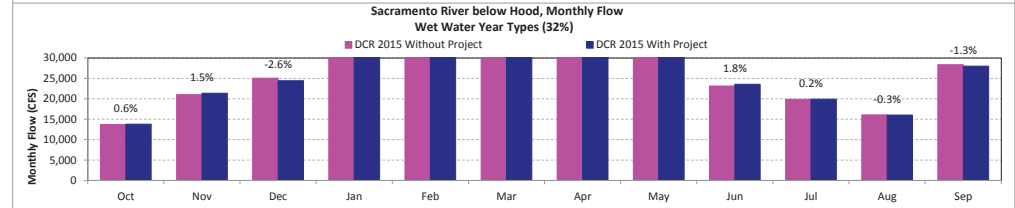
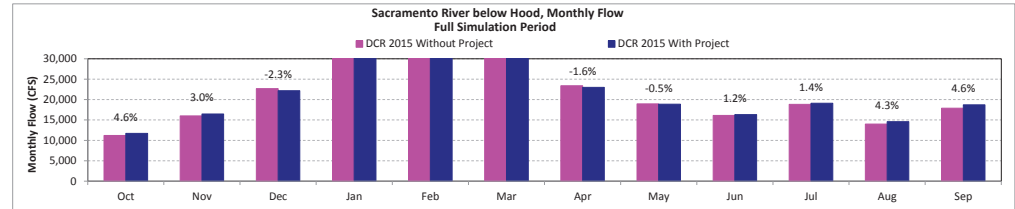


Figure SW-30-b  
Sacramento River below Hood, Monthly Flow  
Probability of Exceedance

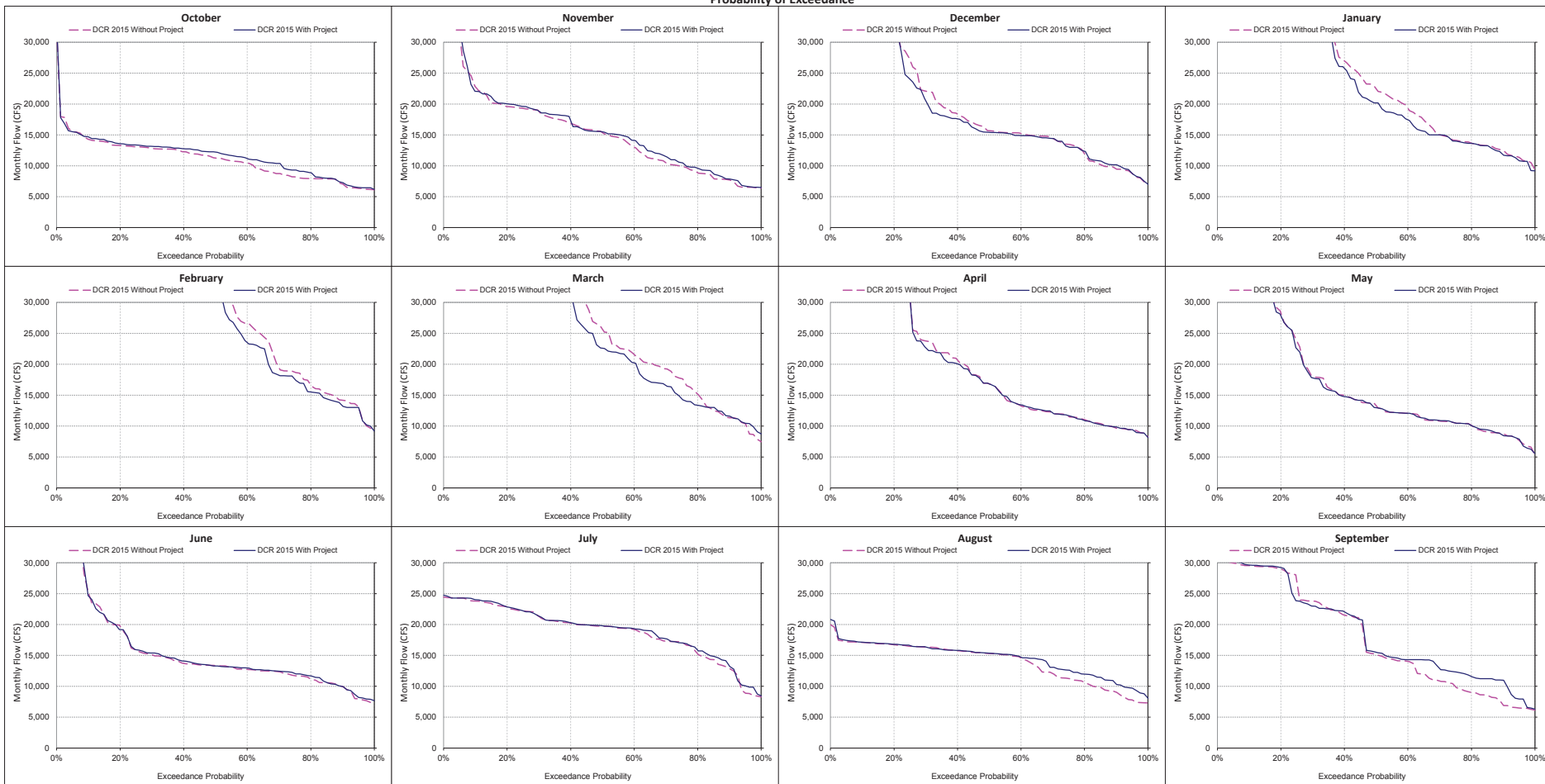


Table SW-30-b  
Sacramento River below Hood, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,157	33,041	884	2.7%
1.2%	17,960	17,788	-172	-1.0%
2.5%	17,835	16,824	-1,011	-5.7%
3.7%	16,098	15,698	-400	-2.5%
4.9%	15,506	15,529	23	0.1%
6.2%	15,474	15,416	-58	-0.4%
7.4%	15,271	15,104	-167	-1.1%
8.6%	14,681	14,734	53	0.4%
9.9%	14,309	14,704	395	2.8%
11.1%	14,125	14,418	293	2.1%
12.3%	14,049	14,401	351	2.5%
13.6%	13,996	14,287	291	2.1%
14.8%	13,923	14,260	337	2.4%
16.0%	13,816	13,996	181	1.3%
17.3%	13,358	13,873	514	3.9%
18.5%	13,323	13,679	357	2.7%
19.8%	13,294	13,613	318	2.4%
21.0%	13,282	13,529	248	1.9%
22.2%	13,200	13,410	210	1.6%
23.5%	13,146	13,391	245	1.9%
24.7%	13,087	13,365	278	2.1%
25.9%	13,083	13,343	260	2.0%
27.2%	13,017	13,258	241	1.9%
28.4%	12,976	13,184	208	1.6%
29.6%	12,855	13,174	320	2.5%
30.9%	12,751	13,129	378	3.0%
32.1%	12,724	13,122	398	3.1%
33.3%	12,715	13,057	342	2.7%
34.6%	12,713	13,015	302	2.4%
35.8%	12,711	12,999	287	2.3%
37.0%	12,671	12,868	195	1.5%
38.3%	12,545	12,853	308	2.5%
39.5%	12,278	12,787	510	4.2%
40.7%	12,252	12,744	492	4.0%
42.0%	12,009	12,718	709	5.9%
43.2%	11,924	12,624	699	5.9%
44.4%	11,890	12,583	693	5.8%
45.7%	11,738	12,341	604	5.1%
46.9%	11,729	12,312	583	5.0%
48.1%	11,550	12,275	725	6.3%
49.4%	11,288	12,252	963	8.5%
50.6%	11,219	12,177	959	8.5%
51.9%	11,178	11,977	799	7.2%
53.1%	10,988	11,843	855	7.8%
54.3%	10,861	11,700	839	7.7%
55.6%	10,743	11,618	875	8.1%
56.8%	10,705	11,503	798	7.5%
58.0%	10,642	11,434	793	7.4%
59.3%	10,450	11,332	883	8.4%
60.5%	10,418	11,063	645	6.2%
61.7%	10,120	10,999	878	8.7%
63.0%	9,480	10,978	1,499	15.8%
64.2%	9,456	10,751	1,295	13.7%
65.4%	9,163	10,589	1,426	15.6%
66.7%	9,093	10,513	1,421	15.6%
67.9%	8,958	10,452	1,494	16.7%
69.1%	8,741	10,385	1,644	18.8%
70.4%	8,733	10,379	1,646	18.9%
71.6%	8,484	9,585	1,101	13.0%
72.8%	8,452	9,385	934	11.0%
74.1%	8,224	9,333	1,108	13.5%
75.3%	8,206	9,327	1,121	13.7%
76.5%	8,022	9,098	1,076	13.4%
77.8%	7,954	9,082	1,128	14.2%
79.0%	7,941	8,978	1,037	13.1%
80.2%	7,927	8,851	924	11.7%
81.5%	7,916	8,181	265	3.3%
82.7%	7,915	8,141	226	2.9%
84.0%	7,895	8,041	146	1.8%
85.2%	7,882	7,982	119	1.5%
86.4%	7,877	7,965	88	1.1%
87.7%	7,856	7,856	0	0.0%
88.9%	7,244	7,434	190	2.6%
90.1%	7,033	7,239	207	2.9%
91.4%	6,509	6,973	464	7.1%
92.6%	6,444	6,730	286	4.4%
93.8%	6,434	6,555	121	1.9%
95.1%	6,348	6,486	138	2.2%
96.3%	6,314	6,436	121	1.9%
97.5%	6,190	6,434	245	4.0%
98.8%	6,174	6,403	229	3.7%
100.0%	6,127	6,188	61	1.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53,246	54,574	1,328	2.5%
1.2%	46,934	46,754	-180	-0.4%
2.5%	45,064	46,633	1,568	3.5%
3.7%	32,165	33,769	1,604	5.0%
4.9%	31,934	32,899	966	3.0%
6.2%	26,073	28,635	2,562	9.8%
7.4%	25,374	26,080	706	2.8%
8.6%	26,588	23,176	-1,412	-5.7%
9.9%	22,861	22,058	-803	-3.5%
11.1%	22,123	22,046	-77	-0.3%
12.3%	22,058	21,659	-399	-1.8%
13.6%	21,386	21,634	248	1.2%
14.8%	20,172	21,247	1,075	5.3%
16.0%	20,127	20,524	397	2.0%
17.3%	20,092	20,149	57	0.3%
18.5%	19,892	20,137	246	1.2%
19.8%	19,609	20,064	455	2.3%
21.0%	19,549	19,991	442	2.3%
22.2%	19,487	19,914	427	2.2%
23.5%	19,388	19,761	373	1.9%
24.7%	19,337	19,645	309	1.6%
25.9%	19,208	19,572	365	1.9%
27.2%	19,150	19,335	184	1.0%
28.4%	19,063	19,167	104	0.5%
29.6%	19,034	19,034	0	0.0%
30.9%	18,325	18,579	254	1.4%
32.1%	18,093	18,543	450	2.5%
33.3%	17,871	18,333	462	2.6%
34.6%	17,670	18,289	620	3.5%
35.8%	17,560	18,239	679	3.9%
37.0%	17,449	18,172	723	4.1%
38.3%	17,244	18,139	894	5.2%
39.5%	16,871	17,984	1,113	6.6%
40.7%	16,737	16,325	-413	-2.5%
42.0%	16,484	16,319	-165	-1.0%
43.2%	16,251	17,028	777	4.8%
44.4%	15,912	15,778	-135	-0.8%
45.7%	15,867	15,665	-202	-1.3%
46.9%	15,811	15,616	-195	-1.2%
48.1%	15,656	15,577	-80	-0.5%
49.4%	15,595	15,565	-30	-0.2%
50.6%	15,165	15,454	289	1.9%
51.9%	14,990	15,179	188	1.3%
53.1%	14,760	15,169	409	2.8%
54.3%	14,676	15,075	399	2.7%
55.6%	14,509	14,988	479	3.3%
56.8%	14,221	14,853	632	4.4%
58.0%	13,665	14,872	976	7.1%
59.3%	13,180	14,131	950	7.2%
60.5%	12,906	14,073	1,167	9.0%
61.7%	12,256	13,335	1,079	8.8%
63.0%	11,950	13,236	1,306	10.9%
64.2%	11,322	12,438	1,116	9.9%
65.4%	11,185	12,355	1,170	10.5%
66.7%	11,139	12,059	920	8.3%
67.9%	10,912	11,972	1,060	9.7%
69.1%	10,817	11,689	872	8.1%
70.4%	10,355	11,429	1,074	10.4%
71.6%	10,189	11,000	811	8.0%
72.8%	10,122	10,983	861	8.5%
74.1%	10,003	10,577	574	5.7%
75.3%	9,893	10,473	580	5.9%
76.5%	9,707	9,932	225	2.3%
77.8%	9,342	9,774	432	4.6%
79.0%	9,209	9,768	559	6.1%
80.2%	8,810	9,584	773	8.8%
81.5%	8,754	9,314	560	6.4%
82.7%	8,689	9,248	559	6.4%
84.0%	8,556	9,240	684	8.0%
85.2%	7,876	8,615	739	9.4%
86.4%	7,847	8,450	604	7.7%
87.7%	7,838	8,247	409	5.2%
88.9%	7,802	7,879	77	1.0%
90.1%	7,698	7,838	140	1.8%
91.4%	7,411	7,738	327	4.4%
92.6%	6,707	7,620	913	13.6%
93.8%	6,545	6,840	295	4.5%
95.1%	6,537	6,703	166	2.5%
96.3%	6,533	6,625	92	1.4%
97.5%	6,520	6,537	17	0.3%
98.8%	6,403	6,533	124	1.9%
100.0%	6,388	6,506	118	1.8%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,016	76,686	-330	-0.4%
1.2%	71,094	68,588	-2,506	-3.5%
2.5%	65,998	66,524	526	0.8%
3.7%	59,091	57,524	-1,566	-2.7%
4.9%	57,864	55,709	-2,155	-3.7%
6.2%	56,442	55,559	-884	-1.6%
7.4%	50,391	50,348	-43	-0.1%
8.6%	50,191	49,980	-211	-0.4%
9.9%	47,938	47,373	-566	-1.2%
11.1%	47,822	44,601	-3,222	-6.7%
12.3%	44,500	44,095	-405	-0.9%
13.6%	37,651	39,586	1,936	5.1%
14.8%	37,050	36,549	-501	-1.4%
16.0%	35,746	35,848	102	0.3%
17.3%	35,270	34,814	-456	-1.3%
18.5%	34,210	34,251	41	0.1%
19.8%	33,118	32,732	-386	-1.2%
21.0%	31,308	31,908	600	1.9%
22.2%	29,033	28,536	-497	-1.7%
23.5%	28,605	24,761	-3,844	-13.4%
24.7%	27,520	24,219	-3,301	-12.0%
25.9%	25,993	23,574	-2,419	-9.3%
27.2%	25,497	22,563	-2,934	-11.5%
28.4%	22,298	22,363	65	0.3%
29.6%	22,076	22,130	54	0.2%
30.9%	21,988	19,682	-2,305	-10.5%
32.1%	21,900	18,512	-3,388	-15.5%
33.3%	20,317	18,494	-1,822	-9.0%
34.6%	19,770	18,289	-1,481	-7.5%
35.8%	19,402	18,096	-1,306	-6.7%
37.0%	19,316	17,879	-1,436	-7.4%
38.3%	18,617	17,669	-948	-5.1%
39.5%	18,524	17,660	-864	-4.7%
40.7%	18,142	17,516	-626	-3.4%
42.0%	17,838	17,079	-759	-4.3%
43.2%	17,302	17,028	-274	-1.6%
44.4%	17,086	16,285	-801	-4.7%
45.7%	16,748	15,975	-773	-4.6%
46.9%	16,510	15,659	-851	-5.2%
48.1%	16,373	15,456	-917	-5.6%
49.4%	15,698	15,439	-259	-1.6%
50.6%	15,609	15,409	-200	-1.3%
51.9%	15,593	15,399	-194	-1.2%
53.1%	15,439	15,343	-96	-0.6%
54.3%	15,399	15,337	-62	-0.4%
55.6%	15,368	15,269	-99	-0.6%
56.8%	15,343	15,181	-162	-1.1%
58.0%	15,330	14,913	-424	-2.8%
59.3%	15,330	14,901	-429	-2.8%
60.5%	15,181	14,884	-297	-2.0%
61.7%	15,036	14,878	-158	-1.0%
63.0%	14,906	14,861	-45	-0.3%
64.2%	14,870	14,807	-62	-0.4%
65.4%	14,807	14,677	-130	-0.9%
66.7%	14,803	14,546	-257	-1.7%
67.9%	14,794	14,535	-259	-1.8%
69.1%	14,703	14,445	-258	-1.8%
70.4%	14,341	14,424	83	0.6%
71.6%	13,974	13,998	24	0.2%
72.8%	13,793	13,998	205	1.5%
74.1%	13,509	13,216	-293	-2.2%
75.3%	13,454	13,000	-454	-3.4%
76.5%	13,296	13,000	-296	-2.2%
77.8%	13,017	13,000	-17	-0.1%
79.0%	12,687	12,523	-164	-1.3%
80.2%	11,771			

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

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,258	77,256	-3	0.0%
1.2%	75,942	75,942	-7	0.0%
2.5%	73,747	73,752	5	0.0%
3.7%	72,383	72,946	563	0.8%
4.9%	70,908	72,503	1,595	2.2%
6.2%	70,033	70,421	388	0.6%
7.4%	69,044	69,753	709	1.0%
8.6%	68,261	69,241	980	1.4%
9.9%	68,581	68,789	208	0.3%
11.1%	68,108	67,447	-661	-1.0%
12.3%	67,357	67,132	-225	-0.3%
13.6%	64,736	64,273	-464	-0.7%
14.8%	64,133	63,587	-546	-0.9%
16.0%	63,486	63,472	-15	0.0%
17.3%	62,170	62,211	41	0.1%
18.5%	60,827	59,975	-852	-1.4%
19.8%	60,040	59,377	-664	-1.1%
21.0%	59,783	58,763	-1,021	-1.7%
22.2%	59,367	58,542	-824	-1.4%
23.5%	59,048	57,676	-1,372	-2.3%
24.7%	57,556	55,842	-1,714	-3.0%
25.9%	54,549	53,820	-729	-1.3%
27.2%	53,760	53,751	-9	0.0%
28.4%	50,405	50,047	-358	-0.7%
29.6%	49,072	49,268	196	0.4%
30.9%	49,171	46,444	-2,727	-5.5%
32.1%	48,846	46,174	-2,672	-5.5%
33.3%	47,975	45,907	-2,068	-4.3%
34.6%	47,488	45,459	-2,029	-4.3%
35.8%	46,661	45,316	-1,345	-2.9%
37.0%	45,620	45,282	-338	-0.7%
38.3%	45,501	44,261	-1,241	-2.7%
39.5%	44,729	43,026	-1,703	-3.8%
40.7%	43,929	42,939	-990	-2.3%
42.0%	42,548	42,391	-156	-0.4%
43.2%	40,221	40,211	-10	0.0%
44.4%	38,660	36,824	-1,836	-4.7%
45.7%	36,810	35,263	-1,547	-4.2%
46.9%	35,879	33,418	-2,461	-6.9%
48.1%	35,492	32,194	-3,298	-9.3%
49.4%	35,297	31,484	-3,814	-10.8%
50.6%	34,686	31,214	-3,472	-10.0%
51.9%	31,746	31,137	-609	-1.9%
53.1%	31,314	28,364	-2,950	-9.4%
54.3%	30,533	27,206	-3,327	-10.9%
55.6%	29,487	26,775	-2,712	-9.2%
56.8%	27,670	25,774	-1,896	-6.9%
58.0%	26,955	24,888	-2,067	-7.7%
59.3%	26,639	23,833	-2,806	-10.5%
60.5%	26,602	23,282	-3,320	-12.5%
61.7%	25,958	23,234	-2,724	-10.5%
63.0%	25,336	23,080	-2,256	-8.9%
64.2%	24,929	22,694	-2,236	-9.0%
65.4%	24,349	22,490	-1,859	-7.6%
66.7%	23,789	20,001	-3,789	-15.9%
67.9%	22,045	18,651	-3,394	-15.4%
69.1%	20,249	18,411	-1,838	-9.1%
70.4%	19,101	18,141	-960	-5.0%
71.6%	18,928	18,138	-791	-4.2%
72.8%	18,914	18,120	-793	-4.2%
74.1%	18,903	18,083	-821	-4.3%
75.3%	18,647	17,388	-1,259	-6.7%
76.5%	18,549	16,967	-1,582	-8.5%
77.8%	17,537	16,916	-620	-3.5%
79.0%	17,425	15,586	-1,839	-10.6%
80.2%	16,459	15,491	-968	-5.9%
81.5%	16,050	15,414	-636	-4.0%
82.7%	15,999	15,328	-671	-4.2%
84.0%	15,464	14,587	-877	-5.7%
85.2%	15,256	14,085	-1,171	-7.7%
86.4%	15,070	14,160	-910	-6.0%
87.7%	14,852	14,015	-837	-5.6%
88.9%	14,249	13,817	-433	-3.0%
90.1%	14,163	13,172	-991	-7.0%
91.4%	14,085	13,000	-1,085	-7.7%
92.6%	13,644	13,000	-644	-4.7%
93.8%	13,628	13,000	-628	-4.6%
95.1%	13,113	13,000	-113	-0.9%
96.3%	10,914	10,827	-87	-0.8%
97.5%	10,038	10,177	139	1.4%
98.8%	9,670	9,859	189	2.0%
100.0%	9,330	9,198	-131	-1.4%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,001	80,681	-320	-0.4%
1.2%	77,569	77,658	89	0.1%
2.5%	72,527	72,345	-182	-0.3%
3.7%	71,696	71,066	-631	-0.9%
4.9%	68,820	68,823	3	0.0%
6.2%	68,363	66,253	-2,110	-3.1%
7.4%	67,571	65,409	-2,161	-3.2%
8.6%	62,598	62,614	16	0.0%
9.9%	62,236	62,145	-91	-0.3%
11.1%	61,911	62,023	112	0.2%
12.3%	61,102	61,134	32	0.1%
13.6%	58,763	58,742	-21	0.0%
14.8%	58,087	58,079	-8	0.0%
16.0%	57,465	57,455	-10	0.0%
17.3%	55,801	55,745	-56	-0.1%
18.5%	54,648	52,288	-2,360	-4.3%
19.8%	53,890	51,950	-1,940	-3.6%
21.0%	48,589	49,145	556	1.1%
22.2%	46,069	47,420	1,351	2.9%
23.5%	45,068	45,989	921	2.1%
24.7%	44,692	41,341	-3,351	-7.5%
25.9%	44,532	40,808	-3,724	-8.4%
27.2%	44,231	40,357	-3,874	-8.8%
28.4%	39,803	39,419	-384	-1.0%
29.6%	39,430	39,437	7	0.0%
30.9%	38,562	35,821	-2,741	-7.1%
32.1%	36,280	35,275	-1,005	-2.8%
33.3%	36,011	35,110	-901	-2.5%
34.6%	35,937	35,084	-853	-2.4%
35.8%	35,506	33,815	-1,691	-4.8%
37.0%	35,318	32,547	-2,771	-7.8%
38.3%	35,115	32,473	-2,642	-7.5%
39.5%	34,635	30,750	-3,886	-11.2%
40.7%	32,651	29,982	-2,669	-8.2%
42.0%	31,118	27,178	-3,940	-12.7%
43.2%	30,188	26,703	-3,485	-11.5%
44.4%	30,144	25,793	-4,351	-14.4%
45.7%	28,811	25,103	-3,708	-12.9%
46.9%	26,937	25,005	-1,932	-7.2%
48.1%	26,562	23,136	-3,426	-12.9%
49.4%	26,147	22,648	-3,499	-13.4%
50.6%	25,624	22,538	-3,086	-12.0%
51.9%	25,150	22,144	-3,007	-12.0%
53.1%	23,149	21,987	-1,162	-5.0%
54.3%	23,079	21,953	-1,126	-4.9%
55.6%	22,561	21,733	-828	-3.7%
56.8%	22,464	21,660	-804	-3.6%
58.0%	22,398	20,935	-1,463	-6.5%
59.3%	21,919	20,323	-1,596	-7.3%
60.5%	21,354	20,147	-1,207	-5.7%
61.7%	20,967	18,464	-2,503	-11.9%
63.0%	20,369	17,753	-2,616	-12.8%
64.2%	20,229	17,372	-2,856	-14.1%
65.4%	20,161	17,089	-3,071	-15.2%
66.7%	19,841	17,042	-2,799	-14.1%
67.9%	19,682	16,928	-2,754	-14.0%
69.1%	19,306	16,844	-2,462	-12.8%
70.4%	18,234	16,442	-2,792	-15.3%
71.6%	18,869	16,354	-2,516	-13.3%
72.8%	18,051	15,407	-2,644	-14.6%
74.1%	17,798	14,931	-2,867	-16.1%
75.3%	17,629	14,243	-3,386	-19.2%
76.5%	16,535	13,996	-2,539	-15.4%
77.8%	16,258	13,960	-2,298	-14.1%
79.0%	15,654	13,429	-2,225	-14.2%
80.2%	15,059	13,367	-1,692	-11.2%
81.5%	14,268	13,208	-1,060	-7.4%
82.7%	13,208	13,068	-139	-1.1%
84.0%	12,301	13,000	99	0.8%
85.2%	12,471	13,000	529	4.2%
86.4%	12,330	12,450	120	1.0%
87.7%	11,883	12,371	488	4.1%
88.9%	11,429	11,688	259	2.3%
90.1%	11,339	11,591	252	2.2%
91.4%	11,332	11,521	189	1.7%
92.6%	11,163	11,160	-3	0.0%
93.8%	10,588	10,676	88	0.8%
95.1%	10,364	10,429	66	0.6%
96.3%	8,703	10,408	1,705	19.6%
97.5%	8,640	9,804	1,164	14.6%
98.8%	7,063	9,063	2,000	28.5%
100.0%	7,465	8,729	1,265	16.9%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,244	73,239	-5	0.0%
1.2%	67,856	67,963	107	0.2%
2.5%	64,406	64,071	-335	-0.5%
3.7%	57,218	56,207	-1,011	-1.8%
4.9%	56,220	54,628	-1,592	-2.8%
6.2%	54,644	54,534	-110	-0.2%
7.4%	54,614	52,809	-1,805	-3.3%
8.6%	54,493	52,612	-1,881	-3.5%
9.9%	50,680	50,943	263	0.5%
11.1%	49,909	47,946	-1,964	-3.9%
12.3%	46,183	46,180	-3	0.0%
13.6%	42,600	41,960	-640	-1.5%
14.8%	41,960	40,690	-1,270	-3.0%
16.0%	41,620	40,169	-1,451	-3.5%
17.3%	40,822	38,738	-2,084	-5.1%
18.5%	40,174	38,713	-1,461	-3.6%
19.8%	37,318	36,083	-1,235	-3.3%
21.0%	36,472	35,617	-855	-2.3%
22.2%	35,606	35,612	6	0.0%
23.5%	34,814	33,478	-1,337	-3.8%
24.7%	33,113	33,174	61	0.2%
25.9%	25,501	25,194	-307	-1.2%
27.2%	25,320	23,806	-1,514	-6.0%
28.4%	23,991	23,758	-232	-1.0%
29.6%	23,807	22,849	-958	-4.0%
30.9%	23,693	22,199	-1,495	-6.3%
32.1%	23,517	22,191	-1,326	-5.6%
33.3%	22,198	21,899	-299	-1.3%
34.6%	21,879	21,868	-11	0.0%
35.8%	21,879	20,793	-1,086	-5.0%
37.0%	21,852	20,290	-1,562	-7.1%
38.3%	21,040	20,273	-767	-3.6%
39.5%	20,986	20,155	-831	-4.0%
40.7%	20,239	19,941	-299	-1.5%
42.0%	20,041	19,304	-737	-3.7%
43.2%	19,348	18,629	-719	-3.7%
44.4%	18,348	18,282	-66	-0.4%
45.7%	18,286	18,174	-112	-0.6%
46.9%	17,815	17,778	-37	0.0%
48.1%	16,953	16,953	0	0.0%
49.4%	16,941	16,934	-7	0.0%
50.6%	16,707	16,699	-8	0.0%
51.9%	16,378	16,381	4	0.0%
53.1%	15,746	15,574	-172	-1.1%
54.3%	14,957	14,957	0	0.0%
55.6%	14,134	14,786	652	4.6%
56.8%	13,910	14,002	92	0.7%
58.0%	13,741	13,743	2	0.0%
59.3%	13,471	13,472	1	0.0%
60.5%	13,147	13,415	268	2.0%
61.7%	13,142	13,136	-6	0.0%
63.0%	12,701	13,000	299	2.4%
64.2%	12,568	12,794	226	1.8%
65.4%	10,926	10,923	-3	0.0%
66.7%	12,475	12,569	95	0.8%
67.9%	12,329	12,461	133	1.1%
69.1%	12,294	12,454	160	1.3%
70.4%	11,960	11,964	4	0.0%
71.6%	11,957	11,960	3	0.0%
72.8%	11,953	11,845	-107	-0.9%
74.1%	11,840	11,817	-23	-0.2%
75.3%	11,471	11,651	179	1.6%</

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

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	59,381	59,347	-34	-0.1%	
1.2%	48,750	48,583	-167	-0.3%	
2.5%	37,163	37,756	593	1.6%	
3.7%	35,596	36,571	976	2.7%	
4.9%	33,971	36,370	2,399	7.1%	
6.2%	33,521	33,745	224	0.7%	
7.4%	33,410	33,506	96	0.3%	
8.6%	28,250	29,250	1,000	3.5%	
9.9%	25,338	24,654	-673	-2.7%	
11.1%	23,363	24,018	655	2.8%	
12.3%	23,361	22,577	-785	-3.4%	
13.6%	22,863	21,995	-868	-3.8%	
14.8%	21,680	21,568	-111	-0.1%	
16.0%	20,346	20,631	285	1.4%	
17.3%	20,038	20,335	297	1.5%	
18.5%	19,948	20,024	76	0.4%	
19.8%	19,910	19,198	-712	-3.6%	
21.0%	18,903	19,154	251	1.3%	
22.2%	18,102	18,089	-13	-0.1%	
23.5%	16,206	16,475	269	1.7%	
24.7%	15,914	15,939	25	0.2%	
25.9%	15,604	15,864	260	1.7%	
27.2%	15,392	15,677	285	1.8%	
28.4%	15,285	15,409	124	0.8%	
29.6%	15,209	15,382	173	1.1%	
30.9%	14,927	15,371	444	3.0%	
32.1%	14,918	15,270	352	2.4%	
33.3%	14,755	14,898	143	1.0%	
34.6%	14,655	14,755	100	0.7%	
35.8%	14,478	14,819	341	2.4%	
37.0%	14,159	14,558	399	2.8%	
38.3%	14,056	14,290	234	1.7%	
39.5%	13,759	14,115	356	2.6%	
40.7%	13,632	14,044	411	3.0%	
42.0%	13,620	13,908	288	2.1%	
43.2%	13,615	13,889	274	2.0%	
44.4%	13,501	13,629	128	0.9%	
45.7%	13,436	13,532	96	0.7%	
46.9%	13,431	13,504	74	0.5%	
48.1%	13,402	13,431	29	0.2%	
49.4%	13,381	13,292	-89	-0.7%	
50.6%	13,317	13,291	-26	-0.2%	
51.9%	13,292	13,212	-80	-0.6%	
53.1%	13,291	13,164	-127	-1.0%	
54.3%	13,110	13,145	35	0.3%	
55.6%	13,077	13,110	33	0.3%	
56.8%	12,800	13,076	277	2.2%	
58.0%	12,769	13,000	231	1.8%	
59.3%	12,741	13,000	259	2.0%	
60.5%	12,708	12,956	248	1.9%	
61.7%	12,675	12,741	66	0.5%	
63.0%	12,628	12,709	81	0.6%	
64.2%	12,502	12,687	185	1.5%	
65.4%	12,495	12,618	124	1.0%	
66.7%	12,474	12,616	142	1.1%	
67.9%	12,462	12,502	39	0.3%	
69.1%	12,408	12,483	75	0.6%	
70.4%	12,341	12,422	81	0.7%	
71.6%	12,070	12,409	339	2.8%	
72.8%	12,005	12,343	339	2.8%	
74.1%	11,802	12,270	468	4.0%	
75.3%	11,688	12,015	328	2.8%	
76.5%	11,671	12,005	333	2.9%	
77.8%	11,622	11,867	244	2.1%	
79.0%	11,484	11,747	262	2.3%	
80.2%	11,047	11,666	620	5.6%	
81.5%	10,998	11,451	454	4.1%	
82.7%	10,608	11,386	777	7.3%	
84.0%	10,583	10,826	243	2.3%	
85.2%	10,571	10,571	0	0.0%	
86.4%	10,528	10,378	-149	-1.4%	
87.7%	10,378	10,349	-30	-0.3%	
88.9%	10,093	10,093	0	0.0%	
90.1%	9,940	9,940	0	0.0%	
91.4%	9,455	9,455	0	0.0%	
92.6%	9,269	9,287	18	0.2%	
93.8%	8,020	8,715	695	8.7%	
95.1%	7,961	8,202	241	3.0%	
96.3%	7,794	8,179	315	4.0%	
97.5%	7,665	7,939	274	3.6%	
98.8%	7,401	7,804	403	5.4%	
100.0%	7,329	7,658	329	4.5%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	24,451	24,742	292	1.2%	
1.2%	24,353	24,571	218	0.9%	
2.5%	24,340	24,306	-35	-0.1%	
3.7%	24,306	24,306	0	0.0%	
4.9%	24,306	24,306	0	0.0%	
6.2%	24,306	24,306	0	0.0%	
7.4%	24,077	24,306	229	1.0%	
8.6%	23,833	24,247	414	1.7%	
9.9%	23,807	24,036	230	1.0%	
11.1%	23,787	24,004	217	0.9%	
12.3%	23,634	23,813	178	0.8%	
13.6%	23,563	23,808	245	1.0%	
14.8%	23,450	23,770	321	1.4%	
16.0%	23,140	23,603	463	2.0%	
17.3%	23,065	23,552	387	1.7%	
18.5%	22,971	23,120	148	0.6%	
19.8%	22,907	22,896	-11	-0.0%	
21.0%	22,535	22,727	192	0.9%	
22.2%	22,441	22,637	196	0.9%	
23.5%	22,289	22,442	152	0.7%	
24.7%	22,224	22,290	66	0.3%	
25.9%	22,143	22,075	-68	-0.3%	
27.2%	22,077	22,041	-35	-0.2%	
28.4%	22,053	21,825	-228	-1.0%	
29.6%	21,471	21,471	0	0.0%	
30.9%	21,000	21,170	170	0.8%	
32.1%	20,751	20,752	1	0.0%	
33.3%	20,660	20,668	8	0.0%	
34.6%	20,625	20,654	29	0.1%	
35.8%	20,500	20,640	139	0.7%	
37.0%	20,406	20,613	207	1.0%	
38.3%	20,318	20,500	182	0.9%	
39.5%	20,313	20,346	33	0.2%	
40.7%	20,097	20,232	134	0.7%	
42.0%	19,976	20,063	87	0.4%	
43.2%	19,866	19,866	0	0.0%	
44.4%	19,937	19,965	28	0.1%	
45.7%	19,911	19,937	26	0.1%	
46.9%	19,818	19,883	65	0.3%	
48.1%	19,757	19,880	124	0.6%	
49.4%	19,750	19,835	85	0.4%	
50.6%	19,712	19,761	49	0.3%	
51.9%	19,708	19,711	3	0.0%	
53.1%	19,666	19,662	-4	-0.0%	
54.3%	19,437	19,572	135	0.7%	
55.6%	19,422	19,496	74	0.4%	
56.8%	19,390	19,448	57	0.3%	
58.0%	19,344	19,445	100	0.5%	
59.3%	19,284	19,391	107	0.6%	
60.5%	19,135	19,278	142	0.7%	
61.7%	18,808	19,251	443	2.4%	
63.0%	18,739	19,068	329	1.8%	
64.2%	18,453	19,019	566	3.1%	
65.4%	17,926	18,990	1,064	5.9%	
66.7%	17,653	18,454	801	4.5%	
67.9%	17,643	17,844	201	1.1%	
69.1%	17,357	17,796	440	2.5%	
70.4%	17,286	17,668	382	2.2%	
71.6%	17,252	17,286	35	0.2%	
72.8%	17,229	17,222	-8	-0.0%	
74.1%	17,221	17,053	-169	-1.0%	
75.3%	17,053	17,005	-48	-0.3%	
76.5%	16,644	16,892	248	1.5%	
77.8%	16,560	16,560	0	0.0%	
79.0%	15,856	16,360	504	3.2%	
80.2%	15,118	15,710	592	3.9%	
81.5%	14,819	15,709	890	6.0%	
82.7%	14,651	15,287	636	4.3%	
84.0%	14,332	14,960	627	4.4%	
85.2%	14,300	14,819	519	3.6%	
86.4%	13,563	14,624	1,060	7.8%	
87.7%	13,390	14,284	893	6.7%	
88.9%	13,173	14,164	991	7.5%	
90.1%	12,841	13,188	347	2.7%	
91.4%	12,475	12,754	279	2.2%	
92.6%	11,733	10,879	-854	-7.3%	
93.8%	9,384	10,188	804	8.6%	
95.1%	8,870	10,065	1,194	13.5%	
96.3%	8,832	9,878	1,046	11.8%	
97.5%	8,494	9,860	1,366	16.1%	
98.8%	8,129	8,729	600	7.4%	
100.0%	8,286	8,460	174	2.1%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	19,971	20,814	843	4.2%	
1.2%	19,561	20,543	982	5.0%	
2.5%	17,465	17,733	268	1.5%	
3.7%	17,363	17,570	207	1.2%	
4.9%	17,205	17,450	245	1.4%	
6.2%	17,186	17,373	187	1.1%	
7.4%	17,185	17,320	136	0.8%	
8.6%	17,143	17,178	35	0.2%	
9.9%	17,112	17,143	31	0.2%	
11.1%	17,085	17,112	27	0.2%	
12.3%	17,040	17,072	32	0.2%	
13.6%	16,965	17,044	79	0.5%	
14.8%	16,893	16,965	71	0.4%	
16.0%	16,887	16,931	43	0.3%	
17.3%	16,858	16,919	61	0.4%	
18.5%	16,809	16,894	85	0.5%	
19.8%	16,765	16,809	43	0.3%	
21.0%	16,661	16,791	130	0.8%	
22.2%	16,650	16,706	56	0.3%	
23.5%	16,604	16,674	71	0.4%	
24.7%	16,482	16,661	179	1.1%	
25.9%	16,469	16,455	-14	-0.1%	
27.2%	16,444	16,428	-16	-0.1%	
28.4%	16,396	16,396	0	0.0%	
29.6%	16,353	16,353	0	0.0%	
30.9%	16,338	16,260	-78	-0.5%	
32.1%	16,315	16,085	-229	-1.4%	
33.3%	16,260	16,062	-198	-1.2%	
34.6%	16,063	16,018	-45	-0.3%	
35.8%	16,017	15,915	-102	-0.6%	
37.0%	15,915	15,874	-41	-0.3%	
38.3%	15,833	15,858	25	0.2%	
39.5%	15,782	15,833	51	0.3%	
40.7%	15,731	15,799	68	0.4%	
42.0%	15,678	15,731	53	0.3%	
43.2%	15,678	15,678	0	0.0%	
44.4%	15,507	15,642	134	0.9%	
45.7%	15,477	15,478	1	0.0%	
46.9%	15,459	15,452	-8	-0.1%	
48.1%	15,384	15,429	46	0.3%	
49.4%	15,329	15,371	42	0.3%	
50.6%	15,309	15,341	32	0.2%	
51.9%	15,260	15,310	49	0.3%	
53.1%	15,195	15,261	66	0.4%	
54.3%	15,115	15,173	58	0.4%	
55.6%	15,109	15,172	64	0.4%	
56.8%	14,931	15,116	185	1.2%	
58.0%	14,881	15,011	130	0.9%	
59.3%	14,805	14,865	61	0.4%	
60.5%	14,426	14,630	204	1.4%	
61.7%	14,190	14,602</			

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

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	96	367	2,961	9,378	12,300	8,114	2,477	265	125	48	100	88
DCR 2015 With Project	322	391	2,815	8,961	12,313	7,638	2,384	244	124	48	281	336
Difference	227	24	-147	-417	13	-476	-93	-21	0	0	181	248
Percent Difference <sup>2</sup>		6.5%	-4.9%	-4.4%	0.1%	-5.9%	-3.8%					
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	86	537	3,682	25,491	30,636	21,308	6,587	632	251	48	143	128
DCR 2015 With Project	365	657	3,474	24,947	31,228	20,341	6,468	565	250	48	278	458
Difference	279	120	-208	-545	592	-968	-120	-67	-1	0	135	331
Percent Difference			-5.7%	-2.1%	1.9%	-4.5%	-1.8%					
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	37	763	1,110	6,598	11,377	7,134	1,426	183	66	48	95	65
DCR 2015 With Project	269	578	1,075	5,603	10,838	6,537	1,180	183	66	48	388	414
Difference	232	-185	-34	-995	-538	-597	-246	0	0	0	293	349
Percent Difference		-24.3%	-3.1%	-15.1%	-4.7%	-8.4%	-17.3%					
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	280	235	2,804	964	2,810	693	566	67	66	48	114	85
DCR 2015 With Project	676	283	2,423	720	2,380	527	455	67	66	48	365	342
Difference	396	47	-381	-244	-429	-166	-111	0	0	0	251	257
Percent Difference	141.5%	20.1%	-13.6%	-25.3%	-15.3%	-24.0%	-19.6%					
<b>Dry (22%)</b>												
DCR 2015 Without Project	43	189	5,054	545	1,769	697	308	77	67	48	62	65
DCR 2015 With Project	190	211	5,006	406	1,663	574	308	77	67	48	257	251
Difference	148	22	-47	-139	-106	-123	0	0	0	0	195	186
Percent Difference		11.5%	-0.9%	-25.4%	-6.0%	-17.6%	0.0%	0.0%				
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	41	23	295	310	363	292	107	68	64	48	54	67
DCR 2015 With Project	69	22	295	128	366	109	107	68	64	48	119	117
Difference	28	-1	0	-182	3	-183	0	0	0	0	65	50
Percent Difference	67.1%	-6.1%	0.0%	-58.8%	0.8%	-62.7%	0.0%	0.0%	0.0%	0.0%	119.6%	74.5%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

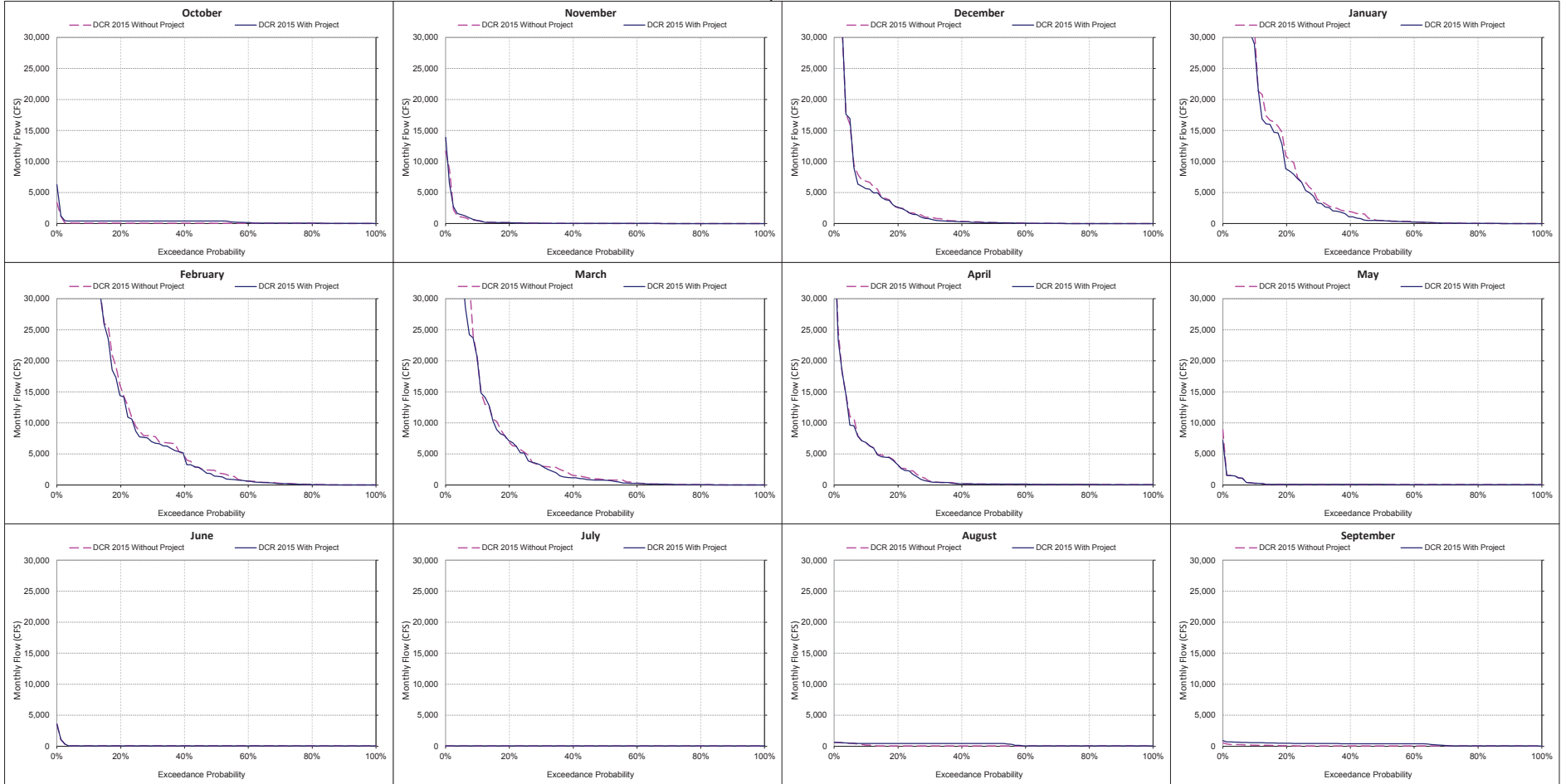




Table SW-31-b  
Yolo Bypass, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,405	6,270	2,864	84.1%
1.2%	1,201	1,201	0	0.0%
2.5%	126	449	323	256.4%
3.7%	104	390	286	274.6%
4.9%	76	390	314	413.1%
6.2%	64	390	326	508.2%
7.4%	63	390	327	515.8%
8.6%	63	390	327	516.8%
9.9%	63	390	327	516.8%
11.1%	63	390	327	516.8%
12.3%	63	390	327	516.6%
13.6%	63	390	327	520.9%
14.8%	63	390	327	520.9%
16.0%	63	390	328	523.1%
17.3%	62	390	329	532.0%
18.5%	62	390	329	534.3%
19.8%	61	390	329	536.5%
21.0%	61	390	329	538.8%
22.2%	61	390	329	538.8%
23.5%	61	390	330	543.5%
24.7%	60	390	330	545.9%
25.9%	60	390	330	550.6%
27.2%	59	390	331	557.9%
28.4%	58	390	333	575.5%
29.6%	58	390	333	577.5%
30.9%	56	390	334	593.9%
32.1%	54	390	336	617.1%
33.3%	54	390	336	619.4%
34.6%	54	390	336	622.3%
35.8%	54	390	337	625.2%
37.0%	53	390	337	631.2%
38.3%	53	390	337	634.3%
39.5%	53	390	337	637.2%
40.7%	53	390	338	643.3%
42.0%	52	390	338	648.5%
43.2%	52	390	338	653.1%
44.4%	50	390	340	676.0%
45.7%	49	390	342	702.6%
46.9%	46	390	344	751.1%
48.1%	45	390	345	759.1%
49.4%	45	390	346	771.7%
50.6%	45	390	346	776.2%
51.9%	44	390	346	789.1%
53.1%	43	390	347	798.5%
54.3%	43	265	221	512.3%
55.6%	42	224	182	429.0%
56.8%	42	192	150	355.1%
58.0%	40	187	146	362.0%
59.3%	40	153	113	284.5%
60.5%	39	150	110	279.6%
61.7%	38	75	37	97.3%
63.0%	38	64	26	68.2%
64.2%	37	63	26	69.5%
65.4%	37	63	27	72.9%
66.7%	36	63	26	73.2%
67.9%	30	62	32	107.3%
69.1%	29	61	32	110.6%
70.4%	26	61	35	132.9%
71.6%	24	61	37	156.8%
72.8%	22	60	38	168.6%
74.1%	20	54	34	168.4%
75.3%	19	53	34	184.4%
76.5%	18	53	35	189.1%
77.8%	17	53	36	209.5%
79.0%	16	50	35	221.0%
80.2%	15	46	31	214.9%
81.5%	14	45	31	227.5%
82.7%	12	44	32	256.9%
84.0%	12	43	32	264.7%
85.2%	11	42	31	290.3%
86.4%	9	40	32	369.1%
87.7%	6	40	34	569.8%
88.9%	5	37	32	654.9%
90.1%	4	36	32	
91.4%	3	26	23	
92.6%	3	19	16	
93.8%	3	11	8	
95.1%	2	6	4	
96.3%	1	4	3	
97.5%	0	3	3	
98.8%	0	2	2	
100.0%	0	0	0	

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,658	13,899	2,241	19.2%
1.2%	8,668	6,435	-2,233	-25.8%
2.5%	2,224	2,704	480	21.6%
3.7%	1,168	1,605	437	37.4%
4.9%	1,059	1,442	384	36.2%
6.2%	933	1,209	276	29.6%
7.4%	655	933	277	42.3%
8.6%	551	655	104	18.9%
9.9%	489	489	0	0.0%
11.1%	353	429	76	21.4%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	127	6	5.3%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	51	-14	-21.2%
28.4%	51	50	-1	-1.6%
29.6%	50	49	-1	-2.4%
30.9%	49	38	-11	-23.2%
32.1%	38	37	-1	-2.2%
33.3%	37	36	-1	-3.2%
34.6%	36	35	-1	-4.4%
35.8%	35	35	0	0.0%
37.0%	35	25	-10	-28.6%
38.3%	25	12	-13	-53.3%
39.5%	17	10	-7	-41.2%
40.7%	12	10	-2	-16.7%
42.0%	10	10	0	0.0%
43.2%	10	10	0	0.0%
44.4%	10	10	0	0.0%
45.7%	10	9	0	0.0%
46.9%	10	9	-1	-10.0%
48.1%	9	9	0	0.0%
49.4%	9	8	-1	-11.1%
50.6%	9	8	-1	-11.1%
51.9%	8	7	-1	-12.5%
53.1%	8	7	-1	-12.5%
54.3%	7	7	0	0.0%
55.6%	7	7	0	0.0%
56.8%	7	6	-1	-14.3%
58.0%	7	5	-2	-28.6%
59.3%	6	5	-1	-16.7%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	3	-2	-40.0%
65.4%	3	2	-1	-33.3%
66.7%	2	1	0	0.0%
67.9%	1	0	-1	-100.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,099	52,525	-2,574	-4.7%
1.2%	34,576	34,044	-532	-1.5%
2.5%	31,396	31,919	523	1.7%
3.7%	17,672	17,617	-55	-0.3%
4.9%	15,971	16,924	953	6.0%
6.2%	9,479	9,030	-449	-4.7%
7.4%	7,923	6,367	-1,556	-19.6%
8.6%	7,007	5,998	-1,009	-14.4%
9.9%	6,851	5,821	-1,030	-18.0%
11.1%	6,648	5,539	-1,109	-16.7%
12.3%	5,922	4,944	-979	-16.5%
13.6%	5,521	4,938	-583	-10.6%
14.8%	4,199	4,218	19	0.5%
16.0%	4,068	3,828	-240	-5.9%
17.3%	3,804	3,755	-49	-1.3%
18.5%	2,817	2,990	173	6.1%
19.8%	2,614	2,632	19	0.7%
21.0%	2,450	2,488	38	1.6%
22.2%	2,417	2,177	-240	-9.9%
23.5%	1,715	1,734	19	1.2%
24.7%	1,711	1,498	-213	-12.4%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	826	-221	-21.1%
29.6%	876	800	-76	-8.7%
30.9%	967	605	-362	-37.4%
32.1%	800	514	-286	-35.7%
33.3%	790	470	-320	-40.5%
34.6%	605	411	-194	-32.0%
35.8%	470	375	-95	-20.2%
37.0%	442	350	-93	-21.0%
38.3%	411	330	-81	-19.8%
39.5%	350	297	-53	-15.2%
40.7%	330	285	-45	-13.8%
42.0%	294	265	-29	-9.9%
43.2%	281	195	-86	-30.7%
44.4%	280	192	-88	-31.4%
45.7%	265	174	-91	-34.4%
46.9%	195	158	-37	-19.2%
48.1%	192	158	-34	-17.8%
49.4%	158	138	-20	-12.4%
50.6%	138	135	-3	-2.2%
51.9%	135	107	-28	-20.7%
53.1%	122	102	-20	-16.4%
54.3%	107	93	-15	-13.9%
55.6%	93	91	-2	-2.2%
56.8%	91	81	-10	-11.0%
58.0%	81	63	-18	-22.2%
59.3%	63	57	-6	-9.5%
60.5%	57	55	-2	-3.5%
61.7%	55	42	-13	-23.6%
63.0%	42	42	0	0.0%
64.2%	42	41	-1	-2.4%
65.4%	41	37	-4	-9.8%
66.7%	37	23	-15	-40.5%
67.9%	23	20	-3	-13.0%
69.1%	20	13	-7	-35.0%
70.4%	13	10	-3	-23.1%
71.6%	8	5	-3	-37.5%
72.8%	5	0	-5	-100.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	134,629	134,582	-46	0.0%
1.2%	114,246	114,432	187	0.2%
2.5%	63,949	60,137	-3,812	-6.0%
3.7%	56,205	56,373	168	0.3%
4.9%	39,142	42,530	3,388	8.7%
6.2%	38,077	38,565	488	1.3%
7.4%	33,349	32,095	-1,254	-3.8%
8.6%	33,223	30,863	-2,359	-7.7%
9.9%	31,727	28,945	-2,782	-8.8%
11.1%	21,352	21,441	89	0.4%
12.3%	20,786	16,824	-3,962	-19.1%
13.6%	17,358	16,076	-1,283	-7.4%
14.8%	16,638	15,981	-657	-3.9%
16.0%	16,392	14,723	-1,669	-10.2%
17.3%	15,702	14,606	-1,096	-7.0%
18.5%	14,750	12,759	-1,991	-13.5%
19.8%	10,892</			

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

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	123,829	125,425	1,595	1.3%	
1.2%	108,963	114,191	4,208	3.8%	
2.5%	70,534	97,250	26,716	37.9%	
3.7%	69,092	69,045	-46	-0.1%	
4.9%	67,450	67,342	-108	-0.2%	
6.2%	46,738	46,819	81	0.2%	
7.4%	43,582	43,288	-294	-0.7%	
8.6%	42,662	43,662	1,000	0.9%	
9.9%	42,385	40,477	-1,908	-4.5%	
11.1%	42,264	39,865	-2,399	-5.7%	
12.3%	40,644	38,483	-2,161	-5.3%	
13.6%	31,015	30,682	-333	-1.1%	
14.8%	25,977	25,841	-136	-0.5%	
16.0%	25,696	23,988	-1,708	-6.2%	
17.3%	20,981	18,547	-2,434	-11.6%	
18.5%	19,059	17,338	-1,722	-9.0%	
19.8%	16,097	14,411	-1,685	-10.5%	
21.0%	14,236	14,165	-71	-0.5%	
22.2%	12,817	10,919	-1,898	-14.8%	
23.5%	10,867	10,615	-252	-2.3%	
24.7%	9,475	8,653	-822	-8.7%	
25.9%	8,655	7,748	-907	-10.5%	
27.2%	7,942	7,656	-286	-3.6%	
28.4%	7,938	7,580	-358	-4.5%	
29.6%	7,958	6,985	-973	-11.1%	
30.9%	7,784	6,730	-1,054	-13.5%	
32.1%	6,907	6,656	-252	-3.6%	
33.3%	6,859	6,276	-583	-8.5%	
34.6%	6,792	6,245	-547	-8.1%	
35.8%	6,721	5,852	-869	-12.9%	
37.0%	6,643	5,515	-1,128	-17.0%	
38.3%	5,359	5,358	-1	0.0%	
39.5%	5,082	5,201	118	2.3%	
40.7%	3,994	3,250	-744	-18.6%	
42.0%	3,793	3,242	-551	-14.5%	
43.2%	2,826	2,894	7	0.3%	
44.4%	2,823	2,828	5	0.2%	
45.7%	2,515	2,418	-97	-3.9%	
46.9%	2,410	1,890	-520	-21.6%	
48.1%	2,381	1,826	-554	-23.3%	
49.4%	2,361	1,406	-955	-40.4%	
50.6%	1,862	1,865	3	0.2%	
51.9%	1,819	1,277	-542	-29.8%	
53.1%	1,703	957	-746	-43.8%	
54.3%	1,406	911	-496	-35.2%	
55.6%	1,365	879	-486	-35.6%	
56.8%	879	782	-97	-11.0%	
58.0%	744	744	0	0.0%	
59.3%	629	629	0	0.0%	
60.5%	596	596	0	0.0%	
61.7%	588	468	-120	-20.4%	
63.0%	468	425	-43	-9.2%	
64.2%	425	389	-36	-8.5%	
65.4%	389	389	0	0.0%	
66.7%	389	355	-34	-8.7%	
67.9%	355	303	-52	-14.6%	
69.1%	303	229	-74	-24.4%	
70.4%	229	227	-2	-0.9%	
71.6%	227	219	-8	-3.5%	
72.8%	219	193	-26	-12.0%	
74.1%	193	137	-56	-29.0%	
75.3%	137	112	-25	-18.2%	
76.5%	112	110	-2	-1.8%	
77.8%	110	85	-25	-22.7%	
79.0%	85	81	-4	-4.7%	
80.2%	81	52	-29	-35.8%	
81.5%	52	50	-2	-3.8%	
82.7%	41	37	-4	-9.8%	
84.0%	28	26	-2	-7.1%	
85.2%	28	24	-4	-14.3%	
86.4%	22	19	-3	-13.6%	
87.7%	19	2	-17	-89.5%	
88.9%	0	0	0	0.0%	
90.1%	0	0	0	0.0%	
91.4%	0	0	0	0.0%	
92.6%	0	0	0	0.0%	
93.8%	0	0	0	0.0%	
95.1%	0	0	0	0.0%	
96.3%	0	0	0	0.0%	
97.5%	0	0	0	0.0%	
98.8%	0	0	0	0.0%	
100.0%	0	0	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	121,185	127,845	6,660	5.5%	
1.2%	115,215	109,603	-5,612	-4.9%	
2.5%	65,521	64,162	-1,359	-2.1%	
3.7%	46,872	42,161	-4,712	-10.1%	
4.9%	42,305	36,178	-6,127	-14.5%	
6.2%	36,162	28,633	-7,529	-20.8%	
7.4%	33,094	24,208	-8,886	-26.9%	
8.6%	24,101	23,714	-387	-1.6%	
9.9%	20,671	20,614	-58	-0.3%	
11.1%	14,897	14,821	-76	-0.5%	
12.3%	12,992	14,143	1,152	8.9%	
13.6%	12,827	12,821	-6	-0.1%	
14.8%	10,502	10,330	-172	-1.6%	
16.0%	10,231	8,893	-1,338	-13.1%	
17.3%	8,905	8,208	-697	-7.8%	
18.5%	7,915	7,956	41	0.5%	
19.8%	7,005	7,143	138	2.0%	
21.0%	6,305	6,794	489	7.8%	
22.2%	6,211	6,211	0	0.0%	
23.5%	5,706	5,197	-509	-8.9%	
24.7%	5,264	5,119	-146	-2.8%	
25.9%	4,802	3,842	-960	-20.0%	
27.2%	3,623	3,623	0	0.0%	
28.4%	3,393	3,488	94	2.8%	
29.6%	3,276	3,128	-148	-4.7%	
30.9%	2,984	2,538	-446	-14.9%	
32.1%	2,937	2,485	-452	-15.4%	
33.3%	2,835	2,243	-591	-20.9%	
34.6%	2,827	1,969	-858	-30.4%	
35.8%	2,485	1,442	-1,043	-42.0%	
37.0%	2,241	1,308	-933	-41.7%	
38.3%	2,056	1,205	-851	-41.4%	
39.5%	1,591	1,169	-422	-26.5%	
40.7%	1,480	1,153	-328	-22.1%	
42.0%	1,453	1,028	-426	-29.3%	
43.2%	1,306	969	-337	-25.8%	
44.4%	1,169	868	-302	-25.8%	
45.7%	1,028	799	-229	-22.3%	
46.9%	982	780	-202	-20.6%	
48.1%	969	778	-190	-19.7%	
49.4%	865	775	-90	-10.3%	
50.6%	803	738	-65	-8.0%	
51.9%	780	696	-84	-10.8%	
53.1%	778	549	-229	-29.5%	
54.3%	772	475	-297	-38.5%	
55.6%	766	313	-454	-59.2%	
56.8%	475	306	-169	-35.6%	
58.0%	464	268	-196	-42.2%	
59.3%	313	257	-56	-17.9%	
60.5%	257	244	-13	-5.1%	
61.7%	244	229	-15	-6.1%	
63.0%	220	169	-50	-22.7%	
64.2%	159	150	-9	-5.7%	
65.4%	150	148	-2	-1.3%	
66.7%	148	130	-18	-12.2%	
67.9%	130	119	-11	-8.5%	
69.1%	119	113	-6	-5.0%	
70.4%	113	80	-33	-29.2%	
71.6%	80	77	-3	-3.8%	
72.8%	77	65	-12	-15.5%	
74.1%	65	62	-3	-4.6%	
75.3%	62	49	-13	-21.0%	
76.5%	50	48	-2	-4.0%	
77.8%	48	47	-1	-2.1%	
79.0%	47	45	-2	-4.3%	
80.2%	45	36	-9	-20.0%	
81.5%	36	30	-6	-16.7%	
82.7%	30	28	-2	-6.7%	
84.0%	28	19	-9	-32.1%	
85.2%	19	13	-6	-31.6%	
86.4%	13	7	-6	-46.2%	
87.7%	7	7	0	0.0%	
88.9%	7	0	-7	-100.0%	
90.1%	7	4	-3	-42.9%	
91.4%	4	4	0	0.0%	
92.6%	0	0	0	0.0%	
93.8%	0	0	0	0.0%	
95.1%	0	0	0	0.0%	
96.3%	0	0	0	0.0%	
97.5%	0	0	0	0.0%	
98.8%	0	0	0	0.0%	
100.0%	0	0	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	41,188	41,149	-39	-0.1%	
1.2%	24,877	23,342	-1,535	-6.2%	
2.5%	18,189	18,127	-61	-0.3%	
3.7%	14,430	14,608	177	1.2%	
4.9%	10,983	9,615	-1,368	-12.5%	
6.2%	10,754	9,565	-1,189	-11.1%	
7.4%	7,928	7,843	-85	-1.1%	
8.6%	7,086	7,096	10	0.1%	
9.9%	6,830	6,840	10	0.1%	
11.1%	6,313	6,299	-14	-0.2%	
12.3%	5,970	5,955	-15	-0.3%	
13.6%	4,903	4,846	-57	-1.2%	
14.8%	4,846	4,556	-289	-6.0%	
16.0%	4,555	4,458	-97	-2.1%	
17.3%	4,458	4,396	-62	-1.4%	
18.5%	4,093	3,925	-168	-4.1%	
19.8%	3,336	3,143	-193	-5.8%	
21.0%	2,671	2,670	-1	-0.0%	
22.2%	2,662	2,293	-368	-13.8%	
23.5%	2,264	2,264	0	0.0%	
24.7%	2,264	1,697	-567	-25.0%	
25.9%	1,697	1,315	-382	-22.5%	
27.2%	1,315	899	-415	-31.6%	
28.4%	1,095	668	-427	-39.0%	
29.6%	948	558	-390	-41.1%	
30.9%	558	445	-113	-20.2%	
32.1%	445	418	-27	-6.1%	
33.3%	418	388	-30	-7.1%	
34.6%	388	385	-3	-0.9%	
35.8%	385	383	-2	-0.5%	
37.0%	383	250	-132	-34.6%	
38.3%	250	198	-52	-21.0%	
39.5%	198	176	-22	-11.0%	
40.7%	176	172	-4	-2.3%	
42.0%	176	167	-9	-5.3%	
43.2%	167	159	-8	-4.7%	
44.4%	159	150	-9	-5.6%	
45.7%	150	142	-8	-5.3%	
46.9%	142	139	-3	-2.2%	
48.1%	139	139	0	0.0%	
49.4%	139	131	-8	-5.7%	
50.6%	131	120	-11	-8.4%	
51.9%	120	119	0	0.0%	
53.1%	119	67	-52	-43.7%	
54.3%	119	67	-52	-43.7%	
55.6%	116	115	-1	-0.9%	
56.8%	115	114	-1	-0.9%	
58.0%	114	112	-2	-1.8%	
59.3%	112	111	-1	-0.9%	
60.5%	111	111	0	0.0%	
61.7%	111	109	-2	-1.8%	
63.0%	109	103	-6	-5.5%	
64.2%	103	99	-4	-3.9%	
65.4%	99	95	-4	-4.0%	
66.7%	95	95	0	0.0%	
67.9%	95	90	-5	-5.3%	
69.1%	90	87	-3	-3.3%	
70.4%	87	87	0	0.0%	
71.6%	87	86	-1	-1.1%	
72.8%	86	85	-1	-1.2%	
74.1%	85	82	-3	-3.5%	
75.3%	82	82	0	0.0%	
76.5%	82	81	-1	-1.2%	
77.8%	81	80	-1	-1.2%	
79.0%	80	78	-2	-2.5%	
80.2%	78	76	-2	-2.6%	
81.5%	76	72	-4	-5.3%	
82.7%	72	71	-1	-1.4%	
84.0%	71	65	-6	-8.4%	
8					

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

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,609	3,576	-33	-0.9%	
1.2%	1,081	1,062	-19	-0.0%	
2.5%	349	349	0	0.0%	
3.7%	68	68	0	0.0%	
4.9%	68	68	0	0.0%	
6.2%	68	68	0	0.0%	
7.4%	68	68	0	0.0%	
8.6%	68	68	0	0.0%	
9.9%	68	68	0	0.0%	
11.1%	68	68	0	0.0%	
12.3%	68	68	0	0.0%	
13.6%	68	68	0	0.0%	
14.8%	68	68	0	0.0%	
16.0%	68	68	0	0.0%	
17.3%	68	68	0	0.0%	
18.5%	68	68	0	0.0%	
19.8%	68	68	0	0.0%	
21.0%	68	68	0	0.0%	
22.2%	68	68	0	0.0%	
23.5%	68	68	0	0.0%	
24.7%	68	68	0	0.0%	
25.9%	68	68	0	0.0%	
27.2%	68	68	0	0.0%	
28.4%	68	68	0	0.0%	
29.6%	68	68	0	0.0%	
30.9%	68	68	0	0.0%	
32.1%	68	68	0	0.0%	
33.3%	68	68	0	0.0%	
34.6%	68	68	0	0.0%	
35.8%	68	68	0	0.0%	
37.0%	68	68	0	0.0%	
38.3%	68	68	0	0.0%	
39.5%	68	68	0	0.0%	
40.7%	68	68	0	0.0%	
42.0%	68	68	0	0.0%	
43.2%	68	68	0	0.0%	
44.4%	68	68	0	0.0%	
45.7%	67	67	0	0.0%	
46.9%	67	67	0	0.0%	
48.1%	67	67	0	0.0%	
49.4%	67	67	0	0.0%	
50.6%	67	67	0	0.0%	
51.9%	67	67	0	0.0%	
53.1%	67	67	0	0.0%	
54.3%	67	67	0	0.0%	
55.6%	67	67	0	0.0%	
56.8%	67	67	0	0.0%	
58.0%	67	67	0	0.0%	
59.3%	67	67	0	0.0%	
60.5%	67	67	0	0.0%	
61.7%	66	66	0	0.0%	
63.0%	66	66	0	0.0%	
64.2%	66	66	0	0.0%	
65.4%	66	66	0	0.0%	
66.7%	66	66	0	0.0%	
67.9%	66	66	0	0.0%	
69.1%	66	66	0	0.0%	
70.4%	66	66	0	0.0%	
71.6%	65	65	0	0.0%	
72.8%	65	65	0	0.0%	
74.1%	65	65	0	0.0%	
75.3%	65	65	0	0.0%	
76.5%	65	65	0	0.0%	
77.8%	65	65	0	0.0%	
79.0%	65	65	0	0.0%	
80.2%	64	64	0	0.0%	
81.5%	63	63	0	0.0%	
82.7%	63	63	0	0.0%	
84.0%	63	63	0	0.0%	
85.2%	63	63	0	0.0%	
86.4%	63	63	0	0.0%	
87.7%	63	63	0	0.0%	
88.9%	63	63	0	0.0%	
90.1%	62	62	0	0.0%	
91.4%	62	62	0	0.0%	
92.6%	61	61	0	0.0%	
93.8%	59	59	0	0.0%	
95.1%	57	57	0	0.0%	
96.3%	57	57	0	0.0%	
97.5%	56	56	0	0.0%	
98.8%	56	56	0	0.0%	
100.0%	53	53	0	0.0%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	48	48	0	0.0%	
1.2%	48	48	0	0.0%	
2.5%	48	48	0	0.0%	
3.7%	48	48	0	0.0%	
4.9%	48	48	0	0.0%	
6.2%	48	48	0	0.0%	
7.4%	48	48	0	0.0%	
8.6%	48	48	0	0.0%	
9.9%	48	48	0	0.0%	
11.1%	48	48	0	0.0%	
12.3%	48	48	0	0.0%	
13.6%	48	48	0	0.0%	
14.8%	48	48	0	0.0%	
16.0%	48	48	0	0.0%	
17.3%	48	48	0	0.0%	
18.5%	48	48	0	0.0%	
19.8%	48	48	0	0.0%	
21.0%	48	48	0	0.0%	
22.2%	48	48	0	0.0%	
23.5%	48	48	0	0.0%	
24.7%	48	48	0	0.0%	
25.9%	48	48	0	0.0%	
27.2%	48	48	0	0.0%	
28.4%	48	48	0	0.0%	
29.6%	48	48	0	0.0%	
30.9%	48	48	0	0.0%	
32.1%	48	48	0	0.0%	
33.3%	48	48	0	0.0%	
34.6%	48	48	0	0.0%	
35.8%	48	48	0	0.0%	
37.0%	48	48	0	0.0%	
38.3%	48	48	0	0.0%	
39.5%	48	48	0	0.0%	
40.7%	48	48	0	0.0%	
42.0%	48	48	0	0.0%	
43.2%	48	48	0	0.0%	
44.4%	48	48	0	0.0%	
45.7%	48	48	0	0.0%	
46.9%	48	48	0	0.0%	
48.1%	48	48	0	0.0%	
49.4%	48	48	0	0.0%	
50.6%	48	48	0	0.0%	
51.9%	48	48	0	0.0%	
53.1%	48	48	0	0.0%	
54.3%	48	48	0	0.0%	
55.6%	48	48	0	0.0%	
56.8%	48	48	0	0.0%	
58.0%	48	48	0	0.0%	
59.3%	48	48	0	0.0%	
60.5%	48	48	0	0.0%	
61.7%	48	48	0	0.0%	
63.0%	48	48	0	0.0%	
64.2%	48	48	0	0.0%	
65.4%	48	48	0	0.0%	
66.7%	48	48	0	0.0%	
67.9%	48	48	0	0.0%	
69.1%	48	48	0	0.0%	
70.4%	48	48	0	0.0%	
71.6%	48	48	0	0.0%	
72.8%	48	48	0	0.0%	
74.1%	48	48	0	0.0%	
75.3%	48	48	0	0.0%	
76.5%	48	48	0	0.0%	
77.8%	48	48	0	0.0%	
79.0%	48	48	0	0.0%	
80.2%	48	48	0	0.0%	
81.5%	48	48	0	0.0%	
82.7%	48	48	0	0.0%	
84.0%	48	48	0	0.0%	
85.2%	48	48	0	0.0%	
86.4%	48	48	0	0.0%	
87.7%	48	48	0	0.0%	
88.9%	48	48	0	0.0%	
90.1%	48	48	0	0.0%	
91.4%	48	48	0	0.0%	
92.6%	48	48	0	0.0%	
93.8%	48	48	0	0.0%	
95.1%	48	48	0	0.0%	
96.3%	48	48	0	0.0%	
97.5%	47	47	0	0.0%	
98.8%	47	47	0	0.0%	
100.0%	41	41	0	0.0%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	628	628	0	0.0%	
1.2%	610	610	0	0.0%	
2.5%	549	576	27	4.8%	
3.7%	502	549	47	9.3%	
4.9%	486	502	16	3.4%	
6.2%	431	486	55	12.7%	
7.4%	366	450	84	23.0%	
8.6%	302	445	143	47.3%	
9.9%	186	445	260	140.0%	
11.1%	164	445	281	170.9%	
12.3%	126	445	320	254.6%	
13.6%	60	445	385	644.2%	
14.8%	55	445	390	711.1%	
16.0%	55	445	390	711.1%	
17.3%	55	445	390	711.1%	
18.5%	55	445	390	711.1%	
19.8%	55	445	390	711.1%	
21.0%	55	445	390	711.1%	
22.2%	55	445	390	711.1%	
23.5%	55	445	390	711.1%	
24.7%	55	445	390	711.1%	
25.9%	55	445	390	711.1%	
27.2%	55	445	390	711.1%	
28.4%	55	445	390	711.1%	
29.6%	55	445	390	711.1%	
30.9%	55	445	390	711.1%	
32.1%	55	445	390	711.1%	
33.3%	55	445	390	711.1%	
34.6%	55	445	390	711.1%	
35.8%	55	445	390	711.1%	
37.0%	55	445	390	711.1%	
38.3%	55	445	390	711.1%	
39.5%	55	445	390	711.1%	
40.7%	55	445	390	711.1%	
42.0%	55	445	390	711.1%	
43.2%	55	445	390	711.1%	
44.4%	55	445	390	711.1%	
45.7%	55	445	390	710.9%	
46.9%	55	445	390	710.6%	
48.1%	55	445	390	710.4%	
49.4%	55	444	389	709.4%	
50.6%	55	444	389	708.5%	
51.9%	55	439	385	700.7%	
53.1%	55	431	376	685.5%	
54.3%	55	366	311	566.8%	
55.6%	55	302	247	450.7%	
56.8%	55	164	109	199.4%	
58.0%	55	126	71	128.7%	
59.3%	55	55	0	0.0%	
60.5%	55	55	0	0.0%	
61.7%	55	55	0	0.0%	
63.0%	55	55	0	0.0%	
64.2%	55	55	0	0.0%	
65.4%	55	55	0	0.0%	
66.7%	55	55	0	0.0%	
67.9%	55	55	0	0.0%	
69.1%	55	55	0	0.0%	
70.4%	55	55	0	0.0%	
71.6%	55	55	0	0.0%	
72.8%	55	55	0	0.0%	
74.1%	55	55	0	0.0%	
75.3%	55	55	0	0.3%	
76.5%	55	55	0	0.3%	
77.8%	55	55	0	0.3%	
79.0%	55	55	0	0.3%	
80.2%	55	55	0	0.3%	
81.5%	55	55	0	0.3%	
82.7%	55	55	0	0.3%	
84.0%	55	55	0	0.3%	
85.2%	54	55	0	0.5%	
86.4%	54	55	0	0.6%	
87.7%	54	55	0	0.6%	
88.9%	54	55	0	0.7%	
90.1%	54	54	0	0.8%	
91.4%	54	54	0	0.8%	
92.6%	54	54	0	0.9%	
93.8%	54	54	0	0.5%	
95.1%	53	54	0	0.6%	
96.3%	52	54	1	2.3%	
97.5%	50	52	2	4.6%	
98.8%	49	50	1	2.0%	
100.0%	42	42	0	0.0%	

September					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	554	911	357	64.5%	
1.2%	366	721	356	97.2%	
2.5%	291	695	405	139.2%	
3.7%	279	677	398		

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

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6,742	12,235	21,035	35,870	44,346	34,979	21,318	15,007	10,024	10,633	7,758	12,065
DCR 2015 With Project	7,359	12,626	20,381	34,471	43,357	33,308	20,900	14,900	10,121	10,809	8,351	12,795
Difference	617	392	-654	-1,399	-989	-1,671	-418	-107	97	176	593	730
Percent Difference <sup>2</sup>	9.1%	3.2%	-3.1%	-3.9%	-2.2%	-4.8%	-2.0%	-0.7%	1.0%	1.7%	7.6%	6.1%
<b>Water Year Types<sup>3</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,862	17,150	23,642	68,933	80,027	63,511	38,355	26,226	16,206	11,327	9,204	22,250
DCR 2015 With Project	9,135	17,545	22,804	67,697	80,104	61,821	37,925	26,017	16,525	11,351	9,303	22,133
Difference	273	396	-838	-1,237	77	-1,689	-430	-209	320	24	100	-117
Percent Difference	3.1%	2.3%	-3.5%	-1.8%	0.1%	-2.7%	-1.1%	-0.8%	2.0%	0.2%	1.1%	-0.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	7,460	15,531	19,935	39,074	50,372	42,888	22,441	16,294	10,124	12,759	9,456	13,324
DCR 2015 With Project	8,262	15,198	18,767	36,643	48,741	40,576	21,577	16,278	9,755	12,915	9,687	13,828
Difference	802	-333	-1,168	-2,432	-1,631	-2,312	-864	-15	-369	156	231	503
Percent Difference	10.7%	-2.1%	-5.9%	-6.2%	-3.2%	-5.4%	-3.8%	-0.1%	-3.6%	1.2%	2.4%	3.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	7,983	11,743	24,916	19,714	29,548	19,346	14,572	10,775	7,521	12,145	9,038	7,817
DCR 2015 With Project	9,208	12,760	24,190	17,966	28,260	17,248	14,011	10,411	7,593	12,227	9,457	8,585
Difference	1,225	1,017	-726	-1,749	-1,288	-2,098	-561	-364	73	82	419	769
Percent Difference	15.3%	8.7%	-2.9%	-8.9%	-4.4%	-10.8%	-3.9%	-3.4%	1.0%	0.7%	4.6%	9.8%
<b>Dry (22%)</b>												
DCR 2015 Without Project	4,507	8,551	22,555	14,455	20,846	16,980	10,352	7,772	6,650	10,259	5,993	5,551
DCR 2015 With Project	5,329	9,100	22,555	13,580	19,237	15,278	10,056	7,928	6,638	10,696	7,299	7,239
Difference	823	549	0	-875	-1,609	-1,702	-295	157	-12	436	1,306	1,688
Percent Difference	18.3%	6.4%	0.0%	-6.1%	-7.7%	-10.0%	-2.9%	2.0%	-0.2%	4.3%	21.8%	30.4%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	3,338	4,387	9,681	11,998	13,523	10,490	7,601	5,204	4,512	5,803	4,082	3,470
DCR 2015 With Project	3,494	4,531	9,042	10,901	12,145	10,041	7,641	5,127	4,784	6,046	5,242	4,780
Difference	156	144	-639	-1,096	-1,378	-449	40	-77	272	243	1,160	1,310
Percent Difference	4.7%	3.3%	-6.6%	-9.1%	-10.2%	-4.3%	0.5%	-1.5%	6.0%	4.2%	28.4%	37.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

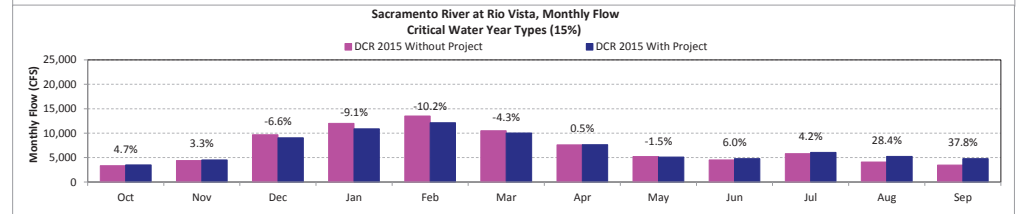
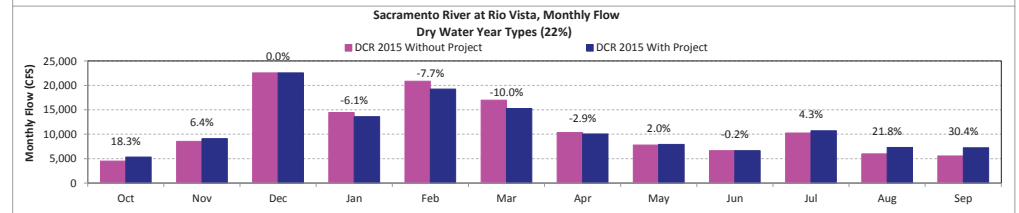
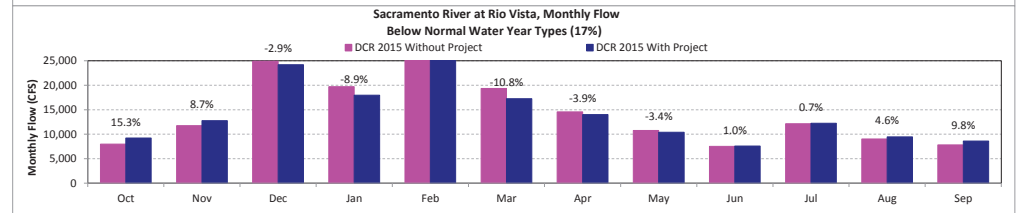
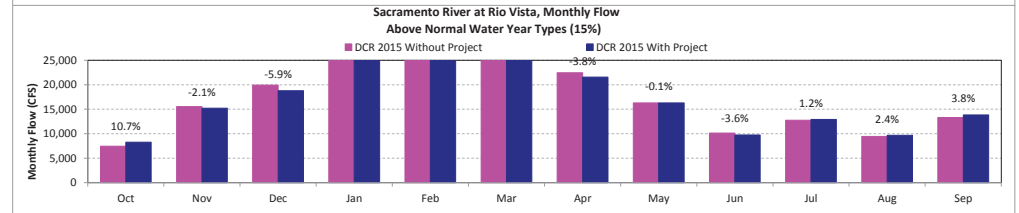
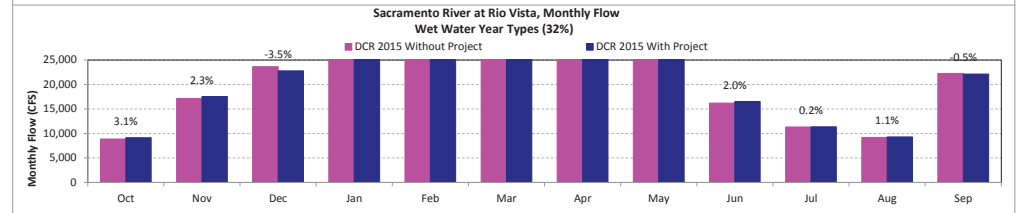
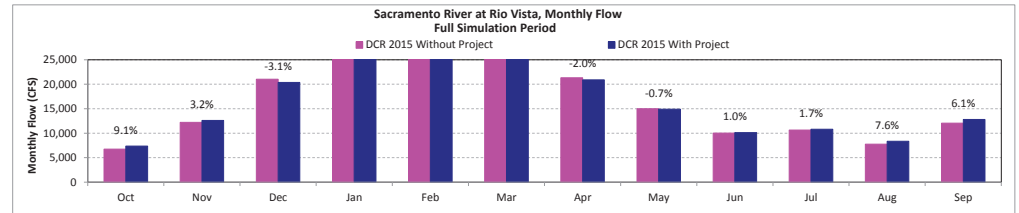


Figure SW-32-b  
 Sacramento River at Rio Vista, Monthly Flow  
 Probability of Exceedance

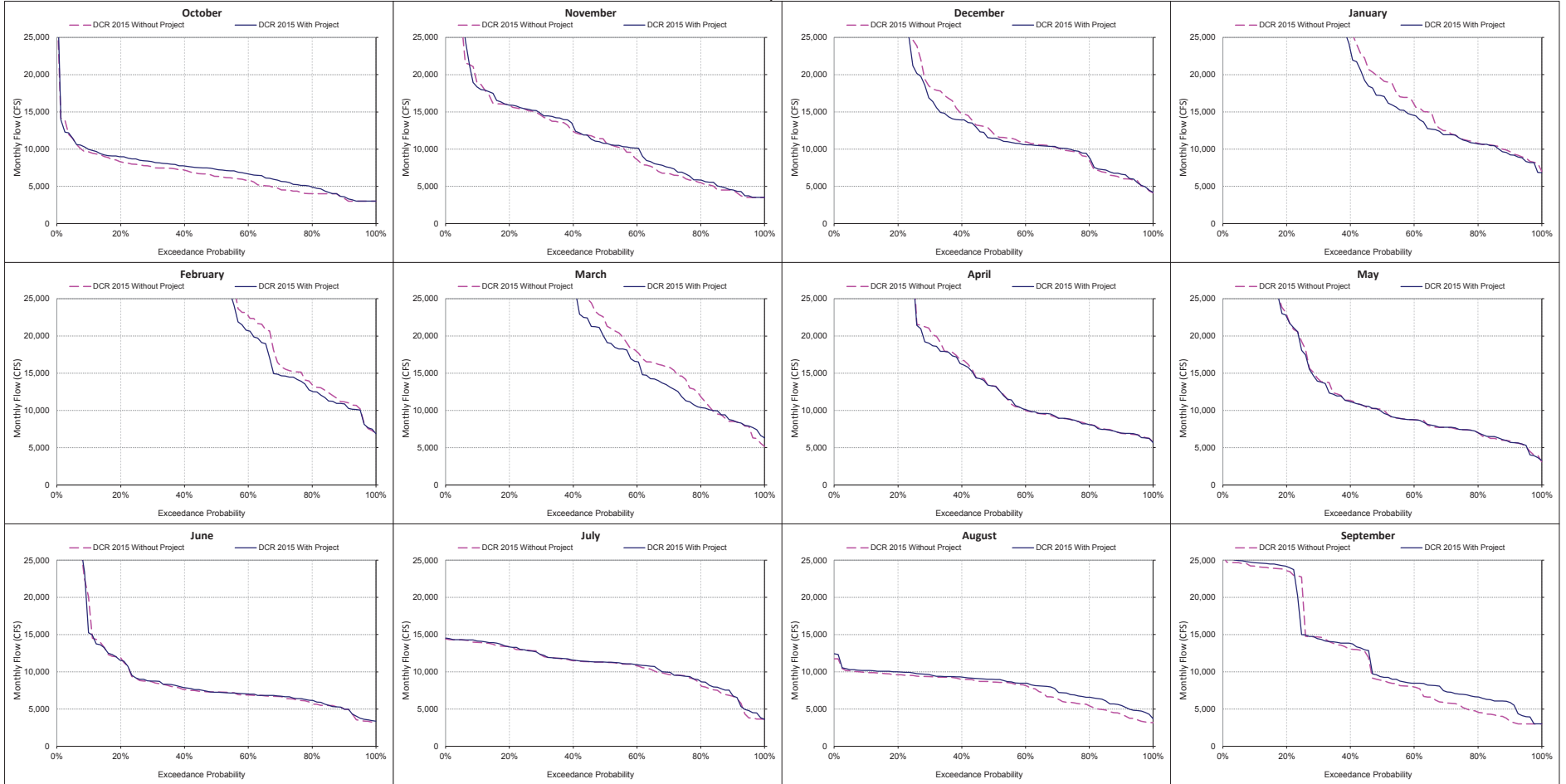


Table SW-32-b  
Sacramento River at Rio Vista, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,162	33,794	3,631	12.0%
1.2%	14,143	13,944	-198	-1.4%
2.5%	13,985	12,305	-1,679	-12.0%
3.7%	11,975	12,169	194	1.6%
4.9%	11,439	11,458	19	0.2%
6.2%	10,619	10,617	-2	0.0%
7.4%	10,074	10,550	476	4.7%
8.6%	9,659	10,296	637	6.6%
9.9%	9,546	9,987	442	4.6%
11.1%	9,452	9,815	363	3.8%
12.3%	9,339	9,676	336	3.6%
13.6%	9,259	9,403	145	1.6%
14.8%	9,000	9,219	219	2.4%
16.0%	8,868	9,131	263	3.0%
17.3%	8,595	9,080	485	5.6%
18.5%	8,550	9,079	529	6.2%
19.8%	8,309	8,973	664	8.0%
21.0%	8,196	8,960	763	9.3%
22.2%	8,116	8,804	687	8.5%
23.5%	7,989	8,688	699	8.8%
24.7%	7,965	8,674	709	8.9%
25.9%	7,893	8,526	633	8.0%
27.2%	7,781	8,223	442	5.7%
28.4%	7,753	8,386	634	8.2%
29.6%	7,657	8,342	685	9.0%
30.9%	7,474	8,202	728	9.7%
32.1%	7,461	8,146	685	9.2%
33.3%	7,459	8,098	639	8.6%
34.6%	7,449	8,029	580	7.8%
35.8%	7,417	7,971	554	7.5%
37.0%	7,356	7,940	584	7.9%
38.3%	7,233	7,766	533	7.4%
39.5%	7,230	7,744	514	7.1%
40.7%	7,088	7,674	586	8.3%
42.0%	6,902	7,602	700	10.1%
43.2%	6,826	7,502	676	9.9%
44.4%	6,695	7,517	823	12.3%
45.7%	6,679	7,478	798	12.0%
46.9%	6,657	7,473	816	12.3%
48.1%	6,558	7,439	881	13.4%
49.4%	6,352	7,344	992	15.6%
50.6%	6,335	7,234	899	14.2%
51.9%	6,271	7,186	915	14.6%
53.1%	6,155	7,125	970	15.8%
54.3%	6,147	7,074	927	15.1%
55.6%	6,068	7,068	1,000	16.5%
56.8%	6,013	6,902	889	14.8%
58.0%	5,960	6,842	882	14.8%
59.3%	5,813	6,726	913	15.7%
60.5%	5,798	6,616	818	14.1%
61.7%	5,752	6,494	742	12.9%
63.0%	5,194	6,468	1,274	24.5%
64.2%	5,122	6,431	1,308	25.5%
65.4%	5,070	6,120	1,050	20.7%
66.7%	5,030	6,075	1,045	20.8%
67.9%	4,861	5,937	1,076	22.1%
69.1%	4,756	5,817	1,061	22.3%
70.4%	4,521	5,642	1,120	24.8%
71.6%	4,498	5,610	1,111	24.7%
72.8%	4,486	5,494	1,008	22.5%
74.1%	4,360	5,280	920	21.1%
75.3%	4,352	5,216	864	19.8%
76.5%	4,170	5,110	940	22.5%
77.8%	4,047	5,110	1,063	26.2%
79.0%	4,015	5,053	1,038	25.9%
80.2%	4,012	4,854	842	21.0%
81.5%	4,000	4,712	712	17.8%
82.7%	4,000	4,653	653	16.3%
84.0%	4,000	4,378	378	9.5%
85.2%	4,000	4,208	208	5.2%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	3,601	3,642	41	1.2%
90.1%	3,368	3,598	230	6.8%
91.4%	3,000	3,264	264	8.8%
92.6%	3,000	3,193	193	6.4%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	56,606	59,999	3,393	6.0%
1.2%	48,191	45,697	-2,494	-5.2%
2.5%	38,827	40,939	2,013	5.2%
3.7%	28,914	30,031	1,118	3.9%
4.9%	27,317	29,801	2,484	9.1%
6.2%	21,578	24,634	3,056	14.2%
7.4%	21,379	21,385	6	0.0%
8.6%	21,081	18,950	-2,130	-10.1%
9.9%	19,850	18,351	-1,500	-7.6%
11.1%	18,677	18,182	-495	-2.7%
12.3%	17,913	17,913	0	0.0%
13.6%	17,295	17,705	410	2.4%
14.8%	16,192	17,510	1,318	8.1%
16.0%	16,090	16,536	447	2.8%
17.3%	16,062	16,365	303	1.9%
18.5%	16,040	16,074	34	0.2%
19.8%	16,035	15,936	-98	-0.6%
21.0%	15,820	15,896	76	0.5%
22.2%	15,526	15,786	260	1.7%
23.5%	15,413	15,688	275	1.8%
24.7%	15,412	15,442	30	0.2%
25.9%	15,157	15,370	213	1.4%
27.2%	15,101	15,224	124	0.8%
28.4%	14,941	15,188	247	1.7%
29.6%	14,534	14,877	343	2.4%
30.9%	14,257	14,474	217	1.5%
32.1%	14,100	14,463	363	2.6%
33.3%	13,755	14,387	632	4.6%
34.6%	13,720	14,198	478	3.5%
35.8%	13,579	14,195	616	4.5%
37.0%	13,556	13,971	415	3.1%
38.3%	13,191	13,934	743	5.6%
39.5%	12,524	13,526	1,002	8.0%
40.7%	12,184	12,402	219	1.8%
42.0%	12,007	12,181	173	1.4%
43.2%	11,972	11,893	-79	-0.7%
44.4%	11,812	11,882	70	0.6%
45.7%	11,788	11,314	-474	-4.0%
46.9%	11,547	11,066	-481	-4.2%
48.1%	11,417	10,998	-419	-3.7%
49.4%	11,394	10,778	-617	-5.4%
50.6%	10,669	10,773	105	1.0%
51.9%	10,567	10,576	9	0.1%
53.1%	10,372	10,523	151	1.5%
54.3%	10,244	10,520	276	2.7%
55.6%	10,236	10,327	91	0.9%
56.8%	9,588	10,286	698	7.3%
58.0%	9,572	10,181	609	6.4%
59.3%	8,840	10,135	1,295	14.6%
60.5%	8,419	10,108	1,689	20.1%
61.7%	7,899	9,059	1,160	14.7%
63.0%	7,853	8,460	607	7.7%
64.2%	7,709	8,333	624	8.1%
65.4%	7,492	8,047	555	7.4%
66.7%	7,013	7,927	914	13.0%
67.9%	6,764	7,820	1,056	15.6%
69.1%	6,761	7,625	864	12.8%
70.4%	6,681	7,493	813	12.2%
71.6%	6,492	7,339	847	13.0%
72.8%	6,456	6,916	460	7.1%
74.1%	6,371	6,906	535	8.4%
75.3%	6,010	6,649	639	10.6%
76.5%	5,837	6,365	528	9.0%
77.8%	5,817	5,867	50	0.9%
79.0%	5,586	5,866	280	5.0%
80.2%	5,451	5,825	374	6.9%
81.5%	5,215	5,621	406	7.8%
82.7%	5,176	5,553	377	7.3%
84.0%	5,030	5,539	510	10.1%
85.2%	4,550	5,047	497	10.9%
86.4%	4,500	4,926	426	9.5%
87.7%	4,500	4,801	301	6.7%
88.9%	4,500	4,574	74	1.6%
90.1%	4,500	4,500	0	0.0%
91.4%	4,107	4,350	242	5.9%
92.6%	3,732	4,296	564	15.1%
93.8%	3,500	3,729	229	6.5%
95.1%	3,500	3,717	217	6.2%
96.3%	3,500	3,521	21	0.6%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	121,403	118,543	-2,861	-2.4%
1.2%	78,142	77,427	-715	-0.9%
2.5%	72,372	73,782	1,410	1.9%
3.7%	69,155	69,766	611	0.9%
4.9%	67,719	63,832	-3,887	-5.7%
6.2%	60,597	60,504	-92	-0.2%
7.4%	58,636	57,892	-744	-1.3%
8.6%	58,115	52,747	-5,368	-9.2%
9.9%	56,616	49,740	-6,876	-12.1%
11.1%	47,525	48,182	657	1.4%
12.3%	44,687	41,472	-3,215	-7.2%
13.6%	37,975	36,492	-1,483	-3.9%
14.8%	37,392	36,292	-1,100	-2.9%
16.0%	34,496	35,457	961	2.8%
17.3%	32,573	33,374	800	2.5%
18.5%	32,112	32,650	538	1.7%
19.8%	30,257	29,939	-317	-1.0%
21.0%	29,012	29,084	72	0.2%
22.2%	27,249	26,823	-426	-1.6%
23.5%	27,235	24,874	-2,361	-8.7%
24.7%	24,648	21,202	-3,446	-14.0%
25.9%	23,874	20,159	-3,715	-15.6%
27.2%	22,025	19,767	-2,258	-10.3%
28.4%	19,421	18,605	-816	-4.2%
29.6%	18,989	18,518	-471	-2.5%
30.9%	18,071	16,983	-1,089	-6.0%
32.1%	17,913	15,588	-2,325	-13.0%
33.3%	17,799	14,936	-2,863	-16.1%
34.6%	17,205	14,833	-2,372	-13.8%
35.8%	16,838	14,349	-2,489	-14.8%
37.0%	16,504	14,076	-2,428	-14.7%
38.3%	15,515	13,958	-1,557	-10.0%
39.5%	14,900	13,930	-970	-6.5%
40.7%	14,728	13,919	-809	-5.5%
42.0%	14,511	13,573	-938	-6.5%
43.2%	14,507	13,502	-1,005	-6.9%
44.4%	13,237	12,971	-266	-2.0%
45.7%	13,148	12,326	-822	-6.2%
46.9%	13,063	12,249	-814	-6.2%
48.1%	12,888	11,525	-1,364	-10.6%
49.4%	12,355	11,487	-867	-7.0%
50.6%	11,773	11,473	-300	-2.5%
51.9%	11,580	11,307	-273	-2.4%
53.1%	11,565	11,028	-537	-4.6%
54.3%	11,487	11,018	-469	-4.1%
55.6%	11,460	10,907	-553	-4.8%
56.8%	11,307	10,799	-508	-4.5%
58.0%	11,028	10,739	-289	-2.6%
59.3%	10,997	10,596	-400	-3.6%
60.5%	10,940	10,574	-366	-3.3%
61.7%	10,739	10,572	-167	-1.5%
63.0%	10,729	10,506	-222	-2.1%
64.2%	10,574	10,454	-120	-1.1%
65.4%	10,548	10,449	-99	-0.9%
66.7%	10,506	10,415	-91	-0.9%
67.9%	10,389	10,371	-18	-0.2%
69.1%	10,289	10,358	69	0.7%
70.4%	10,114	10,161	46	0.5%
71.6%	9,840	10,104	264	2.7%
72.8%	9,819	10,069	250	2.5%
74.1%	9,743	9,971	228	2.3%
75.3%	9,652	9,789	136	1.4%
76.5%	9,601	9,710	109	1.1%
77.8%	9,100	9,467	367	4.0%
79.0%	9,013	9,448	435	4.8%
80.2%	8,308	8,671	363	4.4%
81.5%	7,232	7,558	326	4.5%
82.7%	7,154	7		

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

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	184,697	186,473	1,776	1.0%
1.2%	177,775	181,981	4,206	2.4%
2.5%	135,036	161,149	26,113	19.3%
3.7%	131,359	134,984	3,625	2.8%
4.9%	126,753	126,629	-125	-0.1%
6.2%	110,648	110,734	86	0.1%
7.4%	105,219	106,227	1,008	1.0%
8.6%	106,127	101,746	-3,383	-3.2%
9.9%	102,344	100,988	-1,356	-1.3%
11.1%	101,266	99,941	-1,325	-1.3%
12.3%	98,254	96,064	-2,189	-2.2%
13.6%	84,064	82,710	-1,354	-1.6%
14.8%	83,100	80,828	-2,272	-2.7%
16.0%	79,000	79,180	180	0.2%
17.3%	72,636	69,388	-3,247	-4.5%
18.5%	71,548	68,943	-2,605	-3.6%
19.8%	68,168	68,084	-84	-0.1%
21.0%	62,541	59,832	-2,709	-4.3%
22.2%	61,587	57,897	-3,690	-6.0%
23.5%	58,731	57,883	-848	-1.4%
24.7%	58,543	57,738	-805	-1.4%
25.9%	58,383	54,622	-3,761	-6.4%
27.2%	55,533	54,475	-1,058	-1.9%
28.4%	53,983	53,973	-10	0.0%
29.6%	49,288	49,264	-25	-0.1%
30.9%	49,248	47,587	-1,661	-3.4%
32.1%	48,922	46,053	-2,870	-5.9%
33.3%	47,765	45,622	-2,144	-4.5%
34.6%	47,610	45,255	-2,355	-4.9%
35.8%	46,375	45,088	-1,286	-2.8%
37.0%	44,800	45,064	264	0.6%
38.3%	44,666	42,037	-2,629	-5.9%
39.5%	42,684	39,807	-2,877	-6.7%
40.7%	42,026	39,533	-2,493	-5.9%
42.0%	40,178	38,011	-2,166	-5.4%
43.2%	39,252	37,252	-2,000	-5.1%
44.4%	38,027	37,027	-1,000	-2.6%
45.7%	32,340	31,062	-1,278	-4.0%
46.9%	32,158	28,969	-3,189	-9.9%
48.1%	31,049	28,597	-2,452	-7.9%
49.4%	30,853	28,525	-2,328	-7.5%
50.6%	31,736	27,663	-4,073	-12.8%
51.9%	29,723	27,073	-2,650	-8.9%
53.1%	29,355	25,921	-3,434	-11.7%
54.3%	28,803	25,710	-3,093	-10.7%
55.6%	26,455	24,108	-2,347	-8.9%
56.8%	23,666	21,905	-1,761	-7.4%
58.0%	23,177	21,510	-1,667	-7.2%
59.3%	23,161	20,774	-2,387	-10.3%
60.5%	22,379	20,649	-1,731	-7.7%
61.7%	22,349	19,857	-2,491	-11.1%
63.0%	21,670	19,737	-1,933	-8.9%
64.2%	21,586	19,118	-2,470	-11.4%
65.4%	20,834	18,986	-1,848	-8.9%
66.7%	20,676	17,060	-3,616	-17.5%
67.9%	18,099	14,959	-3,139	-17.3%
69.1%	16,471	14,876	-1,595	-9.7%
70.4%	15,852	14,660	-1,192	-7.5%
71.6%	15,546	14,617	-929	-6.0%
72.8%	15,350	14,485	-865	-5.6%
74.1%	15,230	14,473	-756	-5.0%
75.3%	15,175	14,172	-1,003	-6.6%
76.5%	15,159	13,924	-1,235	-8.1%
77.8%	14,093	13,543	-550	-3.9%
79.0%	13,956	12,761	-1,195	-8.6%
80.2%	13,343	12,502	-841	-6.3%
81.5%	13,109	12,491	-618	-4.7%
82.7%	13,054	12,068	-986	-7.5%
84.0%	12,746	11,718	-1,028	-8.1%
85.2%	12,381	11,261	-1,120	-9.0%
86.4%	12,005	11,218	-788	-6.6%
87.7%	11,658	10,951	-707	-6.1%
88.9%	11,202	10,950	-252	-2.2%
90.1%	11,153	10,890	-264	-2.4%
91.4%	11,018	10,637	-381	-3.4%
92.6%	10,717	10,158	-559	-5.2%
93.8%	10,681	10,120	-561	-5.3%
95.1%	10,190	10,072	-118	-1.2%
96.3%	8,262	8,124	-137	-1.7%
97.5%	7,571	7,658	87	1.2%
98.8%	7,309	7,502	193	2.6%
100.0%	6,895	6,900	5	0.1%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	191,686	198,068	6,382	3.3%
1.2%	182,491	176,956	-5,535	-3.0%
2.5%	127,923	126,406	-1,517	-1.2%
3.7%	108,427	103,168	-5,259	-4.9%
4.9%	101,057	95,256	-5,801	-5.7%
6.2%	95,238	85,440	-9,798	-10.3%
7.4%	91,044	79,903	-11,142	-12.2%
8.6%	76,218	76,353	135	0.2%
9.9%	70,924	70,849	-76	-0.1%
11.1%	67,588	67,497	-91	-0.1%
12.3%	63,183	63,379	196	0.3%
13.6%	62,203	62,258	55	0.1%
14.8%	61,593	61,578	-15	0.0%
16.0%	57,907	57,867	-40	0.0%
17.3%	57,684	55,415	-2,269	-3.9%
18.5%	53,781	52,382	-1,398	-2.6%
19.8%	52,497	51,883	-614	-1.2%
21.0%	49,243	48,212	-1,031	-2.1%
22.2%	45,836	47,735	1,900	4.1%
23.5%	44,689	44,595	-94	-0.2%
24.7%	43,712	40,805	-2,907	-6.6%
25.9%	43,002	39,182	-3,819	-8.9%
27.2%	38,845	35,242	-3,604	-9.3%
28.4%	38,450	35,097	-3,353	-8.7%
29.6%	35,131	34,131	-1,000	-2.8%
30.9%	35,004	33,417	-1,587	-4.5%
32.1%	34,138	31,911	-2,227	-6.5%
33.3%	32,999	30,921	-2,078	-6.3%
34.6%	32,963	29,982	-2,982	-9.0%
35.8%	31,935	29,903	-2,031	-6.4%
37.0%	31,178	28,440	-2,738	-8.8%
38.3%	30,016	28,204	-1,811	-6.0%
39.5%	29,490	26,691	-2,799	-9.5%
40.7%	28,542	25,900	-2,642	-9.3%
42.0%	28,320	22,919	-5,401	-19.1%
43.2%	27,119	22,497	-4,622	-17.0%
44.4%	25,013	22,428	-2,585	-10.3%
45.7%	24,454	21,308	-3,146	-12.9%
46.9%	23,307	21,255	-2,052	-8.8%
48.1%	22,846	21,150	-1,696	-7.4%
49.4%	22,586	20,071	-2,515	-11.1%
50.6%	21,319	19,116	-2,203	-10.3%
51.9%	21,022	19,005	-2,017	-9.6%
53.1%	20,685	18,465	-2,220	-10.7%
54.3%	20,425	18,247	-2,178	-10.7%
55.6%	19,856	18,247	-1,609	-8.1%
56.8%	19,078	18,135	-943	-4.9%
58.0%	18,264	18,924	660	3.6%
59.3%	18,154	16,635	-1,519	-8.4%
60.5%	17,695	16,498	-1,197	-6.8%
61.7%	16,952	14,793	-2,160	-12.7%
63.0%	16,528	14,747	-1,781	-10.8%
64.2%	16,256	14,256	-2,000	-13.7%
65.4%	16,416	14,248	-2,167	-13.2%
66.7%	16,197	14,009	-2,188	-13.5%
67.9%	16,070	13,682	-2,388	-14.9%
69.1%	15,882	13,490	-2,391	-15.1%
70.4%	15,767	13,129	-2,638	-16.7%
71.6%	15,396	12,833	-2,562	-16.6%
72.8%	14,664	12,660	-2,104	-14.3%
74.1%	14,615	11,828	-2,787	-19.1%
75.3%	14,159	11,311	-2,848	-20.1%
76.5%	13,011	11,170	-1,842	-14.2%
77.8%	12,880	10,776	-2,104	-16.3%
79.0%	12,456	10,479	-1,977	-15.9%
80.2%	11,724	10,364	-1,360	-11.6%
81.5%	11,146	10,309	-836	-7.5%
82.7%	10,479	10,112	-367	-3.5%
84.0%	9,872	9,982	110	1.1%
85.2%	9,524	9,958	434	4.6%
86.4%	9,401	9,428	27	0.3%
87.7%	8,940	9,423	482	5.4%
88.9%	8,527	8,771	244	2.9%
90.1%	8,516	8,658	141	1.7%
91.4%	8,459	8,451	-8	-0.1%
92.6%	8,329	8,326	-3	0.0%
93.8%	7,898	7,975	77	1.0%
95.1%	7,871	7,928	57	0.7%
96.3%	6,317	7,718	1,401	22.2%
97.5%	6,239	7,413	1,174	18.8%
98.8%	6,361	6,627	266	4.2%
100.0%	5,164	6,305	1,141	22.1%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	103,661	103,618	-44	0.0%
1.2%	80,015	78,189	-1,826	-2.3%
2.5%	72,407	72,677	270	0.4%
3.7%	60,414	60,296	-119	-0.2%
4.9%	59,393	54,027	-5,366	-9.0%
6.2%	56,565	53,915	-2,650	-4.7%
7.4%	53,879	53,724	-155	-0.3%
8.6%	53,344	53,318	-26	0.0%
9.9%	52,900	52,263	-637	-1.2%
11.1%	47,322	44,949	-2,374	-5.0%
12.3%	43,186	43,184	-2	0.0%
13.6%	40,088	39,948	-140	-0.3%
14.8%	39,948	38,060	-1,888	-4.7%
16.0%	39,712	37,080	-2,632	-6.6%
17.3%	37,029	37,035	6	0.0%
18.5%	36,810	35,044	-1,766	-4.8%
19.8%	35,048	34,788	-270	-0.2%
21.0%	34,328	34,382	53	0.2%
22.2%	32,467	31,726	-742	-2.3%
23.5%	31,545	29,943	-1,602	-5.1%
24.7%	31,019	28,622	-2,397	-7.7%
25.9%	21,545	21,416	-129	-0.6%
27.2%	21,458	20,958	-500	-2.3%
28.4%	21,256	19,209	-2,047	-9.6%
29.6%	21,087	19,045	-2,042	-9.7%
30.9%	20,164	18,673	-1,491	-7.4%
32.1%	19,953	18,622	-1,331	-6.7%
33.3%	19,111	17,945	-1,166	-6.1%
34.6%	17,954	17,944	-10	0.0%
35.8%	17,827	17,819	-8	0.0%
37.0%	17,819	17,329	-490	-2.8%
38.3%	17,402	17,178	-224	-1.3%
39.5%	16,804	16,297	-507	-3.0%
40.7%	16,694	16,090	-604	-3.6%
42.0%	16,185	15,815	-371	-2.3%
43.2%	15,622	15,228	-394	-2.5%
44.4%	14,437	14,380	-57	-0.4%
45.7%	14,367	14,270	-97	-0.7%
46.9%	14,269	14,063	-206	-1.4%
48.1%	13,405	13,399	-6	0.0%
49.4%	13,311	13,305	-7	0.0%
50.6%	13,260	13,249	-11	0.0%
51.9%	12,633	12,636	3	0.0%
53.1%	12,125	11,975	-149	-1.2%
54.3%	11,504	11,504	0	0.0%
55.6%	10,837	11,402	566	5.2%
56.8%	10,502	10,649	147	1.4%
58.0%	10,461	10,463	2	0.0%
59.3%	10,209	10,210	1	0.0%
60.5%	9,907	10,073	166	1.7%
61.7%	9,856	9,851	-5	-0.1%
63.0%	9,608	9,625	17	0.2%
64.2%	9,598	9,611	13	0.1%
65.4%	9,526	9,607	81	0.9%
66.7%	9,450	9,586	136	1.4%
67.9%	9,328	9,527	199	2.1%
69.1%	9,173	9,286	113	1.2%
70.4%	8,941	8,945	4	0.0%
71.6%	8,934	8,937	3	0.0%
72.8%	8,898	8,900	2	0.0%
74.1%	8,851	8,790	-62	-0.7%

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

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	53,206	53,143	-63	-0.1%	
1.2%	41,290	41,086	-204	-0.4%	
2.5%	30,383	30,877	494	1.7%	
3.7%	29,001	29,848	847	2.9%	
4.9%	27,505	29,588	2,082	7.6%	
6.2%	27,149	27,439	290	1.1%	
7.4%	27,032	27,020	-13	0.0%	
8.6%	22,522	23,360	838	3.7%	
9.9%	20,116	15,263	-4,853	-24.1%	
11.1%	14,505	14,966	461	3.2%	
12.3%	14,347	13,763	-583	-4.1%	
13.6%	13,965	13,632	-333	-2.4%	
14.8%	13,272	13,264	-8	-0.1%	
16.0%	12,334	12,508	174	1.4%	
17.3%	12,088	12,326	238	2.0%	
18.5%	12,031	12,022	-10	-0.1%	
19.8%	12,027	11,587	-440	-3.7%	
21.0%	11,244	11,421	177	1.6%	
22.2%	10,766	10,757	-9	-0.1%	
23.5%	9,376	9,548	172	1.8%	
24.7%	9,153	9,188	35	0.4%	
25.9%	8,829	9,014	185	2.1%	
27.2%	8,765	9,012	247	2.8%	
28.4%	8,752	8,795	43	0.5%	
29.6%	8,681	8,763	82	1.0%	
30.9%	8,486	8,755	269	3.2%	
32.1%	8,406	8,733	327	3.9%	
33.3%	8,311	8,323	13	0.2%	
34.6%	8,201	8,311	110	1.3%	
35.8%	8,028	8,303	275	3.4%	
37.0%	7,953	8,175	222	2.8%	
38.3%	7,850	8,045	195	2.5%	
39.5%	7,643	7,889	247	3.2%	
40.7%	7,597	7,820	222	2.9%	
42.0%	7,502	7,746	244	3.3%	
43.2%	7,404	7,604	200	2.7%	
44.4%	7,389	7,597	208	2.8%	
45.7%	7,388	7,504	116	1.6%	
46.9%	7,309	7,401	92	1.3%	
48.1%	7,304	7,291	-13	-0.2%	
49.4%	7,294	7,270	-24	-0.3%	
50.6%	7,293	7,263	-30	-0.4%	
51.9%	7,270	7,223	-48	-0.7%	
53.1%	7,243	7,174	-69	-1.0%	
54.3%	7,223	7,164	-59	-0.8%	
55.6%	7,174	7,146	-28	-0.4%	
56.8%	6,938	7,118	180	2.6%	
58.0%	6,899	7,072	173	2.5%	
59.3%	6,886	7,059	172	2.5%	
60.5%	6,874	7,005	131	1.9%	
61.7%	6,840	6,996	157	2.3%	
63.0%	6,832	6,940	108	1.6%	
64.2%	6,830	6,833	3	0.0%	
65.4%	6,757	6,832	75	1.1%	
66.7%	6,722	6,832	110	1.6%	
67.9%	6,703	6,830	128	1.9%	
69.1%	6,690	6,759	69	1.0%	
70.4%	6,659	6,714	55	0.8%	
71.6%	6,592	6,662	70	1.1%	
72.8%	6,383	6,659	276	4.3%	
74.1%	6,345	6,486	141	2.2%	
75.3%	6,185	6,415	230	3.7%	
76.5%	6,153	6,392	240	3.9%	
77.8%	6,111	6,327	166	2.7%	
79.0%	5,963	6,184	221	3.7%	
80.2%	5,665	6,137	472	8.3%	
81.5%	5,645	5,937	293	5.2%	
82.7%	5,492	5,893	401	7.3%	
84.0%	5,491	5,637	146	2.7%	
85.2%	5,460	5,483	24	0.4%	
86.4%	5,467	5,332	-135	-2.5%	
87.7%	5,294	5,294	0	0.0%	
88.9%	5,273	5,273	0	0.0%	
90.1%	4,977	4,977	0	0.0%	
91.4%	4,958	4,958	0	0.0%	
92.6%	4,316	4,329	13	0.3%	
93.8%	3,556	4,046	489	13.8%	
95.1%	3,451	3,751	300	8.7%	
96.3%	3,381	3,620	240	7.1%	
97.5%	3,359	3,551	192	5.7%	
98.8%	3,236	3,451	215	6.7%	
100.0%	3,152	3,354	202	6.4%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	14,421	14,544	123	0.9%	
1.2%	14,315	14,445	130	0.9%	
2.5%	14,306	14,323	18	0.1%	
3.7%	14,294	14,306	12	0.1%	
4.9%	14,288	14,305	17	0.1%	
6.2%	14,248	14,294	46	0.3%	
7.4%	14,206	14,283	77	0.5%	
8.6%	13,985	14,266	281	2.0%	
9.9%	13,552	14,159	607	4.5%	
11.1%	13,927	14,121	194	1.4%	
12.3%	13,850	14,024	173	1.3%	
13.6%	13,828	13,939	111	0.8%	
14.8%	13,711	13,931	220	1.6%	
16.0%	13,514	13,855	341	2.5%	
17.3%	13,467	13,712	245	1.8%	
18.5%	13,410	13,501	90	0.7%	
19.8%	13,397	13,353	-44	-0.3%	
21.0%	13,212	13,289	77	0.6%	
22.2%	12,987	13,281	294	2.3%	
23.5%	12,964	12,987	23	0.2%	
24.7%	12,908	12,964	56	0.4%	
25.9%	12,906	12,812	-94	-0.7%	
27.2%	12,834	12,785	-50	-0.4%	
28.4%	12,813	12,690	-123	-1.0%	
29.6%	12,359	12,366	7	0.0%	
30.9%	12,029	12,219	190	1.6%	
32.1%	11,941	11,942	1	0.0%	
33.3%	11,877	11,894	17	0.1%	
34.6%	11,849	11,836	-14	-0.1%	
35.8%	11,793	11,812	19	0.2%	
37.0%	11,676	11,793	117	1.0%	
38.3%	11,644	11,752	108	0.9%	
39.5%	11,520	11,604	83	0.7%	
40.7%	11,483	11,544	61	0.5%	
42.0%	11,426	11,460	34	0.3%	
43.2%	11,425	11,385	-40	-0.3%	
44.4%	11,367	11,385	18	0.2%	
45.7%	11,333	11,348	15	0.1%	
46.9%	11,316	11,327	11	0.1%	
48.1%	11,316	11,327	12	0.1%	
49.4%	11,292	11,315	22	0.2%	
50.6%	11,243	11,265	22	0.2%	
51.9%	11,239	11,284	44	0.4%	
53.1%	11,222	11,236	14	0.1%	
54.3%	11,077	11,204	126	1.1%	
55.6%	11,043	11,118	75	0.7%	
56.8%	11,033	11,083	50	0.5%	
58.0%	11,029	11,078	49	0.4%	
59.3%	10,879	11,001	122	1.1%	
60.5%	10,756	10,929	172	1.6%	
61.7%	10,548	10,842	294	2.8%	
63.0%	10,495	10,821	326	3.1%	
64.2%	10,363	10,759	396	3.8%	
65.4%	10,103	10,718	615	6.1%	
66.7%	9,902	10,364	462	4.7%	
67.9%	9,856	9,993	136	1.4%	
69.1%	9,726	9,975	248	2.6%	
70.4%	9,605	9,837	232	2.4%	
71.6%	9,545	9,545	0	0.0%	
72.8%	9,545	9,545	0	0.0%	
74.1%	9,505	9,469	-36	-0.4%	
75.3%	9,469	9,390	-79	-0.8%	
76.5%	9,190	9,353	163	1.8%	
77.8%	9,052	9,052	0	0.0%	
79.0%	8,714	8,958	244	2.8%	
80.2%	8,063	8,651	588	7.3%	
81.5%	7,944	8,615	671	8.4%	
82.7%	7,731	8,181	450	5.8%	
84.0%	7,583	7,955	372	4.9%	
85.2%	7,512	7,945	433	5.8%	
86.4%	7,126	7,712	586	8.2%	
87.7%	6,944	7,550	606	8.7%	
88.9%	6,834	7,533	699	10.2%	
90.1%	6,707	6,753	46	0.7%	
91.4%	6,366	6,550	184	2.9%	
92.6%	5,766	5,313	-453	-7.9%	
93.8%	4,325	4,937	612	14.2%	
95.1%	3,800	4,786	986	26.0%	
96.3%	3,796	4,497	702	18.5%	
97.5%	3,655	4,479	824	22.6%	
98.8%	3,247	3,847	600	18.5%	
100.0%	3,618	3,632	14	0.4%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,745	12,411	666	5.7%	
1.2%	11,745	12,317	572	4.9%	
2.5%	10,451	10,522	71	0.7%	
3.7%	10,166	10,416	250	2.5%	
4.9%	10,143	10,296	153	1.5%	
6.2%	10,056	10,284	228	2.3%	
7.4%	10,019	10,202	183	1.8%	
8.6%	9,971	10,192	221	2.2%	
9.9%	9,856	10,168	312	3.2%	
11.1%	9,893	10,164	271	2.7%	
12.3%	9,884	10,140	256	2.6%	
13.6%	9,850	10,086	236	2.4%	
14.8%	9,811	10,074	263	2.7%	
16.0%	9,750	10,062	312	3.2%	
17.3%	9,730	10,056	326	3.3%	
18.5%	9,619	10,018	399	4.1%	
19.8%	9,610	10,009	399	4.2%	
21.0%	9,609	9,973	364	3.8%	
22.2%	9,592	9,958	366	3.8%	
23.5%	9,525	9,822	397	4.2%	
24.7%	9,513	9,850	337	3.5%	
25.9%	9,413	9,742	329	3.5%	
27.2%	9,380	9,730	351	3.7%	
28.4%	9,377	9,690	313	3.3%	
29.6%	9,366	9,631	264	2.8%	
30.9%	9,337	9,499	162	1.7%	
32.1%	9,281	9,413	131	1.4%	
33.3%	9,278	9,382	104	1.1%	
34.6%	9,267	9,377	110	1.2%	
35.8%	9,260	9,352	92	1.0%	
37.0%	9,240	9,345	106	1.1%	
38.3%	9,158	9,337	179	2.0%	
39.5%	9,024	9,337	313	3.5%	
40.7%	8,980	9,260	280	3.1%	
42.0%	8,962	9,195	232	2.6%	
43.2%	8,946	9,129	183	2.1%	
44.4%	8,798	9,095	307	3.5%	
45.7%	8,716	9,087	371	4.3%	
46.9%	8,713	9,024	311	3.6%	
48.1%	8,697	9,013	317	3.6%	
49.4%	8,629	8,993	364	4.2%	
50.6%	8,281	8,506	224	2.7%	
51.9%	8,576	8,963	387	4.5%	
53.1%	8,571	8,837	266	3.1%	
54.3%	8,559	8,692	133	1.6%	
55.6%	8,496	8,629	133	1.6%	
56.8%	8,315	8,496	181	2.2%	
58.0%	8,281	8,486	204	2.5%	
59.3%	8,245	8,479	233	2.8%	
60.5%	8,070	8,475	405	5.0%	
61.7%	7,780	8,270	491	6.3%	
63.0%	7,717	8,157	440	5.7%	
64.2%	7,342	8,114	771	10.5%	
65.4%	7,174	8,081	908	12.7%	
66.7%	6,644				



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

Analysis Period	Monthly Outflow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	5,942	11,480	20,871	41,889	52,430	42,330	30,953	21,902	12,373	7,887	4,343	9,712
DCR 2015 With Project	6,446	11,581	20,055	40,312	51,190	40,594	30,492	21,779	12,611	7,915	4,489	10,064
Difference	503	101	-816	-1,577	-1,240	-1,736	-461	-123	237	29	146	351
Percent Difference <sup>2</sup>	8.5%	0.9%	-3.9%	-3.8%	-2.4%	-4.1%	-1.5%	-0.6%	1.9%	0.4%	3.4%	3.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,383	18,345	23,677	83,496	95,664	78,692	55,826	39,956	22,378	11,198	5,102	19,532
DCR 2015 With Project	8,514	18,383	22,746	82,079	95,566	77,027	55,360	39,705	22,821	11,213	5,194	19,851
Difference	131	37	-930	-1,417	-98	-1,665	-466	-251	443	15	92	320
Percent Difference	1.6%	0.2%	-3.9%	-1.7%	-0.1%	-2.1%	-0.8%	-0.6%	2.0%	0.1%	1.8%	1.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	5,906	13,276	18,127	46,359	60,552	50,948	32,946	23,526	11,314	9,573	4,000	11,784
DCR 2015 With Project	6,204	13,012	16,967	43,721	58,876	48,360	31,980	23,507	11,250	9,614	4,293	12,102
Difference	298	-263	-1,160	-2,638	-1,676	-2,588	-966	-19	-64	42	293	318
Percent Difference	5.0%	-2.0%	-6.4%	-5.7%	-2.8%	-5.1%	-2.9%	-0.1%	-0.6%	0.4%	7.3%	2.7%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	5,697	9,387	26,091	21,862	35,993	22,818	15,836	7,908	7,205	4,017	3,885	
DCR 2015 With Project	6,654	10,464	25,012	19,870	34,351	20,468	22,204	15,429	8,229	7,198	4,265	4,354
Difference	957	1,076	-1,079	-1,992	-1,642	-2,349	-613	-408	321	-7	249	468
Percent Difference	16.8%	11.5%	-4.1%	-9.1%	-4.6%	-10.3%	-2.7%	-2.6%	4.1%	-0.1%	6.2%	12.1%
<b>Dry (22%)</b>												
DCR 2015 Without Project	4,182	6,919	23,293	14,390	22,702	19,624	14,602	10,063	6,772	5,071	4,002	3,155
DCR 2015 With Project	4,717	6,798	22,567	13,365	20,873	17,811	14,270	10,226	6,756	5,098	4,276	3,652
Difference	535	-121	-726	-1,024	-1,829	-1,813	-332	163	-17	27	274	497
Percent Difference	12.8%	-1.7%	-3.1%	-7.1%	-8.1%	-9.2%	-2.3%	1.6%	-0.2%	0.5%	6.8%	15.7%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	3,617	4,092	7,813	11,886	14,407	11,750	9,089	5,997	5,368	4,046	3,937	3,000
DCR 2015 With Project	4,555	3,893	7,760	10,678	12,480	11,543	9,128	5,950	5,744	4,135	3,740	3,099
Difference	938	-199	-54	-1,208	-1,927	-207	39	-46	376	88	-197	99
Percent Difference	25.9%	-4.9%	-0.7%	-10.2%	-13.4%	-1.8%	0.4%	-0.8%	7.0%	2.2%	-5.0%	3.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

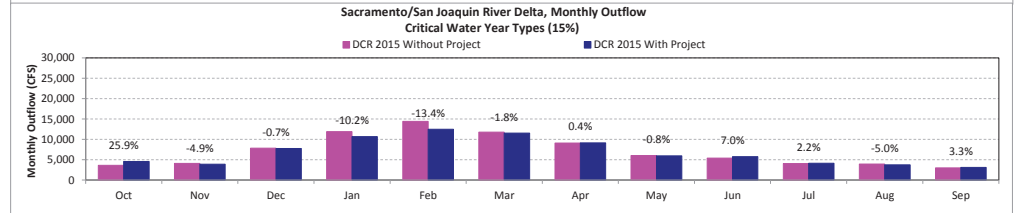
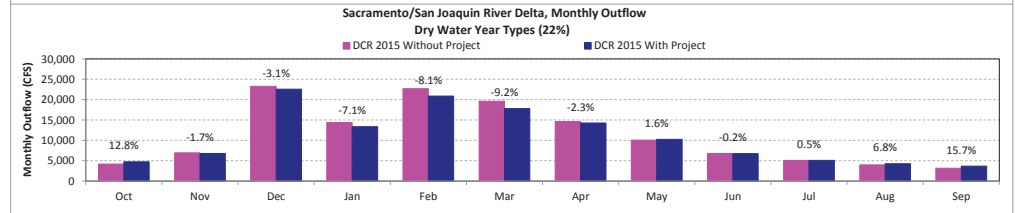
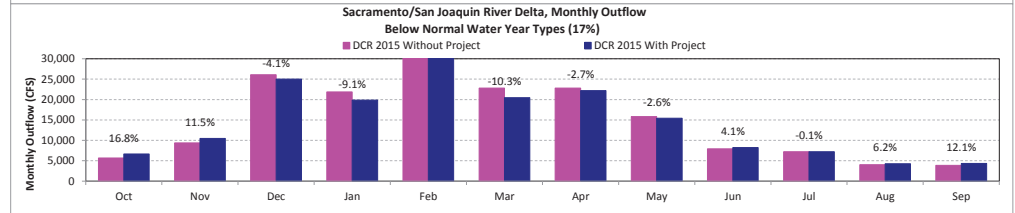
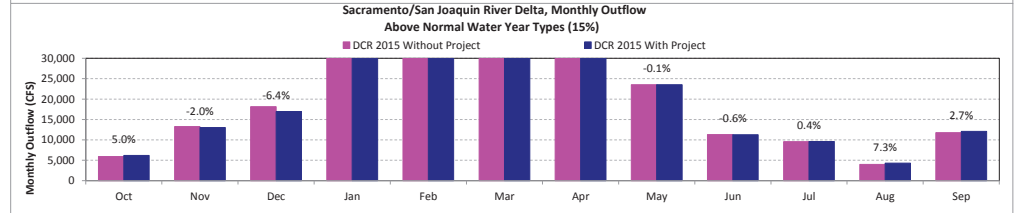
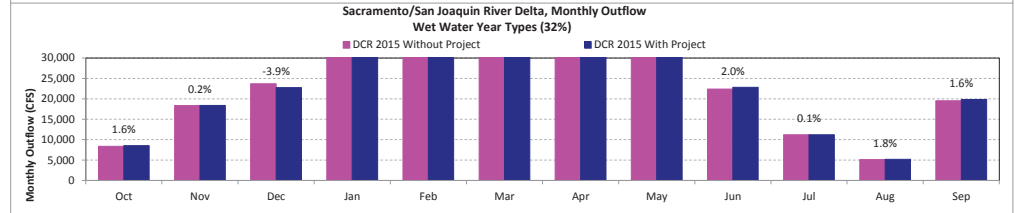
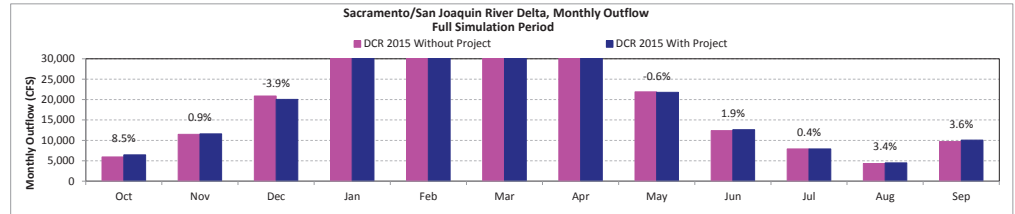


Figure SW-33-b  
 Sacramento/San Joaquin River Delta, Monthly Outflow  
 Probability of Exceedance

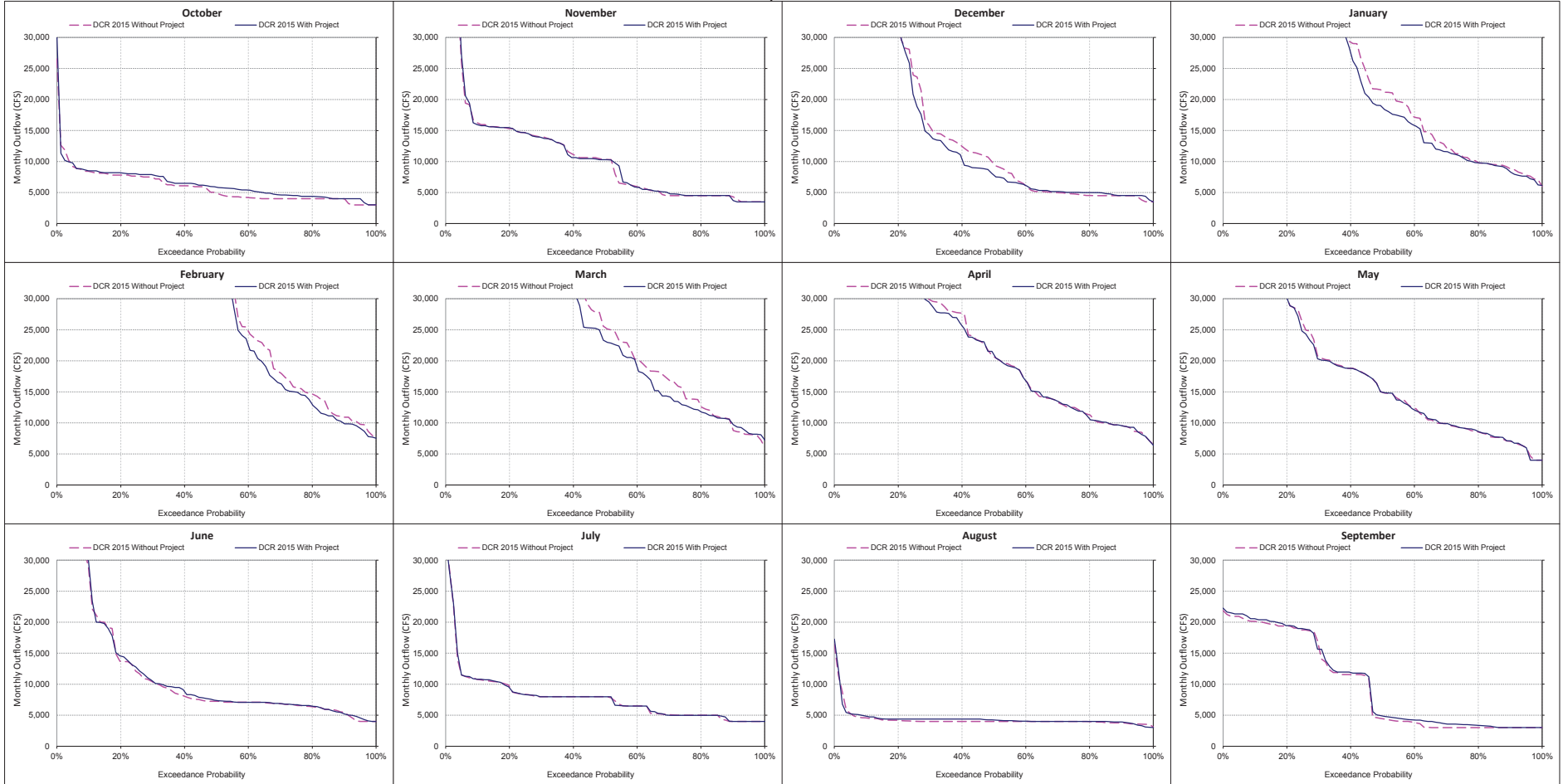


Table SW-33-b  
Sacramento/San Joaquin River Delta, Monthly Outflow  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	26,544	30,268	3,724	14.0%
1.2%	12,627	11,328	-1,300	-10.3%
2.5%	11,875	10,156	-1,719	-14.5%
3.7%	10,181	9,969	-212	-2.1%
4.9%	9,219	9,772	553	6.0%
6.2%	8,906	8,828	-78	-0.9%
7.4%	8,750	8,828	78	0.9%
8.6%	8,438	8,672	234	2.8%
9.9%	8,438	8,515	78	0.9%
11.1%	8,281	8,515	234	2.8%
12.3%	8,125	8,515	390	4.8%
13.6%	8,125	8,281	156	1.9%
14.8%	8,125	8,203	78	1.0%
16.0%	7,969	8,203	234	2.9%
17.3%	7,813	8,203	390	5.0%
18.5%	7,813	8,203	390	5.0%
19.8%	7,813	8,203	390	5.0%
21.0%	7,813	8,125	313	4.0%
22.2%	7,813	8,047	234	3.0%
23.5%	7,656	8,047	390	5.1%
24.7%	7,656	8,047	390	5.1%
25.9%	7,656	7,890	234	3.1%
27.2%	7,500	7,890	390	5.2%
28.4%	7,500	7,890	390	5.2%
29.6%	7,500	7,890	390	5.2%
30.9%	7,188	7,711	524	7.3%
32.1%	7,188	7,578	390	5.4%
33.3%	6,663	7,578	1,015	15.5%
34.6%	6,250	6,787	537	8.6%
35.8%	6,250	6,640	390	6.2%
37.0%	6,094	6,484	390	6.4%
38.3%	6,094	6,484	390	6.4%
39.5%	6,094	6,484	390	6.4%
40.7%	6,094	6,484	390	6.4%
42.0%	6,094	6,484	390	6.4%
43.2%	5,938	6,484	546	9.2%
44.4%	5,938	6,190	253	4.3%
45.7%	5,938	6,172	234	3.9%
46.9%	5,625	6,024	400	7.1%
48.1%	5,047	5,981	933	18.5%
49.4%	5,040	5,938	897	17.8%
50.6%	4,772	5,788	1,015	21.3%
51.9%	4,555	5,772	1,217	26.7%
53.1%	4,415	5,724	1,309	29.6%
54.3%	4,355	5,691	1,335	30.7%
55.6%	4,321	5,627	1,306	30.2%
56.8%	4,318	5,500	1,182	27.4%
58.0%	4,221	5,414	1,193	28.3%
59.3%	4,216	5,403	1,187	28.2%
60.5%	4,147	5,403	1,243	30.0%
61.7%	4,117	5,207	1,089	26.5%
63.0%	4,082	5,118	1,037	25.4%
64.2%	4,000	5,045	1,045	26.1%
65.4%	4,000	4,922	922	23.1%
66.7%	4,000	4,894	894	22.4%
67.9%	4,000	4,719	719	18.0%
69.1%	4,000	4,656	656	16.4%
70.4%	4,000	4,587	587	14.7%
71.6%	4,000	4,583	583	14.6%
72.8%	4,000	4,542	542	13.6%
74.1%	4,000	4,532	532	13.3%
75.3%	4,000	4,501	501	12.5%
76.5%	4,000	4,397	397	9.9%
77.8%	4,000	4,390	390	9.8%
79.0%	4,000	4,390	390	9.8%
80.2%	4,000	4,390	390	9.8%
81.5%	4,000	4,328	328	8.2%
82.7%	4,000	4,293	293	7.3%
84.0%	4,000	4,265	265	6.6%
85.2%	4,000	4,139	139	3.5%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	3,984	4,000	16	0.4%
91.4%	3,225	4,000	775	24.0%
92.6%	3,000	4,000	1,000	33.3%
93.8%	3,000	4,000	1,000	33.3%
95.1%	3,000	4,000	1,000	33.3%
96.3%	3,000	3,363	363	12.1%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	77,876	79,742	1,866	2.4%
1.2%	49,026	46,492	-2,534	-5.2%
2.5%	43,662	45,898	2,236	5.1%
3.7%	37,338	39,927	2,589	6.9%
4.9%	25,995	27,190	1,195	4.6%
6.2%	19,405	20,586	1,182	6.1%
7.4%	19,178	19,411	234	1.2%
8.6%	16,741	16,250	-491	-2.9%
9.9%	16,250	15,938	-313	-1.9%
11.1%	15,938	15,781	-156	-1.0%
12.3%	15,938	15,781	-156	-1.0%
13.6%	15,625	15,625	0	0.0%
14.8%	15,625	15,625	0	0.0%
16.0%	15,602	15,532	-70	-0.4%
17.3%	15,469	15,469	0	0.0%
18.5%	15,469	15,469	0	0.0%
19.8%	15,313	15,462	150	1.0%
21.0%	15,313	15,313	0	0.0%
22.2%	14,863	14,863	0	0.0%
23.5%	14,696	14,696	0	0.0%
24.7%	14,676	14,676	0	0.0%
25.9%	14,502	14,502	0	0.0%
27.2%	14,219	14,087	-133	-0.9%
28.4%	14,087	13,961	-126	-0.9%
29.6%	13,961	13,930	-30	-0.2%
30.9%	13,930	13,726	-204	-1.5%
32.1%	13,689	13,689	0	0.0%
33.3%	13,499	13,499	0	0.0%
34.6%	13,114	13,114	0	0.0%
35.8%	12,964	12,964	0	0.0%
37.0%	12,664	12,664	0	0.0%
38.3%	11,623	11,094	-529	-4.6%
39.5%	11,250	10,625	-625	-5.6%
40.7%	10,928	10,625	-303	-2.8%
42.0%	10,625	10,625	-156	-1.5%
43.2%	10,625	10,469	-156	-1.5%
44.4%	10,625	10,469	-156	-1.5%
45.7%	10,625	10,469	-156	-1.5%
46.9%	10,625	10,429	-196	-1.8%
48.1%	10,469	10,313	-156	-1.5%
49.4%	10,313	10,313	0	0.0%
50.6%	10,313	10,313	0	0.0%
51.9%	10,313	10,238	-75	-0.7%
53.1%	8,003	9,777	1,774	22.2%
54.3%	6,525	9,307	2,782	42.6%
55.6%	6,418	6,694	276	4.3%
56.8%	6,283	6,587	304	4.8%
58.0%	6,198	6,168	-30	-0.5%
59.3%	6,034	5,899	-135	-2.2%
60.5%	5,862	5,853	-9	-0.2%
61.7%	5,783	5,519	-264	-4.6%
63.0%	5,549	5,498	-52	-0.9%
64.2%	5,400	5,335	-65	-1.2%
65.4%	5,295	5,259	-37	-0.7%
66.7%	5,240	5,211	-29	-0.5%
67.9%	5,067	5,115	48	0.9%
69.1%	4,500	5,058	558	12.4%
70.4%	4,500	4,781	281	6.2%
71.6%	4,500	4,773	273	6.1%
72.8%	4,500	4,746	246	5.5%
74.1%	4,500	4,616	116	2.6%
75.3%	4,500	4,504	4	0.1%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,500	0	0.0%
88.9%	4,500	4,500	0	0.0%
90.1%	3,702	4,268	566	15.3%
91.4%	3,915	3,500	-415	-10.6%
92.6%	3,500	3,500	0	0.0%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	155,700	152,477	-3,223	-2.1%
1.2%	92,205	91,452	-753	-0.8%
2.5%	90,294	86,066	-4,228	-4.7%
3.7%	81,282	80,792	-490	-0.6%
4.9%	116,973	80,443	-1,130	-1.4%
6.2%	79,022	79,591	570	0.7%
7.4%	69,175	68,941	-234	-0.3%
8.6%	68,760	67,316	-1,444	-2.1%
9.9%	65,752	59,133	-6,619	-10.1%
11.1%	57,445	56,471	-973	-1.7%
12.3%	50,306	46,598	-3,708	-7.4%
13.6%	40,520	39,118	-1,402	-3.5%
14.8%	39,616	38,677	-939	-2.4%
16.0%	35,812	37,536	1,724	4.8%
17.3%	34,604	34,954	350	1.0%
18.5%	34,317	34,673	356	1.0%
19.8%	33,360	33,002	-358	-1.1%
21.0%	29,589	29,667	77	0.3%
22.2%	28,282	27,618	-664	-2.3%
23.5%	28,097	25,863	-2,234	-7.9%
24.7%	23,947	20,885	-3,062	-12.8%
25.9%	23,624	18,878	-4,747	-20.1%
27.2%	21,507	17,628	-3,879	-18.0%
28.4%	16,622	14,911	-1,712	-10.3%
29.6%	15,672	14,398	-1,274	-8.1%
30.9%	14,867	13,699	-1,168	-7.9%
32.1%	14,538	13,464	-1,074	-7.4%
33.3%	14,448	13,383	-1,065	-7.4%
34.6%	14,019	12,628	-1,391	-9.9%
35.8%	13,602	11,983	-1,619	-12.6%
37.0%	13,462	11,635	-1,827	-13.6%
38.3%	13,103	11,488	-1,615	-12.3%
39.5%	12,672	11,120	-1,552	-12.2%
40.7%	12,140	9,408	-2,732	-22.5%
42.0%	11,667	8,204	-3,463	-29.7%
43.2%	11,490	8,999	-2,491	-21.7%
44.4%	11,383	8,967	-2,416	-21.2%
45.7%	11,163	8,935	-2,228	-20.0%
46.9%	10,952	8,827	-2,126	-19.4%
48.1%	10,701	8,696	-2,005	-18.7%
49.4%	9,979	9,079	-900	-9.0%
50.6%	9,289	7,529	-1,760	-18.9%
51.9%	9,045	7,451	-1,594	-17.6%
53.1%	8,768	7,315	-1,454	-16.6%
54.3%	8,211	6,695	-1,516	-18.5%
55.6%	8,069	6,656	-1,413	-17.5%
56.8%	6,998	6,610	-388	-5.5%
58.0%	6,760	6,452	-308	-4.6%
59.3%	6,430	6,320	-110	-1.7%
60.5%	5,798	6,016	218	3.8%
61.7%	5,346	5,608	262	4.9%
63.0%	5,179	5,506	328	6.3%
64.2%	4,164	5,346	1,182	28.4%
65.4%	5,164	5,340	176	3.4%
66.7%	5,102	5,317	215	4.2%
67.9%	5,052	5,179	127	2.5%
69.1%	5,020	5,164	144	2.9%
70.4%	4,973	5,164	191	3.8%
71.6%	4,946	5,102	155	3.1%
72.8%	4,852	5,052	200	4.1%
74.1%	4,810	5,025	215	4.5%
75.3%	4,778	5,020	243	5.1%
76.5%	4,697	5,014	318	6.8%
77.8%	4,609	5,004	395	8.6%
79.0%	4,526	5,000	474	10.5%
80.2%	4,526	4,999	473	10.4%
81.5%	4,501	4,977	476	10.6%

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	219,222	220,972	1,749	0.8%
1.2%	213,228	218,088	4,861	2.3%
2.5%	183,454	182,663	-790	-0.4%
3.7%	144,364	174,622	30,258	21.0%
4.9%	139,383	138,799	-584	-0.4%
6.2%	138,927	133,839	-5,087	-3.7%
7.4%	134,210	132,674	-1,536	-1.1%
8.6%	131,943	131,665	-278	-0.2%
9.9%	123,307	124,331	1,024	0.8%
11.1%	122,693	122,780	87	0.1%
12.3%	113,494	111,214	-2,280	-2.0%
13.6%	102,278	101,764	-513	-0.5%
14.8%	102,162	99,913	-3,249	-3.2%
16.0%	95,586	95,771	185	0.2%
17.3%	85,148	81,585	-3,563	-4.2%
18.5%	83,752	81,520	-2,232	-2.7%
19.8%	78,527	79,557	1,030	1.3%
21.0%	78,473	78,418	-55	-0.1%
22.2%	75,664	75,607	-57	-0.1%
23.5%	72,827	70,053	-2,773	-3.8%
24.7%	72,452	68,796	-3,656	-5.1%
25.9%	70,845	68,556	-2,289	-3.2%
27.2%	69,571	66,330	-3,240	-4.8%
28.4%	66,907	65,915	-992	-1.5%
29.6%	57,804	57,541	-263	-0.5%
30.9%	57,567	55,757	-1,810	-3.2%
32.1%	56,525	54,311	-2,214	-3.9%
33.3%	55,336	52,949	-2,387	-4.3%
34.6%	54,301	52,529	-1,772	-3.3%
35.8%	54,057	52,069	-1,988	-3.7%
37.0%	53,883	51,355	-2,528	-4.7%
38.3%	52,741	51,141	-1,600	-3.0%
39.5%	52,054	49,671	-2,383	-4.6%
40.7%	47,372	45,310	-2,062	-4.4%
42.0%	47,233	43,632	-3,601	-7.6%
43.2%	46,380	41,884	-4,496	-9.7%
44.4%	44,827	41,621	-3,206	-7.2%
45.7%	41,769	40,351	-1,419	-3.4%
46.9%	40,380	39,918	-463	-1.1%
48.1%	39,617	35,801	-3,816	-9.6%
49.4%	36,521	34,919	-1,602	-4.4%
50.6%	36,150	33,084	-3,066	-8.5%
51.9%	36,137	31,910	-4,227	-11.7%
53.1%	35,232	31,829	-3,403	-9.7%
54.3%	34,259	31,782	-2,477	-7.2%
55.6%	31,043	28,359	-2,684	-8.6%
56.8%	28,865	24,919	-3,946	-13.7%
58.0%	25,511	24,097	-1,414	-5.5%
59.3%	25,467	23,560	-1,907	-7.5%
60.5%	24,300	21,692	-2,608	-10.7%
61.7%	23,744	21,566	-2,178	-9.2%
63.0%	23,217	20,371	-2,846	-12.3%
64.2%	22,948	19,912	-3,036	-13.2%
65.4%	22,021	19,074	-2,948	-13.4%
66.7%	21,723	17,665	-4,058	-18.7%
67.9%	18,750	17,128	-1,622	-8.7%
69.1%	18,388	16,518	-1,870	-10.2%
70.4%	17,936	16,256	-1,680	-9.4%
71.6%	17,290	15,354	-1,936	-11.2%
72.8%	16,812	15,114	-1,698	-10.1%
74.1%	15,812	15,036	-776	-4.9%
75.3%	15,652	14,931	-721	-4.6%
76.5%	15,517	14,506	-1,011	-6.5%
77.8%	14,956	14,427	-529	-3.5%
79.0%	14,752	13,776	-975	-6.6%
80.2%	14,606	12,777	-1,829	-12.5%
81.5%	14,296	12,226	-2,070	-14.5%
82.7%	13,814	11,575	-2,239	-16.2%
84.0%	13,526	11,400	-2,126	-15.7%
85.2%	12,036	11,145	-891	-7.4%
86.4%	11,489	11,114	-375	-3.3%
87.7%	11,145	10,491	-654	-5.9%
88.9%	11,067	10,283	-784	-7.1%
90.1%	10,917	9,841	-1,076	-9.8%
91.4%	10,910	9,814	-1,095	-9.9%
92.6%	10,262	9,805	-456	-4.4%
93.8%	10,208	9,550	-658	-6.4%
95.1%	9,766	9,115	-651	-6.7%
96.3%	9,713	8,636	-1,077	-11.1%
97.5%	8,636	7,774	-862	-10.0%
98.8%	7,959	7,714	-245	-3.6%
100.0%	7,521	7,528	6	0.1%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	262,148	268,450	6,302	2.4%
1.2%	210,242	204,686	-5,556	-2.6%
2.5%	166,583	165,755	-827	-0.5%
3.7%	141,548	138,673	-2,875	-2.0%
4.9%	117,388	108,601	-8,787	-7.5%
6.2%	108,582	99,036	-9,546	-8.8%
7.4%	104,015	95,943	-8,072	-8.6%
8.6%	89,051	90,159	1,108	1.3%
9.9%	86,769	86,658	-111	-0.1%
11.1%	83,273	83,138	-136	-0.2%
12.3%	82,641	82,562	-79	-0.1%
13.6%	82,331	82,494	162	0.2%
14.8%	75,048	75,258	211	0.3%
16.0%	68,979	68,938	-41	-0.1%
17.3%	68,024	63,888	-4,136	-6.1%
18.5%	67,183	62,642	-4,541	-6.8%
19.8%	64,563	62,573	-1,990	-3.1%
21.0%	64,251	61,866	-2,386	-3.7%
22.2%	52,180	51,246	-934	-1.8%
23.5%	61,057	60,746	-310	-0.5%
24.7%	55,037	56,948	1,910	3.5%
25.9%	54,393	56,855	2,462	3.8%
27.2%	49,118	44,515	-4,603	-9.4%
28.4%	47,149	42,947	-4,202	-8.9%
29.6%	48,148	40,495	-7,653	-12.2%
30.9%	39,549	39,961	412	1.0%
32.1%	38,582	38,519	-63	-0.2%
33.3%	38,527	38,091	-436	-1.1%
34.6%	38,120	36,148	-1,971	-5.2%
35.8%	37,437	34,918	-2,519	-6.7%
37.0%	36,366	34,009	-2,357	-6.5%
38.3%	36,225	31,422	-4,803	-13.3%
39.5%	34,771	31,105	-3,666	-10.5%
40.7%	34,668	30,666	-4,002	-11.8%
42.0%	31,221	28,883	-2,338	-7.5%
43.2%	30,738	25,413	-5,325	-17.3%
44.4%	29,162	25,331	-3,832	-13.1%
45.7%	28,238	25,271	-2,967	-10.5%
46.9%	27,829	25,260	-2,569	-9.2%
48.1%	27,824	24,975	-2,849	-10.2%
49.4%	25,591	23,316	-2,275	-8.9%
50.6%	25,149	22,995	-2,154	-8.6%
51.9%	24,987	22,858	-2,129	-8.5%
53.1%	24,632	22,596	-2,036	-8.3%
54.3%	23,299	22,394	-905	-3.9%
55.6%	23,048	20,885	-2,163	-9.2%
56.8%	22,931	20,556	-2,375	-10.4%
58.0%	21,740	20,522	-1,218	-5.6%
59.3%	20,314	20,247	-67	-0.3%
60.5%	20,173	18,294	-1,879	-9.3%
61.7%	19,558	18,045	-1,513	-7.7%
63.0%	18,935	17,562	-1,372	-7.2%
64.2%	18,353	16,909	-1,444	-7.9%
65.4%	18,327	15,211	-3,116	-17.0%
66.7%	18,267	15,182	-3,085	-16.9%
67.9%	17,826	14,353	-3,473	-19.5%
69.1%	17,290	14,338	-2,952	-17.1%
70.4%	16,747	14,122	-2,625	-15.4%
71.6%	16,568	13,502	-3,065	-18.5%
72.8%	15,907	13,449	-2,459	-15.5%
74.1%	15,683	12,925	-2,758	-17.6%
75.3%	15,866	12,808	-1,060	-7.6%
76.5%	13,847	12,516	-1,331	-9.6%
77.8%	13,826	12,208	-1,618	-11.7%
79.0%	13,755	12,100	-1,656	-12.0%
80.2%	12,516	11,738	-778	-6.2%
81.5%	12,208	11,568	-640	-5.2%
82.7%	12,038	11,219	-819	-6.8%
84.0%	11,154	11,136	-17	-0.2%
85.2%	11,034	10,805	-229	-2.1%
86.4%	10,779	10,740	-39	-0.4%
87.7%	10,773	10,692	-81	-0.8%
88.9%	10,625	10,690	65	0.3%
90.1%	8,763	9,259	496	5.7%
91.4%	8,713	9,215	502	5.8%
92.6%	8,524	9,239	714	8.4%
93.8%	8,160	8,773	613	7.5%
95.1%	8,131	8,294	163	2.0%
96.3%	8,102	8,160	57	0.7%
97.5%	8,058	8,158	100	1.2%
98.8%	7,239	8,073	834	11.5%
100.0%	6,088	7,239	1,150	18.9%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	140,892	141,434	543	0.4%
1.2%	105,844	105,807	-37	-0.0%
2.5%	98,027	96,156	-1,871	-1.9%
3.7%	91,045	85,013	-6,032	-6.6%
4.9%	79,248	79,109	-140	-0.2%
6.2%	78,906	78,828	-78	-0.1%
7.4%	77,153	76,965	-187	-0.2%
8.6%	73,855	70,981	-2,874	-3.9%
9.9%	51,872	50,945	-927	-1.8%
11.1%	69,508	66,739	-2,769	-4.0%
12.3%	65,597	65,548	-49	-0.1%
13.6%	60,213	60,197	-16	0.0%
14.8%	60,170	60,192	22	0.0%
16.0%	56,652	56,652	0	0.0%
17.3%	55,630	52,240	-3,390	-6.1%
18.5%	53,992	52,114	-1,878	-3.5%
19.8%	52,559	50,450	-2,109	-4.0%
21.0%	48,271	47,329	-942	-2.0%
22.2%	47,288	47,171	-117	-0.2%
23.5%	42,736	41,831	-906	-2.1%
24.7%	41,590	40,351	-1,239	-3.0%
25.9%	34,693	34,568	-125	-0.4%
27.2%	31,717	31,669	-48	-0.2%
28.4%	30,198	29,928	-269	-0.9%
29.6%	29,908	29,483	-425	-1.4%
30.9%	28,578	28,690	112	0.4%
32.1%	29,484	27,866	-1,617	-5.5%
33.3%	29,310	27,748	-1,562	-5.3%
34.6%	28,699	27,712	-987	-3.4%
35.8%	27,988	27,630	-357	-1.3%
37.0%	27,953	26,999	-954	-3.4%
38.3%	27,791	26,953	-838	-3.0%
39.5%	27,710	26,000	-1,710	-6.2%
40.7%	27,599	25,162	-2,437	-8.8%
42.0%	24,145	23,823	-322	-1.3%
43.2%	24,060	23,792	-268	-1.1%
44.4%	23,447	23,381	-66	-0.3%
45.7%	23,193	23,147	-47	-0.2%
46.9%	22,727	23,059	332	1.5%
48.1%	21,700	21,528	-172	-0.8%
49.4%	20,825	21,507	683	3.3%
50.6%	20,455	20,448	-7	0.0%
51.9%	20,062	20,066	4	0.0%
53.1%	19,589	19,542	-48	-0.2%
54.3%	19,540	19,197	-343	-1.8%
55.6%	19,195	19,035	-160	-0.8%
56.8%	19,034	18,893	-141	-0.7%
58.0%	18,507	18,494	-13	-0.1%
59.3%	17,257	17,251	-6	0.0%
60.5%	16,491	16,486	-5	0.0%
61.7%	15,409	15,132	-277	-1.8%
63.0%	14,971	15,065	95	0.6%
64.2%	14,277	14,978	701	4.9%
65.4%	14,170	14,171	1	0.0%
66.7%	13,973	14,156	183	1.3%
67.9%	13,919	13,920	1	0.0%
69.1%	13,889	13,683	-206	-1.5%
70.4%	13,208	13,403	195	1.5%
71.6				

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

Percent Exceedance Probability (%)	June			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	69,915	69,746	-169	-0.2%
1.2%	66,247	67,547	1,300	2.0%
2.5%	38,940	39,608	668	1.7%
3.7%	38,738	39,473	735	1.9%
4.9%	36,933	37,944	1,011	2.7%
6.2%	35,598	37,162	1,564	4.4%
7.4%	35,379	35,364	-15	0.0%
8.6%	31,713	31,601	-112	-0.4%
9.9%	28,819	29,819	1,001	3.5%
11.1%	22,075	23,378	1,303	5.9%
12.3%	21,108	19,994	-1,114	-5.3%
13.6%	20,013	19,980	-33	-0.2%
14.8%	20,006	19,775	-230	-1.2%
16.0%	19,120	18,973	-148	-0.8%
17.3%	18,987	17,766	-1,221	-6.4%
18.5%	14,854	15,106	252	1.7%
19.8%	13,656	14,561	905	6.3%
21.0%	13,690	14,379	729	5.3%
22.2%	13,643	13,806	162	1.2%
23.5%	13,182	13,169	-13	-0.1%
24.7%	12,111	12,764	653	5.4%
25.9%	11,665	12,129	464	4.0%
27.2%	10,926	11,676	750	6.9%
28.4%	10,800	11,844	244	2.3%
29.6%	10,484	10,633	149	1.4%
30.9%	10,096	10,128	32	0.3%
32.1%	9,920	10,081	161	1.6%
33.3%	9,563	9,920	357	3.7%
34.6%	9,383	9,643	260	2.8%
35.8%	9,000	9,586	586	6.5%
37.0%	8,543	9,484	941	11.0%
38.3%	8,353	9,460	1,106	13.2%
39.5%	8,157	9,130	973	11.9%
40.7%	7,921	8,341	420	5.3%
42.0%	7,700	8,317	617	8.0%
43.2%	7,577	8,173	596	7.9%
44.4%	7,533	7,910	377	5.0%
45.7%	7,384	7,801	417	5.6%
46.9%	7,262	7,700	438	6.0%
48.1%	7,250	7,577	327	4.5%
49.4%	7,243	7,420	177	2.4%
50.6%	7,243	7,320	77	1.1%
51.9%	7,133	7,291	157	2.2%
53.1%	7,100	7,243	143	2.0%
54.3%	7,100	7,243	143	2.0%
55.6%	7,100	7,133	33	0.5%
56.8%	7,100	7,100	0	0.0%
58.0%	7,100	7,100	0	0.0%
59.3%	7,100	7,100	0	0.0%
60.5%	7,100	7,100	0	0.0%
61.7%	7,100	7,100	0	0.0%
63.0%	7,100	7,100	0	0.0%
64.2%	7,100	7,100	0	0.0%
65.4%	7,008	7,099	91	1.3%
66.7%	6,932	7,026	94	1.4%
67.9%	6,929	6,922	-7	-0.1%
69.1%	6,875	6,910	36	0.5%
70.4%	6,846	6,875	29	0.4%
71.6%	6,753	6,784	31	0.5%
72.8%	6,724	6,764	41	0.6%
74.1%	6,707	6,713	7	0.1%
75.3%	6,563	6,707	144	2.2%
76.5%	6,563	6,573	10	0.2%
77.8%	6,448	6,563	115	1.8%
79.0%	6,437	6,563	126	2.0%
80.2%	6,373	6,448	74	1.2%
81.5%	6,232	6,375	143	2.3%
82.7%	6,219	6,173	-46	-0.7%
84.0%	5,938	5,969	30	0.5%
85.2%	5,930	5,910	-20	-0.3%
86.4%	5,910	5,693	-217	-3.7%
87.7%	5,770	5,556	-214	-3.7%
88.9%	5,538	5,469	-69	-1.2%
90.1%	5,489	5,209	-280	-4.7%
91.4%	4,987	4,908	-79	-1.6%
92.6%	4,550	5,000	450	9.9%
93.8%	4,078	4,816	738	18.1%
95.1%	4,000	4,538	538	13.5%
96.3%	4,000	4,319	319	8.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Percent Exceedance Probability (%)	July			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	33,678	33,465	-213	-0.6%
1.2%	28,347	28,145	-201	-0.7%
2.5%	22,491	22,993	502	2.2%
3.7%	14,048	14,999	951	6.8%
4.9%	11,490	11,491	1	0.0%
6.2%	11,246	11,273	27	0.2%
7.4%	11,031	11,250	219	2.0%
8.6%	11,009	10,880	-129	-1.2%
9.9%	10,782	10,798	16	0.1%
11.1%	10,692	10,787	96	0.9%
12.3%	10,592	10,726	133	1.3%
13.6%	10,523	10,709	186	1.8%
14.8%	10,437	10,529	92	0.9%
16.0%	10,385	10,404	19	0.2%
17.3%	10,237	10,310	74	0.7%
18.5%	10,072	9,847	-225	-2.2%
19.8%	9,843	9,580	-264	-2.7%
21.0%	8,709	8,731	22	0.3%
22.2%	8,548	8,608	59	0.7%
23.5%	8,457	8,462	5	0.1%
24.7%	8,375	8,322	-53	-0.6%
25.9%	8,320	8,269	-51	-0.6%
27.2%	8,193	8,237	44	0.5%
28.4%	8,000	8,212	212	2.7%
29.6%	8,000	8,000	0	0.0%
30.9%	8,000	8,000	0	0.0%
32.1%	8,000	8,000	0	0.0%
33.3%	8,000	8,000	0	0.0%
34.6%	8,000	8,000	0	0.0%
35.8%	8,000	8,000	0	0.0%
37.0%	8,000	8,000	0	0.0%
38.3%	8,000	8,000	0	0.0%
39.5%	8,000	8,000	0	0.0%
40.7%	8,000	8,000	0	0.0%
42.0%	8,000	8,000	0	0.0%
43.2%	8,000	8,000	0	0.0%
44.4%	8,000	8,000	0	0.0%
45.7%	8,000	8,000	0	0.0%
46.9%	8,000	8,000	0	0.0%
48.1%	8,000	8,000	0	0.0%
49.4%	8,000	8,000	0	0.0%
50.6%	8,000	8,000	0	0.0%
51.9%	7,805	7,974	169	2.2%
53.1%	7,291	6,594	-697	-9.6%
54.3%	6,788	6,560	-228	-3.4%
55.6%	6,500	6,525	25	0.4%
56.8%	6,500	6,500	0	0.0%
58.0%	6,500	6,500	0	0.0%
59.3%	6,500	6,500	0	0.0%
60.5%	6,500	6,500	0	0.0%
61.7%	6,500	6,500	0	0.0%
63.0%	6,500	6,500	0	0.0%
64.2%	6,319	5,639	-320	-5.1%
65.4%	5,280	5,568	288	5.5%
66.7%	5,260	5,299	40	0.8%
67.9%	5,169	5,223	54	1.1%
69.1%	5,145	5,041	-105	-2.0%
70.4%	5,076	5,000	-76	-1.5%
71.6%	5,036	5,000	-36	-0.7%
72.8%	5,000	5,000	0	0.0%
74.1%	5,000	5,000	0	0.0%
75.3%	5,000	5,000	0	0.0%
76.5%	5,000	5,000	0	0.0%
77.8%	5,000	5,000	0	0.0%
79.0%	5,000	5,000	0	0.0%
80.2%	5,000	5,000	0	0.0%
81.5%	5,000	5,000	0	0.0%
82.7%	5,000	5,000	0	0.0%
84.0%	5,000	5,000	0	0.0%
85.2%	5,000	5,000	0	0.0%
86.4%	4,338	4,873	535	12.3%
87.7%	4,216	4,713	497	11.8%
88.9%	4,000	4,029	29	0.7%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Percent Exceedance Probability (%)	August			
	DCR 2015 Without Project	DCR 2015 With Project	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	16,421	17,264	843	5.1%
1.2%	14,468	14,468	0	0.0%
2.5%	8,788	6,774	-2,014	-22.9%
3.7%	5,899	5,460	-439	-7.4%
4.9%	5,303	5,253	-50	-0.9%
6.2%	4,871	5,145	273	5.6%
7.4%	4,694	5,119	425	9.0%
8.6%	4,593	5,003	410	8.9%
9.9%	4,577	4,711	134	3.0%
11.1%	4,477	4,716	238	5.3%
12.3%	4,458	4,709	250	5.6%
13.6%	4,444	4,531	87	2.0%
14.8%	4,258	4,434	175	4.1%
16.0%	4,212	4,401	189	4.5%
17.3%	4,202	4,399	197	4.7%
18.5%	4,189	4,398	209	5.0%
19.8%	4,184	4,390	207	4.9%
21.0%	4,124	4,390	266	6.5%
22.2%	4,095	4,390	295	7.2%
23.5%	4,073	4,390	317	7.8%
24.7%	4,046	4,390	344	8.5%
25.9%	4,005	4,390	386	9.6%
27.2%	4,000	4,390	390	9.8%
28.4%	4,000	4,390	390	9.8%
29.6%	4,000	4,390	390	9.8%
30.9%	4,000	4,390	390	9.8%
32.1%	4,000	4,390	390	9.8%
33.3%	4,000	4,390	390	9.8%
34.6%	4,000	4,390	390	9.8%
35.8%	4,000	4,390	390	9.8%
37.0%	4,000	4,390	390	9.8%
38.3%	4,000	4,390	390	9.8%
39.5%	4,000	4,390	390	9.8%
40.7%	4,000	4,390	390	9.8%
42.0%	4,000	4,390	390	9.8%
43.2%	4,000	4,390	390	9.8%
44.4%	4,000	4,390	390	9.8%
45.7%	4,000	4,390	390	9.8%
46.9%	4,000	4,317	317	7.9%
48.1%	4,000	4,247	247	6.2%
49.4%	4,000	4,235	235	5.9%
50.6%	4,000	4,212	212	5.3%
51.9%	4,000	4,186	186	4.6%
53.1%	4,000	4,140	140	3.5%
54.3%	4,000	4,138	138	3.5%
55.6%	4,000	4,133	133	3.3%
56.8%	4,000	4,102	102	2.5%
58.0%	4,000	4,055	55	1.4%
59.3%	4,000	4,043	43	1.1%
60.5%	4,000	4,023	23	0.6%
61.7%	4,000	4,000	0	0.0%
63.0%	4,000	4,000	0	0.0%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	3,968	4,000	32	0.8%
81.5%	3,925	4,000	75	1.9%
82.7%	3,891	4,000	109	2.8%
84.0%	3,889	4,000	111	2.9%
85.2%	3,788	4,000	212	5.6%
86.4%	3,785	3,947	163	4.3%
87.7%	3,769	3,926	157	4.2%
88.9%	3,769	3,924	155	4.1%
90.1%	3,765	3,918		

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

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	4,161	3,847	4,513	5,219	6,081	5,348	4,176	3,592	5,160	7,111	5,548	5,381
DCR 2015 With Project	4,280	3,954	4,505	5,070	5,929	5,167	4,127	3,579	5,259	7,195	5,743	5,712
Difference	119	107	-8	-149	-152	-182	-50	-13	99	83	195	332
Percent Difference <sup>2</sup>	2.9%	2.8%	-0.2%	-2.9%	-2.5%	-3.4%	-1.2%	-0.4%	1.9%	1.2%	3.5%	6.2%
Water Year Types <sup>2</sup>												
Wet (31.7%)												
DCR 2015 Without Project	4,522	4,155	4,929	7,737	8,696	7,659	6,128	5,241	6,179	7,445	6,221	5,694
DCR 2015 With Project	4,614	4,202	4,918	7,632	8,618	7,549	6,080	5,219	6,269	7,457	6,204	5,786
Difference	92	46	-11	-105	-78	-110	-47	-22	89	11	-17	92
Percent Difference	2.0%	1.1%	-0.2%	-1.4%	-0.9%	-1.4%	-0.8%	-0.4%	1.4%	0.2%	-0.3%	1.6%
Above Normal (14.6%)												
DCR 2015 Without Project	4,543	4,255	4,577	6,088	7,104	6,700	4,512	3,797	5,047	8,126	6,348	8,099
DCR 2015 With Project	4,562	4,371	4,590	5,869	6,938	6,439	4,418	3,795	5,382	8,200	6,319	8,172
Difference	19	116	13	-219	-166	-261	-94	-2	334	74	-29	73
Percent Difference	0.4%	2.7%	0.3%	-3.6%	-2.3%	-3.9%	-2.1%	-0.1%	6.6%	0.9%	-0.5%	0.9%
Below Normal (17.1%)												
DCR 2015 Without Project	4,582	4,063	5,043	4,076	5,273	4,110	3,448	2,985	5,091	7,836	6,146	5,469
DCR 2015 With Project	4,783	4,193	5,013	3,848	5,143	3,816	3,380	2,929	5,122	7,875	6,225	5,712
Difference	201	131	-30	-228	-131	-294	-68	-55	31	39	80	243
Percent Difference	4.4%	3.2%	-0.6%	-5.6%	-2.5%	-7.2%	-2.0%	-1.9%	0.6%	0.5%	1.3%	4.4%
Dry (22%)												
DCR 2015 Without Project	3,723	3,565	4,323	3,354	4,137	3,750	2,842	2,520	4,728	6,927	4,735	4,391
DCR 2015 With Project	3,912	3,766	4,341	3,242	3,908	3,510	2,797	2,544	4,723	7,134	5,262	5,114
Difference	188	200	18	-112	-229	-240	-45	24	-4	207	526	722
Percent Difference	5.1%	5.6%	0.4%	-3.3%	-5.5%	-6.4%	-1.6%	0.9%	-0.1%	3.0%	11.1%	16.4%
Critical (14.6%)												
DCR 2015 Without Project	3,160	2,939	3,215	3,024	3,250	2,832	2,464	2,130	3,792	4,804	3,812	3,365
DCR 2015 With Project	3,239	3,001	3,180	2,886	3,041	2,792	2,469	2,118	3,909	4,918	4,332	3,992
Difference	79	62	-35	-139	-209	-40	6	-12	117	114	519	628
Percent Difference	2.5%	2.1%	-1.1%	-4.6%	-6.4%	-1.4%	0.2%	-0.6%	3.1%	2.4%	13.6%	18.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

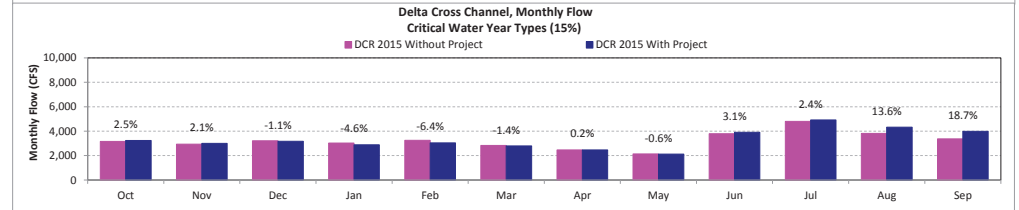
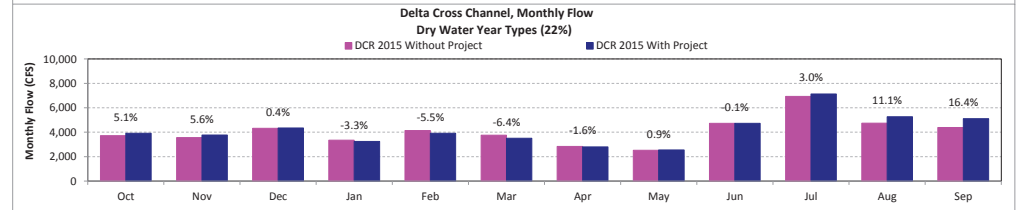
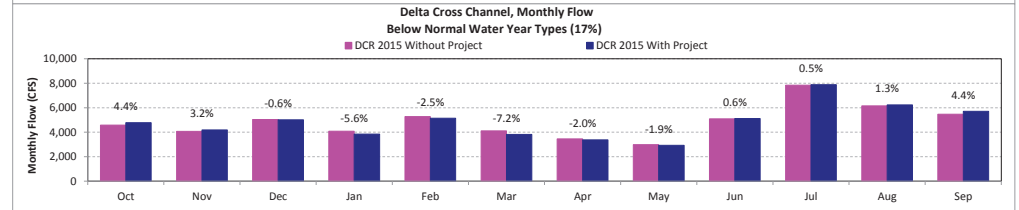
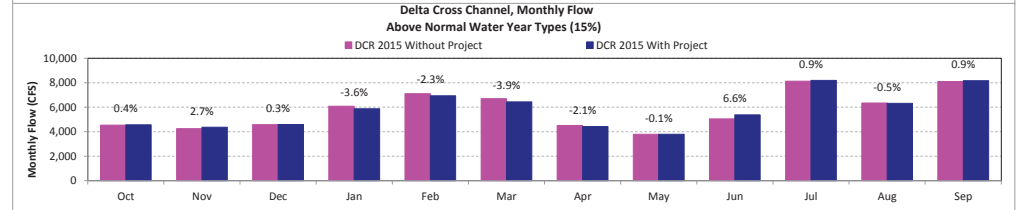
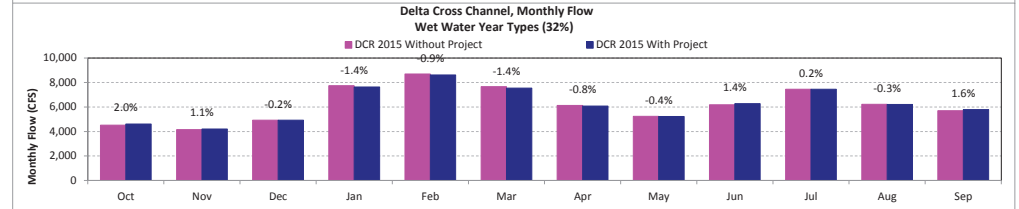
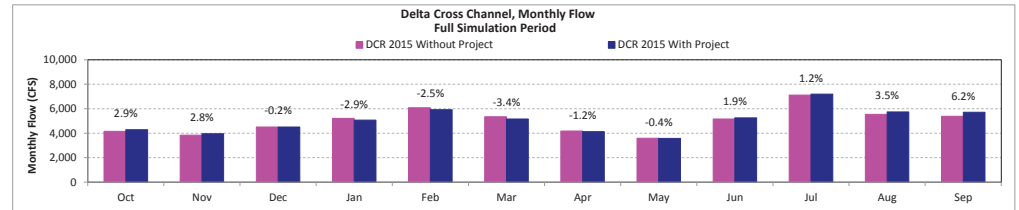


Figure SW-34-b  
Delta Cross Channel, Monthly Flow  
Probability of Exceedance

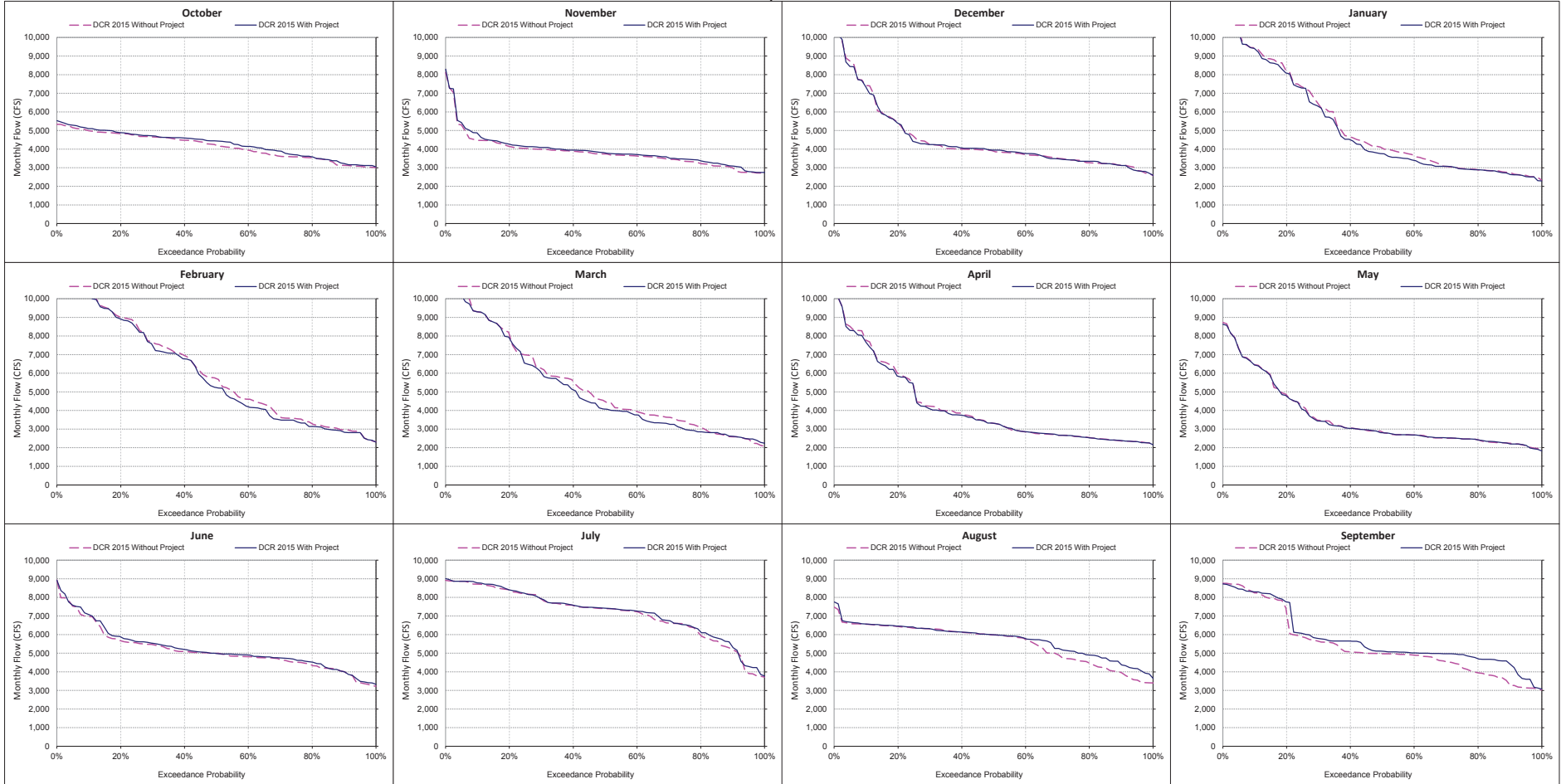


Table SW-34-b  
Delta Cross Channel, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,335	5,524	189	3.5%
1.2%	5,329	5,452	123	2.3%
2.5%	5,261	5,390	119	2.3%
3.7%	5,260	5,316	56	1.1%
4.9%	5,153	5,292	139	2.7%
6.2%	5,109	5,251	142	2.8%
7.4%	5,087	5,186	99	2.0%
8.6%	5,062	5,165	102	2.0%
9.9%	4,992	5,102	110	2.2%
11.1%	4,963	5,102	139	2.8%
12.3%	4,914	5,037	123	2.5%
13.6%	4,914	5,021	107	2.2%
14.8%	4,896	5,012	114	2.3%
16.0%	4,887	5,000	113	2.3%
17.3%	4,876	4,992	116	2.4%
18.5%	4,857	4,912	56	1.1%
19.8%	4,835	4,894	59	1.2%
21.0%	4,827	4,874	47	1.0%
22.2%	4,820	4,844	25	0.5%
23.5%	4,788	4,796	28	0.6%
24.7%	4,767	4,788	22	0.5%
25.9%	4,682	4,760	77	1.7%
27.2%	4,681	4,729	49	1.0%
28.4%	4,678	4,725	47	1.0%
29.6%	4,660	4,719	59	1.3%
30.9%	4,647	4,697	50	1.1%
32.1%	4,638	4,647	9	0.2%
33.3%	4,622	4,625	3	0.1%
34.6%	4,614	4,625	11	0.2%
35.8%	4,596	4,613	17	0.6%
37.0%	4,542	4,610	69	1.5%
38.3%	4,495	4,610	115	2.6%
39.5%	4,480	4,606	126	2.8%
40.7%	4,474	4,589	115	2.6%
42.0%	4,462	4,574	112	2.5%
43.2%	4,445	4,544	99	2.2%
44.4%	4,402	4,526	124	2.8%
45.7%	4,378	4,520	142	3.3%
46.9%	4,283	4,457	175	4.1%
48.1%	4,270	4,450	180	4.2%
49.4%	4,246	4,445	199	4.7%
50.6%	4,152	4,428	276	6.7%
51.9%	4,145	4,413	268	6.5%
53.1%	4,114	4,392	278	6.8%
54.3%	4,093	4,380	287	7.0%
55.6%	4,045	4,261	216	5.3%
56.8%	4,044	4,252	208	5.1%
58.0%	3,999	4,162	163	4.1%
59.3%	3,949	4,152	203	5.1%
60.5%	3,933	4,141	208	5.3%
61.7%	3,863	4,121	258	6.7%
63.0%	3,860	4,076	215	5.6%
64.2%	3,785	4,054	269	7.1%
65.4%	3,780	3,978	197	5.2%
66.7%	3,697	3,958	260	7.0%
67.9%	3,697	3,939	242	6.6%
69.1%	3,632	3,898	267	7.3%
70.4%	3,610	3,886	276	7.6%
71.6%	3,598	3,775	177	4.9%
72.8%	3,597	3,734	137	3.8%
74.1%	3,587	3,701	114	3.2%
75.3%	3,585	3,683	98	2.7%
76.5%	3,578	3,625	47	1.3%
77.8%	3,554	3,617	63	1.8%
79.0%	3,544	3,613	70	2.0%
80.2%	3,541	3,578	38	1.1%
81.5%	3,495	3,493	-2	-0.1%
82.7%	3,459	3,483	24	0.7%
84.0%	3,443	3,442	-1	0.0%
85.2%	3,381	3,437	55	1.6%
86.4%	3,313	3,380	66	2.0%
87.7%	3,145	3,378	233	7.4%
88.9%	3,131	3,262	131	4.2%
90.1%	3,124	3,216	92	2.9%
91.4%	3,121	3,151	40	1.3%
92.6%	3,093	3,160	67	2.2%
93.8%	3,084	3,158	73	2.4%
95.1%	3,082	3,137	55	1.8%
96.3%	3,042	3,121	79	2.6%
97.5%	3,037	3,121	84	2.8%
98.8%	3,022	3,117	95	3.1%
100.0%	3,012	3,042	30	1.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,121	8,296	174	2.2%
1.2%	7,287	7,263	-24	-0.3%
2.5%	7,040	7,247	207	2.9%
3.7%	5,336	5,548	212	4.0%
4.9%	5,305	5,433	128	2.4%
6.2%	4,971	5,112	141	2.8%
7.4%	4,581	5,019	438	9.6%
8.6%	4,485	4,885	353	7.8%
9.9%	4,270	4,870	369	8.6%
11.1%	4,470	4,632	162	3.6%
12.3%	4,466	4,532	66	1.5%
13.6%	4,462	4,485	23	0.5%
14.8%	4,439	4,465	26	0.6%
16.0%	4,335	4,452	117	2.7%
17.3%	4,296	4,376	80	1.9%
18.5%	4,226	4,321	95	2.3%
19.8%	4,155	4,278	123	3.0%
21.0%	4,107	4,222	115	2.8%
22.2%	4,064	4,207	143	3.5%
23.5%	4,050	4,180	130	3.2%
24.7%	4,043	4,149	106	2.6%
25.9%	4,033	4,137	105	2.6%
27.2%	4,009	4,134	125	3.1%
28.4%	4,001	4,115	114	2.9%
29.6%	3,990	4,095	105	2.6%
30.9%	3,976	4,085	109	2.7%
32.1%	3,974	4,083	110	2.8%
33.3%	3,944	4,032	88	2.2%
34.6%	3,937	4,001	63	1.6%
35.8%	3,937	3,999	62	1.6%
37.0%	3,912	3,978	64	1.6%
38.3%	3,909	3,948	40	1.0%
39.5%	3,884	3,945	61	1.6%
40.7%	3,878	3,942	64	1.7%
42.0%	3,850	3,928	78	2.0%
43.2%	3,847	3,927	79	2.1%
44.4%	3,837	3,923	86	2.2%
45.7%	3,792	3,894	102	2.7%
46.9%	3,750	3,854	105	2.8%
48.1%	3,746	3,831	85	2.3%
49.4%	3,741	3,823	82	2.2%
50.6%	3,727	3,774	37	1.0%
51.9%	3,677	3,766	88	2.4%
53.1%	3,676	3,747	71	1.9%
54.3%	3,675	3,747	71	1.9%
55.6%	3,669	3,737	68	1.9%
56.8%	3,661	3,736	74	2.0%
58.0%	3,648	3,728	80	2.2%
59.3%	3,641	3,718	76	2.1%
60.5%	3,620	3,697	77	2.1%
61.7%	3,617	3,673	56	1.5%
63.0%	3,601	3,666	64	1.8%
64.2%	3,586	3,651	65	1.8%
65.4%	3,572	3,641	69	1.9%
66.7%	3,537	3,619	82	2.3%
67.9%	3,516	3,590	73	2.1%
69.1%	3,478	3,588	110	3.2%
70.4%	3,448	3,503	55	1.6%
71.6%	3,444	3,496	53	1.5%
72.8%	3,428	3,481	53	1.5%
74.1%	3,365	3,471	106	3.1%
75.3%	3,340	3,454	113	3.4%
76.5%	3,329	3,451	123	3.7%
77.8%	3,320	3,430	110	3.3%
79.0%	3,275	3,418	143	4.4%
80.2%	3,215	3,360	145	4.5%
81.5%	3,202	3,322	121	3.8%
82.7%	3,191	3,290	99	3.1%
84.0%	3,099	3,250	151	4.9%
85.2%	3,091	3,247	156	5.0%
86.4%	3,089	3,195	106	3.4%
87.7%	3,080	3,165	85	2.8%
88.9%	3,053	3,100	47	1.5%
90.1%	2,979	3,089	110	3.7%
91.4%	2,797	3,063	267	9.5%
92.6%	2,755	3,033	278	10.1%
93.8%	2,753	2,831	78	2.8%
95.1%	2,752	2,796	44	1.6%
96.3%	2,748	2,776	27	1.0%
97.5%	2,720	2,753	33	1.2%
98.8%	2,714	2,752	37	1.4%
100.0%	2,622	2,745	122	4.7%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,261	11,217	-44	-0.4%
1.2%	10,478	10,147	-331	-3.2%
2.5%	9,805	9,875	69	0.7%
3.7%	8,893	8,686	-207	-2.3%
4.9%	8,731	8,446	-285	-3.3%
6.2%	8,543	8,426	-117	-1.4%
7.4%	7,744	7,738	-6	-0.1%
8.6%	7,717	7,688	-29	-0.4%
9.9%	7,420	7,345	-75	-1.0%
11.1%	7,405	6,979	-426	-5.8%
12.3%	6,965	6,912	-53	-0.8%
13.6%	6,081	6,316	236	4.2%
14.8%	5,981	5,915	-66	-1.1%
16.0%	5,809	5,822	13	0.2%
17.3%	5,746	5,686	-60	-1.0%
18.5%	5,606	5,612	5	0.1%
19.8%	5,462	5,411	-51	-0.9%
21.0%	5,223	5,302	79	1.5%
22.2%	4,922	4,857	-66	-1.3%
23.5%	4,866	4,866	0	0.0%
24.7%	4,722	4,424	-299	-6.3%
25.9%	4,521	4,358	-163	-3.6%
27.2%	4,455	4,286	-169	-3.8%
28.4%	4,424	4,284	-139	-3.1%
29.6%	4,284	4,284	0	0.0%
30.9%	4,231	4,249	18	0.4%
32.1%	4,226	4,235	9	0.2%
33.3%	4,193	4,226	33	0.8%
34.6%	4,033	4,223	190	4.7%
35.8%	4,029	4,147	118	2.9%
37.0%	4,026	4,135	109	2.7%
38.3%	4,009	4,132	123	3.1%
39.5%	4,006	4,068	62	1.5%
40.7%	4,000	4,047	47	1.2%
42.0%	3,992	4,045	54	1.3%
43.2%	3,983	4,041	58	1.5%
44.4%	3,980	4,041	60	1.5%
45.7%	3,964	4,037	73	1.8%
46.9%	3,956	4,037	81	2.0%
48.1%	3,947	3,974	28	0.7%
49.4%	3,919	3,950	30	0.8%
50.6%	3,853	3,948	95	2.5%
51.9%	3,849	3,947	98	2.5%
53.1%	3,824	3,912	88	2.3%
54.3%	3,818	3,867	49	1.3%
55.6%	3,800	3,866	66	1.7%
56.8%	3,779	3,843	64	1.7%
58.0%	3,771	3,818	47	1.2%
59.3%	3,725	3,779	54	1.5%
60.5%	3,687	3,758	72	1.9%
61.7%	3,670	3,754	84	2.3%
63.0%	3,669	3,742	73	2.0%
64.2%	3,650	3,687	37	1.0%
65.4%	3,639	3,612	-27	-0.7%
66.7%	3,603	3,532	-71	-2.0%
67.9%	3,563	3,493	-70	-2.0%
69.1%	3,546	3,487	-59	-1.7%
70.4%	3,500	3,473	-27	-0.8%
71.6%	3,484	3,440	-45	-1.3%
72.8%	3,443	3,429	-14	-0.4%
74.1%	3,423	3,420	-3	-0.1%
75.3%	3,406	3,411	5	0.2%
76.5%	3,399	3,353	-46	-1.3%
77.8%	3,374	3,345	-30	-0.9%
79.0%	3,279	3,344	65	2.0%
80.2%	3,268	3,343	75	2.3%
81.5%	3,250	3,342	92	2.8%
82.7%	3,244	3,336	92	2.8%
84.0%	3,224	3,226	3	0.1%
85.2%	3,220	3,220	0	0.0%
86.4%	3,219	3,220	1	0.0%
87.7%	3,211	3,169	-42	-1.3%
88.9%	3,147	3,142	-5	-0.2%
90.1%	3,129	3,122	-8	-0.2%
91.4%	3,117	3,117	0	0.0%
92.6%	3,075	2,969	-106	-3.5%
93.8%	3,039	2,873	-166	-5.5%
95.1%	2,846			



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

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,293	11,292	0	0.0%	
1.2%	11,120	11,119	-1	0.0%	
2.5%	10,829	10,830	1	0.0%	
3.7%	10,649	10,723	74	0.7%	
4.9%	10,454	10,665	211	2.0%	
6.2%	10,338	10,390	51	0.5%	
7.4%	10,255	10,301	46	0.5%	
8.6%	10,236	10,234	-3	0.0%	
9.9%	10,146	10,174	28	0.3%	
11.1%	10,084	9,997	-87	-0.9%	
12.3%	9,985	9,955	-30	-0.3%	
13.6%	9,639	9,577	-61	-0.6%	
14.8%	9,559	9,467	-92	-0.8%	
16.0%	9,474	9,472	-2	0.0%	
17.3%	9,300	9,305	5	0.1%	
18.5%	9,122	9,010	-113	-1.2%	
19.8%	9,018	8,931	-88	-1.0%	
21.0%	8,984	8,850	-135	-1.5%	
22.2%	8,929	8,820	-109	-1.2%	
23.5%	8,887	8,708	-181	-2.0%	
24.7%	8,690	8,464	-226	-2.6%	
25.9%	8,293	8,197	-96	-1.2%	
27.2%	8,189	8,188	-1	0.0%	
28.4%	7,746	7,698	-47	-0.6%	
29.7%	7,702	7,595	-107	-1.4%	
30.9%	7,583	7,222	-360	-4.8%	
32.1%	7,540	7,187	-353	-4.7%	
33.3%	7,424	7,151	-273	-3.7%	
34.6%	7,360	7,092	-268	-3.6%	
35.8%	7,251	7,073	-178	-2.5%	
37.0%	7,113	7,069	-45	-0.6%	
38.3%	7,098	6,934	-164	-2.3%	
39.5%	6,996	6,771	-225	-3.2%	
40.7%	6,890	6,598	-292	-4.3%	
42.0%	6,708	6,687	-21	-0.3%	
43.2%	6,401	6,225	-176	-2.6%	
44.4%	6,194	5,951	-242	-3.9%	
45.7%	5,950	5,745	-204	-3.4%	
46.9%	5,827	5,502	-325	-5.6%	
48.1%	5,775	5,340	-436	-7.5%	
49.4%	5,750	5,246	-504	-8.8%	
50.6%	5,666	5,210	-456	-8.0%	
51.9%	5,281	5,200	-80	-1.5%	
53.1%	5,224	4,834	-390	-7.5%	
54.3%	5,120	4,681	-440	-8.6%	
55.6%	4,982	4,624	-358	-7.2%	
56.8%	4,742	4,492	-251	-5.3%	
58.0%	4,648	4,376	-272	-5.8%	
59.3%	4,606	4,235	-371	-8.0%	
60.5%	4,601	4,163	-439	-9.5%	
61.7%	4,516	4,156	-360	-8.0%	
63.0%	4,434	4,136	-298	-6.7%	
64.2%	4,390	4,095	-295	-6.7%	
65.4%	4,303	4,058	-246	-5.7%	
66.7%	4,230	3,729	-500	-11.8%	
67.9%	3,999	3,551	-448	-11.2%	
69.1%	3,762	3,519	-243	-6.5%	
70.4%	3,610	3,463	-147	-4.1%	
71.6%	3,587	3,483	-104	-2.9%	
72.8%	3,586	3,481	-105	-2.9%	
74.1%	3,584	3,476	-108	-3.0%	
75.3%	3,550	3,384	-166	-4.7%	
76.5%	3,537	3,328	-209	-5.9%	
77.8%	3,404	3,322	-82	-2.4%	
79.0%	3,389	3,146	-243	-7.2%	
80.2%	3,261	3,133	-128	-3.9%	
81.5%	3,207	3,123	-84	-2.6%	
82.7%	3,201	3,112	-89	-2.8%	
84.0%	3,130	3,014	-116	-3.7%	
85.2%	3,102	2,989	-114	-3.7%	
86.4%	3,078	2,958	-120	-3.9%	
87.7%	3,049	2,938	-111	-3.6%	
88.9%	2,969	2,912	-57	-1.9%	
90.1%	2,958	2,827	-131	-4.4%	
91.4%	2,948	2,804	-143	-4.9%	
92.6%	2,889	2,804	-85	-2.9%	
93.8%	2,887	2,804	-83	-2.9%	
95.1%	2,819	2,804	-15	-0.5%	
96.3%	2,529	2,517	-12	-0.5%	
97.5%	2,413	2,431	18	0.8%	
98.8%	2,384	2,402	18	0.8%	
100.0%	2,319	2,302	-17	-0.7%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,787	11,745	-42	-0.4%	
1.2%	11,334	11,346	12	0.1%	
2.5%	10,668	10,644	-24	-0.2%	
3.7%	10,558	10,475	-83	-0.8%	
4.9%	10,178	10,178	0	0.0%	
6.2%	10,118	9,839	-279	-2.8%	
7.4%	10,013	9,728	-286	-2.9%	
8.6%	9,956	9,358	-598	-6.0%	
9.9%	9,308	9,308	0	0.0%	
11.1%	9,266	9,280	15	0.2%	
12.3%	9,159	9,163	4	0.0%	
13.6%	8,850	8,847	-3	0.0%	
14.8%	8,760	8,759	-1	0.0%	
16.0%	8,678	8,677	-1	0.0%	
17.3%	8,458	8,451	-7	-0.1%	
18.5%	8,306	7,994	-312	-3.8%	
19.8%	8,206	7,950	-256	-3.1%	
21.0%	7,506	7,579	73	1.0%	
22.2%	7,173	7,351	178	2.5%	
23.5%	7,040	7,163	123	1.7%	
24.7%	6,991	6,548	-443	-6.3%	
25.9%	6,970	6,478	-492	-7.1%	
27.2%	6,930	6,418	-512	-7.4%	
28.4%	6,346	6,294	-51	-0.8%	
29.7%	6,296	6,206	-90	-1.4%	
30.9%	6,181	5,619	-562	-9.1%	
32.1%	6,080	5,747	-333	-5.5%	
33.3%	5,844	5,725	-119	-2.0%	
34.6%	5,834	5,722	-113	-1.9%	
35.8%	5,777	5,554	-223	-3.9%	
37.0%	5,752	5,388	-364	-6.3%	
38.3%	5,377	5,377	0	0.0%	
39.5%	5,662	5,149	-513	-9.1%	
40.7%	5,400	5,048	-353	-6.5%	
42.0%	5,198	4,677	-520	-10.0%	
43.2%	4,825	4,072	-753	-15.6%	
44.4%	5,069	4,494	-575	-11.3%	
45.7%	4,893	4,403	-490	-10.0%	
46.9%	4,645	4,390	-255	-5.5%	
48.1%	4,596	4,143	-453	-9.8%	
49.4%	4,541	4,079	-462	-10.2%	
50.6%	4,506	4,044	-462	-10.2%	
51.9%	4,409	4,012	-397	-9.0%	
53.1%	4,145	3,991	-153	-3.7%	
54.3%	4,136	3,987	-149	-3.6%	
55.6%	4,067	3,958	-109	-2.7%	
56.8%	4,054	3,948	-106	-2.6%	
58.0%	4,046	3,852	-193	-4.8%	
59.3%	3,982	3,772	-211	-5.3%	
60.5%	3,908	3,748	-159	-4.1%	
61.7%	3,857	3,526	-331	-8.6%	
63.0%	3,778	3,432	-346	-9.1%	
64.2%	3,759	3,392	-377	-10.0%	
65.4%	3,750	3,345	-406	-10.8%	
66.7%	3,708	3,338	-370	-10.0%	
67.9%	3,687	3,323	-364	-9.9%	
69.1%	3,637	3,312	-325	-8.9%	
70.4%	3,628	3,259	-369	-10.2%	
71.6%	3,580	3,247	-332	-9.3%	
72.8%	3,472	3,122	-349	-10.1%	
74.1%	3,438	3,059	-379	-11.0%	
75.3%	3,416	2,969	-447	-13.1%	
76.5%	3,271	2,936	-335	-10.3%	
77.8%	3,235	2,931	-304	-9.4%	
79.0%	3,155	2,861	-294	-9.3%	
80.2%	3,076	2,853	-224	-7.3%	
81.5%	2,972	2,832	-140	-4.7%	
82.7%	2,832	2,813	-18	-0.6%	
84.0%	2,791	2,804	13	0.5%	
85.2%	2,734	2,804	70	2.6%	
86.4%	2,426	2,732	16	0.6%	
87.7%	2,657	2,721	64	2.4%	
88.9%	2,597	2,631	34	1.3%	
90.1%	2,585	2,618	33	1.3%	
91.4%	2,576	2,576	0	0.0%	
92.6%	2,562	2,561	-1	0.0%	
93.8%	2,486	2,497	12	0.5%	
95.1%	2,456	2,465	9	0.4%	
96.3%	2,237	2,462	225	10.1%	
97.5%	2,228	2,395	167	7.5%	
98.8%	2,125	2,284	159	7.5%	
100.0%	2,073	2,240	167	8.1%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	10,763	10,762	-1	0.0%	
1.2%	10,051	10,065	14	0.1%	
2.5%	9,595	9,551	-44	-0.5%	
3.7%	8,646	8,512	-134	-1.5%	
4.9%	8,514	8,303	-210	-2.5%	
6.2%	8,305	8,291	-14	-0.2%	
7.4%	8,302	8,063	-238	-2.9%	
8.6%	8,286	8,037	-248	-3.0%	
9.9%	7,752	7,671	-81	-1.1%	
11.1%	7,680	7,421	-259	-3.4%	
12.3%	7,188	7,187	0	0.0%	
13.6%	6,714	6,830	116	1.7%	
14.8%	6,530	6,489	-41	-0.6%	
16.0%	6,585	6,393	-192	-2.9%	
17.3%	6,480	6,204	-276	-4.3%	
18.5%	6,394	6,201	-193	-3.0%	
19.8%	6,017	5,854	-163	-2.7%	
21.0%	5,905	5,792	-113	-1.9%	
22.2%	5,791	5,791	0	0.0%	
23.5%	5,686	5,509	-177	-3.1%	
24.7%	5,461	5,469	8	0.1%	
25.9%	4,456	4,415	-41	-0.9%	
27.2%	4,432	4,232	-200	-4.5%	
28.4%	4,256	4,225	-31	-0.7%	
29.7%	4,232	4,105	-126	-3.0%	
30.9%	4,217	4,019	-197	-4.7%	
32.1%	4,194	4,018	-175	-4.2%	
33.3%	4,019	3,980	-40	-1.0%	
34.6%	3,977	3,976	-1	0.0%	
35.8%	3,977	3,834	-143	-3.6%	
37.0%	3,974	3,767	-206	-5.2%	
38.3%	3,866	3,765	-101	-2.6%	
39.5%	3,859	3,749	-110	-2.8%	
40.7%	3,761	3,721	-40	-1.0%	
42.0%	3,734	3,637	-97	-2.6%	
43.2%	3,677	3,627	-50	-1.4%	
44.4%	3,502	3,502	0	0.0%	
45.7%	3,503	3,488	-15	-0.4%	
46.9%	3,467	3,435	-31	-0.9%	
48.1%	3,327	3,327	0	0.0%	
49.4%	3,325	3,324	-1	0.0%	
50.6%	3,294	3,293	-1	0.0%	
51.9%	3,250	3,251	0	0.0%	
53.1%	3,167	3,144	-23	-0.7%	
54.3%	3,063	3,063	0	0.0%	
55.6%	2,954	3,040	86	2.9%	
56.8%	2,924	2,937	12	0.4%	
58.0%	2,902	2,902	0	0.0%	
59.3%	2,866	2,867	1	0.0%	
60.5%	2,824	2,859	35	1.3%	
61.7%	2,823	2,822	-1	0.0%	
63.0%	2,765	2,804	39	1.4%	
64.2%	2,747	2,777	30	1.1%	
65.4%	2,747	2,765	18	0.7%	
66.7%	2,735	2,747	12	0.5%	
67.9%	2,716	2,733	18	0.6%	
69.1%	2,711	2,732	21	0.8%	
70.4%	2,667	2,667	0	0.0	

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

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,931	8,927	-4	-0.1%
1.2%	7,981	8,367	386	4.8%
2.5%	7,981	8,175	195	2.4%
3.7%	7,833	7,748	-85	-1.1%
4.9%	7,527	7,576	49	0.6%
6.2%	7,482	7,505	23	0.3%
7.4%	7,087	7,479	392	5.5%
8.6%	6,995	7,171	176	2.5%
9.9%	6,969	7,083	115	1.6%
11.1%	6,958	6,991	34	0.5%
12.3%	6,659	6,746	87	1.3%
13.6%	6,421	6,733	312	4.9%
14.8%	5,995	6,418	421	7.0%
16.0%	5,860	6,075	215	3.7%
17.3%	5,789	5,939	150	2.6%
18.5%	5,773	5,918	145	2.5%
19.8%	5,681	5,891	210	3.7%
21.0%	5,618	5,780	162	2.9%
22.2%	5,586	5,758	172	3.1%
23.5%	5,575	5,703	128	2.3%
24.7%	5,564	5,623	59	1.1%
25.9%	5,515	5,615	100	1.8%
27.2%	5,500	5,612	112	2.0%
28.4%	5,480	5,582	102	1.9%
29.6%	5,478	5,545	67	1.2%
30.9%	5,430	5,513	84	1.5%
32.1%	5,400	5,472	72	1.3%
33.3%	5,347	5,430	82	1.5%
34.6%	5,253	5,389	136	2.6%
35.8%	5,222	5,371	149	2.9%
37.0%	5,134	5,292	157	3.1%
38.3%	5,058	5,240	182	3.6%
39.5%	5,093	5,219	126	2.5%
40.7%	5,091	5,178	87	1.7%
42.0%	5,057	5,134	76	1.5%
43.2%	5,038	5,086	48	1.0%
44.4%	5,038	5,067	30	0.6%
45.7%	5,028	5,059	30	0.6%
46.9%	5,022	5,037	15	0.3%
48.1%	5,003	4,998	-5	-0.2%
49.4%	4,996	4,996	0	0.0%
50.6%	4,996	4,996	0	0.0%
51.9%	4,942	4,958	16	0.3%
53.1%	4,932	4,952	20	0.4%
54.3%	4,850	4,951	101	2.1%
55.6%	4,841	4,942	101	2.1%
56.8%	4,833	4,932	99	2.1%
58.0%	4,823	4,909	86	1.8%
59.3%	4,819	4,909	90	1.9%
60.5%	4,813	4,896	83	1.7%
61.7%	4,799	4,833	34	0.7%
63.0%	4,762	4,823	61	1.3%
64.2%	4,760	4,816	57	1.2%
65.4%	4,753	4,796	43	0.9%
66.7%	4,750	4,796	46	1.0%
67.9%	4,734	4,762	28	0.6%
69.1%	4,714	4,756	42	0.9%
70.4%	4,634	4,738	104	2.3%
71.6%	4,614	4,734	120	2.6%
72.8%	4,554	4,715	161	3.5%
74.1%	4,520	4,693	173	3.8%
75.3%	4,515	4,617	102	2.3%
76.5%	4,501	4,614	113	2.5%
77.8%	4,460	4,573	113	2.5%
79.0%	4,434	4,538	104	2.3%
80.2%	4,330	4,514	184	3.2%
81.5%	4,316	4,450	134	3.1%
82.7%	4,200	4,431	230	5.5%
84.0%	4,193	4,265	72	1.7%
85.2%	4,189	4,189	0	0.0%
86.4%	4,176	4,142	-34	-0.8%
87.7%	4,132	4,123	-9	-0.2%
88.9%	4,048	4,048	0	0.0%
90.1%	4,002	4,002	0	0.0%
91.4%	3,959	3,959	0	0.0%
92.6%	3,803	3,809	6	0.1%
93.8%	3,433	3,639	206	6.0%
95.1%	3,415	3,487	72	2.1%
96.3%	3,366	3,459	93	2.8%
97.5%	3,328	3,409	81	2.4%
98.8%	3,250	3,306	56	1.7%
100.0%	3,228	3,326	98	3.0%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,917	9,011	94	1.1%
1.2%	8,985	8,996	11	0.1%
2.5%	8,881	8,870	-11	-0.1%
3.7%	8,870	8,870	0	0.0%
4.9%	8,870	8,870	0	0.0%
6.2%	8,870	8,870	0	0.0%
7.4%	8,797	8,870	74	0.8%
8.6%	8,718	8,851	133	1.5%
9.9%	8,713	8,793	74	0.8%
11.1%	8,703	8,773	70	0.8%
12.3%	8,654	8,712	57	0.7%
13.6%	8,631	8,709	78	0.9%
14.8%	8,595	8,698	103	1.2%
16.0%	8,495	8,644	149	1.8%
17.3%	8,471	8,595	125	1.5%
18.5%	8,441	8,489	48	0.6%
19.8%	8,420	8,417	-4	0.0%
21.0%	8,301	8,362	62	0.7%
22.2%	8,270	8,333	63	0.8%
23.5%	8,222	8,270	49	0.6%
24.7%	8,200	8,222	21	0.3%
25.9%	8,174	8,153	-22	-0.3%
27.2%	8,153	8,142	-11	-0.1%
28.4%	8,145	8,072	-73	-0.9%
29.6%	7,958	7,958	0	0.0%
30.9%	7,807	7,861	55	0.7%
32.1%	7,727	7,727	0	0.0%
33.3%	7,697	7,700	2	0.0%
34.6%	7,686	7,696	9	0.1%
35.8%	7,646	7,691	45	0.6%
37.0%	7,616	7,682	67	0.9%
38.3%	7,587	7,646	59	0.8%
39.5%	7,586	7,596	11	0.1%
40.7%	7,516	7,560	43	0.6%
42.0%	7,477	7,505	28	0.4%
43.2%	7,475	7,475	0	0.0%
44.4%	7,465	7,474	9	0.1%
45.7%	7,456	7,465	8	0.1%
46.9%	7,427	7,447	21	0.3%
48.1%	7,407	7,446	40	0.5%
49.4%	7,404	7,432	27	0.4%
50.6%	7,392	7,408	16	0.2%
51.9%	7,391	7,392	1	0.0%
53.1%	7,378	7,376	-1	0.0%
54.3%	7,304	7,347	43	0.6%
55.6%	7,299	7,323	24	0.3%
56.8%	7,289	7,307	18	0.3%
58.0%	7,274	7,306	32	0.4%
59.3%	7,255	7,289	34	0.5%
60.5%	7,207	7,253	46	0.6%
61.7%	7,102	7,244	143	2.0%
63.0%	7,079	7,185	106	1.5%
64.2%	6,987	7,169	182	2.6%
65.4%	6,818	7,160	342	5.0%
66.7%	6,730	6,988	258	3.8%
67.9%	6,727	6,791	65	1.0%
69.1%	6,635	6,776	141	2.1%
70.4%	6,612	6,735	123	1.9%
71.6%	6,601	6,612	11	0.2%
72.8%	6,594	6,591	-3	0.0%
74.1%	6,591	6,537	-54	-0.8%
75.3%	6,537	6,522	-16	-0.2%
76.5%	6,405	6,485	80	1.2%
77.8%	6,378	6,378	0	0.0%
79.0%	6,152	6,314	162	2.6%
80.2%	5,915	6,105	190	3.2%
81.5%	5,818	6,104	286	4.9%
82.7%	5,764	5,969	205	3.6%
84.0%	5,662	5,864	202	3.6%
85.2%	5,651	5,818	167	3.0%
86.4%	5,414	5,755	341	6.3%
87.7%	5,359	5,646	287	5.4%
88.9%	5,289	5,607	319	6.0%
90.1%	5,182	5,294	112	2.2%
91.4%	5,064	5,154	90	1.8%
92.6%	4,826	4,551	-275	-5.7%
93.8%	4,070	4,329	259	6.4%
95.1%	3,905	4,289	384	9.8%
96.3%	3,892	4,229	336	8.6%
97.5%	3,784	4,223	439	11.6%
98.8%	3,650	4,071	421	11.5%
100.0%	3,717	3,773	56	1.5%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,476	7,747	271	3.6%
1.2%	7,344	7,960	616	8.4%
2.5%	6,669	6,756	86	1.3%
3.7%	6,637	6,703	67	1.0%
4.9%	6,586	6,665	79	1.2%
6.2%	6,580	6,640	60	0.9%
7.4%	6,579	6,623	44	0.7%
8.6%	6,566	6,577	11	0.2%
9.9%	6,566	6,566	0	0.0%
11.1%	6,547	6,556	9	0.1%
12.3%	6,533	6,543	10	0.2%
13.6%	6,509	6,534	26	0.4%
14.8%	6,486	6,509	23	0.4%
16.0%	6,484	6,498	14	0.2%
17.3%	6,474	6,494	20	0.3%
18.5%	6,458	6,486	27	0.4%
19.8%	6,444	6,458	14	0.2%
21.0%	6,411	6,453	42	0.7%
22.2%	6,407	6,425	18	0.3%
23.5%	6,382	6,415	33	0.4%
24.7%	6,353	6,411	57	0.9%
25.9%	6,349	6,345	-4	-0.1%
27.2%	6,341	6,336	-5	-0.1%
28.4%	6,326	6,326	0	0.0%
29.6%	6,315	6,315	0	0.0%
30.9%	6,307	6,282	-25	-0.4%
32.1%	6,299	6,226	-74	-1.2%
33.3%	6,282	6,218	-64	-1.0%
34.6%	6,218	6,204	-14	-0.2%
35.8%	6,204	6,171	-33	-0.5%
37.0%	6,171	6,158	-13	-0.2%
38.3%	6,145	6,152	8	0.1%
39.5%	6,128	6,144	17	0.3%
40.7%	6,112	6,133	22	0.4%
42.0%	6,095	6,112	17	0.3%
43.2%	6,091	6,095	4	0.1%
44.4%	6,040	6,083	43	0.7%
45.7%	6,030	6,030	0	0.0%
46.9%	6,024	6,022	-3	0.0%
48.1%	6,000	6,015	15	0.2%
49.4%	5,982	5,996	13	0.2%
50.6%	5,976	5,976	0	0.0%
51.9%	5,960	5,976	16	0.3%
53.1%	5,939	5,960	21	0.4%
54.3%	5,914	5,932	19	0.3%
55.6%	5,911	5,932	20	0.3%
56.8%	5,854	5,914	59	1.0%
58.0%	5,838	5,880	42	0.7%
59.3%	5,814	5,833	19	0.3%
60.5%	5,692	5,758	66	1.2%
61.7%	5,616	5,748	133	2.4%
63.0%	5,502	5,730	228	4.1%
64.2%	5,383	5,723	340	6.3%
65.4%	5,254	5,681	427	8.1%
66.7%	5,012	5,650	639	12.7%
67.9%	5,005	5,574	569	11.4%
69.1%	5,004	5,262	258	5.2%
70.4%	4,902	5,261	359	7.3%
71.6%	4,740	5,176	436	9.2%
72.8%	4,709	5,149	441	9.4%
74.1%	4,698	5,119	421	9.0%
75.3%	4,684	5,102	438	9.4%
76.5%	4,589	5,000	411	9.0%
77.8%	4,575	4,997	422	9.2%
79.0%	4,551	4,915	365	8.0%
80.2%	4,447	4,894	446	10.0%
81.5%	4,359	4,883	524	12.0%
82.7%	4,265	4,842	577	13.5%
84.0%	4,237	4,741	504	11.9%
85.2%	4,203	4,739	536	12.8%
86.4%	4,071	4,590	519	12.7%
87.7%	4,036	4,579	542	13.4%
88.9%	4,028	4,571	543	13.5%
90.1%	3,952	4,367	415	10.5%
91.4%	3,895	4,329	524	13.5%
92.6%	3,693	4,222	529	14.4%
93.8%	3,575	4,190	615	17.2%
95.1%	3,556	4,166	6	

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

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	-6,145	-6,593	-6,593	-3,593	-3,333	-2,961	1,076	330	-3,767	-9,072	-8,390	-8,010
DCR 2015 With Project	-6,362	-6,962	-6,735	-3,613	-3,422	-2,856	1,078	357	-3,725	-9,273	-8,987	-8,666
Difference	-217	-369	-142	-20	-89	104	2	27	42	-201	-597	-656
Percent Difference <sup>2</sup>							0.2%	8.1%				
Water Year Types <sup>2</sup>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	-6,600	-6,205	-7,399	-2,153	-2,711	-2,087	2,916	1,727	-4,425	-8,898	-10,416	-9,430
DCR 2015 With Project	-6,812	-6,573	-7,473	-2,219	-2,802	-1,954	2,924	1,766	-4,389	-8,914	-10,409	-9,110
Difference	-213	-367	-74	-65	-91	133	8	39	36	-15	7	320
Percent Difference							0.3%	2.3%				
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	-7,024	-8,021	-7,797	-3,685	-2,902	-4,108	1,332	520	-4,824	-9,833	-10,812	-9,748
DCR 2015 With Project	-7,559	-8,098	-7,809	-3,685	-2,779	-4,122	1,308	530	-4,854	-9,985	-10,729	-9,922
Difference	-535	-77	-12	0	122	-15	-25	9	-29	-152	83	-174
Percent Difference							-1.8%	1.8%				
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	-8,065	-8,224	-6,386	-4,240	-3,535	-3,974	863	76	-4,227	-10,907	-10,233	-9,414
DCR 2015 With Project	-8,498	-8,287	-6,669	-4,240	-3,726	-3,945	875	100	-4,026	-10,995	-10,446	-9,908
Difference	-433	-63	-283	0	-191	30	12	24	200	-88	-213	-494
Percent Difference							1.3%	31.3%				
<b>Dry (22%)</b>												
DCR 2015 Without Project	-5,028	-6,514	-5,364	-4,790	-4,161	-2,993	-224	-715	-3,227	-10,100	-5,832	-6,615
DCR 2015 With Project	-5,466	-7,312	-6,051	-4,817	-4,156	-2,886	-214	-700	-3,227	-10,647	-7,271	-8,378
Difference	-438	-798	-687	-28	5	107	10	15	0	-546	-1,440	-1,762
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	-3,572	-4,107	-5,587	-4,096	-3,459	-2,399	-970	-949	-1,542	-4,929	-3,240	-3,719
DCR 2015 With Project	-2,948	-4,487	-5,024	-4,053	-3,767	-2,156	-976	-909	-1,542	-5,155	-4,993	-5,460
Difference	625	-380	563	43	-307	243	-6	39	0	-226	-1,753	-1,741
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

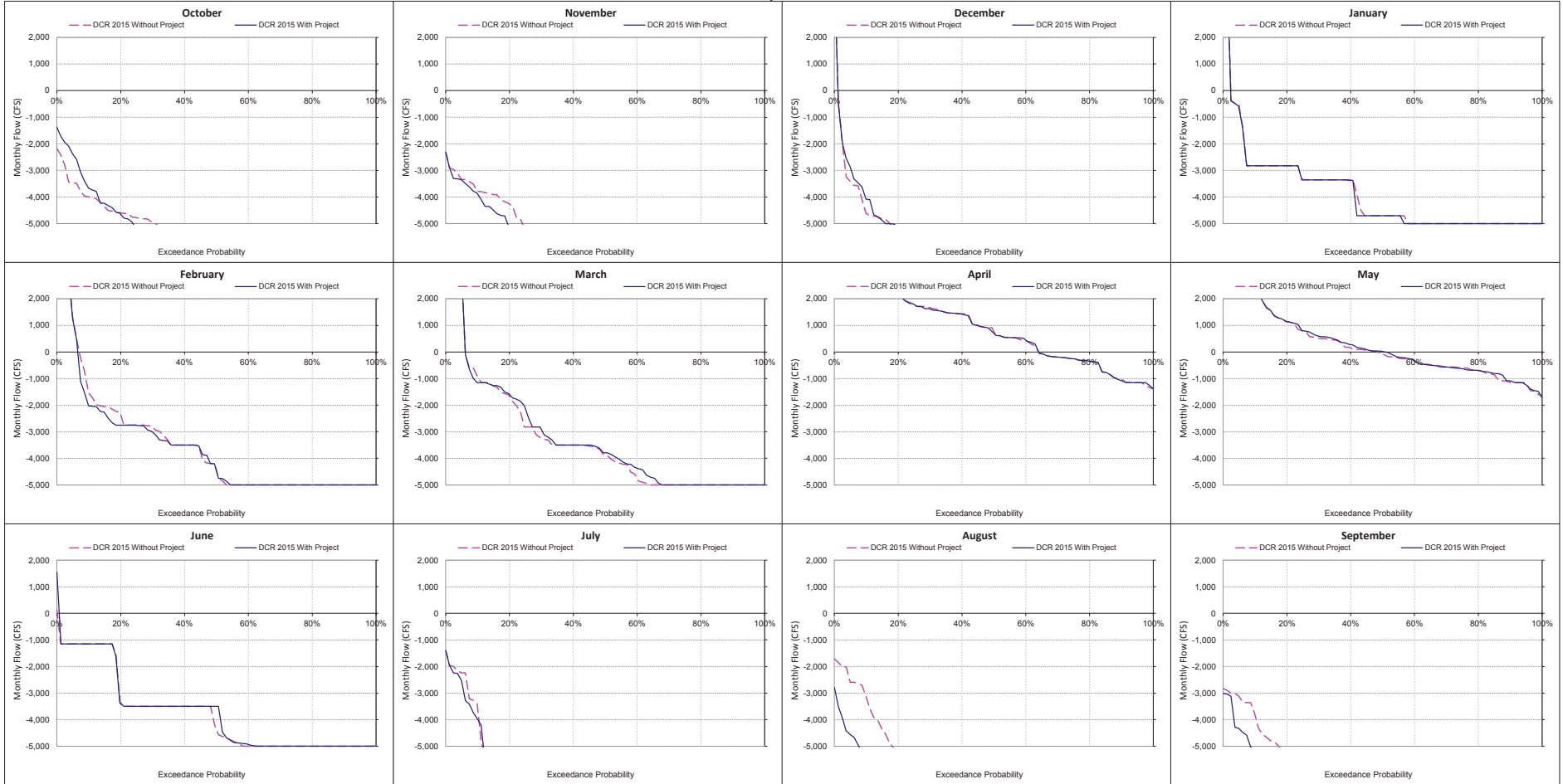


Table SW-35-b  
Old and Middle River, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,182	-1,381	800	
1.2%	-2,417	-1,732	685	
2.5%	-2,804	-1,948	856	
3.7%	-3,445	-2,085	1,360	
4.9%	-3,463	-2,381	1,082	
6.2%	-3,484	-2,589	894	
7.4%	-3,785	-3,067	718	
8.6%	-3,968	-3,408	560	
9.9%	-3,992	-3,592	400	
11.1%	-4,047	-3,732	315	
12.3%	-4,069	-3,785	284	
13.6%	-4,206	-4,224	-19	
14.8%	-4,350	-4,238	111	
16.0%	-4,514	-4,322	192	
17.3%	-4,530	-4,402	128	
18.5%	-4,577	-4,577	0	
19.8%	-4,592	-4,619	-26	
21.0%	-4,618	-4,797	-179	
22.2%	-4,618	-4,828	-210	
23.5%	-4,751	-4,832	-81	
24.7%	-4,776	-5,187	-411	
25.9%	-4,803	-5,301	-144	
27.2%	-4,820	-5,322	-502	
28.4%	-4,829	-5,334	-505	
29.6%	-4,938	-5,360	-423	
30.9%	-4,994	-5,584	-590	
32.1%	-5,132	-5,726	-595	
33.3%	-5,162	-5,791	-629	
34.6%	-5,182	-5,880	-698	
35.8%	-5,186	-5,898	-712	
37.0%	-5,243	-5,960	-717	
38.3%	-5,442	-5,988	-546	
39.5%	-5,466	-6,053	-587	
40.7%	-5,473	-6,134	-661	
42.0%	-5,511	-6,226	-715	
43.2%	-5,628	-6,389	-761	
44.4%	-5,920	-6,314	-394	
45.7%	-5,940	-6,355	-415	
46.9%	-5,943	-6,362	-418	
48.1%	-5,949	-6,370	-421	
49.4%	-5,972	-6,391	-420	
50.6%	-6,036	-6,465	-429	
51.9%	-6,077	-6,512	-435	
53.1%	-6,084	-6,644	-560	
54.3%	-6,121	-6,648	-527	
55.6%	-6,258	-6,673	-415	
56.8%	-6,289	-6,678	-389	
58.0%	-6,333	-6,732	-398	
59.3%	-6,381	-6,904	-522	
60.5%	-6,425	-6,990	-566	
61.7%	-6,460	-7,044	-584	
63.0%	-6,611	-7,120	-509	
64.2%	-6,687	-7,125	-438	
65.4%	-6,914	-7,125	-211	
66.7%	-6,928	-7,284	-355	
67.9%	-6,991	-7,391	-400	
69.1%	-7,049	-7,569	-520	
70.4%	-7,072	-7,648	-577	
71.6%	-7,111	-7,693	-572	
72.8%	-7,260	-7,700	-440	
74.1%	-7,296	-7,706	-410	
75.3%	-7,297	-7,724	-427	
76.5%	-7,313	-7,750	-437	
77.8%	-7,349	-7,773	-424	
79.0%	-7,391	-7,828	-437	
80.2%	-7,494	-7,853	-359	
81.5%	-7,832	-8,062	-231	
82.7%	-7,835	-8,308	-473	
84.0%	-8,123	-8,653	-530	
85.2%	-8,230	-8,659	-429	
86.4%	-8,529	-8,660	-131	
87.7%	-8,601	-8,828	-227	
88.9%	-8,771	-8,844	-72	
90.1%	-8,862	-8,994	-132	
91.4%	-9,055	-9,096	-41	
92.6%	-9,096	-9,177	-81	
93.8%	-9,567	-9,596	-29	
95.1%	-9,613	-9,633	-20	
96.3%	-9,616	-9,656	-39	
97.5%	-9,687	-9,684	3	
98.8%	-10,106	-10,114	-8	
100.0%	-10,402	-10,402	0	

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,313	-2,316	-2	
1.2%	-2,907	-2,908	-1	
2.5%	-2,966	-3,304	-338	
3.7%	-3,116	-3,321	-205	
4.9%	-3,342	-3,362	-20	
6.2%	-3,344	-3,492	-148	
7.4%	-3,429	-3,623	-193	
8.6%	-3,515	-3,773	-258	
9.9%	-3,785	-3,953	-168	
11.1%	-3,800	-4,097	-298	
12.3%	-3,843	-4,354	-510	
13.6%	-3,857	-4,355	-498	
14.8%	-3,911	-4,490	-579	
16.0%	-3,918	-4,823	-904	
17.3%	-4,103	-4,696	-593	
18.5%	-4,181	-4,715	-534	
19.8%	-4,244	-5,123	-879	
21.0%	-4,354	-5,181	-828	
22.2%	-4,777	-5,189	-412	
23.5%	-4,832	-5,218	-385	
24.7%	-5,175	-5,430	-256	
25.9%	-5,290	-5,434	-144	
27.2%	-5,341	-5,470	-128	
28.4%	-5,360	-5,626	-266	
29.6%	-5,392	-5,799	-407	
30.9%	-5,501	-5,886	-385	
32.1%	-5,504	-6,136	-631	
33.3%	-5,638	-6,168	-530	
34.6%	-5,648	-6,175	-527	
35.8%	-5,832	-6,162	-330	
37.0%	-5,841	-6,235	-394	
38.3%	-5,851	-6,313	-462	
39.5%	-5,939	-6,333	-394	
40.7%	-5,951	-6,418	-467	
42.0%	-6,064	-6,442	-378	
43.2%	-6,095	-6,509	-414	
44.4%	-6,123	-6,536	-413	
45.7%	-6,155	-6,719	-564	
46.9%	-6,236	-6,742	-506	
48.1%	-6,251	-6,764	-513	
49.4%	-6,377	-6,801	-425	
50.6%	-6,428	-6,816	-388	
51.9%	-6,483	-6,825	-342	
53.1%	-6,516	-6,896	-379	
54.3%	-6,534	-6,907	-372	
55.6%	-6,591	-6,945	-354	
56.8%	-6,615	-7,000	-386	
58.0%	-6,673	-7,095	-422	
59.3%	-6,776	-7,280	-504	
60.5%	-6,810	-7,292	-481	
61.7%	-6,904	-7,393	-489	
63.0%	-7,006	-7,488	-483	
64.2%	-7,091	-7,605	-514	
65.4%	-7,165	-7,625	-461	
66.7%	-7,229	-7,771	-542	
67.9%	-7,377	-7,775	-399	
69.1%	-7,390	-7,819	-428	
70.4%	-7,445	-8,066	-621	
71.6%	-7,540	-8,217	-677	
72.8%	-7,786	-8,561	-775	
74.1%	-7,848	-9,025	-1,176	
75.3%	-8,307	-9,072	-764	
76.5%	-8,392	-9,081	-689	
77.8%	-8,909	-9,319	-410	
79.0%	-9,171	-9,458	-287	
80.2%	-9,394	-9,754	-360	
81.5%	-9,454	-9,783	-328	
82.7%	-9,544	-9,810	-266	
84.0%	-9,751	-9,852	-100	
85.2%	-9,763	-9,868	-105	
86.4%	-9,852	-10,018	-166	
87.7%	-9,888	-10,021	-134	
88.9%	-10,023	-10,029	-6	
90.1%	-10,029	-10,152	-123	
91.4%	-10,130	-10,159	-29	
92.6%	-10,152	-10,218	-66	
93.8%	-10,170	-10,238	-68	
95.1%	-10,180	-10,260	-80	
96.3%	-10,223	-10,264	-41	
97.5%	-10,258	-10,266	-8	
98.8%	-10,266	-10,282	-16	
100.0%	-10,445	-10,445	0	

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,686	4,394	-292	-6.2%
1.2%	-466	-490	-24	
2.5%	-1,946	-1,964	-18	
3.7%	-3,243	-2,541	701	
4.9%	-3,409	-2,858	551	
6.2%	-3,568	-3,331	237	
7.4%	-3,577	-3,466	111	
8.6%	-4,602	-3,630	972	
9.9%	-4,606	-4,090	517	
11.1%	-4,710	-4,097	614	
12.3%	-4,717	-4,670	47	
13.6%	-4,743	-4,759	-16	
14.8%	-4,820	-4,861	-41	
16.0%	-4,832	-5,002	-169	
17.3%	-4,987	-5,008	-21	
18.5%	-5,201	-5,011	190	
19.8%	-5,264	-5,095	168	
21.0%	-5,316	-5,225	91	
22.2%	-5,336	-5,344	-8	
23.5%	-2,389	-2,561	-172	
24.7%	-5,419	-5,871	-452	
25.9%	-5,520	-5,871	-351	
27.2%	-5,833	-5,871	-38	
28.4%	-5,871	-5,871	0	
29.6%	-5,871	-5,871	0	
30.9%	-5,871	-5,871	0	
32.1%	-5,871	-5,871	0	
33.3%	-5,871	-5,871	0	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,871	-5,871	0	
50.6%	-5,871	-5,871	0	
51.9%	-5,871	-6,112	-241	
53.1%	-5,871	-6,185	-314	
54.3%	-5,871	-6,229	-358	
55.6%	-5,872	-6,282	-411	
56.8%	-5,893	-6,428	-534	
58.0%	-5,938	-6,431	-492	
59.3%	-6,401	-6,554	-153	
60.5%	-6,513	-6,627	-114	
61.7%	-6,697	-6,720	-23	
63.0%	-6,799	-7,767	-968	
64.2%	-6,830	-7,961	-1,131	
65.4%	-6,889	-8,768	-1,879	
66.7%	-7,090	-8,901	-1,811	
67.9%	-7,717	-9,270	-1,554	
69.1%	-8,261	-9,374	-1,114	
70.4%	-8,527	-9,398	-871	
71.6%	-8,932	-9,399	-468	
72.8%	-9,068	-9,406	-338	
74.1%	-9,155	-9,416	-260	
75.3%	-9,355	-9,462	-107	
76.5%	-9,368	-9,483	-114	
77.8%	-9,462	-9,487	-26	
79.0%	-9,476	-9,491	-15	
80.2%	-9,494	-9,567	-73	
81.5%	-9,562	-9,600	-38	
82.7%	-9,567	-9,620	-53	
84.0%	-9,620	-9,667	-47	
85.2%	-9,659	-9,680	-21	
86.4%	-9,677	-9,680	-3	
87.7%	-9,680	-9,681	-1	
88.9%	-9,681	-9,684	-2	
90.1%	-9,684	-9,697	-14	
91.4%	-9,697	-9,704	-7	
92.6%	-9,704	-9,720	-17	
93.8%	-9,707	-9,746	-39	
95.1%	-9,720	-9,749	-29	
96.3%	-9,746	-9,763	-17	
97.5%	-9,763	-9,810	-47	
98.8%	-9,810	-9,838	-28	
100.0%	-10,104	-10,104	0	

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,817	24,789	-28	-0.1%
1.2%	5,037	4,863	-175	-3.5%
2.5%	-366	-386	-21	
3.7%	-482	-482	0	
4.9%	-501	-589	-88	
6.2%	-1,395	-1,422	-27	
7.4%	-2,823	-2,823	0	
8.6%	-2,823	-2,823	0	
9.9%	-2,823	-2,823	0	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823		

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

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	14,508	13,830	-679	-4.7%	
1.2%	5,492	5,830	338	6.1%	
2.5%	4,501	3,141	-1,360	-30.2%	
3.7%	2,998	2,902	-96	-3.2%	
4.9%	1,297	1,259	-38	-2.9%	
6.2%	491	460	-31	-6.4%	
7.4%	-220	-1,120	-900		
8.6%	-713	-1,531	-818		
9.9%	-1,531	-2,927	-1,496		
11.1%	-1,722	-2,044	-322		
12.3%	-1,984	-2,054	-70		
13.6%	-2,027	-2,233	-206		
14.8%	-2,053	-2,268	-215		
16.0%	-2,054	-2,497	-443		
17.3%	-2,155	-2,660	-505		
18.5%	-2,233	-2,750	-517		
19.8%	-2,268	-2,750	-482		
21.0%	-2,750	-2,750	0		
22.2%	-2,750	-2,750	0		
23.5%	-2,750	-2,750	0		
24.7%	-2,750	-2,750	0		
25.9%	-2,750	-2,750	-26		
27.2%	-2,776	-2,931	-155		
28.4%	-2,776	-3,109	-333		
29.7%	-2,931	-3,109	-178		
30.9%	-2,983	-3,303	-320		
32.1%	-3,127	-3,328	-200		
33.3%	-3,288	-3,339	-51		
34.6%	-3,500	-3,500	0		
35.8%	-3,500	-3,500	0		
37.0%	-3,500	-3,500	0		
38.3%	-3,500	-3,500	0		
39.5%	-3,500	-3,500	0		
40.7%	-3,500	-3,500	0		
42.0%	-3,500	-3,500	0		
43.2%	-3,500	-3,500	0		
44.4%	-3,527	-3,527	0		
45.7%	-4,074	-3,869	205		
46.9%	-4,180	-3,883	296		
48.1%	-4,196	-4,196	0		
49.4%	-4,196	-4,196	0		
50.6%	-4,737	-4,746	-9		
51.9%	-4,844	-4,760	84		
53.1%	-5,000	-4,864	136		
54.3%	-5,000	-5,000	0		
55.6%	-5,000	-5,000	0		
56.8%	-5,000	-5,000	0		
58.0%	-5,000	-5,000	0		
59.3%	-5,000	-5,000	0		
60.5%	-5,000	-5,000	0		
61.7%	-5,000	-5,000	0		
63.0%	-5,000	-5,000	0		
64.2%	-5,000	-5,000	0		
65.4%	-5,000	-5,000	0		
66.7%	-5,000	-5,000	0		
67.9%	-5,000	-5,000	0		
69.1%	-5,000	-5,000	0		
70.4%	-5,000	-5,000	0		
71.6%	-5,000	-5,000	0		
72.8%	-5,000	-5,000	0		
74.1%	-5,000	-5,000	0		
75.3%	-5,000	-5,000	0		
76.5%	-5,000	-5,000	0		
77.8%	-5,000	-5,000	0		
79.0%	-5,000	-5,000	0		
80.2%	-5,000	-5,000	0		
81.5%	-5,000	-5,000	0		
82.7%	-5,000	-5,000	0		
84.0%	-5,000	-5,000	0		
85.2%	-5,000	-5,000	0		
86.4%	-5,000	-5,000	0		
87.7%	-5,000	-5,000	0		
88.9%	-5,000	-5,000	0		
90.1%	-5,000	-5,000	0		
91.4%	-5,000	-5,000	0		
92.6%	-5,000	-5,000	0		
93.8%	-5,000	-5,000	0		
95.1%	-5,000	-5,000	0		
96.3%	-5,000	-5,000	0		
97.5%	-5,000	-5,000	0		
98.8%	-5,000	-5,000	0		
100.0%	-5,000	-5,000	0		

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	25,288	25,264	-24	-0.1%	
1.2%	8,164	8,848	684	8.4%	
2.5%	5,452	6,053	601	11.0%	
3.7%	3,729	5,178	1,449	38.9%	
4.9%	3,217	3,079	-138	-4.3%	
6.2%	-108	-108	0		
7.4%	-582	-660	-78		
8.6%	-596	-989	-392		
9.9%	-899	-1,150	-251		
11.1%	-1,150	-1,150	-1		
12.3%	-1,150	-1,150	0		
13.6%	-1,150	-1,207	-56		
14.8%	-1,269	-1,269	0		
16.0%	-1,328	-1,269	59		
17.3%	-1,506	-1,328	178		
18.5%	-1,566	-1,506	59		
19.8%	-1,617	-1,566	51		
21.0%	-1,867	-1,734	133		
22.2%	-2,024	-1,776	249		
23.5%	-2,255	-1,853	402		
24.7%	-2,823	-2,024	798		
25.9%	-2,823	-2,466	357		
27.2%	-2,823	-2,823	0		
28.4%	-3,113	-2,823	290		
29.7%	-3,219	-2,823	397		
30.9%	-3,287	-3,113	174		
32.1%	-3,306	-3,200	106		
33.3%	-3,500	-3,315	185		
34.6%	-3,500	-3,500	0		
35.8%	-3,500	-3,500	0		
37.0%	-3,500	-3,500	0		
38.3%	-3,500	-3,500	0		
39.5%	-3,500	-3,500	0		
40.7%	-3,500	-3,500	0		
42.0%	-3,500	-3,500	0		
43.2%	-3,500	-3,500	0		
44.4%	-3,527	-3,500	27		
45.7%	-3,549	-3,500	49		
46.9%	-3,603	-3,548	55		
48.1%	-3,645	-3,608	39		
49.4%	-3,854	-3,790	64		
50.6%	-3,887	-3,793	95		
51.9%	-4,032	-3,854	178		
53.1%	-4,122	-3,941	181		
54.3%	-4,173	-4,032	141		
55.6%	-4,224	-4,142	81		
56.8%	-4,226	-4,207	19		
58.0%	-4,516	-4,226	290		
59.3%	-4,593	-4,344	249		
60.5%	-4,857	-4,389	468		
61.7%	-4,902	-4,429	473		
63.0%	-4,943	-4,639	304		
64.2%	-5,000	-4,712	288		
65.4%	-5,000	-4,747	253		
66.7%	-5,000	-4,925	75		
67.9%	-5,000	-5,000	0		
69.1%	-5,000	-5,000	0		
70.4%	-5,000	-5,000	0		
71.6%	-5,000	-5,000	0		
72.8%	-5,000	-5,000	0		
74.1%	-5,000	-5,000	0		
75.3%	-5,000	-5,000	0		
76.5%	-5,000	-5,000	0		
77.8%	-5,000	-5,000	0		
79.0%	-5,000	-5,000	0		
80.2%	-5,000	-5,000	0		
81.5%	-5,000	-5,000	0		
82.7%	-5,000	-5,000	0		
84.0%	-5,000	-5,000	0		
85.2%	-5,000	-5,000	0		
86.4%	-5,000	-5,000	0		
87.7%	-5,000	-5,000	0		
88.9%	-5,000	-5,000	0		
90.1%	-5,000	-5,000	0		
91.4%	-5,000	-5,000	0		
92.6%	-5,000	-5,000	0		
93.8%	-5,000	-5,000	0		
95.1%	-5,000	-5,000	0		
96.3%	-5,000	-5,000	0		
97.5%	-5,000	-5,000	0		
98.8%	-5,000	-5,000	0		
100.0%	-5,000	-5,000	0		

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	8,106	8,067	-39	-0.5%	
1.2%	6,904	7,475	570	8.3%	
2.5%	6,123	6,110	-13	-0.2%	
3.7%	5,369	5,410	41	0.8%	
4.9%	5,369	5,340	-29	-0.5%	
6.2%	4,792	4,778	-14	-0.3%	
7.4%	3,968	3,939	-29	-0.7%	
8.6%	3,157	3,146	-11	-0.3%	
9.9%	3,053	3,045	-7	-0.2%	
11.1%	2,821	2,821	0	0.0%	
12.3%	2,809	2,807	-2	-0.1%	
13.6%	2,795	2,779	-16	-0.6%	
14.8%	2,427	2,427	0	0.0%	
16.0%	2,296	2,296	0	0.0%	
17.3%	2,227	2,227	1	0.0%	
18.5%	2,211	2,207	-4	-0.2%	
19.8%	2,207	2,206	-1	0.0%	
21.0%	2,068	2,068	0	0.0%	
22.2%	1,918	1,918	0	0.0%	
23.5%	1,870	1,827	-43	-2.3%	
24.7%	1,827	1,806	-21	-1.1%	
25.9%	1,714	1,715	1	0.0%	
27.2%	1,713	1,713	0	0.0%	
28.4%	1,711	1,633	-79	-4.6%	
29.7%	1,678	1,678	0	0.0%	
30.9%	1,628	1,569	-60	-3.7%	
32.1%	1,607	1,565	-43	-2.6%	
33.3%	1,565	1,544	-21	-1.3%	
34.6%	1,496	1,496	0	0.0%	
35.8%	1,471	1,460	-10	-0.7%	
37.0%	1,460	1,456	-4	-0.2%	
38.3%	1,457	1,438	-18	-1.3%	
39.5%	1,438	1,426	-12	-0.8%	
40.7%	1,435	1,400	-35	-2.4%	
42.0%	1,426	1,361	-64	-4.5%	
43.2%	1,056	1,056	0	0.0%	
44.4%	1,044	1,005	-39	-3.7%	
45.7%	960	960	0	0.0%	
46.9%	936	936	0	0.0%	
48.1%	925	908	-17	-1.8%	
49.4%	908	772	-136	-14.9%	
50.6%	820	820	0	0.0%	
51.9%	611	611	0	0.0%	
53.1%	555	555	0	0.0%	
54.3%	546	546	0	0.0%	
55.6%	540	540	0	0.0%	
56.8%	536	536	0	0.0%	
58.0%	498	535	36	7.2%	
59.3%	444	512	68	15.3%	
60.5%	399	398	-1	-0.1%	
61.7%	289	362	72	25.0%	
63.0%	224	289	66	29.3%	
64.2%	48	48	0	0.0%	
65.4%	-82	-81	1	0.0%	
66.7%	-144	-144	0	0.0%	
67.9%	-170	-170	0	0.0%	
69.1%	-178	-185	-7	-3.9%	
70.4%	-198	-198	0	0.0%	
71.6%	-203	-203	0	0.0%	
72.8%	-227	-227	0	0.0%	
74.1%	-240	-242	-2	-0.8%	
75.3%	-255	-255	0	0.0%	
76.5%	-303	-303	0	0.0%	
77.8%	-327	-326	1	0.3%	
79.0%	-327	-327	0	0.0%	
80.2%	-352	-352	0	0.0%	
81.5%	-375	-375	0	0.0%	
82.7%	-394	-394	0	0.0%	
84.0%	-751	-752	-1	-0.1%	
85.2%	-764	-764	0	0.0%	
86.4%	-854	-854	0	0.0%	
87.7%	-965	-966	-1	-0.1%	
88.9%	-1,012	-1,033	-21	-2.1%	
90.1%	-1,033	-1,086	-52	-5.0%	
91.4%	-1,143	-1,149	-6	-0.5%	
92.6%	-1,150	-1,150	0	0.0%	
93.8%	-1,150	-1,150			

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

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	143	1,547	1,405	984.4%
1.2%	-1,150	-1,150	0	
2.5%	-1,150	-1,150	0	
3.7%	-1,150	-1,150	0	
4.9%	-1,150	-1,150	0	
6.2%	-1,150	-1,150	0	
7.4%	-1,150	-1,150	0	
8.6%	-1,150	-1,150	0	
9.9%	-1,150	-1,150	0	
11.1%	-1,150	-1,150	0	
12.3%	-1,150	-1,150	0	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,150	0	
16.0%	-1,150	-1,150	0	
17.3%	-1,150	-1,150	0	
18.5%	-1,578	-1,620	-42	
19.8%	-3,337	-3,379	-43	
21.0%	-3,497	-3,500	-3	
22.2%	-3,500	-3,500	0	
23.5%	-3,500	-3,500	0	
24.7%	-3,500	-3,500	0	
25.9%	-3,500	-3,500	0	
27.2%	-3,500	-3,500	0	
28.4%	-3,500	-3,500	0	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-4,186	-3,500	686	
50.6%	-4,569	-3,500	1,069	
51.9%	-4,631	-4,467	164	
53.1%	-4,673	-4,676	-2	
54.3%	-4,764	-4,778	-14	
55.6%	-4,822	-4,867	-44	
56.8%	-4,883	-4,879	4	
58.0%	-4,882	-4,882	0	
59.3%	-5,000	-4,908	92	
60.5%	-5,000	-4,960	40	
61.7%	-5,000	-4,983	17	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,394	-1,408	-14	
1.2%	-1,962	-1,966	-4	
2.5%	-1,998	-2,243	-245	
3.7%	-2,172	-2,256	-84	
4.9%	-2,239	-2,531	-292	
6.2%	-2,242	-3,285	-1,043	
7.4%	-3,210	-3,414	-204	
8.6%	-3,272	-3,728	-456	
9.9%	-3,397	-3,959	-562	
11.1%	-4,815	-4,203	612	
12.3%	-5,405	-5,617	-211	
13.6%	-5,602	-5,975	-374	
14.8%	-5,678	-6,097	-419	
16.0%	-5,858	-6,820	-962	
17.3%	-6,075	-7,294	-1,219	
18.5%	-6,385	-7,987	-1,602	
19.8%	-7,363	-8,054	-692	
21.0%	-8,029	-8,193	-164	
22.2%	-8,245	-8,245	0	
23.5%	-8,339	-8,365	-26	
24.7%	-8,384	-8,604	-219	
25.9%	-8,737	-8,819	-82	
27.2%	-8,859	-8,859	0	
28.4%	-8,870	-9,106	-236	
29.6%	-9,106	-9,106	0	
30.9%	-9,165	-9,217	-52	
32.1%	-9,243	-9,243	0	
33.3%	-9,262	-9,656	-394	
34.6%	-9,463	-9,702	-239	
35.8%	-9,501	-9,722	-221	
37.0%	-9,692	-9,881	-189	
38.3%	-9,701	-9,896	-194	
39.5%	-9,711	-9,970	-259	
40.7%	-9,757	-9,983	-226	
42.0%	-9,884	-10,013	-128	
43.2%	-9,906	-10,092	-186	
44.4%	-10,030	-10,103	-73	
45.7%	-10,063	-10,120	-58	
46.9%	-10,096	-10,127	-31	
48.1%	-10,104	-10,149	-45	
49.4%	-10,127	-10,200	-73	
50.6%	-10,149	-10,269	-120	
51.9%	-10,187	-10,404	-216	
53.1%	-10,197	-10,466	-270	
54.3%	-10,250	-10,480	-231	
55.6%	-10,269	-10,553	-284	
56.8%	-10,316	-10,562	-246	
58.0%	-10,361	-10,619	-257	
59.3%	-10,451	-10,621	-170	
60.5%	-10,480	-10,654	-173	
61.7%	-10,509	-10,710	-201	
63.0%	-10,553	-10,871	-318	
64.2%	-10,702	-10,894	-192	
65.4%	-10,710	-10,897	-187	
66.7%	-10,733	-10,990	-258	
67.9%	-10,807	-11,088	-281	
69.1%	-10,860	-11,113	-253	
70.4%	-10,897	-11,129	-232	
71.6%	-10,912	-11,137	-225	
72.8%	-10,974	-11,159	-185	
74.1%	-11,013	-11,187	-174	
75.3%	-11,088	-11,236	-148	
76.5%	-11,113	-11,260	-147	
77.8%	-11,129	-11,312	-183	
79.0%	-11,142	-11,334	-192	
80.2%	-11,188	-11,335	-147	
81.5%	-11,305	-11,348	-43	
82.7%	-11,333	-11,381	-47	
84.0%	-11,350	-11,411	-61	
85.2%	-11,381	-11,418	-37	
86.4%	-11,410	-11,428	-18	
87.7%	-11,417	-11,433	-16	
88.9%	-11,428	-11,450	-22	
90.1%	-11,450	-11,478	-28	
91.4%	-11,477	-11,500	-23	
92.6%	-11,500	-11,529	-29	
93.8%	-11,528	-11,538	-9	
95.1%	-11,541	-11,590	-50	
96.3%	-11,581	-11,595	-15	
97.5%	-11,595	-11,596	-1	
98.8%	-11,611	-11,261	350	
100.0%	-11,630	-11,796	-166	

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,714	-2,786	-1,072	
1.2%	-1,847	-3,507	-1,660	
2.5%	-2,011	-3,942	-1,931	
3.7%	-2,012	-4,422	-2,409	
4.9%	-2,592	-4,556	-1,964	
6.2%	-2,593	-4,663	-2,069	
7.4%	-2,637	-4,942	-2,305	
8.6%	-2,708	-5,236	-2,528	
9.9%	-3,116	-5,282	-2,166	
11.1%	-3,579	-5,518	-1,938	
12.3%	-3,915	-5,734	-1,819	
13.6%	-4,021	-5,818	-1,797	
14.8%	-4,328	-6,056	-1,728	
16.0%	-4,545	-6,139	-1,593	
17.3%	-4,874	-6,184	-1,310	
18.5%	-5,057	-6,321	-1,265	
19.8%	-5,236	-6,332	-1,096	
21.0%	-5,354	-6,512	-1,158	
22.2%	-5,388	-6,702	-1,314	
23.5%	-5,773	-6,773	-1,102	
24.7%	-5,917	-6,917	-1,000	
25.9%	-6,043	-7,081	-1,037	
27.2%	-6,120	-7,125	-1,005	
28.4%	-6,302	-7,129	-827	
29.6%	-6,598	-7,261	-663	
30.9%	-6,654	-7,350	-696	
32.1%	-7,001	-7,407	-407	
33.3%	-7,101	-7,916	-815	
34.6%	-7,131	-8,500	-1,369	
35.8%	-7,261	-8,633	-1,372	
37.0%	-8,095	-9,313	-1,218	
38.3%	-8,908	-9,539	-631	
39.5%	-9,313	-9,581	-268	
40.7%	-9,770	-9,770	0	
42.0%	-9,777	-9,777	0	
43.2%	-9,787	-9,787	0	
44.4%	-9,859	-10,003	-144	
45.7%	-9,874	-10,124	-251	
46.9%	-9,895	-10,186	-291	
48.1%	-10,167	-10,223	-56	
49.4%	-10,172	-10,236	-64	
50.6%	-10,223	-10,335	-112	
51.9%	-10,237	-10,535	-298	
53.1%	-10,350	-10,581	-231	
54.3%	-10,525	-10,589	-63	
55.6%	-10,536	-10,603	-67	
56.8%	-10,570	-10,607	-38	
58.0%	-10,572	-10,621	-49	
59.3%	-10,580	-10,634	-54	
60.5%	-10,589	-10,637	-48	
61.7%	-10,603	-10,662	-59	
63.0%	-10,607	-10,677	-70	
64.2%	-10,621	-10,694	-73	
65.4%	-10,662	-10,698	-36	
66.7%	-10,667	-10,725	-58	
67.9%	-10,677	-10,727	-50	
69.1%	-10,698	-10,744	-45	
70.4%	-10,724	-10,755	-31	
71.6%	-10,727	-10,759	-32	
72.8%	-10,744	-10,769	-25	
74.1%	-10,755	-10,770	-15	
75.3%	-10,759	-10,787	-28	
76.5%	-10,770	-10,790	-20	
77.8%	-10,786	-10,805	-19	
79.0%	-10,790	-10,859	-69	
80.2%	-10,859	-10,885	-26	
81.5%	-10,885	-10,933	-48	
82.7%	-10,903	-10,988	-84	
84.0%	-10,933	-11,032	-98	
85.2%	-10,988	-11,080	-93	
86.4%	-11,000	-11,083	-83	
87.7%	-11,031	-11,096	-65	
88.9%	-11,080	-11,127	-47	
90.1%	-11,083	-11,137	-54	
91.4%	-11,099	-11,152	-53	
92.6%	-11,126	-11,162	-36	
93.8%	-11,129	-11,223	-94	
95.1%	-11,137	-11,225	-88	
96.3%	-11,162	-11,228	-67	
97.5%	-11,166	-11,244	-79	
98.8%	-11,261	-11,261	0	
100.0%	-11,302	-11,302	0	

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,828	-3,005	-177	
1.2%	-2,896	-3,043	-147	
2.5%	-2,907	-3,120	-123	
3.7%	-3,008	-4,285	-1,277	
4.9%	-3,115	-4,322	-1,217	
6.2%	-3,352	-4,472	-1,120	
7.4%	-3,358	-4,588	-1,230	
8.6%	-3,361	-5,025	-1,665	
9.9%	-3,782	-5,149	-1,387	
11.1%	-4,			

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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6,879	7,451	8,875	6,822	7,219	7,091	2,379	2,061	5,029	9,951	9,009	9,000
DCR 2015 With Project	7,115	7,836	9,030	6,846	7,313	6,976	2,369	2,057	4,983	10,177	9,643	9,711
Difference	236	385	155	25	94	-115	-9	-4	-46	226	635	711
Percent Difference <sup>2</sup>	3.4%	5.2%	1.7%	0.4%	1.3%	-1.6%	-0.4%	-0.2%	-0.9%	2.3%	7.0%	7.9%
<b>Water Year Types<sup>3</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7,612	7,364	10,600	8,116	9,469	9,748	3,363	3,064	7,921	11,430	11,697	10,876
DCR 2015 With Project	7,855	7,759	10,678	8,172	9,556	9,602	3,331	3,056	7,869	11,452	11,702	10,532
Difference	243	395	78	56	87	-146	-31	-9	-52	22	5	-344
Percent Difference	3.2%	5.4%	0.7%	0.7%	0.9%	-1.5%	-0.9%	-0.3%	-0.7%	0.2%	0.0%	-3.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	7,998	9,050	9,997	6,525	7,045	8,445	2,156	1,679	6,232	10,670	11,597	10,728
DCR 2015 With Project	8,527	9,113	10,027	6,518	6,924	8,457	2,154	1,679	6,261	10,875	11,525	10,961
Difference	529	63	29	-6	-121	12	-1	0	29	205	-72	233
Percent Difference	6.6%	0.7%	0.3%	-0.1%	-1.7%	0.1%	-0.1%	0.0%	0.5%	1.9%	-0.6%	2.2%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	8,919	9,116	8,843	6,304	6,814	7,003	1,998	1,572	4,591	11,235	10,856	10,468
DCR 2015 With Project	9,364	9,150	9,155	6,317	7,024	6,910	1,998	1,572	4,374	11,359	11,087	11,006
Difference	445	34	312	13	210	-33	0	-1	-217	124	231	538
Percent Difference	5.0%	0.4%	3.5%	0.2%	3.1%	-0.5%	0.0%	0.0%	-4.7%	1.1%	2.1%	5.1%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5,536	7,206	7,014	6,495	5,971	4,785	1,892	1,638	3,067	10,075	5,977	7,336
DCR 2015 With Project	6,015	8,051	7,760	6,536	5,965	4,667	1,893	1,660	3,067	10,666	7,482	9,231
Difference	478	845	747	41	-5	-118	1	22	0	591	1,506	1,896
Percent Difference	8.6%	11.7%	10.6%	0.6%	-0.1%	-2.5%	0.0%	1.4%	0.0%	5.9%	25.2%	25.8%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	3,806	4,465	6,842	5,410	4,861	3,540	1,643	1,476	1,012	4,347	2,991	3,991
DCR 2015 With Project	3,123	4,870	6,222	5,386	5,199	3,274	1,650	1,433	1,036	4,606	4,860	5,888
Difference	-683	405	-620	-24	337	-266	7	-43	24	260	1,869	1,896
Percent Difference	-17.9%	9.1%	-9.1%	-0.4%	6.9%	-7.5%	0.4%	-2.9%	2.4%	6.0%	62.5%	47.5%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





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

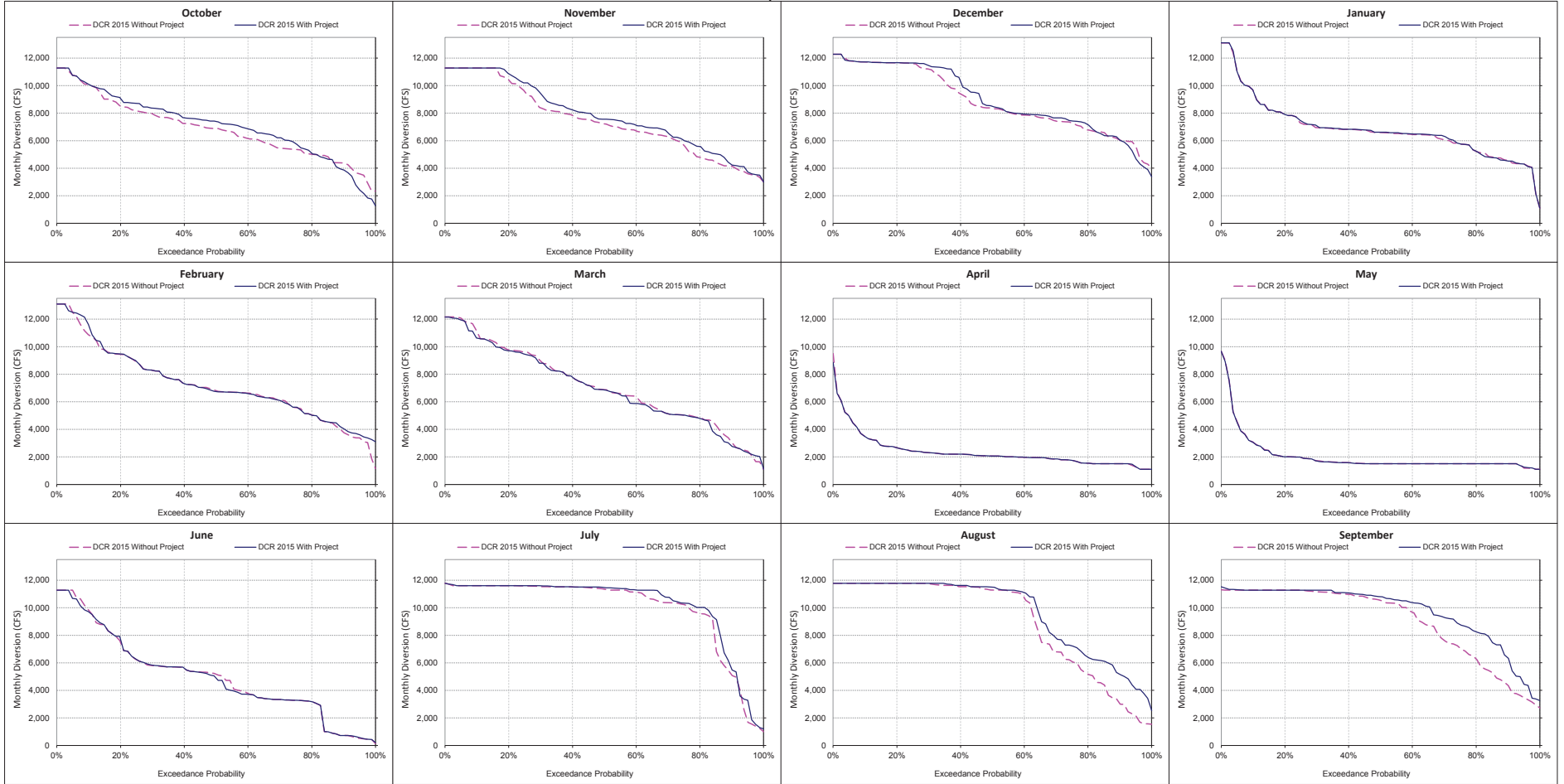


Table SW-36-b  
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP), Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,280	11,280	0	0.0%	
1.2%	11,280	11,280	0	0.0%	
2.5%	11,280	11,280	0	0.0%	
3.7%	11,056	11,280	224	2.0%	
4.9%	10,754	10,734	-20	-0.2%	
6.2%	10,687	10,692	5	0.1%	
7.4%	10,383	10,414	31	0.3%	
8.6%	10,115	10,270	154	1.5%	
9.9%	10,083	10,112	29	0.3%	
11.1%	9,960	9,976	16	0.2%	
12.3%	9,845	9,872	27	0.3%	
13.6%	9,478	9,769	291	3.1%	
14.8%	9,023	9,745	722	8.0%	
16.0%	9,020	9,478	458	5.1%	
17.3%	8,915	9,256	341	3.8%	
18.5%	8,810	9,200	390	4.4%	
19.8%	8,540	9,144	604	7.1%	
21.0%	8,456	8,781	325	3.8%	
22.2%	8,420	8,775	356	4.2%	
23.5%	8,251	8,731	480	5.8%	
24.7%	8,185	8,718	533	6.5%	
25.9%	8,116	8,705	589	7.3%	
27.2%	8,066	8,456	390	4.8%	
28.4%	8,000	8,454	454	5.7%	
29.6%	7,988	8,398	410	5.1%	
30.9%	7,844	8,355	510	6.5%	
32.1%	7,717	8,313	597	7.7%	
33.3%	7,691	8,297	606	7.9%	
34.6%	7,690	8,078	388	5.0%	
35.8%	7,622	8,054	432	5.7%	
37.0%	7,491	8,000	509	6.8%	
38.3%	7,480	7,903	423	5.7%	
39.5%	7,254	7,684	429	5.9%	
40.7%	7,248	7,629	381	5.3%	
42.0%	7,235	7,622	387	5.3%	
43.2%	7,152	7,604	453	6.3%	
44.4%	7,110	7,567	457	6.4%	
45.7%	7,027	7,501	474	6.8%	
46.9%	6,933	7,490	557	8.0%	
48.1%	6,901	7,433	532	7.7%	
49.4%	6,880	7,423	543	7.9%	
50.6%	6,880	7,373	494	7.2%	
51.9%	6,781	7,225	444	6.5%	
53.1%	6,722	7,209	487	7.2%	
54.3%	6,687	7,203	516	7.7%	
55.6%	6,598	7,149	551	8.4%	
56.8%	6,518	7,093	574	8.8%	
58.0%	6,306	6,979	672	10.7%	
59.3%	6,203	6,916	713	11.5%	
60.5%	6,126	6,834	708	11.6%	
61.7%	6,121	6,757	636	10.4%	
63.0%	6,062	6,650	588	9.7%	
64.2%	5,961	6,551	590	9.9%	
65.4%	5,834	6,505	671	11.5%	
66.7%	5,772	6,458	686	11.9%	
67.9%	5,632	6,390	758	13.5%	
69.1%	5,485	6,215	730	13.3%	
70.4%	5,458	6,206	748	13.7%	
71.6%	5,429	6,033	603	11.1%	
72.8%	5,404	6,012	608	11.3%	
74.1%	5,372	5,917	546	10.2%	
75.3%	5,362	5,735	374	7.0%	
76.5%	5,330	5,475	145	2.7%	
77.8%	5,070	5,398	328	6.5%	
79.0%	5,048	5,306	258	5.1%	
80.2%	5,010	5,039	28	0.6%	
81.5%	4,990	4,990	0	0.0%	
82.7%	4,929	4,818	-110	-2.2%	
84.0%	4,929	4,743	-186	-3.8%	
85.2%	4,823	4,652	-171	-3.6%	
86.4%	4,403	4,638	235	5.3%	
87.7%	4,398	4,112	-286	-6.5%	
88.9%	4,395	3,957	-437	-10.0%	
90.1%	4,379	3,871	-508	-11.6%	
91.4%	4,255	3,658	-598	-13.9%	
92.6%	3,957	3,420	-538	-13.6%	
93.8%	3,671	4,278	607	16.5%	
95.1%	3,585	2,422	-1,164	-32.5%	
96.3%	3,497	2,174	-1,323	-37.8%	
97.5%	2,920	1,946	-974	-33.4%	
98.8%	2,350	1,767	-583	-24.8%	
100.0%	2,341	1,277	-1,064	-45.4%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,280	11,280	0	0.0%	
1.2%	11,280	11,280	0	0.0%	
2.5%	11,280	11,280	0	0.0%	
3.7%	11,280	11,280	0	0.0%	
4.9%	11,280	11,280	0	0.0%	
6.2%	11,280	11,280	0	0.0%	
7.4%	11,280	11,280	0	0.0%	
8.6%	11,280	11,280	0	0.0%	
9.9%	11,280	11,280	0	0.0%	
11.1%	11,280	11,280	0	0.0%	
12.3%	11,280	11,280	0	0.0%	
13.6%	11,280	11,280	0	0.0%	
14.8%	11,280	11,280	0	0.0%	
16.0%	11,280	11,280	0	0.0%	
17.3%	10,716	11,280	564	5.3%	
18.5%	10,629	11,176	547	5.2%	
19.8%	10,470	10,899	430	4.1%	
21.0%	10,157	10,714	557	5.5%	
22.2%	10,131	10,572	441	4.4%	
23.5%	9,902	10,350	448	4.5%	
24.7%	9,661	10,207	546	5.7%	
25.9%	9,297	10,199	903	9.7%	
27.2%	9,222	9,966	744	8.1%	
28.4%	8,807	9,836	1,029	11.7%	
29.6%	8,417	9,453	1,036	13.5%	
30.9%	8,313	9,200	887	10.7%	
32.1%	8,188	8,847	659	8.0%	
33.3%	8,177	8,740	563	6.9%	
34.6%	8,129	8,665	536	6.6%	
35.8%	8,109	8,563	454	5.6%	
37.0%	7,980	8,547	567	7.1%	
38.3%	7,945	8,379	434	5.5%	
39.5%	7,895	8,276	381	4.8%	
40.7%	7,736	8,169	433	5.6%	
42.0%	7,622	8,008	386	5.1%	
43.2%	7,567	7,959	392	5.2%	
44.4%	7,552	7,997	446	5.9%	
45.7%	7,510	7,986	476	6.3%	
46.9%	7,374	7,713	339	4.6%	
48.1%	7,330	7,584	254	3.5%	
49.4%	7,242	7,568	326	4.5%	
50.6%	7,205	7,568	363	5.0%	
51.9%	7,086	7,537	451	6.4%	
53.1%	7,005	7,525	521	7.4%	
54.3%	6,984	7,468	484	6.9%	
55.6%	6,858	7,419	562	8.2%	
56.8%	6,828	7,260	432	6.3%	
58.0%	6,800	7,249	449	6.6%	
59.3%	6,784	7,197	413	6.1%	
60.5%	6,662	7,088	426	6.4%	
61.7%	6,622	7,084	462	7.0%	
63.0%	6,613	6,980	367	5.5%	
64.2%	6,521	6,937	416	6.4%	
65.4%	6,456	6,929	474	7.3%	
66.7%	6,427	6,926	500	7.8%	
67.9%	6,402	6,840	438	6.8%	
69.1%	6,331	6,766	435	6.9%	
70.4%	6,279	6,683	205	3.3%	
71.6%	6,117	6,253	136	2.2%	
72.8%	5,994	6,242	249	4.1%	
74.1%	5,901	6,162	261	4.4%	
75.3%	5,588	5,974	386	6.9%	
76.5%	5,201	5,500	299	5.8%	
77.8%	5,158	5,754	596	11.6%	
79.0%	4,841	5,596	754	15.6%	
80.2%	4,780	5,578	798	16.7%	
81.5%	4,685	5,254	570	12.2%	
82.7%	4,609	5,201	592	12.9%	
84.0%	4,584	5,078	494	10.8%	
85.2%	4,392	5,032	640	14.6%	
86.4%	4,285	4,973	688	16.1%	
87.7%	4,177	4,788	611	14.6%	
88.9%	4,171	4,445	273	6.6%	
90.1%	4,079	4,143	63	1.6%	
91.4%	3,977	3,977	0	0.0%	
92.6%	3,817	4,139	322	8.4%	
93.8%	3,756	4,104	348	9.3%	
95.1%	3,593	3,731	138	3.8%	
96.3%	3,527	3,591	64	1.8%	
97.5%	3,520	3,531	11	0.3%	
98.8%	3,332	3,502	169	5.1%	
100.0%	2,999	3,001	2	0.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	12,278	12,278	0	0.0%	
1.2%	12,278	12,278	0	0.0%	
2.5%	12,278	12,278	0	0.0%	
3.7%	11,983	11,851	-133	-1.1%	
4.9%	11,801	11,801	0	0.0%	
6.2%	11,770	11,800	30	0.3%	
7.4%	11,748	11,748	0	0.0%	
8.6%	11,725	11,725	0	0.0%	
9.9%	11,719	11,719	0	0.0%	
11.1%	11,717	11,719	2	0.0%	
12.3%	11,693	11,693	0	0.0%	
13.6%	11,686	11,686	0	0.0%	
14.8%	11,669	11,680	11	0.1%	
16.0%	11,665	11,669	4	0.0%	
17.3%	11,663	11,665	2	0.0%	
18.5%	11,661	11,663	2	0.0%	
19.8%	11,659	11,661	3	0.0%	
21.0%	11,654	11,659	5	0.0%	
22.2%	11,648	11,648	0	0.0%	
23.5%	11,642	11,648	6	0.1%	
24.7%	11,599	11,642	43	0.4%	
25.9%	11,582	11,640	57	0.5%	
27.2%	11,338	11,605	267	2.4%	
28.4%	11,220	11,589	369	3.4%	
29.6%	11,181	11,491	310	2.8%	
30.9%	11,154	11,371	217	1.9%	
32.1%	10,881	11,360	479	4.4%	
33.3%	10,721	11,346	625	5.8%	
34.6%	10,430	11,303	873	8.4%	
35.8%	10,057	11,215	1,158	11.5%	
37.0%	9,825	11,202	1,377	14.0%	
38.3%	9,769	10,703	934	9.6%	
39.5%	9,466	10,614	1,148	12.1%	
40.7%	9,308	9,893	585	6.3%	
42.0%	9,145	9,765	620	6.8%	
43.2%	8,705	9,521	816	9.4%	
44.4%	8,558	9,500	942	11.0%	
45.7%	8,536	9,428	892	10.5%	
46.9%	8,420	8,705	285	3.4%	
48.1%	8,382	8,556	174	2.1%	
49.4%	8,352	8,536	184	2.2%	
50.6%	8,320	8,450	130	1.6%	
51.9%	8,313	8,382	69	0.8%	
53.1%	8,233	8,313	80	1.0%	
54.3%	8,113	8,113	0	0.0%	
55.6%	8,017	8,069	51	0.6%	
56.8%	7,943	7,996	53	0.7%	
58.0%	7,908	7,988	80	1.0%	
59.3%	7,863	7,943	80	1.0%	
60.5%	7,862	7,937	75	1.0%	
61.7%	7,850	7,908	58	0.7%	
63.0%	7,835	7,892	57	0.7%	
64.2%	7,716	7,880	164	2.1%	
65.4%	7,656	7,855	200	2.6%	
66.7%	7,643	7			

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

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	12,618	-482	-3.7%
4.9%	12,505	12,505	0	0.0%
6.2%	12,160	12,448	288	2.4%
7.4%	11,615	12,209	695	5.9%
8.6%	11,177	12,160	983	8.8%
9.9%	10,869	11,615	746	6.9%
11.1%	10,703	10,869	166	1.6%
12.3%	10,453	10,453	0	0.0%
13.6%	9,845	10,373	528	5.4%
14.8%	9,800	9,776	-25	-0.3%
16.0%	9,591	9,533	-58	-0.6%
17.3%	9,529	9,529	0	0.0%
18.5%	9,469	9,501	32	0.3%
19.8%	9,447	9,469	22	0.2%
21.0%	9,427	9,447	20	0.2%
22.2%	9,289	9,289	0	0.0%
23.5%	9,137	9,137	0	0.0%
24.7%	8,944	8,988	44	0.5%
25.9%	8,726	8,726	0	0.0%
27.2%	8,387	8,379	-8	-0.1%
28.4%	8,325	8,325	0	0.0%
29.6%	8,304	8,304	0	0.0%
30.9%	8,233	8,233	0	0.0%
32.1%	8,231	8,231	0	0.0%
33.3%	7,883	7,883	0	0.0%
34.6%	7,748	7,748	0	0.0%
35.8%	7,887	7,887	0	0.0%
37.0%	7,613	7,613	0	0.0%
38.3%	7,607	7,607	0	0.0%
39.5%	7,360	7,360	0	0.0%
40.7%	7,260	7,260	0	0.0%
42.0%	7,247	7,464	217	3.0%
43.2%	7,223	7,203	-20	-0.3%
44.4%	7,040	7,040	0	0.0%
45.7%	7,039	7,038	-1	-0.0%
46.9%	7,038	6,943	-94	-1.3%
48.1%	6,943	6,851	-92	-1.3%
49.4%	6,851	6,755	-96	-1.4%
50.6%	6,755	6,723	-32	-0.5%
51.9%	6,723	6,719	-3	-0.0%
53.1%	6,719	6,699	-21	-0.3%
54.3%	6,699	6,695	-4	-0.1%
55.6%	6,695	6,676	-19	-0.3%
56.8%	6,675	6,675	0	0.0%
58.0%	6,671	6,637	-33	-0.5%
59.3%	6,637	6,622	-15	-0.2%
60.5%	6,622	6,561	-61	-0.9%
61.7%	6,561	6,522	-40	-0.6%
63.0%	6,522	6,398	-123	-1.9%
64.2%	6,398	6,354	-44	-0.7%
65.4%	6,329	6,300	-29	-0.5%
66.7%	6,300	6,281	-19	-0.3%
67.9%	6,281	6,195	-86	-1.4%
69.1%	6,142	6,137	-5	-0.1%
70.4%	6,137	6,066	-71	-1.2%
71.6%	6,066	5,916	-149	-2.5%
72.8%	5,807	5,807	0	0.0%
74.1%	5,600	5,605	5	0.1%
75.3%	5,568	5,600	32	0.6%
76.5%	5,503	5,391	-112	-2.0%
77.8%	5,140	5,140	0	0.0%
79.0%	5,132	5,132	0	0.0%
80.2%	5,011	5,011	0	0.0%
81.5%	4,998	4,998	0	0.0%
82.7%	4,863	4,863	0	0.0%
84.0%	4,570	4,577	7	0.2%
85.2%	4,492	4,530	39	0.9%
86.4%	4,462	4,492	30	0.7%
87.7%	4,205	4,462	257	6.1%
88.9%	4,017	4,205	189	4.7%
90.1%	3,744	4,017	272	7.3%
91.4%	3,609	3,839	231	6.4%
92.6%	3,451	3,744	293	8.5%
93.8%	3,380	3,703	323	9.6%
95.1%	3,378	3,612	234	6.9%
96.3%	3,101	3,451	350	11.3%
97.5%	3,037	3,390	343	11.3%
98.8%	1,881	3,256	1,375	73.1%
100.0%	1,153	3,101	1,948	169.0%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,081	-80	-0.7%
3.7%	12,139	12,058	-81	-0.7%
4.9%	12,081	11,936	-145	-1.2%
6.2%	11,817	11,870	53	0.4%
7.4%	11,776	11,742	-34	-0.3%
8.6%	11,668	11,133	-535	-4.6%
9.9%	11,163	10,622	-542	-4.9%
11.1%	10,571	10,564	-7	-0.1%
12.3%	10,564	10,555	-9	-0.1%
13.6%	10,555	10,431	-124	-1.2%
14.8%	10,431	10,292	-139	-1.3%
16.0%	10,292	9,985	-308	-3.0%
17.3%	9,985	9,930	-55	-0.5%
18.5%	9,930	9,771	-159	-1.6%
19.8%	9,771	9,710	-61	-0.6%
21.0%	9,760	9,683	-78	-0.8%
22.2%	9,710	9,601	-109	-1.1%
23.5%	9,683	9,594	-89	-0.9%
24.7%	9,601	9,483	-118	-1.2%
25.9%	9,595	9,407	-188	-2.0%
27.2%	9,407	9,350	-58	-0.6%
28.4%	9,350	9,164	-186	-2.0%
29.6%	9,044	8,800	-244	-2.7%
30.9%	8,770	8,795	25	0.3%
32.1%	8,763	8,468	-295	-3.4%
33.3%	8,468	8,288	-180	-2.1%
34.6%	8,249	8,249	0	0.0%
35.8%	8,232	8,232	0	0.0%
37.0%	8,151	8,150	-1	-0.0%
38.3%	7,893	7,893	0	0.0%
39.5%	7,870	7,870	0	0.0%
40.7%	7,649	7,649	0	0.0%
42.0%	7,464	7,464	0	0.0%
43.2%	7,390	7,390	0	0.0%
44.4%	7,226	7,226	0	0.0%
45.7%	7,153	7,153	0	0.0%
46.9%	7,096	6,913	-183	-2.6%
48.1%	6,913	6,890	-23	-0.3%
49.4%	6,890	6,874	-16	-0.2%
50.6%	6,874	6,843	-31	-0.5%
51.9%	6,691	6,737	46	0.7%
53.1%	6,640	6,691	51	0.8%
54.3%	6,613	6,613	0	0.0%
55.6%	6,591	6,436	-155	-2.4%
56.8%	6,445	6,423	-21	-0.3%
58.0%	6,435	5,898	-537	-8.3%
59.3%	6,417	5,884	-533	-8.3%
60.5%	6,245	5,870	-374	-6.0%
61.7%	5,898	5,813	-86	-1.5%
63.0%	5,877	5,792	-85	-1.5%
64.2%	5,813	5,604	-208	-3.6%
65.4%	5,612	5,342	-270	-4.8%
66.7%	5,479	5,312	-167	-3.0%
67.9%	5,312	5,310	-2	-0.0%
69.1%	5,188	5,188	0	0.0%
70.4%	5,099	5,099	0	0.0%
71.6%	5,067	5,067	0	0.0%
72.8%	5,062	5,062	0	0.0%
74.1%	5,054	5,054	0	0.0%
75.3%	5,031	5,031	0	0.0%
76.5%	5,021	4,946	-75	-1.5%
77.8%	4,947	4,895	-52	-1.1%
79.0%	4,864	4,858	-6	-0.1%
80.2%	4,858	4,770	-88	-1.8%
81.5%	4,686	4,686	0	0.0%
82.7%	4,686	4,598	-88	-1.9%
84.0%	4,598	4,598	0	0.0%
85.2%	4,252	3,593	-659	-15.5%
86.4%	3,866	3,491	-375	-9.7%
87.7%	3,593	3,097	-496	-13.8%
88.9%	3,392	3,018	-374	-11.0%
90.1%	3,018	2,755	-263	-8.7%
91.4%	2,870	2,672	-198	-6.9%
92.6%	2,582	2,582	0	0.0%
93.8%	2,496	2,409	-87	-3.5%
95.1%	2,409	2,312	-97	-4.0%
96.3%	2,079	2,180	101	4.9%
97.5%	2,079	2,079	0	0.0%
98.8%	1,642	2,016	374	22.8%
100.0%	1,100	1,100	0	0.0%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,499	8,851	-648	-6.8%
1.2%	6,695	6,605	-90	-1.3%
2.5%	6,082	6,083	1	0.0%
3.7%	5,242	5,235	-7	-0.1%
4.9%	5,010	4,994	-16	-0.3%
6.2%	4,482	4,474	-8	-0.2%
7.4%	4,173	4,156	-16	-0.4%
8.6%	3,705	3,684	-21	-0.6%
9.9%	3,501	3,494	-7	-0.2%
11.1%	3,329	3,313	-16	-0.5%
12.3%	3,244	3,244	0	0.0%
13.6%	3,207	3,207	0	0.0%
14.8%	2,851	2,851	0	0.0%
16.0%	2,784	2,784	0	0.0%
17.3%	2,769	2,764	-5	-0.2%
18.5%	2,755	2,754	-1	-0.0%
19.8%	2,686	2,686	1	0.0%
21.0%	2,599	2,599	0	0.0%
22.2%	2,541	2,541	0	0.0%
23.5%	2,493	2,493	0	0.0%
24.7%	2,415	2,415	0	0.0%
25.9%	2,402	2,402	0	0.0%
27.2%	2,387	2,387	0	0.0%
28.4%	2,338	2,338	0	0.0%
29.6%	2,308	2,308	0	0.0%
30.9%	2,284	2,284	0	0.0%
32.1%	2,270	2,270	0	0.0%
33.3%	2,235	2,235	0	0.0%
34.6%	2,209	2,202	-7	-0.3%
35.8%	2,202	2,197	-4	-0.2%
37.0%	2,197	2,194	-3	-0.1%
38.3%	2,194	2,193	-1	-0.0%
39.5%	2,193	2,193	0	0.0%
40.7%	2,192	2,192	0	0.0%
42.0%	2,176	2,176	0	0.0%
43.2%	2,157	2,157	0	0.0%
44.4%	2,102	2,102	0	0.0%
45.7%	2,098	2,098	0	0.0%
46.9%	2,087	2,087	0	0.0%
48.1%	2,072	2,072	1	0.0%
49.4%	2,064	2,064	0	0.0%
50.6%	2,056	2,057	1	0.0%
51.9%	2,056	2,056	0	0.0%
53.1%	2,041	2,041	0	0.0%
54.3%	2,010	2,010	0	0.0%
55.6%	2,008	2,008	0	0.0%
56.8%	2,004	2,004	0	0.0%
58.0%	1,978	1,978	0	0.0%
59.3%	1,977	1,977	0	0.0%
60.5%	1,970	1,970	0	0.0%
61.7%	1,954	1,954	0	0.0%
63.0%	1,953	1,953	0	0.0%
64.2%	1,943	1,943	0	0.0%
65.4%	1,940	1,940	0	0.0%
66.7%	1,927	1,927	0	0.0%
67.9%	1,866	1,874	8	0.4%
69.1%	1,849	1,849	0	0.0%
70.4%	1,848	1,848	0	0.0%
71.6%	1,787	1,788	1	0.0%
72.8%	1,786	1,786	0	0.0%
74.1%	1,779	1,779	0	0.0%
75.3%	1,729	1,729	0	0.0%
76.5%	1,660	1,660	0	0.0%
77.8%	1,557	1,557	0	0.0%
79.0%	1,548	1,548	0	0.0%
80.2%	1,540	1,540	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,384	1,465	80	5.8%
95.1%	1,263	1,266	3	0.2%
96.3%	1,100	1,100	0	

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

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	10,688	-592	-5.3%
6.2%	10,731	10,646	-85	-0.8%
7.4%	10,647	10,147	-499	-4.7%
8.6%	10,197	9,853	-344	-3.4%
9.9%	9,852	9,716	-137	-1.4%
11.1%	9,501	9,501	0	0.0%
12.3%	8,910	8,910	0	0.0%
13.6%	8,798	8,910	112	1.3%
14.8%	8,769	8,769	0	0.0%
16.0%	8,329	8,329	0	0.0%
17.3%	8,120	8,120	0	0.0%
18.5%	7,921	7,921	0	0.0%
19.8%	7,613	7,917	304	4.0%
21.0%	6,883	6,884	0	0.0%
22.2%	6,943	6,943	0	0.0%
23.5%	6,474	6,474	0	0.0%
24.7%	6,265	6,281	15	0.2%
25.9%	6,122	6,118	-4	-0.1%
27.2%	6,030	6,046	16	0.3%
28.4%	5,844	5,930	86	1.5%
29.6%	5,805	5,844	39	0.7%
30.9%	5,785	5,805	20	0.4%
32.1%	5,755	5,787	32	0.5%
33.3%	5,737	5,755	19	0.3%
34.6%	5,707	5,707	0	0.0%
35.8%	5,705	5,705	0	0.0%
37.0%	5,701	5,701	0	0.0%
38.3%	5,696	5,696	0	0.0%
39.5%	5,686	5,686	0	0.0%
40.7%	5,471	5,469	-2	0.0%
42.0%	5,361	5,361	0	0.0%
43.2%	5,360	5,360	0	0.0%
44.4%	5,350	5,319	-31	-0.6%
45.7%	5,326	5,280	-46	-0.9%
46.9%	5,319	5,227	-92	-1.7%
48.1%	5,280	5,110	-170	-3.2%
49.4%	5,227	5,051	-176	-3.4%
50.6%	5,110	4,728	-382	-7.5%
51.9%	5,051	4,725	-326	-6.5%
53.1%	4,728	4,082	-646	-13.7%
54.3%	4,725	4,015	-710	-15.0%
55.6%	4,082	3,953	-129	-3.2%
56.8%	4,015	3,861	-154	-3.8%
58.0%	3,952	3,727	-225	-5.7%
59.3%	3,861	3,720	-141	-3.7%
60.5%	3,719	3,702	-17	-0.5%
61.7%	3,673	3,673	0	0.0%
63.0%	3,483	3,483	0	0.0%
64.2%	3,451	3,451	0	0.0%
65.4%	3,396	3,396	0	0.0%
66.7%	3,386	3,387	1	0.0%
67.9%	3,349	3,349	0	0.0%
69.1%	3,336	3,336	0	0.0%
70.4%	3,335	3,335	0	0.0%
71.6%	3,312	3,311	0	0.0%
72.8%	3,306	3,306	0	0.0%
74.1%	3,285	3,285	-1	0.0%
75.3%	3,274	3,274	0	0.0%
76.5%	3,271	3,271	0	0.0%
77.8%	3,239	3,239	0	0.0%
79.0%	3,215	3,215	0	0.0%
80.2%	3,170	3,170	0	0.0%
81.5%	3,042	3,042	0	0.0%
82.7%	2,906	2,909	3	0.1%
84.0%	1,002	1,002	0	0.0%
85.2%	999	999	0	0.0%
86.4%	898	898	0	0.0%
87.7%	829	829	0	0.0%
88.9%	728	728	0	0.0%
90.1%	727	727	0	0.0%
91.4%	721	720	-1	0.0%
92.6%	644	709	65	10.1%
93.8%	555	645	91	16.4%
95.1%	519	561	41	8.0%
96.3%	482	482	0	0.0%
97.5%	453	453	0	0.0%
98.8%	440	440	0	0.0%
100.0%	135	227	92	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,715	-65	-0.6%
2.5%	11,605	11,677	72	0.6%
3.7%	11,605	11,605	0	0.0%
4.9%	11,605	11,605	0	0.0%
6.2%	11,605	11,605	0	0.0%
7.4%	11,605	11,605	0	0.0%
8.6%	11,605	11,605	0	0.0%
9.9%	11,605	11,605	0	0.0%
11.1%	11,605	11,605	0	0.0%
12.3%	11,605	11,605	0	0.0%
13.6%	11,605	11,605	0	0.0%
14.8%	11,605	11,605	0	0.0%
16.0%	11,605	11,605	0	0.0%
17.3%	11,605	11,605	0	0.0%
18.5%	11,605	11,605	0	0.0%
19.8%	11,605	11,605	0	0.0%
21.0%	11,605	11,605	0	0.0%
22.2%	11,605	11,605	0	0.0%
23.5%	11,589	11,605	16	0.1%
24.7%	11,588	11,605	17	0.1%
25.9%	11,586	11,605	19	0.2%
27.2%	11,577	11,605	28	0.2%
28.4%	11,570	11,605	35	0.3%
29.6%	11,529	11,605	76	0.7%
30.9%	11,529	11,588	59	0.5%
32.1%	11,529	11,577	48	0.4%
33.3%	11,515	11,570	55	0.5%
34.6%	11,515	11,529	14	0.1%
35.8%	11,515	11,529	14	0.1%
37.0%	11,515	11,529	14	0.1%
38.3%	11,515	11,529	14	0.1%
39.5%	11,513	11,519	7	0.1%
40.7%	11,501	11,515	14	0.1%
42.0%	11,498	11,515	17	0.1%
43.2%	11,498	11,515	17	0.1%
44.4%	11,477	11,515	38	0.3%
45.7%	11,443	11,515	72	0.6%
46.9%	11,423	11,513	90	0.8%
48.1%	11,411	11,498	88	0.8%
49.4%	11,381	11,498	117	1.0%
50.6%	11,318	11,443	125	1.1%
51.9%	11,280	11,442	162	1.4%
53.1%	11,280	11,440	160	1.4%
54.3%	11,280	11,411	131	1.2%
55.6%	11,280	11,399	119	1.1%
56.8%	11,280	11,385	105	0.9%
58.0%	11,155	11,322	168	1.5%
59.3%	11,145	11,313	168	1.5%
60.5%	11,123	11,280	157	1.4%
61.7%	11,061	11,280	219	2.0%
63.0%	10,832	11,280	448	4.1%
64.2%	10,653	11,280	627	5.9%
65.4%	10,614	11,280	666	6.3%
66.7%	10,504	11,264	760	7.2%
67.9%	10,390	10,956	566	5.5%
69.1%	10,372	10,771	399	3.8%
70.4%	10,369	10,754	385	3.7%
71.6%	10,352	10,508	156	1.5%
72.8%	10,340	10,442	102	1.0%
74.1%	10,276	10,345	69	0.7%
75.3%	10,224	10,336	112	1.1%
76.5%	9,975	10,317	343	3.4%
77.8%	9,732	10,177	445	4.6%
79.0%	9,661	10,027	365	3.8%
80.2%	9,573	10,017	444	4.6%
81.5%	9,549	10,015	466	4.9%
82.7%	9,428	9,803	375	4.0%
84.0%	9,235	9,379	144	1.6%
85.2%	6,809	9,134	2,325	34.1%
86.4%	6,165	7,943	1,778	28.8%
87.7%	5,790	6,736	946	16.3%
88.9%	5,467	6,184	717	13.1%
90.1%	5,076	5,472	396	7.8%
91.4%	4,957	5,245	288	5.8%
92.6%	4,012	3,583	-429	-10.7%
93.8%	2,602	3,360	758	29.1%
95.1%	1,680	3,283	1,603	95.4%
96.3%	1,547	1,862	315	20.4%
97.5%	1,391	1,826	435	31.3%
98.8%	1,242	1,307	65	5.2%
100.0%	1,003	2,053	205	20.4%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,780	0	0.0%
2.5%	11,780	11,780	0	0.0%
3.7%	11,780	11,780	0	0.0%
4.9%	11,780	11,780	0	0.0%
6.2%	11,780	11,780	0	0.0%
7.4%	11,780	11,780	0	0.0%
8.6%	11,780	11,780	0	0.0%
9.9%	11,780	11,780	0	0.0%
11.1%	11,780	11,780	0	0.0%
12.3%	11,780	11,780	0	0.0%
13.6%	11,780	11,780	0	0.0%
14.8%	11,780	11,780	0	0.0%
16.0%	11,780	11,780	0	0.0%
17.3%	11,780	11,780	0	0.0%
18.5%	11,780	11,780	0	0.0%
19.8%	11,780	11,780	0	0.0%
21.0%	11,780	11,780	0	0.0%
22.2%	11,780	11,780	0	0.0%
23.5%	11,780	11,780	0	0.0%
24.7%	11,780	11,780	0	0.0%
25.9%	11,780	11,780	0	0.0%
27.2%	11,780	11,780	0	0.0%
28.4%	11,780	11,780	0	0.0%
29.6%	11,756	11,780	24	0.2%
30.9%	11,723	11,780	57	0.5%
32.1%	11,676	11,780	104	0.9%
33.3%	11,646	11,780	134	1.2%
34.6%	11,630	11,780	150	1.3%
35.8%	11,630	11,723	93	0.8%
37.0%	11,630	11,695	66	0.6%
38.3%	11,630	11,630	0	0.0%
39.5%	11,534	11,630	96	0.8%
40.7%	11,530	11,630	100	0.9%
42.0%	11,530	11,630	100	0.9%
43.2%	11,530	11,534	4	0.0%
44.4%	11,506	11,530	24	0.2%
45.7%	11,493	11,530	37	0.3%
46.9%	11,371	11,530	159	1.4%
48.1%	11,348	11,530	182	1.6%
49.4%	11,291	11,508	216	1.9%
50.6%	11,280	11,493	213	1.9%
51.9%	11,280	11,348	68	0.6%
53.1%	11,280	11,291	11	0.1%
54.3%	11,280	11,280	0	0.0%
55.6%	11,147	11,280	133	1.2%
56.8%	11,134	11,280	146	1.3%
58.0%	11,092	11,212	121	1.1%
59.3%	11,001	11,167	166	1.5%
60.5%	10,540	11,058	519	4.9%
61.7%	10,343	10,796	453	4.4%
63.0%	9,279	10,776	1,498	16.1%
64.2%	8,414	9,851	1,437	17.1%
65.4%	7,483	8,980	1,497	20.0%
66.7%	7,420	8,829	1,409	19.0%
67.9%	7,351	8,214	863	11.7%
69.1%	6,801	8,003	1,202	17.7%
70.4%	6,800	7,709	909	13.4%
71.6%	6,772	7,668	896	13.2%
72.8%	6,264	7,291	1,027	16.4%
74.1%	6,228	7,291	1,063	17.1%
75.3%	6,052	7,215	1,163	19.2%
76.5%	6,002	7,090	1,088	18.1%
77.8%	5,512	6,849	1,337	24.3%
79.0%	5,298	6,551	1,253	23.6%
80.2%	5,150	6,368	1,218	23.7%
81.5%	5,059	6,247	1,188	23.5%
82.7%	4,581	6,205	1,625	35.5%
84.0%	4,556	6,174	1,618	35.5%
85.2%	4,389	6,115	1,726	39.3%
86.4%	3,642	5,974	2,332	64.0%
87.7%	3,464	5,846	2,383	68.8%
88.9%	3,411	5,307	1,896	55.6%
9				

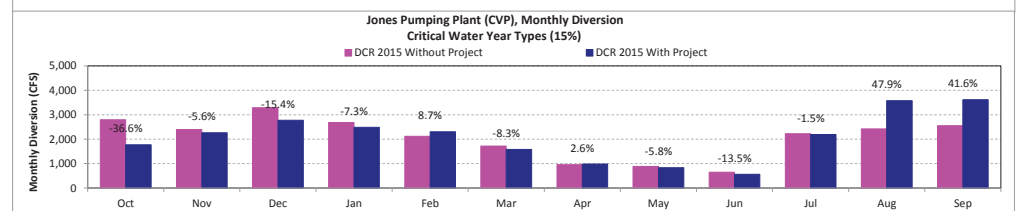
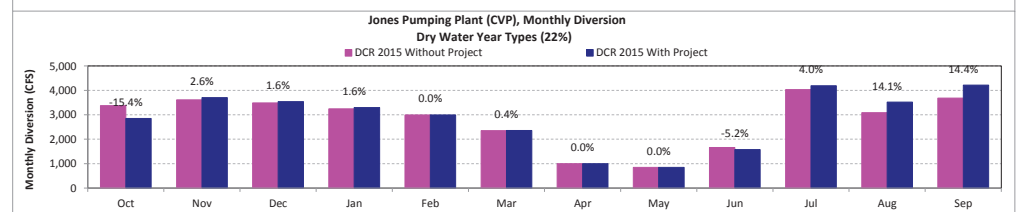
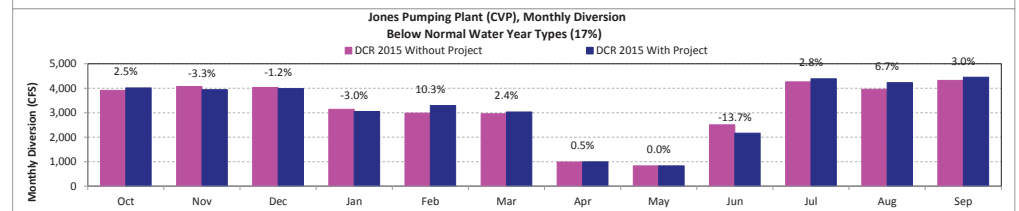
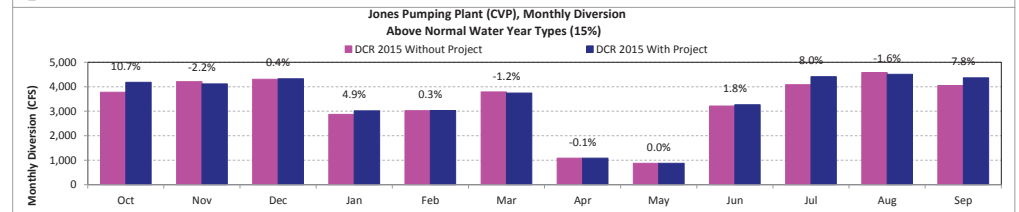
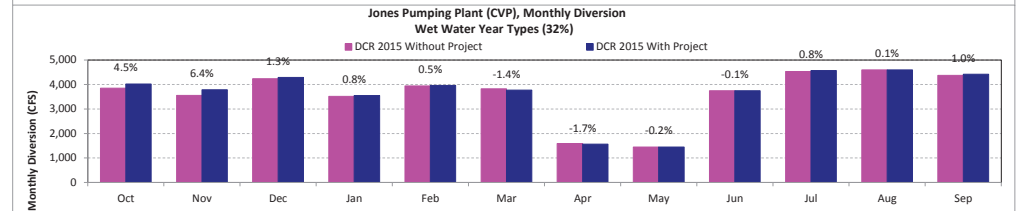
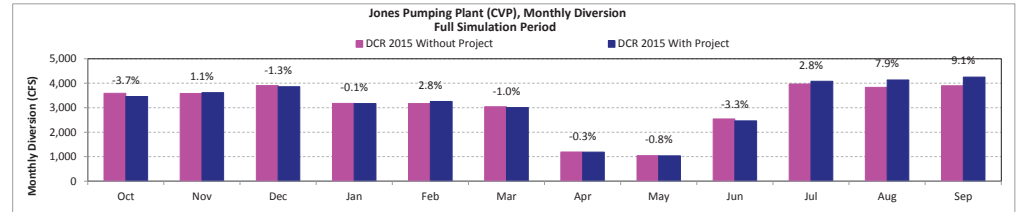
Table SW-37-a  
Jones Pumping Plant (CVP), Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	3,591	3,581	3,908	3,177	3,170	3,040	1,192	1,044	2,546	3,973	3,835	3,901
DCR 2015 With Project	3,458	3,619	3,857	3,173	3,257	3,009	1,188	1,036	2,463	4,084	4,136	4,255
Difference	-133	38	-51	-4	87	-31	-4	-8	-83	111	301	354
Percent Difference <sup>2</sup>	-3.7%	1.1%	-1.3%	-0.1%	2.8%	-1.0%	-0.3%	-0.8%	-3.3%	2.8%	7.9%	9.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3,847	3,555	4,235	3,518	3,945	3,824	1,593	1,448	3,747	4,533	4,595	4,375
DCR 2015 With Project	4,022	3,784	4,289	3,546	3,965	3,769	1,567	1,446	3,744	4,570	4,600	4,418
Difference	174	229	54	28	20	-55	-26	-2	-2	37	5	42
Percent Difference	4.5%	6.4%	1.3%	0.8%	0.5%	-1.4%	-1.7%	-0.2%	-0.1%	0.8%	0.1%	1.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	3,778	4,207	4,309	2,874	3,020	3,790	1,086	876	3,211	4,086	4,584	4,048
DCR 2015 With Project	4,182	4,115	4,328	3,014	3,030	3,745	1,086	876	3,268	4,412	4,512	4,365
Difference	404	-91	19	140	10	-45	-1	0	57	326	-72	317
Percent Difference	10.7%	-2.2%	0.4%	4.9%	0.3%	-1.2%	-0.1%	0.0%	1.8%	8.0%	-1.6%	7.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	3,915	4,071	4,035	3,141	2,983	2,959	988	829	2,506	4,264	3,961	4,322
DCR 2015 With Project	4,012	3,938	3,985	3,047	3,292	3,030	993	829	2,162	4,384	4,227	4,454
Difference	97	-133	-50	-94	308	71	5	0	-343	120	266	132
Percent Difference	2.5%	-3.3%	-1.2%	-3.0%	10.3%	2.4%	0.5%	0.0%	-13.7%	2.8%	6.7%	3.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	3,372	3,612	3,484	3,242	2,997	2,351	999	847	1,662	4,029	3,084	3,686
DCR 2015 With Project	2,852	3,706	3,541	3,293	2,995	2,359	999	847	1,576	4,191	3,518	4,217
Difference	-520	94	56	51	-1	9	0	0	-86	162	434	530
Percent Difference	-15.4%	2.6%	1.6%	1.6%	0.0%	0.4%	0.0%	0.0%	-5.2%	4.0%	14.1%	14.4%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	2,797	2,396	3,284	2,685	2,117	1,720	957	886	650	2,223	2,418	2,554
DCR 2015 With Project	1,773	2,262	2,777	2,488	2,301	1,577	982	834	562	2,191	3,575	3,618
Difference	-1,024	-133	-507	-197	185	-142	25	-51	-88	-32	1,157	1,063
Percent Difference	-36.6%	-5.6%	-15.4%	-7.3%	8.7%	-8.3%	2.6%	-5.8%	-13.5%	-1.5%	47.9%	41.6%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

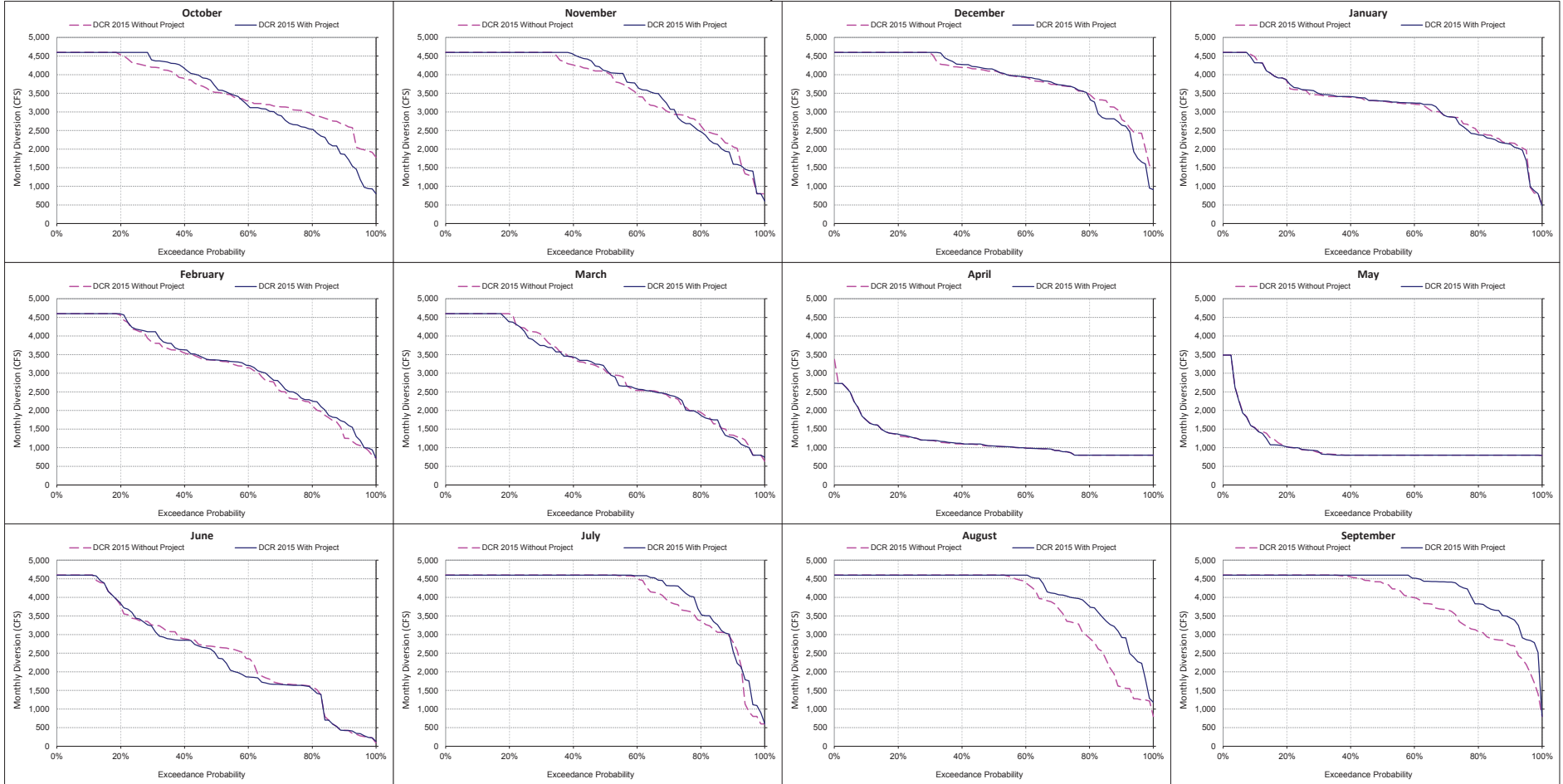


Table SW-37-b  
Jones Pumping Plant (CVP), Monthly Diversion  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,542	4,600	58	1.3%
21.0%	4,505	4,600	95	2.1%
22.2%	4,424	4,600	176	4.0%
23.5%	4,331	4,600	269	6.2%
24.7%	4,304	4,600	296	6.9%
25.9%	4,283	4,600	317	7.4%
27.2%	4,255	4,600	345	8.1%
28.4%	4,234	4,600	366	8.7%
29.6%	4,201	4,399	198	4.7%
30.9%	4,198	4,372	174	4.2%
32.1%	4,183	4,367	184	4.4%
33.3%	4,128	4,354	226	5.5%
34.6%	4,120	4,341	221	5.4%
35.8%	4,086	4,309	223	5.5%
37.0%	4,028	4,299	271	6.7%
38.3%	3,926	4,270	343	8.7%
39.5%	3,911	4,201	291	7.4%
40.7%	3,864	4,112	248	6.4%
42.0%	3,861	4,036	175	4.5%
43.2%	3,770	4,016	245	6.5%
44.4%	3,721	3,988	266	7.2%
45.7%	3,692	3,917	225	6.2%
46.9%	3,639	3,898	259	7.1%
48.1%	3,560	3,854	294	8.3%
49.4%	3,528	3,717	189	5.4%
50.6%	3,524	3,586	63	1.8%
51.9%	3,504	3,582	51	1.3%
53.1%	3,477	3,534	57	1.6%
54.3%	3,465	3,487	22	0.6%
55.6%	3,391	3,450	58	1.7%
56.8%	3,358	3,411	53	1.6%
58.0%	3,354	3,316	-39	-1.2%
59.3%	3,299	3,220	-79	-2.4%
60.5%	3,291	3,117	-173	-5.3%
61.7%	3,226	3,115	-112	-3.5%
63.0%	3,224	3,112	-112	-3.5%
64.2%	3,224	3,088	-135	-4.2%
65.4%	3,197	3,075	-122	-3.8%
66.7%	3,193	3,014	-179	-5.6%
67.9%	3,158	3,009	-149	-4.7%
69.1%	3,146	2,924	-222	-7.1%
70.4%	3,134	2,894	-239	-7.6%
71.6%	3,132	2,770	-362	-11.6%
72.8%	3,116	2,696	-420	-13.5%
74.1%	3,054	2,660	-394	-12.9%
75.3%	3,048	2,647	-400	-13.1%
76.5%	3,039	2,601	-438	-14.4%
77.8%	2,999	2,584	-415	-13.8%
79.0%	2,979	2,546	-433	-14.5%
80.2%	2,910	2,528	-383	-13.1%
81.5%	2,900	2,428	-472	-16.3%
82.7%	2,868	2,354	-513	-17.9%
84.0%	2,830	2,319	-512	-18.1%
85.2%	2,795	2,151	-644	-23.0%
86.4%	2,756	2,089	-667	-24.2%
87.7%	2,746	2,089	-657	-23.9%
88.9%	2,691	1,874	-817	-30.4%
90.1%	2,658	1,856	-802	-30.2%
91.4%	2,597	1,714	-884	-34.0%
92.6%	2,577	1,546	-1,031	-40.0%
93.8%	2,050	1,461	-589	-28.8%
95.1%	2,006	1,180	-826	-41.2%
96.3%	1,980	977	-1,003	-50.7%
97.5%	1,952	941	-1,011	-51.8%
98.8%	1,915	931	-984	-51.4%
100.0%	1,780	800	-980	-55.1%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,524	4,600	76	1.7%
35.8%	4,391	4,600	209	4.8%
37.0%	4,351	4,600	249	5.7%
38.3%	4,295	4,600	305	7.1%
39.5%	4,271	4,572	301	7.0%
40.7%	4,241	4,514	273	6.4%
42.0%	4,169	4,228	59	1.4%
43.2%	4,185	4,435	250	6.0%
44.4%	4,167	4,417	250	6.0%
45.7%	4,125	4,367	242	5.9%
46.9%	4,100	4,235	135	3.3%
48.1%	4,099	4,214	116	2.8%
49.4%	4,119	4,119	0	0.0%
50.6%	4,055	4,091	36	0.9%
51.9%	4,098	4,049	-49	-1.2%
53.1%	3,807	4,040	233	6.1%
54.3%	3,784	4,036	252	6.7%
55.6%	3,742	4,035	293	7.8%
56.8%	3,685	3,798	113	3.1%
58.0%	3,612	3,784	172	4.8%
59.3%	3,543	3,779	236	6.7%
60.5%	3,409	3,637	228	6.7%
61.7%	3,400	3,592	192	5.6%
63.0%	3,249	3,587	338	10.4%
64.2%	3,181	3,536	355	11.1%
65.4%	3,165	3,499	333	10.5%
66.7%	3,117	3,490	373	12.0%
67.9%	3,117	3,358	241	7.7%
69.1%	3,026	3,242	216	7.1%
70.4%	2,981	3,070	89	3.0%
71.6%	2,933	3,065	132	4.5%
72.8%	2,929	2,841	-89	-3.0%
74.1%	2,919	2,743	-176	-6.0%
75.3%	2,904	2,690	-215	-7.4%
76.5%	2,833	2,685	-148	-5.2%
77.8%	2,815	2,597	-217	-7.7%
79.0%	2,737	2,511	-226	-8.3%
80.2%	2,601	2,460	-141	-5.4%
81.5%	2,464	2,369	-95	-3.8%
82.7%	2,449	2,236	-213	-8.7%
84.0%	2,414	2,156	-258	-10.7%
85.2%	2,390	2,128	-262	-11.0%
86.4%	2,292	2,008	-284	-12.4%
87.7%	2,168	1,944	-223	-10.3%
88.9%	2,148	1,926	-222	-10.3%
90.1%	2,058	1,856	-202	-9.8%
91.4%	2,021	1,690	-331	-16.4%
92.6%	1,601	1,555	-45	-2.8%
93.8%	1,338	1,458	120	9.0%
95.1%	1,300	1,420	120	9.2%
96.3%	1,202	1,409	207	17.2%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	600	-200	-25.0%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,529	4,600	71	1.6%
32.1%	4,353	4,600	247	5.7%
33.3%	4,279	4,588	307	7.2%
34.6%	4,268	4,458	190	4.5%
35.8%	4,251	4,397	146	3.4%
37.0%	4,214	4,352	138	3.3%
38.3%	4,212	4,283	72	1.7%
39.5%	4,198	4,278	79	1.9%
40.7%	4,191	4,268	77	1.8%
42.0%	4,191	4,258	67	1.6%
43.2%	4,160	4,222	62	1.5%
44.4%	4,157	4,211	55	1.3%
45.7%	4,140	4,191	51	1.2%
46.9%	4,123	4,171	48	1.2%
48.1%	4,098	4,157	59	1.4%
49.4%	4,096	4,156	60	1.5%
50.6%	4,093	4,110	17	0.4%
51.9%	4,056	4,056	0	0.0%
53.1%	4,009	4,034	26	0.6%
54.3%	3,998	3,994	-4	-0.1%
55.6%	3,971	3,971	0	0.0%
56.8%	3,954	3,968	14	0.4%
58.0%	3,931	3,954	23	0.6%
59.3%	3,931	3,946	15	0.4%
60.5%	3,917	3,928	10	0.3%
61.7%	3,858	3,919	61	1.6%
63.0%	3,828	3,890	62	1.6%
64.2%	3,822	3,877	56	1.5%
65.4%	3,804	3,833	29	0.8%
66.7%	3,787	3,831	44	1.2%
67.9%	3,739	3,804	65	1.7%
69.1%	3,739	3,754	15	0.4%
70.4%	3,703	3,730	27	0.7%
71.6%	3,699	3,718	19	0.5%
72.8%	3,688	3,703	15	0.4%
74.1%	3,679	3,688	9	0.2%
75.3%	3,634	3,648	14	0.4%
76.5%	3,560	3,584	23	0.7%
77.8%	3,560	3,560	0	0.0%
79.0%	3,525	3,522	-3	-0.1%
80.2%	3,452	3,322	-129	-3.8%
81.5%	3,355	3,264	-91	-2.7%
82.7%	3,324	2,952	-372	-11.2%
84.0%	3,322	2,848	-475	-14.3%
85.2%	3,303	2,817	-486	-14.7%
86.4%	3,138	2,815	-323	-10.3%
87.7%	3,129	2,812	-317	-10.1%
88.9%	3,052	2,734	-318	-10.4%
90.1%	2,793	2,645	-148	-5.3%
91.4%	2,726	2,515	-211	-7.7%
92.6%	2,574	2,464	-110	-4.3%
93.8%	2,459	1,929	-530	-21.6%
95.1%	2,43			

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

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,600	4,600	0	0.0%	
1.2%	4,600	4,600	0	0.0%	
2.5%	4,600	4,600	0	0.0%	
3.7%	4,600	4,600	0	0.0%	
4.9%	4,600	4,600	0	0.0%	
6.2%	4,600	4,600	0	0.0%	
7.4%	4,600	4,600	0	0.0%	
8.6%	4,600	4,600	0	0.0%	
9.9%	4,600	4,600	0	0.0%	
11.1%	4,600	4,600	0	0.0%	
12.3%	4,600	4,600	0	0.0%	
13.6%	4,600	4,600	0	0.0%	
14.8%	4,600	4,600	0	0.0%	
16.0%	4,600	4,600	0	0.0%	
17.3%	4,600	4,600	0	0.0%	
18.5%	4,600	4,600	0	0.0%	
19.8%	4,568	4,383	32	0.7%	
21.0%	4,423	4,568	145	3.3%	
22.2%	4,363	4,363	0	0.0%	
23.5%	4,194	4,239	46	1.1%	
24.7%	4,162	4,190	27	0.7%	
25.9%	4,117	4,162	46	1.1%	
27.2%	4,115	4,141	25	0.6%	
28.4%	3,941	4,118	176	4.5%	
29.6%	3,843	4,117	273	7.1%	
30.9%	3,807	4,115	309	8.1%	
32.1%	3,804	3,942	138	3.6%	
33.3%	3,680	3,843	163	4.4%	
34.6%	3,673	3,807	134	3.6%	
35.8%	3,630	3,804	174	4.8%	
37.0%	3,624	3,680	56	1.6%	
38.3%	3,616	3,639	23	0.6%	
39.5%	3,558	3,630	72	2.0%	
40.7%	3,520	3,624	103	2.9%	
42.0%	3,519	3,520	1	0.0%	
43.2%	3,472	3,519	47	1.4%	
44.4%	3,425	3,472	46	1.3%	
45.7%	3,377	3,425	48	1.4%	
46.9%	3,361	3,377	16	0.5%	
48.1%	3,360	3,361	2	0.0%	
49.4%	3,349	3,360	10	0.3%	
50.6%	3,335	3,349	14	0.4%	
51.9%	3,319	3,338	19	0.6%	
53.1%	3,311	3,337	26	0.8%	
54.3%	3,281	3,319	38	1.2%	
55.6%	3,232	3,311	79	2.4%	
56.8%	3,136	3,304	105	3.3%	
58.0%	3,191	3,281	90	2.8%	
59.3%	3,150	3,215	65	2.1%	
60.5%	3,140	3,199	59	1.9%	
61.7%	3,068	3,150	82	2.7%	
63.0%	3,033	3,068	36	1.2%	
64.2%	2,904	3,033	129	4.4%	
65.4%	2,800	3,000	200	7.1%	
66.7%	2,784	2,904	120	4.3%	
67.9%	2,765	2,809	44	1.6%	
69.1%	2,570	2,800	230	8.9%	
70.4%	2,505	2,696	190	7.6%	
71.6%	2,499	2,570	71	2.8%	
72.8%	2,331	2,505	174	7.5%	
74.1%	2,309	2,499	190	8.2%	
75.3%	2,305	2,442	137	6.0%	
76.5%	2,285	2,331	46	2.0%	
77.8%	2,246	2,291	46	2.0%	
79.0%	2,231	2,289	57	2.6%	
80.2%	2,103	2,246	143	6.8%	
81.5%	2,008	2,231	223	11.1%	
82.7%	1,973	2,103	130	6.6%	
84.0%	1,972	2,009	38	1.9%	
85.2%	1,804	1,872	68	3.8%	
86.4%	1,726	1,819	93	5.4%	
87.7%	1,690	1,806	116	6.9%	
88.9%	1,551	1,726	175	11.3%	
90.1%	1,254	1,660	436	34.8%	
91.4%	1,250	1,601	351	28.0%	
92.6%	1,167	1,551	383	32.9%	
93.8%	1,091	1,300	209	19.2%	
95.1%	1,055	1,194	139	13.2%	
96.3%	1,013	1,001	-13	-1.2%	
97.5%	963	963	0	0.0%	
98.8%	800	939	139	17.4%	
100.0%	721	719	-2	-0.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,600	4,600	0	0.0%	
1.2%	4,600	4,600	0	0.0%	
2.5%	4,600	4,600	0	0.0%	
3.7%	4,600	4,600	0	0.0%	
4.9%	4,600	4,600	0	0.0%	
6.2%	4,600	4,600	0	0.0%	
7.4%	4,600	4,600	0	0.0%	
8.6%	4,600	4,600	0	0.0%	
9.9%	4,600	4,600	0	0.0%	
11.1%	4,600	4,600	0	0.0%	
12.3%	4,600	4,600	0	0.0%	
13.6%	4,600	4,600	0	0.0%	
14.8%	4,600	4,600	0	0.0%	
16.0%	4,600	4,600	0	0.0%	
17.3%	4,600	4,600	0	0.0%	
18.5%	4,600	4,498	-102	-2.2%	
19.8%	4,600	4,383	-217	-4.7%	
21.0%	4,578	4,375	-203	-4.4%	
22.2%	4,257	4,309	53	1.2%	
23.5%	4,234	4,234	0	0.0%	
24.7%	4,216	4,124	-91	-2.2%	
25.9%	4,124	3,947	-178	-4.3%	
27.2%	4,116	3,909	-207	-5.0%	
28.4%	4,108	3,825	-283	-6.9%	
29.6%	4,061	3,745	-316	-7.8%	
30.9%	3,947	3,742	-205	-5.2%	
32.1%	3,825	3,695	-130	-3.4%	
33.3%	3,742	3,689	-52	-1.4%	
34.6%	3,695	3,577	-118	-3.2%	
35.8%	3,577	3,573	-4	-0.1%	
37.0%	3,571	3,457	-114	-3.2%	
38.3%	3,457	3,456	0	0.0%	
39.5%	3,437	3,445	8	0.2%	
40.7%	3,346	3,414	68	2.0%	
42.0%	3,306	3,306	0	0.0%	
43.2%	3,247	3,343	96	2.9%	
44.4%	3,249	3,343	94	2.9%	
45.7%	3,244	3,306	63	1.9%	
46.9%	3,208	3,244	36	1.1%	
48.1%	3,154	3,238	84	2.7%	
49.4%	3,122	3,122	0	0.0%	
50.6%	3,011	3,061	50	1.7%	
51.9%	2,984	2,949	-35	-1.2%	
53.1%	2,949	2,906	-43	-1.5%	
54.3%	2,939	2,671	-268	-9.1%	
55.6%	2,906	2,656	-250	-8.6%	
56.8%	2,656	2,656	0	0.0%	
58.0%	2,594	2,638	44	1.7%	
59.3%	2,539	2,594	55	2.2%	
60.5%	2,537	2,566	29	1.2%	
61.7%	2,536	2,564	27	1.1%	
63.0%	2,531	2,531	0	0.0%	
64.2%	2,529	2,527	-2	-0.1%	
65.4%	2,527	2,499	-28	-1.1%	
66.7%	2,500	2,474	-26	-1.0%	
67.9%	2,458	2,467	8	0.3%	
69.1%	2,429	2,444	15	0.6%	
70.4%	2,343	2,404	61	2.6%	
71.6%	2,343	2,385	42	1.8%	
72.8%	2,299	2,343	44	1.9%	
74.1%	2,126	2,266	140	6.6%	
75.3%	2,085	2,012	-73	-3.5%	
76.5%	1,991	1,991	0	0.0%	
77.8%	1,990	1,987	-3	-0.2%	
79.0%	1,967	1,933	-34	-1.7%	
80.2%	1,933	1,855	-78	-4.0%	
81.5%	1,855	1,797	-58	-3.1%	
82.7%	1,797	1,770	-27	-1.5%	
84.0%	1,641	1,748	107	6.5%	
85.2%	1,641	1,745	104	6.4%	
86.4%	1,525	1,499	-26	-1.7%	
87.7%	1,499	1,336	-163	-10.9%	
88.9%	1,342	1,291	-51	-3.8%	
90.1%	1,336	1,273	-63	-4.7%	
91.4%	1,291	1,204	-87	-6.7%	
92.6%	1,273	1,090	-183	-14.4%	
93.8%	1,204	1,039	-165	-13.7%	
95.1%	1,039	1,008	-31	-3.0%	
96.3%	800	800	0	0.0%	
97.5%	800	800	0	0.0%	
98.8%	800	800	0	0.0%	
100.0%	637	739	102	16.1%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,373	2,734	-639	-18.9%	
1.2%	2,734	2,726	-8	-0.3%	
2.5%	2,722	2,722	0	0.0%	
3.7%	2,621	2,617	-4	-0.1%	
4.9%	2,505	2,497	-8	-0.3%	
6.2%	2,241	2,237	-4	-0.2%	
7.4%	2,086	2,078	-8	-0.4%	
8.6%	1,852	1,847	-5	-0.3%	
9.9%	1,751	1,747	-4	-0.2%	
11.1%	1,665	1,657	-8	-0.5%	
12.3%	1,622	1,622	0	0.0%	
13.6%	1,604	1,604	0	0.0%	
14.8%	1,487	1,488	0	0.0%	
16.0%	1,426	1,426	0	0.0%	
17.3%	1,392	1,392	0	0.0%	
18.5%	1,377	1,377	0	0.0%	
19.8%	1,343	1,367	24	1.8%	
21.0%	1,299	1,343	44	3.4%	
22.2%	1,295	1,325	30	2.3%	
23.5%	1,275	1,299	24	1.9%	
24.7%	1,270	1,270	0	0.0%	
25.9%	1,246	1,246	0	0.0%	
27.2%	1,208	1,208	0	0.0%	
28.4%	1,201	1,205	4	0.3%	
29.6%	1,201	1,201	0	0.0%	
30.9%	1,194	1,200	6	0.5%	
32.1%	1,170	1,194	24	2.1%	
33.3%	1,142	1,169	27	2.4%	
34.6%	1,135	1,165	30	2.6%	
35.8%	1,124	1,142	18	1.6%	
37.0%	1,118	1,135	17	1.6%	
38.3%	1,104	1,124	19	1.8%	
39.5%	1,101	1,118	17	1.5%	
40.7%	1,099	1,101	2	0.2%	
42.0%	1,097	1,099	2	0.2%	
43.2%	1,096	1,097	1	0.1%	
44.4%	1,084	1,097	12	1.1%	
45.7%	1,078	1,096	17	1.6%	
46.9%	1,051	1,079	28	2.6%	
48.1%	1,049	1,051	2	0.2%	
49.4%	1,044	1,049	5	0.5%	
50.6%	1,036	1,044	8	0.8%	
51.9%	1,032	1,032	0	0.0%	
53.1%	1,028	1,028	0	0.0%	
54.3%	1,028	1,028	0	0.0%	
55.6%	1,020	1,020	0	0.0%	
56.8%	1,004	1,004	0	0.0%	
58.0%	1,002	1,002	0	0.0%	
59.3%	996	996	0	0.0%	
60.5%	988	988	0	0.0%	
61.7%	985	985	0	0.0%	
63.0%	977	977	0	0.0%	
64.2%	976	976	0	0.0%	
65.4%	971	971	0	0.0%	
66.7%	970	970	0	0.0%	
67.9%	963	963	0	0.0%	
69.1%	924	924	0	0.0%	
70.4%	924	924	0	0.0%	
71.6%	893	893	0	0.0%	
72.8%	889	889	0	0.0%	
74.1%	864	864	0	0.0%	
75.3%	806	800	-6	-0.8%	
76.5%	800	800			



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

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,600	4,600	0	0.0%	
1.2%	4,600	4,600	0	0.0%	
2.5%	4,600	4,600	0	0.0%	
3.7%	4,600	4,600	0	0.0%	
4.9%	4,600	4,600	0	0.0%	
6.2%	4,600	4,600	0	0.0%	
7.4%	4,600	4,600	0	0.0%	
8.6%	4,600	4,600	0	0.0%	
9.9%	4,600	4,600	0	0.0%	
11.1%	4,600	4,600	0	0.0%	
12.3%	4,455	4,575	120	2.7%	
13.6%	4,399	4,455	56	1.3%	
14.8%	4,385	4,395	0	0.0%	
16.0%	4,165	4,165	0	0.0%	
17.3%	4,060	4,060	0	0.0%	
18.5%	3,961	4,061	0	0.0%	
19.8%	3,814	3,866	52	1.4%	
21.0%	3,556	3,720	165	4.6%	
22.2%	3,535	3,683	148	4.2%	
23.5%	3,442	3,599	158	4.6%	
24.7%	3,422	3,442	20	0.6%	
25.9%	3,374	3,422	48	1.4%	
27.2%	3,370	3,343	-27	-0.8%	
28.4%	3,352	3,252	-99	-2.7%	
29.6%	3,259	3,237	-22	-0.7%	
30.9%	3,245	3,068	-177	-5.5%	
32.1%	3,237	2,957	-280	-8.6%	
33.3%	3,169	2,936	-232	-7.3%	
34.6%	3,086	2,893	-192	-6.2%	
35.8%	3,078	2,878	-201	-6.5%	
37.0%	3,076	2,854	-222	-7.2%	
38.3%	2,922	2,852	-70	-2.4%	
39.5%	2,892	2,851	-42	-1.4%	
40.7%	2,878	2,848	-30	-1.0%	
42.0%	2,843	2,843	-11	-0.4%	
43.2%	2,851	2,735	-116	-4.1%	
44.4%	2,736	2,690	-45	-1.7%	
45.7%	2,712	2,659	-52	-1.9%	
46.9%	2,693	2,640	-53	-2.0%	
48.1%	2,690	2,613	-77	-2.9%	
49.4%	2,675	2,526	-149	-5.6%	
50.6%	2,659	2,364	-295	-11.1%	
51.9%	2,646	2,347	-299	-11.3%	
53.1%	2,640	2,231	-409	-15.5%	
54.3%	2,613	2,041	-572	-21.9%	
55.6%	2,599	2,008	-592	-22.8%	
56.8%	2,583	1,978	-605	-23.4%	
58.0%	2,526	1,930	-595	-23.6%	
59.3%	2,364	1,863	-501	-21.2%	
60.5%	2,341	1,860	-482	-20.6%	
61.7%	2,204	1,851	-353	-16.0%	
63.0%	1,930	1,837	-94	-4.9%	
64.2%	1,886	1,726	-161	-8.5%	
65.4%	1,837	1,698	-139	-7.6%	
66.7%	1,802	1,675	-127	-7.1%	
67.9%	1,725	1,668	-57	-3.3%	
69.1%	1,698	1,668	-30	-1.8%	
70.4%	1,675	1,656	-19	-1.1%	
71.6%	1,668	1,653	-15	-0.9%	
72.8%	1,668	1,642	-25	-1.5%	
74.1%	1,656	1,640	-16	-1.0%	
75.3%	1,653	1,637	-16	-1.0%	
76.5%	1,643	1,636	-7	-0.4%	
77.8%	1,637	1,620	-17	-1.1%	
79.0%	1,619	1,608	-12	-0.7%	
80.2%	1,585	1,521	-64	-4.1%	
81.5%	1,521	1,421	-100	-6.6%	
82.7%	1,385	1,392	8	0.6%	
84.0%	800	702	-98	-12.3%	
85.2%	699	699	0	0.0%	
86.4%	598	598	0	0.0%	
87.7%	529	529	0	0.0%	
88.9%	428	428	0	0.0%	
90.1%	427	427	0	0.0%	
91.4%	421	420	-1	-0.1%	
92.6%	344	409	65	18.9%	
93.8%	320	345	25	7.9%	
95.1%	277	335	58	20.9%	
96.3%	260	280	21	8.0%	
97.5%	241	241	0	0.0%	
98.8%	226	226	0	0.0%	
100.0%	90	131	41		

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,600	4,600	0	0.0%	
1.2%	4,600	4,600	0	0.0%	
2.5%	4,600	4,600	0	0.0%	
3.7%	4,600	4,600	0	0.0%	
4.9%	4,600	4,600	0	0.0%	
6.2%	4,600	4,600	0	0.0%	
7.4%	4,600	4,600	0	0.0%	
8.6%	4,600	4,600	0	0.0%	
9.9%	4,600	4,600	0	0.0%	
11.1%	4,600	4,600	0	0.0%	
12.3%	4,600	4,600	0	0.0%	
13.6%	4,600	4,600	0	0.0%	
14.8%	4,600	4,600	0	0.0%	
16.0%	4,600	4,600	0	0.0%	
17.3%	4,600	4,600	0	0.0%	
18.5%	4,600	4,600	0	0.0%	
19.8%	4,600	4,600	0	0.0%	
21.0%	4,600	4,600	0	0.0%	
22.2%	4,600	4,600	0	0.0%	
23.5%	4,600	4,600	0	0.0%	
24.7%	4,600	4,600	0	0.0%	
25.9%	4,600	4,600	0	0.0%	
27.2%	4,600	4,600	0	0.0%	
28.4%	4,600	4,600	0	0.0%	
29.6%	4,600	4,600	0	0.0%	
30.9%	4,600	4,600	0	0.0%	
32.1%	4,600	4,600	0	0.0%	
33.3%	4,600	4,600	0	0.0%	
34.6%	4,600	4,600	0	0.0%	
35.8%	4,600	4,600	0	0.0%	
37.0%	4,600	4,600	0	0.0%	
38.3%	4,600	4,600	0	0.0%	
39.5%	4,600	4,600	0	0.0%	
40.7%	4,600	4,600	0	0.0%	
42.0%	4,600	4,600	0	0.0%	
43.2%	4,600	4,600	0	0.0%	
44.4%	4,600	4,600	0	0.0%	
45.7%	4,600	4,600	0	0.0%	
46.9%	4,600	4,600	0	0.0%	
48.1%	4,600	4,600	0	0.0%	
49.4%	4,600	4,600	0	0.0%	
50.6%	4,600	4,600	0	0.0%	
51.9%	4,600	4,600	0	0.0%	
53.1%	4,600	4,600	0	0.0%	
54.3%	4,584	4,600	16	0.4%	
55.6%	4,583	4,600	17	0.4%	
56.8%	4,582	4,600	18	0.4%	
58.0%	4,581	4,600	19	0.4%	
59.3%	4,562	4,584	22	0.5%	
60.5%	4,481	4,583	103	2.3%	
61.7%	4,456	4,583	127	2.8%	
63.0%	4,275	4,582	306	7.2%	
64.2%	4,150	4,531	381	9.2%	
65.4%	4,133	4,525	392	9.5%	
66.7%	4,115	4,463	348	8.5%	
67.9%	4,056	4,451	396	9.8%	
69.1%	3,946	4,317	371	9.4%	
70.4%	3,869	4,314	446	11.5%	
71.6%	3,827	4,308	481	12.6%	
72.8%	3,802	4,308	506	13.3%	
74.1%	3,660	4,205	545	14.9%	
75.3%	3,643	4,106	463	12.7%	
76.5%	3,620	4,036	416	11.5%	
77.8%	3,547	4,013	466	13.1%	
79.0%	3,396	3,696	300	8.8%	
80.2%	3,367	3,527	160	4.7%	
81.5%	3,271	3,504	233	7.1%	
82.7%	3,236	3,503	267	8.3%	
84.0%	3,142	3,347	205	6.5%	
85.2%	3,062	3,262	199	6.5%	
86.4%	3,060	3,106	47	1.5%	
87.7%	3,052	3,040	-12	-0.4%	
88.9%	2,958	3,010	52	1.8%	
90.1%	2,786	2,786	-242	-8.7%	
91.4%	2,572	2,232	-340	-13.2%	
92.6%	2,153	2,129	-24	-1.1%	
93.8%	1,135	1,789	655	57.7%	
95.1%	927	1,756	833	90.3%	
96.3%	800	1,118	318	39.7%	
97.5%	800	1,093	293	36.7%	
98.8%	600	904	304	50.7%	
100.0%	600	600	0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,600	4,600	0	0.0%	
1.2%	4,600	4,600	0	0.0%	
2.5%	4,600	4,600	0	0.0%	
3.7%	4,600	4,600	0	0.0%	
4.9%	4,600	4,600	0	0.0%	
6.2%	4,600	4,600	0	0.0%	
7.4%	4,600	4,600	0	0.0%	
8.6%	4,600	4,600	0	0.0%	
9.9%	4,600	4,600	0	0.0%	
11.1%	4,600	4,600	0	0.0%	
12.3%	4,600	4,600	0	0.0%	
13.6%	4,600	4,600	0	0.0%	
14.8%	4,600	4,600	0	0.0%	
16.0%	4,600	4,600	0	0.0%	
17.3%	4,600	4,600	0	0.0%	
18.5%	4,600	4,600	0	0.0%	
19.8%	4,600	4,600	0	0.0%	
21.0%	4,600	4,600	0	0.0%	
22.2%	4,600	4,600	0	0.0%	
23.5%	4,600	4,600	0	0.0%	
24.7%	4,600	4,600	0	0.0%	
25.9%	4,600	4,600	0	0.0%	
27.2%	4,600	4,600	0	0.0%	
28.4%	4,600	4,600	0	0.0%	
29.6%	4,600	4,600	0	0.0%	
30.9%	4,600	4,600	0	0.0%	
32.1%	4,600	4,600	0	0.0%	
33.3%	4,600	4,600	0	0.0%	
34.6%	4,600	4,600	0	0.0%	
35.8%	4,600	4,600	0	0.0%	
37.0%	4,600	4,600	0	0.0%	
38.3%	4,600	4,600	0	0.0%	
39.5%	4,600	4,600	0	0.0%	
40.7%	4,600	4,600	0	0.0%	
42.0%	4,600	4,600	0	0.0%	
43.2%	4,600	4,600	0	0.0%	
44.4%	4,600	4,600	0	0.0%	
45.7%	4,600	4,600	0	0.0%	
46.9%	4,600	4,600	0	0.0%	
48.1%	4,600	4,600	0	0.0%	
49.4%	4,600	4,600	0	0.0%	
50.6%	4,600	4,600	0	0.0%	
51.9%	4,340	4,600	260	6.0%	
53.1%	4,229	4,600	371	8.8%	
54.3%	4,224	4,600	376	8.9%	
55.6%	4,175	4,600	425	10.2%	
56.8%	4,058	4,600	542	13.4%	
58.0%	4,031	4,600	569	14.1%	
59.3%	4,003	4,521	518	12.9%	
60.5%	3,984	4,510	526	13.2%	
61.7%	3,927	4,490	564	14.4%	
63.0%	3,836	4,432	596	15.5%	
64.2%	3,833	4,431	598	15.6%	
65.4%	3,818	4,429	611	16.0%	
66.7%	3,712	4,424	712	19.2%	
67.9%	3,689	4,421	732	19.8%	
69.1%	3,676	4,415	739	20.1%	
70.4%	3,668	4,414	746	20.3%	
71.6%	3,624	4,412	788	21.7%	
72.8%	3,360	4,389	850	24.0%	
74.1%	3,342	4,305	958	28.6%	
75.3%	3,278	4,257			

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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	3,288	3,870	4,967	3,645	4,049	4,051	1,186	1,017	2,483	5,978	5,174	5,099
DCR 2015 With Project	3,657	4,217	5,173	3,674	4,056	3,967	1,181	1,021	2,520	6,094	5,507	5,456
Difference	369	347	206	29	7	-84	-5	4	37	115	333	356
Percent Difference <sup>2</sup>	11.2%	9.0%	4.1%	0.8%	0.2%	-2.1%	-0.4%	0.4%	1.5%	1.9%	6.4%	7.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3,765	3,809	6,365	4,598	5,525	5,924	1,769	1,616	4,174	6,897	7,102	6,501
DCR 2015 With Project	3,833	3,975	6,389	4,626	5,591	5,833	1,764	1,610	4,125	6,882	7,102	6,114
Difference	68	166	24	28	67	-91	-5	-6	-49	-15	0	-386
Percent Difference	1.8%	4.4%	0.4%	0.6%	1.2%	-1.5%	-0.3%	-0.4%	-1.2%	-0.2%	0.0%	-5.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	4,220	4,844	5,688	3,650	4,025	4,655	1,070	803	3,021	6,585	7,013	6,680
DCR 2015 With Project	4,345	4,998	5,699	3,504	3,894	4,712	1,069	803	2,993	6,463	7,013	6,596
Difference	125	154	11	-146	-131	57	-1	0	-28	-121	0	-84
Percent Difference	3.0%	3.2%	0.2%	-4.0%	-3.3%	1.2%	-0.1%	0.0%	-0.9%	-1.8%	0.0%	-1.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	5,003	5,045	4,808	3,163	3,831	4,044	1,010	743	2,086	6,971	6,895	6,146
DCR 2015 With Project	5,352	5,213	5,170	3,270	3,732	3,940	1,005	743	2,212	6,975	6,860	6,552
Difference	349	168	362	107	-98	-104	-5	0	126	4	-35	406
Percent Difference	7.0%	3.3%	7.5%	3.4%	-2.6%	-2.6%	-0.5%	0.0%	6.1%	0.1%	-0.5%	6.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2,164	3,594	3,529	3,253	2,974	2,434	893	791	1,405	6,046	2,892	3,649
DCR 2015 With Project	3,163	4,345	4,220	3,243	2,970	2,308	894	813	1,491	6,475	3,964	5,015
Difference	998	751	690	-10	-4	-126	1	22	86	429	1,072	1,365
Percent Difference	46.1%	20.9%	19.6%	-0.3%	-0.1%	-5.2%	0.1%	2.8%	6.1%	7.1%	37.1%	37.4%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,009	2,069	3,557	2,725	2,745	1,821	686	591	362	2,123	573	1,437
DCR 2015 With Project	1,350	2,607	3,445	2,898	2,898	1,697	668	599	474	2,415	1,284	2,270
Difference	341	538	-113	173	153	-124	-18	8	112	292	712	833
Percent Difference	33.8%	26.0%	-3.2%	6.3%	5.6%	-6.8%	-2.6%	1.4%	31.0%	13.7%	124.2%	57.9%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



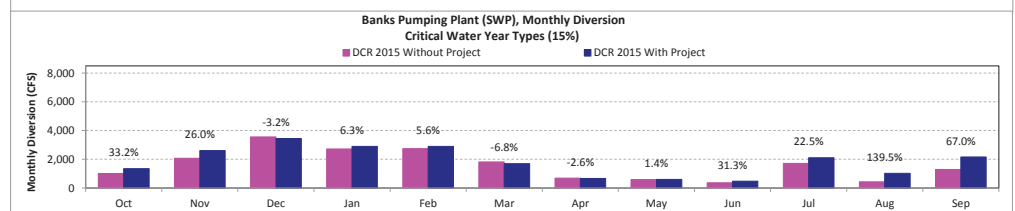
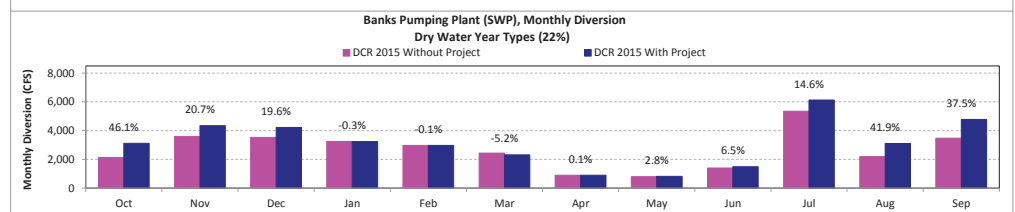
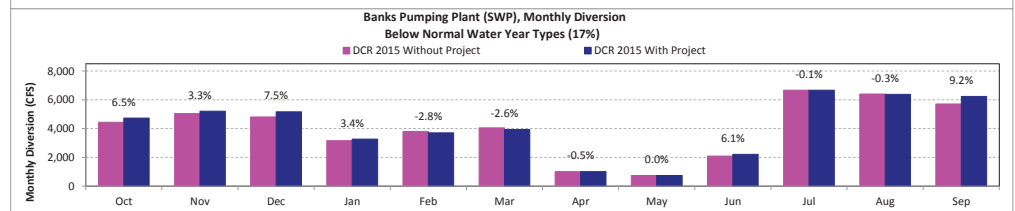
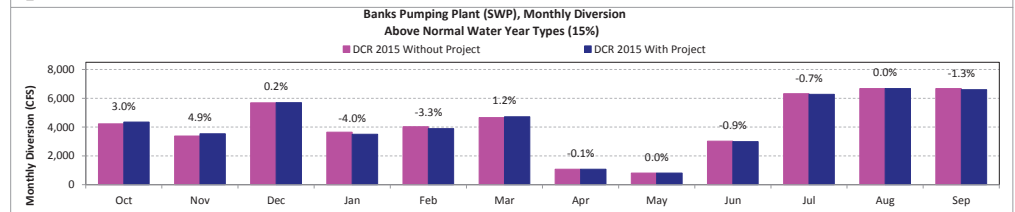
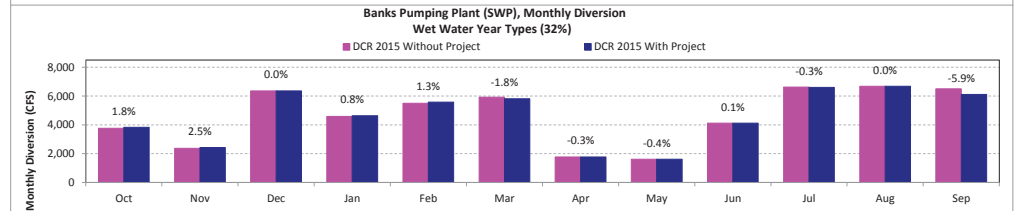
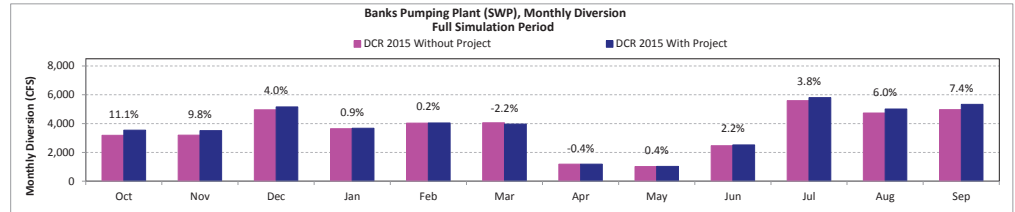
Table SW-39-a  
Banks Pumping Plant (SWP), Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	3,186	3,197	4,962	3,643	4,038	4,051	1,186	1,017	2,463	5,587	4,731	4,966
DCR 2015 With Project	3,541	3,510	5,160	3,674	4,044	3,961	1,181	1,021	2,518	5,801	5,017	5,333
Difference	355	313	198	31	7	-89	-5	4	55	214	286	367
Percent Difference <sup>2</sup>	11.1%	9.8%	4.0%	0.9%	0.2%	-2.2%	-0.4%	0.4%	2.2%	3.8%	6.0%	7.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3,765	2,366	6,352	4,590	5,501	5,924	1,769	1,616	4,114	6,620	6,680	6,501
DCR 2015 With Project	3,833	2,424	6,351	4,626	5,572	5,816	1,764	1,610	4,117	6,602	6,680	6,114
Difference	68	58	-2	36	71	-108	-5	-6	3	-18	0	-386
Percent Difference	1.8%	2.5%	0.0%	0.8%	1.3%	-1.8%	-0.3%	-0.4%	0.1%	-0.3%	0.0%	-5.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	4,220	3,374	5,688	3,650	4,025	4,655	1,070	803	3,021	6,321	6,680	6,680
DCR 2015 With Project	4,345	3,538	5,699	3,504	3,894	4,712	1,069	803	2,993	6,275	6,680	6,596
Difference	125	164	11	-146	-131	57	-1	0	-28	-46	0	-84
Percent Difference	3.0%	4.9%	0.2%	-4.0%	-3.3%	1.2%	-0.1%	0.0%	-0.9%	-0.7%	0.0%	-1.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	4,441	5,045	4,803	3,163	3,806	4,044	1,010	743	2,086	6,669	6,396	5,711
DCR 2015 With Project	4,731	5,212	5,165	3,270	3,700	3,940	1,005	743	2,212	6,664	6,378	6,234
Difference	290	167	362	107	-106	-104	-5	0	126	-5	-18	523
Percent Difference	6.5%	3.3%	7.5%	3.4%	-2.8%	-2.6%	-0.5%	0.0%	6.1%	-0.1%	-0.3%	9.2%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2,135	3,594	3,529	3,253	2,974	2,434	893	791	1,400	5,343	2,190	3,474
DCR 2015 With Project	3,120	4,339	4,220	3,243	2,970	2,308	894	813	1,491	6,123	3,108	4,776
Difference	985	744	690	-10	-4	-126	1	22	91	780	918	1,302
Percent Difference	46.1%	20.7%	19.6%	-0.3%	-0.1%	-5.2%	0.1%	2.8%	6.5%	14.6%	41.9%	37.5%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,009	2,069	3,557	2,725	2,745	1,821	686	591	361	1,715	429	1,294
DCR 2015 With Project	1,344	2,607	3,445	2,898	2,898	1,697	668	599	474	2,101	1,028	2,161
Difference	335	538	-113	173	153	-124	-18	8	113	385	599	867
Percent Difference	33.2%	26.0%	-3.2%	6.3%	5.6%	-6.8%	-2.6%	1.4%	31.3%	22.5%	139.5%	67.0%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

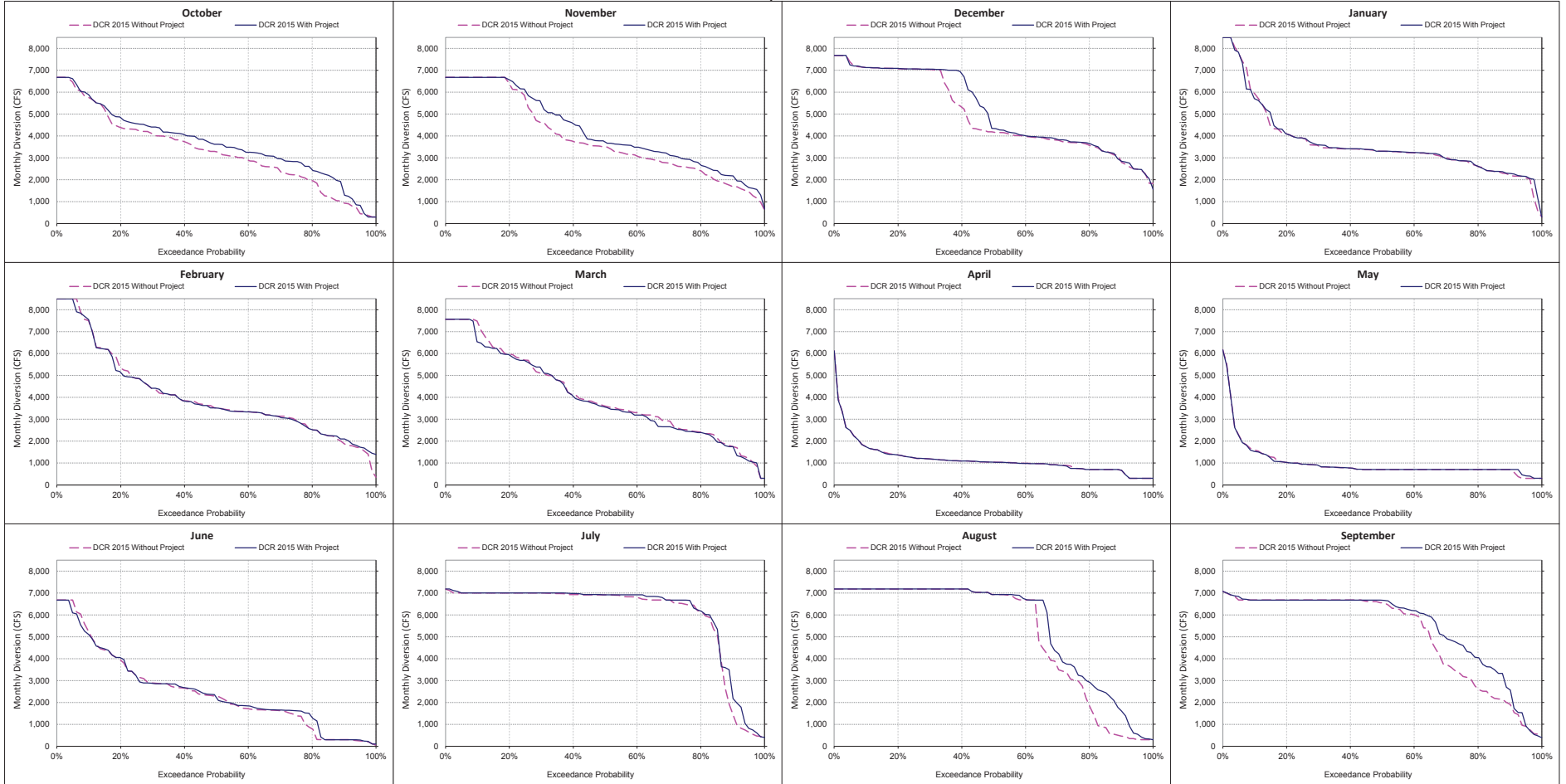


Table SW-38-b  
Banks Pumping Plant (SWP and CVP), Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,626	6,680	54	0.8%	
4.9%	6,456	6,622	166	2.6%	
6.2%	6,100	6,351	251	4.1%	
7.4%	6,087	6,035	-52	-0.9%	
8.6%	5,830	6,015	185	3.2%	
9.9%	5,762	5,884	122	2.1%	
11.1%	5,665	5,670	4	0.1%	
12.3%	5,515	5,512	-3	-0.1%	
13.6%	5,483	5,476	-8	-0.1%	
14.8%	5,245	5,376	132	2.5%	
16.0%	4,878	5,169	291	6.0%	
17.3%	4,545	4,966	421	9.3%	
18.5%	4,471	4,878	408	9.1%	
19.8%	4,395	4,670	275	6.3%	
21.0%	4,338	4,711	373	8.6%	
22.2%	4,321	4,656	335	7.8%	
23.5%	4,315	4,600	285	6.6%	
24.7%	4,303	4,566	263	6.1%	
25.9%	4,222	4,544	322	7.6%	
27.2%	4,210	4,529	318	7.6%	
28.4%	4,204	4,460	256	6.1%	
29.6%	4,120	4,410	290	7.0%	
30.9%	4,009	4,405	396	9.9%	
32.1%	4,000	4,378	378	9.4%	
33.3%	3,998	4,181	183	4.6%	
34.6%	3,951	4,175	224	5.7%	
35.8%	3,930	4,155	225	5.7%	
37.0%	3,828	4,126	299	7.8%	
38.3%	3,820	4,118	298	7.8%	
39.5%	3,763	4,084	320	8.5%	
40.7%	3,698	4,005	307	8.3%	
42.0%	3,609	4,001	392	10.9%	
43.2%	3,463	3,988	524	15.1%	
44.4%	3,400	3,856	456	13.4%	
45.7%	3,378	3,854	476	14.1%	
46.9%	3,344	3,766	422	12.6%	
48.1%	3,297	3,685	387	11.8%	
49.4%	3,295	3,621	326	10.0%	
50.6%	3,259	3,621	362	11.1%	
51.9%	3,142	3,614	472	15.0%	
53.1%	3,117	3,489	373	12.0%	
54.3%	3,087	3,466	379	12.3%	
55.6%	3,069	3,478	409	13.3%	
56.8%	3,015	3,400	385	12.8%	
58.0%	3,010	3,365	355	11.8%	
59.3%	2,941	3,262	322	10.9%	
60.5%	2,858	3,262	404	14.1%	
61.7%	2,848	3,249	402	14.1%	
63.0%	2,779	3,217	438	15.7%	
64.2%	2,632	3,180	548	20.8%	
65.4%	2,603	3,094	492	18.9%	
66.7%	2,590	3,088	498	19.2%	
67.9%	2,584	3,074	490	19.0%	
69.1%	2,543	2,963	419	16.5%	
70.4%	2,328	2,957	630	27.1%	
71.6%	2,301	2,859	558	24.2%	
72.8%	2,240	2,840	600	26.8%	
74.1%	2,226	2,833	608	27.3%	
75.3%	2,226	2,828	602	27.1%	
76.5%	2,135	2,773	638	29.9%	
77.8%	2,079	2,620	540	26.0%	
79.0%	1,971	2,609	638	32.4%	
80.2%	1,952	2,422	470	24.1%	
81.5%	1,844	2,389	545	29.6%	
82.7%	1,425	2,316	891	62.5%	
84.0%	1,265	2,149	983	77.7%	
85.2%	1,245	2,205	960	77.1%	
86.4%	1,140	2,110	970	85.1%	
87.7%	1,045	1,973	928	88.8%	
88.9%	1,031	1,924	892	86.5%	
90.1%	929	1,297	368	39.6%	
91.4%	903	1,241	338	37.4%	
92.6%	790	1,118	328	41.5%	
93.8%	727	857	130	17.8%	
95.1%	448	826	378	84.3%	
96.3%	426	469	43	7.9%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,680	6,680	0	0.0%	
6.2%	6,680	6,680	0	0.0%	
7.4%	6,680	6,680	0	0.0%	
8.6%	6,680	6,680	0	0.0%	
9.9%	6,680	6,680	0	0.0%	
11.1%	6,680	6,680	0	0.0%	
12.3%	6,680	6,680	0	0.0%	
13.6%	6,680	6,680	0	0.0%	
14.8%	6,680	6,680	0	0.0%	
16.0%	6,680	6,680	0	0.0%	
17.3%	6,680	6,680	0	0.0%	
18.5%	6,680	6,680	0	0.0%	
19.8%	6,444	6,576	132	2.1%	
21.0%	6,133	6,481	348	5.7%	
22.2%	6,116	6,299	184	3.0%	
23.5%	6,032	6,160	128	2.1%	
24.7%	5,870	6,142	272	4.6%	
25.9%	5,302	5,836	534	10.1%	
27.2%	5,069	5,731	662	13.1%	
28.4%	4,708	5,622	914	19.4%	
29.6%	4,622	5,607	985	21.3%	
30.9%	4,610	5,210	600	13.0%	
32.1%	4,393	5,068	675	15.4%	
33.3%	4,272	5,065	793	18.6%	
34.6%	4,094	4,956	862	21.0%	
35.8%	4,055	4,953	898	22.2%	
37.0%	3,832	4,730	899	23.5%	
38.3%	3,809	4,676	867	22.8%	
39.5%	3,778	4,616	838	22.2%	
40.7%	3,713	4,498	785	21.2%	
42.0%	3,689	4,462	773	21.0%	
43.2%	3,674	4,140	466	12.7%	
44.4%	3,608	3,861	252	7.0%	
45.7%	3,557	3,834	278	7.8%	
46.9%	3,551	3,793	241	6.8%	
48.1%	3,543	3,784	241	6.8%	
49.4%	3,521	3,779	257	7.3%	
50.6%	3,496	3,673	177	5.1%	
51.9%	3,400	3,669	269	7.9%	
53.1%	3,272	3,636	364	11.1%	
54.3%	3,263	3,624	361	11.1%	
55.6%	3,221	3,598	377	11.7%	
56.8%	3,165	3,579	414	13.1%	
58.0%	3,163	3,569	406	12.9%	
59.3%	3,136	3,490	354	11.3%	
60.5%	3,054	3,488	434	14.2%	
61.7%	3,005	3,433	428	14.3%	
63.0%	2,966	3,386	420	14.2%	
64.2%	2,952	3,342	390	13.2%	
65.4%	2,910	3,292	383	13.2%	
66.7%	2,884	3,286	402	13.9%	
67.9%	2,793	3,242	448	16.0%	
69.1%	2,774	3,216	442	15.9%	
70.4%	2,759	3,113	355	12.9%	
71.6%	2,682	3,084	403	15.0%	
72.8%	2,615	3,047	432	16.5%	
74.1%	2,601	2,969	368	14.2%	
75.3%	2,585	2,937	352	13.6%	
76.5%	2,544	2,925	382	15.0%	
77.8%	2,532	2,832	300	11.8%	
79.0%	2,472	2,791	319	12.9%	
80.2%	2,392	2,646	254	10.6%	
81.5%	2,228	2,597	369	16.6%	
82.7%	2,199	2,512	313	14.2%	
84.0%	2,029	2,434	405	20.0%	
85.2%	1,948	2,419	471	24.2%	
86.4%	1,909	2,240	332	17.4%	
87.7%	1,827	2,201	375	20.5%	
88.9%	1,757	2,194	437	24.9%	
90.1%	1,679	2,173	494	29.4%	
91.4%	1,652	1,941	289	17.5%	
92.6%	1,589	1,938	349	22.0%	
93.8%	1,517	1,759	243	16.0%	
95.1%	1,452	1,642	190	13.1%	
96.3%	1,274	1,603	329	25.8%	
97.5%	1,162	1,562	400	34.4%	
98.8%	972	1,300	328	33.7%	
100.0%	608	661	53	8.8%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,678	7,678	0	0.0%	
1.2%	7,678	7,678	0	0.0%	
2.5%	7,678	7,678	0	0.0%	
3.7%	7,678	7,678	0	0.0%	
4.9%	7,383	7,251	-133	-1.8%	
6.2%	7,201	7,201	0	0.0%	
7.4%	7,170	7,200	30	0.4%	
8.6%	7,148	7,148	0	0.0%	
9.9%	7,125	7,125	0	0.0%	
11.1%	7,124	7,124	0	0.0%	
12.3%	7,119	7,119	0	0.0%	
13.6%	7,117	7,119	2	0.0%	
14.8%	7,094	7,094	0	0.0%	
16.0%	7,093	7,093	0	0.0%	
17.3%	7,088	7,092	4	0.1%	
18.5%	7,086	7,088	2	0.0%	
19.8%	7,069	7,086	17	0.2%	
21.0%	7,065	7,080	15	0.2%	
22.2%	7,063	7,069	6	0.1%	
23.5%	7,061	7,065	4	0.0%	
24.7%	7,059	7,062	3	0.0%	
25.9%	7,054	7,061	7	0.1%	
27.2%	7,053	7,059	6	0.1%	
28.4%	7,046	7,054	8	0.1%	
29.6%	7,042	7,053	11	0.2%	
30.9%	7,031	7,048	18	0.3%	
32.1%	7,004	7,045	41	0.6%	
33.3%	6,999	7,042	43	0.6%	
34.6%	6,433	7,031	598	9.3%	
35.8%	6,121	7,005	884	14.4%	
37.0%	5,629	7,004	1,375	24.4%	
38.3%	5,457	6,999	1,542	28.3%	
39.5%	5,368	6,948	1,579	29.4%	
40.7%	5,225	6,703	1,478	28.3%	
42.0%	4,708	6,103	1,395	29.6%	
43.2%	4,353	6,014	1,661	38.2%	
44.4%	4,327	5,732	1,405	32.5%	
45.7%	4,279	5,365	1,087	25.4%	
46.9%	4,268	5,293	1,025	24.0%	
48.1%	4,191	5,041	850	20.3%	
49.4%	4,191	4,352	162	3.9%	
50.6%	4,160	4,340	180	4.3%	
51.9%	4,157	4,278	121	2.9%	
53.1%	4,152	4,268	116	2.8%	
54.3%	4,111	4,191	79	1.9%	
55.6%	4,056	4,157	100	2.5%	
56.8%	4,022	4,126	104	2.6%	
58.0%	4,020	4,056	37	0.9%	
59.3%	4,009	4,034	26	0.6%	
60.5%	3,971	3,994	23	0.6%	
61.7%	3,954	3,971	17	0.4%	
63.0%	3,931	3,968	37	0.9%	
64.2%	3,931	3,954	23	0.6%	
65.4%	3,917	3,946	29	0.7%	
66.7%	3,858	3,928	70	1.8%	
67.9%	3,828	3,919	91	2.4%	
69.1%	3,822				

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

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	8,500	8,500	0	0.0%	
1.2%	8,500	8,500	0	0.0%	
2.5%	8,500	8,500	0	0.0%	
3.7%	8,500	8,500	0	0.0%	
4.9%	8,500	8,500	0	0.0%	
6.2%	8,500	7,905	-595	-7.0%	
7.4%	7,905	7,848	-57	-0.7%	
8.6%	7,560	7,560	0	0.0%	
9.9%	7,505	7,560	55	0.7%	
11.1%	7,015	7,015	0	0.0%	
12.3%	6,279	6,269	-10	-0.2%	
13.6%	6,269	6,232	-37	-0.6%	
14.8%	6,209	6,210	0	0.0%	
16.0%	6,178	6,178	0	0.0%	
17.3%	5,983	5,853	-130	-2.2%	
18.5%	5,853	5,222	-632	-10.8%	
19.8%	5,354	5,176	-179	-3.3%	
21.0%	5,245	4,977	-268	-5.1%	
22.2%	5,200	5,493	293	5.6%	
23.5%	4,929	4,929	0	0.0%	
24.7%	4,869	4,869	0	0.0%	
25.9%	4,847	4,847	0	0.0%	
27.2%	4,689	4,689	0	0.0%	
28.4%	4,568	4,568	0	0.0%	
29.6%	4,411	4,413	2	0.1%	
30.9%	4,363	4,411	48	1.1%	
32.1%	4,194	4,363	169	4.0%	
33.3%	4,162	4,095	-67	-1.6%	
34.6%	4,132	4,162	30	0.7%	
35.8%	4,117	4,117	0	0.0%	
37.0%	4,115	4,115	0	0.0%	
38.3%	3,941	3,942	0	0.0%	
39.5%	3,843	3,843	0	0.0%	
40.7%	3,837	3,807	-30	-0.8%	
42.0%	3,807	3,804	-3	-0.1%	
43.2%	3,804	3,704	-99	-2.6%	
44.4%	3,704	3,680	-24	-0.7%	
45.7%	3,680	3,630	-50	-1.4%	
46.9%	3,630	3,624	-7	-0.2%	
48.1%	3,624	3,520	-103	-2.9%	
49.4%	3,520	3,519	-1	-0.0%	
50.6%	3,519	3,509	-10	-0.3%	
51.9%	3,472	3,472	0	0.0%	
53.1%	3,443	3,425	-17	-0.5%	
54.3%	3,425	3,377	-48	-1.4%	
55.6%	3,377	3,361	-16	-0.5%	
56.8%	3,361	3,360	-1	-0.0%	
58.0%	3,360	3,349	-10	-0.3%	
59.3%	3,349	3,338	-12	-0.4%	
60.5%	3,335	3,337	2	0.1%	
61.7%	3,319	3,319	0	0.0%	
63.0%	3,311	3,311	0	0.0%	
64.2%	3,281	3,281	0	0.0%	
65.4%	3,199	3,199	0	0.0%	
66.7%	3,194	3,195	0	0.0%	
67.9%	3,150	3,150	0	0.0%	
69.1%	3,140	3,139	-1	-0.0%	
70.4%	3,138	3,068	-70	-2.2%	
71.6%	3,137	3,056	-81	-2.6%	
72.8%	3,068	3,033	-35	-1.2%	
74.1%	3,033	2,976	-56	-1.9%	
75.3%	2,904	2,904	0	0.0%	
76.5%	2,800	2,800	0	0.0%	
77.8%	2,784	2,696	-88	-3.2%	
79.0%	2,570	2,570	0	0.0%	
80.2%	2,505	2,505	0	0.0%	
81.5%	2,499	2,499	0	0.0%	
82.7%	2,331	2,331	0	0.0%	
84.0%	2,285	2,289	3	0.2%	
85.2%	2,246	2,246	0	0.0%	
86.4%	2,231	2,239	8	0.3%	
87.7%	2,103	2,231	128	6.1%	
88.9%	2,008	2,103	94	4.7%	
90.1%	1,872	2,102	2,102	12.3%	
91.4%	1,804	2,008	204	11.3%	
92.6%	1,783	1,872	89	5.0%	
93.8%	1,726	1,806	80	4.7%	
95.1%	1,690	1,726	35	2.1%	
96.3%	1,551	1,690	140	9.0%	
97.5%	1,405	1,551	145	10.4%	
98.8%	631	1,438	807	127.9%	
100.0%	353	1,397	1,044	295.9%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,561	7,561	0	0.0%	
1.2%	7,561	7,561	0	0.0%	
2.5%	7,561	7,561	0	0.0%	
3.7%	7,561	7,561	0	0.0%	
4.9%	7,561	7,561	0	0.0%	
6.2%	7,561	7,561	0	0.0%	
7.4%	7,561	7,561	0	0.0%	
8.6%	7,561	7,481	-80	-1.1%	
9.9%	7,505	6,542	-963	-12.6%	
11.1%	7,057	6,473	-584	-8.3%	
12.3%	6,776	6,301	-475	-7.0%	
13.6%	6,563	6,296	-268	-4.1%	
14.8%	6,296	6,234	-62	-1.0%	
16.0%	6,234	6,231	-3	-0.1%	
17.3%	6,231	5,998	-233	-3.7%	
18.5%	6,003	5,964	-39	-0.7%	
19.8%	5,964	5,955	-9	-0.2%	
21.0%	5,955	5,831	-124	-2.1%	
22.2%	5,831	5,737	-94	-1.6%	
23.5%	5,785	5,692	-92	-1.6%	
24.7%	5,699	5,685	-14	-0.3%	
25.9%	5,692	5,594	-99	-1.7%	
27.2%	5,385	5,466	81	1.5%	
28.4%	5,171	5,388	217	4.2%	
29.6%	5,110	5,385	275	5.4%	
30.9%	5,083	5,110	27	0.5%	
32.1%	5,001	5,083	82	1.6%	
33.3%	4,995	5,001	5	0.1%	
34.6%	4,807	4,807	0	0.0%	
35.8%	4,750	4,750	0	0.0%	
37.0%	4,690	4,584	-106	-2.3%	
38.3%	4,234	4,234	0	0.0%	
39.5%	4,124	4,124	0	0.0%	
40.7%	4,116	3,947	-169	-4.1%	
42.0%	3,947	3,883	-63	-1.6%	
43.2%	3,804	3,834	72	1.9%	
44.4%	3,838	3,825	-13	-0.3%	
45.7%	3,825	3,742	-83	-2.2%	
46.9%	3,742	3,695	-47	-1.3%	
48.1%	3,695	3,617	-78	-2.1%	
49.4%	3,622	3,577	-45	-1.2%	
50.6%	3,577	3,532	-44	-1.2%	
51.9%	3,532	3,457	-76	-2.1%	
53.1%	3,525	3,445	-80	-2.3%	
54.3%	3,457	3,429	-28	-0.8%	
55.6%	3,437	3,346	-91	-2.7%	
56.8%	3,425	3,319	-107	-3.1%	
58.0%	3,346	3,306	-39	-1.2%	
59.3%	3,306	3,192	-115	-3.5%	
60.5%	3,295	3,185	-110	-3.3%	
61.7%	3,208	3,184	-24	-0.7%	
63.0%	3,196	3,108	-88	-2.8%	
64.2%	3,191	2,949	-242	-7.6%	
65.4%	3,122	2,906	-216	-6.9%	
66.7%	3,108	2,671	-437	-14.1%	
67.9%	2,949	2,658	-291	-9.9%	
69.1%	2,939	2,656	-283	-9.6%	
70.4%	2,906	2,655	-251	-8.6%	
71.6%	2,656	2,594	-62	-2.3%	
72.8%	2,594	2,531	-63	-2.4%	
74.1%	2,531	2,527	-4	-0.2%	
75.3%	2,527	2,447	-80	-3.2%	
76.5%	2,484	2,439	-46	-1.8%	
77.8%	2,447	2,421	-26	-1.1%	
79.0%	2,429	2,391	-38	-1.6%	
80.2%	2,406	2,385	-21	-0.9%	
81.5%	2,343	2,343	0	0.0%	
82.7%	2,343	2,297	-46	-1.9%	
84.0%	2,299	2,154	-145	-6.3%	
85.2%	2,126	1,955	-172	-8.1%	
86.4%	1,933	1,933	0	0.0%	
87.7%	1,867	1,797	-71	-3.8%	
88.9%	1,797	1,745	-51	-2.9%	
90.1%	1,745	1,745	0	0.0%	
91.4%	1,696	1,336	-360	-21.2%	
92.6%	1,336	1,291	-45	-3.3%	
93.8%	1,291	1,204	-87	-6.7%	
95.1%	1,204	1,090	-115	-9.5%	
96.3%	1,039	1,039	0	0.0%	
97.5%	853	1,039	186	21.8%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,125	6,125	0	0.0%	
1.2%	3,961	3,961	0	0.0%	
2.5%	3,360	3,362	1	0.0%	
3.7%	2,621	2,617	-4	-0.1%	
4.9%	2,505	2,497	-8	-0.3%	
6.2%	2,241	2,237	-4	-0.2%	
7.4%	2,106	2,078	-28	-1.3%	
8.6%	1,852	1,847	-5	-0.3%	
9.9%	1,751	1,747	-4	-0.2%	
11.1%	1,665	1,657	-8	-0.5%	
12.3%	1,622	1,622	0	0.0%	
13.6%	1,604	1,604	0	0.0%	
14.8%	1,508	1,508	0	0.0%	
16.0%	1,474	1,426	-48	-3.3%	
17.3%	1,426	1,396	-29	-2.1%	
18.5%	1,392	1,392	0	0.0%	
19.8%	1,377	1,377	0	0.0%	
21.0%	1,343	1,343	0	0.0%	
22.2%	1,299	1,299	0	0.0%	
23.5%	1,270	1,270	0	0.0%	
24.7%	1,246	1,246	0	0.0%	
25.9%	1,210	1,210	0	0.0%	
27.2%	1,208	1,208	0	0.0%	
28.4%	1,201	1,201	0	0.0%	
29.6%	1,194	1,194	0	0.0%	
30.9%	1,172	1,178	6	0.5%	
32.1%	1,170	1,169	-1	-0.1%	
33.3%	1,142	1,142	0	0.0%	
34.6%	1,135	1,135	0	0.0%	
35.8%	1,118	1,118	0	0.0%	
37.0%	1,104	1,101	-3	-0.3%	
38.3%	1,101	1,099	-2	-0.2%	
39.5%	1,099	1,097	-2	-0.2%	
40.7%	1,097	1,097	0	0.0%	
42.0%	1,096	1,096	0	0.0%	
43.2%	1,078	1,078	0	0.0%	
44.4%	1,066	1,074	8	0.8%	
45.7%	1,052	1,052	0	0.0%	
46.9%	1,051	1,051	0	0.0%	
48.1%	1,049	1,049	0	0.0%	
49.4%	1,044	1,044	0	0.0%	
50.6%	1,036	1,032	-4	-0.4%	
51.9%	1,032	1,028	-4	-0.4%	
53.1%	1,028	1,028	0	0.0%	
54.3%	1,028	1,020	-7	-0.7%	
55.6%	1,020	1,004	-17	-1.6%	
56.8%	1,004	1,002	-2	-0.2%	
58.0%	1,002	988	-14	-1.4%	
59.3%	988	988	0	0.0%	
60.5%	985	985	0	0.0%	
61.7%	977	977	0	0.0%	
63.0%	976	976	0	0.0%	
64.2%	971	971	0	0.0%	
65.4%	970	970	0	0.0%	
66.7%	963	963	0	0.0%	
67.9%	924	924	0	0.0%	
69.1%	924	924	0	0.0%	
70.4%	918	893	-25	-2.7%	
71.6%	893	889	-4	-0.4%	
72.8%	889	864	-25	-2.8%	
74.1%	864	757	-107	-12.4%	
75.3%	757	748	-9	-1.2%	
76.5%	748	747	-1	-	

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

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,680	6,088	-592	-8.9%	
6.2%	6,131	6,046	-85	-1.4%	
7.4%	6,047	5,547	-499	-8.3%	
8.6%	5,597	5,253	-344	-6.1%	
9.9%	5,252	5,116	-137	-2.6%	
11.1%	4,901	4,901	0	0.0%	
12.3%	4,645	4,575	-71	-1.5%	
13.6%	4,455	4,509	55	1.2%	
14.8%	4,399	4,455	56	1.3%	
16.0%	4,385	4,385	0	0.0%	
17.3%	4,165	4,165	0	0.0%	
18.5%	4,060	4,060	0	0.0%	
19.8%	3,961	4,051	91	2.3%	
21.0%	3,799	3,961	161	4.2%	
22.2%	3,442	3,442	0	0.0%	
23.5%	3,422	3,422	0	0.0%	
24.7%	3,237	3,237	0	0.0%	
25.9%	3,141	2,937	-204	-6.5%	
27.2%	3,097	2,893	-203	-6.6%	
28.4%	2,967	2,867	-100	-3.4%	
29.6%	2,862	2,878	15	0.5%	
30.9%	2,878	2,856	-22	-0.8%	
32.1%	2,863	2,854	-9	-0.3%	
33.3%	2,854	2,852	-2	-0.1%	
34.6%	2,851	2,851	0	0.0%	
35.8%	2,736	2,948	213	7.8%	
37.0%	2,690	2,843	153	5.7%	
38.3%	2,675	2,735	60	2.2%	
39.5%	2,659	2,690	31	1.2%	
40.7%	2,640	2,659	19	0.7%	
42.0%	2,640	2,640	0	0.0%	
43.2%	2,526	2,613	88	3.5%	
44.4%	2,383	2,526	142	6.0%	
45.7%	2,364	2,433	69	2.9%	
46.9%	2,335	2,379	44	1.9%	
48.1%	2,322	2,364	42	1.8%	
49.4%	2,291	2,363	72	3.1%	
50.6%	2,271	2,085	-186	-8.2%	
51.9%	2,181	2,041	-140	-6.4%	
53.1%	2,081	2,008	-73	-3.5%	
54.3%	1,930	1,976	46	2.4%	
55.6%	1,917	1,930	13	0.7%	
56.8%	1,837	1,863	27	1.5%	
58.0%	1,740	1,860	120	6.9%	
59.3%	1,725	1,851	126	7.3%	
60.5%	1,698	1,837	139	8.2%	
61.7%	1,675	1,778	103	6.2%	
63.0%	1,668	1,726	58	3.4%	
64.2%	1,668	1,698	30	1.8%	
65.4%	1,656	1,675	19	1.1%	
66.7%	1,653	1,668	15	0.9%	
67.9%	1,643	1,668	25	1.5%	
69.1%	1,637	1,656	19	1.1%	
70.4%	1,619	1,653	34	2.1%	
71.6%	1,585	1,642	57	3.6%	
72.8%	1,521	1,637	116	7.6%	
74.1%	1,469	1,636	166	11.3%	
75.3%	1,385	1,620	235	17.0%	
76.5%	1,369	1,608	239	17.4%	
77.8%	1,011	1,521	510	50.5%	
79.0%	876	1,511	635	72.4%	
80.2%	771	1,270	499	64.8%	
81.5%	307	1,156	849	276.6%	
82.7%	300	415	115	38.2%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	277	300	23	8.2%	
93.8%	260	300	40	15.5%	
95.1%	241	280	39	16.3%	
96.3%	226	241	15	6.6%	
97.5%	202	226	25	12.3%	
98.8%	120	105	-15	-12.5%	
100.0%	45	97	51	113.3%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,180	7,180	0	0.0%	
1.2%	7,115	7,180	65	0.9%	
2.5%	7,005	7,115	110	1.6%	
3.7%	7,005	7,077	72	1.0%	
4.9%	7,005	7,005	0	0.0%	
6.2%	7,005	7,005	0	0.0%	
7.4%	7,005	7,005	0	0.0%	
8.6%	7,005	7,005	0	0.0%	
9.9%	7,005	7,005	0	0.0%	
11.1%	7,005	7,005	0	0.0%	
12.3%	7,005	7,005	0	0.0%	
13.6%	7,005	7,005	0	0.0%	
14.8%	7,005	7,005	0	0.0%	
16.0%	7,005	7,005	0	0.0%	
17.3%	7,005	7,005	0	0.0%	
18.5%	7,005	7,005	0	0.0%	
19.8%	7,005	7,005	0	0.0%	
21.0%	7,005	7,005	0	0.0%	
22.2%	7,005	7,005	0	0.0%	
23.5%	7,005	7,005	0	0.0%	
24.7%	7,005	7,005	0	0.0%	
25.9%	7,005	7,005	0	0.0%	
27.2%	7,005	7,005	0	0.0%	
28.4%	7,005	7,005	0	0.0%	
29.6%	7,005	7,005	0	0.0%	
30.9%	7,005	7,005	0	0.0%	
32.1%	6,989	7,005	16	0.2%	
33.3%	6,988	7,005	17	0.2%	
34.6%	6,977	7,005	28	0.4%	
35.8%	6,977	7,005	28	0.4%	
37.0%	6,970	7,005	35	0.5%	
38.3%	6,929	6,988	59	0.9%	
39.5%	6,929	6,977	48	0.7%	
40.7%	6,929	6,977	48	0.7%	
42.0%	6,920	6,920	0	0.0%	
43.2%	6,915	6,929	14	0.2%	
44.4%	6,915	6,929	14	0.2%	
45.7%	6,915	6,929	14	0.2%	
46.9%	6,915	6,929	14	0.2%	
48.1%	6,915	6,929	14	0.2%	
49.4%	6,915	6,919	4	0.1%	
50.6%	6,915	6,915	0	0.0%	
51.9%	6,915	6,915	0	0.0%	
53.1%	6,901	6,915	14	0.2%	
54.3%	6,898	6,915	17	0.2%	
55.6%	6,843	6,915	72	1.1%	
56.8%	6,829	6,915	86	1.3%	
58.0%	6,828	6,915	87	1.3%	
59.3%	6,823	6,915	92	1.3%	
60.5%	6,781	6,915	134	2.0%	
61.7%	6,718	6,915	197	2.9%	
63.0%	6,702	6,851	149	2.2%	
64.2%	6,680	6,843	163	2.4%	
65.4%	6,680	6,842	162	2.4%	
66.7%	6,680	6,829	149	2.2%	
67.9%	6,680	6,799	119	1.8%	
69.1%	6,680	6,680	0	0.0%	
70.4%	6,680	6,680	0	0.0%	
71.6%	6,545	6,680	135	2.1%	
72.8%	6,538	6,680	142	2.2%	
74.1%	6,523	6,680	157	2.4%	
75.3%	6,483	6,680	197	3.0%	
76.5%	6,447	6,664	217	3.4%	
77.8%	6,443	6,310	-134	-2.1%	
79.0%	6,192	6,223	31	0.5%	
80.2%	6,159	6,171	13	0.2%	
81.5%	5,953	6,022	69	1.2%	
82.7%	5,888	6,009	121	2.1%	
84.0%	5,365	5,683	318	5.9%	
85.2%	5,061	5,340	278	5.5%	
86.4%	3,851	3,629	-222	-5.8%	
87.7%	2,648	3,590	942	35.6%	
88.9%	1,921	3,492	1,571	81.8%	
90.1%	1,433	2,772	1,339	93.5%	
91.4%	950	1,967	1,018	107.2%	
92.6%	824	1,793	970	117.7%	
93.8%	747	1,051	304	40.7%	
95.1%	642	814	172	26.7%	
96.3%	545	745	199	36.6%	
97.5%	469	608	139	29.6%	
98.8%	449	431	-18	-4.0%	
100.0%	403	403	0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,180	7,180	0	0.0%	
1.2%	7,180	7,180	0	0.0%	
2.5%	7,180	7,180	0	0.0%	
3.7%	7,180	7,180	0	0.0%	
4.9%	7,180	7,180	0	0.0%	
6.2%	7,180	7,180	0	0.0%	
7.4%	7,180	7,180	0	0.0%	
8.6%	7,180	7,180	0	0.0%	
9.9%	7,180	7,180	0	0.0%	
11.1%	7,180	7,180	0	0.0%	
12.3%	7,180	7,180	0	0.0%	
13.6%	7,180	7,180	0	0.0%	
14.8%	7,180	7,180	0	0.0%	
16.0%	7,180	7,180	0	0.0%	
17.3%	7,180	7,180	0	0.0%	
18.5%	7,180	7,180	0	0.0%	
19.8%	7,180	7,180	0	0.0%	
21.0%	7,180	7,180	0	0.0%	
22.2%	7,180	7,180	0	0.0%	
23.5%	7,180	7,180	0	0.0%	
24.7%	7,180	7,180	0	0.0%	
25.9%	7,180	7,180	0	0.0%	
27.2%	7,180	7,180	0	0.0%	
28.4%	7,180	7,180	0	0.0%	
29.6%	7,180	7,180	0	0.0%	
30.9%	7,180	7,180	0	0.0%	
32.1%	7,180	7,180	0	0.0%	
33.3%	7,180	7,180	0	0.0%	
34.6%	7,180	7,180	0	0.0%	
35.8%	7,180	7,180	0	0.0%	
37.0%	7,180	7,180	0	0.0%	
38.3%	7,180	7,180	0	0.0%	
39.5%	7,180	7,180	0	0.0%	
40.7%	7,180	7,180	0	0.0%	
42.0%	7,180	7,180	0	0.0%	
43.2%	7,058	7,058	0	0.0%	
44.4%	7,030	7,030	0	0.0%	
45.7%	7,030	7,030	0	0.0%	
46.9%	7,030	7,030	0	0.0%	
48.1%	7,030	7,030	0	0.0%	
49.4%	6,934	6,934	0	0.0%	
50.6%	6,930	6,930	0	0.0%	
51.9%	6,930	6,930	0	0.0%	
53.1%	6,930	6,930	0	0.0%	
54.3%	6,906	6,930	24	0.4%	
55.6%	6,893	6,930	37	0.5%	
56.8%	6,748	6,906	158	2.3%	
58.0%	6,691	6,893	202	3.0%	
59.3%	6,680	6,748	68	1.0%	
60.5%	6,680	6,691	11	0.2%	
61.7%	6,680	6,680	0	0.0%	
63.0%	6,680	6,680	0	0.0%	
64.2%	4,726	6,680	1,954	41.3%	
65.4%	4,472	6,680	2,208	49.4%	
66.7%	4,223	6,114	1,891	44.8%	
67.9%	3,920	4,888	968	24.6%	
69.1%	3,893	4,375	482	12.4%	
70.4%	3,480	4,229	739	21.2%	
71.6%	3,433	3,855	422	12.3%	
72.8%	3,381	3,758	378	11.2%	
74.1%	3,072	3,737	665	21.6%	
75.3%	3,006	3,614	608		

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

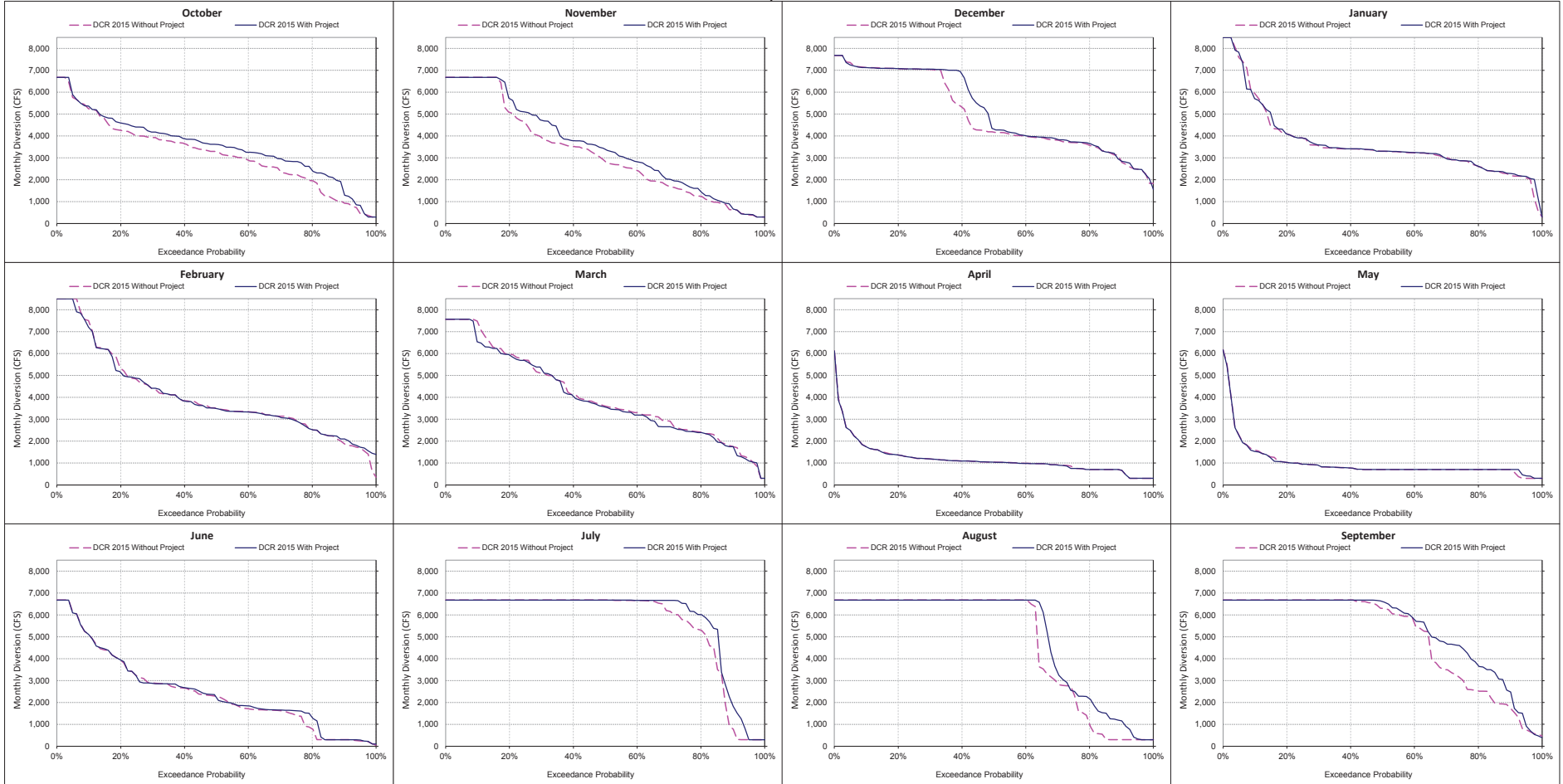




Table SW-39-b  
Banks Pumping Plant (SWP), Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,456	6,680	224	3.5%	
4.9%	5,762	5,884	122	2.1%	
6.2%	5,665	5,670	4	0.1%	
7.4%	5,515	5,495	-20	-0.4%	
8.6%	5,440	5,376	-64	-1.2%	
9.9%	5,245	5,365	120	2.3%	
11.1%	5,219	5,211	-8	-0.2%	
12.3%	5,165	5,200	35	0.7%	
13.6%	4,878	4,966	87	1.8%	
14.8%	4,204	4,878	74	1.5%	
16.0%	4,545	4,818	274	6.0%	
17.3%	4,338	4,804	466	10.7%	
18.5%	4,293	4,656	363	8.4%	
19.8%	4,262	4,600	338	7.9%	
21.0%	4,222	4,566	344	8.2%	
22.2%	4,210	4,229	19	0.5%	
23.5%	4,120	4,460	340	8.2%	
24.7%	4,009	4,410	401	10.0%	
25.9%	4,000	4,405	405	10.1%	
27.2%	3,998	4,400	403	10.1%	
28.4%	3,977	4,243	266	6.7%	
29.6%	3,930	4,181	251	6.4%	
30.9%	3,929	4,175	246	6.3%	
32.1%	3,828	4,126	299	7.8%	
33.3%	3,820	4,118	298	7.8%	
34.6%	3,780	4,084	304	8.0%	
35.8%	3,763	4,005	241	6.4%	
37.0%	3,698	4,001	303	8.2%	
38.3%	3,695	3,986	291	7.9%	
39.5%	3,676	3,890	214	5.8%	
40.7%	3,609	3,856	247	6.9%	
42.0%	3,477	3,854	377	10.9%	
43.2%	3,463	3,842	379	11.0%	
44.4%	3,400	3,766	366	10.7%	
45.7%	3,378	3,685	306	9.1%	
46.9%	3,344	3,657	313	9.4%	
48.1%	3,297	3,621	324	9.8%	
49.4%	3,295	3,621	326	9.9%	
50.6%	3,259	3,614	355	10.9%	
51.9%	3,142	3,572	430	13.7%	
53.1%	3,117	3,489	373	12.0%	
54.3%	3,087	3,486	399	12.9%	
55.6%	3,069	3,478	409	13.3%	
56.8%	3,015	3,400	385	12.8%	
58.0%	3,010	3,365	355	11.8%	
59.3%	2,941	3,262	322	10.9%	
60.5%	2,858	3,262	404	14.1%	
61.7%	2,848	3,249	402	14.1%	
63.0%	2,779	3,217	438	15.7%	
64.2%	2,632	3,180	548	20.8%	
65.4%	2,603	3,094	492	18.9%	
66.7%	2,590	3,088	498	19.2%	
67.9%	2,584	3,074	490	19.0%	
69.1%	2,543	2,963	419	16.5%	
70.4%	2,328	2,957	630	27.1%	
71.6%	2,301	2,859	558	24.2%	
72.8%	2,240	2,840	600	26.8%	
74.1%	2,226	2,833	608	27.3%	
75.3%	2,226	2,828	602	27.1%	
76.5%	2,135	2,773	638	29.9%	
77.8%	2,079	2,620	540	26.0%	
79.0%	1,971	2,609	638	32.4%	
80.2%	1,952	2,389	437	22.4%	
81.5%	1,844	2,316	471	25.6%	
82.7%	1,425	2,307	882	61.9%	
84.0%	1,265	2,289	976	77.7%	
85.2%	1,245	2,139	894	71.8%	
86.4%	1,140	2,110	970	85.1%	
87.7%	1,045	1,973	928	88.8%	
88.9%	1,031	1,924	892	86.5%	
90.1%	929	1,297	368	39.6%	
91.4%	903	1,241	338	37.4%	
92.6%	790	1,118	328	41.5%	
93.8%	727	1,130	403	55.4%	
95.1%	448	826	378	84.3%	
96.3%	426	459	34	7.9%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,680	6,680	0	0.0%	
6.2%	6,680	6,680	0	0.0%	
7.4%	6,680	6,680	0	0.0%	
8.6%	6,680	6,680	0	0.0%	
9.9%	6,680	6,680	0	0.0%	
11.1%	6,680	6,680	0	0.0%	
12.3%	6,680	6,680	0	0.0%	
13.6%	6,680	6,680	0	0.0%	
14.8%	6,680	6,680	0	0.0%	
16.0%	6,680	6,680	0	0.0%	
17.3%	6,438	6,576	139	2.2%	
18.5%	5,302	6,461	1,159	21.9%	
19.8%	5,088	5,731	643	12.6%	
21.0%	5,034	5,622	588	11.7%	
22.2%	4,819	5,210	392	8.1%	
23.5%	4,708	5,130	422	9.0%	
24.7%	4,657	5,099	442	9.5%	
25.9%	4,393	5,068	675	15.4%	
27.2%	4,094	4,956	862	21.0%	
28.4%	4,042	4,948	906	22.4%	
29.6%	3,982	4,730	749	18.9%	
30.9%	3,832	4,690	858	22.4%	
32.1%	3,778	4,676	898	23.8%	
33.3%	3,689	4,498	809	21.9%	
34.6%	3,674	4,462	788	21.4%	
35.8%	3,669	4,009	341	9.3%	
37.0%	3,608	3,861	252	7.0%	
38.3%	3,551	3,834	283	8.0%	
39.5%	3,543	3,793	250	7.0%	
40.7%	3,504	3,784	280	8.0%	
42.0%	3,477	3,496	19	0.5%	
43.2%	3,409	3,760	350	10.3%	
44.4%	3,400	3,636	236	6.9%	
45.7%	3,272	3,624	352	10.7%	
46.9%	3,165	3,588	423	13.4%	
48.1%	3,054	3,490	436	14.3%	
49.4%	2,918	3,433	515	17.7%	
50.6%	2,759	3,342	583	21.1%	
51.9%	2,724	3,292	568	20.9%	
53.1%	2,692	3,242	550	20.4%	
54.3%	2,682	3,084	403	15.0%	
55.6%	2,601	3,047	447	17.2%	
56.8%	2,544	2,966	422	16.6%	
58.0%	2,532	2,913	381	15.1%	
59.3%	2,472	2,845	374	15.1%	
60.5%	2,392	2,812	420	17.6%	
61.7%	2,228	2,776	547	24.6%	
63.0%	2,029	2,646	617	30.4%	
64.2%	1,948	2,572	624	32.1%	
65.4%	1,944	2,434	491	25.3%	
66.7%	1,909	2,419	510	26.7%	
67.9%	1,874	2,194	320	17.1%	
69.1%	1,757	2,033	276	15.7%	
70.4%	1,679	2,014	335	19.9%	
71.6%	1,651	1,941	290	17.6%	
72.8%	1,589	1,938	349	22.0%	
74.1%	1,555	1,875	319	20.5%	
75.3%	1,452	1,759	308	21.2%	
76.5%	1,404	1,663	259	18.5%	
77.8%	1,274	1,603	329	25.8%	
79.0%	1,258	1,602	343	27.3%	
80.2%	1,243	1,428	185	14.9%	
81.5%	1,112	1,282	170	15.3%	
82.7%	1,039	1,267	228	21.9%	
84.0%	976	1,134	158	16.2%	
85.2%	972	1,065	93	9.6%	
86.4%	915	996	81	8.9%	
87.7%	880	926	46	5.2%	
88.9%	635	904	269	42.4%	
90.1%	623	861	238	38.2%	
91.4%	608	810	2	0.4%	
92.6%	459	443	-16	-3.6%	
93.8%	434	423	-10	-2.4%	
95.1%	391	417	26	6.7%	
96.3%	302	405	24	6.2%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,678	7,678	0	0.0%	
1.2%	7,678	7,678	0	0.0%	
2.5%	7,678	7,678	0	0.0%	
3.7%	7,383	7,358	-25	-0.3%	
4.9%	7,358	7,251	-108	-1.5%	
6.2%	7,201	7,201	0	0.0%	
7.4%	7,170	7,149	-22	-0.3%	
8.6%	7,148	7,125	-23	-0.3%	
9.9%	7,125	7,124	-1	0.0%	
11.1%	7,124	7,119	-5	-0.1%	
12.3%	7,119	7,119	0	0.0%	
13.6%	7,117	7,094	-23	-0.3%	
14.8%	7,094	7,093	-1	0.0%	
16.0%	7,093	7,092	-1	0.0%	
17.3%	7,088	7,088	0	0.0%	
18.5%	7,086	7,086	0	0.0%	
19.8%	7,069	7,082	13	0.2%	
21.0%	7,065	7,080	15	0.2%	
22.2%	7,063	7,069	6	0.1%	
23.5%	7,061	7,065	4	0.0%	
24.7%	7,059	7,063	4	0.1%	
25.9%	7,054	7,061	7	0.1%	
27.2%	7,053	7,059	6	0.1%	
28.4%	7,048	7,054	6	0.1%	
29.6%	7,042	7,053	11	0.2%	
30.9%	7,031	7,048	18	0.2%	
32.1%	7,004	7,045	41	0.6%	
33.3%	6,999	7,042	43	0.6%	
34.6%	6,428	7,031	603	9.4%	
35.8%	6,121	7,005	884	14.4%	
37.0%	6,024	7,004	1,375	24.4%	
38.3%	5,457	6,999	1,542	28.3%	
39.5%	5,368	6,948	1,579	29.4%	
40.7%	5,225	6,656	1,430	27.4%	
42.0%	4,708	6,103	1,395	29.6%	
43.2%	4,380	5,732	1,350	31.7%	
44.4%	4,279	5,515	1,236	28.9%	
45.7%	4,268	5,365	1,097	25.7%	
46.9%	4,257	5,293	1,036	24.3%	
48.1%	4,191	5,041	850	20.3%	
49.4%	4,191	4,352	162	3.9%	
50.6%	4,160	4,278	118	2.8%	
51.9%	4,157	4,270	113	2.7%	
53.1%	4,152	4,268	116	2.8%	
54.3%	4,111	4,191	79	1.9%	
55.6%	4,056	4,157	100	2.5%	
56.8%	4,022	4,126	104	2.6%	
58.0%	4,020	4,056	37	0.9%	
59.3%	4,009	4,034	26	0.6%	
60.5%	3,971	3,994	23	0.6%	
61.7%	3,954	3,971	17	0.4%	
63.0%	3,931	3,968	37	0.9%	
64.2%	3,931	3,954	23	0.6%	
65.4%	3,917	3,946	29	0.7%	
66.7%	3,858	3,928	70	1.8%	
67.9%	3,828	3,919	91	2.4%	
69.1%	3,822	3,890	68	1.8%	
70.4%	3,804	3,833			

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

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	8,500	7,561	0	0.0%	
1.2%	8,500	7,561	0	0.0%	
2.5%	8,500	7,561	0	0.0%	
3.7%	8,500	7,561	0	0.0%	
4.9%	8,500	7,561	0	0.0%	
6.2%	8,500	7,905	-595	-7.0%	
7.4%	7,905	7,848	-57	-0.7%	
8.6%	7,560	7,560	0	0.0%	
9.9%	7,505	7,205	-300	-4.0%	
11.1%	7,015	7,015	0	0.0%	
12.3%	6,279	6,269	-10	-0.2%	
13.6%	6,269	6,232	-37	-0.6%	
14.8%	6,209	6,210	0	0.0%	
16.0%	6,178	6,178	0	0.0%	
17.3%	5,983	5,853	-130	-2.2%	
18.5%	5,853	5,222	-632	-10.8%	
19.8%	5,354	5,176	-179	-3.3%	
21.0%	5,200	4,977	-223	-4.3%	
22.2%	4,929	4,933	4	0.1%	
23.5%	4,869	4,929	60	1.2%	
24.7%	4,847	4,869	22	0.4%	
25.9%	4,689	4,847	158	3.4%	
27.2%	4,633	4,689	56	1.2%	
28.4%	4,568	4,568	0	0.0%	
29.6%	4,411	4,413	2	0.0%	
30.9%	4,363	4,411	48	1.1%	
32.1%	4,194	4,363	169	4.0%	
33.3%	4,162	4,095	-67	-1.6%	
34.6%	4,132	4,162	30	0.7%	
35.8%	4,117	4,117	0	0.0%	
37.0%	4,115	4,115	0	0.0%	
38.3%	3,941	3,942	0	0.0%	
39.5%	3,843	3,843	0	0.0%	
40.7%	3,837	3,807	-30	-0.8%	
42.0%	3,807	3,807	-3	-0.1%	
43.2%	3,804	3,680	-124	-3.2%	
44.4%	3,680	3,630	-50	-1.4%	
45.7%	3,630	3,624	-7	-0.2%	
46.9%	3,624	3,520	-103	-2.9%	
48.1%	3,620	3,519	-1	0.0%	
49.4%	3,519	3,509	-10	-0.3%	
50.6%	3,472	3,472	0	0.0%	
51.9%	3,443	3,425	-17	-0.5%	
53.1%	3,425	3,377	-48	-1.4%	
54.3%	3,377	3,361	-16	-0.5%	
55.6%	3,361	3,360	-2	0.0%	
56.8%	3,360	3,349	-10	-0.3%	
58.0%	3,359	3,338	-22	-0.6%	
59.3%	3,349	3,337	-12	-0.4%	
60.5%	3,335	3,319	-17	-0.5%	
61.7%	3,319	3,311	-8	-0.2%	
63.0%	3,311	3,281	-30	-0.9%	
64.2%	3,281	3,246	-35	-1.1%	
65.4%	3,199	3,199	0	0.0%	
66.7%	3,194	3,195	0	0.0%	
67.9%	3,150	3,150	0	0.0%	
69.1%	3,140	3,139	-1	0.0%	
70.4%	3,138	3,068	-70	-2.2%	
71.6%	3,137	3,056	-81	-2.6%	
72.8%	3,068	3,033	-35	-1.2%	
74.1%	3,033	2,976	-56	-1.9%	
75.3%	2,904	2,904	0	0.0%	
76.5%	2,800	2,800	0	0.0%	
77.8%	2,784	2,696	-88	-3.2%	
79.0%	2,570	2,570	0	0.0%	
80.2%	2,505	2,505	0	0.0%	
81.5%	2,499	2,499	0	0.0%	
82.7%	2,331	2,331	0	0.0%	
84.0%	2,285	2,289	3	0.2%	
85.2%	2,246	2,246	0	0.0%	
86.4%	2,231	2,239	8	0.3%	
87.7%	2,103	2,231	128	6.1%	
88.9%	2,008	2,103	94	4.7%	
90.1%	1,872	2,102	230	12.3%	
91.4%	1,804	2,008	204	11.3%	
92.6%	1,783	1,872	89	5.0%	
93.8%	1,726	1,806	80	4.7%	
95.1%	1,690	1,726	35	2.1%	
96.3%	1,651	1,690	39	2.4%	
97.5%	1,495	1,651	156	10.4%	
98.8%	631	1,438	807	127.9%	
100.0%	353	1,397	1,044	295.9%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,561	7,561	0	0.0%	
1.2%	7,561	7,561	0	0.0%	
2.5%	7,561	7,561	0	0.0%	
3.7%	7,561	7,561	0	0.0%	
4.9%	7,561	7,561	0	0.0%	
6.2%	7,561	7,561	0	0.0%	
7.4%	7,561	7,561	0	0.0%	
8.6%	7,561	7,481	-80	-1.1%	
9.9%	7,481	6,542	-939	-12.6%	
11.1%	7,057	6,473	-584	-8.3%	
12.3%	6,776	6,301	-475	-7.0%	
13.6%	6,563	6,296	-268	-4.1%	
14.8%	6,296	6,234	-62	-1.0%	
16.0%	6,234	6,231	-3	-0.1%	
17.3%	6,231	5,998	-233	-3.7%	
18.5%	6,003	5,964	-39	-0.7%	
19.8%	5,964	5,955	-9	-0.2%	
21.0%	5,955	5,831	-124	-2.1%	
22.2%	5,831	5,737	-94	-1.6%	
23.5%	5,785	5,692	-92	-1.6%	
24.7%	5,699	5,685	-14	-0.3%	
25.9%	5,692	5,594	-99	-1.7%	
27.2%	5,385	5,466	81	1.5%	
28.4%	5,171	5,388	217	4.2%	
29.6%	5,110	5,385	275	5.4%	
30.9%	5,083	5,110	27	0.5%	
32.1%	5,001	5,083	82	1.6%	
33.3%	4,995	5,001	5	0.1%	
34.6%	4,807	4,807	0	0.0%	
35.8%	4,750	4,750	0	0.0%	
37.0%	4,690	4,234	-456	-9.7%	
38.3%	4,234	4,153	-81	-1.9%	
39.5%	4,124	4,124	0	0.0%	
40.7%	4,116	3,947	-169	-4.1%	
42.0%	3,947	3,883	-63	-1.6%	
43.2%	3,804	3,834	72	1.9%	
44.4%	3,838	3,825	-13	-0.3%	
45.7%	3,825	3,742	-83	-2.2%	
46.9%	3,742	3,695	-47	-1.3%	
48.1%	3,695	3,617	-78	-2.1%	
49.4%	3,622	3,577	-45	-1.2%	
50.6%	3,577	3,532	-44	-1.2%	
51.9%	3,532	3,457	-76	-2.1%	
53.1%	3,525	3,445	-80	-2.3%	
54.3%	3,457	3,429	-28	-0.8%	
55.6%	3,437	3,346	-91	-2.7%	
56.8%	3,425	3,319	-107	-3.1%	
58.0%	3,346	3,306	-39	-1.2%	
59.3%	3,306	3,192	-115	-3.5%	
60.5%	3,295	3,185	-110	-3.3%	
61.7%	3,208	3,184	-24	-0.7%	
63.0%	3,196	3,108	-88	-2.8%	
64.2%	3,191	2,949	-242	-7.6%	
65.4%	3,122	2,906	-216	-6.9%	
66.7%	3,108	2,671	-437	-14.1%	
67.9%	2,949	2,658	-291	-9.9%	
69.1%	2,939	2,656	-283	-9.6%	
70.4%	2,906	2,655	-251	-8.6%	
71.6%	2,656	2,594	-62	-2.3%	
72.8%	2,594	2,531	-63	-2.4%	
74.1%	2,531	2,527	-4	-0.2%	
75.3%	2,527	2,447	-80	-3.2%	
76.5%	2,484	2,439	-46	-1.8%	
77.8%	2,447	2,421	-26	-1.1%	
79.0%	2,429	2,391	-38	-1.6%	
80.2%	2,406	2,385	-21	-0.9%	
81.5%	2,343	2,343	0	0.0%	
82.7%	2,343	2,297	-46	-1.9%	
84.0%	2,299	2,154	-145	-6.3%	
85.2%	2,126	1,955	-172	-8.1%	
86.4%	1,933	1,933	0	0.0%	
87.7%	1,867	1,797	-71	-3.8%	
88.9%	1,797	1,745	-51	-2.9%	
90.1%	1,745	1,745	0	0.0%	
91.4%	1,696	1,336	-360	-21.2%	
92.6%	1,336	1,291	-45	-3.3%	
93.8%	1,291	1,204	-87	-6.7%	
95.1%	1,204	1,090	-115	-9.5%	
96.3%	1,039	1,039	0	0.0%	
97.5%	853	1,038	185	21.8%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,125	6,125	0	0.0%	
1.2%	3,961	3,961	0	0.0%	
2.5%	3,360	3,362	1	0.0%	
3.7%	2,621	2,617	-4	-0.1%	
4.9%	2,505	2,497	-8	-0.3%	
6.2%	2,241	2,237	-4	-0.2%	
7.4%	2,086	2,078	-8	-0.4%	
8.6%	1,852	1,847	-5	-0.3%	
9.9%	1,751	1,747	-4	-0.2%	
11.1%	1,665	1,657	-8	-0.5%	
12.3%	1,622	1,622	0	0.0%	
13.6%	1,604	1,604	0	0.0%	
14.8%	1,508	1,508	0	0.0%	
16.0%	1,474	1,426	-48	-3.3%	
17.3%	1,426	1,396	-29	-2.1%	
18.5%	1,392	1,392	0	0.0%	
19.8%	1,377	1,377	0	0.0%	
21.0%	1,343	1,343	0	0.0%	
22.2%	1,299	1,299	0	0.0%	
23.5%	1,270	1,270	0	0.0%	
24.7%	1,246	1,246	0	0.0%	
25.9%	1,210	1,210	0	0.0%	
27.2%	1,208	1,208	0	0.0%	
28.4%	1,201	1,201	0	0.0%	
29.6%	1,194	1,194	0	0.0%	
30.9%	1,172	1,178	6	0.5%	
32.1%	1,170	1,169	-1	0.0%	
33.3%	1,142	1,142	0	0.0%	
34.6%	1,135	1,135	0	0.0%	
35.8%	1,118	1,118	0	0.0%	
37.0%	1,104	1,101	-3	-0.3%	
38.3%	1,101	1,099	-2	-0.2%	
39.5%	1,099	1,097	-2	-0.1%	
40.7%	1,097	1,097	0	0.0%	
42.0%	1,096	1,096	0	0.0%	
43.2%	1,078	1,078	0	0.0%	
44.4%	1,066	1,074	8	0.8%	
45.7%	1,052	1,052	1	0.0%	
46.9%	1,051	1,051	0	0.0%	
48.1%	1,049	1,049	0	0.0%	
49.4%	1,044	1,044	0	0.0%	
50.6%	1,036	1,032	-4	-0.4%	
51.9%	1,032	1,028	-4	-0.3%	
53.1%	1,028	1,028	0	0.0%	
54.3%	1,028	1,020	-7	-0.7%	
55.6%	1,020	1,004	-17	-1.6%	
56.8%	1,004	1,002	-2	-0.2%	
58.0%	1,002	988	-14	-1.4%	
59.3%	988	988	0	0.0%	
60.5%	985	985	0	0.0%	
61.7%	977	977	0	0.0%	
63.0%	976	976	0	0.0%	
64.2%	971	971	0	0.0%	
65.4%	970	970	0	0.0%	
66.7%	963	963	0	0.0%	
67.9%	924	924	0	0.0%	
69.1%	924	924	0	0.0%	
70.4%	918	893	-25	-2.7%	
71.6%	893	889	-3	-0.4%	
72.8%	889	864	-25	-2.8%	
74.1%	864	757	-107	-12.4%	
75.3%	757	748	-9	-1.3%	
76.5%	748	747	-1		

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

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,131	6,088	-44	-0.7%	
6.2%	6,047	6,046	-1	0.0%	
7.4%	5,597	5,547	-49	-0.9%	
8.6%	5,252	5,252	0	0.0%	
9.9%	5,114	5,116	2	0.0%	
11.1%	4,901	4,901	0	0.0%	
12.3%	4,645	4,575	-71	-1.5%	
13.6%	4,455	4,509	55	1.2%	
14.8%	4,399	4,455	56	1.3%	
16.0%	4,385	4,385	0	0.0%	
17.3%	4,165	4,165	0	0.0%	
18.5%	4,060	4,060	0	0.0%	
19.8%	3,961	3,961	0	0.0%	
21.0%	3,799	3,860	60	1.6%	
22.2%	3,442	3,442	0	0.0%	
23.5%	3,422	3,422	0	0.0%	
24.7%	3,237	3,237	0	0.0%	
25.9%	3,141	2,935	-207	-6.6%	
27.2%	3,096	2,893	-202	-6.5%	
28.4%	2,867	2,867	-35	-1.2%	
29.6%	2,852	2,878	26	0.9%	
30.9%	2,878	2,856	-22	-0.8%	
32.1%	2,863	2,854	-9	-0.3%	
33.3%	2,854	2,852	-2	-0.1%	
34.6%	2,851	2,851	0	0.0%	
35.8%	2,738	2,948	210	7.7%	
37.0%	2,690	2,843	153	5.7%	
38.3%	2,675	2,735	60	2.2%	
39.5%	2,659	2,690	31	1.2%	
40.7%	2,640	2,659	19	0.7%	
42.0%	2,534	2,640	106	4.2%	
43.2%	2,526	2,613	88	3.5%	
44.4%	2,383	2,526	142	6.0%	
45.7%	2,364	2,433	69	2.9%	
46.9%	2,335	2,379	44	1.9%	
48.1%	2,322	2,364	42	1.8%	
49.4%	2,291	2,363	72	3.1%	
50.6%	2,271	2,085	-186	-8.2%	
51.9%	2,181	2,041	-140	-6.4%	
53.1%	2,081	2,008	-73	-3.5%	
54.3%	1,930	1,976	46	2.4%	
55.6%	1,917	1,930	13	0.7%	
56.8%	1,837	1,863	27	1.5%	
58.0%	1,740	1,860	120	6.9%	
59.3%	1,725	1,851	126	7.3%	
60.5%	1,698	1,837	139	8.2%	
61.7%	1,675	1,778	103	6.2%	
63.0%	1,668	1,726	58	3.4%	
64.2%	1,668	1,698	30	1.8%	
65.4%	1,656	1,675	19	1.1%	
66.7%	1,653	1,668	15	0.9%	
67.9%	1,643	1,668	25	1.5%	
69.1%	1,637	1,656	19	1.1%	
70.4%	1,618	1,653	34	2.1%	
71.6%	1,585	1,642	57	3.6%	
72.8%	1,521	1,637	116	7.6%	
74.1%	1,469	1,636	166	11.3%	
75.3%	1,385	1,620	235	17.0%	
76.5%	1,369	1,608	239	17.4%	
77.8%	919	1,521	602	65.5%	
79.0%	876	1,511	635	72.4%	
80.2%	771	1,270	499	64.8%	
81.5%	300	1,156	856	285.4%	
82.7%	300	415	115	38.2%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	277	300	23	8.2%	
93.8%	260	300	40	15.5%	
95.1%	241	280	39	16.3%	
96.3%	226	241	15	6.6%	
97.5%	202	226	25	12.3%	
98.8%	120	105	-15	-12.5%	
100.0%	45	97	51	113.3%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,680	6,680	0	0.0%	
6.2%	6,680	6,680	0	0.0%	
7.4%	6,680	6,680	0	0.0%	
8.6%	6,680	6,680	0	0.0%	
9.9%	6,680	6,680	0	0.0%	
11.1%	6,680	6,680	0	0.0%	
12.3%	6,680	6,680	0	0.0%	
13.6%	6,680	6,680	0	0.0%	
14.8%	6,680	6,680	0	0.0%	
16.0%	6,680	6,680	0	0.0%	
17.3%	6,680	6,680	0	0.0%	
18.5%	6,680	6,680	0	0.0%	
19.8%	6,680	6,680	0	0.0%	
21.0%	6,680	6,680	0	0.0%	
22.2%	6,680	6,680	0	0.0%	
23.5%	6,680	6,680	0	0.0%	
24.7%	6,680	6,680	0	0.0%	
25.9%	6,680	6,680	0	0.0%	
27.2%	6,680	6,680	0	0.0%	
28.4%	6,680	6,680	0	0.0%	
29.6%	6,680	6,680	0	0.0%	
30.9%	6,680	6,680	0	0.0%	
32.1%	6,680	6,680	0	0.0%	
33.3%	6,680	6,680	0	0.0%	
34.6%	6,680	6,680	0	0.0%	
35.8%	6,680	6,680	0	0.0%	
37.0%	6,680	6,680	0	0.0%	
38.3%	6,680	6,680	0	0.0%	
39.5%	6,680	6,680	0	0.0%	
40.7%	6,680	6,680	0	0.0%	
42.0%	6,680	6,680	0	0.0%	
43.2%	6,680	6,680	0	0.0%	
44.4%	6,680	6,680	0	0.0%	
45.7%	6,680	6,680	0	0.0%	
46.9%	6,680	6,680	0	0.0%	
48.1%	6,680	6,680	0	0.0%	
49.4%	6,680	6,680	0	0.0%	
50.6%	6,680	6,680	0	0.0%	
51.9%	6,680	6,680	0	0.0%	
53.1%	6,664	6,680	16	0.2%	
54.3%	6,663	6,680	17	0.3%	
55.6%	6,663	6,680	17	0.3%	
56.8%	6,663	6,680	17	0.3%	
58.0%	6,662	6,680	18	0.3%	
59.3%	6,662	6,664	2	0.0%	
60.5%	6,662	6,664	2	0.0%	
61.7%	6,659	6,664	5	0.1%	
63.0%	6,647	6,664	16	0.2%	
64.2%	6,629	6,663	34	0.5%	
65.4%	6,612	6,663	51	0.8%	
66.7%	6,538	6,662	124	1.9%	
67.9%	6,507	6,662	154	2.4%	
69.1%	6,201	6,662	461	7.4%	
70.4%	6,159	6,661	503	8.2%	
71.6%	6,012	6,660	647	10.8%	
72.8%	6,008	6,648	640	10.7%	
74.1%	5,789	6,534	745	12.9%	
75.3%	5,757	6,522	764	13.3%	
76.5%	5,596	6,171	576	10.3%	
77.8%	5,392	6,158	766	14.2%	
79.0%	5,344	6,022	678	12.7%	
80.2%	5,287	6,009	723	13.7%	
81.5%	5,087	5,875	788	15.5%	
82.7%	4,583	5,683	1,100	24.0%	
84.0%	4,550	5,394	843	18.5%	
85.2%	3,506	5,340	1,834	52.3%	
86.4%	3,305	3,380	75	2.3%	
87.7%	1,924	2,835	911	47.4%	
88.9%	931	2,270	1,339	143.9%	
90.1%	779	1,829	1,050	134.9%	
91.4%	313	1,514	1,201	384.3%	
92.6%	300	1,259	959	319.6%	
93.8%	300	789	489	162.9%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,680	6,680	0	0.0%	
1.2%	6,680	6,680	0	0.0%	
2.5%	6,680	6,680	0	0.0%	
3.7%	6,680	6,680	0	0.0%	
4.9%	6,680	6,680	0	0.0%	
6.2%	6,680	6,680	0	0.0%	
7.4%	6,680	6,680	0	0.0%	
8.6%	6,680	6,680	0	0.0%	
9.9%	6,680	6,680	0	0.0%	
11.1%	6,680	6,680	0	0.0%	
12.3%	6,680	6,680	0	0.0%	
13.6%	6,680	6,680	0	0.0%	
14.8%	6,680	6,680	0	0.0%	
16.0%	6,680	6,680	0	0.0%	
17.3%	6,680	6,680	0	0.0%	
18.5%	6,680	6,680	0	0.0%	
19.8%	6,680	6,680	0	0.0%	
21.0%	6,680	6,680	0	0.0%	
22.2%	6,680	6,680	0	0.0%	
23.5%	6,680	6,680	0	0.0%	
24.7%	6,680	6,680	0	0.0%	
25.9%	6,680	6,680	0	0.0%	
27.2%	6,680	6,680	0	0.0%	
28.4%	6,680	6,680	0	0.0%	
29.6%	6,680	6,680	0	0.0%	
30.9%	6,680	6,680	0	0.0%	
32.1%	6,680	6,680	0	0.0%	
33.3%	6,680	6,680	0	0.0%	
34.6%	6,680	6,680	0	0.0%	
35.8%	6,680	6,680	0	0.0%	
37.0%	6,680	6,680	0	0.0%	
38.3%	6,680	6,680	0	0.0%	
39.5%	6,680	6,680	0	0.0%	
40.7%	6,680	6,680	0	0.0%	
42.0%	6,680	6,680	0	0.0%	
43.2%	6,680	6,680	0	0.0%	
44.4%	6,680	6,680	0	0.0%	
45.7%	6,680	6,680	0	0.0%	
46.9%	6,680	6,680	0	0.0%	
48.1%	6,680	6,680	0	0.0%	
49.4%	6,680	6,680	0	0.0%	
50.6%	6,680	6,680	0	0.0%	
51.9%	6,680	6,680	0	0.0%	
53.1%	6,680	6,680	0	0.0%	
54.3%	6,680	6,680	0	0.0%	
55.6%	6,680	6,680	0	0.0%	
56.8%	6,680	6,680	0	0.0%	
58.0%	6,680	6,680	0	0.0%	
59.3%	6,680	6,680	0	0.0%	
60.5%	6,659	6,680	21	0.3%	
61.7%	6,485	6,680	195	3.0%	
63.0%	6,380	6,680	300	4.7%	
64.2%	3,631	6,579	2,949	81.2%	
65.4%	3,533	6,113	2,580	73.0%	
66.7%	3,300	5,202	1,903	57.7%	
67.9%	3,164	4,301	1,138	36.0%	
69.1%	3,020	3,651	631	20.9%	
70.4%	2,811	3,245	434	15.5%	
71.6%	2,775	3,050	275	9.9%	
72.8%	2,764	2,917	153	5.5%	
74.1%	2,756	2,550	-206	-7.5%	
75.3%	2,302	2,499	197	8.6%	
76.5%	1,57				

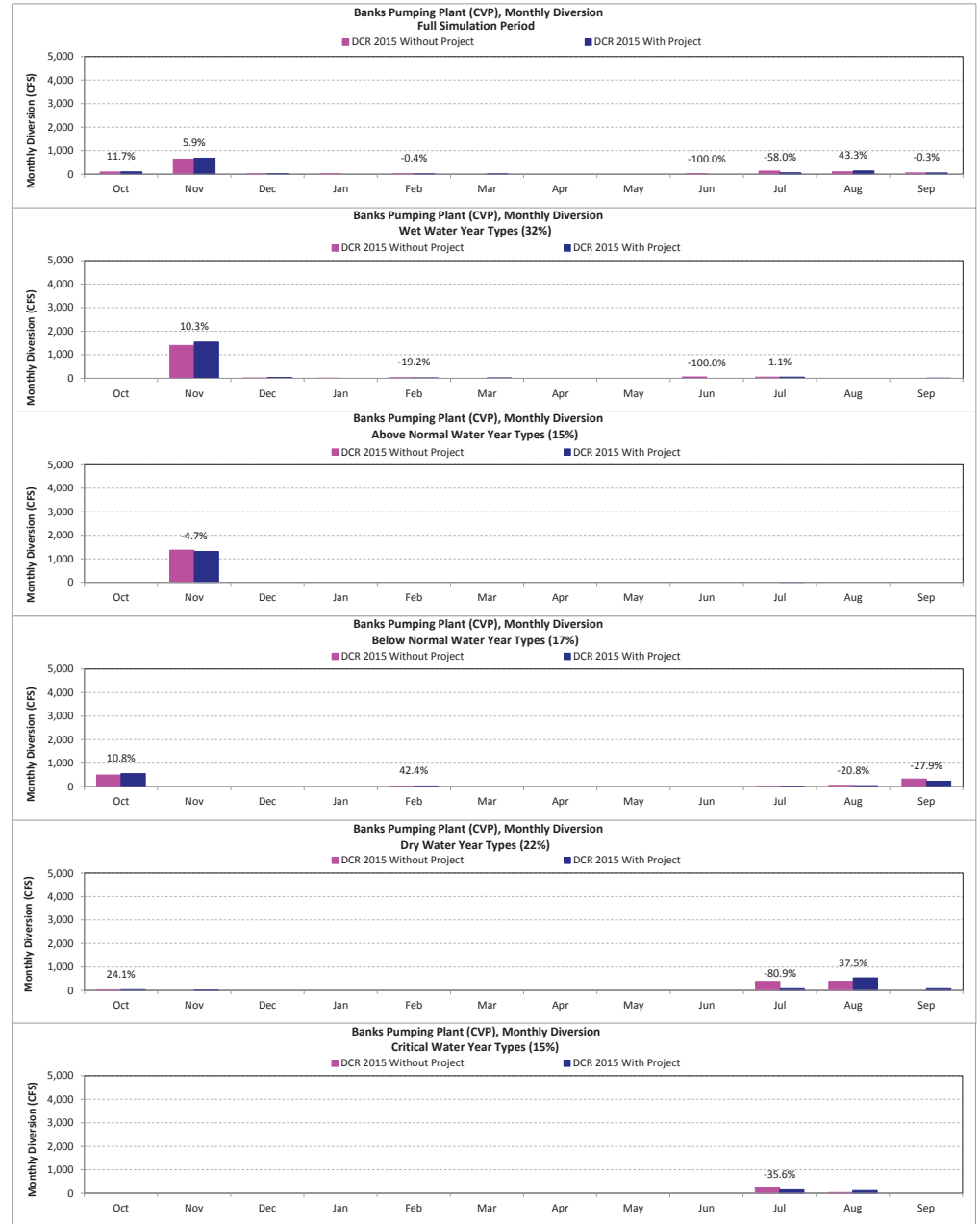
Table SW-40-a  
Banks Pumping Plant (CVP), Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	91	644	4	2	11	0	0	0	19	135	99	56
DCR 2015 With Project	102	681	11	0	11	5	0	0	0	57	142	56
Difference	11	38	7	-2	0	5	0	0	-19	-78	43	0
Percent Difference <sup>3</sup>	11.7%	5.9%			-0.4%				-100.0%	-58.0%	43.3%	-0.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	1,396	12	7	24	0	0	0	60	50	0	0
DCR 2015 With Project	0	1,540	34	0	19	17	0	0	0	51	0	0
Difference	0	144	22	-7	-5	17	0	0	-60	1	0	0
Percent Difference		10.3%			-19.2%				-100.0%	1.1%		
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	1,374	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	0	1,310	0	0	0	0	0	0	0	2	0	0
Difference	0	-64	0	0	0	0	0	0	0	2	0	0
Percent Difference		-4.7%										
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	498	0	0	0	19	0	0	0	0	6	56	328
DCR 2015 With Project	552	0	0	0	27	0	0	0	0	14	44	236
Difference	54	0	0	0	8	0	0	0	0	8	-12	-91
Percent Difference	10.8%				42.4%					20.8%	27.9%	
<b>Dry (22%)</b>												
DCR 2015 Without Project	29	0	0	0	0	0	0	0	0	383	387	0
DCR 2015 With Project	36	6	0	0	0	0	0	0	0	73	532	70
Difference	7	6	0	0	0	0	0	0	0	-310	145	70
Percent Difference	24.1%									-80.9%	37.5%	
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	233	29	0
DCR 2015 With Project	0	0	0	0	0	0	0	0	0	150	117	0
Difference	0	0	0	0	0	0	0	0	0	-83	88	0
Percent Difference										-35.6%		

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

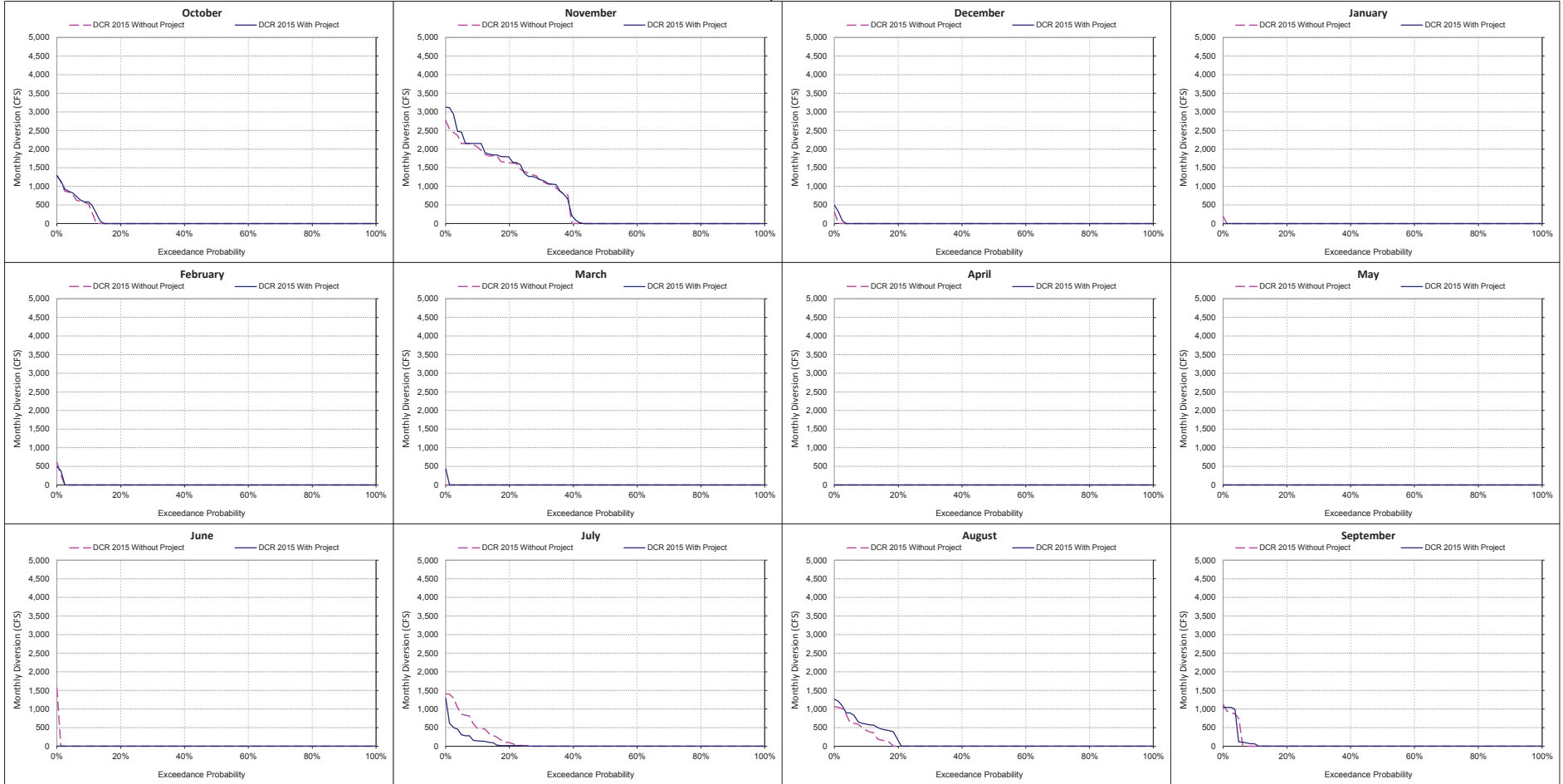


Table SW-40-b  
Banks Pumping Plant (CVP), Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,302	1,281	-21	-1.6%	
1.2%	1,120	1,141	20	1.8%	
2.5%	868	927	59	6.8%	
3.7%	844	866	22	2.7%	
4.9%	775	821	45	5.9%	
6.2%	623	721	98	15.8%	
7.4%	596	632	36	6.1%	
8.6%	569	582	13	2.3%	
9.9%	523	582	58	11.2%	
11.1%	275	479	204	73.9%	
12.3%	0	276	276		
13.6%	0	67	67		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.6%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	2,764	3,127	362	13.1%	
1.2%	2,532	3,116	584	23.0%	
2.5%	2,447	2,939	492	20.1%	
3.7%	2,370	2,476	106	4.5%	
4.9%	2,151	2,460	309	14.4%	
6.2%	2,151	2,151	0	0.0%	
7.4%	2,151	2,151	0	0.0%	
8.6%	2,124	2,151	27	1.3%	
9.9%	2,062	2,151	89	4.3%	
11.1%	1,961	2,151	190	9.7%	
12.3%	1,859	1,902	42	2.3%	
13.6%	1,817	1,868	51	2.8%	
14.8%	1,817	1,848	30	1.7%	
16.0%	1,817	1,847	29	1.6%	
17.3%	1,667	1,798	131	7.9%	
18.5%	1,646	1,796	149	9.1%	
19.8%	1,625	1,794	165	10.1%	
21.0%	1,625	1,644	19	1.1%	
22.2%	1,615	1,636	21	1.3%	
23.5%	1,455	1,581	126	8.7%	
24.7%	1,396	1,351	-45	-3.2%	
25.9%	1,356	1,270	-86	-6.3%	
27.2%	1,307	1,269	-38	-2.9%	
28.4%	1,285	1,230	-55	-4.3%	
29.6%	1,142	1,182	40	3.5%	
30.9%	1,106	1,145	39	3.5%	
32.1%	1,059	1,074	15	1.4%	
33.3%	1,058	1,057	-1	-0.1%	
34.6%	963	1,043	80	8.3%	
35.8%	865	876	12	1.4%	
37.0%	805	791	-13	-1.6%	
38.3%	772	658	-114	-14.8%	
39.5%	0	219	219		
40.7%	0	91	91		
42.0%	0	25	25		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	320	499	179	55.9%	
1.2%	0	320	320		
2.5%	0	73	73		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.6%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

January					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	195	0	-195	-100.0%	
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.6%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0				

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

Percent Exceedance Probability (%)	February		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)		
0.0%	612	495	-117	-19.2%
1.2%	266	361	114	42.4%
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability (%)	March		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)		
0.0%	0	431	431	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability (%)	April		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)		
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability (%)	May		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)		
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	

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

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,566	0	-1,566	-100.0%
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,411	1,286	-124	-8.8%
1.2%	1,388	619	-779	-55.7%
2.5%	1,288	502	-786	-61.1%
3.7%	1,039	460	-579	-55.7%
4.9%	862	308	-554	-64.3%
6.2%	834	281	-553	-66.3%
7.4%	816	280	-536	-65.7%
8.6%	607	158	-449	-73.9%
9.9%	488	143	-345	-70.7%
11.1%	477	138	-338	-71.0%
12.3%	458	131	-326	-71.3%
13.6%	342	103	-240	-70.0%
14.8%	291	99	-193	-66.1%
16.0%	245	32	-214	-87.1%
17.3%	169	20	-148	-87.9%
18.5%	103	19	-84	-81.7%
19.8%	101	18	-83	-81.8%
21.0%	68	18	-50	-73.2%
22.2%	27	18	-9	-33.9%
23.5%	21	17	-4	-18.2%
24.7%	18	0	-18	-100.0%
25.9%	18	0	-18	-100.0%
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,063	1,268	205	19.2%
1.2%	1,046	1,212	166	15.9%
2.5%	1,010	1,079	69	6.8%
3.7%	855	903	48	5.6%
4.9%	633	895	263	41.5%
6.2%	616	833	217	35.3%
7.4%	592	657	65	11.1%
8.6%	507	618	111	21.9%
9.9%	433	597	164	37.8%
11.1%	382	575	192	50.2%
12.3%	360	567	207	57.3%
13.6%	190	505	315	165.5%
14.8%	161	458	297	184.3%
16.0%	147	438	291	197.5%
17.3%	105	420	315	299.8%
18.5%	0	387	387	
19.8%	0	195	195	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,126	1,048	-79	-7.0%
1.2%	943	1,048	104	11.1%
2.5%	897	1,043	146	16.3%
3.7%	872	992	119	13.7%
4.9%	747	118	-629	-84.2%
6.2%	0	107	107	
7.4%	0	65	65	
8.6%	0	68	68	
9.9%	0	65	65	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	



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

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	552	673	940	1,202	1,418	1,603	1,431	1,100	766	635	491	527
DCR 2015 With Project	558	687	956	1,216	1,433	1,608	1,426	1,081	728	603	485	540
Difference	6	14	15	14	16	5	-5	-20	-38	-32	-6	13
Percent Difference <sup>2</sup>	1.1%	2.1%	1.6%	1.2%	1.1%	0.3%	-0.3%	-1.8%	-4.9%	-5.0%	-1.3%	2.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	703	713	1,006	1,279	1,557	1,814	1,611	1,235	948	771	659	720
DCR 2015 With Project	657	684	978	1,287	1,560	1,808	1,604	1,222	927	749	640	670
Difference	-46	-29	-28	8	3	-5	-7	-13	-21	-22	-19	-50
Percent Difference	-6.5%	-4.0%	-2.8%	0.6%	0.2%	-0.3%	-0.4%	-1.0%	-2.2%	-2.9%	-2.8%	-7.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	563	678	973	1,239	1,431	1,653	1,425	1,011	665	500	443	523
DCR 2015 With Project	577	685	979	1,249	1,438	1,659	1,427	1,002	650	498	434	520
Difference	14	8	6	10	7	6	2	-9	-14	-2	-9	-3
Percent Difference	2.4%	1.1%	0.6%	0.8%	0.5%	0.4%	0.2%	-0.9%	-2.2%	-0.4%	-2.1%	-0.6%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	721	961	1,243	1,181	1,383	1,580	1,386	1,027	656	599	550	622
DCR 2015 With Project	722	955	1,249	1,172	1,386	1,568	1,367	994	602	546	506	609
Difference	1	-6	6	-9	3	-12	-19	-32	-55	-53	-44	-12
Percent Difference	0.1%	-0.6%	0.5%	-0.7%	0.2%	-0.7%	-1.4%	-3.1%	-8.3%	-8.9%	-8.1%	-2.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	374	569	782	1,186	1,378	1,499	1,353	1,067	690	631	367	359
DCR 2015 With Project	411	619	854	1,221	1,404	1,512	1,337	1,020	610	572	356	412
Difference	36	50	72	35	26	14	-15	-46	-80	-59	-11	53
Percent Difference	9.8%	8.8%	9.2%	3.0%	1.9%	0.9%	-1.1%	-4.3%	-11.6%	-9.4%	-3.0%	14.8%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	287	400	649	1,046	1,204	1,281	1,216	1,035	714	521	291	253
DCR 2015 With Project	357	481	695	1,074	1,255	1,312	1,241	1,043	699	505	366	389
Difference	70	81	46	28	51	32	25	8	-14	-16	75	136
Percent Difference	24.4%	20.2%	7.1%	2.7%	4.2%	2.5%	2.1%	0.8%	-2.0%	-3.1%	25.6%	53.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

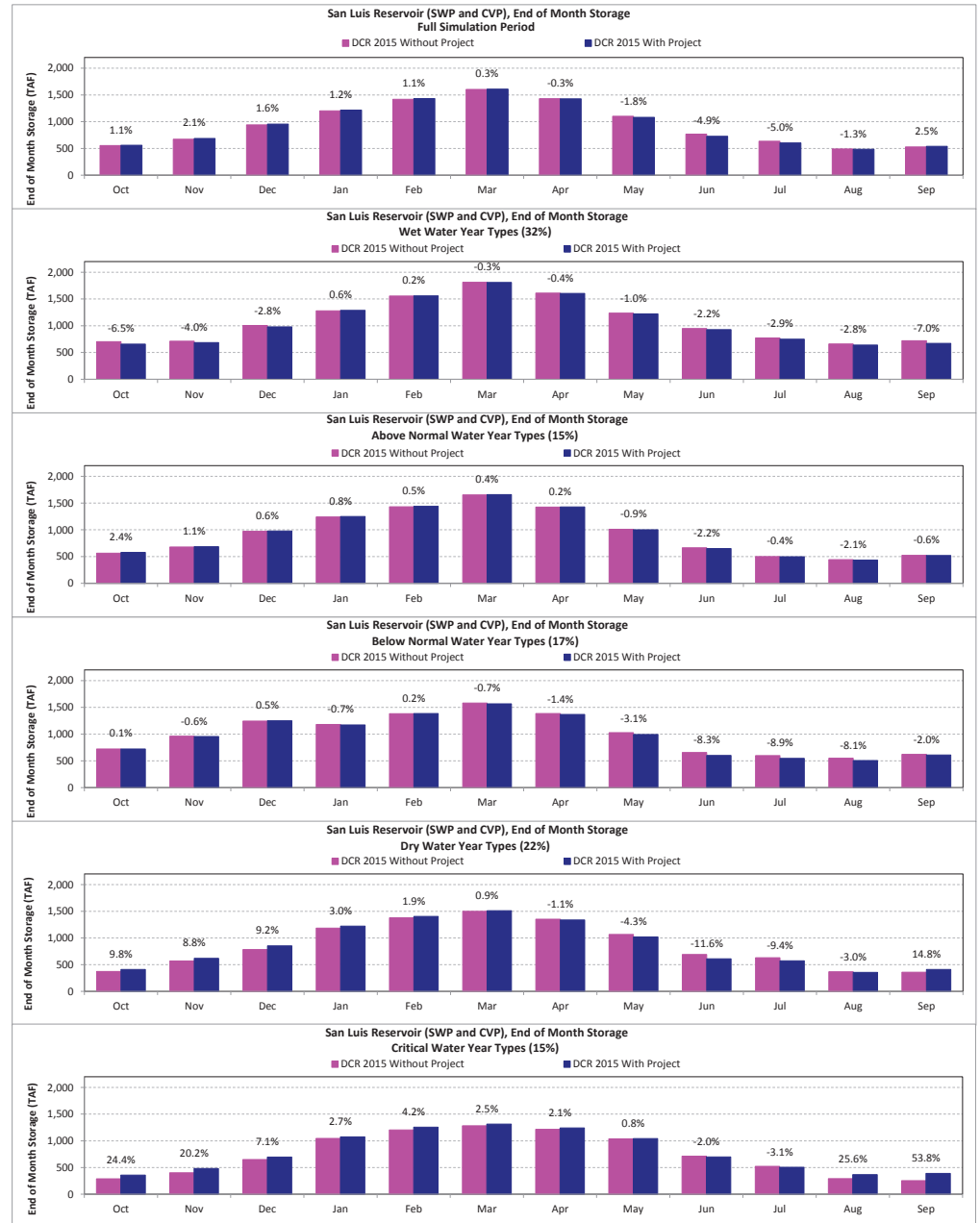


Figure SW-41-b  
San Luis Reservoir (SWP and CVP), End of Month Storage  
Probability of Exceedance

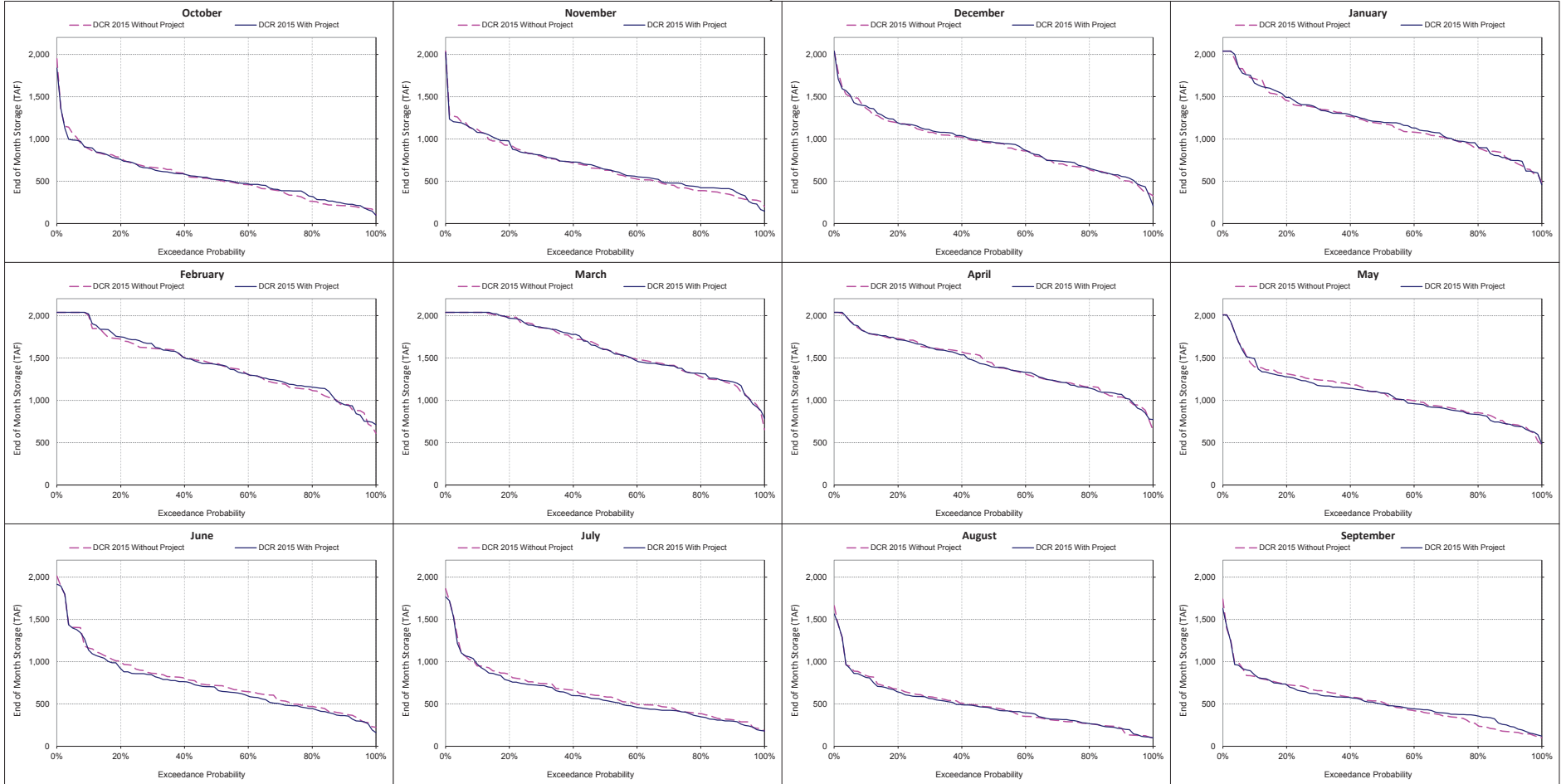


Table SW-41-b  
San Luis Reservoir (SWP and CVP), End of Month Storage  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,949	1,838	-111	-5.7%	
1.2%	1,352	1,361	9	0.7%	
2.5%	1,150	1,126	-24	-2.1%	
3.7%	1,139	997	-142	-12.5%	
4.9%	1,064	988	-75	-7.1%	
6.2%	1,021	983	-38	-3.7%	
7.4%	953	971	18	1.9%	
8.6%	912	905	-7	-0.8%	
9.9%	885	900	15	1.7%	
11.1%	859	892	33	3.9%	
12.3%	841	845	4	0.5%	
13.6%	830	840	10	1.2%	
14.8%	819	827	8	1.0%	
16.0%	817	809	-8	-1.0%	
17.3%	813	783	-30	-3.7%	
18.5%	790	771	-19	-2.4%	
19.8%	784	762	-22	-2.8%	
21.0%	747	736	-12	-1.5%	
22.2%	728	732	4	0.5%	
23.5%	716	725	10	1.3%	
24.7%	703	705	2	0.3%	
25.9%	692	674	-18	-2.6%	
27.2%	680	659	-21	-3.1%	
28.4%	668	658	-10	-1.4%	
29.6%	666	648	-19	-2.8%	
30.9%	660	630	-29	-4.4%	
32.1%	656	621	-35	-5.4%	
33.3%	653	615	-38	-5.8%	
34.6%	638	612	-26	-4.2%	
35.8%	638	602	-36	-5.7%	
37.0%	606	591	-15	-2.6%	
38.3%	601	590	-11	-1.8%	
39.5%	596	589	-7	-1.2%	
40.7%	560	576	16	2.8%	
42.0%	549	563	13	2.4%	
43.2%	547	561	14	2.5%	
44.4%	545	555	10	1.8%	
45.7%	537	549	12	2.3%	
46.9%	535	547	12	2.2%	
48.1%	531	529	-3	-0.5%	
49.4%	520	522	2	0.4%	
50.6%	516	520	4	0.8%	
51.9%	503	517	15	2.9%	
53.1%	493	508	15	3.0%	
54.3%	493	503	9	1.9%	
55.6%	483	495	12	2.4%	
56.8%	474	482	8	1.7%	
58.0%	464	476	12	2.5%	
59.3%	461	475	14	3.0%	
60.5%	460	464	4	1.0%	
61.7%	447	463	16	3.5%	
63.0%	434	463	29	6.7%	
64.2%	413	453	40	9.7%	
65.4%	411	450	40	9.7%	
66.7%	405	418	13	3.1%	
67.9%	398	406	8	2.1%	
69.1%	391	403	12	3.2%	
70.4%	387	387	0	-0.1%	
71.6%	356	387	31	8.8%	
72.8%	335	387	51	15.2%	
74.1%	335	386	51	15.2%	
75.3%	326	385	59	18.1%	
76.5%	316	385	69	21.7%	
77.8%	291	360	68	23.5%	
79.0%	266	324	59	22.1%	
80.2%	263	320	57	21.6%	
81.5%	256	284	28	10.9%	
82.7%	232	282	50	21.4%	
84.0%	231	281	50	21.7%	
85.2%	220	266	46	21.0%	
86.4%	219	264	45	20.4%	
87.7%	216	253	37	17.2%	
88.9%	212	245	33	15.7%	
90.1%	210	235	23	11.0%	
91.4%	210	227	17	8.2%	
92.6%	205	226	21	10.4%	
93.8%	197	215	18	9.0%	
95.1%	186	210	25	13.4%	
96.3%	183	183	0	-0.1%	
97.5%	177	163	-14	-7.9%	
98.8%	172	145	-27	-15.9%	
100.0%	100	100	0	0.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,039	2,023	-16	-0.8%	
1.2%	1,277	1,236	-41	-3.2%	
2.5%	1,270	1,204	-66	-5.2%	
3.7%	1,258	1,199	-59	-4.7%	
4.9%	1,202	1,190	-12	-1.0%	
6.2%	1,199	1,169	-30	-2.5%	
7.4%	1,146	1,142	-4	-0.3%	
8.6%	1,121	1,120	0	0.0%	
9.9%	1,115	1,078	-37	-3.3%	
11.1%	1,081	1,076	-5	-0.5%	
12.3%	1,064	1,066	2	0.2%	
13.6%	993	1,047	54	5.4%	
14.8%	976	1,022	46	4.7%	
16.0%	976	1,005	29	2.9%	
17.3%	963	981	19	1.9%	
18.5%	927	981	53	5.8%	
19.8%	926	976	50	5.4%	
21.0%	914	877	-37	-4.0%	
22.2%	884	867	-17	-1.9%	
23.5%	870	846	-24	-2.7%	
24.7%	850	837	-12	-1.4%	
25.9%	827	835	7	0.9%	
27.2%	828	824	-4	-0.4%	
28.4%	808	814	4	0.5%	
29.6%	799	812	13	1.6%	
30.9%	778	797	19	2.4%	
32.1%	765	780	15	1.9%	
33.3%	765	774	10	1.3%	
34.6%	760	765	5	0.6%	
35.8%	736	740	4	0.5%	
37.0%	736	737	1	0.2%	
38.3%	731	734	2	0.3%	
39.5%	720	728	8	1.1%	
40.7%	711	727	16	2.3%	
42.0%	703	723	20	2.8%	
43.2%	692	704	12	1.8%	
44.4%	687	700	12	1.8%	
45.7%	657	697	40	6.1%	
46.9%	654	680	26	3.9%	
48.1%	651	664	12	1.9%	
49.4%	632	646	14	2.3%	
50.6%	630	638	8	1.2%	
51.9%	630	630	0	0.0%	
53.1%	590	618	28	4.7%	
54.3%	577	606	29	5.1%	
55.6%	568	587	19	3.3%	
56.8%	550	568	18	3.2%	
58.0%	541	565	24	4.5%	
59.3%	533	560	28	5.2%	
60.5%	522	553	31	5.8%	
61.7%	517	547	29	5.7%	
63.0%	517	543	26	5.0%	
64.2%	516	538	22	4.3%	
65.4%	505	528	23	4.5%	
66.7%	499	522	23	4.7%	
67.9%	474	493	19	3.9%	
69.1%	465	481	16	3.5%	
70.4%	457	479	22	4.8%	
71.6%	451	479	27	6.1%	
72.8%	422	478	57	13.5%	
74.1%	422	473	52	12.2%	
75.3%	422	450	28	6.8%	
76.5%	409	444	35	8.5%	
77.8%	395	440	46	11.5%	
79.0%	389	436	47	12.0%	
80.2%	389	423	34	8.7%	
81.5%	389	422	33	8.5%	
82.7%	379	422	42	11.1%	
84.0%	376	422	45	12.1%	
85.2%	372	419	47	12.6%	
86.4%	359	414	55	15.3%	
87.7%	354	414	60	16.8%	
88.9%	348	412	65	18.9%	
90.1%	333	397	64	19.2%	
91.4%	305	385	60	19.7%	
92.6%	297	345	48	16.2%	
93.8%	287	328	41	14.4%	
95.1%	282	263	-19	-6.8%	
96.3%	279	248	-31	-11.1%	
97.5%	276	232	-45	-16.2%	
98.8%	261	164	-98	-37.3%	
100.0%	200	145	-55	-27.6%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,039	2,039	0	0.0%	
1.2%	1,710	2,039	329	19.3%	
2.5%	1,618	1,592	-26	-1.6%	
3.7%	1,528	1,570	42	2.7%	
4.9%	1,504	1,524	21	1.4%	
6.2%	1,484	1,431	-53	-3.8%	
7.4%	1,484	1,407	-77	-5.2%	
8.6%	1,412	1,399	-13	-0.9%	
9.9%	1,366	1,393	27	2.0%	
11.1%	1,333	1,365	33	2.4%	
12.3%	1,282	1,357	75	5.9%	
13.6%	1,277	1,305	28	2.2%	
14.8%	1,246	1,286	40	3.2%	
16.0%	1,223	1,255	32	2.6%	
17.3%	1,209	1,239	30	2.5%	
18.5%	1,200	1,235	36	3.0%	
19.8%	1,193	1,195	2	0.2%	
21.0%	1,181	1,177	-5	-0.4%	
22.2%	1,177	1,176	-1	-0.1%	
23.5%	1,161	1,173	12	1.1%	
24.7%	1,154	1,167	13	1.1%	
25.9%	1,120	1,155	35	3.1%	
27.2%	1,108	1,132	25	2.2%	
28.4%	1,115	1,115	0	0.0%	
29.6%	1,078	1,114	35	3.3%	
30.9%	1,078	1,094	15	1.4%	
32.1%	1,061	1,085	24	2.2%	
33.3%	1,049	1,078	29	2.8%	
34.6%	1,047	1,077	31	2.9%	
35.8%	1,046	1,074	28	2.7%	
37.0%	1,034	1,070	36	3.5%	
38.3%	1,027	1,040	13	1.3%	
39.5%	1,024	1,048	24	2.3%	
40.7%	1,016	1,031	15	1.5%	
42.0%	1,013	1,036	23	2.3%	
43.2%	983	1,001	18	1.8%	
44.4%	980	992	12	1.3%	
45.7%	971	984	12	1.3%	
46.9%	963	972	10	1.0%	
48.1%	956	968	12	1.2%	
49.4%	953	940	-14	-1.4%	
50.6%	949	956	7	0.7%	
51.9%	946	953	7	0.7%	
53.1%	945	944	-1	-0.1%	
54.3%	893	940	47	5.5%	
55.6%	893	940	47	5.2%	
56.8%	874	934	60	6.9%	
58.0%	871	915	42	4.8%	
59.3%	859	878	19	2.3%	
60.5%	856	860	4	0.4%	
61.7%	845	833	-11	-1.3%	
63.0%	800	817	18	2.2%	
64.2%	793	810	20	2.5%	
65.4%	789	781	-8	-1.0%	
66.7%	749	745	-4	-0.5%	
67.9%	744	745	1	0.1%	
69.1%	708	742	34	4.9%	
70.4%	705	739	34	4.8%	
71.6%	705	736	31	4.4%	
72.8%	687	730	43	6.3%	
74.1%	678	728	50	7.4%	
75.3%	676	722	45	6.7%	
76.5%	670	689	19	2.8%	
77.8%	668	679	10	1.6%	
79.0%	662	666	4	0.6%	
80.2%	634	647	13	2.0%	
81.5%	620	637	16	2.6%	
82.7%	620	624	4	0.6%	
84.0%	616	605	-11	-1.8%	
85.2%	595	601	5	0.9%	
86.4%	580	588	9	1.5%	
87.7%	576	576	-1	-0.1%	
88.9%	554	575	22	3.9%	
90.1%	512	557	45	8.7%	
91.4%					

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

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,006	2,022	16	0.8%
11.1%	1,848	1,904	56	3.0%
12.3%	1,848	1,887	39	2.1%
13.6%	1,841	1,840	-1	-0.1%
14.8%	1,790	1,838	48	2.7%
16.0%	1,746	1,834	88	5.1%
17.3%	1,737	1,797	61	3.5%
18.5%	1,730	1,758	28	1.6%
19.8%	1,726	1,751	26	1.5%
21.0%	1,700	1,744	44	2.6%
22.2%	1,695	1,727	32	1.9%
23.5%	1,676	1,717	41	2.5%
24.7%	1,657	1,716	59	3.6%
25.9%	1,627	1,704	78	4.8%
27.2%	1,624	1,682	58	3.6%
28.4%	1,622	1,672	50	3.1%
29.6%	1,616	1,672	56	3.5%
30.9%	1,610	1,625	15	0.9%
32.1%	1,608	1,617	9	0.6%
33.3%	1,606	1,593	-13	-0.8%
34.6%	1,602	1,590	-11	-0.7%
35.8%	1,598	1,581	-17	-1.1%
37.0%	1,593	1,579	-13	-0.8%
38.3%	1,548	1,554	6	0.4%
39.5%	1,513	1,508	-4	-0.3%
40.7%	1,500	1,489	-10	-0.7%
42.0%	1,494	1,488	-5	-0.3%
43.2%	1,478	1,465	-13	-0.9%
44.4%	1,472	1,449	-23	-1.5%
45.7%	1,469	1,435	-34	-2.3%
46.9%	1,455	1,434	-21	-1.5%
48.1%	1,438	1,433	-5	-0.4%
49.4%	1,436	1,427	-9	-0.6%
50.6%	1,431	1,420	-11	-0.8%
51.9%	1,407	1,417	10	0.7%
53.1%	1,396	1,403	8	0.6%
54.3%	1,384	1,366	-18	-1.3%
55.6%	1,375	1,361	-14	-1.0%
56.8%	1,370	1,333	-37	-2.7%
58.0%	1,352	1,322	-30	-2.2%
59.3%	1,315	1,317	2	0.1%
60.5%	1,295	1,298	3	0.2%
61.7%	1,294	1,293	-1	0.0%
63.0%	1,283	1,286	3	0.2%
64.2%	1,270	1,266	-4	-0.3%
65.4%	1,226	1,262	36	3.0%
66.7%	1,221	1,246	25	2.0%
67.9%	1,208	1,244	35	2.9%
69.1%	1,202	1,234	32	2.7%
70.4%	1,197	1,223	26	2.2%
71.6%	1,190	1,208	18	1.5%
72.8%	1,154	1,189	35	3.0%
74.1%	1,148	1,187	39	3.4%
75.3%	1,144	1,173	29	2.6%
76.5%	1,138	1,173	35	3.0%
77.8%	1,135	1,164	29	2.5%
79.0%	1,132	1,162	31	2.7%
80.2%	1,114	1,156	41	3.7%
81.5%	1,109	1,148	39	3.5%
82.7%	1,077	1,142	65	6.1%
84.0%	1,053	1,141	88	8.4%
85.2%	1,035	1,108	72	7.0%
86.4%	1,018	1,047	29	2.9%
87.7%	1,004	989	-14	-1.4%
88.9%	952	971	19	1.9%
90.1%	950	968	18	1.9%
91.4%	949	940	-9	-0.9%
92.6%	889	936	47	5.3%
93.8%	880	842	-37	-4.3%
95.1%	877	824	-52	-6.0%
96.3%	850	752	-98	-11.5%
97.5%	720	749	29	4.0%
98.8%	691	742	51	7.4%
100.0%	610	713	104	17.0%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,025	2,039	14	0.7%
14.8%	2,017	2,025	8	0.4%
16.0%	2,005	2,023	18	0.9%
17.3%	2,003	1,998	-5	-0.2%
18.5%	1,989	1,995	6	0.3%
19.8%	1,987	1,971	-17	-0.8%
21.0%	1,984	1,967	-17	-0.8%
22.2%	1,981	1,965	-16	-0.8%
23.5%	1,922	1,954	32	1.6%
24.7%	1,917	1,917	0	0.0%
25.9%	1,914	1,889	-25	-1.3%
27.2%	1,904	1,885	-19	-1.0%
28.4%	1,885	1,871	-14	-0.7%
29.6%	1,883	1,867	-16	-0.8%
30.9%	1,855	1,855	0	0.0%
32.1%	1,852	1,853	1	0.1%
33.3%	1,846	1,839	-7	-0.4%
34.6%	1,812	1,835	24	1.3%
35.8%	1,785	1,817	32	1.8%
37.0%	1,776	1,800	24	1.4%
38.3%	1,772	1,796	23	1.3%
39.5%	1,737	1,779	43	2.5%
40.7%	1,720	1,779	59	3.4%
42.0%	1,718	1,762	43	2.5%
43.2%	1,716	1,700	-16	-0.9%
44.4%	1,694	1,699	5	0.3%
45.7%	1,693	1,655	-38	-2.3%
46.9%	1,671	1,649	-23	-1.4%
48.1%	1,645	1,622	-24	-1.4%
49.4%	1,609	1,601	-8	-0.5%
50.6%	1,597	1,601	3	0.2%
51.9%	1,583	1,578	-5	-0.3%
53.1%	1,568	1,546	-22	-1.4%
54.3%	1,545	1,546	1	0.1%
55.6%	1,522	1,535	13	0.8%
56.8%	1,510	1,522	12	0.8%
58.0%	1,502	1,505	3	0.2%
59.3%	1,492	1,479	-13	-0.9%
60.5%	1,481	1,455	-26	-1.7%
61.7%	1,476	1,449	-27	-1.8%
63.0%	1,467	1,440	-27	-1.8%
64.2%	1,457	1,439	-19	-1.3%
65.4%	1,452	1,437	-15	-1.0%
66.7%	1,441	1,429	-12	-0.8%
67.9%	1,435	1,420	-15	-1.1%
69.1%	1,417	1,414	-3	-0.2%
70.4%	1,414	1,408	-6	-0.4%
71.6%	1,413	1,405	-8	-0.6%
72.8%	1,387	1,381	-7	-0.5%
74.1%	1,355	1,378	23	1.7%
75.3%	1,335	1,336	1	0.1%
76.5%	1,327	1,324	-3	-0.3%
77.8%	1,320	1,322	2	0.2%
79.0%	1,298	1,322	24	1.8%
80.2%	1,278	1,316	38	3.0%
81.5%	1,260	1,311	51	4.0%
82.7%	1,251	1,263	12	1.0%
84.0%	1,246	1,252	6	0.5%
85.2%	1,246	1,255	10	0.8%
86.4%	1,244	1,237	-7	-0.6%
87.7%	1,217	1,232	16	1.3%
88.9%	1,202	1,227	25	2.1%
90.1%	1,188	1,195	7	0.6%
91.4%	1,161	1,203	42	3.6%
92.6%	1,098	1,175	76	6.9%
93.8%	1,077	1,061	-16	-1.5%
95.1%	1,018	1,028	10	1.0%
96.3%	994	956	-38	-3.8%
97.5%	923	944	22	2.4%
98.8%	861	882	21	2.5%
100.0%	653	785	132	20.2%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,026	2,039	13	0.6%
3.7%	1,994	1,994	0	0.0%
4.9%	1,938	1,938	0	0.0%
6.2%	1,905	1,893	-12	-0.6%
7.4%	1,858	1,878	21	1.1%
8.6%	1,830	1,822	-8	-0.4%
9.9%	1,811	1,806	-5	-0.3%
11.1%	1,789	1,786	-3	-0.2%
12.3%	1,779	1,781	3	0.2%
13.6%	1,767	1,776	8	0.5%
14.8%	1,767	1,764	-3	-0.2%
16.0%	1,749	1,763	14	0.8%
17.3%	1,737	1,746	9	0.5%
18.5%	1,736	1,745	9	0.5%
19.8%	1,732	1,716	-16	-0.9%
21.0%	1,725	1,714	-11	-0.6%
22.2%	1,714	1,707	-7	-0.4%
23.5%	1,712	1,694	-18	-1.1%
24.7%	1,711	1,683	-28	-1.6%
25.9%	1,692	1,666	-26	-1.5%
27.2%	1,639	1,663	25	1.5%
28.4%	1,629	1,648	18	1.1%
29.6%	1,629	1,622	-7	-0.4%
30.9%	1,615	1,617	2	0.1%
32.1%	1,615	1,596	-18	-1.1%
33.3%	1,603	1,595	-8	-0.5%
34.6%	1,600	1,590	-10	-0.6%
35.8%	1,599	1,579	-20	-1.2%
37.0%	1,594	1,571	-23	-1.5%
38.3%	1,588	1,558	-30	-1.9%
39.5%	1,582	1,539	-43	-2.7%
40.7%	1,561	1,538	-22	-1.4%
42.0%	1,553	1,492	-61	-3.9%
43.2%	1,476	1,475	-1	-0.1%
44.4%	1,542	1,458	-84	-5.5%
45.7%	1,530	1,435	-95	-6.2%
46.9%	1,474	1,428	-46	-3.1%
48.1%	1,457	1,416	-41	-2.8%
49.4%	1,444	1,396	-48	-3.4%
50.6%	1,393	1,392	-2	-0.1%
51.9%	1,384	1,390	6	0.4%
53.1%	1,379	1,386	6	0.5%
54.3%	1,369	1,376	6	0.5%
55.6%	1,358	1,357	-1	-0.1%
56.8%	1,347	1,350	4	0.3%
58.0%	1,334	1,342	8	0.6%
59.3%	1,323	1,335	12	0.9%
60.5%	1,302	1,330	28	2.1%
61.7%	1,291	1,326	35	2.7%
63.0%	1,274	1,303	29	2.3%
64.2%	1,271	1,279	8	0.6%
65.4%	1,254	1,265	11	0.9%
66.7%	1,246	1,247	1	0.1%
67.9%	1,244	1,241	-3	-0.2%
69.1%	1,228	1,232	4	0.4%
70.4%	1,216	1,220	4	0.3%
71.6%	1,212	1,212	0	0.0%
72.8%	1,208	1,209	1	0.1%
74.1%	1,206	1,180	-26	-2.1%
75.3%	1,190	1,178	-12	-1.0%
76.5%	1,185	1,159	-26	-2.2%
77.8%	1,169	1,158	-11	-1.0%
79.0%	1,160	1,152	-8	-0.7%
80.2%	1,160	1,142	-18	-1.5%
81.5%	1,159	1,130	-29	-2.5%
82.7%	1,153	1,108	-45	-3.9%
84.0%	1,094	1,095	2	0.2%
85.2%	1,078	1,095	17	1.6%
86.4%	1,054	1,093	39	3.7%
87.7%	1,050	1,087	37	3.6%
88.9%	1,040	1,074	35	3.3%
90.1%	1,039	1,039	0	0.0%
91.4%	1,023	1,023	0	0.0%
92.6%	988	1,015	27	2.7%
93.8%	950	962	13	1.3%
95.1%	945	907	-37	-4.0%
96.3%	921	888	-32	-3.5%
97.5%	850	850	0	0.0%
98.8%	761	780	19	2.5%
100.0%	641	771	130	20.2%

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

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,013	1,916	-97	-4.8%	
1.2%	1,994	1,895	-1	-0.1%	
2.5%	1,797	1,794	-3	-0.2%	
3.7%	1,434	1,435	1	0.1%	
4.9%	1,406	1,399	-8	-0.6%	
6.2%	1,405	1,378	-27	-1.9%	
7.4%	1,403	1,343	-60	-4.3%	
8.6%	1,185	1,270	85	7.2%	
9.9%	1,162	1,138	-23	-2.0%	
11.1%	1,151	1,095	-56	-4.8%	
12.3%	1,116	1,072	-44	-4.0%	
13.6%	1,098	1,057	-41	-3.8%	
14.8%	1,073	1,042	-31	-2.9%	
16.0%	1,055	1,003	-53	-5.0%	
17.3%	1,028	988	-40	-3.9%	
18.5%	1,010	987	-24	-2.4%	
19.8%	1,009	928	-81	-8.0%	
21.0%	967	881	-86	-8.9%	
22.2%	964	880	-84	-8.7%	
23.5%	959	860	-99	-10.3%	
24.7%	913	859	-54	-5.9%	
25.9%	900	858	-42	-4.7%	
27.2%	895	857	-38	-4.2%	
28.4%	874	850	-24	-2.7%	
29.6%	863	846	-17	-2.0%	
30.9%	861	820	-41	-4.7%	
32.1%	849	809	-41	-4.8%	
33.3%	845	790	-55	-6.5%	
34.6%	824	788	-36	-4.3%	
35.8%	821	778	-43	-5.2%	
37.0%	819	775	-44	-5.3%	
38.3%	817	765	-51	-6.3%	
39.5%	811	765	-46	-5.7%	
40.7%	787	762	-25	-3.2%	
42.0%	780	750	-30	-3.9%	
43.2%	775	726	-49	-6.3%	
44.4%	735	716	-19	-2.5%	
45.7%	735	709	-26	-3.6%	
46.9%	726	706	-20	-2.7%	
48.1%	724	704	-20	-2.7%	
49.4%	720	701	-19	-2.6%	
50.6%	716	658	-58	-8.0%	
51.9%	715	648	-67	-9.4%	
53.1%	568	644	-55	-7.8%	
54.3%	685	640	-45	-6.6%	
55.6%	669	635	-34	-5.1%	
56.8%	668	628	-40	-6.0%	
58.0%	653	620	-33	-5.0%	
59.3%	647	603	-44	-6.8%	
60.5%	643	584	-59	-9.2%	
61.7%	638	579	-60	-9.4%	
63.0%	624	576	-48	-7.7%	
64.2%	617	561	-56	-9.0%	
65.4%	610	551	-59	-9.7%	
66.7%	605	520	-86	-14.1%	
67.9%	605	509	-95	-15.8%	
69.1%	549	506	-42	-7.7%	
70.4%	538	498	-40	-7.4%	
71.6%	534	484	-50	-9.3%	
72.8%	518	481	-4	-0.7%	
74.1%	498	480	-19	-3.7%	
75.3%	497	478	-20	-3.9%	
76.5%	496	463	-23	-4.8%	
77.8%	483	458	-26	-5.3%	
79.0%	471	447	-24	-5.0%	
80.2%	469	442	-27	-5.7%	
81.5%	458	429	-29	-6.4%	
82.7%	455	413	-43	-9.4%	
84.0%	446	409	-37	-8.3%	
85.2%	411	396	-15	-3.6%	
86.4%	410	387	-23	-5.6%	
87.7%	400	367	-33	-8.2%	
88.9%	394	364	-30	-7.6%	
90.1%	380	363	-17	-4.5%	
91.4%	372	356	-16	-4.3%	
92.6%	366	323	-43	-11.8%	
93.8%	342	298	-44	-12.8%	
95.1%	311	296	-15	-4.8%	
96.3%	282	289	7	2.7%	
97.5%	280	266	-14	-5.0%	
98.8%	231	194	-37	-15.9%	
100.0%	224	161	-63	-28.0%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,862	1,766	-97	-5.2%	
1.2%	1,716	1,720	4	0.2%	
2.5%	1,538	1,533	-5	-0.3%	
3.7%	960	1,293	333	34.7%	
4.9%	1,094	1,103	9	0.8%	
6.2%	1,067	1,070	3	0.2%	
7.4%	1,024	1,057	32	3.2%	
8.6%	1,015	1,036	21	2.0%	
9.9%	950	973	23	2.4%	
11.1%	947	929	-18	-1.9%	
12.3%	940	901	-38	-4.1%	
13.6%	928	863	-64	-6.9%	
14.8%	892	863	-29	-3.2%	
16.0%	709	887	178	25.1%	
17.3%	865	838	-28	-3.2%	
18.5%	864	790	-74	-8.6%	
19.8%	852	778	-75	-8.8%	
21.0%	810	759	-51	-6.3%	
22.2%	803	756	-47	-5.9%	
23.5%	796	745	-51	-6.4%	
24.7%	788	740	-48	-6.0%	
25.9%	782	730	-52	-6.7%	
27.2%	762	728	-34	-4.4%	
28.4%	751	724	-27	-3.6%	
29.6%	743	718	-25	-3.4%	
30.9%	742	717	-25	-3.4%	
32.1%	738	703	-36	-4.8%	
33.3%	736	696	-40	-5.4%	
34.6%	683	658	-25	-3.6%	
35.8%	680	645	-35	-5.1%	
37.0%	675	643	-33	-4.9%	
38.3%	669	626	-43	-6.4%	
39.5%	665	600	-65	-9.8%	
40.7%	663	597	-66	-9.9%	
42.0%	620	596	-25	-4.0%	
43.2%	620	587	-34	-5.4%	
44.4%	612	582	-30	-4.8%	
45.7%	610	566	-44	-7.3%	
46.9%	602	562	-40	-6.6%	
48.1%	599	559	-40	-6.7%	
49.4%	591	545	-44	-7.4%	
50.6%	582	537	-45	-7.7%	
51.9%	581	529	-52	-8.9%	
53.1%	568	520	-48	-8.4%	
54.3%	547	512	-34	-6.3%	
55.6%	526	492	-33	-6.3%	
56.8%	524	483	-41	-7.9%	
58.0%	524	480	-44	-8.3%	
59.3%	504	466	-38	-7.5%	
60.5%	492	456	-36	-7.3%	
61.7%	491	449	-42	-8.5%	
63.0%	490	443	-47	-9.5%	
64.2%	489	439	-50	-10.2%	
65.4%	486	437	-49	-10.0%	
66.7%	480	432	-48	-10.0%	
67.9%	487	426	-42	-8.9%	
69.1%	464	425	-38	-8.2%	
70.4%	461	424	-38	-8.2%	
71.6%	445	421	-23	-5.3%	
72.8%	414	418	4	1.0%	
74.1%	411	406	-6	-1.4%	
75.3%	404	403	-1	-0.2%	
76.5%	400	384	-16	-4.1%	
77.8%	394	366	-28	-7.0%	
79.0%	386	356	-30	-7.7%	
80.2%	385	346	-39	-10.1%	
81.5%	371	341	-30	-8.2%	
82.7%	365	322	-42	-11.5%	
84.0%	345	317	-28	-8.2%	
85.2%	329	309	-20	-6.1%	
86.4%	321	308	-13	-4.2%	
87.7%	321	300	-21	-6.7%	
88.9%	318	299	-19	-6.0%	
90.1%	312	295	-17	-5.4%	
91.4%	305	291	-14	-4.5%	
92.6%	289	263	-26	-8.8%	
93.8%	288	246	-43	-14.8%	
95.1%	288	241	-47	-16.3%	
96.3%	221	228	7	3.1%	
97.5%	212	197	-16	-7.5%	
98.8%	208	186	-22	-10.7%	
100.0%	180	181	1	0.5%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,562	1,563	-99	-5.9%	
1.2%	1,443	1,438	-5	-0.3%	
2.5%	1,292	1,285	-7	-0.5%	
3.7%	960	968	8	0.8%	
4.9%	946	920	-27	-2.8%	
6.2%	888	862	-26	-2.9%	
7.4%	885	858	-27	-3.0%	
8.6%	860	836	-24	-2.8%	
9.9%	837	815	-22	-2.6%	
11.1%	823	808	-15	-1.8%	
12.3%	818	794	-24	-2.9%	
13.6%	737	706	-31	-4.2%	
14.8%	724	704	-20	-2.7%	
16.0%	709	696	-13	-1.8%	
17.3%	701	680	-21	-3.0%	
18.5%	681	668	-13	-1.9%	
19.8%	676	644	-32	-4.8%	
21.0%	664	633	-31	-4.7%	
22.2%	644	608	-36	-5.6%	
23.5%	632	602	-31	-4.8%	
24.7%	623	591	-32	-5.1%	
25.9%	612	589	-24	-3.9%	
27.2%	609	587	-22	-3.6%	
28.4%	587	566	-21	-3.6%	
29.6%	586	566	-20	-3.4%	
30.9%	581	560	-21	-3.6%	
32.1%	571	546	-25	-4.4%	
33.3%	563	541	-22	-4.0%	
34.6%	555	536	-18	-3.3%	
35.8%	541	526	-15	-2.7%	
37.0%	540	519	-21	-3.9%	
38.3%	537	496	-41	-7.7%	
39.5%	510	494	-16	-3.2%	
40.7%	507	487	-20	-3.9%	
42.0%	492	477	-15	-3.0%	
43.2%	492	464	-28	-5.7%	
44.4%	487	476	-11	-2.2%	
45.7%	480	465	-15	-3.2%	
46.9%	468	463	-5	-1.1%	
48.1%	468	460	-7	-1.6%	
49.4%	462	448	-14	-3.1%	
50.6%	453	436	-17	-3.8%	
51.9%	445	421	-24	-5.4%	
53.1%	434	419	-14	-3.3%	
54.3%	419	417	-2	-0.4%	
55.6%	416	409	-6	-1.5%	
56.8%	390	409	19	4.9%	
58.0%	369	400	31	8.4%	
59.3%	355	398	42	11.8%	
60.5%	352	393	41	11.7%	
61.7%	352	390	38	10.9%	
63.0%	342	380	38	11.1%	
64.2%	339	349	10	3.0%	
65.4%	328	340	12	3.6%	
66.7%	319	327	7	2.2%	
67.9%	312	322	10	3.1%	
69.1%	307	321	14	4.6%	
70.4%	305	317	12	3.9%	
71.6%	295	315	20	6.7%	
72.8%	291	314	23	8.1%	
74.1%	289	305	16	5.5%	
75.3%	289	304	15	5.2%	
76.5%	284	294	11	3.8%	
77.8%	273	276	3	1.2%	
79.0%	269	274	5	1.9%	
80.2%	266	266	0	-0.1%	
81.5%	260	263	3	1.1%	
82.7%	254	256	2	0.8%	
84.0%	244	241	-3	-1.1%	
85.2%	241	230	-11	-4.6%	
86.4%	238	227	-11	-4.7%	
87.7%	237	224	-13	-5.5%	
88.9%	230	211	-19	-8.3%	
90.1%	211	210	-1	-0.4%	
91.4%	167	159	-8	-4.8%	
92.6%	134	196	63	46.9%	
93.8%	130				

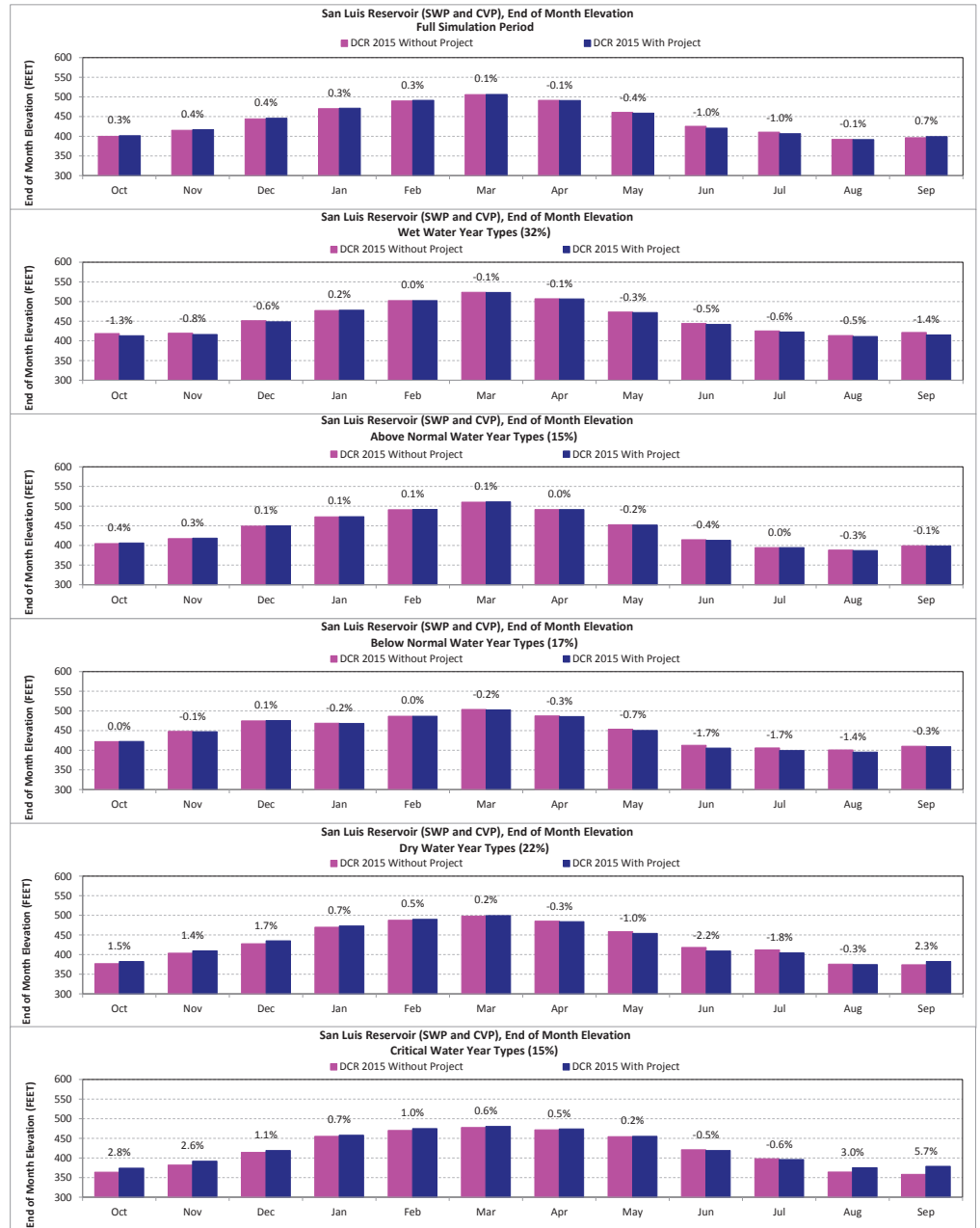
Table SW-42-a  
San Luis Reservoir (SWP and CVP), End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	400	415	444	470	490	506	491	461	425	411	392	397
DCR 2015 With Project	401	417	446	472	491	506	491	459	421	407	392	399
Difference	1	2	2	1	1	0	0	-2	-4	-4	0	3
Percent Difference <sup>2</sup>	0.3%	0.4%	0.4%	0.3%	0.3%	0.1%	-0.1%	-0.4%	-1.0%	-1.0%	-0.1%	0.7%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	419	420	451	477	502	524	507	473	444	425	413	421
DCR 2015 With Project	413	416	449	478	502	523	507	472	442	423	411	415
Difference	-6	-4	2	1	0	1	0	1	2	2	2	6
Percent Difference	-1.3%	-0.8%	0.6%	0.2%	0.0%	0.1%	0.0%	0.2%	0.5%	0.5%	0.5%	1.4%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	405	417	449	473	491	510	491	453	413	394	388	399
DCR 2015 With Project	406	418	450	473	491	511	491	452	413	394	387	399
Difference	1	1	1	0	0	1	0	-1	0	0	-1	0
Percent Difference	0.4%	0.3%	0.1%	0.1%	0.1%	0.1%	0.0%	-0.2%	0.0%	0.0%	-0.3%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	422	448	475	469	487	504	487	454	413	406	401	410
DCR 2015 With Project	422	447	475	468	487	503	486	451	406	399	395	409
Difference	0	1	0	1	0	1	1	3	7	7	6	1
Percent Difference	0.0%	0.2%	0.0%	0.2%	0.0%	0.2%	0.2%	0.7%	1.7%	1.7%	1.5%	0.2%
<b>Dry (22%)</b>												
DCR 2015 Without Project	377	404	428	470	487	498	485	458	418	412	376	374
DCR 2015 With Project	382	410	435	473	490	499	484	454	409	405	374	382
Difference	5	6	7	3	3	1	-1	-4	-9	-7	-1	8
Percent Difference	1.5%	1.4%	1.7%	0.7%	0.5%	0.2%	-0.3%	-1.0%	-2.2%	-1.8%	-0.3%	2.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	364	382	414	455	470	477	472	454	421	398	364	358
DCR 2015 With Project	374	392	419	458	475	480	474	455	419	396	375	379
Difference	10	10	5	3	5	3	2	1	-2	-2	11	20
Percent Difference	2.8%	2.6%	1.1%	0.7%	1.0%	0.6%	0.5%	0.2%	-0.5%	-0.6%	3.0%	5.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

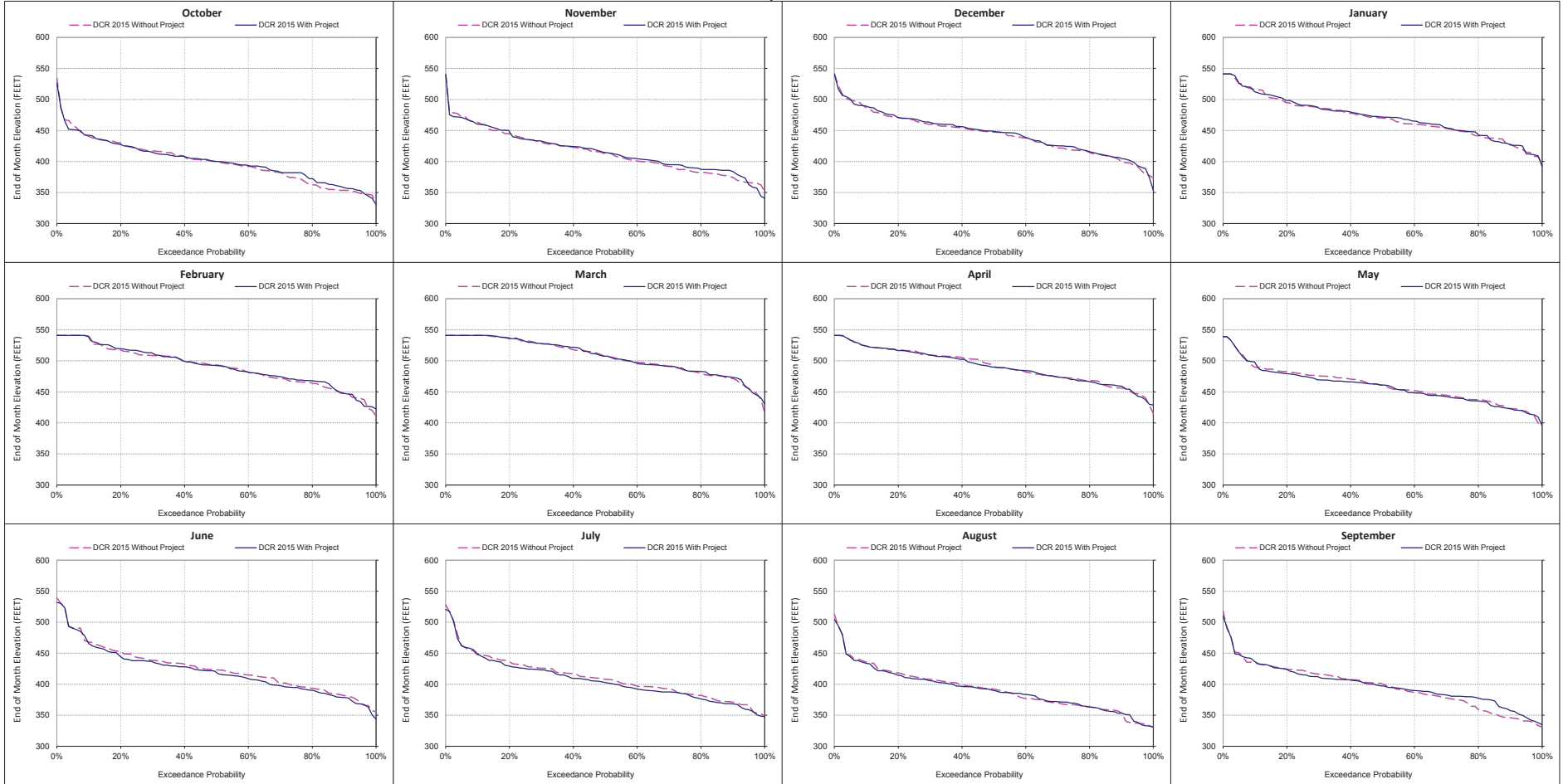


Table SW-42-b  
San Luis Reservoir (SWP and CVP), End of Month Elevation  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	534	526	-8	-1.5%	
1.2%	486	487	1	0.2%	
2.5%	467	465	-2	-0.5%	
3.7%	466	452	-14	-3.0%	
4.9%	459	451	-7	-1.6%	
6.2%	454	451	-4	-0.8%	
7.4%	448	450	2	0.4%	
8.6%	444	443	-1	-0.2%	
9.9%	441	442	2	0.4%	
11.1%	438	441	3	0.8%	
12.3%	436	435	-1	-0.2%	
13.6%	435	436	1	0.2%	
14.8%	434	435	1	0.2%	
16.0%	434	433	-1	-0.2%	
17.3%	433	430	-3	-0.7%	
18.5%	431	429	-2	-0.5%	
19.8%	430	428	-2	-0.5%	
21.0%	426	425	-1	-0.3%	
22.2%	424	425	0	0.1%	
23.5%	423	424	1	0.2%	
24.7%	421	422	0	0.1%	
25.9%	420	418	-2	-0.5%	
27.2%	419	417	-2	-0.6%	
28.4%	418	416	-2	-0.3%	
29.6%	417	415	-2	-0.5%	
30.9%	417	413	-3	-0.8%	
32.1%	416	412	-4	-1.0%	
33.3%	416	411	-4	-1.0%	
34.6%	414	411	-3	-0.7%	
35.8%	414	410	-4	-1.0%	
37.0%	411	409	-2	-0.4%	
38.3%	410	409	-1	-0.3%	
39.5%	409	408	-1	-0.2%	
40.7%	405	407	2	0.5%	
42.0%	404	405	2	0.4%	
43.2%	403	405	2	0.4%	
44.4%	403	404	1	0.3%	
45.7%	402	404	2	0.4%	
46.9%	402	403	1	0.4%	
48.1%	401	401	0	-0.1%	
49.4%	400	400	0	0.0%	
50.6%	399	400	1	0.1%	
51.9%	398	400	2	0.5%	
53.1%	397	399	2	0.5%	
54.3%	397	398	1	0.3%	
55.6%	395	397	2	0.4%	
56.8%	394	395	1	0.3%	
58.0%	393	394	2	0.4%	
59.3%	392	394	2	0.5%	
60.5%	392	393	1	0.2%	
61.7%	391	393	2	0.5%	
63.0%	389	393	4	1.0%	
64.2%	388	391	6	1.4%	
65.4%	386	391	5	1.4%	
66.7%	385	387	2	0.5%	
67.9%	384	385	1	0.3%	
69.1%	383	384	2	0.5%	
70.4%	382	382	0	0.0%	
71.6%	378	382	5	1.2%	
72.8%	374	382	8	2.0%	
74.1%	374	382	8	2.0%	
75.3%	373	382	9	2.4%	
76.5%	371	382	10	2.8%	
77.8%	367	378	11	2.9%	
79.0%	363	373	10	2.6%	
80.2%	363	372	9	2.6%	
81.5%	362	366	5	1.3%	
82.7%	357	366	9	2.4%	
84.0%	357	366	9	2.4%	
85.2%	355	363	8	2.3%	
86.4%	355	363	8	2.2%	
87.7%	354	361	7	1.9%	
88.9%	354	360	6	1.7%	
90.1%	354	358	4	1.2%	
91.4%	353	356	3	0.9%	
92.6%	352	356	4	1.1%	
93.8%	351	354	3	0.9%	
95.1%	349	353	5	1.3%	
96.3%	348	348	0	0.0%	
97.5%	347	344	-3	-0.8%	
98.8%	346	340	-6	-1.6%	
100.0%	331	331	0	0.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	541	540	-1	-0.2%	
1.2%	479	475	-4	-0.8%	
2.5%	478	472	-6	-1.3%	
3.7%	477	472	-6	-1.2%	
4.9%	472	471	-1	-0.2%	
6.2%	472	469	-3	-0.6%	
7.4%	466	466	0	0.1%	
8.6%	464	464	0	0.0%	
9.9%	464	460	-4	-0.8%	
11.1%	460	460	-1	-0.1%	
12.3%	459	459	0	0.0%	
13.6%	452	457	5	1.2%	
14.8%	450	455	5	1.0%	
16.0%	450	453	3	0.6%	
17.3%	449	451	2	0.4%	
18.5%	445	450	5	1.2%	
19.8%	445	450	5	1.1%	
21.0%	444	440	-4	-0.8%	
22.2%	441	439	-2	-0.4%	
23.5%	439	437	-2	-0.6%	
24.7%	437	436	-1	-0.3%	
25.9%	435	436	1	0.2%	
27.2%	435	434	0	-0.1%	
28.4%	433	433	0	0.1%	
29.6%	432	433	1	0.3%	
30.9%	430	432	2	0.5%	
32.1%	428	430	2	0.4%	
33.3%	428	429	1	0.2%	
34.6%	428	428	0	0.1%	
35.8%	426	426	0	0.0%	
37.0%	425	425	0	0.0%	
38.3%	425	425	0	0.1%	
39.5%	423	424	1	0.2%	
40.7%	422	424	2	0.4%	
42.0%	421	424	2	0.5%	
43.2%	420	422	2	0.3%	
44.4%	420	421	1	0.3%	
45.7%	416	421	4	1.1%	
46.9%	416	419	3	0.7%	
48.1%	416	417	1	0.3%	
49.4%	413	415	2	0.4%	
50.6%	413	414	1	0.2%	
51.9%	413	400	0	0.0%	
53.1%	409	412	3	0.8%	
54.3%	407	411	3	0.9%	
55.6%	406	408	2	0.6%	
56.8%	404	406	2	0.5%	
58.0%	403	406	3	0.7%	
59.3%	402	405	3	0.8%	
60.5%	400	404	4	0.9%	
61.7%	400	403	4	0.9%	
63.0%	400	403	3	0.8%	
64.2%	399	402	3	0.7%	
65.4%	398	401	3	0.7%	
66.7%	397	400	3	0.7%	
67.9%	394	397	2	0.6%	
69.1%	393	395	2	0.5%	
70.4%	392	395	3	0.7%	
71.6%	391	395	4	0.9%	
72.8%	387	395	8	2.0%	
74.1%	387	394	7	1.8%	
75.3%	387	391	4	1.0%	
76.5%	385	390	5	1.2%	
77.8%	383	390	6	1.7%	
79.0%	383	389	7	1.7%	
80.2%	382	387	5	1.3%	
81.5%	382	387	5	1.2%	
82.7%	381	387	6	1.6%	
84.0%	381	387	6	1.7%	
85.2%	380	387	7	1.8%	
86.4%	378	386	8	2.1%	
87.7%	377	386	9	2.3%	
88.9%	376	386	10	2.5%	
90.1%	374	384	10	2.5%	
91.4%	370	394	9	2.5%	
92.6%	368	379	8	2.1%	
93.8%	367	373	7	1.8%	
95.1%	366	363	-3	-0.9%	
96.3%	365	358	-7	-1.9%	
97.5%	364	357	-8	-2.1%	
98.8%	362	344	-18	-5.0%	
100.0%	351	340	-11	-3.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	541	541	0	0.0%	
1.2%	516	516	-6	-1.2%	
2.5%	509	507	-2	-0.4%	
3.7%	501	502	3	0.7%	
4.9%	499	501	2	0.4%	
6.2%	498	493	-5	-0.9%	
7.4%	498	491	-7	-1.4%	
8.6%	491	490	-1	-0.2%	
9.9%	487	490	2	0.5%	
11.1%	484	487	3	0.6%	
12.3%	480	486	7	1.4%	
13.6%	479	482	3	0.5%	
14.8%	476	480	4	0.8%	
16.0%	474	477	3	0.6%	
17.3%	473	476	3	0.6%	
18.5%	472	475	3	0.7%	
19.8%	471	471	0	0.0%	
21.0%	470	470	0	0.1%	
22.2%	470	470	0	0.0%	
23.5%	468	469	1	0.2%	
24.7%	467	469	1	0.3%	
25.9%	464	468	1	0.2%	
27.2%	463	465	2	0.5%	
28.4%	462	464	2	0.5%	
29.6%	460	464	3	0.8%	
30.9%	460	462	1	0.3%	
32.1%	458	461	2	0.5%	
33.3%	457	460	3	0.7%	
34.6%	457	460	3	0.7%	
35.8%	457	460	3	0.6%	
37.0%	456	459	4	0.8%	
38.3%	455	456	1	0.3%	
39.5%	455	456	2	0.3%	
40.7%	454	455	2	0.3%	
42.0%	452	454	2	0.4%	
43.2%	452	451	-1	-0.2%	
44.4%	450	452	1	0.3%	
45.7%	450	451	1	0.3%	
46.9%	449	450	1	0.3%	
48.1%	448	449	1	0.3%	
49.4%	448	449	1	0.3%	
50.6%	447	448	1	0.1%	
51.9%	447	448	1	0.2%	
53.1%	447	447	0	0.0%	
54.3%	442	447	5	1.1%	
55.6%	442	446	5	1.1%	
56.8%	440	446	6	1.4%	
58.0%	439	444	4	1.0%	
59.3%	438	440	2	0.5%	
60.5%	438	438	0	0.1%	
61.7%	437	435	-1	-0.3%	
63.0%	432	434	2	0.4%	
64.2%	431	433	2	0.5%	
65.4%	431	430	-1	-0.2%	
66.7%	427	426	0	-0.1%	
67.9%	426	426	0	0.0%	
69.1%	422	426	4	0.9%	
70.4%	422	425	3	0.9%	
71.6%	422	425	3	0.8%	
72.8%	420	424	5	1.1%	
74.1%	419	424	6	1.3%	
75.3%	419	424	5	1.2%	
76.5%	418	420	2	0.5%	
77.8%	418	419	1	0.3%	
79.0%	417	417	0	0.1%	
80.2%	414	415	1	0.4%	
81.5%	412	414	2	0.5%	
82.7%	412	413	0	0.1%	
84.0%	412	411	-1	-0.3%	
85.2%	409	410	1	0.2%	
86.4%	407	408	1	0.3%	
87.7%	407	407	0	0.0%	
88.9%	404	407	3	0.6%	
90.1%	406	405	-1	-0.4%	
91.4%	404	404	6	1.5%	
92.6%	398	402	4	1.0%	
93.8%	394	399	5	1.2%	
95.1%	392	393	1	0.4%	
96.3%	385	391	5	1.4%	
97.5%	389	389	10	2.7%	
98.8%	378	374	-4	-1.0%	
100.0%	373	353	-20	-5.4%	

||
||
||



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

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	539	540	1	0.2%
11.1%	527	531	4	0.8%
12.3%	527	530	3	0.6%
13.6%	526	526	0	0.0%
14.8%	522	526	4	0.7%
16.0%	519	526	7	1.3%
17.3%	518	523	5	0.9%
18.5%	518	520	2	0.4%
19.8%	517	519	2	0.4%
21.0%	515	519	3	0.7%
22.2%	515	518	3	0.5%
23.5%	514	517	3	0.6%
24.7%	512	517	5	0.9%
25.9%	510	516	6	1.2%
27.2%	509	514	5	0.9%
28.4%	509	513	4	0.8%
29.6%	509	513	5	0.9%
30.9%	508	509	1	0.2%
32.1%	508	509	1	0.1%
33.3%	508	507	-1	-0.2%
34.6%	508	507	-1	-0.2%
35.8%	507	506	-1	-0.2%
37.0%	507	506	-1	-0.2%
38.3%	503	504	1	0.1%
39.5%	500	500	0	-0.1%
40.7%	499	498	-1	-0.2%
42.0%	498	498	0	-0.1%
43.2%	497	496	-1	-0.2%
44.4%	497	495	-2	-0.4%
45.7%	496	493	-3	-0.6%
46.9%	495	493	-2	-0.4%
48.1%	494	493	0	-0.1%
49.4%	493	493	0	-0.2%
50.6%	493	492	-1	-0.2%
51.9%	491	492	1	0.2%
53.1%	490	491	1	0.1%
54.3%	489	487	-2	-0.3%
55.6%	488	487	-1	-0.3%
56.8%	488	484	-3	-0.7%
58.0%	486	483	-3	-0.6%
59.3%	483	483	0	0.0%
60.5%	481	481	0	0.0%
61.7%	481	481	0	0.0%
63.0%	480	480	0	0.1%
64.2%	478	478	0	-0.1%
65.4%	474	478	3	0.7%
66.7%	474	476	2	0.5%
67.9%	473	476	3	0.7%
69.1%	472	475	3	0.6%
70.4%	472	474	2	0.5%
71.6%	471	473	2	0.4%
72.8%	467	471	3	0.7%
74.1%	467	471	4	0.8%
75.3%	466	469	3	0.6%
76.5%	466	469	3	0.7%
77.8%	466	468	3	0.6%
79.0%	465	468	3	0.6%
80.2%	464	468	4	0.9%
81.5%	463	467	4	0.8%
82.7%	460	466	6	1.4%
84.0%	458	466	9	1.9%
85.2%	456	463	7	1.5%
86.4%	454	457	3	0.6%
87.7%	453	451	-1	-0.3%
88.9%	448	449	2	0.4%
90.1%	447	447	0	0.0%
91.4%	447	446	-1	-0.2%
92.6%	441	446	5	1.1%
93.8%	440	436	-4	-0.9%
95.1%	440	435	-5	-1.2%
96.3%	437	427	-10	-2.4%
97.5%	427	427	3	0.7%
98.8%	420	426	6	1.3%
100.0%	411	423	12	2.9%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	540	541	1	0.2%
14.8%	539	540	1	0.1%
16.0%	538	540	1	0.2%
17.3%	538	538	0	-0.1%
18.5%	537	538	0	0.1%
19.8%	537	536	-1	-0.2%
21.0%	537	536	-1	-0.2%
22.2%	537	536	-1	-0.2%
23.5%	532	535	2	0.4%
24.7%	532	532	0	0.0%
25.9%	532	530	-2	-0.3%
27.2%	531	530	-1	-0.3%
28.4%	528	528	0	0.1%
29.6%	528	528	1	0.1%
30.9%	527	527	0	0.0%
32.1%	527	527	0	0.0%
33.3%	527	526	-1	-0.1%
34.6%	524	526	2	0.3%
35.8%	522	524	2	0.5%
37.0%	521	522	2	0.4%
38.3%	521	523	2	0.3%
39.5%	518	522	3	0.6%
40.7%	517	522	5	0.9%
42.0%	517	520	3	0.6%
43.2%	517	515	-1	-0.2%
44.4%	515	515	0	0.1%
45.7%	515	512	-3	-0.6%
46.9%	513	511	-2	-0.4%
48.1%	511	509	-2	-0.4%
49.4%	508	508	-1	-0.1%
50.6%	507	507	0	0.1%
51.9%	506	506	0	-0.1%
53.1%	505	503	-2	-0.4%
54.3%	503	503	0	0.0%
55.6%	501	502	1	0.2%
56.8%	500	501	1	0.2%
58.0%	499	499	0	0.0%
59.3%	498	497	-1	-0.2%
60.5%	497	495	-2	-0.4%
61.7%	497	495	-2	-0.5%
63.0%	496	494	-2	-0.5%
64.2%	495	494	-2	-0.3%
65.4%	495	494	-1	-0.3%
66.7%	494	493	-1	-0.2%
67.9%	493	492	-1	-0.3%
69.1%	492	491	0	-0.1%
70.4%	491	491	0	-0.1%
71.6%	491	491	-1	-0.1%
72.8%	489	489	-1	-0.1%
74.1%	486	488	2	0.4%
75.3%	484	485	0	0.0%
76.5%	484	483	0	-0.1%
77.8%	483	483	0	0.0%
79.0%	481	483	2	0.5%
80.2%	479	483	4	0.7%
81.5%	477	482	5	1.0%
82.7%	477	478	1	0.2%
84.0%	476	478	1	0.5%
85.2%	476	477	1	0.2%
86.4%	476	475	-1	-0.1%
87.7%	473	475	1	0.3%
88.9%	472	474	2	0.5%
90.1%	471	473	2	0.5%
91.4%	468	472	4	0.9%
92.6%	462	469	7	1.6%
93.8%	460	458	-2	-0.3%
95.1%	454	455	1	0.2%
96.3%	452	448	-4	-0.8%
97.5%	447	445	-2	-0.5%
98.8%	438	440	2	0.5%
100.0%	416	431	14	3.5%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	540	541	1	0.2%
3.7%	538	538	0	0.0%
4.9%	534	534	0	0.0%
6.2%	531	530	-1	-0.2%
7.4%	528	529	2	0.3%
8.6%	526	525	0	0.0%
9.9%	524	524	0	-0.1%
11.1%	522	522	0	0.0%
12.3%	522	522	0	0.0%
13.6%	521	521	1	0.1%
14.8%	521	520	0	0.0%
16.0%	519	520	1	0.2%
17.3%	518	519	1	0.1%
18.5%	518	519	1	0.1%
19.8%	518	517	-1	-0.2%
21.0%	517	517	-1	-0.2%
22.2%	517	516	-1	-0.1%
23.5%	516	515	-1	-0.3%
24.7%	516	514	-2	-0.4%
25.9%	515	513	-2	-0.4%
27.2%	511	513	2	0.4%
28.4%	510	511	1	0.3%
29.6%	510	509	-1	-0.1%
30.9%	509	509	0	0.0%
32.1%	509	507	-2	-0.3%
33.3%	508	507	-1	-0.1%
34.6%	507	507	-1	-0.2%
35.8%	506	506	-2	-0.3%
37.0%	507	505	-2	-0.4%
38.3%	506	504	-2	-0.5%
39.5%	506	502	-4	-0.7%
40.7%	504	502	-2	-0.4%
42.0%	503	505	2	0.4%
43.2%	503	497	-6	-1.1%
44.4%	503	495	-7	-1.4%
45.7%	502	493	-8	-1.6%
46.9%	497	493	-4	-0.8%
48.1%	495	492	-4	-0.7%
49.4%	494	490	-4	-0.9%
50.6%	490	489	0	0.0%
51.9%	489	489	1	0.1%
53.1%	488	489	1	0.1%
54.3%	488	488	1	0.1%
55.6%	486	486	0	0.0%
56.8%	485	486	0	0.1%
58.0%	484	485	1	0.2%
59.3%	483	484	1	0.2%
60.5%	481	484	3	0.5%
61.7%	480	484	3	0.7%
63.0%	479	481	3	0.6%
64.2%	478	479	1	0.2%
65.4%	477	478	1	0.2%
66.7%	476	476	0	0.0%
67.9%	476	476	0	-0.1%
69.1%	474	475	0	0.1%
70.4%	473	474	0	0.1%
71.6%	473	473	0	0.0%
72.8%	473	473	0	0.0%
74.1%	472	470	-2	-0.5%
75.3%	471	470	-1	-0.3%
76.5%	470	468	-2	-0.5%
77.8%	469	468	-1	-0.2%
79.0%	468	467	-1	-0.2%
80.2%	468	466	-2	-0.4%
81.5%	468	465	-3	-0.6%
82.7%	467	463	-4	-0.9%
84.0%	462	462	0	0.0%
85.2%	460	462	2	0.4%
86.4%	458	462	4	0.8%
87.7%	457	461	4	0.8%
88.9%	456	460	3	0.7%
90.1%	456	459	3	0.7%
91.4%	455	455	0	-0.1%
92.6%	451	454	3	0.6%
93.8%	447	449	1	0.3%
95.1%	447	443	-4	-0.8%
96.3%	444	441	-3	-0.7%
97.5%	441	437	-3	-0.8%
98.8%	428	430	2	0.5%
100.0%	415	429	14	3.5%

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	539	539	0	0.0%
1.2%	539	539	0	0.0%
2.5%	533	533	0	0.0%
3.7%	523	524	0	0.0%
4.9%	514	515	0	0.1%
6.2%	509	507	-2	-0.5%
7.4%	501	500	0	-0.1%
8.6%	494	499	5	1.0%
9.9%	490	498	8	1.7%
11.1%	490	487	-2	-0.5%
12.3%	489	485	-4	-0.8%
13.6%	487	484	-2	-0.5%
14.8%	486	483	-4	-0.8%
16.0%	486	482	-4	-0.9%
17.3%	484	481	-3	-0.5%
18.5%	483	480	-3	-0.5%
19.8%	483	479	-3	-0.7%
21.0%	482	479	-3	-0.6%
22.2%	478	478	-3	-0.7%
23.5%	480	477	-3	-0.7%
24.7%	480	477		

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

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	539	532	-7	-1.3%	
1.2%	530	530	0	0.0%	
2.5%	523	523	0	-0.1%	
3.7%	493	493	0	0.0%	
4.9%	491	490	-1	-0.1%	
6.2%	491	488	-2	-0.5%	
7.4%	490	495	5	-1.1%	
8.6%	470	478	8	-1.7%	
9.9%	468	466	-2	-0.5%	
11.1%	467	462	-5	-1.2%	
12.3%	464	460	-4	-0.9%	
13.6%	462	458	-4	-0.9%	
14.8%	460	457	-3	-0.7%	
16.0%	458	453	-5	-1.1%	
17.3%	455	451	-4	-0.9%	
18.5%	453	451	-2	-0.5%	
19.8%	453	445	-8	-1.8%	
21.0%	449	440	-9	-1.9%	
22.2%	449	440	-9	-1.9%	
23.5%	448	438	-10	-2.3%	
24.7%	444	438	-6	-1.2%	
25.9%	442	438	-4	-1.0%	
27.2%	442	438	-4	-0.9%	
28.4%	440	437	-2	-0.6%	
29.6%	439	437	-2	-0.4%	
30.9%	438	434	-4	-1.0%	
32.1%	437	433	-4	-1.0%	
33.3%	437	431	-6	-1.3%	
34.6%	434	431	-4	-0.9%	
35.8%	434	430	-4	-1.0%	
37.0%	434	429	-5	-1.1%	
38.3%	434	428	-5	-1.3%	
39.5%	433	428	-5	-1.1%	
40.7%	431	428	-3	-0.6%	
42.0%	430	427	-3	-0.6%	
43.2%	429	424	-5	-1.2%	
44.4%	425	423	-2	-0.5%	
45.7%	425	422	-3	-1.3%	
46.9%	424	422	-2	-0.5%	
48.1%	424	422	-2	-0.5%	
49.4%	423	421	-2	-0.5%	
50.6%	423	416	-7	-1.5%	
51.9%	408	415	7	-1.8%	
53.1%	406	415	9	-1.5%	
54.3%	419	414	-5	-1.2%	
55.6%	418	414	-4	-0.9%	
56.8%	418	413	-5	-1.1%	
58.0%	416	412	-4	-0.9%	
59.3%	415	410	-5	-1.2%	
60.5%	415	408	-7	-1.7%	
61.7%	414	407	-7	-1.7%	
63.0%	413	407	-6	-1.4%	
64.2%	412	405	-7	-1.6%	
65.4%	411	404	-7	-1.7%	
66.7%	410	400	-10	-2.5%	
67.9%	410	399	-11	-2.8%	
69.1%	404	397	-7	-1.3%	
70.4%	402	397	-5	-1.3%	
71.6%	402	395	-6	-1.6%	
72.8%	400	395	-5	-1.2%	
74.1%	397	395	-2	-0.6%	
75.3%	397	395	-2	-0.6%	
76.5%	396	393	-3	-0.8%	
77.8%	395	392	-3	-0.9%	
79.0%	394	391	-3	-0.8%	
80.2%	393	390	-4	-0.9%	
81.5%	392	388	-4	-1.0%	
82.7%	392	386	-6	-1.5%	
84.0%	390	385	-5	-1.3%	
85.2%	386	383	-3	-0.5%	
86.4%	385	382	-3	-0.8%	
87.7%	384	379	-5	-1.2%	
88.9%	383	379	-4	-1.1%	
90.1%	382	379	-3	-0.8%	
91.4%	380	378	-2	-0.6%	
92.6%	379	372	-7	-1.7%	
93.8%	375	369	-6	-1.8%	
95.1%	371	368	-2	-0.6%	
96.3%	366	367	1	0.3%	
97.5%	366	363	-2	-0.6%	
98.8%	357	350	-7	-1.9%	
100.0%	356	344	-12	-3.4%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	528	521	-7	-1.4%	
1.2%	517	517	0	0.1%	
2.5%	502	502	0	-0.1%	
3.7%	481	473	-7	-1.5%	
4.9%	462	463	1	0.2%	
6.2%	459	459	0	0.1%	
7.4%	455	458	3	0.7%	
8.6%	454	456	2	0.5%	
9.9%	447	434	-2	-0.5%	
11.1%	447	445	-2	-0.4%	
12.3%	446	442	-4	-0.9%	
13.6%	445	439	-7	-1.5%	
14.8%	441	439	-3	-0.7%	
16.0%	441	437	-4	-1.0%	
17.3%	439	436	-3	-0.7%	
18.5%	439	431	-8	-1.8%	
19.8%	437	430	-8	-1.8%	
21.0%	433	428	-5	-1.2%	
22.2%	432	427	-5	-1.2%	
23.5%	432	426	-5	-1.3%	
24.7%	431	426	-5	-1.2%	
25.9%	428	424	-3	-0.8%	
27.2%	428	424	-4	-0.9%	
28.4%	427	424	-3	-0.6%	
29.6%	426	423	-3	-0.6%	
30.9%	426	423	-3	-0.6%	
32.1%	425	421	-4	-0.9%	
33.3%	425	421	-4	-1.0%	
34.6%	419	416	-3	-0.7%	
35.8%	419	415	-4	-0.9%	
37.0%	418	415	-3	-0.9%	
38.3%	418	413	-5	-1.2%	
39.5%	417	410	-7	-1.8%	
40.7%	417	409	-8	-1.8%	
42.0%	413	409	-3	-0.8%	
43.2%	408	408	0	-1.0%	
44.4%	411	408	-3	-0.8%	
45.7%	411	406	-5	-1.3%	
46.9%	410	405	-5	-1.2%	
48.1%	410	405	-5	-1.2%	
49.4%	408	403	-5	-1.3%	
50.6%	408	402	-6	-1.3%	
51.9%	408	401	-7	-1.5%	
53.1%	406	400	-6	-1.5%	
54.3%	403	399	-4	-1.1%	
55.6%	401	396	-4	-1.1%	
56.8%	401	395	-5	-1.3%	
58.0%	401	395	-6	-1.4%	
59.3%	398	393	-5	-1.2%	
60.5%	396	392	-4	-1.2%	
61.7%	396	391	-6	-1.4%	
63.0%	396	390	-6	-1.6%	
64.2%	396	389	-7	-1.7%	
65.4%	396	389	-6	-1.6%	
66.7%	395	389	-6	-1.6%	
67.9%	393	388	-6	-1.4%	
69.1%	393	388	-5	-1.3%	
70.4%	392	387	-5	-1.3%	
71.6%	390	387	-3	-0.8%	
72.8%	386	387	1	0.1%	
74.1%	386	385	-1	-0.2%	
75.3%	385	385	0	0.0%	
76.5%	384	382	-2	-0.6%	
77.8%	383	379	-4	-1.1%	
79.0%	382	378	-4	-1.1%	
80.2%	382	376	-6	-1.5%	
81.5%	380	375	-5	-1.2%	
82.7%	379	372	-6	-1.7%	
84.0%	376	372	-4	-1.2%	
85.2%	374	370	-3	-0.9%	
86.4%	372	370	-2	-0.6%	
87.7%	372	369	-3	-0.9%	
88.9%	372	369	-3	-0.8%	
90.1%	371	368	-3	-0.7%	
91.4%	370	367	-2	-0.6%	
92.6%	367	363	-4	-1.2%	
93.8%	367	360	-7	-2.0%	
95.1%	367	359	-8	-2.2%	
96.3%	355	356	1	0.4%	
97.5%	354	351	-3	-0.8%	
98.8%	353	349	-4	-1.2%	
100.0%	347	348	0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	512	504	-8	-1.6%	
1.2%	494	494	0	0.0%	
2.5%	480	480	-1	-0.1%	
3.7%	448	449	1	0.2%	
4.9%	447	444	-3	-0.6%	
6.2%	441	438	-3	-0.8%	
7.4%	441	438	-3	-0.6%	
8.6%	438	436	-3	-0.6%	
9.9%	436	434	-2	-0.5%	
11.1%	434	433	-2	-0.4%	
12.3%	434	427	-7	-1.7%	
13.6%	425	422	-3	-0.8%	
14.8%	424	422	-2	-0.5%	
16.0%	422	421	-1	-0.3%	
17.3%	421	419	-2	-0.6%	
18.5%	419	418	-1	-0.3%	
19.8%	418	415	-4	-0.9%	
21.0%	417	414	-4	-0.9%	
22.2%	415	411	-4	-1.0%	
23.5%	414	410	-4	-0.9%	
24.7%	412	409	-2	-0.6%	
25.9%	411	408	-3	-0.7%	
27.2%	411	408	-3	-0.6%	
28.4%	408	408	0	0.0%	
29.6%	408	406	-2	-0.6%	
30.9%	408	405	-3	-0.6%	
32.1%	406	403	-3	-0.7%	
33.3%	405	403	-2	-0.7%	
34.6%	404	402	-2	-0.6%	
35.8%	403	401	-2	-0.5%	
37.0%	403	400	-3	-0.7%	
38.3%	402	397	-5	-1.3%	
39.5%	399	397	-2	-0.5%	
40.7%	398	396	-3	-0.8%	
42.0%	397	396	-1	-0.2%	
43.2%	395	395	0	-0.3%	
44.4%	396	394	-1	-0.4%	
45.7%	395	393	-2	-0.5%	
46.9%	393	393	-1	-0.2%	
48.1%	393	392	-1	-0.2%	
49.4%	391	391	0	-0.5%	
50.6%	389	389	-2	-0.6%	
51.9%	390	387	-3	-0.8%	
53.1%	389	387	-2	-0.5%	
54.3%	387	386	0	-0.1%	
55.6%	386	385	-1	-0.2%	
56.8%	383	385	3	0.7%	
58.0%	379	385	6	1.5%	
59.3%	377	384	6	1.6%	
60.5%	377	383	6	1.6%	
61.7%	377	383	6	1.5%	
63.0%	375	381	6	1.5%	
64.2%	375	377	2	0.4%	
65.4%	373	375	2	0.5%	
66.7%	372	373	1	0.3%	
67.9%	371	372	2	0.4%	
69.1%	370	372	2	0.6%	
70.4%	370	372	2	0.5%	
71.6%	368	371	3	0.9%	
72.8%	367	371	4	1.0%	
74.1%	367	370	3	0.7%	
75.3%	367	369	2	0.7%	
76.5%	366	368	2	0.5%	
77.8%	364	365	1	0.1%	
79.0%	364	365	1	0.2%	
80.2%	363	363	0	0.0%	
81.5%	362	363	0	0.1%	
82.7%	361	361	0	0.1%	
84.0%	359	359	0	-0.1%	
85.2%	359	357	-2	-0.6%	
86.4%	358	356	-2	-0.6%	
87.7%	358	356	-2	-0.7%	
88.9%	357	353	-3	-1.0%	
90.1%	357	353	0	0.0%	
91.4%	345	351	6	3.1%	
92.6%	338	351	13	3.7%	
93.8%	337	340	3	0.9%	
95.1%	337	339	2	0.5%	
96.3%	336	334	-2	-0.6%	
97.5%	333	333	0	-0.3%	
98.8%	333	333	0	0.1%	
100.0%	331	331	0	0.0%	

|--|--|--|--|--|--|

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

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	7,761	8,459	9,612	10,506	11,143	11,639	11,196	10,205	8,867	8,269	7,388	7,589
DCR 2015 With Project	7,851	8,538	9,666	10,550	11,186	11,655	11,186	10,142	8,683	8,092	7,384	7,772
Difference	90	79	55	44	43	15	-10	-62	-184	-177	-4	183
Percent Difference <sup>2</sup>	1.2%	0.9%	0.6%	0.4%	0.4%	0.1%	-0.1%	-0.6%	-2.1%	-2.1%	-0.1%	2.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,626	8,656	9,878	10,737	11,535	12,182	11,689	10,614	9,575	8,860	8,404	8,763
DCR 2015 With Project	8,392	8,523	9,781	10,760	11,535	12,167	11,668	10,571	9,490	8,747	8,308	8,495
Difference	-234	-133	-98	23	0	-15	-21	-43	-86	-113	-96	-268
Percent Difference	-2.7%	-1.5%	-1.0%	0.2%	0.0%	-0.1%	-0.2%	-0.4%	-0.9%	-1.3%	-1.1%	-3.1%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	8,141	8,626	9,825	10,569	11,171	11,773	11,189	9,933	8,445	7,547	7,318	7,875
DCR 2015 With Project	8,218	8,685	9,854	10,571	11,184	11,791	11,197	9,904	8,383	7,568	7,265	7,874
Difference	77	60	30	2	13	18	8	-29	-62	22	-53	-2
Percent Difference	0.9%	0.7%	0.3%	0.0%	0.1%	0.2%	0.1%	-0.3%	-0.7%	0.3%	-0.7%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	8,829	9,778	10,676	10,473	11,029	11,570	11,063	9,951	8,309	8,042	7,872	8,321
DCR 2015 With Project	8,837	9,751	10,694	10,438	11,030	11,540	11,012	9,847	7,989	7,719	7,605	8,290
Difference	8	-28	18	-34	1	-31	-51	-104	-320	-322	-267	-31
Percent Difference	0.1%	-0.3%	0.2%	-0.3%	0.0%	-0.3%	-0.5%	-1.0%	-3.9%	-4.0%	-3.4%	-0.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,642	8,021	8,985	10,509	11,077	11,416	11,020	10,145	8,643	8,396	6,571	6,465
DCR 2015 With Project	6,968	8,261	9,235	10,619	11,156	11,454	10,985	10,001	8,286	8,072	6,535	6,957
Difference	325	240	250	109	79	38	-35	-145	-357	-324	-36	492
Percent Difference	4.9%	3.0%	2.8%	1.0%	0.7%	0.3%	-0.3%	-1.4%	-4.1%	-3.9%	-0.5%	7.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,936	6,983	8,519	9,975	10,497	10,743	10,554	9,974	8,740	7,785	5,916	5,592
DCR 2015 With Project	6,484	7,423	8,678	10,098	10,660	10,844	10,635	10,007	8,640	7,664	6,514	6,720
Difference	548	439	159	123	164	100	81	34	-100	-121	598	1,128
Percent Difference	9.2%	6.3%	1.9%	1.2%	1.6%	0.9%	0.8%	0.3%	-1.1%	-1.5%	10.1%	20.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

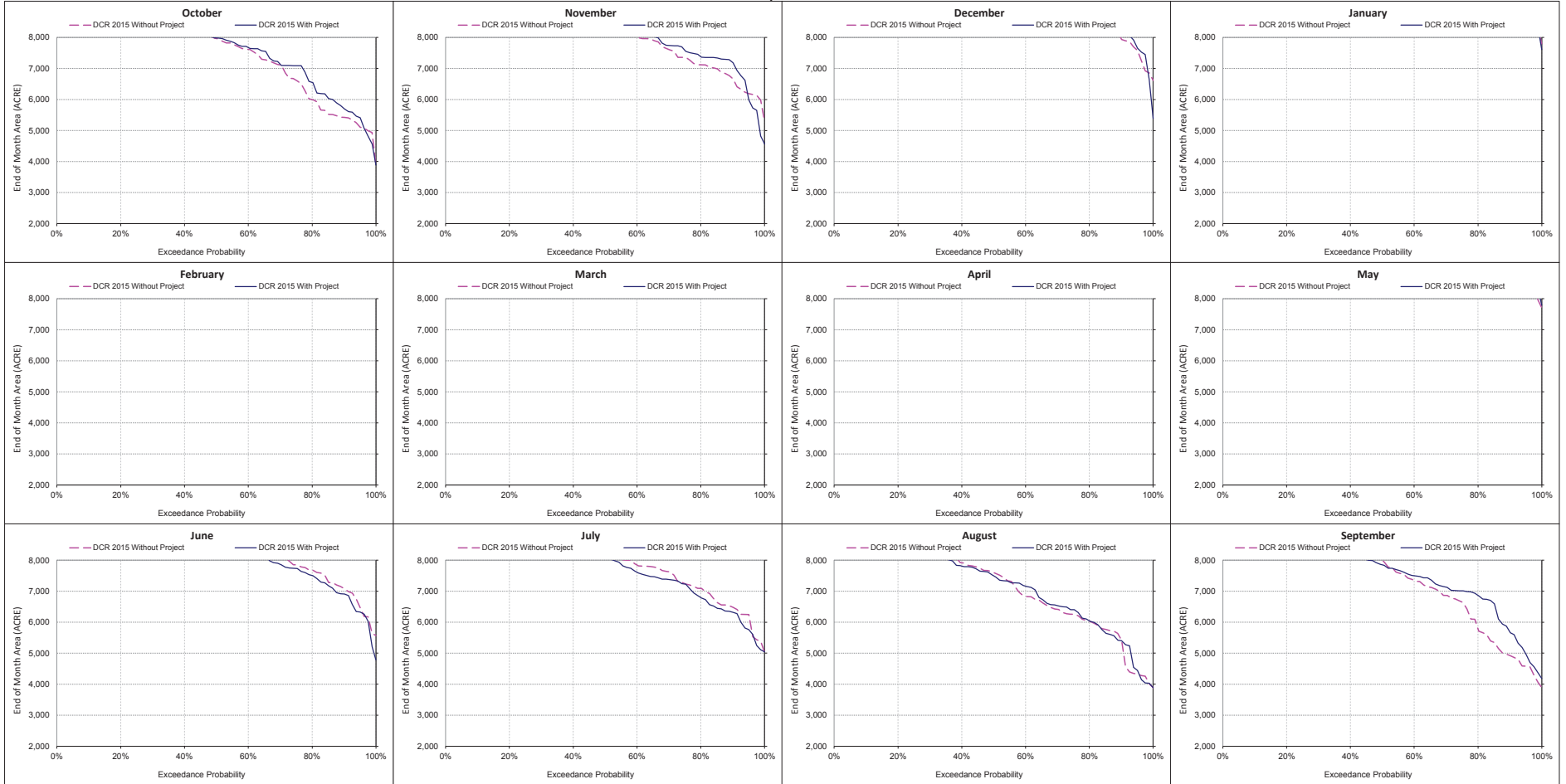


Table SW-43-b  
San Luis Reservoir (SWP and CVP), End of Month Area  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,491	12,254	-237	-1.9%
1.2%	11,053	11,080	26	0.2%
2.5%	10,440	10,363	-77	-0.7%
3.7%	10,406	9,945	-461	-4.4%
4.9%	10,164	9,915	-248	-2.4%
6.2%	10,023	9,897	-126	-1.3%
7.4%	9,795	9,857	62	0.6%
8.6%	9,656	9,630	-24	-0.2%
9.9%	9,560	9,614	54	0.6%
11.1%	9,467	9,585	118	1.2%
12.3%	9,402	9,416	15	0.2%
13.6%	9,364	9,399	35	0.4%
14.8%	9,322	9,353	31	0.3%
16.0%	9,316	9,286	-31	-0.3%
17.3%	9,300	9,186	-114	-1.2%
18.5%	9,213	9,140	-73	-0.8%
19.8%	9,191	9,105	-85	-0.9%
21.0%	9,047	9,001	-46	-0.5%
22.2%	8,971	8,986	15	0.2%
23.5%	8,919	8,959	39	0.4%
24.7%	8,867	8,876	10	0.1%
25.9%	8,820	8,743	-77	-0.9%
27.2%	8,770	8,679	-91	-1.0%
28.4%	8,715	8,673	-42	-0.5%
29.6%	8,709	8,628	-83	-1.0%
30.9%	8,680	8,547	-134	-1.5%
32.1%	8,662	8,501	-161	-1.9%
33.3%	8,648	8,473	-175	-2.0%
34.6%	8,583	8,459	-124	-1.4%
35.8%	8,583	8,411	-171	-2.0%
37.0%	8,433	8,357	-76	-0.9%
38.3%	8,405	8,350	-55	-0.7%
39.5%	8,382	8,346	-36	-0.4%
40.7%	8,198	8,281	83	1.0%
42.0%	8,143	8,213	71	0.9%
43.2%	8,131	8,203	72	0.9%
44.4%	8,119	8,170	51	0.6%
45.7%	8,072	8,139	66	0.8%
46.9%	8,063	8,127	64	0.8%
48.1%	8,043	8,029	-15	-0.2%
49.4%	7,977	7,989	12	0.1%
50.6%	7,955	7,979	24	0.3%
51.9%	7,879	7,964	85	1.1%
53.1%	7,824	7,912	88	1.1%
54.3%	7,824	7,879	55	0.7%
55.6%	7,764	7,836	72	0.9%
56.8%	7,708	7,757	49	0.6%
58.0%	7,642	7,717	75	1.0%
59.3%	7,624	7,713	89	1.2%
60.5%	7,614	7,642	29	0.4%
61.7%	7,531	7,635	104	1.4%
63.0%	7,442	7,634	192	2.6%
64.2%	7,297	7,573	276	3.8%
65.4%	7,279	7,553	274	3.8%
66.7%	7,239	7,331	92	1.3%
67.9%	7,183	7,245	62	0.9%
69.1%	7,133	7,226	93	1.3%
70.4%	7,104	7,102	-2	-0.0%
71.6%	6,854	7,101	247	3.6%
72.8%	6,683	7,099	416	6.2%
74.1%	6,677	7,004	416	6.2%
75.3%	6,602	7,090	488	7.4%
76.5%	6,512	7,086	575	8.8%
77.8%	6,279	6,887	608	9.7%
79.0%	6,022	6,586	564	9.4%
80.2%	5,994	6,544	550	9.2%
81.5%	5,927	6,211	284	4.8%
82.7%	5,662	6,188	526	9.3%
84.0%	5,551	6,182	631	9.4%
85.2%	5,521	6,026	506	9.2%
86.4%	5,513	6,004	490	8.9%
87.7%	5,475	5,891	416	7.6%
88.9%	5,430	5,807	377	6.9%
90.1%	5,424	5,684	260	5.0%
91.4%	5,408	5,608	200	3.7%
92.6%	5,343	5,593	250	4.7%
93.8%	5,249	5,462	213	4.1%
95.1%	5,105	5,411	306	6.0%
96.3%	5,075	5,072	-3	-0.1%
97.5%	4,990	4,909	-81	-1.6%
98.8%	4,934	4,562	-372	-7.5%
100.0%	3,889	3,889	0	0.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,656	-39	-0.3%
1.2%	11,708	12,154	446	3.8%
2.5%	10,811	10,609	-202	-1.9%
3.7%	10,775	10,593	-181	-1.7%
4.9%	10,603	10,566	-37	-0.3%
6.2%	10,594	10,501	-93	-0.9%
7.4%	10,396	10,415	19	0.2%
8.6%	10,347	10,346	-1	0.0%
9.9%	10,329	10,210	-119	-1.2%
11.1%	10,220	10,202	-18	-0.2%
12.3%	10,165	10,171	7	0.1%
13.6%	9,932	10,109	177	1.8%
14.8%	9,874	10,027	153	1.5%
16.0%	9,873	9,969	96	1.0%
17.3%	9,829	9,892	62	0.6%
18.5%	9,708	9,889	181	1.9%
19.8%	9,704	9,875	171	1.8%
21.0%	9,662	9,532	-129	-1.3%
22.2%	9,559	9,499	-59	-0.6%
23.5%	9,507	9,423	-85	-0.9%
24.7%	9,435	9,390	-45	-0.5%
25.9%	9,354	9,381	27	0.3%
27.2%	9,354	9,341	-13	-0.1%
28.4%	9,287	9,287	0	0.0%
29.6%	9,248	9,297	49	0.5%
30.9%	9,167	9,239	72	0.8%
32.1%	9,119	9,176	57	0.6%
33.3%	9,116	9,153	37	0.4%
34.6%	9,100	9,117	18	0.2%
35.8%	9,003	9,018	16	0.2%
37.0%	9,003	9,009	6	0.1%
38.3%	8,984	8,993	9	0.1%
39.5%	8,938	8,971	33	0.4%
40.7%	8,899	8,967	68	0.8%
42.0%	8,849	8,965	116	1.3%
43.2%	8,821	8,873	52	0.6%
44.4%	8,800	8,853	53	0.6%
45.7%	8,667	8,840	173	2.0%
46.9%	8,654	8,768	113	1.3%
48.1%	8,643	8,698	55	0.6%
49.4%	8,518	8,552	34	0.4%
50.6%	8,547	8,583	36	0.4%
51.9%	8,546	8,545	-1	0.0%
53.1%	8,355	8,489	134	1.6%
54.3%	8,286	8,433	146	1.8%
55.6%	8,239	8,335	96	1.2%
56.8%	8,145	8,238	93	1.1%
58.0%	8,094	8,224	130	1.6%
59.3%	8,052	8,201	149	1.9%
60.5%	7,991	8,159	168	2.1%
61.7%	7,965	8,128	163	2.0%
63.0%	7,964	8,109	145	1.8%
64.2%	7,955	8,081	126	1.6%
65.4%	7,896	8,027	132	1.7%
66.7%	7,857	7,992	135	1.7%
67.9%	7,705	7,820	115	1.5%
69.1%	7,648	7,750	102	1.3%
70.4%	7,597	7,737	140	1.8%
71.6%	7,560	7,735	176	2.3%
72.8%	7,357	7,733	376	5.1%
74.1%	7,357	7,700	343	4.7%
75.3%	7,357	7,552	194	2.6%
76.5%	7,270	7,513	243	3.3%
77.8%	7,161	7,485	324	4.5%
79.0%	7,122	7,459	337	4.7%
80.2%	7,117	7,366	248	3.5%
81.5%	7,115	7,357	242	3.4%
82.7%	7,044	7,357	313	4.4%
84.0%	7,019	7,357	338	4.8%
85.2%	6,987	7,339	352	5.0%
86.4%	6,879	7,300	421	6.1%
87.7%	6,840	7,300	460	6.7%
88.9%	6,775	7,286	511	7.5%
90.1%	6,686	7,180	511	7.7%
91.4%	6,410	6,833	423	6.6%
92.6%	6,332	6,765	433	6.8%
93.8%	6,238	6,621	384	6.2%
95.1%	6,188	6,593	405	6.6%
96.3%	6,163	6,571	408	6.6%
97.5%	6,132	6,566	434	7.1%
98.8%	5,978	6,421	443	7.4%
100.0%	5,286	4,562	-725	-13.7%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	11,974	11,974	0	0.0%
2.5%	11,761	11,697	-64	-0.5%
3.7%	11,537	11,643	106	0.9%
4.9%	11,473	11,527	54	0.5%
6.2%	11,421	11,276	-145	-1.3%
7.4%	11,420	11,209	-211	-1.8%
8.6%	11,225	11,187	-37	-0.3%
9.9%	11,093	11,170	77	0.7%
11.1%	10,996	11,090	94	0.9%
12.3%	10,846	11,068	222	2.0%
13.6%	10,831	10,914	83	0.8%
14.8%	10,738	10,858	120	1.1%
16.0%	10,668	10,764	96	0.9%
17.3%	10,623	10,717	93	0.9%
18.5%	10,595	10,705	110	1.0%
19.8%	10,575	10,581	6	0.1%
21.0%	10,538	10,523	-15	-0.1%
22.2%	10,525	10,521	-4	0.0%
23.5%	10,474	10,513	38	0.4%
24.7%	10,452	10,492	40	0.4%
25.9%	10,345	10,455	110	1.1%
27.2%	10,305	10,383	78	0.8%
28.4%	10,257	10,328	71	0.7%
29.6%	10,211	10,325	114	1.1%
30.9%	10,211	10,260	49	0.5%
32.1%	10,155	10,232	77	0.8%
33.3%	10,115	10,210	96	0.9%
34.6%	10,108	10,207	99	1.0%
35.8%	10,104	10,197	92	0.9%
37.0%	10,065	10,183	119	1.2%
38.3%	10,043	10,087	44	0.4%
39.5%	10,034	10,085	51	0.5%
40.7%	10,006	10,056	50	0.5%
42.0%	9,937	9,996	59	0.6%
43.2%	9,896	9,957	61	0.6%
44.4%	9,886	9,927	42	0.4%
45.7%	9,858	9,899	41	0.4%
46.9%	9,829	9,862	32	0.3%
48.1%	9,807	9,847	40	0.4%
49.4%	9,795	9,840	45	0.5%
50.6%	9,784	9,806	22	0.2%
51.9%	9,772	9,795	23	0.2%
53.1%	9,768	9,764	-4	0.0%
54.3%	9,691	9,760	69	0.7%
55.6%	9,586	9,750	162	1.7%
56.8%	9,522	9,731	209	2.2%
58.0%	9,512	9,659	146	1.5%
59.3%	9,468	9,537	69	0.7%
60.5%	9,459	9,473	13	0.1%
61.7%	9,417	9,376	-41	-0.4%
63.0%	9,250	9,317	67	0.7%
64.2%	9,225	9,300	74	0.8%
65.4%	9,209	9,180	-29	-0.3%
66.7%	9,056	9,041	-16	-0.2%
67.9%	9,036	9,039	3	0.0%
69.1%	8,887	9,027	141	1.6%
70.4%	8,875	9,014	139	1.6%
71.6%	8,874	9,003	128	1.4%
72.8%	8,798	8,978	180	2.0%
74.1%	8,759	8,969	210	2.4%
75.3%	8,754	8,945	191	2.2%
76.5%	8,727	8,810	83	0.9%
77.8%	8,718	8,763	46	0.5%
79.0%	8,692	8,708	16	0.2%
80.2%	8,564	8,623	59	0.7%
81.5%	8,499	8,575	76	0.9%
82.7%	8,498	8,515	17	0.2%
84.0%	8,479	8,425	-53	-0.6%
85.2%	8,378	8,405	26	0.3%
86.4%	8,300	8,344	44	0.5%
87.7%	8,284	8,280	-3	0.0%
88.9%	8,166	8,278	112	1.4%
90.1%	8,034	8,182	148	1.8%
91.4%	7,894	8,154	260	

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

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,618	12,655	37	0.3%
11.1%	12,274	12,393	119	1.0%
12.3%	12,274	12,356	82	0.7%
13.6%	12,260	12,257	-3	-0.0%
14.8%	12,150	12,252	102	0.8%
16.0%	12,055	12,245	190	1.6%
17.3%	12,035	12,166	132	1.1%
18.5%	12,020	12,081	61	0.5%
19.8%	12,010	12,067	56	0.5%
21.0%	11,953	12,051	98	0.8%
22.2%	11,940	12,012	72	0.6%
23.5%	11,896	11,990	94	0.8%
24.7%	11,854	11,989	135	1.1%
25.9%	11,782	11,962	180	1.5%
27.2%	11,775	11,912	137	1.2%
28.4%	11,769	11,888	119	1.0%
29.6%	11,755	11,887	132	1.1%
30.9%	11,742	11,779	37	0.3%
32.1%	11,737	11,759	22	0.2%
33.3%	11,733	11,701	-32	-0.3%
34.6%	11,721	11,693	-27	-0.2%
35.8%	11,712	11,670	-41	-0.4%
37.0%	11,699	11,666	-33	-0.3%
38.3%	11,588	11,604	15	0.1%
39.5%	11,496	11,485	-11	-0.1%
40.7%	11,462	11,434	-27	-0.2%
42.0%	11,445	11,432	-13	-0.1%
43.2%	11,403	11,368	-35	-0.3%
44.4%	11,388	11,326	-62	-0.5%
45.7%	11,380	11,288	-92	-0.8%
46.9%	11,342	11,284	-58	-0.5%
48.1%	11,296	11,281	-14	-0.1%
49.4%	11,291	11,266	-25	-0.2%
50.6%	11,276	11,246	-31	-0.3%
51.9%	11,209	11,237	28	0.2%
53.1%	11,177	11,199	22	0.2%
54.3%	11,144	11,092	-51	-0.5%
55.6%	11,119	11,078	-40	-0.4%
56.8%	11,104	11,096	8	0.1%
58.0%	11,053	11,065	12	0.1%
59.3%	10,944	10,950	6	0.1%
60.5%	10,886	10,893	7	0.1%
61.7%	10,880	10,879	-1	-0.0%
63.0%	10,849	10,856	7	0.1%
64.2%	10,810	10,797	-13	-0.1%
65.4%	10,676	10,787	111	1.0%
66.7%	10,661	10,738	77	0.7%
67.9%	10,621	10,730	109	1.0%
69.1%	10,601	10,701	100	0.9%
70.4%	10,586	10,667	81	0.8%
71.6%	10,565	10,621	56	0.5%
72.8%	10,453	10,563	110	1.1%
74.1%	10,434	10,555	121	1.2%
75.3%	10,420	10,512	92	0.9%
76.5%	10,402	10,511	109	1.0%
77.8%	10,391	10,482	91	0.9%
79.0%	10,382	10,478	97	0.9%
80.2%	10,327	10,458	131	1.3%
81.5%	10,308	10,433	125	1.2%
82.7%	10,207	10,416	209	2.0%
84.0%	10,127	10,383	256	2.5%
85.2%	10,071	10,305	234	2.3%
86.4%	10,014	10,110	96	1.0%
87.7%	9,966	10,095	129	1.3%
88.9%	9,794	9,856	63	0.6%
90.1%	9,785	9,780	-5	-0.1%
91.4%	9,782	9,752	-31	-0.3%
92.6%	9,575	9,737	162	1.7%
93.8%	9,542	9,408	-134	-1.4%
95.1%	9,531	9,343	-189	-2.0%
96.3%	9,435	9,067	-369	-3.9%
97.5%	8,937	8,065	-872	-9.7%
98.8%	8,816	8,026	-790	-9.0%
100.0%	8,448	8,909	461	5.5%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,663	12,696	33	0.3%
14.8%	12,543	12,652	109	0.9%
16.0%	12,614	12,655	42	0.3%
17.3%	12,611	12,600	-11	-0.1%
18.5%	12,579	12,592	13	0.1%
19.8%	12,575	12,538	-37	-0.3%
21.0%	12,567	12,530	-37	-0.3%
22.2%	12,551	12,521	-30	-0.3%
23.5%	12,432	12,500	68	0.5%
24.7%	12,420	12,420	0	0.0%
25.9%	12,414	12,361	-53	-0.4%
27.2%	12,394	12,353	-41	-0.3%
28.4%	12,310	12,322	12	0.1%
29.6%	12,295	12,313	18	0.1%
30.9%	12,290	12,289	-1	-0.0%
32.1%	12,282	12,285	2	0.0%
33.3%	12,269	12,255	-14	-0.1%
34.6%	12,197	12,247	50	0.4%
35.8%	12,140	12,208	68	0.6%
37.0%	12,121	12,172	52	0.4%
38.3%	12,112	12,162	50	0.4%
39.5%	12,034	12,127	93	0.8%
40.7%	11,998	12,127	129	1.1%
42.0%	11,986	12,090	104	0.9%
43.2%	11,988	11,959	-29	-0.2%
44.4%	11,938	11,950	12	0.1%
45.7%	11,937	11,848	-89	-0.7%
46.9%	11,886	11,834	-53	-0.4%
48.1%	11,826	11,769	-57	-0.5%
49.4%	11,740	11,720	-20	-0.2%
50.6%	11,711	11,719	8	0.1%
51.9%	11,675	11,663	-13	-0.1%
53.1%	11,638	11,582	-56	-0.5%
54.3%	11,579	11,581	2	0.0%
55.6%	11,520	11,553	33	0.3%
56.8%	11,490	11,522	32	0.3%
58.0%	11,469	11,475	6	0.1%
59.3%	11,442	11,407	-35	-0.3%
60.5%	11,412	11,343	-69	-0.6%
61.7%	11,398	11,326	-72	-0.6%
63.0%	11,375	11,302	-73	-0.6%
64.2%	11,348	11,297	-51	-0.5%
65.4%	11,333	11,292	-41	-0.4%
66.7%	11,305	11,271	-33	-0.3%
67.9%	11,288	11,246	-42	-0.4%
69.1%	11,238	11,229	-9	-0.1%
70.4%	11,228	11,214	-14	-0.1%
71.6%	11,226	11,204	-22	-0.2%
72.8%	11,154	11,135	-19	-0.2%
74.1%	11,061	11,128	68	0.6%
75.3%	11,004	11,007	3	0.0%
76.5%	10,980	10,971	-10	-0.1%
77.8%	10,959	10,966	7	0.1%
79.0%	10,893	10,963	70	0.6%
80.2%	10,833	10,946	114	1.0%
81.5%	10,780	10,932	151	1.4%
82.7%	10,751	10,787	36	0.3%
84.0%	10,738	10,785	47	0.4%
85.2%	10,736	10,765	29	0.3%
86.4%	10,732	10,711	-22	-0.2%
87.7%	10,647	10,695	48	0.4%
88.9%	10,603	10,679	76	0.7%
90.1%	10,591	10,650	59	0.6%
91.4%	10,475	10,522	47	0.4%
92.6%	10,275	10,517	241	2.3%
93.8%	10,208	10,156	-52	-0.5%
95.1%	10,015	10,048	33	0.3%
96.3%	9,933	9,807	-127	-1.3%
97.5%	9,768	9,692	-74	-0.8%
98.8%	9,475	9,551	76	0.8%
100.0%	8,649	9,193	544	6.3%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,664	12,696	31	0.2%
3.7%	12,589	12,690	101	0.8%
4.9%	12,466	12,465	-1	-0.0%
6.2%	12,394	12,370	-25	-0.2%
7.4%	12,294	12,338	44	0.4%
8.6%	12,237	12,231	-6	-0.0%
9.9%	12,196	12,185	-10	-0.1%
11.1%	12,149	12,141	-7	-0.1%
12.3%	12,126	12,132	6	0.0%
13.6%	12,102	12,120	18	0.1%
14.8%	12,101	12,095	-6	-0.1%
16.0%	12,061	12,091	30	0.3%
17.3%	12,035	12,054	20	0.2%
18.5%	12,033	12,053	20	0.2%
19.8%	12,023	11,988	-35	-0.3%
21.0%	12,009	11,985	-24	-0.2%
22.2%	11,984	11,968	-17	-0.1%
23.5%	11,979	11,938	-41	-0.3%
24.7%	11,977	11,913	-64	-0.5%
25.9%	11,934	11,874	-60	-0.5%
27.2%	11,810	11,868	58	0.5%
28.4%	11,788	11,831	43	0.4%
29.6%	11,786	11,771	-15	-0.1%
30.9%	11,752	11,758	6	0.0%
32.1%	11,752	11,708	-44	-0.4%
33.3%	11,725	11,706	-19	-0.2%
34.6%	11,718	11,693	-25	-0.2%
35.8%	11,715	11,668	-48	-0.4%
37.0%	11,703	11,645	-58	-0.5%
38.3%	11,686	11,613	-74	-0.6%
39.5%	11,672	11,563	-109	-0.9%
40.7%	11,620	11,563	-57	-0.5%
42.0%	11,589	11,569	-20	-0.2%
43.2%	11,579	11,403	-176	-1.5%
44.4%	11,572	11,350	-222	-1.9%
45.7%	11,541	11,286	-255	-2.2%
46.9%	11,394	11,267	-127	-1.1%
48.1%	11,349	11,236	-113	-1.0%
49.4%	11,312	11,177	-135	-1.2%
50.6%	11,170	11,166	-4	-0.0%
51.9%	11,144	11,161	17	0.2%
53.1%	11,131	11,149	18	0.2%
54.3%	11,103	11,120	18	0.2%
55.6%	11,070	11,067	-3	-0.0%
56.8%	11,037	11,047	10	0.1%
58.0%	11,000	11,025	25	0.2%
59.3%	10,968	11,003	35	0.3%
60.5%	10,906	10,988	82	0.8%
61.7%	10,872	10,977	105	1.0%
63.0%	10,823	10,909	86	0.8%
64.2%	10,812	10,836	24	0.2%
65.4%	10,763	10,795	32	0.3%
66.7%	10,737	10,740	3	0.0%
67.9%	10,732	10,723	-9	-0.1%
69.1%	10,681	10,695	13	0.1%
70.4%	10,646	10,657	11	0.1%
71.6%	10,633	10,632	-1	-0.0%
72.8%	10,621	10,623	2	0.0%
74.1%	10,615	10,535	-80	-0.8%
75.3%	10,565	10,527	-39	-0.4%
76.5%	10,550	10,469	-80	-0.8%
77.8%	10,498	10,463	-35	-0.3%
79.0%	10,471	10,445	-25	-0.2%
80.2%	10,470	10,414	-56	-0.5%
81.5%	10,469	10,377	-92	-0.9%
82.7%	10,448	10,306	-142	-1.4%
84.0%	10,260	10,265	5	0.1%
85.2%	10,210	10,265	55	

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

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,633	12,418	-215	-1.7%
1.2%	12,374	12,374	0	0.0%
2.5%	12,165	12,158	-7	-0.1%
3.7%	11,285	11,287	2	0.0%
4.9%	11,207	11,185	-22	-0.2%
6.2%	11,202	11,127	-76	-0.7%
7.4%	11,197	11,025	-172	-1.5%
8.6%	10,549	10,811	262	2.5%
9.9%	10,476	10,403	-73	-0.7%
11.1%	10,442	10,265	-177	-1.7%
12.3%	10,333	10,190	-142	-1.4%
13.6%	10,275	10,142	-133	-1.3%
14.8%	10,192	10,091	-101	-1.0%
16.0%	10,135	9,962	-173	-1.7%
17.3%	10,047	9,915	-132	-1.3%
18.5%	9,988	9,909	-79	-0.8%
19.8%	9,983	9,710	-273	-2.7%
21.0%	9,844	9,547	-297	-3.0%
22.2%	9,832	9,442	-390	-3.9%
23.5%	9,816	9,471	-345	-3.5%
24.7%	9,659	9,469	-189	-2.0%
25.9%	9,614	9,464	-150	-1.6%
27.2%	9,596	9,461	-135	-1.4%
28.4%	9,521	9,435	-86	-0.9%
29.6%	9,482	9,420	-62	-0.7%
30.9%	9,474	9,326	-148	-1.6%
32.1%	9,434	9,284	-150	-1.6%
33.3%	9,416	9,212	-204	-2.2%
34.6%	9,341	9,208	-134	-1.4%
35.8%	9,329	9,168	-161	-1.7%
37.0%	9,321	9,157	-164	-1.8%
38.3%	9,315	9,119	-195	-2.1%
39.5%	9,292	9,116	-176	-1.9%
40.7%	9,202	9,105	-97	-1.1%
42.0%	9,177	9,058	-119	-1.3%
43.2%	9,155	8,951	-193	-2.1%
44.4%	8,999	8,923	-76	-0.8%
45.7%	8,997	8,890	-107	-1.2%
46.9%	8,961	8,878	-82	-0.9%
48.1%	8,955	8,873	-82	-0.9%
49.4%	8,937	8,850	-87	-1.0%
50.6%	8,921	8,875	-47	-0.5%
51.9%	8,917	8,826	-91	-1.0%
53.1%	8,847	8,807	-40	-0.4%
54.3%	8,790	8,590	-200	-2.3%
55.6%	8,721	8,568	-153	-1.8%
56.8%	8,717	8,535	-182	-2.1%
58.0%	8,650	8,498	-152	-1.8%
59.3%	8,623	8,415	-208	-2.4%
60.5%	8,604	8,321	-283	-3.3%
61.7%	8,584	8,295	-289	-3.4%
63.0%	8,518	8,282	-237	-2.8%
64.2%	8,482	8,204	-278	-3.3%
65.4%	8,452	8,151	-302	-3.6%
66.7%	8,427	8,177	-250	-3.0%
67.9%	8,424	8,188	-236	-2.8%
69.1%	8,138	7,900	-237	-2.9%
70.4%	8,082	7,853	-229	-2.8%
71.6%	8,060	7,770	-290	-3.6%
72.8%	7,968	7,746	-222	-2.8%
74.1%	7,855	7,742	-113	-1.4%
75.3%	7,849	7,729	-120	-1.5%
76.5%	7,781	7,635	-146	-1.9%
77.8%	7,763	7,601	-162	-2.1%
79.0%	7,687	7,533	-154	-2.0%
80.2%	7,674	7,500	-174	-2.3%
81.5%	7,605	7,407	-198	-2.6%
82.7%	7,586	7,293	-292	-3.9%
84.0%	7,523	7,267	-256	-3.4%
85.2%	7,279	7,170	-108	-1.5%
86.4%	7,271	7,101	-171	-2.3%
87.7%	7,202	7,025	-177	-2.4%
88.9%	7,153	6,920	-232	-3.2%
90.1%	7,078	6,811	-267	-3.8%
91.4%	6,986	6,880	-106	-1.5%
92.6%	6,937	6,572	-365	-5.3%
93.8%	6,741	6,346	-395	-5.9%
95.1%	6,464	6,325	-139	-2.1%
96.3%	6,184	6,258	74	1.2%
97.5%	6,173	6,031	-142	-2.3%
98.8%	5,643	5,208	-435	-7.7%
100.0%	5,568	4,785	-783	-14.1%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,304	12,098	-206	-1.7%
1.2%	11,988	11,988	0	0.1%
2.5%	11,563	11,550	-13	-0.1%
3.7%	10,880	10,645	-235	-2.2%
4.9%	10,262	10,290	28	0.3%
6.2%	10,174	10,182	8	0.1%
7.4%	10,034	10,141	106	1.1%
8.6%	10,004	10,072	68	0.7%
9.9%	9,787	9,864	77	0.8%
11.1%	9,776	9,714	-62	-0.6%
12.3%	9,750	9,618	-132	-1.4%
13.6%	9,710	9,484	-225	-2.3%
14.8%	9,584	9,482	-102	-1.1%
16.0%	9,568	9,421	-147	-1.5%
17.3%	9,491	9,391	-100	-1.1%
18.5%	9,486	9,213	-274	-2.9%
19.8%	9,445	9,167	-278	-2.9%
21.0%	9,289	9,095	-194	-2.1%
22.2%	9,263	9,083	-180	-1.9%
23.5%	9,236	9,038	-199	-2.2%
24.7%	9,205	9,019	-186	-2.0%
25.9%	9,106	8,979	-126	-1.4%
27.2%	9,105	8,970	-135	-1.5%
28.4%	9,063	8,963	-100	-1.2%
29.6%	9,030	8,928	-102	-1.1%
30.9%	9,025	8,923	-102	-1.1%
32.1%	9,012	8,866	-146	-1.6%
33.3%	9,003	8,840	-163	-1.8%
34.6%	8,781	8,673	-109	-1.2%
35.8%	8,767	8,613	-154	-1.8%
37.0%	8,750	8,603	-146	-1.7%
38.3%	8,722	8,528	-194	-2.2%
39.5%	8,703	8,400	-303	-3.5%
40.7%	8,693	8,389	-305	-3.5%
42.0%	8,384	8,326	-58	-0.7%
43.2%	8,335	8,335	0	0.0%
44.4%	8,459	8,313	-146	-1.7%
45.7%	8,450	8,228	-222	-2.6%
46.9%	8,410	8,210	-200	-2.4%
48.1%	8,397	8,192	-205	-2.4%
49.4%	8,346	8,118	-228	-2.7%
50.6%	8,312	8,077	-235	-2.8%
51.9%	8,307	8,032	-275	-3.3%
53.1%	8,241	7,981	-260	-3.2%
54.3%	8,128	7,936	-192	-2.4%
55.6%	8,011	7,817	-194	-2.4%
56.8%	8,002	7,781	-220	-2.8%
58.0%	8,001	7,742	-258	-3.2%
59.3%	7,887	7,656	-231	-2.9%
60.5%	7,815	7,589	-225	-2.9%
61.7%	7,809	7,545	-264	-3.4%
63.0%	7,805	7,507	-298	-3.8%
64.2%	7,795	7,476	-319	-4.1%
65.4%	7,777	7,462	-314	-4.0%
66.7%	7,745	7,432	-314	-4.1%
67.9%	7,664	7,388	-277	-3.6%
69.1%	7,639	7,384	-255	-3.3%
70.4%	7,625	7,374	-251	-3.3%
71.6%	7,516	7,355	-160	-2.1%
72.8%	7,303	7,332	29	0.4%
74.1%	7,284	7,241	-43	-0.6%
75.3%	7,231	7,226	-5	-0.1%
76.5%	7,201	7,077	-124	-1.7%
77.8%	7,154	6,940	-215	-3.0%
79.0%	7,093	6,858	-235	-3.3%
80.2%	7,089	6,777	-312	-4.4%
81.5%	6,981	6,731	-250	-3.6%
82.7%	6,926	6,569	-357	-5.2%
84.0%	6,765	6,519	-247	-3.6%
85.2%	6,631	6,449	-182	-2.7%
86.4%	6,557	6,434	-123	-1.9%
87.7%	6,556	6,358	-198	-3.0%
88.9%	6,532	6,356	-177	-2.7%
90.1%	6,478	6,319	-159	-2.5%
91.4%	6,408	6,279	-130	-2.0%
92.6%	6,252	5,996	-257	-4.1%
93.8%	6,250	5,811	-439	-7.0%
95.1%	6,248	5,762	-486	-7.8%
96.3%	5,531	5,610	79	1.4%
97.5%	5,434	5,246	-188	-3.5%
98.8%	5,386	5,112	-274	-5.1%
100.0%	5,029	5,040	11	0.2%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,865	11,625	-239	-2.0%
1.2%	11,310	11,310	0	0.1%
2.5%	10,876	10,855	-21	-0.2%
3.7%	9,820	9,845	25	0.3%
4.9%	9,773	9,682	-91	-0.9%
6.2%	9,572	9,480	-93	-1.0%
7.4%	9,550	9,466	-84	-1.0%
8.6%	9,473	9,386	-87	-0.9%
9.9%	9,389	9,309	-80	-0.9%
11.1%	9,337	9,281	-55	-0.6%
12.3%	9,318	9,059	-259	-2.8%
13.6%	9,006	8,880	-126	-1.4%
14.8%	8,953	8,873	-80	-0.9%
16.0%	8,893	8,839	-54	-0.6%
17.3%	8,859	8,769	-90	-1.0%
18.5%	8,774	8,719	-55	-0.6%
19.8%	8,751	8,607	-143	-1.6%
21.0%	8,700	8,558	-142	-1.6%
22.2%	8,439	8,309	-130	-1.5%
23.5%	8,556	8,411	-145	-1.7%
24.7%	8,514	8,360	-154	-1.8%
25.9%	8,462	8,345	-117	-1.4%
27.2%	8,443	8,338	-105	-1.2%
28.4%	8,337	8,282	-55	-0.7%
29.6%	8,333	8,230	-103	-1.2%
30.9%	8,310	8,200	-109	-1.3%
32.1%	8,255	8,124	-131	-1.6%
33.3%	8,215	8,098	-116	-1.4%
34.6%	8,170	8,070	-99	-1.2%
35.8%	8,056	8,013	-43	-0.5%
37.0%	8,053	7,975	-78	-1.0%
38.3%	8,075	7,837	-237	-2.9%
39.5%	7,924	7,828	-96	-1.2%
40.7%	7,905	7,788	-117	-1.5%
42.0%	7,832	7,738	-94	-1.2%
43.2%	7,817	7,770	-47	-0.6%
44.4%	7,785	7,719	-66	-0.8%
45.7%	7,741	7,645	-96	-1.2%
46.9%	7,668	7,634	-34	-0.4%
48.1%	7,665	7,618	-47	-0.6%
49.4%	7,538	7,538	0	0.0%
50.6%	7,571	7,455	-115	-1.5%
51.9%	7,517	7,351	-166	-2.2%
53.1%	7,441	7,340	-101	-1.4%
54.3%	7,338	7,326	-12	-0.2%
55.6%	7,316	7,270	-46	-0.6%
56.8%	7,124	7,268	142	2.0%
58.0%	6,961	7,264	303	4.4%
59.3%	6,853	7,182	330	4.8%
60.5%	6,824	7,151	327	4.8%
61.7%	6,821	7,125	304	4.5%
63.0%	6,738	7,046	308	4.6%
64.2%	6,716	6,802	85	1.3%
65.4%	6,618	6,719	101	1.5%
66.7%	6,541	6,605	64	1.0%
67.9%	6,476	6,562	86	1.3%
69.1%	6,427	6,557	130	2.0%
70.4%	6,411	6,521	110	1.7%
71.6%	6,313	6,497	184	2.9%
72.8%	6,272	6,493	221	3.5%
74.1%	6,256	6,406	150	2.4%
75.3%	6,255	6,400	144	2.3%
76.5%	6,205	6,309	104	1.7%
77.8%	6,096	6,128	32	0.5%
79.0%	6,054	6,107	52	0.9%
80.2%	6,026	6,024	-2	0.0%
81.5%	5,966	5,996	30	0.5%
82.7%	5,896	5,917	20	0.3%
84.0%	5,792	5,820	28	0.5%
85.2%	5,765	5,641	-124	-2.2%
86.4%	5,730	5,604	-126	-2.2%
87.7%	5,714	5,568	-147	-2.6%
88.9%	5,639	5,418	-221	-3.9%
90.1%	5,415	5,406	-9	-0.2%
91.4%	5,273			

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

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	241	363	532	648	732	798	714	553	381	247	159	184
DCR 2015 With Project	244	367	531	646	734	796	709	542	360	232	162	202
Difference	3	4	-1	-2	1	-2	-5	-10	-21	-16	3	17
Percent Difference <sup>2</sup>	1.1%	1.0%	-0.2%	-0.4%	0.2%	-0.2%	-0.6%	-1.8%	-5.5%	-6.4%	1.8%	9.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	264	376	548	669	790	890	808	643	490	301	186	211
DCR 2015 With Project	247	375	548	677	798	894	807	637	475	287	176	193
Difference	-17	-1	0	8	8	4	-1	-6	-15	-15	-10	-18
Percent Difference	-6.5%	-0.3%	0.1%	1.2%	1.0%	0.4%	-0.1%	-1.0%	-3.2%	-4.8%	-5.5%	-8.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	198	350	533	650	732	838	732	535	361	185	111	131
DCR 2015 With Project	218	357	539	646	726	827	719	516	340	185	105	136
Difference	20	7	6	-4	-6	-11	-13	-19	-20	0	-6	5
Percent Difference	10.0%	2.0%	1.1%	-0.6%	-0.8%	-1.3%	-1.7%	-3.5%	-5.6%	0.0%	-5.3%	3.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	332	481	664	689	756	817	726	554	381	277	204	257
DCR 2015 With Project	308	447	625	665	746	810	716	538	338	238	177	233
Difference	-23	-34	-39	-25	-10	-7	-10	-16	-43	-40	-27	-24
Percent Difference	-7.0%	-7.1%	-5.9%	-3.6%	-1.3%	-0.9%	-1.4%	-2.9%	-11.3%	-14.3%	-13.1%	-9.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	186	314	467	627	702	730	642	478	281	204	112	138
DCR 2015 With Project	188	319	475	631	706	732	641	473	266	193	122	176
Difference	2	6	8	5	4	2	0	-5	-15	-11	10	38
Percent Difference	1.0%	1.8%	1.7%	0.8%	0.5%	0.3%	0.0%	-1.1%	-5.4%	-5.6%	9.3%	27.5%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	210	284	442	583	627	639	587	483	312	222	166	165
DCR 2015 With Project	270	335	462	576	630	634	582	474	296	210	229	289
Difference	60	52	20	-7	4	-6	-5	-9	-16	-13	63	124
Percent Difference	28.7%	18.2%	4.5%	-1.2%	0.6%	-0.9%	-0.8%	-2.0%	-5.2%	-5.7%	37.7%	75.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





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

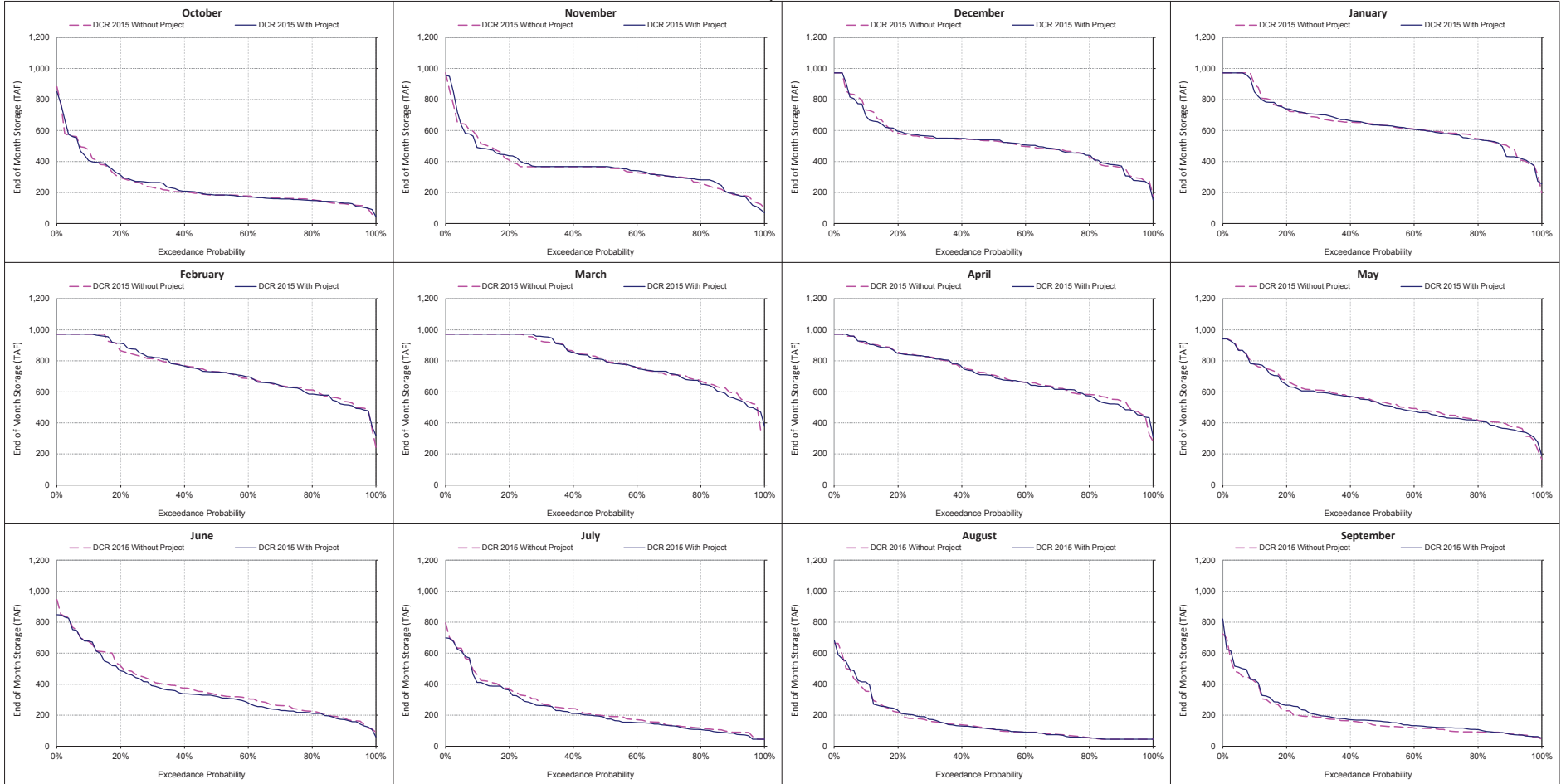


Table SW-44-b  
San Luis Reservoir (CVP), End of Month Storage  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	852	850	-33	-3.7%
1.2%	775	771	-4	-0.5%
2.5%	580	667	87	15.0%
3.7%	569	575	7	1.2%
4.9%	564	561	-3	-0.5%
6.2%	560	551	-9	-1.6%
7.4%	495	466	-29	-5.9%
8.6%	491	442	-49	-10.1%
9.9%	477	406	-71	-14.9%
11.1%	419	398	-21	-5.1%
12.3%	409	395	-15	-3.6%
13.6%	381	393	12	3.3%
14.8%	379	390	11	3.0%
16.0%	364	370	6	1.5%
17.3%	332	350	18	5.5%
18.5%	310	330	20	6.4%
19.8%	298	316	17	5.8%
21.0%	289	294	5	1.8%
22.2%	280	290	9	3.3%
23.5%	279	280	1	0.4%
24.7%	268	272	4	1.7%
25.9%	264	272	8	3.0%
27.2%	248	269	21	8.4%
28.4%	238	266	27	11.5%
29.6%	209	265	30	12.6%
30.9%	228	264	36	15.7%
32.1%	228	264	36	15.6%
33.3%	218	259	41	19.0%
34.6%	215	235	19	9.0%
35.8%	209	230	22	10.5%
37.0%	205	225	20	9.9%
38.3%	205	213	8	3.8%
39.5%	201	209	7	3.6%
40.7%	201	208	7	3.4%
42.0%	200	206	6	3.2%
43.2%	195	205	9	4.9%
44.4%	194	198	3	1.7%
45.7%	189	193	4	2.0%
46.9%	187	188	1	0.6%
48.1%	183	187	3	1.9%
49.4%	183	183	0	0.0%
50.6%	183	183	0	0.0%
51.9%	183	183	0	0.0%
53.1%	183	183	0	0.0%
54.3%	183	182	-2	-0.9%
55.6%	183	180	-3	-1.8%
56.8%	182	176	-6	-3.3%
58.0%	178	175	-4	-2.1%
59.3%	178	172	-6	-3.3%
60.5%	177	171	-6	-3.4%
61.7%	172	170	-2	-1.2%
63.0%	170	168	-2	-1.2%
64.2%	166	166	-3	-1.8%
65.4%	169	163	-6	-3.4%
66.7%	167	162	-5	-3.1%
67.9%	165	160	-5	-2.9%
69.1%	165	160	-5	-2.8%
70.4%	164	158	-6	-3.6%
71.6%	162	158	-4	-2.3%
72.8%	161	158	-4	-2.2%
74.1%	161	156	-6	-3.4%
75.3%	161	155	-5	-3.2%
76.5%	159	154	-5	-3.1%
77.8%	159	151	-8	-5.0%
79.0%	157	151	-6	-3.8%
80.2%	153	148	-5	-3.4%
81.5%	149	148	-2	-1.1%
82.7%	148	144	-5	-3.0%
84.0%	142	143	1	0.5%
85.2%	136	143	6	4.8%
86.4%	132	142	10	7.5%
87.7%	131	140	9	7.2%
88.9%	128	135	6	5.1%
90.1%	128	131	3	2.2%
91.4%	123	130	7	5.5%
92.6%	122	128	6	5.2%
93.8%	117	110	-7	-6.2%
95.1%	116	108	-8	-7.0%
96.3%	115	104	-11	-9.3%
97.5%	94	98	4	3.9%
98.8%	60	90	30	49.5%
100.0%	45	45	0	0.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	956	-16	-1.7%
1.2%	859	850	-9	-1.0%
2.5%	765	849	84	11.0%
3.7%	652	717	66	10.1%
4.9%	645	633	-12	-1.8%
6.2%	640	581	-59	-9.2%
7.4%	605	578	-27	-4.5%
8.6%	595	564	-32	-5.3%
9.9%	563	490	-73	-13.0%
11.1%	515	486	-29	-5.6%
12.3%	507	484	-24	-4.7%
13.6%	499	479	-20	-3.9%
14.8%	438	474	36	8.2%
16.0%	471	453	-18	-3.8%
17.3%	461	446	-15	-3.2%
18.5%	423	416	-7	-1.6%
19.8%	412	437	25	6.2%
21.0%	390	436	47	12.0%
22.2%	387	425	39	10.0%
23.5%	367	402	35	9.5%
24.7%	367	388	21	5.9%
25.9%	367	385	18	4.9%
27.2%	367	371	4	1.2%
28.4%	367	367	0	0.0%
29.6%	367	367	0	0.0%
30.9%	367	367	0	0.0%
32.1%	367	367	0	0.0%
33.3%	367	367	0	0.0%
34.6%	367	367	0	0.0%
35.8%	367	367	0	0.0%
37.0%	367	367	0	0.0%
38.3%	367	367	0	0.0%
39.5%	367	367	0	0.0%
40.7%	367	367	0	0.0%
42.0%	367	367	0	0.0%
43.2%	367	367	0	0.0%
44.4%	367	367	0	0.0%
45.7%	367	367	0	0.0%
46.9%	364	367	3	0.7%
48.1%	363	367	3	0.9%
49.4%	363	367	3	0.9%
50.6%	360	367	6	1.8%
51.9%	356	364	8	2.2%
53.1%	354	359	4	1.2%
54.3%	354	359	5	1.3%
55.6%	348	353	5	1.3%
56.8%	334	351	17	5.0%
58.0%	332	342	10	3.0%
59.3%	328	342	14	4.3%
60.5%	327	340	13	4.0%
61.7%	324	335	11	3.5%
63.0%	321	329	8	2.5%
64.2%	320	317	-3	-0.8%
65.4%	318	316	-3	-0.9%
66.7%	307	314	7	2.1%
67.9%	307	312	6	1.8%
69.1%	307	307	1	0.2%
70.4%	305	304	-1	-0.2%
71.6%	302	302	0	0.0%
72.8%	300	297	-3	-0.9%
74.1%	299	296	-3	-1.1%
75.3%	295	291	-4	-1.4%
76.5%	293	291	-2	-0.7%
77.8%	288	289	22	8.0%
79.0%	266	284	17	6.6%
80.2%	256	282	26	10.1%
81.5%	250	281	31	12.5%
82.7%	241	281	41	16.9%
84.0%	232	273	41	17.8%
85.2%	227	259	32	14.2%
86.4%	221	246	25	11.2%
87.7%	206	208	1	0.7%
88.9%	205	197	-8	-3.8%
90.1%	184	194	7	3.9%
91.4%	186	183	-2	-1.2%
92.6%	181	178	-3	-1.9%
93.8%	179	175	-4	-2.1%
95.1%	174	146	-29	-16.4%
96.3%	145	116	-29	-19.8%
97.5%	134	109	-25	-18.8%
98.8%	125	90	-35	-27.7%
100.0%	99	70	-30	-30.0%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	856	910	54	6.3%
4.9%	836	817	-19	-2.3%
6.2%	833	806	-28	-3.3%
7.4%	815	772	-43	-5.2%
8.6%	798	772	-26	-3.3%
9.9%	734	694	-40	-5.5%
11.1%	729	667	-62	-8.5%
12.3%	718	661	-57	-8.0%
13.6%	676	657	-18	-2.7%
14.8%	668	643	-25	-3.7%
16.0%	638	621	-17	-2.6%
17.3%	613	618	5	0.8%
18.5%	591	616	25	4.2%
19.8%	586	596	10	1.8%
21.0%	577	591	14	2.4%
22.2%	574	592	9	1.4%
23.5%	574	579	5	0.9%
24.7%	565	578	8	1.5%
25.9%	565	573	8	1.3%
27.2%	558	567	9	1.6%
28.4%	558	566	8	1.5%
29.6%	553	564	12	2.1%
30.9%	550	563	13	2.3%
32.1%	550	550	0	0.0%
33.3%	550	567	0	0.0%
34.6%	550	550	0	0.0%
35.8%	550	550	0	0.0%
37.0%	547	550	3	0.5%
38.3%	544	550	6	1.0%
39.5%	544	548	5	0.8%
40.7%	544	548	4	0.8%
42.0%	544	546	2	0.4%
43.2%	544	543	-1	-0.1%
44.4%	540	541	1	0.1%
45.7%	538	541	3	0.5%
46.9%	535	540	6	1.0%
48.1%	534	540	6	1.1%
49.4%	533	540	7	1.3%
50.6%	532	539	7	1.3%
51.9%	529	539	9	1.8%
53.1%	525	524	-1	-0.1%
54.3%	516	523	6	1.2%
55.6%	516	520	4	0.8%
56.8%	511	517	6	1.2%
58.0%	502	514	13	2.5%
59.3%	499	508	9	1.9%
60.5%	496	506	9	1.9%
61.7%	494	504	9	1.8%
63.0%	490	503	14	2.8%
64.2%	485	496	12	2.5%
65.4%	483	493	10	2.0%
66.7%	482	487	5	1.0%
67.9%	482	486	4	0.9%
69.1%	479	481	2	0.4%
70.4%	476	477	1	0.2%
71.6%	475	465	-10	-2.1%
72.8%	466	458	-8	-1.8%
74.1%	465	457	-9	-1.9%
75.3%	457	455	-2	-0.4%
76.5%	454	454	0	0.0%
77.8%	452	453	0	0.1%
79.0%	449	441	-8	-1.9%
80.2%	423	439	16	3.9%
81.5%	418	411	-8	-1.9%
82.7%	389	408	19	4.9%
84.0%	376	392	16	4.1%
85.2%	371	387	16	4.4%
86.4%	371	382	11	3.0%
87.7%	370	379	10	2.6%
88.9%	365	375	10	2.7%
90.1%	359	372	13	3.5%
91.4%	353	308	-45	-12.8%
92.6%	309	306	-3	-0.9%
93.8%	297	278	-19	-6.3%
95.1%	294	276	-18	-6.1%
96.3%	291	274	-17	-5.9%
97.5%	271	271	0	0.0%
98.8%	253	253	0	0.0%
100.0%	172	152	-20	-14.6%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	960	-12	-1.3%
8.6%	968	934	-35	-3.8%
9.9%	898	851	-47	-5.3%
11.1%	877	819	-58	-6.7%
12.3%	807	797	-11	-1.3%
13.6%	806	783	-24	-2.9%
14.8%	799	782	-17	-2.1%
16.0%	767	781	14	1.9%
17.3%	760	759	0	-0.1%
18.5%	758	753	-5	-0.7%
19.8%	742	740	-2	-0.3%
21.0%	722	738	16	2.2%
22.2				

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

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	972	965	-7	-0.7%
13.6%	972	962	-10	-1.1%
14.8%	972	959	-13	-1.3%
16.0%	926	955	29	3.1%
17.3%	918	919	1	0.1%
18.5%	914	914	0	0.0%
19.8%	867	914	47	5.5%
21.0%	859	910	51	5.9%
22.2%	853	882	29	3.3%
23.5%	845	877	32	3.8%
24.7%	838	875	37	4.5%
25.9%	831	853	22	2.7%
27.2%	824	842	18	2.2%
28.4%	815	827	12	1.4%
29.6%	814	825	11	1.3%
30.9%	811	820	9	1.1%
32.1%	804	820	16	1.9%
33.3%	795	812	17	2.2%
34.6%	792	808	16	2.0%
35.8%	785	783	-2	-0.2%
37.0%	781	779	-2	-0.2%
38.3%	776	773	-3	-0.4%
39.5%	771	768	-2	-0.3%
40.7%	765	762	-3	-0.5%
42.0%	762	757	-7	-0.9%
43.2%	760	754	-7	-0.9%
44.4%	751	746	-5	-0.7%
45.7%	748	732	-16	-2.1%
46.9%	737	730	-7	-0.9%
48.1%	734	730	-4	-0.6%
49.4%	729	729	0	0.0%
50.6%	729	727	-3	-0.4%
51.9%	725	726	1	0.2%
53.1%	723	723	0	0.1%
54.3%	720	715	-5	-0.7%
55.6%	709	713	4	0.5%
56.8%	704	709	4	0.6%
58.0%	689	705	16	2.3%
59.3%	687	698	11	1.6%
60.5%	685	695	10	1.4%
61.7%	681	679	-2	-0.3%
63.0%	671	662	-9	-1.3%
64.2%	665	661	-5	-0.7%
65.4%	659	659	-1	-0.1%
66.7%	659	658	-1	-0.1%
67.9%	649	653	4	0.6%
69.1%	641	648	6	1.0%
70.4%	638	638	0	0.0%
71.6%	635	630	-5	-0.8%
72.8%	631	629	-2	-0.3%
74.1%	630	627	-3	-0.5%
75.3%	630	625	-5	-0.7%
76.5%	628	614	-14	-2.2%
77.8%	615	597	-18	-2.9%
79.0%	612	586	-26	-4.3%
80.2%	612	585	-27	-4.4%
81.5%	598	582	-16	-2.7%
82.7%	586	579	-7	-1.2%
84.0%	573	579	6	1.1%
85.2%	572	578	6	1.0%
86.4%	565	547	-18	-3.2%
87.7%	562	540	-22	-3.9%
88.9%	555	522	-34	-6.1%
90.1%	538	517	-20	-3.8%
91.4%	535	515	-20	-3.7%
92.6%	527	510	-17	-3.3%
93.8%	497	493	-5	-0.9%
95.1%	496	491	-5	-1.0%
96.3%	494	483	-12	-2.4%
97.5%	487	477	-10	-2.0%
98.8%	361	375	14	3.9%
100.0%	243	321	77	31.8%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	972	972	0	0.0%
13.6%	972	972	0	0.0%
14.8%	972	972	0	0.0%
16.0%	972	972	0	0.0%
17.3%	972	972	0	0.0%
18.5%	972	972	0	0.0%
19.8%	972	972	0	0.0%
21.0%	972	972	0	0.0%
22.2%	972	972	0	0.0%
23.5%	972	972	0	0.0%
24.7%	967	972	5	0.5%
25.9%	956	972	16	1.7%
27.2%	955	972	17	1.8%
28.4%	938	959	21	2.2%
29.6%	928	959	30	3.3%
30.9%	922	956	33	3.6%
32.1%	920	953	33	3.6%
33.3%	917	947	30	3.3%
34.6%	915	911	-4	-0.5%
35.8%	914	907	-7	-0.8%
37.0%	903	901	-1	-0.1%
38.3%	868	865	-3	-0.4%
39.5%	866	856	-10	-1.1%
40.7%	852	850	-2	-0.2%
42.0%	845	841	-4	-0.4%
43.2%	842	838	-4	-0.5%
44.4%	840	836	-4	-0.5%
45.7%	833	818	-15	-1.8%
46.9%	829	813	-16	-2.0%
48.1%	818	812	-7	-0.8%
49.4%	818	808	-10	-1.2%
50.6%	795	790	-4	-0.6%
51.9%	791	786	-5	-0.6%
53.1%	788	783	-5	-0.7%
54.3%	787	781	-6	-0.8%
55.6%	785	778	-7	-0.9%
56.8%	772	777	5	0.7%
58.0%	768	769	2	0.2%
59.3%	759	764	5	0.6%
60.5%	757	747	-10	-1.3%
61.7%	756	745	-11	-1.5%
63.0%	739	739	0	0.0%
64.2%	734	738	4	0.6%
65.4%	732	734	2	0.2%
66.7%	722	733	11	1.5%
67.9%	722	733	11	1.5%
69.1%	710	732	22	3.2%
70.4%	710	717	7	0.9%
71.6%	710	714	4	0.6%
72.8%	709	709	0	0.0%
74.1%	706	692	-14	-2.0%
75.3%	703	679	-24	-3.5%
76.5%	688	676	-12	-1.8%
77.8%	681	675	-6	-0.9%
79.0%	680	674	-6	-0.9%
80.2%	667	648	-19	-2.8%
81.5%	667	647	-19	-2.8%
82.7%	650	643	-8	-1.2%
84.0%	645	628	-18	-2.8%
85.2%	632	605	-27	-4.3%
86.4%	626	599	-27	-4.3%
87.7%	626	591	-34	-5.4%
88.9%	599	567	-32	-5.4%
90.1%	592	562	-30	-5.0%
91.4%	591	551	-41	-6.9%
92.6%	555	543	-12	-2.1%
93.8%	538	528	-10	-1.9%
95.1%	536	500	-36	-6.8%
96.3%	523	499	-24	-4.6%
97.5%	487	485	-36	-6.8%
98.8%	352	469	117	33.1%
100.0%	250	377	27	7.7%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	960	972	12	1.3%
4.9%	959	960	1	0.1%
6.2%	959	958	0	-0.1%
7.4%	927	928	2	0.2%
8.6%	927	927	0	0.0%
9.9%	910	925	15	1.7%
11.1%	907	906	0	-0.1%
12.3%	905	905	0	0.0%
13.6%	902	893	-9	-1.0%
14.8%	892	887	-5	-0.5%
16.0%	890	885	-5	-0.6%
17.3%	888	883	-4	-0.5%
18.5%	871	870	-2	-0.2%
19.8%	857	849	-8	-0.9%
21.0%	849	845	-4	-0.4%
22.2%	845	841	-3	-0.4%
23.5%	841	838	-3	-0.4%
24.7%	841	837	-3	-0.4%
25.9%	835	834	-1	-0.1%
27.2%	832	833	2	0.2%
28.4%	827	828	1	0.2%
29.6%	825	811	-3	-0.3%
30.9%	823	816	-7	-0.9%
32.1%	816	812	-4	-0.5%
33.3%	807	812	5	0.7%
34.6%	803	806	3	0.4%
35.8%	800	804	4	0.5%
37.0%	778	782	4	0.5%
38.3%	777	782	5	0.6%
39.5%	760	773	13	1.7%
40.7%	760	747	-13	-1.7%
42.0%	745	739	-7	-0.9%
43.2%	742	736	-7	-0.9%
44.4%	733	719	-15	-2.0%
45.7%	726	710	-16	-2.2%
46.9%	725	710	-15	-2.0%
48.1%	718	710	-9	-1.2%
49.4%	710	705	-5	-0.7%
50.6%	705	688	-17	-2.5%
51.9%	694	683	-11	-1.6%
53.1%	691	676	-16	-2.3%
54.3%	680	675	-6	-0.9%
55.6%	673	672	0	0.0%
56.8%	667	672	6	0.9%
58.0%	666	666	1	0.1%
59.3%	663	663	0	0.0%
60.5%	660	661	1	0.1%
61.7%	658	643	-16	-2.4%
63.0%	658	642	-16	-2.4%
64.2%	637	637	-12	-1.8%
65.4%	643	636	-7	-1.2%
66.7%	640	634	-6	-0.9%
67.9%	638	634	-4	-0.6%
69.1%	628	617	-11	-1.8%
70.4%	624	616	-7	-1.2%
71.6%	622	616	-6	-0.9%
72.8%	611	615	4	0.6%
74.1%	595	614	19	3.1%
75.3%	591	613	21	3.6%
76.5%	586	594	8	1.4%
77.8%	586	590	5	0.8%
79.0%	584	576	-8	-1.4%
80.2%	582	574	-8	-1.4%
81.5%	581	562	-19	-3.3%
82.7%	578	545	-33	-5.6%
84.0%	569	533	-36	-6.3%
85.2%	566	527	-40	-7.0%
86.4%	554	522	-32	-5.7%
87.7%	552	522	-30	-5.5%
88.9%	550	520	-30	-5.5%
90.1%	542	505	-36	-6.7%
91.4%	535	485	-50	-9.3%
92.6%	495	484	-11	-2.3%
93.8%	475	478	3	0.6%
95.1%	473	452	-22	-4.8%
96.3%	457	449	-8	-1.8%
97.5%	443	436	-7	-1.6%
98.8%	324	433	109	33.8%
100.0%	280	308	28	10.0%

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	945	942	-3	-0.3%
1.2%	944	941	-3	-0.3%
2.5%	931	928	-4	-0.4%
3.7%	916	908	-8	-0.9%
4.9%	871	869	-2	-0.2%
6.2%	858	867	9	1.1%
7.4%	843	843	0	0.0%
8.6%	801	782	-19	-2.4%
9.9%	777	772	-5	-0.3%
11.1%	762	777	15	1.9%
12.3%	757	771	14	1.9%
13.6%	750	749	-1	-0.1%
14.8%	743	715	-29	-3.8%
16.0%	734	706	-28	-3.8%
17.3%	717	704	-14	-1.9%
18.5%	681	665	-17	-2.4%
19.8%	676	651	-25	-3.7%
21.0%	661	632	-29	-4.4%
22.2%	648			

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

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	946	849	-97	-10.2%
1.2%	851	847	-4	-0.5%
2.5%	838	833	-5	-0.6%
3.7%	829	826	-3	-0.4%
4.9%	767	752	-15	-2.0%
6.2%	750	748	-2	-0.3%
7.4%	698	699	1	0.1%
8.6%	686	679	-7	-1.0%
9.9%	676	679	3	0.5%
11.1%	657	672	16	2.4%
12.3%	614	614	0	0.0%
13.6%	612	600	-12	-1.9%
14.8%	609	550	-58	-9.6%
16.0%	603	540	-63	-10.5%
17.3%	601	520	-81	-13.4%
18.5%	539	518	-21	-3.9%
19.8%	522	477	-45	-8.6%
21.0%	494	481	-13	-2.6%
22.2%	488	465	-23	-4.8%
23.5%	483	460	-24	-4.9%
24.7%	463	443	-20	-4.4%
25.9%	454	436	-19	-4.1%
27.2%	447	417	-30	-6.6%
28.4%	436	415	-21	-4.8%
29.6%	428	392	-37	-8.5%
30.9%	410	386	-24	-5.8%
32.1%	405	378	-27	-6.7%
33.3%	400	368	-32	-8.0%
34.6%	399	363	-36	-9.0%
35.8%	393	361	-32	-8.1%
37.0%	392	359	-33	-8.5%
38.3%	381	344	-37	-9.5%
39.5%	375	338	-37	-9.9%
40.7%	375	337	-38	-10.1%
42.0%	369	336	-33	-9.3%
43.2%	361	334	-27	-7.7%
44.4%	353	333	-20	-5.7%
45.7%	352	330	-23	-6.4%
46.9%	346	329	-18	-5.1%
48.1%	341	329	-13	-3.8%
49.4%	335	323	-12	-3.5%
50.6%	329	318	-11	-3.3%
51.9%	326	311	-15	-4.7%
53.1%	321	310	-11	-3.5%
54.3%	320	307	-12	-3.9%
55.6%	319	305	-14	-4.4%
56.8%	319	300	-19	-6.0%
58.0%	316	296	-20	-6.5%
59.3%	312	287	-25	-8.1%
60.5%	304	272	-32	-10.6%
61.7%	304	263	-41	-13.5%
63.0%	290	256	-34	-11.8%
64.2%	287	256	-31	-10.8%
65.4%	283	249	-34	-12.1%
66.7%	272	242	-30	-10.9%
67.9%	267	238	-29	-10.8%
69.1%	263	237	-26	-10.0%
70.4%	262	231	-31	-11.9%
71.6%	261	230	-32	-12.2%
72.8%	258	227	-30	-11.8%
74.1%	243	227	-16	-6.6%
75.3%	240	219	-21	-8.8%
76.5%	233	219	-14	-5.9%
77.8%	228	218	-9	-4.1%
79.0%	226	216	-10	-4.6%
80.2%	225	212	-13	-5.9%
81.5%	221	211	-10	-4.5%
82.7%	213	211	-3	-1.2%
84.0%	211	198	-13	-6.3%
85.2%	200	196	-4	-1.8%
86.4%	192	189	-3	-1.4%
87.7%	192	178	-14	-7.3%
88.9%	185	174	-11	-6.0%
90.1%	181	172	-9	-5.2%
91.4%	169	165	-3	-1.9%
92.6%	166	159	-7	-4.1%
93.8%	164	158	-6	-3.5%
95.1%	162	143	-18	-11.4%
96.3%	139	131	-8	-6.1%
97.5%	116	123	7	6.0%
98.8%	111	106	-5	-4.2%
100.0%	90	40	-50	-33.4%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	795	699	-97	-12.1%
1.2%	701	696	-4	-0.6%
2.5%	678	675	-2	-0.4%
3.7%	633	625	-8	-1.2%
4.9%	632	613	-19	-2.9%
6.2%	567	579	12	2.2%
7.4%	559	570	11	1.9%
8.6%	493	463	-30	-6.1%
9.9%	463	411	-51	-11.0%
11.1%	424	411	-13	-3.1%
12.3%	422	400	-22	-5.2%
13.6%	418	390	-28	-6.7%
14.8%	409	388	-21	-5.2%
16.0%	404	388	-16	-3.9%
17.3%	386	387	1	0.2%
18.5%	375	368	-8	-2.0%
19.8%	372	364	-9	-2.4%
21.0%	355	327	-28	-7.9%
22.2%	347	325	-22	-6.3%
23.5%	330	311	-19	-5.9%
24.7%	326	290	-36	-11.1%
25.9%	325	305	-20	-6.2%
27.2%	306	276	-31	-10.0%
28.4%	306	264	-41	-13.4%
29.6%	281	263	-17	-6.2%
30.9%	269	263	-6	-2.4%
32.1%	266	259	-7	-2.6%
33.3%	259	256	-4	-1.5%
34.6%	252	231	-22	-8.6%
35.8%	249	230	-19	-7.7%
37.0%	246	227	-19	-7.8%
38.3%	245	224	-22	-8.8%
39.5%	243	212	-31	-12.7%
40.7%	242	210	-31	-12.9%
42.0%	228	209	-19	-8.2%
43.2%	224	203	-21	-9.5%
44.4%	212	201	-11	-5.2%
45.7%	207	200	-8	-3.6%
46.9%	201	196	-5	-2.6%
48.1%	200	195	-5	-2.5%
49.4%	197	188	-8	-4.3%
50.6%	194	176	-18	-9.4%
51.9%	191	175	-16	-8.5%
53.1%	191	165	-26	-13.7%
54.3%	191	163	-28	-14.6%
55.6%	190	155	-34	-18.1%
56.8%	177	155	-22	-12.5%
58.0%	174	155	-19	-11.2%
59.3%	173	153	-20	-11.4%
60.5%	170	152	-18	-10.5%
61.7%	168	151	-17	-10.0%
63.0%	161	150	-11	-6.8%
64.2%	157	147	-10	-6.2%
65.4%	156	142	-13	-8.6%
66.7%	155	142	-13	-8.4%
67.9%	154	137	-16	-10.7%
69.1%	135	136	1	0.9%
70.4%	135	132	-2	-1.6%
71.6%	134	130	-4	-2.9%
72.8%	132	128	-4	-2.8%
74.1%	127	119	-8	-6.5%
75.3%	125	116	-9	-7.4%
76.5%	124	110	-13	-10.8%
77.8%	120	108	-12	-10.2%
79.0%	118	105	-13	-11.0%
80.2%	117	107	-10	-8.7%
81.5%	113	104	-9	-8.1%
82.7%	111	101	-9	-8.4%
84.0%	108	95	-13	-12.1%
85.2%	107	91	-16	-14.6%
86.4%	106	90	-16	-15.0%
87.7%	98	87	-10	-10.7%
88.9%	93	85	-8	-8.7%
90.1%	90	84	-6	-6.7%
91.4%	90	76	-14	-16.0%
92.6%	90	74	-16	-17.3%
93.8%	90	72	-17	-19.5%
95.1%	88	67	-21	-23.7%
96.3%	62	45	-17	-26.9%
97.5%	46	45	-1	-2.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	663	684	21	3.1%
1.2%	663	590	-73	-11.1%
2.5%	592	564	-28	-4.7%
3.7%	503	515	12	2.4%
4.9%	494	496	3	0.5%
6.2%	435	488	53	12.1%
7.4%	414	426	11	2.7%
8.6%	382	415	33	8.5%
9.9%	355	414	59	16.7%
11.1%	353	395	42	11.9%
12.3%	294	271	-23	-7.9%
13.6%	284	264	-20	-7.2%
14.8%	266	257	-9	-3.5%
16.0%	252	256	4	1.6%
17.3%	243	249	6	2.5%
18.5%	226	246	20	8.8%
19.8%	220	235	15	6.7%
21.0%	213	211	-1	-0.7%
22.2%	208	208	0	0.0%
23.5%	180	204	24	13.6%
24.7%	179	202	23	12.6%
25.9%	178	195	17	9.6%
27.2%	177	191	15	8.2%
28.4%	172	190	18	10.6%
29.6%	162	173	11	6.7%
30.9%	158	171	13	8.0%
32.1%	156	165	9	5.8%
33.3%	152	156	4	2.7%
34.6%	149	149	0	-0.2%
35.8%	144	139	-5	-3.4%
37.0%	142	137	-5	-3.3%
38.3%	141	132	-9	-6.4%
39.5%	139	131	-8	-5.9%
40.7%	136	129	-7	-5.2%
42.0%	132	129	-3	-2.1%
43.2%	132	116	-16	-12.1%
44.4%	128	122	-5	-4.1%
45.7%	123	118	-5	-4.3%
46.9%	122	118	-4	-3.3%
48.1%	115	114	-1	-0.9%
49.4%	113	113	0	0.0%
50.6%	108	107	-1	-1.1%
51.9%	99	107	9	8.7%
53.1%	97	103	6	6.7%
54.3%	95	103	8	8.0%
55.6%	95	95	0	0.1%
56.8%	92	94	3	3.4%
58.0%	91	94	3	3.4%
59.3%	91	92	1	1.0%
60.5%	90	90	0	0.0%
61.7%	90	90	0	0.0%
63.0%	90	85	-5	-5.5%
64.2%	83	84	2	1.9%
66.7%	79	75	-4	-4.9%
67.9%	78	75	-4	-4.6%
69.1%	78	74	-4	-5.3%
70.4%	75	74	-2	-2.6%
71.6%	74	71	-3	-3.5%
72.8%	71	62	-9	-12.9%
74.1%	68	59	-9	-13.7%
75.3%	65	59	-7	-10.3%
76.5%	64	58	-5	-8.1%
77.8%	61	58	-3	-4.9%
79.0%	57	55	-2	-3.6%
80.2%	53	54	1	1.6%
81.5%	52	50	-2	-4.0%
82.7%	48	50	3	5.7%
84.0%	47	47	0	0.0%
85.2%	45	45	0	0.0%
86.4%	45	45	0	0.0%
87.7%	45	45	0	0.0%
88.9%	45	45	0	0.0%
90.1%	45	45	0	0.0%
91.4%	45	45	0	0.0%
92.6%	45	45	0	0.0%
93.8%	45	45	0	0.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	725	821	97	13.4%
1.2%	697	626	-72	-10.3%
2.5%	559	615	56	10.0%
3.7%	483	515	32	6.7%
4.9%	475	510	35	7.5%
6.2%	450	500	51	11.3%
7.4%	448	495	47	10.5%
8.6%	440	431	-8	-1.9%
9.9%	418	430	12	2.9%
11.1%	399	408	8	2.1%
12.3%	305	328	23	7.4%
13.6%	302	324	23	7.6%
14.8%	282	313	32	11.3%
16.0%	275	287	12	4.5%
17.3%	269	285	16	6.0%
18.5%	240	269	30	12.4%
19.8%	229	265	36	15.7%
21.0%	228	265	37	16.1%
22.2%	200	257	57	28.3%
23.5%				

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

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	311	310	408	554	685	805	717	548	385	387	332	342
DCR 2015 With Project	315	320	424	571	700	812	716	538	368	371	323	338
Difference	3	10	16	17	14	7	0	-10	-17	-16	-9	-4
Percent Difference <sup>2</sup>	1.0%	3.3%	4.0%	3.0%	2.1%	0.8%	-0.1%	-1.8%	-4.4%	-4.1%	-2.8%	-1.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	439	337	458	610	767	923	803	592	458	470	473	509
DCR 2015 With Project	410	309	430	610	762	914	796	585	452	462	465	477
Difference	-29	-27	-29	0	-5	-9	-7	-6	-6	-8	-8	-32
Percent Difference	-6.6%	-8.2%	-6.3%	0.0%	-0.6%	-1.0%	-0.8%	-1.0%	-1.2%	-1.6%	-1.8%	-6.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	365	327	440	589	699	815	693	476	304	314	332	392
DCR 2015 With Project	359	328	439	603	712	832	708	486	310	312	329	383
Difference	-6	1	-1	14	13	17	15	10	6	-2	-3	-8
Percent Difference	-1.6%	0.2%	-0.1%	2.4%	1.9%	2.1%	2.2%	2.1%	1.9%	-0.7%	-1.0%	-2.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	389	480	579	492	627	763	660	473	275	322	346	364
DCR 2015 With Project	413	508	624	508	640	758	651	457	264	309	328	376
Difference	24	29	45	16	13	-5	-9	-16	-12	-13	-18	12
Percent Difference	6.2%	6.0%	7.9%	3.3%	2.0%	-0.6%	-1.4%	-3.4%	-4.2%	-4.2%	-5.1%	3.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	188	256	315	559	676	768	711	588	410	427	255	221
DCR 2015 With Project	222	300	379	590	697	780	696	547	344	379	234	236
Difference	35	44	64	30	22	11	-15	-41	-65	-48	-22	15
Percent Difference	18.4%	17.3%	20.2%	5.4%	3.3%	1.5%	-2.2%	-7.0%	-16.0%	-11.2%	-8.4%	7.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	77	116	207	463	577	641	629	552	401	298	125	88
DCR 2015 With Project	87	145	233	498	624	679	659	569	403	295	137	100
Difference	10	29	26	35	47	37	30	17	2	-3	12	12
Percent Difference	12.8%	25.0%	12.6%	7.5%	8.1%	5.8%	4.7%	3.1%	0.4%	-1.1%	9.6%	13.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



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

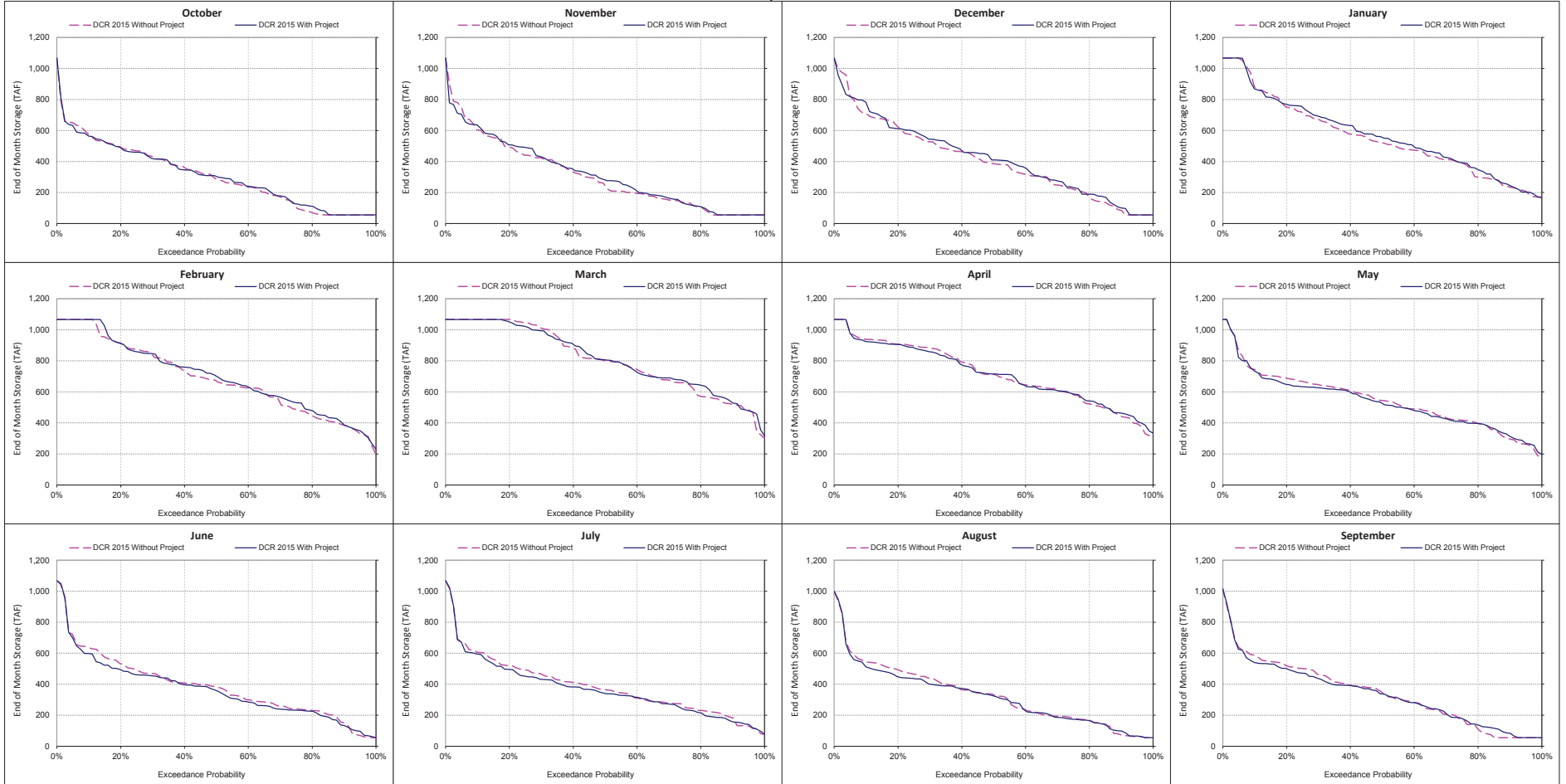


Table SW-45-b  
San Luis Reservoir (SWP), End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	792	810	18	2.3%
2.5%	657	660	3	0.4%
3.7%	655	640	-15	-2.3%
4.9%	650	633	-17	-2.6%
6.2%	634	590	-44	-7.0%
7.4%	628	585	-43	-6.9%
8.6%	601	582	-19	-3.2%
9.9%	574	564	-10	-2.0%
11.1%	555	561	7	1.2%
12.3%	536	545	10	1.8%
13.6%	532	542	10	1.8%
14.8%	524	529	5	1.0%
16.0%	519	514	-5	-1.0%
17.3%	513	510	-4	-0.7%
18.5%	499	498	-1	-0.2%
19.8%	495	492	-3	-0.6%
21.0%	480	472	-8	-1.7%
22.2%	479	464	-15	-3.1%
23.5%	475	461	-14	-2.9%
24.7%	469	460	-9	-1.9%
25.9%	468	460	-8	-1.6%
27.2%	462	455	-7	-1.3%
28.4%	439	436	-3	-0.8%
29.6%	435	421	-14	-3.2%
30.9%	418	416	-2	-0.5%
32.1%	417	416	-2	-0.4%
33.3%	411	415	4	0.9%
34.6%	399	409	11	2.7%
35.8%	390	383	-7	-1.8%
37.0%	376	378	2	0.6%
38.3%	371	349	-22	-5.9%
39.5%	368	347	-21	-5.8%
40.7%	351	346	-6	-1.6%
42.0%	346	345	-1	-0.2%
43.2%	343	334	-9	-2.7%
44.4%	332	317	-15	-4.6%
45.7%	320	312	-8	-2.6%
46.9%	319	309	-10	-3.2%
48.1%	317	309	-8	-2.6%
49.4%	293	308	16	5.4%
50.6%	279	299	20	7.2%
51.9%	276	296	20	7.2%
53.1%	263	291	28	10.5%
54.3%	261	288	27	10.4%
55.6%	257	287	30	11.7%
56.8%	252	285	33	13.0%
58.0%	247	263	17	6.7%
59.3%	236	243	7	3.2%
60.5%	235	239	4	1.5%
61.7%	232	236	4	1.8%
63.0%	226	231	6	2.4%
64.2%	204	231	27	13.4%
65.4%	200	227	27	13.3%
66.7%	187	208	21	11.1%
67.9%	182	187	6	3.2%
69.1%	179	179	0	0.0%
70.4%	167	178	11	6.4%
71.6%	155	173	17	11.1%
72.8%	150	151	1	0.7%
74.1%	137	129	-8	-5.6%
75.3%	97	126	29	30.1%
76.5%	89	120	31	34.4%
77.8%	82	118	36	44.4%
79.0%	79	114	35	44.5%
80.2%	68	110	43	62.9%
81.5%	62	96	34	54.6%
82.7%	58	84	26	45.0%
84.0%	55	81	25	45.6%
85.2%	55	57	2	4.0%
86.4%	55	55	0	0.0%
87.7%	55	55	0	0.0%
88.9%	55	55	0	0.0%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	894	779	-116	-12.9%
2.5%	789	767	-21	-2.7%
3.7%	780	742	-38	-4.9%
4.9%	752	705	-47	-6.3%
6.2%	675	655	-20	-2.9%
7.4%	672	641	-31	-4.5%
8.6%	644	639	-5	-0.8%
9.9%	604	624	20	3.3%
11.1%	601	612	12	1.9%
12.3%	566	584	18	3.2%
13.6%	563	578	15	2.7%
14.8%	555	576	22	3.9%
16.0%	551	562	12	2.2%
17.3%	548	531	-17	-3.1%
18.5%	498	527	28	5.7%
19.8%	493	508	15	3.0%
21.0%	488	506	17	3.6%
22.2%	479	498	20	4.2%
23.5%	455	495	40	8.8%
24.7%	441	493	52	11.7%
25.9%	441	487	46	10.6%
27.2%	432	484	52	12.0%
28.4%	425	437	12	2.8%
29.6%	425	433	8	1.9%
30.9%	416	424	8	1.9%
32.1%	412	409	-3	-0.8%
33.3%	410	394	-16	-4.0%
34.6%	396	392	-4	-1.4%
35.8%	373	381	8	2.2%
37.0%	369	367	-2	-0.7%
38.3%	349	357	7	2.1%
39.5%	336	356	20	6.0%
40.7%	325	339	14	4.2%
42.0%	321	338	17	5.3%
43.2%	300	333	33	11.0%
44.4%	299	324	25	8.3%
45.7%	294	313	19	6.3%
46.9%	291	312	21	7.4%
48.1%	264	294	30	11.3%
49.4%	252	285	32	12.6%
50.6%	224	277	53	23.6%
51.9%	210	276	66	31.6%
53.1%	209	275	67	31.9%
54.3%	209	272	63	30.4%
55.6%	208	253	45	21.6%
56.8%	201	248	47	23.1%
58.0%	207	236	30	14.5%
59.3%	198	222	24	12.3%
60.5%	193	202	9	4.4%
61.7%	192	198	6	3.1%
63.0%	183	194	11	5.7%
64.2%	177	186	9	4.9%
65.4%	175	183	9	4.9%
66.7%	161	180	20	12.2%
67.9%	160	177	17	10.3%
69.1%	155	168	13	8.5%
70.4%	151	162	11	7.5%
71.6%	149	156	7	4.7%
72.8%	148	155	7	4.9%
74.1%	139	134	-4	-3.1%
75.3%	133	126	-7	-5.2%
76.5%	132	121	-11	-8.3%
77.8%	115	115	0	-0.1%
79.0%	107	112	5	4.5%
80.2%	105	107	2	2.1%
81.5%	85	96	11	13.4%
82.7%	69	78	9	12.5%
84.0%	55	74	19	33.7%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	55	55	0	0.0%
88.9%	55	55	0	0.0%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	986	957	-30	-3.0%
2.5%	974	893	-81	-8.3%
3.7%	958	833	-126	-13.1%
4.9%	819	819	0	0.0%
6.2%	799	705	-94	-11.8%
7.4%	742	798	56	7.5%
8.6%	718	707	-11	-1.5%
9.9%	712	784	71	10.0%
11.1%	691	722	31	4.5%
12.3%	683	713	29	4.3%
13.6%	677	707	30	4.4%
14.8%	677	690	13	2.0%
16.0%	669	679	10	1.5%
17.3%	666	619	-47	-7.1%
18.5%	656	615	-41	-6.2%
19.8%	628	611	-17	-2.7%
21.0%	604	610	6	1.1%
22.2%	604	604	0	0.0%
23.5%	576	601	25	4.3%
24.7%	568	598	30	5.2%
25.9%	560	586	26	4.6%
27.2%	549	573	24	4.5%
28.4%	528	560	32	6.1%
29.6%	528	544	17	3.1%
30.9%	527	544	17	3.1%
32.1%	507	539	32	6.3%
33.3%	489	535	46	9.5%
34.6%	484	534	50	10.4%
35.8%	481	512	32	6.8%
37.0%	471	498	27	5.8%
38.3%	466	490	25	5.3%
39.5%	465	481	15	3.3%
40.7%	460	459	-1	-0.1%
42.0%	457	458	1	0.2%
43.2%	444	457	14	3.1%
44.4%	424	456	33	7.7%
45.7%	414	452	38	9.1%
46.9%	396	451	55	13.8%
48.1%	394	445	51	12.8%
49.4%	387	410	22	5.7%
50.6%	384	410	25	6.6%
51.9%	381	408	28	7.3%
53.1%	380	406	26	6.9%
54.3%	379	405	26	6.9%
55.6%	348	384	45	13.0%
56.8%	334	380	47	14.0%
58.0%	328	370	43	13.1%
59.3%	320	365	45	14.0%
60.5%	319	352	34	10.5%
61.7%	307	325	18	5.9%
63.0%	307	309	2	0.6%
64.2%	306	306	-1	-0.3%
65.4%	305	299	-7	-2.2%
66.7%	300	293	-7	-2.4%
67.9%	261	281	20	7.8%
69.1%	249	281	31	12.6%
70.4%	248	274	26	10.4%
71.6%	242	267	26	10.6%
72.8%	228	237	9	3.9%
74.1%	227	237	10	4.2%
75.3%	219	231	12	5.2%
76.5%	210	225	15	6.9%
77.8%	205	190	-15	-7.4%
79.0%	197	189	-8	-3.9%
80.2%	162	188	27	16.5%
81.5%	150	188	38	25.7%
82.7%	143	178	35	24.5%
84.0%	142	175	33	23.1%
85.2%	134	169	35	26.3%
86.4%	118	138	20	16.7%
87.7%	113	122	9	8.0%
88.9%	91	107	17	18.3%
90.1%	84	100	16	19.1%
91.4%	55	86	31	55.5%
92.6%	55	57	2	3.6%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

Percent Exceedance Probability (%)	January			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,051	1,067	16	1.5%
7.4%	1,014	984	-20	-2.0%
8.6%	973	915	-58	-6.0%
9.9%	883	870	-13	-1.5%
11.1%	863	860	-3	-0.3%
12.3%	858	856	-2	-0.3%
13.6%	844	816	-28	-3.3%
14.8%	841	815	-26	-3.1%
16.0%	821	808	-13	-1.6%
17.3%	813	795	-18	-2.3%
18.5%	776	777	1	0.1%
19.8%	752	770	18	2.5%</

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

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,067	1,067	0	0.0%	
1.2%	1,067	1,067	0	0.0%	
2.5%	1,067	1,067	0	0.0%	
3.7%	1,067	1,067	0	0.0%	
4.9%	1,067	1,067	0	0.0%	
6.2%	1,067	1,067	0	0.0%	
7.4%	1,067	1,067	0	0.0%	
8.6%	1,067	1,067	0	0.0%	
9.9%	1,067	1,067	0	0.0%	
11.1%	1,067	1,067	0	0.0%	
12.3%	1,034	1,067	33	3.2%	
13.6%	958	1,067	109	11.4%	
14.8%	955	1,029	73	7.7%	
16.0%	942	961	19	2.0%	
17.3%	934	931	-3	-0.4%	
18.5%	922	920	-2	-0.2%	
19.8%	911	916	5	0.5%	
21.0%	906	904	-1	-0.1%	
22.2%	892	874	-8	-0.9%	
23.5%	877	866	-11	-1.3%	
24.7%	876	860	-17	-1.9%	
25.9%	869	855	-14	-1.6%	
27.2%	860	848	-12	-1.4%	
28.4%	860	848	-13	-1.5%	
29.6%	841	847	6	0.7%	
30.9%	820	842	22	2.6%	
32.1%	819	800	-20	-2.4%	
33.3%	818	786	-32	-3.9%	
34.6%	793	782	-11	-1.4%	
35.8%	791	775	-16	-2.0%	
37.0%	765	774	9	1.1%	
38.3%	761	762	1	0.1%	
39.5%	740	761	21	2.8%	
40.7%	723	758	35	4.8%	
42.0%	703	745	52	7.4%	
43.2%	703	745	42	6.0%	
44.4%	697	744	47	6.8%	
45.7%	693	737	44	6.3%	
46.9%	685	721	36	5.2%	
48.1%	678	720	42	6.2%	
49.4%	677	709	32	4.7%	
50.6%	662	693	32	4.8%	
51.9%	655	677	22	3.3%	
53.1%	645	668	23	3.5%	
54.3%	644	662	18	2.7%	
55.6%	644	659	15	2.3%	
56.8%	633	650	17	2.7%	
58.0%	630	642	12	1.9%	
59.3%	626	638	12	1.9%	
60.5%	625	627	2	0.3%	
61.7%	624	607	-17	-2.8%	
63.0%	624	604	-20	-3.2%	
64.2%	614	591	-23	-3.8%	
65.4%	587	583	-4	-0.7%	
66.7%	567	576	9	1.6%	
67.9%	567	576	10	1.7%	
69.1%	562	570	8	1.4%	
70.4%	513	563	50	9.7%	
71.6%	511	553	43	8.4%	
72.8%	505	543	37	7.4%	
74.1%	489	534	45	9.1%	
75.3%	488	529	41	8.3%	
76.5%	477	529	52	10.9%	
77.8%	474	490	17	3.5%	
79.0%	456	484	28	6.2%	
80.2%	445	478	33	7.5%	
81.5%	430	456	25	5.9%	
82.7%	424	450	27	6.3%	
84.0%	422	449	26	6.2%	
85.2%	411	434	23	5.5%	
86.4%	406	431	25	6.2%	
87.7%	405	428	23	5.6%	
88.9%	392	409	18	4.5%	
90.1%	383	385	2	0.5%	
91.4%	378	374	-3	-0.8%	
92.6%	363	366	4	1.0%	
93.8%	350	357	7	2.0%	
95.1%	329	350	21	6.3%	
96.3%	322	329	7	2.1%	
97.5%	303	312	9	2.9%	
98.8%	249	265	16	6.2%	
100.0%	196	230	34	17.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,067	1,067	0	0.0%	
1.2%	1,067	1,067	0	0.0%	
2.5%	1,067	1,067	0	0.0%	
3.7%	1,067	1,067	0	0.0%	
4.9%	1,067	1,067	0	0.0%	
6.2%	1,067	1,067	0	0.0%	
7.4%	1,067	1,067	0	0.0%	
8.6%	1,067	1,067	0	0.0%	
9.9%	1,067	1,067	0	0.0%	
11.1%	1,067	1,067	0	0.0%	
12.3%	1,067	1,067	0	0.0%	
13.6%	1,067	1,067	0	0.0%	
14.8%	1,067	1,067	0	0.0%	
16.0%	1,067	1,067	0	0.0%	
17.3%	1,067	1,067	0	0.0%	
18.5%	1,067	1,060	-7	-0.7%	
19.8%	1,067	1,053	-14	-1.3%	
21.0%	1,067	1,043	-24	-2.2%	
22.2%	1,053	1,029	-24	-2.3%	
23.5%	1,051	1,026	-25	-2.4%	
24.7%	1,045	1,023	-22	-2.1%	
25.9%	1,044	1,015	-28	-2.7%	
27.2%	1,033	1,000	-32	-3.1%	
28.4%	1,031	999	-32	-3.1%	
29.6%	1,013	995	-18	-1.7%	
30.9%	1,005	993	-12	-1.2%	
32.1%	1,002	966	-36	-3.6%	
33.3%	984	957	-27	-2.7%	
34.6%	964	940	-24	-2.5%	
35.8%	942	935	-7	-0.8%	
37.0%	894	924	29	3.3%	
38.3%	893	917	24	2.7%	
39.5%	884	913	29	3.3%	
40.7%	875	895	20	2.3%	
42.0%	822	70	8.6%		
43.2%	820	47	8.6%		
44.4%	816	845	29	3.5%	
45.7%	816	835	20	2.4%	
46.9%	814	814	0	-0.1%	
48.1%	813	808	-4	-0.6%	
49.4%	803	807	4	0.5%	
50.6%	800	805	5	0.6%	
51.9%	796	803	7	0.9%	
53.1%	794	793	-1	-0.1%	
54.3%	792	792	0	0.1%	
55.6%	776	780	4	0.5%	
56.8%	771	769	-2	-0.3%	
58.0%	757	756	-2	-0.2%	
59.3%	753	737	-15	-2.0%	
60.5%	739	721	-17	-2.3%	
61.7%	725	710	-16	-2.2%	
63.0%	722	705	-17	-2.3%	
64.2%	705	698	-7	-0.9%	
65.4%	698	696	-2	-0.3%	
66.7%	691	692	1	0.2%	
67.9%	678	690	12	1.7%	
69.1%	678	690	12	1.7%	
70.4%	675	689	15	2.2%	
71.6%	662	681	19	2.9%	
72.8%	660	679	19	2.8%	
74.1%	659	677	18	2.7%	
75.3%	657	668	11	1.6%	
76.5%	644	650	6	1.0%	
77.8%	617	650	33	5.3%	
79.0%	578	648	70	12.1%	
80.2%	570	642	73	12.8%	
81.5%	567	634	67	11.8%	
82.7%	566	613	47	8.3%	
84.0%	557	576	19	3.4%	
85.2%	556	572	17	3.0%	
86.4%	537	566	29	5.4%	
87.7%	527	561	34	6.5%	
88.9%	524	546	22	4.1%	
90.1%	518	528	10	2.0%	
91.4%	514	525	10	2.0%	
92.6%	511	489	-22	-4.3%	
93.8%	485	480	-5	-1.0%	
95.1%	483	478	-5	-1.0%	
96.3%	468	471	5	1.1%	
97.5%	345	457	111	32.2%	
98.8%	323	354	32	9.8%	
100.0%	301	316	15	5.1%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,067	1,067	0	0.0%	
1.2%	1,067	1,067	0	0.0%	
2.5%	1,067	1,067	0	0.0%	
3.7%	1,067	1,067	0	0.0%	
4.9%	979	980	0	0.0%	
6.2%	966	944	-21	-2.2%	
7.4%	951	938	-13	-1.4%	
8.6%	944	934	-10	-1.1%	
9.9%	939	925	-14	-1.5%	
11.1%	938	923	-15	-1.6%	
12.3%	937	921	-16	-1.7%	
13.6%	934	918	-16	-1.7%	
14.8%	933	915	-18	-1.9%	
16.0%	932	913	-19	-2.1%	
17.3%	911	907	-4	-0.4%	
18.5%	910	907	-3	-0.3%	
19.8%	907	905	-2	-0.2%	
21.0%	907	905	-2	-0.3%	
22.2%	906	895	-11	-1.2%	
23.5%	901	888	-13	-1.5%	
24.7%	898	887	-11	-1.2%	
25.9%	896	877	-20	-2.2%	
27.2%	888	871	-17	-1.9%	
28.4%	868	868	-22	-2.4%	
29.6%	886	859	-28	-3.1%	
30.9%	862	856	-7	-0.8%	
32.1%	876	850	-27	-3.0%	
33.3%	865	835	-30	-3.5%	
34.6%	852	833	-19	-2.2%	
35.8%	837	817	-21	-2.5%	
37.0%	824	813	-11	-1.3%	
38.3%	823	808	-15	-1.8%	
39.5%	795	779	-16	-2.0%	
40.7%	788	768	-21	-2.6%	
42.0%	763	763	-20	-2.6%	
43.2%	772	755	-17	-2.2%	
44.4%	739	728	-11	-1.5%	
45.7%	724	735	0	0.0%	
46.9%	714	723	8	1.1%	
48.1%	713	718	6	0.8%	
49.4%	712	716	4	0.6%	
50.6%	711	715	5	0.7%	
51.9%	695	713	18	2.5%	
53.1%	693	713	19	2.8%	
54.3%	679	711	32	4.7%	
55.6%	677	711	33	4.9%	
56.8%	658	697	39	5.9%	
58.0%	655	654	-1	-0.2%	
59.3%	647	646	-1	-0.2%	
60.5%	643	634	-9	-1.4%	
61.7%	641	632	-9	-1.4%	
63.0%	637	631	-6	-0.9%	
64.2%	617	617	-17	-2.6%	
65.4%	630	616	-15	-2.3%	
66.7%	624	615	-9	-1.4%	
67.9%	621	615	-6	-1.0%	
69.1%	621	613	-8	-1.3%	
70.4%	604	606	2	0.2%	
71.6%	603	605	2	0.4%	
72.8%	596	602	6	1.0%	
74.1%	590	590	0	0.0%	
75.3%	579	585	6	1.0%	
76.5%	577	582	6	1.0%	
77.8%	542	560	18	3.4%	
79.0%	525	542	17	3.3%	
80.2%	522	541	19	3.6%	
81.5%	510	538	28	5.6%	
82.7%	510	522	12	2.3%	
84.0%	501	520	18	3.6%	
85.2%	492	498	6	1.3%	
86.4%	487	492	5	0.9%	
87.7%	467	466	-1	-0.2%	
88.9%	455	465	11	2.3%	
90.1%	440	462	21	4.9%	
91.4%	436	457	21	4.9%	
92.6%	431	449	18	4.3%	
93.8%	399	440	41	10.3%	



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

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	0	0	0.0%
1.2%	1,042	1,048	5	0.5%
2.5%	959	960	1	0.1%
3.7%	736	736	0	0.0%
4.9%	720	699	-22	-3.0%
6.2%	655	646	-8	-1.2%
7.4%	646	626	-19	-3.0%
8.6%	644	598	-46	-7.2%
9.9%	635	598	-38	-5.9%
11.1%	628	595	-34	-5.4%
12.3%	625	546	-79	-12.6%
13.6%	602	538	-63	-10.5%
14.8%	576	523	-53	-9.2%
16.0%	564	523	-41	-7.3%
17.3%	559	502	-57	-10.2%
18.5%	554	502	-53	-9.5%
19.8%	533	495	-38	-7.1%
21.0%	527	483	-44	-8.4%
22.2%	505	482	-23	-4.6%
23.5%	502	468	-34	-6.8%
24.7%	495	460	-35	-7.0%
25.9%	482	460	-23	-4.7%
27.2%	472	459	-12	-2.6%
28.4%	471	458	-12	-2.6%
29.6%	469	455	-15	-3.2%
30.9%	468	452	-16	-3.4%
32.1%	451	444	-7	-1.6%
33.3%	441	441	0	0.1%
34.6%	429	441	12	2.9%
35.8%	416	423	7	1.6%
37.0%	413	422	9	2.2%
38.3%	411	404	-6	-1.6%
39.5%	408	398	-10	-2.4%
40.7%	406	394	-12	-2.8%
42.0%	406	384	-11	-2.8%
43.2%	405	388	-17	-4.1%
44.4%	398	387	-11	-2.7%
45.7%	397	386	-11	-2.7%
46.9%	396	385	-11	-2.9%
48.1%	389	372	-16	-4.2%
49.4%	385	364	-20	-5.2%
50.6%	379	354	-25	-6.6%
51.9%	372	340	-33	-8.8%
53.1%	358	324	-34	-9.6%
54.3%	330	310	-19	-5.9%
55.6%	328	308	-20	-6.2%
56.8%	325	303	-22	-6.7%
58.0%	317	291	-27	-8.4%
59.3%	300	289	-12	-3.9%
60.5%	299	284	-15	-5.1%
61.7%	291	279	-11	-3.9%
63.0%	289	263	-26	-9.0%
64.2%	287	262	-25	-8.6%
65.4%	285	260	-25	-8.7%
66.7%	284	257	-27	-9.4%
67.9%	274	246	-28	-10.2%
69.1%	261	241	-20	-7.5%
70.4%	260	239	-20	-7.8%
71.6%	256	238	-18	-7.0%
72.8%	244	233	-11	-4.4%
74.1%	241	233	-9	-3.5%
75.3%	241	232	-9	-3.5%
76.5%	237	231	-6	-2.5%
77.8%	236	228	-7	-3.2%
79.0%	234	227	-7	-2.9%
80.2%	230	224	-6	-2.6%
81.5%	230	213	-17	-7.3%
82.7%	226	197	-29	-12.7%
84.0%	213	192	-21	-10.1%
85.2%	203	187	-16	-7.8%
86.4%	202	172	-30	-14.8%
87.7%	188	168	-20	-10.4%
88.9%	157	138	-19	-12.3%
90.1%	149	133	-16	-10.7%
91.4%	130	120	-10	-7.3%
92.6%	82	107	26	31.7%
93.8%	75	100	25	33.3%
95.1%	69	96	27	39.3%
96.3%	61	70	10	16.0%
97.5%	68	88	10	16.7%
98.8%	55	8	8	14.3%
100.0%	55	55	0	0.0%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,016	1,024	8	0.8%
2.5%	906	908	2	0.2%
3.7%	685	693	7	1.1%
4.9%	670	669	0	-0.1%
6.2%	661	608	-53	-8.0%
7.4%	622	605	-17	-2.7%
8.6%	621	602	-18	-2.9%
9.9%	606	594	-12	-2.0%
11.1%	604	591	-14	-2.3%
12.3%	601	563	-38	-6.4%
13.6%	574	546	-28	-4.8%
14.8%	562	533	-29	-5.2%
16.0%	552	517	-35	-6.4%
17.3%	527	516	-11	-2.1%
18.5%	523	498	-26	-4.9%
19.8%	519	495	-24	-4.7%
21.0%	518	494	-25	-4.7%
22.2%	505	476	-30	-5.9%
23.5%	497	456	-41	-8.2%
24.7%	494	452	-42	-8.5%
25.9%	489	448	-41	-8.4%
27.2%	474	447	-27	-5.7%
28.4%	470	443	-27	-5.8%
29.6%	469	432	-37	-7.8%
30.9%	456	430	-26	-5.7%
32.1%	448	429	-19	-4.2%
33.3%	447	428	-19	-4.3%
34.6%	429	410	-19	-4.4%
35.8%	427	402	-25	-5.9%
37.0%	417	393	-24	-5.8%
38.3%	415	384	-32	-7.6%
39.5%	413	382	-30	-7.3%
40.7%	410	382	-28	-6.9%
42.0%	406	382	-24	-6.0%
43.2%	388	368	-30	-7.6%
44.4%	395	366	-29	-7.3%
45.7%	386	366	-20	-5.2%
46.9%	378	359	-18	-4.9%
48.1%	369	349	-20	-5.5%
49.4%	366	343	-24	-6.5%
50.6%	363	339	-24	-6.6%
51.9%	361	339	-22	-6.2%
53.1%	351	335	-16	-4.5%
54.3%	345	330	-16	-4.5%
55.6%	344	328	-16	-4.5%
56.8%	340	327	-13	-3.9%
58.0%	329	324	-5	-1.6%
59.3%	313	318	5	1.5%
60.5%	310	314	4	1.4%
61.7%	299	306	7	2.4%
63.0%	296	303	7	2.4%
64.2%	291	292	1	0.5%
65.4%	287	287	0	0.0%
66.7%	286	287	1	0.2%
67.9%	285	274	-11	-3.8%
69.1%	279	274	-5	-1.8%
70.4%	279	272	-7	-2.5%
71.6%	275	269	-6	-2.0%
72.8%	275	257	-18	-6.4%
74.1%	273	244	-28	-10.4%
75.3%	248	234	-14	-5.6%
76.5%	246	232	-14	-5.8%
77.8%	244	228	-16	-6.7%
79.0%	231	219	-13	-5.6%
80.2%	231	216	-16	-6.7%
81.5%	227	197	-31	-13.5%
82.7%	222	192	-30	-13.4%
84.0%	210	189	-21	-10.1%
85.2%	217	186	-31	-14.2%
86.4%	211	186	-25	-11.9%
87.7%	198	180	-18	-9.2%
88.9%	190	167	-23	-12.1%
90.1%	182	157	-26	-13.9%
91.4%	133	154	21	15.5%
92.6%	133	152	19	14.4%
93.8%	133	142	10	7.4%
95.1%	130	141	11	8.6%
96.3%	115	119	5	3.9%
97.5%	114	111	-3	-2.8%
98.8%	81	96	15	19.0%
100.0%	77	78	2	2.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	999	999	0	0.0%
1.2%	947	947	0	0.0%
2.5%	857	859	2	0.3%
3.7%	672	660	-12	-1.7%
4.9%	613	593	-21	-3.4%
6.2%	591	559	-32	-5.5%
7.4%	565	551	-15	-2.6%
8.6%	557	544	-12	-2.2%
9.9%	545	512	-33	-6.1%
11.1%	541	505	-36	-6.7%
12.3%	539	484	-40	-7.6%
13.6%	536	490	-46	-8.5%
14.8%	524	484	-40	-7.6%
16.0%	514	479	-34	-6.7%
17.3%	506	474	-32	-6.2%
18.5%	502	465	-37	-7.3%
19.8%	495	448	-47	-9.4%
21.0%	484	442	-42	-8.8%
22.2%	478	441	-37	-7.6%
23.5%	472	439	-32	-6.8%
24.7%	466	437	-29	-6.2%
25.9%	462	434	-28	-6.0%
27.2%	450	433	-17	-3.8%
28.4%	450	419	-31	-6.8%
29.6%	439	401	-38	-8.6%
30.9%	439	397	-41	-9.4%
32.1%	423	395	-28	-6.6%
33.3%	408	391	-17	-4.2%
34.6%	402	389	-12	-3.1%
35.8%	397	389	-7	-1.9%
37.0%	392	388	-4	-1.1%
38.3%	389	378	-11	-2.8%
39.5%	367	375	8	2.1%
40.7%	363	371	8	2.3%
42.0%	367	5	1.4%	0.4%
43.2%	367	351	-16	-4.3%
44.4%	345	348	3	1.0%
45.7%	343	345	2	0.6%
46.9%	338	33	-3	-0.8%
48.1%	338	335	-3	-1.0%
49.4%	328	328	0	0.0%
50.6%	325	321	-3	-1.0%
51.9%	322	311	-12	-3.6%
53.1%	321	304	-17	-5.2%
54.3%	307	300	-7	-2.4%
55.6%	267	282	14	5.4%
56.8%	252	290	28	11.1%
58.0%	243	277	34	14.0%
59.3%	242	239	-3	-1.2%
60.5%	229	222	-7	-2.9%
61.7%	226	218	-8	-3.3%
63.0%	221	217	-4	-1.7%
64.2%	212	216	4	2.1%
65.4%	203	214	11	5.3%
66.7%	198	210	12	6.2%
67.9%	197	203	6	3.1%
69.1%	194	187	-7	-3.5%
70.4%	194	186	-8	-3.9%
71.6%	193	183	-10	-5.3%
72.8%	190	179	-11	-5.9%
74.1%	186	174	-12	-6.2%
75.3%	183	174	-9	-5.2%
76.5%	174	172	-2	-1.3%
77.8%	174	169	-5	-2.8%
79.0%	170	219	49	28.8%
80.2%	167	163	-4	-2.3%
81.5%	153	151	-2	-1.1%
82.7%	151	149	-2	-1.4%
84.0%	150	145	-5	-3.2%
85.2%	134	146	12	8.9%
86.4%	128	112	-16	-12.7%
87.7%	83	103	20	23.5%
88.9%	80	101	20	25.3%
90.1%	72	86	14	19.4%
91.4%	68	81	13	19.1%
92.6%	67	66	-2	-2.4%
93.8%	63	56	-7	-11.1%
95.1%	62	65	3	4.8%
96.3%	62	62	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,016	1,016	0	0.0%
1.2%	909	922	13	1.4%
2.5%	806	809	3	0.4%
3.7%	694	686	-8	-1.2%
4.9%	638	625	-12	-1.9%
6.2%	621	618	-3	-0.5%
7.4%	611	571	-40	-6.5%
8.6%	591	554	-38	-6.4%
9.9%	587	541	-47	-7.9%
11.1%	573	535	-38	-6.6%
12.3%	553	534	-20	-3.5%
13.6%	551	533	-18	-3.2%
14.8%	546	531	-16	-2.8%
16.0%	544	529	-15	-2.7%
17.3%	541	512	-29	-5.3%
18.5%	537	503	-35	-6.5%
19.8%	521	5		

# **Regional Deliveries**

## **2015**

---

SWP Deliveries

DCR 2015 Without Project  
1-State Water Project (SWP) Allocations  
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period <sup>1</sup>	63%	63%	96%
Water Year Types <sup>2</sup>			
Wet	84%	84%	100%
Above Normal	75%	75%	100%
Below Normal	64%	64%	100%
Dry	48%	48%	100%
Critical	28%	28%	75%

<sup>1</sup> Based on the 82-year simulation period  
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

DCR 2015 Without Project  
2-State Water Project (SWP) Delivery Operations  
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period <sup>1</sup>	2,499	82	57
Water Year Types <sup>2</sup>			
Wet	3,269	106	82
Above Normal	2,957	70	112
Below Normal	2,593	99	44
Dry	1,939	64	20
Critical	1,140	46	23

<sup>1</sup> Based on the 82-year simulation period  
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

DCR 2015 Without Project  
3-State Water Project (SWP) Contract Deliveries  
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period <sup>1</sup>	653	1,984	2,638
Water Year Types <sup>2</sup>			
Wet	889	2,567	3,456
Above Normal	805	2,334	3,140
Below Normal	663	2,074	2,737
Dry	462	1,560	2,023
Critical	275	934	1,209

<sup>1</sup> Based on the 82-year simulation period  
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

DCR 2015 Without Project  
4-State Water Project (SWP) Contract Deliveries  
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period <sup>1</sup>	947
Water Year Types <sup>2</sup>	
Wet	975
Above Normal	983
Below Normal	980
Dry	986
Critical	757

<sup>1</sup> Based on the 82-year simulation period  
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

DCR 2015 Without Project  
5-State Water Project (SWP) Contract Deliveries  
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period <sup>1</sup>	31	4	212	43	641	83	275	8	1,340
Water Year Types <sup>2</sup>									
Wet	37	5	274	59	874	112	362	11	1,723
Above Normal	36	4	253	52	791	100	324	10	1,569
Below Normal	34	4	222	45	651	85	285	8	1,403
Dry	27	3	164	32	454	61	212	6	1,065
Critical	16	1	97	18	271	36	126	3	640

<sup>1</sup> Based on the 82-year simulation period  
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

With Project deliveries and allocation to SWP would be similar to Without Project

**CVP Deliveries - Without Project (DCR 2015)**  
 DCR 2015 Without Project  
 1-Central Valley Project (CVP) Allocation  
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period <sup>1</sup>	61%	50%	86%	80%	97%	97%	97%
Water Year Types <sup>2</sup>							
Wet	93%	78%	99%	94%	100%	100%	100%
Above Normal	85%	62%	97%	86%	100%	100%	100%
Below Normal	56%	42%	85%	77%	100%	100%	100%
Dry	38%	33%	78%	74%	99%	99%	99%
Critical	13%	13%	61%	61%	83%	85%	83%

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 Without Project  
 2-Central Valley Project (CVP) Contract Deliveries  
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period <sup>1</sup>	1,172	498	1,669	2,792	565
Water Year Types <sup>2</sup>					
Wet	1,809	513	2,322	2,805	590
Above Normal	1,484	509	1,993	2,819	586
Below Normal	1,015	486	1,501	2,852	587
Dry	772	494	1,266	2,841	567
Critical	287	472	759	2,597	462

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 Without Project  
 3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period <sup>1</sup>	432	0
Water Year Types <sup>2</sup>		
Wet	453	0
Above Normal	449	0
Below Normal	450	0
Dry	432	0
Critical	348	0

period

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

DCR 2015 Without Project  
4-Central Valley Project (CVP) Contract Deliveries  
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
<b>Long-term</b>									
Full Simulation Period <sup>1</sup>	216	202	1,940	302	16	852	37	280	617
<b>Water Year Types<sup>2</sup></b>									
Wet	324	227	1,930	472	19	875	58	268	954
Above Normal	301	227	1,944	373	17	875	46	265	764
Below Normal	198	203	1,977	254	15	874	31	268	532
Dry	135	185	1,977	199	15	864	24	294	413
Critical	46	148	1,856	76	12	741	9	312	156

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 Without Project  
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)  
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
<b>Long-term</b>						
Full Simulation Period <sup>1</sup>	159	0	261	0	12	0
<b>Water Year Types<sup>2</sup></b>						
Wet	172	0	269	0	12	0
Above Normal	168	0	269	0	12	0
Below Normal	170	0	268	0	12	0
Dry	155	0	265	0	12	0
Critical	114	0	224	0	10	0

<sup>1</sup> Based on the 82-year simulation period

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

**CVP Deliveries - With Project**  
 DCR 2015 With Project  
 1-Central Valley Project (CVP) Allocation  
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
<b>Long-term</b>							
Full Simulation Period <sup>1</sup>	62%	50%	86%	81%	97%	97%	97%
<b>Water Year Types<sup>2</sup></b>							
Wet	93%	78%	99%	94%	100%	100%	100%
Above Normal	87%	61%	97%	86%	100%	100%	100%
Below Normal	57%	43%	85%	77%	100%	100%	100%
Dry	39%	34%	79%	75%	99%	99%	99%
Critical	13%	13%	61%	61%	83%	85%	83%

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 With Project  
 2-Central Valley Project (CVP) Contract Deliveries  
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
<b>Long-term</b>					
Full Simulation Period <sup>1</sup>	1,176	497	1,673	2,794	571
<b>Water Year Types<sup>2</sup></b>					
Wet	1,803	513	2,316	2,805	593
Above Normal	1,486	509	1,995	2,821	590
Below Normal	1,033	485	1,518	2,852	595
Dry	787	494	1,281	2,839	577
Critical	284	471	755	2,609	469

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 With Project  
 3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
<b>Long-term</b>		
Full Simulation Period <sup>1</sup>	438	37
<b>Water Year Types<sup>2</sup></b>		
Wet	456	59
Above Normal	452	48
Below Normal	457	30
Dry	442	24
Critical	355	5

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 With Project  
4-Central Valley Project (CVP) Contract Deliveries  
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
<b>Long-term</b>									
Full Simulation Period <sup>1</sup>	219	201	1,941	303	16	852	37	280	617
<b>Water Year Types<sup>2</sup></b>									
Wet	323	226	1,930	473	19	875	58	268	949
Above Normal	308	226	1,946	372	17	875	45	266	761
Below Normal	203	202	1,977	259	15	875	32	268	538
Dry	140	184	1,975	202	15	864	25	295	419
Critical	48	147	1,869	77	12	741	9	311	151

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 With Project  
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)  
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
<b>Long-term</b>						
Full Simulation Period <sup>1</sup>	165	1	261	29	12	7
<b>Water Year Types<sup>2</sup></b>						
Wet	175	1	269	48	12	11
Above Normal	171	1	269	38	12	9
Below Normal	177	1	268	24	12	6
Dry	165	0	264	19	12	4
Critical	121	0	223	4	10	1

<sup>1</sup> Based on the 82-year simulation period

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

**CVP Deliveries - Comparison**

Difference: DCR 2015 With Project minus DCR 2015 Without Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period <sup>1</sup>	1%	0%	0%	0%	0%	0%	0%
Water Year Types <sup>2</sup>							
Wet	0%	0%	0%	0%	0%	0%	0%
Above Normal	2%	0%	0%	0%	0%	0%	0%
Below Normal	2%	1%	1%	0%	0%	0%	0%
Dry	1%	0%	1%	1%	0%	0%	0%
Critical	0%	0%	0%	0%	0%	0%	0%

<sup>1</sup> Based on the 82-year simulation period

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

Difference: DCR 2015 With Project minus DCR 2015 Without Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period <sup>1</sup>	4	-1	4	2	6
Water Year Types <sup>2</sup>					
Wet	-5	-1	-6	0	3
Above Normal	3	0	2	2	3
Below Normal	18	-1	17	0	7
Dry	14	0	14	-2	10
Critical	-3	-1	-4	12	7

<sup>1</sup> Based on the 82-year simulation period

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

DCR 2015 Without Project

Difference: DCR 2015 With Project minus DCR 2015 Without Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period <sup>1</sup>	6	37
Water Year Types <sup>2</sup>		
Wet	3	59
Above Normal	3	48
Below Normal	7	30
Dry	10	24
Critical	7	5

period

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



Difference: DCR 2015 With Project minus DCR 2015 Without Project  
 4-Central Valley Project (CVP) Contract Deliveries  
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
<b>Long-term</b>									
Full Simulation Period <sup>1</sup>	3	-1	2	2	0	0	0	0	0
<b>Water Year Types<sup>2</sup></b>									
Wet	-1	-1	0	0	0	0	0	0	-5
Above Normal	7	0	2	-1	0	0	0	0	-3
Below Normal	5	-1	0	5	0	0	1	0	7
Dry	5	-1	-2	3	0	0	0	1	6
Critical	1	-1	12	1	0	0	0	0	-5

<sup>1</sup> Based on the 82-year simulation period

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

Difference: DCR 2015 With Project minus DCR 2015 Without Project  
 5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)  
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
<b>Long-term</b>						
Full Simulation Period <sup>1</sup>	6	1	0	29	0	7
<b>Water Year Types<sup>2</sup></b>						
Wet	3	1	0	48	0	11
Above Normal	3	1	0	38	0	9
Below Normal	7	1	0	24	0	6
Dry	10	0	0	19	0	4
Critical	8	0	-1	4	0	1

<sup>1</sup> Based on the 82-year simulation period

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

**Sites Reservoir Benefits**

Difference: DCR 2015 With Project minus DCR 2015 Without Project

1-Sites Deliveries to Sacramento Valley Members

Long-term Average and Average by Water Year Type

Analysis Period	(Mar-Feb, TAF)
Long-term	
Full Simulation Period <sup>1</sup>	96
<b>Water Year Types<sup>2</sup></b>	
Wet	23
Above Normal	71
Below Normal	127
Dry	162
Critical	146

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Includes Sites delivery to TCCA members, GCID, RD108, County of Colusa, and Western Canal WD

Difference: DCR 2015 With Project minus DCR 2015 Without Project

2-Sites Deliveries to South of Delta Members

Long-term Average and Average by Water Year Type

Analysis Period	M&I (Jan-Dec, TAF)	Ag (Jan-Dec, TAF)	Total (Jan-Dec, TAF)
Long-term			
Full Simulation Period <sup>1</sup>	66	20	86
<b>Water Year Types<sup>2</sup></b>			
Wet	1	0	1
Above Normal	-6	-2	-8
Below Normal	12	4	15
Dry	204	62	266
Critical	129	39	169

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Accounts for 18% deduction for carriage water for Delta Export

**Sites Reservoir Project Operations**  
Summary Tables, Bar Charts,  
Exceedance Probability Charts and  
Tables

---

Table OP-01-a  
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	112	6	0	0	2	13	153	412	758	821	669	151
DCR 2015 With Project	103	101	759	1,123	1,242	1,027	395	465	652	605	561	84
Difference	-9	95	759	1,123	1,239	1,014	242	53	-105	-216	-108	-67
Percent Difference <sup>2</sup>	-8.0%							12.9%	-13.9%	-26.3%	-16.2%	-44.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	146	7	0	0	0	10	162	613	1,083	1,209	959	227
DCR 2015 With Project	143	93	836	1,066	1,065	800	314	703	1,076	1,071	908	107
Difference	-3	86	836	1,066	1,065	790	152	90	-7	-139	-51	-121
Percent Difference	-1.8%						94.0%	14.7%	-0.6%	-11.5%	-5.3%	-53.1%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	116	4	0	0	0	6	196	579	1,055	1,134	885	206
DCR 2015 With Project	108	188	1,573	1,725	1,656	1,420	816	757	785	541	591	48
Difference	-8	184	1,573	1,725	1,656	1,414	619	178	-270	-592	-294	-158
Percent Difference	-6.6%						30.7%	-25.6%	-52.3%	-33.2%	-76.6%	
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	103	4	0	0	1	23	161	352	648	708	558	99
DCR 2015 With Project	81	87	606	1,483	1,181	1,388	491	390	526	401	357	85
Difference	-22	82	606	1,483	1,180	1,365	331	37	-123	-308	-201	-14
Percent Difference	-21.6%						10.6%	-18.9%	-43.4%	-36.0%	-13.9%	
<b>Dry (22%)</b>												
DCR 2015 Without Project	97	6	0	0	4	12	149	233	508	491	400	99
DCR 2015 With Project	84	118	471	883	1,368	1,121	346	185	323	350	326	85
Difference	-12	112	471	883	1,364	1,110	198	-48	-185	-141	-74	-14
Percent Difference	-12.9%						133.0%	-20.6%	-36.3%	-28.8%	-18.5%	-14.2%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	66	11	0	0	6	16	89	148	258	296	359	71
DCR 2015 With Project	63	23	388	584	1,091	565	112	165	243	283	369	71
Difference	-3	12	388	584	1,084	548	23	17	-15	-13	10	0
Percent Difference	-4.4%						25.4%	11.3%	-6.0%	-4.5%	2.7%	0.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure OP-01-b  
 Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion  
 Probability of Exceedance

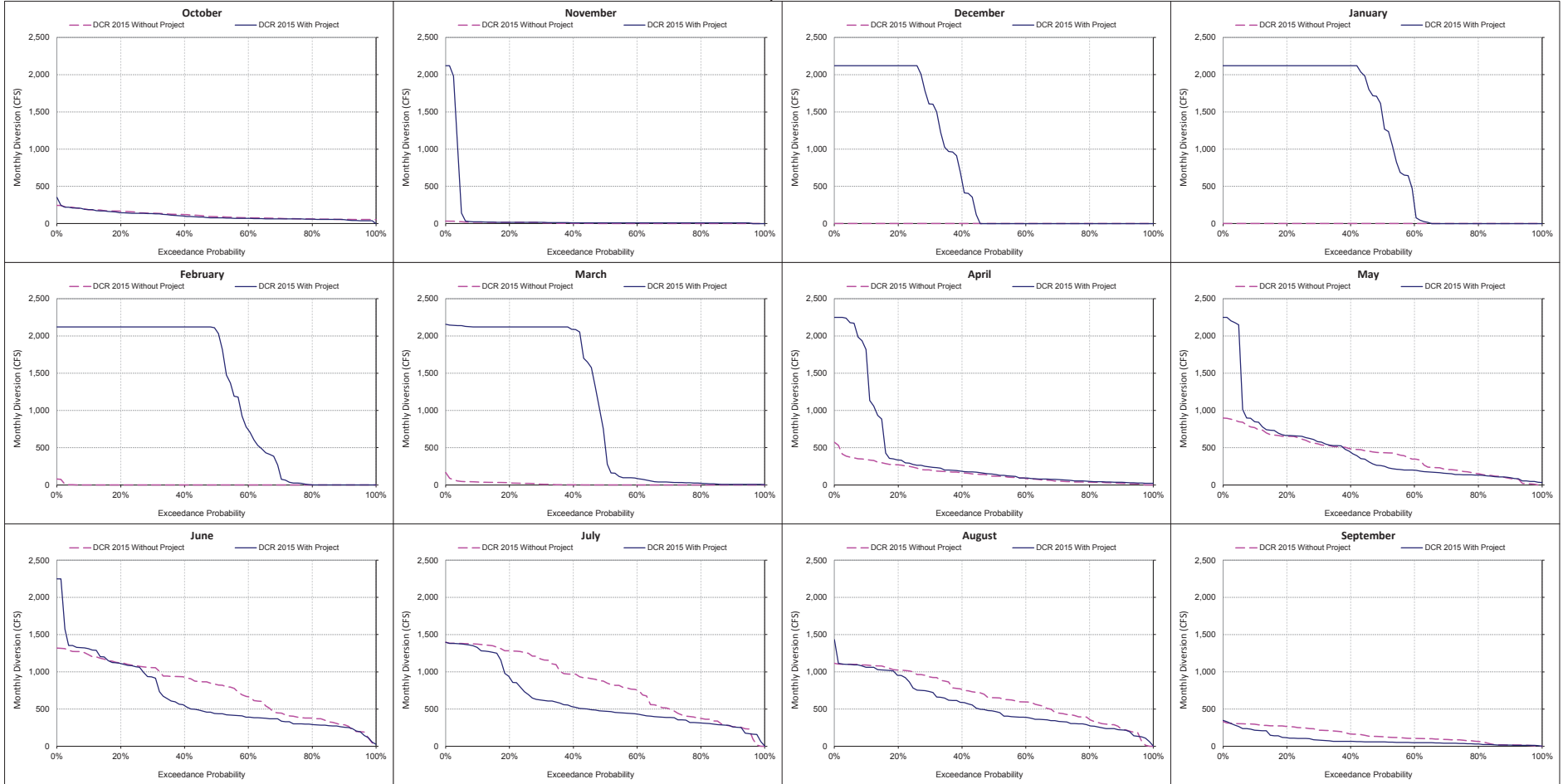


Table OP-01-b  
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	244	352	108	44.2%	
1.2%	243	243	0	0.0%	
2.5%	225	220	-5	-2.2%	
3.7%	220	218	-2	-0.9%	
4.9%	218	208	-10	-4.4%	
6.2%	208	208	0	0.0%	
7.4%	207	207	0	0.0%	
8.6%	196	191	-5	-2.7%	
9.9%	187	186	0	-0.2%	
11.1%	184	186	2	1.0%	
12.3%	182	173	-10	-5.2%	
13.6%	182	171	-11	-6.2%	
14.8%	172	168	-4	-2.5%	
16.0%	170	164	-7	-4.0%	
17.3%	169	158	-11	-6.2%	
18.5%	169	154	-15	-8.7%	
19.8%	167	146	-21	-12.6%	
21.0%	163	144	-19	-11.7%	
22.2%	161	141	-21	-12.9%	
23.5%	158	138	-20	-12.5%	
24.7%	155	138	-17	-11.0%	
25.9%	144	136	-8	-5.3%	
27.2%	143	136	-7	-4.8%	
28.4%	140	132	-7	-5.1%	
29.6%	139	132	-7	-5.0%	
30.9%	139	129	-10	-6.9%	
32.1%	136	129	-7	-5.4%	
33.3%	133	123	-10	-7.5%	
34.6%	129	121	-8	-6.2%	
35.8%	125	114	-11	-8.6%	
37.0%	124	109	-15	-12.4%	
38.3%	124	104	-19	-15.6%	
39.5%	121	102	-19	-15.6%	
40.7%	120	94	-27	-22.2%	
42.0%	114	90	-24	-21.3%	
43.2%	113	90	-24	-20.9%	
44.4%	108	88	-21	-19.2%	
45.7%	104	86	-19	-17.8%	
46.9%	97	81	-16	-16.4%	
48.1%	94	78	-16	-17.1%	
49.4%	93	76	-17	-18.5%	
50.6%	92	76	-16	-17.4%	
51.9%	91	76	-16	-17.4%	
53.1%	88	75	-13	-14.7%	
54.3%	86	74	-11	-13.3%	
55.6%	81	71	-10	-12.0%	
56.8%	81	70	-11	-13.3%	
58.0%	79	70	-9	-11.5%	
59.3%	78	70	-8	-10.3%	
60.5%	76	69	-8	-10.1%	
61.7%	76	67	-10	-12.5%	
63.0%	76	66	-10	-13.2%	
64.2%	74	65	-9	-12.6%	
65.4%	73	64	-9	-12.5%	
66.7%	72	63	-9	-11.9%	
67.9%	71	63	-8	-11.5%	
69.1%	70	63	-7	-10.5%	
70.4%	68	63	-5	-7.6%	
71.6%	65	62	-3	-4.6%	
72.8%	65	62	-3	-4.6%	
74.1%	65	61	-4	-5.8%	
75.3%	64	61	-3	-5.1%	
76.5%	63	61	-3	-4.0%	
77.8%	63	61	-3	-4.4%	
79.0%	63	59	-4	-6.9%	
80.2%	61	59	-2	-3.1%	
81.5%	61	56	-4	-6.9%	
82.7%	59	56	-3	-4.6%	
84.0%	59	55	-3	-5.5%	
85.2%	59	55	-3	-5.9%	
86.4%	58	54	-4	-6.2%	
87.7%	56	54	-2	-3.9%	
88.9%	56	54	-2	-3.8%	
90.1%	56	53	-3	-5.9%	
91.4%	56	46	-10	-18.1%	
92.6%	55	42	-14	-24.5%	
93.8%	54	40	-14	-25.8%	
95.1%	54	39	-15	-28.0%	
96.3%	54	38	-16	-29.2%	
97.5%	54	38	-16	-29.4%	
98.8%	54	36	-18	-33.3%	
100.0%	54	0	-54	-100.0%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	33	2,121	2,088		
1.2%	32	2,121	2,089		
2.5%	31	1,982	1,951		
3.7%	26	1,059	1,033		
4.9%	25	140	116	470.1%	
6.2%	19	33	7	72.8%	
7.4%	19	26	7	39.3%	
8.6%	18	24	6	33.8%	
9.9%	18	23	6	31.5%	
11.1%	18	23	5	30.3%	
12.3%	18	18	1	4.9%	
13.6%	17	18	1	7.5%	
14.8%	17	18	1	6.2%	
16.0%	17	18	1	4.5%	
17.3%	17	18	1	3.6%	
18.5%	17	17	0	0.0%	
19.8%	17	17	0	0.0%	
21.0%	17	17	0	0.0%	
22.2%	17	17	0	0.0%	
23.5%	17	17	0	0.0%	
24.7%	17	17	0	0.0%	
25.9%	17	17	0	0.0%	
27.2%	17	17	0	0.0%	
28.4%	17	17	0	-0.2%	
29.6%	9	17	8	94.7%	
30.9%	8	15	7	80.4%	
32.1%	7	12	5	76.8%	
33.3%	6	12	6	88.0%	
34.6%	4	12	8	217.5%	
35.8%	4	11	8	217.0%	
37.0%	3	11	8	278.7%	
38.3%	3	11	8	296.9%	
39.5%	3	11	8	321.2%	
40.7%	2	11	8	367.2%	
42.0%	2	10	8	433.9%	
43.2%	2	10	8	436.3%	
44.4%	1	10	9	646.1%	
45.7%	1	10	9	734.2%	
46.9%	0	10	9		
48.1%	0	9	9		
49.4%	0	8	8		
50.6%	0	8	8		
51.9%	0	8	8		
53.1%	0	8	8		
54.3%	0	8	8		
55.6%	0	8	8		
56.8%	0	8	8		
58.0%	0	8	8		
59.3%	0	8	8		
60.5%	0	8	8		
61.7%	0	8	8		
63.0%	0	8	8		
64.2%	0	8	8		
65.4%	0	8	8		
66.7%	0	8	8		
67.9%	0	8	8		
69.1%	0	8	8		
70.4%	0	8	8		
71.6%	0	8	8		
72.8%	0	8	8		
74.1%	0	8	8		
75.3%	0	8	8		
76.5%	0	8	8		
77.8%	0	8	8		
79.0%	0	8	8		
80.2%	0	8	8		
81.5%	0	8	8		
82.7%	0	8	8		
84.0%	0	8	8		
85.2%	0	8	8		
86.4%	0	8	8		
87.7%	0	8	8		
88.9%	0	8	8		
90.1%	0	8	8		
91.4%	0	8	8		
92.6%	0	8	8		
93.8%	0	8	8		
95.1%	0	8	8		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	0	2,121	2,121		
1.2%	0	2,121	2,121		
2.5%	0	2,121	2,121		
3.7%	0	2,121	2,121		
4.9%	0	2,121	2,121		
6.2%	0	2,121	2,121		
7.4%	0	2,121	2,121		
8.6%	0	2,121	2,121		
9.9%	0	2,121	2,121		
11.1%	0	2,121	2,121		
12.3%	0	2,121	2,121		
13.6%	0	2,121	2,121		
14.8%	0	2,121	2,121		
16.0%	0	2,121	2,121		
17.3%	0	2,121	2,121		
18.5%	0	2,121	2,121		
19.8%	0	2,121	2,121		
21.0%	0	2,121	2,121		
22.2%	0	2,121	2,121		
23.5%	0	2,121	2,121		
24.7%	0	2,121	2,121		
25.9%	0	2,121	2,121		
27.2%	0	2,008	2,008		
28.4%	0	1,781	1,781		
29.6%	0	1,608	1,608		
30.9%	0	1,602	1,602		
32.1%	0	1,500	1,500		
33.3%	0	1,227	1,227		
34.6%	0	1,027	1,027		
35.8%	0	968	968		
37.0%	0	963	963		
38.3%	0	911	911		
39.5%	0	691	691		
40.7%	0	411	411		
42.0%	0	404	404		
43.2%	0	356	356		
44.4%	0	119	119		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

January					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	0	2,121	2,121		
1.2%	0	2,121	2,121		
2.5%	0	2,121	2,121		
3.7%	0	2,121	2,121		
4.9%	0	2,121	2,121		
6.2%	0	2,121	2,121		
7.4%	0	2,121	2,121		
8.6%	0	2,121	2,121		
9.9%	0	2,121	2,121		
11.1%	0	2,121	2,121		
12.3%	0	2,121	2,121		
13.6%	0	2,121	2,121		
14.8%	0	2,121	2,121		
16.0%	0	2,121	2,121		
17.3%	0	2,121	2,121		

Table OP-01-b  
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,121	2,042	
1.2%	75	2,121	2,046	
2.5%	11	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	3	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.8%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,054	
43.2%	0	2,121	1,702	
44.4%	0	2,121	1,212	
45.7%	0	2,121	1,576	
46.9%	0	2,121	1,311	
48.1%	0	2,121	1,034	
49.4%	0	2,112	754	
50.6%	0	2,031	2,031	
51.9%	0	1,815	1,815	
53.1%	0	1,475	1,475	
54.3%	0	1,370	1,370	
55.6%	0	1,190	1,190	
56.8%	0	1,180	1,180	
58.0%	0	926	926	
59.3%	0	780	780	
60.5%	0	707	707	
61.7%	0	602	602	
63.0%	0	530	530	
64.2%	0	484	484	
65.4%	0	433	433	
66.7%	0	410	410	
67.9%	0	385	385	
69.1%	0	268	268	
70.4%	0	75	75	
71.6%	0	65	65	
72.8%	0	36	36	
74.1%	0	26	26	
75.3%	0	25	25	
76.5%	0	20	20	
77.8%	0	11	11	
79.0%	0	3	3	
80.2%	0	2	2	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	166	2,159	1,992	
1.2%	90	2,148	2,058	
2.5%	69	2,143	2,074	
3.7%	52	2,140	2,088	
4.9%	46	2,140	2,093	
6.2%	44	2,130	2,086	
7.4%	43	2,124	2,081	
8.6%	42	2,123	2,081	
9.9%	40	2,123	2,083	
11.1%	36	2,122	2,086	
12.3%	35	2,121	2,086	
13.8%	34	2,121	2,087	
14.8%	34	2,121	2,087	
16.0%	33	2,121	2,088	
17.3%	32	2,121	2,089	
18.5%	31	2,121	2,090	
19.8%	30	2,121	2,091	
21.0%	25	2,121	2,097	
22.2%	23	2,121	2,098	
23.5%	22	2,121	2,100	
24.7%	21	2,121	2,101	
25.9%	20	2,121	2,101	
27.2%	20	2,121	2,102	
28.4%	17	2,121	2,104	
29.6%	10	2,121	2,111	
30.9%	8	2,121	2,113	
32.1%	8	2,121	2,113	
33.3%	5	2,121	2,116	
34.6%	4	2,121	2,118	
35.8%	3	2,121	2,118	
37.0%	2	2,121	2,119	
38.3%	2	2,121	2,119	
39.5%	2	2,091	2,089	
40.7%	1	2,088	2,086	
42.0%	1	2,055	2,054	
43.2%	1	1,702	1,701	
44.4%	1	1,651	1,650	
45.7%	1	1,576	1,576	
46.9%	1	1,311	1,311	
48.1%	0	1,034	1,034	
49.4%	0	754	754	
50.6%	0	278	278	
51.9%	0	159	159	
53.1%	0	157	157	
54.3%	0	115	115	
55.6%	0	97	97	
56.8%	0	95	95	
58.0%	0	94	94	
59.3%	0	93	93	
60.5%	0	82	82	
61.7%	0	77	77	
63.0%	0	64	64	
64.2%	0	52	52	
65.4%	0	45	45	
66.7%	0	41	41	
67.9%	0	39	39	
69.1%	0	38	38	
70.4%	0	35	35	
71.6%	0	33	33	
72.8%	0	32	32	
74.1%	0	31	31	
75.3%	0	30	30	
76.5%	0	29	29	
77.8%	0	25	25	
79.0%	0	25	25	
80.2%	0	23	23	
81.5%	0	20	20	
82.7%	0	16	16	
84.0%	0	13	13	
85.2%	0	10	10	
86.4%	0	9	9	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	5	5	

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	573	2,250	1,677	292.6%
1.2%	332	2,250	1,718	322.8%
2.5%	414	2,250	1,836	443.1%
3.7%	384	2,240	1,854	479.5%
4.9%	374	2,179	1,806	483.3%
6.2%	363	2,170	1,807	498.1%
7.4%	351	1,988	1,637	466.4%
8.6%	349	1,836	1,587	455.1%
9.9%	343	1,818	1,475	429.9%
11.1%	334	1,133	799	239.0%
12.3%	328	1,060	732	223.0%
13.8%	305	935	630	206.6%
14.8%	299	895	587	196.3%
16.0%	286	426	141	49.3%
17.3%	275	358	83	30.1%
18.5%	274	349	74	27.1%
19.8%	270	330	64	23.7%
21.0%	266	334	65	24.3%
22.2%	256	296	41	16.2%
23.5%	249	294	44	17.8%
24.7%	239	274	35	14.7%
25.9%	225	265	40	17.7%
27.2%	206	263	57	27.8%
28.4%	203	251	48	23.8%
29.6%	203	244	42	20.6%
30.9%	194	236	42	21.6%
32.1%	186	230	45	24.0%
33.3%	184	224	40	22.0%
34.6%	180	201	22	12.0%
35.8%	177	200	23	12.9%
37.0%	172	195	23	13.3%
38.3%	172	194	22	12.8%
39.5%	165	184	19	11.5%
40.7%	160	180	20	12.7%
42.0%	151	176	19	12.4%
43.2%	148	174	25	17.0%
44.4%	146	172	26	17.6%
45.7%	141	164	23	16.6%
46.9%	141	157	16	11.4%
48.1%	132	149	17	12.7%
49.4%	118	145	28	23.7%
50.6%	118	141	24	20.1%
51.9%	117	130	13	11.0%
53.1%	116	128	12	10.5%
54.3%	104	121	17	16.2%
55.6%	103	117	15	14.6%
56.8%	100	116	16	15.7%
58.0%	93	94	1	1.4%
59.3%	92	93	1	0.8%
60.5%	82	92	10	12.7%
61.7%	79	87	8	10.4%
63.0%	78	82	4	5.2%
64.2%	72	80	7	10.1%
65.4%	64	78	15	22.9%
66.7%	63	78	14	22.8%
67.9%	61	76	16	25.7%
69.1%	52	76	24	46.1%
70.4%	51	70	19	36.4%
71.6%	47	67	19	40.9%
72.8%	45	66	21	46.5%
74.1%	43	62	19	42.8%
75.3%	40	54	14	33.9%
76.5%	40	53	13	32.8%
77.8%	39	52	13	32.0%
79.0%	37	50	13	33.4%
80.2%	36	47	11	30.2%
81.5%	35	45	10	27.6%
82.7%	35	44	10	28.4%
84.0%	34	44	9	26.4%
85.2%	30	40	10	33.6%
86.4%	29	40	11	39.8%
87.7%	28	37	10	34.7%
88.9%	23	36	13	56.4%
90.1%	22	35	13	61.1%
91.4%	21	33	12	57.8%
92.6%	16	29	13	83.7%
93.8%	15	29	13	86.2%
95.1%	14	27	13	97.0%
96.3%	8	27	19	245.0%
97.5%	1	23	22	2300.0%
98.8%	0	22	22	
100.0%	0	21	21	

Percent Exceedance Probability (%)	May			
	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	898	2,250	1,352	150.5%
1.2%	894	2,250	1,356	151.6%
2.5%	883	2,206	1,323	149.8%
3.7%	868	2,179	1,311	151.0%
4.9%	848	2,151	1,303	153.5%
6.2%	842	1,012	171	20.3%
7.4%	803	857	65	11.9%
8.6%	780	895	116	14.8%
9.9%	770	848	78	10.2%
11.1%	741	842	101	13.6%
12.3%	736	780	44	6.0%
13.8%	698	741	42	6.1%
14.8%	675	736	61	9.0%
16.0%	670	733	63	9.4%
17.3%	665	694	29	4.4%
18.5%	654	675	21	3.2%
19.8%	652	665	13	1.9%
21.0%	652	662	11	1.6%
22.2%	651	659	8	1.2%
23.5%	635	655	21	3.2%
24.7%	615	652	36	5.9%
25.9%	599	635	35	5.9%
27.2%	575	624	49	8.5%
28.4%	563	609	46	8.1%
29.6%	553	583	30	5.4%
30.9%	536	575	38	7.2%
32.1%	529	551		

Table OP-01-b  
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,319	2,250	931	70.8%	
1.2%	1,315	2,250	935	71.1%	
2.5%	1,311	1,574	263	20.0%	
3.7%	1,290	1,354	63	4.9%	
4.9%	1,274	1,353	79	6.2%	
6.2%	1,272	1,328	56	4.4%	
7.4%	1,272	1,325	53	4.2%	
8.6%	1,257	1,321	64	5.1%	
9.9%	1,230	1,311	81	6.6%	
11.1%	1,202	1,293	91	7.6%	
12.3%	1,200	1,290	90	7.5%	
13.6%	1,182	1,202	20	1.7%	
14.8%	1,171	1,200	29	2.5%	
16.0%	1,148	1,148	0	0.0%	
17.3%	1,144	1,127	-17	-1.5%	
18.5%	1,127	1,121	-6	-0.5%	
19.8%	1,121	1,115	-6	-0.5%	
21.0%	1,115	1,100	-15	-1.4%	
22.2%	1,100	1,084	-16	-1.4%	
23.5%	1,089	1,081	-8	-0.7%	
24.7%	1,084	1,067	-17	-1.6%	
25.9%	1,073	1,060	-13	-1.2%	
27.2%	1,066	992	-74	-6.9%	
28.4%	1,060	938	-122	-11.5%	
29.6%	1,057	933	-124	-11.8%	
30.9%	1,055	913	-142	-13.4%	
32.1%	1,008	733	-275	-27.3%	
33.3%	943	674	-269	-28.6%	
34.6%	943	640	-303	-32.1%	
35.8%	938	607	-331	-35.3%	
37.0%	937	597	-341	-36.4%	
38.3%	936	566	-370	-39.5%	
39.5%	933	559	-375	-40.1%	
40.7%	917	525	-392	-42.7%	
42.0%	906	502	-404	-44.6%	
43.2%	896	475	-421	-47.0%	
44.4%	870	486	-384	-44.1%	
45.7%	865	474	-391	-45.2%	
46.9%	865	459	-406	-46.9%	
48.1%	847	457	-391	-46.1%	
49.4%	836	442	-394	-47.2%	
50.6%	821	435	-386	-47.0%	
51.9%	820	435	-384	-46.9%	
53.1%	798	423	-375	-47.0%	
54.3%	796	418	-378	-47.5%	
55.6%	778	415	-362	-46.6%	
56.8%	726	412	-314	-43.2%	
58.0%	691	409	-282	-40.8%	
59.3%	670	391	-279	-41.7%	
60.5%	660	389	-272	-41.2%	
61.7%	614	383	-231	-37.6%	
63.0%	607	382	-225	-37.0%	
64.2%	603	378	-225	-37.4%	
65.4%	541	378	-164	-30.2%	
66.7%	509	370	-139	-27.3%	
67.9%	459	370	-89	-19.5%	
69.1%	449	369	-80	-17.8%	
70.4%	445	338	-107	-24.0%	
71.6%	420	330	-91	-21.6%	
72.8%	408	329	-79	-19.4%	
74.1%	404	302	-101	-25.1%	
75.3%	391	300	-91	-23.3%	
76.5%	384	300	-85	-22.0%	
77.8%	379	298	-81	-21.3%	
79.0%	379	297	-82	-21.5%	
80.2%	377	290	-87	-23.1%	
81.5%	370	285	-84	-22.9%	
82.7%	369	285	-84	-22.9%	
84.0%	350	284	-66	-18.9%	
85.2%	328	276	-52	-15.9%	
86.4%	321	273	-48	-15.1%	
87.7%	306	272	-33	-10.9%	
88.9%	289	263	-26	-9.1%	
90.1%	289	256	-33	-11.3%	
91.4%	268	249	-19	-6.8%	
92.6%	222	237	15	7.0%	
93.8%	197	205	8	4.0%	
95.1%	197	195	-1	-0.5%	
96.3%	191	143	-48	-25.3%	
97.5%	114	116	2	2.1%	
98.8%	47	54	7	14.3%	
100.0%	0	26	26		

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,397	1,397	0	0.0%	
1.2%	1,384	1,383	-1	-0.1%	
2.5%	1,383	1,380	-3	-0.2%	
3.7%	1,382	1,379	-3	-0.2%	
4.9%	1,380	1,375	-5	-0.4%	
6.2%	1,379	1,367	-12	-0.8%	
7.4%	1,378	1,361	-17	-1.2%	
8.6%	1,375	1,350	-25	-1.8%	
9.9%	1,373	1,330	-43	-3.1%	
11.1%	1,367	1,283	-84	-6.2%	
12.3%	1,361	1,278	-82	-6.0%	
13.6%	1,356	1,273	-83	-6.1%	
14.8%	1,350	1,259	-91	-6.7%	
16.0%	1,330	1,249	-81	-6.1%	
17.3%	1,311	1,158	-153	-11.7%	
18.5%	1,283	980	-302	-23.6%	
19.8%	1,282	938	-345	-26.9%	
21.0%	1,278	856	-422	-33.0%	
22.2%	1,278	855	-423	-33.1%	
23.5%	1,273	794	-479	-37.6%	
24.7%	1,259	733	-526	-41.8%	
25.9%	1,249	694	-556	-44.5%	
27.2%	1,211	647	-563	-46.5%	
28.4%	1,210	629	-581	-48.0%	
29.6%	1,174	622	-552	-47.0%	
30.9%	1,158	613	-545	-47.0%	
32.1%	1,155	609	-546	-47.3%	
33.3%	1,107	608	-499	-45.1%	
34.6%	1,097	592	-505	-46.0%	
35.8%	1,007	578	-429	-42.6%	
37.0%	975	558	-417	-42.8%	
38.3%	971	555	-416	-42.8%	
39.5%	968	532	-436	-45.0%	
40.7%	968	522	-446	-46.1%	
42.0%	934	508	-426	-45.6%	
43.2%	920	503	-417	-45.3%	
44.4%	918	502	-417	-45.4%	
45.7%	907	489	-419	-46.1%	
46.9%	899	486	-413	-46.0%	
48.1%	878	478	-401	-45.6%	
49.4%	877	472	-405	-46.2%	
50.6%	848	470	-378	-44.6%	
51.9%	828	464	-364	-44.0%	
53.1%	819	453	-366	-44.7%	
54.3%	818	449	-369	-45.1%	
55.6%	791	446	-346	-43.7%	
56.8%	784	444	-339	-43.3%	
58.0%	767	439	-329	-42.8%	
59.3%	764	436	-329	-43.0%	
60.5%	750	431	-319	-42.6%	
61.7%	690	420	-270	-39.2%	
63.0%	676	407	-270	-39.9%	
64.2%	560	405	-154	-27.6%	
65.4%	556	396	-160	-28.8%	
66.7%	542	394	-148	-27.4%	
67.9%	517	391	-127	-24.5%	
69.1%	514	385	-128	-25.0%	
70.4%	498	385	-113	-22.7%	
71.6%	474	383	-91	-19.2%	
72.8%	441	356	-85	-19.3%	
74.1%	419	354	-65	-15.5%	
75.3%	405	351	-54	-13.3%	
76.5%	399	319	-80	-20.0%	
77.8%	392	319	-73	-18.6%	
79.0%	379	316	-63	-16.6%	
80.2%	372	310	-62	-16.6%	
81.5%	363	307	-56	-15.4%	
82.7%	362	304	-58	-16.1%	
84.0%	340	298	-41	-12.2%	
85.2%	338	289	-49	-14.4%	
86.4%	299	285	-14	-4.7%	
87.7%	286	283	-2	-0.9%	
88.9%	275	278	3	1.1%	
90.1%	261	259	-2	-0.7%	
91.4%	280	256	-5	-1.8%	
92.6%	254	251	-4	-1.5%	
93.8%	235	177	-58	-24.8%	
95.1%	231	169	-62	-26.8%	
96.3%	95	163	67	70.8%	
97.5%	16	160	144		
98.8%	0	62	62		
100.0%	0	0	0		

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,114	1,431	317	28.5%	
1.2%	1,114	1,431	317	28.5%	
2.5%	1,103	1,102	-1	0.0%	
3.7%	1,102	1,102	0	0.0%	
4.9%	1,101	1,100	-1	-0.1%	
6.2%	1,100	1,095	-6	-0.5%	
7.4%	1,100	1,091	-9	-0.8%	
8.6%	1,092	1,080	-12	-1.1%	
9.9%	1,091	1,062	-29	-2.7%	
11.1%	1,086	1,060	-26	-2.4%	
12.3%	1,083	1,060	-23	-2.1%	
13.6%	1,080	1,028	-52	-4.8%	
14.8%	1,078	1,024	-54	-5.0%	
16.0%	1,062	1,020	-42	-3.9%	
17.3%	1,048	1,017	-30	-2.9%	
18.5%	1,028	1,012	-17	-1.6%	
19.8%	1,024	954	-71	-6.9%	
21.0%	1,021	950	-72	-7.0%	
22.2%	1,017	923	-94	-9.2%	
23.5%	1,012	864	-148	-14.6%	
24.7%	1,000	783	-217	-21.7%	
25.9%	963	756	-207	-21.5%	
27.2%	963	749	-214	-22.2%	
28.4%	954	745	-209	-21.8%	
29.6%	934	737	-197	-21.1%	
30.9%	923	721	-202	-21.9%	
32.1%	922	661	-262	-28.4%	
33.3%	884	656	-228	-25.8%	
34.6%	876	646	-230	-26.3%	
35.8%	865	617	-248	-28.6%	
37.0%	785	616	-169	-21.5%	
38.3%	777	613	-164	-21.1%	
39.5%	770	588	-182	-23.6%	
40.7%	749	588	-162	-21.6%	
42.0%	745	568	-177	-23.7%	
43.2%	732	518	-214	-29.3%	
44.4%	724	513	-211	-29.2%	
45.7%	717	499	-219	-30.5%	
46.9%	699	493	-207	-29.6%	
48.1%	653	481	-172	-26.4%	
49.4%	647	477	-170	-26.3%	
50.6%	651	465	-186	-28.6%	
51.9%	648	452	-196	-30.3%	
53.1%	627	403	-224	-35.7%	
54.3%	625	403	-222	-35.6%	
55.6%	621	397	-224	-36.1%	
56.8%	610	393	-217	-35.5%	
58.0%	598	392	-206	-34.5%	
59.3%	596	390	-206	-34.6%	
60.5%	595	387	-208	-35.0%	
61.7%	590	375	-215	-36.5%	
63.0%	563	361	-202	-35.9%	
64.2%	551	361	-190	-34.4%	
65.4%	539	358	-181	-33.6%	
66.7%	508	355	-153	-30.2%	
67.9%	498	345	-153	-30.7%	
69.1%	454	343	-111	-24.5%	
70.4%	445	335	-110	-24.8%	
71.6%	438	329	-110	-25.0%	
72.8%	427	325	-102	-24.0%	
74.1%	424	306	-118	-27.8%	
75.3%	413	303	-109	-26.5%	
76.5%	395	303	-92	-23.3%	
77.8%	393	302	-91	-23.1%	
79.0%	393	290	-102	-26.1%	
80.2%	352	271	-81	-23.1%	
81.5%	332	270	-62	-18.6%	
82.7%	318	260	-59	-18.4%	
84.0%					



Table OP-02-a  
 Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion  
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	767	446	211	83	68	40	2,190	2,085	2,903	2,798	2,066	545
DCR 2015 With Project	713	461	504	207	271	612	2,274	2,004	2,567	2,509	2,010	556
Difference	-54	15	293	123	204	572	84	-81	-336	-288	-56	11
Percent Difference <sup>2</sup>	-7.0%	3.3%	138.9%				3.8%	-3.9%	-11.6%	-10.3%	-2.7%	2.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	793	461	228	80	67	31	2,022	2,122	2,969	2,870	2,139	569
DCR 2015 With Project	802	490	361	216	270	496	2,308	2,965	2,911	2,417	2,417	591
Difference	9	29	133	135	202	465	170	186	-4	41	278	22
Percent Difference	1.2%	6.4%	58.1%				8.4%	8.8%	-0.1%	1.4%	13.0%	3.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	779	453	207	73	65	26	2,160	2,078	2,984	2,868	2,146	573
DCR 2015 With Project	862	536	824	296	352	899	2,561	2,345	2,640	2,577	2,140	568
Difference	83	83	617	223	287	873	401	268	-344	-291	-7	-5
Percent Difference	10.7%	18.3%					18.6%	12.9%	-11.5%	-10.1%	-0.3%	-0.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	780	461	201	89	68	45	2,302	2,182	2,952	2,874	2,152	564
DCR 2015 With Project	649	430	612	231	286	734	2,669	2,168	2,404	2,429	1,798	544
Difference	-131	-31	411	142	218	689	367	-14	-548	-445	-354	-20
Percent Difference	-16.8%	-6.7%					15.9%	-0.7%	-18.6%	-15.5%	-16.5%	-3.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	784	430	223	86	69	43	2,317	2,145	2,958	2,859	2,103	539
DCR 2015 With Project	625	450	543	147	273	698	2,250	1,721	2,347	2,363	1,973	587
Difference	-159	19	320	61	204	655	-66	-424	-611	-495	-130	48
Percent Difference	-20.3%	4.5%	143.3%				-2.9%	-19.8%	-20.7%	-17.3%	-6.2%	9.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	660	415	170	89	68	64	2,264	1,811	2,541	2,392	1,672	455
DCR 2015 With Project	580	377	307	160	174	305	1,741	1,239	2,153	1,886	1,302	438
Difference	-80	-38	137	71	106	241	-524	-571	-388	-506	-370	-17
Percent Difference	-12.1%	-9.1%	80.6%				-23.1%	-31.6%	-15.3%	-21.2%	-22.1%	-3.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-02-b**  
**Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion**  
**Probability of Exceedance**

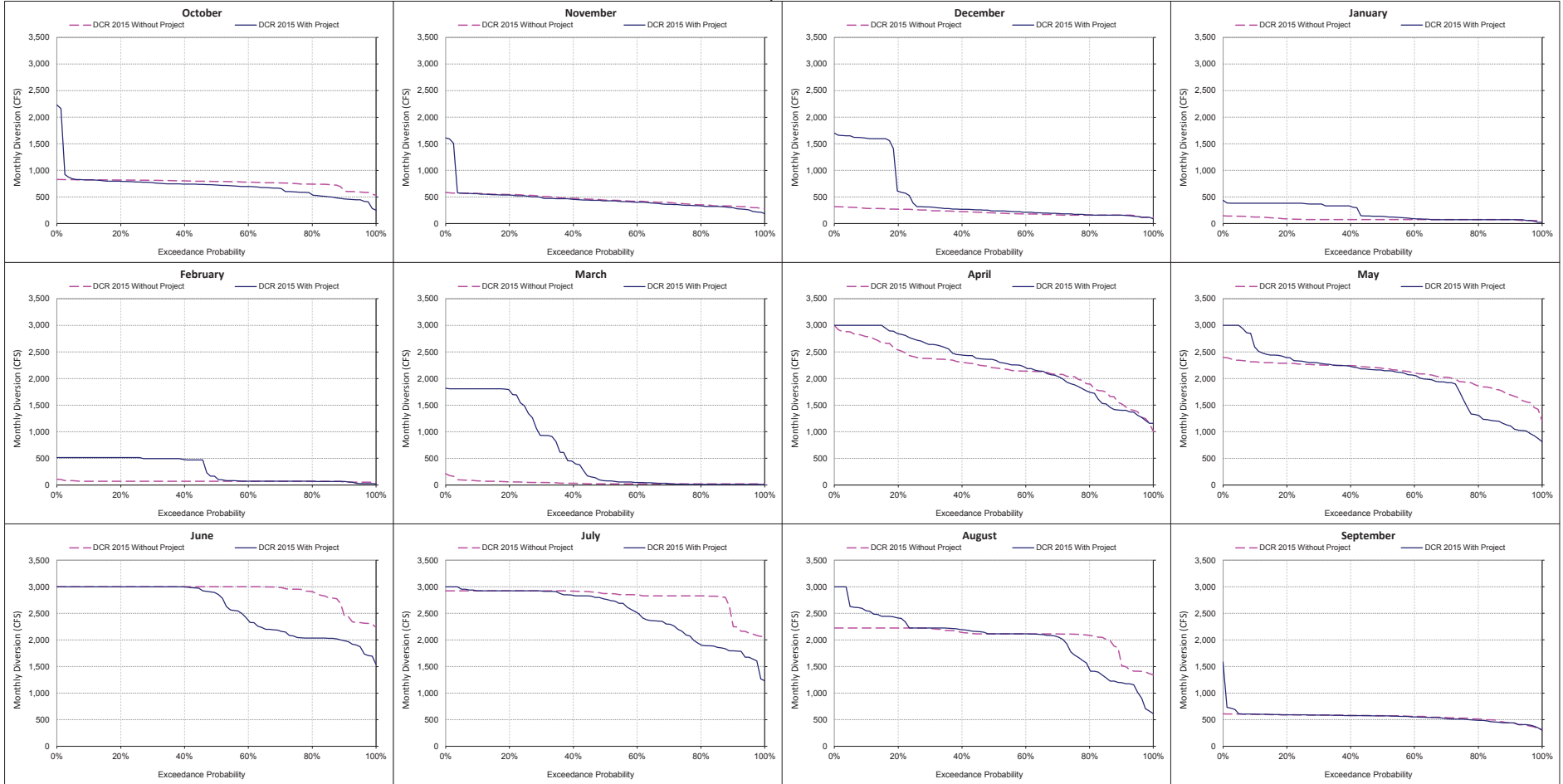


Table OP-02-b  
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	829	2,230	1,401	169.0%	
1.2%	828	2,166	1,338	161.6%	
2.5%	826	921	95	11.4%	
3.7%	825	872	47	5.7%	
4.9%	825	839	14	1.7%	
6.2%	823	828	4	0.5%	
7.4%	823	826	3	0.4%	
8.6%	822	822	-1	-0.2%	
9.9%	822	821	-1	-0.1%	
11.1%	822	820	-2	-0.2%	
12.3%	822	816	-6	-0.7%	
13.6%	821	812	-9	-1.1%	
14.8%	821	803	-18	-2.2%	
16.0%	821	799	-22	-2.7%	
17.3%	820	796	-24	-2.9%	
18.5%	819	796	-23	-2.8%	
19.8%	819	794	-25	-3.0%	
21.0%	819	791	-27	-3.4%	
22.2%	819	790	-29	-3.4%	
23.5%	816	787	-29	-3.6%	
24.7%	816	782	-33	-4.1%	
25.9%	815	780	-35	-4.3%	
27.2%	815	777	-38	-4.7%	
28.4%	814	775	-39	-4.8%	
29.6%	813	770	-42	-5.2%	
30.9%	812	761	-51	-6.3%	
32.1%	811	759	-52	-6.4%	
33.3%	809	750	-60	-7.4%	
34.6%	809	749	-59	-7.3%	
35.8%	807	748	-59	-7.3%	
37.0%	806	747	-59	-7.3%	
38.3%	805	747	-58	-7.2%	
39.5%	803	743	-59	-7.4%	
40.7%	802	743	-59	-7.3%	
42.0%	799	741	-57	-7.2%	
43.2%	796	739	-57	-7.2%	
44.4%	796	738	-58	-7.3%	
45.7%	795	735	-60	-7.6%	
46.9%	794	734	-61	-7.6%	
48.1%	793	730	-64	-8.0%	
49.4%	792	726	-65	-8.2%	
50.6%	791	724	-67	-8.5%	
51.9%	791	718	-72	-9.1%	
53.1%	790	718	-73	-9.2%	
54.3%	787	711	-76	-9.7%	
55.6%	787	709	-78	-9.9%	
56.8%	787	701	-86	-10.9%	
58.0%	781	699	-82	-10.5%	
59.3%	779	696	-83	-10.6%	
60.5%	778	695	-83	-10.7%	
61.7%	777	693	-84	-10.8%	
63.0%	773	688	-85	-11.0%	
64.2%	772	678	-94	-12.2%	
65.4%	768	677	-91	-11.8%	
66.7%	767	672	-96	-12.5%	
67.9%	767	669	-98	-12.8%	
69.1%	765	667	-98	-12.8%	
70.4%	764	657	-107	-14.0%	
71.6%	761	602	-159	-20.9%	
72.8%	760	601	-159	-20.9%	
74.1%	754	596	-158	-21.0%	
75.3%	749	593	-157	-20.9%	
76.5%	743	589	-154	-20.8%	
77.8%	743	587	-156	-21.0%	
79.0%	742	584	-158	-21.3%	
80.2%	741	532	-209	-28.2%	
81.5%	741	527	-214	-28.9%	
82.7%	739	518	-221	-29.9%	
84.0%	738	513	-225	-30.5%	
85.2%	734	504	-230	-31.3%	
86.4%	727	495	-232	-32.0%	
87.7%	722	481	-241	-33.4%	
88.9%	693	474	-219	-31.6%	
90.1%	607	461	-146	-24.1%	
91.4%	602	458	-144	-23.9%	
92.6%	601	452	-149	-24.8%	
93.8%	596	448	-148	-24.9%	
95.1%	593	447	-146	-24.6%	
96.3%	587	415	-172	-29.3%	
97.5%	584	409	-175	-29.9%	
98.8%	553	284	-269	-48.6%	
100.0%	532	253	-279	-52.5%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	586	1,609	1,023	174.8%	
1.2%	577	1,590	1,013	175.4%	
2.5%	572	1,511	940	164.4%	
3.7%	571	577	6	1.0%	
4.9%	571	571	0	0.0%	
6.2%	571	569	-2	-0.4%	
7.4%	571	567	-4	-0.7%	
8.6%	569	563	-6	-1.1%	
9.9%	566	562	-4	-0.7%	
11.1%	564	553	-11	-2.0%	
12.3%	560	552	-8	-1.5%	
13.6%	555	545	-10	-1.8%	
14.8%	551	542	-9	-1.5%	
16.0%	550	540	-10	-1.8%	
17.3%	548	537	-11	-2.0%	
18.5%	546	536	-10	-1.8%	
19.8%	546	536	-10	-1.8%	
21.0%	545	530	-15	-2.7%	
22.2%	544	524	-20	-3.5%	
23.5%	539	524	-14	-2.7%	
24.7%	533	521	-12	-2.2%	
25.9%	529	514	-15	-2.9%	
27.2%	529	501	-29	-5.4%	
28.4%	522	500	-23	-4.4%	
29.6%	516	498	-17	-3.4%	
30.9%	508	474	-34	-6.8%	
32.1%	507	473	-34	-6.8%	
33.3%	501	470	-30	-6.0%	
34.6%	501	466	-34	-6.8%	
35.8%	493	466	-28	-5.7%	
37.0%	481	466	-15	-3.1%	
38.3%	479	465	-13	-2.8%	
39.5%	475	457	-18	-3.8%	
40.7%	474	450	-24	-5.1%	
42.0%	471	449	-22	-4.7%	
43.2%	465	444	-21	-4.5%	
44.4%	458	442	-15	-3.4%	
45.7%	457	438	-19	-4.2%	
46.9%	457	437	-20	-4.4%	
48.1%	450	435	-15	-3.4%	
49.4%	443	429	-14	-3.1%	
50.6%	438	429	-9	-2.0%	
51.9%	438	426	-12	-2.8%	
53.1%	436	426	-11	-2.4%	
54.3%	435	415	-21	-4.7%	
55.6%	428	412	-16	-3.7%	
56.8%	426	412	-14	-3.2%	
58.0%	421	405	-16	-3.8%	
59.3%	420	402	-18	-4.2%	
60.5%	420	401	-19	-4.6%	
61.7%	417	400	-17	-4.1%	
63.0%	411	400	-11	-2.7%	
64.2%	408	387	-21	-5.1%	
65.4%	405	381	-24	-5.8%	
66.7%	401	378	-23	-5.8%	
67.9%	400	368	-33	-8.1%	
69.1%	398	362	-36	-9.1%	
70.4%	396	361	-35	-8.8%	
71.6%	386	357	-29	-7.4%	
72.8%	379	356	-23	-6.0%	
74.1%	376	349	-27	-7.1%	
75.3%	369	344	-25	-6.8%	
76.5%	364	342	-22	-6.1%	
77.8%	357	339	-18	-5.1%	
79.0%	353	338	-15	-4.3%	
80.2%	351	331	-20	-5.6%	
81.5%	349	325	-24	-6.9%	
82.7%	346	323	-23	-6.7%	
84.0%	333	323	-10	-3.1%	
85.2%	331	311	-20	-6.0%	
86.4%	331	318	-13	-3.8%	
87.7%	330	313	-17	-5.2%	
88.9%	329	304	-27	-8.1%	
90.1%	320	298	-22	-6.9%	
91.4%	322	277	-45	-14.0%	
92.6%	318	273	-45	-14.1%	
93.8%	318	269	-49	-15.2%	
95.1%	308	257	-49	-16.0%	
96.3%	297	229	-70	-23.4%	
97.5%	298	216	-82	-27.5%	
98.8%	285	213	-72	-25.2%	
100.0%	278	185	-92	-33.3%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	318	1,702	1,385	435.9%	
1.2%	316	1,663	1,347	426.6%	
2.5%	314	1,655	1,341	426.5%	
3.7%	310	1,651	1,341	432.0%	
4.9%	306	1,649	1,343	439.4%	
6.2%	304	1,620	1,316	433.5%	
7.4%	298	1,619	1,321	443.9%	
8.6%	292	1,614	1,322	452.0%	
9.9%	284	1,604	1,320	464.2%	
11.1%	284	1,597	1,313	462.3%	
12.3%	283	1,597	1,314	464.7%	
13.6%	282	1,597	1,315	465.5%	
14.8%	281	1,597	1,316	468.3%	
16.0%	277	1,597	1,320	477.0%	
17.3%	272	1,558	1,286	472.1%	
18.5%	271	1,410	1,139	420.0%	
19.8%	270	613	343	126.9%	
21.0%	268	597	318	118.6%	
22.2%	268	569	301	112.5%	
23.5%	268	528	260	97.0%	
24.7%	263	387	124	47.2%	
25.9%	259	318	59	22.6%	
27.2%	255	316	61	23.9%	
28.4%	254	314	60	23.6%	
29.6%	253	310	57	22.6%	
30.9%	240	306	66	27.4%	
32.1%	239	298	59	24.5%	
33.3%	239	292	54	22.5%	
34.6%	237	284	48	20.1%	
35.8%	235	284	49	20.8%	
37.0%	231	272	41	17.7%	
38.3%	225	271	46	20.7%	
39.5%	224	268	44	19.9%	
40.7%	222	268	46	20.6%	
42.0%	225	265	43	19.2%	
43.2%	216	261	47	21.6%	
44.4%	212	259	47	22.1%	
45.7%	212	255	43	20.4%	
46.9%	209	254	45	21.4%	
48.1%	204	253	49	23.9%	
49.4%	201	239	38	18.7%	
50.6%	197	239	42	21.2%	
51.9%	194	237	43	22.1%	
53.1%	193	236	42	21.8%	
54.3%	189	231	42	22.5%	
55.6%	185	229	45	24.5%	
56.8%	184	225	41	22.2%	
58.0%	183	222	39	21.6%	
59.3%	181	215	34	18.8%	
60.5%	180	212	32	17.6%	
61.7%	179	210	31	17.1%	
63.0%	179	204	26	14.4%	
64.2%	175	201	26	15.1%	
65.4%	172	199	27	15.9%	
66.7%	171	197	26	15.0%	
67.9%	171	194	22	13.1%	
69.1%	161	193	32	19.8%	
70.4%	161	189	28	17.4%	
71.6%	159	185	26	16.4%	
72.8%	158	183	25	15.7%	
74.1%	158	180	22	14.2%	
75.3%	158	172	14	8.8%	
76.5%	158	171	14	8.6%	
77.8%	158	171	14	8.6%	
79.0%	158	161	4	2.4%	
80.2%	158	161	3	2.0%	
81.5%	158	159	1	0.5%	
82.7%	158	158	0	0.0%	
84.0%	158	158	0	0.0%	
85.2%	158	158	0	0.0%	
86.4%	158	158	0	0.0%	
87.7%	158	158	0	0.0%	
88.9%	158	158	0	0.0%	
90.1%	158	158			

Table OP-02-b  
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	107	513	406	380.9%	
1.2%	103	513	411	400.0%	
2.5%	83	513	430	520.3%	
3.7%	81	513	432	534.2%	
4.9%	80	513	433	541.7%	
6.2%	74	513	439	590.2%	
7.4%	68	513	445	650.0%	
8.6%	68	513	445	650.0%	
9.9%	68	513	445	650.0%	
11.1%	68	513	445	650.0%	
12.3%	68	513	445	650.0%	
13.6%	68	513	445	650.0%	
14.8%	68	513	445	650.0%	
16.0%	68	513	445	650.0%	
17.3%	68	513	445	650.0%	
18.5%	68	513	445	650.0%	
19.8%	68	513	445	650.0%	
21.0%	68	513	445	650.0%	
22.2%	68	513	445	650.0%	
23.5%	68	513	445	650.0%	
24.7%	68	513	445	650.0%	
25.9%	68	513	445	650.0%	
27.2%	68	496	428	625.5%	
28.4%	68	496	428	625.5%	
29.6%	68	496	428	625.5%	
30.9%	68	496	428	625.5%	
32.1%	68	495	427	624.1%	
33.3%	68	495	427	624.1%	
34.6%	68	495	427	624.1%	
35.8%	68	495	427	624.1%	
37.0%	68	495	427	624.1%	
38.3%	68	495	427	624.1%	
39.5%	68	479	411	600.5%	
40.7%	68	471	402	587.8%	
42.0%	68	471	402	587.8%	
43.2%	68	471	402	587.8%	
44.4%	68	471	402	587.8%	
45.7%	68	471	402	587.8%	
46.9%	68	230	161	235.8%	
48.1%	68	165	97	141.8%	
49.4%	68	164	96	139.7%	
50.6%	68	100	32	46.7%	
51.9%	68	94	26	38.0%	
53.1%	68	83	14	21.0%	
54.3%	68	80	12	16.9%	
55.6%	68	80	11	16.5%	
56.8%	68	74	6	8.7%	
58.0%	68	68	0	0.0%	
59.3%	68	68	0	0.0%	
60.5%	68	68	0	0.0%	
61.7%	68	68	0	0.0%	
63.0%	68	68	0	0.0%	
64.2%	68	68	0	0.0%	
65.4%	68	68	0	0.0%	
66.7%	68	68	0	0.0%	
67.9%	68	68	0	0.0%	
69.1%	68	68	0	0.0%	
70.4%	68	68	0	0.0%	
71.6%	66	68	2	3.6%	
72.8%	66	68	2	3.6%	
74.1%	66	68	2	3.6%	
75.3%	66	68	2	3.6%	
76.5%	66	68	2	3.6%	
77.8%	66	68	2	3.6%	
79.0%	66	68	2	3.6%	
80.2%	66	68	2	3.6%	
81.5%	66	66	0	0.0%	
82.7%	66	66	0	0.0%	
84.0%	66	66	0	0.0%	
85.2%	66	66	0	0.0%	
86.4%	66	66	0	0.0%	
87.7%	66	66	0	0.0%	
88.9%	66	66	0	0.0%	
90.1%	52	66	14	27.0%	
91.4%	52	54	3	5.1%	
92.6%	52	52	0	0.0%	
93.8%	52	31	-21	-39.9%	
95.1%	52	27	-25	-48.5%	
96.3%	52	26	-26	-50.2%	
97.5%	52	26	-26	-50.2%	
98.8%	50	26	-24	-48.5%	
100.0%	50	19	-30	-61.0%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	212	1,819	1,608	759.4%	
1.2%	176	1,809	1,633	929.2%	
2.5%	162	1,807	1,644		
3.7%	98	1,807	1,709		
4.9%	94	1,807	1,713		
6.2%	90	1,807	1,717		
7.4%	90	1,807	1,717		
8.6%	84	1,807	1,722		
9.9%	77	1,807	1,730		
11.1%	74	1,807	1,733		
12.3%	69	1,807	1,737		
13.6%	69	1,807	1,737		
14.8%	69	1,807	1,738		
16.0%	66	1,807	1,740		
17.3%	66	1,807	1,741		
18.5%	61	1,802	1,740		
19.8%	58	1,792	1,734		
21.0%	58	1,697	1,639		
22.2%	56	1,691	1,635		
23.5%	56	1,545	1,489		
24.7%	50	1,490	1,440		
25.9%	48	1,345	1,298		
27.2%	47	1,265	1,219		
28.4%	46	1,062	1,016		
29.6%	46	934	888		
30.9%	45	931	886		
32.1%	44	930	886		
33.3%	41	910	870		
34.6%	40	814	774		
35.8%	33	616	583		
37.0%	32	608	576		
38.3%	32	452	420		
39.5%	30	448	418		
40.7%	30	393	363		
42.0%	25	382	357		
43.2%	25	266	241	975.4%	
44.4%	22	171	149	675.4%	
45.7%	22	150	128	579.4%	
46.9%	22	136	114	518.3%	
48.1%	22	94	72	330.9%	
49.4%	20	78	59	301.5%	
50.6%	20	74	54	277.9%	
51.9%	20	73	54	276.4%	
53.1%	20	67	47	242.5%	
54.3%	20	55	36	183.6%	
55.6%	20	54	35	177.2%	
56.8%	20	53	34	171.8%	
58.0%	20	53	34	171.8%	
59.3%	20	47	27	138.8%	
60.5%	20	46	27	136.4%	
61.7%	20	46	27	136.4%	
63.0%	20	42	23	117.5%	
64.2%	20	39	20	101.0%	
65.4%	20	37	17	89.2%	
66.7%	20	33	13	66.9%	
67.9%	20	32	13	65.7%	
69.1%	20	31	12	60.8%	
70.4%	20	22	3	14.5%	
71.6%	20	16	-3	-16.9%	
72.8%	20	15	-4	-21.7%	
74.1%	20	14	-6	-28.8%	
75.3%	20	11	-8	-41.7%	
76.5%	20	11	-8	-41.7%	
77.8%	20	11	-8	-41.7%	
79.0%	20	11	-8	-41.7%	
80.2%	20	11	-8	-41.7%	
81.5%	20	11	-8	-41.7%	
82.7%	20	11	-8	-41.7%	
84.0%	20	11	-8	-41.7%	
85.2%	20	11	-8	-41.7%	
86.4%	20	11	-8	-41.7%	
87.7%	20	11	-8	-41.7%	
88.9%	20	11	-8	-41.7%	
90.1%	20	11	-8	-41.7%	
91.4%	20	11	-8	-41.7%	
92.6%	20	11	-8	-41.7%	
93.8%	20	11	-8	-41.7%	
95.1%	20	11	-8	-41.7%	
96.3%	20	11	-8	-41.7%	
97.5%	20	11	-8	-41.7%	
98.8%	15	11	-3	-22.0%	
100.0%	15	0	-15	-100.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,000	3,000	0	0.0%	
1.2%	3,000	3,000	82	2.8%	
2.5%	2,885	3,000	115	4.0%	
3.7%	2,883	3,000	117	4.1%	
4.9%	2,877	3,000	123	4.3%	
6.2%	2,838	3,000	162	5.7%	
7.4%	2,832	3,000	169	5.9%	
8.6%	2,813	3,000	187	6.6%	
9.9%	2,789	3,000	211	7.6%	
11.1%	2,786	3,000	214	7.7%	
12.3%	2,749	3,000	251	9.1%	
13.6%	2,717	3,000	283	10.4%	
14.8%	2,674	3,000	326	12.2%	
16.0%	2,666	2,945	280	10.5%	
17.3%	2,660	2,897	237	8.9%	
18.5%	2,585	2,892	306	11.9%	
19.8%	2,543	2,844	301	11.8%	
21.0%	2,518	2,832	313	12.4%	
22.2%	2,484	2,813	329	13.2%	
23.5%	2,433	2,771	338	13.9%	
24.7%	2,414	2,745	330	13.7%	
25.9%	2,395	2,723	328	13.7%	
27.2%	2,380	2,705	325	13.7%	
28.4%	2,379	2,672	293	12.3%	
29.6%	2,377	2,643	266	11.2%	
30.9%	2,374	2,643	269	11.3%	
32.1%	2,366	2,630	264	11.1%	
33.3%	2,364	2,609	246	10.4%	
34.6%	2,363	2,585	222	9.4%	
35.8%	2,353	2,557	204	8.7%	
37.0%	2,347	2,478	132	5.6%	
38.3%	2,323	2,449	126	5.4%	
39.5%	2,310	2,448	138	6.0%	
40.7%	2,299	2,438	139	6.1%	
42.0%	2,291	2,430	140	6.1%	
43.2%	2,283	2,430	147	6.4%	
44.4%	2,267	2,380	113	5.0%	
45.7%	2,248	2,372	124	5.5%	
46.9%	2,239	2,366	127	5.7%	
48.1%	2,235	2,363	128	5.7%	
49.4%	2,205	2,360	154	7.0%	
50.6%	2,200	2,343	143	6.5%	
51.9%	2,189	2,304	115	5.2%	
53.1%	2,181	2,292	111	5.1%	
54.3%	2,173	2,275	101	4.7%	
55.6%	2,151	2,259	107	5.0%	
56.8%	2,144	2,258	114	5.3%	
58.0%	2,142	2,250	108	5.0%	
59.3%	2,141	2,227	86	4.0%	
60.5%	2,139	2,188	49	2.3%	
61.7%	2,136	2,187	51	2.4%	
63.0%	2,135	2,155	20	0.9%	
64.2%	2,130	2,141	10	0.5%	
65.4%	2,130	2,138	8	0.4%	
66.7%	2,116	2,093	-24	-1.1%	
67.9%	2,090	2,074	-16	-0.8%	
69.1%	2,080	2,062	-18	-0.9%	
70.4%	2,077	2,030	-47	-2.3%	
71.6%	2,077	1,991	-86	-4.2%	
72.8%	2,042	1,933	-109	-5.3%	
74.1%	2,042	1,904	-138	-6.8%	
75.3%	2,034	1,883	-151	-7.4%	
76.5%	1,983	1,848	-135	-6.8%	
77.8%	1,967	1,809	-158	-8.0%	
79.0%	1,903	1,769	-134	-7.0%	
80.2%	1,895	1,738	-157	-8.3%	
81.5%	1,809	1,721	-88	-4.9%	
82.7%	1,777	1,615	-162	-9.1%	
84.0%	1,768	1,533	-235	-13.3%	
85.2%	1,747	1,522	-225	-12.9%	
86.4%	1,662	1,460	-201	-12.1%	
87.7%	1,659	1,418	-241	-14.5%	
88.9%	1,555	1,407	-148	-9.5%</	

Table OP-02-b  
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,000	3,000	0	0.0%	
1.2%	3,000	3,000	0	0.0%	
2.5%	3,000	3,000	0	0.0%	
3.7%	3,000	3,000	0	0.0%	
4.9%	3,000	3,000	0	0.0%	
6.2%	3,000	3,000	0	0.0%	
7.4%	3,000	3,000	0	0.0%	
8.6%	3,000	3,000	0	0.0%	
9.9%	3,000	3,000	0	0.0%	
11.1%	3,000	3,000	0	0.0%	
12.3%	3,000	3,000	0	0.0%	
13.6%	3,000	3,000	0	0.0%	
14.8%	3,000	3,000	0	0.0%	
16.0%	3,000	3,000	0	0.0%	
17.3%	3,000	3,000	0	0.0%	
18.5%	3,000	3,000	0	0.0%	
19.8%	3,000	3,000	0	0.0%	
21.0%	3,000	3,000	0	0.0%	
22.2%	3,000	3,000	0	0.0%	
23.5%	3,000	3,000	0	0.0%	
24.7%	3,000	3,000	0	0.0%	
25.9%	3,000	3,000	0	0.0%	
27.2%	3,000	3,000	0	0.0%	
28.4%	3,000	3,000	0	0.0%	
29.6%	3,000	3,000	0	0.0%	
30.9%	3,000	3,000	0	0.0%	
32.1%	3,000	3,000	0	0.0%	
33.3%	3,000	3,000	0	0.0%	
34.6%	3,000	3,000	0	0.0%	
35.8%	3,000	3,000	0	0.0%	
37.0%	3,000	3,000	0	0.0%	
38.3%	3,000	2,998	-2	-0.1%	
39.5%	3,000	2,998	-2	-0.1%	
40.7%	3,000	2,996	-4	-0.1%	
42.0%	3,000	2,985	-15	-0.5%	
43.2%	3,000	2,979	-21	-0.7%	
44.4%	3,000	2,973	-27	-0.9%	
45.7%	3,000	2,924	-76	-2.5%	
46.9%	3,000	2,912	-88	-2.9%	
48.1%	3,000	2,905	-95	-3.2%	
49.4%	3,000	2,891	-109	-3.6%	
50.6%	3,000	2,852	-148	-4.9%	
51.9%	3,000	2,785	-215	-7.2%	
53.1%	3,000	2,627	-373	-12.4%	
54.3%	3,000	2,565	-435	-14.5%	
55.6%	3,000	2,554	-446	-14.9%	
56.8%	3,000	2,544	-456	-15.2%	
58.0%	3,000	2,496	-504	-16.8%	
59.3%	3,000	2,417	-583	-19.4%	
60.5%	3,000	2,330	-670	-22.3%	
61.7%	3,000	2,324	-676	-22.5%	
63.0%	3,000	2,261	-739	-24.6%	
64.2%	2,998	2,236	-762	-25.4%	
65.4%	2,998	2,200	-799	-26.6%	
66.7%	2,996	2,199	-797	-26.6%	
67.9%	2,996	2,191	-805	-26.9%	
69.1%	2,988	2,185	-802	-26.9%	
70.4%	2,985	2,159	-826	-27.7%	
71.6%	2,964	2,151	-812	-27.4%	
72.8%	2,953	2,087	-866	-29.3%	
74.1%	2,953	2,076	-877	-29.7%	
75.3%	2,953	2,044	-909	-30.8%	
76.5%	2,950	2,040	-910	-30.8%	
77.8%	2,918	2,037	-881	-30.2%	
79.0%	2,915	2,037	-879	-30.1%	
80.2%	2,905	2,037	-868	-29.9%	
81.5%	2,865	2,037	-828	-28.9%	
82.7%	2,840	2,036	-804	-28.3%	
84.0%	2,827	2,033	-794	-28.1%	
85.2%	2,792	2,031	-761	-27.3%	
86.4%	2,787	2,029	-758	-27.2%	
87.7%	2,776	2,021	-756	-27.2%	
88.9%	2,685	2,002	-683	-25.4%	
90.1%	2,439	1,986	-454	-18.6%	
91.4%	2,434	1,954	-470	-19.3%	
92.6%	2,338	1,920	-418	-17.9%	
93.8%	2,330	1,905	-425	-18.2%	
95.1%	2,326	1,869	-457	-19.7%	
96.3%	2,315	1,734	-581	-25.1%	
97.5%	2,310	1,706	-604	-26.1%	
98.8%	2,296	1,697	-600	-26.1%	
100.0%	2,236	1,539	-697	-31.2%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	2,923	3,000	77	2.6%	
1.2%	2,923	3,000	77	2.6%	
2.5%	2,923	3,000	77	2.6%	
3.7%	2,923	3,000	77	2.6%	
4.9%	2,923	2,954	31	1.0%	
6.2%	2,923	2,953	30	1.0%	
7.4%	2,923	2,937	14	0.5%	
8.6%	2,923	2,937	14	0.5%	
9.9%	2,923	2,923	0	0.0%	
11.1%	2,923	2,923	0	0.0%	
12.3%	2,923	2,923	0	0.0%	
13.6%	2,923	2,923	0	0.0%	
14.8%	2,923	2,923	0	0.0%	
16.0%	2,923	2,923	0	0.0%	
17.3%	2,923	2,923	0	0.0%	
18.5%	2,923	2,923	0	0.0%	
19.8%	2,923	2,923	0	0.0%	
21.0%	2,923	2,923	0	0.0%	
22.2%	2,923	2,923	0	0.0%	
23.5%	2,923	2,923	0	0.0%	
24.7%	2,923	2,923	0	0.0%	
25.9%	2,923	2,923	0	0.0%	
27.2%	2,923	2,923	0	0.0%	
28.4%	2,923	2,923	0	0.0%	
29.6%	2,923	2,923	0	0.0%	
30.9%	2,923	2,914	-9	-0.3%	
32.1%	2,923	2,913	-10	-0.4%	
33.3%	2,923	2,913	-10	-0.4%	
34.6%	2,923	2,911	-13	-0.4%	
35.8%	2,923	2,876	-48	-1.6%	
37.0%	2,923	2,851	-73	-2.5%	
38.3%	2,923	2,847	-76	-2.6%	
39.5%	2,918	2,841	-77	-2.6%	
40.7%	2,915	2,828	-87	-3.0%	
42.0%	2,905	2,828	-86	-3.0%	
43.2%	2,879	2,813	-66	-2.3%	
44.4%	2,910	2,828	-82	-2.8%	
45.7%	2,902	2,824	-80	-2.7%	
46.9%	2,895	2,800	-95	-3.3%	
48.1%	2,888	2,797	-91	-3.1%	
49.4%	2,874	2,774	-99	-3.4%	
50.6%	2,872	2,757	-116	-4.0%	
51.9%	2,869	2,739	-130	-4.5%	
53.1%	2,866	2,728	-138	-4.8%	
54.3%	2,853	2,690	-163	-5.7%	
55.6%	2,852	2,668	-183	-6.4%	
56.8%	2,851	2,620	-232	-8.1%	
58.0%	2,851	2,573	-277	-9.7%	
59.3%	2,849	2,540	-309	-10.9%	
60.5%	2,847	2,495	-352	-12.4%	
61.7%	2,828	2,414	-414	-14.6%	
63.0%	2,828	2,380	-448	-15.8%	
64.2%	2,828	2,363	-465	-16.4%	
65.4%	2,828	2,360	-468	-16.5%	
66.7%	2,828	2,352	-476	-16.8%	
67.9%	2,828	2,348	-480	-17.0%	
69.1%	2,828	2,299	-528	-18.7%	
70.4%	2,828	2,297	-531	-18.8%	
71.6%	2,828	2,259	-569	-20.1%	
72.8%	2,828	2,198	-630	-22.3%	
74.1%	2,828	2,166	-662	-23.4%	
75.3%	2,828	2,093	-735	-26.0%	
76.5%	2,828	2,074	-754	-26.7%	
77.8%	2,828	1,992	-836	-29.6%	
79.0%	2,828	1,939	-889	-31.4%	
80.2%	2,828	1,899	-929	-32.9%	
81.5%	2,828	1,891	-937	-33.1%	
82.7%	2,823	1,889	-933	-33.1%	
84.0%	2,823	1,886	-937	-33.2%	
85.2%	2,820	1,859	-961	-34.1%	
86.4%	2,810	1,851	-959	-34.1%	
87.7%	2,799	1,836	-963	-34.4%	
88.9%	2,635	1,796	-839	-31.8%	
90.1%	2,247	1,764	-483	-21.5%	
91.4%	2,244	1,781	-463	-20.6%	
92.6%	2,163	1,787	-376	-17.4%	
93.8%	2,162	1,674	-488	-22.6%	
95.1%	2,128	1,673	-455	-21.4%	
96.3%	2,110	1,642	-468	-22.2%	
97.5%	2,082	1,607	-475	-22.8%	
98.8%	2,067	1,263	-803	-38.9%	
100.0%	2,064	1,228	-835	-40.5%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	2,224	3,000	776	34.9%	
1.2%	2,224	3,000	776	34.9%	
2.5%	2,224	3,000	776	34.9%	
3.7%	2,224	3,000	776	34.9%	
4.9%	2,224	2,627	403	18.1%	
6.2%	2,224	2,618	392	17.6%	
7.4%	2,224	2,608	384	17.3%	
8.6%	2,224	2,593	370	16.6%	
9.9%	2,224	2,548	324	14.6%	
11.1%	2,224	2,541	317	14.2%	
12.3%	2,224	2,444	220	9.9%	
13.6%	2,224	2,480	256	11.5%	
14.8%	2,224	2,443	219	9.8%	
16.0%	2,224	2,443	219	9.8%	
17.3%	2,224	2,443	219	9.8%	
18.5%	2,224	2,435	211	9.5%	
19.8%	2,224	2,413	189	8.5%	
21.0%	2,224	2,404	180	8.1%	
22.2%	2,224	2,339	115	5.2%	
23.5%	2,224	2,224	0	0.0%	
24.7%	2,224	2,224	0	0.0%	
25.9%	2,221	2,224	3	0.1%	
27.2%	2,221	2,224	3	0.1%	
28.4%	2,221	2,224	3	0.1%	
29.6%	2,214	2,224	10	0.5%	
30.9%	2,211	2,224	13	0.6%	
32.1%	2,203	2,224	21	0.9%	
33.3%	2,198	2,224	26	1.2%	
34.6%	2,178	2,223	45	2.1%	
35.8%	2,177	2,221	44	2.0%	
37.0%	2,175	2,216	42	1.9%	
38.3%	2,170	2,211	42	1.9%	
39.5%	2,145	2,194	49	2.3%	
40.7%	2,133	2,189	56	2.6%	
42.0%	2,129	2,178	49	2.3%	
43.2%	2,119	2,163	44	2.1%	
44.4%	2,114	2,157	44	2.1%	
45.7%	2,114	2,153	39	1.9%	
46.9%	2,114	2,144	30	1.4%	
48.1%	2,114	2,114	0	0.0%	
49.4%	2,114	2,114	0	0.0%	
50.6%	2,114	2,114	0	0.0%	
51.9%	2,114	2,114	0	0.0%	
53.1%	2,114	2,114	0	0.0%	
54.3%	2,114	2,114	0	0.0%	
55.6%	2,114	2,114	0	0.0%	
56.8%	2,114	2,114	0	0.0%	
58.0%	2,114	2,114	0	0.0%	
59.3%	2,114	2,114	0	0.0%	
60.5%	2,114	2,114	0	0.0%	
61.7%	2,114	2,109	-5	-0.2%	
63.0%	2,114	2,109	-5	-0.2%	
64.2%	2,114	2,103	-10	-0.5%	
65.4%	2,114	2,101	-13	-0.6%	
66.7%	2,114	2,084	-30	-1.4%	
67.9%	2,114	2,083	-31	-1.5%	
69.1%	2,114	2,074	-40	-1.9%	
70.4%	2,111	2,048	-63	-3.0%	

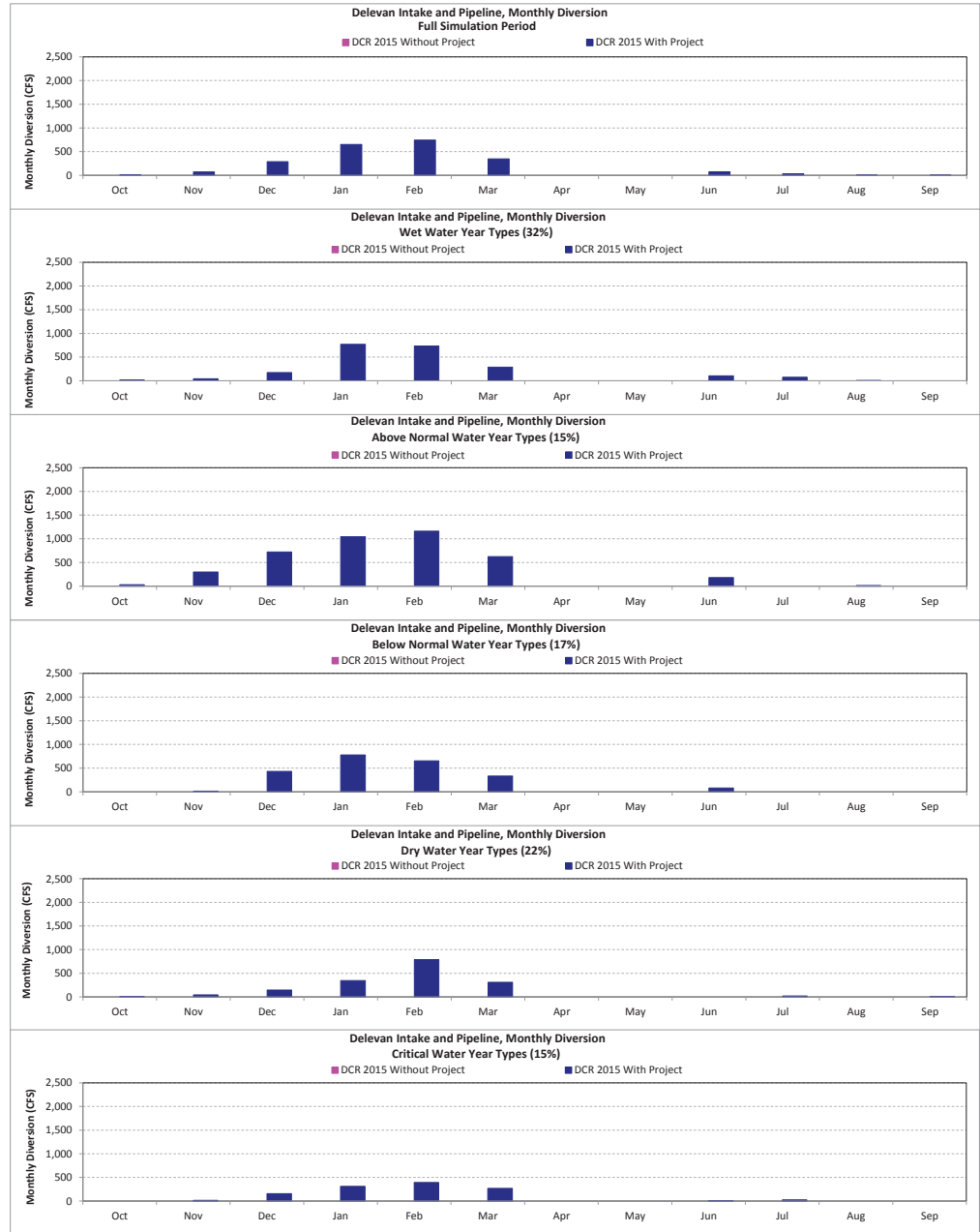
Table OP-03-a  
Delevan Intake and Pipeline, Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	11	72	289	651	744	346	0	0	74	32	5	2
Difference	11	72	289	651	744	346	0	0	74	32	5	2
Percent Difference <sup>2</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	15	42	175	770	732	288	0	0	103	75	7	0
Difference	15	42	175	770	732	288	0	0	103	75	7	0
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	31	301	723	1,044	1,160	623	0	0	180	0	16	0
Difference	31	301	723	1,044	1,160	623	0	0	180	0	16	0
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	0	14	432	777	652	332	0	0	81	0	0	0
Difference	0	14	432	777	652	332	0	0	81	0	0	0
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	10	44	145	346	790	310	0	0	22	0	11	0
Difference	10	44	145	346	790	310	0	0	22	0	11	0
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	0	17	156	312	392	267	0	0	10	25	0	0
Difference	0	17	156	312	392	267	0	0	10	25	0	0
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-03-b**  
**Delevan Intake and Pipeline, Monthly Diversion**  
**Probability of Exceedance**

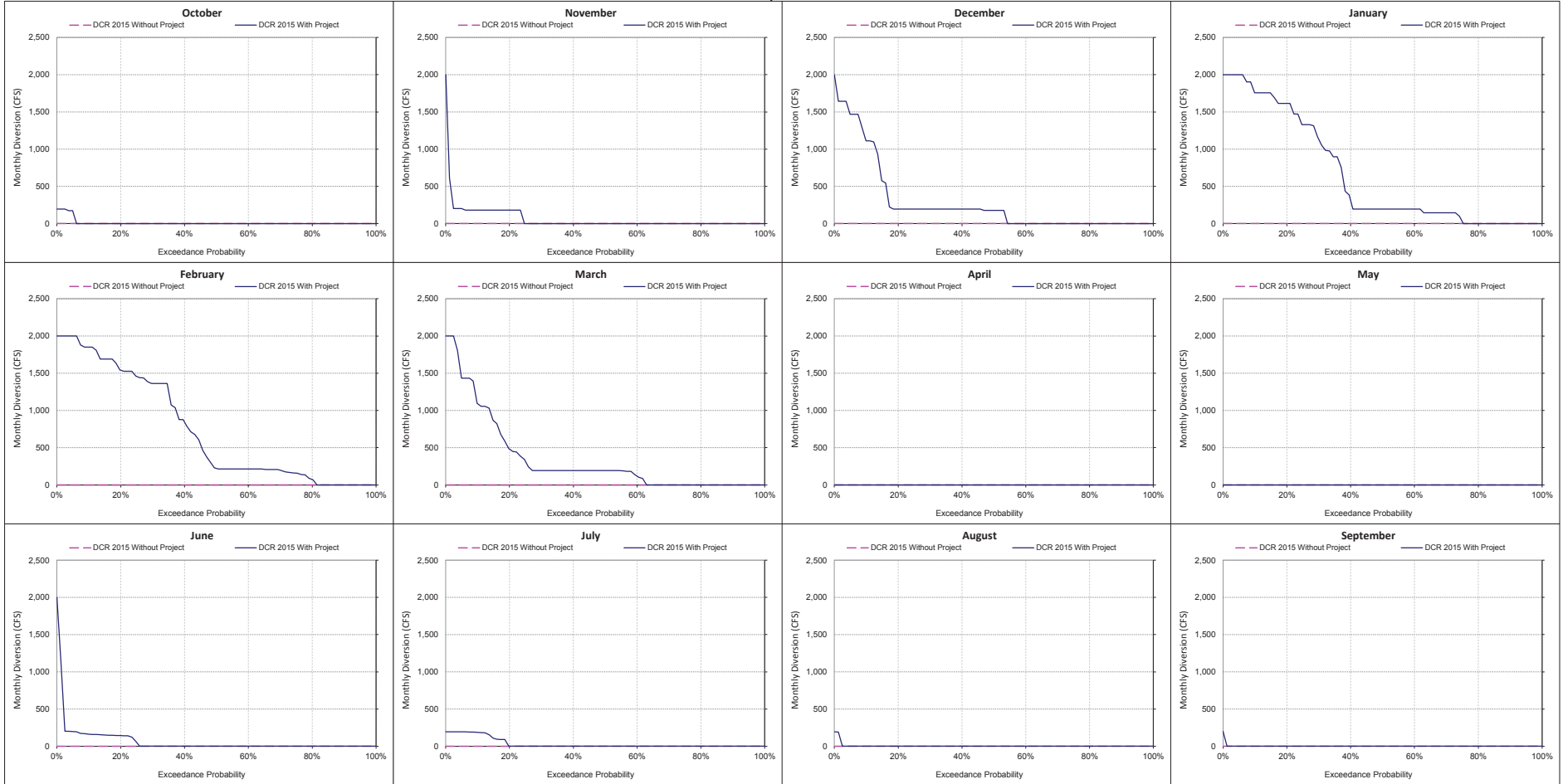


Table OP-03-b  
Delevan Intake and Pipeline, Monthly Diversion  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	174	174	
4.9%	0	174	174	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	607	607	
2.5%	0	200	200	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	179	179	
7.4%	0	179	179	
8.6%	0	179	179	
9.9%	0	179	179	
11.1%	0	179	179	
12.3%	0	179	179	
13.6%	0	179	179	
14.8%	0	179	179	
16.0%	0	179	179	
17.3%	0	179	179	
18.5%	0	179	179	
19.8%	0	179	179	
21.0%	0	179	179	
22.2%	0	179	179	
23.5%	0	179	179	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,644	1,644	
2.5%	0	1,644	1,644	
3.7%	0	1,644	1,644	
4.9%	0	1,467	1,467	
6.2%	0	1,467	1,467	
7.4%	0	1,467	1,467	
8.6%	0	1,289	1,289	
9.9%	0	1,111	1,111	
11.1%	0	1,111	1,111	
12.3%	0	1,098	1,098	
13.6%	0	933	933	
14.8%	0	578	578	
16.0%	0	544	544	
17.3%	0	221	221	
18.5%	0	194	194	
19.8%	0	194	194	
21.0%	0	194	194	
22.2%	0	194	194	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	178	178	
48.1%	0	178	178	
49.4%	0	178	178	
50.6%	0	178	178	
51.9%	0	178	178	
53.1%	0	178	178	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	1,902	1,902	
8.6%	0	1,902	1,902	
9.9%	0	1,758	1,758	
11.1%	0	1,758	1,758	
12.3%	0	1,758	1,758	
13.6%	0	1,758	1,758	
14.8%	0	1,758	1,758	
16.0%	0	1,693	1,693	
17.3%	0	1,615	1,615	
18.5%	0	1,615	1,615	
19.8%	0	1,615	1,615	
21.0%	0	1,615	1,615	
22.2%	0	1,471	1,471	
23.5%	0	1,471	1,471	
24.7%	0	1,328	1,328	
25.9%	0	1,328	1,328	
27.2%	0	1,328	1,328	
28.4%	0	1,315	1,315	
29.6%	0	1,165	1,165	
30.9%	0	1,054	1,054	
32.1%	0	983	983	
33.3%	0	975	975	
34.6%	0	898	898	
35.8%	0	898	898	
37.0%	0	754	754	
38.3%	0	432	432	
39.5%	0	383	383	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	143	143	
64.2%	0	143	143	
65.4%	0	143	143	
66.7%	0	143	143	
67.9%	0	143	143	
69.1%	0	143	143	
70.4%	0	143	143	
71.6%	0	143	143	
72.8%	0	143	143	
74.1%	0	98	98	
75.3%	0	0	0	



Table OP-03-b  
Delevan Intake and Pipeline, Monthly Diversion  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	1,860	1,860	
8.6%	0	1,852	1,852	
9.9%	0	1,852	1,852	
11.1%	0	1,850	1,850	
12.3%	0	1,807	1,807	
13.6%	0	1,689	1,689	
14.8%	0	1,689	1,689	
16.0%	0	1,689	1,689	
17.3%	0	1,689	1,689	
18.5%	0	1,638	1,638	
19.8%	0	1,544	1,544	
21.0%	0	1,527	1,527	
22.2%	0	1,527	1,527	
23.5%	0	1,527	1,527	
24.7%	0	1,463	1,463	
25.9%	0	1,442	1,442	
27.2%	0	1,436	1,436	
28.4%	0	1,368	1,368	
29.6%	0	1,364	1,364	
30.9%	0	1,364	1,364	
32.1%	0	1,364	1,364	
33.3%	0	1,364	1,364	
34.6%	0	1,364	1,364	
35.8%	0	1,075	1,075	
37.0%	0	1,039	1,039	
38.3%	0	877	877	
39.5%	0	877	877	
40.7%	0	787	787	
42.0%	0	714	714	
43.2%	0	678	678	
44.4%	0	606	606	
45.7%	0	464	464	
46.9%	0	376	376	
48.1%	0	304	304	
49.4%	0	227	227	
50.6%	0	214	214	
51.9%	0	214	214	
53.1%	0	214	214	
54.3%	0	214	214	
55.6%	0	214	214	
56.8%	0	214	214	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	214	214	
61.7%	0	214	214	
63.0%	0	214	214	
64.2%	0	214	214	
65.4%	0	207	207	
66.7%	0	207	207	
67.9%	0	207	207	
69.1%	0	207	207	
70.4%	0	192	192	
71.6%	0	175	175	
72.8%	0	169	169	
74.1%	0	163	163	
75.3%	0	156	156	
76.5%	0	139	139	
77.8%	0	135	135	
79.0%	0	89	89	
80.2%	0	67	67	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	1,806	1,806	
4.9%	0	1,434	1,434	
6.2%	0	1,434	1,434	
7.4%	0	1,434	1,434	
8.6%	0	1,394	1,394	
9.9%	0	1,096	1,096	
11.1%	0	1,056	1,056	
12.3%	0	1,056	1,056	
13.6%	0	1,030	1,030	
14.8%	0	867	867	
16.0%	0	824	824	
17.3%	0	679	679	
18.5%	0	589	589	
19.8%	0	489	489	
21.0%	0	450	450	
22.2%	0	443	443	
23.5%	0	384	384	
24.7%	0	343	343	
25.9%	0	243	243	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	189	189	
56.8%	0	181	181	
58.0%	0	181	181	
59.3%	0	140	140	
60.5%	0	104	104	
61.7%	0	85	85	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	

Table OP-03-b  
Delevan Intake and Pipeline, Monthly Diversion  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,137	1,137	
2.5%	0	200	200	
3.7%	0	200	200	
4.9%	0	197	197	
6.2%	0	193	193	
7.4%	0	172	172	
8.6%	0	169	169	
9.9%	0	162	162	
11.1%	0	160	160	
12.3%	0	159	159	
13.6%	0	154	154	
14.8%	0	150	150	
16.0%	0	148	148	
17.3%	0	146	146	
18.5%	0	146	146	
19.8%	0	145	145	
21.0%	0	141	141	
22.2%	0	141	141	
23.5%	0	122	122	
24.7%	0	67	67	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	194	194	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	187	187	
11.1%	0	183	183	
12.3%	0	180	180	
13.6%	0	153	153	
14.8%	0	107	107	
16.0%	0	93	93	
17.3%	0	92	92	
18.5%	0	91	91	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	190	190	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	194	194	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	200	200	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	

**Figure OP-08-b**  
**Delevan Intake and Pipeline (to Local Use), Monthly Diversion**  
**Probability of Exceedance**

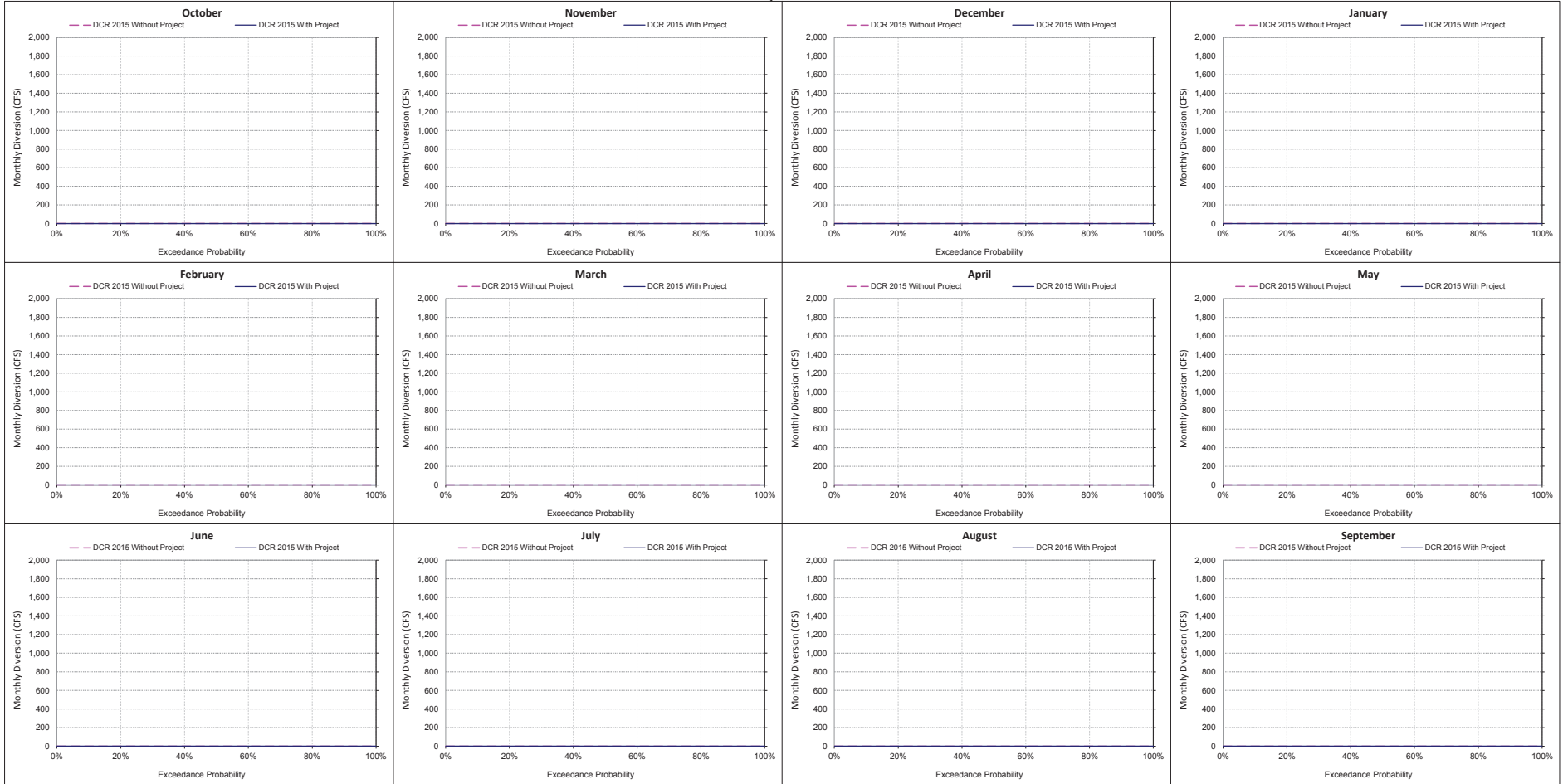








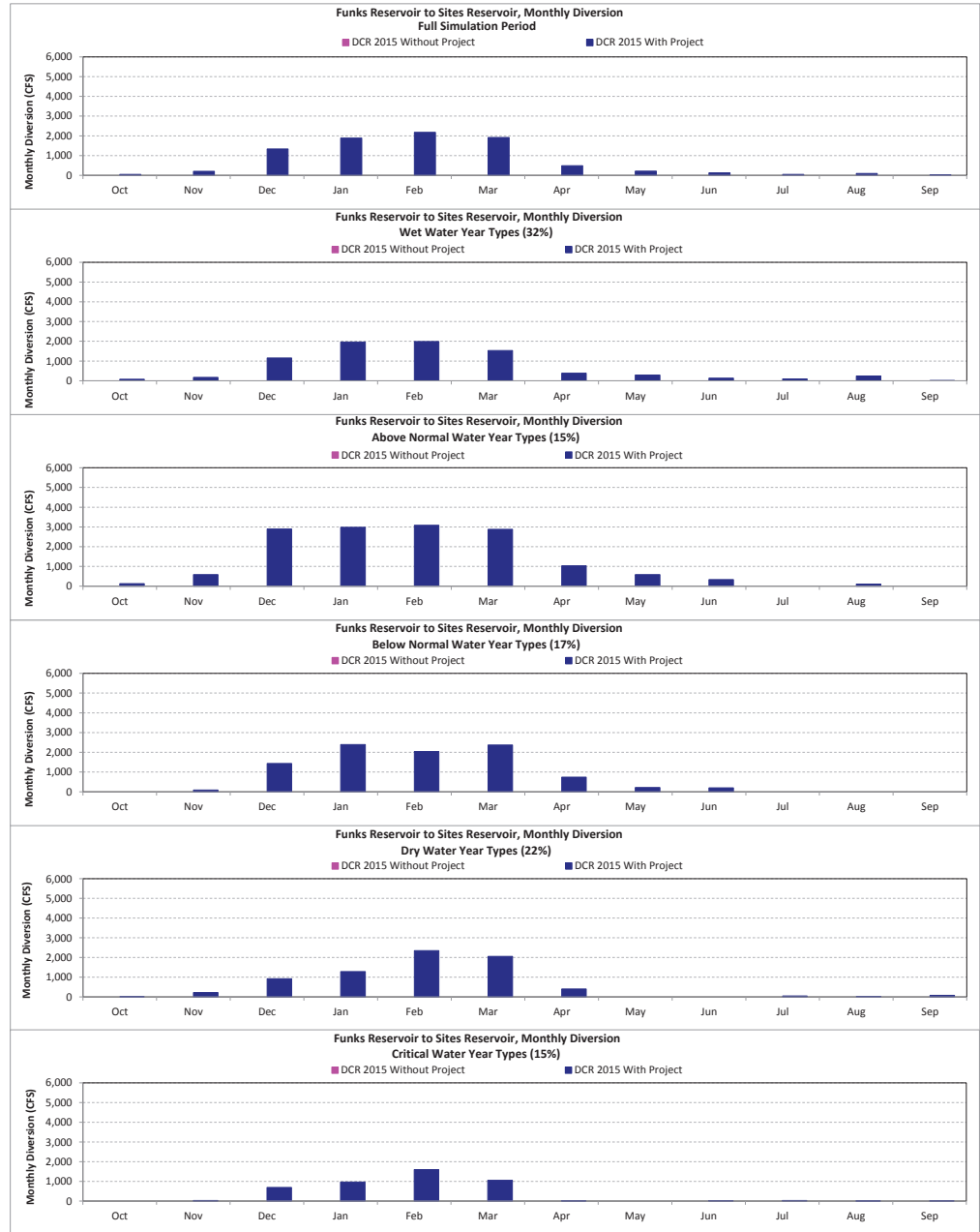
Table OP-04-a  
Funks Reservoir to Sites Reservoir, Monthly Diversion  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	47	208	1,339	1,891	2,179	1,916	491	215	129	46	98	24
Difference	47	208	1,339	1,891	2,179	1,916	491	215	129	46	98	24
Percent Difference <sup>3</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	80	172	1,155	1,962	1,987	1,529	388	288	137	96	244	13
Difference	80	172	1,155	1,962	1,987	1,529	388	288	137	96	244	13
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	133	581	2,894	2,980	3,088	2,882	1,032	589	333	0	107	0
Difference	133	581	2,894	2,980	3,088	2,882	1,032	589	333	0	107	0
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	0	89	1,435	2,392	2,037	2,368	745	219	201	0	0	0
Difference	0	89	1,435	2,392	2,037	2,368	745	219	201	0	0	0
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	10	223	925	1,289	2,350	2,055	402	0	0	50	21	81
Difference	10	223	925	1,289	2,350	2,055	402	0	0	50	21	81
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	0	28	689	965	1,594	1,052	10	0	19	32	2	12
Difference	0	28	689	965	1,594	1,052	10	0	19	32	2	12
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-04-b**  
**Funks Reservoir to Sites Reservoir, Monthly Diversion**  
**Probability of Exceedance**

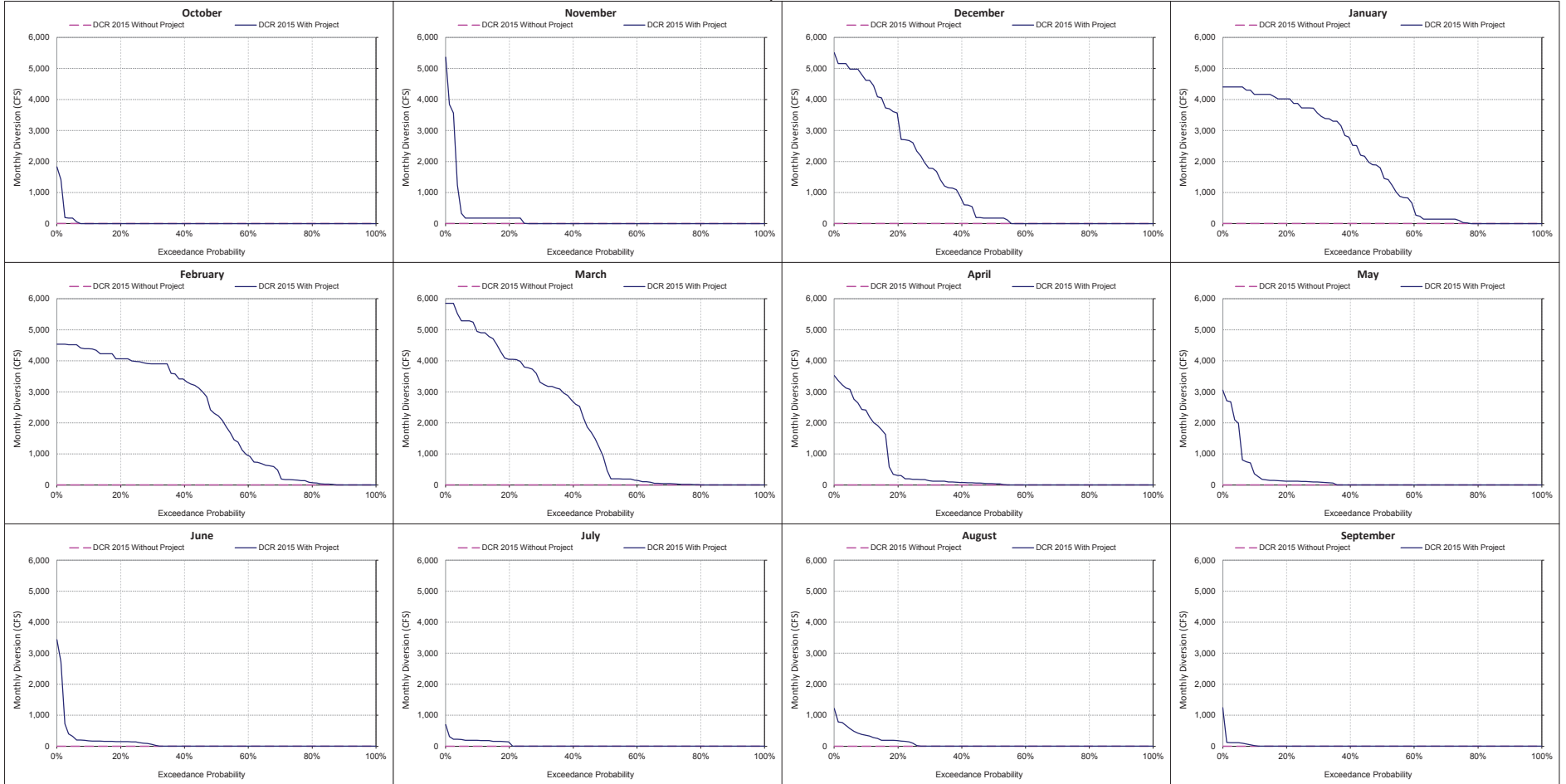




Table OP-04-b  
Funks Reservoir to Sites Reservoir, Monthly Diversion  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,829	1,829	
1.2%	0	1,419	1,419	
2.5%	0	194	194	
3.7%	0	174	174	
4.9%	0	174	174	
6.2%	0	54	54	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,366	5,366	
1.2%	0	3,836	3,836	
2.5%	0	3,566	3,566	
3.7%	0	1,240	1,240	
4.9%	0	330	330	
6.2%	0	179	179	
7.4%	0	179	179	
8.6%	0	179	179	
9.9%	0	179	179	
11.1%	0	179	179	
12.3%	0	179	179	
13.6%	0	179	179	
14.8%	0	179	179	
16.0%	0	179	179	
17.3%	0	179	179	
18.5%	0	179	179	
19.8%	0	179	179	
21.0%	0	179	179	
22.2%	0	179	179	
23.5%	0	179	179	
24.7%	0	8	8	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,155	5,155	
2.5%	0	5,155	5,155	
3.7%	0	5,155	5,155	
4.9%	0	4,978	4,978	
6.2%	0	4,978	4,978	
7.4%	0	4,978	4,978	
8.6%	0	4,800	4,800	
9.9%	0	4,622	4,622	
11.1%	0	4,622	4,622	
12.3%	0	4,444	4,444	
13.6%	0	4,089	4,089	
14.8%	0	4,055	4,055	
16.0%	0	3,732	3,732	
17.3%	0	3,705	3,705	
18.5%	0	3,612	3,612	
19.8%	0	3,569	3,569	
21.0%	0	2,714	2,714	
22.2%	0	2,697	2,697	
23.5%	0	2,676	2,676	
24.7%	0	2,610	2,610	
25.9%	0	2,334	2,334	
27.2%	0	2,182	2,182	
28.4%	0	1,957	1,957	
29.6%	0	1,785	1,785	
30.9%	0	1,780	1,780	
32.1%	0	1,679	1,679	
33.3%	0	1,408	1,408	
34.6%	0	1,211	1,211	
35.8%	0	1,152	1,152	
37.0%	0	1,147	1,147	
38.3%	0	1,096	1,096	
39.5%	0	878	878	
40.7%	0	600	600	
42.0%	0	594	594	
43.2%	0	546	546	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	178	178	
48.1%	0	178	178	
49.4%	0	178	178	
50.6%	0	178	178	
51.9%	0	178	178	
53.1%	0	178	178	
54.3%	0	118	118	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,161	4,161	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,403	4,403	
6.2%	0	4,403	4,403	
7.4%	0	4,305	4,305	
8.6%	0	4,305	4,305	
9.9%	0	4,161	4,161	
11.1%	0	4,161	4,161	
12.3%	0	4,161	4,161	
13.6%	0	4,161	4,161	
14.8%	0	4,161	4,161	
16.0%	0	4,096	4,096	
17.3%	0	4,018	4,018	
18.5%	0	4,018	4,018	
19.8%	0	4,018	4,018	
21.0%	0	4,018	4,018	
22.2%	0	3,874	3,874	
23.5%	0	3,874	3,874	
24.7%	0	3,731	3,731	
25.9%	0	3,731	3,731	
27.2%	0	3,731	3,731	
28.4%	0	3,718	3,718	
29.6%	0	3,568	3,568	
30.9%	0	3,457	3,457	
32.1%	0	3,386	3,386	
33.3%	0	3,377	3,377	
34.6%	0	3,300	3,300	
35.8%	0	3,300	3,300	
37.0%	0	3,157	3,157	
38.3%	0	2,835	2,835	
39.5%	0	2,786	2,786	
40.7%	0	2,520	2,520	
42.0%	0	2,512	2,512	
43.2%	0	2,209	2,209	
44.4%	0	2,171	2,171	
45.7%	0	1,980	1,980	
46.9%	0	1,893	1,893	
48.1%	0	1,889	1,889	
49.4%	0	1,791	1,791	
50.6%	0	1,448	1,448	
51.9%	0	1,418	1,418	
53.1%	0	1,227	1,227	
54.3%	0	1,013	1,013	
55.6%	0	874	874	
56.8%	0	838	838	
58.0%	0	830	830	
59.3%	0	663	663	
60.5%	0	268	268	
61.7%	0	236	236	
63.0%	0	143	143	
64.2%	0	143	143	
65.4%	0	143	143	
66.7%	0	143	143	
67.9%	0	143	143	
69.1%	0	143	143	
70				

Table OP-04-b  
Funks Reservoir to Sites Reservoir, Monthly Diversion  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,521	4,521	
4.9%	0	4,521	4,521	
6.2%	0	4,521	4,521	
7.4%	0	4,416	4,416	
8.6%	0	4,388	4,388	
9.9%	0	4,388	4,388	
11.1%	0	4,386	4,386	
12.3%	0	4,343	4,343	
13.6%	0	4,225	4,225	
14.8%	0	4,225	4,225	
16.0%	0	4,225	4,225	
17.3%	0	4,225	4,225	
18.5%	0	4,065	4,065	
19.8%	0	4,063	4,063	
21.0%	0	4,063	4,063	
22.2%	0	4,063	4,063	
23.5%	0	3,999	3,999	
24.7%	0	3,978	3,978	
25.9%	0	3,972	3,972	
27.2%	0	3,938	3,938	
28.4%	0	3,909	3,909	
29.6%	0	3,900	3,900	
30.9%	0	3,900	3,900	
32.1%	0	3,900	3,900	
33.3%	0	3,900	3,900	
34.6%	0	3,900	3,900	
35.8%	0	3,596	3,596	
37.0%	0	3,575	3,575	
38.3%	0	3,413	3,413	
39.5%	0	3,413	3,413	
40.7%	0	3,323	3,323	
42.0%	0	3,250	3,250	
43.2%	0	3,214	3,214	
44.4%	0	3,127	3,127	
45.7%	0	3,000	3,000	
46.9%	0	2,840	2,840	
48.1%	0	2,426	2,426	
49.4%	0	2,305	2,305	
50.6%	0	2,225	2,225	
51.9%	0	2,079	2,079	
53.1%	0	1,869	1,869	
54.3%	0	1,675	1,675	
55.6%	0	1,457	1,457	
56.8%	0	1,375	1,375	
58.0%	0	1,131	1,131	
59.3%	0	987	987	
60.5%	0	914	914	
61.7%	0	739	739	
63.0%	0	732	732	
64.2%	0	686	686	
65.4%	0	632	632	
66.7%	0	620	620	
67.9%	0	588	588	
69.1%	0	480	480	
70.4%	0	192	192	
71.6%	0	175	175	
72.8%	0	169	169	
74.1%	0	163	163	
75.3%	0	156	156	
76.5%	0	139	139	
77.8%	0	135	135	
79.0%	0	89	89	
80.2%	0	67	67	
81.5%	0	64	64	
82.7%	0	35	35	
84.0%	0	26	26	
85.2%	0	25	25	
86.4%	0	20	20	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,518	5,518	
4.9%	0	5,286	5,286	
6.2%	0	5,286	5,286	
7.4%	0	4,416	4,416	
8.6%	0	5,246	5,246	
9.9%	0	4,948	4,948	
11.1%	0	4,908	4,908	
12.3%	0	4,908	4,908	
13.6%	0	4,782	4,782	
14.8%	0	4,719	4,719	
16.0%	0	4,531	4,531	
17.3%	0	4,295	4,295	
18.5%	0	4,095	4,095	
19.8%	0	4,046	4,046	
21.0%	0	4,046	4,046	
22.2%	0	4,040	4,040	
23.5%	0	3,984	3,984	
24.7%	0	3,803	3,803	
25.9%	0	3,776	3,776	
27.2%	0	3,735	3,735	
28.4%	0	3,593	3,593	
29.6%	0	3,316	3,316	
30.9%	0	3,239	3,239	
32.1%	0	3,178	3,178	
33.3%	0	3,172	3,172	
34.6%	0	3,123	3,123	
35.8%	0	3,087	3,087	
37.0%	0	2,965	2,965	
38.3%	0	2,883	2,883	
39.5%	0	2,729	2,729	
40.7%	0	2,601	2,601	
42.0%	0	2,533	2,533	
43.2%	0	2,161	2,161	
44.4%	0	1,870	1,870	
45.7%	0	1,691	1,691	
46.9%	0	1,484	1,484	
48.1%	0	1,209	1,209	
49.4%	0	921	921	
50.6%	0	459	459	
51.9%	0	196	196	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	189	189	
56.8%	0	189	189	
58.0%	0	189	189	
59.3%	0	155	155	
60.5%	0	140	140	
61.7%	0	106	106	
63.0%	0	104	104	
64.2%	0	85	85	
65.4%	0	55	55	
66.7%	0	49	49	
67.9%	0	44	44	
69.1%	0	43	43	
70.4%	0	41	41	
71.6%	0	35	35	
72.8%	0	26	26	
74.1%	0	16	16	
75.3%	0	15	15	
76.5%	0	15	15	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,527	3,527	
1.2%	0	3,362	3,362	
2.5%	0	3,224	3,224	
3.7%	0	3,122	3,122	
4.9%	0	3,078	3,078	
6.2%	0	2,764	2,764	
7.4%	0	2,649	2,649	
8.6%	0	2,431	2,431	
9.9%	0	2,414	2,414	
11.1%	0	2,188	2,188	
12.3%	0	2,009	2,009	
13.6%	0	1,922	1,922	
14.8%	0	1,778	1,778	
16.0%	0	1,631	1,631	
17.3%	0	583	583	
18.5%	0	347	347	
19.8%	0	305	305	
21.0%	0	303	303	
22.2%	0	197	197	
23.5%	0	197	197	
24.7%	0	184	184	
25.9%	0	182	182	
27.2%	0	173	173	
28.4%	0	170	170	
29.6%	0	141	141	
30.9%	0	120	120	
32.1%	0	118	118	
33.3%	0	118	118	
34.6%	0	117	117	
35.8%	0	96	96	
37.0%	0	95	95	
38.3%	0	82	82	
39.5%	0	79	79	
40.7%	0	74	74	
42.0%	0	73	73	
43.2%	0	68	68	
44.4%	0	65	65	
45.7%	0	57	57	
46.9%	0	53	53	
48.1%	0	44	44	
49.4%	0	41	41	
50.6%	0	38	38	
51.9%	0	37	37	
53.1%	0	7	7	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,059	3,059	
1.2%	0	2,717	2,717	
2.5%	0	2,680	2,680	
3.7%	0	2,093	2,093	
4.9%	0	1,987	1,987	
6.2%	0	802	802	
7.4%	0	748	748	
8.6%	0	708	708	
9.9%	0	359	359	
11.1%	0	268	268	
12.3%	0	182	182	
13.6%	0	167	167	
14.8%	0	146	146	
16.0%	0	144	144	
17.3%	0	139	139	
18.5%	0	127	127	
19.8%	0	124	124	
21.0%	0	123	123	
22.2%	0	122	122	
23.5%	0	120	120	
24.7%	0	110	110	
25.9%	0	108	108	
27.2%	0	105	105	
28.4%	0	84	84	
29.6%	0	91	91	
30.9%	0	84	84	
32.1%	0	77	77	
33.3%	0	72	72	
34.6%	0	59	59	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	

Table OP-04-b  
Funks Reservoir to Sites Reservoir, Monthly Diversion  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,438	3,438	
1.2%	0	2,723	2,723	
2.5%	0	723	723	
3.7%	0	400	400	
4.9%	0	323	323	
6.2%	0	197	197	
7.4%	0	197	197	
8.6%	0	193	193	
9.9%	0	172	172	
11.1%	0	169	169	
12.3%	0	163	163	
13.6%	0	162	162	
14.8%	0	160	160	
16.0%	0	159	159	
17.3%	0	154	154	
18.5%	0	150	150	
19.8%	0	148	148	
21.0%	0	146	146	
22.2%	0	145	145	
23.5%	0	141	141	
24.7%	0	141	141	
25.9%	0	115	115	
27.2%	0	97	97	
28.4%	0	87	87	
29.6%	0	67	67	
30.9%	0	26	26	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	698	698	
1.2%	0	310	310	
2.5%	0	225	225	
3.7%	0	224	224	
4.9%	0	220	220	
6.2%	0	194	194	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	187	187	
12.3%	0	183	183	
13.6%	0	180	180	
14.8%	0	160	160	
16.0%	0	158	158	
17.3%	0	158	158	
18.5%	0	153	153	
19.8%	0	143	143	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,223	1,223	
1.2%	0	763	763	
2.5%	0	765	765	
3.7%	0	675	675	
4.9%	0	572	572	
6.2%	0	483	483	
7.4%	0	424	424	
8.6%	0	378	378	
9.9%	0	353	353	
11.1%	0	326	326	
12.3%	0	276	276	
13.6%	0	250	250	
14.8%	0	191	191	
16.0%	0	190	190	
17.3%	0	190	190	
18.5%	0	190	190	
19.8%	0	184	184	
21.0%	0	164	164	
22.2%	0	157	157	
23.5%	0	143	143	
24.7%	0	99	99	
25.9%	0	21	21	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Diversion (CFS)	DCR 2015 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,248	1,248	
1.2%	0	783	783	
2.5%	0	117	117	
3.7%	0	111	111	
4.9%	0	111	111	
6.2%	0	98	98	
7.4%	0	71	71	
8.6%	0	49	49	
9.9%	0	25	25	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0			

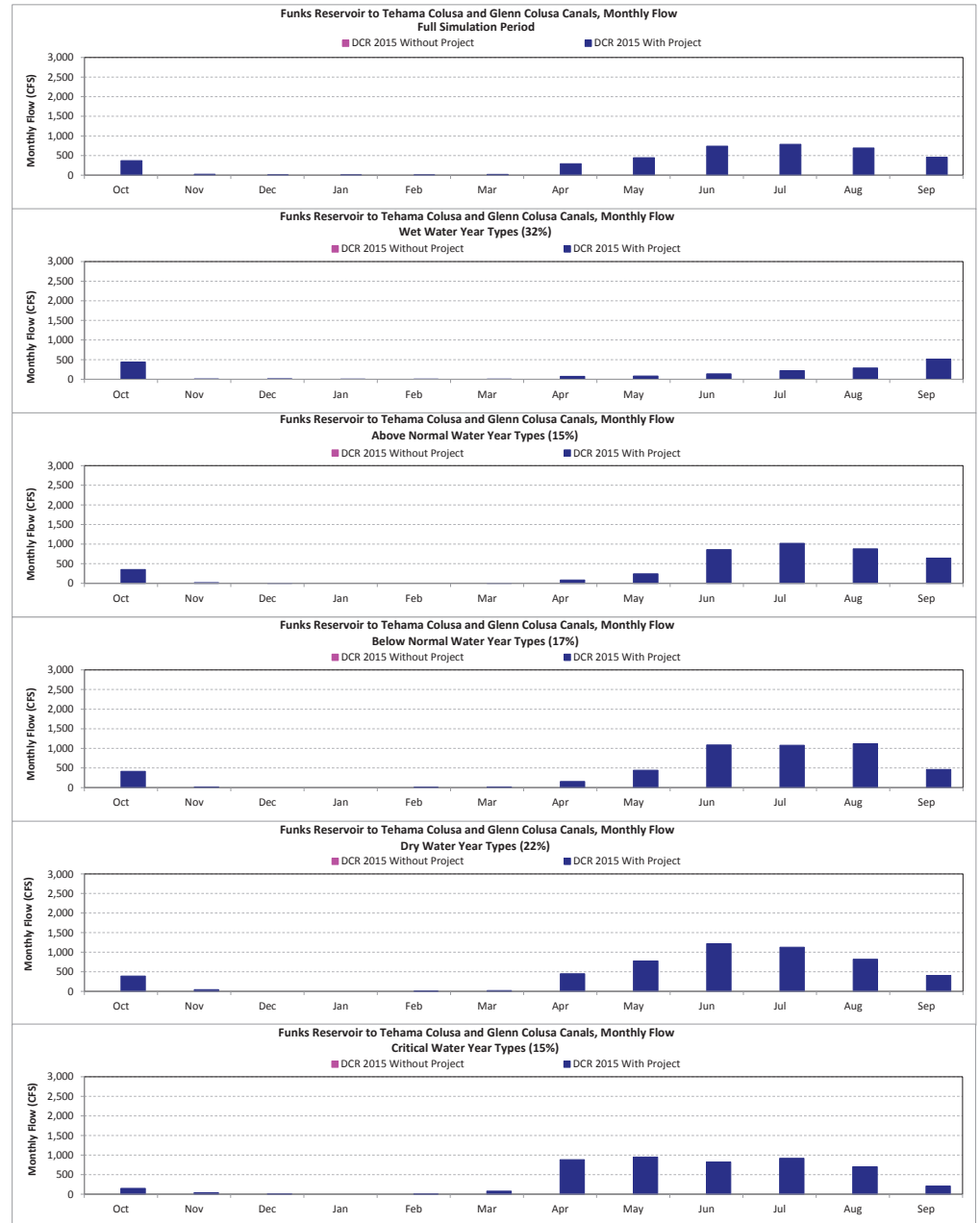
Table OP-05-a  
 Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow  
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	369	24	6	0	2	20	291	447	741	785	692	456
Difference	369	24	6	0	2	20	291	447	741	785	692	456
Percent Difference <sup>2</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	438	9	13	1	0	3	76	83	136	219	286	513
Difference	438	9	13	1	0	3	76	83	136	219	286	513
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	350	18	0	0	0	4	85	243	858	1,019	877	644
Difference	350	18	0	0	0	4	85	243	858	1,019	877	644
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	415	18	0	0	5	17	155	444	1,085	1,081	1,118	463
Difference	415	18	0	0	5	17	155	444	1,085	1,081	1,118	463
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	392	44	0	0	1	19	451	775	1,216	1,126	820	408
Difference	392	44	0	0	1	19	451	775	1,216	1,126	820	408
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	150	38	12	0	6	77	881	949	821	918	701	208
Difference	150	38	12	0	6	77	881	949	821	918	701	208
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-05-b**  
**Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow**  
**Probability of Exceedance**

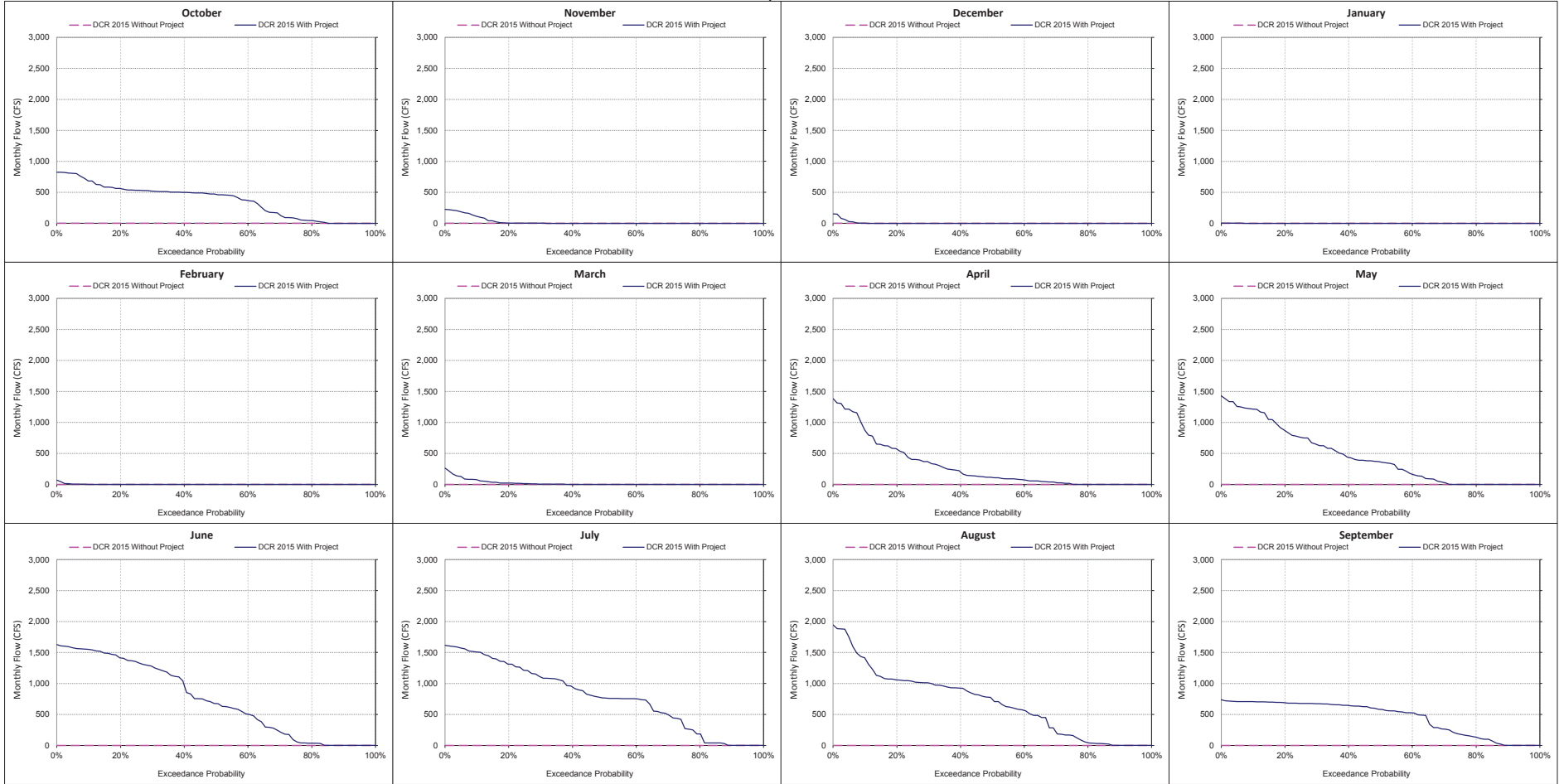


Table OP-05-b  
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	825	825	
1.2%	0	824	824	
2.5%	0	821	821	
3.7%	0	811	811	
4.9%	0	805	805	
6.2%	0	805	805	
7.4%	0	761	761	
8.6%	0	725	725	
9.9%	0	681	681	
11.1%	0	681	681	
12.3%	0	626	626	
13.6%	0	622	622	
14.8%	0	585	585	
16.0%	0	582	582	
17.3%	0	580	580	
18.5%	0	563	563	
19.8%	0	563	563	
21.0%	0	549	549	
22.2%	0	537	537	
23.5%	0	536	536	
24.7%	0	532	532	
25.9%	0	531	531	
27.2%	0	530	530	
28.4%	0	530	530	
29.6%	0	519	519	
30.9%	0	515	515	
32.1%	0	513	513	
33.3%	0	512	512	
34.6%	0	510	510	
35.8%	0	505	505	
37.0%	0	504	504	
38.3%	0	501	501	
39.5%	0	501	501	
40.7%	0	500	500	
42.0%	0	496	496	
43.2%	0	491	491	
44.4%	0	490	490	
45.7%	0	489	489	
46.9%	0	484	484	
48.1%	0	474	474	
49.4%	0	471	471	
50.6%	0	462	462	
51.9%	0	460	460	
53.1%	0	455	455	
54.3%	0	451	451	
55.6%	0	444	444	
56.8%	0	414	414	
58.0%	0	377	377	
59.3%	0	375	375	
60.5%	0	360	360	
61.7%	0	359	359	
63.0%	0	319	319	
64.2%	0	261	261	
65.4%	0	205	205	
66.7%	0	178	178	
67.9%	0	173	173	
69.1%	0	170	170	
70.4%	0	122	122	
71.6%	0	92	92	
72.8%	0	91	91	
74.1%	0	87	87	
75.3%	0	76	76	
76.5%	0	53	53	
77.8%	0	47	47	
79.0%	0	46	46	
80.2%	0	43	43	
81.5%	0	31	31	
82.7%	0	23	23	
84.0%	0	14	14	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	224	224	
1.2%	0	221	221	
2.5%	0	212	212	
3.7%	0	205	205	
4.9%	0	186	186	
6.2%	0	171	171	
7.4%	0	162	162	
8.6%	0	136	136	
9.9%	0	112	112	
11.1%	0	96	96	
12.3%	0	83	83	
13.6%	0	39	39	
14.8%	0	39	39	
16.0%	0	22	22	
17.3%	0	12	12	
18.5%	0	6	6	
19.8%	0	4	4	
21.0%	0	4	4	
22.2%	0	3	3	
23.5%	0	3	3	
24.7%	0	2	2	
25.9%	0	1	1	
27.2%	0	1	1	
28.4%	0	1	1	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	154	154	
1.2%	0	146	146	
2.5%	0	77	77	
3.7%	0	61	61	
4.9%	0	28	28	
6.2%	0	22	22	
7.4%	0	7	7	
8.6%	0	2	2	
9.9%	0	2	2	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4	
1.2%	0	4	4	
2.5%	0	4	4	
3.7%	0	4	4	
4.9%	0	3	3	
6.2%	0	3	3	
7.4%	0	0	0	
8.6%	0	2	2	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	

Table OP-05-b  
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	69	69	
1.2%	0	45	45	
2.5%	0	14	14	
3.7%	0	12	12	
4.9%	0	3	3	
6.2%	0	3	3	
7.4%	0	3	3	
8.6%	0	3	3	
9.9%	0	1	1	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	263	263	
1.2%	0	166	166	
2.5%	0	136	136	
3.7%	0	130	130	
4.9%	0	85	85	
6.2%	0	83	83	
7.4%	0	82	82	
8.6%	0	78	78	
9.9%	0	54	54	
11.1%	0	50	50	
12.3%	0	42	42	
13.6%	0	36	36	
14.8%	0	34	34	
16.0%	0	20	20	
17.3%	0	20	20	
18.5%	0	20	20	
19.8%	0	20	20	
21.0%	0	20	20	
22.2%	0	17	17	
23.5%	0	16	16	
24.7%	0	13	13	
25.9%	0	12	12	
27.2%	0	8	8	
28.4%	0	7	7	
29.6%	0	7	7	
30.9%	0	6	6	
32.1%	0	5	5	
33.3%	0	4	4	
34.6%	0	3	3	
35.8%	0	3	3	
37.0%	0	3	3	
38.3%	0	2	2	
39.5%	0	2	2	
40.7%	0	1	1	
42.0%	0	1	1	
43.2%	0	1	1	
44.4%	0	1	1	
45.7%	0	1	1	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	1,382	1,382	
1.2%	0	1,314	1,314	
2.5%	0	1,304	1,304	
3.7%	0	1,215	1,215	
4.9%	0	1,214	1,214	
6.2%	0	1,172	1,172	
7.4%	0	1,158	1,158	
8.6%	0	1,011	1,011	
9.9%	0	878	878	
11.1%	0	794	794	
12.3%	0	781	781	
13.6%	0	653	653	
14.8%	0	648	648	
16.0%	0	624	624	
17.3%	0	623	623	
18.5%	0	581	581	
19.8%	0	580	580	
21.0%	0	537	537	
22.2%	0	514	514	
23.5%	0	438	438	
24.7%	0	405	405	
25.9%	0	401	401	
27.2%	0	392	392	
28.4%	0	370	370	
29.6%	0	368	368	
30.9%	0	332	332	
32.1%	0	327	327	
33.3%	0	305	305	
34.6%	0	275	275	
35.8%	0	250	250	
37.0%	0	239	239	
38.3%	0	232	232	
39.5%	0	224	224	
40.7%	0	169	169	
42.0%	0	147	147	
43.2%	0	142	142	
44.4%	0	136	136	
45.7%	0	128	128	
46.9%	0	124	124	
48.1%	0	117	117	
49.4%	0	114	114	
50.6%	0	109	109	
51.9%	0	108	108	
53.1%	0	94	94	
54.3%	0	92	92	
55.6%	0	89	89	
56.8%	0	89	89	
58.0%	0	81	81	
59.3%	0	79	79	
60.5%	0	70	70	
61.7%	0	56	56	
63.0%	0	56	56	
64.2%	0	54	54	
65.4%	0	48	48	
66.7%	0	43	43	
67.9%	0	40	40	
69.1%	0	38	38	
70.4%	0	26	26	
71.6%	0	25	25	
72.8%	0	18	18	
74.1%	0	17	17	
75.3%	0	2	2	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	May		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	1,431	1,431	
1.2%	0	1,381	1,381	
2.5%	0	1,337	1,337	
3.7%	0	1,335	1,335	
4.9%	0	1,259	1,259	
6.2%	0	1,249	1,249	
7.4%	0	1,232	1,232	
8.6%	0	1,223	1,223	
9.9%	0	1,216	1,216	
11.1%	0	1,211	1,211	
12.3%	0	1,169	1,169	
13.6%	0	1,154	1,154	
14.8%	0	1,049	1,049	
16.0%	0	1,046	1,046	
17.3%	0	979	979	
18.5%	0	915	915	
19.8%	0	877	877	
21.0%	0	833	833	
22.2%	0	792	792	
23.5%	0	780	780	
24.7%	0	761	761	
25.9%	0	750	750	
27.2%	0	748	748	
28.4%	0	672	672	
29.6%	0	649	649	
30.9%	0	624	624	
32.1%	0	623	623	
33.3%	0	583	583	
34.6%	0	583	583	
35.8%	0	543	543	
37.0%	0	507	507	
38.3%	0	488	488	
39.5%	0	442	442	
40.7%	0	429	429	
42.0%	0	404	404	
43.2%	0	391	391	
44.4%	0	389	389	
45.7%	0	382	382	
46.9%	0	380	380	
48.1%	0	373	373	
49.4%	0	368	368	
50.6%	0	357	357	
51.9%	0	349	349	
53.1%	0	339	339	
54.3%	0	322	322	
55.6%	0	246	246	
56.8%	0	245	245	
58.0%	0	213	213	
59.3%	0	177	177	
60.5%	0	153	153	
61.7%	0	139	139	
63.0%	0	134	134	
64.2%	0	93	93	
65.4%	0	91	91	
66.7%	0	86	86	
67.9%	0	53	53	
69.1%	0	39	39	
70.4%	0	27	27	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	

Table OP-05-b  
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,629	1,629	
1.2%	0	1,606	1,606	
2.5%	0	1,604	1,604	
3.7%	0	1,593	1,593	
4.9%	0	1,577	1,577	
6.2%	0	1,564	1,564	
7.4%	0	1,562	1,562	
8.6%	0	1,555	1,555	
9.9%	0	1,550	1,550	
11.1%	0	1,541	1,541	
12.3%	0	1,527	1,527	
13.6%	0	1,522	1,522	
14.8%	0	1,493	1,493	
16.0%	0	1,486	1,486	
17.3%	0	1,471	1,471	
18.5%	0	1,460	1,460	
19.8%	0	1,412	1,412	
21.0%	0	1,404	1,404	
22.2%	0	1,371	1,371	
23.5%	0	1,368	1,368	
24.7%	0	1,356	1,356	
25.9%	0	1,329	1,329	
27.2%	0	1,309	1,309	
28.4%	0	1,293	1,293	
29.6%	0	1,280	1,280	
30.9%	0	1,246	1,246	
32.1%	0	1,227	1,227	
33.3%	0	1,206	1,206	
34.6%	0	1,181	1,181	
35.8%	0	1,133	1,133	
37.0%	0	1,114	1,114	
38.3%	0	1,106	1,106	
39.5%	0	1,041	1,041	
40.7%	0	854	854	
42.0%	0	834	834	
43.2%	0	755	755	
44.4%	0	753	753	
45.7%	0	750	750	
46.9%	0	720	720	
48.1%	0	708	708	
49.4%	0	679	679	
50.6%	0	672	672	
51.9%	0	631	631	
53.1%	0	625	625	
54.3%	0	616	616	
55.6%	0	599	599	
56.8%	0	585	585	
58.0%	0	549	549	
59.3%	0	513	513	
60.5%	0	499	499	
61.7%	0	477	477	
63.0%	0	418	418	
64.2%	0	381	381	
65.4%	0	296	296	
66.7%	0	294	294	
67.9%	0	281	281	
69.1%	0	244	244	
70.4%	0	213	213	
71.6%	0	180	180	
72.8%	0	176	176	
74.1%	0	96	96	
75.3%	0	57	57	
76.5%	0	42	42	
77.8%	0	42	42	
79.0%	0	36	36	
80.2%	0	35	35	
81.5%	0	34	34	
82.7%	0	31	31	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,617	1,617	
1.2%	0	1,607	1,607	
2.5%	0	1,598	1,598	
3.7%	0	1,589	1,589	
4.9%	0	1,573	1,573	
6.2%	0	1,559	1,559	
7.4%	0	1,525	1,525	
8.6%	0	1,516	1,516	
9.9%	0	1,510	1,510	
11.1%	0	1,506	1,506	
12.3%	0	1,464	1,464	
13.6%	0	1,449	1,449	
14.8%	0	1,407	1,407	
16.0%	0	1,399	1,399	
17.3%	0	1,359	1,359	
18.5%	0	1,355	1,355	
19.8%	0	1,310	1,310	
21.0%	0	1,310	1,310	
22.2%	0	1,267	1,267	
23.5%	0	1,263	1,263	
24.7%	0	1,213	1,213	
25.9%	0	1,211	1,211	
27.2%	0	1,161	1,161	
28.4%	0	1,151	1,151	
29.6%	0	1,116	1,116	
30.9%	0	1,085	1,085	
32.1%	0	1,084	1,084	
33.3%	0	1,078	1,078	
34.6%	0	1,074	1,074	
35.8%	0	1,061	1,061	
37.0%	0	1,042	1,042	
38.3%	0	965	965	
39.5%	0	962	962	
40.7%	0	918	918	
42.0%	0	898	898	
43.2%	0	885	885	
44.4%	0	828	828	
45.7%	0	810	810	
46.9%	0	792	792	
48.1%	0	780	780	
49.4%	0	766	766	
50.6%	0	765	765	
51.9%	0	759	759	
53.1%	0	758	758	
54.3%	0	757	757	
55.6%	0	757	757	
56.8%	0	757	757	
58.0%	0	756	756	
59.3%	0	755	755	
60.5%	0	751	751	
61.7%	0	740	740	
63.0%	0	732	732	
64.2%	0	669	669	
65.4%	0	555	555	
66.7%	0	549	549	
67.9%	0	527	527	
69.1%	0	519	519	
70.4%	0	486	486	
71.6%	0	442	442	
72.8%	0	439	439	
74.1%	0	421	421	
75.3%	0	272	272	
76.5%	0	262	262	
77.8%	0	250	250	
79.0%	0	185	185	
80.2%	0	184	184	
81.5%	0	41	41	
82.7%	0	41	41	
84.0%	0	41	41	
85.2%	0	40	40	
86.4%	0	38	38	
87.7%	0	30	30	
88.9%	0	2	2	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,945	1,945	
1.2%	0	1,887	1,887	
2.5%	0	1,881	1,881	
3.7%	0	1,878	1,878	
4.9%	0	1,751	1,751	
6.2%	0	1,600	1,600	
7.4%	0	1,490	1,490	
8.6%	0	1,434	1,434	
9.9%	0	1,412	1,412	
11.1%	0	1,312	1,312	
12.3%	0	1,232	1,232	
13.6%	0	1,133	1,133	
14.8%	0	1,115	1,115	
16.0%	0	1,062	1,062	
17.3%	0	1,072	1,072	
18.5%	0	1,072	1,072	
19.8%	0	1,057	1,057	
21.0%	0	1,053	1,053	
22.2%	0	1,047	1,047	
23.5%	0	1,044	1,044	
24.7%	0	1,039	1,039	
25.9%	0	1,019	1,019	
27.2%	0	1,016	1,016	
28.4%	0	1,011	1,011	
29.6%	0	1,011	1,011	
30.9%	0	999	999	
32.1%	0	973	973	
33.3%	0	972	972	
34.6%	0	959	959	
35.8%	0	945	945	
37.0%	0	932	932	
38.3%	0	931	931	
39.5%	0	928	928	
40.7%	0	920	920	
42.0%	0	877	877	
43.2%	0	848	848	
44.4%	0	825	825	
45.7%	0	813	813	
46.9%	0	792	792	
48.1%	0	780	780	
49.4%	0	777	777	
50.6%	0	709	709	
51.9%	0	707	707	
53.1%	0	658	658	
54.3%	0	627	627	
55.6%	0	616	616	
56.8%	0	600	600	
58.0%	0	582	582	
59.3%	0	577	577	
60.5%	0	557	557	
61.7%	0	510	510	
63.0%	0	486	486	
64.2%	0	484	484	
65.4%	0	453	453	
66.7%	0	453	453	
67.9%	0	286	286	
69.1%	0	283	283	
70.4%	0	187	187	
71.6%	0	180	180	
72.8%	0	170	170	
74.1%	0	167	167	
75.3%	0	162	162	
76.5%	0	122	122	
77.8%	0	86	86	
79.0%	0	57	57	
80.2%	0	41	41	
81.5%	0	35	35	
82.7%	0	33	33	
84.0%	0	32	32	
85.2%	0	26	26	
86.4%	0	25	25	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	738	738	
1.2%	0	721	721	
2.5%	0	715	715	
3.7%	0	714	714	
4.9%	0	709	709	
6.2%	0	709	709	
7.4%	0	708	708	
8.6%	0	707	707	
9.9%	0	707	707	
11.1%	0	705	705	
12.3%	0	705	705	
13.6%	0	705	705	
14.8%	0	700	700	
16.0%	0	698	698	
17.3%	0	696	696	
18.5%	0	695	695	
19.8%	0	692	692	
21.0%	0	683	683	
22.2%	0	683	683	
23.5%	0	682	682	
24.7%	0	679	679	
25.9%	0	679	679	
27.2%	0	679	679	
28.4%	0	677	677	
29.6%	0	675	675	
30.9%	0	672	672	
32.1%	0	670	670	
33.3%	0	669	669	
34.6%	0	660	660	
35.8%	0	659	659	
37.0%	0	657	657	
38.3%	0	647	647	
39.5%	0	646	646	
40.7%	0	639	639	
42.0%	0	637	637	
43.2%	0	635	635	
44.4%	0	628	628	
45.7%	0	628	628	
46.9%	0	604	604	
48.1%	0	602	602	
49.4%	0	582	582	
50.6%	0	578	578	
51.9%	0	562	562	
53.1%	0	560	560	



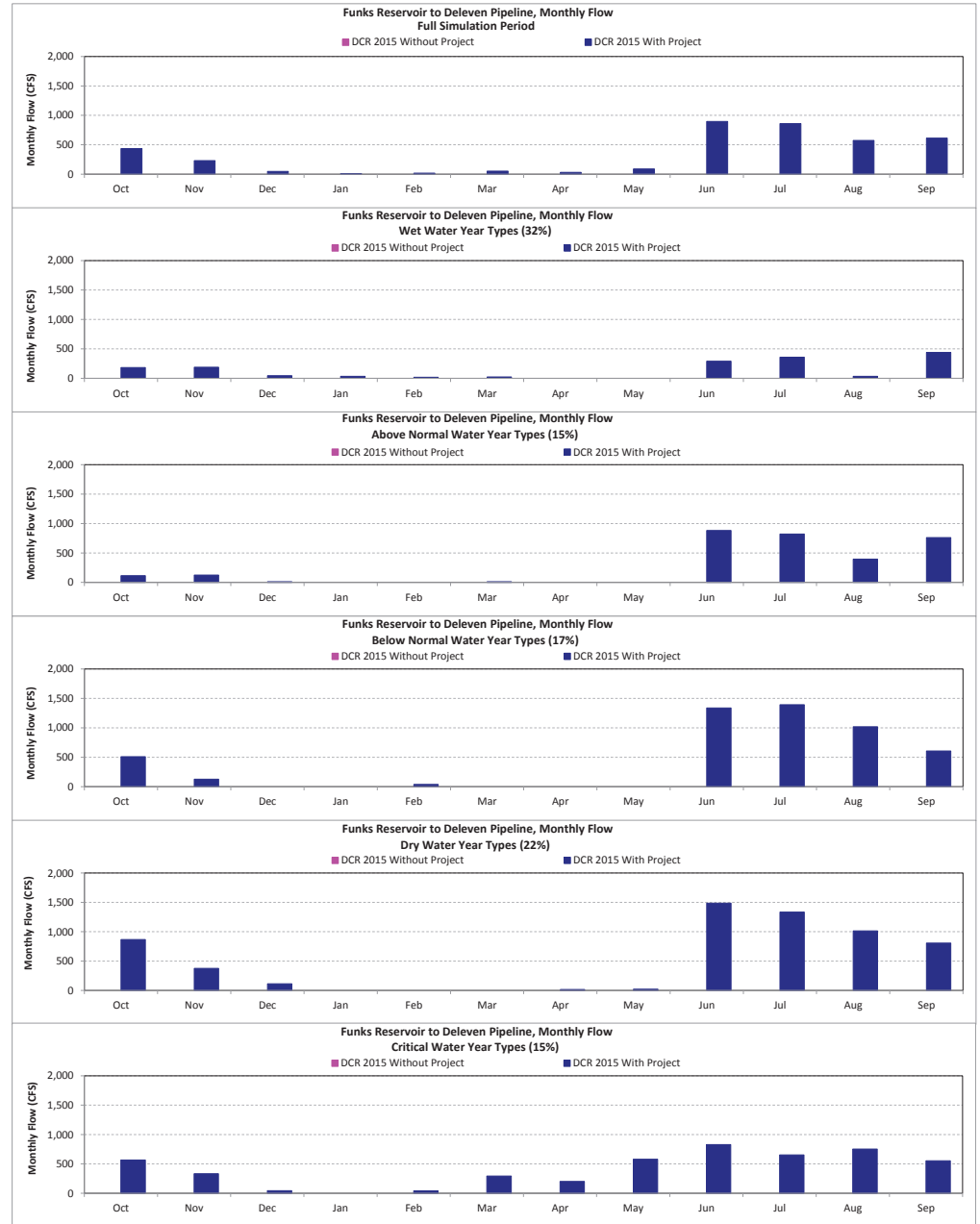
Table OP-06-a  
Funks Reservoir to Delevan Pipeline, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	435	232	47	10	18	52	33	90	897	860	575	613
Difference	435	232	47	10	18	52	33	90	897	860	575	613
Percent Difference <sup>2</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	183	190	45	33	17	23	0	0	290	359	34	441
Difference	183	190	45	33	17	23	0	0	290	359	34	441
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	114	125	12	0	0	12	0	0	883	822	395	760
Difference	114	125	12	0	0	12	0	0	883	822	395	760
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	510	129	0	0	38	0	0	0	1,337	1,393	1,018	607
Difference	510	129	0	0	38	0	0	0	1,337	1,393	1,018	607
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	867	377	112	0	0	16	22	1,486	1,333	1,015	807	
Difference	867	377	112	0	0	16	22	1,486	1,333	1,015	807	
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	565	332	43	0	40	294	202	578	830	652	752	552
Difference	565	332	43	0	40	294	202	578	830	652	752	552
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-06-b**  
**Funks Reservoir to Deleven Pipeline, Monthly Flow**  
**Probability of Exceedance**

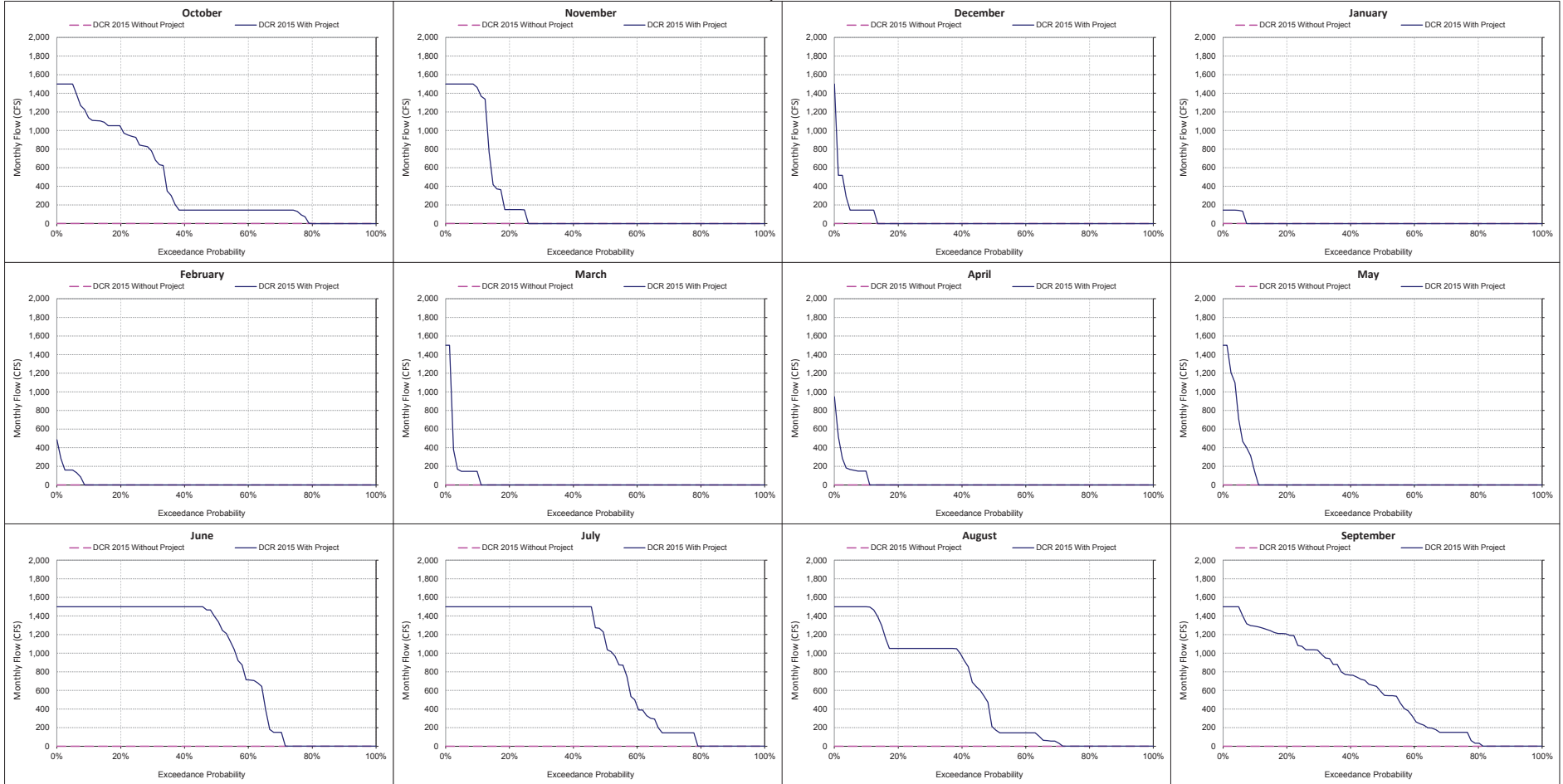


Table OP-06-b  
Funks Reservoir to Delevan Pipeline, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,388	1,388	
7.4%	0	1,267	1,267	
8.6%	0	1,226	1,226	
9.9%	0	1,137	1,137	
11.1%	0	1,109	1,109	
12.3%	0	1,105	1,105	
13.6%	0	1,103	1,103	
14.8%	0	1,090	1,090	
16.0%	0	1,051	1,051	
17.3%	0	1,051	1,051	
18.5%	0	1,051	1,051	
19.8%	0	1,051	1,051	
21.0%	0	971	971	
22.2%	0	951	951	
23.5%	0	938	938	
24.7%	0	927	927	
25.9%	0	843	843	
27.2%	0	836	836	
28.4%	0	827	827	
29.6%	0	780	780	
30.9%	0	681	681	
32.1%	0	631	631	
33.3%	0	623	623	
34.6%	0	350	350	
35.8%	0	302	302	
37.0%	0	205	205	
38.3%	0	145	145	
39.5%	0	145	145	
40.7%	0	145	145	
42.0%	0	145	145	
43.2%	0	145	145	
44.4%	0	145	145	
45.7%	0	145	145	
46.9%	0	145	145	
48.1%	0	145	145	
49.4%	0	145	145	
50.6%	0	145	145	
51.9%	0	145	145	
53.1%	0	145	145	
54.3%	0	145	145	
55.6%	0	145	145	
56.8%	0	145	145	
58.0%	0	145	145	
59.3%	0	145	145	
60.5%	0	145	145	
61.7%	0	145	145	
63.0%	0	145	145	
64.2%	0	145	145	
65.4%	0	145	145	
66.7%	0	145	145	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	129	129	
76.5%	0	93	93	
77.8%	0	74	74	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,462	1,462	
11.1%	0	1,369	1,369	
12.3%	0	1,338	1,338	
13.6%	0	766	766	
14.8%	0	417	417	
16.0%	0	374	374	
17.3%	0	364	364	
18.5%	0	150	150	
19.8%	0	150	150	
21.0%	0	150	150	
22.2%	0	150	150	
23.5%	0	150	150	
24.7%	0	148	148	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	519	519	
2.5%	0	518	518	
3.7%	0	288	288	
4.9%	0	145	145	
6.2%	0	145	145	
7.4%	0	145	145	
8.6%	0	145	145	
9.9%	0	145	145	
11.1%	0	145	145	
12.3%	0	143	143	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	145	145	
1.2%	0	145	145	
2.5%	0	145	145	
3.7%	0	145	145	
4.9%	0	141	141	
6.2%	0	131	131	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0			

Table OP-06-b  
Funks Reservoir to Delevan Pipeline, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	484	484	
1.2%	0	282	282	
2.5%	0	161	161	
3.7%	0	161	161	
4.9%	0	161	161	
6.2%	0	131	131	
7.4%	0	87	87	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	379	379	
3.7%	0	168	168	
4.9%	0	145	145	
6.2%	0	145	145	
7.4%	0	145	145	
8.6%	0	145	145	
9.9%	0	145	145	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	946	946	
1.2%	0	516	516	
2.5%	0	286	286	
3.7%	0	182	182	
4.9%	0	167	167	
6.2%	0	158	158	
7.4%	0	150	150	
8.6%	0	150	150	
9.9%	0	150	150	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	May		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,208	1,208	
3.7%	0	1,100	1,100	
4.9%	0	706	706	
6.2%	0	468	468	
7.4%	0	399	399	
8.6%	0	315	315	
9.9%	0	145	145	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0			

Table OP-06-b  
Funks Reservoir to Delevan Pipeline, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,466	1,466	
48.1%	0	1,465	1,465	
49.4%	0	1,396	1,396	
50.6%	0	1,338	1,338	
51.9%	0	1,245	1,245	
53.1%	0	1,211	1,211	
54.3%	0	1,124	1,124	
55.6%	0	1,042	1,042	
56.8%	0	919	919	
58.0%	0	875	875	
59.3%	0	715	715	
60.5%	0	711	711	
61.7%	0	705	705	
63.0%	0	681	681	
64.2%	0	644	644	
65.4%	0	389	389	
66.7%	0	180	180	
67.9%	0	150	150	
69.1%	0	150	150	
70.4%	0	150	150	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,275	1,275	
48.1%	0	1,267	1,267	
49.4%	0	1,228	1,228	
50.6%	0	1,037	1,037	
51.9%	0	1,016	1,016	
53.1%	0	967	967	
54.3%	0	875	875	
55.6%	0	870	870	
56.8%	0	750	750	
58.0%	0	535	535	
59.3%	0	500	500	
60.5%	0	389	389	
61.7%	0	388	388	
63.0%	0	330	330	
64.2%	0	301	301	
65.4%	0	293	293	
66.7%	0	198	198	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	145	145	
76.5%	0	145	145	
77.8%	0	145	145	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,495	1,495	
12.3%	0	1,465	1,465	
13.6%	0	1,392	1,392	
14.8%	0	1,298	1,298	
16.0%	0	1,158	1,158	
17.3%	0	1,051	1,051	
18.5%	0	1,051	1,051	
19.8%	0	1,051	1,051	
21.0%	0	1,051	1,051	
22.2%	0	1,051	1,051	
23.5%	0	1,051	1,051	
24.7%	0	1,051	1,051	
25.9%	0	1,051	1,051	
27.2%	0	1,051	1,051	
28.4%	0	1,051	1,051	
29.6%	0	1,051	1,051	
30.9%	0	1,051	1,051	
32.1%	0	1,051	1,051	
33.3%	0	1,051	1,051	
34.6%	0	1,051	1,051	
35.8%	0	1,051	1,051	
37.0%	0	1,051	1,051	
38.3%	0	1,049	1,049	
39.5%	0	998	998	
40.7%	0	921	921	
42.0%	0	855	855	
43.2%	0	690	690	
44.4%	0	639	639	
45.7%	0	600	600	
46.9%	0	542	542	
48.1%	0	471	471	
49.4%	0	214	214	
50.6%	0	171	171	
51.9%	0	145	145	
53.1%	0	145	145	
54.3%	0	145	145	
55.6%	0	145	145	
56.8%	0	145	145	
58.0%	0	145	145	
59.3%	0	145	145	
60.5%	0	145	145	
61.7%	0	145	145	
63.0%	0	145	145	
64.2%	0	106	106	
65.4%	0	63	63	
66.7%	0	61	61	
67.9%	0	57	57	
69.1%	0	56	56	
70.4%	0	33	33	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,403	1,403	
7.4%	0	1,318	1,318	
8.6%	0	1,297	1,297	
9.9%	0	1,291	1,291	
11.1%	0	1,283	1,283	
12.3%	0	1,271	1,271	
13.6%	0	1,258	1,258	
14.8%	0	1,241	1,241	
16.0%	0	1,223	1,223	
17.3%	0	1,212	1,212	
18.5%	0	1,211	1,211	
19.8%	0	1,209	1,209	
21.0%	0	1,191	1,191	
22.2%	0	1,189	1,189	
23.5%	0	1,082	1,082	
24.7%	0	1,075	1,075	
25.9%	0	1,036	1,036	
27.2%	0	1,036	1,036	
28.4%	0	1,036	1,036	
29.6%	0	1,035	1,035	
30.9%	0	989	989	
32.1%	0	948	948	
33.3%	0	942	942	
34.6%	0	879	879	
35.8%	0	879	879	
37.0%	0	800	800	
38.3%	0	770	770	
39.5%	0	766	766	
40.7%	0	764	764	
42.0%	0	743	743	
43.2%	0	719	719	
44.4%	0	708	708	
45.7%	0	667	667	
46.9%	0	654	654	
48.1%	0	643	643	
49.4%	0			

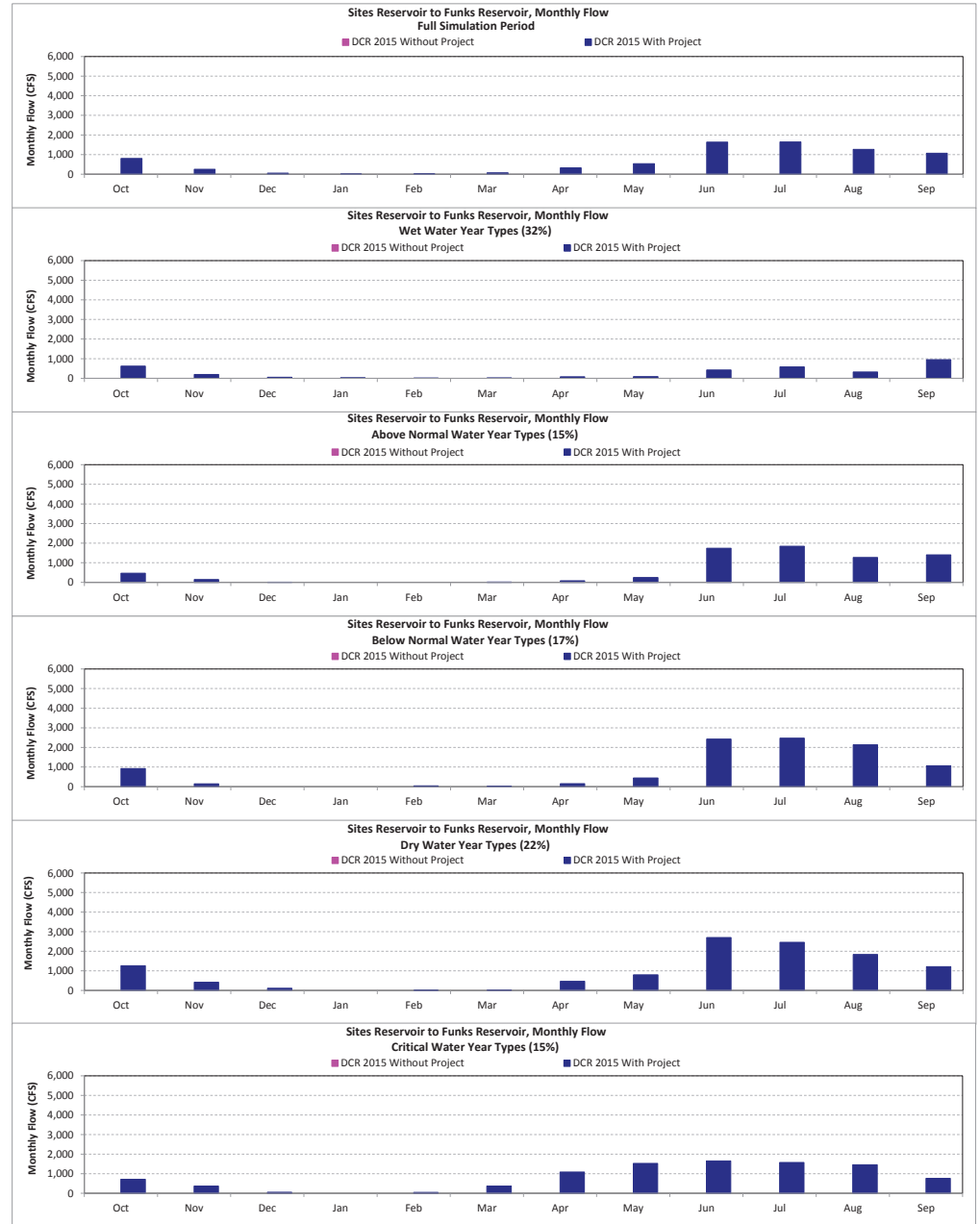
Table OP-07-a  
 Sites Reservoir to Funks Reservoir, Monthly Flow  
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	804	255	53	11	20	72	324	536	1,638	1,645	1,268	1,069
Difference	804	255	53	11	20	72	324	536	1,638	1,645	1,268	1,069
Percent Difference <sup>2</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	621	199	58	34	18	26	76	83	427	578	320	954
Difference	621	199	58	34	18	26	76	83	427	578	320	954
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	464	143	12	0	0	16	85	243	1,741	1,842	1,272	1,404
Difference	464	143	12	0	0	16	85	243	1,741	1,842	1,272	1,404
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	926	147	0	0	42	17	155	444	2,422	2,474	2,136	1,070
Difference	926	147	0	0	42	17	155	444	2,422	2,474	2,136	1,070
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	1,259	420	112	0	1	19	466	797	2,702	2,459	1,835	1,215
Difference	1,259	420	112	0	1	19	466	797	2,702	2,459	1,835	1,215
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	716	369	55	0	46	371	1,082	1,528	1,651	1,570	1,452	761
Difference	716	369	55	0	46	371	1,082	1,528	1,651	1,570	1,452	761
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-07-b**  
**Sites Reservoir to Funks Reservoir, Monthly Flow**  
**Probability of Exceedance**

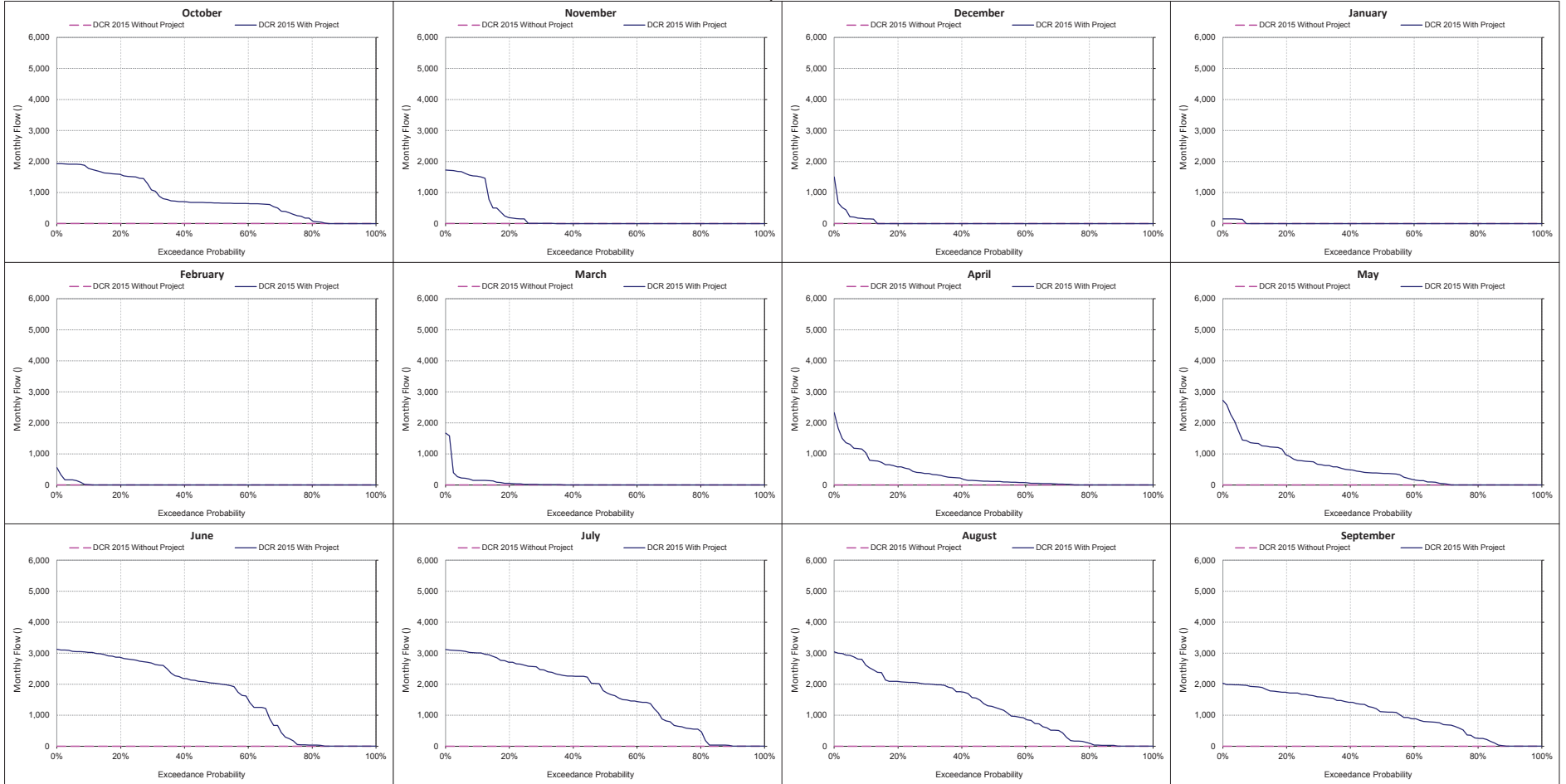


Table OP-07-b  
 Sites Reservoir to Funks Reservoir, Monthly Flow  
 Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	1,933	1,933	
1.2%	0	1,930	1,930	
2.5%	0	1,924	1,924	
3.7%	0	1,914	1,914	
4.9%	0	1,914	1,914	
6.2%	0	1,911	1,911	
7.4%	0	1,908	1,908	
8.6%	0	1,877	1,877	
9.9%	0	1,776	1,776	
11.1%	0	1,743	1,743	
12.3%	0	1,711	1,711	
13.6%	0	1,673	1,673	
14.8%	0	1,632	1,632	
16.0%	0	1,622	1,622	
17.3%	0	1,604	1,604	
18.5%	0	1,598	1,598	
19.8%	0	1,592	1,592	
21.0%	0	1,535	1,535	
22.2%	0	1,523	1,523	
23.5%	0	1,507	1,507	
24.7%	0	1,507	1,507	
25.9%	0	1,461	1,461	
27.2%	0	1,455	1,455	
28.4%	0	1,290	1,290	
29.6%	0	1,085	1,085	
30.9%	0	1,041	1,041	
32.1%	0	879	879	
33.3%	0	801	801	
34.6%	0	771	771	
35.8%	0	731	731	
37.0%	0	728	728	
38.3%	0	708	708	
39.5%	0	708	708	
40.7%	0	694	694	
42.0%	0	681	681	
43.2%	0	677	677	
44.4%	0	677	677	
45.7%	0	677	677	
46.9%	0	675	675	
48.1%	0	675	675	
49.4%	0	664	664	
50.6%	0	660	660	
51.9%	0	659	659	
53.1%	0	657	657	
54.3%	0	655	655	
55.6%	0	650	650	
56.8%	0	646	646	
58.0%	0	646	646	
59.3%	0	645	645	
60.5%	0	642	642	
61.7%	0	636	636	
63.0%	0	635	635	
64.2%	0	634	634	
65.4%	0	619	619	
66.7%	0	616	616	
67.9%	0	544	544	
69.1%	0	505	505	
70.4%	0	395	395	
71.6%	0	390	390	
72.8%	0	350	350	
74.1%	0	297	297	
75.3%	0	252	252	
76.5%	0	232	232	
77.8%	0	176	176	
79.0%	0	173	173	
80.2%	0	76	76	
81.5%	0	53	53	
82.7%	0	47	47	
84.0%	0	14	14	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	1,721	1,721	
1.2%	0	1,712	1,712	
2.5%	0	1,705	1,705	
3.7%	0	1,686	1,686	
4.9%	0	1,671	1,671	
6.2%	0	1,612	1,612	
7.4%	0	1,562	1,562	
8.6%	0	1,539	1,539	
9.9%	0	1,531	1,531	
11.1%	0	1,503	1,503	
12.3%	0	1,462	1,462	
13.6%	0	772	772	
14.8%	0	500	500	
16.0%	0	500	500	
17.3%	0	374	374	
18.5%	0	246	246	
19.8%	0	189	189	
21.0%	0	172	172	
22.2%	0	162	162	
23.5%	0	154	154	
24.7%	0	152	152	
25.9%	0	3	3	
27.2%	0	2	2	
28.4%	0	1	1	
29.6%	0	1	1	
30.9%	0	1	1	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	665	665	
2.5%	0	519	519	
3.7%	0	443	443	
4.9%	0	222	222	
6.2%	0	206	206	
7.4%	0	173	173	
8.6%	0	167	167	
9.9%	0	153	153	
11.1%	0	147	147	
12.3%	0	145	145	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	149	149	
1.2%	0	149	149	
2.5%	0	149	149	
3.7%	0	148	148	
4.9%	0	144	144	
6.2%	0	135	135	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%</				



Table OP-07-b  
 Sites Reservoir to Funks Reservoir, Monthly Flow  
 Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (I)	DCR 2015 With Project Monthly Flow (I)	Absolute Difference (I)	Relative Difference (%)
0.0%	0	553	553	
1.2%	0	327	327	
2.5%	0	164	164	
3.7%	0	164	164	
4.9%	0	162	162	
6.2%	0	135	135	
7.4%	0	90	90	
8.6%	0	14	14	
9.9%	0	12	12	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (I)	DCR 2015 With Project Monthly Flow (I)	Absolute Difference (I)	Relative Difference (%)
0.0%	0	1,666	1,666	
1.2%	0	1,582	1,582	
2.5%	0	396	396	
3.7%	0	263	263	
4.9%	0	227	227	
6.2%	0	218	218	
7.4%	0	188	188	
8.6%	0	146	146	
9.9%	0	146	146	
11.1%	0	146	146	
12.3%	0	146	146	
13.6%	0	136	136	
14.8%	0	130	130	
16.0%	0	85	85	
17.3%	0	78	78	
18.5%	0	54	54	
19.8%	0	50	50	
21.0%	0	42	42	
22.2%	0	36	36	
23.5%	0	34	34	
24.7%	0	20	20	
25.9%	0	20	20	
27.2%	0	20	20	
28.4%	0	16	16	
29.6%	0	13	13	
30.9%	0	12	12	
32.1%	0	8	8	
33.3%	0	7	7	
34.6%	0	7	7	
35.8%	0	6	6	
37.0%	0	5	5	
38.3%	0	4	4	
39.5%	0	3	3	
40.7%	0	3	3	
42.0%	0	3	3	
43.2%	0	2	2	
44.4%	0	2	2	
45.7%	0	1	1	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (I)	DCR 2015 With Project Monthly Flow (I)	Absolute Difference (I)	Relative Difference (%)
0.0%	0	2,328	2,328	
1.2%	0	1,821	1,821	
2.5%	0	1,501	1,501	
3.7%	0	1,365	1,365	
4.9%	0	1,314	1,314	
6.2%	0	1,178	1,178	
7.4%	0	1,172	1,172	
8.6%	0	1,158	1,158	
9.9%	0	1,036	1,036	
11.1%	0	794	794	
12.3%	0	781	781	
13.6%	0	774	774	
14.8%	0	731	731	
16.0%	0	653	653	
17.3%	0	648	648	
18.5%	0	623	623	
19.8%	0	583	583	
21.0%	0	580	580	
22.2%	0	537	537	
23.5%	0	514	514	
24.7%	0	438	438	
25.9%	0	405	405	
27.2%	0	392	392	
28.4%	0	370	370	
29.6%	0	368	368	
30.9%	0	332	332	
32.1%	0	327	327	
33.3%	0	305	305	
34.6%	0	275	275	
35.8%	0	250	250	
37.0%	0	239	239	
38.3%	0	232	232	
39.5%	0	224	224	
40.7%	0	169	169	
42.0%	0	147	147	
43.2%	0	142	142	
44.4%	0	136	136	
45.7%	0	128	128	
46.9%	0	124	124	
48.1%	0	117	117	
49.4%	0	114	114	
50.6%	0	109	109	
51.9%	0	108	108	
53.1%	0	94	94	
54.3%	0	92	92	
55.6%	0	89	89	
56.8%	0	89	89	
58.0%	0	81	81	
59.3%	0	79	79	
60.5%	0	70	70	
61.7%	0	56	56	
63.0%	0	56	56	
64.2%	0	54	54	
65.4%	0	48	48	
66.7%	0	43	43	
67.9%	0	40	40	
69.1%	0	38	38	
70.4%	0	26	26	
71.6%	0	25	25	
72.8%	0	18	18	
74.1%	0	17	17	
75.3%	0	2	2	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (I)	DCR 2015 With Project Monthly Flow (I)	Absolute Difference (I)	Relative Difference (%)
0.0%	0	2,732	2,732	
1.2%	0	2,589	2,589	
2.5%	0	2,269	2,269	
3.7%	0	2,043	2,043	
4.9%	0	1,746	1,746	
6.2%	0	1,446	1,446	
7.4%	0	1,431	1,431	
8.6%	0	1,364	1,364	
9.9%	0	1,346	1,346	
11.1%	0	1,335	1,335	
12.3%	0	1,259	1,259	
13.6%	0	1,249	1,249	
14.8%	0	1,223	1,223	
16.0%	0	1,216	1,216	
17.3%	0	1,211	1,211	
18.5%	0	1,154	1,154	
19.8%	0	979	979	
21.0%	0	915	915	
22.2%	0	833	833	
23.5%	0	792	792	
24.7%	0	780	780	
25.9%	0	761	761	
27.2%	0	750	750	
28.4%	0	748	748	
29.6%	0	672	672	
30.9%	0	649	649	
32.1%	0	624	624	
33.3%	0	623	623	
34.6%	0	583	583	
35.8%	0	583	583	
37.0%	0	543	543	
38.3%	0	507	507	
39.5%	0	488	488	
40.7%	0	484	484	
42.0%	0	442	442	
43.2%	0	429	429	
44.4%	0	404	404	
45.7%	0	391	391	
46.9%	0	389	389	
48.1%	0	382	382	
49.4%	0	380	380	
50.6%	0	373	373	
51.9%	0	368	368	
53.1%	0	357	357	
54.3%	0	349	349	
55.6%	0	322	322	
56.8%	0	245	245	
58.0%	0	213	213	
59.3%	0	177	177	
60.5%	0	153	153	
61.7%	0	139	139	
63.0%	0	134	134	
64.2%	0	93	93	
65.4%	0	91	91	
66.7%	0	86	86	
67.9%	0	53	53	
69.1%	0	39	39	
70.4%	0	27	27	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%</				

Table OP-07-b  
 Sites Reservoir to Funks Reservoir, Monthly Flow  
 Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	3,129	3,129	
1.2%	0	3,106	3,106	
2.5%	0	3,104	3,104	
3.7%	0	3,093	3,093	
4.9%	0	3,064	3,064	
6.2%	0	3,055	3,055	
7.4%	0	3,050	3,050	
8.6%	0	3,041	3,041	
9.9%	0	3,027	3,027	
11.1%	0	3,022	3,022	
12.3%	0	2,993	2,993	
13.6%	0	2,986	2,986	
14.8%	0	2,960	2,960	
16.0%	0	2,912	2,912	
17.3%	0	2,904	2,904	
18.5%	0	2,871	2,871	
19.8%	0	2,868	2,868	
21.0%	0	2,829	2,829	
22.2%	0	2,809	2,809	
23.5%	0	2,793	2,793	
24.7%	0	2,780	2,780	
25.9%	0	2,746	2,746	
27.2%	0	2,727	2,727	
28.4%	0	2,706	2,706	
29.6%	0	2,681	2,681	
30.9%	0	2,633	2,633	
32.1%	0	2,614	2,614	
33.3%	0	2,606	2,606	
34.6%	0	2,497	2,497	
35.8%	0	2,354	2,354	
37.0%	0	2,273	2,273	
38.3%	0	2,250	2,250	
39.5%	0	2,185	2,185	
40.7%	0	2,179	2,179	
42.0%	0	2,131	2,131	
43.2%	0	2,125	2,125	
44.4%	0	2,092	2,092	
45.7%	0	2,085	2,085	
46.9%	0	2,065	2,065	
48.1%	0	2,044	2,044	
49.4%	0	2,037	2,037	
50.6%	0	2,013	2,013	
51.9%	0	1,999	1,999	
53.1%	0	1,977	1,977	
54.3%	0	1,953	1,953	
55.6%	0	1,918	1,918	
56.8%	0	1,740	1,740	
58.0%	0	1,640	1,640	
59.3%	0	1,621	1,621	
60.5%	0	1,397	1,397	
61.7%	0	1,256	1,256	
63.0%	0	1,255	1,255	
64.2%	0	1,254	1,254	
65.4%	0	1,222	1,222	
66.7%	0	895	895	
67.9%	0	872	872	
69.1%	0	670	670	
70.4%	0	444	444	
71.6%	0	296	296	
72.8%	0	246	246	
74.1%	0	176	176	
75.3%	0	57	57	
76.5%	0	42	42	
77.8%	0	42	42	
79.0%	0	36	36	
80.2%	0	35	35	
81.5%	0	34	34	
82.7%	0	31	31	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	3,117	3,117	
1.2%	0	3,107	3,107	
2.5%	0	3,098	3,098	
3.7%	0	3,089	3,089	
4.9%	0	3,073	3,073	
6.2%	0	3,059	3,059	
7.4%	0	3,025	3,025	
8.6%	0	3,016	3,016	
9.9%	0	3,010	3,010	
11.1%	0	3,006	3,006	
12.3%	0	2,964	2,964	
13.6%	0	2,949	2,949	
14.8%	0	2,899	2,899	
16.0%	0	2,855	2,855	
17.3%	0	2,767	2,767	
18.5%	0	2,763	2,763	
19.8%	0	2,713	2,713	
21.0%	0	2,711	2,711	
22.2%	0	2,661	2,661	
23.5%	0	2,651	2,651	
24.7%	0	2,616	2,616	
25.9%	0	2,585	2,585	
27.2%	0	2,574	2,574	
28.4%	0	2,561	2,561	
29.6%	0	2,465	2,465	
30.9%	0	2,462	2,462	
32.1%	0	2,398	2,398	
33.3%	0	2,385	2,385	
34.6%	0	2,328	2,328	
35.8%	0	2,310	2,310	
37.0%	0	2,280	2,280	
38.3%	0	2,266	2,266	
39.5%	0	2,265	2,265	
40.7%	0	2,257	2,257	
42.0%	0	2,256	2,256	
43.2%	0	2,255	2,255	
44.4%	0	2,232	2,232	
45.7%	0	2,033	2,033	
46.9%	0	2,024	2,024	
48.1%	0	2,019	2,019	
49.4%	0	1,795	1,795	
50.6%	0	1,718	1,718	
51.9%	0	1,666	1,666	
53.1%	0	1,632	1,632	
54.3%	0	1,552	1,552	
55.6%	0	1,504	1,504	
56.8%	0	1,490	1,490	
58.0%	0	1,456	1,456	
59.3%	0	1,455	1,455	
60.5%	0	1,431	1,431	
61.7%	0	1,419	1,419	
63.0%	0	1,414	1,414	
64.2%	0	1,372	1,372	
65.4%	0	1,201	1,201	
66.7%	0	1,084	1,084	
67.9%	0	873	873	
69.1%	0	814	814	
70.4%	0	792	792	
71.6%	0	672	672	
72.8%	0	650	650	
74.1%	0	631	631	
75.3%	0	587	587	
76.5%	0	566	566	
77.8%	0	555	555	
79.0%	0	551	551	
80.2%	0	470	470	
81.5%	0	184	184	
82.7%	0	41	41	
84.0%	0	41	41	
85.2%	0	41	41	
86.4%	0	40	40	
87.7%	0	38	38	
88.9%	0	30	30	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	3,038	3,038	
1.2%	0	2,996	2,996	
2.5%	0	2,990	2,990	
3.7%	0	2,938	2,938	
4.9%	0	2,934	2,934	
6.2%	0	2,876	2,876	
7.4%	0	2,812	2,812	
8.6%	0	2,802	2,802	
9.9%	0	2,815	2,815	
11.1%	0	2,525	2,525	
12.3%	0	2,462	2,462	
13.6%	0	2,385	2,385	
14.8%	0	2,377	2,377	
16.0%	0	2,134	2,134	
17.3%	0	2,096	2,096	
18.5%	0	2,095	2,095	
19.8%	0	2,091	2,091	
21.0%	0	2,077	2,077	
22.2%	0	2,070	2,070	
23.5%	0	2,062	2,062	
24.7%	0	2,057	2,057	
25.9%	0	2,051	2,051	
27.2%	0	2,023	2,023	
28.4%	0	2,010	2,010	
29.6%	0	2,010	2,010	
30.9%	0	1,996	1,996	
32.1%	0	1,983	1,983	
33.3%	0	1,979	1,979	
34.6%	0	1,968	1,968	
35.8%	0	1,900	1,900	
37.0%	0	1,880	1,880	
38.3%	0	1,761	1,761	
39.5%	0	1,759	1,759	
40.7%	0	1,745	1,745	
42.0%	0	1,697	1,697	
43.2%	0	1,573	1,573	
44.4%	0	1,557	1,557	
45.7%	0	1,487	1,487	
46.9%	0	1,377	1,377	
48.1%	0	1,306	1,306	
49.4%	0	1,286	1,286	
50.6%	0	1,243	1,243	
51.9%	0	1,199	1,199	
53.1%	0	1,156	1,156	
54.3%	0	1,077	1,077	
55.6%	0	970	970	
56.8%	0	958	958	
58.0%	0	937	937	
59.3%	0	922	922	
60.5%	0	855	855	
61.7%	0	836	836	
63.0%	0	729	729	
64.2%	0	721	721	
65.4%	0	627	627	
66.7%	0	593	593	
67.9%	0	516	516	
69.1%	0	513	513	
70.4%	0	509	509	
71.6%	0	429	429	
72.8%	0	286	286	
74.1%	0	180	180	
75.3%	0	170	170	
76.5%	0	167	167	
77.8%	0	162	162	
79.0%	0	122	122	
80.2%	0	86	86	
81.5%	0	41	41	
82.7%	0	35	35	
84.0%	0	33	33	
85.2%	0	32	32	
86.4%	0	26	26	
87.7%	0	25	25	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (l)	DCR 2015 With Project Monthly Flow (l)	Absolute Difference (l)	Relative Difference (%)
0.0%	0	2,032	2,032	
1.2%	0	1,992	1,992	
2.5%	0	1,992	1,992	
3.7%	0	1,980	1,980	
4.9%	0	1,980	1,980	
6.2%	0	1,970	1,970	
7.4%	0	1,966	1,966	
8.6%	0	1,830	1,830	
9.9%	0	1,920	1,920	
11.1%	0	1,916	1,916	
12.3%	0	1,898	1,898	
13.6%	0	1,836	1,836	
14.8%	0	1,784	1,784	
16.0%	0	1,780	1,780	
17.3%	0	1,762	1,762	
18.5%	0	1,744	1,744	
19.8%	0	1,741	1,741	
21.0%	0	1,717	1,717	
22.2%	0	1,715	1,715	
23.5%	0	1,715	1,715	
24.7%	0	1,675	1,675	
25.9%	0	1,674	1,674	
27.2%	0	1,645	1,645	
28.4%	0	1,629	1,629	
29.6%	0	1,589	1,589	
30.9%	0	1,587	1,587	
32.1%	0	1,574	1,574	
33.3%	0	1,550	1,550	
34.6%	0	1,544	1,544	
35.8%	0	1,478	1,478	
37.0%	0	1,477	1,477	
38.3%	0	1,443	1,443	
39.5%	0	1,417	1,417	
40.7%	0	1,417	1,417	

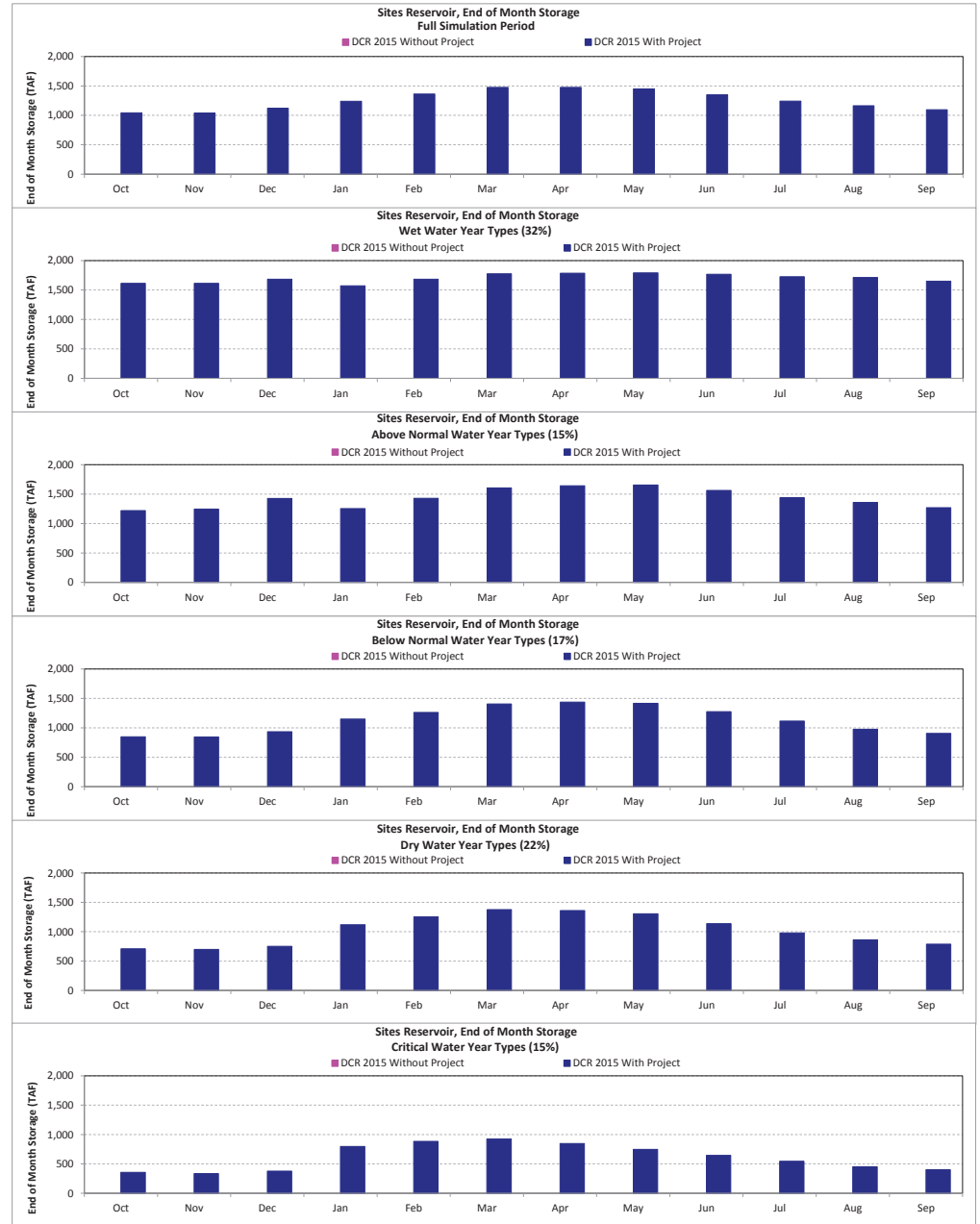
Table OP-09-a  
 Sites Reservoir, End of Month Storage  
 Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	1,043	1,041	1,122	1,240	1,363	1,476	1,475	1,449	1,351	1,243	1,164	1,096
Difference	1,043	1,041	1,122	1,240	1,363	1,476	1,475	1,449	1,351	1,243	1,164	1,096
Percent Difference <sup>3</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	1,614	1,613	1,683	1,572	1,684	1,777	1,787	1,793	1,767	1,727	1,713	1,650
Difference	1,614	1,613	1,683	1,572	1,684	1,777	1,787	1,793	1,767	1,727	1,713	1,650
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	1,220	1,246	1,427	1,252	1,429	1,605	1,640	1,655	1,563	1,439	1,359	1,269
Difference	1,220	1,246	1,427	1,252	1,429	1,605	1,640	1,655	1,563	1,439	1,359	1,269
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	848	845	936	1,149	1,262	1,405	1,436	1,416	1,276	1,114	976	907
Difference	848	845	936	1,149	1,262	1,405	1,436	1,416	1,276	1,114	976	907
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	710	699	751	1,120	1,252	1,377	1,361	1,306	1,137	980	861	789
Difference	710	699	751	1,120	1,252	1,377	1,361	1,306	1,137	980	861	789
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	356	336	376	796	884	924	847	748	646	544	450	402
Difference	356	336	376	796	884	924	847	748	646	544	450	402
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-09-b**  
**Sites Reservoir, End of Month Storage**  
**Probability of Exceedance**

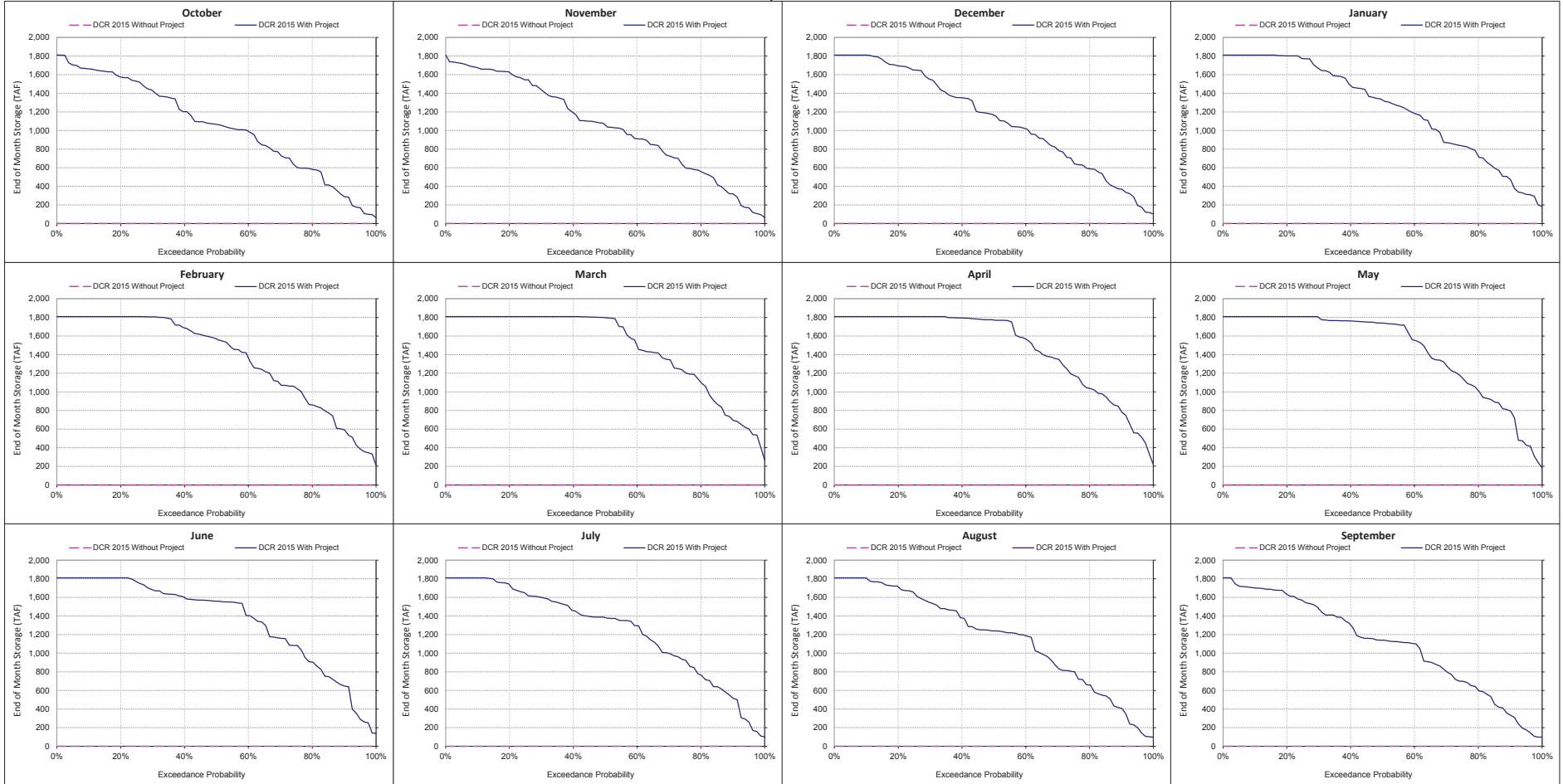


Table OP-09-b  
Sites Reservoir, End of Month Storage  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,807	1,807	
3.7%	0	1,727	1,727	
4.9%	0	1,706	1,706	
6.2%	0	1,699	1,699	
7.4%	0	1,671	1,671	
8.6%	0	1,669	1,669	
9.9%	0	1,662	1,662	
11.1%	0	1,661	1,661	
12.3%	0	1,647	1,647	
13.6%	0	1,643	1,643	
14.8%	0	1,638	1,638	
16.0%	0	1,632	1,632	
17.3%	0	1,631	1,631	
18.5%	0	1,597	1,597	
19.8%	0	1,576	1,576	
21.0%	0	1,569	1,569	
22.2%	0	1,568	1,568	
23.5%	0	1,540	1,540	
24.7%	0	1,532	1,532	
25.9%	0	1,520	1,520	
27.2%	0	1,481	1,481	
28.4%	0	1,449	1,449	
29.6%	0	1,438	1,438	
30.9%	0	1,399	1,399	
32.1%	0	1,368	1,368	
33.3%	0	1,367	1,367	
34.6%	0	1,361	1,361	
35.8%	0	1,349	1,349	
37.0%	0	1,340	1,340	
38.3%	0	1,230	1,230	
39.5%	0	1,203	1,203	
40.7%	0	1,202	1,202	
42.0%	0	1,162	1,162	
43.2%	0	1,097	1,097	
44.4%	0	1,095	1,095	
45.7%	0	1,095	1,095	
46.9%	0	1,080	1,080	
48.1%	0	1,075	1,075	
49.4%	0	1,070	1,070	
50.6%	0	1,064	1,064	
51.9%	0	1,050	1,050	
53.1%	0	1,038	1,038	
54.3%	0	1,026	1,026	
55.6%	0	1,017	1,017	
56.8%	0	1,010	1,010	
58.0%	0	1,007	1,007	
59.3%	0	1,007	1,007	
60.5%	0	980	980	
61.7%	0	955	955	
63.0%	0	882	882	
64.2%	0	847	847	
65.4%	0	839	839	
66.7%	0	813	813	
67.9%	0	779	779	
69.1%	0	773	773	
70.4%	0	725	725	
71.6%	0	705	705	
72.8%	0	702	702	
74.1%	0	639	639	
75.3%	0	602	602	
76.5%	0	596	596	
77.8%	0	594	594	
79.0%	0	591	591	
80.2%	0	581	581	
81.5%	0	574	574	
82.7%	0	556	556	
84.0%	0	416	416	
85.2%	0	416	416	
86.4%	0	396	396	
87.7%	0	357	357	
88.9%	0	319	319	
90.1%	0	288	288	
91.4%	0	285	285	
92.6%	0	193	193	
93.8%	0	174	174	
95.1%	0	170	170	
96.3%	0	107	107	
97.5%	0	97	97	
98.8%	0	97	97	
100.0%	0	64	64	

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,739	1,739	
2.5%	0	1,737	1,737	
3.7%	0	1,728	1,728	
4.9%	0	1,721	1,721	
6.2%	0	1,711	1,711	
7.4%	0	1,693	1,693	
8.6%	0	1,685	1,685	
9.9%	0	1,676	1,676	
11.1%	0	1,661	1,661	
12.3%	0	1,655	1,655	
13.6%	0	1,659	1,659	
14.8%	0	1,655	1,655	
16.0%	0	1,637	1,637	
17.3%	0	1,636	1,636	
18.5%	0	1,633	1,633	
19.8%	0	1,630	1,630	
21.0%	0	1,596	1,596	
22.2%	0	1,576	1,576	
23.5%	0	1,569	1,569	
24.7%	0	1,545	1,545	
25.9%	0	1,545	1,545	
27.2%	0	1,483	1,483	
28.4%	0	1,482	1,482	
29.6%	0	1,448	1,448	
30.9%	0	1,413	1,413	
32.1%	0	1,381	1,381	
33.3%	0	1,364	1,364	
34.6%	0	1,359	1,359	
35.8%	0	1,348	1,348	
37.0%	0	1,333	1,333	
38.3%	0	1,238	1,238	
39.5%	0	1,202	1,202	
40.7%	0	1,172	1,172	
42.0%	0	1,107	1,107	
43.2%	0	1,106	1,106	
44.4%	0	1,099	1,099	
45.7%	0	1,099	1,099	
46.9%	0	1,090	1,090	
48.1%	0	1,082	1,082	
49.4%	0	1,077	1,077	
50.6%	0	1,037	1,037	
51.9%	0	1,035	1,035	
53.1%	0	1,030	1,030	
54.3%	0	1,025	1,025	
55.6%	0	1,011	1,011	
56.8%	0	956	956	
58.0%	0	954	954	
59.3%	0	913	913	
60.5%	0	910	910	
61.7%	0	908	908	
63.0%	0	894	894	
64.2%	0	850	850	
65.4%	0	846	846	
66.7%	0	837	837	
67.9%	0	781	781	
69.1%	0	736	736	
70.4%	0	722	722	
71.6%	0	706	706	
72.8%	0	701	701	
74.1%	0	639	639	
75.3%	0	595	595	
76.5%	0	592	592	
77.8%	0	581	581	
79.0%	0	576	576	
80.2%	0	556	556	
81.5%	0	534	534	
82.7%	0	518	518	
84.0%	0	492	492	
85.2%	0	416	416	
86.4%	0	396	396	
87.7%	0	357	357	
88.9%	0	322	322	
90.1%	0	319	319	
91.4%	0	285	285	
92.6%	0	192	192	
93.8%	0	174	174	
95.1%	0	170	170	
96.3%	0	117	117	
97.5%	0	106	106	
98.8%	0	96	96	
100.0%	0	64	64	

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,739	1,739	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,808	1,808	
12.3%	0	1,796	1,796	
13.6%	0	1,791	1,791	
14.8%	0	1,767	1,767	
16.0%	0	1,734	1,734	
17.3%	0	1,711	1,711	
18.5%	0	1,709	1,709	
19.8%	0	1,697	1,697	
21.0%	0	1,692	1,692	
22.2%	0	1,687	1,687	
23.5%	0	1,670	1,670	
24.7%	0	1,652	1,652	
25.9%	0	1,649	1,649	
27.2%	0	1,646	1,646	
28.4%	0	1,586	1,586	
29.6%	0	1,554	1,554	
30.9%	0	1,540	1,540	
32.1%	0	1,492	1,492	
33.3%	0	1,438	1,438	
34.6%	0	1,417	1,417	
35.8%	0	1,383	1,383	
37.0%	0	1,366	1,366	
38.3%	0	1,355	1,355	
39.5%	0	1,355	1,355	
40.7%	0	1,349	1,349	
42.0%	0	1,344	1,344	
43.2%	0	1,317	1,317	
44.4%	0	1,205	1,205	
45.7%	0	1,194	1,194	
46.9%	0	1,192	1,192	
48.1%	0	1,182	1,182	
49.4%	0	1,175	1,175	
50.6%	0	1,154	1,154	
51.9%	0	1,106	1,106	
53.1%	0	1,102	1,102	
54.3%	0	1,081	1,081	
55.6%	0	1,043	1,043	
56.8%	0	1,040	1,040	
58.0%	0	1,037	1,037	
59.3%	0	1,026	1,026	
60.5%	0	1,014	1,014	
61.7%	0	960	960	
63.0%	0	959	959	
64.2%	0	918	918	
65.4%	0	912	912	
66.7%	0	872	872	
67.9%	0	838	838	
69.1%	0	822	822	
70.4%	0	783	783	
71.6%	0	769	769	
72.8%	0	711	711	
74.1%	0	704	704	
75.3%	0	641	641	
76.5%	0	631	631	
77.8%	0	628	628	
79.0%	0	594	594	
80.2%	0	587	587	
81.5%	0	583	583	
82.7%	0	556	556	
84.0%	0	536	536	
85.2%	0	459	459	
86.4%	0	416	416	
87.7%	0	396	396	
88.9%	0	373	373	
90.1%	0	370	370	
91.4%	0	337	337	
92.6%	0	322	322	
93.8%	0	285	285	
95.1%	0	193	193	
96.3%	0	175	175	
97.5%	0	120	120	
98.8%	0	118	118	
100.0%	0	102	102	

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,805	1,805	
18.5%	0	1,804	1,804	
19.8%	0	1,802	1,802	
21.0%	0	1,802	1,802	
22.2%	0	1,801	1,801	
23.5%	0	1,801	1,801	
24.7%	0	1,774	1,774	
25.9%	0	1,771	1,771	
27.2%	0	1,769	1,769	
28.4%	0	1,708	1,708	
29.6%	0	1,673	1,673	
30.9%	0	1,646	1,646	
32.1%	0	1,641	1,641	
33.3%	0	1,625	1,625	
34.6%	0	1,589	1,589	
35.8%	0	1,587	1,587	
37.0%	0	1,5		

Table OP-09-b  
Sites Reservoir, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,806	1,806	
29.6%	0	1,805	1,805	
30.9%	0	1,805	1,805	
32.1%	0	1,801	1,801	
33.3%	0	1,801	1,801	
34.6%	0	1,791	1,791	
35.8%	0	1,782	1,782	
37.0%	0	1,718	1,718	
38.3%	0	1,717	1,717	
39.5%	0	1,693	1,693	
40.7%	0	1,679	1,679	
42.0%	0	1,654	1,654	
43.2%	0	1,626	1,626	
44.4%	0	1,622	1,622	
45.7%	0	1,608	1,608	
46.9%	0	1,597	1,597	
48.1%	0	1,588	1,588	
49.4%	0	1,579	1,579	
50.6%	0	1,559	1,559	
51.9%	0	1,547	1,547	
53.1%	0	1,531	1,531	
54.3%	0	1,485	1,485	
55.6%	0	1,456	1,456	
56.8%	0	1,455	1,455	
58.0%	0	1,424	1,424	
59.3%	0	1,421	1,421	
60.5%	0	1,328	1,328	
61.7%	0	1,258	1,258	
63.0%	0	1,252	1,252	
64.2%	0	1,241	1,241	
65.4%	0	1,215	1,215	
66.7%	0	1,202	1,202	
67.9%	0	1,121	1,121	
69.1%	0	1,112	1,112	
70.4%	0	1,071	1,071	
71.6%	0	1,070	1,070	
72.8%	0	1,062	1,062	
74.1%	0	1,061	1,061	
75.3%	0	1,032	1,032	
76.5%	0	1,002	1,002	
77.8%	0	931	931	
79.0%	0	864	864	
80.2%	0	859	859	
81.5%	0	841	841	
82.7%	0	828	828	
84.0%	0	797	797	
85.2%	0	774	774	
86.4%	0	743	743	
87.7%	0	609	609	
88.9%	0	604	604	
90.1%	0	591	591	
91.4%	0	533	533	
92.6%	0	512	512	
93.8%	0	427	427	
95.1%	0	385	385	
96.3%	0	355	355	
97.5%	0	347	347	
98.8%	0	330	330	
100.0%	0	211	211	

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,810	1,810	
37.0%	0	1,810	1,810	
38.3%	0	1,810	1,810	
39.5%	0	1,810	1,810	
40.7%	0	1,810	1,810	
42.0%	0	1,809	1,809	
43.2%	0	1,805	1,805	
44.4%	0	1,805	1,805	
45.7%	0	1,804	1,804	
46.9%	0	1,803	1,803	
48.1%	0	1,801	1,801	
49.4%	0	1,801	1,801	
50.6%	0	1,794	1,794	
51.9%	0	1,792	1,792	
53.1%	0	1,785	1,785	
54.3%	0	1,704	1,704	
55.6%	0	1,696	1,696	
56.8%	0	1,611	1,611	
58.0%	0	1,576	1,576	
59.3%	0	1,558	1,558	
60.5%	0	1,454	1,454	
61.7%	0	1,448	1,448	
63.0%	0	1,431	1,431	
64.2%	0	1,431	1,431	
65.4%	0	1,421	1,421	
66.7%	0	1,418	1,418	
67.9%	0	1,366	1,366	
69.1%	0	1,350	1,350	
70.4%	0	1,344	1,344	
71.6%	0	1,257	1,257	
72.8%	0	1,251	1,251	
74.1%	0	1,238	1,238	
75.3%	0	1,200	1,200	
76.5%	0	1,191	1,191	
77.8%	0	1,190	1,190	
79.0%	0	1,140	1,140	
80.2%	0	1,092	1,092	
81.5%	0	1,058	1,058	
82.7%	0	963	963	
84.0%	0	908	908	
85.2%	0	864	864	
86.4%	0	836	836	
87.7%	0	751	751	
88.9%	0	737	737	
90.1%	0	694	694	
91.4%	0	682	682	
92.6%	0	650	650	
93.8%	0	619	619	
95.1%	0	601	601	
96.3%	0	539	539	
97.5%	0	535	535	
98.8%	0	402	402	
100.0%	0	262	262	

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,797	1,797	
37.0%	0	1,797	1,797	
38.3%	0	1,794	1,794	
39.5%	0	1,794	1,794	
40.7%	0	1,793	1,793	
42.0%	0	1,792	1,792	
43.2%	0	1,785	1,785	
44.4%	0	1,783	1,783	
45.7%	0	1,781	1,781	
46.9%	0	1,776	1,776	
48.1%	0	1,775	1,775	
49.4%	0	1,773	1,773	
50.6%	0	1,770	1,770	
51.9%	0	1,768	1,768	
53.1%	0	1,768	1,768	
54.3%	0	1,765	1,765	
55.6%	0	1,752	1,752	
56.8%	0	1,609	1,609	
58.0%	0	1,589	1,589	
59.3%	0	1,580	1,580	
60.5%	0	1,557	1,557	
61.7%	0	1,523	1,523	
63.0%	0	1,452	1,452	
64.2%	0	1,436	1,436	
65.4%	0	1,398	1,398	
66.7%	0	1,381	1,381	
67.9%	0	1,375	1,375	
69.1%	0	1,359	1,359	
70.4%	0	1,348	1,348	
71.6%	0	1,290	1,290	
72.8%	0	1,247	1,247	
74.1%	0	1,193	1,193	
75.3%	0	1,176	1,176	
76.5%	0	1,155	1,155	
77.8%	0	1,082	1,082	
79.0%	0	1,046	1,046	
80.2%	0	1,036	1,036	
81.5%	0	1,018	1,018	
82.7%	0	985	985	
84.0%	0	978	978	
85.2%	0	946	946	
86.4%	0	892	892	
87.7%	0	858	858	
88.9%	0	848	848	
90.1%	0	781	781	
91.4%	0	747	747	
92.6%	0	653	653	
93.8%	0	561	561	
95.1%	0	555	555	
96.3%	0	510	510	
97.5%	0	451	451	
98.8%	0	329	329	
100.0%	0	217	217	

Percent Exceedance Probability (%)	May			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%				

Table OP-09-b  
Sites Reservoir, End of Month Storage  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,797	1,797	
24.7%	0	1,773	1,773	
25.9%	0	1,751	1,751	
27.2%	0	1,736	1,736	
28.4%	0	1,704	1,704	
29.6%	0	1,686	1,686	
30.9%	0	1,671	1,671	
32.1%	0	1,670	1,670	
33.3%	0	1,643	1,643	
34.6%	0	1,637	1,637	
35.8%	0	1,634	1,634	
37.0%	0	1,632	1,632	
38.3%	0	1,616	1,616	
39.5%	0	1,609	1,609	
40.7%	0	1,583	1,583	
42.0%	0	1,580	1,580	
43.2%	0	1,572	1,572	
44.4%	0	1,572	1,572	
45.7%	0	1,570	1,570	
46.9%	0	1,568	1,568	
48.1%	0	1,565	1,565	
49.4%	0	1,560	1,560	
50.6%	0	1,560	1,560	
51.9%	0	1,554	1,554	
53.1%	0	1,552	1,552	
54.3%	0	1,551	1,551	
55.6%	0	1,547	1,547	
56.8%	0	1,540	1,540	
58.0%	0	1,538	1,538	
59.3%	0	1,404	1,404	
60.5%	0	1,402	1,402	
61.7%	0	1,373	1,373	
63.0%	0	1,342	1,342	
64.2%	0	1,337	1,337	
65.4%	0	1,296	1,296	
66.7%	0	1,176	1,176	
67.9%	0	1,175	1,175	
69.1%	0	1,164	1,164	
70.4%	0	1,160	1,160	
71.6%	0	1,157	1,157	
72.8%	0	1,085	1,085	
74.1%	0	1,084	1,084	
75.3%	0	1,082	1,082	
76.5%	0	1,035	1,035	
77.8%	0	954	954	
79.0%	0	908	908	
80.2%	0	903	903	
81.5%	0	861	861	
82.7%	0	826	826	
84.0%	0	752	752	
85.2%	0	749	749	
86.4%	0	721	721	
87.7%	0	688	688	
88.9%	0	662	662	
90.1%	0	647	647	
91.4%	0	640	640	
92.6%	0	397	397	
93.8%	0	355	355	
95.1%	0	289	289	
96.3%	0	261	261	
97.5%	0	251	251	
98.8%	0	142	142	
100.0%	0	138	138	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,799	1,799	
13.6%	0	1,805	1,805	
14.8%	0	1,799	1,799	
16.0%	0	1,764	1,764	
17.3%	0	1,760	1,760	
18.5%	0	1,757	1,757	
19.8%	0	1,746	1,746	
21.0%	0	1,690	1,690	
22.2%	0	1,675	1,675	
23.5%	0	1,662	1,662	
24.7%	0	1,652	1,652	
25.9%	0	1,615	1,615	
27.2%	0	1,615	1,615	
28.4%	0	1,609	1,609	
29.6%	0	1,602	1,602	
30.9%	0	1,595	1,595	
32.1%	0	1,582	1,582	
33.3%	0	1,557	1,557	
34.6%	0	1,551	1,551	
35.8%	0	1,537	1,537	
37.0%	0	1,524	1,524	
38.3%	0	1,512	1,512	
39.5%	0	1,461	1,461	
40.7%	0	1,451	1,451	
42.0%	0	1,420	1,420	
43.2%	0	1,403	1,403	
44.4%	0	1,398	1,398	
45.7%	0	1,390	1,390	
46.9%	0	1,389	1,389	
48.1%	0	1,388	1,388	
49.4%	0	1,387	1,387	
50.6%	0	1,378	1,378	
51.9%	0	1,374	1,374	
53.1%	0	1,374	1,374	
54.3%	0	1,354	1,354	
55.6%	0	1,352	1,352	
56.8%	0	1,352	1,352	
58.0%	0	1,344	1,344	
59.3%	0	1,297	1,297	
60.5%	0	1,294	1,294	
61.7%	0	1,203	1,203	
63.0%	0	1,181	1,181	
64.2%	0	1,143	1,143	
65.4%	0	1,116	1,116	
66.7%	0	1,078	1,078	
67.9%	0	1,008	1,008	
69.1%	0	1,006	1,006	
70.4%	0	993	993	
71.6%	0	971	971	
72.8%	0	964	964	
74.1%	0	935	935	
75.3%	0	923	923	
76.5%	0	857	857	
77.8%	0	845	845	
79.0%	0	779	779	
80.2%	0	761	761	
81.5%	0	714	714	
82.7%	0	707	707	
84.0%	0	641	641	
85.2%	0	640	640	
86.4%	0	614	614	
87.7%	0	584	584	
88.9%	0	551	551	
90.1%	0	516	516	
91.4%	0	500	500	
92.6%	0	306	306	
93.8%	0	293	293	
95.1%	0	260	260	
96.3%	0	170	170	
97.5%	0	159	159	
98.8%	0	110	110	
100.0%	0	101	101	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,776	1,776	
12.3%	0	1,769	1,769	
13.6%	0	1,768	1,768	
14.8%	0	1,760	1,760	
16.0%	0	1,734	1,734	
17.3%	0	1,728	1,728	
18.5%	0	1,723	1,723	
19.8%	0	1,721	1,721	
21.0%	0	1,663	1,663	
22.2%	0	1,674	1,674	
23.5%	0	1,670	1,670	
24.7%	0	1,658	1,658	
25.9%	0	1,611	1,611	
27.2%	0	1,588	1,588	
28.4%	0	1,569	1,569	
29.6%	0	1,548	1,548	
30.9%	0	1,534	1,534	
32.1%	0	1,516	1,516	
33.3%	0	1,479	1,479	
34.6%	0	1,479	1,479	
35.8%	0	1,466	1,466	
37.0%	0	1,463	1,463	
38.3%	0	1,455	1,455	
39.5%	0	1,382	1,382	
40.7%	0	1,375	1,375	
42.0%	0	1,287	1,287	
43.2%	0	1,284	1,284	
44.4%	0	1,259	1,259	
45.7%	0	1,252	1,252	
46.9%	0	1,250	1,250	
48.1%	0	1,249	1,249	
49.4%	0	1,241	1,241	
50.6%	0	1,240	1,240	
51.9%	0	1,236	1,236	
53.1%	0	1,228	1,228	
54.3%	0	1,219	1,219	
55.6%	0	1,219	1,219	
56.8%	0	1,213	1,213	
58.0%	0	1,201	1,201	
59.3%	0	1,196	1,196	
60.5%	0	1,182	1,182	
61.7%	0	1,171	1,171	
63.0%	0	1,027	1,027	
64.2%	0	1,009	1,009	
65.4%	0	986	986	
66.7%	0	966	966	
67.9%	0	928	928	
69.1%	0	878	878	
70.4%	0	851	851	
71.6%	0	815	815	
72.8%	0	814	814	
74.1%	0	805	805	
75.3%	0	801	801	
76.5%	0	720	720	
77.8%	0	716	716	
79.0%	0	662	662	
80.2%	0	657	657	
81.5%	0	581	581	
82.7%	0	563	563	
84.0%	0	549	549	
85.2%	0	539	539	
86.4%	0	510	510	
87.7%	0	430	430	
88.9%	0	418	418	
90.1%	0	406	406	
91.4%	0	349	349	
92.6%	0	237	237	
93.8%	0	228	228	
95.1%	0	198	198	
96.3%	0	141	141	
97.5%	0	107	107	
98.8%	0	100	100	
100.0%	0	99	99	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,746	1,746	
4.9%	0	1,721	1,721	
6.2%	0	1,717	1,717	
7.4%	0	1,715	1,715	
8.6%	0	1,708	1,708	
9.9%	0	1,703	1,703	
11.1%	0	1,698	1,698	
12.3%	0	1,696	1,696	
13.6%	0	1,688	1,688	
14.8%	0	1,687	1,687	
16.0%	0	1,680	1,680	
17.3%	0	1,676	1,676	
18.5%	0	1,676	1,676	
19.8%	0	1,639	1,639	
21.0%	0	1,613	1,613	
22.2%	0	1,611	1,611	
23.5%	0	1,583	1,583	
24.7%	0	1,570	1,570	
25.9%	0	1,542	1,542	
27.2%	0	1,533	1,533	
28.4%	0	1,521	1,521	
29.6%	0	1,494	1,494	
30.9%	0	1,443	1,443	
32.1%	0	1,412	1,412	
33.3%	0	1,411	1,411	

Table OP-10-a  
 Sites Reservoir, End of Month Elevation  
 Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	453	453	461	472	483	493	493	490	482	472	464	458
Difference	453	453	461	472	483	493	493	490	482	472	464	458
Percent Difference <sup>3</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	506	506	511	502	511	518	518	519	517	514	513	508
Difference	506	506	511	502	511	518	518	519	517	514	513	508
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	475	477	491	474	489	504	507	509	502	492	486	479
Difference	475	477	491	474	489	504	507	509	502	492	486	479
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	440	440	449	464	474	488	491	490	478	465	452	446
Difference	440	440	449	464	474	488	491	490	478	465	452	446
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	425	424	429	462	474	485	484	480	465	451	440	433
Difference	425	424	429	462	474	485	484	480	465	451	440	433
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	377	375	383	430	439	444	436	425	413	400	389	383
Difference	377	375	383	430	439	444	436	425	413	400	389	383
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

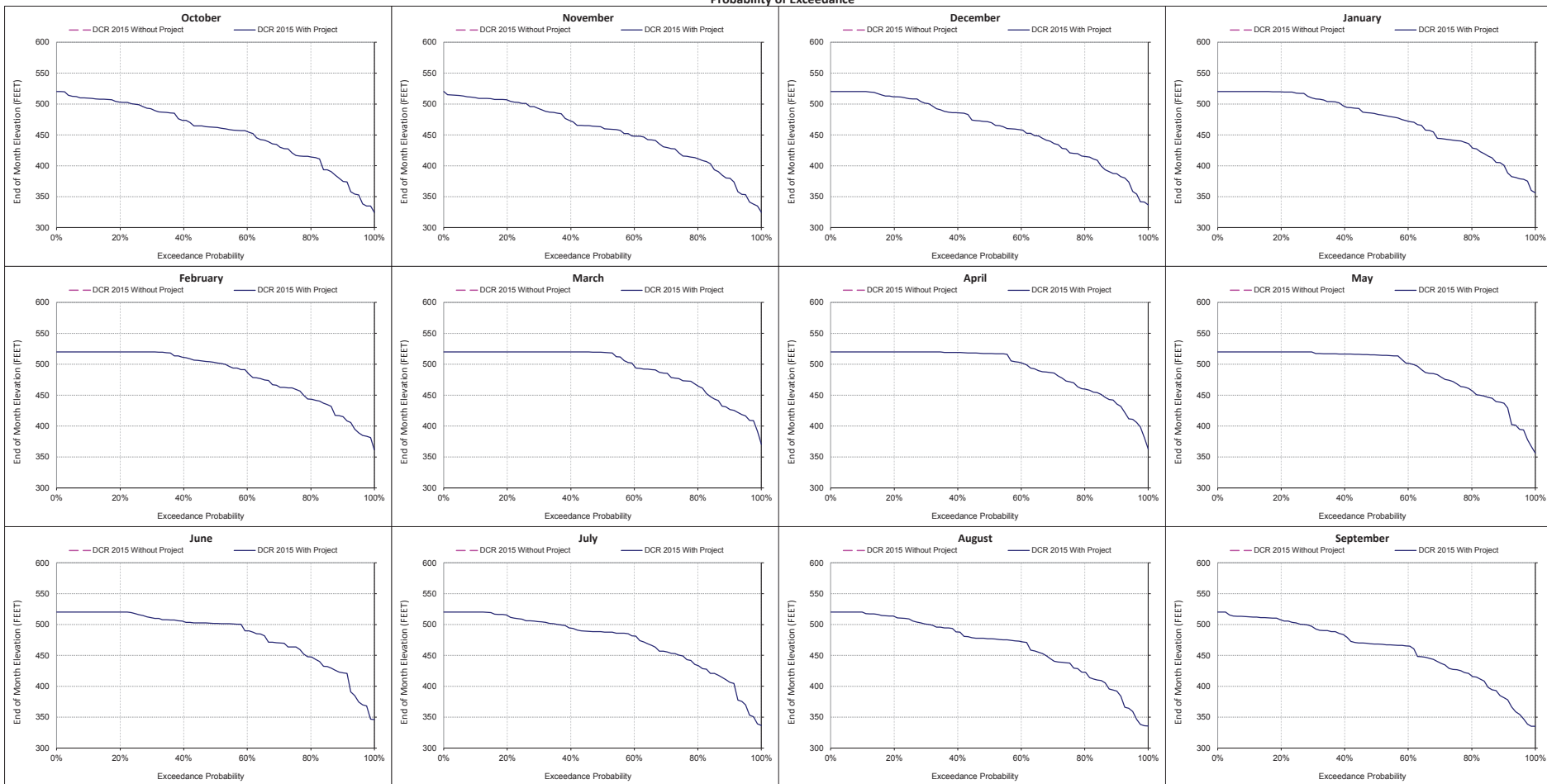
<sup>2</sup> As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

<sup>3</sup> Relative difference of the monthly average





**Figure OP-10-b**  
**Sites Reservoir, End of Month Elevation**  
**Probability of Exceedance**



**Table OP-10-b**  
**Sites Reservoir, End of Month Elevation**  
**Probability of Exceedance**

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	514	514	
4.9%	0	513	513	
6.2%	0	512	512	
7.4%	0	510	510	
8.6%	0	510	510	
9.9%	0	509	509	
11.1%	0	509	509	
12.3%	0	508	508	
13.6%	0	508	508	
14.8%	0	508	508	
16.0%	0	507	507	
17.3%	0	507	507	
18.5%	0	505	505	
19.8%	0	503	503	
21.0%	0	503	503	
22.2%	0	503	503	
23.5%	0	500	500	
24.7%	0	500	500	
25.9%	0	499	499	
27.2%	0	496	496	
28.4%	0	493	493	
29.6%	0	492	492	
30.9%	0	490	490	
32.1%	0	487	487	
33.3%	0	487	487	
34.6%	0	487	487	
35.8%	0	486	486	
37.0%	0	485	485	
38.3%	0	476	476	
39.5%	0	474	474	
40.7%	0	474	474	
42.0%	0	470	466	
43.2%	0	465	465	
44.4%	0	465	465	
45.7%	0	465	465	
46.9%	0	463	463	
48.1%	0	463	463	
49.4%	0	462	462	
50.6%	0	462	462	
51.9%	0	461	461	
53.1%	0	460	460	
54.3%	0	459	459	
55.6%	0	458	458	
56.8%	0	457	457	
58.0%	0	457	457	
59.3%	0	457	457	
60.5%	0	454	454	
61.7%	0	452	452	
63.0%	0	445	445	
64.2%	0	442	442	
65.4%	0	441	441	
66.7%	0	439	439	
67.9%	0	435	435	
69.1%	0	435	435	
70.4%	0	430	430	
71.6%	0	428	428	
72.8%	0	427	427	
74.1%	0	421	421	
75.3%	0	416	416	
76.5%	0	416	416	
77.8%	0	416	416	
79.0%	0	415	415	
80.2%	0	414	414	
81.5%	0	413	413	
82.7%	0	411	411	
84.0%	0	394	394	
85.2%	0	393	393	
86.4%	0	391	391	
87.7%	0	385	385	
88.9%	0	380	380	
90.1%	0	375	380	
91.4%	0	374	374	
92.6%	0	358	358	
93.8%	0	354	354	
95.1%	0	353	353	
96.3%	0	338	338	
97.5%	0	335	335	
98.8%	0	335	335	
100.0%	0	325	325	

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	515	515	
2.5%	0	515	515	
3.7%	0	514	514	
4.9%	0	514	514	
6.2%	0	513	513	
7.4%	0	512	512	
8.6%	0	511	511	
9.9%	0	510	510	
11.1%	0	509	509	
12.3%	0	509	509	
13.6%	0	509	509	
14.8%	0	509	509	
16.0%	0	508	508	
17.3%	0	507	507	
18.5%	0	507	507	
19.8%	0	507	507	
21.0%	0	505	505	
22.2%	0	503	503	
23.5%	0	503	503	
24.7%	0	501	501	
25.9%	0	501	501	
27.2%	0	496	496	
28.4%	0	493	493	
29.6%	0	493	493	
30.9%	0	491	491	
32.1%	0	488	488	
33.3%	0	487	487	
34.6%	0	486	486	
35.8%	0	485	485	
37.0%	0	484	484	
38.3%	0	477	477	
39.5%	0	474	474	
40.7%	0	471	471	
42.0%	0	466	466	
43.2%	0	466	466	
44.4%	0	465	465	
45.7%	0	465	465	
46.9%	0	464	464	
48.1%	0	464	464	
49.4%	0	463	463	
50.6%	0	460	460	
51.9%	0	460	460	
53.1%	0	459	459	
54.3%	0	459	459	
55.6%	0	457	457	
56.8%	0	452	452	
58.0%	0	452	452	
59.3%	0	448	448	
60.5%	0	448	448	
61.7%	0	448	448	
63.0%	0	446	446	
64.2%	0	442	442	
65.4%	0	442	442	
66.7%	0	441	441	
67.9%	0	435	435	
69.1%	0	431	431	
70.4%	0	429	429	
71.6%	0	428	428	
72.8%	0	427	427	
74.1%	0	421	421	
75.3%	0	416	416	
76.5%	0	415	415	
77.8%	0	414	414	
79.0%	0	413	413	
80.2%	0	411	411	
81.5%	0	408	408	
82.7%	0	407	407	
84.0%	0	403	403	
85.2%	0	393	393	
86.4%	0	391	391	
87.7%	0	385	385	
88.9%	0	380	380	
90.1%	0	380	380	
91.4%	0	374	374	
92.6%	0	358	358	
93.8%	0	354	354	
95.1%	0	353	353	
96.3%	0	341	341	
97.5%	0	338	338	
98.8%	0	335	335	
100.0%	0	324	324	

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	519	519	
13.6%	0	519	519	
14.8%	0	517	517	
16.0%	0	515	515	
17.3%	0	513	513	
18.5%	0	513	513	
19.8%	0	512	512	
21.0%	0	512	512	
22.2%	0	511	511	
23.5%	0	510	510	
24.7%	0	509	509	
25.9%	0	508	508	
27.2%	0	508	508	
28.4%	0	504	504	
29.6%	0	502	502	
30.9%	0	500	500	
32.1%	0	497	497	
33.3%	0	493	493	
34.6%	0	491	491	
35.8%	0	488	488	
37.0%	0	487	487	
38.3%	0	486	486	
39.5%	0	486	486	
40.7%	0	486	486	
42.0%	0	485	485	
43.2%	0	483	483	
44.4%	0	474	474	
45.7%	0	473	473	
46.9%	0	473	473	
48.1%	0	472	472	
49.4%	0	471	471	
50.6%	0	470	470	
51.9%	0	466	466	
53.1%	0	465	465	
54.3%	0	463	463	
55.6%	0	460	460	
56.8%	0	460	460	
58.0%	0	460	460	
59.3%	0	459	459	
60.5%	0	458	458	
61.7%	0	453	453	
63.0%	0	452	452	
64.2%	0	449	449	
65.4%	0	448	448	
66.7%	0	444	444	
67.9%	0	441	441	
69.1%	0	440	440	
70.4%	0	436	436	
71.6%	0	434	434	
72.8%	0	428	428	
74.1%	0	428	428	
75.3%	0	421	421	
76.5%	0	420	420	
77.8%	0	420	420	
79.0%	0	416	416	
80.2%	0	415	415	
81.5%	0	414	414	
82.7%	0	411	411	
84.0%	0	409	409	
85.2%	0	400	400	
86.4%	0	394	394	
87.7%	0	391	391	
88.9%	0	387	387	
90.1%	0	387	387	
91.4%	0	382	382	
92.6%	0	380	380	
93.8%	0	374	374	
95.1%	0	358	358	
96.3%	0	354	354	
97.5%	0	342	342	
98.8%	0	341	341	
100.0%	0	337	337	

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	518	518	
25.9%	0	517	517	
27.2%	0	517	517	
28.4%	0	513	513	
29.6%	0	510	510	
30.9%	0	508	508	
32.1%	0	508	508	
33.3%	0	507	507	
34.6%	0	504	504	
35.8%	0	504	504	
37.0%	0	503	503	
38.3%	0	502	502	
39.5%	0	497	497	
40.7%	0	494	494	
42.0%	0	494	494	
43.2%	0	493	493	
44.4%	0	493	493	
45.7%	0	487	487	
46.9%	0	486	486	
48.1%	0	485	485	
49.4%	0	485	485	
50.6%	0	483	483	
51.9%	0	482	482	
53.1%	0	481	481	
54.3%	0	480	480	
55.6%	0	479	479	
56.8%	0	477	477	
58.				

**Table OP-10-b**  
**Sites Reservoir, End of Month Elevation**  
**Probability of Exceedance**

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	519	519	
35.8%	0	518	518	
37.0%	0	513	513	
38.3%	0	513	513	
39.5%	0	512	512	
40.7%	0	511	511	
42.0%	0	509	509	
43.2%	0	507	507	
44.4%	0	506	506	
45.7%	0	505	505	
46.9%	0	505	505	
48.1%	0	504	504	
49.4%	0	503	503	
50.6%	0	502	502	
51.9%	0	501	501	
53.1%	0	500	500	
54.3%	0	496	496	
55.6%	0	494	494	
56.8%	0	494	494	
58.0%	0	491	491	
59.3%	0	491	491	
60.5%	0	484	484	
61.7%	0	478	478	
63.0%	0	478	478	
64.2%	0	477	477	
65.4%	0	475	475	
66.7%	0	474	474	
67.9%	0	467	467	
69.1%	0	466	466	
70.4%	0	463	463	
71.6%	0	462	462	
72.8%	0	462	462	
74.1%	0	462	462	
75.3%	0	459	459	
76.5%	0	456	456	
77.8%	0	450	450	
79.0%	0	444	444	
80.2%	0	443	443	
81.5%	0	442	442	
82.7%	0	440	440	
84.0%	0	437	437	
85.2%	0	435	435	
86.4%	0	432	432	
87.7%	0	417	417	
88.9%	0	417	417	
90.1%	0	415	415	
91.4%	0	408	408	
92.6%	0	406	406	
93.8%	0	395	395	
95.1%	0	389	389	
96.3%	0	385	385	
97.5%	0	384	384	
98.8%	0	381	381	
100.0%	0	362	362	

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	520	520	
40.7%	0	520	520	
42.0%	0	509	509	
43.2%	0	507	507	
44.4%	0	520	520	
45.7%	0	520	520	
46.9%	0	520	520	
48.1%	0	520	520	
49.4%	0	520	520	
50.6%	0	519	519	
51.9%	0	519	519	
53.1%	0	518	518	
54.3%	0	512	512	
55.6%	0	512	512	
56.8%	0	506	506	
58.0%	0	503	503	
59.3%	0	502	502	
60.5%	0	494	494	
61.7%	0	493	493	
63.0%	0	492	492	
64.2%	0	492	492	
65.4%	0	491	491	
66.7%	0	491	491	
67.9%	0	487	487	
69.1%	0	486	486	
70.4%	0	485	485	
71.6%	0	478	478	
72.8%	0	478	478	
74.1%	0	477	477	
75.3%	0	473	473	
76.5%	0	473	473	
77.8%	0	473	473	
79.0%	0	468	468	
80.2%	0	464	464	
81.5%	0	462	462	
82.7%	0	453	453	
84.0%	0	448	448	
85.2%	0	444	444	
86.4%	0	441	441	
87.7%	0	432	432	
88.9%	0	431	431	
90.1%	0	427	427	
91.4%	0	425	425	
92.6%	0	422	422	
93.8%	0	418	418	
95.1%	0	416	416	
96.3%	0	409	409	
97.5%	0	409	409	
98.8%	0	391	391	
100.0%	0	370	370	

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	519	519	
37.0%	0	519	519	
38.3%	0	519	519	
39.5%	0	519	519	
40.7%	0	519	519	
42.0%	0	519	519	
43.2%	0	518	518	
44.4%	0	518	518	
45.7%	0	518	518	
46.9%	0	518	518	
48.1%	0	518	518	
49.4%	0	518	518	
50.6%	0	517	517	
51.9%	0	517	517	
53.1%	0	517	517	
54.3%	0	517	517	
55.6%	0	516	516	
56.8%	0	506	506	
58.0%	0	504	504	
59.3%	0	503	503	
60.5%	0	502	502	
61.7%	0	499	499	
63.0%	0	494	494	
64.2%	0	492	492	
65.4%	0	489	489	
66.7%	0	488	488	
67.9%	0	488	488	
69.1%	0	486	486	
70.4%	0	486	486	
71.6%	0	481	481	
72.8%	0	477	477	
74.1%	0	473	473	
75.3%	0	471	471	
76.5%	0	470	470	
77.8%	0	464	464	
79.0%	0	460	460	
80.2%	0	460	460	
81.5%	0	458	458	
82.7%	0	455	455	
84.0%	0	454	454	
85.2%	0	451	451	
86.4%	0	446	446	
87.7%	0	443	443	
88.9%	0	442	442	
90.1%	0	436	436	
91.4%	0	432	432	
92.6%	0	422	422	
93.8%	0	412	412	
95.1%	0	411	411	
96.3%	0	406	406	
97.5%	0	398	398	
98.8%	0	381	381	
100.0%	0	363	363	

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	518	518	
32.1%	0	517	517	
33.3%	0	517	517	
34.6%	0	517	517	
35.8%	0	517	517	
37.0%	0	517	517	
38.3%	0	517	517	
39.5%	0	517	517	
40.7%	0	516	516	
42.0%	0	516	516	
43.2%	0	516	516	
44.4%	0	516	516	
45.7%	0	516	516	
46.9%	0	516	516	
48.1%	0	515	515	
49.4%	0	515	515	
50.6%	0	515	515	
51.9%	0	515	515	
53.1%	0	514	514	
54.3%	0	514	514	
55.6%	0	513	513	
56.8%	0	513	513	
58.				

**Table OP-10-b**  
**Sites Reservoir, End of Month Elevation**  
**Probability of Exceedance**

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	519	519	
24.7%	0	517	517	
25.9%	0	516	516	
27.2%	0	515	515	
28.4%	0	512	512	
29.6%	0	511	511	
30.9%	0	510	510	
32.1%	0	510	510	
33.3%	0	508	508	
34.6%	0	508	508	
35.8%	0	507	507	
37.0%	0	507	507	
38.3%	0	506	506	
39.5%	0	505	505	
40.7%	0	504	504	
42.0%	0	503	503	
43.2%	0	503	503	
44.4%	0	503	503	
45.7%	0	503	503	
46.9%	0	503	503	
48.1%	0	502	502	
49.4%	0	502	502	
50.6%	0	502	502	
51.9%	0	501	501	
53.1%	0	501	501	
54.3%	0	501	501	
55.6%	0	501	501	
56.8%	0	500	500	
58.0%	0	500	500	
59.3%	0	490	490	
60.5%	0	490	490	
61.7%	0	488	488	
63.0%	0	485	485	
64.2%	0	485	485	
65.4%	0	481	481	
66.7%	0	471	471	
67.9%	0	471	471	
69.1%	0	470	470	
70.4%	0	470	470	
71.6%	0	470	470	
72.8%	0	464	464	
74.1%	0	464	464	
75.3%	0	464	464	
76.5%	0	460	460	
77.8%	0	452	452	
79.0%	0	448	448	
80.2%	0	447	447	
81.5%	0	443	443	
82.7%	0	440	440	
84.0%	0	432	432	
85.2%	0	432	432	
86.4%	0	429	429	
87.7%	0	426	426	
88.9%	0	423	423	
90.1%	0	422	422	
91.4%	0	421	421	
92.6%	0	391	391	
93.8%	0	385	385	
95.1%	0	375	375	
96.3%	0	370	370	
97.5%	0	368	368	
98.8%	0	347	347	
100.0%	0	346	346	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	519	519	
16.0%	0	517	517	
17.3%	0	517	517	
18.5%	0	516	516	
19.8%	0	515	515	
21.0%	0	511	511	
22.2%	0	510	510	
23.5%	0	509	509	
24.7%	0	509	509	
25.9%	0	506	506	
27.2%	0	506	506	
28.4%	0	506	506	
29.6%	0	505	505	
30.9%	0	504	504	
32.1%	0	503	503	
33.3%	0	502	502	
34.6%	0	501	501	
35.8%	0	500	500	
37.0%	0	499	499	
38.3%	0	498	498	
39.5%	0	494	494	
40.7%	0	494	494	
42.0%	0	491	491	
43.2%	0	490	490	
44.4%	0	489	489	
45.7%	0	489	489	
46.9%	0	489	489	
48.1%	0	489	489	
49.4%	0	489	489	
50.6%	0	488	488	
51.9%	0	488	488	
53.1%	0	488	488	
54.3%	0	486	486	
55.6%	0	486	486	
56.8%	0	486	486	
58.0%	0	485	485	
59.3%	0	482	482	
60.5%	0	481	481	
61.7%	0	474	474	
63.0%	0	472	472	
64.2%	0	469	469	
65.4%	0	466	466	
66.7%	0	463	463	
67.9%	0	457	457	
69.1%	0	457	457	
70.4%	0	456	456	
71.6%	0	454	454	
72.8%	0	453	453	
74.1%	0	450	450	
75.3%	0	449	449	
76.5%	0	443	443	
77.8%	0	442	442	
79.0%	0	435	435	
80.2%	0	433	433	
81.5%	0	429	429	
82.7%	0	428	428	
84.0%	0	421	421	
85.2%	0	421	421	
86.4%	0	418	418	
87.7%	0	414	414	
88.9%	0	411	411	
90.1%	0	406	406	
91.4%	0	404	404	
92.6%	0	378	378	
93.8%	0	375	375	
95.1%	0	370	370	
96.3%	0	353	353	
97.5%	0	351	351	
98.8%	0	339	339	
100.0%	0	336	336	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	518	518	
12.3%	0	517	517	
13.6%	0	517	517	
14.8%	0	517	517	
16.0%	0	515	515	
17.3%	0	514	514	
18.5%	0	514	514	
19.8%	0	514	514	
21.0%	0	511	511	
22.2%	0	510	510	
23.5%	0	510	510	
24.7%	0	509	509	
25.9%	0	506	506	
27.2%	0	504	504	
28.4%	0	503	503	
29.6%	0	501	501	
30.9%	0	500	500	
32.1%	0	499	499	
33.3%	0	496	496	
34.6%	0	496	496	
35.8%	0	495	495	
37.0%	0	495	495	
38.3%	0	494	494	
39.5%	0	488	488	
40.7%	0	488	488	
42.0%	0	481	481	
43.2%	0	481	481	
44.4%	0	478	478	
45.7%	0	478	478	
46.9%	0	478	478	
48.1%	0	478	478	
49.4%	0	477	477	
50.6%	0	477	477	
51.9%	0	477	477	
53.1%	0	476	476	
54.3%	0	475	475	
55.6%	0	475	475	
56.8%	0	475	475	
58.0%	0	474	474	
59.3%	0	473	473	
60.5%	0	472	472	
61.7%	0	471	471	
63.0%	0	459	459	
64.2%	0	457	457	
65.4%	0	455	455	
66.7%	0	453	453	
67.9%	0	450	450	
69.1%	0	445	445	
70.4%	0	441	441	
71.6%	0	439	439	
72.8%	0	439	439	
74.1%	0	438	438	
75.3%	0	438	438	
76.5%	0	429	429	
77.8%	0	429	429	
79.0%	0	423	423	
80.2%	0	423	423	
81.5%	0	414	414	
82.7%	0	412	412	
84.0%	0	410	410	
85.2%	0	409	409	
86.4%	0	406	406	
87.7%	0	396	396	
88.9%	0	394	394	
90.1%	0	392	392	
91.4%	0	384	384	
92.6%	0	366	366	
93.8%	0	365	365	
95.1%	0	359	359	
96.3%	0	346	346	
97.5%	0	338	338	
98.8%	0	336	336	
100.0%	0	336	336	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	516	516	
4.9%	0	514	514	
6.2%	0	513	513	
7.4%	0	513	513	
8.6%	0	520	513	
9.9%	0	512	513	
11.1%	0	512	512	
12.3%	0	512	512	
13.6%	0	511	511	
14.8%	0	511	511	
16.0%	0	511	511	
17.3%	0	510	510	
18.5%	0	510	510	
19.8%	0	508	508	
21.0%	0	506	506	
22.2%	0	506	506	
23.5%	0	504	504	
24.7%	0	503	503	
25.9%	0	501	501	
27.2%	0	500	500	
28.4%	0	503	499	
29.6%	0	497	497	
30.9%	0	493	493	
32.1%	0	491	491	
33.3%	0	490	490	
34.6%	0	490	490	
35.8%	0	489	489	
37.0%	0	488	488	
38.3%	0	485	485	
39.5%	0	484	484	
40.7%	0	480	480	
42.0%	0	473	473	
43.2%	0	471	471	
44.4%	0	470	470	
45.7%	0	470	470	
46.9%	0	470	470	
48.1%	0	469	469	
49.4%	0	468	468	
50.6%	0	468	468	
51.9%	0	468	468	
53.1%	0	467	467	
54.3%	0	467	467	
55.6%	0	467	467	
56.8%	0	466	466	
58.				

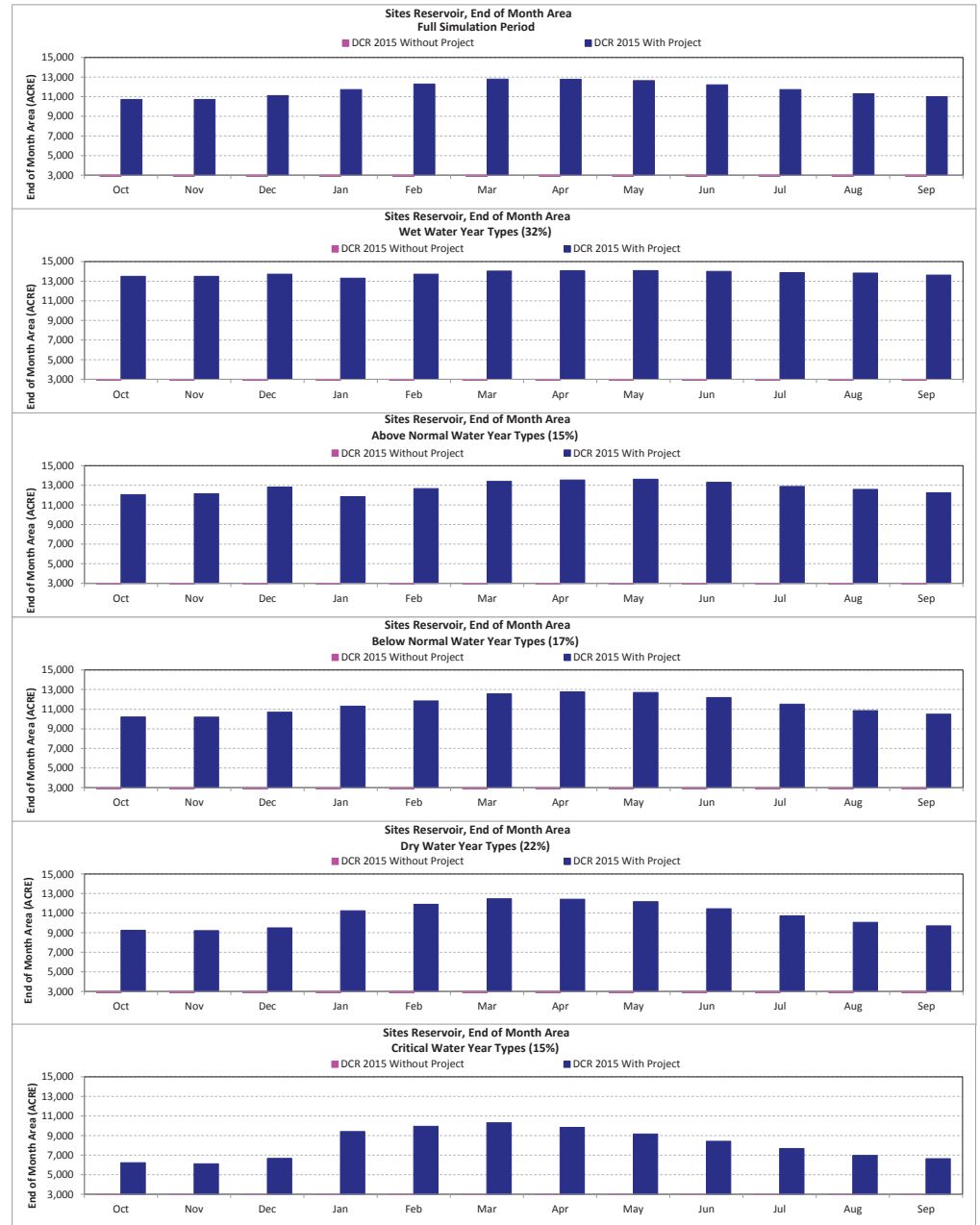
Table OP-11-a  
 Sites Reservoir, End of Month Area  
 Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	10,725	10,713	11,112	11,727	12,291	12,800	12,786	12,641	12,213	11,723	11,306	11,001
Difference	10,725	10,713	11,112	11,727	12,291	12,800	12,786	12,641	12,213	11,723	11,306	11,001
Percent Difference <sup>2</sup>												
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	13,500	13,498	13,723	13,307	13,717	14,030	14,063	14,083	14,001	13,871	13,825	13,620
Difference	13,500	13,498	13,723	13,307	13,717	14,030	14,063	14,083	14,001	13,871	13,825	13,620
Percent Difference												
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	12,044	12,140	12,821	11,844	12,653	13,395	13,544	13,613	13,312	12,884	12,582	12,238
Difference	12,044	12,140	12,821	11,844	12,653	13,395	13,544	13,613	13,312	12,884	12,582	12,238
Percent Difference												
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	10,204	10,199	10,694	11,312	11,840	12,572	12,766	12,716	12,189	11,508	10,847	10,498
Difference	10,204	10,199	10,694	11,312	11,840	12,572	12,766	12,716	12,189	11,508	10,847	10,498
Percent Difference												
<b>Dry (22%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	9,237	9,209	9,495	11,240	11,909	12,468	12,425	12,178	11,451	10,717	10,067	9,693
Difference	9,237	9,209	9,495	11,240	11,909	12,468	12,425	12,178	11,451	10,717	10,067	9,693
Percent Difference												
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
DCR 2015 With Project	6,232	6,111	6,660	9,403	9,939	10,304	9,827	9,153	8,410	7,667	6,963	6,641
Difference	6,232	6,111	6,660	9,403	9,939	10,304	9,827	9,153	8,410	7,667	6,963	6,641
Percent Difference												

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure OP-11-b**  
**Sites Reservoir, End of Month Area**  
**Probability of Exceedance**

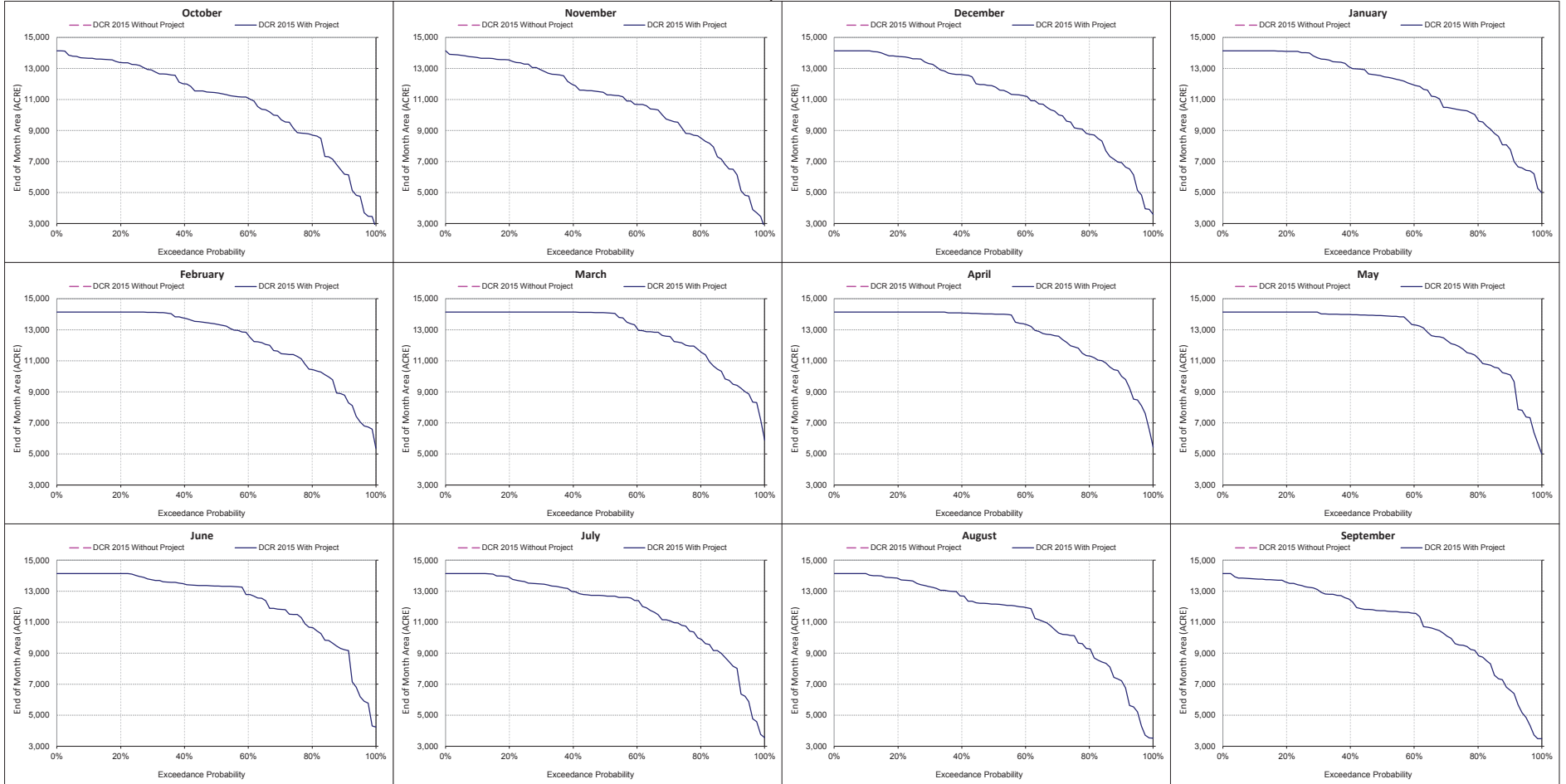


Table OP-11-b  
Sites Reservoir, End of Month Area  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,127	14,127	
3.7%	0	13,873	13,873	
4.9%	0	13,804	13,804	
6.2%	0	13,782	13,782	
7.4%	0	13,692	13,692	
8.6%	0	13,685	13,685	
9.9%	0	13,662	13,662	
11.1%	0	13,659	13,659	
12.3%	0	13,614	13,614	
13.6%	0	13,602	13,602	
14.8%	0	13,586	13,586	
16.0%	0	13,567	13,567	
17.3%	0	13,564	13,564	
18.5%	0	13,454	13,454	
19.8%	0	13,386	13,386	
21.0%	0	13,365	13,365	
22.2%	0	13,362	13,362	
23.5%	0	13,271	13,271	
24.7%	0	13,247	13,247	
25.9%	0	13,202	13,202	
27.2%	0	13,061	13,061	
28.4%	0	12,946	12,946	
29.6%	0	12,900	12,900	
30.9%	0	12,767	12,767	
32.1%	0	12,653	12,653	
33.3%	0	12,649	12,649	
34.6%	0	12,627	12,627	
35.8%	0	12,585	12,585	
37.0%	0	12,555	12,555	
38.3%	0	12,124	12,124	
39.5%	0	12,011	12,011	
40.7%	0	12,007	12,007	
42.0%	0	11,837	11,837	
43.2%	0	11,659	11,559	
44.4%	0	11,552	11,552	
45.7%	0	11,552	11,552	
46.9%	0	11,486	11,486	
48.1%	0	11,464	11,464	
49.4%	0	11,443	11,443	
50.6%	0	11,418	11,418	
51.9%	0	11,360	11,360	
53.1%	0	11,307	11,307	
54.3%	0	11,248	11,248	
55.6%	0	11,204	11,204	
56.8%	0	11,169	11,169	
58.0%	0	11,157	11,157	
59.3%	0	11,153	11,153	
60.5%	0	11,022	11,022	
61.7%	0	10,899	10,899	
63.0%	0	10,543	10,543	
64.2%	0	10,377	10,377	
65.4%	0	10,335	10,335	
66.7%	0	10,198	10,198	
67.9%	0	9,994	9,994	
69.1%	0	9,963	9,963	
70.4%	0	9,678	9,678	
71.6%	0	9,558	9,558	
72.8%	0	9,541	9,541	
74.1%	0	9,164	9,164	
75.3%	0	8,872	8,872	
76.5%	0	8,828	8,828	
77.8%	0	8,805	8,805	
79.0%	0	8,785	8,785	
80.2%	0	8,699	8,699	
81.5%	0	8,644	8,644	
82.7%	0	8,486	8,486	
84.0%	0	8,315	7,949	
85.2%	0	7,313	7,313	
86.4%	0	7,149	7,149	
87.7%	0	6,817	6,817	
88.9%	0	6,492	6,492	
90.1%	0	6,171	6,171	
91.4%	0	6,138	6,138	
92.6%	0	5,127	5,127	
93.8%	0	4,832	4,832	
95.1%	0	4,762	4,762	
96.3%	0	3,701	3,701	
97.5%	0	3,473	3,473	
98.8%	0	3,460	3,460	
100.0%	0	2,710	2,710	

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	13,909	13,909	
2.5%	0	13,902	13,902	
3.7%	0	13,876	13,876	
4.9%	0	13,853	13,853	
6.2%	0	13,820	13,820	
7.4%	0	13,764	13,764	
8.6%	0	13,738	13,738	
9.9%	0	13,709	13,709	
11.1%	0	13,659	13,659	
12.3%	0	13,656	13,656	
13.6%	0	13,655	13,655	
14.8%	0	13,639	13,639	
16.0%	0	13,583	13,583	
17.3%	0	13,581	13,581	
18.5%	0	13,571	13,571	
19.8%	0	13,560	13,560	
21.0%	0	13,452	13,452	
22.2%	0	13,387	13,387	
23.5%	0	13,364	13,364	
24.7%	0	13,287	13,287	
25.9%	0	13,287	13,287	
27.2%	0	13,067	13,067	
28.4%	0	13,066	13,066	
29.6%	0	12,941	12,941	
30.9%	0	12,818	12,818	
32.1%	0	12,700	12,700	
33.3%	0	12,640	12,640	
34.6%	0	12,621	12,621	
35.8%	0	12,574	12,574	
37.0%	0	12,529	12,529	
38.3%	0	12,161	12,161	
39.5%	0	12,005	12,005	
40.7%	0	11,880	11,880	
42.0%	0	11,601	11,601	
43.2%	0	11,596	11,596	
44.4%	0	11,569	11,569	
45.7%	0	11,569	11,569	
46.9%	0	11,531	11,531	
48.1%	0	11,496	11,496	
49.4%	0	11,475	11,475	
50.6%	0	11,302	11,302	
51.9%	0	11,294	11,294	
53.1%	0	11,267	11,267	
54.3%	0	11,244	11,244	
55.6%	0	11,173	11,173	
56.8%	0	10,908	10,908	
58.0%	0	10,898	10,898	
59.3%	0	10,699	10,699	
60.5%	0	10,683	10,683	
61.7%	0	10,673	10,673	
63.0%	0	10,602	10,602	
64.2%	0	10,389	10,389	
65.4%	0	10,372	10,372	
66.7%	0	10,327	10,327	
67.9%	0	10,006	10,006	
69.1%	0	9,743	9,743	
70.4%	0	9,661	9,661	
71.6%	0	9,562	9,562	
72.8%	0	9,535	9,535	
74.1%	0	9,167	9,167	
75.3%	0	8,819	8,819	
76.5%	0	8,794	8,794	
77.8%	0	8,696	8,696	
79.0%	0	8,654	8,654	
80.2%	0	8,486	8,486	
81.5%	0	8,303	8,303	
82.7%	0	8,173	8,173	
84.0%	0	7,949	7,949	
85.2%	0	7,313	7,313	
86.4%	0	7,144	7,144	
87.7%	0	6,818	6,818	
88.9%	0	6,522	6,522	
90.1%	0	6,486	6,486	
91.4%	0	6,135	6,135	
92.6%	0	5,118	5,118	
93.8%	0	4,822	4,822	
95.1%	0	4,766	4,766	
96.3%	0	3,907	3,907	
97.5%	0	3,688	3,688	
98.8%	0	3,456	3,456	
100.0%	0	2,703	2,703	

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,132	14,132	
12.3%	0	14,095	14,095	
13.6%	0	14,077	14,077	
14.8%	0	14,000	14,000	
16.0%	0	13,893	13,893	
17.3%	0	13,821	13,821	
18.5%	0	13,814	13,814	
19.8%	0	13,774	13,774	
21.0%	0	13,760	13,760	
22.2%	0	13,743	13,743	
23.5%	0	13,690	13,690	
24.7%	0	13,632	13,632	
25.9%	0	13,621	13,621	
27.2%	0	13,611	13,611	
28.4%	0	13,419	13,419	
29.6%	0	13,318	13,318	
30.9%	0	13,270	13,270	
32.1%	0	13,103	13,103	
33.3%	0	12,908	12,908	
34.6%	0	12,830	12,830	
35.8%	0	12,709	12,709	
37.0%	0	12,648	12,648	
38.3%	0	12,607	12,607	
39.5%	0	12,607	12,607	
40.7%	0	12,586	12,586	
42.0%	0	12,567	12,567	
43.2%	0	12,469	12,469	
44.4%	0	12,019	12,019	
45.7%	0	11,971	11,971	
46.9%	0	11,965	11,965	
48.1%	0	11,921	11,921	
49.4%	0	11,893	11,893	
50.6%	0	11,801	11,801	
51.9%	0	11,596	11,596	
53.1%	0	11,580	11,580	
54.3%	0	11,491	11,491	
55.6%	0	11,328	11,328	
56.8%	0	11,314	11,314	
58.0%	0	11,300	11,300	
59.3%	0	11,246	11,246	
60.5%	0	11,190	11,190	
61.7%	0	10,924	10,924	
63.0%	0	10,920	10,920	
64.2%	0	10,720	10,720	
65.4%	0	10,692	10,692	
66.7%	0	10,495	10,495	
67.9%	0	10,330	10,330	
69.1%	0	10,251	10,251	
70.4%	0	10,019	10,019	
71.6%	0	9,938	9,938	
72.8%	0	9,593	9,593	
74.1%	0	9,551	9,551	
75.3%	0	9,177	9,177	
76.5%	0	9,118	9,118	
77.8%	0	9,093	9,093	
79.0%	0	8,811	8,811	
80.2%	0	8,750	8,750	
81.5%	0	8,714	8,714	
82.7%	0	8,493	8,493	
84.0%	0	8,325	8,325	
85.2%	0	7,678	7,678	
86.4%	0	7,316	7,316	
87.7%	0	7,145	7,145	
88.9%	0	6,956	6,956	
90.1%	0	6,930	6,930	
91.4%	0	6,847	6,847	
92.6%	0	6,522	6,522	
93.8%	0	6,138	6,138	
95.1%	0	5,132	5,132	
96.3%	0	4,835	4,835	
97.5%	0	3,954	3,954	
98.8%	0	3,911	3,911	
100.0%	0	3,584	3,584	

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	

Table OP-11-b  
Sites Reservoir, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,126	14,126	
29.6%	0	14,122	14,122	
30.9%	0	14,121	14,121	
32.1%	0	14,110	14,110	
33.3%	0	14,110	14,110	
34.6%	0	14,077	14,077	
35.8%	0	14,048	14,048	
37.0%	0	13,842	13,842	
38.3%	0	13,839	13,839	
39.5%	0	13,761	13,761	
40.7%	0	13,718	13,718	
42.0%	0	13,638	13,638	
43.2%	0	13,549	13,549	
44.4%	0	13,534	13,534	
45.7%	0	13,489	13,489	
46.9%	0	13,454	13,454	
48.1%	0	13,427	13,427	
49.4%	0	13,395	13,395	
50.6%	0	13,332	13,332	
51.9%	0	13,294	13,294	
53.1%	0	13,242	13,242	
54.3%	0	13,077	13,077	
55.6%	0	12,972	12,972	
56.8%	0	12,967	12,967	
58.0%	0	12,855	12,855	
59.3%	0	12,847	12,847	
60.5%	0	12,510	12,510	
61.7%	0	12,246	12,246	
63.0%	0	12,219	12,219	
64.2%	0	12,172	12,172	
65.4%	0	12,063	12,063	
66.7%	0	12,006	12,006	
67.9%	0	11,681	11,681	
69.1%	0	11,625	11,625	
70.4%	0	11,449	11,449	
71.6%	0	11,444	11,444	
72.8%	0	11,410	11,410	
74.1%	0	11,406	11,406	
75.3%	0	11,279	11,279	
76.5%	0	11,133	11,133	
77.8%	0	10,785	10,785	
79.0%	0	10,460	10,460	
80.2%	0	10,434	10,434	
81.5%	0	10,345	10,345	
82.7%	0	10,281	10,281	
84.0%	0	10,101	10,101	
85.2%	0	9,964	9,964	
86.4%	0	9,785	9,785	
87.7%	0	8,930	8,930	
88.9%	0	8,888	8,888	
90.1%	0	8,763	8,763	
91.4%	0	8,298	8,298	
92.6%	0	8,118	8,118	
93.8%	0	7,411	7,411	
95.1%	0	7,051	7,051	
96.3%	0	6,805	6,805	
97.5%	0	6,731	6,731	
98.8%	0	6,592	6,592	
100.0%	0	5,385	5,385	

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,137	14,137	
35.8%	0	14,137	14,137	
37.0%	0	14,137	14,137	
38.3%	0	14,137	14,137	
39.5%	0	14,137	14,137	
40.7%	0	14,136	14,136	
42.0%	0	14,134	14,134	
43.2%	0	14,123	14,123	
44.4%	0	14,122	14,122	
45.7%	0	14,120	14,120	
46.9%	0	14,116	14,116	
48.1%	0	14,110	14,110	
49.4%	0	14,110	14,110	
50.6%	0	14,086	14,086	
51.9%	0	14,082	14,082	
53.1%	0	14,059	14,059	
54.3%	0	13,798	13,798	
55.6%	0	13,773	13,773	
56.8%	0	13,501	13,501	
58.0%	0	13,386	13,386	
59.3%	0	13,330	13,330	
60.5%	0	12,965	12,965	
61.7%	0	12,941	12,941	
63.0%	0	12,882	12,882	
64.2%	0	12,880	12,880	
65.4%	0	12,844	12,844	
66.7%	0	12,835	12,835	
67.9%	0	12,646	12,646	
69.1%	0	12,591	12,591	
70.4%	0	12,567	12,567	
71.6%	0	12,239	12,239	
72.8%	0	12,215	12,215	
74.1%	0	12,159	12,159	
75.3%	0	11,997	11,997	
76.5%	0	11,959	11,959	
77.8%	0	11,956	11,956	
79.0%	0	11,742	11,742	
80.2%	0	11,539	11,539	
81.5%	0	11,395	11,395	
82.7%	0	10,942	10,942	
84.0%	0	10,672	10,672	
85.2%	0	10,456	10,456	
86.4%	0	10,322	10,322	
87.7%	0	9,831	9,831	
88.9%	0	9,749	9,749	
90.1%	0	8,495	8,495	
91.4%	0	8,424	8,424	
92.6%	0	9,233	9,233	
93.8%	0	9,014	9,014	
95.1%	0	8,866	8,866	
96.3%	0	8,344	8,344	
97.5%	0	8,315	8,315	
98.8%	0	7,194	7,194	
100.0%	0	5,900	5,900	

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,137	14,137	
35.8%	0	14,086	14,086	
37.0%	0	14,095	14,095	
38.3%	0	14,087	14,087	
39.5%	0	14,086	14,086	
40.7%	0	14,083	14,083	
42.0%	0	14,080	14,080	
43.2%	0	14,057	14,057	
44.4%	0	14,051	14,051	
45.7%	0	14,046	14,046	
46.9%	0	14,028	14,028	
48.1%	0	14,025	14,025	
49.4%	0	14,020	14,020	
50.6%	0	14,009	14,009	
51.9%	0	14,002	14,002	
53.1%	0	14,002	14,002	
54.3%	0	13,995	13,995	
55.6%	0	13,951	13,951	
56.8%	0	13,493	13,493	
58.0%	0	13,428	13,428	
59.3%	0	13,399	13,399	
60.5%	0	13,327	13,327	
61.7%	0	13,213	13,213	
63.0%	0	12,959	12,959	
64.2%	0	12,900	12,900	
65.4%	0	12,761	12,761	
66.7%	0	12,700	12,700	
67.9%	0	12,681	12,681	
69.1%	0	12,621	12,621	
70.4%	0	12,583	12,583	
71.6%	0	12,372	12,372	
72.8%	0	12,198	12,198	
74.1%	0	11,970	11,970	
75.3%	0	11,894	11,894	
76.5%	0	11,808	11,808	
77.8%	0	11,496	11,496	
79.0%	0	11,341	11,341	
80.2%	0	11,297	11,297	
81.5%	0	11,206	11,206	
82.7%	0	11,048	11,048	
84.0%	0	11,015	11,015	
85.2%	0	10,855	10,855	
86.4%	0	10,594	10,594	
87.7%	0	10,429	10,429	
88.9%	0	10,381	10,381	
90.1%	0	10,010	10,010	
91.4%	0	9,804	9,804	
92.6%	0	9,247	9,247	
93.8%	0	8,528	8,528	
95.1%	0	8,482	8,482	
96.3%	0	8,099	8,099	
97.5%	0	7,608	7,608	
98.8%	0	6,585	6,585	
100.0%	0	5,426	5,426	

Percent Exceedance Probability (%)	May			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137		



Table OP-11-b  
Sites Reservoir, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.8%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,097	14,097	
24.7%	0	14,018	14,018	
25.9%	0	13,949	13,949	
27.2%	0	13,900	13,900	
28.4%	0	13,799	13,799	
29.6%	0	13,740	13,740	
30.9%	0	13,692	13,692	
32.1%	0	13,690	13,690	
33.3%	0	13,601	13,601	
34.6%	0	13,584	13,584	
35.8%	0	13,574	13,574	
37.0%	0	13,566	13,566	
38.3%	0	13,516	13,516	
39.5%	0	13,492	13,492	
40.7%	0	13,410	13,410	
42.0%	0	13,401	13,401	
43.2%	0	13,375	13,375	
44.4%	0	13,373	13,373	
45.7%	0	13,367	13,367	
46.9%	0	13,362	13,362	
48.1%	0	13,353	13,353	
49.4%	0	13,336	13,336	
50.6%	0	13,335	13,335	
51.9%	0	13,315	13,315	
53.1%	0	13,310	13,310	
54.3%	0	13,308	13,308	
55.6%	0	13,293	13,293	
56.8%	0	13,272	13,272	
58.0%	0	13,264	13,264	
59.3%	0	12,785	12,785	
60.5%	0	12,778	12,778	
61.7%	0	12,674	12,674	
63.0%	0	12,560	12,560	
64.2%	0	12,544	12,544	
65.4%	0	12,394	12,394	
66.7%	0	11,897	11,897	
67.9%	0	11,890	11,890	
69.1%	0	11,846	11,846	
70.4%	0	11,827	11,827	
71.6%	0	11,814	11,814	
72.8%	0	11,509	11,509	
74.1%	0	11,502	11,502	
75.3%	0	11,496	11,496	
76.5%	0	11,292	11,292	
77.8%	0	10,897	10,897	
79.0%	0	10,674	10,674	
80.2%	0	10,650	10,650	
81.5%	0	10,444	10,444	
82.7%	0	10,272	10,272	
84.0%	0	9,935	9,935	
85.2%	0	9,818	9,818	
86.4%	0	9,654	9,654	
87.7%	0	9,456	9,456	
88.9%	0	9,303	9,303	
90.1%	0	9,214	9,214	
91.4%	0	9,171	9,171	
92.6%	0	7,150	7,150	
93.8%	0	6,801	6,801	
95.1%	0	6,183	6,183	
96.3%	0	5,893	5,893	
97.5%	0	5,788	5,788	
98.8%	0	4,309	4,309	
100.0%	0	4,242	4,242	

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.8%	0	14,122	14,122	
14.8%	0	14,103	14,103	
16.0%	0	13,990	13,990	
17.3%	0	13,978	13,978	
18.5%	0	13,969	13,969	
19.8%	0	13,931	13,931	
21.0%	0	13,753	13,753	
22.2%	0	13,706	13,706	
23.5%	0	13,662	13,662	
24.7%	0	13,630	13,630	
25.9%	0	13,512	13,512	
27.2%	0	13,511	13,511	
28.4%	0	13,498	13,498	
29.6%	0	13,470	13,470	
30.9%	0	13,447	13,447	
32.1%	0	13,405	13,405	
33.3%	0	13,327	13,327	
34.6%	0	13,307	13,307	
35.8%	0	13,261	13,261	
37.0%	0	13,217	13,217	
38.3%	0	13,174	13,174	
39.5%	0	12,991	12,991	
40.7%	0	12,953	12,953	
42.0%	0	12,840	12,840	
43.2%	0	12,782	12,782	
44.4%	0	12,764	12,764	
45.7%	0	12,735	12,735	
46.9%	0	12,729	12,729	
48.1%	0	12,728	12,728	
49.4%	0	12,722	12,722	
50.6%	0	12,689	12,689	
51.9%	0	12,675	12,675	
53.1%	0	12,675	12,675	
54.3%	0	12,602	12,602	
55.6%	0	12,598	12,598	
56.8%	0	12,598	12,598	
58.0%	0	12,566	12,566	
59.3%	0	12,400	12,400	
60.5%	0	12,388	12,388	
61.7%	0	12,012	12,012	
63.0%	0	11,919	11,919	
64.2%	0	11,756	11,756	
65.4%	0	11,640	11,640	
66.7%	0	11,478	11,478	
67.9%	0	11,159	11,159	
69.1%	0	11,151	11,151	
70.4%	0	11,086	11,086	
71.6%	0	10,977	10,977	
72.8%	0	10,945	10,945	
74.1%	0	10,803	10,803	
75.3%	0	10,746	10,746	
76.5%	0	10,424	10,424	
77.8%	0	10,367	10,367	
79.0%	0	9,997	9,997	
80.2%	0	9,891	9,891	
81.5%	0	9,610	9,610	
82.7%	0	9,588	9,588	
84.0%	0	9,179	9,179	
85.2%	0	9,171	9,171	
86.4%	0	8,977	8,977	
87.7%	0	8,722	8,722	
88.9%	0	8,451	8,451	
90.1%	0	8,154	8,154	
91.4%	0	8,018	8,018	
92.6%	0	6,364	6,364	
93.8%	0	6,226	6,226	
95.1%	0	5,883	5,883	
96.3%	0	4,768	4,768	
97.5%	0	4,579	4,579	
98.8%	0	3,767	3,767	
100.0%	0	3,563	3,563	

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,028	14,028	
12.3%	0	14,006	14,006	
13.8%	0	14,004	14,004	
14.8%	0	13,978	13,978	
16.0%	0	13,894	13,894	
17.3%	0	13,876	13,876	
18.5%	0	13,859	13,859	
19.8%	0	13,854	13,854	
21.0%	0	13,729	13,729	
22.2%	0	13,702	13,702	
23.5%	0	13,690	13,690	
24.7%	0	13,651	13,651	
25.9%	0	13,499	13,499	
27.2%	0	13,424	13,424	
28.4%	0	13,365	13,365	
29.6%	0	13,299	13,299	
30.9%	0	13,252	13,252	
32.1%	0	13,186	13,186	
33.3%	0	13,056	13,056	
34.6%	0	13,053	13,053	
35.8%	0	13,006	13,006	
37.0%	0	12,998	12,998	
38.3%	0	12,966	12,966	
39.5%	0	12,706	12,706	
40.7%	0	12,678	12,678	
42.0%	0	12,361	12,361	
43.2%	0	12,352	12,352	
44.4%	0	12,250	12,250	
45.7%	0	12,219	12,219	
46.9%	0	12,211	12,211	
48.1%	0	12,206	12,206	
49.4%	0	12,172	12,172	
50.6%	0	12,170	12,170	
51.9%	0	12,152	12,152	
53.1%	0	12,115	12,115	
54.3%	0	12,081	12,081	
55.6%	0	12,078	12,078	
56.8%	0	12,052	12,052	
58.0%	0	12,003	12,003	
59.3%	0	11,979	11,979	
60.5%	0	11,920	11,920	
61.7%	0	11,876	11,876	
63.0%	0	11,251	11,251	
64.2%	0	11,163	11,163	
65.4%	0	11,053	11,053	
66.7%	0	10,954	10,954	
67.9%	0	10,771	10,771	
69.1%	0	10,527	10,527	
70.4%	0	10,297	10,297	
71.6%	0	10,212	10,212	
72.8%	0	10,202	10,202	
74.1%	0	10,149	10,149	
75.3%	0	10,127	10,127	
76.5%	0	9,650	9,650	
77.8%	0	9,623	9,623	
79.0%	0	9,301	9,301	
80.2%	0	9,273	9,273	
81.5%	0	8,696	8,696	
82.7%	0	8,548	8,548	
84.0%	0	8,433	8,433	
85.2%	0	8,349	8,349	
86.4%	0	8,101	8,101	
87.7%	0	7,435	7,435	
88.9%	0	7,334	7,334	
90.1%	0	7,226	7,226	
91.4%	0	6,748	6,748	
92.6%	0	5,634	5,634	
93.8%	0	5,546	5,546	
95.1%	0	5,211	5,211	
96.3%	0	4,286	4,286	
97.5%	0	3,704	3,704	
98.8%	0	3,534	3,534	
100.0%	0	3,519	3,519	

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	13,934	13,934	
4.9%	0	13,852	13,852	
6.2%	0	13,838	13,838	
7.4%	0	13,832	13,832	
8.6%	0	13,810	13,810	
9.9%	0	13,795	13,795	
11.1%	0	13,778	13,778	
12.3%	0	13,773	13,773	
13.8%	0	13,746	13,7	

**Trinity and Sacramento River Basin Operations**  
Summary Tables, Bar Charts, Exceedance  
Probability Charts and Tables

---

Table SW-01-a  
Trinity Lake, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	1,336	1,345	1,396	1,459	1,569	1,693	1,842	1,835	1,798	1,660	1,522	1,401
DCR 2015 With Project	1,336	1,347	1,401	1,465	1,573	1,699	1,850	1,845	1,809	1,668	1,522	1,397
Difference	0	2	5	7	4	7	9	10	11	8	0	-4
Percent Difference <sup>2</sup>	0.0%	0.1%	0.3%	0.5%	0.2%	0.4%	0.5%	0.6%	0.6%	0.5%	0.0%	-0.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,737	1,743	1,760	1,763	1,925	2,062	2,239	2,273	2,250	2,120	1,999	1,844
DCR 2015 With Project	1,721	1,726	1,750	1,759	1,914	2,060	2,239	2,273	2,249	2,116	1,984	1,828
Difference	-16	-16	-10	-4	-12	-3	0	0	-1	-4	-15	-16
Percent Difference	-0.9%	-0.9%	-0.6%	-0.2%	-0.6%	-0.1%	0.0%	0.0%	0.0%	-0.2%	-0.7%	-0.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,572	1,563	1,589	1,559	1,712	1,882	2,052	2,057	2,029	1,909	1,770	1,633
DCR 2015 With Project	1,576	1,572	1,603	1,590	1,743	1,915	2,086	2,091	2,056	1,936	1,770	1,628
Difference	4	9	14	31	31	33	34	34	27	27	0	-4
Percent Difference	0.3%	0.6%	0.9%	2.0%	1.8%	1.8%	1.6%	1.6%	1.3%	1.4%	0.0%	-0.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	1,241	1,273	1,356	1,360	1,434	1,530	1,704	1,687	1,646	1,511	1,370	1,267
DCR 2015 With Project	1,250	1,287	1,371	1,370	1,444	1,539	1,717	1,700	1,661	1,529	1,394	1,275
Difference	9	14	15	11	10	9	13	13	15	18	24	8
Percent Difference	0.7%	1.1%	1.1%	0.8%	0.7%	0.6%	0.8%	0.8%	0.9%	1.2%	1.8%	0.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,102	1,114	1,221	1,349	1,430	1,560	1,697	1,646	1,579	1,414	1,257	1,150
DCR 2015 With Project	1,098	1,113	1,222	1,353	1,432	1,561	1,698	1,649	1,591	1,418	1,257	1,146
Difference	-4	0	1	4	3	1	2	3	12	3	0	-4
Percent Difference	-0.4%	0.0%	0.1%	0.3%	0.2%	0.1%	0.1%	0.2%	0.8%	0.2%	0.0%	-0.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	691	697	725	980	1,021	1,091	1,149	1,119	1,091	957	814	741
DCR 2015 With Project	721	721	747	985	1,025	1,096	1,158	1,135	1,105	967	817	749
Difference	31	24	22	5	4	5	9	16	14	10	2	8
Percent Difference	4.5%	3.4%	3.1%	0.5%	0.4%	0.5%	0.8%	1.4%	1.3%	1.0%	0.3%	1.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-01-b  
Trinity Lake, End of Month Storage  
Probability of Exceedance

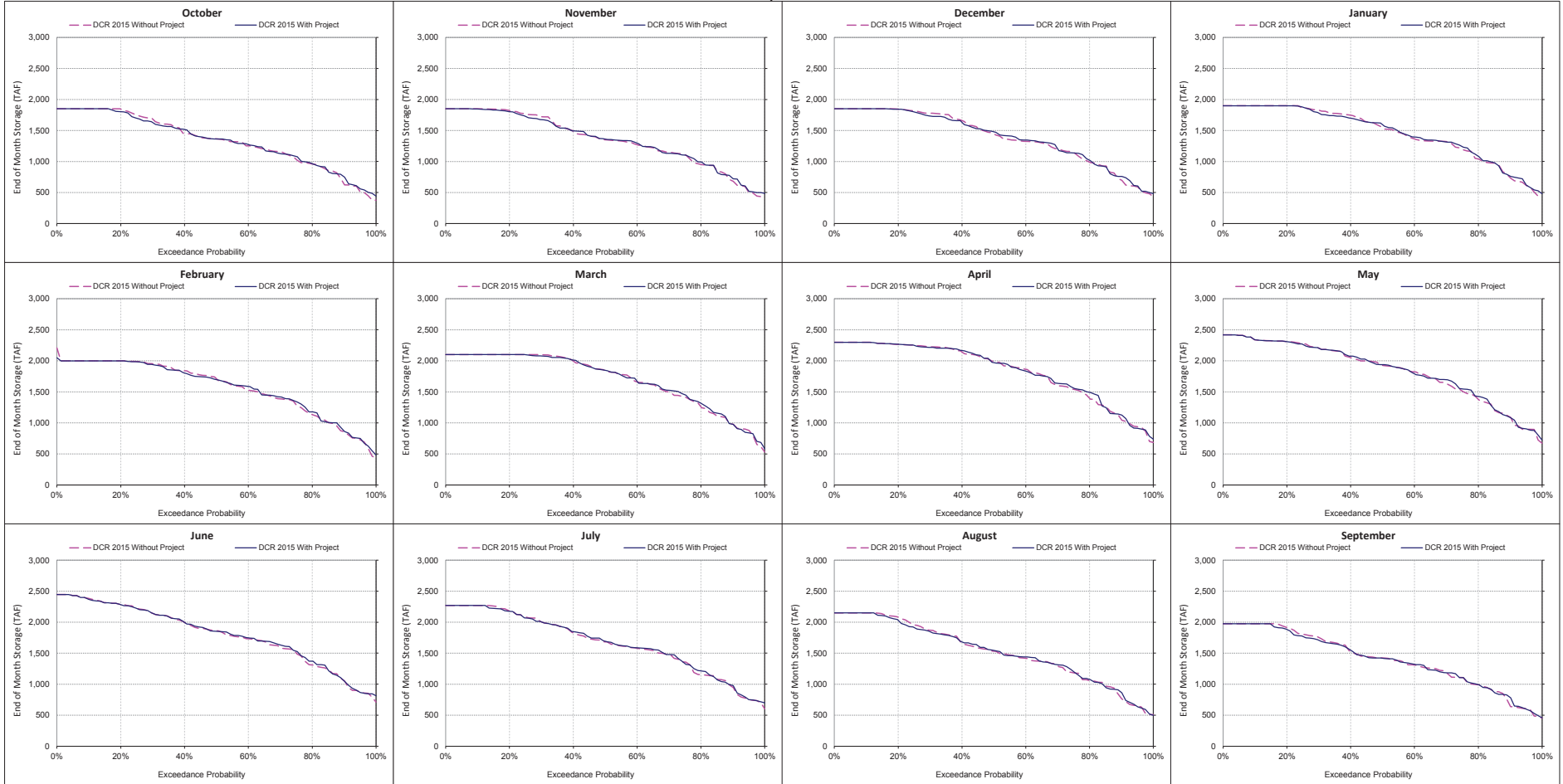


Table SW-01-b  
Trinity Lake, End of Month Storage  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,850	1,850	0	0.0%	
1.2%	1,850	1,850	0	0.0%	
2.5%	1,850	1,850	0	0.0%	
3.7%	1,850	1,850	0	0.0%	
4.9%	1,850	1,850	0	0.0%	
6.2%	1,850	1,850	0	0.0%	
7.4%	1,850	1,850	0	0.0%	
8.6%	1,850	1,850	0	0.0%	
9.9%	1,850	1,845	-5	-0.3%	
11.1%	1,850	1,850	0	0.0%	
12.3%	1,850	1,850	0	0.0%	
13.6%	1,850	1,850	0	0.0%	
14.8%	1,850	1,850	0	0.0%	
16.0%	1,850	1,850	0	0.0%	
17.3%	1,850	1,831	-19	-1.0%	
18.5%	1,850	1,809	-41	-2.2%	
19.8%	1,850	1,804	-46	-2.5%	
21.0%	1,822	1,801	-21	-1.2%	
22.2%	1,810	1,781	-29	-1.6%	
23.5%	1,781	1,724	-57	-3.2%	
24.7%	1,755	1,703	-53	-3.0%	
25.9%	1,732	1,684	-48	-2.8%	
27.2%	1,714	1,656	-59	-3.4%	
28.4%	1,704	1,652	-51	-3.0%	
29.6%	1,703	1,643	-60	-3.5%	
30.9%	1,642	1,599	-43	-2.6%	
32.1%	1,619	1,588	-31	-1.9%	
33.3%	1,605	1,572	-32	-2.0%	
34.6%	1,603	1,567	-36	-2.3%	
35.8%	1,594	1,564	-30	-1.9%	
37.0%	1,547	1,540	-7	-0.5%	
38.3%	1,545	1,527	-18	-1.2%	
39.5%	1,457	1,522	65	4.5%	
40.7%	1,446	1,511	65	4.5%	
42.0%	1,446	1,445	-2	-0.1%	
43.2%	1,423	1,415	-7	-0.5%	
44.4%	1,400	1,400	0	0.0%	
45.7%	1,382	1,394	12	0.8%	
46.9%	1,377	1,376	-1	-0.1%	
48.1%	1,368	1,368	-1	0.0%	
49.4%	1,368	1,364	-4	-0.3%	
50.6%	1,361	1,363	1	0.1%	
51.9%	1,353	1,363	9	0.7%	
53.1%	1,342	1,351	9	0.7%	
54.3%	1,322	1,346	24	1.8%	
55.6%	1,318	1,308	-10	-0.8%	
56.8%	1,319	1,291	-29	-2.2%	
58.0%	1,312	1,290	-22	-1.7%	
59.3%	1,253	1,287	33	2.6%	
60.5%	1,253	1,266	13	1.0%	
61.7%	1,241	1,255	13	1.1%	
63.0%	1,225	1,240	14	1.2%	
64.2%	1,207	1,233	26	2.1%	
65.4%	1,206	1,171	-35	-2.9%	
66.7%	1,179	1,164	-15	-1.3%	
67.9%	1,166	1,158	-8	-0.7%	
69.1%	1,161	1,137	-24	-2.1%	
70.4%	1,156	1,122	-33	-2.9%	
71.6%	1,126	1,120	-6	-0.5%	
72.8%	1,098	1,109	11	1.0%	
74.1%	1,076	1,093	17	1.6%	
75.3%	1,020	1,076	56	5.4%	
76.5%	981	1,005	24	2.4%	
77.8%	981	994	13	1.3%	
79.0%	971	985	14	1.5%	
80.2%	959	960	1	0.1%	
81.5%	951	938	-13	-1.4%	
82.7%	916	918	2	0.2%	
84.0%	896	916	20	2.2%	
85.2%	851	828	-23	-2.7%	
86.4%	847	805	-41	-4.9%	
87.7%	818	803	-15	-1.8%	
88.9%	729	793	65	8.9%	
90.1%	623	746	123	20.1%	
91.4%	642	642	0	0.0%	
92.6%	604	627	23	3.8%	
93.8%	604	610	6	1.0%	
95.1%	507	560	52	10.3%	
96.3%	500	541	41	8.2%	
97.5%	447	502	54	12.1%	
98.8%	377	484	107	28.3%	
100.0%	376	445	68	18.2%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,850	1,850	0	0.0%	
1.2%	1,850	1,850	0	0.0%	
2.5%	1,850	1,850	0	0.0%	
3.7%	1,850	1,850	0	0.0%	
4.9%	1,850	1,850	0	0.0%	
6.2%	1,850	1,850	0	0.0%	
7.4%	1,850	1,850	0	0.0%	
8.6%	1,850	1,845	-5	-0.3%	
9.9%	1,850	1,845	-5	-0.3%	
11.1%	1,850	1,843	-7	-0.4%	
12.3%	1,850	1,840	-10	-0.5%	
13.6%	1,845	1,837	-8	-0.5%	
14.8%	1,845	1,832	-13	-0.7%	
16.0%	1,843	1,830	-13	-0.7%	
17.3%	1,840	1,821	-19	-1.0%	
18.5%	1,837	1,816	-21	-1.1%	
19.8%	1,826	1,806	-20	-1.1%	
21.0%	1,807	1,799	-8	-0.4%	
22.2%	1,805	1,778	-29	-1.6%	
23.5%	1,778	1,754	-24	-1.3%	
24.7%	1,774	1,735	-38	-2.2%	
25.9%	1,757	1,707	-51	-2.9%	
27.2%	1,754	1,697	-57	-3.2%	
28.4%	1,753	1,693	-59	-3.4%	
29.6%	1,723	1,677	-47	-2.7%	
30.9%	1,671	1,671	0	-2.9%	
32.1%	1,719	1,658	-61	-3.6%	
33.3%	1,655	1,624	-31	-1.9%	
34.6%	1,577	1,568	-9	-0.6%	
35.8%	1,573	1,541	-32	-2.0%	
37.0%	1,502	1,539	37	2.5%	
38.3%	1,522	1,532	10	0.6%	
39.5%	1,505	1,497	-8	-0.5%	
40.7%	1,450	1,493	43	3.0%	
42.0%	1,440	1,487	47	3.2%	
43.2%	1,436	1,463	27	1.9%	
44.4%	1,428	1,424	-4	-0.3%	
45.7%	1,407	1,407	0	0.0%	
46.9%	1,398	1,406	8	0.6%	
48.1%	1,369	1,371	2	0.2%	
49.4%	1,352	1,369	17	1.3%	
50.6%	1,349	1,354	5	0.4%	
51.9%	1,343	1,354	11	0.8%	
53.1%	1,337	1,346	9	0.7%	
54.3%	1,335	1,344	9	0.7%	
55.6%	1,328	1,339	11	0.8%	
56.8%	1,315	1,337	22	1.7%	
58.0%	1,310	1,332	22	1.7%	
59.3%	1,282	1,313	31	2.4%	
60.5%	1,262	1,285	23	1.8%	
61.7%	1,260	1,243	-17	-1.3%	
63.0%	1,237	1,239	2	0.2%	
64.2%	1,228	1,238	10	0.8%	
65.4%	1,219	1,226	7	0.6%	
66.7%	1,171	1,194	23	1.9%	
67.9%	1,170	1,147	-23	-1.9%	
69.1%	1,153	1,132	-21	-1.8%	
70.4%	1,151	1,131	-20	-1.8%	
71.6%	1,137	1,127	-10	-0.8%	
72.8%	1,129	1,123	-6	-0.5%	
74.1%	1,127	1,107	-20	-1.7%	
75.3%	1,103	1,103	0	0.0%	
76.5%	1,041	1,071	30	2.8%	
77.8%	981	1,047	66	6.7%	
79.0%	965	994	29	3.0%	
80.2%	951	989	38	4.0%	
81.5%	944	944	0	0.1%	
82.7%	937	939	2	0.2%	
84.0%	935	938	3	0.3%	
85.2%	837	914	77	9.2%	
86.4%	831	790	-41	-5.0%	
87.7%	801	786	-15	-1.8%	
88.9%	712	777	65	9.1%	
90.1%	621	720	99	16.1%	
91.4%	616	618	2	0.3%	
92.6%	614	618	4	0.7%	
93.8%	595	605	9	1.6%	
95.1%	498	519	21	4.3%	
96.3%	492	510	18	3.6%	
97.5%	443	500	57	12.9%	
98.8%	435	488	53	14.9%	
100.0%	403	488	84	20.9%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	1,850	1,850	0	0.0%	
1.2%	1,850	1,850	0	0.0%	
2.5%	1,850	1,850	0	0.0%	
3.7%	1,850	1,850	0	0.0%	
4.9%	1,850	1,850	0	0.0%	
6.2%	1,850	1,850	0	0.0%	
7.4%	1,850	1,850	0	0.0%	
8.6%	1,850	1,850	0	0.0%	
9.9%	1,850	1,850	0	0.0%	
11.1%	1,850	1,850	0	0.0%	
12.3%	1,850	1,850	0	0.0%	
13.6%	1,850	1,850	0	0.0%	
14.8%	1,850	1,850	0	0.0%	
16.0%	1,850	1,850	0	0.0%	
17.3%	1,850	1,846	-4	-0.2%	
18.5%	1,850	1,845	-5	-0.3%	
19.8%	1,847	1,841	-6	-0.3%	
21.0%	1,836	1,841	5	0.3%	
22.2%	1,835	1,830	-5	-0.3%	
23.5%	1,823	1,815	-8	-0.4%	
24.7%	1,818	1,806	-12	-0.7%	
25.9%	1,809	1,789	-20	-1.1%	
27.2%	1,794	1,769	-25	-1.4%	
28.4%	1,780	1,751	-30	-1.7%	
29.6%	1,779	1,737	-43	-2.4%	
30.9%	1,779	1,728	-51	-2.9%	
32.1%	1,774	1,728	-46	-2.6%	
33.3%	1,767	1,727	-40	-2.3%	
34.6%	1,759	1,713	-46	-2.6%	
35.8%	1,755	1,679	-76	-4.3%	
37.0%	1,702	1,664	-38	-2.1%	
38.3%	1,685	1,660	-25	-1.5%	
39.5%	1,671	1,659	-12	-0.7%	
40.7%	1,645	1,693	52	3.1%	
42.0%	1,622	1,674	52	3.2%	
43.2%	1,579	1,650	71	4.5%	
44.4%	1,561	1,529	-32	-2.1%	
45.7%	1,511	1,526	15	1.0%	
46.9%	1,496	1,504	9	0.6%	
48.1%	1,473	1,495	22	1.5%	
49.4%	1,465	1,489	24	1.6%	
50.6%	1,427	1,471	44	3.1%	
51.9%	1,409	1,427	18	1.3%	
53.1%	1,361	1,418	57	4.2%	
54.3%	1,359	1,415	55	4.1%	
55.6%	1,348	1,409	61	4.5%	
56.8%	1,345	1,392	48	3.5%	
58.0%	1,335	1,352	17	1.3%	
59.3%	1,327	1,347	20	1.5%	
60.5%	1,325	1,346	21	1.6%	
61.7%	1,321	1,336	15	1.1%	
63.0%	1,319	1,334	16	1.2%	
64.2%	1,309	1,315	6	0.5%	
65.4%	1,295	1,312	17	1.3%	
66.7%	1,286	1,304	17	1.3%	
67.9%	1,237	1,294	57	4.6%	
69.1%	1,209	1,272	64	5.3%	
70.4%	1,189	1,176	-13	-1.1%	
71.6%	1,177	1,162	-15	-1.3%	
72.8%	1,164	1,140	-24	-2.1%	
74.1%	1,162	1,140	-22	-1.9%	
75.3%	1,136	1,138	2	0.2%	
76.5%	1,086	1,130	45	4.1%	
77.8%	1,039	1,110	70	6.8%	
79.0%	1,014	1,			

Table SW-01-b  
Trinity Lake, End of Month Storage  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,208	2,050	-158	-7.2%	
1.2%	2,000	2,000	0	0.0%	
2.5%	2,000	2,000	0	0.0%	
3.7%	2,000	2,000	0	0.0%	
4.9%	2,000	2,000	0	0.0%	
6.2%	2,000	2,000	0	0.0%	
7.4%	2,000	2,000	0	0.0%	
8.6%	2,000	2,000	0	0.0%	
9.9%	2,000	2,000	0	0.0%	
11.1%	2,000	2,000	0	0.0%	
12.3%	2,000	2,000	0	0.0%	
13.6%	2,000	2,000	0	0.0%	
14.8%	2,000	2,000	0	0.0%	
16.0%	2,000	2,000	0	0.0%	
17.3%	2,000	2,000	0	0.0%	
18.5%	2,000	2,000	0	0.0%	
19.8%	2,000	2,000	0	0.0%	
21.0%	2,000	2,000	0	0.0%	
22.2%	1,993	1,991	-2	-0.1%	
23.5%	1,992	1,988	-4	-0.2%	
24.7%	1,991	1,985	-6	-0.3%	
25.9%	1,988	1,980	-8	-0.4%	
27.2%	1,985	1,972	-13	-0.7%	
28.4%	1,987	1,942	-45	-2.3%	
29.6%	1,986	1,942	-44	-2.2%	
30.9%	1,949	1,929	-20	-1.0%	
32.1%	1,944	1,922	-22	-1.2%	
33.3%	1,914	1,906	-8	-0.4%	
34.6%	1,910	1,857	-53	-2.8%	
35.8%	1,889	1,865	-24	-1.3%	
37.0%	1,849	1,850	1	0.1%	
38.3%	1,842	1,848	6	0.3%	
39.5%	1,841	1,809	-32	-1.8%	
40.7%	1,837	1,795	-42	-2.3%	
42.0%	1,802	1,769	-33	-1.8%	
43.2%	1,797	1,752	-45	-2.5%	
44.4%	1,778	1,747	-31	-1.8%	
45.7%	1,766	1,743	-22	-1.3%	
46.9%	1,764	1,740	-24	-1.4%	
48.1%	1,750	1,728	-22	-1.4%	
49.4%	1,740	1,703	-37	-2.1%	
50.6%	1,679	1,690	11	0.6%	
51.9%	1,675	1,674	-1	-0.1%	
53.1%	1,661	1,651	-10	-0.6%	
54.3%	1,619	1,635	16	1.0%	
55.6%	1,596	1,610	14	0.9%	
56.8%	1,593	1,603	10	0.6%	
58.0%	1,583	1,600	17	1.1%	
59.3%	1,530	1,590	60	3.9%	
60.5%	1,522	1,583	61	4.0%	
61.7%	1,514	1,543	29	1.9%	
63.0%	1,499	1,539	40	2.7%	
64.2%	1,474	1,452	-22	-1.5%	
65.4%	1,454	1,448	-6	-0.4%	
66.7%	1,434	1,448	14	0.9%	
67.9%	1,410	1,436	26	1.8%	
69.1%	1,391	1,419	29	2.1%	
70.4%	1,386	1,418	32	2.3%	
71.6%	1,375	1,391	15	1.1%	
72.8%	1,375	1,389	14	1.0%	
74.1%	1,351	1,360	9	0.6%	
75.3%	1,270	1,337	67	5.3%	
76.5%	1,245	1,299	54	4.3%	
77.8%	1,194	1,254	60	5.0%	
79.0%	1,154	1,179	24	2.1%	
80.2%	1,129	1,177	48	4.2%	
81.5%	1,108	1,158	50	4.5%	
82.7%	1,062	1,029	-32	-3.0%	
84.0%	1,044	1,018	-26	-2.5%	
85.2%	1,002	1,004	2	0.2%	
86.4%	991	1,003	11	1.1%	
87.7%	951	1,002	52	5.4%	
88.9%	873	930	57	6.6%	
90.1%	855	861	6	0.7%	
91.4%	805	833	27	3.4%	
92.6%	756	764	8	1.0%	
93.8%	753	757	4	0.6%	
95.1%	727	750	24	3.3%	
96.3%	692	771	79	11.3%	
97.5%	691	824	134	19.4%	
98.8%	464	549	86	18.4%	
100.0%	429	482	53	12.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,100	2,100	0	0.0%	
1.2%	2,100	2,100	0	0.0%	
2.5%	2,100	2,100	0	0.0%	
3.7%	2,100	2,100	0	0.0%	
4.9%	2,100	2,100	0	0.0%	
6.2%	2,100	2,100	0	0.0%	
7.4%	2,100	2,100	0	0.0%	
8.6%	2,100	2,100	0	0.0%	
9.9%	2,100	2,100	0	0.0%	
11.1%	2,100	2,100	0	0.0%	
12.3%	2,100	2,100	0	0.0%	
13.6%	2,100	2,100	0	0.0%	
14.8%	2,100	2,100	0	0.0%	
16.0%	2,100	2,100	0	0.0%	
17.3%	2,100	2,100	0	0.0%	
18.5%	2,100	2,100	0	0.0%	
19.8%	2,100	2,100	0	0.0%	
21.0%	2,100	2,100	0	0.0%	
22.2%	2,100	2,100	0	0.0%	
23.5%	2,100	2,100	0	0.0%	
24.7%	2,100	2,100	0	0.0%	
25.9%	2,100	2,095	-5	-0.2%	
27.2%	2,100	2,084	-16	-0.8%	
28.4%	2,100	2,079	-21	-1.0%	
29.6%	2,100	2,078	-22	-1.0%	
30.9%	2,096	2,072	-24	-1.1%	
32.1%	2,094	2,072	-22	-1.0%	
33.3%	2,079	2,055	-24	-1.2%	
34.6%	2,076	2,054	-22	-1.1%	
35.8%	2,067	2,053	-13	-0.6%	
37.0%	2,054	2,044	-10	-0.5%	
38.3%	2,044	2,036	-8	-0.4%	
39.5%	2,016	2,017	1	0.0%	
40.7%	1,967	2,005	38	1.9%	
42.0%	1,957	1,975	18	0.9%	
43.2%	1,932	1,933	1	0.1%	
44.4%	1,934	1,912	-22	-1.1%	
45.7%	1,905	1,898	-7	-0.4%	
46.9%	1,871	1,870	-1	-0.1%	
48.1%	1,867	1,861	-6	-0.3%	
49.4%	1,859	1,851	-8	-0.4%	
50.6%	1,826	1,838	12	0.7%	
51.9%	1,816	1,817	1	0.0%	
53.1%	1,815	1,813	-2	-0.1%	
54.3%	1,779	1,787	8	0.4%	
55.6%	1,777	1,754	-23	-1.3%	
56.8%	1,771	1,725	-45	-2.6%	
58.0%	1,728	1,723	-5	-0.3%	
59.3%	1,672	1,722	50	3.0%	
60.5%	1,652	1,638	-15	-0.9%	
61.7%	1,650	1,637	-14	-0.8%	
63.0%	1,643	1,635	-8	-0.5%	
64.2%	1,620	1,627	7	0.4%	
65.4%	1,612	1,621	9	0.6%	
66.7%	1,558	1,602	45	2.9%	
67.9%	1,533	1,546	13	0.9%	
69.1%	1,505	1,527	22	1.4%	
70.4%	1,497	1,522	26	1.7%	
71.6%	1,445	1,517	72	5.0%	
72.8%	1,443	1,507	64	4.5%	
74.1%	1,428	1,472	44	3.1%	
75.3%	1,413	1,445	32	2.3%	
76.5%	1,376	1,379	3	0.2%	
77.8%	1,343	1,362	19	1.4%	
79.0%	1,326	1,345	19	1.4%	
80.2%	1,245	1,308	64	5.1%	
81.5%	1,232	1,272	41	3.3%	
82.7%	1,170	1,230	60	5.1%	
84.0%	1,150	1,169	19	1.7%	
85.2%	1,102	1,155	53	4.8%	
86.4%	1,100	1,144	44	4.0%	
87.7%	1,086	1,106	20	1.9%	
88.9%	989	988	-1	-0.1%	
90.1%	977	976	-1	0.0%	
91.4%	913	910	-3	-0.4%	
92.6%	905	894	-10	-1.1%	
93.8%	899	849	-50	-5.5%	
95.1%	878	837	-41	-4.7%	
96.3%	828	828	0	0.0%	
97.5%	652	702	50	7.7%	
98.8%	617	686	69	11.2%	
100.0%	531	584	53	10.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	2,300	2,300	0	0.0%	
1.2%	2,300	2,300	0	0.0%	
2.5%	2,300	2,300	0	0.0%	
3.7%	2,300	2,300	0	0.0%	
4.9%	2,300	2,300	0	0.0%	
6.2%	2,300	2,300	0	0.0%	
7.4%	2,300	2,300	0	0.0%	
8.6%	2,300	2,300	0	0.0%	
9.9%	2,300	2,300	0	0.0%	
11.1%	2,300	2,300	0	0.0%	
12.3%	2,293	2,293	0	0.0%	
13.6%	2,283	2,283	0	0.0%	
14.8%	2,283	2,283	0	0.0%	
16.0%	2,278	2,278	0	0.0%	
17.3%	2,276	2,276	0	0.0%	
18.5%	2,269	2,272	3	0.1%	
19.8%	2,262	2,269	7	0.3%	
21.0%	2,262	2,266	4	0.2%	
22.2%	2,259	2,259	0	0.0%	
23.5%	2,257	2,257	0	0.0%	
24.7%	2,254	2,255	1	0.0%	
25.9%	2,243	2,234	-9	-0.4%	
27.2%	2,242	2,225	-17	-0.8%	
28.4%	2,234	2,220	-14	-0.6%	
29.6%	2,226	2,218	-8	-0.4%	
30.9%	2,225	2,218	-7	-0.3%	
32.1%	2,225	2,205	-19	-0.9%	
33.3%	2,218	2,205	-13	-0.6%	
34.6%	2,218	2,204	-14	-0.6%	
35.8%	2,202	2,205	3	0.1%	
37.0%	2,191	2,195	4	0.2%	
38.3%	2,165	2,191	26	1.2%	
39.5%	2,161	2,169	8	0.4%	
40.7%	2,117	2,161	45	2.1%	
42.0%	2,102	2,138	36	1.7%	
43.2%	2,102	2,123	21	1.0%	
44.4%	2,093	2,096	3	0.1%	
45.7%	2,067	2,089	22	1.1%	
46.9%	2,043	2,041	-2	-0.1%	
48.1%	2,032	2,040	7	0.4%	
49.4%	1,998	1,978	-20	-1.0%	
50.6%	1,985	1,964	-21	-1.1%	
51.9%	1,973	1,961	-12	-0.6%	
53.1%	1,918	1,960	41	2.2%	
54.3%	1,917	1,944	26	1.4%	
55.6%	1,910	1,895	-16	-0.8%	
56.8%	1,890	1,891	1	0.1%	
58.0%	1,888	1,861	-27	-1.4%	
59.3%	1,871	1,843	-28	-1.5%	
60.5%	1,859	1,827	-32	-1.7%	
61.7%	1,810	1,803	-6	-0.3%	
63.0%	1,808	1,769	-39	-2.2%	
64.2%	1,790	1,768	-22	-1.2%	
65.4%	1,764	1,756	-8	-0.5%	
66.7%	1,759	1,748	-11	-0.6%	
67.9%	1,651	1,718	67	4.1%	
69.1%	1,619	1,641	23	1.4%	
70.4%	1,597	1,633	36	2.3%	
71.6%	1,593	1,632	40	2.5%	
72.8%	1,583	1,626	43	2.7%	
74.1%	1,549	1,582	34	2.2%	
75.3%	1,539	1,553	13	0.9%	
76.5%	1,523	1,541	19	1.2%	
77.8%	1,488	1,534			

Table SW-01-b  
Trinity Lake, End of Month Storage  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,430	-1	0.0%
6.2%	2,430	2,429	-1	0.0%
7.4%	2,401	2,399	-2	-0.1%
8.6%	2,397	2,397	0	0.0%
9.9%	2,384	2,367	-17	-0.7%
11.1%	2,367	2,354	-14	-0.6%
12.3%	2,354	2,342	-12	-0.5%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,315	0	0.0%
16.0%	2,315	2,314	-1	0.0%
17.3%	2,306	2,306	0	0.0%
18.5%	2,304	2,304	0	0.0%
19.8%	2,285	2,288	2	0.1%
21.0%	2,284	2,265	-19	-0.9%
22.2%	2,265	2,264	-1	0.0%
23.5%	2,264	2,248	-17	-0.7%
24.7%	2,226	2,226	0	0.0%
25.9%	2,211	2,204	-8	-0.4%
27.2%	2,204	2,196	-8	-0.4%
28.4%	2,187	2,187	0	0.0%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,073	2,066	-6	-0.3%
37.0%	2,043	2,055	12	0.6%
38.3%	2,036	2,053	17	0.8%
39.5%	2,013	2,016	3	0.1%
40.7%	1,971	1,971	0	0.0%
42.0%	1,948	1,948	0	0.0%
43.2%	1,917	1,935	18	0.9%
44.4%	1,900	1,922	22	1.1%
45.7%	1,900	1,917	17	0.9%
46.9%	1,888	1,890	2	0.1%
48.1%	1,873	1,859	-14	-0.7%
49.4%	1,864	1,854	-10	-0.5%
50.6%	1,861	1,852	-9	-0.5%
51.9%	1,834	1,845	11	0.6%
53.1%	1,795	1,844	49	2.7%
54.3%	1,787	1,807	20	1.1%
55.6%	1,772	1,798	17	0.9%
56.8%	1,754	1,795	20	1.2%
58.0%	1,759	1,772	13	0.7%
59.3%	1,734	1,753	19	1.1%
60.5%	1,731	1,743	12	0.7%
61.7%	1,722	1,738	16	0.9%
63.0%	1,710	1,698	-12	-0.7%
64.2%	1,703	1,698	-5	-0.3%
65.4%	1,680	1,694	14	0.8%
66.7%	1,636	1,688	52	3.2%
67.9%	1,629	1,666	37	2.3%
69.1%	1,623	1,646	23	1.4%
70.4%	1,581	1,629	48	3.0%
71.6%	1,572	1,612	40	2.6%
72.8%	1,567	1,609	41	2.6%
74.1%	1,556	1,547	-9	-0.6%
75.3%	1,486	1,527	40	2.7%
76.5%	1,456	1,456	0	0.0%
77.8%	1,368	1,431	62	4.6%
79.0%	1,315	1,372	57	4.3%
80.2%	1,308	1,371	63	4.8%
81.5%	1,287	1,317	31	2.4%
82.7%	1,273	1,316	43	3.4%
84.0%	1,263	1,308	46	3.6%
85.2%	1,233	1,218	-15	-1.2%
86.4%	1,173	1,165	-8	-0.6%
87.7%	1,170	1,143	-27	-2.3%
88.9%	1,098	1,108	10	0.9%
90.1%	1,051	1,044	-6	-0.6%
91.4%	944	984	40	4.2%
92.6%	900	934	33	3.7%
93.8%	900	903	3	0.3%
95.1%	870	865	-6	-0.7%
96.3%	857	852	-6	-0.7%
97.5%	845	845	0	0.0%
98.8%	791	843	52	6.6%
100.0%	712	815	104	14.6%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,270	2,269	-1	-0.1%
13.6%	2,268	2,226	-42	-1.9%
14.8%	2,262	2,224	-38	-1.7%
16.0%	2,255	2,220	-35	-1.5%
17.3%	2,220	2,216	-4	-0.2%
18.5%	2,216	2,187	-29	-1.3%
19.8%	2,187	2,176	-11	-0.5%
21.0%	2,176	2,170	-6	-0.3%
22.2%	2,125	2,125	0	0.0%
23.5%	2,119	2,119	0	0.0%
24.7%	2,090	2,071	-19	-0.9%
25.9%	2,071	2,067	-4	-0.2%
27.2%	2,067	2,052	-16	-0.8%
28.4%	2,067	2,013	-54	-2.6%
29.6%	2,014	2,012	-1	-0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,956	0	0.0%
35.8%	1,931	1,933	1	0.1%
37.0%	1,925	1,920	-5	-0.2%
38.3%	1,891	1,904	13	0.7%
39.5%	1,839	1,849	10	0.6%
40.7%	1,809	1,842	33	1.8%
42.0%	1,791	1,830	39	2.2%
43.2%	1,777	1,821	43	2.4%
44.4%	1,742	1,772	30	1.7%
45.7%	1,726	1,743	17	1.0%
46.9%	1,716	1,742	27	1.6%
48.1%	1,712	1,742	30	1.7%
49.4%	1,685	1,700	15	0.9%
50.6%	1,681	1,682	1	0.1%
51.9%	1,646	1,676	31	1.9%
53.1%	1,641	1,646	6	0.3%
54.3%	1,622	1,626	4	0.3%
55.6%	1,613	1,621	8	0.5%
56.8%	1,611	1,614	3	0.2%
58.0%	1,589	1,595	6	0.4%
59.3%	1,587	1,592	4	0.3%
60.5%	1,576	1,584	8	0.5%
61.7%	1,565	1,579	14	0.9%
63.0%	1,561	1,576	17	1.1%
64.2%	1,551	1,572	21	1.4%
65.4%	1,541	1,558	16	1.1%
66.7%	1,503	1,553	50	3.4%
67.9%	1,498	1,513	15	1.0%
69.1%	1,484	1,480	-5	-0.3%
70.4%	1,481	1,477	-4	-0.3%
71.6%	1,417	1,474	57	4.0%
72.8%	1,403	1,417	14	1.0%
74.1%	1,361	1,371	9	0.7%
75.3%	1,357	1,322	-35	-2.6%
76.5%	1,313	1,313	0	0.0%
77.8%	1,190	1,252	62	5.2%
79.0%	1,158	1,222	64	5.5%
80.2%	1,151	1,211	60	5.2%
81.5%	1,147	1,204	56	4.9%
82.7%	1,138	1,150	12	1.0%
84.0%	1,138	1,123	-15	-1.3%
85.2%	1,077	1,066	-12	-1.1%
86.4%	1,073	1,043	-30	-2.8%
87.7%	1,058	1,035	-23	-2.2%
88.9%	988	995	7	0.8%
90.1%	977	977	0	0.0%
91.4%	835	860	24	2.9%
92.6%	793	826	33	4.2%
93.8%	776	795	18	2.3%
95.1%	753	751	-1	-0.2%
96.3%	740	748	7	1.0%
97.5%	737	734	-3	-0.4%
98.8%	699	717	18	2.6%
100.0%	604	700	96	15.9%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,112	-35	-1.6%
14.8%	2,138	2,109	-30	-1.4%
16.0%	2,112	2,098	-13	-0.6%
17.3%	2,103	2,074	-29	-1.4%
18.5%	2,098	2,054	-44	-2.1%
19.8%	2,086	2,044	-42	-2.0%
21.0%	2,065	1,979	-77	-3.7%
22.2%	2,038	1,958	-80	-3.9%
23.5%	1,998	1,927	-71	-3.5%
24.7%	1,957	1,922	-36	-1.8%
25.9%	1,949	1,890	-59	-3.0%
27.2%	1,927	1,881	-47	-2.4%
28.4%	1,892	1,872	-19	-1.0%
29.6%	1,872	1,857	-16	-0.8%
30.9%	1,868	1,825	-43	-2.3%
32.1%	1,837	1,816	-21	-1.1%
33.3%	1,816	1,806	-10	-0.5%
34.6%	1,808	1,797	-11	-0.6%
35.8%	1,797	1,788	-9	-0.5%
37.0%	1,778	1,771	-7	-0.4%
38.3%	1,776	1,750	-26	-1.4%
39.5%	1,686	1,692	6	0.4%
40.7%	1,644	1,668	23	1.4%
42.0%	1,628	1,666	38	2.3%
43.2%	1,613	1,647	33	2.1%
44.4%	1,592	1,643	51	3.2%
45.7%	1,579	1,596	17	1.1%
46.9%	1,568	1,592	25	1.6%
48.1%	1,563	1,561	-2	-0.1%
49.4%	1,534	1,552	18	1.1%
50.6%	1,530	1,536	7	0.4%
51.9%	1,495	1,528	32	2.2%
53.1%	1,495	1,471	-24	-1.6%
54.3%	1,476	1,463	-13	-0.9%
55.6%	1,467	1,461	-6	-0.4%
56.8%	1,460	1,451	-9	-0.6%
58.0%	1,428	1,445	17	1.2%
59.3%	1,423	1,442	19	1.3%
60.5%	1,415	1,439	24	1.7%
61.7%	1,382	1,430	47	3.4%
63.0%	1,375	1,426	51	3.7%
64.2%	1,372	1,376	5	0.3%
65.4%	1,370	1,357	-12	-0.9%
66.7%	1,363	1,355	-8	-0.6%
67.9%	1,336	1,339	3	0.2%
69.1%	1,329	1,318	-11	-0.8%
70.4%	1,283	1,311	28	2.2%
71.6%	1,268	1,309	41	3.2%
72.8%	1,197	1,283	86	7.2%
74.1%	1,193	1,237	45	3.7%
75.3%	1,180	1,191	11	0.9%
76.5%	1,175	1,143	-32	-2.7%
77.8%	1,073	1,092	19	1.7%
79.0%	1,072	1,091	19	1.8%
80.2%	1,054	1,073	19	1.8%
81.5%	1,049	1,032	-17	-1.7%
82.7%	1,032	1,028	-3	-0.3%
84.0%	1,029	1,006	-24	-2.3%
85.2%	968	945	-23	-2.4%
86.4%	960	922	-37	-3.9%
87.7%	937	918	-19	-2.0%
88.9%	845	850	65	7.7%
90.1%	761	861	99	13.1%
91.4%	737	737	0	0.0%
92.6%	675	708	33	4.9%
93.8%	660	679	19	2.9%
95.1%	654	635	-19	-2.9%
96.3%	631	616	-18	-2.9%
97.5%	591	591	0	0.0%
98.8%	511	522	11	2.1%
100.0%	510	500	-10	-1.9%

September				

Table SW-02-a  
Trinity Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	2,283	2,284	2,289	2,295	2,305	2,316	2,327	2,326	2,323	2,312	2,300	2,290
DCR 2015 With Project	2,284	2,285	2,290	2,296	2,306	2,317	2,328	2,327	2,324	2,313	2,300	2,290
Difference	1	1	1	1	1	1	1	1	1	1	0	0
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	2,323	2,323	2,325	2,325	2,338	2,348	2,358	2,360	2,358	2,350	2,342	2,332
DCR 2015 With Project	2,321	2,322	2,324	2,325	2,338	2,348	2,358	2,360	2,358	2,350	2,341	2,330
Difference	-1	-1	-1	0	-1	0	0	0	0	0	-1	-1
Percent Difference	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	2,309	2,308	2,310	2,305	2,319	2,333	2,345	2,346	2,344	2,335	2,325	2,314
DCR 2015 With Project	2,309	2,309	2,311	2,309	2,323	2,336	2,347	2,348	2,346	2,338	2,325	2,313
Difference	0	1	1	4	4	3	3	3	3	2	0	0
Percent Difference	0.0%	0.0%	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2,277	2,280	2,287	2,286	2,293	2,301	2,317	2,316	2,313	2,302	2,289	2,279
DCR 2015 With Project	2,278	2,281	2,289	2,287	2,294	2,303	2,318	2,317	2,315	2,304	2,292	2,280
Difference	1	1	1	1	1	1	1	1	1	2	2	1
Percent Difference	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2,264	2,265	2,275	2,285	2,293	2,306	2,318	2,314	2,308	2,293	2,279	2,269
DCR 2015 With Project	2,264	2,265	2,275	2,286	2,294	2,307	2,319	2,314	2,310	2,294	2,279	2,269
Difference	0	0	0	1	1	0	0	1	1	1	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	2,211	2,212	2,217	2,248	2,253	2,262	2,268	2,265	2,263	2,248	2,229	2,219
DCR 2015 With Project	2,217	2,217	2,221	2,248	2,253	2,262	2,269	2,267	2,264	2,249	2,230	2,221
Difference	6	4	3	0	0	1	1	2	1	1	1	1
Percent Difference	0.3%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





Figure SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

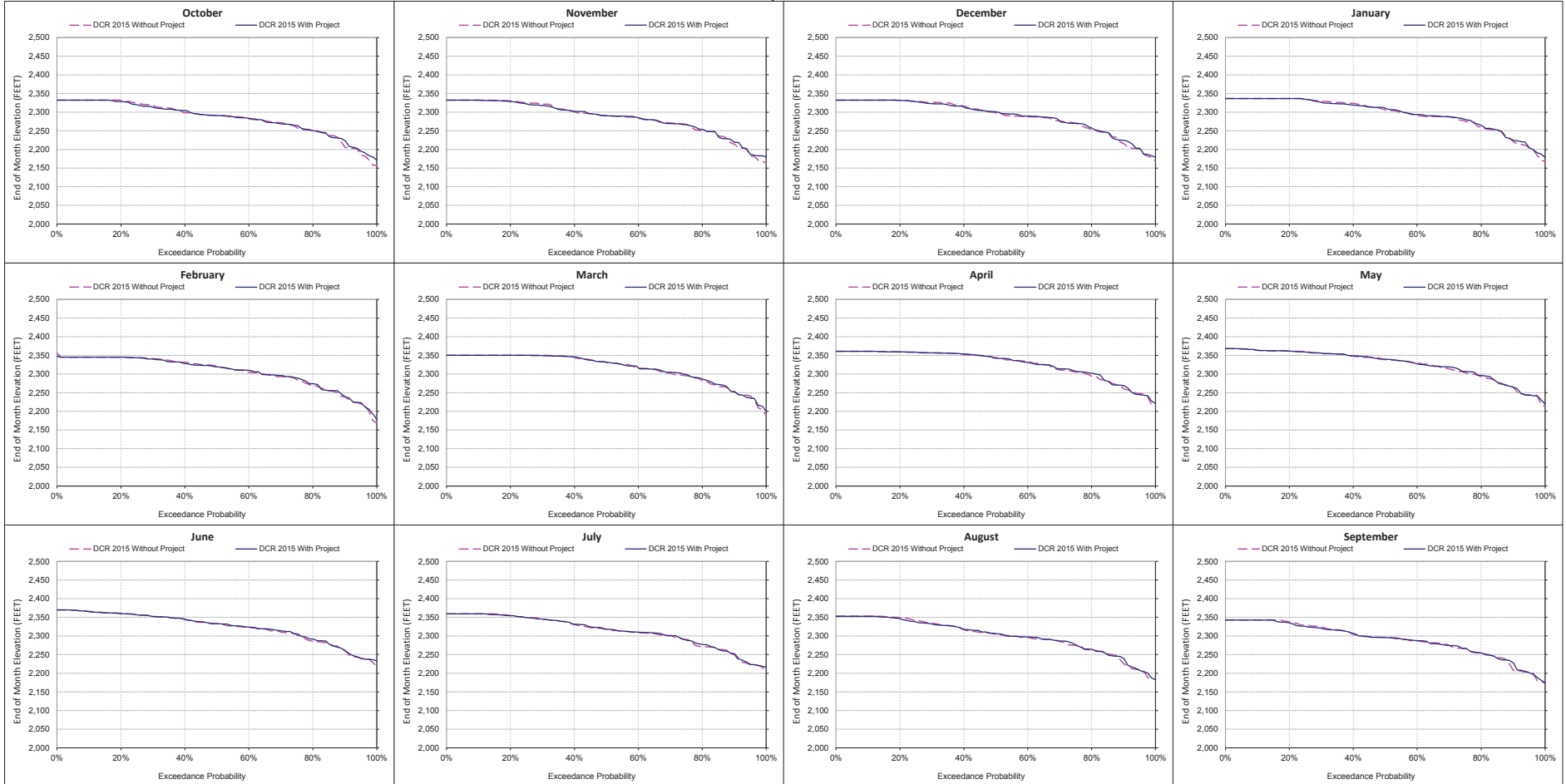


Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	0	0.0%
12.3%	2.332	2.332	0	0.0%
13.6%	2.332	2.332	0	0.0%
14.8%	2.332	2.332	0	0.0%
16.0%	2.332	2.332	0	0.0%
17.3%	2.332	2.331	-2	-0.1%
18.5%	2.332	2.329	-3	-0.1%
19.8%	2.332	2.328	-4	-0.2%
21.0%	2.330	2.328	-2	-0.1%
22.2%	2.329	2.326	-2	-0.1%
23.5%	2.326	2.322	-5	-0.2%
24.7%	2.324	2.320	-4	-0.2%
25.9%	2.322	2.318	-4	-0.2%
27.2%	2.321	2.316	-5	-0.2%
28.4%	2.320	2.315	-5	-0.2%
29.6%	2.320	2.315	-5	-0.2%
30.9%	2.315	2.311	-4	-0.2%
32.1%	2.313	2.310	-3	-0.1%
33.3%	2.311	2.309	-3	-0.1%
34.6%	2.311	2.308	-3	-0.1%
35.8%	2.310	2.308	-3	-0.1%
37.0%	2.307	2.306	-1	0.0%
38.3%	2.306	2.305	-2	-0.1%
39.5%	2.299	2.304	5	0.2%
40.7%	2.298	2.304	5	0.2%
42.0%	2.298	2.297	-1	0.0%
43.2%	2.296	2.295	-1	0.0%
44.4%	2.294	2.294	0	0.0%
45.7%	2.293	2.294	1	0.0%
46.9%	2.292	2.292	0	0.0%
48.1%	2.291	2.291	0	0.0%
49.4%	2.291	2.291	0	0.0%
50.6%	2.291	2.291	0	0.0%
51.9%	2.290	2.291	1	0.0%
53.1%	2.289	2.290	1	0.0%
54.3%	2.288	2.290	2	0.1%
55.6%	2.287	2.286	-1	0.0%
56.8%	2.287	2.285	-2	-0.1%
58.0%	2.287	2.285	-2	-0.1%
59.3%	2.281	2.285	3	0.1%
60.5%	2.281	2.283	1	0.1%
61.7%	2.280	2.281	1	0.1%
63.0%	2.279	2.280	1	0.1%
64.2%	2.277	2.279	3	0.1%
65.4%	2.277	2.273	-3	-0.2%
66.7%	2.274	2.272	-2	-0.1%
67.9%	2.273	2.272	-1	0.0%
69.1%	2.272	2.270	-2	-0.1%
70.4%	2.272	2.268	-3	-0.1%
71.6%	2.269	2.268	-1	0.0%
72.8%	2.266	2.268	1	0.0%
74.1%	2.264	2.265	2	0.1%
75.3%	2.257	2.264	6	0.3%
76.5%	2.253	2.256	3	0.1%
77.8%	2.253	2.254	1	0.1%
79.0%	2.252	2.253	2	0.1%
80.2%	2.250	2.250	0	0.0%
81.5%	2.249	2.248	-2	-0.1%
82.7%	2.245	2.246	0	0.0%
84.0%	2.242	2.245	3	0.2%
85.2%	2.238	2.234	-3	-0.1%
86.4%	2.237	2.231	-6	-0.3%
87.7%	2.233	2.231	-2	-0.1%
88.9%	2.220	2.229	9	0.4%
90.1%	2.205	2.263	18	0.8%
91.4%	2.205	2.208	3	0.1%
92.6%	2.202	2.206	3	0.2%
93.8%	2.202	2.203	1	0.0%
95.1%	2.184	2.195	11	0.5%
96.3%	2.183	2.191	8	0.4%
97.5%	2.172	2.183	11	0.5%
98.8%	2.158	2.179	22	1.0%
100.0%	2.158	2.171	14	0.6%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	-1	0.0%
12.3%	2.332	2.331	-1	0.0%
13.6%	2.332	2.331	-1	0.0%
14.8%	2.332	2.331	-1	0.0%
16.0%	2.332	2.331	-1	0.0%
17.3%	2.331	2.330	-2	-0.1%
18.5%	2.331	2.329	-2	-0.1%
19.8%	2.330	2.328	-2	-0.1%
21.0%	2.329	2.328	-1	0.0%
22.2%	2.328	2.328	-2	-0.1%
23.5%	2.326	2.324	-2	-0.1%
24.7%	2.326	2.322	-3	-0.1%
25.9%	2.324	2.320	-4	-0.2%
27.2%	2.324	2.319	-5	-0.2%
28.4%	2.319	2.324	5	0.2%
29.6%	2.321	2.318	-4	-0.2%
30.9%	2.321	2.317	-4	-0.2%
32.1%	2.321	2.316	-5	-0.2%
33.3%	2.316	2.313	-3	-0.1%
34.6%	2.309	2.308	-1	0.0%
35.8%	2.309	2.308	-3	-0.1%
37.0%	2.307	2.306	-1	0.0%
38.3%	2.304	2.305	1	0.0%
39.5%	2.303	2.302	-1	0.0%
40.7%	2.298	2.302	4	0.2%
42.0%	2.297	2.297	4	0.2%
43.2%	2.297	2.301	4	0.2%
44.4%	2.296	2.296	0	0.0%
45.7%	2.295	2.295	0	0.0%
46.9%	2.294	2.295	1	0.0%
48.1%	2.292	2.292	0	0.0%
49.4%	2.291	2.292	1	0.1%
50.6%	2.290	2.290	0	0.0%
51.9%	2.289	2.290	1	0.0%
53.1%	2.289	2.290	1	0.0%
54.3%	2.289	2.289	1	0.0%
55.6%	2.288	2.288	1	0.0%
56.8%	2.287	2.288	2	0.1%
58.0%	2.287	2.285	-2	-0.1%
59.3%	2.284	2.287	3	0.1%
60.5%	2.282	2.284	2	0.1%
61.7%	2.282	2.280	-2	-0.1%
63.0%	2.280	2.280	0	0.0%
64.2%	2.279	2.280	1	0.0%
65.4%	2.278	2.279	1	0.0%
66.7%	2.273	2.275	2	0.1%
67.9%	2.273	2.271	-2	-0.1%
69.1%	2.271	2.269	-2	-0.1%
70.4%	2.271	2.269	-2	-0.1%
71.6%	2.270	2.269	-1	0.0%
72.8%	2.269	2.268	-1	0.0%
74.1%	2.269	2.267	-2	-0.1%
75.3%	2.266	2.266	0	0.0%
76.5%	2.260	2.263	3	0.1%
77.8%	2.253	2.260	7	0.3%
79.0%	2.251	2.254	3	0.1%
80.2%	2.249	2.254	4	0.2%
81.5%	2.249	2.249	0	0.0%
82.7%	2.248	2.248	0	0.0%
84.0%	2.248	2.249	0	0.0%
85.2%	2.236	2.232	-3	-0.1%
86.4%	2.235	2.229	-6	-0.3%
87.7%	2.231	2.228	-3	-0.1%
88.9%	2.218	2.227	9	0.4%
90.1%	2.213	2.219	6	0.3%
91.4%	2.204	2.219	15	0.7%
92.6%	2.204	2.204	1	0.0%
93.8%	2.201	2.203	1	0.1%
95.1%	2.182	2.187	4	0.2%
96.3%	2.181	2.185	4	0.2%
97.5%	2.171	2.183	12	0.5%
98.8%	2.169	2.183	13	0.6%
100.0%	2.163	2.180	17	0.8%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	0	0.0%
12.3%	2.332	2.332	0	0.0%
13.6%	2.332	2.332	0	0.0%
14.8%	2.332	2.332	0	0.0%
16.0%	2.332	2.332	0	0.0%
17.3%	2.332	2.332	0	0.0%
18.5%	2.332	2.332	0	0.0%
19.8%	2.332	2.332	0	0.0%
21.0%	2.331	2.331	0	0.0%
22.2%	2.331	2.331	0	0.0%
23.5%	2.330	2.329	-1	0.0%
24.7%	2.330	2.329	-1	0.0%
25.9%	2.329	2.327	-2	-0.1%
27.2%	2.327	2.325	-2	-0.1%
28.4%	2.326	2.324	-3	-0.1%
29.6%	2.326	2.323	-4	-0.2%
30.9%	2.326	2.322	-4	-0.2%
32.1%	2.326	2.322	-4	-0.2%
33.3%	2.325	2.322	-3	-0.1%
34.6%	2.324	2.321	-4	-0.2%
35.8%	2.324	2.318	-6	-0.3%
37.0%	2.319	2.316	-3	-0.1%
38.3%	2.318	2.316	-2	-0.1%
39.5%	2.317	2.316	-1	0.0%
40.7%	2.315	2.310	-4	-0.2%
42.0%	2.309	2.309	0	0.0%
43.2%	2.309	2.307	-2	-0.1%
44.4%	2.308	2.305	-3	-0.1%
45.7%	2.303	2.305	1	0.1%
46.9%	2.302	2.303	1	0.0%
48.1%	2.300	2.302	2	0.1%
49.4%	2.302	2.302	2	0.1%
50.6%	2.296	2.300	4	0.2%
51.9%	2.295	2.296	1	0.1%
53.1%	2.291	2.296	5	0.2%
54.3%	2.291	2.295	5	0.2%
55.6%	2.290	2.295	5	0.2%
56.8%	2.289	2.293	4	0.2%
58.0%	2.289	2.290	2	0.1%
59.3%	2.288	2.290	2	0.1%
60.5%	2.288	2.290	2	0.1%
61.7%	2.287	2.289	1	0.1%
63.0%	2.287	2.289	1	0.1%
64.2%	2.286	2.287	1	0.0%
65.4%	2.285	2.287	1	0.1%
66.7%	2.285	2.286	1	0.1%
67.9%	2.280	2.285	6	0.3%
69.1%	2.277	2.283	6	0.3%
70.4%	2.276	2.274	-2	-0.1%
71.6%	2.274	2.272	-1	0.0%
72.8%	2.272	2.270	-2	-0.1%
74.1%	2.272	2.270	-2	-0.1%
75.3%	2.270	2.270	0	0.0%
76.5%	2.265	2.269	4	0.2%
77.8%	2.259	2.267	7	0.3%
79.0%	2.257	2.260	4	0.2%
80.2%	2.253	2.256	3	0.1%
81.5%	2.252	2.250	-2	-0.1%
82.7%	2.250	2.247	-2	-0.1%
84.0%	2.247	2.247	0	0.0%
85.2%	2.247	2.245	-2	-0.1%
86.4%	2.234	2.231	-3	-0.1%
87.7%	2.233	2.227	-6	-0.3%
88.9%	2.220	2.225	5	0.2%
90.1%	2.216	2.226	9	0.4%
91.4%	2.205	2.222	17	0.8%
92.6%	2.203	2.215	12	0.5%
93.8%	2.203	2.204	1	0.1%
95.1%	2.201	2.203	2	0.1%
96.3%	2.187	2.187	0	0.0%
97.5%	2.187	2.184	-3	-0.1%
98.8%	2.179	2.183	4	0.2%
100.0%	2.169	2.179	11	0.5%

January				
Percent				

Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.356	2.348	-8	-0.4%	
1.2%	2.345	2.345	0	0.0%	
2.5%	2.345	2.345	0	0.0%	
3.7%	2.345	2.345	0	0.0%	
4.9%	2.345	2.345	0	0.0%	
6.2%	2.345	2.345	0	0.0%	
7.4%	2.345	2.345	0	0.0%	
8.6%	2.345	2.345	0	0.0%	
9.9%	2.345	2.345	0	0.0%	
11.1%	2.345	2.345	0	0.0%	
12.3%	2.345	2.345	0	0.0%	
13.6%	2.345	2.345	0	0.0%	
14.8%	2.345	2.345	0	0.0%	
16.0%	2.345	2.345	0	0.0%	
17.3%	2.345	2.345	0	0.0%	
18.5%	2.345	2.345	0	0.0%	
19.8%	2.345	2.345	0	0.0%	
21.0%	2.345	2.345	0	0.0%	
22.2%	2.344	2.344	0	0.0%	
23.5%	2.344	2.344	0	0.0%	
24.7%	2.344	2.344	-1	0.0%	
25.9%	2.344	2.343	-1	0.0%	
27.2%	2.344	2.343	-1	0.0%	
28.4%	2.341	2.340	-1	0.0%	
29.6%	2.341	2.340	-1	0.0%	
30.9%	2.341	2.339	-2	-0.1%	
32.1%	2.340	2.338	-2	-0.1%	
33.3%	2.338	2.337	-1	0.0%	
34.6%	2.337	2.333	-4	-0.2%	
35.8%	2.336	2.333	-3	-0.1%	
37.0%	2.332	2.332	0	0.0%	
38.3%	2.332	2.332	0	0.0%	
39.5%	2.331	2.329	-3	-0.1%	
40.7%	2.331	2.328	-4	-0.2%	
42.0%	2.328	2.325	-3	-0.1%	
43.2%	2.328	2.324	-4	-0.2%	
44.4%	2.326	2.324	-3	-0.1%	
45.7%	2.325	2.323	-2	-0.1%	
46.9%	2.325	2.323	-2	-0.1%	
48.1%	2.324	2.322	-2	-0.1%	
49.4%	2.323	2.320	-3	-0.1%	
50.6%	2.318	2.319	1	0.0%	
51.9%	2.317	2.317	0	0.0%	
53.1%	2.316	2.315	-1	0.0%	
54.3%	2.313	2.314	1	0.1%	
55.6%	2.311	2.312	1	0.1%	
56.8%	2.310	2.311	1	0.0%	
58.0%	2.310	2.311	1	0.1%	
59.3%	2.305	2.310	5	0.2%	
60.5%	2.304	2.310	5	0.2%	
61.7%	2.304	2.306	2	0.1%	
63.0%	2.302	2.306	3	0.1%	
64.2%	2.300	2.299	-2	-0.1%	
65.4%	2.299	2.298	0	0.0%	
66.7%	2.297	2.298	1	0.0%	
67.9%	2.295	2.297	2	0.1%	
69.1%	2.293	2.296	2	0.1%	
70.4%	2.293	2.296	3	0.1%	
71.6%	2.292	2.293	1	0.1%	
72.8%	2.292	2.293	1	0.1%	
74.1%	2.290	2.291	1	0.0%	
75.3%	2.283	2.289	6	0.3%	
76.5%	2.281	2.286	5	0.2%	
77.8%	2.275	2.281	6	0.3%	
79.0%	2.271	2.274	2	0.1%	
80.2%	2.269	2.274	5	0.2%	
81.5%	2.267	2.272	5	0.2%	
82.7%	2.262	2.258	-4	-0.2%	
84.0%	2.260	2.257	-3	-0.1%	
85.2%	2.255	2.255	0	0.0%	
86.4%	2.254	2.255	1	0.1%	
87.7%	2.249	2.255	6	0.3%	
88.9%	2.240	2.247	7	0.3%	
90.1%	2.238	2.239	1	0.0%	
91.4%	2.231	2.235	4	0.2%	
92.6%	2.224	2.225	1	0.0%	
93.8%	2.224	2.224	0	0.0%	
95.1%	2.220	2.223	3	0.2%	
96.3%	2.215	2.212	-3	-0.1%	
97.5%	2.201	2.205	5	0.2%	
98.8%	2.175	2.193	17	0.8%	
100.0%	2.168	2.179	11	0.5%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.350	2.350	0	0.0%	
1.2%	2.350	2.350	0	0.0%	
2.5%	2.350	2.350	0	0.0%	
3.7%	2.350	2.350	0	0.0%	
4.9%	2.350	2.350	0	0.0%	
6.2%	2.350	2.350	0	0.0%	
7.4%	2.350	2.350	0	0.0%	
8.6%	2.350	2.350	0	0.0%	
9.9%	2.350	2.350	0	0.0%	
11.1%	2.350	2.350	0	0.0%	
12.3%	2.350	2.350	0	0.0%	
13.6%	2.350	2.350	0	0.0%	
14.8%	2.350	2.350	0	0.0%	
16.0%	2.350	2.350	0	0.0%	
17.3%	2.350	2.350	0	0.0%	
18.5%	2.350	2.350	0	0.0%	
19.8%	2.350	2.350	0	0.0%	
21.0%	2.350	2.350	0	0.0%	
22.2%	2.350	2.350	0	0.0%	
23.5%	2.350	2.350	0	0.0%	
24.7%	2.350	2.344	-6	-0.3%	
25.9%	2.350	2.349	-1	0.0%	
27.2%	2.350	2.349	-1	0.0%	
28.4%	2.349	2.349	0	0.0%	
29.6%	2.350	2.349	-1	0.0%	
30.9%	2.350	2.349	-1	0.0%	
32.1%	2.350	2.349	-1	0.0%	
33.3%	2.349	2.348	-1	-0.1%	
34.6%	2.349	2.348	-1	-0.1%	
35.8%	2.349	2.348	-1	-0.1%	
37.0%	2.348	2.347	-1	0.0%	
38.3%	2.347	2.347	0	0.0%	
39.5%	2.346	2.346	0	0.0%	
40.7%	2.342	2.345	3	0.1%	
42.0%	2.341	2.342	1	0.0%	
43.2%	2.340	2.339	-1	0.0%	
44.4%	2.339	2.338	-2	-0.1%	
45.7%	2.337	2.336	-1	0.0%	
46.9%	2.334	2.334	0	0.0%	
48.1%	2.334	2.333	0	0.0%	
49.4%	2.333	2.332	-1	0.0%	
50.6%	2.330	2.331	1	0.0%	
51.9%	2.329	2.329	0	0.0%	
53.1%	2.329	2.329	0	0.0%	
54.3%	2.326	2.327	1	0.0%	
55.6%	2.326	2.324	-2	-0.1%	
56.8%	2.326	2.322	-4	-0.2%	
58.0%	2.322	2.321	0	0.0%	
59.3%	2.317	2.321	4	0.2%	
60.5%	2.315	2.314	-1	-0.1%	
61.7%	2.315	2.314	-1	-0.1%	
63.0%	2.315	2.314	-1	0.0%	
64.2%	2.313	2.313	0	0.0%	
65.4%	2.312	2.313	1	0.0%	
66.7%	2.307	2.311	4	0.2%	
67.9%	2.305	2.306	1	0.0%	
69.1%	2.303	2.305	2	0.1%	
70.4%	2.302	2.304	2	0.1%	
71.6%	2.298	2.304	6	0.3%	
72.8%	2.298	2.303	5	0.2%	
74.1%	2.296	2.300	4	0.2%	
75.3%	2.295	2.298	3	0.1%	
76.5%	2.292	2.292	0	0.0%	
77.8%	2.289	2.291	2	0.1%	
79.0%	2.288	2.289	2	0.1%	
80.2%	2.280	2.286	6	0.3%	
81.5%	2.279	2.283	4	0.2%	
82.7%	2.273	2.279	6	0.3%	
84.0%	2.271	2.273	2	0.1%	
85.2%	2.266	2.272	5	0.2%	
86.4%	2.266	2.270	4	0.2%	
87.7%	2.265	2.267	2	0.1%	
88.9%	2.254	2.254	0	0.0%	
90.1%	2.252	2.252	0	0.0%	
91.4%	2.245	2.245	0	0.0%	
92.6%	2.244	2.243	-1	-0.1%	
93.8%	2.243	2.237	-6	-0.3%	
95.1%	2.241	2.236	-5	-0.2%	
96.3%	2.230	2.234	4	0.2%	
97.5%	2.209	2.216	7	0.3%	
98.8%	2.204	2.214	10	0.4%	
100.0%	2.189	2.200	11	0.5%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.361	2.361	0	0.0%	
1.2%	2.361	2.361	0	0.0%	
2.5%	2.361	2.361	0	0.0%	
3.7%	2.361	2.361	0	0.0%	
4.9%	2.361	2.361	0	0.0%	
6.2%	2.361	2.361	0	0.0%	
7.4%	2.361	2.361	0	0.0%	
8.6%	2.361	2.361	0	0.0%	
9.9%	2.361	2.361	0	0.0%	
11.1%	2.361	2.361	0	0.0%	
12.3%	2.361	2.361	0	0.0%	
13.6%	2.360	2.360	0	0.0%	
14.8%	2.360	2.360	0	0.0%	
16.0%	2.360	2.360	0	0.0%	
17.3%	2.360	2.360	0	0.0%	
18.5%	2.359	2.359	0	0.0%	
19.8%	2.359	2.359	0	0.0%	
21.0%	2.359	2.359	0	0.0%	
22.2%	2.359	2.359	0	0.0%	
23.5%	2.359	2.359	0	0.0%	
24.7%	2.359	2.359	0	0.0%	
25.9%	2.358	2.357	-1	0.0%	
27.2%	2.358	2.357	-1	0.0%	
28.4%	2.357	2.357	0	0.0%	
29.6%	2.357	2.357	0	0.0%	
30.9%	2.357	2.357	0	0.0%	
32.1%	2.357	2.356	-1	0.0%	
33.3%	2.357	2.356	-1	0.0%	
34.6%	2.357	2.356	-1	0.0%	
35.8%	2.356	2.356	0	0.0%	
37.0%	2.355	2.355	0	0.0%	
38.3%	2.354	2.355	1	0.1%	
39.5%	2.354	2.354	0	0.0%	
40.7%	2.351	2.354	2	0.1%	
42.0%	2.350	2.352	2	0.1%	
43.2%	2.350	2.352	1	0.0%	
44.4%	2.350	2.350	0	0.0%	
45.7%	2.349	2.350	1	0.0%	
46.9%	2.347	2.347	0	0.0%	
48.1%	2.347	2.347	0	0.0%	
49.4%	2.345	2.343	-2	-0.1%	
50.6%	2.344	2.342	-2	-0.1%	
51.9%	2.343	2.342	-1	0.0%	
53.1%	2.338	2.342	4	0.2%	
54.3%	2.338	2.340	2	0.1%	
55.6%	2.337	2.336	-1	-0.1%	
56.8%	2.336	2.336	0	0.0%	
58.0%	2.335	2.333	-2	-0.1%	
59.3%	2.334	2.332	-2	-0.1%	
60.5%	2.333	2.330	-3	-0.1%	
61.7%	2.329	2.328	-1	0.0%	
63.0%	2.329	2.325	-3	-0.1%	
64.2%	2.327	2.325	-2	-0.1%	
65.4%	2.325	2.324	-1	0.0%	
66.7%	2.324	2.324	0	0.0%	
67.9%	2.315	2.321	6	0.2%	
69.1%	2.313	2.315	2	0.1%	
70.4%	2.311	2.314	3	0.1%	
71.6%	2.310	2.314	3	0.1%	
72.8%	2.310	2.313	3	0.2%	
74.1%	2.307	2.310	3	0.1%	
75.3%	2.306	2.307	1	0.0%	
76.5%	2.304	2.306	2	0.1%	
77.8%	2.302	2.305	4	0.2%	
79.0%	2.2				

Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.370	2.370	0	0.0%
1.2%	2.370	2.370	0	0.0%
2.5%	2.370	2.370	0	0.0%
3.7%	2.370	2.370	0	0.0%
4.9%	2.369	2.369	0	0.0%
6.2%	2.369	2.369	0	0.0%
7.4%	2.367	2.367	0	0.0%
8.6%	2.367	2.367	0	0.0%
9.9%	2.366	2.365	-1	0.0%
11.1%	2.365	2.364	-1	0.0%
12.3%	2.364	2.364	-1	0.0%
13.6%	2.363	2.363	0	0.0%
14.8%	2.362	2.362	0	0.0%
16.0%	2.362	2.362	0	0.0%
17.3%	2.361	2.361	0	0.0%
18.5%	2.361	2.361	0	0.0%
19.8%	2.360	2.360	0	0.0%
21.0%	2.360	2.359	-1	0.0%
22.2%	2.359	2.359	0	0.0%
23.5%	2.359	2.358	-1	0.0%
24.7%	2.357	2.357	0	0.0%
25.9%	2.356	2.356	0	0.0%
27.2%	2.356	2.355	0	0.0%
28.4%	2.355	2.355	0	0.0%
29.6%	2.353	2.353	0	0.0%
30.9%	2.352	2.352	0	0.0%
32.1%	2.351	2.351	0	0.0%
33.3%	2.351	2.351	0	0.0%
34.6%	2.350	2.350	0	0.0%
35.8%	2.349	2.349	0	0.0%
37.0%	2.347	2.348	1	0.0%
38.3%	2.347	2.348	1	0.0%
39.5%	2.346	2.346	0	0.0%
40.7%	2.343	2.343	0	0.0%
42.0%	2.341	2.342	1	0.1%
43.2%	2.338	2.338	1	0.1%
44.4%	2.337	2.338	2	0.1%
45.7%	2.337	2.338	1	0.1%
46.9%	2.335	2.336	0	0.0%
48.1%	2.334	2.333	-1	-0.1%
49.4%	2.333	2.333	0	0.0%
50.6%	2.333	2.332	-1	0.0%
51.9%	2.331	2.332	1	0.0%
53.1%	2.328	2.332	4	0.2%
54.3%	2.327	2.313	2	0.1%
55.6%	2.326	2.327	1	0.1%
56.8%	2.325	2.327	2	0.1%
58.0%	2.325	2.326	1	0.0%
59.3%	2.322	2.324	2	0.1%
60.5%	2.322	2.323	1	0.0%
61.7%	2.321	2.323	1	0.1%
63.0%	2.320	2.319	-1	0.0%
64.2%	2.320	2.319	0	0.0%
65.4%	2.318	2.319	1	0.1%
66.7%	2.314	2.319	4	0.2%
67.9%	2.313	2.317	3	0.1%
69.1%	2.313	2.315	2	0.1%
70.4%	2.309	2.313	4	0.2%
71.6%	2.309	2.312	3	0.1%
72.8%	2.308	2.312	3	0.2%
74.1%	2.307	2.292	-1	0.0%
75.3%	2.301	2.305	3	0.1%
76.5%	2.299	2.299	0	0.0%
77.8%	2.291	2.297	5	0.2%
79.0%	2.287	2.292	5	0.2%
80.2%	2.286	2.292	5	0.2%
81.5%	2.285	2.287	3	0.1%
82.7%	2.283	2.287	4	0.2%
84.0%	2.282	2.286	4	0.2%
85.2%	2.279	2.278	-1	-0.1%
86.4%	2.273	2.273	-1	0.0%
87.7%	2.273	2.270	-3	-0.1%
88.9%	2.266	2.267	1	0.0%
90.1%	2.261	2.260	-1	0.0%
91.4%	2.249	2.253	5	0.2%
92.6%	2.244	2.247	4	0.2%
93.8%	2.244	2.244	0	0.0%
95.1%	2.240	2.240	-1	0.0%
96.3%	2.239	2.238	-1	0.0%
97.5%	2.238	2.237	-1	0.0%
98.8%	2.229	2.237	7	0.3%
100.0%	2.228	2.233	15	0.7%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.359	2.359	0	0.0%
1.2%	2.359	2.359	0	0.0%
2.5%	2.359	2.359	0	0.0%
3.7%	2.359	2.359	0	0.0%
4.9%	2.359	2.359	0	0.0%
6.2%	2.359	2.359	0	0.0%
7.4%	2.359	2.359	0	0.0%
8.6%	2.359	2.359	0	0.0%
9.9%	2.359	2.359	0	0.0%
11.1%	2.359	2.359	0	0.0%
12.3%	2.359	2.359	0	0.0%
13.6%	2.359	2.357	-2	-0.1%
14.8%	2.359	2.357	-2	-0.1%
16.0%	2.359	2.357	-2	-0.1%
17.3%	2.357	2.357	0	0.0%
18.5%	2.357	2.355	-2	-0.1%
19.8%	2.355	2.354	-1	0.0%
21.0%	2.354	2.354	0	0.0%
22.2%	2.352	2.347	-5	-0.2%
23.5%	2.351	2.351	0	0.0%
24.7%	2.350	2.349	-1	0.0%
25.9%	2.349	2.349	0	0.0%
27.2%	2.349	2.348	-1	0.0%
28.4%	2.348	2.348	0	0.0%
29.6%	2.346	2.346	0	0.0%
30.9%	2.344	2.344	0	0.0%
32.1%	2.343	2.343	0	0.0%
33.3%	2.342	2.342	0	0.0%
34.6%	2.341	2.341	0	0.0%
35.8%	2.339	2.339	0	0.0%
37.0%	2.339	2.338	0	0.0%
38.3%	2.336	2.337	1	0.0%
39.5%	2.331	2.332	1	0.0%
40.7%	2.329	2.332	3	0.1%
42.0%	2.327	2.331	3	0.1%
43.2%	2.326	2.330	4	0.2%
44.4%	2.323	2.326	3	0.1%
45.7%	2.322	2.323	2	0.1%
46.9%	2.321	2.323	3	0.1%
48.1%	2.321	2.323	3	0.1%
49.4%	2.319	2.320	1	0.1%
50.6%	2.318	2.318	0	0.0%
51.9%	2.315	2.318	3	0.1%
53.1%	2.314	2.315	0	0.0%
54.3%	2.313	2.329	0	0.0%
55.6%	2.312	2.313	1	0.0%
56.8%	2.312	2.312	0	0.0%
58.0%	2.310	2.311	0	0.0%
59.3%	2.310	2.310	0	0.0%
60.5%	2.309	2.310	1	0.0%
61.7%	2.308	2.309	1	0.1%
63.0%	2.308	2.309	1	0.1%
64.2%	2.307	2.309	2	0.1%
65.4%	2.306	2.307	1	0.1%
66.7%	2.303	2.307	4	0.2%
67.9%	2.302	2.304	1	0.1%
69.1%	2.301	2.301	0	0.0%
70.4%	2.301	2.301	0	0.0%
71.6%	2.296	2.300	5	0.2%
72.8%	2.294	2.296	1	0.1%
74.1%	2.291	2.292	1	0.0%
75.3%	2.290	2.288	-3	-0.1%
76.5%	2.287	2.287	0	0.0%
77.8%	2.275	2.281	6	0.3%
79.0%	2.272	2.278	6	0.3%
80.2%	2.271	2.277	6	0.3%
81.5%	2.271	2.276	6	0.3%
82.7%	2.270	2.271	1	0.1%
84.0%	2.270	2.268	-2	-0.1%
85.2%	2.264	2.262	-1	-0.1%
86.4%	2.263	2.260	-3	-0.1%
87.7%	2.262	2.259	-3	-0.1%
88.9%	2.254	2.254	1	0.0%
90.1%	2.252	2.252	4	0.2%
91.4%	2.235	2.239	3	0.2%
92.6%	2.229	2.234	5	0.2%
93.8%	2.227	2.230	3	0.1%
95.1%	2.224	2.223	0	0.0%
96.3%	2.222	2.223	1	0.0%
97.5%	2.221	2.221	0	0.0%
98.8%	2.216	2.219	3	0.1%
100.0%	2.202	2.216	14	0.6%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.353	2.353	0	0.0%
1.2%	2.353	2.353	0	0.0%
2.5%	2.353	2.353	0	0.0%
3.7%	2.353	2.353	0	0.0%
4.9%	2.353	2.353	0	0.0%
6.2%	2.353	2.353	0	0.0%
7.4%	2.353	2.353	0	0.0%
8.6%	2.353	2.353	0	0.0%
9.9%	2.353	2.353	0	0.0%
11.1%	2.353	2.353	0	0.0%
12.3%	2.353	2.353	0	0.0%
13.6%	2.353	2.351	-2	-0.1%
14.8%	2.352	2.351	-2	-0.1%
16.0%	2.351	2.350	-1	0.0%
17.3%	2.351	2.349	-2	-0.1%
18.5%	2.350	2.348	-2	-0.1%
19.8%	2.350	2.347	-2	-0.1%
21.0%	2.348	2.343	-5	-0.2%
22.2%	2.347	2.341	-6	-0.2%
23.5%	2.345	2.339	-6	-0.3%
24.7%	2.341	2.338	-3	-0.1%
25.9%	2.341	2.336	-5	-0.2%
27.2%	2.339	2.335	-4	-0.2%
28.4%	2.336	2.334	-2	-0.1%
29.6%	2.334	2.333	-1	0.0%
30.9%	2.334	2.330	-4	-0.2%
32.1%	2.331	2.329	-2	-0.1%
33.3%	2.329	2.329	-1	0.0%
34.6%	2.329	2.328	-1	0.0%
35.8%	2.328	2.327	-1	0.0%
37.0%	2.326	2.326	0	0.0%
38.3%	2.326	2.324	-2	-0.1%
39.5%	2.318	2.319	1	0.0%
40.7%	2.315	2.317	2	0.1%
42.0%	2.317	2.301	3	0.1%
43.2%	2.312	2.315	3	0.1%
44.4%	2.310	2.315	4	0.2%
45.7%	2.309	2.311	1	0.1%
46.9%	2.308	2.310	2	0.1%
48.1%	2.308	2.308	0	0.0%
49.4%	2.305	2.307	1	0.1%
50.6%	2.305	2.306	1	0.0%
51.9%	2.302	2.305	3	0.1%
53.1%	2.302	2.300	-2	-0.1%
54.3%	2.301	2.299	-1	0.0%
55.6%	2.300	2.298	-1	0.0%
56.8%	2.299	2.298	-1	0.0%
58.0%	2.296	2.298	1	0.1%
59.3%	2.296	2.298	2	0.1%
60.5%	2.295	2.297	2	0.1%
61.7%	2.293	2.297	4	0.2%
63.0%	2.292	2.296	4	0.2%
64.2%	2.292	2.292	0	0.0%
65.4%	2.292	2.291	-1	0.0%
66.7%	2.291	2.290	-1	0.0%
67.9%	2.289	2.289	0	0.0%
69.1%	2.288	2.287	-1	0.0%
70.4%	2.284	2.287	2	0.1%
71.6%	2.283	2.286	4	0.2%
72.8%	2.276	2.284	9	0.4%
74.1%	2.275	2.280	4	0.2%
75.3%	2.274	2.275	1	0.0%
76.5%	2.273	2.270	-3	-0.1%
77.8%	2.263	2.265	2	0.1%
79.0%	2.263	2.265	2	0.1%
80.2%	2.261	2.263	2	0.1%
81.5%	2.261	2.259	-2	-0.1%
82.7%	2.259	2.258	0	0.0%
84.0%	2.258	2.245	-3	-0.1%
85.2%	2.251	2.249	-3	-0.1%
86.4%	2.250	2.246	-4	-0.2%
87.7%	2.248	2.246	-2	-0.1%
88.9%	2.237	2.245	8	0.4%
90.1%	2.225	2.239	14	0.6%
91.4%	2.219	2.221	2	0.1%
92.6%	2.213	2.217	5	0.2%
93.8%	2.210	2.213	3	0.1%
95.1%	2.210	2.207	-3	-0.1%
96.3%	2.206	2.204	-3	-0.1%
97.5%	2.189	2.201	12	0.5%
98.8%	2.185	2.187	2	0.1%
100.0%	2.185	2.183	-2	-0.1%

September				
Percent Exceedance Probability (%)				

Table SW-03-a  
Trinity Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	10,797	10,850	11,137	11,476	12,048	12,670	13,367	13,326	13,154	12,483	11,763	11,142
DCR 2015 With Project	10,820	10,880	11,179	11,530	12,086	12,715	13,416	13,382	13,214	12,533	11,775	11,133
Difference	23	29	42	54	38	45	50	56	60	49	12	-9
Percent Difference <sup>2</sup>	0.2%	0.3%	0.4%	0.5%	0.3%	0.4%	0.4%	0.4%	0.5%	0.4%	0.1%	-0.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	13,074	13,098	13,184	13,188	13,958	14,540	15,256	15,391	15,291	14,757	14,241	13,570
DCR 2015 With Project	12,992	13,020	13,135	13,169	13,909	14,531	15,256	15,392	15,287	14,740	14,175	13,490
Difference	-83	-78	-49	-20	-49	-9	0	1	-5	-17	-66	-80
Percent Difference	-0.6%	-0.6%	-0.4%	-0.1%	-0.4%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.5%	-0.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	12,252	12,198	12,332	12,037	12,824	13,675	14,431	14,477	14,363	13,846	13,218	12,564
DCR 2015 With Project	12,302	12,271	12,432	12,256	13,026	13,862	14,597	14,636	14,493	13,984	13,249	12,572
Difference	50	74	100	219	202	187	166	159	130	138	31	8
Percent Difference	0.4%	0.6%	0.8%	1.8%	1.6%	1.4%	1.1%	1.1%	0.9%	1.0%	0.2%	0.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	10,369	10,548	10,995	10,919	11,336	11,838	12,739	12,693	12,518	11,840	11,083	10,508
DCR 2015 With Project	10,433	10,636	11,087	10,995	11,403	11,895	12,813	12,760	12,596	11,947	11,231	10,567
Difference	64	88	92	76	68	57	74	67	78	107	148	58
Percent Difference	0.6%	0.8%	0.8%	0.7%	0.6%	0.5%	0.6%	0.5%	0.6%	0.9%	1.3%	0.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	9,542	9,612	10,216	10,904	11,376	12,106	12,800	12,550	12,226	11,375	10,479	9,834
DCR 2015 With Project	9,527	9,619	10,236	10,957	11,417	12,137	12,826	12,582	12,302	11,407	10,485	9,819
Difference	-14	7	20	52	41	30	25	32	76	32	5	-15
Percent Difference	-0.1%	0.1%	0.2%	0.5%	0.4%	0.2%	0.2%	0.3%	0.6%	0.3%	0.1%	-0.2%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	6,792	6,845	7,056	8,709	8,973	9,429	9,790	9,604	9,448	8,607	7,656	7,158
DCR 2015 With Project	7,027	7,025	7,211	8,736	8,995	9,457	9,839	9,699	9,532	8,669	7,673	7,218
Difference	234	180	156	27	22	28	49	96	84	62	17	60
Percent Difference	3.4%	2.6%	2.2%	0.3%	0.2%	0.3%	0.5%	1.0%	0.9%	0.7%	0.2%	0.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

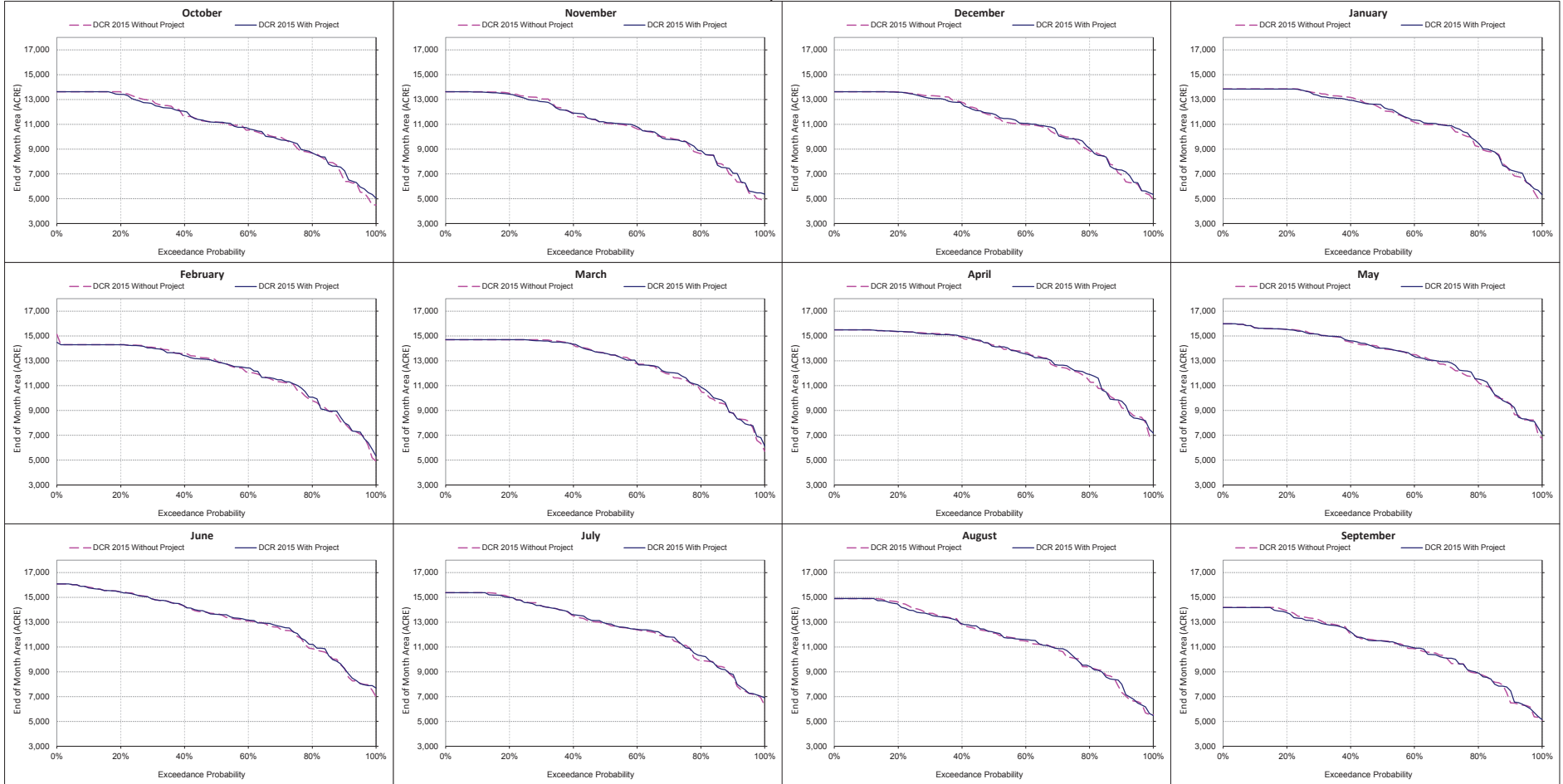


Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.8%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,538	-87	-0.6%
18.5%	13,625	13,440	-185	-1.4%
19.8%	13,625	13,416	-209	-1.5%
21.0%	13,498	13,403	-95	-0.7%
22.2%	13,444	13,416	-128	-1.0%
23.5%	13,316	13,060	-256	-1.9%
24.7%	13,198	12,962	-237	-1.8%
25.9%	13,095	12,878	-216	-1.7%
27.2%	13,015	12,750	-264	-2.0%
28.4%	12,968	12,736	-232	-1.8%
29.6%	12,964	12,692	-272	-2.1%
30.9%	12,689	12,496	-192	-1.5%
32.1%	12,584	12,433	-152	-1.2%
33.3%	12,522	12,345	-177	-1.4%
34.6%	12,513	12,312	-201	-1.6%
35.8%	12,484	12,297	-187	-1.5%
37.0%	12,202	12,162	-40	-0.3%
38.3%	12,190	12,089	-101	-0.8%
39.5%	11,694	12,059	365	3.1%
40.7%	11,636	12,000	364	3.1%
42.0%	11,635	11,626	-9	-0.1%
43.2%	11,502	11,462	-40	-0.3%
44.4%	11,375	11,377	2	0.0%
45.7%	11,273	11,339	66	0.6%
46.9%	11,246	11,240	-6	-0.1%
48.1%	11,197	11,193	-3	0.0%
49.4%	11,196	11,173	-23	-0.2%
50.6%	11,157	11,168	8	0.1%
51.9%	11,112	11,164	53	0.5%
53.1%	11,046	11,099	53	0.5%
54.3%	11,034	11,070	36	0.3%
55.6%	10,922	10,849	-73	-0.7%
56.8%	10,921	10,780	-161	-1.5%
58.0%	10,879	10,756	-123	-1.1%
59.3%	10,536	10,737	202	1.9%
60.5%	10,532	10,613	81	0.8%
61.7%	10,461	10,543	82	0.8%
63.0%	10,362	10,451	89	0.9%
64.2%	10,251	10,410	159	1.5%
65.4%	10,243	10,028	-215	-2.1%
66.7%	10,074	9,979	-95	-0.9%
67.9%	9,993	9,948	-47	-0.5%
69.1%	9,964	9,815	-149	-1.5%
70.4%	9,929	9,725	-205	-2.1%
71.6%	9,746	9,709	-37	-0.4%
72.8%	9,675	9,644	-31	-0.3%
74.1%	9,435	9,543	108	1.1%
75.3%	9,067	9,434	368	4.1%
76.5%	8,807	9,895	1,088	12.3%
77.8%	8,806	8,891	85	1.0%
79.0%	8,738	8,832	94	1.1%
80.2%	8,660	8,664	3	0.0%
81.5%	8,605	8,517	-88	-1.0%
82.7%	8,375	8,390	15	0.2%
84.0%	8,174	8,171	-3	0.0%
85.2%	7,939	7,855	-84	-1.1%
86.4%	7,909	7,630	-280	-3.5%
87.7%	7,714	7,615	-100	-1.3%
88.9%	7,109	7,548	439	6.2%
90.1%	6,383	7,242	859	13.5%
91.4%	6,383	6,136	-247	-3.9%
92.6%	6,263	6,420	157	2.5%
93.8%	6,262	6,304	42	0.7%
95.1%	5,528	6,940	1,412	25.5%
96.3%	5,471	5,795	324	5.9%
97.5%	5,058	5,484	426	8.4%
98.8%	4,507	5,345	838	18.6%
100.0%	4,499	5,376	877	19.5%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,604	-21	-0.2%
9.9%	13,625	13,603	-22	-0.2%
11.1%	13,625	13,596	-29	-0.2%
12.3%	13,625	13,579	-46	-0.3%
13.8%	13,604	13,566	-38	-0.3%
14.8%	13,603	13,543	-60	-0.4%
16.0%	13,596	13,537	-59	-0.4%
17.3%	13,579	13,494	-86	-0.6%
18.5%	13,566	13,472	-94	-0.7%
19.8%	13,516	13,426	-89	-0.7%
21.0%	13,433	13,397	-36	-0.3%
22.2%	13,423	13,343	-80	-0.6%
23.5%	13,300	13,192	-108	-0.8%
24.7%	13,282	13,108	-173	-1.3%
25.9%	13,208	12,980	-228	-1.7%
27.2%	13,192	12,936	-256	-1.9%
28.4%	13,188	12,921	-267	-2.0%
29.6%	13,054	12,844	-210	-1.6%
30.9%	13,041	12,817	-224	-1.7%
32.1%	13,037	12,762	-275	-2.1%
33.3%	12,746	12,608	-138	-1.1%
34.6%	12,369	12,321	-49	-0.4%
35.8%	12,348	12,168	-180	-1.5%
37.0%	12,231	12,154	-77	-0.6%
38.3%	12,064	12,118	54	0.4%
39.5%	11,967	11,921	-46	-0.4%
40.7%	11,858	11,900	241	2.1%
42.0%	11,599	11,802	263	2.3%
43.2%	11,575	11,840	265	2.3%
44.4%	11,530	11,510	-20	-0.2%
45.7%	11,414	11,416	2	0.0%
46.9%	11,365	11,411	46	0.4%
48.1%	11,201	11,213	12	0.1%
49.4%	11,105	11,201	96	0.9%
50.6%	11,087	11,117	29	0.3%
51.9%	11,054	11,116	62	0.6%
53.1%	11,020	11,073	53	0.5%
54.3%	11,007	11,059	52	0.5%
55.6%	10,972	11,032	60	0.6%
56.8%	10,868	11,021	123	1.1%
58.0%	10,868	10,990	123	1.1%
59.3%	10,709	10,885	175	1.6%
60.5%	10,590	10,730	140	1.3%
61.7%	10,576	10,472	-105	-1.0%
63.0%	10,431	10,446	15	0.1%
64.2%	10,380	10,443	62	0.6%
65.4%	10,322	10,368	46	0.4%
66.7%	10,028	10,167	140	1.4%
67.9%	10,019	9,878	-141	-1.4%
69.1%	9,916	9,787	-129	-1.3%
70.4%	9,903	9,777	-126	-1.3%
71.6%	9,813	9,754	-59	-0.6%
72.8%	9,763	9,728	-35	-0.4%
74.1%	9,752	9,631	-122	-1.2%
75.3%	9,602	9,602	-1	0.0%
76.5%	9,208	9,405	197	2.1%
77.8%	8,808	9,246	437	5.0%
79.0%	8,701	8,894	192	2.2%
80.2%	8,605	8,862	256	3.0%
81.5%	8,558	8,562	3	0.0%
82.7%	8,512	8,527	15	0.2%
84.0%	8,501	8,519	18	0.2%
85.2%	8,452	8,455	3	0.0%
86.4%	7,805	7,525	-280	-3.6%
87.7%	7,598	7,499	-99	-1.3%
88.9%	6,995	7,434	439	6.3%
90.1%	6,782	7,047	265	3.9%
91.4%	6,347	7,039	692	10.9%
92.6%	6,330	6,360	30	0.5%
93.8%	6,205	6,268	63	1.0%
95.1%	5,455	5,622	168	3.1%
96.3%	5,412	5,551	139	2.6%
97.5%	5,058	5,471	451	9.0%
98.8%	4,961	5,471	510	10.3%
100.0%	4,713	5,376	663	14.1%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.8%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,608	-17	-0.1%
18.5%	13,625	13,601	-24	-0.2%
19.8%	13,613	13,586	-26	-0.2%
21.0%	13,561	13,584	23	0.2%
22.2%	13,550	13,550	-24	-0.2%
23.5%	13,506	13,469	-37	-0.3%
24.7%	13,483	13,408	-75	-0.6%
25.9%	13,438	13,349	-89	-0.7%
27.2%	13,373	13,261	-112	-0.8%
28.4%	13,311	13,178	-134	-1.0%
29.6%	13,306	13,115	-192	-1.4%
30.9%	13,305	13,076	-229	-1.7%
32.1%	13,281	13,076	-206	-1.5%
33.3%	13,252	13,071	-181	-1.4%
34.6%	13,214	13,008	-206	-1.6%
35.8%	13,198	12,958	-240	-1.8%
37.0%	12,948	12,788	-160	-1.2%
38.3%	12,883	12,770	-113	-0.9%
39.5%	12,820	12,766	-54	-0.4%
40.7%	12,703	12,463	-240	-1.9%
42.0%	12,371	12,398	27	0.2%
43.2%	12,383	12,220	-163	-1.3%
44.4%	12,283	12,101	-181	-1.5%
45.7%	11,997	12,082	85	0.7%
46.9%	11,913	11,963	49	0.4%
48.1%	11,785	11,908	124	1.1%
49.4%	11,742	11,876	134	1.1%
50.6%	11,526	11,774	248	2.2%
51.9%	11,425	11,516	91	0.8%
53.1%	11,155	11,474	319	2.9%
54.3%	11,147	11,457	310	2.8%
55.6%	11,083	11,427	345	3.1%
56.8%	11,063	11,331	268	2.4%
58.0%	11,010	11,104	94	0.9%
59.3%	10,964	11,074	110	1.0%
60.5%	10,954	11,070	116	1.1%
61.7%	10,933	11,015	82	0.8%
63.0%	10,917	11,006	89	0.8%
64.2%	10,866	10,900	34	0.3%
65.4%	10,784	10,879	95	0.9%
66.7%	10,736	10,833	96	0.9%
67.9%	10,431	10,779	347	3.3%
69.1%	10,259	10,652	394	3.8%
70.4%	10,201	10,059	-142	-1.4%
71.6%	10,080	9,968	-92	-0.9%
72.8%	9,981	9,832	-149	-1.5%
74.1%	9,970	9,832	-138	-1.4%
75.3%	9,809	9,821	12	0.1%
76.5%	9,497	9,773	276	2.9%
77.8%	9,195	9,645	450	4.9%
79.0%	9,203	9,253	230	2.5%
80.2%	8,821	9,014	192	2.2%
81.5%	8,774	8,636	-138	-1.6%
82.7%	8,621	8,485	-135	-1.6%
84.0%	8,459	8,459	-1	0.0%
85.2%	8,455	8,361	-94	-1.1%
86.4%	7,775			

Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	14,501	-632	-4.2%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,268	14,259	-9	-0.1%
23.5%	14,265	14,244	-21	-0.1%
24.7%	14,259	14,232	-27	-0.2%
25.9%	14,244	14,212	-33	-0.2%
27.2%	14,232	14,173	-59	-0.4%
28.4%	14,196	14,040	-65	-0.5%
29.6%	14,100	14,039	-61	-0.4%
30.9%	14,070	13,980	-90	-0.6%
32.1%	14,049	13,948	-101	-0.7%
33.3%	13,913	13,879	-35	-0.2%
34.6%	13,896	13,859	-27	-0.2%
35.8%	13,800	13,648	-152	-1.1%
37.0%	13,619	13,627	8	0.1%
38.3%	13,589	13,614	25	0.2%
39.5%	13,585	13,440	-145	-1.1%
40.7%	13,568	13,378	-190	-1.4%
42.0%	13,410	13,260	-149	-1.1%
43.2%	13,387	13,184	-203	-1.5%
44.4%	13,302	13,162	-140	-1.1%
45.7%	13,245	13,145	-100	-0.8%
46.9%	13,236	13,128	-108	-0.8%
48.1%	13,175	13,069	-106	-0.8%
49.4%	13,129	12,964	-165	-1.3%
50.6%	12,858	12,905	48	0.4%
51.9%	12,837	12,832	-6	0.0%
53.1%	12,776	12,732	-45	-0.4%
54.3%	12,586	12,657	70	0.6%
55.6%	12,480	12,646	66	0.5%
56.8%	12,461	12,514	53	0.4%
58.0%	12,403	12,501	98	0.8%
59.3%	12,107	12,445	338	2.8%
60.5%	12,061	12,405	345	2.9%
61.7%	12,018	12,181	164	1.4%
63.0%	11,930	12,157	227	1.9%
64.2%	11,793	11,669	-124	-1.1%
65.4%	11,677	11,645	-32	-0.3%
66.7%	11,568	11,644	76	0.7%
67.9%	11,433	11,578	145	1.3%
69.1%	11,324	11,485	161	1.4%
70.4%	11,297	11,479	182	1.6%
71.6%	11,237	11,323	86	0.8%
72.8%	11,234	11,311	77	0.7%
74.1%	11,101	11,150	49	0.4%
75.3%	10,636	11,019	383	3.6%
76.5%	10,486	10,809	324	3.1%
77.8%	10,166	10,538	372	3.7%
79.0%	9,923	10,073	150	1.5%
80.2%	9,765	10,060	295	3.0%
81.5%	9,633	9,944	311	3.2%
82.7%	9,343	9,130	-214	-2.3%
84.0%	9,227	9,054	-173	-1.9%
85.2%	8,944	8,959	15	0.2%
86.4%	8,875	8,951	76	0.9%
87.7%	8,805	8,949	344	4.0%
88.9%	8,085	8,468	383	4.7%
90.1%	7,968	8,007	39	0.5%
91.4%	7,630	7,815	185	2.4%
92.6%	7,298	7,350	52	0.7%
93.8%	7,274	7,303	30	0.4%
95.1%	7,094	7,257	163	2.3%
96.3%	6,860	6,718	-141	-2.1%
97.5%	6,173	6,402	229	3.7%
98.8%	5,817	5,859	42	0.7%
100.0%	4,914	5,330	416	8.5%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,679	-21	-0.1%
27.2%	14,700	14,638	-64	-0.4%
28.4%	14,700	14,614	-86	-0.6%
29.6%	14,700	14,613	-87	-0.6%
30.9%	14,684	14,606	-78	-0.5%
32.1%	14,676	14,588	-88	-0.6%
33.3%	14,614	14,518	-96	-0.7%
34.6%	14,606	14,516	-90	-0.6%
35.8%	14,566	14,514	-53	-0.4%
37.0%	14,516	14,477	-39	-0.3%
38.3%	14,474	14,442	-32	-0.2%
39.5%	14,364	14,366	2	0.0%
40.7%	14,154	14,320	167	1.2%
42.0%	14,105	14,144	39	0.3%
43.2%	14,059	13,988	-61	-0.4%
44.4%	14,002	13,905	-97	-0.7%
45.7%	13,871	13,841	-30	-0.2%
46.9%	13,720	13,715	-6	0.0%
48.1%	13,700	13,676	-23	-0.2%
49.4%	13,660	13,631	-29	-0.2%
50.6%	13,518	13,572	54	0.4%
51.9%	13,474	13,477	3	0.0%
53.1%	13,468	13,456	-11	-0.1%
54.3%	13,308	13,343	36	0.3%
55.6%	13,289	13,193	-96	-0.8%
56.8%	13,258	13,084	-174	-1.5%
58.0%	13,075	13,052	-23	-0.2%
59.3%	12,822	13,049	227	1.8%
60.5%	12,736	12,669	-67	-0.5%
61.7%	12,727	12,665	-62	-0.5%
63.0%	12,692	12,656	-36	-0.3%
64.2%	12,588	12,620	32	0.3%
65.4%	12,555	12,596	41	0.3%
66.7%	12,262	12,510	248	2.0%
67.9%	12,122	12,198	73	0.6%
69.1%	11,967	12,089	122	1.0%
70.4%	11,918	12,062	145	1.2%
71.6%	11,627	12,033	405	3.5%
72.8%	11,617	11,979	362	3.1%
74.1%	11,530	11,779	249	2.2%
75.3%	11,446	11,628	181	1.6%
76.5%	11,243	11,258	15	0.1%
77.8%	11,053	11,161	108	1.0%
79.0%	10,958	11,066	108	1.0%
80.2%	10,481	10,859	378	3.6%
81.5%	10,400	10,651	251	2.4%
82.7%	10,019	10,388	370	3.7%
84.0%	9,892	10,013	121	1.2%
85.2%	9,616	9,928	312	3.2%
86.4%	9,586	9,857	271	2.8%
87.7%	9,498	9,624	126	1.3%
88.9%	8,862	8,857	-5	-0.1%
90.1%	8,783	8,784	1	0.0%
91.4%	8,355	8,331	-25	-0.3%
92.6%	8,297	8,229	-68	-0.8%
93.8%	8,260	7,927	-333	-4.0%
95.1%	8,122	7,845	-277	-3.4%
96.3%	7,573	7,783	210	2.8%
97.5%	6,982	6,927	-55	-0.8%
98.8%	6,348	6,816	468	7.4%
100.0%	5,714	6,125	411	7.2%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,500	15,500	0	0.0%
12.3%	15,433	15,433	0	0.0%
13.6%	15,433	15,433	0	0.0%
14.8%	15,433	15,433	0	0.0%
16.0%	15,412	15,412	0	0.0%
17.3%	15,402	15,402	0	0.0%
18.5%	15,375	15,387	12	0.1%
19.8%	15,363	15,375	13	0.1%
21.0%	15,346	15,363	16	0.1%
22.2%	15,336	15,342	6	0.0%
23.5%	15,330	15,330	0	0.0%
24.7%	15,316	15,318	2	0.0%
25.9%	15,274	15,235	-39	-0.3%
27.2%	15,269	15,199	-70	-0.5%
28.4%	15,235	15,179	-56	-0.4%
29.6%	15,205	15,173	-33	-0.2%
30.9%	15,199	15,170	-29	-0.2%
32.1%	15,198	15,121	-77	-0.5%
33.3%	15,173	15,120	-53	-0.4%
34.6%	15,170	15,116	-54	-0.4%
35.8%	15,121	15,110	-11	-0.1%
37.0%	15,064	15,082	17	0.1%
38.3%	14,961	15,064	103	0.7%
39.5%	14,946	14,976	30	0.2%
40.7%	14,766	14,946	179	1.2%
42.0%	14,709	14,709	0	0.0%
43.2%	14,708	14,793	85	0.6%
44.4%	14,673	14,684	11	0.1%
45.7%	14,567	14,654	87	0.6%
46.9%	14,471	14,463	-8	-0.1%
48.1%	14,428	14,458	30	0.2%
49.4%	14,290	14,202	-88	-0.6%
50.6%	14,231	14,137	-94	-0.7%
51.9%	14,178	14,125	-53	-0.4%
53.1%	13,932	14,119	186	1.3%
54.3%	13,927	14,046	118	0.9%
55.6%	13,896	13,825	-71	-0.5%
56.8%	13,803	13,808	5	0.0%
58.0%	13,795	13,675	-120	-0.9%
59.3%	13,718	13,592	-126	-0.9%
60.5%	13,664	13,520	-144	-1.1%
61.7%	13,443	13,415	-28	-0.2%
63.0%	13,366	13,260	-106	-0.8%
64.2%	13,355	13,255	-100	-0.7%
65.4%	13,238	13,202	-36	-0.3%
66.7%	13,214	13,166	-48	-0.4%
67.9%	12,728	13,031	303	2.4%
69.1%	12,585	12,687	102	0.8%
70.4%	12,483	12,649	166	1.3%
71.6%	12,459	12,646	187	1.5%
72.8%	12,402	12,617	215	1.7%
74.1%	12,212	12,401	189	1.5%
75.3%	12,158	12,233	75	0.6%
76.5%	12,066	12,171	104	0.9%
77.8%	11,872	12,130	258	2.2%
79.0%	11,657	11,960	303	2.6%
80.2%	11,278	11,884	607	5.4%
81.5%	11,260	11,743	484	4.3%
82.7%	10,786	11,603	818	7.6%
84.0%	10,736	10,649	-87	-0.8%
85.2%	10,577	10,484	-93	-0.9%



Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,021	-5	0.0%
6.2%	16,017	16,017	-8	-0.4%
7.4%	15,903	15,903	-8	-0.4%
8.6%	15,888	15,888	0	0.0%
9.9%	15,838	15,770	-68	-0.4%
11.1%	15,770	15,715	-54	-0.3%
12.3%	15,715	15,669	-46	-0.3%
13.6%	15,661	15,661	0	0.0%
14.8%	15,561	15,561	0	0.0%
16.0%	15,559	15,559	-3	0.0%
17.3%	15,526	15,526	0	0.0%
18.5%	15,518	15,518	0	0.0%
19.8%	15,442	15,451	9	0.1%
21.0%	15,436	15,358	-78	-0.5%
22.2%	15,358	15,358	-2	0.0%
23.5%	15,356	15,290	-66	-0.4%
24.7%	15,203	15,203	0	0.0%
25.9%	15,146	15,116	-30	-0.2%
27.2%	15,116	15,083	-33	-0.2%
28.4%	15,049	15,049	0	0.0%
29.6%	14,904	14,898	-6	0.0%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,590	14,565	-25	-0.2%
37.0%	14,472	14,518	46	0.3%
38.3%	14,445	14,512	67	0.5%
39.5%	14,352	14,362	10	0.1%
40.7%	14,170	14,170	0	0.0%
42.0%	14,065	14,141	76	0.5%
43.2%	13,926	14,005	79	0.6%
44.4%	13,852	13,950	97	0.7%
45.7%	13,851	13,926	75	0.5%
46.9%	13,795	13,803	8	0.1%
48.1%	13,727	13,865	-62	-0.5%
49.4%	13,688	13,644	-44	-0.3%
50.6%	13,673	13,634	-39	-0.3%
51.9%	13,554	13,603	48	0.4%
53.1%	13,379	13,600	221	1.7%
54.3%	13,342	13,431	89	0.7%
55.6%	13,273	13,348	75	0.6%
56.8%	13,239	13,331	92	0.7%
58.0%	13,215	13,274	59	0.4%
59.3%	13,104	13,189	85	0.6%
60.5%	13,091	13,144	52	0.4%
61.7%	13,050	13,122	72	0.5%
63.0%	12,995	12,942	-53	-0.4%
64.2%	12,962	12,941	-21	-0.2%
65.4%	12,860	12,923	63	0.5%
66.7%	12,662	12,898	236	1.9%
67.9%	12,629	12,797	168	1.3%
69.1%	12,603	12,708	104	0.8%
70.4%	12,393	12,630	237	1.9%
71.6%	12,340	12,552	212	1.7%
72.8%	12,317	12,538	222	1.8%
74.1%	12,252	12,203	-49	-0.4%
75.3%	11,880	12,087	227	1.9%
76.5%	11,689	11,688	-1	0.0%
77.8%	11,197	11,548	351	3.1%
79.0%	10,898	11,220	322	3.0%
80.2%	10,858	11,214	356	3.3%
81.5%	10,738	10,911	173	1.6%
82.7%	10,659	10,903	244	2.3%
84.0%	10,592	10,860	268	2.5%
85.2%	10,409	10,316	-92	-0.9%
86.4%	10,035	9,988	-47	-0.5%
87.7%	10,016	9,852	-164	-1.6%
88.9%	9,570	9,635	64	0.7%
90.1%	9,272	9,343	71	0.8%
91.4%	8,560	8,825	265	3.1%
92.6%	8,270	8,492	222	2.7%
93.8%	8,268	8,288	20	0.2%
95.1%	8,069	8,031	-38	-0.5%
96.3%	7,981	7,943	-38	-0.5%
97.5%	7,957	7,908	-49	-0.6%
98.8%	7,529	7,884	355	4.7%
100.0%	6,993	6,917	-76	-1.1%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,380	15,375	-5	0.0%
13.6%	15,373	15,205	-168	-1.1%
14.8%	15,348	15,196	-151	-1.0%
16.0%	15,318	15,179	-139	-0.9%
17.3%	15,179	15,165	-15	-0.1%
18.5%	15,165	15,047	-118	-0.8%
19.8%	15,047	15,004	-43	-0.3%
21.0%	15,004	14,981	-23	-0.2%
22.2%	14,799	14,799	0	0.0%
23.5%	14,778	14,778	0	0.0%
24.7%	14,659	14,585	-75	-0.5%
25.9%	14,585	14,568	-17	-0.1%
27.2%	14,569	14,506	-63	-0.4%
28.4%	14,568	14,538	-29	-0.2%
29.6%	14,354	14,348	-6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,139	0	0.0%
34.6%	14,100	14,100	0	0.0%
35.8%	13,990	13,996	6	0.0%
37.0%	13,963	13,942	-22	-0.2%
38.3%	13,810	13,867	57	0.4%
39.5%	13,575	13,622	47	0.3%
40.7%	13,439	13,687	248	1.8%
42.0%	13,359	13,535	176	1.3%
43.2%	13,298	13,298	0	0.0%
44.4%	13,139	13,273	134	1.0%
45.7%	13,068	13,144	76	0.6%
46.9%	13,021	13,141	120	0.9%
48.1%	13,004	13,139	135	1.0%
49.4%	12,881	12,850	-31	-0.2%
50.6%	12,864	12,870	6	0.0%
51.9%	12,706	12,844	139	1.1%
53.1%	12,684	12,709	25	0.2%
54.3%	12,599	12,618	19	0.2%
55.6%	12,557	12,598	41	0.3%
56.8%	12,548	12,562	15	0.1%
58.0%	12,440	12,471	32	0.3%
59.3%	12,429	12,454	25	0.2%
60.5%	12,364	12,410	46	0.4%
61.7%	12,304	12,384	80	0.6%
63.0%	12,261	12,375	114	0.9%
64.2%	12,223	12,343	120	1.0%
65.4%	12,169	12,261	92	0.8%
66.7%	11,952	12,235	283	2.4%
67.9%	11,927	12,011	84	0.7%
69.1%	11,849	11,823	-26	-0.2%
70.4%	11,832	11,807	-25	-0.2%
71.6%	11,470	11,790	320	2.8%
72.8%	11,391	11,469	78	0.7%
74.1%	11,157	11,210	53	0.5%
75.3%	11,131	10,934	-196	-1.8%
76.5%	10,885	10,885	-1	0.0%
77.8%	10,144	10,529	385	3.8%
79.0%	9,946	10,342	396	4.0%
80.2%	9,903	10,275	372	3.8%
81.5%	9,879	10,229	350	3.5%
82.7%	9,824	9,898	74	0.8%
84.0%	9,820	9,727	-93	-0.9%
85.2%	9,444	9,371	-74	-0.8%
86.4%	9,419	9,223	-196	-2.1%
87.7%	9,322	9,170	-152	-1.6%
88.9%	8,851	8,901	50	0.6%
90.1%	8,567	8,778	210	2.5%
91.4%	8,265	7,987	-278	-3.4%
92.6%	7,543	7,768	225	3.0%
93.8%	7,433	7,556	123	1.7%
95.1%	7,271	7,262	-9	-0.1%
96.3%	7,187	7,238	51	0.7%
97.5%	7,145	7,164	19	0.3%
98.8%	6,909	7,031	121	1.8%
100.0%	6,263	6,914	651	10.4%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,886	14,747	-139	-0.9%
14.8%	14,854	14,735	-119	-0.8%
16.0%	14,747	14,693	-54	-0.4%
17.3%	14,713	14,597	-116	-0.8%
18.5%	14,693	14,517	-175	-1.2%
19.8%	14,642	14,475	-168	-1.1%
21.0%	14,521	14,203	-318	-2.2%
22.2%	14,452	14,109	-343	-2.4%
23.5%	14,293	13,974	-319	-2.2%
24.7%	14,108	13,947	-160	-1.1%
25.9%	14,071	13,805	-265	-1.9%
27.2%	13,974	13,762	-211	-1.5%
28.4%	13,812	13,725	-87	-0.6%
29.6%	13,725	13,655	-70	-0.5%
30.9%	13,706	13,514	-192	-1.4%
32.1%	13,565	13,471	-94	-0.7%
33.3%	13,471	13,427	-44	-0.3%
34.6%	13,436	13,385	-51	-0.4%
35.8%	13,385	13,348	-39	-0.3%
37.0%	13,299	13,292	-7	0.0%
38.3%	13,291	13,176	-116	-0.9%
39.5%	12,888	12,915	28	0.2%
40.7%	12,699	12,804	106	0.8%
42.0%	12,627	12,795	168	1.3%
43.2%	12,660	12,710	149	1.2%
44.4%	12,456	12,694	238	1.9%
45.7%	12,382	12,477	95	0.8%
46.9%	12,318	12,456	138	1.1%
48.1%	12,292	12,283	-9	-0.1%
49.4%	12,131	12,230	99	0.8%
50.6%	12,106	12,143	37	0.3%
51.9%	11,911	12,092	181	1.5%
53.1%	11,910	11,772	-138	-1.2%
54.3%	11,801	11,730	-71	-0.6%
55.6%	11,752	11,716	-36	-0.3%
56.8%	11,712	11,684	-28	-0.2%
58.0%	11,532	11,629	97	0.8%
59.3%	11,503	11,609	106	0.9%
60.5%	11,460	11,594	134	1.2%
61.7%	11,276	11,542	267	2.4%
63.0%	11,233	11,522	289	2.6%
64.2%	11,217	11,242	25	0.2%
65.4%	11,205	11,135	-69	-0.6%
66.7%	11,167	11,122	-45	-0.4%
67.9%	11,014	11,031	17	0.2%
69.1%	10,978	10,916	-60	-0.5%
70.4%	10,717	10,873	155	1.5%
71.6%	10,628	10,865	237	2.2%
72.8%	10,188	10,718	530	5.2%
74.1%	10,159	10,435	276	2.7%
75.3%	10,083	10,151	68	0.7%
76.5%	10,049	9,852	-197	-2.0%
77.8%	9,421	9,537	116	1.2%
79.0%	9,414	9,533	119	1.3%
80.2%	9,290	9,418	127	1.4%
81.5%	9,262	9,145	-117	-1.3%
82.7%	9,145	9,121	-23	-0.3%
84.0%	9,130	9,071	-59	-0.6%
85.2%	8,719	8,567	-152	-1.7%
86.4%	8,			

Table SW-04-a  
Trinity River below Lewiston Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	373	360	499	654	636	587	559	3,779	2,091	923	450	450
DCR 2015 With Project	373	354	464	629	639	543	550	3,779	2,091	923	450	450
Difference	0	-6	-34	-26	3	-44	-9	0	0	0	0	0
Percent Difference <sup>2</sup>	0.0%	-1.7%	-6.9%	-3.9%	0.4%	-7.5%	-1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	373	300	778	1,411	1,030	1,131	642	4,636	3,318	1,289	450	450
DCR 2015 With Project	373	300	670	1,337	1,053	993	614	4,636	3,318	1,289	450	450
Difference	0	0	-108	-74	22	-139	-28	0	0	0	0	0
Percent Difference	0.0%	0.0%	-13.9%	-5.2%	2.2%	-12.3%	-4.3%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	373	713	621	316	760	436	469	4,462	2,488	1,048	450	450
DCR 2015 With Project	373	670	621	300	731	436	469	4,462	2,488	1,048	450	450
Difference	0	-43	0	-16	-29	0	0	0	0	0	0	0
Percent Difference	0.0%	-6.0%	0.0%	-4.9%	-3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	373	300	300	300	517	319	507	3,774	1,672	869	450	450
DCR 2015 With Project	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	373	300	300	300	300	300	529	3,216	1,251	667	450	450
DCR 2015 With Project	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	373	300	300	300	300	300	575	2,092	783	450	450	450
DCR 2015 With Project	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

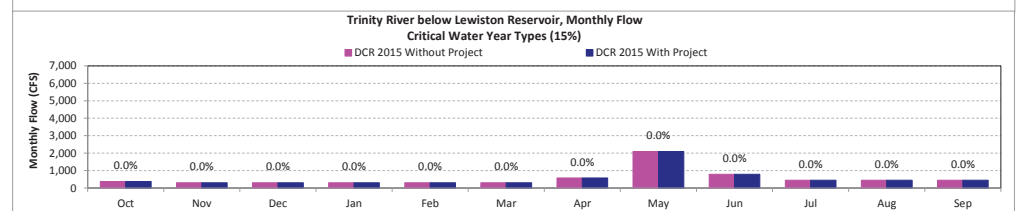
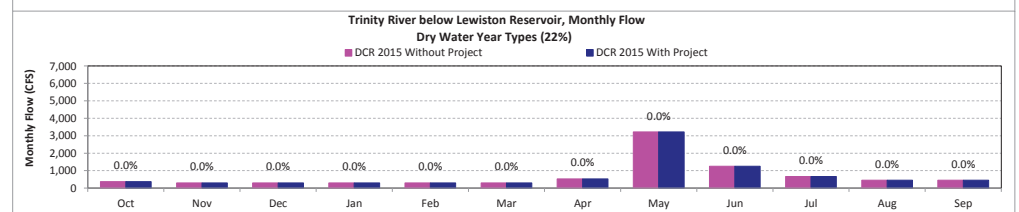
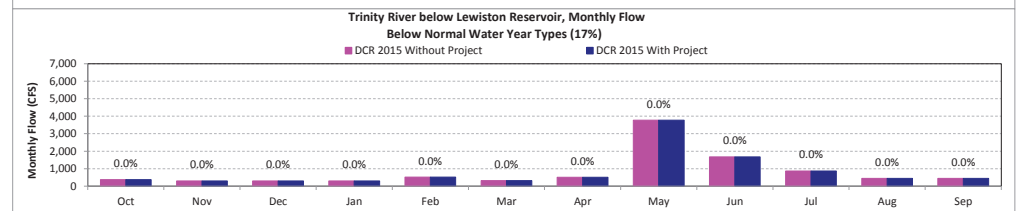
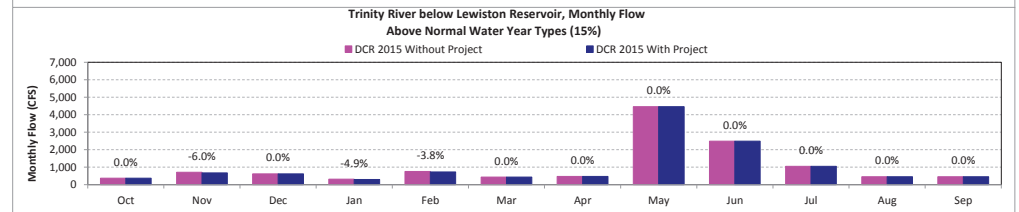
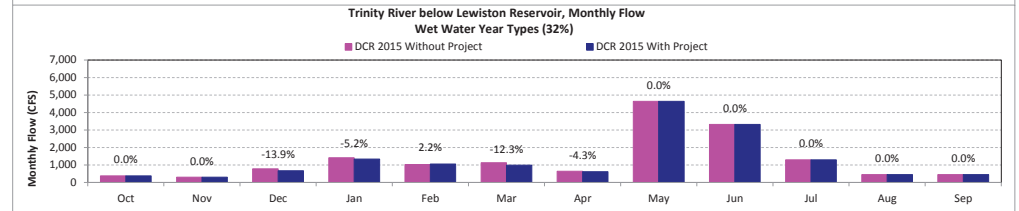
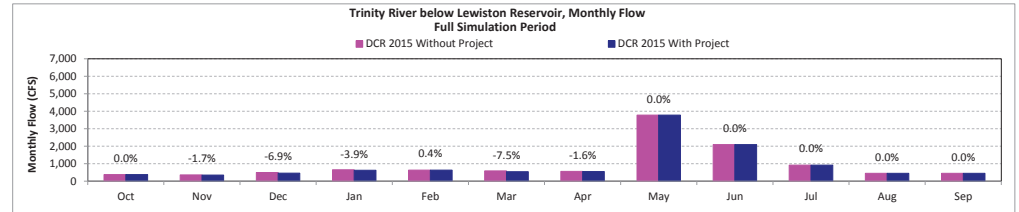


Figure SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

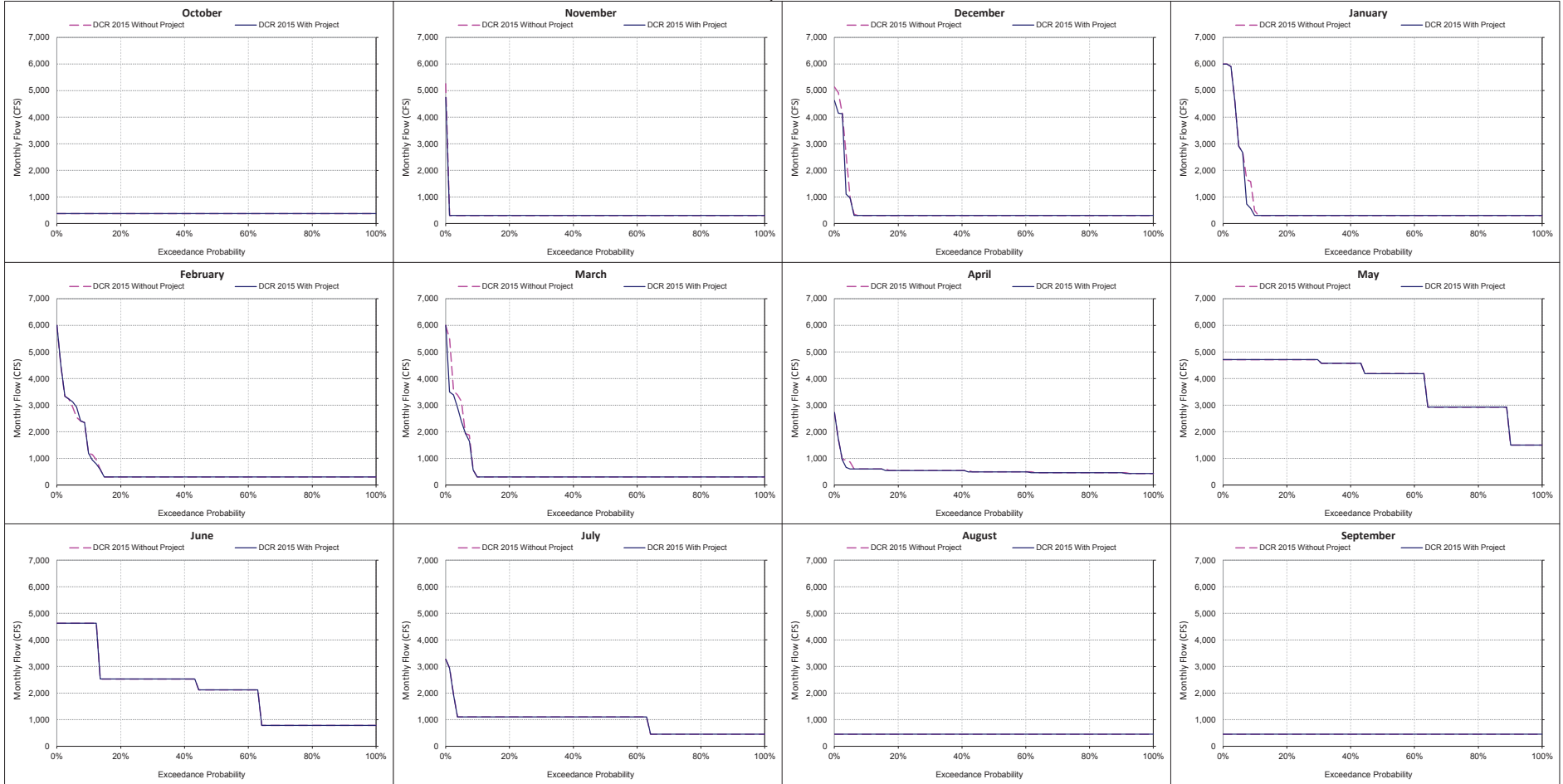


Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	373	373	0	0.0%	
1.2%	373	373	0	0.0%	
2.5%	373	373	0	0.0%	
3.7%	373	373	0	0.0%	
4.9%	373	373	0	0.0%	
6.2%	373	373	0	0.0%	
7.4%	373	373	0	0.0%	
8.6%	373	373	0	0.0%	
9.9%	373	373	0	0.0%	
11.1%	373	373	0	0.0%	
12.3%	373	373	0	0.0%	
13.6%	373	373	0	0.0%	
14.8%	373	373	0	0.0%	
16.0%	373	373	0	0.0%	
17.3%	373	373	0	0.0%	
18.5%	373	373	0	0.0%	
19.8%	373	373	0	0.0%	
21.0%	373	373	0	0.0%	
22.2%	373	373	0	0.0%	
23.5%	373	373	0	0.0%	
24.7%	373	373	0	0.0%	
25.9%	373	373	0	0.0%	
27.2%	373	373	0	0.0%	
28.4%	373	373	0	0.0%	
29.6%	373	373	0	0.0%	
30.9%	373	373	0	0.0%	
32.1%	373	373	0	0.0%	
33.3%	373	373	0	0.0%	
34.6%	373	373	0	0.0%	
35.8%	373	373	0	0.0%	
37.0%	373	373	0	0.0%	
38.3%	373	373	0	0.0%	
39.5%	373	373	0	0.0%	
40.7%	373	373	0	0.0%	
42.0%	373	373	0	0.0%	
43.2%	373	373	0	0.0%	
44.4%	373	373	0	0.0%	
45.7%	373	373	0	0.0%	
46.9%	373	373	0	0.0%	
48.1%	373	373	0	0.0%	
49.4%	373	373	0	0.0%	
50.6%	373	373	0	0.0%	
51.9%	373	373	0	0.0%	
53.1%	373	373	0	0.0%	
54.3%	373	373	0	0.0%	
55.6%	373	373	0	0.0%	
56.8%	373	373	0	0.0%	
58.0%	373	373	0	0.0%	
59.3%	373	373	0	0.0%	
60.5%	373	373	0	0.0%	
61.7%	373	373	0	0.0%	
63.0%	373	373	0	0.0%	
64.2%	373	373	0	0.0%	
65.4%	373	373	0	0.0%	
66.7%	373	373	0	0.0%	
67.9%	373	373	0	0.0%	
69.1%	373	373	0	0.0%	
70.4%	373	373	0	0.0%	
71.6%	373	373	0	0.0%	
72.8%	373	373	0	0.0%	
74.1%	373	373	0	0.0%	
75.3%	373	373	0	0.0%	
76.5%	373	373	0	0.0%	
77.8%	373	373	0	0.0%	
79.0%	373	373	0	0.0%	
80.2%	373	373	0	0.0%	
81.5%	373	373	0	0.0%	
82.7%	373	373	0	0.0%	
84.0%	373	373	0	0.0%	
85.2%	373	373	0	0.0%	
86.4%	373	373	0	0.0%	
87.7%	373	373	0	0.0%	
88.9%	373	373	0	0.0%	
90.1%	373	373	0	0.0%	
91.4%	373	373	0	0.0%	
92.6%	373	373	0	0.0%	
93.8%	373	373	0	0.0%	
95.1%	373	373	0	0.0%	
96.3%	373	373	0	0.0%	
97.5%	373	373	0	0.0%	
98.8%	373	373	0	0.0%	
100.0%	373	373	0	0.0%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	5,261	4,745	-516	-9.8%	
1.2%	300	300	0	0.0%	
2.5%	300	300	0	0.0%	
3.7%	300	300	0	0.0%	
4.9%	300	300	0	0.0%	
6.2%	300	300	0	0.0%	
7.4%	300	300	0	0.0%	
8.6%	300	300	0	0.0%	
9.9%	300	300	0	0.0%	
11.1%	300	300	0	0.0%	
12.3%	300	300	0	0.0%	
13.6%	300	300	0	0.0%	
14.8%	300	300	0	0.0%	
16.0%	300	300	0	0.0%	
17.3%	300	300	0	0.0%	
18.5%	300	300	0	0.0%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	5,139	4,627	-513	-10.0%	
1.2%	4,922	4,150	-772	-15.7%	
2.5%	4,150	4,133	-17	-0.4%	
3.7%	2,557	1,106	-1,451	-56.8%	
4.9%	964	964	0	0.0%	
6.2%	349	300	-49	-14.1%	
7.4%	300	300	0	0.0%	
8.6%	300	300	0	0.0%	
9.9%	300	300	0	0.0%	
11.1%	300	300	0	0.0%	
12.3%	300	300	0	0.0%	
13.6%	300	300	0	0.0%	
14.8%	300	300	0	0.0%	
16.0%	300	300	0	0.0%	
17.3%	300	300	0	0.0%	
18.5%	300	300	0	0.0%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

||
||
||

Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,335	0	0.0%
3.7%	3,238	3,238	0	0.0%
4.9%	2,931	3,123	191	6.5%
6.2%	2,542	2,931	389	15.3%
7.4%	2,407	2,407	0	0.0%
8.6%	2,347	2,347	0	0.0%
9.9%	1,194	1,194	0	0.0%
11.1%	1,138	942	-197	-17.3%
12.3%	942	792	-150	-16.0%
13.6%	583	583	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	3,500	-1,982	-36.2%
2.5%	3,531	3,588	+145	+4.1%
3.7%	3,386	2,914	-472	-13.9%
4.9%	3,138	2,375	-763	-24.3%
6.2%	1,933	1,933	0	0.0%
7.4%	1,877	1,636	-241	-12.8%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	942	-10	-1.0%
3.7%	942	658	-284	-30.2%
4.9%	858	600	-258	-30.1%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	600	540	-60	-10.0%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	540	493	-47	-8.7%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	493	460	-33	-6.7%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	427	427	-33	-7.2%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

Percent Exceedance Probability	May		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709		

Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%

Table SW-05-a  
Clear Creek Tunnel, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	964	353	292	446	92	274	409	190	563	1,795	1,888	1,659
DCR 2015 With Project	898	336	280	442	141	272	380	168	552	1,842	2,019	1,723
Difference	-66	-17	-13	-4	49	-2	-30	-23	-11	47	131	64
Percent Difference <sup>2</sup>	-6.8%	-4.9%	-4.4%	-0.8%	52.6%	-0.7%	-7.3%	-11.9%	-1.9%	2.6%	6.9%	3.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,554	548	582	435	81	353	493	285	422	1,783	1,693	2,236
DCR 2015 With Project	1,551	547	587	431	197	342	479	281	444	1,836	1,867	2,261
Difference	-3	-1	5	-4	115	-11	-14	-4	22	53	174	25
Percent Difference	-0.2%	-0.2%	0.8%	-0.9%	-3.0%	-2.9%	-1.5%	5.2%	3.0%	10.3%	1.1%	
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,095	497	324	269	58	302	581	0	163	1,356	1,875	1,958
DCR 2015 With Project	1,014	454	253	231	79	274	571	0	273	1,348	2,313	2,038
Difference	-82	-43	-71	-39	21	-28	-10	0	109	-8	438	80
Percent Difference	-7.4%	-8.6%	-21.8%	-14.4%	3.6%	-9.1%	-1.7%	0.0%	67.1%	-0.6%	23.3%	4.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	536	186	83	328	76	400	304	68	559	1,609	1,912	1,342
DCR 2015 With Project	532	104	64	359	91	417	232	68	528	1,559	1,804	1,607
Difference	-3	-82	-19	30	15	18	-72	0	-32	-50	-108	265
Percent Difference	-0.6%	-44.2%	-22.6%	9.2%	19.2%	4.4%	-23.7%	0.0%	-5.7%	-3.1%	-5.7%	19.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	614	303	109	418	153	110	244	231	1,024	2,193	2,146	1,409
DCR 2015 With Project	619	241	89	402	175	130	238	209	872	2,332	2,203	1,474
Difference	5	-62	-20	-17	22	19	-5	-22	-152	139	56	65
Percent Difference	0.8%	-20.4%	-17.9%	-4.0%	14.1%	17.5%	-2.2%	-9.6%	-14.9%	6.3%	2.6%	4.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	579	60	152	823	78	172	427	257	578	1,879	1,908	856
DCR 2015 With Project	216	175	177	836	90	159	358	144	613	1,943	2,032	750
Difference	-363	115	24	12	13	-12	-69	-112	35	64	124	-106
Percent Difference	-62.7%	16.1%	1.5%	16.0%	16.7%	-7.3%	-16.2%	-43.8%	6.1%	3.4%	6.5%	-12.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

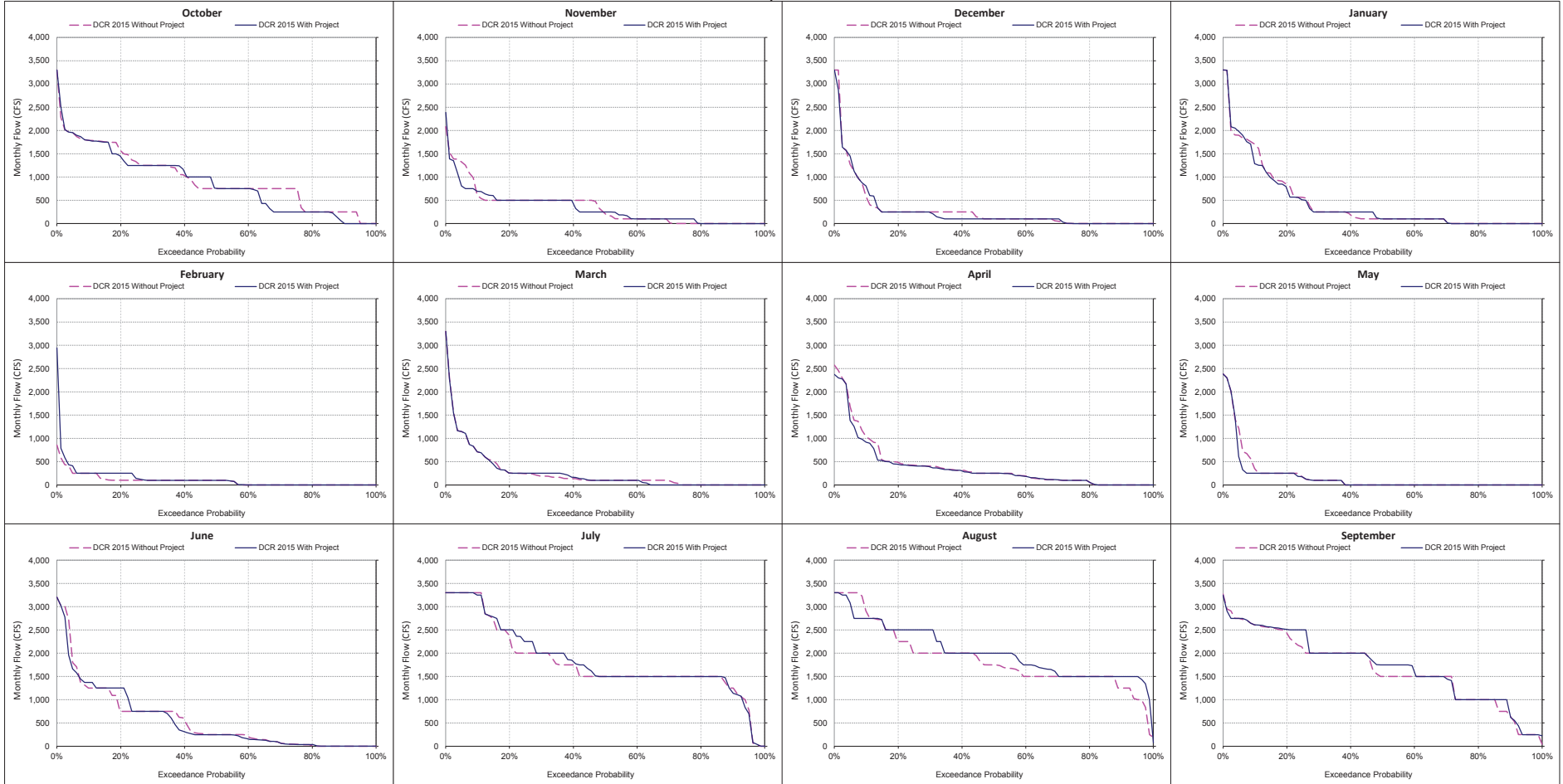




Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,296	2,500	214	9.4%
2.5%	2,019	2,019	0	0.0%
3.7%	1,969	1,969	0	0.0%
4.9%	1,956	1,956	0	0.0%
6.2%	1,870	1,897	27	1.4%
7.4%	1,825	1,870	45	2.5%
8.6%	1,803	1,803	0	0.0%
9.9%	1,787	1,787	0	0.0%
11.1%	1,786	1,772	-14	-0.8%
12.3%	1,772	1,770	-2	-0.1%
13.6%	1,770	1,758	-12	-0.7%
14.8%	1,758	1,749	-9	-0.5%
16.0%	1,749	1,747	-2	-0.1%
17.3%	1,747	1,500	-247	-14.1%
18.5%	1,744	1,500	-244	-14.0%
19.8%	1,577	1,458	-119	-7.6%
21.0%	1,498	1,344	-154	-10.3%
22.2%	1,483	1,250	-233	-15.7%
23.5%	1,368	1,250	-118	-8.6%
24.7%	1,334	1,250	-84	-6.3%
25.9%	1,266	1,250	-16	-1.2%
27.2%	1,250	1,250	0	0.0%
28.4%	1,250	1,250	0	0.0%
29.6%	1,250	1,250	0	0.0%
30.9%	1,250	1,250	0	0.0%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,250	0	0.0%
35.8%	1,213	1,250	37	3.0%
37.0%	1,197	1,250	53	4.4%
38.3%	1,053	1,242	188	17.9%
39.5%	1,050	1,169	119	11.3%
40.7%	1,000	1,000	0	0.0%
42.0%	946	1,000	54	5.7%
43.2%	829	1,000	171	20.6%
44.4%	750	1,000	250	33.3%
45.7%	750	1,000	250	33.3%
46.9%	750	1,000	250	33.3%
48.1%	750	1,000	250	33.3%
49.4%	750	761	11	1.4%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	726	-24	-3.2%
63.0%	750	701	-49	-6.5%
64.2%	750	433	-317	-42.3%
65.4%	750	433	-317	-42.3%
66.7%	750	320	-430	-57.3%
67.9%	750	250	-500	-66.7%
69.1%	750	250	-500	-66.7%
70.4%	750	250	-500	-66.7%
71.6%	750	250	-500	-66.7%
72.8%	750	250	-500	-66.7%
74.1%	750	250	-500	-66.7%
75.3%	750	250	-500	-66.7%
76.5%	343	250	-93	-27.1%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	227	-23	-9.0%
87.7%	250	144	-106	-42.5%
88.9%	250	66	-184	-73.6%
90.1%	250	0	-250	-100.0%
91.4%	250	0	-250	-100.0%
92.6%	250	0	-250	-100.0%
93.8%	250	0	-250	-100.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,387	305	14.7%
1.2%	1,522	1,389	-133	-8.7%
2.5%	1,389	1,352	-37	-2.7%
3.7%	1,384	1,086	-297	-21.5%
4.9%	1,326	810	-515	-38.9%
6.2%	1,255	750	-505	-40.3%
7.4%	1,086	750	-336	-31.0%
8.6%	866	750	-236	-27.5%
9.9%	606	696	90	14.8%
11.1%	539	687	148	27.5%
12.3%	500	635	135	26.9%
13.6%	500	606	106	21.3%
14.8%	500	600	100	20.0%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	500	0	0.0%
37.0%	500	500	0	0.0%
38.3%	500	500	0	0.0%
39.5%	500	500	0	0.0%
40.7%	500	325	-175	-35.0%
42.0%	500	250	-250	-50.0%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	250	-250	-50.0%
46.9%	479	250	-229	-47.8%
48.1%	326	250	-76	-23.3%
49.4%	250	250	0	0.0%
50.6%	171	250	79	46.3%
51.9%	162	250	88	53.9%
53.1%	106	242	136	129.0%
54.3%	103	187	84	81.9%
55.6%	100	185	85	85.3%
56.8%	100	166	66	65.7%
58.0%	100	106	6	5.5%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	90	-10	-10.0%
71.6%	1	99	98	9800.0%
72.8%	0	100	100	100.0%
74.1%	0	100	100	100.0%
75.3%	0	100	100	100.0%
76.5%	0	100	100	100.0%
77.8%	0	100	100	100.0%
79.0%	0	1	1	100.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	2,875	-425	-12.9%
2.5%	1,642	1,642	0	0.0%
3.7%	1,571	1,571	0	0.0%
4.9%	1,272	1,451	179	14.1%
6.2%	1,127	1,127	0	0.0%
7.4%	980	980	0	0.0%
8.6%	877	877	0	0.0%
9.9%	588	810	221	37.6%
11.1%	404	602	198	49.0%
12.3%	357	588	231	64.8%
13.6%	336	336	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	206	-44	-17.7%
32.1%	250	146	-104	-41.5%
33.3%	250	121	-129	-51.6%
34.6%	250	103	-147	-58.9%
35.8%	250	103	-147	-59.0%
37.0%	250	102	-148	-59.1%
38.3%	250	102	-148	-59.1%
39.5%	250	101	-149	-59.5%
40.7%	250	100	-150	-60.0%
42.0%	250	100	-150	-60.0%
43.2%	250	100	-150	-60.0%
44.4%	146	100	-46	-31.6%
45.7%	121	100	-21	-17.4%
46.9%	103	100	-3	-2.7%
48.1%	103	100	-3	-2.5%
49.4%	102	100	-2	-2.2%
50.6%	102	100	-2	-2.1%
51.9%	101	100	-1	-1.1%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	48	100	52	107.3%
71.6%	35	31	-4	-10.4%
72.8%	3	3	0	0.0%
74.1%	0	3	3	300.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,295	0	0.0%
2.5%	1,985	2,078	93	4.7%
3.7%	1,904	2,054	150	7.9%
4.9%	1,898	1,985	87	4.6%
6.2%	1,836	1,898	62	3.4%
7.4%	1,814	1,761	-52	-2.9%
8.6%	1,761	1,708	-53	-3.0%
9.9%	1,708	1,280	-422	-24.7%
11.1%	1,617	1,251	-366	-22.6%
12.3%	1,256	1,250	-6	-0.5%
13.6%	1,100	1,100	0	0.0%
14.8%	1,052	993	-88	-8.2%
16.0%	945	924	-22	-2.3%
17.3%	923	849		

Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	857	2,945	2,088	243.7%
1.2%	584	789	205	35.1%
2.5%	436	584	148	34.0%
3.7%	412	436	24	5.8%
4.9%	250	412	162	64.7%
6.2%	250	250	0	0.0%
7.4%	250	250	0	0.0%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	144	250	106	73.9%
14.8%	126	250	124	98.2%
16.0%	107	250	143	133.5%
17.3%	100	250	150	150.0%
18.5%	100	250	150	150.0%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	144	44	43.7%
25.9%	100	126	26	26.1%
27.2%	100	107	7	7.1%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	87	100	13	15.0%
55.6%	74	100	26	35.1%
56.8%	3	100	97	2843.8%
58.0%	0	100	100	100.0%
59.3%	0	100	100	100.0%
60.5%	0	100	100	100.0%
61.7%	0	100	100	100.0%
63.0%	0	100	100	100.0%
64.2%	0	100	100	100.0%
65.4%	0	100	100	100.0%
66.7%	0	100	100	100.0%
67.9%	0	100	100	100.0%
69.1%	0	100	100	100.0%
70.4%	0	100	100	100.0%
71.6%	0	100	100	100.0%
72.8%	0	100	100	100.0%
74.1%	0	100	100	100.0%
75.3%	0	100	100	100.0%
76.5%	0	100	100	100.0%
77.8%	0	100	100	100.0%
79.0%	0	100	100	100.0%
80.2%	0	100	100	100.0%
81.5%	0	100	100	100.0%
82.7%	0	100	100	100.0%
84.0%	0	100	100	100.0%
85.2%	0	100	100	100.0%
86.4%	0	100	100	100.0%
87.7%	0	100	100	100.0%
88.9%	0	100	100	100.0%
90.1%	0	100	100	100.0%
91.4%	0	100	100	100.0%
92.6%	0	100	100	100.0%
93.8%	0	100	100	100.0%
95.1%	0	100	100	100.0%
96.3%	0	100	100	100.0%
97.5%	0	100	100	100.0%
98.8%	0	100	100	100.0%
100.0%	0	100	100	100.0%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,264	0	0.0%
2.5%	1,548	1,548	0	0.0%
3.7%	1,166	1,166	0	0.0%
4.9%	1,147	1,147	0	0.0%
6.2%	1,110	1,110	0	0.0%
7.4%	867	867	0	0.0%
8.6%	834	834	0	0.0%
9.9%	712	712	0	0.0%
11.1%	688	688	0	0.0%
12.3%	597	597	0	0.0%
13.6%	542	529	-13	-2.5%
14.8%	529	451	-78	-14.7%
16.0%	451	359	-92	-20.5%
17.3%	325	325	0	0.0%
18.5%	321	321	0	0.0%
19.8%	256	256	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	243	250	7	2.9%
25.9%	238	250	12	5.0%
27.2%	237	250	13	5.4%
28.4%	210	250	40	19.1%
29.6%	191	250	59	30.8%
30.9%	189	250	61	32.6%
32.1%	186	250	64	34.1%
33.3%	167	250	83	49.6%
34.6%	164	250	86	52.4%
35.8%	162	250	88	54.2%
37.0%	140	250	97	69.2%
38.3%	137	210	-73	-53.1%
39.5%	135	164	29	21.1%
40.7%	135	162	28	20.5%
42.0%	112	135	24	21.4%
43.2%	111	135	24	21.5%
44.4%	100	112	12	11.6%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	49	-51	-50.7%
63.0%	100	39	-61	-60.6%
64.2%	100	0	-100	-100.0%
65.4%	100	0	-100	-100.0%
66.7%	100	0	-100	-100.0%
67.9%	100	0	-100	-100.0%
69.1%	100	0	-100	-100.0%
70.4%	100	0	-100	-100.0%
71.6%	49	0	-49	-100.0%
72.8%	32	0	-32	-100.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,574	2,373	-201	-7.8%
1.2%	2,460	2,297	-162	-6.6%
2.5%	2,297	2,274	-23	-1.0%
3.7%	2,166	2,166	0	0.0%
4.9%	1,681	1,390	-292	-17.4%
6.2%	1,390	1,254	-136	-9.8%
7.4%	1,368	1,018	-350	-25.6%
8.6%	1,174	979	-195	-16.6%
9.9%	1,042	920	-122	-11.7%
11.1%	979	899	-80	-8.2%
12.3%	915	782	-133	-14.6%
13.6%	901	530	-371	-41.1%
14.8%	542	525	-17	-3.1%
16.0%	505	505	0	0.0%
17.3%	505	499	-6	-1.2%
18.5%	499	453	-46	-9.2%
19.8%	490	444	-46	-9.3%
21.0%	453	428	-25	-5.4%
22.2%	444	428	-16	-3.6%
23.5%	428	418	-10	-2.5%
24.7%	426	413	-13	-3.0%
25.9%	418	408	-10	-2.4%
27.2%	413	403	-10	-2.4%
28.4%	408	403	-5	-1.1%
29.6%	393	393	0	0.0%
30.9%	403	365	-38	-9.4%
32.1%	393	363	-30	-7.6%
33.3%	365	350	-15	-4.1%
34.6%	350	331	-19	-5.5%
35.8%	331	329	-2	-0.4%
37.0%	314	314	0	0.0%
38.3%	314	313	-1	-0.3%
39.5%	313	312	-1	-0.3%
40.7%	313	281	-32	-10.0%
42.0%	281	277	-4	-1.3%
43.2%	277	250	-27	-9.8%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	247	-3	-1.0%
54.3%	250	247	-3	-1.1%
55.6%	247	237	-10	-4.2%
56.8%	201	201	0	0.0%
58.0%	200	200	0	0.0%
59.3%	197	189	-8	-4.2%
60.5%	189	177	-12	-6.3%
61.7%	152	157	5	3.2%
63.0%	139	152	13	9.4%
64.2%	133	139	6	4.5%
65.4%	115	133	19	16.3%
66.7%	112	115	3	2.3%
67.9%	112	112	0	0.0%
69.1%	110	112	2	1.9%
70.4%	105	110	5	4.3%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	100	100	0	0.0%
80.2%	47	47	0	0.0%
81.5%	0	14	14	100.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

May				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,425	1,480	54	3.8%
4.9%	1,210	609	-601	-49.7%
6.2%	717	324	-394	-54.9%
7.4%	675	250	-425	-63.0%
8.6%	564	250	-314	-55.7%
9.9%	352	250	-102	-28.9%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0

Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,203	3,203	0	0.0%	
1.2%	3,023	3,023	0	0.0%	
2.5%	3,017	2,777	-240	-8.0%	
3.7%	2,718	1,957	-761	-28.0%	
4.9%	1,799	1,663	-136	-7.6%	
6.2%	1,706	1,577	-129	-7.5%	
7.4%	1,474	1,447	27	1.8%	
8.6%	1,316	1,374	58	4.2%	
9.9%	1,250	1,374	124	9.9%	
11.1%	1,250	1,374	124	9.9%	
12.3%	1,250	1,250	0	0.0%	
13.6%	1,250	1,250	0	0.0%	
14.8%	1,250	1,250	0	0.0%	
16.0%	1,250	1,250	0	0.0%	
17.3%	1,092	1,250	158	14.4%	
18.5%	1,092	1,250	158	14.5%	
19.8%	750	1,250	500	66.7%	
21.0%	750	1,250	500	66.7%	
22.2%	750	1,049	299	39.8%	
23.5%	750	750	0	0.0%	
24.7%	750	750	0	0.0%	
25.9%	750	750	0	0.0%	
27.2%	750	750	0	0.0%	
28.4%	750	750	0	0.0%	
29.6%	750	750	0	0.0%	
30.9%	750	750	0	0.0%	
32.1%	750	750	0	0.0%	
33.3%	750	750	0	0.0%	
34.6%	750	705	-45	-5.9%	
35.8%	750	610	-140	-18.7%	
37.0%	750	464	-286	-38.2%	
38.3%	623	349	-275	-44.1%	
39.5%	610	321	-289	-47.4%	
40.7%	464	291	-173	-37.2%	
42.0%	321	270	-51	-16.0%	
43.2%	250	250	0	0.0%	
44.4%	275	250	-25	-9.2%	
45.7%	270	250	-20	-7.2%	
46.9%	250	250	0	0.0%	
48.1%	250	250	0	0.0%	
49.4%	250	250	0	0.0%	
50.6%	250	250	0	0.0%	
51.9%	250	250	0	0.0%	
53.1%	250	250	0	0.0%	
54.3%	250	250	0	0.0%	
55.6%	250	245	-5	-2.2%	
56.8%	250	223	-27	-11.0%	
58.0%	250	182	-68	-27.0%	
59.3%	245	167	-78	-31.8%	
60.5%	182	147	-35	-19.2%	
61.7%	167	143	-24	-14.1%	
63.0%	147	141	-7	-4.6%	
64.2%	143	133	-11	-7.3%	
65.4%	141	125	-16	-11.1%	
66.7%	107	107	0	0.0%	
67.9%	106	106	0	0.0%	
69.1%	93	93	0	0.0%	
70.4%	59	57	-2	-3.9%	
71.6%	57	47	-11	-18.5%	
72.8%	47	43	-4	-8.5%	
74.1%	43	42	-1	-2.3%	
75.3%	42	37	-5	-12.2%	
76.5%	36	36	0	0.0%	
77.8%	35	35	0	0.0%	
79.0%	34	34	0	0.0%	
80.2%	8	34	26		
81.5%	0	8	8		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0	0	0		

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,300	3,300	0	0.0%	
1.2%	3,300	3,300	0	0.0%	
2.5%	3,300	3,300	0	0.0%	
3.7%	3,300	3,300	0	0.0%	
4.9%	3,300	3,300	0	0.0%	
6.2%	3,300	3,300	0	0.0%	
7.4%	3,300	3,300	0	0.0%	
8.6%	3,300	3,300	0	0.0%	
9.9%	3,300	3,250	-50	-1.5%	
11.1%	3,300	3,247	-53	-1.6%	
12.3%	2,846	2,846	0	0.0%	
13.6%	2,808	2,808	0	0.0%	
14.8%	2,750	2,783	33	1.2%	
16.0%	2,500	2,750	250	10.0%	
17.3%	2,500	2,500	0	0.0%	
18.5%	2,500	2,500	0	0.0%	
19.8%	2,400	2,500	100	4.2%	
21.0%	2,065	2,500	435	21.1%	
22.2%	2,000	2,365	365	18.2%	
23.5%	2,000	2,361	361	18.1%	
24.7%	2,000	2,250	250	12.5%	
25.9%	2,000	2,250	250	12.5%	
27.2%	2,000	2,250	250	12.5%	
28.4%	2,000	2,000	0	0.0%	
29.6%	2,000	2,000	0	0.0%	
30.9%	2,000	2,000	0	0.0%	
32.1%	2,000	2,000	0	0.0%	
33.3%	1,896	2,000	104	5.5%	
34.6%	1,770	2,000	230	13.0%	
35.8%	1,750	2,000	250	14.3%	
37.0%	1,750	2,000	250	14.3%	
38.3%	1,623	1,864	241	14.8%	
39.5%	1,750	1,849	99	5.6%	
40.7%	1,750	1,770	20	1.1%	
42.0%	1,500	1,750	250	16.7%	
43.2%	1,500	1,500	0	0.0%	
44.4%	1,500	1,672	172	11.5%	
45.7%	1,500	1,615	115	7.7%	
46.9%	1,500	1,516	16	1.1%	
48.1%	1,500	1,500	0	0.0%	
49.4%	1,500	1,500	0	0.0%	
50.6%	1,500	1,500	0	0.0%	
51.9%	1,500	1,500	0	0.0%	
53.1%	1,500	1,500	0	0.0%	
54.3%	1,500	1,676	176	11.7%	
55.6%	1,500	1,500	0	0.0%	
56.8%	1,500	1,500	0	0.0%	
58.0%	1,500	1,500	0	0.0%	
59.3%	1,500	1,500	0	0.0%	
60.5%	1,500	1,500	0	0.0%	
61.7%	1,500	1,500	0	0.0%	
63.0%	1,500	1,500	0	0.0%	
64.2%	1,500	1,500	0	0.0%	
65.4%	1,500	1,500	0	0.0%	
66.7%	1,500	1,500	0	0.0%	
67.9%	1,500	1,500	0	0.0%	
69.1%	1,500	1,500	0	0.0%	
70.4%	1,500	1,500	0	0.0%	
71.6%	1,500	1,500	0	0.0%	
72.8%	1,500	1,500	0	0.0%	
74.1%	1,500	1,500	0	0.0%	
75.3%	1,500	1,500	0	0.0%	
76.5%	1,500	1,500	0	0.0%	
77.8%	1,500	1,500	0	0.0%	
79.0%	1,500	1,500	0	0.0%	
80.2%	1,500	1,500	0	0.0%	
81.5%	1,500	1,500	0	0.0%	
82.7%	1,500	1,500	0	0.0%	
84.0%	1,500	1,500	0	0.0%	
85.2%	1,500	1,500	0	0.0%	
86.4%	1,481	1,500	19	1.3%	
87.7%	1,363	1,474	111	8.1%	
88.9%	1,250	1,250	0	0.0%	
90.1%	1,250	1,137	-113	-9.0%	
91.4%	1,130	1,111	-19	-1.5%	
92.6%	1,065	1,073	8	0.8%	
93.8%	1,000	831	-169	-16.9%	
95.1%	772	701	-72	-9.3%	
96.3%	66	80	14		
97.5%	29	43	14		
98.8%	0	0	0		
100.0%	0	0	0		

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,300	3,300	0	0.0%	
1.2%	3,300	3,300	0	0.0%	
2.5%	3,300	3,250	-50	-1.5%	
3.7%	3,300	3,250	-50	-1.5%	
4.9%	3,300	3,082	-218	-6.6%	
6.2%	3,300	2,750	-550	-16.7%	
7.4%	3,300	2,750	-550	-16.7%	
8.6%	3,231	2,750	-481	-14.9%	
9.9%	2,909	2,750	-159	-5.5%	
11.1%	2,750	2,750	0	0.0%	
12.3%	2,750	2,750	0	0.0%	
13.6%	2,725	2,750	25	0.9%	
14.8%	2,723	2,725	2	0.1%	
16.0%	2,507	2,500	-7	-0.3%	
17.3%	2,500	2,500	0	0.0%	
18.5%	2,500	2,500	0	0.0%	
19.8%	2,250	2,500	250	11.1%	
21.0%	2,250	2,500	250	11.1%	
22.2%	2,250	2,500	250	11.1%	
23.5%	2,000	2,500	500	25.0%	
24.7%	2,008	2,500	492	24.5%	
25.9%	2,000	2,500	500	25.0%	
27.2%	2,000	2,500	500	25.0%	
28.4%	2,000	2,500	500	25.0%	
29.6%	2,000	2,500	500	25.0%	
30.9%	2,000	2,500	500	25.0%	
32.1%	2,000	2,250	250	12.5%	
33.3%	2,000	2,250	250	12.5%	
34.6%	2,000	2,008	8	0.4%	
35.8%	2,000	2,000	0	0.0%	
37.0%	2,000	2,000	0	0.0%	
38.3%	2,000	2,000	0	0.0%	
39.5%	2,000	2,000	0	0.0%	
40.7%	2,000	2,000	0	0.0%	
42.0%	2,000	2,000	0	0.0%	
43.2%	2,000	2,000	0	0.0%	
44.4%	1,949	2,000	51	2.6%	
45.7%	1,821	2,000	179	9.8%	
46.9%	1,752	2,000	248	14.2%	
48.1%	1,750	2,000	250	14.3%	
49.4%	1,750	2,000	250	14.3%	
50.6%	1,750	2,000	250	14.3%	
51.9%	1,734	2,000	266	15.3%	
53.1%	1,692	2,000	308	18.2%	
54.3%	1,676	2,000	324	19.3%	
55.6%	1,673	2,000	327	19.6%	
56.8%	1,656	1,949	293	17.7%	
58.0%	1,613	1,821	207	12.9%	
59.3%	1,500	1,752	252	16.8%	
60.5%	1,500	1,750	250	16.7%	
61.7%	1,500	1,750	250	16.7%	
63.0%	1,500	1,734	234	15.6%	
64.2%	1,500	1,692	192	12.8%	
65.4%	1,500	1,676	176	11.7%	
66.7%	1,500	1,656	156	10.4%	
67.9%	1,500	1,654	154	10.3%	
69.1%	1,500	1,613	113	7.6%	
70.4%	1,500	1,500	0	0.0%	
71.6%	1,500	1,500	0	0.0%	
72.8%	1,500	1,500	0	0.0%	
74.1%	1,500	1,500	0	0.0%	
75.3%	1,500	1,500	0	0.0%	
76.5%	1,500	1,500	0	0.0%	
77.8%	1,500	1,500	0	0.0%	
79.0%	1,500	1,500	0	0.0%	
80.2%	1,500	1,500	0	0.0%	
81.5%	1,500	1,500	0	0.0%	
82.7%	1,500	1,500	0	0.0%	
84.0%	1,500	1,500	0	0.0%	

Table SW-06-a  
Clear Creek below Whiskeytown Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	187	187	189	197	197	191	191	265	181	85	85	148
DCR 2015 With Project	187	187	189	197	230	193	191	265	181	85	85	148
Difference	0	0	0	0	33	2	0	0	0	0	0	0
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.0%	16.5%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	200	200	200	220	220	200	200	277	200	85	85	150
DCR 2015 With Project	200	200	200	220	327	205	200	277	200	85	85	150
Difference	0	0	0	0	108	5	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	49.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	200	200	200	192	196	196	196	277	200	85	85	150
DCR 2015 With Project	200	200	200	192	196	196	196	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	193	193	193	189	189	189	189	269	186	85	85	150
DCR 2015 With Project	193	193	193	189	189	189	189	269	186	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	181	182	182	192	192	192	192	264	180	85	85	150
DCR 2015 With Project	181	182	182	192	184	192	192	264	180	85	85	150
Difference	0	0	0	0	-7	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	146	149	163	168	168	168	168	224	120	85	85	133
DCR 2015 With Project	146	149	163	168	168	168	168	224	120	85	85	133
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

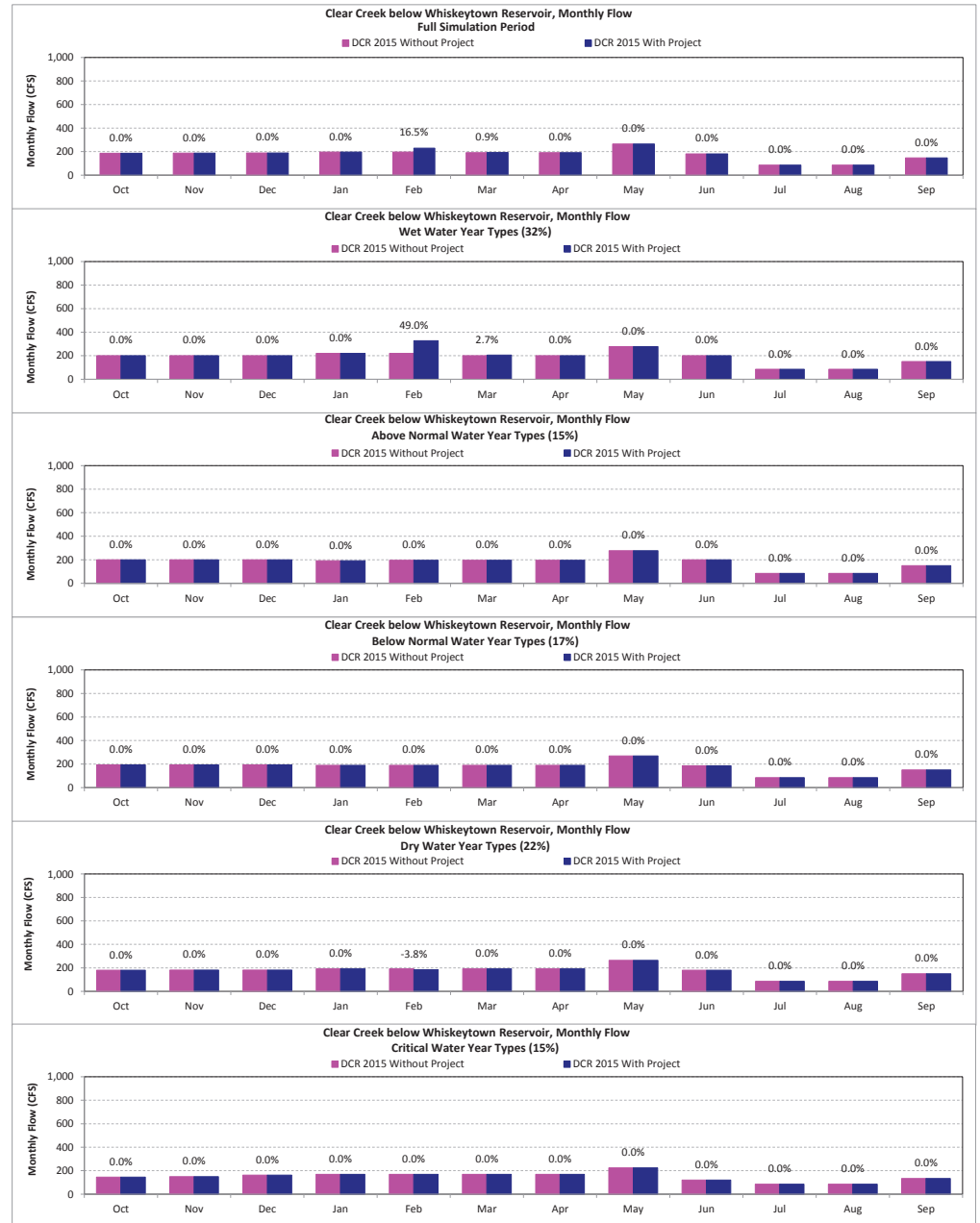


Figure SW-06-b  
 Clear Creek below Whiskeytown Reservoir, Monthly Flow  
 Probability of Exceedance

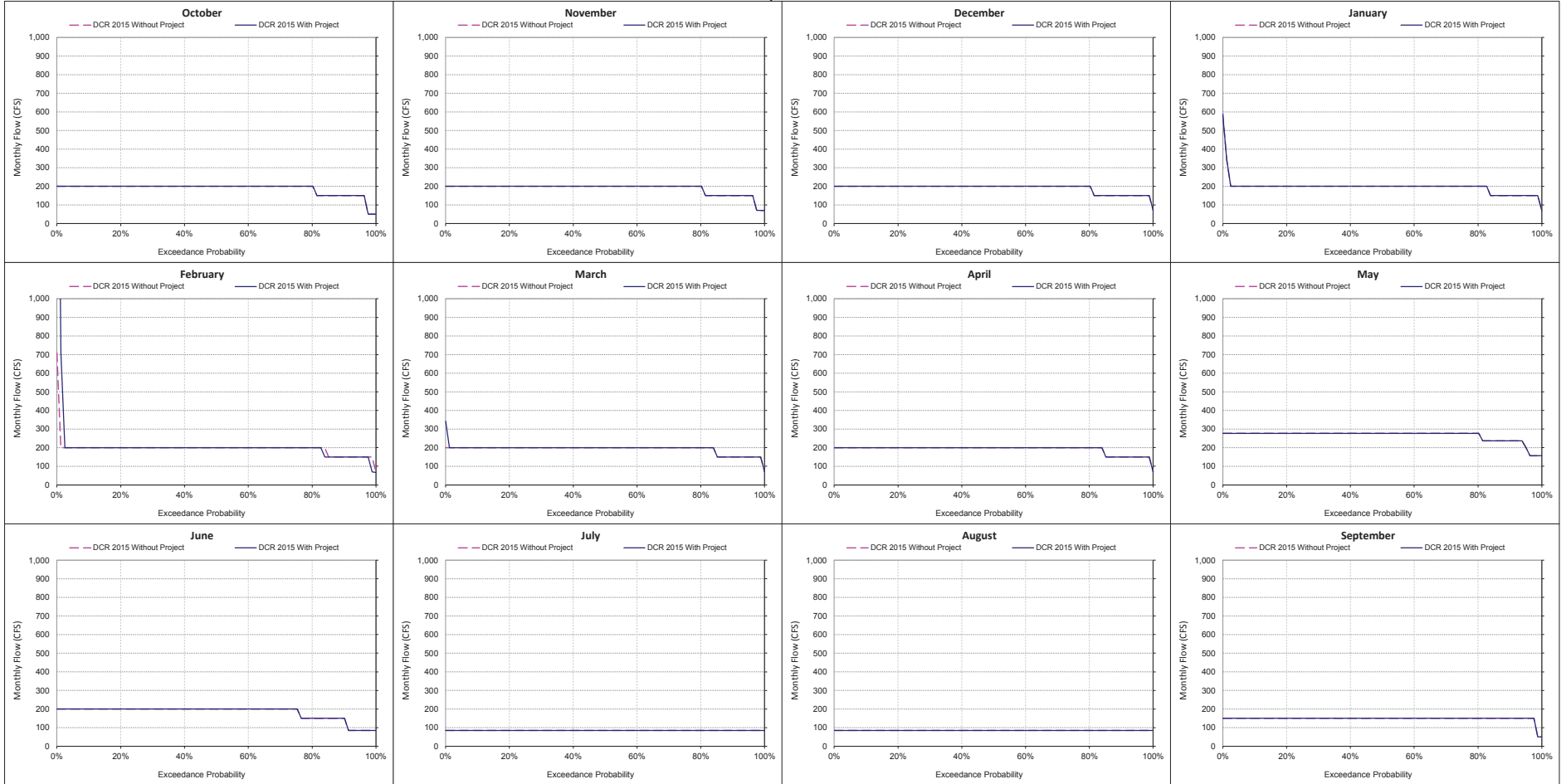






Table SW-06-b  
Clear Creek below Whiskeytown Reservoir, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%				



Table SW-07-a  
Shasta Lake, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	2,575	2,532	2,706	2,981	3,259	3,622	3,921	3,952	3,648	3,166	2,847	2,655
DCR 2015 With Project	2,698	2,639	2,790	3,053	3,301	3,676	3,983	4,023	3,762	3,292	2,986	2,779
Difference	123	108	84	72	42	53	61	71	115	126	139	124
Percent Difference <sup>2</sup>	4.8%	4.3%	3.1%	2.4%	1.3%	1.5%	1.6%	1.8%	3.1%	4.0%	4.9%	4.7%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3,015	2,863	3,038	3,413	3,638	3,860	4,317	4,474	4,291	3,877	3,530	3,104
DCR 2015 With Project	3,041	2,870	3,041	3,428	3,593	3,851	4,318	4,473	4,278	3,852	3,530	3,113
Difference	26	7	4	15	-45	-10	1	-1	-13	-25	0	9
Percent Difference	0.9%	0.2%	0.1%	0.4%	-1.2%	-0.2%	0.0%	0.0%	-0.3%	-0.6%	0.0%	0.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	2,916	2,741	2,948	3,102	3,381	3,960	4,405	4,478	4,121	3,538	3,208	3,014
DCR 2015 With Project	3,067	2,895	3,013	3,173	3,418	3,996	4,437	4,482	4,201	3,649	3,374	3,201
Difference	151	154	65	71	36	37	31	4	79	111	166	187
Percent Difference	5.2%	5.6%	2.2%	2.3%	1.1%	0.9%	0.7%	0.1%	1.9%	3.2%	5.2%	6.2%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2,809	2,886	2,970	2,933	3,285	3,684	4,056	4,075	3,733	3,235	2,918	2,848
DCR 2015 With Project	2,957	2,986	3,036	3,015	3,343	3,743	4,114	4,148	3,902	3,412	3,115	3,031
Difference	148	100	65	83	58	58	59	73	169	177	196	183
Percent Difference	5.3%	3.5%	2.2%	2.8%	1.8%	1.6%	1.4%	1.8%	4.5%	5.5%	6.7%	6.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	2,405	2,485	2,728	2,815	3,183	3,663	3,812	3,730	3,352	2,829	2,530	2,490
DCR 2015 With Project	2,563	2,621	2,843	2,889	3,247	3,732	3,888	3,822	3,521	3,030	2,719	2,630
Difference	158	136	115	74	64	69	76	92	170	202	189	140
Percent Difference	6.6%	5.5%	4.2%	2.6%	2.0%	1.9%	2.0%	2.5%	5.1%	7.1%	7.5%	5.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,261	1,261	1,403	2,230	2,400	2,636	2,588	2,486	2,126	1,677	1,398	1,343
DCR 2015 With Project	1,483	1,507	1,657	2,412	2,587	2,814	2,792	2,744	2,406	1,971	1,666	1,562
Difference	222	245	255	183	187	178	204	258	280	294	268	219
Percent Difference	17.6%	19.5%	18.2%	8.2%	7.8%	6.7%	7.9%	10.4%	13.1%	17.5%	19.1%	16.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

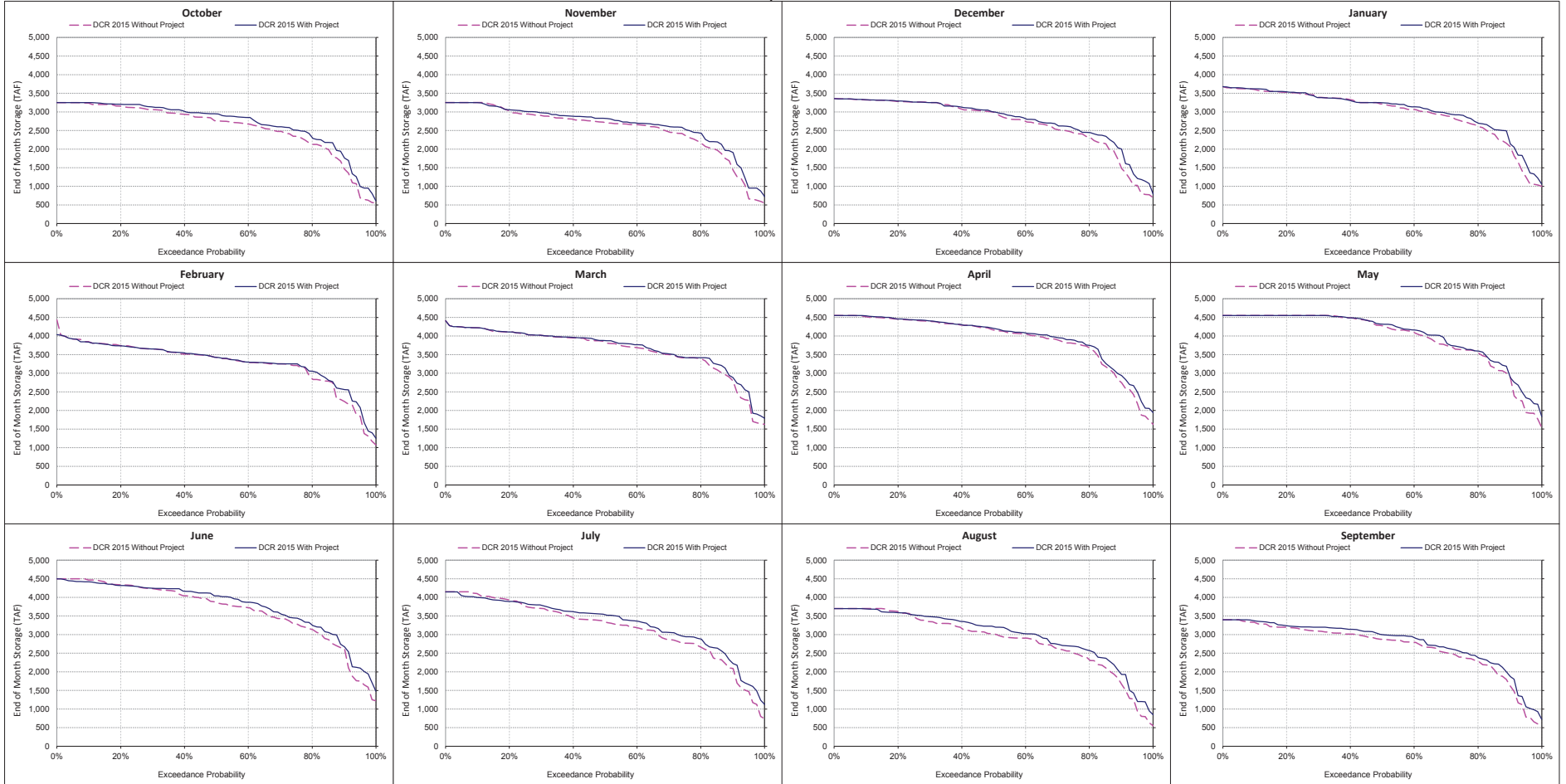


Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,248	3,250	2	0.1%
8.6%	3,242	3,250	8	0.3%
9.9%	3,237	3,250	13	0.4%
11.1%	3,200	3,250	50	1.6%
12.3%	3,200	3,242	42	1.3%
13.6%	3,200	3,238	38	1.2%
14.8%	3,200	3,224	24	0.7%
16.0%	3,200	3,216	16	0.5%
17.3%	3,193	3,214	21	0.7%
18.5%	3,160	3,205	45	1.4%
19.8%	3,157	3,204	46	1.5%
21.0%	3,136	3,203	67	2.1%
22.2%	3,121	3,200	79	2.5%
23.5%	3,119	3,200	81	2.6%
24.7%	3,113	3,200	87	2.8%
25.9%	3,108	3,197	89	2.9%
27.2%	3,092	3,162	70	2.3%
28.4%	3,066	3,146	80	2.6%
29.6%	3,044	3,132	88	2.9%
30.9%	3,059	3,120	61	2.0%
32.1%	3,050	3,120	70	2.3%
33.3%	3,043	3,112	69	2.3%
34.6%	2,976	3,077	101	3.4%
35.8%	2,969	3,060	91	3.1%
37.0%	2,964	3,056	92	3.1%
38.3%	2,945	3,055	110	3.7%
39.5%	2,939	3,025	86	2.9%
40.7%	2,931	2,995	64	2.2%
42.0%	2,924	2,961	37	1.3%
43.2%	2,864	2,980	116	4.1%
44.4%	2,859	2,977	118	4.1%
45.7%	2,857	2,961	104	3.6%
46.9%	2,852	2,830	102	3.6%
48.1%	2,843	2,951	108	3.8%
49.4%	2,762	2,924	162	5.8%
50.6%	2,759	2,946	187	6.8%
51.9%	2,750	2,904	153	5.6%
53.1%	2,748	2,890	141	5.1%
54.3%	2,731	2,885	154	5.7%
55.6%	2,715	2,876	161	5.9%
56.8%	2,708	2,867	159	5.9%
58.0%	2,695	2,856	161	6.0%
59.3%	2,678	2,854	176	6.6%
60.5%	2,668	2,853	186	7.0%
61.7%	2,638	2,773	135	5.1%
63.0%	2,619	2,709	91	3.5%
64.2%	2,584	2,658	74	2.9%
65.4%	2,546	2,650	104	4.1%
66.7%	2,538	2,634	95	3.8%
67.9%	2,500	2,612	111	4.5%
69.1%	2,477	2,604	127	5.1%
70.4%	2,477	2,601	124	5.0%
71.6%	2,422	2,587	165	6.8%
72.8%	2,414	2,578	163	6.8%
74.1%	2,346	2,518	171	7.3%
75.3%	2,343	2,508	164	7.0%
76.5%	2,303	2,486	183	8.0%
77.8%	2,242	2,476	234	10.5%
79.0%	2,169	2,419	250	11.5%
80.2%	2,127	2,286	160	7.5%
81.5%	2,125	2,259	133	6.3%
82.7%	2,091	2,252	161	7.7%
84.0%	2,034	2,193	149	7.3%
85.2%	1,985	2,179	194	9.8%
86.4%	1,807	2,172	366	20.2%
87.7%	1,763	1,964	200	11.4%
88.9%	1,679	1,947	268	16.0%
90.1%	1,461	1,811	350	20.6%
91.4%	1,357	1,693	337	24.5%
92.6%	1,096	1,340	244	22.2%
93.8%	1,068	1,261	192	18.0%
95.1%	686	996	310	45.2%
96.3%	650	950	300	46.2%
97.5%	628	920	292	46.5%
98.8%	564	802	238	42.2%
100.0%	550	613	63	11.4%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,252	0	0.0%
11.1%	3,252	3,241	-11	-0.3%
12.3%	3,252	3,207	-45	-1.4%
13.6%	3,217	3,162	-55	-1.7%
14.8%	3,198	3,157	-40	-1.3%
16.0%	3,156	3,149	-7	-0.2%
17.3%	3,134	3,120	-14	-0.5%
18.5%	3,074	3,069	-5	-0.2%
19.8%	3,033	3,058	25	0.8%
21.0%	2,974	3,053	78	2.6%
22.2%	2,973	3,040	67	2.2%
23.5%	2,947	3,037	90	3.1%
24.7%	2,943	3,011	69	2.3%
25.9%	2,943	3,011	68	2.3%
27.2%	2,928	3,009	81	2.8%
28.4%	2,911	2,997	86	3.0%
29.6%	2,904	2,982	77	2.7%
30.9%	2,888	2,969	80	2.8%
32.1%	2,885	2,961	76	2.6%
33.3%	2,873	2,930	58	2.0%
34.6%	2,840	2,928	88	3.1%
35.8%	2,837	2,899	63	2.2%
37.0%	2,831	2,898	67	2.4%
38.3%	2,814	2,893	79	2.8%
39.5%	2,809	2,886	77	2.7%
40.7%	2,782	2,882	100	3.6%
42.0%	2,780	2,851	70	2.5%
43.2%	2,778	2,873	95	3.4%
44.4%	2,765	2,863	98	3.6%
45.7%	2,758	2,862	104	3.8%
46.9%	2,745	2,830	85	3.1%
48.1%	2,731	2,829	98	3.6%
49.4%	2,726	2,825	99	3.6%
50.6%	2,702	2,821	119	4.4%
51.9%	2,699	2,809	110	4.1%
53.1%	2,685	2,769	84	3.1%
54.3%	2,685	2,765	80	3.0%
55.6%	2,680	2,732	51	1.9%
56.8%	2,674	2,730	56	2.1%
58.0%	2,658	2,711	53	2.0%
59.3%	2,657	2,711	54	2.0%
60.5%	2,655	2,693	38	1.4%
61.7%	2,643	2,691	48	1.8%
63.0%	2,630	2,686	56	2.1%
64.2%	2,604	2,680	75	2.9%
65.4%	2,601	2,657	56	2.2%
66.7%	2,581	2,656	75	2.9%
67.9%	2,521	2,639	118	4.7%
69.1%	2,490	2,620	129	5.2%
70.4%	2,452	2,604	152	6.2%
71.6%	2,446	2,593	147	6.0%
72.8%	2,424	2,592	168	6.9%
74.1%	2,422	2,585	163	6.7%
75.3%	2,360	2,524	164	6.9%
76.5%	2,305	2,495	190	8.2%
77.8%	2,269	2,453	184	8.1%
79.0%	2,218	2,444	225	10.2%
80.2%	2,154	2,421	268	12.4%
81.5%	2,070	2,257	187	9.0%
82.7%	2,034	2,205	170	8.4%
84.0%	2,014	2,204	190	9.5%
85.2%	1,969	2,192	223	11.3%
86.4%	1,881	2,127	246	13.1%
87.7%	1,748	1,963	215	12.3%
88.9%	1,687	1,957	271	16.0%
90.1%	1,433	1,811	478	33.4%
91.4%	1,258	1,588	328	26.1%
92.6%	1,217	1,493	276	22.7%
93.8%	1,038	1,223	186	17.9%
95.1%	659	950	291	44.1%
96.3%	656	950	294	44.7%
97.5%	628	950	324	51.7%
98.8%	595	876	282	47.4%
100.0%	550	727	177	32.1%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,360	3,360	0	0.0%
1.2%	3,353	3,353	-3	-0.1%
2.5%	3,349	3,349	0	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,346	3,347	1	0.0%
6.2%	3,338	3,348	8	0.2%
7.4%	3,335	3,338	3	0.1%
8.6%	3,328	3,335	7	0.2%
9.9%	3,322	3,328	6	0.2%
11.1%	3,319	3,322	3	0.1%
12.3%	3,317	3,319	2	0.1%
13.6%	3,316	3,317	1	0.0%
14.8%	3,316	3,317	1	0.0%
16.0%	3,310	3,316	6	0.2%
17.3%	3,306	3,310	4	0.1%
18.5%	3,291	3,306	15	0.4%
19.8%	3,285	3,293	8	0.2%
21.0%	3,276	3,291	15	0.5%
22.2%	3,276	3,276	9	0.3%
23.5%	3,269	3,276	7	0.2%
24.7%	3,267	3,267	0	0.0%
25.9%	3,266	3,265	-1	-0.0%
27.2%	3,266	3,263	-3	-0.1%
28.4%	3,265	3,258	-7	-0.2%
29.6%	3,252	3,252	0	0.0%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,252	0	0.0%
33.3%	3,215	3,228	13	0.4%
34.6%	3,196	3,160	-36	-1.1%
35.8%	3,192	3,155	-37	-1.1%
37.0%	3,147	3,154	7	0.2%
38.3%	3,132	3,152	20	0.6%
39.5%	3,089	3,137	47	1.5%
40.7%	3,055	3,114	60	2.0%
42.0%	3,053	3,053	62	2.0%
43.2%	3,053	3,100	48	1.6%
44.4%	3,039	3,071	32	1.1%
45.7%	3,031	3,059	28	0.9%
46.9%	3,022	3,049	27	0.9%
48.1%	3,011	3,047	35	1.2%
49.4%	3,005	3,009	4	0.1%
50.6%	2,979	2,993	14	0.5%
51.9%	2,900	2,964	64	2.2%
53.1%	2,854	2,953	100	3.5%
54.3%	2,822	2,911	90	3.2%
55.6%	2,801	2,899	98	3.5%
56.8%	2,795	2,870	75	2.7%
58.0%	2,795	2,870	75	2.7%
59.3%	2,771	2,843	72	2.6%
60.5%	2,728	2,801	73	2.7%
61.7%	2,722	2,800	78	2.9%
63.0%	2,696	2,797	101	3.8%
64.2%	2,681	2,734	53	2.0%
65.4%	2,670	2,712	42	1.6%
66.7%	2,643	2,701	58	2.2%
67.9%	2,618	2,698	80	3.0%
69.1%	2,540	2,686	145	5.7%
70.4%	2,516	2,624	108	4.3%
71.6%	2,511	2,621	111	4.4%
72.8%	2,493	2,617	124	5.0%
74.1%	2,468	2,602	134	5.4%
75.3%	2,426	2,550	124	5.1%
76.5%	2,411	2,512	102	4.2%
77.8%	2,409	2,454	45	1.9%
79.0%	2,340	2,452	112	4.8%
80.2%	2,315	2,443	128	5.5%
81.5%	2,230	2,410	181	8.1%
82.7%	2,183	2,377	193	8.9%
84.0%	2,172	2,372	200	9.2%
85.2%	2,143	2,342	199	9.3%
86.4%	1,963	2,249	286	14.6%
87.7%	1,953	2,176	223	11.4%
88.9%	1,741	2,035	294	16.9%
90.1%	1,479	2,004	524	35.5%
91.4%	1,357	1,608	241	17.6%
92.6%	1,214	1,582	369	30.4%
93.8%	1,030	1,334	304	29.5%
95.1%	1,027	1,212		

Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,433	4,037	-396	-8.9%	
1.2%	4,022	4,022	0	0.0%	
2.5%	3,994	3,994	0	0.0%	
3.7%	3,944	3,944	0	0.0%	
4.9%	3,920	3,920	0	0.0%	
6.2%	3,914	3,914	0	0.0%	
7.4%	3,910	3,848	-62	-1.6%	
8.6%	3,848	3,848	0	0.0%	
9.9%	3,848	3,838	-10	-0.3%	
11.1%	3,809	3,808	-1	0.0%	
12.3%	3,805	3,805	0	0.0%	
13.6%	3,800	3,794	-6	-0.2%	
14.8%	3,794	3,777	-17	-0.4%	
16.0%	3,777	3,772	-5	-0.1%	
17.3%	3,772	3,743	-30	-0.8%	
18.5%	3,772	3,739	-33	-0.9%	
19.8%	3,743	3,737	-6	-0.1%	
21.0%	3,739	3,731	-8	-0.2%	
22.2%	3,737	3,713	-24	-0.7%	
23.5%	3,713	3,702	-11	-0.3%	
24.7%	3,694	3,694	0	0.0%	
25.9%	3,675	3,675	0	0.0%	
27.2%	3,661	3,669	8	0.2%	
28.4%	3,654	3,661	7	0.2%	
29.6%	3,654	3,654	0	0.0%	
30.9%	3,648	3,654	6	0.2%	
32.1%	3,638	3,636	-2	-0.1%	
33.3%	3,636	3,628	-8	-0.2%	
34.6%	3,570	3,568	-2	0.0%	
35.8%	3,567	3,570	3	0.1%	
37.0%	3,560	3,567	7	0.2%	
38.3%	3,530	3,560	30	0.8%	
39.5%	3,516	3,563	47	1.3%	
40.7%	3,516	3,531	15	0.4%	
42.0%	3,508	3,530	22	0.6%	
43.2%	3,503	3,516	13	0.4%	
44.4%	3,493	3,503	10	0.3%	
45.7%	3,487	3,498	11	0.3%	
46.9%	3,480	3,480	0	0.0%	
48.1%	3,462	3,462	0	0.0%	
49.4%	3,431	3,431	0	0.0%	
50.6%	3,423	3,423	0	0.0%	
51.9%	3,392	3,405	13	0.4%	
53.1%	3,391	3,403	12	0.4%	
54.3%	3,376	3,368	-8	-0.2%	
55.6%	3,354	3,359	5	0.2%	
56.8%	3,331	3,330	-1	0.0%	
58.0%	3,321	3,315	-6	-0.2%	
59.3%	3,292	3,301	9	0.3%	
60.5%	3,288	3,299	11	0.3%	
61.7%	3,288	3,292	4	0.1%	
63.0%	3,282	3,292	10	0.3%	
64.2%	3,280	3,288	8	0.2%	
65.4%	3,272	3,282	10	0.3%	
66.7%	3,252	3,276	24	0.7%	
67.9%	3,252	3,270	18	0.5%	
69.1%	3,252	3,253	1	0.0%	
70.4%	3,252	3,252	0	0.0%	
71.6%	3,249	3,252	3	0.1%	
72.8%	3,230	3,252	22	0.7%	
74.1%	3,210	3,252	42	1.3%	
75.3%	3,208	3,252	44	1.4%	
76.5%	3,148	3,184	36	1.1%	
77.8%	3,146	3,164	18	0.6%	
79.0%	2,944	3,063	119	4.0%	
80.2%	2,832	3,052	220	7.8%	
81.5%	2,832	3,021	189	6.7%	
82.7%	2,814	2,945	131	4.6%	
84.0%	2,793	2,897	104	3.7%	
85.2%	2,785	2,814	29	1.0%	
86.4%	2,752	2,778	26	1.0%	
87.7%	2,313	2,604	291	12.6%	
88.9%	2,297	2,579	283	12.3%	
90.1%	2,260	2,793	533	23.6%	
91.4%	2,170	2,555	385	17.7%	
92.6%	2,142	2,251	109	5.1%	
93.8%	1,892	2,232	340	17.9%	
95.1%	1,844	2,077	234	12.7%	
96.3%	1,811	1,674	-137	-7.6%	
97.5%	1,811	1,447	-364	-20.1%	
98.8%	1,171	1,397	227	19.3%	
100.0%	1,073	1,257	184	17.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,411	4,411	0	0.0%	
1.2%	4,280	4,280	0	0.0%	
2.5%	4,253	4,253	0	0.0%	
3.7%	4,249	4,249	0	0.0%	
4.9%	4,246	4,246	0	0.0%	
6.2%	4,229	4,229	0	0.0%	
7.4%	4,226	4,226	0	0.0%	
8.6%	4,225	4,226	1	0.0%	
9.9%	4,221	4,221	0	0.0%	
11.1%	4,221	4,215	-6	-0.1%	
12.3%	4,199	4,193	-6	-0.1%	
13.6%	4,162	4,162	0	0.0%	
14.8%	4,129	4,156	27	0.7%	
16.0%	4,124	4,129	5	0.1%	
17.3%	4,118	4,124	6	0.1%	
18.5%	4,111	4,118	7	0.2%	
19.8%	4,106	4,106	0	0.0%	
21.0%	4,105	4,105	0	0.0%	
22.2%	4,086	4,086	0	0.0%	
23.5%	4,071	4,084	13	0.3%	
24.7%	4,063	4,071	8	0.2%	
25.9%	4,033	4,033	0	0.0%	
27.2%	4,030	4,030	0	0.0%	
28.4%	4,022	4,022	0	0.0%	
29.6%	4,021	4,021	0	0.0%	
30.9%	4,010	4,010	0	0.0%	
32.1%	4,000	4,000	0	0.0%	
33.3%	3,980	4,000	20	0.5%	
34.6%	3,976	3,983	7	0.2%	
35.8%	3,970	3,980	10	0.3%	
37.0%	3,965	3,976	11	0.3%	
38.3%	3,956	3,970	14	0.3%	
39.5%	3,953	3,965	12	0.3%	
40.7%	3,948	3,956	8	0.2%	
42.0%	3,940	3,953	13	0.3%	
43.2%	3,940	3,949	9	0.2%	
44.4%	3,883	3,944	61	1.6%	
45.7%	3,880	3,940	60	1.5%	
46.9%	3,874	3,899	24	0.6%	
48.1%	3,873	3,883	10	0.3%	
49.4%	3,860	3,880	20	0.5%	
50.6%	3,807	3,874	67	1.8%	
51.9%	3,797	3,873	76	2.0%	
53.1%	3,795	3,839	44	1.2%	
54.3%	3,756	3,804	48	1.3%	
55.6%	3,732	3,803	70	1.9%	
56.8%	3,715	3,795	80	2.2%	
58.0%	3,705	3,785	79	2.1%	
59.3%	3,696	3,769	73	2.0%	
60.5%	3,681	3,768	87	2.4%	
61.7%	3,667	3,756	89	2.4%	
63.0%	3,646	3,686	41	1.1%	
64.2%	3,598	3,660	62	1.7%	
65.4%	3,575	3,609	33	0.9%	
66.7%	3,547	3,584	37	1.1%	
67.9%	3,534	3,541	7	0.2%	
69.1%	3,504	3,534	30	0.9%	
70.4%	3,499	3,517	18	0.5%	
71.6%	3,482	3,504	22	0.6%	
72.8%	3,435	3,443	8	0.2%	
74.1%	3,417	3,435	19	0.5%	
75.3%	3,416	3,419	3	0.1%	
76.5%	3,416	3,417	1	0.0%	
77.8%	3,416	3,417	1	0.0%	
79.0%	3,404	3,416	12	0.4%	
80.2%	3,386	3,416	30	0.9%	
81.5%	3,328	3,416	88	2.6%	
82.7%	3,205	3,399	194	6.0%	
84.0%	3,140	3,269	129	4.1%	
85.2%	3,086	3,237	150	4.9%	
86.4%	3,017	3,210	193	6.4%	
87.7%	2,964	3,140	176	5.9%	
88.9%	2,897	2,949	52	1.8%	
90.1%	2,862	2,793	-69	-2.4%	
91.4%	2,481	2,735	254	10.2%	
92.6%	2,337	2,689	352	15.1%	
93.8%	2,288	2,552	265	11.6%	
95.1%	2,270	2,503	233	10.3%	
96.3%	1,702	1,927	225	13.2%	
97.5%	1,670	1,804	134	8.0%	
98.8%	1,644	1,854	210	12.8%	
100.0%	1,629	1,792	163	10.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,552	4,552	0	0.0%	
1.2%	4,552	4,552	0	0.0%	
2.5%	4,552	4,552	0	0.0%	
3.7%	4,552	4,552	0	0.0%	
4.9%	4,552	4,552	0	0.0%	
6.2%	4,552	4,552	0	0.0%	
7.4%	4,546	4,552	6	0.1%	
8.6%	4,541	4,552	11	0.2%	
9.9%	4,519	4,546	27	0.6%	
11.1%	4,503	4,528	25	0.6%	
12.3%	4,501	4,519	17	0.4%	
13.6%	4,500	4,512	12	0.3%	
14.8%	4,491	4,512	21	0.5%	
16.0%	4,479	4,503	24	0.5%	
17.3%	4,476	4,500	24	0.5%	
18.5%	4,461	4,479	18	0.4%	
19.8%	4,456	4,461	5	0.1%	
21.0%	4,451	4,456	5	0.1%	
22.2%	4,439	4,451	12	0.3%	
23.5%	4,434	4,436	2	0.0%	
24.7%	4,432	4,434	2	0.0%	
25.9%	4,418	4,427	9	0.2%	
27.2%	4,406	4,426	20	0.5%	
28.4%	4,404	4,421	18	0.4%	
29.6%	4,397	4,407	9	0.2%	
30.9%	4,389	4,398	9	0.2%	
32.1%	4,382	4,384	2	0.0%	
33.3%	4,341	4,372	31	0.7%	
34.6%	4,333	4,367	33	0.8%	
35.8%	4,331	4,341	10	0.2%	
37.0%	4,330	4,329	-1	0.0%	
38.3%	4,329	4,313	-16	-0.4%	
39.5%	4,296	4,312	16	0.4%	
40.7%	4,290	4,290	0	0.0%	
42.0%	4,289	4,289	0	0.0%	
43.2%	4,277	4,288	12	0.3%	
44.4%	4,259	4,263	4	0.1%	
45.7%	4,232	4,259	28	0.7%	
46.9%	4,231	4,245	15	0.4%	
48.1%	4,217	4,235	18	0.4%	
49.4%	4,173	4,217	44	1.0%	
50.6%	4,147	4,196	49	1.2%	
51.9%	4,137	4,173	36	0.9%	
53.1%	4,131	4,137	6	0.1%	
54.3%	4,094	4,131	37	0.9%	
55.6%	4,079	4,121	42	1.0%	
56.8%	4,074	4,102	28	0.7%	
58.0%	4,064	4,101	36	0.9%	
59.3%	4,058	4,094	36	0.9%	
60.5%	4,046	4,074	28	0.7%	
61.7%	4,014	4,065	51	1.3%	
63.0%	4,008	4,058	50	1.3%	
64.2%	3,983	4,034	52	1.3%	
65.4%	3,972	4,031	59	1.5%	
66.7%	3,931	4,031	100	2.5%	
67.9%	3,927	3,988	59	1.5%	
69.1%	3,920	3,974	55	1.4%	
70.4%	3,888	3,954	66	1.7%	
71.6%	3,847	3,943	96	2.5%	
72.8%	3,814	3,905	91	2.4%	
74.1%	3,814	3,902	87	2.3%	

Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,500	4,500	0	0.0%	
1.2%	4,500	4,500	0	0.0%	
2.5%	4,500	4,473	-27	-0.6%	
3.7%	4,500	4,451	-49	-1.1%	
4.9%	4,500	4,438	-62	-1.4%	
6.2%	4,500	4,429	-71	-1.6%	
7.4%	4,500	4,423	-77	-1.7%	
8.6%	4,500	4,421	-79	-1.7%	
9.9%	4,467	4,421	-46	-1.0%	
11.1%	4,467	4,410	-57	-1.3%	
12.3%	4,466	4,376	-90	-2.0%	
13.6%	4,442	4,379	-63	-1.4%	
14.8%	4,422	4,376	-46	-1.0%	
16.0%	4,351	4,358	7	0.2%	
17.3%	4,350	4,352	2	0.0%	
18.5%	4,343	4,324	-19	-0.4%	
19.8%	4,340	4,321	-19	-0.4%	
21.0%	4,334	4,320	-14	-0.3%	
22.2%	4,330	4,313	-17	-0.4%	
23.5%	4,322	4,306	-16	-0.4%	
24.7%	4,289	4,297	8	0.2%	
25.9%	4,274	4,286	12	0.3%	
27.2%	4,252	4,260	8	0.2%	
28.4%	4,245	4,255	10	0.2%	
29.6%	4,238	4,246	8	0.2%	
30.9%	4,224	4,243	19	0.5%	
32.1%	4,205	4,243	38	0.9%	
33.3%	4,194	4,241	47	1.1%	
34.6%	4,191	4,236	45	1.1%	
35.8%	4,182	4,234	52	1.2%	
37.0%	4,167	4,233	66	1.6%	
38.3%	4,086	4,233	147	3.6%	
39.5%	4,046	4,171	125	3.1%	
40.7%	4,042	4,166	124	3.1%	
42.0%	4,038	4,164	126	3.1%	
43.2%	4,006	4,141	135	3.4%	
44.4%	3,996	4,123	127	3.2%	
45.7%	3,969	4,122	153	3.9%	
46.9%	3,964	4,119	155	3.9%	
48.1%	3,894	4,113	218	5.6%	
49.4%	3,882	4,044	162	4.2%	
50.6%	3,842	4,043	201	5.2%	
51.9%	3,821	4,019	198	5.2%	
53.1%	3,816	4,016	200	5.2%	
54.3%	3,771	4,008	237	6.3%	
55.6%	3,767	3,965	199	5.3%	
56.8%	3,752	3,948	196	5.2%	
58.0%	3,747	3,885	138	3.7%	
59.3%	3,733	3,869	136	3.6%	
60.5%	3,719	3,867	148	4.0%	
61.7%	3,648	3,857	210	5.8%	
63.0%	3,637	3,836	199	5.5%	
64.2%	3,635	3,773	139	3.8%	
65.4%	3,560	3,742	182	5.1%	
66.7%	3,474	3,693	219	6.3%	
67.9%	3,473	3,613	140	4.0%	
69.1%	3,434	3,603	169	4.9%	
70.4%	3,428	3,551	123	3.6%	
71.6%	3,419	3,521	103	3.0%	
72.8%	3,367	3,460	92	2.7%	
74.1%	3,293	3,451	158	4.8%	
75.3%	3,280	3,442	161	4.9%	
76.5%	3,225	3,396	171	5.3%	
77.8%	3,200	3,336	136	4.2%	
79.0%	3,163	3,327	164	5.2%	
80.2%	3,131	3,244	112	3.6%	
81.5%	3,060	3,207	146	4.8%	
82.7%	3,019	3,196	176	5.8%	
84.0%	2,996	3,176	180	6.2%	
85.2%	2,864	3,059	195	6.8%	
86.4%	2,753	3,009	256	9.3%	
87.7%	2,698	2,989	291	10.8%	
88.9%	2,649	2,742	93	3.5%	
90.1%	2,626	2,673	46	1.8%	
91.4%	2,109	2,538	429	20.3%	
92.6%	1,880	2,138	257	13.7%	
93.8%	1,760	2,124	364	20.7%	
95.1%	1,750	2,098	349	19.9%	
96.3%	1,649	2,008	359	21.8%	
97.5%	1,586	1,940	354	22.3%	
98.8%	1,251	1,704	453	36.2%	
100.0%	1,219	1,479	260	21.3%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,150	4,150	0	0.0%	
1.2%	4,150	4,150	0	0.0%	
2.5%	4,150	4,150	0	0.0%	
3.7%	4,150	4,150	0	0.0%	
4.9%	4,150	4,047	-103	-2.5%	
6.2%	4,150	4,027	-123	-3.0%	
7.4%	4,150	4,016	-134	-3.2%	
8.6%	4,114	4,016	-98	-2.4%	
9.9%	4,103	3,995	-109	-2.6%	
11.1%	4,042	3,992	-50	-1.2%	
12.3%	4,029	3,983	-46	-1.1%	
13.6%	4,028	3,952	-76	-1.9%	
14.8%	3,998	3,936	-62	-1.6%	
16.0%	3,977	3,924	-53	-1.3%	
17.3%	3,977	3,919	-58	-1.5%	
18.5%	3,956	3,898	-58	-1.5%	
19.8%	3,934	3,893	-42	-1.1%	
21.0%	3,905	3,888	-17	-0.4%	
22.2%	3,902	3,880	-22	-0.6%	
23.5%	3,849	3,866	18	0.5%	
24.7%	3,767	3,846	78	2.1%	
25.9%	3,736	3,814	78	2.1%	
27.2%	3,722	3,805	83	2.2%	
28.4%	3,714	3,801	87	2.4%	
29.6%	3,704	3,797	93	2.5%	
30.9%	3,643	3,766	123	3.4%	
32.1%	3,648	3,740	91	2.5%	
33.3%	3,636	3,704	68	1.9%	
34.6%	3,618	3,687	68	1.9%	
35.8%	3,592	3,672	80	2.2%	
37.0%	3,534	3,631	96	2.7%	
38.3%	3,517	3,630	113	3.2%	
39.5%	3,469	3,620	151	4.4%	
40.7%	3,419	3,607	188	5.5%	
42.0%	3,416	3,586	170	5.0%	
43.2%	3,408	3,562	154	4.5%	
44.4%	3,405	3,581	176	5.2%	
45.7%	3,399	3,568	169	5.0%	
46.9%	3,393	3,559	166	4.9%	
48.1%	3,382	3,554	172	5.1%	
49.4%	3,372	3,552	180	5.3%	
50.6%	3,323	3,520	197	5.9%	
51.9%	3,307	3,517	210	6.3%	
53.1%	3,280	3,507	227	6.9%	
54.3%	3,263	3,491	228	7.0%	
55.6%	3,253	3,396	143	4.4%	
56.8%	3,251	3,330	139	4.3%	
58.0%	3,200	3,374	174	5.4%	
59.3%	3,197	3,369	172	5.4%	
60.5%	3,176	3,355	179	5.6%	
61.7%	3,147	3,330	183	5.8%	
63.0%	3,125	3,307	182	5.8%	
64.2%	3,118	3,212	94	3.0%	
65.4%	3,105	3,200	95	3.1%	
66.7%	2,985	3,166	182	6.1%	
67.9%	2,914	3,063	149	5.1%	
69.1%	2,875	3,063	187	6.5%	
70.4%	2,866	3,057	191	6.7%	
71.6%	2,850	3,051	201	7.1%	
72.8%	2,816	2,999	183	6.5%	
74.1%	2,773	2,963	190	6.8%	
75.3%	2,768	2,943	175	6.3%	
76.5%	2,767	2,942	175	6.3%	
77.8%	2,760	2,933	172	6.2%	
79.0%	2,706	2,897	191	7.1%	
80.2%	2,654	2,879	225	8.5%	
81.5%	2,595	2,741	146	5.6%	
82.7%	2,583	2,671	88	3.4%	
84.0%	2,371	2,648	277	11.7%	
85.2%	2,334	2,635	301	12.9%	
86.4%	2,328	2,562	233	10.0%	
87.7%	2,221	2,485	264	11.9%	
88.9%	2,104	2,332	228	10.8%	
90.1%	2,086	2,220	132	6.3%	
91.4%	1,695	2,182	487	28.7%	
92.6%	1,573	1,767	194	12.3%	
93.8%	1,509	1,699	190	12.6%	
95.1%	1,467	1,658	190	13.0%	
96.3%	1,172	1,605	434	37.0%	
97.5%	1,123	1,489	366	32.6%	
98.8%	800	1,238	437	54.7%	
100.0%	737	1,125	389	52.7%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,700	3,700	0	0.0%	
1.2%	3,700	3,700	0	0.0%	
2.5%	3,700	3,700	0	0.0%	
3.7%	3,700	3,700	0	0.0%	
4.9%	3,700	3,700	0	0.0%	
6.2%	3,700	3,700	0	0.0%	
7.4%	3,700	3,700	0	0.0%	
8.6%	3,700	3,700	0	0.0%	
9.9%	3,700	3,694	-6	-0.2%	
11.1%	3,700	3,688	-12	-0.3%	
12.3%	3,700	3,681	-19	-0.5%	
13.6%	3,700	3,680	-20	-0.5%	
14.8%	3,700	3,616	-84	-2.3%	
16.0%	3,688	3,606	-82	-2.2%	
17.3%	3,641	3,601	-40	-1.1%	
18.5%	3,634	3,600	-34	-0.9%	
19.8%	3,625	3,592	-33	-0.9%	
21.0%	3,577	3,587	10	0.3%	
22.2%	3,575	3,582	7	0.2%	
23.5%	3,570	3,552	-18	-0.5%	
24.7%	3,499	3,536	37	1.1%	
25.9%	3,429	3,517	88	2.6%	
27.2%	3,386	3,514	127	3.8%	
28.4%	3,384	3,492	108	3.2%	
29.6%	3,350	3,483	133	4.0%	
30.9%	3,340	3,479	139	4.1%	
32.1%	3,302	3,474	172	5.2%	
33.3%	3,301	3,455	154	4.7%	
34.6%	3,299	3,425	126	3.8%	
35.8%	3,298	3,415	117	3.5%	
37.0%	3,285	3,402	118	3.6%	
38.3%	3,220	3,381	161	5.0%	
39.5%	3,197	3,357	160	5.0%	
40.7%	3,122	3,351	229	7.3%	
42.0%	3,113	3,325	212	6.8%	
43.2%	3,087	3,286	199	6.5%	
44.4%	3,085	3,254	169	5.5%	
45.7%	3,074	3,243	169	5.5%	
46.9%	3,073	3,227	154	5.0%	
48.1%	3,031	3,227	196	6.5%	
49.4%	3,024	3,226	202	6.7%	
50.6%	3,007	3,202	195	6.5%	
51.9%	2,966	3,200	234	7.9%	
53.1%	2,936	3,193	257	8.8%	
54.3%	2,924	3,149	226	7.7%	
55.6%	2,917	3,088	171	5.9%	
56.8%	2,908	3,063	155	5.3%	
58.0%	2,908	3,052	144	5.0%	
59.3%	2,904	3,030	126	4.4%	
60.5%	2,904	3,020	116	4.0%	
61.7%	2,883	3,017	134	4.7%	
63.0%	2,869	3,016	147	5.1%	
64.2%	2,764	2,973	209	7.5%	
65.4%	2,741	2,908	165	6.0%	
66.7%	2,728	2,893	165	6.1%	
67.9%	2,719	2,762	43	1.6%	
69.1%	2,647	2,757	109	4.1%	
70.4%	2,610	2,738	128		

Table SW-08-a  
Shasta Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	982	980	989	1,003	1,015	1,031	1,042	1,043	1,031	1,010	995	986
DCR 2015 With Project	989	987	994	1,007	1,018	1,033	1,045	1,046	1,036	1,017	1,003	993
Difference	7	7	5	4	3	2	3	3	5	7	8	7
Percent Difference <sup>2</sup>	0.7%	0.7%	0.6%	0.4%	0.2%	0.2%	0.3%	0.3%	0.5%	0.7%	0.8%	0.7%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,006	1,000	1,008	1,024	1,033	1,042	1,059	1,064	1,058	1,042	1,029	1,010
DCR 2015 With Project	1,008	1,000	1,008	1,025	1,031	1,041	1,059	1,064	1,057	1,041	1,029	1,011
Difference	1	0	0	1	-2	0	0	0	0	-1	0	0
Percent Difference	0.1%	0.0%	0.0%	0.1%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,002	994	1,004	1,009	1,022	1,046	1,062	1,064	1,052	1,029	1,015	1,007
DCR 2015 With Project	1,009	1,001	1,006	1,013	1,024	1,047	1,063	1,064	1,054	1,034	1,022	1,015
Difference	7	7	3	4	2	1	1	0	3	5	7	8
Percent Difference	0.7%	0.7%	0.3%	0.4%	0.2%	0.1%	0.1%	0.0%	0.3%	0.4%	0.7%	0.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	997	1,000	1,004	1,000	1,016	1,033	1,049	1,050	1,037	1,016	1,002	999
DCR 2015 With Project	1,004	1,005	1,007	1,004	1,019	1,036	1,051	1,052	1,043	1,024	1,011	1,007
Difference	7	5	4	4	3	2	2	3	6	8	9	8
Percent Difference	0.7%	0.5%	0.4%	0.4%	0.3%	0.2%	0.2%	0.3%	0.6%	0.8%	0.9%	0.8%
<b>Dry (22%)</b>												
DCR 2015 Without Project	977	981	992	995	1,012	1,033	1,039	1,036	1,020	998	983	981
DCR 2015 With Project	985	988	998	999	1,015	1,036	1,042	1,040	1,028	1,007	993	988
Difference	8	7	6	4	3	3	4	7	9	9	9	7
Percent Difference	0.9%	0.7%	0.6%	0.4%	0.3%	0.3%	0.3%	0.4%	0.7%	0.9%	0.9%	0.7%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	897	898	910	964	974	988	985	980	960	931	909	904
DCR 2015 With Project	916	918	931	975	984	997	996	993	976	952	931	922
Difference	19	21	21	11	11	9	10	14	16	21	22	19
Percent Difference	2.1%	2.3%	2.3%	1.2%	1.1%	0.9%	1.0%	1.4%	1.7%	2.3%	2.4%	2.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-08-b**  
**Shasta Lake, End of Month Elevation**  
**Probability of Exceedance**

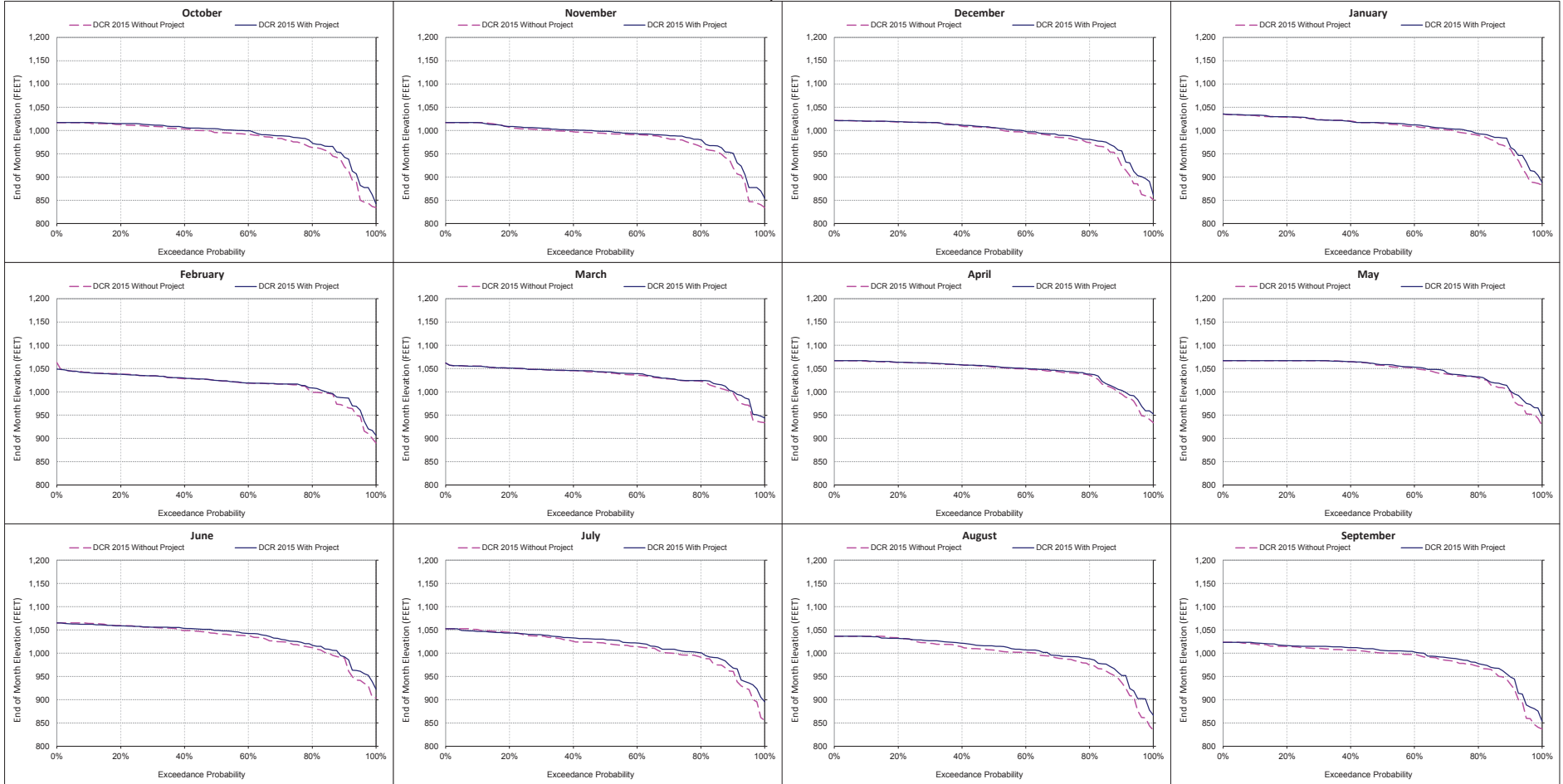


Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,016	1,017	1	0.1%
11.1%	1,015	1,017	2	0.2%
12.3%	1,015	1,017	2	0.2%
13.6%	1,015	1,016	2	0.2%
14.8%	1,015	1,016	3	0.3%
16.0%	1,015	1,015	1	0.1%
17.3%	1,014	1,015	1	0.1%
18.5%	1,013	1,015	2	0.2%
19.8%	1,013	1,015	2	0.2%
21.0%	1,012	1,015	3	0.3%
22.2%	1,011	1,015	3	0.3%
23.5%	1,011	1,015	3	0.3%
24.7%	1,011	1,015	4	0.4%
25.9%	1,011	1,015	4	0.4%
27.2%	1,010	1,013	3	0.3%
28.4%	1,009	1,012	3	0.3%
29.6%	1,009	1,012	3	0.3%
30.9%	1,009	1,011	3	0.3%
32.1%	1,008	1,011	3	0.3%
33.3%	1,008	1,011	3	0.3%
34.6%	1,005	1,009	4	0.4%
35.8%	1,005	1,009	4	0.4%
37.0%	1,004	1,008	4	0.4%
38.3%	1,004	1,008	5	0.5%
39.5%	1,003	1,007	4	0.4%
40.7%	1,003	1,006	3	0.3%
42.0%	1,003	1,005	3	0.3%
43.2%	1,000	1,005	5	0.5%
44.4%	1,000	1,005	5	0.5%
45.7%	1,000	1,004	5	0.5%
46.9%	1,000	1,004	4	0.4%
48.1%	999	1,004	5	0.5%
49.4%	996	1,004	8	0.8%
50.6%	996	1,004	8	0.8%
51.9%	995	1,002	7	0.7%
53.1%	995	1,001	6	0.6%
54.3%	994	1,001	7	0.7%
55.6%	994	1,001	7	0.7%
56.8%	993	1,000	7	0.7%
58.0%	993	1,000	7	0.7%
59.3%	992	1,000	8	0.8%
60.5%	992	1,000	8	0.8%
61.7%	990	996	6	0.6%
63.0%	989	993	4	0.4%
64.2%	988	991	3	0.3%
65.4%	986	991	5	0.5%
66.7%	986	990	4	0.4%
67.9%	984	989	5	0.5%
69.1%	983	989	6	0.6%
70.4%	983	989	6	0.6%
71.6%	980	988	8	0.9%
72.8%	979	988	8	0.9%
74.1%	975	985	10	1.0%
75.3%	975	985	9	0.9%
76.5%	973	983	10	1.1%
77.8%	968	983	13	1.4%
79.0%	965	980	14	1.5%
80.2%	963	972	9	0.9%
81.5%	963	970	8	0.8%
82.7%	961	970	9	0.9%
84.0%	958	966	8	0.9%
85.2%	955	966	11	1.2%
86.4%	945	966	21	2.2%
87.7%	942	954	11	1.2%
88.9%	937	953	15	1.6%
90.1%	921	942	21	2.3%
91.4%	914	938	25	2.7%
92.6%	893	913	20	2.2%
93.8%	890	907	17	1.9%
95.1%	850	882	32	3.8%
96.3%	846	877	31	3.7%
97.5%	844	877	33	4.0%
98.8%	837	862	25	3.0%
100.0%	834	842	8	1.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,015	-2	-0.2%
13.6%	1,015	1,013	-2	-0.2%
14.8%	1,015	1,013	-2	-0.2%
16.0%	1,013	1,013	0	0.0%
17.3%	1,012	1,011	-1	-0.1%
18.5%	1,009	1,009	0	0.0%
19.8%	1,008	1,009	1	0.1%
21.0%	1,005	1,008	3	0.3%
22.2%	1,005	1,008	3	0.3%
23.5%	1,004	1,008	4	0.4%
24.7%	1,004	1,007	3	0.3%
25.9%	1,004	1,007	3	0.3%
27.2%	1,003	1,006	4	0.3%
28.4%	1,002	1,006	4	0.4%
29.6%	1,002	1,005	3	0.3%
30.9%	1,001	1,005	3	0.3%
32.1%	1,001	1,004	3	0.3%
33.3%	1,001	1,003	3	0.3%
34.6%	999	1,003	4	0.4%
35.8%	999	1,002	3	0.3%
37.0%	999	1,002	3	0.3%
38.3%	998	1,001	3	0.3%
39.5%	998	1,001	3	0.3%
40.7%	997	1,001	4	0.4%
42.0%	997	1,001	4	0.4%
43.2%	996	1,001	4	0.4%
44.4%	996	1,000	4	0.4%
45.7%	996	1,000	4	0.4%
46.9%	995	999	4	0.4%
48.1%	994	999	4	0.4%
49.4%	994	998	4	0.4%
50.6%	993	998	5	0.5%
51.9%	993	998	5	0.5%
53.1%	992	996	4	0.4%
54.3%	992	996	3	0.3%
55.6%	992	994	2	0.2%
56.8%	992	994	2	0.2%
58.0%	991	994	2	0.2%
59.3%	991	994	2	0.2%
60.5%	991	993	2	0.2%
61.7%	991	993	2	0.2%
63.0%	990	992	2	0.2%
64.2%	989	992	3	0.3%
65.4%	989	991	2	0.2%
66.7%	988	991	3	0.3%
67.9%	985	990	5	0.5%
69.1%	984	990	6	0.6%
70.4%	981	989	8	0.8%
71.6%	981	988	7	0.7%
72.8%	980	988	8	0.9%
74.1%	980	988	8	0.8%
75.3%	976	985	9	0.9%
76.5%	973	984	11	1.1%
77.8%	971	981	10	1.1%
79.0%	968	981	13	1.3%
80.2%	965	980	15	1.6%
81.5%	960	970	11	1.1%
82.7%	958	967	10	1.0%
84.0%	957	967	11	1.1%
85.2%	954	967	13	1.3%
86.4%	949	963	14	1.5%
87.7%	942	954	12	1.3%
88.9%	938	953	15	1.6%
90.1%	919	951	31	3.4%
91.4%	914	931	24	2.7%
92.6%	904	924	20	2.2%
93.8%	886	904	18	2.0%
95.1%	847	877	30	3.6%
96.3%	847	877	31	3.6%
97.5%	844	877	34	4.0%
98.8%	840	870	29	3.5%
100.0%	834	854	20	2.4%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,021	1,021	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,020	1,021	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,019	1,020	0	0.0%
18.5%	1,019	1,019	1	0.1%
19.8%	1,018	1,019	0	0.0%
21.0%	1,018	1,018	1	0.1%
22.2%	1,018	1,018	0	0.0%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,017	0	0.0%
28.4%	1,018	1,017	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,015	1,018	1	0.1%
34.6%	1,015	1,013	-2	-0.2%
35.8%	1,014	1,013	-2	-0.2%
37.0%	1,012	1,013	0	0.0%
38.3%	1,012	1,013	1	0.1%
39.5%	1,010	1,012	2	0.2%
40.7%	1,008	1,011	3	0.3%
42.0%	1,008	1,011	2	0.2%
43.2%	1,006	1,010	2	0.2%
44.4%	1,008	1,009	1	0.1%
45.7%	1,007	1,009	1	0.1%
46.9%	1,007	1,008	1	0.1%
48.1%	1,007	1,008	2	0.2%
49.4%	1,006	1,006	0	0.0%
50.6%	1,005	1,006	1	0.1%
51.9%	1,002	1,004	3	0.3%
53.1%	1,000	1,004	4	0.4%
54.3%	998	1,002	4	0.4%
55.6%	997	1,002	4	0.4%
56.8%	997	1,000	3	0.3%
58.0%	997	1,000	3	0.3%
59.3%	996	999	3	0.3%
60.5%	994	997	3	0.3%
61.7%	994	997	3	0.3%
63.0%	993	997	4	0.4%
64.2%	992	994	2	0.2%
65.4%	992	994	2	0.2%
66.7%	991	993	3	0.3%
67.9%	989	993	5	0.5%
69.1%	986	992	6	0.6%
70.4%	985	990	5	0.5%
71.6%	985	990	5	0.5%
72.8%	984	988	6	0.6%
74.1%	982	987	6	0.7%
75.3%	980	987	7	0.7%
76.5%	979	985	6	0.6%
77.8%	979	982	3	0.3%
79.0%	975	981	6	0.7%
80.2%	974	981	7	0.7%
81.5%	969	970	10	1.1%
82.7%	966	977	11	1.1%
84.0%	966	977	11	1.2%
85.2%	964	975	11	1.2%
86.4%	954	970	16	1.7%
87.7%	953	966	13	1.3%
88.9%	941	958	17	1.8%
90.1%	923	956	33	3.6%
91.4%	915	932	18	1.9%
92.6%	903	930	27	3.0%
93.8%	886	912	27	3.0%
95.1%	885	903	18	2.0%
96.3%	863	901	38	4.4%
97.5%	860	897	37	4.3%
98.8%	859	890	31	3.6%
100.0%	851	861	10	1.2%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,035	1	0.1%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,033	1,034	1	0.1%
6.2%	1,033	1,034	1	0.1%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	



Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.063	1.049	-14	-1.3%	
1.2%	1.048	1.048	0	0.0%	
2.5%	1.047	1.047	0	0.0%	
3.7%	1.045	1.045	0	0.0%	
4.9%	1.044	1.044	0	0.0%	
6.2%	1.044	1.044	0	0.0%	
7.4%	1.044	1.042	-2	-0.2%	
8.6%	1.042	1.042	0	0.0%	
9.9%	1.042	1.041	-1	-0.1%	
11.1%	1.040	1.040	0	0.0%	
12.3%	1.040	1.040	0	0.0%	
13.6%	1.040	1.040	0	0.0%	
14.8%	1.040	1.039	-1	-0.1%	
16.0%	1.039	1.039	0	0.0%	
17.3%	1.039	1.038	-1	-0.1%	
18.5%	1.039	1.038	-1	-0.1%	
19.8%	1.038	1.038	0	0.0%	
21.0%	1.038	1.038	0	0.0%	
22.2%	1.038	1.037	-1	-0.1%	
23.5%	1.037	1.037	0	0.0%	
24.7%	1.036	1.036	0	0.0%	
25.9%	1.035	1.035	0	0.0%	
27.2%	1.035	1.035	0	0.0%	
28.4%	1.034	1.035	1	0.1%	
29.6%	1.034	1.034	0	0.0%	
30.9%	1.034	1.034	0	0.0%	
32.1%	1.034	1.034	0	0.0%	
33.3%	1.034	1.033	-1	-0.1%	
34.6%	1.031	1.032	1	0.1%	
35.8%	1.031	1.031	0	0.0%	
37.0%	1.030	1.031	1	0.1%	
38.3%	1.029	1.030	1	0.1%	
39.5%	1.028	1.030	2	0.2%	
40.7%	1.028	1.029	1	0.1%	
42.0%	1.028	1.029	1	0.1%	
43.2%	1.028	1.028	0	0.0%	
44.4%	1.027	1.028	1	0.1%	
45.7%	1.027	1.028	1	0.1%	
46.9%	1.027	1.027	0	0.0%	
48.1%	1.026	1.026	0	0.0%	
49.4%	1.025	1.025	0	0.0%	
50.6%	1.024	1.024	0	0.0%	
51.9%	1.023	1.024	1	0.1%	
53.1%	1.023	1.024	1	0.1%	
54.3%	1.022	1.022	0	0.0%	
55.6%	1.021	1.022	1	0.1%	
56.8%	1.020	1.021	1	0.1%	
58.0%	1.020	1.020	0	0.0%	
59.3%	1.019	1.019	0	0.0%	
60.5%	1.019	1.019	0	0.0%	
61.7%	1.019	1.019	0	0.0%	
63.0%	1.018	1.019	1	0.1%	
64.2%	1.018	1.019	1	0.1%	
65.4%	1.018	1.018	0	0.0%	
66.7%	1.017	1.018	1	0.1%	
67.9%	1.017	1.018	1	0.1%	
69.1%	1.017	1.017	0	0.0%	
70.4%	1.017	1.017	0	0.0%	
71.6%	1.017	1.017	0	0.0%	
72.8%	1.016	1.017	1	0.1%	
74.1%	1.015	1.017	2	0.2%	
75.3%	1.015	1.017	2	0.2%	
76.5%	1.012	1.014	2	0.2%	
77.8%	1.012	1.013	1	0.1%	
79.0%	1.004	1.009	5	0.5%	
80.2%	999	1.008	10	1.0%	
81.5%	999	1.007	8	0.8%	
82.7%	998	1.004	6	0.6%	
84.0%	997	1.001	4	0.4%	
85.2%	997	1.001	4	0.4%	
86.4%	995	996	1	0.1%	
87.7%	974	989	15	1.6%	
88.9%	973	988	15	1.6%	
90.1%	969	987	18	1.8%	
91.4%	965	987	21	2.2%	
92.6%	964	970	6	0.6%	
93.8%	950	969	19	2.0%	
95.1%	947	960	13	1.4%	
96.3%	916	937	21	2.3%	
97.5%	911	920	10	1.1%	
98.8%	900	917	17	1.8%	
100.0%	890	907	16	1.8%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.062	1.062	0	0.0%	
1.2%	1.057	1.057	0	0.0%	
2.5%	1.056	1.056	0	0.0%	
3.7%	1.056	1.056	0	0.0%	
4.9%	1.056	1.056	0	0.0%	
6.2%	1.055	1.055	0	0.0%	
7.4%	1.055	1.055	0	0.0%	
8.6%	1.055	1.055	0	0.0%	
9.9%	1.055	1.055	0	0.0%	
11.1%	1.055	1.055	0	0.0%	
12.3%	1.054	1.054	0	0.0%	
13.6%	1.053	1.053	0	0.0%	
14.8%	1.052	1.053	1	0.1%	
16.0%	1.052	1.052	0	0.0%	
17.3%	1.051	1.052	1	0.1%	
18.5%	1.051	1.051	0	0.0%	
19.8%	1.051	1.051	0	0.0%	
21.0%	1.051	1.051	0	0.0%	
22.2%	1.050	1.050	0	0.0%	
23.5%	1.050	1.050	0	0.0%	
24.7%	1.050	1.050	0	0.0%	
25.9%	1.048	1.048	0	0.0%	
27.2%	1.048	1.048	0	0.0%	
28.4%	1.048	1.048	0	0.0%	
29.6%	1.048	1.048	0	0.0%	
30.9%	1.048	1.048	0	0.0%	
32.1%	1.047	1.047	0	0.0%	
33.3%	1.047	1.047	1	0.1%	
34.6%	1.046	1.047	1	0.1%	
35.8%	1.046	1.047	1	0.1%	
37.0%	1.046	1.046	0	0.0%	
38.3%	1.046	1.046	0	0.0%	
39.5%	1.046	1.046	0	0.0%	
40.7%	1.045	1.046	1	0.1%	
42.0%	1.045	1.045	0	0.0%	
43.2%	1.045	1.045	0	0.0%	
44.4%	1.043	1.045	2	0.2%	
45.7%	1.043	1.045	2	0.2%	
46.9%	1.043	1.044	1	0.1%	
48.1%	1.043	1.043	0	0.0%	
49.4%	1.042	1.043	1	0.1%	
50.6%	1.040	1.043	3	0.3%	
51.9%	1.040	1.043	3	0.3%	
53.1%	1.040	1.042	2	0.2%	
54.3%	1.039	1.040	1	0.1%	
55.6%	1.038	1.040	2	0.2%	
56.8%	1.037	1.040	3	0.3%	
58.0%	1.037	1.040	3	0.3%	
59.3%	1.036	1.039	3	0.3%	
60.5%	1.036	1.039	3	0.3%	
61.7%	1.035	1.039	4	0.3%	
63.0%	1.034	1.036	2	0.2%	
64.2%	1.032	1.035	3	0.3%	
65.4%	1.031	1.032	1	0.1%	
66.7%	1.030	1.031	1	0.1%	
67.9%	1.029	1.030	1	0.1%	
69.1%	1.028	1.029	1	0.1%	
70.4%	1.028	1.029	1	0.1%	
71.6%	1.027	1.028	1	0.1%	
72.8%	1.025	1.025	0	0.0%	
74.1%	1.024	1.025	1	0.1%	
75.3%	1.024	1.024	0	0.0%	
76.5%	1.024	1.024	0	0.0%	
77.8%	1.024	1.024	0	0.0%	
79.0%	1.024	1.024	1	0.1%	
80.2%	1.023	1.024	1	0.1%	
81.5%	1.020	1.024	4	0.4%	
82.7%	1.015	1.023	8	0.8%	
84.0%	1.012	1.018	6	0.6%	
85.2%	1.010	1.016	7	0.6%	
86.4%	1.007	1.015	8	0.8%	
87.7%	1.004	1.012	8	0.8%	
88.9%	1.002	1.004	2	0.2%	
90.1%	997	1.001	4	0.4%	
91.4%	983	995	11	1.2%	
92.6%	975	993	18	1.8%	
93.8%	972	987	15	1.5%	
95.1%	971	984	13	1.4%	
96.3%	939	952	13	1.4%	
97.5%	937	950	14	1.4%	
98.8%	935	948	13	1.4%	
100.0%	934	944	10	1.1%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.067	1.067	0	0.0%	
1.2%	1.067	1.067	0	0.0%	
2.5%	1.067	1.067	0	0.0%	
3.7%	1.067	1.067	0	0.0%	
4.9%	1.067	1.067	0	0.0%	
6.2%	1.067	1.067	0	0.0%	
7.4%	1.067	1.067	0	0.0%	
8.6%	1.067	1.067	0	0.0%	
9.9%	1.066	1.067	1	0.1%	
11.1%	1.065	1.066	1	0.1%	
12.3%	1.065	1.066	1	0.1%	
13.6%	1.065	1.066	1	0.1%	
14.8%	1.065	1.066	1	0.1%	
16.0%	1.064	1.065	1	0.1%	
17.3%	1.064	1.065	1	0.1%	
18.5%	1.064	1.064	0	0.0%	
19.8%	1.064	1.064	0	0.0%	
21.0%	1.063	1.064	1	0.1%	
22.2%	1.063	1.063	0	0.0%	
23.5%	1.063	1.063	0	0.0%	
24.7%	1.063	1.063	0	0.0%	
25.9%	1.062	1.063	1	0.1%	
27.2%	1.062	1.062	0	0.0%	
28.4%	1.062	1.062	1	0.1%	
29.6%	1.061	1.062	1	0.1%	
30.9%	1.061	1.061	0	0.0%	
32.1%	1.061	1.061	0	0.0%	
33.3%	1.059	1.061	2	0.2%	
34.6%	1.059	1.060	1	0.1%	
35.8%	1.059	1.059	0	0.0%	
37.0%	1.059	1.059	0	0.0%	
38.3%	1.059	1.058	-1	-0.1%	
39.5%	1.058	1.058	0	0.0%	
40.7%	1.058	1.058	0	0.0%	
42.0%	1.058	1.058	0	0.0%	
43.2%	1.057	1.063	6	0.6%	
44.4%	1.057	1.057	0	0.0%	
45.7%	1.056	1.057	1	0.1%	
46.9%	1.056	1.056	0	0.0%	
48.1%	1.055	1.056	1	0.1%	
49.4%	1.053	1.055	2	0.2%	
50.6%	1.053	1.054	1	0.1%	
51.9%	1.052	1.053	1	0.1%	
53.1%	1.052	1.052	0	0.0%	
54.3%	1.051	1.052	1	0.1%	
55.6%	1.050	1.052	2	0.2%	
56.8%	1.050	1.051	1	0.1%	
58.0%	1.050	1.051	1	0.1%	
59.3%	1.049	1.051	2	0.2%	
60.5%	1.049	1.050	1	0.1%	
61.7%	1.048	1.050	2	0.2%	
63.0%	1.048	1.049	1	0.1%	
64.2%	1.047	1.048	1	0.1%	
65.4%	1.046	1.048	2	0.2%	
66.7%	1.045	1.048	3	0.3%	
67.9%	1.045	1.047	2	0.2%	
69.1%	1.044	1.046	2	0.2%	
70.4%	1.043	1.046	3	0.3%	
71.6%	1.042	1.045	3	0.3%	
72.8%	1.041	1.044	3	0.3%	
74.1%	1.041	1.044	3	0.3%	
75.3%	1.040	1.043	3	0.3%	
76.5%	1.039	1.042	3	0.3%	
77.8%	1.038	1.041	3	0.3%	
79.0%	1.038	1.039	1	0.1%	
80.2%	1.035	1.038	3	0	

Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1.065	1.065	0	0.0%
1.2%	1.065	1.065	0	0.0%
2.5%	1.065	1.064	-1	-0.1%
3.7%	1.065	1.063	-2	-0.2%
4.9%	1.065	1.063	-2	-0.2%
6.2%	1.065	1.063	-3	-0.3%
7.4%	1.065	1.062	-3	-0.3%
8.6%	1.065	1.062	-3	-0.3%
9.9%	1.064	1.062	-2	-0.2%
11.1%	1.064	1.062	-2	-0.2%
12.3%	1.064	1.061	-3	-0.3%
13.6%	1.063	1.061	-2	-0.2%
14.8%	1.062	1.061	-2	-0.2%
16.0%	1.060	1.060	0	0.0%
17.3%	1.060	1.060	0	0.0%
18.5%	1.060	1.059	-1	-0.1%
19.8%	1.059	1.059	-1	-0.1%
21.0%	1.059	1.059	-1	-0.1%
22.2%	1.059	1.058	-1	-0.1%
23.5%	1.059	1.058	-1	-0.1%
24.7%	1.058	1.058	0	0.0%
25.9%	1.057	1.058	0	0.0%
27.2%	1.056	1.057	0	0.0%
28.4%	1.056	1.056	0	0.0%
29.6%	1.056	1.056	0	0.0%
30.9%	1.055	1.056	1	0.1%
32.1%	1.055	1.056	1	0.1%
33.3%	1.054	1.056	2	0.2%
34.6%	1.054	1.056	2	0.2%
35.8%	1.054	1.056	2	0.2%
37.0%	1.053	1.056	2	0.2%
38.3%	1.050	1.056	5	0.5%
39.5%	1.049	1.053	4	0.4%
40.7%	1.049	1.053	4	0.4%
42.0%	1.049	1.053	4	0.4%
43.2%	1.047	1.052	5	0.5%
44.4%	1.047	1.052	5	0.5%
45.7%	1.046	1.052	5	0.5%
46.9%	1.046	1.052	5	0.5%
48.1%	1.043	1.051	8	0.7%
49.4%	1.043	1.049	6	0.6%
50.6%	1.042	1.049	7	0.7%
51.9%	1.041	1.048	7	0.7%
53.1%	1.041	1.048	7	0.7%
54.3%	1.039	1.048	8	0.8%
55.6%	1.038	1.046	7	0.7%
56.8%	1.038	1.045	7	0.7%
58.0%	1.038	1.043	5	0.5%
59.3%	1.038	1.043	5	0.5%
60.5%	1.037	1.043	5	0.5%
61.7%	1.034	1.042	8	0.8%
63.0%	1.034	1.041	8	0.8%
64.2%	1.034	1.039	6	0.5%
65.4%	1.030	1.038	8	0.7%
66.7%	1.027	1.033	10	0.9%
67.9%	1.027	1.033	6	0.6%
69.1%	1.025	1.032	7	0.7%
70.4%	1.025	1.030	5	0.5%
71.6%	1.024	1.029	4	0.4%
72.8%	1.022	1.026	4	0.4%
74.1%	1.019	1.026	7	0.7%
75.3%	1.018	1.025	7	0.7%
76.5%	1.016	1.023	7	0.7%
77.8%	1.015	1.021	6	0.6%
79.0%	1.013	1.020	7	0.7%
80.2%	1.012	1.017	5	0.5%
81.5%	1.009	1.015	6	0.6%
82.7%	1.007	1.015	8	0.8%
84.0%	1.002	1.009	8	0.8%
85.2%	1.000	1.009	8	0.8%
86.4%	995	1.006	11	1.1%
87.7%	993	1.006	13	1.3%
88.9%	991	995	4	0.4%
90.1%	990	992	2	0.2%
91.4%	986	986	24	2.5%
92.6%	949	964	15	1.5%
93.8%	942	963	21	2.2%
95.1%	942	961	20	2.1%
96.3%	935	956	21	2.2%
97.5%	931	952	22	2.3%
98.8%	906	929	33	3.6%
100.0%	904	923	19	2.1%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1.053	1.053	0	0.0%
1.2%	1.053	1.053	0	0.0%
2.5%	1.053	1.053	0	0.0%
3.7%	1.053	1.053	0	0.0%
4.9%	1.053	1.049	-4	-0.4%
6.2%	1.053	1.048	-5	-0.5%
7.4%	1.053	1.048	-5	-0.5%
8.6%	1.051	1.048	-4	-0.3%
9.9%	1.051	1.047	-4	-0.4%
11.1%	1.049	1.047	-2	-0.2%
12.3%	1.048	1.047	-2	-0.2%
13.6%	1.048	1.046	-3	-0.3%
14.8%	1.047	1.045	-2	-0.2%
16.0%	1.046	1.045	-2	-0.2%
17.3%	1.046	1.044	-2	-0.2%
18.5%	1.046	1.044	-2	-0.2%
19.8%	1.045	1.043	-1	-0.1%
21.0%	1.044	1.043	-1	-0.1%
22.2%	1.044	1.043	-1	-0.1%
23.5%	1.042	1.042	1	0.1%
24.7%	1.039	1.042	3	0.3%
25.9%	1.038	1.041	3	0.3%
27.2%	1.037	1.040	3	0.3%
28.4%	1.037	1.040	3	0.3%
29.6%	1.037	1.040	3	0.3%
30.9%	1.035	1.039	1	0.2%
32.1%	1.034	1.038	4	0.4%
33.3%	1.034	1.037	3	0.3%
34.6%	1.033	1.036	3	0.3%
35.8%	1.032	1.036	3	0.3%
37.0%	1.029	1.033	4	0.4%
38.3%	1.028	1.033	5	0.5%
39.5%	1.026	1.033	7	0.6%
40.7%	1.024	1.032	8	0.8%
42.0%	1.024	1.031	7	0.7%
43.2%	1.024	1.031	7	0.7%
44.4%	1.024	1.031	8	0.7%
45.7%	1.023	1.031	7	0.7%
46.9%	1.023	1.030	7	0.7%
48.1%	1.023	1.030	7	0.7%
49.4%	1.022	1.030	8	0.8%
50.6%	1.020	1.029	9	0.8%
51.9%	1.019	1.029	9	0.9%
53.1%	1.018	1.028	10	1.0%
54.3%	1.017	1.027	10	1.0%
55.6%	1.017	1.023	6	0.6%
56.8%	1.017	1.023	6	0.6%
58.0%	1.015	1.022	8	0.7%
59.3%	1.015	1.022	7	0.7%
60.5%	1.014	1.021	8	0.8%
61.7%	1.012	1.020	8	0.8%
63.0%	1.011	1.019	8	0.8%
64.2%	1.011	1.015	4	0.4%
65.4%	1.011	1.015	4	0.4%
66.7%	1.005	1.013	8	0.8%
67.9%	1.002	1.009	6	0.6%
69.1%	1.001	1.009	8	0.8%
70.4%	1.000	1.009	9	0.9%
71.6%	1.000	1.008	9	0.9%
72.8%	998	1.006	8	0.8%
74.1%	996	1.004	8	0.8%
75.3%	996	1.004	8	0.8%
76.5%	996	1.004	8	0.8%
77.8%	996	1.003	7	0.8%
79.0%	993	1.002	8	0.8%
80.2%	991	1.001	10	1.0%
81.5%	988	995	6	0.6%
82.7%	988	992	4	0.4%
84.0%	977	991	14	1.4%
85.2%	962	990	15	1.6%
86.4%	974	987	13	1.3%
87.7%	968	983	15	1.5%
88.9%	962	975	13	1.3%
90.1%	961	968	7	0.8%
91.4%	938	966	28	2.9%
92.6%	930	943	13	1.4%
93.8%	925	939	14	1.5%
95.1%	922	936	14	1.5%
96.3%	900	932	32	3.5%
97.5%	892	924	28	3.1%
98.8%	862	905	43	5.0%
100.0%	855	896	40	4.7%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1.036	1.036	0	0.0%
1.2%	1.036	1.036	0	0.0%
2.5%	1.036	1.036	0	0.0%
3.7%	1.036	1.036	0	0.0%
4.9%	1.036	1.036	0	0.0%
6.2%	1.036	1.036	0	0.0%
7.4%	1.036	1.036	0	0.0%
8.6%	1.036	1.036	0	0.0%
9.9%	1.036	1.036	0	0.0%
11.1%	1.036	1.036	-1	-0.1%
12.3%	1.036	1.036	-1	-0.1%
13.6%	1.036	1.036	-1	-0.1%
14.8%	1.036	1.033	-4	-0.4%
16.0%	1.036	1.032	-4	-0.3%
17.3%	1.034	1.032	-2	-0.2%
18.5%	1.034	1.032	-1	-0.1%
19.8%	1.033	1.032	-1	-0.1%
21.0%	1.031	1.032	0	0.0%
22.2%	1.031	1.031	0	0.0%
23.5%	1.031	1.030	-1	-0.1%
24.7%	1.028	1.029	2	0.2%
25.9%	1.025	1.028	4	0.3%
27.2%	1.023	1.028	6	0.5%
28.4%	1.023	1.027	5	0.5%
29.6%	1.021	1.027	6	0.6%
30.9%	1.021	1.027	6	0.6%
32.1%	1.019	1.027	7	0.7%
33.3%	1.019	1.026	7	0.7%
34.6%	1.019	1.025	5	0.5%
35.8%	1.019	1.024	5	0.5%
37.0%	1.018	1.024	5	0.5%
38.3%	1.016	1.023	7	0.7%
39.5%	1.015	1.022	7	0.7%
40.7%	1.011	1.021	10	1.0%
42.0%	1.011	1.016	5	0.5%
43.2%	1.010	1.019	9	0.9%
44.4%	1.010	1.017	7	0.7%
45.7%	1.009	1.017	7	0.7%
46.9%	1.009	1.016	7	0.7%
48.1%	1.007	1.016	9	0.8%
49.4%	1.007	1.015	9	0.9%
50.6%	1.006	1.015	8	0.8%
51.9%	1.005	1.015	10	1.0%
53.1%	1.003	1.014	11	1.1%
54.3%	1.003	1.013	10	1.0%
55.6%	1.002	1.010	7	0.7%
56.8%	1.002	1.009	6	0.6%
58.0%	1.002	1.008	6	0.6%
59.3%	1.002	1.007	5	0.5%
60.5%	1.002	1.007	5	0.5%
61.7%	1.001	1.007	6	0.6%
63.0%	1.000	1.007	6	0.6%
64.2%	996	1.005	9	0.9%
65.4%	995	1.002	7	0.7%
66.7%	994	1.001	7	0.7%
67.9%	994	996	2	0.2%
69.1%	991	995	5	0.5%
70.4%	985	995	10	1.0%
71.6%	988	993	5	0.5%
72.8%	987	993	6	0.6%
74.1%	987	993	6	0.6%
75.3%	984	992	8	0.8%
76.5%	982	992	10	1.0%
77.8%	979	990	10	1.1%
79.0%	979	988	10	1.0%
80.2%	973	987	14	1.5%
81.5%	973	985	13	1.3%
82.7%	967	978	11	1.2%
84.0%	966	977	11	1.2%
85.2%	962	977	15	1.6%
86.4%	956	972	15	1.6%
87.7%	952	967	14	1.5%
88.9%	947	959	12	1.3%
90.1%	935	952	16	1.7%
91.4%	925	952	27	2.9%
92.6%	909	924	15	1.7%
93.8%	907	919	12	1.3%
95.1%	877	903	26	2.9%
96.3%	862	902	40	4.7%
97.5%	847	902	41	4.7%
98.8%	844	878	34	4.0%
100.0%	834	866	32	3.8%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1.023	1.023	0	0.0%
1.2%	1.023	1.023	0	0.0%
2.5%	1.02			

Table SW-09-a  
Shasta Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	20,106	19,878	20,853	22,401	23,883	25,699	27,052	27,162	25,710	23,292	21,606	20,557
DCR 2015 With Project	20,834	20,529	21,373	22,820	24,137	25,981	27,364	27,530	26,302	24,020	22,420	21,286
Difference	728	651	521	419	254	282	313	368	592	728	814	729
Percent Difference <sup>2</sup>	3.6%	3.3%	2.5%	1.9%	1.1%	1.1%	1.2%	1.4%	2.3%	3.1%	3.8%	3.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	22,661	21,850	22,788	24,800	25,924	26,966	28,991	29,664	28,861	27,024	25,422	23,141
DCR 2015 With Project	22,801	21,889	22,808	24,878	25,711	26,914	28,994	29,659	28,816	26,925	25,423	23,187
Difference	140	39	20	79	-214	-51	3	-5	-45	-99	1	47
Percent Difference	0.6%	0.2%	0.1%	0.3%	-0.8%	-0.2%	0.0%	0.0%	-0.2%	-0.4%	0.0%	0.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	22,136	21,193	22,306	23,089	24,603	27,424	29,371	29,680	28,152	25,447	23,702	22,665
DCR 2015 With Project	22,949	22,030	22,657	23,491	24,809	27,592	29,504	29,699	28,492	26,014	24,591	23,664
Difference	813	837	351	402	207	168	134	19	340	567	888	1,000
Percent Difference	3.7%	3.9%	1.6%	1.7%	0.8%	0.6%	0.5%	0.1%	1.2%	2.2%	3.7%	4.4%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	21,541	21,944	22,393	22,127	24,023	25,986	27,788	27,897	26,350	23,825	22,139	21,761
DCR 2015 With Project	22,352	22,507	22,773	22,595	24,343	26,280	28,055	28,225	27,132	24,775	23,201	22,752
Difference	811	563	380	468	320	294	268	328	781	951	1,061	991
Percent Difference	3.8%	2.6%	1.7%	2.1%	1.3%	1.1%	1.0%	1.2%	3.0%	4.0%	4.8%	4.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	19,300	19,735	21,051	21,504	23,482	25,927	26,641	26,266	24,397	21,641	20,006	19,778
DCR 2015 With Project	20,199	20,508	21,701	21,935	23,836	26,283	27,006	26,711	25,251	22,734	21,053	20,559
Difference	899	772	650	431	354	356	364	445	853	1,094	1,048	781
Percent Difference	4.7%	3.9%	3.1%	2.0%	1.5%	1.4%	1.4%	1.7%	3.5%	5.1%	5.2%	4.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	12,078	12,096	13,112	18,181	19,179	20,556	20,287	19,710	17,660	14,903	13,020	12,617
DCR 2015 With Project	13,640	13,807	14,855	19,280	20,266	21,549	21,425	21,166	19,271	16,777	14,885	14,168
Difference	1,562	1,711	1,744	1,100	1,087	994	1,138	1,456	1,611	1,874	1,865	1,551
Percent Difference	12.9%	14.1%	13.3%	6.0%	5.7%	4.8%	5.6%	7.4%	9.1%	12.6%	14.3%	12.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

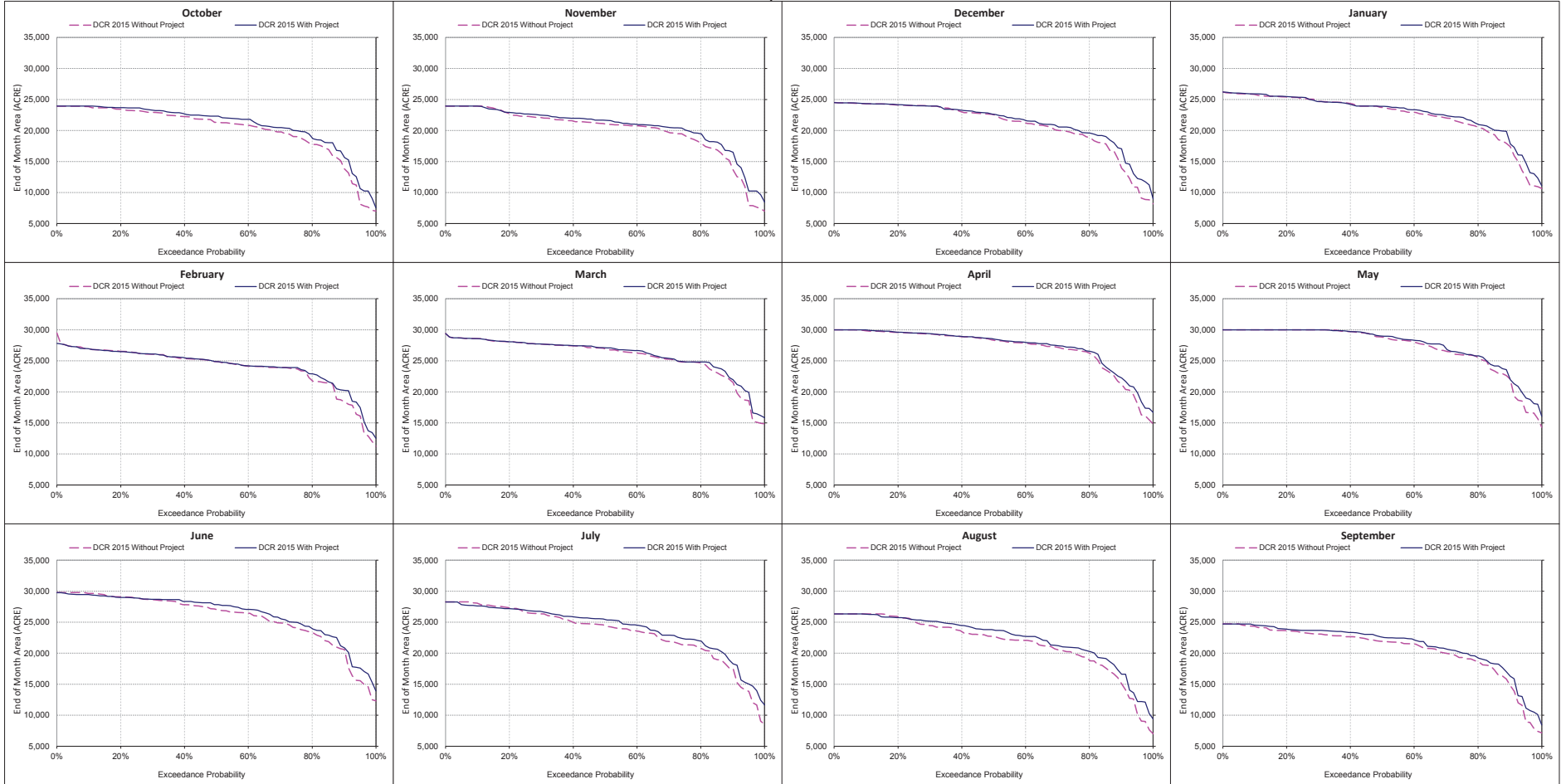


Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,915	23,927	12	0.0%
8.6%	23,881	23,927	45	0.2%
9.9%	23,855	23,927	71	0.3%
11.1%	23,659	23,927	267	1.1%
12.3%	23,659	23,886	226	1.0%
13.6%	23,659	23,863	204	0.9%
14.8%	23,659	23,787	128	0.5%
16.0%	23,659	23,743	84	0.4%
17.3%	23,624	23,735	111	0.5%
18.5%	23,446	23,685	239	1.0%
19.8%	23,432	23,678	247	1.1%
21.0%	23,318	23,677	359	1.5%
22.2%	23,239	23,659	421	1.8%
23.5%	23,229	23,659	430	1.9%
24.7%	23,193	23,659	467	2.0%
25.9%	23,168	23,642	475	2.0%
27.2%	23,080	23,445	374	1.6%
28.4%	22,943	23,470	527	2.2%
29.6%	22,934	23,257	323	1.4%
30.9%	22,906	23,233	326	1.4%
32.1%	22,858	23,232	374	1.6%
33.3%	22,819	23,187	368	1.6%
34.6%	22,461	23,003	542	2.4%
35.8%	22,427	22,912	484	2.2%
37.0%	22,400	22,890	490	2.2%
38.3%	22,295	22,884	588	2.6%
39.5%	22,268	22,727	459	2.1%
40.7%	22,224	22,666	343	1.5%
42.0%	22,182	22,692	309	1.4%
43.2%	21,865	22,483	619	2.8%
44.4%	21,838	22,470	632	2.9%
45.7%	21,828	22,384	555	2.5%
46.9%	21,802	22,347	545	2.5%
48.1%	21,753	22,328	575	2.6%
49.4%	21,320	22,315	995	4.7%
50.6%	21,302	22,304	1,002	4.7%
51.9%	21,258	22,076	818	3.8%
53.1%	21,247	22,001	754	3.5%
54.3%	21,154	21,978	824	3.9%
55.6%	21,069	21,927	858	4.1%
56.8%	21,030	21,892	861	4.0%
58.0%	20,964	21,823	859	4.1%
59.3%	20,872	21,810	938	4.5%
60.5%	20,816	21,807	991	4.8%
61.7%	20,655	21,376	721	3.5%
63.0%	20,553	21,039	486	2.4%
64.2%	20,366	20,764	397	2.0%
65.4%	20,167	20,724	556	2.8%
66.7%	20,123	20,634	510	2.5%
67.9%	19,916	20,517	602	3.0%
69.1%	19,779	20,474	696	3.5%
70.4%	19,776	20,459	683	3.4%
71.6%	19,461	20,383	922	4.7%
72.8%	19,418	20,334	917	4.7%
74.1%	19,024	20,015	991	5.2%
75.3%	19,002	19,950	948	5.0%
76.5%	18,770	19,831	1,061	5.7%
77.8%	18,417	19,774	1,357	7.4%
79.0%	17,997	19,446	1,449	8.1%
80.2%	17,751	18,675	924	5.2%
81.5%	17,743	18,516	772	4.4%
82.7%	17,547	18,477	930	5.3%
84.0%	17,217	18,079	862	5.0%
85.2%	16,933	18,056	1,123	6.6%
86.4%	15,898	18,015	2,117	13.3%
87.7%	15,646	18,807	1,161	7.4%
88.9%	15,157	18,712	1,555	10.3%
90.1%	13,810	15,637	1,826	13.2%
91.4%	13,185	15,242	2,077	15.8%
92.6%	11,424	13,063	1,640	14.4%
93.8%	11,198	12,574	1,376	12.3%
95.1%	8,119	10,615	2,495	30.7%
96.3%	7,628	10,244	2,616	30.9%
97.5%	7,652	10,544	2,892	33.8%
98.8%	7,129	9,053	1,924	27.0%
100.0%	7,002	7,530	528	7.5%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,937	0	0.0%
11.1%	23,937	23,880	-57	-0.2%
12.3%	23,937	23,696	-241	-1.0%
13.6%	23,750	23,455	-295	-1.2%
14.8%	23,647	23,431	-216	-0.9%
16.0%	23,423	23,388	-35	-0.1%
17.3%	23,309	23,232	-76	-0.3%
18.5%	22,986	22,961	-26	-0.1%
19.8%	22,769	22,900	131	0.6%
21.0%	22,454	22,872	418	1.9%
22.2%	22,449	22,849	357	1.6%
23.5%	22,308	22,791	483	2.2%
24.7%	22,285	22,652	367	1.6%
25.9%	22,284	22,648	364	1.6%
27.2%	22,206	22,637	431	1.9%
28.4%	22,114	22,576	462	2.1%
29.6%	22,109	22,495	387	1.7%
30.9%	22,095	22,424	330	2.0%
32.1%	21,978	22,384	405	1.8%
33.3%	21,910	22,219	308	1.4%
34.6%	21,739	22,208	470	2.2%
35.8%	21,719	22,053	334	1.5%
37.0%	21,686	22,044	358	1.6%
38.3%	21,598	22,018	420	1.9%
39.5%	21,572	21,983	411	1.9%
40.7%	21,424	21,960	536	2.5%
42.0%	21,417	21,953	536	2.5%
43.2%	21,406	21,867	461	2.1%
44.4%	21,333	21,858	525	2.5%
45.7%	21,298	21,852	554	2.6%
46.9%	21,229	21,683	454	2.1%
48.1%	21,155	21,678	523	2.5%
49.4%	21,129	21,559	430	2.0%
50.6%	21,000	21,636	636	3.0%
51.9%	20,982	21,569	588	2.8%
53.1%	20,908	21,359	451	2.2%
54.3%	20,908	21,335	427	2.0%
55.6%	20,883	21,159	275	1.3%
56.8%	20,847	21,147	301	1.4%
58.0%	20,765	21,048	283	1.4%
59.3%	20,759	21,047	287	1.4%
60.5%	20,748	20,949	201	1.0%
61.7%	20,682	20,941	258	1.2%
63.0%	20,615	20,916	302	1.5%
64.2%	20,478	20,879	401	2.0%
65.4%	20,459	20,759	300	1.5%
66.7%	20,350	20,755	405	2.0%
67.9%	20,034	20,662	628	3.1%
69.1%	19,857	20,559	702	3.5%
70.4%	19,635	20,478	841	4.3%
71.6%	19,601	20,415	814	4.2%
72.8%	19,474	20,412	938	4.8%
74.1%	19,464	20,374	910	4.7%
75.3%	19,105	20,049	944	4.9%
76.5%	18,783	19,882	1,099	5.8%
77.8%	18,576	19,640	1,064	5.7%
79.0%	18,283	19,588	1,306	7.1%
80.2%	17,908	19,457	1,550	8.7%
81.5%	17,423	18,504	1,081	6.2%
82.7%	17,217	18,203	986	5.7%
84.0%	17,096	18,199	1,103	6.5%
85.2%	16,933	18,132	1,292	7.7%
86.4%	16,330	17,751	1,422	8.7%
87.7%	15,560	16,806	1,246	8.0%
88.9%	15,204	16,772	1,567	10.3%
90.1%	13,636	16,568	2,868	21.0%
91.4%	12,554	14,581	2,026	16.1%
92.6%	12,302	14,007	1,705	13.9%
93.8%	10,951	12,342	1,392	12.7%
95.1%	7,905	10,244	2,340	29.6%
96.3%	7,879	10,244	2,365	30.0%
97.5%	7,654	9,638	2,009	24.2%
98.8%	7,382	9,650	2,268	30.7%
100.0%	7,002	8,447	1,445	20.6%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,514	24,514	0	0.0%
1.2%	24,479	24,461	-18	0.0%
2.5%	24,455	24,455	0	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,439	24,445	5	0.0%
6.2%	24,397	24,439	43	0.2%
7.4%	24,381	24,397	16	0.1%
8.6%	24,343	24,381	37	0.2%
9.9%	24,311	24,343	32	0.1%
11.1%	24,295	24,311	16	0.1%
12.3%	24,284	24,295	11	0.0%
13.6%	24,279	24,284	5	0.0%
14.8%	24,279	24,282	3	0.0%
16.0%	24,247	24,279	32	0.1%
17.3%	24,226	24,247	21	0.1%
18.5%	24,147	24,226	79	0.3%
19.8%	24,114	24,156	43	0.2%
21.0%	24,065	24,147	82	0.3%
22.2%	24,064	24,114	50	0.2%
23.5%	24,026	24,065	40	0.2%
24.7%	24,017	24,017	0	0.0%
25.9%	24,013	24,007	-6	0.0%
27.2%	24,012	23,996	-16	-0.1%
28.4%	24,007	23,969	-38	-0.2%
29.6%	23,938	23,938	0	0.0%
30.9%	23,937	23,937	0	0.0%
32.1%	23,937	23,937	0	0.0%
33.3%	23,740	23,810	71	0.3%
34.6%	23,639	23,447	-192	-0.8%
35.8%	23,615	23,419	-196	-0.8%
37.0%	23,374	23,413	39	0.2%
38.3%	23,298	23,403	104	0.4%
39.5%	23,069	23,321	252	1.1%
40.7%	22,883	23,202	318	1.4%
42.0%	22,155	24,012	2,797	12.6%
43.2%	22,872	23,127	255	1.1%
44.4%	22,799	22,972	174	0.8%
45.7%	22,758	22,905	148	0.6%
46.9%	22,708	22,854	146	0.6%
48.1%	22,652	22,841	189	0.8%
49.4%	22,630	22,638	8	0.0%
50.6%	22,479	22,555	76	0.3%
51.9%	22,057	22,998	941	4.3%
53.1%	21,809	22,342	533	2.4%
54.3%	21,638	22,117	478	2.2%
55.6%	21,525	22,052	525	2.4%
56.8%	21,496	21,897	401	1.9%
58.0%	21,495	21,895	400	1.9%
59.3%	21,365	21,751	386	1.8%
60.5%	21,135	21,527	392	1.9%
61.7%	21,106	21,523	417	2.0%
63.0%	20,965	21,506	541	2.6%
64.2%	20,884	21,168	284	1.4%
65.4%	20,827	21,053	226	1.1%
66.7%	20,685	20,994	308	1.5%
67.9%	20,549	20,975	426	2.1%
69.1%	20,135	20,912	777	3.9%
70.4%	20,005	20,580	575	2.9%
71.6%	19,975	20,568	593	3.0%
72.8%	19,874	20,545	671	3.4%
74.1%	19,727	20,465	738	3.7%
75.3%	19,486	20,189	703	3.6%
76.5%	19,395	19,985	590	3.0%
77.8%	19,385	19,647	262	1.4%
79.0%	18,989	19,638	6	

Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,490	27,790	-1,700	-5.8%
1.2%	27,726	27,726	0	0.0%
2.5%	27,607	27,607	0	0.0%
3.7%	27,391	27,391	0	0.0%
4.9%	27,288	27,288	0	0.0%
6.2%	27,262	27,262	0	0.0%
7.4%	27,243	26,979	-264	-1.0%
8.6%	26,979	26,979	0	0.0%
9.9%	26,979	26,936	-43	-0.2%
11.1%	26,810	26,807	-3	0.0%
12.3%	26,796	26,796	0	0.0%
13.6%	26,774	26,748	-26	-0.1%
14.8%	26,748	26,075	-773	-3.3%
16.0%	26,675	26,651	-23	-0.1%
17.3%	26,654	26,627	-27	-0.1%
18.5%	26,651	26,512	-140	-0.5%
19.8%	26,527	26,505	-22	-0.1%
21.0%	26,512	26,479	-32	-0.1%
22.2%	26,505	26,400	-105	-0.4%
23.5%	26,400	26,340	-60	-0.2%
24.7%	26,298	26,298	0	0.0%
25.9%	26,197	26,197	0	0.0%
27.2%	26,122	26,162	40	0.2%
28.4%	26,085	26,122	37	0.1%
29.6%	26,085	26,085	0	0.0%
30.9%	26,053	26,085	32	0.1%
32.1%	26,000	25,989	-11	0.0%
33.3%	25,989	25,944	-45	-0.2%
34.6%	25,634	25,732	98	0.4%
35.8%	25,620	25,634	14	0.1%
37.0%	25,583	25,620	37	0.1%
38.3%	25,422	25,583	160	0.6%
39.5%	25,348	25,551	203	0.8%
40.7%	25,347	25,426	79	0.3%
42.0%	25,310	25,410	100	0.4%
43.2%	25,279	25,348	69	0.3%
44.4%	25,225	25,279	53	0.2%
45.7%	25,195	25,254	59	0.2%
46.9%	25,155	25,155	0	0.0%
48.1%	25,059	25,059	0	0.0%
49.4%	24,893	24,893	0	0.0%
50.6%	24,851	24,851	0	0.0%
51.9%	24,687	24,755	68	0.3%
53.1%	24,678	24,745	67	0.3%
54.3%	24,602	24,556	-45	-0.2%
55.6%	24,481	24,510	28	0.1%
56.8%	24,357	24,461	105	0.4%
58.0%	24,305	24,271	-33	-0.1%
59.3%	24,151	24,199	48	0.2%
60.5%	24,131	24,186	55	0.2%
61.7%	24,130	24,151	21	0.1%
63.0%	24,095	24,150	55	0.2%
64.2%	24,086	24,130	44	0.2%
65.4%	24,044	24,095	51	0.2%
66.7%	23,938	24,064	126	0.5%
67.9%	23,937	24,031	94	0.4%
69.1%	23,937	23,944	7	0.0%
70.4%	23,937	23,938	1	0.0%
71.6%	23,923	23,937	14	0.1%
72.8%	23,821	23,937	116	0.5%
74.1%	23,715	23,937	222	0.9%
75.3%	23,703	23,937	234	1.0%
76.5%	23,380	23,972	191	0.8%
77.8%	23,370	23,465	95	0.4%
79.0%	22,294	22,928	634	2.8%
80.2%	21,695	22,869	1,174	5.4%
81.5%	21,694	22,705	1,011	4.7%
82.7%	21,598	22,296	698	3.2%
84.0%	21,483	21,989	505	2.4%
85.2%	21,445	21,598	153	0.7%
86.4%	21,264	21,405	141	0.7%
87.7%	18,831	20,474	1,644	8.7%
88.9%	18,735	20,343	1,609	8.6%
90.1%	18,397	20,240	1,844	10.0%
91.4%	18,001	20,212	2,211	12.3%
92.6%	17,641	18,472	831	3.5%
93.8%	16,394	18,360	1,966	12.0%
95.1%	16,113	17,466	1,353	8.4%
96.3%	13,316	15,126	1,809	13.6%
97.5%	12,885	13,724	839	6.5%
98.8%	12,018	13,417	1,399	11.6%
100.0%	11,549	12,549	1,000	11.7%

Percent Exceedance Probability (%)	March			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,394	29,394	0	0.0%
1.2%	28,833	28,833	0	0.0%
2.5%	28,715	28,715	0	0.0%
3.7%	28,700	28,700	0	0.0%
4.9%	28,687	28,687	0	0.0%
6.2%	28,614	28,614	0	0.0%
7.4%	28,603	28,603	0	0.0%
8.6%	28,601	28,601	0	0.0%
9.9%	28,580	28,580	0	0.0%
11.1%	28,579	28,556	-23	-0.1%
12.3%	28,484	28,458	-26	-0.1%
13.6%	28,326	28,326	0	0.0%
14.8%	28,185	28,302	117	0.4%
16.0%	28,163	28,185	22	0.1%
17.3%	28,138	28,163	25	0.1%
18.5%	28,109	28,138	29	0.1%
19.8%	28,086	28,086	0	0.0%
21.0%	28,082	28,082	0	0.0%
22.2%	28,001	28,001	0	0.0%
23.5%	27,936	27,993	57	0.2%
24.7%	27,902	27,936	34	0.1%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,723	27,723	0	0.0%
30.9%	27,674	27,674	0	0.0%
32.1%	27,631	27,631	0	0.0%
33.3%	27,546	27,631	86	0.3%
34.6%	27,527	27,560	34	0.1%
35.8%	27,501	27,546	45	0.2%
37.0%	27,481	27,527	45	0.2%
38.3%	27,444	27,501	56	0.2%
39.5%	27,430	27,481	51	0.2%
40.7%	27,410	27,444	35	0.1%
42.0%	27,422	27,430	8	0.0%
43.2%	27,374	27,374	0	0.0%
44.4%	27,129	27,390	261	1.0%
45.7%	27,117	27,374	256	0.9%
46.9%	27,093	27,197	104	0.4%
48.1%	27,086	27,130	43	0.2%
49.4%	27,030	27,115	86	0.3%
50.6%	26,805	27,093	288	1.1%
51.9%	26,759	27,086	327	1.2%
53.1%	26,752	26,942	190	0.7%
54.3%	26,584	26,788	204	0.8%
55.6%	26,463	26,785	322	1.1%
56.8%	26,409	26,752	343	1.3%
58.0%	26,360	26,707	347	1.3%
59.3%	26,310	26,642	331	1.3%
60.5%	26,228	26,635	407	1.6%
61.7%	26,155	26,584	429	1.6%
63.0%	26,037	26,256	219	0.8%
64.2%	25,787	26,119	331	1.3%
65.4%	25,665	25,844	179	0.7%
66.7%	25,513	25,713	200	0.8%
67.9%	25,444	25,481	37	0.1%
69.1%	25,283	25,444	161	0.6%
70.4%	25,259	25,356	96	0.4%
71.6%	25,165	25,283	118	0.5%
72.8%	24,915	24,956	41	0.2%
74.1%	24,816	24,915	99	0.4%
75.3%	24,813	24,828	15	0.1%
76.5%	24,813	24,819	5	0.0%
77.8%	24,813	24,816	3	0.0%
79.0%	24,748	24,813	66	0.3%
80.2%	24,653	24,813	161	0.7%
81.5%	24,346	24,813	468	1.9%
82.7%	23,689	24,724	1,035	4.4%
84.0%	23,337	24,026	689	3.0%
85.2%	23,052	23,855	803	3.5%
86.4%	22,681	23,711	1,030	4.5%
87.7%	22,396	23,337	941	4.2%
88.9%	22,042	22,318	276	1.3%
90.1%	21,485	21,960	474	2.2%
91.4%	19,801	21,474	1,673	8.5%
92.6%	18,970	20,932	1,962	10.3%
93.8%	18,685	20,200	1,515	8.1%
95.1%	18,581	19,932	1,352	7.3%
96.3%	15,294	16,598	1,304	8.5%
97.5%	15,124	16,469	1,345	9.0%
98.8%	14,939	16,174	1,235	8.3%
100.0%	14,846	15,811	965	6.5%

Percent Exceedance Probability (%)	April			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	29,974	30,000	26	0.1%
8.6%	29,953	30,000	46	0.2%
9.9%	29,857	29,974	117	0.4%
11.1%	29,788	29,897	109	0.4%
12.3%	29,782	29,857	75	0.3%
13.6%	29,776	29,828	52	0.2%
14.8%	29,737	29,826	89	0.3%
16.0%	29,686	29,788	102	0.3%
17.3%	29,675	29,776	101	0.3%
18.5%	29,607	29,686	79	0.3%
19.8%	29,588	29,607	20	0.1%
21.0%	29,568	29,588	20	0.1%
22.2%	29,516	29,568	52	0.2%
23.5%	29,493	29,502	8	0.0%
24.7%	29,484	29,493	9	0.0%
25.9%	29,426	29,465	39	0.1%
27.2%	29,372	29,459	87	0.3%
28.4%	29,362	29,438	76	0.3%
29.6%	29,336	29,376	40	0.1%
30.9%	29,299	29,339	40	0.1%
32.1%	29,272	29,278	6	0.0%
33.3%	29,096	29,229	132	0.5%
34.6%	29,062	29,204	142	0.5%
35.8%	29,051	29,096	45	0.2%
37.0%	29,048	29,042	-6	0.0%
38.3%	29,042	28,972	-70	-0.2%
39.5%	28,901	28,970	70	0.2%
40.7%	28,876	28,876	0	0.0%
42.0%	28,871	28,874	3	0.0%
43.2%	28,820	28,874	51	0.2%
44.4%	28,744	28,760	16	0.1%
45.7%	28,626	28,744	118	0.4%
46.9%	28,621	28,684	63	0.2%
48.1%	28,561	28,638	76	0.3%
49.4%	28,374	28,561	187	0.7%
50.6%	28,264	28,472	208	0.7%
51.9%	28,219	28,374	154	0.5%
53.1%	28,194	28,219	25	0.1%
54.3%	28,035	28,194	160	0.6%
55.6%	27,989	28,150	161	0.6%
56.8%	27,949	28,071	122	0.4%
58.0%	27,908	28,064	156	0.6%
59.3%	27,880	28,035	154	0.6%
60.5%	27,829	27,949	120	0.4%
61.7%	27,692	27,909	217	0.8%
63.0%	27,664	27,880	216	0.8%
64.2%	27,557	27,778	221	0.8%
65.4%	27,511	27,763	252	0.9%
66.7%	27,335	27,763	428	1.6%
67.9%	27,319	27,573	253	0.9%
69.1%	27,286	27,521	234	0.9%
70.4%	27,151	27,435	284	1.0%
71.6%	26,975	27,387	412	1.5%
72.8%	26,834	27,222	388	1.4%
74.1%	26,834	27,209	375	1.4%
75.3%	26,762	27,153	392	1.5%
76.5%	26,699	26,957	257	1.0%
77.8%	26,553	26,935	382	1.4%
79.0%	26,473	26,594	121	0.5%
80.2%	26,169	26,522	352	1.3%
81.5%	25,751	26,373	622	2.4%
82.7%</				

Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,659	-118	-0.4%
3.7%	29,776	29,565	-211	-0.7%
4.9%	29,776	29,509	-268	-0.9%
6.2%	29,776	29,473	-303	-1.0%
7.4%	29,776	29,445	-331	-1.1%
8.6%	29,776	29,440	-337	-1.1%
9.9%	29,636	29,439	-197	-0.7%
11.1%	29,634	29,391	-243	-0.8%
12.3%	29,632	29,311	-321	-1.1%
13.6%	29,527	29,256	-271	-0.9%
14.8%	29,442	29,244	-197	-0.7%
16.0%	29,136	29,167	31	0.1%
17.3%	29,131	29,140	9	0.0%
18.5%	29,104	29,021	-83	-0.3%
19.8%	29,091	29,007	-84	-0.3%
21.0%	29,004	29,004	0	0.0%
22.2%	29,046	29,075	29	0.1%
23.5%	29,013	28,945	-68	-0.2%
24.7%	28,870	28,907	37	0.1%
25.9%	28,805	28,860	55	0.2%
27.2%	28,711	28,746	35	0.1%
28.4%	28,683	28,727	44	0.2%
29.6%	28,653	28,665	12	0.1%
30.9%	28,593	28,675	82	1.1%
32.1%	28,512	28,674	163	0.6%
33.3%	28,465	28,665	199	0.7%
34.6%	28,451	28,643	192	0.7%
35.8%	28,413	28,636	223	0.8%
37.0%	28,347	28,633	285	1.0%
38.3%	28,000	28,631	632	2.3%
39.5%	27,829	28,366	537	1.9%
40.7%	27,809	28,342	532	1.9%
42.0%	27,796	28,334	538	1.9%
43.2%	27,658	28,236	578	2.1%
44.4%	27,613	28,157	544	2.0%
45.7%	27,497	28,153	656	2.4%
46.9%	27,478	28,141	663	2.4%
48.1%	27,177	28,115	937	3.4%
49.4%	27,123	28,096	973	3.6%
50.6%	26,953	27,815	862	3.2%
51.9%	26,862	27,711	849	3.2%
53.1%	26,842	27,700	857	3.2%
54.3%	26,647	27,665	1,018	3.8%
55.6%	26,630	27,483	853	3.2%
56.8%	26,567	27,408	841	3.2%
58.0%	26,548	27,136	588	2.2%
59.3%	26,485	27,068	584	2.2%
60.5%	26,424	27,060	636	2.4%
61.7%	26,050	27,020	969	3.7%
63.0%	25,996	26,928	931	3.6%
64.2%	25,981	26,659	677	2.6%
65.4%	25,581	26,524	943	3.7%
66.7%	25,123	26,295	1,172	4.7%
67.9%	25,117	25,864	747	3.0%
69.1%	24,907	25,810	903	3.6%
70.4%	24,877	25,532	655	2.6%
71.6%	24,828	25,377	549	2.2%
72.8%	24,554	25,047	493	2.0%
74.1%	24,156	25,000	844	3.5%
75.3%	24,089	24,952	863	3.6%
76.5%	23,791	24,706	915	3.8%
77.8%	23,659	24,385	725	3.1%
79.0%	23,462	24,339	878	3.7%
80.2%	23,292	23,892	601	2.6%
81.5%	22,914	23,695	781	3.4%
82.7%	22,695	23,637	942	4.2%
84.0%	22,037	22,907	870	4.4%
85.2%	21,865	22,504	1,039	4.8%
86.4%	21,270	22,638	1,368	6.4%
87.7%	20,979	22,533	1,554	7.4%
88.9%	20,717	21,214	497	2.4%
90.1%	20,594	20,842	248	1.2%
91.4%	17,647	19,121	1,474	14.0%
92.6%	16,325	17,816	1,491	9.1%
93.8%	15,629	17,735	2,105	13.5%
95.1%	15,568	17,588	2,019	13.0%
96.3%	14,969	17,064	2,095	14.0%
97.5%	14,582	16,870	2,288	15.6%
98.8%	12,511	15,304	2,793	22.3%
100.0%	12,316	13,922	1,606	13.0%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,275	0	0.0%
3.7%	28,275	28,273	-2	-0.0%
4.9%	28,275	27,831	-444	-1.6%
6.2%	28,275	27,748	-527	-1.9%
7.4%	28,275	27,702	-573	-2.0%
8.6%	28,120	27,700	-420	-1.5%
9.9%	28,075	27,609	-466	-1.7%
11.1%	27,812	27,599	-212	-0.8%
12.3%	27,755	27,558	-196	-0.7%
13.6%	27,751	27,425	-327	-1.2%
14.8%	27,625	27,357	-268	-1.0%
16.0%	27,533	27,305	-228	-0.8%
17.3%	27,533	27,282	-251	-0.9%
18.5%	27,441	27,194	-247	-0.9%
19.8%	27,350	27,172	-178	-0.7%
21.0%	27,224	27,150	-74	-0.3%
22.2%	27,209	27,115	-93	-0.3%
23.5%	26,983	27,058	76	0.3%
24.7%	26,634	26,970	336	1.3%
25.9%	26,500	26,834	334	1.3%
27.2%	26,438	26,794	356	1.3%
28.4%	26,402	26,777	375	1.4%
29.6%	26,352	26,760	407	1.5%
30.9%	26,332	26,629	297	1.1%
32.1%	26,054	26,515	460	1.8%
33.3%	25,988	26,352	363	1.4%
34.6%	25,993	26,259	266	1.4%
35.8%	25,753	26,179	426	1.7%
37.0%	25,446	25,960	514	2.0%
38.3%	25,352	25,956	604	2.4%
39.5%	25,097	25,904	806	3.2%
40.7%	24,828	25,832	1,003	4.0%
42.0%	24,811	25,712	900	3.7%
43.2%	24,771	25,702	931	3.8%
44.4%	24,753	25,693	940	3.8%
45.7%	24,720	25,626	905	3.7%
46.9%	24,690	25,579	889	3.6%
48.1%	24,629	25,549	920	3.7%
49.4%	24,580	25,540	960	3.9%
50.6%	24,316	25,371	1,054	4.3%
51.9%	24,232	25,354	1,122	4.6%
53.1%	24,088	25,299	1,211	5.0%
54.3%	23,996	25,214	1,219	5.1%
55.6%	23,941	24,706	765	3.2%
56.8%	23,933	24,676	744	3.1%
58.0%	23,659	24,589	930	3.9%
59.3%	23,642	24,563	921	3.9%
60.5%	23,534	24,490	956	4.1%
61.7%	23,377	24,353	976	4.2%
63.0%	23,258	24,232	974	4.2%
64.2%	23,223	23,723	501	2.2%
65.4%	23,150	23,659	509	2.2%
66.7%	22,511	23,480	970	4.3%
67.9%	22,130	22,928	798	3.6%
69.1%	21,925	22,925	1,000	4.6%
70.4%	21,875	22,898	1,021	4.7%
71.6%	21,790	22,865	1,075	4.9%
72.8%	21,606	22,883	977	4.5%
74.1%	21,378	22,391	1,013	4.7%
75.3%	21,353	22,288	935	4.4%
76.5%	21,345	22,279	934	4.4%
77.8%	21,309	22,231	921	4.3%
79.0%	21,021	22,043	1,022	4.9%
80.2%	20,741	21,943	1,202	5.8%
81.5%	20,426	21,206	779	3.8%
82.7%	20,365	20,835	470	2.3%
84.0%	19,166	20,710	1,544	8.1%
85.2%	18,950	20,641	1,692	8.9%
86.4%	18,918	20,249	1,331	7.0%
87.7%	18,300	19,827	1,527	8.3%
88.9%	17,620	18,941	1,322	7.5%
90.1%	17,530	18,252	723	4.2%
91.4%	15,250	18,070	2,820	18.5%
92.6%	14,504	15,668	1,164	8.0%
93.8%	14,108	15,276	1,168	8.3%
95.1%	13,848	15,024	1,176	8.5%
96.3%	12,022	14,700	2,678	22.3%
97.5%	11,641	13,892	2,251	20.1%
98.8%	9,038	12,431	3,392	37.5%
100.0%	8,528	11,657	3,129	36.7%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,297	-34	-0.1%
11.1%	26,331	26,265	-66	-0.3%
12.3%	26,331	26,228	-102	-0.4%
13.6%	26,331	26,226	-104	-0.4%
14.8%	26,331	25,880	-451	-1.7%
16.0%	26,265	25,830	-436	-1.7%
17.3%	26,015	25,802	-213	-0.8%
18.5%	25,977	25,795	-182	-0.7%
19.8%	25,930	25,755	-175	-0.7%
21.0%	25,676	25,728	53	0.2%
22.2%	25,663	25,701	38	0.1%
23.5%	25,634	25,540	-94	-0.4%
24.7%	25,257	25,455	198	0.8%
25.9%	24,882	25,352	470	1.9%
27.2%	24,655	25,336	681	2.8%
28.4%	24,640	25,221	581	2.4%
29.6%	24,461	25,171	710	2.9%
30.9%	24,424	25,149	725	3.0%
32.1%	24,202	25,121	919	3.8%
33.3%	24,199	25,023	824	3.4%
34.6%	24,191	24,862	671	2.8%
35.8%	24,182	24,807	625	2.6%
37.0%	24,111	24,741	629	2.6%
38.3%	23,769	24,629	860	3.6%
39.5%	23,644	24,500	856	3.6%
40.7%	23,244	24,466	1,222	5.3%
42.0%	23,196	24,326	1,130	4.9%
43.2%	23,055	24,170	1,114	4.8%
44.4%	23,047	23,947	900	3.9%
45.7%	22,985	23,887	902	3.9%
46.9%	22,982	23,803	821	3.6%
48.1%	22,755	23,802	1,048	4.6%
49.4%	22,720	23,801	1,081	4.8%
50.6%	22,629	23,669	1,040	4.6%
51.9%	22,410	23,659	1,249	5.6%
53.1%	22,250	23,623	1,373	6.2%
54.3%	22,183	23,389	1,206	5.4%
55.6%	22,148	23,062	914	4.1%
56.8%	22,101	22,928	828	3.7%
58.0%	22,098	22,868	770	3.5%
59.3%	22,077	22,752	675	3.1%
60.5%	22,076	22,696	619	2.8%
61.7%	21,966	22,684	718	3.3%
63.0%	21,891	22,678	787	3.6%
64.2%	21,333	22,447	1,114	5.2%
65.4%	21,205	22,089	884	4.2%
66.7%	21,139	22,021	882	4.2%
67.9%	21,091	21,322	231	1.1%
69.1%	20,706	21,290	584	2.8%
70.4%	20,508	21,193	686	3.3%
71.6%	20,423	21,017	594	2.9%
72.8%	20,248	20,977	730	3.6%
74.1%	20,228	20,937	708	3.5%
75.3%	19,883	20,899	1,016	5.1%
76.5%	17,717	20,845	1,129	5.7%
77.8%	18,424	20,598	1,	



Table SW-10-a  
Sacramento River below Keswick Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6,230	6,943	6,597	8,246	10,204	8,424	6,927	7,893	10,762	13,122	10,243	8,208
DCR 2015 With Project	6,163	7,181	6,967	8,427	10,768	8,245	6,759	7,712	10,010	12,990	10,138	8,501
Difference	-67	238	370	181	-563	-180	-168	-181	-753	-132	-105	293
Percent Difference <sup>2</sup>	-1.1%	3.4%	5.6%	2.2%	-5.5%	-2.1%	-2.4%	-2.3%	-7.0%	-1.0%	-1.0%	3.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7,343	9,448	7,089	15,821	18,354	16,192	9,474	9,467	10,493	12,868	11,030	13,191
DCR 2015 With Project	7,064	9,762	7,151	16,271	19,444	15,608	9,272	9,493	10,711	13,123	10,791	13,071
Difference	-279	314	62	450	1,090	-584	-202	26	218	255	-239	-121
Percent Difference	-3.8%	3.3%	0.9%	2.8%	5.9%	-3.6%	-2.1%	0.3%	2.1%	2.0%	-2.2%	-0.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	6,382	10,153	6,306	7,449	14,219	7,944	6,079	7,764	11,277	14,391	10,473	8,699
DCR 2015 With Project	6,760	10,057	7,673	7,228	14,858	7,905	6,163	8,198	10,126	13,853	10,008	8,422
Difference	378	-96	1,367	-221	639	-40	84	434	-1,151	-538	-464	-277
Percent Difference	5.9%	-0.9%	21.7%	-3.0%	4.5%	-0.5%	1.4%	5.6%	-10.2%	-3.7%	-4.4%	-3.2%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	5,784	5,085	7,943	4,082	5,800	4,675	5,219	7,087	10,773	12,876	10,000	5,600
DCR 2015 With Project	6,345	5,801	8,489	4,387	6,279	4,693	5,148	6,847	9,121	12,688	9,562	6,082
Difference	561	716	546	305	479	18	-71	-240	-1,652	-188	-438	482
Percent Difference	9.7%	14.1%	6.9%	7.5%	8.3%	0.4%	-1.4%	-3.4%	-15.3%	-1.5%	-4.4%	8.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5,573	4,576	7,104	3,881	3,624	3,770	5,581	7,176	11,252	13,672	9,834	5,051
DCR 2015 With Project	5,270	4,888	7,428	4,182	3,865	3,714	5,454	6,882	9,792	13,333	10,017	5,939
Difference	-303	313	324	300	241	-56	-127	-294	-1,460	-339	183	889
Percent Difference	-5.4%	6.8%	4.6%	7.7%	6.7%	-1.5%	-2.3%	-4.1%	-13.0%	-2.5%	1.9%	17.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,173	4,022	3,491	4,036	3,539	3,428	6,269	6,625	10,083	11,865	9,206	4,697
DCR 2015 With Project	4,743	3,761	3,395	3,713	3,468	3,569	5,750	5,620	9,738	11,674	9,706	5,345
Difference	-430	-260	-96	-323	-71	140	-518	-1,005	-346	-191	499	649
Percent Difference	-8.3%	-6.5%	-2.7%	-8.0%	-2.0%	4.1%	-8.3%	-15.2%	-3.4%	-1.6%	5.4%	13.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





**Figure SW-10-b**  
**Sacramento River below Keswick Reservoir, Monthly Flow**  
**Probability of Exceedance**

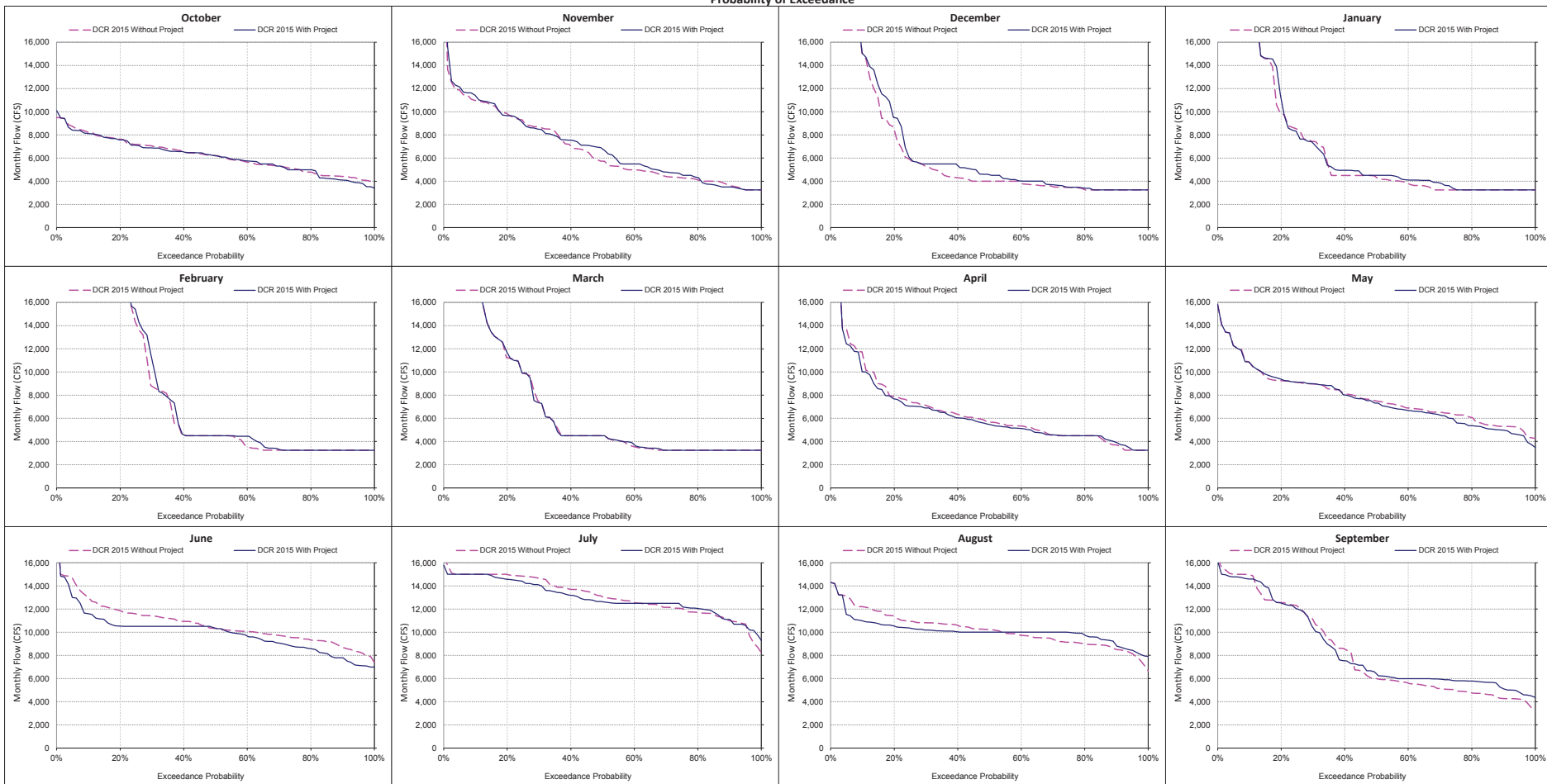


Table SW-10-b  
Sacramento River below Keswick Reservoir, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,499	10,100	601	6.3%
1.2%	9,474	9,474	0	0.0%
2.5%	9,416	9,416	0	0.0%
3.7%	8,888	8,661	-227	-2.6%
4.9%	8,742	8,418	-324	-3.7%
6.2%	8,546	8,382	-164	-1.9%
7.4%	8,463	8,361	-102	-1.2%
8.6%	8,381	8,171	-191	-2.3%
9.9%	8,237	8,108	-131	-1.6%
11.1%	8,236	8,104	-132	-1.6%
12.3%	7,946	8,048	102	1.3%
13.6%	7,897	7,990	93	1.2%
14.8%	7,636	7,802	-166	-2.2%
16.0%	7,780	7,762	-18	-0.2%
17.3%	7,756	7,694	-62	-0.8%
18.5%	7,697	7,672	-26	-0.3%
19.8%	7,647	7,561	-86	-1.1%
21.0%	7,595	7,459	-136	-1.8%
22.2%	7,275	7,465	190	2.6%
23.5%	7,229	7,412	183	2.6%
24.7%	7,176	7,109	-67	-0.9%
25.9%	7,174	7,066	-108	-1.5%
27.2%	7,162	6,898	-263	-3.7%
28.4%	7,078	6,878	-200	-2.9%
29.6%	7,070	6,877	-193	-2.7%
30.9%	6,978	6,863	-115	-1.7%
32.1%	6,960	6,853	-107	-1.5%
33.3%	6,932	6,754	-178	-2.6%
34.6%	6,831	6,666	-165	-2.4%
35.8%	6,799	6,594	-205	-3.0%
37.0%	6,763	6,577	-186	-2.7%
38.3%	6,665	6,569	-96	-1.4%
39.5%	6,629	6,562	-67	-1.0%
40.7%	6,495	6,476	-19	-0.3%
42.0%	6,443	6,473	30	0.5%
43.2%	6,432	6,464	32	0.5%
44.4%	6,416	6,461	45	0.7%
45.7%	6,356	6,456	100	1.6%
46.9%	6,293	6,321	28	0.4%
48.1%	6,248	6,279	31	0.5%
49.4%	6,223	6,229	6	0.1%
50.6%	6,208	6,174	-34	-0.5%
51.9%	6,090	6,089	-1	0.0%
53.1%	6,036	6,085	49	0.8%
54.3%	5,886	5,965	79	1.3%
55.6%	5,851	5,888	37	0.6%
56.8%	5,793	5,875	82	1.4%
58.0%	5,793	5,828	36	0.6%
59.3%	5,696	5,754	58	1.0%
60.5%	5,625	5,741	117	2.1%
61.7%	5,569	5,730	160	2.9%
63.0%	5,450	5,694	243	4.5%
64.2%	5,448	5,500	52	1.0%
65.4%	5,418	5,500	82	1.5%
66.7%	5,398	5,500	102	1.9%
67.9%	5,361	5,500	139	2.6%
69.1%	5,335	5,318	-17	-0.3%
70.4%	5,300	5,301	1	0.0%
71.6%	5,235	5,204	-30	-0.6%
72.8%	5,156	5,000	-156	-3.0%
74.1%	5,091	5,000	-91	-1.8%
75.3%	5,062	5,000	-62	-1.2%
76.5%	4,998	5,000	2	0.0%
77.8%	4,793	5,000	207	4.3%
79.0%	4,790	5,000	210	4.4%
80.2%	4,782	4,991	209	4.4%
81.5%	4,648	4,901	253	5.4%
82.7%	4,630	4,288	-342	-7.4%
84.0%	4,482	4,288	-194	-4.4%
85.2%	4,478	4,228	-250	-5.6%
86.4%	4,464	4,224	-240	-5.4%
87.7%	4,454	4,198	-257	-5.8%
88.9%	4,434	4,122	-311	-7.0%
90.1%	4,412	4,093	-320	-7.2%
91.4%	4,404	4,070	-335	-7.6%
92.6%	4,324	3,976	-347	-8.0%
93.8%	4,318	3,899	-419	-9.7%
95.1%	4,192	3,876	-316	-7.5%
96.3%	4,093	3,806	-287	-7.0%
97.5%	4,071	3,557	-514	-12.6%
98.8%	4,000	3,226	-774	-19.4%
100.0%	3,746	3,415	-331	-8.8%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,898	28,078	2,180	8.4%
1.2%	13,648	15,682	2,034	14.9%
2.5%	12,539	12,659	120	1.0%
3.7%	11,896	12,298	402	3.4%
4.9%	11,894	12,168	274	2.3%
6.2%	11,467	11,696	230	2.0%
7.4%	11,450	11,640	190	1.7%
8.6%	11,089	11,631	542	4.9%
9.9%	10,974	11,497	523	4.8%
11.1%	10,931	11,008	77	0.7%
12.3%	10,829	10,931	102	0.9%
13.6%	10,797	10,877	81	0.7%
14.8%	10,569	10,756	187	1.8%
16.0%	10,497	10,700	203	1.9%
17.3%	10,105	10,096	-9	-0.1%
18.5%	9,939	9,705	-234	-2.4%
19.8%	9,879	9,671	-208	-2.1%
21.0%	9,622	9,669	47	0.5%
22.2%	9,536	9,612	76	0.8%
23.5%	9,344	9,408	64	0.7%
24.7%	9,300	9,105	-195	-2.1%
25.9%	8,864	8,742	-121	-1.4%
27.2%	8,717	8,616	-101	-1.2%
28.4%	8,717	8,589	-129	-1.5%
29.6%	8,693	8,497	-196	-2.1%
30.9%	8,601	8,461	-140	-1.6%
32.1%	8,515	8,111	-404	-4.7%
33.3%	8,505	8,092	-413	-4.9%
34.6%	8,433	7,972	-461	-5.5%
35.8%	8,042	7,840	-202	-2.5%
37.0%	7,575	7,588	13	0.2%
38.3%	7,233	7,563	330	4.6%
39.5%	7,187	7,548	361	5.0%
40.7%	6,826	7,517	692	10.1%
42.0%	6,811	7,418	608	8.9%
43.2%	6,752	7,221	469	6.9%
44.4%	6,648	7,111	464	7.0%
45.7%	6,460	7,090	629	9.7%
46.9%	6,041	7,030	989	16.4%
48.1%	5,878	6,953	1,074	18.3%
49.4%	5,739	6,912	1,173	20.4%
50.6%	5,730	6,658	928	16.2%
51.9%	5,358	6,349	991	18.5%
53.1%	4,321	6,259	1,938	44.8%
54.3%	5,293	5,925	633	12.0%
55.6%	5,281	5,503	222	4.2%
56.8%	5,070	5,500	430	8.5%
58.0%	4,954	5,500	546	11.0%
59.3%	4,985	5,500	515	10.3%
60.5%	4,980	5,500	520	10.4%
61.7%	4,954	5,500	546	11.0%
63.0%	4,889	5,331	442	9.0%
64.2%	4,845	5,248	403	8.3%
65.4%	4,828	5,066	238	4.9%
66.7%	4,728	5,019	291	6.2%
67.9%	4,596	4,950	354	7.7%
69.1%	4,473	4,809	336	7.5%
70.4%	4,379	4,774	394	9.0%
71.6%	4,367	4,736	369	8.5%
72.8%	4,350	4,704	354	8.1%
74.1%	4,331	4,698	367	8.5%
75.3%	4,279	4,500	221	5.2%
76.5%	4,269	4,500	231	5.4%
77.8%	4,242	4,500	258	6.1%
79.0%	4,204	4,369	165	3.9%
80.2%	4,101	4,295	194	4.7%
81.5%	4,000	3,870	-130	-3.2%
82.7%	4,000	3,751	-249	-6.2%
84.0%	4,000	3,723	-277	-6.9%
85.2%	4,000	3,684	-316	-7.9%
86.4%	3,991	3,585	-405	-10.2%
87.7%	3,885	3,514	-371	-9.5%
88.9%	3,758	3,499	-259	-6.9%
90.1%	3,618	3,498	-120	-3.3%
91.4%	3,547	3,481	-66	-1.9%
92.6%	3,481	3,381	-99	-2.8%
93.8%	3,408	3,330	-78	-2.3%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,019	26,034	-986	-3.6%
1.2%	24,622	22,951	-1,671	-6.8%
2.5%	22,565	22,565	0	0.0%
3.7%	22,258	22,258	0	0.0%
4.9%	22,160	21,890	-270	-1.2%
6.2%	20,314	20,314	0	0.0%
7.4%	18,567	18,063	-504	-2.7%
8.6%	18,063	17,842	-221	-1.2%
9.9%	15,051	15,051	0	0.0%
11.1%	14,560	14,717	157	1.1%
12.3%	12,898	13,883	985	7.6%
13.6%	11,997	13,615	1,618	13.5%
14.8%	11,307	12,392	1,085	9.6%
16.0%	9,429	11,550	2,121	22.5%
17.3%	9,405	11,307	1,902	20.2%
18.5%	8,872	10,903	2,031	22.9%
19.8%	8,704	9,504	800	9.2%
21.0%	7,446	9,445	1,999	26.8%
22.2%	6,907	8,699	1,792	26.0%
23.5%	6,066	8,067	2,001	33.0%
24.7%	5,916	6,078	161	2.7%
25.9%	5,668	5,730	61	1.1%
27.2%	5,642	5,642	0	0.0%
28.4%	5,543	5,500	-43	-0.8%
29.6%	5,316	5,500	184	3.5%
30.9%	5,214	5,500	286	5.5%
32.1%	5,021	5,500	479	9.5%
33.3%	4,953	5,500	547	11.0%
34.6%	4,779	5,500	721	15.1%
35.8%	4,488	5,500	1,012	22.3%
37.0%	4,402	5,500	1,098	24.9%
38.3%	4,378	5,500	1,122	25.6%
39.5%	4,315	5,489	1,174	27.2%
40.7%	4,279	5,178	899	21.0%
42.0%	4,252	5,163	911	21.4%
43.2%	4,179	5,113	934	22.4%
44.4%	4,000	5,024	1,024	25.6%
45.7%	4,000	4,982	982	24.6%
46.9%	4,000	4,616	616	15.4%
48.1%	4,000	4,602	602	15.1%
49.4%	4,000	4,599	599	15.0%
50.6%	4,000	4,599	599	15.0%
51.9%	4,000	4,500	500	12.5%
53.1%	4,000	4,500	500	12.5%
54.3%	4,000	4,240	240	6.0%
55.6%	4,000	4,216	216	5.4%
56.8%	4,000	4,146	146	3.7%
58.0%	4,000	4,140	140	3.5%
59.3%	4,000	4,030	30	0.7%
60.5%	3,764	4,000	236	6.3%
61.7%	3,744	4,000	256	6.8%
63.0%	3,707	4,000	293	7.9%
64.2%	3,690	4,000	310	8.4%
65.4%	3,650	4,000	350	9.6%
66.7%	3,612	4,000	388	10.7%
67.9%	3,609	3,744	135	3.7%
69.1%	3,599	3,707	108	3.0%
70.4%	3,484	3,682	198	5.4%
71.6%	3,493	3,642	149	4.3%
72.8%	3,490	3,609	119	3.4%
74.1%	3,472	3,494	23	0.7%
75.3%	3,471	3,493	22	0.6%
76.5%	3,458	3,490	32	0.9%
77.8%	3,439	3,472	32	0.9%
79.0%	3,388	3,439	52	1.5%
80.2%	3,251	3,392	141	4.3%
81.5%	3,250	3,380	130	4.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%				

Table SW-10-b  
Sacramento River below Keswick Reservoir, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	44,007	53,800	9,793	22.3%	
1.2%	42,875	45,844	2,968	6.2%	
2.5%	35,476	44,007	8,531	24.0%	
3.7%	32,475	35,476	3,001	9.2%	
4.9%	30,746	31,664	918	3.0%	
6.2%	30,503	30,692	189	0.6%	
7.4%	30,069	30,299	230	0.8%	
8.6%	28,692	30,288	1,596	4.5%	
9.9%	28,040	30,069	2,029	7.2%	
11.1%	27,512	28,992	1,479	5.4%	
12.3%	26,581	27,512	931	3.5%	
13.6%	23,696	23,696	0	0.0%	
14.8%	23,127	23,127	0	0.0%	
16.0%	22,775	22,775	0	0.0%	
17.3%	21,451	21,451	0	0.0%	
18.5%	21,309	21,309	0	0.0%	
19.8%	18,799	18,799	0	0.0%	
21.0%	18,422	18,422	0	0.0%	
22.2%	18,321	18,321	0	0.0%	
23.5%	15,705	15,705	0	0.0%	
24.7%	14,354	15,434	1,080	7.5%	
25.9%	13,598	14,297	700	5.1%	
27.2%	13,212	13,598	386	2.9%	
28.4%	11,175	13,212	2,037	18.2%	
29.6%	8,630	11,523	2,893	33.5%	
30.9%	8,615	9,952	1,337	15.5%	
32.1%	8,436	8,323	-113	-1.3%	
33.3%	8,323	8,164	-159	-1.9%	
34.6%	8,164	7,906	-258	-3.2%	
35.8%	7,524	7,610	86	1.1%	
37.0%	5,650	7,324	1,674	29.6%	
38.3%	5,479	5,550	71	1.3%	
39.5%	4,500	4,625	125	2.8%	
40.7%	4,500	4,500	0	0.0%	
42.0%	4,500	4,500	0	0.0%	
43.2%	4,500	4,500	0	0.0%	
44.4%	4,500	4,500	0	0.0%	
45.7%	4,500	4,500	0	0.0%	
46.9%	4,500	4,500	0	0.0%	
48.1%	4,500	4,500	0	0.0%	
49.4%	4,500	4,500	0	0.0%	
50.6%	4,500	4,500	0	0.0%	
51.9%	4,500	4,500	0	0.0%	
53.1%	4,500	4,172	-328	-7.3%	
54.3%	4,491	4,134	-357	-7.9%	
55.6%	4,481	4,491	10	0.2%	
56.8%	4,207	4,455	248	5.9%	
58.0%	4,146	4,455	309	7.5%	
59.3%	3,679	4,455	776	21.1%	
60.5%	3,488	4,451	963	27.6%	
61.7%	3,423	4,207	784	22.9%	
63.0%	3,414	4,012	598	17.5%	
64.2%	3,250	3,875	625	19.2%	
65.4%	3,250	3,524	274	8.4%	
66.7%	3,250	3,429	179	5.5%	
67.9%	3,250	3,414	164	5.0%	
69.1%	3,250	3,413	163	5.0%	
70.4%	3,250	3,294	44	1.4%	
71.6%	3,250	3,254	4	0.1%	
72.8%	3,250	3,250	0	0.0%	
74.1%	3,250	3,250	0	0.0%	
75.3%	3,250	3,250	0	0.0%	
76.5%	3,250	3,250	0	0.0%	
77.8%	3,250	3,250	0	0.0%	
79.0%	3,250	3,250	0	0.0%	
80.2%	3,250	3,250	0	0.0%	
81.5%	3,250	3,250	0	0.0%	
82.7%	3,250	3,250	0	0.0%	
84.0%	3,250	3,250	0	0.0%	
85.2%	3,250	3,250	0	0.0%	
86.4%	3,250	3,250	0	0.0%	
87.7%	3,250	3,250	0	0.0%	
88.9%	3,250	3,250	0	0.0%	
90.1%	3,250	3,250	0	0.0%	
91.4%	3,250	3,250	0	0.0%	
92.6%	3,250	3,250	0	0.0%	
93.8%	3,250	3,250	0	0.0%	
95.1%	3,250	3,250	0	0.0%	
96.3%	3,250	3,250	0	0.0%	
97.5%	3,250	3,250	0	0.0%	
98.8%	3,250	3,250	0	0.0%	
100.0%	3,250	3,250	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	46,295	46,295	0	0.0%	
1.2%	41,093	45,396	4,303	10.5%	
2.5%	40,250	35,227	-5,023	-12.5%	
3.7%	35,227	34,284	-943	-2.7%	
4.9%	34,284	25,425	-8,859	-25.8%	
6.2%	25,435	21,051	-4,384	-17.2%	
7.4%	20,521	20,521	0	0.0%	
8.6%	19,854	19,854	0	0.0%	
9.9%	19,544	19,544	0	0.0%	
11.1%	17,065	17,033	-32	-0.2%	
12.3%	15,812	15,812	0	0.0%	
13.6%	14,297	14,297	0	0.0%	
14.8%	13,482	13,482	0	0.0%	
16.0%	13,072	13,072	0	0.0%	
17.3%	12,834	12,834	0	0.0%	
18.5%	12,569	12,569	0	0.0%	
19.8%	11,245	11,770	525	4.7%	
21.0%	11,183	11,165	-17	-0.2%	
22.2%	11,165	11,002	-163	-1.5%	
23.5%	10,926	10,926	0	0.0%	
24.7%	9,911	9,911	0	0.0%	
25.9%	9,836	9,907	71	0.7%	
27.2%	9,667	9,498	-169	-1.8%	
28.4%	8,381	7,528	-853	-10.2%	
29.6%	7,528	7,273	-255	-3.4%	
30.9%	7,278	7,278	0	0.0%	
32.1%	6,125	6,125	0	0.0%	
33.3%	6,078	6,078	0	0.0%	
34.6%	5,728	5,728	0	0.0%	
35.8%	5,141	4,837	-303	-5.9%	
37.0%	4,500	4,500	0	0.0%	
38.3%	4,500	4,500	0	0.0%	
39.5%	4,500	4,500	0	0.0%	
40.7%	4,500	4,500	0	0.0%	
42.0%	4,500	4,500	0	0.0%	
43.2%	4,500	4,500	0	0.0%	
44.4%	4,500	4,500	0	0.0%	
45.7%	4,500	4,500	0	0.0%	
46.9%	4,500	4,500	0	0.0%	
48.1%	4,500	4,500	0	0.0%	
49.4%	4,500	4,500	0	0.0%	
50.6%	4,500	4,500	0	0.0%	
51.9%	4,250	4,250	0	0.0%	
53.1%	4,134	4,172	38	0.9%	
54.3%	4,073	4,134	61	1.5%	
55.6%	4,048	4,048	0	0.0%	
56.8%	3,979	3,979	0	0.0%	
58.0%	3,708	3,962	257	6.9%	
59.3%	3,602	3,915	313	8.7%	
60.5%	3,510	3,602	92	2.6%	
61.7%	3,436	3,510	74	2.2%	
63.0%	3,422	3,503	81	2.4%	
64.2%	3,422	3,436	15	0.4%	
65.4%	3,385	3,422	37	1.1%	
66.7%	3,250	3,422	172	5.3%	
67.9%	3,250	3,378	128	3.9%	
69.1%	3,250	3,250	0	0.0%	
70.4%	3,250	3,250	0	0.0%	
71.6%	3,250	3,250	0	0.0%	
72.8%	3,250	3,250	0	0.0%	
74.1%	3,250	3,250	0	0.0%	
75.3%	3,250	3,250	0	0.0%	
76.5%	3,250	3,250	0	0.0%	
77.8%	3,250	3,250	0	0.0%	
79.0%	3,250	3,250	0	0.0%	
80.2%	3,250	3,250	0	0.0%	
81.5%	3,250	3,250	0	0.0%	
82.7%	3,250	3,250	0	0.0%	
84.0%	3,250	3,250	0	0.0%	
85.2%	3,250	3,250	0	0.0%	
86.4%	3,250	3,250	0	0.0%	
87.7%	3,250	3,250	0	0.0%	
88.9%	3,250	3,250	0	0.0%	
90.1%	3,250	3,250	0	0.0%	
91.4%	3,250	3,250	0	0.0%	
92.6%	3,250	3,250	0	0.0%	
93.8%	3,250	3,250	0	0.0%	
95.1%	3,250	3,250	0	0.0%	
96.3%	3,250	3,250	0	0.0%	
97.5%	3,250	3,250	0	0.0%	
98.8%	3,250	3,250	0	0.0%	
100.0%	3,250	3,250	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	30,037	30,037	0	0.0%	
1.2%	24,797	24,797	0	0.0%	
2.5%	20,039	19,953	-86	-0.4%	
3.7%	13,806	13,739	-67	-0.5%	
4.9%	12,739	12,446	-293	-2.3%	
6.2%	12,446	12,268	-178	-1.4%	
7.4%	11,988	11,770	-218	-1.8%	
8.6%	11,770	11,736	-33	-0.3%	
9.9%	11,736	10,023	-1,713	-14.6%	
11.1%	10,152	9,987	-165	-1.6%	
12.3%	10,023	9,743	-281	-2.8%	
13.6%	9,987	9,000	-987	-9.9%	
14.8%	9,000	8,563	-437	-4.9%	
16.0%	8,940	8,485	-455	-5.1%	
17.3%	8,752	7,974	-778	-8.9%	
18.5%	7,935	7,943	7	0.1%	
19.8%	7,892	7,694	-198	-2.5%	
21.0%	7,837	7,632	-204	-2.6%	
22.2%	7,694	7,416	-279	-3.6%	
23.5%	7,639	7,131	-508	-6.6%	
24.7%	7,472	7,055	-416	-5.6%	
25.9%	7,345	7,054	-292	-4.0%	
27.2%	7,339	7,023	-317	-4.3%	
28.4%	7,189	7,000	-189	-2.6%	
29.6%	7,150	6,900	-251	-3.5%	
30.9%	7,033	6,884	-149	-2.1%	
32.1%	6,894	6,712	-182	-2.6%	
33.3%	6,712	6,680	-32	-0.5%	
34.6%	6,680	6,515	-165	-2.5%	
35.8%	6,553	6,509	-44	-0.7%	
37.0%	6,515	6,298	-217	-3.3%	
38.3%	6,513	6,179	-335	-5.1%	
39.5%	6,383	6,044	-339	-5.3%	
40.7%	6,298	6,030	-268	-4.3%	
42.0%	6,155	6,013	-142	-2.3%	
43.2%	6,088	5,968	-120	-2.0%	
44.4%	6,087	5,897	-190	-3.1%	
45.7%	5,974	5,760	-214	-3.6%	
46.9%	5,956	5,664	-292	-4.9%	
48.1%	5,862	5,593	-270	-4.6%	
49.4%	5,664	5,508	-156	-2.8%	
50.6%	5,662	5,433	-229	-4.0%	
51.9%	5,638	5,354	-284	-5.0%	
53.1%	5,553	5,316	-237	-4.3%	
54.3%	5,528	5,280	-248	-4.5%	
55.6%	5,372	5,247	-125	-2.3%	
56.8%	5,366	5,168	-197	-3.7%	
58.0%	5,358	5,150	-208	-3.9%	
59.3%	5,342	5,148	-194	-3.6%	
60.5%	5,339	5,105	-235	-4.4%	
61.7%	5,231	5,046	-185	-3.5%	
63.0%	5,226	5,006	-220	-4.2%	
64.2%	5,046	4,787	-259	-5.1%	
65.4%	4,964	4,761	-203	-4.1%	
66.7%	4,916	4,725	-191	-3.9%	
67.9%	4,729	4,600	-129	-2.7%	
69.1%	4,552	4,600	48	1.1%	
70.4%	4,545	4,57			

Table SW-10-b  
Sacramento River below Keswick Reservoir, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	19,859	19,859	0	0.0%	
1.2%	15,000	14,846	-154	-1.0%	
2.5%	14,882	14,747	-135	-0.9%	
3.7%	14,846	14,171	-676	-4.6%	
4.9%	14,684	13,001	-1,683	-11.5%	
6.2%	14,071	12,962	-1,109	-7.9%	
7.4%	13,587	12,499	-1,088	-8.0%	
8.6%	13,288	11,644	-1,643	-12.4%	
9.9%	13,034	11,596	-1,438	-11.0%	
11.1%	12,659	11,534	-1,125	-8.9%	
12.3%	12,586	11,208	-1,378	-10.9%	
13.6%	12,260	11,141	-1,119	-9.1%	
14.8%	12,245	11,127	-1,118	-9.1%	
16.0%	12,146	10,806	-1,340	-11.0%	
17.3%	12,058	10,657	-1,402	-11.6%	
18.5%	11,964	10,566	-1,398	-11.7%	
19.8%	11,878	10,537	-1,342	-11.3%	
21.0%	11,743	10,500	-1,243	-10.6%	
22.2%	11,657	10,500	-1,157	-9.9%	
23.5%	11,643	10,500	-1,143	-9.8%	
24.7%	11,606	10,500	-1,106	-9.5%	
25.9%	11,491	10,500	-991	-8.6%	
27.2%	11,447	10,500	-947	-8.3%	
28.4%	11,446	10,500	-946	-8.3%	
29.6%	11,425	10,500	-925	-8.1%	
30.9%	11,391	10,500	-891	-7.8%	
32.1%	11,337	10,500	-837	-7.4%	
33.3%	11,267	10,500	-767	-6.8%	
34.6%	11,213	10,500	-713	-6.4%	
35.8%	11,184	10,500	-684	-6.1%	
37.0%	11,135	10,500	-635	-5.7%	
38.3%	10,963	10,500	-463	-4.2%	
39.5%	10,944	10,500	-444	-4.1%	
40.7%	10,939	10,500	-439	-4.0%	
42.0%	10,929	10,500	-429	-3.9%	
43.2%	10,860	10,271	-589	-5.4%	
44.4%	10,783	10,500	-283	-2.6%	
45.7%	10,587	10,500	-87	-0.8%	
46.9%	10,583	10,500	-83	-0.8%	
48.1%	10,363	10,500	137	1.3%	
49.4%	10,341	10,387	46	0.4%	
50.6%	10,320	10,308	-12	-0.1%	
51.9%	10,216	10,300	84	0.8%	
53.1%	10,200	10,121	-79	-0.8%	
54.3%	10,177	10,000	-177	-1.7%	
55.6%	10,153	9,935	-218	-2.1%	
56.8%	10,113	9,900	-213	-2.1%	
58.0%	10,096	9,855	-241	-2.4%	
59.3%	10,081	9,784	-296	-2.9%	
60.5%	10,058	9,608	-450	-4.5%	
61.7%	10,039	9,599	-440	-4.4%	
63.0%	9,996	9,535	-461	-4.5%	
64.2%	9,917	9,412	-504	-5.1%	
65.4%	9,879	9,221	-658	-6.7%	
66.7%	9,821	9,212	-609	-6.2%	
67.9%	9,821	9,210	-611	-6.2%	
69.1%	9,753	9,100	-653	-6.7%	
70.4%	9,712	9,066	-646	-6.8%	
71.6%	9,672	8,974	-698	-7.2%	
72.8%	9,596	8,900	-696	-7.2%	
74.1%	9,540	8,800	-740	-7.8%	
75.3%	9,534	8,724	-810	-8.5%	
76.5%	9,523	8,716	-807	-8.5%	
77.8%	9,415	8,700	-715	-7.6%	
79.0%	9,412	8,610	-802	-8.5%	
80.2%	9,310	8,573	-737	-7.9%	
81.5%	9,293	8,508	-785	-8.4%	
82.7%	9,280	8,256	-1,025	-11.0%	
84.0%	9,259	8,216	-443	-4.8%	
85.2%	9,179	8,159	-1,019	-11.1%	
86.4%	9,176	7,900	-1,276	-13.9%	
87.7%	9,018	7,800	-1,218	-13.5%	
88.9%	8,844	7,793	-1,051	-11.9%	
90.1%	8,679	7,785	-894	-10.3%	
91.4%	8,575	7,519	-1,056	-12.3%	
92.6%	8,510	7,417	-1,093	-12.8%	
93.8%	8,361	7,180	-1,180	-14.1%	
95.1%	8,311	7,143	-1,168	-14.1%	
96.3%	8,194	7,100	-1,094	-13.4%	
97.5%	7,929	7,063	-866	-10.9%	
98.8%	7,925	7,000	-925	-11.7%	
100.0%	7,384	7,000	-384	-5.2%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	16,550	15,775	-775	-4.7%	
1.2%	15,775	15,000	-775	-4.9%	
2.5%	15,115	15,000	-115	-0.8%	
3.7%	15,000	15,000	0	0.0%	
4.9%	15,000	15,000	0	0.0%	
6.2%	15,000	15,000	0	0.0%	
7.4%	15,000	15,000	0	0.0%	
8.6%	15,000	15,000	0	0.0%	
9.9%	15,000	15,000	0	0.0%	
11.1%	15,000	15,000	0	0.0%	
12.3%	15,000	15,000	0	0.0%	
13.6%	15,000	15,000	0	0.0%	
14.8%	15,000	14,926	-74	-0.5%	
16.0%	15,000	14,756	-244	-1.6%	
17.3%	15,000	14,690	-310	-2.1%	
18.5%	15,000	14,640	-360	-2.4%	
19.8%	15,000	14,566	-434	-2.9%	
21.0%	14,930	14,656	-274	-1.8%	
22.2%	14,903	14,497	-406	-2.7%	
23.5%	14,870	14,468	-404	-2.7%	
24.7%	14,844	14,406	-438	-3.0%	
25.9%	14,834	14,207	-627	-4.2%	
27.2%	14,787	14,204	-583	-3.9%	
28.4%	14,756	14,122	-634	-4.3%	
29.6%	14,687	14,119	-568	-3.9%	
30.9%	14,625	13,992	-633	-4.3%	
32.1%	14,549	13,616	-933	-6.4%	
33.3%	14,147	13,592	-556	-3.9%	
34.6%	14,047	13,527	-520	-3.7%	
35.8%	13,889	13,431	-458	-3.3%	
37.0%	13,877	13,412	-465	-3.4%	
38.3%	13,862	13,299	-563	-4.1%	
39.5%	13,724	13,198	-526	-3.8%	
40.7%	13,694	13,182	-512	-3.7%	
42.0%	13,690	13,085	-606	-4.4%	
43.2%	13,641	12,971	-670	-4.9%	
44.4%	13,549	12,814	-736	-5.4%	
45.7%	13,507	12,807	-700	-5.2%	
46.9%	13,356	12,765	-591	-4.4%	
48.1%	13,196	12,653	-544	-4.1%	
49.4%	13,145	12,652	-493	-3.8%	
50.6%	13,111	12,661	-450	-3.4%	
51.9%	12,955	12,561	-394	-3.0%	
53.1%	12,895	12,523	-371	-2.9%	
54.3%	12,868	12,500	-368	-2.9%	
55.6%	12,810	12,500	-310	-2.4%	
56.8%	12,739	12,500	-239	-1.9%	
58.0%	12,722	12,500	-222	-1.7%	
59.3%	12,650	12,500	-150	-1.2%	
60.5%	12,522	12,500	-22	-0.2%	
61.7%	12,508	12,500	-8	-0.1%	
63.0%	12,473	12,500	27	0.2%	
64.2%	12,416	12,500	84	0.7%	
65.4%	12,415	12,500	85	0.7%	
66.7%	12,407	12,500	93	0.8%	
67.9%	12,307	12,500	193	1.6%	
69.1%	12,158	12,500	342	2.8%	
70.4%	12,148	12,500	352	2.9%	
71.6%	12,144	12,500	356	2.9%	
72.8%	12,082	12,500	418	3.5%	
74.1%	12,075	12,500	425	3.5%	
75.3%	12,028	12,184	156	1.3%	
76.5%	11,768	12,133	365	3.1%	
77.8%	11,753	12,097	345	2.9%	
79.0%	11,742	12,094	352	3.0%	
80.2%	11,690	12,036	346	3.0%	
81.5%	11,658	11,994	336	2.9%	
82.7%	11,641	11,946	305	2.6%	
84.0%	11,628	11,903	275	2.4%	
85.2%	11,459	11,700	241	1.7%	
86.4%	11,348	11,500	152	1.3%	
87.7%	11,320	11,203	-117	-1.0%	
88.9%	11,089	11,100	11	0.1%	
90.1%	10,994	11,095	100	0.9%	
91.4%	10,929	10,750	-179	-1.6%	
92.6%	10,896	10,700	-196	-1.8%	
93.8%	10,775	10,689	-86	-0.8%	
95.1%	10,703	10,580	-124	-1.2%	
96.3%	9,686	10,200	514	5.3%	
97.5%	9,094	10,179	1,085	11.9%	
98.8%	9,723	9,788	65	0.7%	
100.0%	8,246	9,281	1,035	12.6%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	14,298	14,298	0	0.0%	
1.2%	14,207	14,207	0	0.0%	
2.5%	13,238	13,232	-6	-0.0%	
3.7%	13,212	13,212	0	0.0%	
4.9%	13,133	11,532	-1,601	-12.2%	
6.2%	12,876	11,432	-1,444	-11.2%	
7.4%	12,356	11,114	-1,241	-10.0%	
8.6%	12,212	11,062	-1,150	-9.4%	
9.9%	12,209	10,984	-1,225	-10.0%	
11.1%	12,154	10,893	-1,261	-10.4%	
12.3%	12,072	10,884	-1,188	-9.8%	
13.6%	11,897	10,839	-1,058	-8.9%	
14.8%	11,824	10,773	-1,051	-8.9%	
16.0%	11,822	10,657	-1,165	-9.9%	
17.3%	11,471	10,635	-837	-7.3%	
18.5%	11,459	10,621	-838	-7.3%	
19.8%	11,422	10,559	-864	-7.6%	
21.0%	11,185	10,451	-734	-6.6%	
22.2%	11,037	10,414	-623	-5.6%	
23.5%	10,998	10,395	-603	-5.5%	
24.7%	10,932	10,378	-554	-5.1%	
25.9%	10,929	10,316	-613	-5.6%	
27.2%	10,842	10,204	-638	-5.9%	
28.4%	10,827	10,249	-578	-5.3%	
29.6%	10,825	10,191	-634	-5.8%	
30.9%	10,813	10,186	-628	-5.8%	
32.1%	10,807	10,178	-629	-5.8%	
33.3%	10,798	10,133	-665	-6.2%	
34.6%	10,757	10,122	-635	-5.9%	
35.8%	10,703	10,110	-593	-5.5%	
37.0%	10,700	10,099	-601	-5.6%	
38.3%	10,686	10,097	-589	-5.5%	
39.5%	10,640	10,065	-575	-5.4%	
40.7%	10,510	10,000	-510	-4.9%	
42.0%	10,469	10,000	-469	-4.5%	
43.2%	10,459	10,000	-459	-4.4%	
44.4%	10,329	10,000	-329	-3.2%	
45.7%	10,279	10,000	-279	-2.7%	
46.9%	10,273	10,000	-273	-2.7%	
48.1%	10,259	10,000	-259	-2.5%	
49.4%	10,244	10,000	-244	-2.4%	
50.6%	10,227	10,000	-227	-2.2%	
51.9%	10,178	10,000	-178	-1.7%	
53.1%	10,104	10,000	-104	-1.0%	
54.3%	9,928	10,000	72	0.7%	
55.6%	9,898	10,000	102	1.0%	
56.8%	9,878	10,000	122	1.2%	
58.0%	9,876	10,000	124	1.3%	
59.3%	9,756	10,000	244		

Table SW-11-a  
Sacramento River at Bend Bridge, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	7,166	9,176	11,373	15,073	17,893	14,411	10,654	9,955	11,733	13,365	10,432	8,648
DCR 2015 With Project	7,096	9,416	11,741	15,253	18,489	14,231	10,489	9,776	10,983	13,236	10,325	8,940
Difference	-70	240	369	179	596	-179	-165	-179	-750	-129	-107	291
Percent Difference <sup>2</sup>	-1.0%	2.6%	3.2%	1.2%	3.3%	-1.2%	-1.6%	-1.8%	-6.4%	-1.0%	-1.0%	3.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,310	11,946	11,741	27,358	30,060	25,038	15,283	12,540	12,060	13,367	11,308	13,684
DCR 2015 With Project	8,033	12,263	11,800	27,807	31,256	24,457	15,087	12,567	12,282	13,622	11,068	13,565
Difference	-277	317	60	448	1,196	-581	-196	28	222	254	-240	-119
Percent Difference	-3.3%	2.7%	0.5%	1.6%	4.0%	-2.3%	-1.3%	0.2%	1.8%	1.9%	-2.1%	-0.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	7,437	12,453	11,219	15,887	23,338	15,455	10,427	10,110	12,162	14,490	10,633	9,149
DCR 2015 With Project	7,815	12,353	12,588	15,666	23,979	15,413	10,512	10,544	11,009	13,958	10,169	8,872
Difference	378	-100	1,368	-221	642	-42	85	434	-1,153	-532	-463	-277
Percent Difference	5.1%	-0.8%	12.2%	-1.4%	2.8%	-0.3%	0.8%	4.3%	-9.5%	-3.7%	-4.4%	-3.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	6,958	7,388	13,017	9,016	11,855	8,849	8,563	8,735	11,544	12,975	10,115	5,975
DCR 2015 With Project	7,512	8,100	13,559	9,319	12,332	8,866	8,493	8,495	9,893	12,796	9,672	6,456
Difference	554	711	542	303	478	17	-70	-240	-1,651	-179	-443	481
Percent Difference	8.0%	9.6%	4.2%	3.4%	4.0%	0.2%	-0.8%	-2.7%	-14.3%	-1.4%	-4.4%	8.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,409	6,815	12,881	7,042	8,923	8,298	7,782	8,557	11,859	13,785	9,996	5,514
DCR 2015 With Project	6,096	7,131	13,202	7,338	9,156	8,243	7,656	8,264	10,400	13,452	10,175	6,397
Difference	-312	317	321	296	233	-56	-125	-293	-1,459	-332	180	883
Percent Difference	-4.9%	4.6%	2.5%	4.2%	2.6%	-0.7%	-1.6%	-3.4%	-12.3%	-2.4%	1.8%	16.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,798	5,525	6,548	6,757	6,586	5,996	7,600	7,723	10,630	12,063	9,361	5,056
DCR 2015 With Project	5,363	5,270	6,455	6,433	6,518	6,136	7,079	6,722	10,291	11,870	9,857	5,697
Difference	-435	-255	-93	-324	-67	140	-520	-1,001	-338	-193	496	641
Percent Difference	-7.5%	-4.6%	-1.4%	-4.8%	-1.0%	2.3%	-6.8%	-13.0%	-3.2%	-1.6%	5.3%	12.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

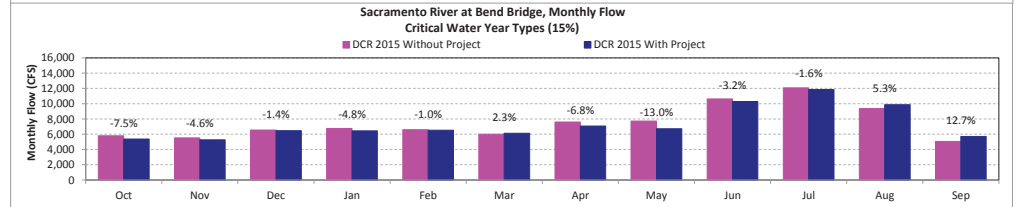
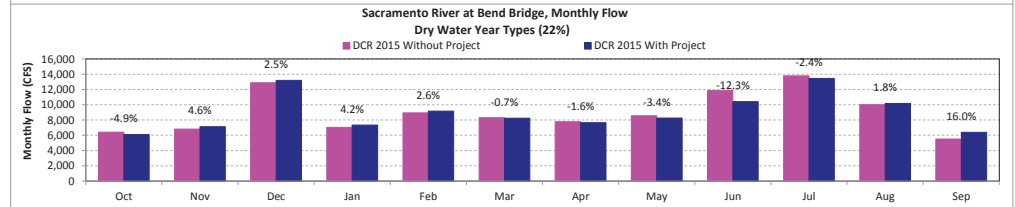
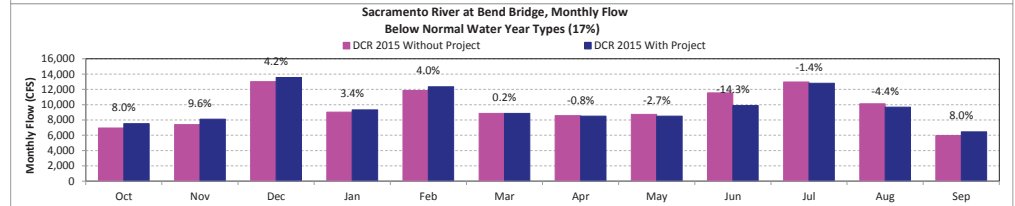
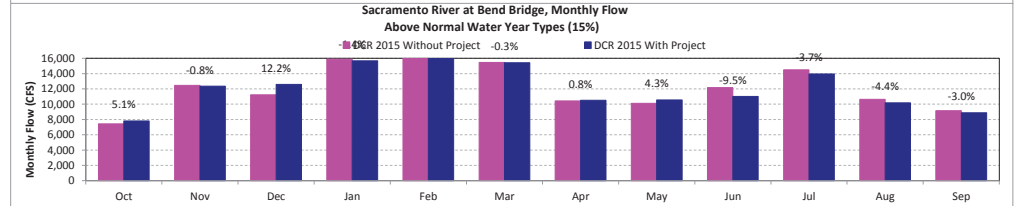
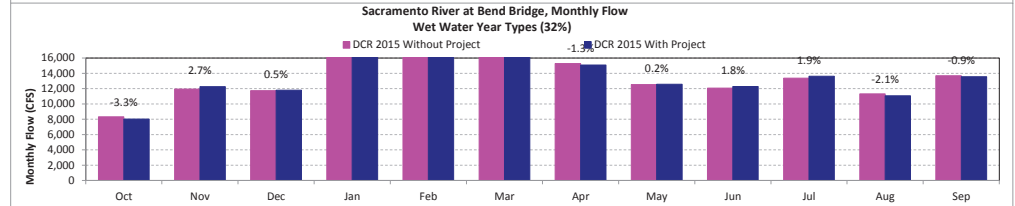
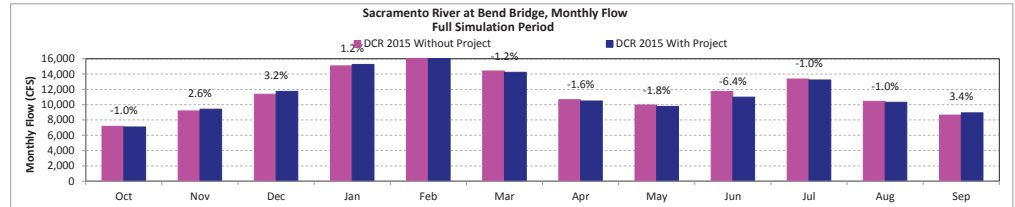


Figure SW-11-b  
 Sacramento River at Bend Bridge, Monthly Flow  
 Probability of Exceedance

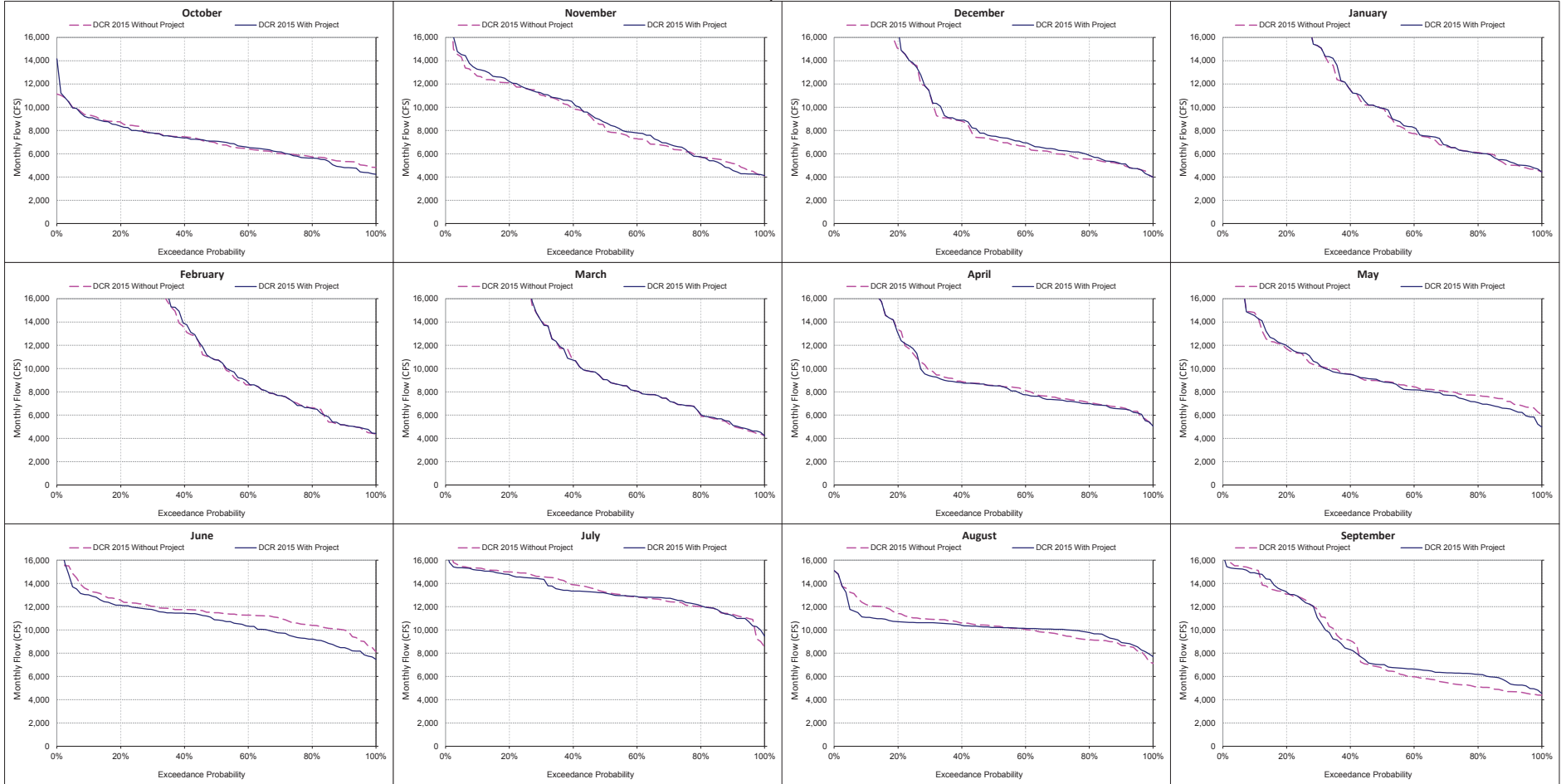


Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,135	14,159	3,023	27.2%
1.2%	11,027	11,232	205	1.9%
2.5%	10,825	10,828	1	0.0%
3.7%	10,478	10,477	0	0.0%
4.9%	9,975	9,946	-29	-0.3%
6.2%	9,944	9,898	-45	-0.5%
7.4%	9,512	9,210	-302	-3.2%
8.6%	9,376	9,047	-329	-3.5%
9.9%	9,347	9,047	-300	-3.2%
11.1%	9,264	9,089	-175	-1.9%
12.3%	9,165	8,965	-200	-2.2%
13.6%	8,965	8,874	-91	-1.0%
14.8%	8,878	8,784	-94	-1.1%
16.0%	8,801	8,764	-37	-0.4%
17.3%	8,794	8,560	-234	-2.7%
18.5%	8,767	8,509	-258	-2.9%
19.8%	8,750	8,384	-366	-4.2%
21.0%	8,621	8,270	-351	-4.1%
22.2%	8,453	8,257	-196	-2.3%
23.5%	8,441	8,005	-436	-5.2%
24.7%	8,391	7,999	-392	-4.7%
25.9%	8,359	7,946	-413	-4.9%
27.2%	7,859	7,937	78	1.0%
28.4%	7,857	7,829	-28	-0.4%
29.6%	7,901	7,901	0	0.0%
30.9%	7,748	7,748	-2	0.0%
32.1%	7,729	7,708	-21	-0.3%
33.3%	7,606	7,548	-58	-0.8%
34.6%	7,575	7,539	-36	-0.5%
35.8%	7,506	7,510	4	0.1%
37.0%	7,482	7,438	-44	-0.6%
38.3%	7,476	7,406	-70	-0.9%
39.5%	7,473	7,374	-99	-1.3%
40.7%	7,440	7,363	-78	-1.0%
42.0%	7,401	7,247	-154	-2.1%
43.2%	7,326	7,043	-283	-3.9%
44.4%	7,262	7,227	-34	-0.5%
45.7%	7,124	7,206	82	1.1%
46.9%	7,056	7,107	51	0.7%
48.1%	7,037	7,098	62	0.9%
49.4%	6,977	7,094	117	1.7%
50.6%	6,480	6,603	123	1.9%
51.9%	6,760	7,018	258	3.8%
53.1%	6,753	6,974	221	3.3%
54.3%	6,611	6,895	284	4.3%
55.6%	6,570	6,867	297	4.5%
56.8%	6,503	6,676	173	2.7%
58.0%	6,461	6,633	172	2.7%
59.3%	6,461	6,581	121	1.9%
60.5%	6,392	6,510	118	1.9%
61.7%	6,341	6,501	160	2.5%
63.0%	6,313	6,471	158	2.5%
64.2%	6,250	6,430	180	2.9%
65.4%	6,239	6,377	138	2.2%
66.7%	6,222	6,340	118	1.9%
67.9%	6,110	6,214	104	1.7%
69.1%	6,026	6,167	141	2.3%
70.4%	6,017	6,150	133	2.2%
71.6%	5,974	6,017	43	0.7%
72.8%	5,971	5,965	-6	-0.1%
74.1%	5,943	5,832	-112	-1.9%
75.3%	5,883	5,782	-101	-1.7%
76.5%	5,866	5,673	-193	-3.3%
77.8%	5,839	5,655	-183	-3.1%
79.0%	5,776	5,638	-138	-2.4%
80.2%	5,722	5,623	-99	-1.7%
81.5%	5,698	5,595	-103	-1.8%
82.7%	5,697	5,511	-186	-3.3%
84.0%	5,660	5,498	-163	-2.9%
85.2%	5,530	5,348	-182	-3.3%
86.4%	5,467	5,050	-418	-7.6%
87.7%	5,386	4,917	-469	-8.7%
88.9%	5,373	4,865	-508	-9.5%
90.1%	5,326	4,802	-525	-9.8%
91.4%	5,325	4,796	-529	-9.9%
92.6%	5,312	4,773	-540	-10.2%
93.8%	5,296	4,767	-529	-10.0%
95.1%	5,041	4,437	-604	-12.0%
96.3%	5,009	4,392	-617	-12.3%
97.5%	4,948	4,379	-569	-11.5%
98.8%	4,845	4,288	-557	-11.5%
100.0%	4,829	4,234	-595	-12.3%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,721	36,890	2,168	6.2%
1.2%	20,315	22,350	2,034	10.0%
2.5%	14,989	16,089	1,101	7.3%
3.7%	14,538	14,788	250	1.7%
4.9%	14,329	14,539	209	1.5%
6.2%	13,376	14,451	1,076	8.0%
7.4%	13,303	13,775	472	3.5%
8.6%	13,011	13,472	461	3.5%
9.9%	12,888	13,285	397	3.1%
11.1%	12,628	13,211	583	4.6%
12.3%	12,372	13,124	753	6.1%
13.6%	12,370	12,964	594	4.8%
14.8%	12,354	12,665	311	2.5%
16.0%	12,224	12,613	390	3.2%
17.3%	12,140	12,583	443	3.7%
18.5%	12,121	12,500	379	3.1%
19.8%	12,102	12,251	149	1.2%
21.0%	12,067	12,073	6	0.0%
22.2%	11,743	12,047	304	2.6%
23.5%	11,721	11,848	127	1.1%
24.7%	11,634	11,687	53	0.5%
25.9%	11,551	11,564	13	0.1%
27.2%	11,507	11,436	-70	-0.6%
28.4%	11,497	11,303	-193	-1.7%
29.6%	11,074	11,074	0	0.0%
30.9%	10,992	11,111	119	1.1%
32.1%	10,834	11,069	235	2.2%
33.3%	10,830	10,865	35	0.3%
34.6%	10,714	10,821	107	1.0%
35.8%	10,543	10,746	203	1.9%
37.0%	10,289	10,605	316	3.1%
38.3%	10,217	10,596	378	3.7%
39.5%	9,943	10,503	560	5.6%
40.7%	9,826	10,121	295	3.0%
42.0%	9,760	10,004	244	2.5%
43.2%	9,678	9,877	199	2.1%
44.4%	9,446	9,588	142	1.5%
45.7%	9,131	9,316	185	2.0%
46.9%	8,733	9,075	342	3.9%
48.1%	8,536	8,954	418	4.9%
49.4%	8,524	8,748	224	2.6%
50.6%	8,025	8,013	-12	-0.1%
51.9%	7,843	8,428	584	7.4%
53.1%	7,815	8,355	540	6.9%
54.3%	7,774	8,194	420	5.4%
55.6%	7,692	7,975	283	3.7%
56.8%	7,586	7,880	293	3.9%
58.0%	7,334	7,877	543	7.4%
59.3%	7,312	7,821	510	7.0%
60.5%	7,267	7,770	503	6.9%
61.7%	7,258	7,760	502	6.9%
63.0%	7,163	7,595	432	6.0%
64.2%	6,828	7,587	760	11.1%
65.4%	6,821	7,271	450	6.6%
66.7%	6,794	7,165	371	5.5%
67.9%	6,737	6,956	219	3.3%
69.1%	6,695	6,923	228	3.4%
70.4%	6,566	6,790	224	3.4%
71.6%	6,363	6,688	325	5.1%
72.8%	6,340	6,600	259	4.1%
74.1%	6,309	6,565	256	4.1%
75.3%	6,164	6,366	202	3.3%
76.5%	6,159	6,044	-115	-1.9%
77.8%	5,978	5,794	-184	-3.1%
79.0%	5,799	5,759	-41	-0.7%
80.2%	5,687	5,730	42	0.7%
81.5%	5,666	5,622	-44	-0.8%
82.7%	5,629	5,400	-229	-4.1%
84.0%	5,579	5,394	-186	-3.3%
85.2%	5,544	5,277	-267	-4.8%
86.4%	5,493	5,114	-380	-6.9%
87.7%	5,326	4,848	-478	-9.0%
88.9%	5,255	4,794	-461	-8.8%
90.1%	5,154	4,548	-606	-11.8%
91.4%	5,113	4,439	-675	-13.2%
92.6%	4,850	4,280	-570	-11.7%
93.8%	4,733	4,280	-453	-9.6%
95.1%	4,538	4,260	-278	-6.1%
96.3%	4,493	4,256	-237	-5.3%
97.5%	4,285	4,241	-44	-1.0%
98.8%	4,141	4,114	-27	-0.7%
100.0%	4,099	4,118	19	0.5%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,830	41,148	-1,682	-3.9%
1.2%	42,053	41,062	-991	-2.4%
2.5%	35,016	34,995	-21	0.0%
3.7%	34,923	34,921	-2	0.0%
4.9%	32,464	31,838	-627	-1.9%
6.2%	30,610	30,339	-271	-0.9%
7.4%	29,927	29,917	-10	0.0%
8.6%	29,701	29,698	-3	0.0%
9.9%	23,995	24,153	158	0.7%
11.1%	23,822	23,866	44	0.2%
12.3%	21,358	23,819	2,461	11.5%
13.6%	21,349	22,067	718	3.4%
14.8%	21,025	21,771	746	3.5%
16.0%	18,316	21,745	3,429	18.7%
17.3%	17,363	21,415	4,051	23.3%
18.5%	16,960	19,547	2,587	15.3%
19.8%	15,095	17,344	2,249	14.9%
21.0%	14,891	14,892	1	0.0%
22.2%	14,556	14,555	-1	0.0%
23.5%	14,046	14,038	-8	0.0%
24.7%	13,715	13,820	105	0.8%
25.9%	13,581	13,409	-171	-1.3%
27.2%	11,966	11,436	-530	-4.4%
28.4%	11,860	11,846	-13	-0.1%
29.6%	11,478	11,468	-10	0.0%
30.9%	10,320	10,351	31	0.3%
32.1%	9,276	10,320	1,043	11.2%
33.3%	9,108	10,091	983	10.8%
34.6%	9,090	9,274	185	2.0%
35.8%	9,086	9,088	2	0.0%
37.0%	8,947	9,087	140	1.5%
38.3%	8,882	8,945	63	0.7%
39.5%	8,847	8,887	40	0.5%
40.7%	8,727	8,883	156	1.8%
42.0%	8,465	8,733	268	3.2%
43.2%	8,227	8,767	540	6.6%
44.4%	8,144	8,163	19	0.2%
45.7%	7,381	7,772	391	5.3%
46.9%	7,364	7,766	402	5.5%
48.1%	7,340	7,598	258	3.5%
49.4%	7,231	7,525	294	4.1%
50.6%	6,879	7,497	618	8.9%
51.9%	7,038	7,411	373	5.3%
53.1%	6,954	7,359	405	5.8%
54.3%	6,938	7,340	402	5.8%
55.6%	6,787	7,230	443	6.5%
56.8%	6,781	7,109	328	4.8%
58.0%	6,679	7,100	421	6.3%
59.3%	6,655	6,954	299	4.5%
60.5%	6,583	6,936	353	5.4%
61.7%	6,320	6,776	455	7.2%
63.0%	6,279	6,607	327	5.2%
64.2%	6,256	6,580	324	5.2%
65.4%	6,244	6,524	280	4.5%
66.7%	6,230	6,452	222	3.6%
67.9%	6,146	6,450	304	5.0%
69.1%	6,001	6,410	409	6.8%
70.4%	5,977	6,294	317	5.3%
71.6%	5,958	6,258	300	5.0%
72.8%	5,868	6,254	386	6.6%
74.1%	5,835	6,187	352	6.0%
75.3%	5,689	6,164	476	8.4%
76.5%	5,581	6,159	578	10.3%
77.8%	5,562	6,067	505	9.1%
79.0%	5,552	5,960	408	7.3%
80.2%	5,529	5,843	314	5.7%
81.5%	5,483	5,685	202	3.7%
82.7%	5,430	5,688	258	4.4%
84.0%	5,351	5,512	162	3.0%
85.2%	5,284	5,374	90	1.7%
86.4%	5,271	5,348	77	1.5%
87.7%	5,235	5,330	95	1.8%
88.9%</				



Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	73,753	87,112	13,360	18.1%	
1.2%	63,651	73,747	10,096	15.9%	
2.5%	62,988	68,315	5,323	8.5%	
3.7%	55,342	55,342	0	0.0%	
4.9%	48,198	49,747	1,549	3.2%	
6.2%	46,049	48,204	2,155	4.7%	
7.4%	45,499	45,449	-53	-0.1%	
8.6%	43,857	43,880	23	0.1%	
9.9%	43,349	43,869	520	0.5%	
11.1%	41,315	43,349	2,034	4.9%	
12.3%	40,874	42,035	1,161	2.8%	
13.6%	39,605	39,610	5	0.0%	
14.8%	37,770	37,776	7	0.0%	
16.0%	32,922	32,925	3	0.0%	
17.3%	32,834	32,834	1	0.0%	
18.5%	30,989	30,992	3	0.0%	
19.8%	29,875	29,880	5	0.0%	
21.0%	27,916	27,920	4	0.0%	
22.2%	27,192	27,192	1	0.0%	
23.5%	24,261	24,345	1,084	4.5%	
24.7%	24,237	24,239	2	0.0%	
25.9%	23,283	23,602	319	1.4%	
27.2%	21,361	23,282	1,922	9.0%	
28.4%	20,820	21,707	887	4.3%	
29.6%	20,716	20,916	201	0.5%	
30.9%	18,133	20,716	2,582	14.2%	
32.1%	16,595	17,714	1,120	6.7%	
33.3%	16,374	17,108	734	4.5%	
34.6%	15,797	16,547	751	4.8%	
35.8%	15,289	15,290	0	0.0%	
37.0%	14,935	15,264	329	2.2%	
38.3%	13,932	14,936	1,004	7.2%	
39.5%	13,647	13,934	287	2.1%	
40.7%	13,108	13,765	656	5.0%	
42.0%	12,926	13,115	190	1.5%	
43.2%	12,811	12,811	110	0.2%	
44.4%	12,313	12,310	-4	-0.0%	
45.7%	11,188	11,840	652	5.8%	
46.9%	11,069	11,184	116	1.0%	
48.1%	10,959	10,958	-2	0.0%	
49.4%	10,773	10,772	-1	0.0%	
50.6%	10,733	10,733	0	0.0%	
51.9%	10,478	10,481	3	0.0%	
53.1%	9,844	10,014	169	1.7%	
54.3%	9,696	9,845	149	1.5%	
55.6%	9,222	9,698	476	5.2%	
56.8%	8,968	9,222	255	2.8%	
58.0%	8,958	9,148	190	2.1%	
59.3%	8,604	8,970	366	4.3%	
60.5%	8,596	8,609	13	0.2%	
61.7%	8,525	8,597	71	0.8%	
63.0%	8,459	8,458	-2	0.0%	
64.2%	8,188	8,186	-2	-0.0%	
65.4%	8,083	8,093	10	0.1%	
66.7%	7,893	7,895	2	0.0%	
67.9%	7,840	7,843	3	0.0%	
69.1%	7,685	7,685	0	0.0%	
70.4%	7,680	7,683	2	0.0%	
71.6%	7,579	7,579	1	0.0%	
72.8%	7,361	7,362	1	0.0%	
74.1%	7,150	7,151	1	0.0%	
75.3%	7,025	6,835	-190	-2.7%	
76.5%	6,836	6,828	-7	-0.1%	
77.8%	6,629	6,639	10	0.2%	
79.0%	6,639	6,638	-1	-0.0%	
80.2%	6,636	6,557	-79	-1.2%	
81.5%	6,551	6,505	-46	-0.7%	
82.7%	6,499	6,167	-332	-5.1%	
84.0%	5,851	5,924	141	2.4%	
85.2%	5,404	5,853	448	8.3%	
86.4%	5,379	5,402	23	0.4%	
87.7%	5,240	5,379	139	2.6%	
88.9%	5,167	5,179	11	0.2%	
90.1%	5,142	5,169	27	0.5%	
91.4%	5,057	5,057	0	0.0%	
92.6%	5,045	5,046	2	0.0%	
93.8%	4,983	4,981	-2	0.0%	
95.1%	4,919	4,923	4	0.1%	
96.3%	4,673	4,837	164	3.5%	
97.5%	4,498	4,773	274	6.1%	
98.8%	4,445	4,448	3	0.1%	
100.0%	4,376	4,423	47	1.1%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	69,288	73,575	4,287	6.2%	
1.2%	69,129	69,900	771	0.2%	
2.5%	53,614	53,619	4	0.0%	
3.7%	50,182	46,785	-3,397	-6.8%	
4.9%	46,783	38,358	-8,425	-18.0%	
6.2%	38,367	33,131	-5,236	-13.6%	
7.4%	33,142	31,948	-1,193	-3.6%	
8.6%	31,960	30,899	-1,061	-3.3%	
9.9%	29,393	29,394	1	0.0%	
11.1%	26,761	26,735	-26	-0.1%	
12.3%	25,171	25,176	5	0.0%	
13.6%	23,894	23,863	-31	-0.1%	
14.8%	21,392	21,394	2	0.0%	
16.0%	20,534	20,537	4	0.0%	
17.3%	19,938	19,938	1	0.0%	
18.5%	19,694	19,136	-558	-2.8%	
19.8%	19,136	18,687	-449	-2.3%	
21.0%	18,536	18,536	0	0.0%	
22.2%	18,475	18,234	-240	-1.3%	
23.5%	17,823	17,063	-760	-4.3%	
24.7%	17,689	17,683	-6	0.0%	
25.9%	17,373	17,374	1	0.0%	
27.2%	15,413	15,758	345	2.2%	
28.4%	14,807	14,810	3	0.0%	
29.6%	14,263	14,263	0	0.0%	
30.9%	13,823	13,729	-95	-0.7%	
32.1%	13,661	13,661	0	0.0%	
33.3%	12,562	12,564	2	0.0%	
34.6%	12,345	12,345	0	0.0%	
35.8%	11,746	11,899	153	1.3%	
37.0%	11,704	11,703	-1	0.0%	
38.3%	11,648	10,893	-755	-6.5%	
39.5%	10,908	10,778	-130	-1.2%	
40.7%	10,657	10,653	-5	0.0%	
42.0%	10,159	10,164	5	0.1%	
43.2%	9,821	9,873	52	0.5%	
44.4%	9,804	9,809	5	0.1%	
45.7%	9,745	9,747	2	0.0%	
46.9%	9,699	9,692	-7	-0.1%	
48.1%	9,426	9,426	1	0.0%	
49.4%	9,066	9,064	-2	0.0%	
50.6%	9,043	9,049	6	0.1%	
51.9%	8,778	8,781	3	0.0%	
53.1%	8,702	8,703	1	0.0%	
54.3%	8,617	8,619	2	0.0%	
55.6%	8,545	8,545	0	0.0%	
56.8%	8,500	8,504	4	0.0%	
58.0%	8,176	8,174	-2	0.0%	
59.3%	8,097	8,103	6	0.1%	
60.5%	8,020	8,024	4	0.0%	
61.7%	7,826	7,826	0	0.0%	
63.0%	7,776	7,773	-3	0.0%	
64.2%	7,769	7,769	1	0.0%	
65.4%	7,764	7,764	0	0.0%	
66.7%	7,660	7,661	1	0.0%	
67.9%	7,473	7,473	0	0.0%	
69.1%	7,453	7,459	6	0.1%	
70.4%	7,195	7,175	-20	-0.3%	
71.6%	7,088	7,088	0	0.0%	
72.8%	6,913	6,916	2	0.0%	
74.1%	6,889	6,889	0	0.0%	
75.3%	6,832	6,832	0	0.0%	
76.5%	6,807	6,811	4	0.1%	
77.8%	6,764	6,764	0	0.0%	
79.0%	6,399	6,398	0	0.0%	
80.2%	6,886	6,007	-121	-2.1%	
81.5%	5,851	5,886	35	0.6%	
82.7%	5,804	5,850	46	0.8%	
84.0%	5,689	5,804	115	2.0%	
85.2%	5,672	5,691	19	0.3%	
86.4%	5,535	5,673	139	2.5%	
87.7%	5,475	5,535	61	1.1%	
88.9%	5,238	5,474	236	4.5%	
90.1%	5,041	5,114	73	1.4%	
91.4%	4,934	5,042	109	2.2%	
92.6%	4,867	4,934	67	1.4%	
93.8%	4,780	4,873	93	1.9%	
95.1%	4,636	4,782	146	3.1%	
96.3%	4,553	4,641	88	1.9%	
97.5%	4,426	4,635	208	4.7%	
98.8%	4,393	4,523	129	2.9%	
100.0%	4,218	4,216	-2	-0.1%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	41,237	41,238	1	0.0%	
1.2%	33,742	33,744	2	0.0%	
2.5%	24,735	24,738	3	0.0%	
3.7%	23,685	23,602	-83	-0.4%	
4.9%	22,403	22,525	122	0.5%	
6.2%	22,085	18,007	-4,079	-18.5%	
7.4%	17,949	17,949	0	0.0%	
8.6%	17,618	17,620	3	0.0%	
9.9%	17,589	17,589	3	0.0%	
11.1%	16,929	16,930	1	0.0%	
12.3%	16,888	16,895	7	0.0%	
13.6%	16,211	16,212	1	0.0%	
14.8%	15,752	15,754	2	0.0%	
16.0%	14,581	14,583	3	0.0%	
17.3%	14,337	14,346	8	0.1%	
18.5%	14,180	14,189	9	0.1%	
19.8%	13,401	13,201	-200	-1.5%	
21.0%	13,200	12,390	-810	-6.1%	
22.2%	11,964	12,146	181	1.5%	
23.5%	11,719	11,965	246	2.1%	
24.7%	11,308	11,722	414	3.7%	
25.9%	10,888	11,308	420	3.9%	
27.2%	10,582	9,944	-638	-6.0%	
28.4%	10,332	9,539	-793	-7.7%	
29.6%	9,858	9,405	-452	-4.6%	
30.9%	9,764	9,315	-449	-4.6%	
32.1%	9,445	9,262	-182	-1.9%	
33.3%	9,443	9,117	-326	-3.5%	
34.6%	9,263	8,985	-278	-3.0%	
35.8%	9,187	8,930	-258	-2.8%	
37.0%	9,158	8,901	-257	-2.8%	
38.3%	8,930	8,830	-99	-1.1%	
39.5%	8,925	8,800	-125	-1.4%	
40.7%	8,837	8,753	-84	-1.0%	
42.0%	8,796	8,750	-46	-0.5%	
43.2%	8,744	8,744	0	0.0%	
44.4%	8,742	8,695	-47	-0.5%	
45.7%	8,728	8,677	-51	-0.6%	
46.9%	8,606	8,666	59	0.7%	
48.1%	8,575	8,558	-18	-0.2%	
49.4%	8,557	8,530	-27	-0.3%	
50.6%	8,529	8,505	-24	-0.3%	
51.9%	8,524	8,504	-20	-0.2%	
53.1%	8,438	8,426	-12	-0.1%	
54.3%	8,429	8,305	-124	-1.5%	
55.6%	8,426	8,083	-343	-4.1%	
56.8%	8,373	8,071	-303	-3.6%	
58.0%	8,340	7,926	-414	-5.0%	
59.3%	8,201	7,756	-445	-5.4%	
60.5%	8,080	7,735	-345	-4.3%	
61.7%	7,977	7,649	-328	-4.1%	
63.0%	7,804	7,629	-175	-2.2%	
64.2%	7,695	7,624	-71	-0.9%	
65.4%	7,651	7,432	-219	-2.9%	
66.7%	7,634	7,361	-273	-3.6%	
67.9%	7,556	7,348	-208	-2.7	



Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,100	25,101	1	0.0%
1.2%	17,370	17,367	-3	0.0%
2.5%	15,514	15,729	215	1.4%
3.7%	15,513	14,803	-709	-4.6%
4.9%	14,859	13,707	-1,152	-7.8%
6.2%	14,471	13,514	-957	-6.6%
7.4%	13,926	13,143	-783	-5.6%
8.6%	13,610	13,043	-567	-4.2%
9.9%	13,444	13,016	-428	-3.2%
11.1%	13,275	12,908	-367	-2.8%
12.3%	13,226	12,813	-414	-3.1%
13.6%	13,134	12,583	-551	-4.2%
14.8%	12,932	12,431	-500	-3.9%
16.0%	12,753	12,372	-382	-3.0%
18.5%	12,675	12,142	-533	-4.2%
19.8%	12,588	12,126	-462	-3.7%
21.0%	12,376	12,079	-297	-2.4%
22.2%	12,362	12,078	-284	-2.3%
23.5%	12,323	11,981	-342	-2.8%
24.7%	12,304	11,935	-369	-3.0%
25.9%	12,244	11,876	-367	-3.0%
27.2%	12,229	11,830	-399	-3.3%
28.4%	12,143	11,787	-356	-2.9%
29.5%	12,041	11,756	-285	-2.4%
30.9%	12,012	11,677	-335	-2.8%
32.1%	11,893	11,550	-342	-2.9%
33.3%	11,870	11,537	-333	-2.8%
34.6%	11,868	11,472	-396	-3.3%
35.8%	11,833	11,468	-367	-3.1%
37.0%	11,755	11,455	-300	-2.6%
38.3%	11,755	11,449	-306	-2.6%
39.5%	11,753	11,441	-313	-2.7%
40.7%	11,747	11,432	-314	-2.7%
42.0%	11,738	11,411	-327	-2.8%
43.2%	11,726	11,404	-322	-2.7%
44.4%	11,710	11,342	-368	-3.1%
45.7%	11,654	11,236	-418	-3.6%
46.9%	11,529	11,184	-345	-3.0%
48.1%	11,523	11,110	-413	-3.6%
49.4%	11,484	11,069	-415	-3.6%
50.6%	11,480	11,052	-428	-3.7%
51.9%	11,432	11,018	-414	-3.6%
53.1%	11,394	10,724	-670	-5.9%
54.3%	11,362	10,711	-651	-5.7%
55.6%	11,361	10,581	-780	-6.9%
56.8%	11,293	10,537	-756	-6.7%
58.0%	11,285	10,488	-797	-7.1%
59.3%	11,271	10,349	-923	-8.2%
60.5%	11,270	10,317	-954	-8.5%
61.7%	11,257	10,310	-947	-8.4%
63.0%	11,231	10,062	-1,170	-10.4%
64.2%	11,220	10,050	-1,170	-10.4%
65.4%	11,207	10,035	-1,172	-10.5%
66.7%	11,202	9,942	-1,261	-11.3%
67.9%	11,118	9,849	-1,269	-11.4%
69.1%	11,070	9,766	-1,304	-11.8%
70.4%	10,960	9,743	-1,217	-11.2%
71.6%	10,873	9,723	-1,150	-10.6%
72.8%	10,725	9,521	-1,204	-11.2%
74.1%	10,595	9,446	-1,149	-10.8%
75.3%	10,589	9,354	-1,236	-11.7%
76.5%	10,505	9,311	-1,193	-11.4%
77.8%	10,474	9,277	-1,196	-11.4%
79.0%	10,422	9,218	-1,204	-11.6%
80.2%	10,401	9,208	-1,193	-11.5%
81.5%	10,373	9,107	-1,266	-12.2%
82.7%	10,276	9,103	-1,174	-11.4%
84.0%	10,197	8,979	-1,218	-11.9%
85.2%	10,134	8,848	-1,285	-12.7%
86.4%	10,112	8,743	-1,368	-13.5%
87.7%	10,081	8,595	-1,485	-14.7%
88.9%	10,044	8,485	-1,560	-15.5%
90.1%	9,992	8,476	-1,515	-15.2%
91.4%	9,959	8,359	-1,607	-16.1%
92.6%	9,416	8,215	-1,201	-12.8%
93.8%	9,342	8,185	-1,157	-12.4%
95.1%	9,057	8,182	-875	-9.7%
96.3%	9,012	7,854	-1,158	-12.8%
97.5%	8,626	7,746	-880	-10.2%
98.8%	8,494	7,674	-820	-9.7%
100.0%	8,123	7,464	-660	-8.1%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,092	17,093	1	0.0%
1.2%	16,900	15,798	-1,102	-6.5%
2.5%	15,739	15,430	-309	-2.3%
3.7%	15,619	15,353	-267	-1.7%
4.9%	15,467	15,350	-117	-0.8%
6.2%	15,430	15,338	-92	-0.6%
7.4%	15,345	15,304	-41	-0.3%
8.6%	15,332	15,188	-144	-0.9%
9.9%	15,325	15,147	-178	-1.2%
11.1%	15,308	15,129	-179	-1.2%
12.3%	15,212	15,053	-159	-1.0%
13.6%	15,150	15,052	-98	-0.6%
14.8%	15,131	15,000	-131	-0.9%
16.0%	15,127	14,816	-311	-2.1%
17.3%	15,039	14,878	-161	-1.1%
18.5%	14,998	14,801	-197	-1.3%
19.8%	14,994	14,771	-224	-1.5%
21.0%	14,975	14,639	-336	-2.2%
22.2%	14,945	14,549	-396	-2.6%
23.5%	14,904	14,546	-357	-2.4%
24.7%	14,902	14,496	-406	-2.7%
25.9%	14,869	14,472	-397	-2.7%
27.2%	14,728	14,463	-265	-1.8%
28.4%	14,611	14,428	-183	-1.3%
29.5%	14,585	14,350	-235	-1.6%
30.9%	14,564	14,345	-219	-1.5%
32.1%	14,531	13,793	-738	-5.1%
33.3%	14,499	13,768	-732	-5.0%
34.6%	14,466	13,651	-815	-5.6%
35.8%	14,320	13,471	-849	-5.9%
37.0%	14,252	13,409	-843	-5.9%
38.3%	14,028	13,401	-627	-4.5%
39.5%	13,904	13,350	-554	-4.0%
40.7%	13,868	13,348	-520	-3.7%
42.0%	13,815	13,341	-474	-3.4%
43.2%	13,781	13,212	-569	-4.1%
44.4%	13,698	13,290	-408	-3.0%
45.7%	13,597	13,264	-333	-2.5%
46.9%	13,524	13,240	-284	-2.1%
48.1%	13,384	13,211	-173	-1.3%
49.4%	13,293	13,201	-92	-0.7%
50.6%	13,282	13,212	-70	-0.5%
51.9%	13,151	13,063	-87	-0.7%
53.1%	13,094	12,972	-121	-0.9%
54.3%	13,057	12,945	-112	-0.9%
55.6%	13,031	12,943	-88	-0.7%
56.8%	12,897	12,832	-65	-0.5%
58.0%	12,886	12,812	-74	-0.6%
59.3%	12,852	12,800	-52	-0.4%
60.5%	12,818	12,839	22	0.2%
61.7%	12,790	12,828	38	0.3%
63.0%	12,707	12,827	120	0.9%
64.2%	12,701	12,816	115	0.9%
65.4%	12,673	12,803	130	1.0%
66.7%	12,642	12,789	147	1.2%
67.9%	12,592	12,778	186	1.5%
69.1%	12,492	12,735	243	1.9%
70.4%	12,415	12,732	317	2.6%
71.6%	12,402	12,639	237	1.9%
72.8%	12,400	12,636	136	1.1%
74.1%	12,339	12,524	185	1.5%
75.3%	12,131	12,370	238	2.0%
76.5%	12,092	12,312	220	1.8%
77.8%	12,057	12,257	200	1.7%
79.0%	12,029	12,167	138	1.1%
80.2%	11,983	12,063	80	0.7%
81.5%	11,974	11,942	-32	-0.3%
82.7%	11,934	11,898	-36	-0.3%
84.0%	11,866	11,886	20	0.2%
85.2%	11,713	11,737	24	0.2%
86.4%	11,455	11,515	59	0.5%
87.7%	11,430	11,378	-52	-0.5%
88.9%	11,407	11,343	-64	-0.6%
90.1%	11,335	11,219	-116	-1.0%
91.4%	11,224	10,969	-255	-2.3%
92.6%	11,133	10,989	-143	-1.3%
93.8%	11,080	10,986	-94	-0.8%
95.1%	10,981	10,712	-269	-2.4%
96.3%	10,902	10,361	-541	-5.0%
97.5%	9,239	10,285	1,046	11.3%
98.8%	8,950	9,951	1,001	11.2%
100.0%	8,536	9,470	934	10.9%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,099	15,098	-1	0.0%
1.2%	14,801	14,801	1	0.0%
2.5%	13,745	13,743	-2	0.0%
3.7%	13,590	13,249	-341	-2.5%
4.9%	13,246	11,757	-1,489	-11.2%
6.2%	13,127	11,631	-1,495	-11.4%
7.4%	12,701	11,498	-1,203	-9.5%
8.6%	12,386	11,135	-1,251	-10.1%
9.9%	12,206	11,080	-1,126	-9.2%
11.1%	12,085	11,078	-1,007	-8.3%
12.3%	12,045	11,004	-1,041	-8.6%
13.6%	12,026	10,974	-1,052	-8.7%
14.8%	12,012	10,961	-1,051	-8.8%
16.0%	11,922	10,920	-1,002	-8.4%
17.3%	11,811	10,806	-1,004	-8.5%
18.5%	11,581	10,737	-844	-7.3%
19.8%	11,430	10,717	-713	-6.2%
21.0%	11,381	10,689	-692	-6.1%
22.2%	11,206	10,660	-546	-4.9%
23.5%	11,130	10,556	-574	-5.2%
24.7%	11,043	10,642	-400	-3.6%
25.9%	11,034	10,636	-398	-3.6%
27.2%	12,961	10,631	-329	-3.0%
28.4%	10,959	10,631	-328	-3.0%
29.5%	11,030	10,630	-400	-3.6%
30.9%	10,906	10,615	-291	-2.7%
32.1%	10,904	10,601	-303	-2.8%
33.3%	10,886	10,586	-300	-2.8%
34.6%	10,882	10,563	-319	-2.9%
35.8%	10,799	10,541	-259	-2.4%
37.0%	10,791	10,501	-290	-2.7%
38.3%	10,728	10,477	-251	-2.3%
39.5%	10,616	10,445	-171	-1.6%
40.7%	10,594	10,351	-242	-2.3%
42.0%	10,580	10,349	-231	-2.2%
43.2%	10,568	10,325	-243	-2.3%
44.4%	10,453	10,321	-133	-1.3%
45.7%	10,436	10,277	-159	-1.5%
46.9%	10,423	10,262	-161	-1.5%
48.1%	10,405	10,211	-194	-1.8%
49.4%	10,348	10,219	-129	-1.2%
50.6%	10,325	10,215	-110	-1.1%
51.9%	10,314	10,209	-105	-1.0%
53.1%	10,221	10,188	-33	-0.3%
54.3%	10,215	10,186	-29	-0.3%
55.6%	10,140	10,185	45	0.4%
56.8%	10,139	10,159	19	0.2%
58.0%	10,137	10,152	15	0.1%
59.3%	10,094	10,136	42	0.4%
60.5%	10,008	10,119	110	1.1%
61.7%	9,994	10,115	121	1.2%
63.0%	9,949	10,113	164	1.6%
64.2%	9,843	10,090	247	2.5%
65.4%	9,804	10,084	280	2.9%
66.7%	9,797	10,069	272	2.8%
67.9%	9,751	10,068	317	3.2%
69.1%	9,705	10,062	357	3.7%
70.4%	9,623	10,056	433	4.5%
71.6%	9,553	10,052	499	5.2%
72.8%	9,470	10,009	539	5.7%
74.1%	9,445	9,987	543	5.7%
75.3%	9,316	9,951	636	6.8%
76.5%	9,260	9,943	684	7.4%
77.8%	9,208	9,872	664	7.2%
79.0%	9,175	9,826	651	7.1%
80.2%	9,159	9,748	588	

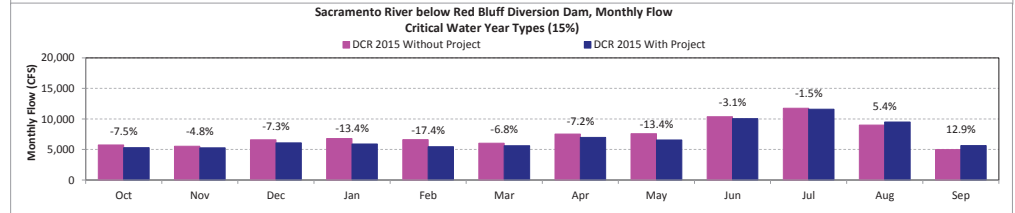
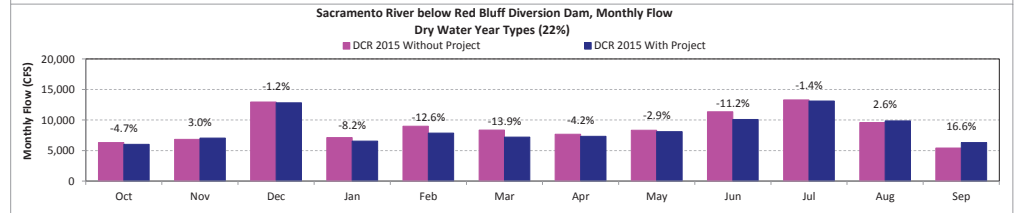
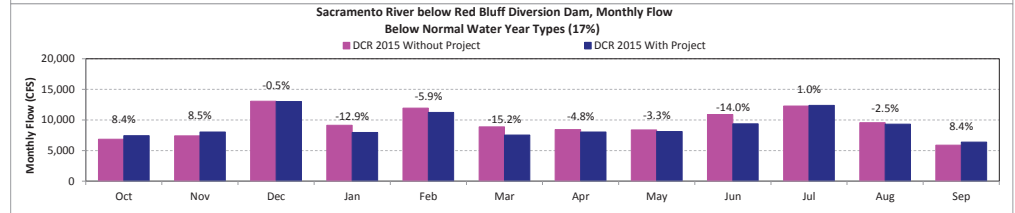
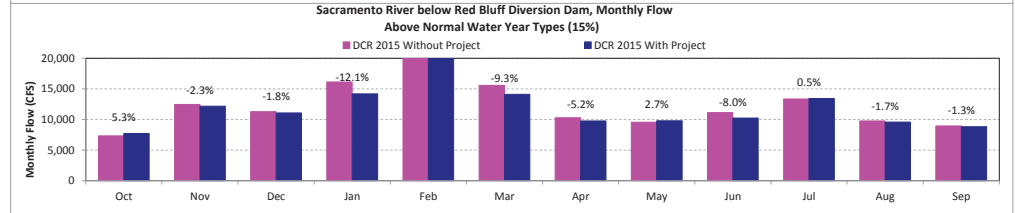
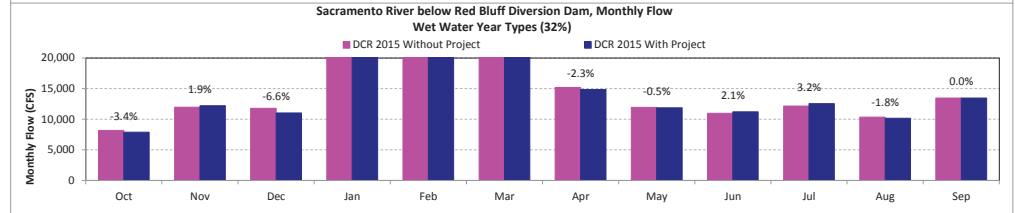
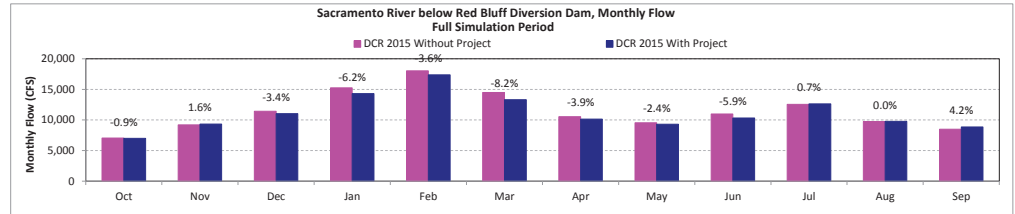
Table SW-12-a  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	7,055	9,194	11,427	15,241	18,024	14,498	10,547	9,551	10,977	12,544	9,763	8,497
DCR 2015 With Project	6,994	9,339	11,037	14,297	17,381	13,305	10,140	9,318	10,332	12,631	9,764	8,855
Difference	-61	145	-390	-944	-643	-1,194	-407	-232	-645	87	1	358
Percent Difference <sup>2</sup>	-0.9%	1.6%	-3.4%	-6.2%	-3.6%	-8.2%	-3.9%	-2.4%	-5.9%	0.7%	0.0%	4.2%
<b>Water Year Types<sup>3</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,164	11,971	11,795	27,643	30,275	25,194	15,200	11,940	10,981	12,158	10,349	13,457
DCR 2015 With Project	7,889	12,202	11,019	27,024	30,407	23,822	14,852	11,877	11,209	12,551	10,160	13,458
Difference	-275	231	-776	-618	131	-1,371	-348	-62	228	393	-189	1
Percent Difference	-3.4%	1.9%	-6.6%	-2.2%	0.4%	-5.4%	-2.3%	-0.5%	2.1%	3.2%	-1.8%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	7,321	12,466	11,267	16,133	23,534	15,575	10,289	9,539	11,109	13,357	9,748	8,943
DCR 2015 With Project	7,707	12,182	11,062	14,187	22,520	14,120	9,754	9,795	10,226	13,417	9,579	8,824
Difference	386	-284	-205	-1,946	-1,014	-1,456	-534	256	-883	60	-169	-119
Percent Difference	5.3%	-2.3%	-1.8%	-12.1%	-4.3%	-9.3%	-5.2%	2.7%	-8.0%	0.5%	-1.7%	-1.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	6,856	7,416	13,075	9,131	11,942	8,876	8,429	8,386	10,896	12,267	9,556	5,876
DCR 2015 With Project	7,432	8,045	13,011	7,951	11,240	7,528	8,029	8,109	9,368	12,395	9,315	6,371
Difference	576	629	-64	-1,180	-702	-1,348	-401	-277	-1,528	128	-242	494
Percent Difference	8.4%	8.5%	-0.5%	-12.9%	-5.9%	-15.2%	-4.8%	-3.3%	-14.0%	1.0%	-2.5%	8.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,312	6,830	12,955	7,115	8,991	8,357	7,658	8,328	11,351	13,294	9,595	5,415
DCR 2015 With Project	6,013	7,034	12,805	6,529	7,861	7,192	7,335	8,083	10,077	13,102	9,849	6,312
Difference	-300	204	-150	-587	-1,130	-1,165	-323	-245	-1,275	-191	254	897
Percent Difference	-4.7%	3.0%	-1.2%	-8.2%	-12.6%	-13.9%	-4.2%	-2.9%	-11.2%	-1.4%	2.6%	16.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,732	5,525	6,576	6,799	6,615	6,020	7,527	7,578	10,372	11,767	9,002	4,985
DCR 2015 With Project	5,300	5,258	6,095	5,891	5,463	5,611	6,984	6,560	10,049	11,587	9,489	5,626
Difference	-432	-267	-481	-908	-1,151	-409	-543	-1,017	-323	-180	487	641
Percent Difference	-7.5%	-4.8%	-7.3%	-13.4%	-17.4%	-6.8%	-7.2%	-13.4%	-3.1%	-1.5%	5.4%	12.9%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-12-b**  
**Sacramento River below Red Bluff Diversion Dam, Monthly Flow**  
**Probability of Exceedance**

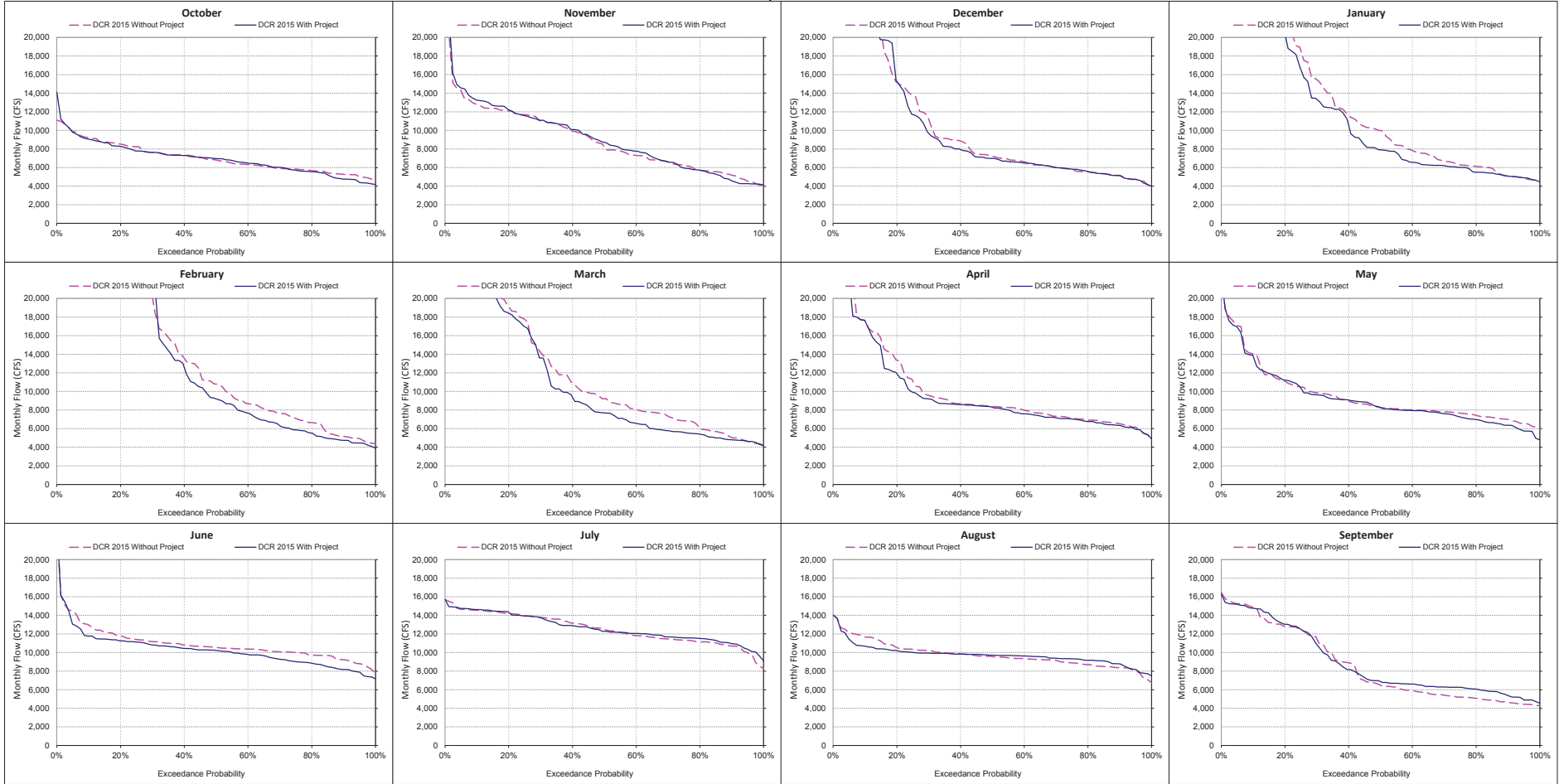


Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11 091	14 114	3 023	27.3%
1.2%	10 974	11 238	264	2.4%
2.5%	10 690	10 690	1	0.0%
3.7%	10 292	10 346	54	0.5%
4.9%	9 887	9 811	-76	-0.8%
6.2%	9 804	9 595	-210	-2.1%
7.4%	9 436	9 305	-131	-1.4%
8.6%	9 294	9 146	-148	-1.6%
9.9%	9 215	9 052	-162	-1.8%
11.1%	9 129	8 975	-154	-1.7%
12.3%	9 109	8 876	-233	-2.6%
13.6%	8 764	8 818	54	0.6%
14.8%	8 738	8 655	-82	-0.9%
16.0%	8 721	8 651	-70	-0.8%
17.3%	8 658	8 352	-306	-3.5%
18.5%	8 630	8 318	-312	-3.6%
19.8%	8 525	8 298	-227	-2.7%
21.0%	8 457	8 219	-238	-2.8%
22.2%	8 316	8 062	-254	-3.1%
23.5%	8 274	7 938	-336	-4.1%
24.7%	8 245	7 789	-456	-5.5%
25.9%	8 222	7 764	-458	-5.6%
27.2%	7 717	7 762	45	0.6%
28.4%	7 671	7 660	-11	-0.1%
29.6%	7 637	7 644	7	0.1%
30.9%	7 614	7 643	29	0.4%
32.1%	7 586	7 573	-14	-0.2%
33.3%	7 436	7 478	42	0.6%
34.6%	7 412	7 346	-65	-0.9%
35.8%	7 369	7 335	-34	-0.5%
37.0%	7 363	7 321	-42	-0.6%
38.3%	7 363	7 317	-46	-0.6%
39.5%	7 343	7 297	-46	-0.6%
40.7%	7 317	7 295	-22	-0.3%
42.0%	7 303	7 176	-127	-1.7%
43.2%	7 297	7 043	-254	-3.5%
44.4%	7 078	7 131	53	0.8%
45.7%	7 065	7 055	-10	-0.1%
46.9%	6 901	7 052	152	2.2%
48.1%	6 893	7 041	148	2.1%
49.4%	6 841	6 970	129	1.9%
50.6%	6 759	6 879	120	1.8%
51.9%	6 683	6 944	261	3.9%
53.1%	6 615	6 836	221	3.3%
54.3%	6 545	6 801	256	3.9%
55.6%	6 424	6 724	300	4.7%
56.8%	6 368	6 613	225	3.5%
58.0%	6 383	6 579	196	3.1%
59.3%	6 347	6 523	176	2.8%
60.5%	6 286	6 440	154	2.5%
61.7%	6 263	6 429	166	2.7%
63.0%	6 252	6 411	159	2.5%
64.2%	6 176	6 307	131	2.1%
65.4%	6 071	6 278	207	3.4%
66.7%	6 065	6 157	93	1.5%
67.9%	5 985	6 047	61	1.0%
69.1%	5 905	6 029	124	2.1%
70.4%	5 895	6 021	126	2.1%
71.6%	5 894	6 049	95	1.1%
72.8%	5 881	5 819	-62	-1.1%
74.1%	5 844	5 756	-88	-1.5%
75.3%	5 829	5 689	-140	-2.4%
76.5%	5 774	5 614	-161	-2.8%
77.8%	5 774	5 610	-164	-2.8%
79.0%	5 713	5 576	-137	-2.4%
80.2%	5 666	5 558	-107	-1.9%
81.5%	5 621	5 520	-102	-1.8%
82.7%	5 604	5 436	-167	-3.0%
84.0%	5 581	5 404	-177	-3.2%
85.2%	5 404	5 264	-140	-2.6%
86.4%	5 375	5 490	115	2.1%
87.7%	5 332	4 864	-468	-8.8%
88.9%	5 303	4 802	-501	-9.4%
90.1%	5 258	4 743	-515	-9.8%
91.4%	5 245	4 742	-502	-9.6%
92.6%	5 240	4 712	-528	-10.1%
93.8%	5 231	4 691	-540	-10.3%
95.1%	4 982	4 382	-600	-12.0%
96.3%	4 956	4 343	-613	-12.4%
97.5%	4 894	4 322	-572	-11.7%
98.8%	4 757	4 249	-508	-10.7%
100.0%	4 754	4 181	-573	-12.1%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34 793	34 840	47	0.1%
1.2%	20 445	22 468	2 022	9.9%
2.5%	15 066	16 179	1 092	7.2%
3.7%	14 559	14 927	368	2.5%
4.9%	14 326	14 560	234	1.6%
6.2%	13 374	14 448	1 074	8.0%
7.4%	13 329	13 764	435	3.3%
8.6%	12 966	13 490	503	3.9%
9.9%	12 798	13 269	471	3.7%
11.1%	12 660	13 201	541	4.3%
12.3%	12 411	13 156	745	6.0%
13.6%	12 373	12 988	615	5.0%
14.8%	12 371	12 680	309	2.5%
16.0%	12 361	12 624	263	2.1%
17.3%	12 189	12 606	416	3.4%
18.5%	12 131	12 601	470	3.9%
19.8%	12 088	12 248	160	1.3%
21.0%	12 076	12 048	-28	-0.2%
22.2%	11 732	11 628	-97	-0.8%
23.5%	11 693	11 716	23	0.2%
24.7%	11 681	11 590	-92	-0.8%
25.9%	11 672	11 522	-150	-1.3%
27.2%	11 539	11 354	-185	-1.6%
28.4%	11 505	11 270	-235	-2.0%
29.6%	11 063	11 029	-34	-0.3%
30.9%	11 007	11 075	69	0.6%
32.1%	10 845	10 854	9	0.1%
33.3%	10 826	10 827	2	0.0%
34.6%	10 711	10 784	73	0.7%
35.8%	10 594	10 645	51	0.5%
37.0%	10 382	10 634	252	2.4%
38.3%	10 227	10 567	340	3.3%
39.5%	9 961	10 103	142	1.4%
40.7%	9 871	10 082	210	2.1%
42.0%	9 758	9 994	235	2.4%
43.2%	9 643	9 681	37	0.4%
44.4%	9 446	9 569	123	1.3%
45.7%	9 132	9 326	195	2.1%
46.9%	8 739	9 077	338	3.9%
48.1%	8 664	8 945	281	3.2%
49.4%	8 532	8 744	212	2.5%
50.6%	8 507	8 663	156	1.8%
51.9%	7 893	8 416	523	6.6%
53.1%	7 892	8 347	454	5.8%
54.3%	7 777	8 243	466	6.0%
55.6%	7 749	7 964	215	2.8%
56.8%	7 576	7 895	308	4.1%
58.0%	7 364	7 872	508	6.9%
59.3%	7 331	7 764	433	5.9%
60.5%	7 294	7 745	451	6.2%
61.7%	7 268	7 609	341	4.7%
63.0%	7 196	7 587	391	5.4%
64.2%	6 835	7 289	454	6.6%
65.4%	6 827	7 057	230	3.4%
66.7%	6 795	6 934	139	2.0%
67.9%	6 749	6 784	35	0.5%
69.1%	6 678	6 698	20	0.3%
70.4%	6 580	6 580	14	0.2%
71.6%	6 375	6 557	182	2.8%
72.8%	6 326	6 387	61	1.0%
74.1%	6 307	6 034	-273	-4.3%
75.3%	6 178	5 919	-260	-4.2%
76.5%	6 166	5 897	-269	-4.4%
77.8%	5 965	5 780	-185	-3.1%
79.0%	5 799	5 762	-37	-0.6%
80.2%	5 667	5 731	64	1.1%
81.5%	5 667	5 606	-61	-1.1%
82.7%	5 623	5 429	-195	-3.5%
84.0%	5 569	5 387	-182	-3.3%
85.2%	5 550	5 287	-263	-4.7%
86.4%	5 499	5 110	-388	-7.1%
87.7%	5 336	4 840	-496	-9.3%
88.9%	5 298	4 791	-507	-9.6%
90.1%	5 166	4 540	-626	-12.1%
91.4%	5 097	4 422	-675	-13.2%
92.6%	4 841	4 270	-571	-11.8%
93.8%	4 736	4 265	-471	-9.9%
95.1%	4 523	4 258	-265	-5.9%
96.3%	4 480	4 238	-242	-5.4%
97.5%	4 276	4 235	-41	-0.9%
98.8%	4 109	4 096	-13	-0.3%
100.0%	4 084	4 120	37	0.9%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43 105	41 319	-1 786	-4.1%
1.2%	42 310	40 396	-1 913	-4.5%
2.5%	35 158	35 138	-21	-0.1%
3.7%	35 068	32 945	-2 123	-6.1%
4.9%	32 697	32 070	-627	-1.9%
6.2%	30 779	28 387	-2 392	-7.8%
7.4%	30 014	28 223	-1 791	-6.0%
8.6%	29 842	27 716	-2 126	-7.1%
9.9%	24 052	22 009	-1 983	-8.2%
11.1%	23 898	21 982	-1 916	-8.0%
12.3%	21 478	21 775	297	1.4%
13.6%	21 473	20 960	-513	-2.4%
14.8%	21 262	19 771	-1 491	-7.0%
16.0%	18 437	19 748	1 310	7.1%
17.3%	17 534	19 667	2 133	12.2%
18.5%	16 064	19 397	3 333	20.7%
19.8%	15 215	15 394	179	1.2%
21.0%	14 913	14 795	-118	-0.8%
22.2%	14 698	14 598	-97	-0.7%
23.5%	14 172	12 576	-1 596	-11.3%
24.7%	13 771	11 755	-2 016	-14.6%
25.9%	13 595	11 598	-1 997	-14.7%
27.2%	13 252	11 354	-1 897	-14.3%
28.4%	11 936	10 729	-1 207	-10.1%
29.6%	11 602	9 802	-1 800	-15.5%
30.9%	10 339	9 962	-377	-3.7%
32.1%	9 364	9 172	-192	-2.1%
33.3%	9 171	8 918	-253	-2.8%
34.6%	9 146	8 292	-854	-9.3%
35.8%	9 131	8 262	-869	-9.5%
37.0%	8 966	8 218	-748	-8.5%
38.3%	8 978	8 016	-962	-10.7%
39.5%	8 909	8 012	-897	-10.1%
40.7%	8 772	7 843	-930	-10.6%
42.0%	8 496	7 787	-709	-8.3%
43.2%	8 462	7 842	-620	-7.3%
44.4%	7 473	7 170	-303	-4.1%
45.7%	7 415	7 114	-301	-4.1%
46.9%	7 394	7 107	-287	-3.9%
48.1%	7 380	7 005	-375	-5.1%
49.4%	7 271	6 972	-299	-4.1%
50.6%	7 162	6 970	-192	-2.7%
51.9%	7 046	6 858	-188	-2.7%
53.1%	6 982	6 697	-285	-4.1%
54.3%	6 973	6 687	-285	-4.1%
55.6%	6 802	6 615	-187	-2.8%
56.8%	6 791	6 593	-198	-2.9%
58.0%	6 679	6 583	-96	-1.4%
59.3%	6 679	6 524	-155	-2.3%
60.5%	6 591	6 455	-136	-2.1%
61.7%	6 325	6 454	129	2.0%
63.0%	6 285	6 415	130	2.1%
64.2%	6 283	6 283	0	0.0%
65.4%	6 251	6 263	12	0.2%
66.7%	6 235	6 207	-28	-0.5%
67.9%	6 166	6 162	-4	-0.1%
69.1%	6 010	6 074	64	1.1%
70.4%	5 977	5 967	-10	-0.2%
71.6%	5 956	5 944	-12	-0.2%
72.8%	5 868	5 910	42	0.7%
74.1%	5 857	5 865	8	0.1%
75.3%	5 735	5 817	81	1.4%
76.5%	5 584	5 808	224	4.0%
77.8%	5 564	5 732	168	3.0%
79.0%	5 555	5 672	116	2.1%
80.2%	5 544	5 516	-28	-0.5%
81.5%	5 483	5 462	-21	-0.4%
82.7%	5 450	5 374	-76	-1.4%
84.0%	5 355	5 352	-3	-0.1%
85.2%	5 305	5 338	33	0.6%
86.4%	5 274	5 246	-28	-0.5%
87.7%	5 250	5 149	-102	-1

Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,359	87,903	13,544	18.2%
1.2%	64,194	74,353	10,159	15.8%
2.5%	63,778	64,737	959	1.5%
3.7%	55,709	55,644	-65	-0.1%
4.9%	48,310	47,896	-414	-0.9%
6.2%	46,320	46,196	-124	-0.3%
7.4%	45,747	45,308	-439	-1.0%
8.6%	44,221	43,526	-695	-1.6%
9.9%	43,526	42,255	-1,271	-2.9%
11.1%	41,586	42,123	537	1.3%
12.3%	41,094	41,718	625	1.5%
13.6%	39,850	37,743	-2,107	-5.3%
14.8%	38,292	36,177	-2,115	-5.5%
16.0%	33,024	32,946	-78	-0.2%
17.3%	32,946	30,906	-2,039	-6.2%
18.5%	31,202	29,084	-2,119	-6.8%
19.8%	30,230	28,114	-2,116	-7.0%
21.0%	28,067	27,344	-722	-2.6%
22.2%	27,344	25,950	-1,394	-5.1%
23.5%	24,485	23,448	-1,037	-4.2%
24.7%	24,349	22,229	-2,120	-8.7%
25.9%	23,544	21,863	-1,681	-7.1%
27.2%	21,517	21,742	225	1.0%
28.4%	20,930	21,422	491	2.3%
29.6%	20,839	20,927	88	0.4%
30.9%	18,394	20,839	2,444	13.3%
32.1%	16,772	15,711	-1,061	-6.3%
33.3%	16,492	15,151	-1,341	-8.1%
34.6%	15,992	14,603	-1,388	-8.7%
35.8%	15,465	14,028	-1,438	-9.3%
37.0%	15,153	13,344	-1,809	-11.9%
38.3%	14,026	13,337	-689	-4.9%
39.5%	13,811	13,033	-778	-5.6%
40.7%	13,198	11,832	-1,367	-10.4%
42.0%	13,024	11,084	-1,940	-14.9%
43.2%	12,998	10,998	-2,000	-15.4%
44.4%	12,523	10,526	-1,997	-15.9%
45.7%	11,242	10,398	-844	-7.5%
46.9%	11,184	9,834	-1,350	-12.1%
48.1%	11,123	9,349	-1,773	-15.9%
49.4%	10,802	9,279	-1,523	-14.1%
50.6%	10,787	8,181	-2,606	-24.2%
51.9%	10,523	9,000	-1,524	-14.5%
53.1%	9,985	8,681	-1,304	-13.1%
54.3%	9,832	8,665	-1,167	-11.9%
55.6%	9,304	8,500	-804	-8.6%
56.8%	9,063	7,979	-1,083	-12.0%
58.0%	9,045	7,865	-1,180	-13.0%
59.3%	8,725	7,732	-993	-11.4%
60.5%	8,658	7,611	-1,047	-12.1%
61.7%	8,612	7,346	-1,266	-14.7%
63.0%	8,500	7,113	-1,387	-16.3%
64.2%	8,217	6,944	-1,273	-15.5%
65.4%	8,132	6,883	-1,249	-15.4%
66.7%	7,916	6,695	-1,221	-15.4%
67.9%	7,882	6,685	-1,197	-15.2%
69.1%	7,692	6,542	-1,150	-15.0%
70.4%	7,621	6,213	-1,408	-18.5%
71.6%	7,511	6,094	-1,517	-19.9%
72.8%	7,381	6,036	-1,344	-18.2%
74.1%	7,213	5,882	-1,331	-18.5%
75.3%	7,064	5,864	-1,200	-17.0%
76.5%	6,883	5,796	-1,087	-15.8%
77.8%	6,658	5,764	-1,094	-16.0%
79.0%	6,657	5,574	-1,083	-16.3%
80.2%	6,643	5,501	-1,142	-17.2%
81.5%	6,584	5,184	-1,400	-21.3%
82.7%	6,551	5,174	-1,377	-21.0%
84.0%	5,988	5,026	-962	-16.1%
85.2%	5,458	4,528	-930	-17.0%
86.4%	5,408	4,910	-497	-9.2%
87.7%	5,284	4,847	-438	-8.3%
88.9%	5,177	4,779	-398	-7.7%
90.1%	5,158	4,742	-416	-8.1%
91.4%	5,093	4,736	-357	-7.0%
92.6%	4,997	4,482	-515	-10.3%
93.8%	4,983	4,463	-521	-10.5%
95.1%	4,922	4,454	-469	-9.5%
96.3%	4,684	4,420	-264	-5.6%
97.5%	4,505	4,215	-290	-6.4%
98.8%	4,450	4,399	-51	-1.1%
100.0%	4,373	3,903	-470	-10.7%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,684	74,088	4,405	6.3%
1.2%	69,661	67,574	-2,078	-3.0%
2.5%	53,839	52,141	-1,698	-3.2%
3.7%	50,427	47,072	-3,355	-6.7%
4.9%	47,078	38,724	-8,354	-17.7%
6.2%	38,849	31,197	-7,652	-19.7%
7.4%	33,329	31,092	-2,236	-6.7%
8.6%	32,120	29,987	-2,133	-6.6%
9.9%	29,824	29,817	-7	0.0%
11.1%	27,031	25,360	-1,671	-6.2%
12.3%	25,391	24,884	-507	-2.0%
13.6%	23,904	23,849	-55	-0.2%
14.8%	21,576	21,421	-155	-0.7%
16.0%	20,581	20,555	-26	-0.1%
17.3%	20,062	19,208	-854	-4.3%
18.5%	19,902	18,629	-1,274	-6.4%
19.8%	19,217	18,463	-754	-3.9%
21.0%	18,637	18,234	-403	-2.2%
22.2%	18,596	17,807	-790	-4.2%
23.5%	18,002	17,480	-522	-2.9%
24.7%	17,829	17,045	-784	-4.4%
25.9%	17,504	16,774	-730	-4.2%
27.2%	15,250	15,714	464	3.0%
28.4%	15,029	15,024	-5	0.0%
29.6%	14,375	14,373	-2	0.0%
30.9%	13,837	13,573	-264	-1.9%
32.1%	13,669	12,257	-1,412	-10.3%
33.3%	12,709	10,589	-2,120	-16.7%
34.6%	12,404	10,286	-2,118	-17.1%
35.8%	11,799	10,282	-1,517	-12.9%
37.0%	11,730	9,920	-1,810	-15.4%
38.3%	11,768	9,912	-1,856	-15.8%
39.5%	11,038	9,677	-1,360	-12.3%
40.7%	10,686	8,934	-1,752	-16.4%
42.0%	10,289	8,901	-1,388	-13.5%
43.2%	10,098	8,565	-1,533	-15.2%
44.4%	9,924	8,561	-1,364	-13.7%
45.7%	9,804	8,187	-1,617	-16.5%
46.9%	9,770	7,808	-1,962	-20.1%
48.1%	9,532	7,770	-1,762	-18.5%
49.4%	9,221	7,707	-1,514	-16.4%
50.6%	8,870	7,684	-1,186	-13.4%
51.9%	8,803	7,642	-1,162	-13.2%
53.1%	8,745	7,411	-1,334	-15.3%
54.3%	8,643	7,117	-1,526	-17.7%
55.6%	8,578	7,097	-1,481	-17.3%
56.8%	8,573	6,951	-1,622	-18.9%
58.0%	8,198	6,886	-1,312	-16.0%
59.3%	8,132	6,625	-1,507	-18.5%
60.5%	8,018	6,539	-1,479	-18.4%
61.7%	7,881	6,457	-1,424	-18.1%
63.0%	7,820	6,465	-1,355	-17.5%
64.2%	7,779	6,017	-1,762	-22.7%
65.4%	7,758	6,000	-1,758	-22.7%
66.7%	7,684	5,902	-1,783	-23.2%
67.9%	7,621	5,884	-1,737	-22.8%
69.1%	7,517	5,795	-1,722	-22.9%
70.4%	7,264	5,757	-1,507	-20.8%
71.6%	7,140	5,690	-1,450	-20.3%
72.8%	6,916	5,683	-1,233	-17.8%
74.1%	6,871	5,665	-1,206	-17.5%
75.3%	6,847	5,573	-1,274	-18.6%
76.5%	6,842	5,500	-1,342	-19.6%
77.8%	6,743	5,487	-1,256	-18.6%
79.0%	6,474	5,439	-1,034	-16.0%
80.2%	6,492	5,401	-1,091	-16.8%
81.5%	6,584	5,317	-1,267	-19.2%
82.7%	6,820	5,123	-1,697	-24.9%
84.0%	6,698	5,088	-1,610	-24.0%
85.2%	6,690	4,997	-1,693	-25.3%
86.4%	6,508	4,996	-1,512	-23.2%
87.7%	6,496	4,884	-1,612	-24.8%
88.9%	6,212	4,810	-1,402	-22.6%
90.1%	6,005	4,787	-1,218	-20.3%
91.4%	5,993	4,775	-1,218	-20.3%
92.6%	4,887	4,745	-142	-2.9%
93.8%	4,749	4,720	-29	-0.6%
95.1%	4,619	4,615	-4	-0.1%
96.3%	4,575	4,611	36	0.8%
97.5%	4,399	4,524	125	2.8%
98.8%	4,276	4,276	0	0.0%
100.0%	4,173	4,163	-10	-0.2%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,372	41,126	-246	-0.6%
1.2%	33,812	33,814	2	0.0%
2.5%	24,792	24,798	6	0.0%
3.7%	23,674	23,591	-83	-0.4%
4.9%	22,547	22,669	122	0.5%
6.2%	22,182	18,103	-4,079	-18.4%
7.4%	18,003	18,002	-1	0.0%
8.6%	17,711	17,714	3	0.0%
9.9%	17,646	17,650	4	0.0%
11.1%	16,794	16,795	1	0.0%
12.3%	16,427	15,832	-596	-3.6%
13.6%	16,412	15,309	-1,104	-6.7%
14.8%	15,830	14,963	-867	-5.5%
16.0%	14,521	12,462	-2,059	-14.2%
17.3%	14,276	12,379	-1,897	-13.3%
18.5%	14,073	12,182	-1,891	-13.4%
19.8%	13,394	12,047	-1,347	-10.1%
21.0%	13,261	11,444	-1,817	-13.7%
22.2%	12,046	11,329	-717	-6.0%
23.5%	11,476	10,265	-1,211	-10.6%
24.7%	11,329	9,949	-1,380	-12.2%
25.9%	10,556	9,806	-750	-7.1%
27.2%	10,501	9,515	-986	-9.4%
28.4%	9,770	9,251	-519	-5.3%
29.6%	9,219	9,219	0	0.0%
30.9%	9,474	9,170	-304	-3.2%
32.1%	9,348	8,903	-444	-4.8%
33.3%	9,305	8,703	-602	-6.5%
34.6%	9,204	8,699	-505	-5.5%
35.8%	9,116	8,671	-445	-4.9%
37.0%	8,815	8,637	-178	-2.0%
38.3%	8,705	8,622	-83	-0.9%
39.5%	8,676	8,586	-90	-1.0%
40.7%	8,673	8,575	-98	-1.1%
42.0%	8,522	8,541	19	0.2%
43.2%	8,607	8,607	0	0.0%
44.4%	8,636	8,636	0	0.0%
45.7%	8,485	8,441	-44	-0.5%
46.9%	8,478	8,424	-54	-0.6%
48.1%	8,449	8,388	-62	-0.7%
49.4%	8,440	8,370	-70	-0.8%
50.6%	8,349	8,218	-131	-1.6%
51.9%	8,349	8,217	-132	-1.6%
53.1%	8,298	8,145	-152	-1.8%
54.3%	8,285	8,056	-228	-2.8%
55.6%	8,263	7,960	-304	-3.7%
56.8%	8,244	7,738	-506	-6.1%
58.0%	8,141	7,685	-456	-5.6%
59.3%	8,055	7,601	-454	-5.6%
60.5%	7,935	7,598	-337	-4.2%
61.7%	7,877	7,575	-302	-3.8%
63.0%	7,705	7,482	-222	-2.9%
64.2%	7,687	7,410	-277	-3.6%
65.4%	7,657	7,345	-311	-4.1%
66.7%	7,582	7,218	-364	-4.8%
67.9%	7,481	7,216	-265	-3.5%
69.1%	7,336	7,215	-121	-1.6%
70.4%	7,331	7,125	-206	-2.8%
71.6%	7,313	7,079	-233	-3.2%
72.8%	7,261	7,075	-186	-2.6%
74.1%	7,156	7,067	-89	-1.2%
75.3%	7,123	7,029	-95	-1.3%
76.5%	7,035	6,982	-53	-0.7%
77.8%	6,930	6,893	-37	-0.5%
79.0%	7,014	6,795</		

Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,987	23,988	1	0.0%
1.2%	16,173	16,171	-3	-0.0%
2.5%	15,145	15,158	13	0.1%
3.7%	14,576	14,541	-35	-0.2%
4.9%	14,475	13,055	-1,420	-9.8%
6.2%	14,081	12,859	-1,221	-8.7%
7.4%	13,180	12,526	-655	-5.0%
8.6%	13,107	11,819	-1,288	-9.8%
9.9%	12,996	11,783	-1,213	-9.3%
11.1%	12,667	11,758	-909	-7.2%
12.3%	12,416	11,494	-922	-7.4%
13.6%	12,409	11,463	-946	-7.6%
14.8%	12,211	11,451	-760	-6.2%
16.0%	12,126	11,437	-689	-5.7%
17.3%	12,111	11,367	-744	-6.1%
18.5%	11,884	11,355	-529	-4.4%
19.8%	11,852	11,247	-605	-5.1%
21.0%	11,685	11,242	-443	-3.8%
22.2%	11,527	11,175	-352	-3.1%
23.5%	11,454	11,157	-297	-2.6%
24.7%	11,419	11,136	-283	-2.5%
25.9%	11,361	11,110	-251	-2.2%
27.2%	11,346	11,043	-303	-2.7%
28.4%	11,284	10,940	-344	-2.9%
29.6%	11,174	10,824	-350	-3.1%
30.9%	11,165	10,795	-370	-3.3%
32.1%	11,141	10,727	-414	-3.7%
33.3%	11,040	10,719	-321	-2.9%
34.6%	11,011	10,693	-318	-2.9%
35.8%	10,987	10,618	-369	-3.4%
37.0%	10,972	10,611	-361	-3.3%
38.3%	10,957	10,503	-454	-4.1%
39.5%	10,827	10,466	-361	-3.3%
40.7%	10,805	10,442	-363	-3.4%
42.0%	10,725	10,437	-288	-2.7%
43.2%	10,684	10,366	-318	-3.0%
44.4%	10,681	10,285	-397	-3.7%
45.7%	10,657	10,274	-384	-3.6%
46.9%	10,636	10,273	-363	-3.4%
48.1%	10,609	10,260	-349	-3.3%
49.4%	10,550	10,244	-306	-2.9%
50.6%	10,521	10,187	-334	-3.2%
51.9%	10,469	10,129	-341	-3.3%
53.1%	10,467	10,101	-366	-3.5%
54.3%	10,461	10,083	-378	-3.6%
55.6%	10,420	9,940	-480	-4.6%
56.8%	10,399	9,931	-468	-4.5%
58.0%	10,396	9,849	-548	-5.3%
59.3%	10,374	9,830	-544	-5.2%
60.5%	10,364	9,753	-612	-5.9%
61.7%	10,358	9,751	-607	-5.9%
63.0%	10,304	9,739	-565	-5.5%
64.2%	10,301	9,707	-594	-5.8%
65.4%	10,205	9,628	-577	-5.7%
66.7%	10,199	9,482	-717	-7.0%
67.9%	10,112	9,394	-718	-7.1%
69.1%	10,096	9,303	-793	-7.9%
70.4%	10,074	9,258	-816	-8.1%
71.6%	10,066	9,234	-832	-8.3%
72.8%	10,066	9,117	-949	-9.4%
74.1%	10,020	9,049	-972	-9.7%
75.3%	9,978	9,010	-968	-9.7%
76.5%	9,960	8,961	-999	-10.0%
77.8%	9,957	8,953	-1,004	-10.1%
79.0%	9,739	8,919	-820	-8.4%
80.2%	9,714	8,843	-871	-9.0%
81.5%	9,704	8,738	-966	-10.0%
82.7%	9,703	8,716	-987	-10.2%
84.0%	9,676	8,568	-1,108	-11.5%
85.2%	9,674	8,471	-1,203	-12.4%
86.4%	9,600	8,396	-1,205	-12.6%
87.7%	9,287	8,292	-995	-10.7%
88.9%	9,249	8,190	-1,059	-11.4%
90.1%	9,229	8,178	-1,051	-11.4%
91.4%	9,148	8,075	-1,073	-11.6%
92.6%	9,035	8,041	-994	-11.0%
93.8%	8,836	7,936	-899	-10.2%
95.1%	8,801	7,898	-903	-10.3%
96.3%	8,691	7,777	-914	-10.5%
97.5%	8,431	7,398	-1,033	-12.3%
98.8%	8,189	7,179	-1,010	-12.3%
100.0%	7,745	7,164	-581	-7.5%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,696	15,697	1	0.0%
1.2%	15,516	14,942	-575	-3.7%
2.5%	15,344	14,908	-436	-2.8%
3.7%	14,771	14,869	98	0.7%
4.9%	14,653	14,734	81	0.6%
6.2%	14,642	14,728	86	0.6%
7.4%	14,614	14,699	84	0.6%
8.6%	14,569	14,647	77	0.5%
9.9%	14,544	14,621	77	0.5%
11.1%	14,522	14,610	88	0.6%
12.3%	14,497	14,574	78	0.5%
13.6%	14,429	14,555	126	0.9%
14.8%	14,423	14,491	68	0.5%
16.0%	14,417	14,449	33	0.2%
17.3%	14,312	14,415	103	0.7%
18.5%	14,248	14,414	166	1.2%
19.8%	14,230	14,388	158	1.1%
21.0%	14,178	14,032	-145	-1.0%
22.2%	14,122	14,024	-98	-0.7%
23.5%	14,067	13,984	-83	-0.6%
24.7%	13,929	13,950	21	0.2%
25.9%	13,916	13,931	15	0.1%
27.2%	13,901	13,875	-26	-0.2%
28.4%	13,868	13,863	-5	0.0%
29.6%	13,805	13,794	-11	-0.2%
30.9%	13,750	13,611	-138	-1.0%
32.1%	13,712	13,452	-260	-1.9%
33.3%	13,618	13,341	-278	-2.0%
34.6%	13,603	13,244	-359	-2.6%
35.8%	13,596	13,005	-592	-4.4%
37.0%	13,442	12,914	-528	-3.9%
38.3%	13,334	12,910	-424	-3.2%
39.5%	13,170	12,897	-273	-2.1%
40.7%	13,150	12,843	-307	-2.3%
42.0%	13,094	12,772	-322	-2.5%
43.2%	13,031	12,658	-373	-2.8%
44.4%	12,921	12,762	-159	-1.2%
45.7%	12,696	12,636	-60	-0.5%
46.9%	12,641	12,514	-127	-1.0%
48.1%	12,625	12,489	-135	-1.2%
49.4%	12,590	12,275	-315	-2.5%
50.6%	12,521	12,416	-105	-0.8%
51.9%	12,333	12,210	-122	-1.0%
53.1%	12,315	12,203	-112	-0.9%
54.3%	12,257	12,181	-76	-0.6%
55.6%	12,106	12,179	72	0.6%
56.8%	12,029	12,133	104	0.9%
58.0%	11,901	12,051	149	1.3%
59.3%	11,832	12,050	219	1.8%
60.5%	11,815	12,041	226	1.9%
61.7%	11,785	12,035	250	2.1%
63.0%	11,768	12,019	251	2.1%
64.2%	11,672	11,968	295	2.5%
65.4%	11,642	11,894	251	2.2%
66.7%	11,507	11,876	369	3.2%
67.9%	11,500	11,857	356	3.1%
69.1%	11,482	11,690	207	1.8%
70.4%	11,452	11,686	235	2.2%
71.6%	11,423	11,659	235	2.1%
72.8%	11,368	11,630	262	2.3%
74.1%	11,351	11,589	238	2.1%
75.3%	11,312	11,583	270	2.4%
76.5%	11,307	11,579	272	2.4%
77.8%	11,264	11,578	313	2.8%
79.0%	11,156	11,547	391	3.5%
80.2%	11,153	11,520	367	3.3%
81.5%	11,151	11,472	322	2.9%
82.7%	11,116	11,433	318	2.9%
84.0%	11,031	11,357	326	3.0%
85.2%	11,022	11,288	267	2.4%
86.4%	10,873	11,122	249	2.3%
87.7%	10,862	11,095	233	2.1%
88.9%	10,742	11,042	300	2.8%
90.1%	10,692	10,949	258	2.4%
91.4%	10,675	10,668	-7	-0.1%
92.6%	10,497	10,730	233	2.2%
93.8%	10,125	10,490	365	3.6%
95.1%	9,961	10,356	395	4.0%
96.3%	9,823	10,122	299	3.0%
97.5%	9,801	10,063	1,162	13.1%
98.8%	9,525	9,595	1,071	12.6%
100.0%	8,276	9,085	809	9.8%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,037	14,036	-1	0.0%
1.2%	13,687	13,687	0	0.0%
2.5%	12,654	12,312	-342	-2.7%
3.7%	12,510	12,147	-363	-2.9%
4.9%	12,144	11,667	-477	-3.9%
6.2%	12,040	11,043	-997	-8.3%
7.4%	11,947	10,769	-1,178	-9.9%
8.6%	11,867	10,752	-1,129	-9.5%
9.9%	11,673	10,685	-988	-8.5%
11.1%	11,652	10,603	-1,049	-9.0%
12.3%	11,611	10,567	-1,044	-9.0%
13.6%	11,429	10,411	-1,018	-8.9%
14.8%	11,260	10,386	-874	-7.8%
16.0%	10,921	10,365	-556	-5.1%
17.3%	10,856	10,304	-553	-5.1%
18.5%	10,821	10,224	-597	-5.5%
19.8%	10,565	10,218	-347	-3.3%
21.0%	10,406	10,127	-279	-2.7%
22.2%	10,383	10,075	-308	-3.0%
23.5%	10,384	10,043	-341	-3.3%
24.7%	10,358	10,028	-330	-3.2%
25.9%	10,306	9,981	-325	-3.2%
27.2%	11,949	9,954	-292	-2.7%
28.4%	10,243	9,944	-299	-2.9%
29.6%	10,221	9,928	-293	-2.9%
30.9%	10,186	9,926	-260	-2.6%
32.1%	10,041	9,925	-116	-1.2%
33.3%	10,022	9,912	-109	-1.1%
34.6%	10,005	9,909	-96	-1.0%
35.8%	9,928	9,900	-28	-0.3%
37.0%	9,923	9,860	-63	-0.6%
38.3%	9,914	9,829	-85	-0.9%
39.5%	9,868	9,822	-46	-0.5%
40.7%	9,848	9,819	-9	-0.1%
42.0%	9,816	9,814	-3	0.0%
43.2%	9,769	9,809	40	0.5%
44.4%	9,691	9,808	116	1.2%
45.7%	9,626	9,803	177	1.8%
46.9%	9,625	9,781	156	1.6%
48.1%	9,601	9,741	140	1.5%
49.4%	9,590	9,726	136	1.4%
50.6%	9,579	9,653	74	0.8%
51.9%	9,514	9,682	168	1.8%
53.1%	9,510	9,678	168	1.8%
54.3%	9,465	9,676	212	2.2%
55.6%	9,398	9,672	274	2.9%
56.8%	9,360	9,665	305	3.3%
58.0%	9,359	9,648	288	3.1%
59.3%	9,355	9,638	283	3.0%
60.5%	9,324	9,617	293	3.1%
61.7%	9,302	9,602	300	3.2%
63.0%	9,266	9,569	304	3.3%
64.2%	9,263	9,557	294	3.2%
65.4%	9,225	9,540	315	3.4%
66.7%	9,209	9,532	322	3.5%
67.9%	9,209	9,403	194	2.1%
69.1%	9,206	9,398	192	2.1%
70.4%	9,130	9,365	235	2.6%
71.6%	9,072	9,345	273	3.0%
72.8%	8,970	9,340	370	4.1%
74.1%	8,911	9,332	421	4.7%
75.3%	8,872	9,321	449	5.1%
76.5%	8,857	9,307	450	5.1%
77.8%	8,767	9,265	498	5.7%
79.0%	8,716	9,185	469	5.4%
80.2%	8,690	9,180	490	5.6%
81.5%	8,681	9,170	489	5.6%
82.7%	8,540	9,113		

Table SW-13-a  
Sacramento River below Hamilton City, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	6,565	9,425	12,694	17,270	20,369	16,577	10,143	8,701	8,599	9,873	7,752	8,044
DCR 2015 With Project	6,557	9,555	12,011	16,203	19,522	14,812	9,652	8,550	8,290	10,249	7,809	8,391
Difference	-8	130	-683	-1,068	-847	-1,766	-492	-151	-309	375	57	347
Percent Difference <sup>2</sup>	-0.1%	1.4%	-5.4%	-6.2%	-4.2%	-10.7%	-4.8%	-1.7%	-3.6%	3.8%	0.7%	4.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7,665	12,273	13,006	31,286	33,968	28,252	15,833	11,885	8,975	9,567	8,324	13,034
DCR 2015 With Project	7,381	12,475	12,097	30,533	33,897	26,415	15,314	11,637	9,208	9,919	7,858	13,013
Difference	-284	202	-909	-754	-71	-1,836	-519	-248	232	352	-466	-21
Percent Difference	-3.7%	1.6%	-7.0%	-2.4%	-0.2%	-6.5%	-3.3%	-2.1%	2.6%	3.7%	-5.6%	-0.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	6,852	12,744	12,568	18,757	26,660	18,247	10,178	8,888	8,721	10,599	7,645	8,482
DCR 2015 With Project	7,154	12,377	11,746	16,588	25,359	15,918	9,243	8,876	8,182	10,950	7,483	8,367
Difference	302	-367	-822	-2,169	-1,301	-2,329	-935	-11	-539	351	-163	-114
Percent Difference	4.4%	-2.9%	-6.5%	-11.6%	-4.9%	-12.8%	-9.2%	-0.1%	-6.2%	3.3%	-2.1%	-1.3%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	6,479	7,709	14,437	10,480	13,675	10,296	7,846	7,196	8,330	9,444	7,432	5,384
DCR 2015 With Project	7,186	8,368	13,961	9,158	12,755	8,258	7,078	6,933	7,350	10,018	7,545	5,899
Difference	707	660	-475	-1,322	-920	-2,038	-768	-263	-980	573	113	515
Percent Difference	10.9%	8.6%	-3.3%	-12.6%	-6.7%	-19.8%	-9.8%	-3.7%	-11.8%	6.1%	1.5%	9.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5,745	7,072	14,590	7,913	10,382	9,934	6,532	6,838	8,599	10,472	7,512	4,942
DCR 2015 With Project	5,604	7,257	14,120	7,266	9,047	8,114	6,275	7,017	7,936	10,777	7,896	5,790
Difference	-141	185	-470	-648	-1,335	-1,820	-257	180	-663	304	384	848
Percent Difference	-2.5%	2.6%	-3.2%	-8.2%	-12.9%	-18.3%	-3.9%	2.6%	-7.7%	2.9%	5.1%	17.2%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,222	5,466	7,269	7,374	7,407	6,907	5,879	6,170	7,973	9,412	7,351	4,549
DCR 2015 With Project	4,870	5,237	6,651	6,396	6,150	6,257	5,860	5,724	8,038	9,739	8,207	5,207
Difference	-353	-230	-618	-979	-1,257	-649	-19	-446	65	326	857	658
Percent Difference	-6.8%	-4.2%	-8.5%	-13.3%	-17.0%	-9.4%	-0.3%	-7.2%	0.8%	3.5%	11.7%	14.5%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





**Figure SW-13-b**  
**Sacramento River below Hamilton City, Monthly Flow**  
**Probability of Exceedance**

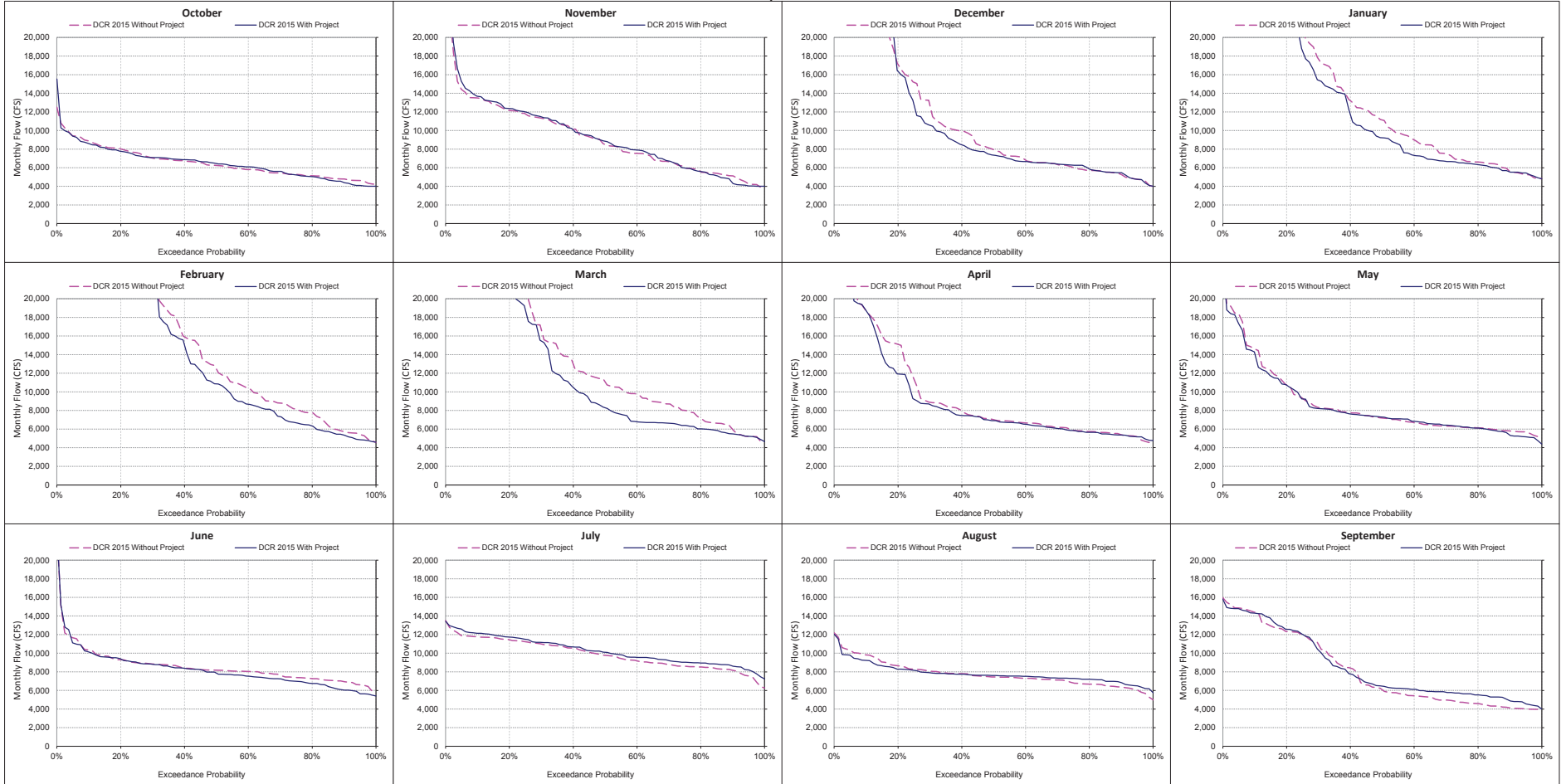




Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	12,507	15,530	3,023	24.2%	
1.2%	10,188	10,280	-538	-5.0%	
2.5%	10,280	9,995	-285	-2.9%	
3.7%	9,857	9,796	-61	-0.6%	
4.9%	9,412	9,392	-20	-0.2%	
6.2%	9,401	9,259	-141	-1.5%	
7.4%	9,283	8,837	-447	-4.8%	
8.6%	8,882	8,755	-126	-1.5%	
9.9%	8,886	8,597	-289	-3.3%	
11.1%	8,692	8,452	-241	-2.8%	
12.3%	8,553	8,423	-130	-1.5%	
13.6%	8,350	8,205	-145	-1.7%	
14.8%	8,309	8,166	-143	-1.7%	
16.0%	8,148	7,970	-178	-2.2%	
17.3%	8,125	7,931	-194	-2.4%	
18.5%	8,117	7,931	-186	-2.3%	
19.8%	8,049	7,771	-278	-3.5%	
21.0%	7,923	7,718	-205	-2.6%	
22.2%	7,799	7,632	-168	-2.2%	
23.5%	7,689	7,529	-160	-2.1%	
24.7%	7,634	7,318	-316	-4.1%	
25.9%	7,535	7,261	-275	-3.6%	
27.2%	7,305	7,100	-205	-2.8%	
28.4%	7,189	7,122	-66	-0.9%	
29.6%	7,054	6,913	-141	-2.0%	
30.9%	6,980	7,088	108	1.5%	
32.1%	6,943	7,081	138	2.0%	
33.3%	6,929	7,077	148	2.1%	
34.6%	6,887	7,044	157	2.3%	
35.8%	6,840	6,942	102	1.5%	
37.0%	6,788	6,913	124	1.8%	
38.3%	6,775	6,902	127	1.9%	
39.5%	6,756	6,872	115	1.7%	
40.7%	6,697	6,852	155	2.3%	
42.0%	6,661	6,840	179	2.7%	
43.2%	6,618	6,828	210	3.2%	
44.4%	6,555	6,693	138	2.1%	
45.7%	6,523	6,643	121	1.8%	
46.9%	6,320	6,626	306	4.8%	
48.1%	6,260	6,557	297	4.7%	
49.4%	6,257	6,500	243	3.9%	
50.6%	6,232	6,401	168	2.7%	
51.9%	6,193	6,396	203	3.3%	
53.1%	6,078	6,361	282	4.6%	
54.3%	6,055	6,246	191	3.2%	
55.6%	5,927	6,210	283	4.8%	
56.8%	5,920	6,161	241	4.1%	
58.0%	5,879	6,152	273	4.6%	
59.3%	5,810	6,104	294	5.1%	
60.5%	5,800	6,093	293	5.1%	
61.7%	5,779	6,074	294	5.1%	
63.0%	5,775	5,967	192	3.3%	
64.2%	5,702	5,910	208	3.7%	
65.4%	5,566	5,844	278	5.0%	
66.7%	5,467	5,678	211	3.9%	
67.9%	5,450	5,608	158	2.9%	
69.1%	5,449	5,604	155	2.9%	
70.4%	5,414	5,600	186	3.4%	
71.6%	5,370	5,538	168	3.1%	
72.8%	5,287	5,297	10	0.2%	
74.1%	5,279	5,277	-1	-0.0%	
75.3%	5,270	5,208	-62	-1.2%	
76.5%	5,236	5,132	-104	-2.0%	
77.8%	5,139	5,101	-38	-0.7%	
79.0%	5,139	5,060	-79	-1.5%	
80.2%	5,127	5,037	-90	-1.7%	
81.5%	5,112	4,987	-126	-2.5%	
82.7%	5,112	4,857	-255	-5.0%	
84.0%	4,964	4,821	-143	-2.9%	
85.2%	4,916	4,668	-248	-5.0%	
86.4%	4,836	4,601	-235	-4.9%	
87.7%	4,816	4,566	-249	-5.2%	
88.9%	4,797	4,552	-245	-5.1%	
90.1%	4,787	4,384	-403	-8.4%	
91.4%	4,693	4,312	-382	-8.1%	
92.6%	4,648	4,182	-466	-10.0%	
93.8%	4,633	4,095	-539	-11.6%	
95.1%	4,624	4,089	-535	-11.6%	
96.3%	4,551	4,026	-525	-11.5%	
97.5%	4,330	4,019	-311	-7.2%	
98.8%	4,253	4,041	-212	-5.0%	
100.0%	4,210	4,004	-206	-4.9%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	38,284	37,040	-1,244	-3.3%	
1.2%	22,771	24,806	2,135	9.4%	
2.5%	19,350	19,451	101	0.5%	
3.7%	15,287	16,661	1,374	9.0%	
4.9%	14,431	15,280	849	5.9%	
6.2%	14,096	14,553	457	3.2%	
7.4%	13,541	14,295	754	5.6%	
8.6%	13,525	13,850	425	3.1%	
9.9%	13,507	13,684	177	1.3%	
11.1%	13,450	13,623	173	1.3%	
12.3%	13,224	13,261	37	0.3%	
13.6%	13,134	13,190	56	0.4%	
14.8%	12,784	13,120	336	2.6%	
16.0%	12,757	13,060	303	2.4%	
17.3%	12,533	12,844	311	2.5%	
18.5%	12,298	12,401	102	0.8%	
19.8%	12,159	12,382	223	1.8%	
21.0%	12,132	12,357	224	1.8%	
22.2%	12,105	12,185	80	0.7%	
23.5%	11,857	12,089	232	2.0%	
24.7%	11,852	12,031	179	1.5%	
25.9%	11,581	11,924	343	3.0%	
27.2%	11,489	11,700	211	1.8%	
28.4%	11,428	11,604	176	1.5%	
29.6%	11,357	11,352	-5	-0.0%	
30.9%	11,265	11,368	103	0.9%	
32.1%	11,209	11,342	133	1.2%	
33.3%	10,930	11,092	162	1.5%	
34.6%	10,719	11,066	346	3.2%	
35.8%	10,669	10,721	52	0.5%	
37.0%	10,581	10,710	129	1.2%	
38.3%	10,521	10,321	-200	-1.9%	
39.5%	10,164	10,243	79	0.8%	
40.7%	10,139	9,807	-333	-3.3%	
42.0%	9,525	9,751	226	2.4%	
43.2%	8,508	9,250	742	8.7%	
44.4%	8,989	9,513	524	5.8%	
45.7%	9,245	9,436	192	2.1%	
46.9%	9,086	9,188	102	1.1%	
48.1%	9,084	9,021	-62	-0.7%	
49.4%	8,593	8,888	294	3.4%	
50.6%	8,508	8,809	428	5.1%	
51.9%	8,331	8,608	277	3.3%	
53.1%	8,307	8,323	16	0.2%	
54.3%	8,211	8,273	62	0.8%	
55.6%	7,739	8,215	477	6.2%	
56.8%	7,685	8,154	468	6.1%	
58.0%	7,575	7,938	363	4.8%	
59.3%	7,555	7,914	359	4.8%	
60.5%	7,537	7,903	366	4.9%	
61.7%	7,517	7,826	309	4.1%	
63.0%	7,441	7,658	217	2.9%	
64.2%	7,265	7,445	181	2.5%	
65.4%	6,808	7,424	616	9.0%	
66.7%	6,797	7,039	242	3.6%	
67.9%	6,697	6,971	274	4.1%	
69.1%	6,692	6,791	99	1.5%	
70.4%	6,629	6,696	67	1.0%	
71.6%	6,511	6,509	-2	-0.0%	
72.8%	6,275	6,404	129	2.1%	
74.1%	6,192	6,013	-179	-2.9%	
75.3%	5,942	5,944	2	0.0%	
76.5%	5,932	5,917	-15	-0.2%	
77.8%	5,883	5,752	-131	-2.2%	
79.0%	5,842	5,646	-196	-3.4%	
80.2%	5,511	5,571	60	1.1%	
81.5%	5,492	5,525	34	0.6%	
82.7%	5,433	5,264	-169	-3.1%	
84.0%	5,432	5,224	-209	-3.8%	
85.2%	5,394	5,131	-262	-4.9%	
86.4%	5,300	4,910	-391	-7.4%	
87.7%	5,233	4,891	-342	-6.5%	
88.9%	5,147	4,814	-333	-6.5%	
90.1%	5,122	4,290	-831	-16.2%	
91.4%	4,992	4,186	-706	-14.4%	
92.6%	4,693	4,163	-530	-11.3%	
93.8%	4,511	4,114	-398	-8.8%	
95.1%	4,240	4,033	-207	-4.9%	
96.3%	4,210	4,032	-178	-4.2%	
97.5%	4,191	4,019	-172	-4.1%	
98.8%	4,041	4,019	-22	-0.5%	
100.0%	3,851	4,014	163	4.2%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	48,725	47,735	-991	-2.0%	
1.2%	48,649	46,940	-1,709	-3.5%	
2.5%	39,834	39,208	-627	-1.6%	
3.7%	38,855	38,833	-21	-0.1%	
4.9%	38,664	35,102	-3,562	-9.2%	
6.2%	35,064	31,419	-3,644	-10.4%	
7.4%	34,010	31,360	-2,650	-7.8%	
8.6%	33,151	30,445	-2,706	-8.2%	
9.9%	27,063	24,671	-2,392	-8.8%	
11.1%	26,327	24,136	-2,191	-8.3%	
12.3%	24,855	23,496	-1,359	-5.5%	
13.6%	24,846	23,080	-1,767	-7.1%	
14.8%	23,922	22,764	-1,159	-4.8%	
16.0%	21,161	21,706	545	2.6%	
17.3%	20,042	21,055	1,013	5.1%	
18.5%	18,809	20,703	1,894	10.1%	
19.8%	17,253	16,463	-791	-4.6%	
21.0%	16,548	15,996	-552	-3.3%	
22.2%	16,007	15,684	-323	-2.0%	
23.5%	15,802	14,014	-1,787	-11.3%	
24.7%	15,225	13,268	-1,957	-12.9%	
25.9%	15,047	11,591	-3,455	-23.0%	
27.2%	13,352	11,494	-1,858	-13.9%	
28.4%	13,272	10,803	-2,469	-18.6%	
29.6%	13,257	10,500	-2,757	-20.8%	
30.9%	11,492	10,456	-1,036	-9.0%	
32.1%	11,040	9,950	-1,090	-9.9%	
33.3%	10,802	9,861	-942	-8.7%	
34.6%	10,459	9,684	-775	-7.4%	
35.8%	10,265	9,176	-1,089	-10.6%	
37.0%	10,126	8,984	-1,142	-11.3%	
38.3%	10,041	8,744	-1,297	-12.9%	
39.5%	9,949	8,524	-1,425	-14.3%	
40.7%	9,909	8,372	-1,537	-15.5%	
42.0%	9,713	8,131	-1,583	-16.3%	
43.2%	9,439	7,631	-1,808	-19.2%	
44.4%	8,582	7,825	-758	-8.8%	
45.7%	8,410	7,754	-655	-7.8%	
46.9%	8,329	7,744	-585	-7.0%	
48.1%	8,154	7,500	-654	-8.0%	
49.4%	8,029	7,368	-661	-8.2%	
50.6%	7,825	7,332	-493	-6.3%	
51.9%	7,721	7,244	-477	-6.2%	
53.1%	7,359	7,192	-167	-2.3%	
54.3%	7,315	6,993	-323	-4.4%	
55.6%	7,249	6,911	-338	-4.7%	
56.8%	7,239	6,743	-496	-6.9%	
58.0%	7,183	6,706	-477	-6.6%	
59.3%	6,990	6,663	-327	-4.7%	
60.5%	6,708	6,657	-51	-0.8%	
61.7%	6,636	6,586	-49	-0.7%	
63.0%	6,571	6,551	-20	-0.3%	
64.2%	6,555	6,530	-24	-0.4%	

Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,563	96,518	14,955	18.3%
1.2%	74,339	81,568	7,218	9.7%
2.5%	72,394	74,438	2,045	2.8%
3.7%	60,941	60,876	-65	-0.1%
4.9%	52,485	52,140	-345	-0.7%
6.2%	51,009	49,926	-1,083	-2.1%
7.4%	49,773	49,334	-439	-0.9%
8.6%	49,112	47,911	-1,201	-2.4%
9.9%	47,910	47,146	-764	-1.6%
11.1%	47,444	46,950	-494	-1.0%
12.3%	45,789	46,584	795	1.7%
13.6%	45,224	43,117	-2,107	-4.7%
14.8%	41,880	39,320	-2,559	-6.1%
16.0%	36,684	35,824	-861	-2.3%
17.3%	35,823	34,121	-1,701	-4.7%
18.5%	34,802	32,254	-2,548	-7.3%
19.8%	33,377	30,816	-2,561	-7.7%
21.0%	31,817	30,317	-1,500	-4.7%
22.2%	30,317	29,271	-1,046	-3.5%
23.5%	27,312	27,713	401	1.5%
24.7%	27,281	25,308	-1,973	-7.2%
25.9%	27,195	24,745	-2,450	-9.0%
27.2%	24,961	24,716	-245	-1.0%
28.4%	23,087	24,450	1,363	5.9%
29.6%	22,975	23,083	1,08	0.5%
30.9%	21,548	22,975	1,427	6.6%
32.1%	19,803	18,066	-1,736	-8.8%
33.3%	19,274	17,544	-1,730	-9.0%
34.6%	18,770	17,189	-1,581	-8.4%
35.8%	18,282	16,175	-2,107	-11.5%
37.0%	18,144	16,020	-2,124	-11.7%
38.3%	17,156	15,717	-1,439	-8.4%
39.5%	16,018	15,578	-440	-2.7%
40.7%	15,763	14,166	-1,597	-10.1%
42.0%	15,577	13,008	-2,570	-16.5%
43.2%	14,563	12,523	-2,040	-14.0%
44.4%	15,037	12,479	-2,559	-17.0%
45.7%	13,381	12,045	-1,336	-10.0%
46.9%	13,225	11,266	-1,959	-14.8%
48.1%	12,949	11,154	-1,795	-13.9%
49.4%	12,840	10,858	-1,982	-15.4%
50.6%	12,043	10,829	-1,214	-10.1%
51.9%	11,800	10,656	-1,144	-9.7%
53.1%	11,749	10,274	-1,475	-12.6%
54.3%	11,100	9,836	-1,264	-11.4%
55.6%	10,983	9,233	-1,750	-15.9%
56.8%	10,884	8,996	-1,888	-17.3%
58.0%	10,692	8,993	-1,732	-16.2%
59.3%	10,470	8,708	-1,762	-16.8%
60.5%	10,348	8,638	-1,711	-16.5%
61.7%	9,913	8,535	-1,379	-13.9%
63.0%	9,836	8,405	-1,431	-14.6%
64.2%	9,476	8,244	-1,232	-13.0%
65.4%	9,037	8,134	-904	-10.0%
66.7%	9,006	8,128	-878	-9.7%
67.9%	8,981	7,923	-1,058	-11.8%
69.1%	8,813	7,395	-1,418	-16.1%
70.4%	8,778	7,317	-1,461	-16.6%
71.6%	8,743	6,954	-1,788	-20.5%
72.8%	8,452	6,793	-1,659	-19.6%
74.1%	8,195	6,748	-1,447	-17.7%
75.3%	8,134	6,656	-1,478	-18.2%
76.5%	7,928	6,544	-1,384	-17.5%
77.8%	7,791	6,486	-1,306	-16.8%
79.0%	7,750	6,456	-1,294	-16.7%
80.2%	7,747	6,293	-1,454	-18.8%
81.5%	7,358	5,956	-1,401	-19.0%
82.7%	7,194	5,891	-1,303	-18.1%
84.0%	6,772	5,764	-1,009	-14.9%
85.2%	6,330	5,227	-1,103	-17.4%
86.4%	5,999	5,585	-414	-6.9%
87.7%	5,970	5,465	-505	-8.5%
88.9%	5,819	5,458	-361	-6.2%
90.1%	5,710	5,326	-384	-6.7%
91.4%	5,616	5,173	-443	-7.9%
92.6%	5,582	5,087	-495	-8.9%
93.8%	5,561	4,897	-664	-11.9%
95.1%	5,411	4,860	-552	-10.2%
96.3%	5,295	4,833	-462	-8.7%
97.5%	4,897	4,779	-118	-2.4%
98.8%	4,776	4,655	-121	-2.5%
100.0%	4,556	4,596	40	0.9%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,960	82,716	4,446	5.8%
1.2%	76,613	77,406	8,997	11.7%
2.5%	59,667	57,377	-1,690	-2.9%
3.7%	53,959	52,095	-1,864	-3.5%
4.9%	52,094	43,074	-9,019	-17.3%
6.2%	43,191	34,633	-8,558	-19.8%
7.4%	37,415	33,497	-3,918	-10.5%
8.6%	36,268	33,141	-3,128	-8.6%
9.9%	33,139	32,348	-791	-2.4%
11.1%	30,982	29,885	-1,097	-3.5%
12.3%	29,607	27,048	-2,559	-8.6%
13.6%	26,662	26,621	-41	-0.2%
14.8%	24,221	24,086	-135	-0.6%
16.0%	22,705	22,566	-139	-0.6%
17.3%	22,566	22,412	-154	-0.7%
18.5%	22,504	22,395	-109	-0.5%
19.8%	22,395	21,247	-1,148	-5.1%
21.0%	22,172	20,605	-1,568	-7.1%
22.2%	21,247	19,933	-1,314	-6.2%
23.5%	21,182	19,838	-1,543	-7.3%
24.7%	20,618	19,261	-1,357	-6.6%
25.9%	19,948	17,588	-2,360	-11.8%
27.2%	18,526	17,259	-1,267	-6.8%
28.4%	17,212	17,201	-12	-0.1%
29.6%	17,199	16,562	-637	-3.7%
30.9%	15,605	15,279	-327	-2.1%
32.1%	15,372	14,618	-754	-4.9%
33.3%	15,331	12,272	-3,059	-19.9%
34.6%	15,182	11,948	-3,234	-21.3%
35.8%	14,157	11,794	-2,363	-16.7%
37.0%	13,842	11,275	-2,567	-18.5%
38.3%	13,816	11,136	-2,681	-19.4%
39.5%	13,444	10,652	-2,792	-20.8%
40.7%	12,307	10,249	-2,059	-16.7%
42.0%	12,216	9,914	-2,301	-18.8%
43.2%	12,570	9,815	-2,755	-22.0%
44.4%	11,789	9,521	-2,268	-19.2%
45.7%	11,685	8,866	-2,819	-24.1%
46.9%	11,561	8,811	-2,750	-23.8%
48.1%	11,434	8,625	-2,809	-24.6%
49.4%	11,409	8,375	-3,034	-26.6%
50.6%	10,741	8,224	-2,517	-23.4%
51.9%	10,606	7,967	-2,639	-24.9%
53.1%	10,518	7,769	-2,749	-26.1%
54.3%	10,493	7,653	-2,839	-27.1%
55.6%	10,187	7,531	-2,656	-26.1%
56.8%	9,913	7,443	-2,470	-24.9%
58.0%	9,817	6,853	-2,965	-30.2%
59.3%	9,811	6,808	-3,002	-30.6%
60.5%	9,711	6,749	-2,962	-30.5%
61.7%	9,330	6,742	-2,588	-27.7%
63.0%	9,298	6,719	-2,579	-27.7%
64.2%	9,016	6,698	-2,320	-25.7%
65.4%	8,941	6,695	-2,246	-25.1%
66.7%	8,901	6,689	-2,212	-24.8%
67.9%	8,848	6,672	-2,176	-24.6%
69.1%	8,708	6,636	-2,072	-23.8%
70.4%	8,700	6,613	-2,087	-24.0%
71.6%	8,389	6,605	-1,785	-21.3%
72.8%	8,354	6,498	-1,855	-22.2%
74.1%	8,030	6,401	-1,629	-20.3%
75.3%	7,999	6,395	-1,604	-20.1%
76.5%	7,822	6,307	-1,514	-19.4%
77.8%	7,768	6,269	-1,499	-19.3%
79.0%	7,353	6,030	-1,323	-18.0%
80.2%	7,106	6,016	-1,090	-15.3%
81.5%	6,804	5,981	-823	-12.1%
82.7%	6,721	5,959	-762	-11.3%
84.0%	6,670	5,915	-755	-11.3%
85.2%	6,624	5,863	-761	-11.5%
86.4%	5,999	5,687	-312	-5.2%
87.7%	6,497	5,615	-882	-13.6%
88.9%	6,401	5,513	-888	-13.9%
90.1%	5,896	5,492	-404	-6.8%
91.4%	5,913	5,423	-490	-8.3%
92.6%	5,379	5,364	-15	-0.3%
93.8%	5,240	5,256	16	0.3%
95.1%	5,209	5,222	13	0.3%
96.3%	5,207	5,195	-12	-0.2%
97.5%	5,183	5,117	-66	-1.3%
98.8%	4,874	4,884	10	0.2%
100.0%	4,648	4,658	9	0.2%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,245	42,477	-1,768	-4.0%
1.2%	36,686	36,687	1	0.0%
2.5%	27,318	27,322	4	0.0%
3.7%	25,199	25,321	122	0.5%
4.9%	25,024	24,856	-168	-0.7%
6.2%	23,862	19,783	-4,079	-17.1%
7.4%	19,546	19,524	-22	-0.1%
8.6%	19,356	19,144	-212	-1.1%
9.9%	18,760	18,763	3	0.0%
11.1%	18,253	18,179	-74	-0.4%
12.3%	17,803	17,053	-750	-4.2%
13.6%	17,084	15,761	-1,323	-7.7%
14.8%	16,144	14,179	-1,965	-12.2%
16.0%	15,480	13,131	-2,348	-15.2%
17.3%	15,311	12,665	-2,647	-17.3%
18.5%	15,267	12,513	-2,755	-18.0%
19.8%	15,139	11,914	-3,224	-21.3%
21.0%	14,991	11,891	-3,100	-20.7%
22.2%	13,130	11,871	-1,259	-9.6%
23.5%	12,665	10,710	-1,954	-15.4%
24.7%	11,634	9,280	-2,355	-20.2%
25.9%	10,619	9,051	-1,568	-14.8%
27.2%	9,280	8,433	-847	-9.1%
28.4%	9,086	8,725	-360	-4.0%
29.6%	8,917	8,717	-200	-2.2%
30.9%	8,837	8,515	-322	-3.6%
32.1%	8,822	8,419	-402	-4.6%
33.3%	8,767	8,257	-510	-5.8%
34.6%	8,579	8,109	-470	-5.5%
35.8%	8,365	8,075	-290	-3.5%
37.0%	8,340	7,754	-586	-7.0%
38.3%	8,289	7,522	-767	-9.3%
39.5%	8,078	7,481	-597	-7.4%
40.7%	7,760	7,448	-312	-4.0%
42.0%	7,553	7,444	-109	-1.4%
43.2%	7,456	7,424	-32	-0.4%
44.4%	7,431	7,334	-97	-1.3%
45.7%	7,331	7,304	-27	-0.4%
46.9%	7,148	7,027	-121	-1.7%
48.1%	7,123	6,980	-144	-2.0%
49.4%	7,056	6,906	-149	-2.1%
50.6%	6,951	6,901	-50	-0.7%
51.9%	6,899	6,765	-134	-1.9%
53.1%	6,892	6,727	-165	-2.4%
54.3%	6,877	6,715	-162	-2.4%
55.6%	6,845	6,710	-135	-2.0%
56.8%	6,788	6,685	-102	-1.5%
58.0%	6,717	6,648	-69	-1.0%
59.3%	6,682	6,546	-136	-2.0%
60.5%	6,650	6,494	-155	-2.3%
61.7%	6,642	6,421	-221	-3.3%
63.0%	6,629	6,350	-278	-4.2%
64.2%	6,571	6,332	-239	-3.6%
65.4%	6,442	6,308	-134	-2.1%
66.7%	6,311	6,192	-119	-1.9%
67.9%	6,306	6,176	-130	-2.1%
69.1%	6,197	6,096	-101	-1.6%
70.4%	6,183	6,051	-132	-2.1%
71.6%	6,168	6,028	-140	-2.2%
72.8%	6,133	5,903	-230	-3.8%
74.1%	5,967	5,864	-103	-1.7%
75.3%	5,836	5,851	15	0.3%
76.5%	5,826	5,743	-83	-1.4%
77.8%	5,797</			

Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,296	23,296	1	0.0%
1.2%	15,171	15,171	-3	0.0%
2.5%	12,188	12,198	611	5.0%
3.7%	11,874	12,547	672	5.7%
4.9%	11,665	11,108	-557	-4.8%
6.2%	11,558	10,957	-602	-5.2%
7.4%	10,922	10,910	-12	-0.1%
8.6%	10,412	10,270	-142	-1.4%
9.9%	10,337	10,137	-201	-1.9%
11.1%	10,258	10,010	-248	-2.4%
12.3%	9,830	9,796	-34	-0.3%
13.6%	9,820	9,633	-187	-1.9%
14.8%	9,693	9,609	-84	-0.9%
16.0%	9,683	9,567	-116	-1.2%
17.3%	9,465	9,518	53	0.6%
18.5%	9,309	9,512	204	2.2%
19.8%	9,301	9,438	136	1.5%
21.0%	9,283	9,204	-79	-0.9%
22.2%	9,128	9,178	50	0.5%
23.5%	9,036	9,079	43	0.5%
24.7%	8,980	9,050	70	0.8%
25.9%	8,954	8,925	-29	-0.3%
27.2%	8,942	8,856	-86	-1.0%
28.4%	8,900	8,848	-52	-0.6%
29.6%	8,839	8,843	4	0.0%
30.9%	8,821	8,774	-47	-0.5%
32.1%	8,778	8,766	-12	-0.1%
33.3%	8,774	8,636	-138	-1.6%
34.6%	8,744	8,636	-108	-1.2%
35.8%	8,705	8,527	-178	-2.0%
37.0%	8,684	8,439	-245	-2.8%
38.3%	8,552	8,418	-134	-1.6%
39.5%	8,411	8,392	-20	-0.2%
40.7%	8,379	8,333	-46	-0.5%
42.0%	8,371	8,290	-81	-1.0%
43.2%	8,236	8,262	26	0.3%
44.4%	8,234	8,234	0	0.4%
45.7%	8,228	8,177	-51	-0.6%
46.9%	8,195	7,986	-209	-2.5%
48.1%	8,191	7,978	-213	-2.6%
49.4%	8,187	7,975	-212	-2.6%
50.6%	8,166	7,829	-337	-4.1%
51.9%	8,156	7,731	-425	-5.2%
53.1%	8,130	7,728	-402	-4.9%
54.3%	8,092	7,718	-373	-4.6%
55.6%	8,069	7,667	-402	-5.0%
56.8%	8,066	7,647	-419	-5.2%
58.0%	8,063	7,629	-434	-5.4%
59.3%	8,037	7,547	-491	-6.1%
60.5%	8,030	7,512	-518	-6.4%
61.7%	8,025	7,471	-554	-6.9%
63.0%	8,004	7,420	-585	-7.3%
64.2%	7,962	7,391	-471	-6.0%
65.4%	7,842	7,352	-490	-6.2%
66.7%	7,839	7,298	-541	-6.9%
67.9%	7,755	7,269	-486	-6.3%
69.1%	7,752	7,246	-506	-6.5%
70.4%	7,578	7,222	-357	-4.7%
71.6%	7,448	7,083	-364	-4.9%
72.8%	7,440	7,039	-401	-5.4%
74.1%	7,416	7,006	-411	-5.5%
75.3%	7,383	6,981	-402	-5.4%
76.5%	7,371	6,937	-435	-5.9%
77.8%	7,334	6,863	-471	-6.4%
79.0%	7,301	6,765	-536	-7.3%
80.2%	7,265	6,740	-525	-7.2%
81.5%	7,259	6,737	-522	-7.2%
82.7%	7,177	6,627	-549	-7.7%
84.0%	7,119	6,561	-558	-7.8%
85.2%	7,087	6,409	-677	-9.6%
86.4%	7,065	6,284	-781	-11.1%
87.7%	7,022	6,166	-855	-12.2%
88.9%	7,018	6,102	-916	-13.1%
90.1%	6,939	6,022	-917	-13.2%
91.4%	6,876	6,021	-855	-12.4%
92.6%	6,847	5,978	-869	-12.7%
93.8%	6,634	5,933	-702	-10.6%
95.1%	6,598	5,644	-954	-14.5%
96.3%	6,541	5,628	-917	-14.0%
97.5%	6,422	5,608	-814	-12.7%
98.8%	5,932	5,502	-430	-7.2%
100.0%	5,770	5,402	-368	-6.4%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,512	13,436	-76	-0.6%
1.2%	12,774	12,972	198	1.5%
2.5%	10,597	12,822	370	3.0%
3.7%	12,210	12,685	475	3.9%
4.9%	11,891	12,601	710	6.0%
6.2%	11,857	12,317	460	3.9%
7.4%	11,841	12,212	371	3.1%
8.6%	11,796	12,195	399	3.4%
9.9%	11,771	12,132	361	3.0%
11.1%	11,728	12,126	398	3.4%
12.3%	11,719	12,072	353	3.0%
13.6%	11,710	12,040	331	2.8%
14.8%	11,683	11,981	297	2.5%
16.0%	11,636	11,894	258	2.2%
17.3%	11,537	11,868	330	2.9%
18.5%	11,489	11,771	283	2.5%
19.8%	11,469	11,749	279	2.4%
21.0%	11,356	11,720	364	3.2%
22.2%	11,338	11,662	324	2.9%
23.5%	11,322	11,262	-268	-2.5%
24.7%	11,249	11,498	249	2.2%
25.9%	11,186	11,441	255	2.3%
27.2%	11,088	11,213	125	1.1%
28.4%	11,076	11,183	107	1.0%
29.6%	11,022	11,022	0	0.0%
30.9%	10,922	11,150	228	2.1%
32.1%	10,920	11,134	213	2.0%
33.3%	10,829	11,089	260	2.4%
34.6%	10,806	11,052	246	2.3%
35.8%	10,777	10,902	125	1.2%
37.0%	10,696	10,884	188	1.8%
38.3%	10,573	10,709	136	1.3%
39.5%	10,555	10,687	131	1.2%
40.7%	10,542	10,661	119	1.1%
42.0%	10,364	10,653	289	2.8%
43.2%	10,268	10,567	299	2.9%
44.4%	10,145	10,282	138	1.4%
45.7%	10,032	10,267	235	2.3%
46.9%	9,973	10,232	259	2.6%
48.1%	9,888	10,214	326	3.3%
49.4%	9,802	10,102	300	3.1%
50.6%	9,756	10,033	303	3.3%
51.9%	9,715	9,977	262	2.7%
53.1%	9,700	9,926	226	2.3%
54.3%	9,478	9,845	367	3.9%
55.6%	9,382	9,809	426	4.5%
56.8%	9,291	9,598	297	3.2%
58.0%	9,265	9,568	303	3.3%
59.3%	9,241	9,564	322	3.5%
60.5%	9,137	9,545	408	4.5%
61.7%	9,059	9,538	480	5.3%
63.0%	9,059	9,536	477	5.3%
64.2%	8,986	9,477	491	5.5%
65.4%	8,956	9,447	491	5.5%
66.7%	8,936	9,352	415	4.6%
67.9%	8,923	9,328	404	4.5%
69.1%	8,822	9,299	477	5.4%
70.4%	8,776	9,176	403	4.6%
71.6%	8,896	9,123	427	4.9%
72.8%	8,618	9,084	466	5.4%
74.1%	8,617	9,040	423	4.9%
75.3%	8,590	9,020	430	5.0%
76.5%	8,556	8,991	436	5.1%
77.8%	8,550	8,972	422	4.9%
79.0%	8,515	8,970	455	5.3%
80.2%	8,514	8,931	417	4.9%
81.5%	8,479	8,930	450	5.3%
82.7%	8,472	8,860	388	4.6%
84.0%	8,419	8,850	431	5.1%
85.2%	8,321	8,838	517	6.2%
86.4%	8,292	8,780	487	5.9%
87.7%	8,275	8,767	493	6.0%
88.9%	8,259	8,750	491	5.9%
90.1%	8,145	8,604	459	5.6%
91.4%	8,055	8,541	476	5.9%
92.6%	7,817	8,524	707	9.0%
93.8%	7,619	8,222	604	7.9%
95.1%	7,552	8,212	660	8.7%
96.3%	7,406	8,020	614	8.3%
97.5%	6,868	7,768	899	13.1%
98.8%	6,429	7,449	1,019	16.4%
100.0%	6,265	7,237	972	15.5%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,188	12,023	-165	-1.4%
1.2%	11,725	11,537	-188	-1.6%
2.5%	10,570	10,507	-63	-0.6%
3.7%	10,455	9,835	-620	-5.9%
4.9%	10,330	9,804	-526	-5.1%
6.2%	10,048	9,458	-590	-5.9%
7.4%	10,012	9,403	-609	-6.1%
8.6%	9,938	9,248	-689	-6.9%
9.9%	9,821	9,238	-584	-5.9%
11.1%	9,782	9,189	-593	-6.1%
12.3%	9,599	8,902	-697	-7.3%
13.6%	9,452	8,710	-742	-7.8%
14.8%	9,056	8,658	-397	-4.4%
16.0%	9,016	8,564	-451	-5.0%
17.3%	8,793	8,546	-246	-2.8%
18.5%	8,716	8,461	-256	-2.9%
19.8%	8,661	8,284	-377	-4.4%
21.0%	8,609	8,279	-330	-3.8%
22.2%	8,502	8,240	-262	-3.1%
23.5%	8,309	8,232	-77	-0.9%
24.7%	8,291	8,171	-120	-1.4%
25.9%	8,273	8,109	-164	-2.0%
27.2%	8,232	8,123	-268	-3.3%
28.4%	8,166	7,943	-223	-2.7%
29.6%	8,173	7,922	-251	-3.1%
30.9%	8,041	7,866	-175	-2.2%
32.1%	8,030	7,834	-196	-2.4%
33.3%	7,932	7,831	-101	-1.3%
34.6%	7,897	7,826	-70	-0.9%
35.8%	7,837	7,767	-69	-0.9%
37.0%	7,823	7,764	-58	-0.7%
38.3%	7,820	7,756	-64	-0.8%
39.5%	7,801	7,741	-60	-0.8%
40.7%	7,794	7,738	-56	-0.7%
42.0%	7,778	7,695	-83	-1.1%
43.2%	7,657	7,659	2	0.0%
44.4%	7,576	7,634	58	0.8%
45.7%	7,547	7,631	84	1.1%
46.9%	7,508	7,628	120	1.6%
48.1%	7,488	7,628	140	1.9%
49.4%	7,447	7,602	154	2.1%
50.6%	7,441	7,588	148	2.0%
51.9%	7,423	7,579	156	2.1%
53.1%	7,421	7,574	154	2.1%
54.3%	7,421	7,558	137	1.8%
55.6%	7,402	7,538	136	1.8%
56.8%	7,384	7,537	153	2.1%
58.0%	7,333	7,535	202	2.8%
59.3%	7,304	7,521	216	3.0%
60.5%	7,299	7,520	221	3.0%
61.7%	7,299	7,479	181	2.5%
63.0%	7,261	7,468	207	2.8%
64.2%	7,194	7,460	266	3.7%
65.4%	7,191	7,428	237	3.3%
66.7%	7,186	7,381	195	2.7%
67.9%	7,169	7,357	188	2.6%
69.1%	7,118	7,339	221	3.1%
70.4%	7,115	7,311	197	2.8%
71.6%	7,103	7,310	207	2.9%
72.8%	7,021	7,303	282	4.0%
74.1%	6,876	7,295	419	6.1%
75.3%	6,768	7,295	527	7.8%
76.5%	6,763	7,268	505	7.5%
77.8%	6,707	7,207	500	7.5%
79.0%	6,682	7,193	511	7.6%
80.2%	6,673	7,193	520	7.8%
81.5%	6,668	7,187	519	7.8%
82.7%	6,661	7,153	492	7.4%
84.0%	6,623	7,142	518	7.8%
85.2%	6,483	6,980	497	7.5%
86.4%	6,457	6,979	521	8.1%
87.7%	6,439	6,971	533	8.3%
88.9%	6,379	6,935</		

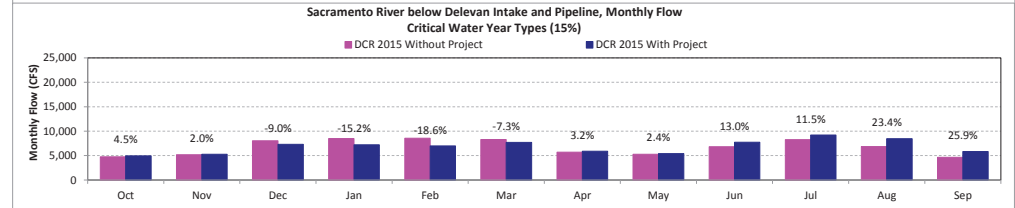
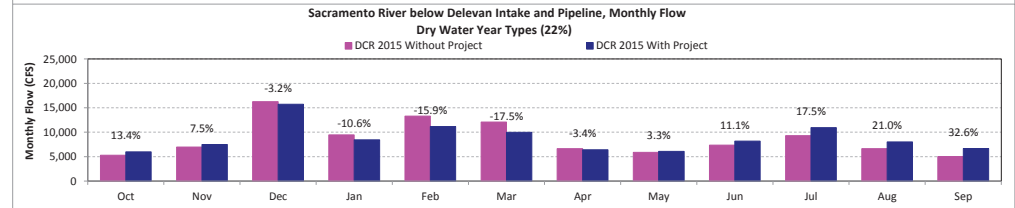
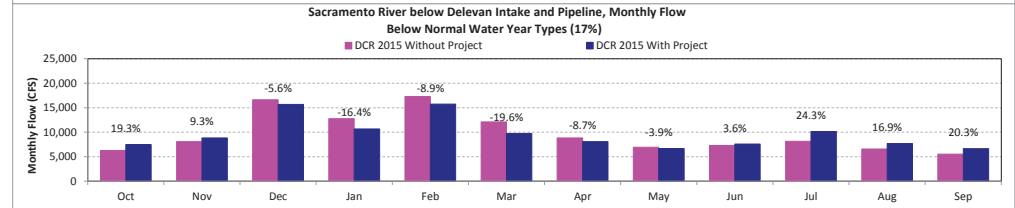
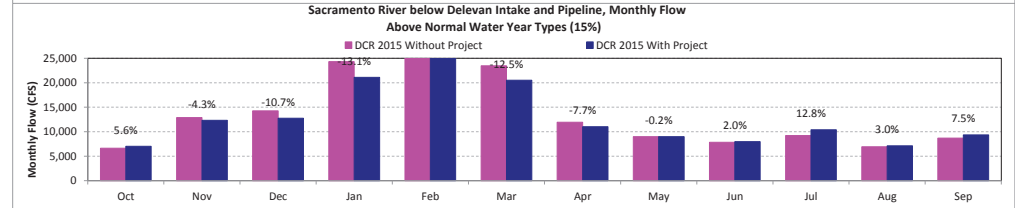
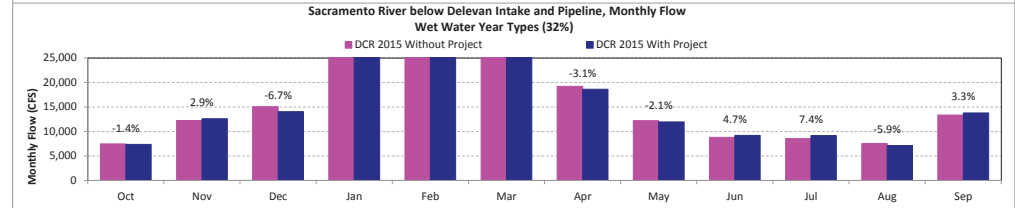
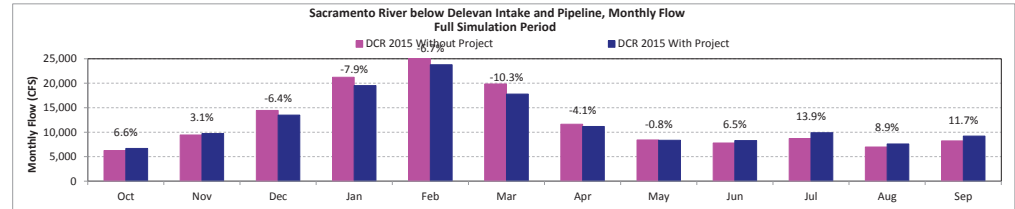
Table SW-14-a  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6,264	9,435	14,437	21,225	25,500	19,836	11,643	8,435	7,795	8,701	6,989	8,235
DCR 2015 With Project	6,678	9,726	13,513	19,540	23,792	17,796	11,164	8,368	8,303	9,908	7,608	9,195
Difference	414	291	-924	-1,684	-1,708	-2,040	-479	-67	509	1,207	620	961
Percent Difference <sup>2</sup>	6.6%	3.1%	-6.4%	-7.9%	-6.7%	-10.3%	-4.1%	-0.8%	6.5%	13.9%	8.9%	11.7%
<b>Water Year Types<sup>3</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7,467	12,234	15,050	38,385	42,965	33,011	19,226	12,216	8,795	8,543	7,566	13,359
DCR 2015 With Project	7,362	12,592	14,038	36,959	41,725	30,953	18,628	11,965	9,210	9,172	7,123	13,794
Difference	-105	358	-1,012	-1,426	-1,240	-2,058	-598	-251	415	629	-443	436
Percent Difference	-1.4%	2.9%	-6.7%	-3.7%	-2.9%	-6.2%	-3.1%	-2.1%	4.7%	7.4%	-5.9%	3.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	6,641	12,896	14,268	24,306	32,498	23,457	11,952	9,002	7,828	9,225	6,924	8,689
DCR 2015 With Project	7,010	12,342	12,744	21,120	30,057	20,519	11,030	8,984	7,983	10,404	7,132	9,340
Difference	369	-554	-1,524	-3,186	-2,441	-2,938	-922	-18	155	1,180	208	651
Percent Difference	5.6%	-4.3%	-10.7%	-13.1%	-7.5%	-12.5%	-7.7%	-0.2%	2.0%	12.8%	3.0%	7.5%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	6,286	8,086	16,610	12,766	17,286	12,107	8,835	6,944	7,305	8,156	6,573	5,521
DCR 2015 With Project	7,496	8,839	15,674	10,669	15,750	9,739	8,066	6,675	7,571	10,136	7,687	6,642
Difference	1,210	753	-936	-2,098	-1,536	-2,368	-768	-269	266	1,980	1,114	1,121
Percent Difference	19.3%	9.3%	-5.6%	-16.4%	-8.9%	-19.6%	-8.7%	-3.9%	3.6%	24.3%	16.9%	20.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5,274	6,973	16,252	9,452	13,280	12,094	6,627	5,867	7,352	9,295	6,620	5,037
DCR 2015 With Project	5,981	7,498	15,732	8,453	11,174	9,982	6,401	6,061	8,165	10,923	8,010	6,679
Difference	707	525	-520	-999	-2,106	-2,113	-226	194	813	1,628	1,390	1,642
Percent Difference	13.4%	7.5%	-3.2%	-10.6%	-15.9%	-17.5%	-3.4%	3.3%	11.1%	17.5%	21.0%	32.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	4,742	5,174	8,018	8,490	8,570	8,299	5,703	5,267	6,830	8,265	6,842	4,640
DCR 2015 With Project	4,955	5,279	7,295	7,202	6,979	7,691	5,883	5,394	7,721	9,215	8,444	5,841
Difference	213	105	-723	-1,288	-1,590	-608	181	126	891	951	1,603	1,200
Percent Difference	4.5%	2.0%	-9.0%	-15.2%	-18.6%	-7.3%	3.2%	2.4%	13.0%	11.5%	23.4%	25.9%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-14-b**  
**Sacramento River below Delevan Intake and Pipeline, Monthly Flow**  
**Probability of Exceedance**

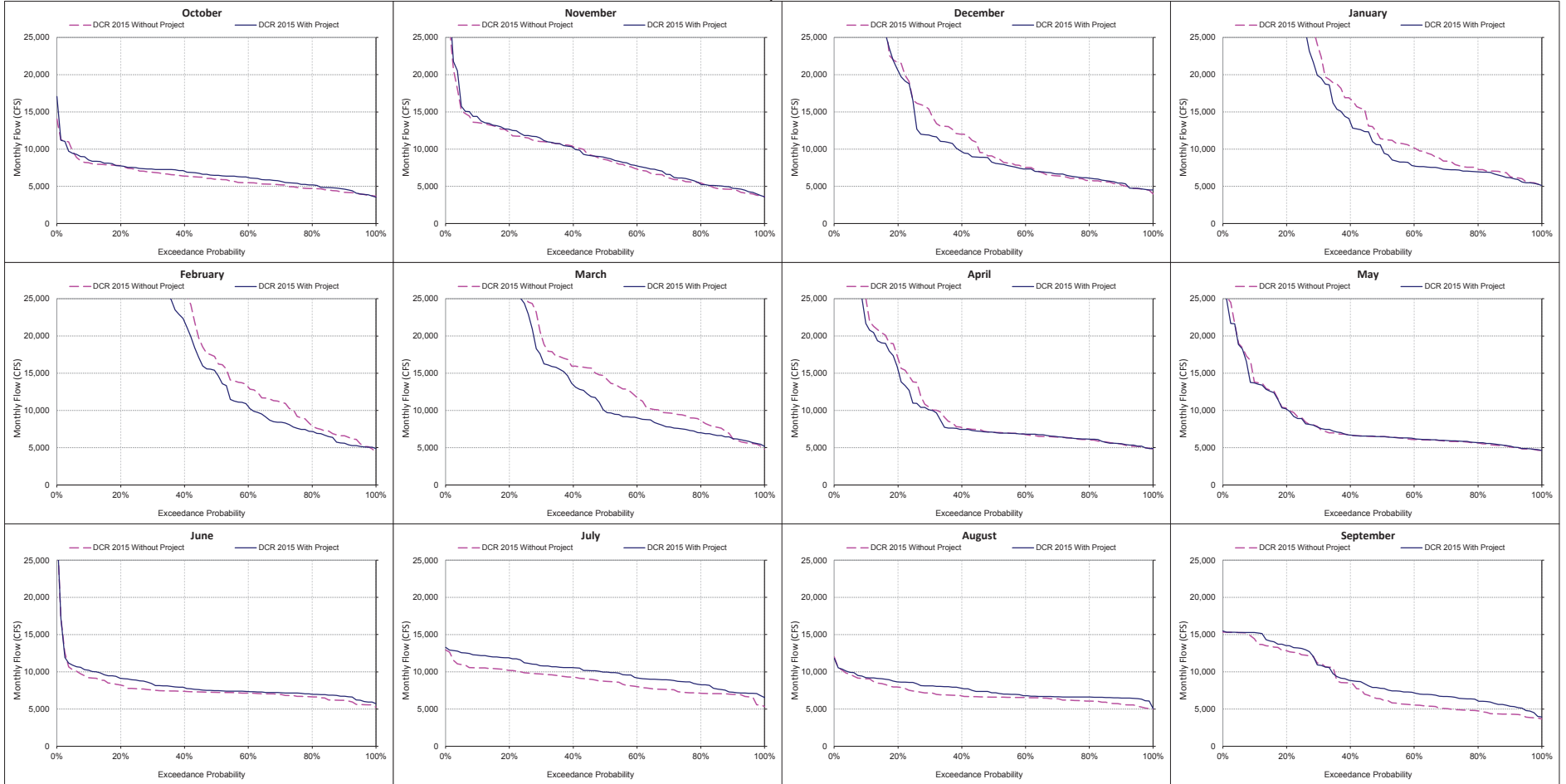


Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,051	17,073	3,022	21.5%
1.2%	11,257	11,175	-82	-0.7%
2.5%	11,112	11,055	-57	-0.5%
3.7%	10,966	9,734	-1,233	-11.2%
4.9%	9,726	9,444	-282	-2.9%
6.2%	8,887	9,309	422	4.7%
7.4%	8,447	9,005	558	6.6%
8.6%	8,223	8,986	763	9.3%
9.9%	8,178	8,944	766	9.4%
11.1%	8,033	8,377	345	4.3%
12.3%	7,961	8,372	411	5.2%
13.6%	7,956	8,327	370	4.7%
14.8%	7,915	8,120	205	2.6%
16.0%	7,861	8,115	254	3.2%
17.3%	7,851	8,044	193	2.5%
18.5%	7,807	7,802	-5	-0.1%
19.8%	7,791	7,755	-36	-0.5%
21.0%	7,627	7,690	63	0.8%
22.2%	7,426	7,534	107	1.4%
23.5%	7,263	7,383	120	1.7%
24.7%	7,266	7,502	235	3.2%
25.9%	7,051	7,396	346	4.9%
27.2%	7,042	7,256	214	3.0%
28.4%	6,948	7,339	391	5.6%
29.6%	6,932	7,315	383	5.5%
30.9%	6,844	7,277	433	6.3%
32.1%	6,794	7,269	475	7.0%
33.3%	6,664	7,268	604	9.1%
34.6%	6,663	7,258	595	8.9%
35.8%	6,560	7,258	698	10.6%
37.0%	6,532	7,239	708	10.8%
38.3%	6,476	7,120	644	9.9%
39.5%	6,382	7,107	724	11.4%
40.7%	6,363	7,050	687	10.8%
42.0%	6,318	6,861	543	8.6%
43.2%	6,286	6,807	521	8.3%
44.4%	6,241	6,762	521	8.3%
45.7%	6,230	6,629	398	6.4%
46.9%	6,067	6,620	554	9.1%
48.1%	6,058	6,514	456	7.5%
49.4%	5,960	6,487	526	8.8%
50.6%	5,958	6,465	507	8.5%
51.9%	5,900	6,403	503	8.5%
53.1%	5,891	6,367	476	8.1%
54.3%	5,705	6,357	652	11.4%
55.6%	5,668	6,351	683	12.1%
56.8%	5,527	6,304	777	14.1%
58.0%	5,486	6,266	781	13.8%
59.3%	5,479	6,254	775	14.1%
60.5%	5,478	6,126	648	11.8%
61.7%	5,464	6,072	608	11.1%
63.0%	5,395	6,065	670	12.4%
64.2%	5,314	5,916	601	11.3%
65.4%	5,300	5,875	576	10.9%
66.7%	5,293	5,862	569	10.8%
67.9%	5,271	5,807	537	10.2%
69.1%	5,233	5,761	528	10.1%
70.4%	5,202	5,653	452	8.7%
71.6%	5,182	5,522	341	6.6%
72.8%	4,946	5,478	532	10.8%
74.1%	4,941	5,458	517	10.5%
75.3%	4,848	5,402	554	11.4%
76.5%	4,787	5,273	486	10.2%
77.8%	4,732	5,259	527	11.1%
79.0%	4,713	5,202	489	10.4%
80.2%	4,702	5,202	500	10.6%
81.5%	4,675	5,117	441	9.4%
82.7%	4,667	4,871	204	4.4%
84.0%	4,547	4,844	297	6.5%
85.2%	4,520	4,818	298	6.6%
86.4%	4,424	4,784	360	8.1%
87.7%	4,401	4,775	373	8.5%
88.9%	4,271	4,694	423	9.9%
90.1%	4,195	4,613	417	9.9%
91.4%	4,169	4,506	337	8.1%
92.6%	4,142	4,423	281	6.8%
93.8%	4,067	4,080	13	0.3%
95.1%	3,951	3,990	39	1.0%
96.3%	3,904	3,923	18	0.5%
97.5%	3,790	3,866	76	2.0%
98.8%	3,748	3,705	-42	-1.1%
100.0%	3,663	3,542	-121	-3.3%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,736	37,469	-3,267	-8.0%
1.2%	26,324	29,926	3,602	13.7%
2.5%	20,663	21,782	1,119	5.4%
3.7%	18,055	20,514	2,459	13.6%
4.9%	15,158	15,760	603	4.0%
6.2%	14,775	15,077	302	2.0%
7.4%	14,451	15,029	578	4.0%
8.6%	13,617	14,395	778	5.7%
9.9%	13,577	14,391	815	6.0%
11.1%	13,498	13,804	307	2.3%
12.3%	13,415	13,555	141	1.0%
13.6%	13,260	13,489	228	1.6%
14.8%	13,157	13,215	59	0.4%
16.0%	13,007	13,145	138	1.1%
17.3%	12,696	13,005	309	2.4%
18.5%	12,669	12,704	36	0.3%
19.8%	12,321	12,678	357	2.9%
21.0%	11,789	12,495	706	6.0%
22.2%	11,742	12,477	735	6.3%
23.5%	11,726	12,112	386	3.3%
24.7%	11,578	11,836	257	2.2%
25.9%	11,494	11,814	319	2.8%
27.2%	11,227	11,727	500	4.5%
28.4%	11,088	11,693	604	5.4%
29.6%	11,024	11,502	478	4.3%
30.9%	10,990	11,132	142	1.3%
32.1%	10,930	10,954	24	0.2%
33.3%	10,827	10,902	76	0.7%
34.6%	10,752	10,771	19	0.2%
35.8%	10,717	10,705	-12	-0.1%
37.0%	10,559	10,487	-72	-0.7%
38.3%	10,546	10,385	-161	-1.5%
39.5%	10,443	10,324	-119	-1.1%
40.7%	10,175	9,948	-227	-2.2%
42.0%	10,102	9,865	-237	-2.3%
43.2%	9,868	9,864	-4	-0.0%
44.4%	9,345	9,190	-155	-1.7%
45.7%	9,175	9,114	-61	-0.7%
46.9%	9,024	9,047	24	0.3%
48.1%	8,769	9,010	241	2.7%
49.4%	8,646	8,942	296	3.4%
50.6%	8,567	8,799	232	2.7%
51.9%	8,373	8,673	300	3.6%
53.1%	8,212	8,463	251	3.1%
54.3%	7,993	8,358	364	4.6%
55.6%	7,944	8,241	297	3.7%
56.8%	7,656	8,163	507	6.6%
58.0%	7,638	7,913	275	3.6%
59.3%	7,418	7,843	425	5.7%
60.5%	7,247	7,696	449	6.2%
61.7%	7,126	7,584	458	6.4%
63.0%	7,054	7,485	431	6.1%
64.2%	6,772	7,317	545	8.0%
65.4%	6,594	7,309	714	10.8%
66.7%	6,588	7,159	571	8.7%
67.9%	6,570	7,058	488	7.4%
69.1%	6,209	6,614	406	6.5%
70.4%	6,089	6,576	487	8.0%
71.6%	5,920	6,183	263	4.4%
72.8%	5,886	6,119	233	4.0%
74.1%	5,819	6,110	291	5.0%
75.3%	5,632	6,050	418	7.4%
76.5%	5,593	5,893	300	5.4%
77.8%	5,546	5,762	215	3.9%
79.0%	5,530	5,556	26	0.5%
80.2%	5,428	5,220	-208	-3.8%
81.5%	5,186	5,220	34	0.7%
82.7%	5,088	5,117	29	0.6%
84.0%	4,840	5,106	266	5.5%
85.2%	4,712	5,070	358	7.6%
86.4%	4,666	5,036	370	7.9%
87.7%	4,631	4,978	347	7.5%
88.9%	4,615	4,936	321	7.0%
90.1%	4,569	4,716	147	3.2%
91.4%	4,449	4,579	130	2.9%
92.6%	4,193	4,628	435	10.4%
93.8%	4,097	4,462	365	8.9%
95.1%	4,049	4,252	202	5.0%
96.3%	3,972	4,184	212	5.3%
97.5%	3,794	3,994	199	5.0%
98.8%	3,744	3,774	30	0.8%
100.0%	3,609	3,603	-6	-0.2%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,768	59,732	-2,037	-3.3%
1.2%	53,655	52,660	-995	-1.9%
2.5%	44,005	43,953	-51	-0.1%
3.7%	43,533	41,914	-1,620	-3.7%
4.9%	42,536	39,536	-3,000	-7.1%
6.2%	40,017	38,054	-1,964	-4.9%
7.4%	39,174	33,297	-5,877	-15.0%
8.6%	33,833	30,000	-3,833	-11.3%
9.9%	31,852	30,000	-1,852	-5.8%
11.1%	30,648	27,108	-3,540	-11.6%
12.3%	29,066	27,076	-1,990	-6.8%
13.6%	28,071	26,838	-1,233	-4.4%
14.8%	28,063	26,292	-1,771	-6.3%
16.0%	27,403	25,481	-1,922	-7.0%
17.3%	22,606	23,604	998	4.4%
18.5%	22,011	21,937	-74	-0.3%
19.8%	21,658	20,791	-867	-4.0%
21.0%	21,531	19,704	-1,826	-8.5%
22.2%	19,918	19,140	-779	-3.9%
23.5%	19,106	18,768	-338	-1.8%
24.7%	16,584	16,582	-2	0.0%
25.9%	16,162	12,678	-3,484	-21.6%
27.2%	15,990	12,014	-3,976	-24.9%
28.4%	15,796	11,946	-3,850	-24.4%
29.6%	15,401	11,897	-3,504	-22.8%
30.9%	14,278	11,733	-2,545	-17.8%
32.1%	13,419	11,661	-1,758	-13.1%
33.3%	13,078	11,043	-2,035	-15.6%
34.6%	13,070	10,994	-2,076	-15.9%
35.8%	13,035	10,897	-2,138	-16.4%
37.0%	12,662	10,761	-1,901	-15.0%
38.3%	12,096	10,109	-1,987	-16.4%
39.5%	12,012	9,781	-2,231	-18.6%
40.7%	11,999	9,461	-2,538	-21.2%
42.0%	11,730	9,388	-2,342	-20.0%
43.2%	11,172	8,972	-2,200	-19.7%
44.4%	10,939	8,930	-2,010	-18.4%
45.7%	9,541	8,889	-652	-6.8%
46.9%	9,503	8,884	-619	-6.5%
48.1%	9,106	8,852	-253	-2.8%
49.4%	9,086	8,248	-838	-9.2%
50.6%	8,799	8,067	-732	-8.3%
51.9%	8,641	8,011	-630	-7.3%
53.1%	8,216	7,926	-290	-3.5%
54.3%	8,142	7,796	-346	-4.2%
55.6%	8,106	7,677	-429	-5.3%
56.8%	7,872	7,571	-301	-3.8%
58.0%	7,824	7,438	-386	-4.9%
59.3%	7,556	7,349	-207	-2.7%
60.5%	7,544	7,333	-211	-2.8%
61.7%	7,534	7,322	-212	-2.8%
63.0%	7,215	6,993	-221	-3.1%
64.2%	6,981	6,992	11	0.2%
65.4%	6,792	6,944	152	2.2%
66.7%	6,539	6,870	331	5.1%
67.9%	6,498	6,838	341	5.2%
69.1%	6,428	6,704	276	4.3%
70.4%	6,368	6,637	269	4.2%
71.6%	6,360	6,358	-2	-0.0%
72.8%	6,234	6,472	238	3.8%
74.1%	6,076	6,356	280	4.6%
75.3%	6,070	6,289	219	3.6%
76.5%	6,047	6,228	181	3.0%
77.8%	6,012	6,166	154	2.6%
79.0%	5,796	6,152	356	6.1%
80.2%	5,789	6,080	291	5.0%
81.5%	5,744	6,025	282	4.9%
82.7%	5,734	5,967	233	4.1%
84.0%	5,613	5,920	307	5.5%
85.2%	5,599	5,768</		

Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,794	101,395	9,601	10.5%
1.2%	91,920	91,920	562	0.6%
2.5%	80,437	79,610	-827	-1.0%
3.7%	72,408	72,364	-44	-0.1%
4.9%	67,068	66,714	-354	-0.5%
6.2%	65,514	65,421	-93	-0.1%
7.4%	65,493	62,574	-2,919	-4.5%
8.6%	60,182	59,707	-475	-0.8%
9.9%	59,444	58,684	-760	-1.3%
11.1%	58,687	57,974	-713	-1.2%
12.3%	57,704	53,236	-4,469	-7.7%
13.6%	53,930	51,154	-2,776	-5.1%
14.8%	50,986	49,719	-1,267	-2.5%
16.0%	43,046	40,127	-2,919	-6.8%
17.3%	40,670	39,040	-1,630	-4.0%
18.5%	40,110	37,948	-2,162	-5.4%
19.8%	39,936	36,528	-3,407	-8.5%
21.0%	39,721	36,150	-3,571	-9.0%
22.2%	39,623	35,028	-3,995	-10.1%
23.5%	37,671	33,148	-4,526	-12.0%
24.7%	33,025	32,247	-777	-2.4%
25.9%	31,338	30,460	-878	-2.8%
27.2%	30,652	30,262	-391	-1.3%
28.4%	30,357	29,753	-604	-2.0%
29.6%	30,007	29,076	-931	-3.1%
30.9%	29,925	26,320	-3,605	-12.0%
32.1%	29,561	26,099	-3,462	-11.7%
33.3%	29,406	25,914	-3,491	-11.9%
34.6%	26,362	25,634	-728	-2.8%
35.8%	26,267	24,906	-1,361	-5.2%
37.0%	26,176	23,498	-2,679	-10.2%
38.3%	25,928	22,894	-3,035	-11.7%
39.5%	25,474	22,375	-3,099	-12.2%
40.7%	25,459	21,229	-4,229	-16.6%
42.0%	24,215	19,952	-4,263	-17.6%
43.2%	21,842	18,442	-3,400	-15.6%
44.4%	19,764	17,107	-2,656	-13.4%
45.7%	18,558	15,969	-2,589	-13.9%
46.9%	17,701	15,578	-2,123	-12.0%
48.1%	17,500	11,508	-5,992	-34.2%
49.4%	17,263	15,402	-1,861	-10.8%
50.6%	16,236	14,611	-1,625	-10.0%
51.9%	16,139	13,585	-2,554	-15.8%
53.1%	15,565	13,331	-2,234	-14.4%
54.3%	14,089	11,474	-2,615	-18.6%
55.6%	13,980	11,259	-2,721	-19.5%
56.8%	13,802	11,128	-2,674	-19.4%
58.0%	13,710	10,082	-3,627	-26.5%
59.3%	13,518	10,914	-2,604	-19.3%
60.5%	12,868	10,253	-2,615	-20.3%
61.7%	12,772	9,872	-2,900	-22.7%
63.0%	12,417	9,754	-2,664	-21.5%
64.2%	11,694	9,537	-2,157	-18.4%
65.4%	11,674	9,122	-2,552	-21.9%
66.7%	11,554	8,693	-2,861	-24.8%
67.9%	11,324	8,498	-2,826	-25.0%
69.1%	11,260	8,427	-2,833	-25.2%
70.4%	11,091	8,423	-2,669	-24.1%
71.6%	10,957	8,319	-2,638	-24.1%
72.8%	10,258	8,096	-2,162	-21.1%
74.1%	10,133	7,772	-2,361	-23.3%
75.3%	9,202	7,604	-1,598	-17.4%
76.5%	9,001	7,443	-1,558	-17.3%
77.8%	8,861	7,442	-1,439	-16.2%
79.0%	8,324	7,211	-1,113	-13.4%
80.2%	7,836	7,177	-659	-8.4%
81.5%	7,598	6,934	-664	-8.7%
82.7%	7,470	6,869	-601	-8.0%
84.0%	7,249	6,655	-594	-8.2%
85.2%	7,238	6,478	-758	-10.5%
86.4%	6,886	6,402	-484	-7.0%
87.7%	6,722	5,748	-973	-14.5%
88.9%	6,602	5,650	-952	-14.4%
90.1%	6,598	5,601	-997	-15.1%
91.4%	6,393	5,300	-1,093	-17.1%
92.6%	6,174	5,294	-880	-14.3%
93.8%	6,110	5,273	-837	-13.7%
95.1%	5,538	5,166	-372	-6.7%
96.3%	5,157	5,092	-65	-1.3%
97.5%	5,135	5,078	-57	-1.1%
98.8%	4,856	4,811	-45	-0.9%
100.0%	4,388	4,871	483	11.0%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	91,033	4,281	4.9%
1.2%	80,962	77,430	-3,532	-4.4%
2.5%	72,388	71,136	-1,252	-1.7%
3.7%	62,142	51,268	-10,874	-17.5%
4.9%	51,265	50,244	-1,021	-2.0%
6.2%	50,571	45,258	-5,313	-10.5%
7.4%	50,192	42,321	-7,871	-15.7%
8.6%	43,671	41,700	-2,172	-5.0%
9.9%	42,186	39,515	-2,671	-6.3%
11.1%	39,604	37,946	-1,657	-4.2%
12.3%	39,095	33,128	-5,968	-15.3%
13.6%	30,650	31,018	368	1.2%
14.8%	30,344	30,312	-32	-0.1%
16.0%	29,218	29,065	-153	-0.5%
17.3%	28,657	27,557	-1,100	-3.8%
18.5%	27,566	27,474	-92	-0.3%
19.8%	27,428	26,218	-1,210	-4.4%
21.0%	26,820	25,416	-1,404	-5.2%
22.2%	26,260	25,164	-1,096	-4.2%
23.5%	25,436	25,094	-341	-1.3%
24.7%	25,167	24,378	-789	-3.1%
25.9%	24,566	22,940	-1,626	-6.6%
27.2%	24,363	20,947	-3,416	-14.0%
28.4%	23,248	18,288	-4,960	-21.3%
29.6%	20,613	17,626	-2,987	-14.5%
30.9%	18,881	16,278	-2,604	-13.8%
32.1%	17,956	16,113	-1,844	-10.3%
33.3%	17,900	15,916	-1,984	-11.1%
34.6%	17,296	15,789	-1,507	-8.7%
35.8%	17,229	15,531	-1,698	-9.9%
37.0%	17,008	15,237	-1,771	-10.4%
38.3%	16,843	14,671	-2,172	-12.9%
39.5%	15,956	13,665	-2,291	-14.4%
40.7%	15,952	13,127	-2,825	-17.7%
42.0%	15,839	12,624	-3,014	-19.0%
43.2%	15,819	12,607	-3,212	-20.3%
44.4%	15,725	12,225	-3,501	-22.3%
45.7%	15,693	11,841	-3,852	-24.5%
46.9%	15,024	11,724	-3,300	-22.0%
48.1%	14,787	11,106	-3,681	-24.9%
49.4%	14,710	10,085	-4,625	-31.4%
50.6%	14,611	10,164	-4,447	-30.4%
51.9%	13,637	9,665	-3,971	-29.1%
53.1%	13,544	9,481	-4,062	-30.0%
54.3%	13,193	9,463	-3,729	-28.3%
55.6%	12,887	9,176	-3,711	-28.8%
56.8%	12,871	9,167	-3,704	-28.8%
58.0%	12,498	9,105	-3,393	-27.1%
59.3%	12,040	9,090	-2,949	-24.5%
60.5%	11,528	8,970	-2,558	-22.2%
61.7%	11,254	8,906	-2,448	-21.8%
63.0%	10,384	8,777	-1,607	-15.5%
64.2%	10,234	8,724	-1,509	-14.7%
65.4%	10,123	8,378	-1,745	-17.2%
66.7%	10,084	8,217	-1,867	-18.6%
67.9%	9,734	8,022	-1,712	-17.5%
69.1%	9,686	7,813	-1,873	-19.3%
70.4%	9,653	7,771	-1,882	-19.5%
71.6%	9,591	7,650	-1,941	-20.2%
72.8%	9,465	7,606	-1,860	-19.6%
74.1%	9,417	7,527	-1,890	-20.1%
75.3%	9,285	7,439	-1,847	-19.9%
76.5%	9,006	7,327	-1,678	-18.6%
77.8%	8,983	7,225	-1,758	-19.6%
79.0%	8,908	7,038	-1,870	-21.0%
80.2%	8,569	6,986	-1,583	-18.5%
81.5%	8,239	6,893	-1,346	-16.3%
82.7%	8,005	6,890	-1,115	-13.9%
84.0%	7,839	6,736	-1,103	-14.1%
85.2%	7,738	6,653	-1,084	-14.0%
86.4%	7,625	6,631	-994	-13.0%
87.7%	7,223	6,471	-752	-10.4%
88.9%	6,911	6,451	-460	-6.7%
90.1%	6,150	6,197	47	0.8%
91.4%	6,116	6,161	45	0.7%
92.6%	5,795	6,049	253	4.4%
93.8%	5,684	5,971	287	5.1%
95.1%	5,585	5,855	270	4.8%
96.3%	5,556	5,689	133	2.4%
97.5%	5,479	5,574	96	1.7%
98.8%	5,201	5,459	258	4.9%
100.0%	4,784	5,159	375	7.8%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,956	48,009	-1,947	-3.9%
1.2%	44,658	44,534	-123	-0.3%
2.5%	43,465	43,420	-45	-0.1%
3.7%	34,691	34,953	262	0.8%
4.9%	32,389	26,417	-5,972	-18.4%
6.2%	26,017	25,989	-28	-0.1%
7.4%	25,513	25,345	-169	-0.7%
8.6%	25,195	25,159	-36	-0.1%
9.9%	25,171	21,698	-3,473	-13.8%
11.1%	21,937	20,783	-1,155	-5.3%
12.3%	21,299	20,479	-820	-3.9%
13.6%	20,852	19,372	-1,480	-7.1%
14.8%	20,457	19,081	-1,376	-6.7%
16.0%	20,113	18,994	-1,119	-5.6%
17.3%	19,047	17,965	-1,083	-5.7%
18.5%	18,975	17,352	-1,624	-8.6%
19.8%	17,349	15,892	-1,458	-8.4%
21.0%	16,658	13,838	-2,820	-16.9%
22.2%	15,411	13,324	-2,087	-13.5%
23.5%	14,646	12,662	-1,984	-13.6%
24.7%	13,837	10,977	-2,860	-20.7%
25.9%	13,771	10,934	-2,837	-20.6%
27.2%	11,908	10,417	-1,491	-12.5%
28.4%	10,838	10,408	-430	-4.0%
29.6%	9,626	9,475	-151	-1.6%
30.9%	10,062	9,975	-87	-0.9%
32.1%	10,026	9,675	-350	-3.5%
33.3%	9,791	8,888	-903	-9.2%
34.6%	9,096	7,732	-1,364	-15.0%
35.8%	8,539	7,632	-907	-10.6%
37.0%	8,358	7,628	-730	-8.7%
38.3%	7,821	7,598	-223	-2.9%
39.5%	7,782	7,469	-313	-4.0%
40.7%	7,561	7,462	-99	-1.3%
42.0%	7,551	7,444	-107	-1.4%
43.2%	7,419	7,298	-121	-1.6%
44.4%	7,459	7,240	-219	-2.9%
45.7%	7,446	7,189	-257	-3.5%
46.9%	7,210	7,120	-90	-1.2%
48.1%	7,127	7,109	-18	-0.3%
49.4%	7,117	7,091	-26	-0.4%
50.6%	7,036	7,014	-22	-0.3%
51.9%	7,030	6,971	-60	-0.9%
53.1%	6,991	6,964	-27	-0.4%
54.3%	6,972	6,961	-11	-0.2%
55.6%	6,944	6,924	-20	-0.3%
56.8%	6,926	6,921	-5	-0.1%
58.0%	6,827	6,849	22	0.3%
59.3%	6,815	6,845	30	0.4%
60.5%	6,723	6,815	92	1.4%
61.7%	6,639	6,813	174	2.6%
63.0%	6,627	6,807	180	2.7%
64.2%	6,510	6,755	245	3.8%
65.4%	6,509	6,746	237	3.6%
66.7%	6,483	6,629	146	2.2%
67.9%	6,473	6,547	74	1.1%
69.1%	6,437	6,532	95	1.5%
70.4%	6,412	6,448	37	0.6%
71.6%	6,373	6,408	35	0.6%
72.8%	6,369	6,315	-53	-0.8%
74.1%	6,284	6,310	26	0.4%
75.3%	6,281	6,249	-32	-0.5%



Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,858	29,797	-61	-0.2%
1.2%	17,335	17,182	-153	-0.9%
2.5%	12,624	11,920	-704	-5.6%
3.7%	10,662	11,194	532	5.0%
4.9%	10,272	10,877	605	5.9%
6.2%	10,073	10,695	622	6.2%
7.4%	9,744	10,602	858	8.8%
8.6%	9,487	10,279	793	8.4%
9.9%	9,215	10,222	1,006	10.9%
11.1%	9,159	10,033	874	9.5%
12.3%	9,130	10,012	881	9.7%
13.6%	8,867	9,842	975	11.0%
14.8%	8,660	9,593	933	8.3%
16.0%	8,491	9,453	962	11.3%
17.3%	8,453	9,452	999	11.8%
18.5%	8,328	9,384	1,056	12.7%
19.8%	8,229	9,153	923	11.2%
21.0%	8,112	9,074	962	11.9%
22.2%	7,776	9,028	1,252	16.1%
23.5%	7,770	8,819	1,150	14.8%
24.7%	7,733	8,895	1,162	15.0%
25.9%	7,698	8,791	1,093	14.2%
27.2%	7,691	11,054	3,363	43.5%
28.4%	7,615	8,619	1,004	13.2%
29.6%	7,572	7,978	406	5.3%
30.9%	7,520	8,163	643	8.5%
32.1%	7,462	8,141	679	9.1%
33.3%	7,454	8,128	675	9.0%
34.6%	7,432	8,103	671	9.0%
35.8%	7,422	8,044	622	8.4%
37.0%	7,415	7,978	563	7.6%
38.3%	7,401	7,928	527	7.1%
39.5%	7,401	7,917	516	7.0%
40.7%	7,357	7,739	382	5.2%
42.0%	7,323	7,733	410	5.6%
43.2%	7,315	7,654	339	4.6%
44.4%	7,293	7,625	332	4.6%
45.7%	7,291	7,549	257	3.5%
46.9%	7,265	7,521	257	3.5%
48.1%	7,263	7,488	225	3.1%
49.4%	7,251	7,487	236	3.3%
50.6%	7,141	7,228	87	1.2%
51.9%	7,218	7,418	200	2.8%
53.1%	7,217	7,414	197	2.7%
54.3%	7,215	7,412	197	2.7%
55.6%	7,208	7,409	201	2.8%
56.8%	7,177	7,404	227	3.2%
58.0%	7,141	7,403	262	3.7%
59.3%	7,137	7,372	235	3.3%
60.5%	7,136	7,314	178	2.5%
61.7%	7,127	7,311	183	2.6%
63.0%	7,078	7,305	227	3.2%
64.2%	7,060	7,290	230	3.3%
65.4%	7,042	7,235	193	2.7%
66.7%	7,042	7,210	168	2.4%
67.9%	7,041	7,208	167	2.4%
69.1%	6,970	7,202	232	3.3%
70.4%	6,948	7,198	250	3.6%
71.6%	6,827	7,156	329	4.8%
72.8%	6,815	7,154	339	5.0%
74.1%	6,805	7,146	340	5.0%
75.3%	6,708	7,132	424	6.3%
76.5%	6,704	7,125	421	6.3%
77.8%	6,672	7,046	374	5.6%
79.0%	6,665	7,036	373	5.6%
80.2%	6,624	6,981	357	5.4%
81.5%	6,619	6,971	352	5.3%
82.7%	6,508	6,923	415	6.4%
84.0%	6,489	6,921	432	6.7%
85.2%	6,208	6,873	664	10.7%
86.4%	6,199	6,868	670	10.8%
87.7%	6,183	6,814	632	10.2%
88.9%	6,179	6,731	551	8.9%
90.1%	6,175	6,713	538	8.7%
91.4%	6,085	6,542	457	7.5%
92.6%	6,040	6,614	574	9.5%
93.8%	5,619	6,233	614	10.9%
95.1%	5,610	6,200	591	10.5%
96.3%	5,574	6,006	432	7.7%
97.5%	5,562	5,946	385	6.9%
98.8%	5,559	5,845	286	5.1%
100.0%	5,241	5,715	473	9.0%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,943	13,279	336	2.6%
1.2%	12,639	12,935	296	2.3%
2.5%	11,547	12,853	1,306	11.3%
3.7%	11,063	12,780	1,717	15.5%
4.9%	10,978	12,572	1,594	14.5%
6.2%	10,904	12,539	1,635	15.0%
7.4%	10,569	12,467	1,898	18.0%
8.6%	10,549	12,471	1,922	18.2%
9.9%	10,531	12,287	1,756	16.7%
11.1%	10,529	12,183	1,654	15.7%
12.3%	10,522	12,174	1,652	15.7%
13.6%	10,448	12,077	1,629	15.6%
14.8%	10,448	11,994	1,546	14.8%
16.0%	10,403	11,990	1,586	15.2%
17.3%	10,365	11,917	1,552	15.0%
18.5%	10,327	11,904	1,577	15.3%
19.8%	10,193	11,889	1,697	16.6%
21.0%	10,179	11,757	1,578	15.5%
22.2%	10,097	11,752	1,655	16.4%
23.5%	10,007	11,622	1,614	16.1%
24.7%	9,876	11,214	1,338	13.6%
25.9%	9,838	11,136	1,297	13.2%
27.2%	9,797	11,054	1,257	12.8%
28.4%	9,734	11,003	1,269	13.0%
29.6%	9,740	11,342	1,602	16.5%
30.9%	9,671	11,301	1,630	16.8%
32.1%	9,617	11,158	1,541	16.0%
33.3%	9,591	11,097	1,506	15.6%
34.6%	9,517	11,073	1,556	16.4%
35.8%	9,437	11,093	1,656	17.6%
37.0%	9,376	11,089	1,713	18.2%
38.3%	9,303	11,086	1,783	19.1%
39.5%	9,288	11,070	1,782	19.1%
40.7%	9,254	11,034	1,780	19.1%
42.0%	9,127	11,017	1,890	20.8%
43.2%	9,039	10,992	1,953	21.6%
44.4%	9,022	11,070	1,048	11.7%
45.7%	8,990	11,057	1,067	11.9%
46.9%	8,900	11,042	1,142	12.8%
48.1%	8,767	11,091	1,324	15.1%
49.4%	8,753	11,091	1,338	15.3%
50.6%	8,728	11,089	1,361	15.6%
51.9%	8,679	11,089	1,410	16.2%
53.1%	8,642	11,089	1,447	16.6%
54.3%	8,596	11,089	1,493	17.3%
55.6%	8,313	10,992	1,279	15.4%
56.8%	8,170	10,978	1,407	17.2%
58.0%	8,122	10,962	1,440	17.7%
59.3%	8,060	11,054	1,194	14.8%
60.5%	7,972	11,054	1,157	14.5%
61.7%	7,869	11,054	1,210	15.4%
63.0%	7,826	11,054	1,228	15.7%
64.2%	7,757	11,054	1,260	16.2%
65.4%	7,680	11,054	1,311	17.1%
66.7%	7,665	11,054	1,307	17.0%
67.9%	7,652	11,054	1,289	16.8%
69.1%	7,625	11,054	1,302	17.1%
70.4%	7,615	11,054	1,293	17.0%
71.6%	7,583	11,054	1,245	16.4%
72.8%	7,322	11,054	1,409	19.2%
74.1%	7,262	11,054	1,421	19.6%
75.3%	7,222	11,054	1,437	19.9%
76.5%	7,179	11,054	1,464	20.4%
77.8%	7,175	11,054	1,265	17.6%
79.0%	7,159	11,054	1,168	16.3%
80.2%	7,104	11,054	1,152	16.2%
81.5%	7,090	11,054	1,165	16.4%
82.7%	7,076	11,054	1,099	15.5%
84.0%	7,072	11,054	1,104	15.6%
85.2%	7,070	11,054	1,103	15.6%
86.4%	7,056	11,054	1,103	15.6%
87.7%	7,056	11,054	1,103	15.6%
88.9%	7,008	11,054	1,103	15.6%
90.1%	6,960	11,054	1,103	15.6%
91.4%	6,947	11,054	1,103	15.6%
92.6%	6,917	11,054	1,103	15.6%
93.8%	6,696	11,054	1,103	15.6%
95.1%	6,642	11,054	1,103	15.6%
96.3%	6,590	11,054	1,103	15.6%
97.5%	6,570	11,054	1,103	15.6%
98.8%	6,551	11,054	1,103	15.6%
100.0%	5,337	6,560	1,223	22.9%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,002	11,839	-163	-1.4%
1.2%	10,558	10,546	-12	-0.1%
2.5%	10,221	10,378	155	1.5%
3.7%	9,837	10,108	271	2.8%
4.9%	9,689	9,932	243	2.5%
6.2%	9,407	9,903	496	5.3%
7.4%	9,163	9,511	348	3.8%
8.6%	9,111	9,421	310	3.4%
9.9%	9,065	9,205	140	1.5%
11.1%	9,054	9,192	138	1.5%
12.3%	8,883	9,169	286	3.2%
13.6%	8,485	9,127	642	7.6%
14.8%	8,420	9,059	639	7.6%
16.0%	8,284	8,990	706	8.5%
17.3%	8,085	8,919	834	10.3%
18.5%	7,968	8,758	790	9.9%
19.8%	7,959	8,639	680	8.5%
21.0%	7,893	8,604	711	9.0%
22.2%	7,760	8,598	838	10.8%
23.5%	7,517	8,587	1,070	14.2%
24.7%	7,416	8,585	1,168	15.8%
25.9%	7,355	8,382	1,027	14.0%
27.2%	7,256	8,150	894	12.3%
28.4%	7,165	8,115	950	13.3%
29.6%	7,110	7,959	849	11.9%
30.9%	7,141	8,106	966	13.5%
32.1%	7,067	8,039	1,073	15.4%
33.3%	6,910	8,030	1,120	16.2%
34.6%	6,902	7,990	1,088	15.8%
35.8%	6,881	7,990	1,108	16.1%
37.0%	6,854	7,929	1,076	15.7%
38.3%	6,834	7,916	1,082	15.8%
39.5%	6,817	7,819	1,002	14.7%
40.7%	6,691	7,719	1,028	15.4%
42.0%	6,671	7,704	1,033	15.5%
43.2%	6,668	7,600	932	14.0%
44.4%	6,662	7,371	709	10.6%
45.7%	6,638	7,369	732	11.0%
46.9%	6,624	7,366	742	11.2%
48.1%	6,609	7,358	749	11.3%
49.4%	6,601	7,189	588	8.9%
50.6%	6,583	7,175	592	9.0%
51.9%	6,591	7,068	477	7.2%
53.1%	6,591	7,011	420	6.4%
54.3%	6,572	7,002	431	6.6%
55.6%	6,562	6,984	422	6.4%
56.8%	6,555	6,972	417	6.4%
58.0%	6,555	6,917	362	5.5%
59.3%	6,553	6,799	246	3.8%
60.5%	6,525	6,785	260	4.0%
61.7%	6,514	6,738	224	3.4%
63.0%	6,511	6,708	197	3.0%
64.2%	6,499	6,689	190	2.9%
65.4%	6,468	6,689	221	3.4%
66.7%	6,458	6,677	220	3.4%
67.9%	6,386	6,676	290	4.5%
69.1%	6,385	6,645	259	4.1%
70.4%	6,371	6,637	266	4.2%
71.6%	6,208	6,626	418	6.7%
72.8%	6,202	6,621	419	6.8%
74.1%	6,189	6,621	432	7.0%
75.3%	6,146	6,617	471	7.7%
76.5%	6,136	6,617	481	7.8%
77.8%	6,106	6,606	498	8.2%
79.0%	6,069	6,598	528	8.7%
80.2%				



Table SW-15-a  
Sacramento River at Wilken Slough, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	6,038	9,041	11,300	13,726	15,307	14,065	8,693	6,889	5,666	6,631	5,440	7,929
DCR 2015 With Project	6,442	9,314	10,756	12,752	14,298	12,659	8,413	6,839	6,166	7,818	6,028	8,890
Difference	405	274	-544	-973	-1,009	-1,406	-280	-50	500	1,187	588	961
Percent Difference <sup>2</sup>	6.7%	3.0%	-4.8%	-7.1%	-6.6%	-10.0%	-3.2%	-0.7%	8.8%	17.9%	10.8%	12.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	7,126	11,971	11,547	19,102	19,835	18,274	13,408	10,373	6,439	6,542	6,081	13,056
DCR 2015 With Project	7,017	12,235	11,092	18,591	19,491	17,405	13,209	10,211	6,858	7,157	5,625	13,521
Difference	-109	264	-456	-511	-344	-869	-199	-162	419	615	-456	465
Percent Difference	-1.5%	2.2%	-3.9%	-2.7%	-1.7%	-4.8%	-1.5%	-1.6%	6.5%	9.4%	-7.5%	3.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	6,398	11,234	12,089	16,397	19,083	17,496	10,180	7,341	5,803	7,161	5,372	8,394
DCR 2015 With Project	6,761	10,941	10,802	15,348	17,964	15,537	9,539	7,340	5,943	8,330	5,546	9,057
Difference	363	-293	-1,287	-1,049	-1,120	-1,958	-642	-1	141	1,169	174	663
Percent Difference	5.7%	-2.6%	-10.6%	-6.4%	-5.9%	-11.2%	-6.3%	0.0%	2.4%	16.3%	3.2%	7.9%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	6,128	7,992	12,665	12,208	14,406	11,950	7,080	5,589	5,303	6,057	5,017	5,221
DCR 2015 With Project	7,329	8,606	12,198	10,462	13,313	9,593	6,551	5,304	5,557	8,018	6,068	6,332
Difference	1,201	614	-467	-1,746	-1,092	-2,357	-529	-286	254	1,961	1,051	1,111
Percent Difference	19.6%	7.7%	-3.7%	-14.3%	-7.6%	-19.7%	-7.5%	-5.1%	4.8%	32.4%	20.9%	21.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5,126	6,800	11,579	8,872	11,534	11,316	5,200	4,543	5,302	7,168	5,008	4,748
DCR 2015 With Project	5,812	7,295	11,450	8,074	10,035	9,684	4,992	4,721	6,097	8,768	6,356	6,372
Difference	686	495	-129	-798	-1,500	-1,632	-208	179	795	1,600	1,348	1,623
Percent Difference	13.4%	7.3%	-1.1%	-9.0%	-13.0%	-14.4%	-4.0%	3.9%	15.0%	22.3%	26.9%	34.2%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	4,584	5,082	7,966	8,456	8,429	8,108	4,111	3,922	4,825	6,157	5,261	4,284
DCR 2015 With Project	4,791	5,215	7,260	7,194	6,925	7,535	4,201	4,000	5,707	7,078	6,847	5,452
Difference	207	133	-706	-1,262	-1,504	-573	90	78	882	922	1,586	1,168
Percent Difference	4.5%	2.6%	-8.9%	-14.9%	-17.8%	-7.1%	2.2%	2.0%	18.3%	15.0%	30.1%	27.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-15-b**  
**Sacramento River at Wilken Slough, Monthly Flow**  
**Probability of Exceedance**

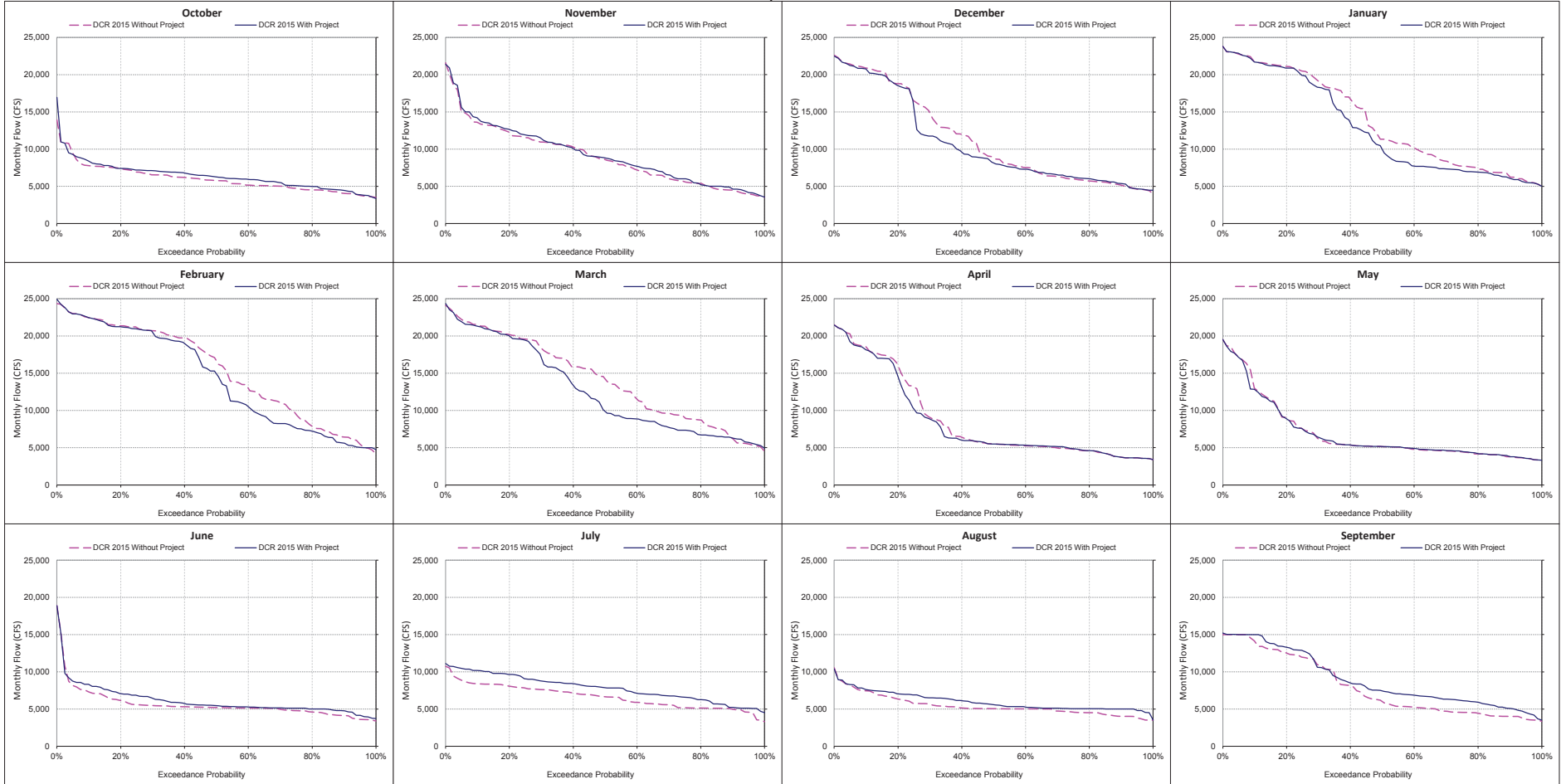


Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,932	16,968	3,036	21.8%
1.2%	10,953	10,980	27	0.2%
2.5%	10,852	10,800	-52	-0.5%
3.7%	10,762	9,496	-1,266	-11.8%
4.9%	9,483	9,304	-179	-1.9%
6.2%	8,583	8,975	392	4.6%
7.4%	8,049	8,816	767	9.5%
8.6%	7,945	8,653	708	10.3%
9.9%	7,789	8,401	612	7.9%
11.1%	7,713	8,099	386	5.0%
12.3%	7,684	8,018	334	4.4%
13.6%	7,676	7,991	315	4.1%
14.8%	7,598	7,796	198	2.5%
16.0%	7,589	7,779	191	2.5%
17.3%	7,527	7,687	161	2.1%
18.5%	7,496	7,423	-73	-1.0%
19.8%	7,417	7,418	1	0.0%
21.0%	7,286	7,389	103	1.4%
22.2%	7,222	7,369	148	2.0%
23.5%	7,132	7,309	176	2.5%
24.7%	6,911	7,195	284	4.1%
25.9%	6,905	7,180	274	4.0%
27.2%	6,771	7,160	389	5.7%
28.4%	6,723	7,126	403	6.0%
29.6%	6,557	7,115	558	8.5%
30.9%	6,541	7,088	547	8.4%
32.1%	6,534	7,001	467	7.2%
33.3%	6,517	6,988	471	7.2%
34.6%	6,516	6,925	409	6.3%
35.8%	6,319	6,905	585	9.3%
37.0%	6,249	6,846	597	9.6%
38.3%	6,221	6,869	649	10.4%
39.5%	6,207	6,818	611	9.8%
40.7%	6,174	6,813	639	10.4%
42.0%	6,121	6,613	492	8.0%
43.2%	6,025	6,470	445	7.4%
44.4%	6,024	6,479	455	7.6%
45.7%	5,903	6,467	564	9.6%
46.9%	5,844	6,450	606	10.4%
48.1%	5,837	6,371	535	9.2%
49.4%	5,785	6,309	524	9.1%
50.6%	5,766	6,245	469	8.1%
51.9%	5,749	6,188	440	7.6%
53.1%	5,739	6,089	350	6.1%
54.3%	5,371	6,055	683	12.7%
55.6%	5,363	6,031	668	12.5%
56.8%	5,344	6,019	675	12.6%
58.0%	5,331	5,978	647	12.1%
59.3%	5,163	5,969	807	15.6%
60.5%	5,152	5,912	760	14.8%
61.7%	5,113	5,895	782	15.3%
63.0%	5,108	5,957	758	14.8%
64.2%	5,103	5,752	649	12.7%
65.4%	5,083	5,652	569	11.2%
66.7%	5,081	5,650	569	11.2%
67.9%	5,050	5,645	596	11.8%
69.1%	5,037	5,545	509	10.1%
70.4%	5,022	5,477	455	9.1%
71.6%	5,012	5,183	150	3.0%
72.8%	4,822	5,108	287	5.9%
74.1%	4,751	5,107	356	7.5%
75.3%	4,733	5,083	350	7.4%
76.5%	4,599	5,037	438	9.5%
77.8%	4,544	5,022	478	10.5%
79.0%	4,533	5,000	467	10.3%
80.2%	4,520	4,975	455	10.1%
81.5%	4,519	4,974	454	10.1%
82.7%	4,507	4,684	177	3.9%
84.0%	4,430	4,461	31	0.7%
85.2%	4,375	4,417	41	0.9%
86.4%	4,286	4,500	214	5.0%
87.7%	4,258	4,544	286	6.7%
88.9%	4,112	4,520	408	9.9%
90.1%	4,048	4,460	412	10.2%
91.4%	4,022	4,342	320	8.0%
92.6%	4,021	4,227	206	5.1%
93.8%	3,919	3,902	-17	-0.4%
95.1%	3,769	3,880	111	2.9%
96.3%	3,689	3,800	111	3.0%
97.5%	3,642	3,769	127	3.5%
98.8%	3,602	3,644	42	1.2%
100.0%	3,504	3,378	-126	-3.6%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,592	21,377	-215	-1.0%
1.2%	20,034	20,832	798	4.0%
2.5%	19,598	19,972	374	1.9%
3.7%	17,962	18,559	597	3.3%
4.9%	14,997	15,607	610	4.1%
6.2%	14,857	15,000	143	1.0%
7.4%	14,449	15,000	551	3.8%
8.6%	13,053	14,374	1,321	10.1%
9.9%	13,614	14,225	612	4.5%
11.1%	13,342	13,718	376	2.8%
12.3%	13,307	13,569	262	2.0%
13.6%	13,192	13,510	318	2.4%
14.8%	13,162	13,170	9	0.1%
16.0%	12,959	13,141	182	1.4%
17.3%	12,688	12,962	274	2.2%
18.5%	12,513	12,746	233	1.9%
19.8%	12,319	12,667	348	2.8%
21.0%	11,798	12,476	678	5.7%
22.2%	11,762	12,385	623	5.3%
23.5%	11,710	11,225	-485	-4.1%
24.7%	11,546	11,926	380	3.3%
25.9%	11,526	11,829	304	2.6%
27.2%	11,243	11,780	537	4.8%
28.4%	11,174	11,744	570	5.1%
29.6%	11,115	11,359	244	2.2%
30.9%	10,946	11,153	207	1.9%
32.1%	10,892	10,918	26	0.2%
33.3%	10,752	10,902	150	1.4%
34.6%	10,647	10,700	53	0.5%
35.8%	10,620	10,685	65	0.6%
37.0%	10,522	10,514	-8	-0.1%
38.3%	10,513	10,329	-184	-1.7%
39.5%	10,369	10,227	-141	-1.4%
40.7%	10,133	9,852	-281	-2.8%
42.0%	9,987	9,846	-141	-1.4%
43.2%	9,765	9,389	-376	-3.9%
44.4%	9,308	9,066	-243	-2.6%
45.7%	9,077	9,048	-29	-0.3%
46.9%	8,980	9,021	41	0.5%
48.1%	8,730	8,952	222	2.5%
49.4%	8,696	8,874	178	2.0%
50.6%	8,506	8,755	249	2.9%
51.9%	8,397	8,650	253	3.0%
53.1%	8,253	8,427	174	2.1%
54.3%	7,911	8,374	463	5.9%
55.6%	7,901	8,285	384	4.9%
56.8%	7,651	8,098	448	5.8%
58.0%	7,578	7,911	333	4.4%
59.3%	7,316	7,753	438	6.0%
60.5%	7,121	7,643	522	7.3%
61.7%	7,072	7,481	409	5.8%
63.0%	6,928	7,404	476	6.9%
64.2%	6,524	7,355	831	12.7%
65.4%	6,513	7,267	754	11.6%
66.7%	6,512	7,034	521	8.0%
67.9%	6,470	6,986	516	8.0%
69.1%	6,145	6,591	447	7.3%
70.4%	5,976	6,502	526	8.8%
71.6%	5,877	6,143	266	4.5%
72.8%	5,772	6,025	254	4.4%
74.1%	5,743	6,015	272	4.7%
75.3%	5,559	6,003	443	8.0%
76.5%	5,496	5,877	382	6.9%
77.8%	5,440	5,462	22	0.4%
79.0%	5,381	5,435	55	1.0%
80.2%	5,380	5,181	-198	-3.7%
81.5%	5,102	5,131	28	0.6%
82.7%	5,010	5,005	-5	-0.1%
84.0%	4,752	5,000	248	5.2%
85.2%	4,619	5,000	381	8.3%
86.4%	4,586	5,000	414	9.0%
87.7%	4,529	4,919	390	8.6%
88.9%	4,510	4,914	404	9.0%
90.1%	4,495	4,625	130	2.9%
91.4%	4,331	4,519	188	4.3%
92.6%	4,145	4,534	389	9.4%
93.8%	4,020	4,372	352	8.8%
95.1%	3,959	4,164	205	5.2%
96.3%	3,889	4,133	244	6.3%
97.5%	3,729	3,937	208	5.6%
98.8%	3,695	3,721	26	0.7%
100.0%	3,534	3,533	-1	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,621	22,490	-130	-0.6%
1.2%	22,293	22,197	-96	-0.4%
2.5%	21,714	21,661	-52	-0.2%
3.7%	21,543	21,537	-6	0.0%
4.9%	21,429	21,241	-189	-0.9%
6.2%	21,215	21,133	-82	-0.4%
7.4%	21,166	20,867	-299	-1.4%
8.6%	21,059	20,846	-213	-1.0%
9.9%	20,890	20,775	-114	-0.5%
11.1%	20,856	20,192	-664	-3.2%
12.3%	20,647	20,166	-481	-2.3%
13.6%	20,473	20,058	-415	-2.0%
14.8%	20,448	19,991	-457	-2.2%
16.0%	20,218	19,815	-403	-2.0%
17.3%	19,056	19,277	221	1.2%
18.5%	18,859	18,924	66	0.3%
19.8%	18,795	18,563	-232	-1.2%
21.0%	18,792	18,350	-442	-2.4%
22.2%	18,426	18,175	-251	-1.4%
23.5%	18,160	18,110	-49	-0.3%
24.7%	16,562	16,582	20	0.1%
25.9%	16,204	16,201	-3	-0.0%
27.2%	15,858	15,858	0	0.0%
28.4%	15,648	15,846	198	1.3%
29.6%	15,549	15,793	244	1.6%
30.9%	14,097	11,750	-2,347	-16.6%
32.1%	13,419	11,570	-1,849	-13.8%
33.3%	12,930	11,112	-1,818	-14.1%
34.6%	12,912	10,914	-1,997	-15.5%
35.8%	12,822	10,764	-2,058	-16.0%
37.0%	12,663	10,603	-2,060	-16.3%
38.3%	12,053	10,040	-2,013	-16.7%
39.5%	12,034	9,778	-2,256	-18.7%
40.7%	11,878	9,328	-2,549	-21.5%
42.0%	11,731	9,311	-2,420	-20.6%
43.2%	11,593	8,953	-2,640	-22.8%
44.4%	10,914	8,941	-1,974	-18.1%
45.7%	9,419	8,873	-546	-5.8%
46.9%	8,980	8,801	-179	-2.0%
48.1%	9,075	8,732	-344	-3.8%
49.4%	8,994	8,242	-752	-8.4%
50.6%	8,662	7,992	-670	-7.8%
51.9%	8,614	7,942	-673	-7.8%
53.1%	8,101	7,785	-316	-3.9%
54.3%	8,015	7,642	-373	-4.6%
55.6%	7,949	7,590	-359	-4.5%
56.8%	7,752	7,557	-196	-2.5%
58.0%	7,724	7,322	-402	-5.2%
59.3%	7,547	7,302	-245	-3.2%
60.5%	7,533	7,296	-237	-3.1%
61.7%	7,475	7,183	-292	-3.9%
63.0%	7,105	6,960	-145	-2.0%
64.2%	6,785	6,890	106	1.6%
65.4%	6,616	6,867	250	3.8%
66.7%	6,399	6,689	290	4.5%
67.9%	6,393	6,674	281	4.4%
69.1%	6,356	6,632	276	4.3%
70.4%	6,281	6,498	217	3.5%
71.6%	6,231	6,495	263	4.2%
72.8%	6,049	6,341	293	4.8%
74.1%	5,995	6,327	333	5.5%
75.3%	5,980	6,173	194	3.2%
76.5%	5,889	6,124	236	4.0%
77.8%	5,850	6,100	250	4.3%
79.0%	5,758	6,031	274	4.8%
80.2%	5,716	6,011	295	5.2%
81.5%	5,676	5,887	212	3.7%
82.7%	5,597	5,793	196	3.5%
84.0%	5,586	5,761	175	3.1%
85.2%	5,542	5,718	176	3.2%
86.4%	5,438	5,586	148	

Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,349	24,911	562	2.3%
1.2%	24,275	24,252	-23	-0.1%
2.5%	23,750	23,919	169	0.7%
3.7%	23,248	23,250	2	0.0%
4.9%	23,028	22,972	-56	-0.2%
6.2%	22,984	22,957	-27	-0.1%
7.4%	22,882	22,877	-5	0.0%
8.6%	22,591	22,876	284	0.4%
9.9%	22,479	22,459	-20	-0.1%
11.1%	22,417	22,354	-63	-0.3%
12.3%	22,269	22,220	-49	-0.2%
13.6%	22,202	22,046	-156	-0.7%
14.8%	22,093	21,882	-210	-1.0%
16.0%	21,522	21,417	-104	-0.5%
17.3%	21,506	21,292	-214	-1.0%
18.5%	21,420	21,269	-151	-0.7%
19.8%	21,370	21,263	-108	-0.5%
21.0%	21,367	21,200	-168	-0.8%
22.2%	21,245	21,146	-99	-0.5%
23.5%	21,229	20,992	-238	-1.1%
24.7%	21,221	20,982	-239	-1.1%
25.9%	20,906	20,899	-8	0.0%
27.2%	20,816	20,805	-12	-0.1%
28.4%	20,770	20,765	-5	0.0%
29.6%	20,721	20,723	2	0.1%
30.9%	20,699	19,930	-770	-3.7%
32.1%	20,590	19,722	-868	-4.2%
33.3%	20,440	19,691	-749	-3.7%
34.6%	20,147	19,609	-537	-2.7%
35.8%	20,093	19,440	-653	-3.2%
37.0%	19,929	19,319	-610	-3.1%
38.3%	19,751	19,299	-452	-2.3%
39.5%	19,742	19,164	-578	-2.9%
40.7%	19,712	18,746	-966	-4.9%
42.0%	19,356	18,341	-1,014	-5.2%
43.2%	18,429	17,806	-624	-3.4%
44.4%	18,429	17,122	-1,307	-7.1%
45.7%	18,046	15,819	-2,227	-12.3%
46.9%	17,673	15,643	-2,030	-11.5%
48.1%	17,333	15,316	-2,017	-11.6%
49.4%	17,101	15,315	-1,786	-10.4%
50.6%	16,198	14,566	-1,633	-10.1%
51.9%	15,977	13,518	-2,460	-15.4%
53.1%	15,337	13,289	-2,048	-13.4%
54.3%	13,929	11,278	-2,651	-19.0%
55.6%	13,884	11,245	-2,639	-19.0%
56.8%	13,765	11,152	-2,614	-19.0%
58.0%	13,487	10,969	-2,518	-18.7%
59.3%	13,474	10,775	-2,699	-20.0%
60.5%	12,628	10,319	-2,309	-18.3%
61.7%	12,567	9,843	-2,723	-21.7%
63.0%	12,432	9,604	-2,828	-22.7%
64.2%	11,717	9,331	-2,387	-20.4%
65.4%	11,510	9,164	-2,346	-20.4%
66.7%	11,481	8,683	-2,798	-24.4%
67.9%	11,349	8,278	-3,071	-27.1%
69.1%	11,239	8,249	-2,990	-26.6%
70.4%	10,981	8,248	-2,733	-24.9%
71.6%	10,816	8,239	-2,577	-23.8%
72.8%	10,211	8,114	-2,096	-20.5%
74.1%	9,982	7,805	-2,177	-21.8%
75.3%	9,294	7,580	-1,714	-18.4%
76.5%	8,775	7,528	-1,247	-14.2%
77.8%	8,646	7,351	-1,295	-15.0%
79.0%	8,180	7,313	-867	-10.6%
80.2%	7,795	7,196	-598	-7.7%
81.5%	7,574	7,023	-552	-7.3%
82.7%	7,571	6,875	-696	-9.2%
84.0%	7,283	6,515	-768	-10.6%
85.2%	7,186	6,578	-608	-8.5%
86.4%	6,811	6,366	-445	-6.5%
87.7%	6,728	5,735	-992	-14.8%
88.9%	6,479	5,669	-810	-12.5%
90.1%	6,428	5,592	-836	-13.0%
91.4%	6,402	5,324	-1,078	-16.8%
92.6%	6,067	5,296	-771	-12.7%
93.8%	6,000	5,114	-886	-14.8%
95.1%	5,432	5,046	-387	-7.1%
96.3%	5,017	5,000	-17	-0.3%
97.5%	4,936	5,000	64	1.3%
98.8%	4,705	5,000	295	6.3%
100.0%	4,144	4,758	614	14.8%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,113	24,365	252	1.0%
1.2%	23,715	23,546	-169	-0.7%
2.5%	23,230	23,135	-96	-0.4%
3.7%	22,671	22,257	-414	-1.8%
4.9%	22,245	21,934	-311	-1.4%
6.2%	21,912	21,566	-347	-1.6%
7.4%	21,867	21,545	-323	-1.5%
8.6%	21,556	21,468	-88	-0.4%
9.9%	21,555	21,577	223	1.1%
11.1%	21,331	21,217	-114	-0.5%
12.3%	21,314	20,960	-353	-1.7%
13.6%	20,907	20,892	-14	-0.1%
14.8%	20,733	20,698	-34	-0.2%
16.0%	20,636	20,572	-64	-0.3%
17.3%	20,598	20,270	-328	-1.6%
18.5%	20,284	20,232	-52	-0.3%
19.8%	20,214	20,062	-152	-0.8%
21.0%	20,089	19,688	-402	-2.1%
22.2%	20,068	19,625	-443	-2.2%
23.5%	19,835	19,593	-242	-1.2%
24.7%	19,603	19,464	-139	-0.7%
25.9%	19,542	19,280	-262	-1.3%
27.2%	19,458	18,667	-791	-4.1%
28.4%	19,343	18,120	-1,223	-6.3%
29.6%	19,273	18,577	-696	-3.6%
30.9%	18,026	16,163	-1,863	-10.3%
32.1%	17,698	15,853	-1,846	-10.4%
33.3%	17,577	15,834	-1,743	-9.9%
34.6%	17,089	15,741	-1,348	-7.9%
35.8%	17,035	15,355	-1,680	-9.9%
37.0%	17,022	15,150	-1,873	-11.0%
38.3%	16,651	14,472	-2,179	-13.1%
39.5%	15,885	13,644	-2,241	-14.1%
40.7%	15,878	12,997	-2,881	-18.1%
42.0%	15,827	12,637	-3,190	-20.2%
43.2%	15,666	12,647	-3,019	-19.3%
44.4%	15,579	12,216	-3,363	-21.6%
45.7%	15,564	11,611	-3,954	-25.4%
46.9%	14,937	11,514	-3,423	-22.9%
48.1%	14,802	11,311	-3,471	-23.8%
49.4%	14,566	10,106	-4,460	-30.6%
50.6%	14,556	9,303	-5,253	-36.1%
51.9%	13,553	9,607	-3,946	-29.1%
53.1%	13,499	9,323	-4,176	-30.9%
54.3%	12,998	9,294	-3,704	-28.5%
55.6%	12,636	9,055	-3,581	-28.3%
56.8%	12,580	8,910	-3,670	-29.2%
58.0%	12,523	8,900	-3,623	-28.9%
59.3%	11,842	8,895	-2,948	-24.9%
60.5%	11,304	8,842	-2,462	-21.8%
61.7%	11,137	8,680	-2,456	-22.1%
63.0%	10,226	8,609	-1,616	-15.8%
64.2%	10,138	8,543	-1,595	-15.7%
65.4%	9,960	8,519	-1,441	-14.5%
66.7%	9,841	8,194	-1,647	-16.7%
67.9%	9,657	7,946	-1,711	-17.7%
69.1%	9,628	7,859	-1,770	-18.4%
70.4%	9,591	7,653	-1,938	-19.9%
71.6%	9,438	7,553	-1,885	-20.0%
72.8%	9,385	7,356	-2,028	-21.6%
74.1%	9,381	7,340	-2,041	-21.8%
75.3%	8,922	7,332	-1,590	-17.8%
76.5%	8,860	7,280	-1,580	-17.8%
77.8%	8,830	7,162	-1,668	-18.9%
79.0%	8,763	6,776	-1,987	-22.7%
80.2%	8,705	6,715	-1,986	-22.8%
81.5%	8,047	6,691	-1,357	-16.9%
82.7%	7,888	6,624	-1,264	-16.0%
84.0%	7,753	6,602	-1,150	-14.9%
85.2%	7,538	6,602	-936	-13.7%
86.4%	7,521	6,482	-1,039	-13.8%
87.7%	7,280	6,420	-861	-11.8%
88.9%	6,576	6,405	-172	-2.6%
90.1%	6,171	6,266	95	1.5%
91.4%	6,168	6,643	475	7.7%
92.6%	6,028	6,138	110	1.8%
93.8%	5,588	5,778	190	3.4%
95.1%	5,493	5,706	213	3.9%
96.3%	5,340	5,581	241	4.5%
97.5%	5,249	5,428	179	3.4%
98.8%	5,274	5,274	0	0.0%
100.0%	4,496	4,937	441	9.8%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,472	-36	-0.2%
1.2%	21,105	21,098	-7	0.0%
2.5%	20,913	20,914	1	0.0%
3.7%	20,459	20,496	37	0.2%
4.9%	20,290	19,937	-353	-1.7%
6.2%	18,944	18,788	-156	-0.8%
7.4%	18,789	18,668	-121	-0.6%
8.6%	18,682	18,561	-121	-0.6%
9.9%	18,504	18,170	-334	-1.8%
11.1%	17,947	17,966	20	0.1%
12.3%	17,717	17,617	-100	-0.6%
13.6%	17,636	17,017	-619	-3.5%
14.8%	17,460	16,998	-462	-2.6%
16.0%	17,400	16,959	-441	-2.5%
17.3%	17,207	16,956	-251	-1.5%
18.5%	16,918	16,309	-609	-3.6%
19.8%	16,309	14,861	-1,447	-8.9%
21.0%	15,000	13,343	-1,657	-11.0%
22.2%	14,081	12,071	-2,010	-14.3%
23.5%	13,340	11,968	-1,372	-10.3%
24.7%	13,300	10,393	-2,906	-21.9%
25.9%	12,909	9,655	-3,254	-25.2%
27.2%	12,970	9,613	-3,357	-26.0%
28.4%	9,544	9,102	-443	-4.6%
29.6%	9,577	8,926	-651	-6.8%
30.9%	8,860	8,674	-187	-2.1%
32.1%	8,760	8,455	-305	-3.5%
33.3%	8,576	7,788	-788	-9.2%
34.6%	7,848	6,478	-1,370	-17.5%
35.8%	7,742	6,314	-1,428	-18.4%
37.0%	6,549	6,271	-278	-4.2%
38.3%	6,539	6,264	-275	-4.2%
39.5%	6,491	6,054	-437	-6.7%
40.7%	6,271	5,973	-298	-4.7%
42.0%	6,128	5,967	-161	-2.6%
43.2%	5,981	5,943	-38	-0.6%
44.4%	5,830	5,863	33	0.6%
45.7%	5,666	5,823	157	2.8%
46.9%	5,648	5,753	105	1.9%
48.1%	5,547	5,545	-3	0.0%
49.4%	5,545	5,495	-50	-0.9%
50.6%	5,482	5,482	0	0.0%
51.9%	5,459	5,459	0	0.0%
53.1%	5,439	5,456	17	0.3%
54.3%	5,368	5,439	72	1.3%
55.6%	5,340	5,427	88	1.6%
56.8%	5,333	5,420	87	1.6%
58.0%	5,368	5,400	32	0.6%
59.3%	5,206	5,340	134	2.6%
60.5%	5,244	5,308	64	1.2%
61.7%	5,232	5,276	44	0.8%
63.0%	5,205	5,272	67	1.3%
64.2%	5,195	5,244	49	0.9%
65.4%	5,161	5,232	71	1.4%
66.7%	5,146	5,195	49	1.0%
67.9%	5,039	5,161	122	2.4%
69.1%	5,030	5,156	126	2.5%
70.4%	4,927	5,146	219	4.4%
71.6%	4,920	5,145	225	4.6%
72.8%	4,896	5,039	143	2.9%
74.1%	4,851	4,896	46	0.9%
75.3%	4,783	4,851	68	1.4%
76.5%	4,695	4,783	88	1.9%
77.8%	4,609	4,673	64	1.4%
79.0%	4,603	4,609	6	0.1%
80.				

Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,899	18,889	-11	-0.1%
1.2%	15,277	15,123	-154	-1.0%
2.5%	10,842	9,784	-1,058	-9.8%
3.7%	8,730	9,228	498	5.7%
4.9%	8,168	8,771	602	7.4%
6.2%	7,964	8,583	619	7.8%
7.4%	7,630	8,574	944	12.4%
8.6%	7,586	8,327	741	9.8%
9.9%	7,315	8,324	1,009	13.8%
11.1%	7,124	8,043	919	12.9%
12.3%	7,069	8,024	955	13.5%
13.6%	7,060	7,923	863	12.2%
14.8%	6,799	7,653	854	12.6%
16.0%	6,508	7,567	1,059	16.3%
17.3%	6,342	7,365	1,024	16.1%
18.5%	6,282	7,278	996	15.9%
19.8%	6,161	7,069	909	14.7%
21.0%	6,064	7,010	946	15.6%
22.2%	5,911	6,997	1,187	20.4%
23.5%	5,628	6,871	1,243	22.1%
24.7%	5,577	6,864	1,288	23.1%
25.9%	5,568	6,902	1,334	23.9%
27.2%	5,526	6,699	1,172	21.2%
28.4%	5,502	6,684	1,182	21.5%
29.6%	5,479	6,479	1,011	18.5%
30.9%	5,441	6,304	863	15.9%
32.1%	5,424	6,248	824	15.2%
33.3%	5,419	6,177	759	14.0%
34.6%	5,409	6,025	616	11.4%
35.8%	5,342	5,887	545	10.2%
37.0%	5,332	5,893	561	10.5%
38.3%	5,316	5,849	533	10.0%
39.5%	5,307	5,781	474	8.9%
40.7%	5,302	5,664	361	6.8%
42.0%	5,268	5,613	345	6.6%
43.2%	5,266	5,301	35	0.7%
44.4%	5,247	5,060	-300	-5.7%
45.7%	5,236	5,536	300	5.7%
46.9%	5,235	5,504	269	5.1%
48.1%	5,214	5,502	287	5.5%
49.4%	5,205	5,467	261	5.0%
50.6%	5,204	5,291	87	1.7%
51.9%	5,196	5,356	160	3.1%
53.1%	5,173	5,349	176	3.4%
54.3%	5,159	5,342	183	3.5%
55.6%	5,155	5,342	186	3.6%
56.8%	5,145	5,302	157	3.0%
58.0%	5,145	5,291	145	2.8%
59.3%	5,144	5,288	144	2.8%
60.5%	5,132	5,260	127	2.5%
61.7%	5,131	5,247	116	2.3%
63.0%	5,128	5,214	86	1.7%
64.2%	5,124	5,204	81	1.6%
65.4%	5,110	5,173	63	1.2%
66.7%	5,098	5,167	69	1.4%
67.9%	5,092	5,155	63	1.2%
69.1%	5,049	5,145	96	1.9%
70.4%	4,927	5,144	217	4.4%
71.6%	4,854	5,132	278	5.7%
72.8%	4,849	5,128	279	5.8%
74.1%	4,793	5,128	334	7.0%
75.3%	4,782	5,124	342	7.1%
76.5%	4,751	5,110	359	7.6%
77.8%	4,746	5,098	353	7.4%
79.0%	4,632	5,000	368	7.9%
80.2%	4,591	5,000	409	8.9%
81.5%	4,582	5,000	418	9.1%
82.7%	4,536	5,000	464	10.2%
84.0%	4,411	5,000	589	13.4%
85.2%	4,245	4,980	734	17.3%
86.4%	4,238	4,882	643	15.2%
87.7%	4,171	4,793	622	14.9%
88.9%	4,141	4,782	641	15.5%
90.1%	4,126	4,766	640	15.5%
91.4%	4,084	4,607	523	12.8%
92.6%	3,768	4,591	824	21.9%
93.8%	3,661	4,154	494	13.5%
95.1%	3,598	4,141	543	15.1%
96.3%	3,585	3,971	386	10.8%
97.5%	3,579	3,940	361	10.1%
98.8%	3,507	3,769	262	7.4%
100.0%	3,397	3,738	341	10.0%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,738	11,095	357	3.3%
1.2%	10,509	10,757	247	2.4%
2.5%	9,427	10,701	1,273	13.5%
3.7%	9,125	10,581	1,456	16.0%
4.9%	8,876	10,475	1,600	18.0%
6.2%	8,675	10,371	1,696	19.5%
7.4%	8,518	10,343	1,824	21.4%
8.6%	8,443	10,190	1,747	20.7%
9.9%	8,395	10,168	1,772	21.1%
11.1%	8,365	10,134	1,769	21.2%
12.3%	8,344	10,033	1,690	20.2%
13.6%	8,341	10,030	1,689	20.3%
14.8%	8,336	9,804	1,468	17.6%
16.0%	8,325	9,783	1,458	17.5%
17.3%	8,284	9,783	1,499	18.1%
18.5%	8,195	9,757	1,562	19.1%
19.8%	8,086	9,656	1,571	19.4%
21.0%	8,002	9,654	1,652	20.6%
22.2%	7,921	9,595	1,674	21.0%
23.5%	7,902	9,425	1,523	19.3%
24.7%	7,843	9,088	1,245	15.9%
25.9%	7,712	9,002	1,290	16.7%
27.2%	7,712	8,988	1,276	16.5%
28.4%	7,668	8,907	1,239	16.2%
29.6%	7,616	8,774	1,158	15.2%
30.9%	7,604	8,708	1,104	14.5%
32.1%	7,601	8,648	1,047	13.8%
33.3%	7,498	8,614	1,116	14.9%
34.6%	7,418	8,589	1,171	15.8%
35.8%	7,385	8,574	1,189	16.1%
37.0%	7,305	8,461	1,156	15.8%
38.3%	7,292	8,444	1,152	15.8%
39.5%	7,195	8,432	1,237	17.2%
40.7%	7,083	8,367	1,284	18.1%
42.0%	6,998	8,246	1,249	17.8%
43.2%	6,966	8,178	1,212	17.4%
44.4%	6,907	8,100	1,193	17.3%
45.7%	6,903	8,051	1,148	16.6%
46.9%	6,823	8,034	1,211	17.7%
48.1%	6,728	7,983	1,255	18.6%
49.4%	6,672	7,892	1,220	18.3%
50.6%	6,619	7,834	1,215	18.3%
51.9%	6,615	7,829	1,214	18.4%
53.1%	6,591	7,818	1,227	18.6%
54.3%	6,567	7,814	1,248	19.0%
55.6%	6,183	7,807	1,624	26.3%
56.8%	6,131	7,418	1,287	21.0%
58.0%	6,073	7,352	1,379	22.7%
59.3%	5,906	7,171	1,265	21.4%
60.5%	5,890	7,072	1,182	20.1%
61.7%	5,864	7,037	1,173	20.0%
63.0%	5,742	6,994	1,252	21.8%
64.2%	5,724	6,973	1,249	21.8%
65.4%	5,688	6,956	1,268	22.3%
66.7%	5,679	6,938	1,259	22.2%
67.9%	5,590	6,826	1,235	22.1%
69.1%	5,582	6,794	1,212	21.7%
70.4%	5,575	6,771	1,195	21.4%
71.6%	5,486	6,769	1,283	23.4%
72.8%	5,185	6,678	1,493	28.8%
74.1%	5,172	6,599	1,428	27.6%
75.3%	5,169	6,578	1,409	27.3%
76.5%	5,142	6,545	1,403	27.3%
77.8%	5,137	6,450	1,313	25.6%
79.0%	5,129	6,261	1,132	22.1%
80.2%	5,129	6,260	1,131	22.1%
81.5%	5,117	6,208	1,090	21.3%
82.7%	5,111	6,064	953	18.7%
84.0%	5,107	5,689	581	11.4%
85.2%	5,104	5,673	569	11.2%
86.4%	5,102	5,646	544	10.7%
87.7%	5,089	5,603	514	10.1%
88.9%	5,080	5,222	142	2.8%
90.1%	4,954	5,212	258	5.2%
91.4%	4,892	5,135	242	4.9%
92.6%	4,884	5,129	246	5.0%
93.8%	4,597	5,127	529	11.5%
95.1%	4,574	5,107	533	11.6%
96.3%	4,513	5,089	576	12.8%
97.5%	3,541	5,080	1,539	43.4%
98.8%	3,502	4,587	1,085	31.0%
100.0%	3,308	4,520	1,212	36.6%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,550	10,393	-157	-1.5%
1.2%	9,079	8,928	-151	-1.7%
2.5%	8,743	8,907	164	1.9%
3.7%	8,369	8,382	13	0.2%
4.9%	8,241	8,290	49	0.6%
6.2%	7,936	8,268	332	4.2%
7.4%	7,618	7,842	224	2.9%
8.6%	7,484	7,831	347	4.6%
9.9%	7,448	7,613	165	2.2%
11.1%	7,423	7,540	117	1.6%
12.3%	7,189	7,486	297	4.1%
13.6%	6,893	7,437	544	7.9%
14.8%	6,861	7,396	535	7.8%
16.0%	6,725	7,353	627	9.3%
17.3%	6,690	7,256	566	8.5%
18.5%	6,494	7,240	747	11.5%
19.8%	6,364	7,050	686	10.8%
21.0%	6,273	7,022	749	11.9%
22.2%	6,165	6,963	798	12.9%
23.5%	6,060	6,960	900	14.9%
24.7%	5,764	6,897	1,134	19.7%
25.9%	5,756	6,889	1,133	19.7%
27.2%	5,732	6,712	980	17.1%
28.4%	5,728	6,641	813	14.2%
29.6%	5,701	6,591	890	15.6%
30.9%	5,528	6,490	962	17.4%
32.1%	5,430	6,481	1,051	19.4%
33.3%	5,400	6,475	1,075	19.9%
34.6%	5,394	6,445	1,051	19.5%
35.8%	5,309	6,370	1,061	20.0%
37.0%	5,309	6,283	974	18.3%
38.3%	5,291	6,152	861	16.3%
39.5%	5,161	6,138	977	18.9%
40.7%	5,122	6,089	967	18.9%
42.0%	5,087	6,029	942	18.5%
43.2%	5,078	5,968	890	17.5%
44.4%	5,070	5,783	713	14.1%
45.7%	5,066	5,782	715	14.1%
46.9%	5,062	5,735	673	13.3%
48.1%	5,061	5,703	642	12.7%
49.4%	5,055	5,606	551	10.9%
50.6%	5,053	5,533	480	9.5%
51.9%	5,033	5,525	492	9.8%
53.1%	5,030	5,395	365	7.3%
54.3%	5,029	5,342	313	6.2%
55.6%	5,029	5,339	310	6.2%
56.8%	5,029	5,326	297	5.9%
58.0%	5,024	5,321	296	5.9%
59.3%	5,023	5,314	291	5.8%
60.5%	5,019	5,238	219	4.4%
61.7%	5,018	5,217	199	4.0%
63.0%	5,016	5,180	164	3.3%
64.2%	5,012	5,161	148	3.0%
65.4%	5,012	5,126	114	2.3%
66.7%	5,011	5,114	103	2.0%
67.9%	5,008	5,106	99	2.0%
69.1%	4,736	5,106	370	7.8%
70.4%	4,725	5,105	380	8.0%
71.6%	4,697	5,070	373	7.9%
72.8%	4,655	5,066	411	8.8%
74.1%	4,626	5,061	435	9.4%
75.3%	4,555	5,055	499	11.0%
76.5%	4,533	5,044	511	11.3%
77.8%	4,530	5,041	511	11.3%
79.0%	4,510	5,036	526	11.7%
80.2%	4,510	5,035	525	11.6%
81.5%	4,505	5,030	525	11.6%
82.7%	4,487	5,029	5	

Table SW-16-a  
Sacramento River at Verona, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	9,139	12,543	18,608	26,679	32,463	27,863	19,287	15,258	12,672	15,121	11,577	15,465
DCR 2015 With Project	9,579	12,886	17,999	25,494	31,311	26,447	18,913	15,146	12,819	15,896	12,048	16,360
Difference	440	343	-609	-1,185	-1,152	-1,416	-374	-112	148	775	471	896
Percent Difference <sup>2</sup>	4.8%	2.7%	-3.3%	-4.4%	-3.5%	-5.1%	-1.9%	-0.7%	1.2%	5.1%	4.1%	5.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	11,342	16,347	20,875	43,554	49,682	42,945	31,911	25,577	17,675	15,894	12,653	24,522
DCR 2015 With Project	11,217	16,643	20,199	42,718	49,126	42,108	31,550	25,412	18,082	16,002	12,503	24,445
Difference	-126	296	-675	-836	-556	-837	-360	-165	407	109	-150	-78
Percent Difference	-1.1%	1.8%	-3.2%	-1.9%	-1.1%	-1.9%	-1.1%	-0.6%	2.3%	0.7%	-1.2%	-0.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	10,601	15,957	19,154	31,948	39,064	36,829	21,625	16,345	12,999	17,406	14,012	18,805
DCR 2015 With Project	11,088	15,702	17,798	30,138	37,791	34,826	20,913	16,326	13,061	18,145	13,939	19,339
Difference	487	-255	-1,356	-1,810	-1,273	-2,003	-712	-19	62	739	-73	534
Percent Difference	4.6%	-1.6%	-7.1%	-5.7%	-3.3%	-5.4%	-3.3%	-0.1%	0.5%	4.2%	-0.5%	2.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	9,894	11,717	21,748	18,815	26,373	19,526	13,880	10,967	10,759	16,147	13,767	11,786
DCR 2015 With Project	11,020	12,485	21,277	16,987	25,373	17,296	13,293	10,520	10,615	17,323	13,678	12,457
Difference	1,126	768	-472	-1,829	-1,000	-2,229	-587	-447	-144	1,176	-89	671
Percent Difference	11.4%	6.6%	-2.2%	-9.7%	-3.8%	-11.4%	-4.2%	-4.1%	-1.3%	7.3%	-0.6%	5.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,744	9,524	17,820	14,372	19,949	17,362	10,601	8,702	10,028	15,177	9,409	9,001
DCR 2015 With Project	7,551	10,134	17,755	13,530	18,210	15,430	10,331	8,899	9,897	16,595	10,897	11,212
Difference	807	610	-65	-842	-1,739	-1,932	-271	197	-130	1,418	1,488	2,211
Percent Difference	12.0%	6.4%	-0.4%	-5.9%	-8.7%	-11.1%	-2.6%	2.3%	-1.3%	9.3%	15.8%	24.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,615	6,379	10,671	12,485	14,432	11,698	8,932	6,651	7,703	9,878	7,505	6,487
DCR 2015 With Project	5,882	6,523	9,975	11,401	12,813	11,341	8,962	6,490	8,131	10,700	8,994	8,143
Difference	267	144	-696	-1,084	-1,620	-358	30	-161	428	823	1,489	1,656
Percent Difference	4.8%	2.3%	-6.5%	-8.7%	-11.2%	-3.1%	0.3%	-2.4%	5.6%	8.3%	19.8%	25.5%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

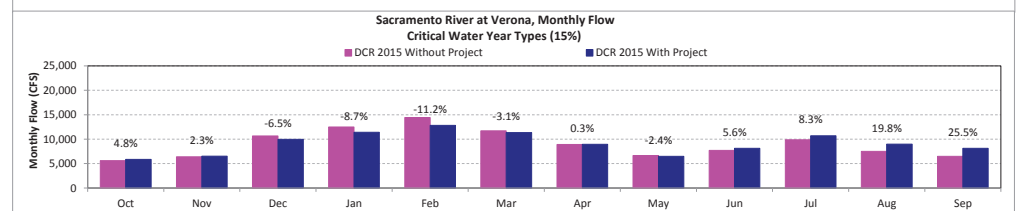
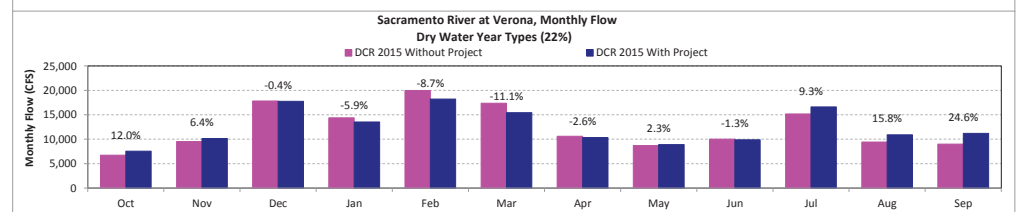
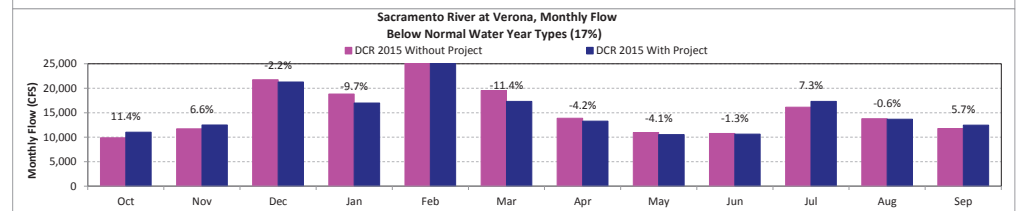
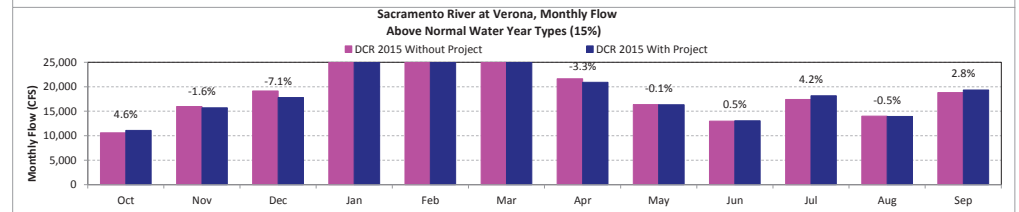
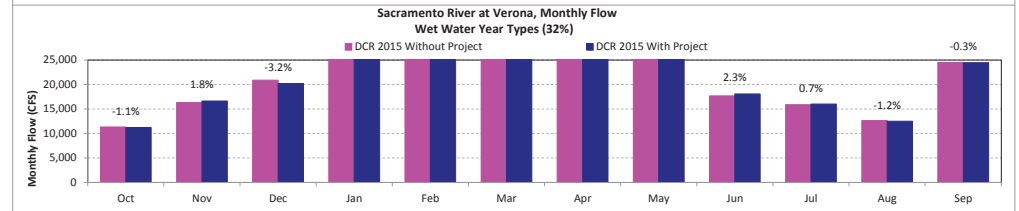
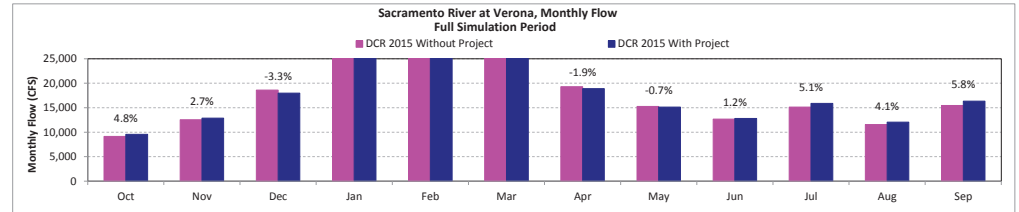


Figure SW-16-b  
 Sacramento River at Verona, Monthly Flow  
 Probability of Exceedance

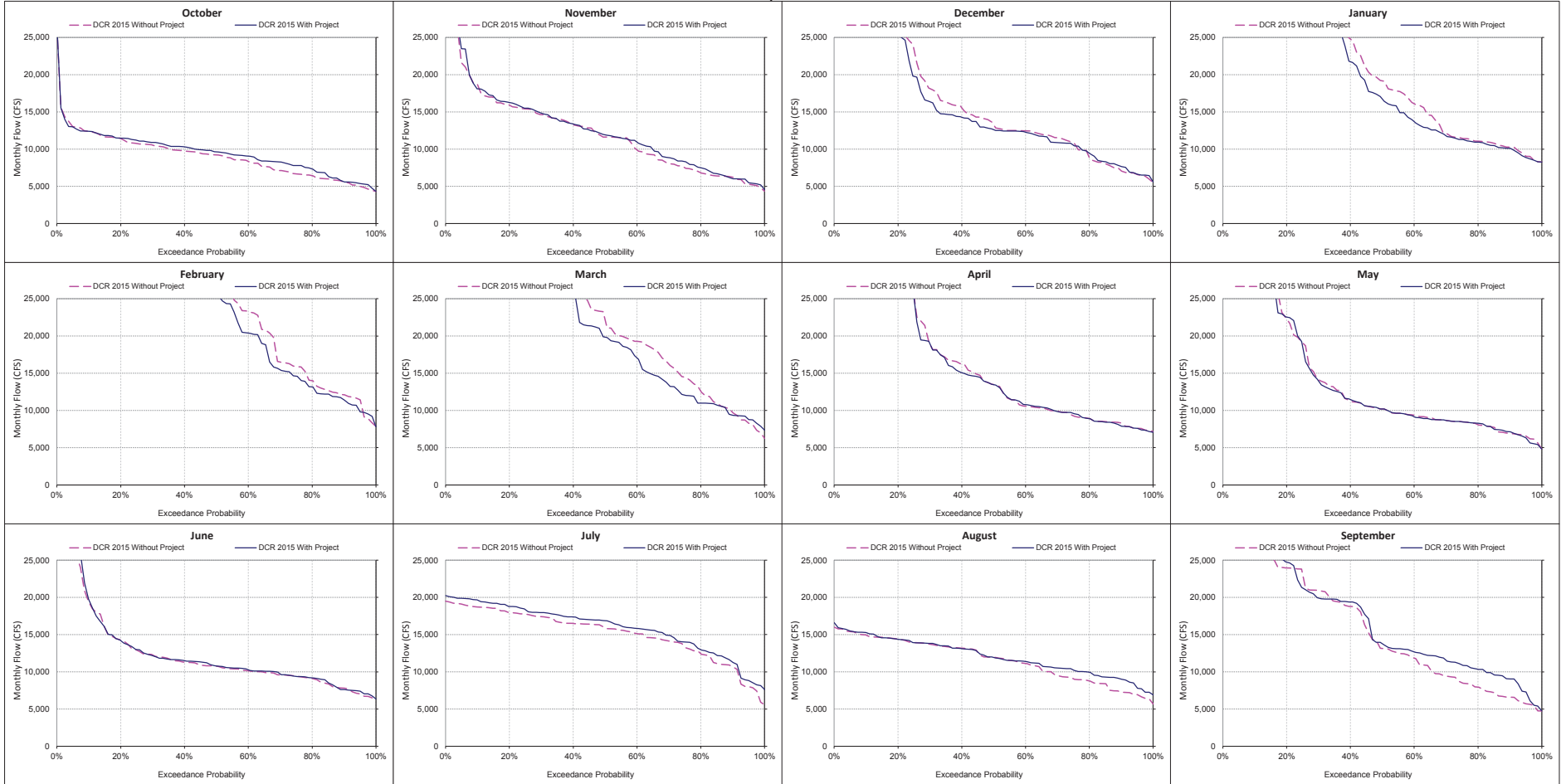


Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	October			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,508	26,727	220	0.8%
1.2%	15,599	15,553	-47	-0.3%
2.5%	14,357	13,955	-402	-2.8%
3.7%	13,727	13,053	-674	-4.9%
4.9%	13,030	12,993	-38	-0.3%
6.2%	12,954	12,679	-275	-2.1%
7.4%	12,837	12,444	-393	-3.1%
8.6%	12,444	12,433	-11	-0.1%
9.9%	12,391	12,408	17	0.1%
11.1%	12,287	12,367	80	0.7%
12.3%	12,171	12,154	-18	-0.1%
13.6%	11,873	12,006	134	1.1%
14.8%	11,651	11,840	189	1.6%
16.0%	11,619	11,810	191	1.6%
18.5%	11,529	11,501	-27	-0.2%
19.8%	11,465	11,470	5	0.0%
21.0%	11,202	11,466	263	2.4%
22.2%	10,882	11,420	539	4.9%
23.5%	10,833	11,280	447	4.1%
24.7%	10,774	11,217	443	4.1%
25.9%	10,681	11,094	414	3.9%
27.2%	10,681	11,079	398	3.7%
28.4%	10,626	10,952	326	3.1%
29.6%	10,589	10,913	324	3.1%
30.9%	10,412	10,888	477	4.6%
32.1%	10,377	10,779	402	3.9%
33.3%	10,310	10,691	381	3.7%
34.6%	10,124	10,493	370	3.7%
35.8%	9,909	10,377	467	4.7%
37.0%	9,866	10,368	502	5.1%
38.3%	9,837	10,363	526	5.3%
39.5%	9,796	10,340	544	5.5%
40.7%	9,713	10,262	549	5.7%
42.0%	9,663	10,134	471	4.9%
43.2%	9,569	10,069	499	5.2%
44.4%	9,516	9,947	431	4.5%
45.7%	9,373	9,896	523	5.6%
46.9%	9,338	9,838	500	5.4%
48.1%	9,258	9,835	576	6.2%
49.4%	9,233	9,633	401	4.3%
50.6%	9,208	9,604	397	4.3%
51.9%	9,094	9,557	463	5.1%
53.1%	8,893	9,454	561	6.3%
54.3%	8,822	9,339	517	5.9%
55.6%	8,572	9,207	636	7.4%
56.8%	8,556	9,190	634	7.4%
58.0%	8,553	9,182	629	7.3%
59.3%	8,499	9,082	583	6.9%
60.5%	8,249	9,049	800	9.7%
61.7%	8,114	8,931	817	10.1%
63.0%	8,112	8,561	449	5.5%
64.2%	7,890	8,419	739	9.6%
65.4%	7,669	8,414	745	9.7%
66.7%	7,592	8,378	786	10.3%
67.9%	7,231	8,312	1,082	15.0%
69.1%	7,126	8,302	1,177	16.5%
70.4%	7,126	8,250	1,126	15.8%
71.6%	7,028	8,108	1,080	15.4%
72.8%	6,932	7,960	1,028	14.8%
74.1%	6,716	7,810	1,095	16.3%
75.3%	6,664	7,786	1,122	16.8%
76.5%	6,612	7,780	1,168	17.7%
77.8%	6,528	7,532	1,004	15.4%
79.0%	6,521	7,491	970	14.9%
80.2%	6,421	7,288	867	13.5%
81.5%	6,123	6,898	775	12.7%
82.7%	6,067	6,863	796	13.1%
84.0%	6,020	6,819	799	13.3%
85.2%	5,990	6,288	298	4.9%
86.4%	5,865	6,124	259	4.4%
87.7%	5,821	6,101	281	4.8%
88.9%	5,757	6,021	264	4.6%
90.1%	5,522	5,584	62	1.1%
91.4%	5,479	5,576	97	1.8%
92.6%	5,177	5,558	381	7.4%
93.8%	5,169	5,482	314	6.1%
95.1%	4,989	5,369	380	7.6%
96.3%	4,845	5,296	451	9.3%
97.5%	4,628	5,236	608	13.1%
98.8%	4,462	4,741	279	6.2%
100.0%	4,314	4,349	35	0.8%

Percent Exceedance Probability	November			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,745	42,044	299	0.7%
1.2%	40,642	40,727	85	0.2%
2.5%	27,544	27,803	259	0.9%
3.7%	26,334	27,022	688	2.6%
4.9%	21,617	23,489	1,872	8.7%
6.2%	21,045	23,452	2,408	11.4%
7.4%	19,977	19,983	7	0.0%
8.6%	18,939	18,901	-38	-0.2%
9.9%	18,759	18,115	-644	-3.6%
11.1%	17,481	18,064	583	3.3%
12.3%	17,155	17,777	622	3.6%
13.6%	16,996	17,300	304	1.8%
14.8%	16,985	17,161	176	1.0%
16.0%	16,224	16,602	378	2.3%
18.5%	16,031	16,408	377	2.4%
19.8%	15,977	16,298	321	2.0%
21.0%	15,881	16,189	488	3.1%
22.2%	15,625	16,005	380	2.4%
23.5%	15,478	15,854	376	2.4%
24.7%	15,414	15,502	89	0.6%
25.9%	15,381	15,492	111	0.7%
27.2%	15,357	15,347	-10	-0.1%
28.4%	14,832	15,111	279	1.9%
29.6%	14,544	14,544	0	0.0%
30.9%	14,619	14,699	80	0.5%
32.1%	14,364	14,625	262	1.8%
33.3%	14,198	14,163	-35	-0.2%
34.6%	14,082	14,138	55	0.4%
35.8%	14,029	13,770	-259	-1.8%
37.0%	13,879	13,746	-132	-1.0%
38.3%	13,667	13,532	-136	-1.0%
39.5%	13,295	13,441	146	1.1%
40.7%	13,190	13,299	109	0.8%
42.0%	13,069	13,183	114	0.9%
43.2%	13,046	13,171	125	1.0%
44.4%	12,856	12,692	-164	-1.3%
45.7%	12,821	12,468	-353	-2.8%
46.9%	12,205	12,383	179	1.5%
48.1%	11,950	12,167	217	1.8%
49.4%	11,626	11,960	334	2.9%
50.6%	11,525	11,860	335	2.9%
51.9%	11,624	11,799	174	1.5%
53.1%	11,594	11,635	41	0.4%
54.3%	11,552	11,577	25	0.2%
55.6%	11,543	11,443	-100	-0.9%
56.8%	11,517	11,378	-139	-1.2%
58.0%	10,924	11,193	270	2.5%
59.3%	10,153	11,191	1,038	10.2%
60.5%	9,721	10,799	1,078	11.1%
61.7%	9,623	10,561	938	9.7%
63.0%	9,351	10,398	1,047	11.2%
64.2%	9,276	10,315	1,039	11.2%
65.4%	9,234	9,724	490	5.3%
66.7%	8,561	9,641	1,080	12.6%
67.9%	8,513	9,000	487	5.7%
69.1%	8,199	8,907	709	8.6%
70.4%	8,022	8,832	810	10.1%
71.6%	7,969	8,697	728	9.1%
72.8%	7,759	8,407	648	8.4%
74.1%	7,742	8,387	644	8.3%
75.3%	7,413	8,296	883	11.9%
76.5%	7,370	7,945	575	7.8%
77.8%	7,206	7,891	684	9.5%
79.0%	7,023	7,572	549	7.8%
80.2%	6,780	7,480	700	10.3%
81.5%	6,674	7,339	665	10.0%
82.7%	6,534	7,056	522	8.0%
84.0%	6,446	6,771	325	5.0%
85.2%	6,391	6,680	289	4.5%
86.4%	6,377	6,536	160	2.5%
87.7%	6,347	6,409	62	1.0%
88.9%	6,321	6,202	-119	-1.9%
90.1%	6,210	6,029	-181	-2.9%
91.4%	6,032	6,039	7	0.1%
92.6%	5,910	5,963	54	0.9%
93.8%	5,361	5,962	601	11.2%
95.1%	5,279	5,466	187	3.5%
96.3%	5,197	5,415	217	4.2%
97.5%	5,106	5,317	211	4.1%
98.8%	4,787	4,787	0	0.0%
100.0%	4,350	4,537	187	4.3%

Percent Exceedance Probability	December			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,193	61,789	-404	-0.7%
1.2%	53,845	54,398	553	1.0%
2.5%	51,835	49,431	-2,405	-4.6%
3.7%	50,159	49,038	-1,123	-2.2%
4.9%	49,546	45,967	-3,579	-7.2%
6.2%	45,983	45,630	-353	-0.8%
7.4%	45,182	44,694	-488	-1.1%
8.6%	40,832	39,793	-1,040	-2.5%
9.9%	39,825	38,607	-1,219	-3.1%
11.1%	38,971	37,037	-1,934	-5.0%
12.3%	34,209	34,281	71	0.2%
13.6%	33,785	33,991	207	0.6%
14.8%	31,718	32,501	783	2.5%
16.0%	31,217	30,418	-799	-2.6%
18.5%	28,553	28,594	41	0.1%
19.8%	27,354	27,696	342	1.2%
21.0%	26,827	25,013	-1,814	-3.2%
22.2%	25,245	24,615	-630	-2.5%
23.5%	24,756	24,604	-152	-0.6%
24.7%	24,044	19,806	-4,238	-17.6%
25.9%	21,554	19,660	-1,894	-8.8%
27.2%	19,786	17,347	-2,439	-12.3%
28.4%	19,179	16,616	-2,563	-13.4%
29.6%	18,212	16,433	-1,779	-9.8%
30.9%	17,968	16,199	-1,770	-9.8%
32.1%	17,659	15,201	-2,458	-13.9%
33.3%	16,547	14,735	-1,812	-11.0%
34.6%	16,398	14,724	-1,675	-10.2%
35.8%	16,190	14,656	-1,534	-9.5%
37.0%	15,957	14,622	-1,335	-8.4%
38.3%	15,856	14,395	-1,461	-9.2%
39.5%	15,835	14,359	-1,476	-9.3%
40.7%	15,151	14,190	-961	-6.3%
42.0%	14,681	14,139	-542	-3.7%
43.2%	14,711	13,614	-1,097	-7.5%
44.4%	14,306	13,713	-593	-4.1%
45.7%	14,303	12,972	-1,331	-9.3%
46.9%	14,108	12,954	-1,153	-8.2%
48.1%	13,961	12,817	-1,144	-8.2%
49.4%	13,634	12,715	-919	-6.7%
50.6%	13,335	12,509	-826	-6.2%
51.9%	12,742	12,501	-241	-1.9%
53.1%	12,627	12,450	-177	-1.4%
54.3%	12,507	12,450	-57	-0.5%
55.6%	12,501	12,437	-64	-0.5%
56.8%	12,500	12,424	-76	-0.6%
58.0%	12,487	12,386	-101	-0.8%
59.3%	12,455	12,369	-86	-0.7%
60.5%	12,450	12,226	-224	-1.8%
61.7%	12,435	12,111	-324	-2.6%
63.0%	12,224	11,918	-306	-2.5%
64.2%	12,077	11,752	-326	-2.7%
65.4%	11,941	11,724	-219	-1.8%
66.7%	11,917	11,648	-269	-2.3%
67.9%	11,765	10,919	-847	-7.2%
69.1%	11,553	10,884	-670	-5.8%
70.4%	11,529	10,875	-654	-5.7%
71.6%	11,380	10,937	-443	-3.9%
72.8%	11,173	10,801	-372	-3.3%
74.1%	11,093	10,794	-299	-2.7%
75.3%	10,747	10,423	-324	-3.0%
76.5%	9,911	10,404	493	5.0%
77.8%	9,840	9,861	21	0.2%
79.0%	9,831	9,747	-84	-0.9%
80.2%	8,598	9,358	760	8.8%
81.5%	8,416	9,049	633	7.5%
82.7%	8,240	8,474	234	2.8%
84.0%	8,236	8,368	131	1.6%
85.2%	8,010	8,300	290	3.



Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,374	72,621	248	0.3%
1.2%	65,798	66,008	210	0.3%
2.5%	63,829	64,379	550	0.9%
3.7%	63,225	63,216	-8	0.0%
4.9%	61,008	60,977	-31	-0.1%
6.2%	60,295	60,435	140	0.2%
7.4%	59,902	59,913	11	0.0%
8.6%	59,043	58,462	-581	-1.0%
9.9%	58,518	58,180	-338	-0.6%
11.1%	58,264	58,165	-99	-0.2%
12.3%	57,476	57,598	122	0.2%
13.6%	56,679	56,393	-286	-0.5%
14.8%	56,349	56,180	-170	-0.3%
16.0%	55,960	55,944	-16	0.0%
17.3%	55,612	54,568	-1,044	-1.9%
18.5%	54,870	54,302	-568	-1.0%
19.8%	53,000	51,512	-1,488	-2.8%
21.0%	49,607	47,435	-2,172	-4.4%
22.2%	47,634	45,869	-1,765	-3.7%
23.5%	46,146	45,617	-529	-1.1%
24.7%	45,130	45,121	-9	0.0%
25.9%	45,081	44,342	-739	-1.6%
27.2%	44,816	43,594	-1,222	-2.7%
28.4%	43,619	42,785	-834	-1.9%
29.6%	43,322	41,944	-1,378	-3.2%
30.9%	42,525	41,111	-1,413	-3.3%
32.1%	41,649	40,984	-665	-1.6%
33.3%	41,310	39,835	-1,475	-3.6%
34.6%	40,938	38,930	-2,008	-4.9%
35.8%	39,804	38,858	-946	-2.4%
37.0%	39,778	38,828	-950	-2.4%
38.3%	39,651	38,308	-1,343	-3.4%
39.5%	38,206	37,810	-396	-1.0%
40.7%	37,249	36,886	-363	-1.0%
42.0%	35,126	34,739	-387	-1.1%
43.2%	34,895	34,095	-800	-2.3%
44.4%	34,044	31,562	-2,481	-7.3%
45.7%	32,881	30,343	-2,538	-7.7%
46.9%	31,592	30,075	-1,517	-4.8%
48.1%	31,548	27,676	-3,872	-12.3%
49.4%	29,075	25,998	-3,077	-11.6%
50.6%	28,759	25,432	-3,327	-11.6%
51.9%	26,976	24,720	-2,257	-8.4%
53.1%	26,636	24,343	-2,293	-8.6%
54.3%	26,277	24,336	-1,941	-7.4%
55.6%	24,816	23,223	-1,592	-6.4%
56.8%	24,368	21,753	-2,615	-10.7%
58.0%	23,408	20,483	-2,924	-12.5%
59.3%	23,380	20,439	-2,941	-12.6%
60.5%	23,208	20,366	-2,842	-12.2%
61.7%	23,097	20,230	-2,868	-12.4%
63.0%	22,780	20,189	-2,591	-11.4%
64.2%	20,879	18,998	-1,881	-9.0%
65.4%	20,785	18,835	-1,950	-9.4%
66.7%	20,397	16,530	-3,867	-19.0%
67.9%	19,807	15,845	-3,962	-20.0%
69.1%	16,582	15,644	-938	-5.7%
70.4%	16,467	15,367	-1,100	-6.7%
71.6%	16,403	15,256	-1,147	-7.0%
72.8%	16,278	15,206	-1,073	-6.6%
74.1%	15,963	14,643	-1,320	-8.3%
75.3%	15,882	14,571	-1,312	-8.3%
76.5%	15,845	14,027	-1,818	-11.5%
77.8%	15,243	13,901	-1,342	-8.8%
79.0%	14,068	13,181	-887	-6.3%
80.2%	13,993	13,170	-824	-5.9%
81.5%	13,260	12,314	-946	-7.1%
82.7%	13,011	12,231	-780	-6.0%
84.0%	12,839	12,208	-631	-4.9%
85.2%	12,665	12,195	-469	-3.7%
86.4%	12,462	11,864	-598	-4.8%
87.7%	12,373	11,851	-522	-4.2%
88.9%	12,159	11,729	-430	-3.5%
90.1%	12,109	11,364	-745	-6.2%
91.4%	11,866	10,967	-899	-7.6%
92.6%	11,788	10,748	-1,040	-8.8%
93.8%	11,659	10,692	-967	-8.3%
95.1%	11,428	10,818	-610	-5.3%
96.3%	9,116	8,723	-393	-4.3%
97.5%	8,906	9,522	616	6.9%
98.8%	8,346	9,195	849	10.0%
100.0%	7,857	7,815	-42	-0.5%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	68,990	69,866	876	1.3%
1.2%	67,755	66,991	-763	-1.1%
2.5%	62,777	62,664	-113	-0.3%
3.7%	60,485	59,747	-738	-1.2%
4.9%	58,915	58,860	-55	-0.1%
6.2%	58,587	56,614	-2,243	-3.8%
7.4%	58,042	56,421	-1,620	-2.8%
8.6%	56,262	56,244	-17	0.0%
9.9%	54,178	55,211	32	0.1%
11.1%	52,614	52,631	17	0.0%
12.3%	52,179	52,156	-23	0.0%
13.6%	50,818	51,374	556	1.1%
14.8%	48,879	48,972	93	0.2%
16.0%	48,579	48,570	-9	0.0%
17.3%	47,733	47,737	4	0.0%
18.5%	47,651	47,640	-11	0.0%
19.8%	46,238	43,460	-2,778	-6.0%
21.0%	43,882	42,476	-1,206	-2.8%
22.2%	41,341	42,060	719	1.7%
23.5%	41,121	37,989	-3,132	-7.6%
24.7%	39,107	37,732	-1,374	-3.5%
25.9%	36,788	35,374	-1,413	-3.8%
27.2%	36,346	34,183	-2,163	-6.0%
28.4%	35,523	32,898	-2,625	-7.4%
29.6%	34,194	32,022	-2,172	-6.3%
30.9%	32,611	31,312	-1,299	-4.0%
32.1%	32,446	30,825	-1,621	-5.0%
33.3%	31,355	30,720	-635	-2.0%
34.6%	31,024	30,152	-872	-2.8%
35.8%	30,751	29,870	-882	-2.9%
37.0%	30,696	28,502	-2,193	-7.1%
38.3%	30,256	26,822	-3,334	-11.0%
39.5%	29,592	25,777	-3,815	-12.9%
40.7%	28,554	25,089	-3,464	-12.1%
42.0%	26,714	21,835	-4,879	-18.3%
43.2%	26,060	21,568	-4,492	-17.2%
44.4%	24,809	21,389	-3,420	-13.8%
45.7%	23,594	21,377	-2,217	-9.4%
46.9%	23,438	21,230	-2,208	-9.4%
48.1%	23,334	21,053	-2,280	-9.8%
49.4%	23,268	19,894	-3,374	-14.5%
50.6%	22,432	19,787	-2,645	-11.8%
51.9%	21,066	19,368	-1,698	-8.1%
53.1%	20,305	19,264	-1,041	-5.1%
54.3%	20,069	19,165	-904	-4.5%
55.6%	19,932	18,609	-1,323	-6.6%
56.8%	19,715	18,477	-1,238	-6.3%
58.0%	19,505	18,170	-1,335	-6.8%
59.3%	19,300	17,378	-1,922	-10.0%
60.5%	19,274	16,874	-2,400	-12.5%
61.7%	19,187	15,505	-3,682	-19.2%
63.0%	18,786	15,184	-3,601	-19.2%
64.2%	18,509	14,959	-3,550	-19.2%
65.4%	18,190	14,725	-3,465	-19.1%
66.7%	17,793	14,601	-3,192	-17.9%
67.9%	17,047	14,210	-2,837	-16.6%
69.1%	16,627	13,819	-2,808	-16.9%
70.4%	16,046	13,242	-2,804	-17.5%
71.6%	15,679	13,180	-2,499	-15.9%
72.8%	15,141	12,732	-2,409	-15.9%
74.1%	14,551	12,165	-2,386	-16.4%
75.3%	14,440	12,009	-2,431	-16.8%
76.5%	14,076	11,970	-2,106	-15.0%
77.8%	13,589	11,922	-1,667	-12.3%
79.0%	13,278	10,997	-2,282	-17.2%
80.2%	12,442	10,983	-1,459	-11.7%
81.5%	11,969	10,968	-1,001	-8.4%
82.7%	11,870	10,954	-915	-7.7%
84.0%	11,177	10,909	-268	-2.4%
85.2%	10,913	10,704	-210	-1.9%
86.4%	10,576	10,547	-28	-0.3%
87.7%	10,395	10,413	18	0.2%
88.9%	10,246	9,484	-762	-7.4%
90.1%	9,869	9,351	-518	-5.3%
91.4%	9,599	9,343	-256	-2.7%
92.6%	8,732	9,281	549	6.3%
93.8%	8,718	9,253	535	6.1%
95.1%	8,267	8,784	517	6.3%
96.3%	8,087	8,730	643	8.0%
97.5%	7,329	8,263	934	12.7%
98.8%	7,000	7,500	500	7.1%
100.0%	6,258	7,356	1,098	17.5%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,571	59,565	-6	0.0%
1.2%	56,909	56,549	-360	-0.6%
2.5%	53,928	54,043	114	0.2%
3.7%	49,183	48,868	-315	-0.6%
4.9%	48,884	48,358	-525	-1.1%
6.2%	48,861	47,499	-1,361	-2.8%
7.4%	48,371	46,218	-2,153	-4.5%
8.6%	46,299	45,544	-755	-1.6%
9.9%	45,611	44,295	-1,316	-3.0%
11.1%	42,553	39,818	-2,735	-6.4%
12.3%	38,212	38,212	0	0.0%
13.6%	35,471	35,467	-4	0.0%
14.8%	34,080	32,626	-1,454	-4.3%
16.0%	33,158	32,357	-801	-2.4%
17.3%	32,630	31,208	-1,423	-4.4%
18.5%	32,534	30,431	-2,103	-6.5%
19.8%	32,063	30,212	-1,850	-5.8%
21.0%	29,780	29,011	-769	-2.6%
22.2%	29,004	28,541	-464	-1.6%
23.5%	28,408	27,071	-1,337	-4.7%
24.7%	26,425	26,486	61	0.2%
25.9%	22,542	21,901	-641	-2.8%
27.2%	22,026	19,472	-2,554	-11.6%
28.4%	21,430	19,406	-2,025	-9.4%
29.6%	19,293	19,293	0	0.0%
30.9%	18,178	18,130	-48	-0.3%
32.1%	18,170	18,121	-49	-0.3%
33.3%	17,477	17,477	0	0.0%
34.6%	17,206	17,122	-84	-0.5%
35.8%	16,757	16,065	-692	-4.1%
37.0%	16,684	15,888	-796	-4.7%
38.3%	16,572	15,410	-1,162	-7.0%
39.5%	16,290	15,140	-1,150	-7.1%
40.7%	16,267	14,973	-1,295	-8.0%
42.0%	15,413	14,760	-653	-4.2%
43.2%	14,498	14,068	-430	-3.0%
44.4%	14,506	14,603	-97	-0.7%
45.7%	14,717	14,452	-264	-1.8%
46.9%	13,937	13,941	4	0.0%
48.1%	13,379	13,759	380	2.8%
49.4%	13,533	13,533	0	0.0%
50.6%	13,428	13,428	0	0.0%
51.9%	13,209	13,037	-172	-1.3%
53.1%	12,235	12,314	79	0.6%
54.3%	11,660	11,778	118	1.0%
55.6%	11,448	11,440	-7	-0.1%
56.8%	11,405	11,407	2	0.0%
58.0%	10,760	11,246	486	4.5%
59.3%	10,594	10,795	201	1.9%
60.5%	10,547	10,760	214	2.0%
61.7%	10,503	10,668	164	1.6%
63.0%	10,426	10,547	120	1.2%
64.2%	10,367	10,506	140	1.3%
65.4%	10,328	10,429	101	1.0%
66.7%	10,181	10,332	151	1.5%
67.9%	9,982	10,183	202	2.0%
69.1%	9,964	9,967	3	0.0%
70.4%	9,862	9,808	-54	-0.5%
71.6%	9,751	9,749	-2	0.0%
72.8%	9,736	9,741	4	0.0%
74.1%	9,465	9,741	276	2.9%
75.3%	9,213	9,576	363	3.9%

Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,538	49,503	-35	-0.1%
1.2%	37,122	36,956	-167	-0.4%
2.5%	27,095	27,038	-57	-0.2%
3.7%	26,960	27,687	727	2.7%
4.9%	25,773	26,384	612	2.4%
6.2%	25,659	25,993	334	1.3%
7.4%	23,985	25,758	1,773	7.4%
8.6%	20,535	21,536	1,000	4.8%
9.9%	19,461	19,711	250	1.3%
11.1%	18,468	18,617	149	0.8%
12.3%	17,962	17,479	-483	-2.7%
13.6%	17,766	16,769	-996	-5.6%
14.8%	16,086	16,118	32	0.2%
16.0%	14,957	15,017	60	0.4%
17.3%	14,766	14,943	177	1.2%
18.5%	14,466	14,454	-12	-0.1%
19.8%	14,307	14,296	-11	-0.1%
21.0%	14,107	13,840	-267	-1.9%
22.2%	13,712	13,658	-54	-0.4%
23.5%	13,119	13,087	-32	-0.2%
24.7%	12,975	12,969	-6	-0.0%
25.9%	12,719	12,962	242	1.9%
27.2%	12,396	12,536	140	1.1%
28.4%	12,373	12,353	-20	-0.2%
29.6%	12,345	12,197	-148	-1.2%
30.9%	12,072	12,053	-19	-0.2%
32.1%	12,009	11,837	-171	-1.4%
33.3%	11,946	11,816	-130	-1.1%
34.6%	11,845	11,706	-139	-1.2%
35.8%	11,640	11,655	15	0.1%
37.0%	11,492	11,640	148	1.3%
38.3%	11,453	11,590	137	1.2%
39.5%	11,318	11,543	225	2.0%
40.7%	11,257	11,444	187	1.7%
42.0%	11,255	11,439	184	1.6%
43.2%	11,207	11,207	0	0.0%
44.4%	10,980	11,372	392	3.6%
45.7%	10,861	11,279	418	3.8%
46.9%	10,817	11,228	411	3.8%
48.1%	10,814	10,956	142	1.3%
49.4%	10,794	10,825	31	0.3%
50.6%	10,709	10,756	47	0.4%
51.9%	10,537	10,710	173	1.6%
53.1%	10,468	10,580	112	1.1%
54.3%	10,413	10,525	112	1.1%
55.6%	10,390	10,511	121	1.2%
56.8%	10,380	10,506	126	1.2%
58.0%	10,206	10,461	255	2.5%
59.3%	10,174	10,387	214	2.1%
60.5%	10,100	10,186	86	0.9%
61.7%	10,037	10,125	87	0.9%
63.0%	10,018	10,124	106	1.1%
64.2%	10,004	10,114	110	1.1%
65.4%	9,892	10,077	185	1.9%
66.7%	9,888	10,066	178	1.8%
67.9%	9,850	10,021	171	1.7%
69.1%	9,611	9,975	364	3.8%
70.4%	9,571	9,622	51	0.5%
71.6%	9,558	9,601	42	0.4%
72.8%	9,510	9,537	27	0.3%
74.1%	9,487	9,420	-67	-0.7%
75.3%	9,381	9,376	-5	-0.1%
76.5%	9,315	9,358	42	0.5%
77.8%	9,234	9,337	104	1.1%
79.0%	9,195	9,226	31	0.3%
80.2%	9,069	9,187	117	1.3%
81.5%	8,942	9,101	159	1.8%
82.7%	8,620	9,007	387	4.5%
84.0%	8,493	8,929	437	5.1%
85.2%	8,380	8,495	115	1.4%
86.4%	8,010	8,265	255	3.2%
87.7%	7,897	7,930	33	0.4%
88.9%	7,830	7,615	-214	-2.7%
90.1%	7,805	7,602	-203	-2.6%
91.4%	7,687	7,550	-137	-1.8%
92.6%	7,420	7,500	80	1.1%
93.8%	7,128	7,471	343	4.8%
95.1%	7,025	7,411	386	5.5%
96.3%	6,719	7,048	329	4.9%
97.5%	6,708	7,042	335	5.0%
98.8%	6,507	6,637	130	2.0%
100.0%	6,245	6,347	102	1.6%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,495	20,226	731	3.8%
1.2%	19,383	20,110	727	3.8%
2.5%	19,221	20,029	809	4.2%
3.7%	19,193	19,895	703	3.7%
4.9%	19,101	19,872	771	4.0%
6.2%	18,956	19,853	897	4.7%
7.4%	18,852	19,801	949	5.0%
8.6%	18,762	19,721	959	5.1%
9.9%	18,719	19,655	937	5.0%
11.1%	18,681	19,409	728	3.9%
12.3%	18,657	19,368	710	3.8%
13.6%	18,623	19,291	667	3.6%
14.8%	18,538	19,218	680	3.7%
16.0%	18,531	19,188	657	3.5%
17.3%	18,194	19,061	866	4.8%
18.5%	18,189	19,050	862	4.7%
19.8%	17,961	18,765	804	4.5%
21.0%	17,946	18,762	816	4.5%
22.2%	17,889	18,734	845	4.7%
23.5%	17,787	18,652	865	4.8%
24.7%	17,771	18,460	689	3.9%
25.9%	17,695	18,069	374	2.1%
27.2%	17,567	18,004	437	2.5%
28.4%	17,451	17,982	531	3.0%
29.6%	17,423	17,423	0	0.0%
30.9%	17,378	17,942	564	3.2%
32.1%	17,285	17,888	603	3.5%
33.3%	17,267	17,765	499	2.9%
34.6%	17,759	17,720	-39	-0.2%
35.8%	16,658	17,610	952	5.7%
37.0%	16,558	17,446	889	5.4%
38.3%	16,523	17,397	875	5.3%
39.5%	16,518	17,388	869	5.3%
40.7%	16,468	17,356	888	5.4%
42.0%	16,464	17,108	645	3.9%
43.2%	16,420	16,650	230	1.4%
44.4%	16,412	17,024	612	3.7%
45.7%	16,403	17,004	601	3.7%
46.9%	16,340	16,975	635	3.9%
48.1%	16,326	16,947	621	3.8%
49.4%	16,053	16,896	843	5.3%
50.6%	16,056	16,804	748	4.7%
51.9%	15,787	16,686	898	5.7%
53.1%	15,756	16,410	655	4.2%
54.3%	15,600	16,305	705	4.5%
55.6%	15,583	16,054	472	3.0%
56.8%	15,462	15,942	480	3.1%
58.0%	15,363	15,938	575	3.7%
59.3%	15,185	15,868	682	4.5%
60.5%	15,100	15,804	704	4.7%
61.7%	15,099	15,755	655	4.3%
63.0%	14,610	15,657	1,047	7.2%
64.2%	14,590	15,611	1,021	7.0%
65.4%	14,553	15,559	1,006	6.9%
66.7%	14,515	15,354	838	5.8%
67.9%	14,309	15,292	983	6.9%
69.1%	14,219	14,908	689	4.8%
70.4%	14,105	14,897	792	5.6%
71.6%	14,013	14,554	541	3.9%
72.8%	13,962	14,096	134	1.0%
74.1%	13,796	14,043	248	1.8%
75.3%	13,223	14,013	790	6.0%
76.5%	13,063	13,961	898	6.9%
77.8%	12,825	13,758	933	7.3%
79.0%	12,822	13,175	352	2.7%
80.2%	12,354	12,917	563	4.6%
81.5%	12,265	12,810	545	4.4%
82.7%	12,151	12,598	447	3.7%
84.0%	11,260	12,540	1,279	11.4%
85.2%	11,100	12,195	1,095	9.9%
86.4%	10,995	12,151	1,156	10.5%
87.7%	10,954	11,891	938	8.6%
88.9%	10,917	11,639	722	6.6%
90.1%	10,852	11,233	381	3.5%
91.4%	10,332	11,022	690	6.5%
92.6%	8,341	9,130	789	9.5%
93.8%	8,049	8,944	894	11.1%
95.1%	8,001	8,821	820	10.2%
96.3%	7,857	8,543	686	8.7%
97.5%	7,417	8,243	826	11.1%
98.8%	6,915	8,144	1,229	17.7%
100.0%	5,564	7,598	2,034	36.5%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,000	16,608	608	3.8%
1.2%	15,765	16,941	1,176	7.5%
2.5%	15,564	16,817	1,254	8.1%
3.7%	15,463	15,707	244	1.6%
4.9%	15,409	15,485	76	0.5%
6.2%	15,369	15,397	28	0.2%
7.4%	15,088	15,334	245	1.6%
8.6%	14,984	15,319	335	2.2%
9.9%	14,959	15,279	320	2.1%
11.1%	14,717	15,101	384	2.6%
12.3%	14,690	15,078	388	2.6%
13.6%	14,653	14,752	99	0.7%
14.8%	14,650	14,576	-73	-0.5%
16.0%	14,592	14,555	-37	-0.3%
17.3%	14,533	14,533	0	0.0%
18.5%	14,483	14,465	-18	-0.1%
19.8%	14,427	14,394	-33	-0.2%
21.0%	14,332	14,331	-1	0.0%
22.2%	14,210	14,282	72	0.5%
23.5%	14,008	14,168	160	1.1%
24.7%	13,922	13,913	-8	-0.1%
25.9%	13,909	13,905	-4	0.0%
27.2%	13,862	13,902	40	0.3%
28.4%	13,844	13,837	-7	0.0%
29.6%	13,732	13,824	92	0.7%
30.9%	13,658	13,804	146	1.1%
32.1%	13,554	13,667	113	0.8%
33.3%	13,457	13,510	53	0.4%
34.6%	13,419	13,720	301	2.2%
35.8%	13,340	13,469	129	1.0%
37.0%	13,245	13,192	-53	-0.4%
38.3%	13,243	13,170	-73	-0.6%
39.5%	13,199	13,130	-68	-0.5%
40.7%	13,155	13,076	-78	-0.6%
42.0%	13,084	13,034	-49	-0.4%
43.2%	13,065	13,065	0	0.0%
44.4%	12,929	12,839	-91	-0.7%
45.7%	12,249	12,397	148	1.2%
46.9%	12,010	12,251	241	2.0%
48.1%	11,978	11,987	7	0.1%
49.4%	11,978	11,986	7	0.0%
50.6%	11,919	11,853	-66	-0.6%
51.9%	11,822	11,777	-44	-0.4%
53.1%	11,777	11,636	-141	-1.2%
54.3%	11,594	11,548	-47	-0.4%
55.6%	11,520	11,521	1	0.0%
56.8%	11,455	11,467	12	0.1%
58.0%	11,230	11,457	227	2.0%
59.3%	11,157	11,415	258	2.3%
60.5%	11,095	11,353	258	2.3%
61.7%	10,896	11,200	304	2.8%
63.0%	10,806	11,185	379	3.5%
64.2%	10,704	11,129	425	4.0%
65.4%	10,036	10,712	676	6.7%
66.7%	10,029	10,688	659	6.6%
67.9%	10,022	10,629	607	6.1%
69.1%	9,611	10,545	934	9.7%
70.4%	9,456	10,501	1,045	11.0%
71.6%	9,328	11,130	1,802	19.4%
72.8%	9,295	10,431	1,136	12.2%
74.1%	9,264	10,426	1,162	12.5%
75.3%	8,992	10,168	1,176	13.1%
76.5%	8,940	10,053	1,112	12.4%
77.8%	8,940	10,035	1,095	12.3%
79.0%	8,868	9,995	1,127	12.7%
80.2%	8,744	9,936	1,192	13.6%
81.5%	8,487	9,537	1,050	12.4

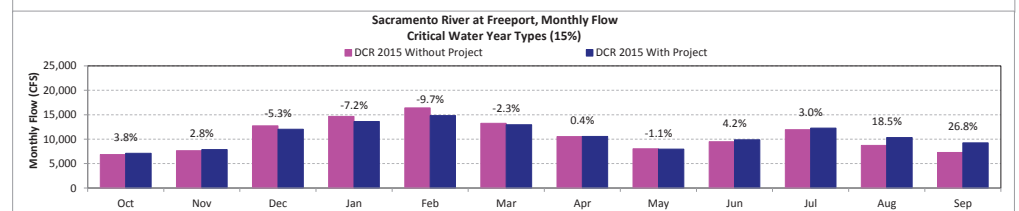
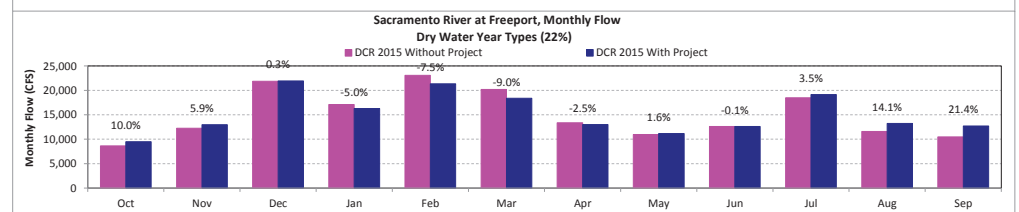
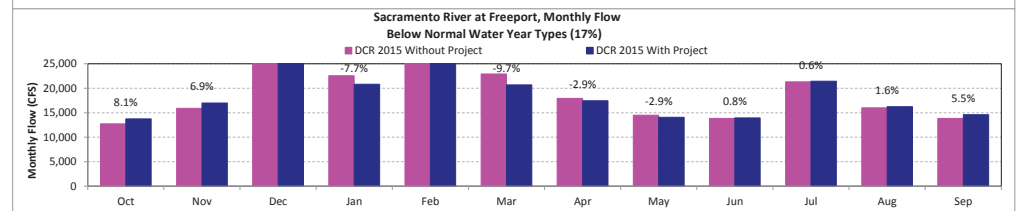
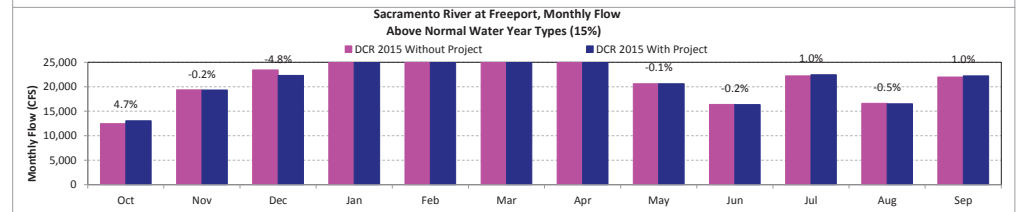
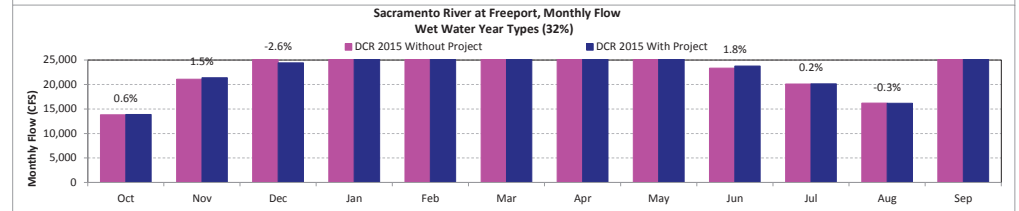
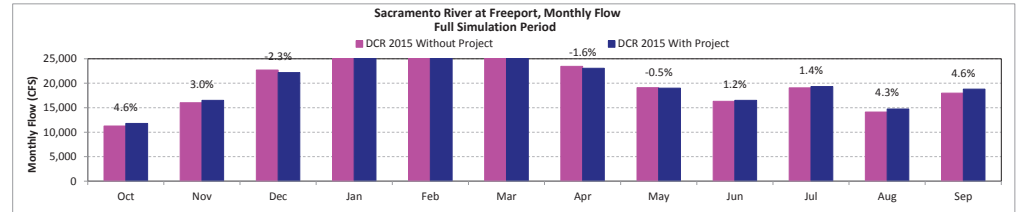
Table SW-17-a  
Sacramento River at Freeport, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	11,273	16,029	22,691	31,180	37,745	32,288	23,451	19,088	16,320	19,065	14,126	17,971
DCR 2015 With Project	11,789	16,505	22,176	30,050	36,593	30,912	23,077	18,988	16,517	19,323	14,734	18,799
Difference	517	476	-515	-1,130	-1,153	-1,376	-375	-100	198	259	607	827
Percent Difference <sup>2</sup>	4.6%	3.0%	-2.3%	-3.6%	-3.1%	-4.3%	-1.6%	-0.5%	1.2%	1.4%	4.3%	4.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	13,806	21,069	25,080	50,180	57,509	49,768	38,203	31,557	23,356	20,095	16,218	28,461
DCR 2015 With Project	13,892	21,391	24,438	49,383	56,916	48,936	37,845	31,393	23,767	20,131	16,165	28,105
Difference	86	321	-642	-797	-593	-831	-358	-164	411	35	-53	-356
Percent Difference	0.6%	1.5%	-2.6%	-1.6%	-1.0%	-1.7%	-0.9%	-0.5%	1.8%	0.2%	-0.3%	-1.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	12,461	19,357	23,429	37,712	45,441	42,526	25,988	20,631	16,382	22,210	16,610	22,005
DCR 2015 With Project	13,050	19,325	22,309	36,056	44,183	40,550	25,276	20,614	16,348	22,439	16,519	22,233
Difference	589	-32	-1,120	-1,656	-1,258	-1,976	-711	-17	-34	230	-91	228
Percent Difference	4.7%	-0.2%	-4.8%	-4.4%	-2.8%	-4.6%	-2.7%	-0.1%	-0.2%	1.0%	-0.5%	1.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	12,722	15,894	27,232	22,548	31,621	22,917	17,946	14,501	13,828	21,313	15,986	13,827
DCR 2015 With Project	13,755	16,996	26,857	20,820	30,632	20,691	17,428	14,083	13,933	21,434	16,234	14,581
Difference	1,033	1,102	-375	-1,728	-989	-2,226	-518	-418	105	122	248	754
Percent Difference	8.1%	6.9%	-1.4%	-7.7%	-3.1%	-9.7%	-2.9%	-2.9%	0.8%	0.6%	1.6%	5.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	8,642	12,231	21,869	17,115	23,066	20,189	13,358	10,980	12,613	18,491	11,600	10,476
DCR 2015 With Project	9,503	12,954	21,938	16,267	21,335	18,369	13,017	11,158	12,598	19,135	13,235	12,721
Difference	861	723	69	-849	-1,731	-1,819	-340	179	-15	643	1,635	2,245
Percent Difference	10.0%	5.9%	0.3%	-5.0%	-7.5%	-9.0%	-2.5%	1.6%	-0.1%	3.5%	14.1%	21.4%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	6,851	7,637	12,713	14,648	16,394	13,261	10,517	8,041	9,478	11,923	8,730	7,286
DCR 2015 With Project	7,109	7,853	12,040	13,599	14,811	12,958	10,559	7,952	9,873	12,277	10,345	9,236
Difference	259	217	-674	-1,049	-1,584	-303	42	-89	395	354	1,614	1,951
Percent Difference	3.8%	2.8%	-5.3%	-7.2%	-9.7%	-2.3%	0.4%	-1.1%	4.2%	3.0%	18.5%	26.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-17-b**  
**Sacramento River at Freeport, Monthly Flow**  
**Probability of Exceedance**

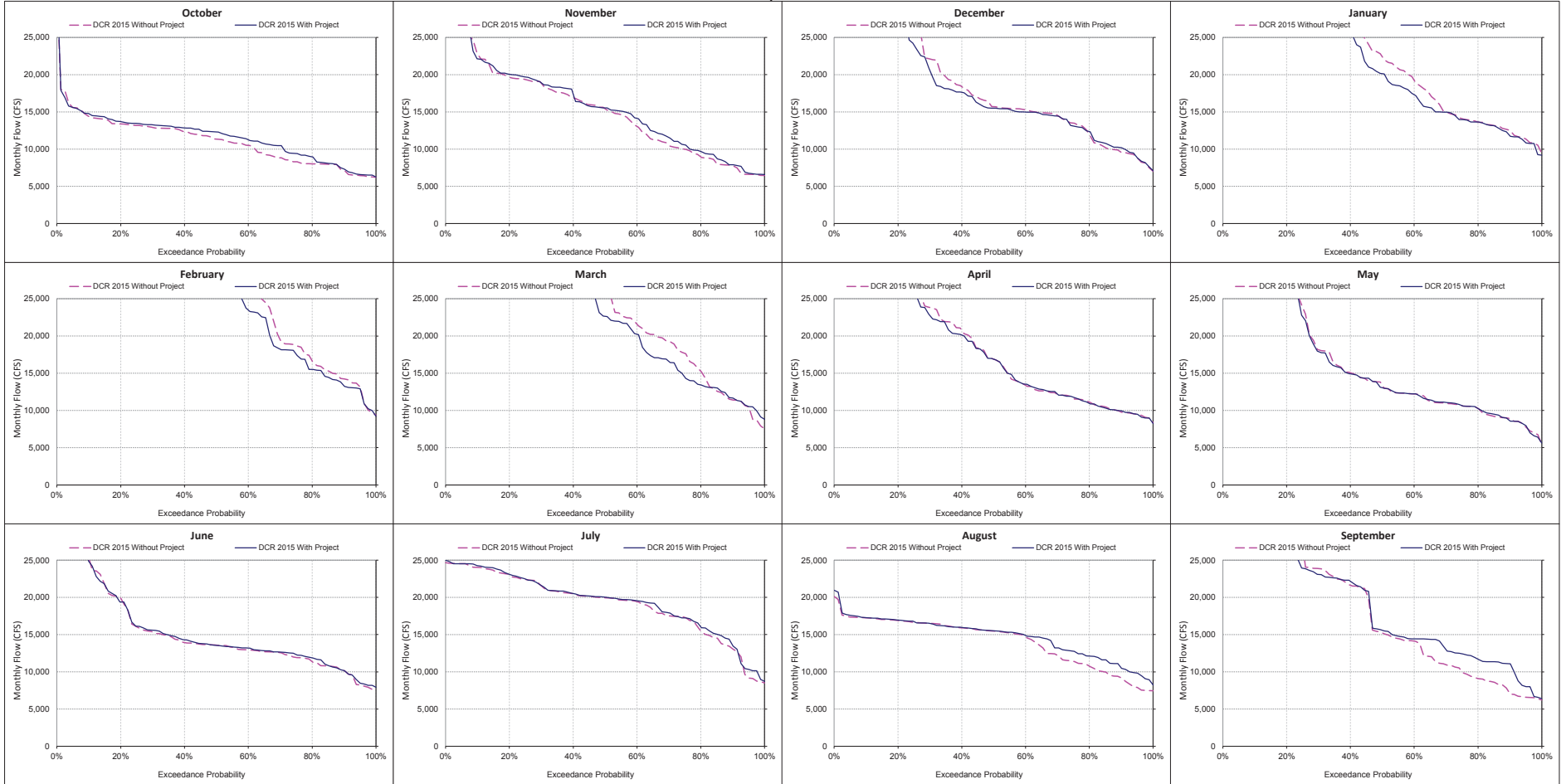


Table SW-17-b  
Sacramento River at Freepoint, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,118	33,002	884	2.8%
1.2%	18,018	17,881	-137	-0.8%
2.5%	17,927	16,924	-1,003	-5.6%
3.7%	16,199	15,772	-426	-2.6%
4.9%	15,591	15,613	23	0.1%
6.2%	15,548	15,482	-66	-0.4%
7.4%	15,337	15,162	-175	-1.1%
8.6%	14,775	14,828	53	0.4%
9.9%	14,408	14,777	368	2.6%
11.1%	14,204	14,500	296	2.1%
12.3%	14,142	14,479	337	2.4%
13.6%	14,077	14,387	309	2.2%
14.8%	14,014	14,353	339	2.4%
16.0%	13,889	14,066	177	1.3%
17.3%	13,428	13,961	534	4.0%
18.5%	13,416	13,739	323	2.4%
19.8%	13,385	13,712	327	2.4%
21.0%	13,374	13,622	248	1.9%
22.2%	13,299	13,491	192	1.4%
23.5%	13,234	13,479	245	1.8%
24.7%	13,177	13,458	280	2.1%
25.9%	13,174	13,434	260	2.0%
27.2%	13,084	13,311	227	1.7%
28.4%	13,048	13,278	230	1.8%
29.6%	12,949	13,274	325	2.5%
30.9%	12,829	13,224	394	3.1%
32.1%	12,815	13,189	374	2.9%
33.3%	12,793	13,144	350	2.7%
34.6%	12,791	13,106	315	2.5%
35.8%	12,790	13,078	287	2.2%
37.0%	12,743	12,939	196	1.5%
38.3%	12,623	12,931	308	2.4%
39.5%	12,375	12,871	496	4.0%
40.7%	12,335	12,821	487	3.9%
42.0%	12,098	12,807	709	5.9%
43.2%	12,007	12,672	665	5.5%
44.4%	11,962	12,672	709	5.9%
45.7%	11,804	12,407	603	5.1%
46.9%	11,803	12,401	597	5.1%
48.1%	11,643	12,347	704	6.0%
49.4%	11,360	12,335	974	8.6%
50.6%	11,318	12,075	757	6.7%
51.9%	11,267	12,067	799	7.1%
53.1%	11,055	11,918	863	7.8%
54.3%	10,952	11,767	815	7.4%
55.6%	10,810	11,710	900	8.3%
56.8%	10,794	11,597	804	7.4%
58.0%	10,730	11,501	771	7.2%
59.3%	10,518	11,390	872	8.3%
60.5%	10,478	11,151	673	6.4%
61.7%	10,203	11,071	867	8.5%
63.0%	9,571	11,070	1,499	15.7%
64.2%	9,513	10,818	1,305	13.7%
65.4%	9,251	10,678	1,427	15.4%
66.7%	9,185	10,604	1,419	15.4%
67.9%	9,017	10,511	1,494	16.6%
69.1%	8,830	10,471	1,641	18.6%
70.4%	8,828	10,463	1,635	18.5%
71.6%	8,570	9,677	1,107	12.9%
72.8%	8,532	9,479	947	11.1%
74.1%	8,303	9,428	1,126	13.6%
75.3%	8,297	9,367	1,120	13.5%
76.5%	8,109	9,179	1,070	13.2%
77.8%	8,049	9,170	1,122	13.9%
79.0%	8,042	9,058	1,016	12.6%
80.2%	8,015	8,938	924	11.5%
81.5%	8,012	8,262	250	3.1%
82.7%	8,009	8,237	228	2.8%
84.0%	7,985	8,142	157	2.0%
85.2%	7,983	8,037	54	0.7%
86.4%	7,958	8,053	95	1.2%
87.7%	7,928	7,928	0	0.0%
88.9%	7,301	7,915	222	3.0%
90.1%	7,129	7,297	168	2.4%
91.4%	6,598	6,563	-35	-0.5%
92.6%	6,528	6,825	297	4.5%
93.8%	6,524	6,639	115	1.8%
95.1%	6,445	6,578	134	2.1%
96.3%	6,409	6,533	123	1.9%
97.5%	6,282	6,524	242	3.9%
98.8%	6,284	6,211	-73	-1.2%
100.0%	6,215	6,276	61	1.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53,220	54,548	1,328	2.5%
1.2%	46,877	46,747	-130	-0.3%
2.5%	45,057	46,575	1,518	3.4%
3.7%	32,120	33,666	1,546	4.8%
4.9%	31,831	32,854	1,023	3.2%
6.2%	26,124	28,680	2,556	9.8%
7.4%	25,259	26,131	872	3.5%
8.6%	24,633	23,178	-1,455	-5.9%
9.9%	22,862	22,120	-743	-3.2%
11.1%	22,099	22,069	-31	-0.1%
12.3%	22,069	21,665	-404	-1.8%
13.6%	21,418	21,544	126	0.6%
14.8%	20,207	21,167	960	4.8%
16.0%	20,201	20,559	358	1.8%
17.3%	20,164	20,220	57	0.3%
18.5%	19,963	20,209	246	1.2%
19.8%	19,677	20,066	390	2.0%
21.0%	19,541	19,984	443	2.3%
22.2%	19,470	19,968	498	2.6%
23.5%	19,463	19,816	353	1.8%
24.7%	19,390	19,716	326	1.7%
25.9%	19,252	19,640	388	2.0%
27.2%	19,105	19,408	303	1.6%
28.4%	19,102	19,237	135	0.7%
29.6%	19,070	19,075	5	0.0%
30.9%	18,398	18,652	254	1.4%
32.1%	18,147	18,588	441	2.4%
33.3%	17,944	18,364	420	2.3%
34.6%	17,664	18,310	647	3.7%
35.8%	17,634	18,309	675	3.8%
37.0%	17,521	18,226	704	4.0%
38.3%	17,314	18,133	819	4.7%
39.5%	16,920	18,056	1,135	6.7%
40.7%	16,801	17,577	776	4.6%
42.0%	16,542	16,363	-179	-1.1%
43.2%	16,326	16,326	0	0.0%
44.4%	15,999	15,855	-144	-0.9%
45.7%	15,946	15,729	-217	-1.4%
46.9%	15,888	15,691	-197	-1.2%
48.1%	15,834	15,602	-232	-1.5%
49.4%	15,621	15,542	-80	-0.5%
50.6%	15,318	15,345	26	0.2%
51.9%	15,065	15,247	182	1.2%
53.1%	14,797	15,220	423	2.9%
54.3%	14,718	15,154	436	3.0%
55.6%	14,580	15,062	482	3.3%
56.8%	14,295	14,923	628	4.4%
58.0%	13,766	14,748	980	7.1%
59.3%	13,247	14,199	952	7.2%
60.5%	12,915	14,082	1,167	9.0%
61.7%	12,258	13,387	1,129	9.2%
63.0%	11,982	13,303	1,320	11.0%
64.2%	11,397	12,513	1,116	9.8%
65.4%	11,209	12,357	1,148	10.2%
66.7%	11,207	12,101	894	8.0%
67.9%	10,987	12,012	1,025	9.3%
69.1%	10,857	11,763	907	8.4%
70.4%	10,407	11,480	1,073	10.3%
71.6%	10,293	11,035	742	7.5%
72.8%	10,182	11,024	842	8.3%
74.1%	10,045	10,647	602	6.0%
75.3%	9,963	10,547	585	5.9%
76.5%	9,782	9,992	210	2.1%
77.8%	9,418	9,849	431	4.6%
79.0%	9,283	9,841	559	6.0%
80.2%	8,877	9,664	787	8.9%
81.5%	8,805	9,388	583	6.6%
82.7%	8,769	9,314	545	6.2%
84.0%	8,629	9,298	670	7.8%
85.2%	7,965	8,692	726	9.3%
86.4%	7,915	8,529	614	7.8%
87.7%	7,877	8,320	444	5.6%
88.9%	7,857	7,915	58	0.7%
90.1%	7,756	7,890	133	1.7%
91.4%	7,476	7,806	330	4.4%
92.6%	6,772	7,693	922	13.6%
93.8%	6,622	6,918	295	4.5%
95.1%	6,612	6,767	156	2.4%
96.3%	6,609	6,702	93	1.4%
97.5%	6,597	6,612	15	0.2%
98.8%	6,469	6,469	0	0.0%
100.0%	6,462	6,566	104	1.6%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,916	76,586	-330	-0.4%
1.2%	70,987	68,481	-2,506	-3.5%
2.5%	65,974	66,500	526	0.8%
3.7%	59,042	57,505	-1,536	-2.6%
4.9%	57,845	55,658	-2,187	-3.8%
6.2%	56,392	55,509	-883	-1.6%
7.4%	50,299	50,257	-43	-0.1%
8.6%	46,655	49,744	3,089	6.6%
9.9%	47,909	47,343	-566	-1.2%
11.1%	47,733	44,540	-3,193	-6.7%
12.3%	44,438	44,001	-437	-1.0%
13.6%	37,610	39,544	1,934	5.1%
14.8%	36,991	36,508	-483	-1.3%
16.0%	35,617	35,789	173	0.5%
17.3%	35,228	34,685	-543	-1.5%
18.5%	34,282	34,323	41	0.1%
19.8%	33,051	32,665	-386	-1.2%
21.0%	31,155	31,755	600	1.9%
22.2%	28,924	28,427	-497	-1.7%
23.5%	28,617	24,658	-3,959	-13.8%
24.7%	27,417	24,230	-3,187	-11.6%
25.9%	26,800	23,381	-3,419	-12.8%
27.2%	25,494	22,561	-2,933	-11.5%
28.4%	22,276	22,397	121	0.5%
29.6%	22,015	22,148	133	0.6%
30.9%	22,021	19,644	-2,377	-10.8%
32.1%	21,945	18,519	-3,426	-15.6%
33.3%	20,278	18,408	-1,870	-9.2%
34.6%	19,884	18,149	-1,735	-8.7%
35.8%	19,341	18,106	-1,236	-6.4%
37.0%	19,192	17,921	-1,271	-6.6%
38.3%	18,665	17,688	-977	-5.2%
39.5%	18,554	17,675	-879	-4.7%
40.7%	18,149	17,559	-590	-3.3%
42.0%	17,880	17,148	-731	-4.1%
43.2%	17,800	17,077	-723	-4.1%
44.4%	17,096	16,315	-781	-4.6%
45.7%	16,755	16,001	-754	-4.5%
46.9%	16,573	15,717	-855	-5.2%
48.1%	16,442	15,544	-898	-5.5%
49.4%	15,717	15,504	-213	-1.4%
50.6%	15,412	15,489	77	0.5%
51.9%	15,561	15,424	-137	-0.9%
53.1%	15,505	15,412	-93	-0.6%
54.3%	15,489	15,412	-77	-0.5%
55.6%	15,456	15,262	-194	-1.3%
56.8%	15,425	15,059	-365	-2.4%
58.0%	15,333	14,998	-335	-2.2%
59.3%	15,333	14,986	-347	-2.3%
60.5%	15,262	14,964	-298	-2.0%
61.7%	15,078	14,963	-116	-0.8%
63.0%	14,991	14,956	-34	-0.2%
64.2%	14,888	14,845	-43	-0.3%
65.4%	14,885	14,635	-250	-1.7%
66.7%	14,845	14,603	-242	-1.6%
67.9%	14,801	14,533	-267	-1.8%
69.1%	14,799	14,451	-347	-2.3%
70.4%	14,408	14,434	26	0.2%
71.6%	14,057	14,077	20	0.1%
72.8%	13,803	14,013	210	1.5%
74.1%	13,534	13,185	-349	-2.6%
75.3%	13,478	13,063	-415	-3.1%
76.5%	13,210	12,968	-241	-1.8%
77.8%	13,096	12,914	-182	-1.4%
79.0%	12,629	12,465	-164	-1.3%
80.2%	11,78			

Table SW-17-b  
Sacramento River at Freepoint, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	76,930	76,928	-3	0.0%
1.2%	75,747	77,466	7	0.0%
2.5%	73,545	73,550	5	0.0%
3.7%	72,212	72,659	447	0.6%
4.9%	70,712	72,333	1,621	2.3%
6.2%	69,690	70,225	535	0.8%
7.4%	69,196	69,410	214	0.3%
8.6%	69,117	69,177	59	0.1%
9.9%	68,159	68,368	209	0.3%
11.1%	68,077	67,249	-828	-1.2%
12.3%	67,159	67,102	-58	-0.1%
13.6%	64,583	64,120	-464	-0.7%
14.8%	63,970	63,483	-488	-0.8%
16.0%	63,497	63,424	-73	-0.1%
17.3%	62,070	62,111	41	0.1%
18.5%	60,797	59,806	-991	-1.6%
19.8%	59,871	59,347	-525	-0.9%
21.0%	59,786	58,722	-1,064	-1.8%
22.2%	59,326	59,277	-49	-0.1%
23.5%	58,782	57,678	-1,104	-1.9%
24.7%	57,568	55,854	-1,714	-3.0%
25.9%	54,294	53,789	-505	-0.9%
27.2%	53,798	53,565	-233	-0.4%
28.4%	50,248	50,065	-193	-0.4%
29.6%	50,080	49,111	-969	-1.9%
30.9%	48,987	46,280	-2,727	-5.6%
32.1%	48,869	46,196	-2,672	-5.5%
33.3%	48,010	45,888	-2,121	-4.4%
34.6%	47,361	45,440	-1,921	-4.1%
35.8%	46,643	45,190	-1,453	-3.1%
37.0%	45,543	45,189	-354	-0.8%
38.3%	45,482	44,295	-1,187	-2.6%
39.5%	44,637	42,862	-1,775	-4.0%
40.7%	43,652	42,749	-903	-2.1%
42.0%	42,585	42,429	-156	-0.4%
43.2%	40,121	40,009	-112	-0.3%
44.4%	38,499	36,822	-1,677	-4.4%
45.7%	36,807	35,102	-1,706	-4.6%
46.9%	35,711	33,392	-2,319	-6.5%
48.1%	35,529	32,205	-3,323	-9.4%
49.4%	35,271	31,315	-3,956	-11.2%
50.6%	34,678	31,773	-3,504	-10.1%
51.9%	31,580	31,048	-532	-1.7%
53.1%	31,157	28,207	-2,950	-9.5%
54.3%	30,412	27,085	-3,327	-10.9%
55.6%	29,440	26,727	-2,713	-9.2%
56.8%	27,667	25,813	-1,854	-6.7%
58.0%	26,992	24,935	-2,057	-7.6%
59.3%	26,532	23,748	-2,783	-10.5%
60.5%	26,517	23,279	-3,238	-12.2%
61.7%	25,998	23,231	-2,767	-10.6%
63.0%	25,325	23,117	-2,208	-8.7%
64.2%	24,966	22,587	-2,379	-9.5%
65.4%	24,470	22,479	-1,992	-8.1%
66.7%	23,787	20,122	-3,665	-15.4%
67.9%	22,037	18,694	-3,343	-15.2%
69.1%	20,241	18,403	-1,838	-9.1%
70.4%	19,144	18,170	-973	-5.1%
71.6%	18,942	18,158	-784	-4.1%
72.8%	18,934	18,134	-800	-4.2%
74.1%	18,859	18,075	-784	-4.2%
75.3%	18,668	17,384	-1,284	-6.9%
76.5%	18,497	16,923	-1,574	-8.5%
77.8%	17,566	16,864	-702	-4.0%
79.0%	17,421	15,512	-1,909	-11.0%
80.2%	16,477	15,511	-966	-5.9%
81.5%	16,030	15,394	-636	-4.0%
82.7%	15,925	15,364	-561	-3.5%
84.0%	15,475	14,605	-870	-5.6%
85.2%	15,202	14,449	-752	-5.0%
86.4%	14,990	14,177	-813	-5.4%
87.7%	14,906	14,076	-829	-5.6%
88.9%	14,294	13,827	-467	-3.3%
90.1%	14,224	13,217	-1,008	-7.1%
91.4%	14,103	13,076	-1,027	-7.3%
92.6%	13,704	13,040	-663	-4.8%
93.8%	13,669	13,025	-644	-4.7%
95.1%	13,153	12,920	-233	-1.8%
96.3%	10,954	10,866	-88	-0.8%
97.5%	10,076	10,244	168	1.7%
98.8%	9,710	9,956	246	2.5%
100.0%	9,397	9,239	-158	-1.7%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	80,777	80,457	-320	-0.4%
1.2%	77,377	77,466	89	0.1%
2.5%	72,429	72,247	-182	-0.3%
3.7%	71,627	70,996	-631	-0.9%
4.9%	68,979	68,803	-176	-0.3%
6.2%	68,801	66,203	-2,597	-3.8%
7.4%	67,522	66,026	-1,496	-2.2%
8.6%	62,584	62,601	16	0.0%
9.9%	62,266	62,349	83	0.1%
11.1%	61,862	61,974	112	0.2%
12.3%	61,090	61,122	32	0.1%
13.6%	58,702	58,681	-21	0.0%
14.8%	56,148	58,139	9	0.0%
16.0%	57,480	57,470	-10	0.0%
17.3%	55,840	55,785	-55	-0.1%
18.5%	54,895	52,249	-2,646	-4.8%
19.8%	53,851	52,197	-1,654	-3.1%
21.0%	48,622	49,178	556	1.1%
22.2%	46,068	47,419	1,351	2.9%
23.5%	45,054	45,929	875	2.1%
24.7%	44,713	41,362	-3,351	-7.5%
25.9%	44,568	40,844	-3,724	-8.4%
27.2%	44,213	40,339	-3,874	-8.8%
28.4%	39,779	39,421	-358	-0.9%
29.6%	39,437	39,437	0	0.0%
30.9%	38,608	35,867	-2,741	-7.1%
32.1%	36,323	35,332	-991	-2.7%
33.3%	36,011	35,125	-885	-2.5%
34.6%	35,905	35,086	-819	-2.3%
35.8%	35,572	33,710	-1,862	-5.2%
37.0%	35,375	32,585	-2,790	-7.9%
38.3%	35,156	32,547	-2,609	-7.4%
39.5%	34,687	30,802	-3,886	-11.2%
40.7%	32,689	30,047	-2,642	-8.1%
42.0%	31,079	27,228	-3,851	-12.5%
43.2%	30,808	26,207	-4,601	-15.0%
44.4%	30,100	25,784	-4,316	-14.3%
45.7%	28,863	25,206	-3,658	-12.7%
46.9%	27,039	25,057	-1,982	-7.3%
48.1%	26,523	23,158	-3,365	-12.7%
49.4%	26,122	22,666	-3,456	-13.2%
50.6%	25,223	22,618	-2,605	-10.3%
51.9%	25,177	22,118	-3,058	-12.1%
53.1%	23,171	22,004	-1,167	-5.0%
54.3%	23,104	21,980	-1,124	-4.9%
55.6%	22,640	21,734	-906	-4.0%
56.8%	22,462	21,693	-769	-3.4%
58.0%	22,415	20,967	-1,447	-6.5%
59.3%	21,937	20,319	-1,618	-7.4%
60.5%	21,352	20,172	-1,180	-5.5%
61.7%	21,000	18,463	-2,537	-12.1%
63.0%	20,422	17,807	-2,616	-12.8%
64.2%	20,225	17,370	-2,854	-14.1%
65.4%	20,208	17,100	-3,108	-15.4%
66.7%	19,852	17,089	-2,763	-13.9%
67.9%	19,756	16,946	-2,810	-14.2%
69.1%	19,350	16,905	-2,445	-12.6%
70.4%	18,238	16,432	-2,807	-14.6%
71.6%	18,311	16,397	-2,533	-13.4%
72.8%	18,108	15,411	-2,697	-14.9%
74.1%	17,820	15,005	-2,815	-15.8%
75.3%	17,619	14,301	-3,318	-18.8%
76.5%	16,574	14,019	-2,555	-15.4%
77.8%	16,288	13,999	-2,289	-14.1%
79.0%	15,728	13,534	-2,194	-14.0%
80.2%	15,163	13,402	-1,761	-11.6%
81.5%	14,303	13,195	-1,108	-7.7%
82.7%	13,195	13,098	-96	-0.7%
84.0%	12,924	13,075	151	1.2%
85.2%	12,558	13,023	464	3.7%
86.4%	12,405	12,537	132	1.1%
87.7%	11,940	12,427	488	4.1%
88.9%	11,516	11,745	228	2.0%
90.1%	11,404	11,679	275	2.4%
91.4%	11,395	11,344	-51	-0.5%
92.6%	11,237	11,234	-3	0.0%
93.8%	10,663	10,751	88	0.8%
95.1%	10,448	10,514	66	0.6%
96.3%	8,782	10,480	1,697	19.3%
97.5%	8,705	9,969	1,264	14.5%
98.8%	8,124	9,912	1,787	22.0%
100.0%	7,537	8,609	1,072	16.9%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)		
0.0%	73,218	73,213	-5	0.0%
1.2%	67,848	67,856	7	0.0%
2.5%	64,358	64,023	-335	-0.5%
3.7%	57,239	56,272	-967	-1.7%
4.9%	56,284	54,686	-1,598	-2.8%
6.2%	54,701	54,591	-110	-0.2%
7.4%	54,671	52,880	-1,791	-3.3%
8.6%	54,564	52,633	-1,930	-3.5%
9.9%	50,750	49,927	-823	-1.6%
11.1%	49,904	48,015	-1,889	-3.8%
12.3%	46,235	46,232	-3	0.0%
13.6%	42,635	41,945	-690	-1.6%
14.8%	41,945	40,925	-1,020	-2.4%
16.0%	41,604	40,237	-1,367	-3.3%
17.3%	40,847	38,737	-2,110	-5.2%
18.5%	40,242	38,722	-1,520	-3.8%
19.8%	37,392	36,157	-1,235	-3.3%
21.0%	36,522	35,667	-855	-2.3%
22.2%	35,627	35,633	6	0.0%
23.5%	34,851	33,514	-1,337	-3.8%
24.7%	33,172	33,233	61	0.2%
25.9%	25,510	25,245	-264	-1.0%
27.2%	25,371	23,877	-1,494	-5.9%
28.4%	24,021	23,815	-206	-0.9%
29.6%	23,827	23,923	96	0.4%
30.9%	23,764	22,274	-1,490	-6.3%
32.1%	23,546	22,200	-1,346	-5.7%
33.3%	22,274	21,939	-335	-1.5%
34.6%	21,935	21,924	-11	-0.1%
35.8%	21,919	20,623	-1,295	-5.9%
37.0%	21,850	20,377	-1,473	-6.7%
38.3%	21,125	20,302	-824	-3.9%
39.5%	21,073	20,225	-848	-4.0%
40.7%	20,309	20,016	-293	-1.4%
42.0%	20,118	19,311	-808	-4.0%
43.2%	19,302	19,302	0	0.0%
44.4%	18,408	18,343	-66	-0.4%
45.7%	18,360	18,248	-112	-0.6%
46.9%	18,069	17,832	-238	-1.3%
48.1%	17,012	17,012	0	0.0%
49.4%	16,984	16,976	-7	0.0%
50.6%	16,788	16,700	-88	-0.5%
51.9%	16,504	16,508	4	0.0%
53.1%	15,844	15,672	-172	-1.1%
54.3%	15,010	15,010	0	0.0%
55.6%	14,198	14,849	652	4.6%
56.8%	14,012	14,088	77	0.5%
58.0%	13,811	13,813	2	0.0%
59.3%	13,563	13,564	1	0.0%
60.5%	13,239	13,517	278	2.1%
61.7%	13,233	13,233	0	0.0%
63.0%	12,789	13,070	280	2.2%
64.2%	12,637	12,886	249	2.0%
65.4%	12,630	12,791	161	1.3%
66.7%	12,571	12,633	62	0.5%
67.9%	12,395	12,558	163	1.3%
69.1%	12,386	12,547	161	1.3%
70.4%	12,046	12,046	0	0.0%
71.6%	12,045	12,045	0	0.0%
72.8%	12,036	11,908	-128	-1.1%
74.1%	11,903	11,897	-6	-0.1%
75.3%	11,534			

Table SW-17-b  
Sacramento River at Freepoint, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	59,552	59,518	-34	-0.1%	
1.2%	48,964	48,797	-167	-0.3%	
2.5%	37,341	37,534	193	0.5%	
3.7%	35,764	36,739	976	2.7%	
4.9%	34,155	36,555	2,399	7.0%	
6.2%	33,730	33,966	236	0.7%	
7.4%	33,631	33,715	84	0.2%	
8.6%	28,450	29,450	1,000	3.5%	
9.9%	26,505	24,893	-1,613	-2.4%	
11.1%	23,589	24,208	618	2.6%	
12.3%	23,553	22,804	-749	-3.2%	
13.6%	23,091	22,163	-928	-4.0%	
14.8%	21,871	21,860	-11	-0.1%	
16.0%	20,538	20,842	304	1.5%	
17.3%	20,264	20,526	263	1.3%	
18.5%	20,159	20,250	91	0.5%	
19.8%	20,094	19,381	-712	-3.5%	
21.0%	19,119	19,370	251	1.3%	
22.2%	18,298	18,295	-13	-0.1%	
23.5%	16,417	16,686	269	1.6%	
24.7%	16,125	16,149	24	0.2%	
25.9%	15,834	16,094	260	1.6%	
27.2%	15,611	15,898	287	1.8%	
28.4%	15,481	15,627	146	0.9%	
29.6%	15,414	15,601	186	1.2%	
30.9%	15,147	15,577	429	2.8%	
32.1%	15,136	15,467	330	2.2%	
33.3%	14,981	15,132	151	1.0%	
34.6%	14,886	14,981	95	0.6%	
35.8%	14,712	14,850	138	0.9%	
37.0%	14,370	14,758	388	2.7%	
38.3%	14,262	14,501	239	1.7%	
39.5%	13,972	14,330	358	2.6%	
40.7%	13,869	14,273	404	2.9%	
42.0%	13,862	14,114	252	1.8%	
43.2%	13,820	14,020	200	1.4%	
44.4%	13,735	13,831	96	0.7%	
45.7%	13,675	13,770	95	0.7%	
46.9%	13,656	13,738	82	0.6%	
48.1%	13,619	13,656	37	0.3%	
49.4%	13,617	13,552	-64	-0.5%	
50.6%	13,552	13,516	-36	-0.3%	
51.9%	13,547	13,451	-95	-0.7%	
53.1%	13,516	13,400	-116	-0.9%	
54.3%	13,319	13,393	74	0.6%	
55.6%	13,286	13,319	33	0.2%	
56.8%	13,022	13,286	264	2.0%	
58.0%	12,979	13,214	234	1.8%	
59.3%	12,971	13,197	226	1.7%	
60.5%	12,939	13,178	239	1.8%	
61.7%	12,891	12,971	80	0.6%	
63.0%	12,829	12,940	111	0.9%	
64.2%	12,697	12,871	174	1.4%	
65.4%	12,696	12,832	136	1.1%	
66.7%	12,684	12,828	145	1.1%	
67.9%	12,671	12,695	24	0.2%	
69.1%	12,622	12,685	63	0.5%	
70.4%	12,543	12,644	100	0.8%	
71.6%	12,304	12,622	318	2.6%	
72.8%	12,219	12,545	327	2.7%	
74.1%	11,986	12,504	518	4.3%	
75.3%	11,912	12,240	328	2.7%	
76.5%	11,897	12,219	321	2.7%	
77.8%	11,828	12,085	257	2.2%	
79.0%	11,713	11,981	267	2.3%	
80.2%	11,281	11,872	591	5.2%	
81.5%	11,216	11,678	461	4.1%	
82.7%	10,822	11,615	793	7.3%	
84.0%	10,805	11,605	799	7.4%	
85.2%	10,791	10,805	15	0.1%	
86.4%	10,712	10,635	-77	-0.7%	
87.7%	10,635	10,533	-102	-1.0%	
88.9%	10,299	10,299	0	0.0%	
90.1%	10,152	10,152	0	0.0%	
91.4%	9,687	10,088	401	4.1%	
92.6%	9,561	9,579	18	0.2%	
93.8%	8,287	9,983	695	8.4%	
95.1%	8,238	8,479	241	2.9%	
96.3%	8,073	8,349	276	3.4%	
97.5%	7,828	8,191	363	4.6%	
98.8%	7,653	8,173	520	6.8%	
100.0%	7,569	7,922	352	4.7%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	24,666	24,971	304	1.2%	
1.2%	24,577	24,801	225	0.9%	
2.5%	24,570	24,531	-40	-0.2%	
3.7%	24,534	24,529	-5	0.0%	
4.9%	24,531	24,527	-4	0.0%	
6.2%	24,526	24,526	0	0.0%	
7.4%	24,286	24,521	235	1.0%	
8.6%	24,054	24,468	414	1.7%	
9.9%	24,040	24,260	220	0.9%	
11.1%	24,011	24,213	202	0.8%	
12.3%	23,856	24,046	190	0.8%	
13.6%	23,781	24,013	232	1.0%	
14.8%	23,678	23,992	314	1.3%	
16.0%	23,361	23,821	460	2.0%	
17.3%	23,287	23,679	393	1.7%	
18.5%	23,193	23,341	148	0.6%	
19.8%	23,118	23,118	0	0.0%	
21.0%	22,733	22,939	205	0.9%	
22.2%	22,679	22,835	157	0.7%	
23.5%	22,511	22,879	368	1.6%	
24.7%	22,441	22,511	70	0.3%	
25.9%	22,348	22,296	-52	-0.2%	
27.2%	22,298	22,259	-39	-0.2%	
28.4%	22,260	22,030	-230	-1.0%	
29.6%	21,701	21,701	0	0.0%	
30.9%	21,230	21,388	159	0.7%	
32.1%	20,967	20,967	0	0.0%	
33.3%	20,879	20,923	44	0.2%	
34.6%	20,844	20,897	53	0.3%	
35.8%	20,717	20,856	139	0.7%	
37.0%	20,637	20,832	194	0.9%	
38.3%	20,581	20,717	136	0.7%	
39.5%	20,535	20,577	43	0.2%	
40.7%	20,320	20,462	142	0.7%	
42.0%	20,234	20,285	51	0.2%	
43.2%	20,189	20,226	37	0.2%	
44.4%	20,155	20,187	31	0.2%	
45.7%	20,137	20,155	18	0.1%	
46.9%	20,041	20,112	71	0.4%	
48.1%	19,987	20,110	123	0.6%	
49.4%	19,958	20,057	100	0.5%	
50.6%	19,927	19,980	53	0.3%	
51.9%	19,912	19,911	-1	0.0%	
53.1%	19,883	19,879	-4	0.0%	
54.3%	19,656	19,783	127	0.6%	
55.6%	19,634	19,708	74	0.4%	
56.8%	19,596	19,699	93	0.5%	
58.0%	19,595	19,653	58	0.3%	
59.3%	19,516	19,596	80	0.4%	
60.5%	19,373	19,515	142	0.7%	
61.7%	19,049	19,454	404	2.1%	
63.0%	18,965	19,319	353	1.9%	
64.2%	18,666	19,238	571	3.1%	
65.4%	18,129	19,216	1,087	6.0%	
66.7%	17,864	18,667	803	4.5%	
67.9%	17,863	18,064	201	1.1%	
69.1%	17,559	18,004	444	2.5%	
70.4%	17,513	17,871	358	2.0%	
71.6%	17,459	17,513	54	0.3%	
72.8%	17,451	17,437	-13	-0.1%	
74.1%	17,437	17,260	-177	-1.0%	
75.3%	17,261	17,227	-34	-0.2%	
76.5%	16,895	17,143	248	1.5%	
77.8%	16,786	16,787	1	0.0%	
79.0%	16,060	16,582	522	3.3%	
80.2%	15,342	15,913	571	3.7%	
81.5%	15,029	15,903	874	5.8%	
82.7%	14,878	15,509	632	4.2%	
84.0%	14,599	15,183	585	4.0%	
85.2%	14,522	15,029	507	3.5%	
86.4%	13,797	14,151	354	2.6%	
87.7%	13,612	14,550	938	6.9%	
88.9%	13,437	14,397	960	7.1%	
90.1%	13,036	13,467	432	3.3%	
91.4%	12,716	13,029	312	2.4%	
92.6%	12,012	11,120	-892	-7.4%	
93.8%	9,627	10,416	789	8.2%	
95.1%	9,151	10,308	1,156	12.6%	
96.3%	9,106	10,159	1,053	11.6%	
97.5%	8,750	10,134	1,384	15.8%	
98.8%	8,675	9,879	1,204	13.9%	
100.0%	8,514	8,716	201	2.4%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	20,120	20,962	843	4.2%	
1.2%	19,716	20,698	982	5.0%	
2.5%	17,617	17,879	262	1.5%	
3.7%	17,512	17,724	211	1.2%	
4.9%	17,359	17,599	240	1.4%	
6.2%	17,332	17,522	190	1.1%	
7.4%	17,307	17,441	135	0.8%	
8.6%	17,293	17,320	27	0.2%	
9.9%	17,247	17,293	46	0.3%	
11.1%	17,236	17,248	12	0.1%	
12.3%	17,190	17,222	32	0.2%	
13.6%	17,111	17,195	84	0.5%	
14.8%	17,037	17,111	75	0.4%	
16.0%	17,030	17,085	54	0.3%	
17.3%	17,004	17,069	64	0.4%	
18.5%	16,959	17,031	72	0.4%	
19.8%	16,910	16,959	49	0.3%	
21.0%	16,815	16,935	120	0.7%	
22.2%	16,798	16,798	0	0.0%	
23.5%	16,745	16,822	76	0.5%	
24.7%	16,638	16,615	-177	-1.1%	
25.9%	16,621	16,583	-38	-0.2%	
27.2%	16,572	16,582	11	0.1%	
28.4%	16,547	16,552	5	0.0%	
29.6%	16,519	16,547	28	0.2%	
30.9%	16,493	16,412	-81	-0.5%	
32.1%	16,469	16,240	-229	-1.4%	
33.3%	16,412	16,200	-212	-1.3%	
34.6%	16,200	16,156	-44	-0.3%	
35.8%	16,156	16,060	-96	-0.6%	
37.0%	16,060	16,026	-34	-0.2%	
38.3%	15,982	16,012	30	0.2%	
39.5%	15,924	15,982	59	0.4%	
40.7%	15,891	15,941	50	0.3%	
42.0%	15,823	15,891	68	0.4%	
43.2%	15,809	15,809	0	0.0%	
44.4%	15,662	15,797	135	0.9%	
45.7%	15,632	15,632	0	0.0%	
46.9%	15,606	15,604	-2	0.0%	
48.1%	15,533	15,576	43	0.3%	
49.4%	15,483	15,525	42	0.3%	
50.6%	15,469	15,491	22	0.1%	
51.9%	15,398	15,464	67	0.4%	
53.1%	15,336	15,398	62	0.4%	
54.3%	15,260	15,332	73	0.5%	
55.6%	15,243	15,307	65	0.4%	
56.8%	15,091	15,200	109	1.1%	
58.0%	15,038	15,153	115	0.8%	
59.3%	14,960	15,022	62	0.4%	
60.5%	14,553	14,787	234	1.6%	
61.7%	14,353				



Table SW-18-a  
Lake Oroville, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	1,552	1,528	1,649	1,867	2,144	2,394	2,674	2,814	2,707	2,257	1,982	1,677
DCR 2015 With Project	1,631	1,601	1,709	1,923	2,186	2,428	2,707	2,849	2,761	2,336	2,068	1,763
Difference	79	73	60	56	42	34	33	35	54	78	86	86
Percent Difference <sup>2</sup>	5.1%	4.8%	3.6%	3.0%	2.0%	1.4%	1.2%	1.2%	2.0%	3.5%	4.3%	5.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	2,211	2,161	2,200	2,499	2,816	2,936	3,302	3,507	3,484	3,117	2,899	2,398
DCR 2015 With Project	2,255	2,204	2,233	2,560	2,843	2,945	3,303	3,507	3,485	3,149	2,913	2,441
Difference	44	43	33	60	27	8	2	0	1	32	14	43
Percent Difference	2.0%	2.0%	1.5%	2.4%	1.0%	0.3%	0.1%	0.0%	0.0%	1.0%	0.5%	1.8%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,773	1,717	1,780	1,981	2,403	2,888	3,263	3,479	3,375	2,802	2,377	1,921
DCR 2015 With Project	1,821	1,764	1,821	2,037	2,427	2,890	3,269	3,483	3,383	2,834	2,424	1,976
Difference	48	47	41	56	24	2	6	4	8	32	47	55
Percent Difference	2.7%	2.7%	2.3%	2.8%	1.0%	0.1%	0.2%	0.1%	0.3%	1.1%	2.0%	2.9%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	1,346	1,330	1,526	1,726	2,032	2,321	2,699	2,915	2,796	2,205	1,741	1,468
DCR 2015 With Project	1,522	1,500	1,693	1,730	2,043	2,335	2,713	2,939	2,843	2,298	1,905	1,652
Difference	176	170	168	4	11	14	14	24	47	93	164	183
Percent Difference	13.1%	12.8%	11.0%	0.2%	0.6%	0.6%	0.5%	0.8%	1.7%	4.2%	9.4%	12.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,068	1,079	1,329	1,420	1,639	1,962	2,160	2,204	1,998	1,489	1,270	1,153
DCR 2015 With Project	1,160	1,159	1,378	1,515	1,736	2,061	2,262	2,304	2,149	1,643	1,415	1,258
Difference	93	80	50	95	97	99	102	100	151	154	145	104
Percent Difference	8.7%	7.4%	3.7%	6.7%	5.9%	5.0%	4.7%	4.5%	7.6%	10.4%	11.4%	9.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	868	870	951	1,217	1,317	1,456	1,468	1,444	1,315	1,064	948	898
DCR 2015 With Project	922	908	977	1,264	1,364	1,503	1,517	1,502	1,393	1,158	1,050	967
Difference	54	38	26	48	47	47	49	58	78	95	102	69
Percent Difference	6.2%	4.4%	2.8%	3.9%	3.6%	3.2%	3.3%	4.0%	5.9%	8.9%	10.8%	7.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average





Table SW-19-a  
Lake Oroville, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	727	725	738	762	789	811	833	843	834	795	769	740
DCR 2015 With Project	737	734	745	768	793	815	836	846	839	803	779	751
Difference	10	9	7	6	4	3	3	3	5	8	10	11
Percent Difference <sup>2</sup>	1.4%	1.3%	1.0%	0.8%	0.5%	0.4%	0.4%	0.4%	0.6%	1.0%	1.3%	1.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	799	795	797	824	851	859	884	898	896	871	856	816
DCR 2015 With Project	804	800	801	830	853	859	884	898	896	873	857	820
Difference	5	5	4	6	2	1	0	0	0	2	1	5
Percent Difference	0.7%	0.7%	0.5%	0.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.2%	0.1%	0.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	758	751	757	778	819	856	881	896	889	850	817	774
DCR 2015 With Project	763	756	761	783	820	856	882	896	889	852	822	780
Difference	5	5	5	5	1	0	0	0	1	2	5	6
Percent Difference	0.7%	0.7%	0.6%	0.6%	0.2%	0.0%	0.0%	0.0%	0.1%	0.3%	0.6%	0.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	709	707	728	749	781	808	842	857	849	802	755	724
DCR 2015 With Project	730	727	746	750	782	809	842	859	852	811	773	745
Difference	21	20	18	1	1	1	1	2	3	9	18	21
Percent Difference	3.0%	2.8%	2.5%	0.1%	0.1%	0.1%	0.1%	0.2%	0.4%	1.1%	2.4%	3.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	674	674	702	717	743	777	796	801	781	726	699	685
DCR 2015 With Project	686	684	708	728	753	786	805	809	795	743	717	698
Difference	12	10	7	11	10	9	9	9	14	17	18	13
Percent Difference	1.8%	1.5%	0.9%	1.6%	1.4%	1.2%	1.1%	1.1%	1.8%	2.4%	2.6%	1.9%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	641	642	655	691	703	720	721	719	703	671	653	646
DCR 2015 With Project	650	649	660	697	709	726	727	726	713	684	670	657
Difference	9	7	4	6	6	6	6	7	9	13	16	12
Percent Difference	1.4%	1.0%	0.7%	0.9%	0.8%	0.8%	0.8%	1.0%	1.3%	1.9%	2.5%	1.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-18-b**  
**Lake Oroville, End of Month Storage**  
**Probability of Exceedance**

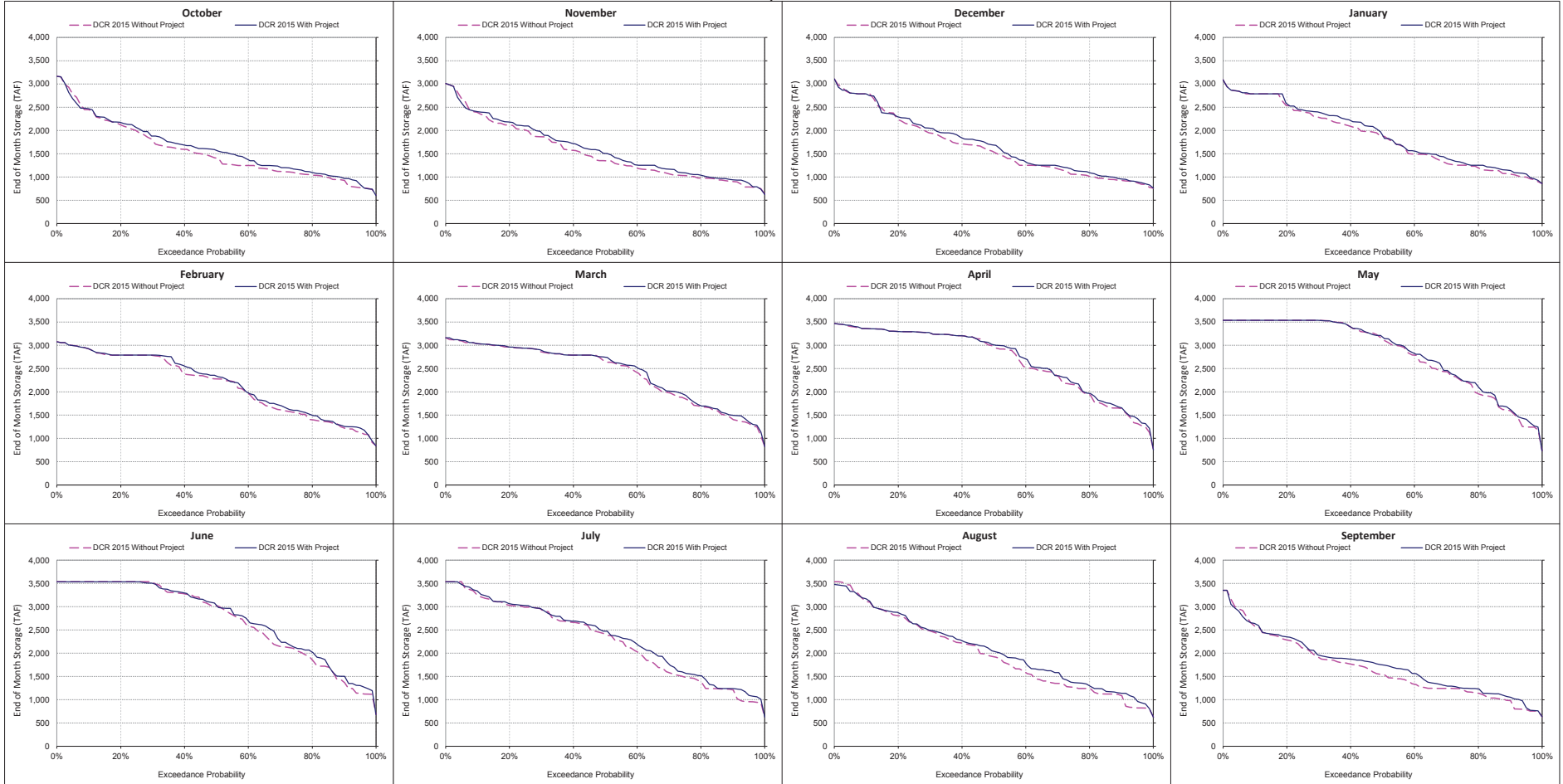


Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,154	3,154	0	0.0%
2.5%	2,993	3,011	18	0.6%
3.7%	2,930	2,823	-108	-3.7%
4.9%	2,783	2,688	-95	-3.4%
6.2%	2,715	2,585	-130	-4.8%
7.4%	2,554	2,478	-76	-3.0%
8.6%	2,450	2,478	28	1.1%
9.9%	2,446	2,468	22	0.9%
11.1%	2,423	2,447	24	1.0%
12.3%	2,289	2,301	11	0.5%
13.6%	2,270	2,289	19	0.9%
14.8%	2,226	2,223	-3	-0.1%
16.0%	2,210	2,237	27	1.2%
17.3%	2,186	2,186	0	0.0%
18.5%	2,170	2,184	15	0.7%
19.8%	2,128	2,179	50	2.4%
21.0%	2,091	2,148	57	2.7%
22.2%	2,065	2,134	69	3.4%
23.5%	2,029	2,125	96	4.7%
24.7%	2,002	2,100	98	4.9%
25.9%	1,944	2,030	86	4.4%
27.2%	1,914	1,978	64	3.3%
28.4%	1,857	1,976	119	6.4%
29.6%	1,817	1,883	66	3.6%
30.9%	1,707	1,881	174	10.2%
32.1%	1,683	1,866	183	10.9%
33.3%	1,669	1,825	156	9.4%
34.6%	1,647	1,761	114	7.0%
35.8%	1,641	1,749	108	6.6%
37.0%	1,624	1,726	103	6.3%
38.3%	1,604	1,708	104	6.5%
39.5%	1,598	1,693	95	6.0%
40.7%	1,594	1,676	82	5.2%
42.0%	1,551	1,675	123	7.9%
43.2%	1,519	1,641	122	8.0%
44.4%	1,505	1,614	108	7.2%
45.7%	1,493	1,613	119	8.0%
46.9%	1,475	1,605	130	8.8%
48.1%	1,446	1,602	156	10.8%
49.4%	1,412	1,589	178	12.6%
50.6%	1,401	1,553	152	10.9%
51.9%	1,281	1,535	254	19.9%
53.1%	1,275	1,527	252	19.8%
54.3%	1,271	1,496	225	17.7%
55.6%	1,260	1,485	225	17.9%
56.8%	1,248	1,453	205	16.4%
58.0%	1,248	1,440	192	15.3%
59.3%	1,248	1,394	146	11.7%
60.5%	1,248	1,352	105	8.4%
61.7%	1,247	1,351	104	8.3%
63.0%	1,194	1,268	74	6.2%
64.2%	1,186	1,248	62	5.2%
65.4%	1,178	1,248	70	5.9%
66.7%	1,170	1,248	78	6.6%
67.9%	1,138	1,244	106	9.3%
69.1%	1,123	1,234	111	9.9%
70.4%	1,119	1,204	84	7.5%
71.6%	1,113	1,201	88	7.9%
72.8%	1,108	1,194	86	7.7%
74.1%	1,100	1,174	75	6.8%
75.3%	1,071	1,161	89	8.4%
76.5%	1,068	1,152	84	7.8%
77.8%	1,058	1,119	61	5.8%
79.0%	1,052	1,114	62	5.9%
80.2%	1,040	1,093	53	5.1%
81.5%	1,035	1,074	39	3.8%
82.7%	1,027	1,068	41	4.0%
84.0%	1,000	1,057	57	5.7%
85.2%	990	1,028	38	3.9%
86.4%	949	1,018	69	7.3%
87.7%	946	1,014	68	7.2%
88.9%	942	995	53	5.6%
90.1%	927	968	41	4.4%
91.4%	904	967	64	7.1%
92.6%	792	941	149	18.8%
93.8%	782	924	142	18.2%
95.1%	771	833	62	8.1%
96.3%	763	762	-1	-0.2%
97.5%	756	742	-14	-1.8%
98.8%	734	741	7	1.0%
100.0%	612	602	-10	-1.7%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,008	3,008	0	0.0%
1.2%	2,981	2,981	0	0.0%
2.5%	2,950	2,950	0	0.0%
3.7%	2,824	2,716	-108	-3.8%
4.9%	2,690	2,595	-95	-3.5%
6.2%	2,616	2,486	-130	-5.0%
7.4%	2,452	2,448	-5	-0.2%
8.6%	2,405	2,423	18	0.8%
9.9%	2,391	2,406	15	0.6%
11.1%	2,348	2,392	44	1.9%
12.3%	2,332	2,386	54	2.3%
13.6%	2,230	2,276	146	6.6%
14.8%	2,185	2,256	72	3.3%
16.0%	2,156	2,244	88	4.1%
17.3%	2,155	2,212	57	2.6%
18.5%	2,122	2,187	65	3.1%
19.8%	2,114	2,185	70	3.3%
21.0%	2,110	2,172	62	3.0%
22.2%	2,035	2,113	78	3.8%
23.5%	2,026	2,108	82	4.0%
24.7%	2,016	2,100	84	4.2%
25.9%	1,988	2,099	111	5.6%
27.2%	1,884	2,032	148	7.9%
28.4%	1,869	1,987	128	6.8%
29.6%	1,851	1,985	134	7.3%
30.9%	1,863	1,898	35	1.9%
32.1%	1,825	1,891	66	3.6%
33.3%	1,748	1,836	88	5.0%
34.6%	1,743	1,782	39	2.3%
35.8%	1,724	1,773	49	2.8%
37.0%	1,596	1,767	171	10.7%
38.3%	1,584	1,753	170	10.7%
39.5%	1,575	1,724	150	9.5%
40.7%	1,568	1,707	139	8.8%
42.0%	1,543	1,670	127	8.5%
43.2%	1,486	1,626	139	9.4%
44.4%	1,463	1,607	144	9.8%
45.7%	1,445	1,591	146	10.1%
46.9%	1,370	1,590	220	16.1%
48.1%	1,353	1,574	221	16.3%
49.4%	1,351	1,507	156	11.5%
50.6%	1,347	1,506	159	11.8%
51.9%	1,346	1,476	130	9.6%
53.1%	1,292	1,420	128	9.9%
54.3%	1,271	1,398	127	10.0%
55.6%	1,264	1,353	89	7.0%
56.8%	1,242	1,331	89	7.2%
58.0%	1,239	1,323	84	6.8%
59.3%	1,209	1,267	58	4.8%
60.5%	1,181	1,251	70	6.0%
61.7%	1,168	1,251	83	7.1%
63.0%	1,160	1,251	91	7.9%
64.2%	1,151	1,251	100	8.7%
65.4%	1,147	1,251	104	9.1%
66.7%	1,117	1,207	89	8.0%
67.9%	1,106	1,184	78	7.1%
69.1%	1,085	1,174	88	8.1%
70.4%	1,062	1,168	106	9.9%
71.6%	1,042	1,159	117	11.2%
72.8%	1,039	1,105	66	6.4%
74.1%	1,033	1,091	58	5.6%
75.3%	1,032	1,088	57	5.5%
76.5%	1,014	1,067	53	5.3%
77.8%	1,012	1,053	42	4.1%
79.0%	979	1,051	72	7.4%
80.2%	976	1,036	60	6.2%
81.5%	976	1,011	35	3.6%
82.7%	972	994	21	2.2%
84.0%	971	982	11	1.1%
85.2%	938	1,017	79	8.4%
86.4%	936	969	33	3.6%
87.7%	922	967	45	4.9%
88.9%	908	953	45	4.9%
90.1%	902	942	40	4.4%
91.4%	893	936	43	4.8%
92.6%	847	935	89	10.5%
93.8%	786	907	121	15.4%
95.1%	785	867	82	10.4%
96.3%	781	792	12	1.5%
97.5%	742	789	47	6.3%
98.8%	749	737	-12	-1.6%
100.0%	637	627	-11	-1.7%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,107	3,107	0	0.0%
1.2%	2,977	2,930	-47	-1.6%
2.5%	2,930	2,869	-61	-2.1%
3.7%	2,842	2,866	24	0.8%
4.9%	2,806	2,806	0	0.0%
6.2%	2,800	2,800	0	0.0%
7.4%	2,788	2,788	0	0.0%
8.6%	2,788	2,788	0	0.0%
9.9%	2,788	2,788	0	0.0%
11.1%	2,786	2,747	-39	-1.4%
12.3%	2,684	2,744	60	2.2%
13.6%	2,532	2,607	75	3.0%
14.8%	2,484	2,383	-101	-4.1%
16.0%	2,398	2,370	-28	-1.2%
17.3%	2,382	2,367	-15	-0.6%
18.5%	2,376	2,350	-27	-1.1%
19.8%	2,239	2,297	58	2.6%
21.0%	2,204	2,274	70	3.2%
22.2%	2,155	2,268	113	5.2%
23.5%	2,132	2,259	127	5.9%
24.7%	2,114	2,158	45	2.1%
25.9%	2,089	2,132	43	2.0%
27.2%	2,046	2,112	66	3.2%
28.4%	1,992	2,059	67	3.4%
29.6%	1,951	2,052	101	5.2%
30.9%	1,936	2,043	106	5.5%
32.1%	1,916	1,985	69	3.6%
33.3%	1,870	1,957	86	4.6%
34.6%	1,824	1,951	127	7.0%
35.8%	1,812	1,948	136	7.5%
37.0%	1,749	1,940	192	11.0%
38.3%	1,726	1,911	185	10.7%
39.5%	1,712	1,857	145	8.5%
40.7%	1,708	1,817	108	6.3%
42.0%	1,614	1,702	88	5.4%
43.2%	1,600	1,812	212	13.3%
44.4%	1,676	1,789	113	6.7%
45.7%	1,665	1,778	113	6.8%
46.9%	1,621	1,758	137	8.5%
48.1%	1,584	1,709	125	7.9%
49.4%	1,559	1,692	134	8.6%
50.6%	1,514	1,679	165	10.9%
51.9%	1,471	1,611	140	9.5%
53.1%	1,448	1,526	78	5.4%
54.3%	1,397	1,505	108	7.7%
55.6%	1,394	1,437	44	3.1%
56.8%	1,325	1,421	96	7.3%
58.0%	1,253	1,366	113	9.0%
59.3%	1,252	1,354	101	8.1%
60.5%	1,252	1,302	50	4.0%
61.7%	1,252	1,283	31	2.5%
63.0%	1,250	1,260	10	0.8%
64.2%	1,241	1,253	12	1.0%
65.4%	1,238	1,252	15	1.2%
66.7%	1,223	1,252	30	2.4%
67.9%	1,220	1,252	33	2.7%
69.1%	1,195	1,252	57	4.8%
70.4%	1,170	1,238	68	5.8%
71.6%	1,145	1,212	67	5.9%
72.8%	1,123	1,199	76	6.7%
74.1%	1,062	1,178	116	11.0%
75.3%	1,080	1,140	80	7.5%
76.5%	1,054	1,129	74	7.1%
77.8%	1,047	1,123	76	7.2%
79.0%	1,038	1,114	76	7.3%
80.2%	1,007	1,088	81	8.0%
81.5%	1,004	1,069	65	6.5%
82.7%	973	1,038	65	6.7%
84.0%	971	1,018	46	4.8%
85.2%	958	1,017	60	6.2%
86.4%	949	1,004	55	5.8%
87.7%	947	998	51	5.4%
88.9%	931	967	36	3.8%
90.1%	926	955	29	3.2%
91.4%	948	1,048	100	10.6%
92.6%	911	915	4	0.5%
93.8%	904	913	9	0.9%
95.1%	872	894	22	2.6%
96.3%	843	877	34	4.0%
97.5%	852	852	0	

Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,078	3,078	0	0.0%	
1.2%	3,058	3,058	0	0.0%	
2.5%	3,057	3,057	0	0.0%	
3.7%	3,009	3,009	0	0.0%	
4.9%	2,997	2,997	0	0.0%	
6.2%	2,987	2,987	0	0.0%	
7.4%	2,962	2,962	0	0.0%	
8.6%	2,952	2,952	0	0.0%	
9.9%	2,925	2,925	0	0.0%	
11.1%	2,890	2,890	0	0.0%	
12.3%	2,837	2,837	12	0.4%	
13.6%	2,832	2,835	3	0.1%	
14.8%	2,806	2,832	26	0.9%	
16.0%	2,788	2,806	18	0.6%	
17.3%	2,788	2,788	0	0.0%	
18.5%	2,788	2,788	0	0.0%	
19.8%	2,788	2,788	0	0.0%	
21.0%	2,788	2,788	0	0.0%	
22.2%	2,788	2,788	0	0.0%	
23.5%	2,788	2,788	0	0.0%	
24.7%	2,788	2,788	0	0.0%	
25.9%	2,788	2,788	0	0.0%	
27.2%	2,788	2,788	0	0.0%	
28.4%	2,788	2,788	0	0.0%	
29.6%	2,787	2,788	1	0.0%	
30.9%	2,773	2,788	15	0.5%	
32.1%	2,766	2,787	21	0.8%	
33.3%	2,726	2,771	45	1.6%	
34.6%	2,632	2,764	132	5.0%	
35.8%	2,570	2,756	186	7.2%	
37.0%	2,568	2,613	46	1.8%	
38.3%	2,541	2,599	58	2.3%	
39.5%	2,393	2,567	174	7.3%	
40.7%	2,372	2,556	164	6.9%	
42.0%	2,364	2,509	145	6.1%	
43.2%	2,354	2,440	86	3.7%	
44.4%	2,350	2,400	50	2.1%	
45.7%	2,346	2,382	37	1.6%	
46.9%	2,323	2,378	54	2.3%	
48.1%	2,288	2,358	70	3.1%	
49.4%	2,279	2,355	76	3.3%	
50.6%	2,276	2,323	47	2.1%	
51.9%	2,274	2,311	38	1.6%	
53.1%	2,240	2,269	29	1.3%	
54.3%	2,236	2,219	-16	-0.7%	
55.6%	2,217	2,206	-11	-0.5%	
56.8%	2,076	2,103	27	1.3%	
58.0%	2,063	2,103	40	1.9%	
59.3%	1,999	2,005	6	0.3%	
60.5%	1,937	1,957	20	1.0%	
61.7%	1,841	1,937	96	5.2%	
63.0%	1,790	1,824	35	1.9%	
64.2%	1,763	1,818	55	3.1%	
65.4%	1,705	1,806	101	5.9%	
66.7%	1,684	1,754	70	4.1%	
67.9%	1,652	1,751	99	6.0%	
69.1%	1,623	1,725	102	6.3%	
70.4%	1,610	1,701	91	5.6%	
71.6%	1,592	1,660	68	4.3%	
72.8%	1,576	1,622	46	2.9%	
74.1%	1,561	1,604	42	2.7%	
75.3%	1,559	1,602	42	2.7%	
76.5%	1,518	1,575	57	3.7%	
77.8%	1,517	1,557	39	2.6%	
79.0%	1,408	1,522	114	8.1%	
80.2%	1,399	1,489	90	6.4%	
81.5%	1,383	1,483	99	7.2%	
82.7%	1,367	1,410	43	3.1%	
84.0%	1,362	1,382	21	1.5%	
85.2%	1,353	1,373	20	1.5%	
86.4%	1,329	1,362	33	2.5%	
87.7%	1,324	1,302	-21	-1.6%	
88.9%	1,252	1,281	30	2.4%	
90.1%	1,218	1,254	36	2.9%	
91.4%	1,203	1,252	49	4.0%	
92.6%	1,201	1,252	51	4.3%	
93.8%	1,144	1,245	100	8.8%	
95.1%	1,133	1,221	87	7.7%	
96.3%	1,089	1,175	86	7.9%	
97.5%	1,084	1,072	-12	-1.1%	
98.8%	944	940	-4	-0.3%	
100.0%	814	841	27	3.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,163	3,163	0	0.0%	
1.2%	3,123	3,162	39	1.2%	
2.5%	3,120	3,123	3	0.1%	
3.7%	3,105	3,120	15	0.5%	
4.9%	3,096	3,105	9	0.3%	
6.2%	3,059	3,096	37	1.2%	
7.4%	3,058	3,059	1	0.0%	
8.6%	3,054	3,058	4	0.1%	
9.9%	3,036	3,036	0	0.0%	
11.1%	3,028	3,028	0	0.0%	
12.3%	3,027	3,027	0	0.0%	
13.6%	3,018	3,018	0	0.0%	
14.8%	2,999	3,005	6	0.2%	
16.0%	2,995	2,999	4	0.1%	
17.3%	2,988	2,995	7	0.2%	
18.5%	2,964	2,988	24	0.8%	
19.8%	2,964	2,964	0	0.0%	
21.0%	2,951	2,964	13	0.4%	
22.2%	2,944	2,951	7	0.2%	
23.5%	2,942	2,944	2	0.1%	
24.7%	2,937	2,937	0	0.0%	
25.9%	2,936	2,936	0	0.0%	
27.2%	2,927	2,927	0	0.0%	
28.4%	2,916	2,918	2	0.0%	
29.6%	2,885	2,903	18	0.6%	
30.9%	2,847	2,865	18	0.6%	
32.1%	2,833	2,847	14	0.5%	
33.3%	2,817	2,833	16	0.6%	
34.6%	2,817	2,817	0	0.0%	
35.8%	2,817	2,817	0	0.0%	
37.0%	2,797	2,797	0	0.0%	
38.3%	2,797	2,788	-9	-0.3%	
39.5%	2,788	2,788	0	0.0%	
40.7%	2,788	2,788	0	0.0%	
42.0%	2,788	2,788	0	0.0%	
43.2%	2,788	2,788	0	0.0%	
44.4%	2,788	2,788	0	0.0%	
45.7%	2,788	2,788	0	0.0%	
46.9%	2,788	2,774	-14	-0.5%	
48.1%	2,743	2,757	15	0.5%	
49.4%	2,675	2,751	75	2.8%	
50.6%	2,637	2,742	105	4.0%	
51.9%	2,636	2,674	38	1.4%	
53.1%	2,615	2,626	12	0.4%	
54.3%	2,565	2,620	54	2.1%	
55.6%	2,563	2,595	32	1.2%	
56.8%	2,557	2,572	15	0.6%	
58.0%	2,504	2,568	64	2.6%	
59.3%	2,443	2,559	116	4.7%	
60.5%	2,398	2,499	101	4.2%	
61.7%	2,296	2,470	173	7.5%	
63.0%	2,267	2,421	154	6.8%	
64.2%	2,132	2,185	53	2.5%	
65.4%	2,113	2,151	38	1.8%	
66.7%	2,062	2,109	47	2.3%	
67.9%	1,998	2,081	84	4.2%	
69.1%	1,992	2,019	27	1.4%	
70.4%	1,976	2,013	38	1.9%	
71.6%	1,934	2,009	74	3.8%	
72.8%	1,890	1,992	102	5.4%	
74.1%	1,882	1,965	83	4.4%	
75.3%	1,846	1,921	75	4.1%	
76.5%	1,803	1,844	41	2.2%	
77.8%	1,711	1,782	71	4.2%	
79.0%	1,700	1,728	28	1.6%	
80.2%	1,676	1,697	21	1.2%	
81.5%	1,671	1,697	26	1.6%	
82.7%	1,660	1,673	13	0.8%	
84.0%	1,604	1,643	39	2.4%	
85.2%	1,591	1,631	40	2.5%	
86.4%	1,519	1,558	38	2.5%	
87.7%	1,499	1,540	40	2.7%	
88.9%	1,464	1,508	44	3.0%	
90.1%	1,403	1,495	92	6.6%	
91.4%	1,384	1,488	105	7.6%	
92.6%	1,363	1,484	121	8.9%	
93.8%	1,354	1,421	67	5.0%	
95.1%	1,320	1,353	33	2.5%	
96.3%	1,259	1,302	43	3.4%	
97.5%	1,251	1,268	17	1.4%	
98.8%	1,052	1,144	91	8.7%	
100.0%	826	824	-3	-0.3%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,470	3,470	0	0.0%	
1.2%	3,456	3,456	0	0.0%	
2.5%	3,452	3,452	0	0.0%	
3.7%	3,427	3,433	6	0.2%	
4.9%	3,407	3,427	20	0.6%	
6.2%	3,396	3,406	10	0.3%	
7.4%	3,381	3,396	15	0.4%	
8.6%	3,362	3,361	-1	0.0%	
9.9%	3,361	3,361	0	0.0%	
11.1%	3,356	3,355	-1	0.0%	
12.3%	3,354	3,354	0	0.0%	
13.6%	3,352	3,352	0	0.0%	
14.8%	3,350	3,350	0	0.0%	
16.0%	3,334	3,334	0	0.0%	
17.3%	3,305	3,304	-1	0.0%	
18.5%	3,303	3,303	0	0.0%	
19.8%	3,298	3,298	0	0.0%	
21.0%	3,295	3,295	-1	0.0%	
22.2%	3,293	3,292	-1	0.0%	
23.5%	3,292	3,292	0	0.0%	
24.7%	3,292	3,292	0	0.0%	
25.9%	3,284	3,284	0	0.0%	
27.2%	3,281	3,281	0	0.0%	
28.4%	3,277	3,277	0	0.0%	
29.6%	3,277	3,276	-1	0.0%	
30.9%	3,240	3,240	-1	0.0%	
32.1%	3,238	3,238	0	0.0%	
33.3%	3,236	3,236	0	0.0%	
34.6%	3,235	3,235	0	0.0%	
35.8%	3,233	3,232	-1	0.0%	
37.0%	3,218	3,218	0	0.0%	
38.3%	3,208	3,208	0	0.0%	
39.5%	3,208	3,208	0	0.0%	
40.7%	3,202	3,202	-1	0.0%	
42.0%	3,180	3,180	0	0.0%	
43.2%	3,180	3,180	0	0.0%	
44.4%	3,142	3,142	-1	0.0%	
45.7%	3,138	3,088	-50	-1.6%	
46.9%	3,076	3,078	2	0.1%	
48.1%	3,011	3,063	52	1.7%	
49.4%	2,993	3,019	26	0.9%	
50.6%	2,942	3,000	58	2.0%	
51.9%	2,921	2,998	77	2.6%	
53.1%	2,921	2,992	71	2.4%	
54.3%	2,903	2,957	54	1.8%	
55.6%	2,890	2,934	44	1.5%	
56.8%	2,801	2,926	125	4.5%	
58.0%	2,669	2,759	91	3.4%	
59.3%	2,547	2,728	181	7.1%	
60.5%	2,514	2,695	181	7.2%	
61.7%	2,507	2,546	39	1.6%	
63.0%	2,492	2,527	35	1.4%	
64.2%	2,455	2,522	66	2.7%	
65.4%	2,455	2,508	53	2.2%	
66.7%	2,438	2,506	69	2.8%	
67.9%	2,432	2,467	35	1.5%	
69.1%	2,376	2,352	-24	-1.0%	
70.4%	2,322	2,343	22	0.9%	
71.6%	2,188	2,316	128	5.9%	
72.8%	2,178	2,306	128	5.9%	
74.1%	2,165	2,217	52	2.4%	
75.3%	2,152	2,183	31</		

Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,534	-4	-0.1%
27.2%	3,538	3,517	-21	-0.6%
28.4%	3,538	3,509	-29	-0.8%
29.6%	3,538	3,504	-34	-0.9%
30.9%	3,488	3,483	-7	-0.2%
32.1%	3,466	3,404	-62	-1.8%
33.3%	3,381	3,383	3	0.1%
34.6%	3,312	3,377	65	2.0%
35.8%	3,303	3,342	39	1.2%
37.0%	3,302	3,331	29	0.9%
38.3%	3,290	3,321	31	0.9%
39.5%	3,282	3,299	17	0.5%
40.7%	3,265	3,283	17	0.5%
42.0%	3,258	3,209	-49	-1.5%
43.2%	3,210	3,188	-22	-0.7%
44.4%	3,207	3,166	-41	-1.3%
45.7%	3,103	3,156	53	1.7%
46.9%	3,077	3,112	35	1.1%
48.1%	3,029	3,098	69	2.3%
49.4%	3,022	3,076	54	1.8%
50.6%	3,012	2,981	-31	-1.0%
51.9%	2,960	2,968	8	0.3%
53.1%	2,904	2,966	62	2.1%
54.3%	2,850	2,964	114	4.0%
55.6%	2,806	2,827	20	0.7%
56.8%	2,750	2,821	70	2.6%
58.0%	2,733	2,802	69	2.5%
59.3%	2,621	2,753	132	5.0%
60.5%	2,575	2,650	74	2.9%
61.7%	2,551	2,631	79	3.1%
63.0%	2,477	2,620	143	5.8%
64.2%	2,458	2,613	156	6.3%
65.4%	2,365	2,580	215	9.1%
66.7%	2,282	2,527	245	10.7%
67.9%	2,194	2,479	285	13.0%
69.1%	2,161	2,319	158	7.3%
70.4%	2,138	2,234	97	4.5%
71.6%	2,133	2,232	99	4.6%
72.8%	2,120	2,183	64	3.0%
74.1%	2,104	2,136	32	1.5%
75.3%	2,050	2,100	50	2.5%
76.5%	2,016	2,097	81	4.0%
77.8%	1,968	2,069	101	5.1%
79.0%	1,934	2,067	133	6.9%
80.2%	1,840	2,010	170	9.2%
81.5%	1,730	1,912	182	10.5%
82.7%	1,722	1,896	174	10.1%
84.0%	1,721	1,863	142	8.3%
85.2%	1,699	1,720	21	1.2%
86.4%	1,598	1,593	-5	-0.3%
87.7%	1,447	1,507	60	4.1%
88.9%	1,436	1,506	69	4.8%
90.1%	1,368	1,501	133	9.7%
91.4%	1,241	1,351	110	8.9%
92.6%	1,241	1,348	107	8.6%
93.8%	1,142	1,311	168	14.7%
95.1%	1,141	1,306	165	14.5%
96.3%	1,122	1,270	147	13.1%
97.5%	1,120	1,234	115	10.2%
98.8%	1,118	1,195	77	6.9%
100.0%	682	682	0	0.0%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,535	-3	-0.1%
3.7%	3,538	3,534	-4	-0.1%
4.9%	3,538	3,477	-61	-1.7%
6.2%	3,383	3,440	56	1.7%
7.4%	3,372	3,419	47	1.4%
8.6%	3,343	3,361	18	0.6%
9.9%	3,247	3,342	94	2.9%
11.1%	3,208	3,258	50	1.6%
12.3%	3,180	3,238	58	1.8%
13.6%	3,163	3,212	49	1.5%
14.8%	3,122	3,119	-3	-0.1%
16.0%	3,104	3,108	4	0.1%
17.3%	3,104	3,105	1	0.0%
18.5%	3,057	3,105	47	1.6%
19.8%	3,030	3,065	35	1.2%
21.0%	3,021	3,050	29	1.0%
22.2%	3,015	3,046	31	1.0%
23.5%	3,014	3,033	20	0.7%
24.7%	2,990	3,030	40	1.3%
25.9%	2,990	3,023	33	1.1%
27.2%	2,988	2,984	-4	-0.1%
28.4%	2,975	2,971	-4	-0.1%
29.6%	2,957	2,966	10	0.3%
30.9%	2,895	2,912	17	0.6%
32.1%	2,894	2,855	-39	-1.4%
33.3%	2,765	2,818	53	1.9%
34.6%	2,731	2,796	65	2.4%
35.8%	2,693	2,792	99	3.7%
37.0%	2,690	2,713	22	0.8%
38.3%	2,674	2,704	30	1.1%
39.5%	2,664	2,692	28	1.0%
40.7%	2,657	2,692	35	1.3%
42.0%	2,649	2,671	21	0.8%
43.2%	2,622	2,668	46	1.8%
44.4%	2,601	2,614	13	0.5%
45.7%	2,479	2,608	129	5.2%
46.9%	2,472	2,589	117	4.8%
48.1%	2,449	2,512	63	2.6%
49.4%	2,426	2,475	48	2.0%
50.6%	2,383	2,472	89	3.7%
51.9%	2,381	2,381	0	0.0%
53.1%	2,277	2,375	98	4.3%
54.3%	2,273	2,353	81	3.6%
55.6%	2,242	2,322	80	3.6%
56.8%	2,114	2,308	194	9.2%
58.0%	2,113	2,284	171	8.1%
59.3%	2,056	2,234	178	8.6%
60.5%	2,014	2,165	152	7.5%
61.7%	1,940	2,117	176	9.1%
63.0%	1,845	2,062	217	11.7%
64.2%	1,837	2,051	214	11.7%
65.4%	1,774	1,994	220	12.4%
66.7%	1,692	1,938	245	14.5%
67.9%	1,685	1,933	248	14.7%
69.1%	1,603	1,823	220	13.7%
70.4%	1,574	1,739	164	10.4%
71.6%	1,545	1,697	152	9.8%
72.8%	1,524	1,613	88	5.8%
74.1%	1,504	1,601	96	6.4%
75.3%	1,479	1,564	85	5.8%
76.5%	1,470	1,554	84	5.7%
77.8%	1,460	1,542	82	5.6%
79.0%	1,419	1,522	103	7.3%
80.2%	1,372	1,513	141	10.3%
81.5%	1,241	1,435	194	15.6%
82.7%	1,240	1,326	86	6.9%
84.0%	1,240	1,312	72	5.8%
85.2%	1,234	1,246	12	1.0%
86.4%	1,230	1,241	11	0.9%
87.7%	1,229	1,241	12	1.0%
88.9%	1,228	1,240	13	1.1%
90.1%	1,208	1,240	32	2.7%
91.4%	1,021	1,230	209	20.4%
92.6%	976	1,220	244	25.0%
93.8%	958	1,170	212	22.1%
95.1%	957	1,091	134	14.0%
96.3%	956	1,073	117	12.2%
97.5%	944	1,063	120	12.7%
98.8%	936	1,012	76	8.1%
100.0%	626	626	0	0.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,476	-62	-1.8%
1.2%	3,467	3,467	0	0.0%
2.5%	3,525	3,453	-72	-2.0%
3.7%	3,474	3,446	-27	-0.8%
4.9%	3,468	3,328	-140	-4.0%
6.2%	3,312	3,322	10	0.3%
7.4%	3,286	3,249	-38	-1.2%
8.6%	3,185	3,195	9	0.3%
9.9%	3,113	3,168	55	1.8%
11.1%	3,098	3,116	19	0.6%
12.3%	2,982	2,989	8	0.3%
13.6%	2,981	2,964	-17	-0.6%
14.8%	2,947	2,936	-11	-0.4%
16.0%	2,901	2,920	19	0.7%
17.3%	2,876	2,903	27	0.9%
18.5%	2,822	2,887	65	2.3%
19.8%	2,809	2,881	72	2.6%
21.0%	2,801	2,839	39	1.4%
22.2%	2,752	2,813	61	2.2%
23.5%	2,674	2,691	18	0.7%
24.7%	2,659	2,636	-23	-0.9%
25.9%	2,608	2,626	18	0.7%
27.2%	2,534	2,560	26	1.0%
28.4%	2,483	2,535	43	1.7%
29.6%	2,489	2,495	7	0.3%
30.9%	2,458	2,485	27	1.1%
32.1%	2,430	2,462	31	1.3%
33.3%	2,360	2,440	80	3.4%
34.6%	2,347	2,406	59	2.5%
35.8%	2,303	2,370	68	2.9%
37.0%	2,271	2,358	87	3.8%
38.3%	2,232	2,302	70	3.2%
39.5%	2,224	2,286	62	2.8%
40.7%	2,208	2,247	39	1.7%
42.0%	2,189	2,214	25	1.2%
43.2%	2,192	2,202	29	1.4%
44.4%	2,163	2,186	23	1.1%
45.7%	1,995	2,158	163	8.2%
46.9%	1,985	2,156	171	8.6%
48.1%	1,950	2,114	164	8.4%
49.4%	1,932	2,052	120	6.2%
50.6%	1,914	2,026	111	5.8%
51.9%	1,885	2,005	120	6.3%
53.1%	1,803	1,967	164	9.1%
54.3%	1,772	1,909	137	7.7%
55.6%	1,732	1,802	170	9.8%
56.8%	1,665	1,898	233	14.0%
58.0%	1,662	1,871	208	12.5%
59.3%	1,615	1,856	242	15.0%
60.5%	1,560	1,745	185	11.9%
61.7%	1,543	1,670	127	8.2%
63.0%	1,451	1,661	210	14.5%
64.2%	1,436	1,647	211	14.7%
65.4%	1,402	1,645	243	17.3%
66.7%	1,401	1,625	224	16.0%
67.9%	1,367	1,623	256	18.7%
69.1%	1,352	1,583	232	17.1%
70.4%	1,349	1,582	233	17.2%
71.6%	1,347	1,450	103	7.6%
72.8%	1,280	1,426	146	11.4%
74.1%	1,272	1,375	103	8.1%
75.3%	1,268	1,367	99	7.8%
76.5%	1,242	1,361	119	9.6%
77.8%	1,241	1,353	112	9.0%
79.0%	1,241	1,338	97	7.8%
80.2%	1,239	1,285	47	3.8%
81.5%	1,160	1,242	83	7.1%
82.7%	1,128	1,242	113	10.0%
84.0%	1,124	1,236	112	9.9%
85.2%	1,123	1,180	57	5.1%
86.4%	1,122	1,171	49	4.4%
87.7%	1,121	1,166	45	4.0%
88.9%	1,116	1,148	32	2.9%
90.1%	1,085	1,140	55	5.1%
91.4%	880	1,140	279	32.5%
92.6%	838	1,087	250	29.8%
93.8%	835	1,059	224	26.9%
95.1%	824	962	138	16.

**Figure SW-19-b**  
**Lake Oroville, End of Month Elevation**  
**Probability of Exceedance**

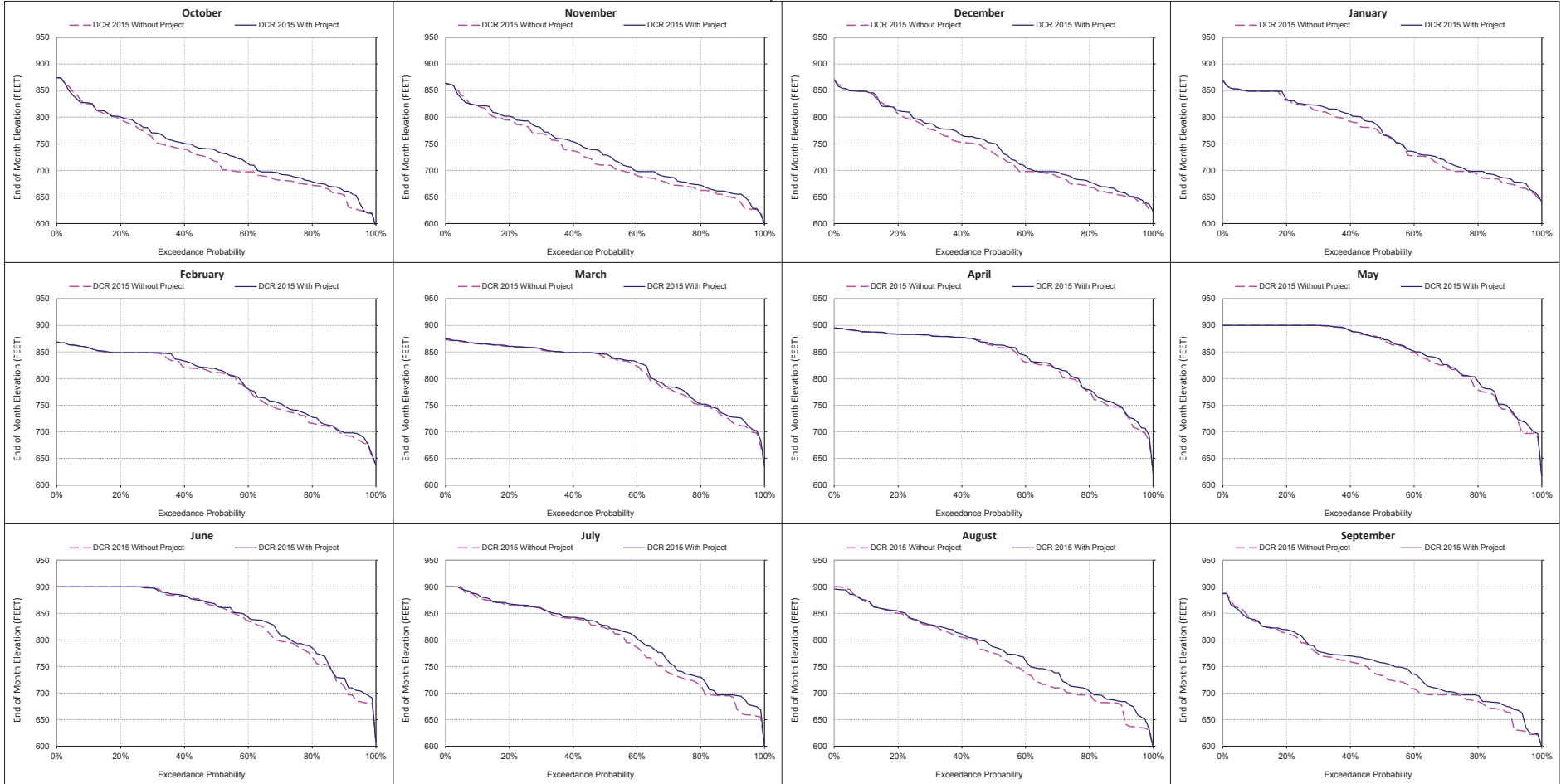


Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	863	864	1	0.1%
3.7%	858	851	-7	-0.9%
4.9%	848	842	-6	-0.8%
6.2%	844	835	-9	-1.0%
7.4%	833	828	-5	-0.6%
8.6%	826	828	2	0.2%
9.9%	825	827	1	0.2%
11.1%	824	825	2	0.2%
12.3%	813	814	1	0.1%
13.6%	811	813	2	0.2%
14.8%	806	812	6	0.7%
16.0%	804	807	3	0.3%
17.3%	802	802	0	0.0%
18.5%	800	802	1	0.2%
19.8%	796	801	5	0.6%
21.0%	792	798	6	0.7%
22.2%	789	787	-2	-0.2%
23.5%	786	796	10	1.3%
24.7%	783	790	7	0.9%
25.9%	777	786	9	1.1%
27.2%	774	781	7	0.8%
28.4%	768	780	12	1.6%
29.6%	764	771	7	0.9%
30.9%	753	771	18	2.4%
32.1%	750	769	19	2.5%
33.3%	749	765	16	2.2%
34.6%	746	758	12	1.7%
35.8%	745	757	12	1.6%
37.0%	743	755	12	1.6%
38.3%	741	753	12	1.6%
39.5%	740	751	11	1.5%
40.7%	740	750	10	1.4%
42.0%	734	749	15	2.0%
43.2%	730	745	15	2.0%
44.4%	729	742	13	1.8%
45.7%	727	742	15	2.0%
46.9%	725	741	16	2.2%
48.1%	722	740	19	2.6%
49.4%	717	739	22	3.0%
50.6%	716	735	19	2.6%
51.9%	701	732	31	4.4%
53.1%	701	731	31	4.4%
54.3%	700	727	27	3.9%
55.6%	699	726	28	3.9%
56.8%	697	722	25	3.6%
58.0%	697	721	23	3.4%
59.3%	697	715	18	2.6%
60.5%	697	710	13	1.8%
61.7%	697	710	13	1.8%
63.0%	691	700	9	1.3%
64.2%	690	697	8	1.1%
65.4%	689	697	8	1.2%
66.7%	688	697	9	1.4%
67.9%	684	697	13	1.9%
69.1%	682	696	14	2.0%
70.4%	682	692	10	1.5%
71.6%	681	692	11	1.6%
72.8%	680	691	10	1.5%
74.1%	679	688	9	1.3%
75.3%	676	687	11	1.6%
76.5%	675	686	10	1.5%
77.8%	674	682	8	1.1%
79.0%	673	681	8	1.1%
80.2%	672	678	6	1.0%
81.5%	671	676	5	0.7%
82.7%	670	675	5	0.8%
84.0%	667	674	7	1.1%
85.2%	665	670	6	0.9%
86.4%	657	669	12	1.8%
87.7%	657	669	12	1.8%
88.9%	656	666	10	1.5%
90.1%	653	661	7	1.1%
91.4%	651	661	10	1.5%
92.6%	629	656	27	4.3%
93.8%	627	653	26	4.2%
95.1%	625	637	12	1.9%
96.3%	623	623	0	0.0%
97.5%	622	619	-3	-0.4%
98.8%	618	619	1	0.2%
100.0%	595	593	-2	-0.3%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	864	864	0	0.0%
1.2%	862	862	0	0.0%
2.5%	860	860	0	0.0%
3.7%	851	844	-7	-0.9%
4.9%	842	836	-6	-0.8%
6.2%	837	828	-9	-1.1%
7.4%	826	826	0	0.0%
8.6%	823	824	1	0.1%
9.9%	822	823	1	0.1%
11.1%	819	822	3	0.4%
12.3%	817	821	4	0.5%
13.6%	808	821	14	1.8%
14.8%	802	809	7	0.9%
16.0%	799	808	9	1.1%
17.3%	799	805	6	0.7%
18.5%	795	819	24	3.0%
19.8%	795	802	7	0.9%
21.0%	794	801	6	0.8%
22.2%	786	794	8	1.0%
23.5%	786	794	8	1.1%
24.7%	784	793	9	1.1%
25.9%	782	793	11	1.5%
27.2%	771	786	15	2.0%
28.4%	769	783	13	1.7%
29.6%	769	781	12	1.6%
30.9%	769	772	4	0.5%
32.1%	765	772	7	0.9%
33.3%	757	778	9	1.2%
34.6%	756	760	4	0.5%
35.8%	755	760	5	0.7%
37.0%	740	759	19	2.6%
38.3%	738	758	19	2.6%
39.5%	737	755	17	2.4%
40.7%	736	753	16	2.2%
42.0%	734	749	16	2.2%
43.2%	726	745	17	2.3%
44.4%	724	741	18	2.4%
45.7%	721	739	18	2.5%
46.9%	712	739	27	3.8%
48.1%	710	737	27	3.8%
49.4%	710	729	19	2.7%
50.6%	709	729	19	2.7%
51.9%	709	742	33	4.7%
53.1%	703	718	16	2.2%
54.3%	700	716	15	2.2%
55.6%	699	710	11	1.6%
56.8%	697	707	11	1.6%
58.0%	696	706	10	1.5%
59.3%	693	700	7	1.0%
60.5%	689	698	9	1.2%
61.7%	688	698	10	1.5%
63.0%	687	698	11	1.6%
64.2%	685	698	12	1.8%
65.4%	685	698	13	1.9%
66.7%	681	692	11	1.6%
67.9%	680	689	10	1.4%
69.1%	677	688	11	1.6%
70.4%	675	687	13	1.9%
71.6%	672	686	14	2.1%
72.8%	672	680	8	1.2%
74.1%	671	678	7	1.0%
75.3%	671	678	7	1.0%
76.5%	669	675	7	1.0%
77.8%	668	674	5	0.8%
79.0%	663	673	11	1.6%
80.2%	662	671	9	1.4%
81.5%	662	668	6	0.9%
82.7%	662	665	4	0.6%
84.0%	660	663	3	0.5%
85.2%	655	661	6	0.9%
86.4%	655	661	6	0.9%
87.7%	653	661	8	1.2%
88.9%	650	658	8	1.2%
90.1%	653	656	3	0.5%
91.4%	651	655	4	0.6%
92.6%	639	655	16	2.5%
93.8%	628	650	22	3.5%
95.1%	627	643	15	2.4%
96.3%	627	629	2	0.3%
97.5%	622	628	6	0.9%
98.8%	621	618	-2	-0.4%
100.0%	600	598	-2	-0.3%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	871	0	0.0%
1.2%	868	868	-3	-0.4%
2.5%	858	854	-4	-0.5%
3.7%	852	854	2	0.2%
4.9%	850	850	0	0.0%
6.2%	850	850	0	0.0%
7.4%	849	849	0	0.0%
8.6%	849	849	0	0.0%
9.9%	849	849	0	0.0%
11.1%	849	846	-3	-0.3%
12.3%	842	846	4	0.5%
13.6%	831	836	5	0.6%
14.8%	828	821	-7	-0.8%
16.0%	822	820	-2	-0.2%
17.3%	821	820	-1	-0.1%
18.5%	821	819	-2	-0.2%
19.8%	807	813	6	0.7%
21.0%	804	811	7	0.9%
22.2%	799	810	12	1.5%
23.5%	796	809	13	1.6%
24.7%	795	799	5	0.6%
25.9%	792	796	4	0.6%
27.2%	788	794	7	0.9%
28.4%	782	789	7	0.9%
29.6%	778	788	10	1.3%
30.9%	776	787	11	1.4%
32.1%	774	781	7	0.9%
33.3%	770	778	9	1.2%
34.6%	765	778	13	1.7%
35.8%	764	777	14	1.8%
37.0%	757	777	20	2.6%
38.3%	755	774	19	2.5%
39.5%	753	768	15	2.0%
40.7%	753	764	11	1.5%
42.0%	751	764	12	1.6%
43.2%	751	764	13	1.7%
44.4%	750	761	12	1.6%
45.7%	748	760	12	1.6%
46.9%	743	758	15	2.0%
48.1%	738	753	15	2.0%
49.4%	735	751	16	2.2%
50.6%	730	750	20	2.8%
51.9%	724	742	17	2.4%
53.1%	722	731	9	1.3%
54.3%	715	729	13	1.8%
55.6%	715	720	5	0.7%
56.8%	707	718	12	1.7%
58.0%	698	712	14	2.0%
59.3%	698	710	12	1.8%
60.5%	698	704	6	0.9%
61.7%	698	702	4	0.5%
63.0%	698	699	1	0.2%
64.2%	696	698	1	0.2%
65.4%	696	698	2	0.3%
66.7%	694	698	4	0.5%
67.9%	694	698	4	0.6%
69.1%	691	698	7	1.0%
70.4%	689	696	8	1.2%
71.6%	685	693	8	1.2%
72.8%	682	691	9	1.4%
74.1%	675	689	14	2.1%
75.3%	674	684	10	1.4%
76.5%	674	683	9	1.3%
77.8%	673	682	9	1.4%
79.0%	672	681	9	1.4%
80.2%	668	678	10	1.5%
81.5%	667	675	8	1.2%
82.7%	662	672	10	1.5%
84.0%	661	669	8	1.2%
85.2%	659	669	10	1.5%
86.4%	657	667	10	1.5%
87.7%	657	666	9	1.4%
88.9%	654	661	6	1.0%
90.1%	653	658	5	0.8%
91.4%	651	657	6	0.9%
92.6%	651	651	1	0.1%
93.8%	649	651	2	0.2%
95.1%	644	648	4	0.6%
96.3%	638	644	6	1.0%
97.5%	638	640	2	0.3%
98.8%	626	636	10	1.6%
100.0%	623	623	0	0.0%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	859	0	0.0%
2.5%	854	854	0	0.0%
3.7%	853	853	0	0.0%
4.9%	853	853	0	0.0%
6.2%	850	850	0	0.0%
7.4%	849	850	1	0.2%
8.6%	849	849	0	0.0%
9.9%	849	849	0	0.0%
11.1%	849	849	0	0.0%
12.3%	849	849	0	0.0%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	839	849	10	1.2%
19.8%	832	835	3	0.4%
21.0%	831	831	0	0.0%
22.2%	831</			

Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	867	867	0	0.0%
2.5%	867	867	0	0.0%
3.7%	864	864	0	0.0%
4.9%	863	863	0	0.0%
6.2%	862	862	0	0.0%
7.4%	861	861	0	0.0%
8.6%	860	860	0	0.0%
9.9%	858	858	0	0.0%
11.1%	856	856	0	0.0%
12.3%	852	852	0	0.0%
13.6%	852	852	0	0.0%
14.8%	850	852	2	0.2%
16.0%	849	850	1	0.1%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	849	849	0	0.0%
28.4%	849	849	0	0.0%
29.6%	849	849	0	0.0%
30.9%	848	849	1	0.1%
32.1%	847	849	2	0.2%
33.3%	845	848	3	0.4%
34.6%	838	847	9	1.1%
35.8%	834	847	13	1.5%
37.0%	834	837	3	0.4%
38.3%	832	836	4	0.5%
39.5%	822	834	12	1.4%
40.7%	820	832	11	1.4%
42.0%	820	830	10	1.2%
43.2%	819	825	6	0.7%
44.4%	819	822	4	0.4%
45.7%	818	821	3	0.3%
46.9%	816	821	5	0.6%
48.1%	812	819	7	0.9%
49.4%	812	819	7	0.9%
50.6%	811	816	5	0.6%
51.9%	811	815	4	0.5%
53.1%	807	810	3	0.4%
54.3%	807	805	-2	-0.2%
55.6%	805	804	-1	-0.1%
56.8%	791	803	12	1.5%
58.0%	789	793	4	0.5%
59.3%	783	783	1	0.1%
60.5%	776	778	2	0.3%
61.7%	767	776	10	1.3%
63.0%	761	765	4	0.5%
64.2%	758	764	6	0.7%
65.4%	753	763	10	1.4%
66.7%	750	758	7	0.9%
67.9%	747	757	11	1.4%
69.1%	743	755	12	1.6%
70.4%	741	752	11	1.4%
71.6%	739	748	8	1.1%
72.8%	737	743	6	0.8%
74.1%	736	741	5	0.7%
75.3%	735	740	5	0.7%
76.5%	730	737	7	0.9%
77.8%	730	735	5	0.7%
79.0%	717	731	14	1.9%
80.2%	716	727	11	1.5%
81.5%	714	726	12	1.7%
82.7%	712	717	5	0.7%
84.0%	711	714	3	0.4%
85.2%	710	713	2	0.4%
86.4%	707	711	4	0.6%
87.7%	707	704	-3	-0.4%
88.9%	698	701	4	0.5%
90.1%	694	698	4	0.6%
91.4%	692	698	6	0.9%
92.6%	691	698	6	0.9%
93.8%	685	697	12	1.8%
95.1%	683	694	11	1.6%
96.3%	678	688	10	1.5%
97.5%	677	676	-1	-0.2%
98.8%	651	656	5	0.7%
100.0%	638	638	0	-0.1%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	872	874	3	0.3%
2.5%	871	872	0	0.0%
3.7%	870	871	1	0.1%
4.9%	870	870	1	0.1%
6.2%	867	870	3	0.3%
7.4%	867	867	0	0.0%
8.6%	867	867	0	0.0%
9.9%	866	866	0	0.0%
11.1%	865	865	0	0.0%
12.3%	865	865	0	0.0%
13.6%	864	864	0	0.0%
14.8%	863	864	0	0.0%
16.0%	863	863	0	0.0%
17.3%	862	863	0	0.1%
18.5%	861	862	2	0.2%
19.8%	861	861	0	0.0%
21.0%	860	861	1	0.1%
22.2%	859	860	0	0.1%
23.5%	859	859	0	0.0%
24.7%	859	859	0	0.0%
25.9%	859	859	0	0.0%
27.2%	858	858	0	0.0%
28.4%	858	858	0	0.0%
29.6%	854	857	3	0.3%
30.9%	850	854	1	0.1%
32.1%	852	853	1	0.1%
33.3%	851	852	1	0.1%
34.6%	851	851	0	0.0%
35.8%	851	851	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	-1	-0.1%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	849	849	0	0.0%
46.9%	849	848	-1	-0.1%
48.1%	846	847	1	0.1%
49.4%	841	846	5	0.6%
50.6%	838	846	7	0.9%
51.9%	838	841	3	0.3%
53.1%	837	838	1	0.1%
54.3%	834	837	4	0.4%
55.6%	833	836	2	0.3%
56.8%	833	834	1	0.1%
58.0%	829	834	4	0.5%
59.3%	825	833	8	1.0%
60.5%	822	829	7	0.8%
61.7%	813	827	14	1.7%
63.0%	810	824	13	1.7%
64.2%	796	802	5	0.7%
65.4%	794	798	4	0.5%
66.7%	789	794	5	0.6%
67.9%	783	791	9	1.1%
69.1%	782	785	3	0.4%
70.4%	780	784	4	0.5%
71.6%	776	784	8	1.0%
72.8%	772	782	10	1.6%
74.1%	771	779	9	1.1%
75.3%	767	775	8	1.0%
76.5%	763	767	4	0.5%
77.8%	753	760	7	1.0%
79.0%	752	755	3	0.4%
80.2%	750	752	2	0.3%
81.5%	749	752	3	0.4%
82.7%	748	749	2	0.2%
84.0%	741	745	5	0.6%
85.2%	739	744	5	0.7%
86.4%	730	735	5	0.6%
87.7%	728	733	5	0.7%
88.9%	724	729	5	0.7%
90.1%	718	727	11	1.6%
91.4%	714	727	13	1.8%
92.6%	711	726	15	2.1%
93.8%	710	718	8	1.2%
95.1%	708	710	4	0.6%
96.3%	699	704	5	0.7%
97.5%	698	702	4	0.6%
98.8%	673	685	11	1.7%
100.0%	635	635	0	-0.1%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	892	893	0	0.0%
4.9%	891	892	1	0.2%
6.2%	890	891	1	0.1%
7.4%	890	890	1	0.1%
8.6%	888	888	0	0.0%
9.9%	888	888	0	0.0%
11.1%	888	887	0	0.0%
12.3%	887	887	0	0.0%
13.6%	887	887	0	0.0%
14.8%	887	887	0	0.0%
16.0%	886	886	0	0.0%
17.3%	884	884	0	0.0%
18.5%	884	884	0	0.0%
19.8%	884	884	0	0.0%
21.0%	883	883	0	0.0%
22.2%	883	883	0	0.0%
23.5%	883	883	0	0.0%
24.7%	883	883	0	0.0%
25.9%	883	883	0	0.0%
27.2%	882	882	0	0.0%
28.4%	882	882	0	0.0%
29.6%	882	882	0	0.0%
30.9%	880	880	0	0.0%
32.1%	879	879	0	0.0%
33.3%	879	879	0	0.0%
34.6%	879	879	0	0.0%
35.8%	879	879	0	0.0%
37.0%	878	878	0	0.0%
38.3%	877	877	0	0.0%
39.5%	877	877	0	0.0%
40.7%	877	877	0	0.0%
42.0%	876	876	0	0.0%
43.2%	875	875	0	0.0%
44.4%	873	873	0	0.0%
45.7%	873	869	-3	-0.4%
46.9%	868	869	0	0.0%
48.1%	864	868	4	0.4%
49.4%	863	865	2	0.2%
50.6%	859	863	4	0.5%
51.9%	858	863	5	0.6%
53.1%	858	863	5	0.6%
54.3%	857	860	4	0.4%
55.6%	856	859	3	0.3%
56.8%	850	858	9	1.0%
58.0%	841	847	6	0.7%
59.3%	832	845	12	1.5%
60.5%	830	842	12	1.5%
61.7%	830	832	3	0.3%
63.0%	829	831	2	0.3%
64.2%	826	831	5	0.5%
65.4%	826	830	4	0.4%
66.7%	825	830	5	0.6%
67.9%	824	827	2	0.3%
69.1%	821	819	-2	-0.2%
70.4%	816	818	2	0.3%
71.6%	802	815	13	1.6%
72.8%	801	814	13	1.6%
74.1%	800	805	5	0.7%
75.3%	799	802	3	0.4%
76.5%	793	800	8	1.0%
77.8%	783	794	1	0.2%
79.0%	777	780	3	0.3%
80.2%	776	779	3	0.4%
81.5%	770	773	3	0.6%
82.7%	759	764	5	0.6%
84.0%	756	762	6	0.8%
85.2%	752	758	7	0.9%
86.4%	747	757	10	1.4%
87.7%	747	754	7	1.0%
88.9%	747	750	3	0.4%
90.1%	745	747	2	0.3%
91.4%	733	735	2	0.3%
92.6%	723	726	3	0.4%
93.8%	708	725	16	2.3%
95.1%	706	718	13	1.8%
96.3%	700	708	7	1.0%
97.5%	697	696	-1	-0.1%
98.8%	682	693	11	1.6%
100.0%	622	622	0	0.0%

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.				



Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	899	-1	-0.2%
28.4%	900	898	-2	-0.2%
29.6%	900	898	-2	-0.3%
30.9%	897	896	0	-0.1%
32.1%	895	891	-4	-0.5%
33.3%	889	889	0	0.0%
34.6%	885	889	4	0.5%
35.8%	884	887	3	0.3%
37.0%	884	886	2	0.2%
38.3%	883	885	2	0.2%
39.5%	882	884	2	0.2%
40.7%	881	883	2	0.1%
42.0%	881	877	-4	-0.4%
43.2%	878	876	-2	-0.2%
44.4%	877	875	-2	-0.3%
45.7%	870	874	4	0.4%
46.9%	868	871	3	0.3%
48.1%	865	870	5	0.5%
49.4%	865	868	3	0.4%
50.6%	864	862	-2	-0.2%
51.9%	860	861	1	0.1%
53.1%	857	861	4	0.5%
54.3%	853	861	8	0.9%
55.6%	850	851	1	0.2%
56.8%	846	851	5	0.6%
58.0%	845	850	5	0.6%
59.3%	837	846	9	1.1%
60.5%	834	839	5	0.6%
61.7%	833	838	5	0.7%
63.0%	828	837	9	1.2%
64.2%	826	837	11	1.3%
65.4%	820	835	15	1.8%
66.7%	812	831	19	2.4%
67.9%	803	828	25	3.1%
69.1%	799	816	16	2.0%
70.4%	797	807	10	1.2%
71.6%	796	807	10	1.3%
72.8%	795	802	7	0.8%
74.1%	794	797	3	0.4%
75.3%	788	793	5	0.7%
76.5%	785	793	8	1.1%
77.8%	780	790	10	1.3%
79.0%	776	790	14	1.8%
80.2%	766	784	17	2.3%
81.5%	755	774	19	2.5%
82.7%	754	772	18	2.4%
84.0%	754	769	15	1.9%
85.2%	752	754	2	0.3%
86.4%	740	739	-1	-0.1%
87.7%	722	729	7	1.0%
88.9%	720	729	8	1.2%
90.1%	712	728	16	2.3%
91.4%	696	710	13	1.9%
92.6%	696	709	13	1.9%
93.8%	684	705	21	3.0%
95.1%	684	704	20	2.9%
96.3%	682	700	18	2.6%
97.5%	682	696	14	2.1%
98.8%	681	691	9	1.4%
100.0%	608	608	0	0.0%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	896	-4	-0.5%
6.2%	899	893	-6	-0.4%
7.4%	899	892	-7	-0.4%
8.6%	897	888	-9	-0.4%
9.9%	890	887	-3	-0.3%
11.1%	877	881	4	0.4%
12.3%	875	879	4	0.5%
13.6%	874	878	4	0.4%
14.8%	872	871	-1	-0.1%
16.0%	870	871	1	0.1%
17.3%	870	870	0	0.0%
18.5%	867	870	3	0.4%
19.8%	865	868	3	0.3%
21.0%	865	867	2	0.2%
22.2%	864	866	2	0.2%
23.5%	864	865	1	0.2%
24.7%	863	865	2	0.3%
25.9%	863	865	2	0.3%
27.2%	862	862	0	0.0%
28.4%	861	861	0	0.0%
29.6%	860	861	1	0.1%
30.9%	856	857	1	0.1%
32.1%	856	853	-3	-0.3%
33.3%	847	851	4	0.4%
34.6%	845	849	4	0.5%
35.8%	842	849	7	0.8%
37.0%	842	844	2	0.2%
38.3%	841	843	2	0.2%
39.5%	840	842	2	0.2%
40.7%	840	842	2	0.3%
42.0%	839	841	2	0.3%
43.2%	837	841	4	0.4%
44.4%	836	837	1	0.1%
45.7%	828	836	8	1.1%
46.9%	827	835	8	1.0%
48.1%	826	830	4	0.5%
49.4%	824	827	3	0.4%
50.6%	821	827	6	0.7%
51.9%	821	821	0	0.0%
53.1%	811	821	9	1.1%
54.3%	811	819	8	1.0%
55.6%	808	816	8	1.0%
56.8%	795	814	20	2.5%
58.0%	794	812	18	2.2%
59.3%	789	807	18	2.3%
60.5%	784	800	16	2.0%
61.7%	777	795	18	2.3%
63.0%	767	789	22	2.9%
64.2%	766	788	22	2.9%
65.4%	760	782	23	3.0%
66.7%	751	776	25	3.4%
67.9%	751	776	25	3.4%
69.1%	741	765	24	3.2%
70.4%	737	756	19	2.6%
71.6%	734	752	18	2.5%
72.8%	731	742	11	1.5%
74.1%	729	740	12	1.6%
75.3%	725	736	10	1.4%
76.5%	724	735	10	1.4%
77.8%	723	733	10	1.4%
79.0%	718	731	13	1.7%
80.2%	712	730	17	2.4%
81.5%	696	720	24	3.4%
82.7%	696	707	10	1.5%
84.0%	696	705	9	1.3%
85.2%	696	697	1	0.2%
86.4%	695	696	1	0.2%
87.7%	695	696	1	0.2%
88.9%	695	696	1	0.2%
90.1%	692	696	4	0.6%
91.4%	670	695	25	3.8%
92.6%	662	694	32	4.8%
93.8%	659	688	29	4.4%
95.1%	659	678	19	2.9%
96.3%	659	676	17	2.6%
97.5%	656	675	19	2.8%
98.8%	655	668	13	2.1%
100.0%	597	597	0	0.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	896	-4	-0.5%
1.2%	900	895	-5	-0.5%
2.5%	899	894	-5	-0.5%
3.7%	896	894	-2	-0.2%
4.9%	895	886	-10	-1.1%
6.2%	885	885	1	0.1%
7.4%	883	880	-3	-0.3%
8.6%	878	877	-1	-0.1%
9.9%	871	875	4	0.4%
11.1%	870	871	1	0.1%
12.3%	862	863	1	0.1%
13.6%	861	861	0	0.0%
14.8%	860	859	-1	-0.1%
16.0%	856	858	2	0.2%
17.3%	855	857	2	0.2%
18.5%	851	856	5	0.5%
19.8%	850	852	2	0.3%
21.0%	850	853	3	0.3%
22.2%	846	850	4	0.5%
23.5%	841	842	1	0.1%
24.7%	840	838	-2	-0.2%
25.9%	836	835	-1	-0.1%
27.2%	831	833	2	0.2%
28.4%	828	830	2	0.2%
29.6%	828	829	1	0.1%
30.9%	826	828	2	0.2%
32.1%	824	826	2	0.3%
33.3%	820	825	5	0.7%
34.6%	819	823	4	0.5%
35.8%	814	820	6	0.8%
37.0%	811	819	8	1.1%
38.3%	807	814	7	0.9%
39.5%	806	812	6	0.8%
40.7%	804	808	4	0.5%
42.0%	802	805	3	0.4%
43.2%	802	803	1	0.1%
44.4%	800	802	2	0.3%
45.7%	782	799	17	2.1%
46.9%	781	799	18	2.2%
48.1%	778	795	17	2.2%
49.4%	776	798	22	2.8%
50.6%	774	785	11	1.5%
51.9%	771	783	12	1.6%
53.1%	763	780	17	2.2%
54.3%	759	773	14	1.8%
55.6%	755	773	17	2.3%
56.8%	748	772	24	3.2%
58.0%	748	770	22	2.9%
59.3%	742	768	26	3.5%
60.5%	735	757	21	2.9%
61.7%	733	749	15	2.1%
63.0%	722	748	26	3.5%
64.2%	720	746	26	3.6%
65.4%	716	746	30	4.1%
66.7%	716	743	27	3.8%
67.9%	712	743	31	4.4%
69.1%	710	738	28	4.0%
70.4%	710	738	28	4.0%
71.6%	709	722	13	1.8%
72.8%	701	719	18	2.5%
74.1%	700	713	13	1.8%
75.3%	700	712	12	1.7%
76.5%	697	711	15	2.1%
77.8%	696	710	14	2.0%
79.0%	696	708	12	1.7%
80.2%	696	702	6	0.8%
81.5%	687	697	10	1.5%
82.7%	683	697	14	2.0%
84.0%	682	696	14	2.0%
85.2%	682	689	7	1.0%
86.4%	682	688	6	0.9%
87.7%	682	687	5	0.8%
88.9%	681	685	4	0.6%
90.1%	677	684	7	1.0%
91.4%	641	684	43	6.6%
92.6%	637	678	40	6.3%
93.8%	637	674	37	5.9%
95.1%	635	660	25	3.9%
96.3%	635	655	20	3.2%
97.5%	630	650	19	2.9%
98.8%	630	632	2	0.3%
100.0%	597	597	0	0.0%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	874	867	-7	-0.8%
3.7%	863	861	-2	-0.3%
4.9%	860	857	-3	-0.4%
6.2%	857	849	-8	-1.0%
7.4%	848	843	-5	-0.6%
8.6%	840	840	0	0.0%
9.9%	835	830	-5	-0.4%
11.1%	834	836	2	0.1%
12.3%	825	826	1	0.1%
13.6%	825	824	-1	-0.1%
14.8%	822	823	1	0.2%
16.0%	821	823	2	0.2%
17.3%	820	822	2	0.3%
18.5%	815	820	5	0.6%
19.8%	813	819	7	0.8%
21.0%	811	818	7	0.9%
22.2%	808	815	7	0.9%

Table SW-20-a  
Lake Oroville, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	8,686	8,594	9,065	9,912	10,951	11,859	12,826	13,295	12,908	11,307	10,290	9,170
DCR 2015 With Project	9,015	8,893	9,306	10,129	11,110	11,985	12,947	13,423	13,109	11,607	10,637	9,523
Difference	329	299	241	217	159	126	121	128	200	300	347	353
Percent Difference <sup>2</sup>	3.8%	3.5%	2.7%	2.2%	1.5%	1.1%	0.9%	1.0%	1.6%	2.7%	3.4%	3.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	11,249	11,075	11,198	12,283	13,396	13,799	15,016	15,701	15,625	14,402	13,666	11,927
DCR 2015 With Project	11,427	11,250	11,331	12,508	13,489	13,827	15,022	15,700	15,628	14,508	13,713	12,095
Difference	177	175	132	226	93	28	6	-1	3	106	46	167
Percent Difference	1.6%	1.6%	1.2%	1.8%	0.7%	0.2%	0.0%	0.0%	0.0%	0.7%	0.3%	1.4%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	9,654	9,421	9,647	10,423	11,979	13,638	14,888	15,607	15,259	13,351	11,892	10,230
DCR 2015 With Project	9,843	9,609	9,810	10,620	12,057	13,646	14,907	15,622	15,287	13,457	12,069	10,445
Difference	188	188	163	197	78	8	19	15	28	106	177	214
Percent Difference	2.0%	2.0%	1.7%	1.9%	0.7%	0.1%	0.1%	0.1%	0.2%	0.8%	1.5%	2.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	7,950	7,877	8,639	9,403	10,581	11,641	12,996	13,726	13,324	11,280	9,540	8,456
DCR 2015 With Project	8,669	8,568	9,296	9,418	10,621	11,688	13,040	13,806	13,482	11,623	10,172	9,196
Difference	719	691	657	15	40	47	80	158	343	632	740	740
Percent Difference	9.0%	8.8%	7.6%	0.2%	0.4%	0.4%	0.3%	0.6%	1.2%	3.0%	6.6%	8.8%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,786	6,821	7,795	8,227	9,123	10,366	11,096	11,260	10,502	8,533	7,633	7,144
DCR 2015 With Project	7,177	7,150	8,003	8,613	9,501	10,730	11,457	11,613	11,054	9,140	8,234	7,581
Difference	392	329	208	386	377	364	362	353	552	607	602	437
Percent Difference	5.8%	4.8%	2.7%	4.7%	4.1%	3.5%	3.3%	3.1%	5.3%	7.1%	7.9%	6.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	5,871	5,890	6,264	7,387	7,797	8,367	8,416	8,320	7,795	6,748	6,235	6,007
DCR 2015 With Project	6,119	6,067	6,385	7,586	7,994	8,560	8,616	8,557	8,118	7,150	6,690	6,323
Difference	248	177	121	198	196	193	201	237	323	403	456	316
Percent Difference	4.2%	3.0%	1.9%	2.7%	2.5%	2.3%	2.4%	2.8%	4.1%	6.0%	7.3%	5.3%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

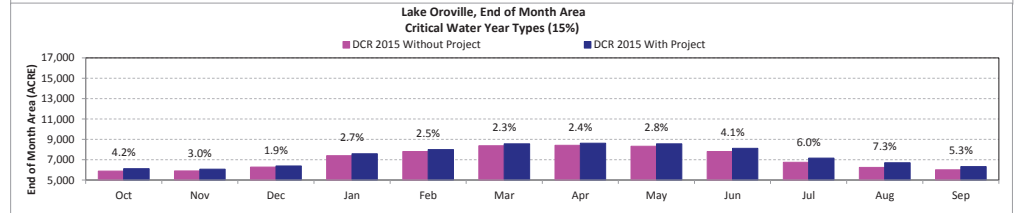
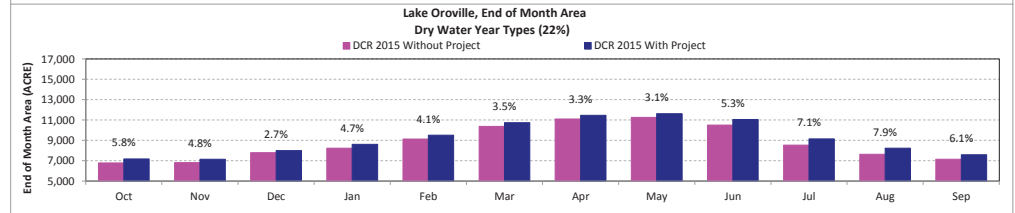
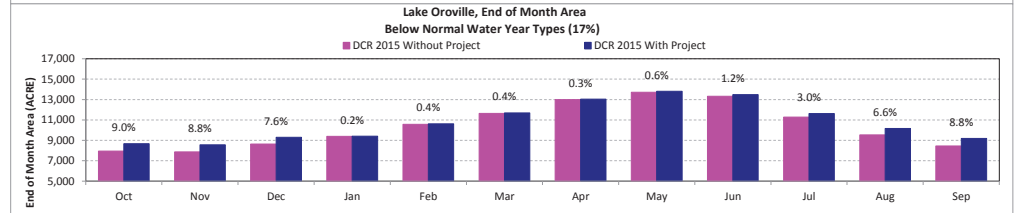
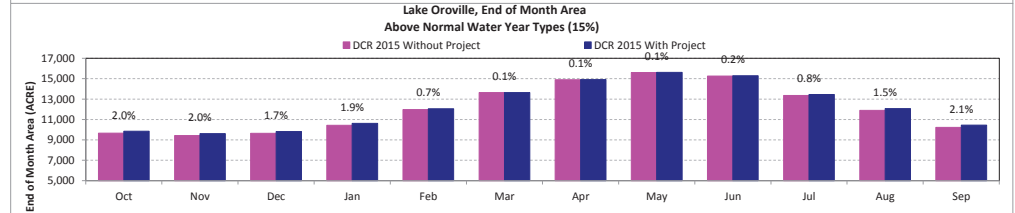
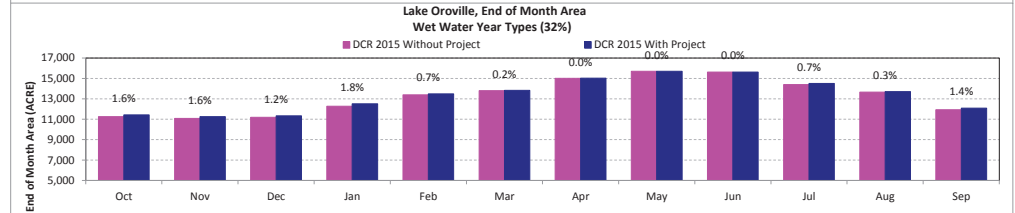
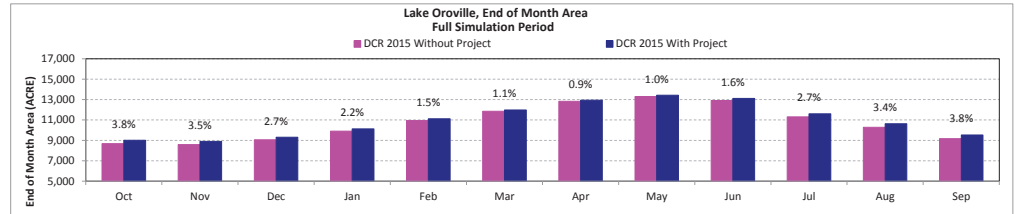


Figure SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

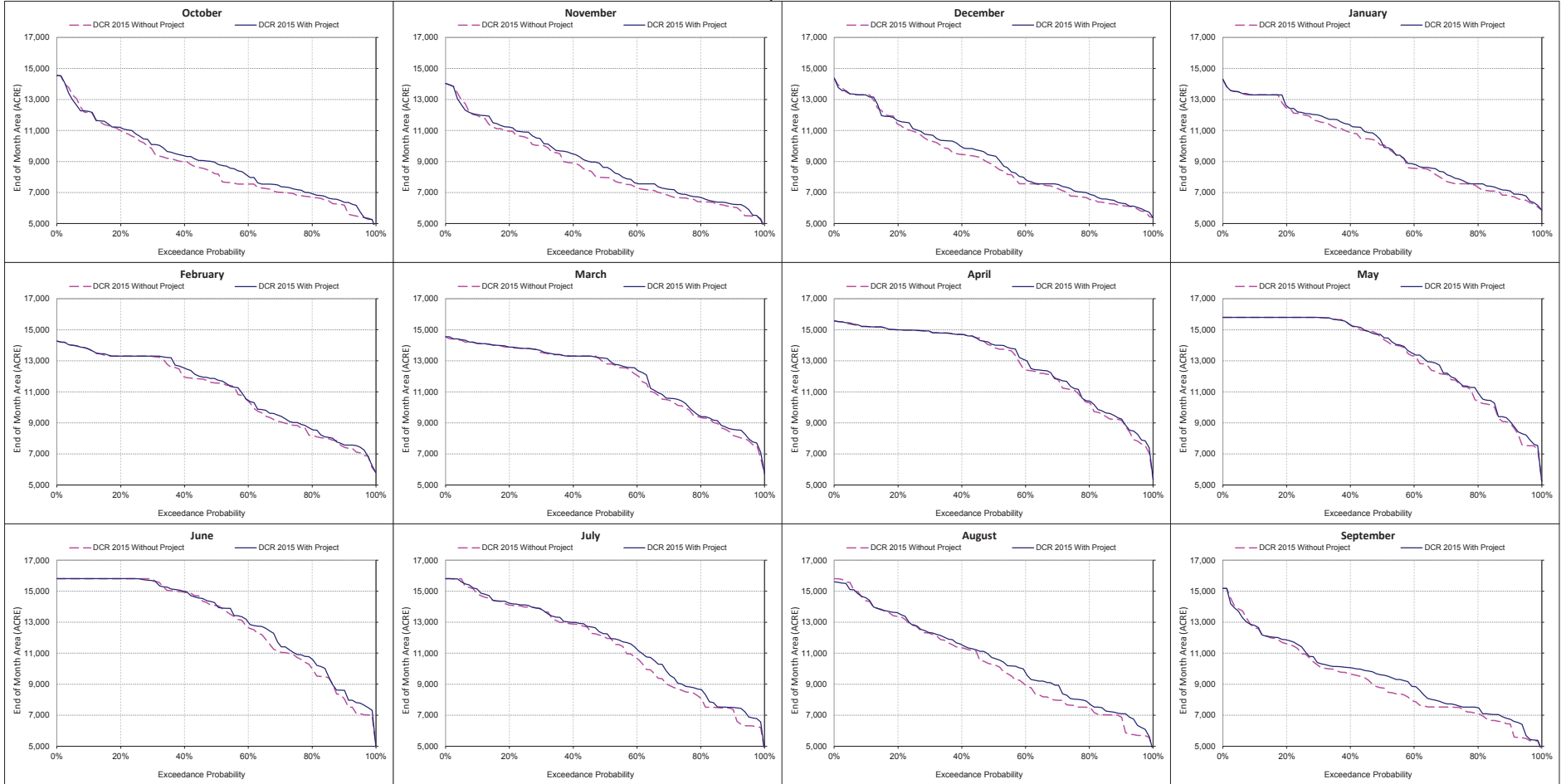


Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,623	14,623	0	0.0%
2.5%	13,989	14,047	59	0.4%
3.7%	13,779	13,419	-359	-2.6%
4.9%	13,286	12,970	-317	-2.4%
6.2%	13,059	12,627	-432	-3.3%
7.4%	12,525	12,272	-253	-2.0%
8.6%	12,176	12,269	93	0.8%
9.9%	12,164	12,236	72	0.6%
11.1%	12,089	12,168	79	0.7%
12.3%	11,616	11,659	43	0.4%
13.6%	11,543	11,616	73	0.6%
14.8%	11,382	11,595	213	1.9%
16.0%	11,321	11,422	101	0.9%
17.3%	11,230	11,231	1	0.0%
18.5%	11,170	11,225	54	0.5%
19.8%	11,015	11,203	188	1.7%
21.0%	10,876	11,089	213	2.0%
22.2%	10,777	11,036	259	2.4%
23.5%	10,645	11,004	359	3.4%
24.7%	10,543	10,786	243	2.3%
25.9%	10,326	10,648	321	3.1%
27.2%	10,215	10,453	238	2.3%
28.4%	10,001	10,445	444	4.4%
29.6%	9,850	10,097	247	2.5%
30.9%	9,441	10,091	650	6.9%
32.1%	9,353	10,037	684	7.3%
33.3%	9,292	9,881	589	6.3%
34.6%	9,203	9,644	441	4.8%
35.8%	9,177	9,597	420	4.6%
37.0%	9,106	9,513	407	4.5%
38.3%	9,026	9,446	420	4.7%
39.5%	8,999	9,389	390	4.3%
40.7%	8,983	9,325	342	3.8%
42.0%	8,908	9,128	220	2.5%
43.2%	8,872	9,178	306	3.4%
44.4%	8,815	9,065	250	2.8%
45.7%	8,866	9,061	195	2.2%
46.9%	8,488	9,027	539	6.4%
48.1%	8,370	9,016	646	7.7%
49.4%	8,225	8,963	737	9.0%
50.6%	8,182	8,813	632	7.7%
51.9%	7,681	8,737	1,056	13.7%
53.1%	7,659	8,705	1,047	13.7%
54.3%	7,642	8,574	932	12.2%
55.6%	7,595	8,532	936	12.3%
56.8%	7,548	8,309	761	10.1%
58.0%	7,547	8,342	795	10.5%
59.3%	7,547	8,152	605	8.0%
60.5%	7,545	7,980	435	5.8%
61.7%	7,543	7,973	430	5.7%
63.0%	7,322	7,628	306	4.2%
64.2%	7,291	7,547	256	3.5%
65.4%	7,256	7,545	289	4.0%
66.7%	7,222	7,545	323	4.5%
67.9%	7,091	7,531	439	6.2%
69.1%	7,026	7,486	460	6.6%
70.4%	7,013	7,363	350	5.0%
71.6%	6,986	7,351	365	5.2%
72.8%	6,967	7,322	356	5.1%
74.1%	6,931	7,241	310	4.5%
75.3%	6,813	7,184	372	5.5%
76.5%	6,801	7,148	347	5.1%
77.8%	6,756	7,011	255	3.8%
79.0%	6,732	6,989	257	3.8%
80.2%	6,681	6,902	221	3.3%
81.5%	6,662	6,823	161	2.4%
82.7%	6,629	6,801	172	2.6%
84.0%	6,514	6,564	240	3.7%
85.2%	6,466	6,632	166	2.6%
86.4%	6,282	6,593	311	4.9%
87.7%	6,265	6,574	309	4.9%
88.9%	6,247	6,489	243	3.9%
90.1%	6,180	6,365	186	3.0%
91.4%	5,592	6,363	771	13.8%
92.6%	5,535	6,243	709	12.8%
93.8%	5,482	6,165	683	12.5%
95.1%	5,427	6,745	317	5.8%
96.3%	5,377	5,361	-16	-0.1%
97.5%	5,353	5,283	-70	-1.3%
98.8%	5,237	5,273	36	0.7%
100.0%	4,622	4,674	52	1.1%

Percent Exceedance Probability (%)	November			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,037	14,037	0	0.0%
1.2%	13,947	13,947	0	0.0%
2.5%	13,844	13,844	0	0.0%
3.7%	13,425	13,065	-360	-2.7%
4.9%	12,979	12,662	-317	-2.4%
6.2%	12,730	12,298	-432	-3.4%
7.4%	12,185	12,170	-15	-0.1%
8.6%	12,028	12,088	60	0.5%
9.9%	11,980	12,030	50	0.4%
11.1%	11,835	11,984	148	1.3%
12.3%	11,776	11,965	188	1.6%
13.6%	11,395	11,932	537	4.7%
14.8%	11,226	11,494	268	2.4%
16.0%	11,118	11,448	330	3.0%
17.3%	11,116	11,328	212	1.9%
18.5%	10,990	11,233	243	2.2%
19.8%	10,963	11,225	263	2.4%
21.0%	10,847	11,180	333	3.1%
22.2%	10,667	11,067	293	2.7%
23.5%	10,635	10,939	305	2.9%
24.7%	10,594	10,908	314	3.0%
25.9%	10,489	10,905	416	4.0%
27.2%	10,103	10,656	553	5.5%
28.4%	10,047	10,526	478	4.8%
29.6%	9,036	10,481	1,445	15.9%
30.9%	10,023	10,154	131	1.3%
32.1%	9,880	10,127	247	2.5%
33.3%	9,596	9,925	329	3.4%
34.6%	9,575	9,722	147	1.5%
35.8%	9,504	9,688	184	1.9%
37.0%	9,091	9,665	574	6.3%
38.3%	8,940	9,614	674	7.5%
39.5%	8,903	9,506	603	6.8%
40.7%	8,876	9,441	565	6.4%
42.0%	8,818	9,298	480	5.4%
43.2%	8,835	9,114	279	3.2%
44.4%	8,439	9,036	597	7.1%
45.7%	8,363	8,971	608	7.3%
46.9%	8,053	8,967	914	11.3%
48.1%	7,981	8,899	918	11.5%
49.4%	7,974	8,822	848	10.6%
50.6%	7,958	8,619	660	8.3%
51.9%	7,954	8,492	538	6.8%
53.1%	7,729	8,261	532	6.9%
54.3%	7,643	8,169	526	6.9%
55.6%	7,614	7,983	369	4.8%
56.8%	7,521	7,891	370	4.9%
58.0%	7,508	7,859	351	4.7%
59.3%	7,384	7,626	242	3.3%
60.5%	7,269	7,560	292	4.0%
61.7%	7,216	7,560	345	4.8%
63.0%	7,181	7,560	380	5.3%
64.2%	7,145	7,560	415	5.8%
65.4%	7,126	7,560	434	6.1%
66.7%	7,004	7,375	371	5.3%
67.9%	6,955	7,281	326	4.7%
69.1%	6,870	7,237	367	5.3%
70.4%	6,772	7,208	436	6.4%
71.6%	6,692	7,176	485	7.2%
72.8%	6,678	7,322	276	4.1%
74.1%	6,654	6,893	239	3.6%
75.3%	6,648	6,883	235	3.5%
76.5%	6,573	6,794	221	3.4%
77.8%	6,565	6,739	174	2.7%
79.0%	6,416	6,728	313	4.9%
80.2%	6,405	6,668	263	4.1%
81.5%	6,403	6,563	160	2.5%
82.7%	6,388	6,485	97	1.5%
84.0%	6,352	6,432	80	1.3%
85.2%	6,232	6,383	151	2.4%
86.4%	6,220	6,373	152	2.5%
87.7%	6,157	6,362	205	3.3%
88.9%	6,095	6,298	204	3.3%
90.1%	6,065	6,308	243	4.0%
91.4%	6,025	6,219	194	3.2%
92.6%	5,811	6,218	407	7.0%
93.8%	5,505	6,089	584	10.6%
95.1%	5,498	5,905	407	7.4%
96.3%	5,477	5,535	59	1.1%
97.5%	5,465	5,469	4	0.1%
98.8%	5,317	5,256	-61	-1.1%
100.0%	4,748	4,694	-54	-1.1%

Percent Exceedance Probability (%)	December			
	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,367	14,367	0	0.0%
1.2%	13,933	13,777	-156	-1.1%
2.5%	13,777	13,573	-204	-1.5%
3.7%	13,485	13,564	79	0.6%
4.9%	13,364	13,364	0	0.0%
6.2%	13,374	13,344	-30	-0.2%
7.4%	13,304	13,304	0	0.0%
8.6%	13,304	13,304	0	0.0%
9.9%	13,304	13,304	0	0.0%
11.1%	13,297	13,168	-129	-1.0%
12.3%	12,957	13,157	200	1.5%
13.6%	12,452	12,701	249	2.0%
14.8%	12,292	11,953	-338	-2.8%
16.0%	12,003	11,910	-93	-0.8%
17.3%	11,950	11,901	-49	-0.4%
18.5%	11,932	11,843	-90	-0.8%
19.8%	11,430	11,646	216	1.9%
21.0%	11,299	11,561	262	2.3%
22.2%	11,114	11,117	3	0.0%
23.5%	11,030	11,504	474	4.3%
24.7%	10,961	11,128	167	1.5%
25.9%	10,870	11,029	160	1.5%
27.2%	10,708	10,956	247	2.3%
28.4%	10,505	10,757	252	2.4%
29.6%	10,353	10,730	376	3.6%
30.9%	10,298	10,695	397	3.9%
32.1%	10,222	10,481	259	2.5%
33.3%	10,051	10,373	323	3.2%
34.6%	9,877	10,352	475	4.8%
35.8%	9,834	10,340	506	5.1%
37.0%	9,596	10,312	716	7.5%
38.3%	9,510	10,201	691	7.3%
39.5%	9,459	10,003	543	5.7%
40.7%	9,445	9,850	405	4.3%
42.0%	9,392	9,312	-80	-0.8%
43.2%	9,376	9,845	469	5.0%
44.4%	9,325	9,748	423	4.5%
45.7%	9,279	9,706	427	4.6%
46.9%	9,095	9,631	536	5.9%
48.1%	8,942	9,448	506	5.7%
49.4%	8,834	9,386	552	6.3%
50.6%	8,650	9,337	687	7.9%
51.9%	8,471	9,052	581	6.9%
53.1%	8,376	8,699	322	3.8%
54.3%	8,164	8,612	448	5.5%
55.6%	8,151	8,333	181	2.2%
56.8%	8,067	8,267	200	2.5%
58.0%	7,565	8,035	470	6.2%
59.3%	7,565	7,985	421	5.6%
60.5%	7,564	7,770	206	2.7%
61.7%	7,563	7,692	128	1.7%
63.0%	7,554	7,595	41	0.5%
64.2%	7,515	7,566	50	0.7%
65.4%	7,503	7,565	62	0.8%
66.7%	7,442	7,565	123	1.6%
67.9%	7,429	7,565	136	1.8%
69.1%	7,325	7,564	239	3.3%
70.4%	7,224	7,506	282	3.9%
71.6%	7,118	7,397	278	3.9%
72.8%	7,028	7,342	314	4.5%
74.1%	6,774	7,257	483	7.1%
75.3%	6,766	7,097	332	4.9%
76.5%	6,742	7,051	309	4.6%
77.8%	6,712	7,026	314	4.7%
79.0%	6,675	6,992	317	4.7%
80.2%	6,545	6,881	336	5.1%
81.5%	6,530	6,802	272	4.2%
82.7%	6,388	6,674	286	4.5%
84.0%	6,382	6,590	207	3.3%
85.2%	6,321	6,587	266	4.2%
86.4%	6,280	6,530	250	4.0%
87.7				

Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	14,271	14,271	0	0.0%	
1.2%	14,204	14,204	0	0.0%	
2.5%	14,201	14,201	0	0.0%	
3.7%	14,041	14,041	0	0.0%	
4.9%	14,001	14,001	0	0.0%	
6.2%	13,967	13,967	0	0.0%	
7.4%	13,884	13,884	0	0.0%	
8.6%	13,851	13,851	0	0.0%	
9.9%	13,761	13,761	0	0.0%	
11.1%	13,644	13,644	0	0.0%	
12.3%	13,467	13,508	41	0.3%	
13.6%	13,451	13,480	9	0.1%	
14.8%	13,364	13,451	87	0.6%	
16.0%	13,304	13,364	60	0.1%	
17.3%	13,304	13,304	0	0.0%	
18.5%	13,304	13,304	0	0.0%	
19.8%	13,304	13,304	0	0.0%	
21.0%	13,304	13,304	0	0.0%	
22.2%	13,304	13,304	0	0.0%	
23.5%	13,304	13,304	0	0.0%	
24.7%	13,304	13,304	0	0.0%	
25.9%	13,304	13,304	0	0.0%	
27.2%	13,304	13,304	0	0.0%	
28.4%	13,304	13,304	0	0.0%	
29.6%	13,301	13,304	3	0.0%	
30.9%	13,255	13,304	49	0.4%	
32.1%	13,230	13,301	71	0.5%	
33.3%	13,097	13,247	149	1.1%	
34.6%	12,783	13,223	440	3.4%	
35.8%	12,579	13,197	618	4.9%	
37.0%	12,570	13,222	652	5.2%	
38.3%	12,482	12,674	193	1.5%	
39.5%	11,988	12,569	581	4.8%	
40.7%	11,918	12,463	545	4.6%	
42.0%	11,891	12,373	483	4.1%	
43.2%	11,856	12,144	288	2.4%	
44.4%	11,843	12,013	169	1.4%	
45.7%	11,827	11,953	126	1.1%	
46.9%	11,744	11,937	193	1.6%	
48.1%	11,813	11,872	259	2.2%	
49.4%	11,579	11,862	282	2.4%	
50.6%	11,567	11,742	175	1.5%	
51.9%	11,559	11,699	140	1.2%	
53.1%	11,431	11,540	109	1.0%	
54.3%	11,416	11,356	-60	-0.5%	
55.6%	11,345	11,305	-40	-0.4%	
56.8%	10,821	11,258	436	4.0%	
58.0%	10,773	10,919	147	1.4%	
59.3%	10,530	10,553	23	0.2%	
60.5%	10,302	10,374	72	0.7%	
61.7%	9,940	10,299	359	3.6%	
63.0%	9,750	9,979	229	2.3%	
64.2%	9,649	9,856	206	2.1%	
65.4%	9,432	9,809	377	4.0%	
66.7%	9,356	9,615	259	2.8%	
67.9%	9,223	9,606	383	4.2%	
69.1%	9,103	9,507	403	4.4%	
70.4%	9,050	9,419	369	4.1%	
71.6%	8,974	9,257	283	3.2%	
72.8%	8,907	9,100	193	2.2%	
74.1%	8,847	9,023	176	2.0%	
75.3%	8,840	9,016	176	2.0%	
76.5%	8,669	8,904	235	2.7%	
77.8%	8,664	8,828	164	1.9%	
79.0%	8,209	8,683	474	5.8%	
80.2%	8,172	8,546	375	4.6%	
81.5%	8,107	8,520	413	5.1%	
82.7%	8,041	8,219	178	2.2%	
84.0%	8,018	8,105	87	1.1%	
85.2%	7,982	8,067	85	1.1%	
86.4%	7,884	8,020	136	1.7%	
87.7%	7,860	7,772	-88	-1.1%	
88.9%	7,562	7,685	123	1.6%	
90.1%	7,421	7,570	149	2.0%	
91.4%	7,380	7,562	202	2.7%	
92.6%	7,349	7,562	213	2.9%	
93.8%	7,116	7,532	416	5.8%	
95.1%	7,071	7,432	362	5.1%	
96.3%	6,888	7,244	357	5.2%	
97.5%	6,866	7,141	275	4.0%	
98.8%	6,120	6,241	121	2.0%	
100.0%	5,796	5,783	-13	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	14,554	14,554	0	0.0%	
1.2%	14,421	14,421	0	0.0%	
2.5%	14,411	14,421	10	0.1%	
3.7%	14,361	14,411	50	0.3%	
4.9%	14,331	14,361	30	0.2%	
6.2%	14,207	14,331	123	0.9%	
7.4%	14,204	14,207	3	0.0%	
8.6%	14,191	14,204	13	0.1%	
9.9%	14,131	14,131	0	0.0%	
11.1%	14,104	14,104	0	0.0%	
12.3%	14,101	14,027	-74	-0.5%	
13.6%	14,071	14,071	0	0.0%	
14.8%	14,007	14,027	20	0.1%	
16.0%	13,994	14,071	77	0.6%	
17.3%	13,971	13,994	23	0.2%	
18.5%	13,891	13,971	80	0.6%	
19.8%	13,891	13,891	0	0.0%	
21.0%	13,847	13,891	43	0.3%	
22.2%	13,824	13,847	23	0.2%	
23.5%	13,816	13,824	8	0.1%	
24.7%	13,801	13,801	0	0.0%	
25.9%	13,797	13,797	0	0.0%	
27.2%	13,767	13,767	0	0.0%	
28.4%	13,737	13,737	0	0.0%	
29.6%	13,660	13,687	27	0.2%	
30.9%	13,501	13,560	59	0.4%	
32.1%	13,454	13,501	47	0.3%	
33.3%	13,401	13,454	53	0.4%	
34.6%	13,401	13,401	0	0.0%	
35.8%	13,401	13,401	0	0.0%	
37.0%	13,334	13,334	0	0.0%	
38.3%	13,334	13,304	-30	-0.2%	
39.5%	13,304	13,304	0	0.0%	
40.7%	13,304	13,304	0	0.0%	
42.0%	13,304	13,304	0	0.0%	
43.2%	13,304	13,304	0	0.0%	
44.4%	13,304	13,304	0	0.0%	
45.7%	13,304	13,304	0	0.0%	
46.9%	13,304	13,259	-45	-0.3%	
48.1%	13,153	13,202	49	0.4%	
49.4%	12,931	13,190	259	2.0%	
50.6%	12,801	13,150	350	2.7%	
51.9%	12,798	12,925	127	1.0%	
53.1%	12,727	12,765	39	0.3%	
54.3%	12,562	12,743	181	1.4%	
55.6%	12,554	12,680	107	0.8%	
56.8%	12,536	12,585	49	0.4%	
58.0%	12,359	12,572	213	1.7%	
59.3%	12,156	12,541	385	3.2%	
60.5%	12,005	12,341	336	2.8%	
61.7%	11,843	12,243	600	5.2%	
63.0%	11,535	12,061	546	4.7%	
64.2%	11,029	11,229	200	1.8%	
65.4%	10,958	11,100	143	1.3%	
66.7%	10,769	10,943	174	1.6%	
67.9%	10,528	10,840	312	3.0%	
69.1%	10,505	10,607	101	1.0%	
70.4%	10,445	10,568	141	1.3%	
71.6%	10,291	10,568	277	2.7%	
72.8%	10,125	10,505	380	3.7%	
74.1%	10,093	10,404	311	3.1%	
75.3%	9,959	10,240	281	2.8%	
76.5%	9,800	9,951	151	1.5%	
77.8%	9,456	9,722	266	2.8%	
79.0%	9,414	9,518	104	1.1%	
80.2%	9,325	9,403	79	0.8%	
81.5%	9,301	9,403	101	1.1%	
82.7%	9,255	9,310	55	0.6%	
84.0%	9,023	9,185	162	1.8%	
85.2%	8,972	9,136	165	1.8%	
86.4%	8,673	8,833	160	1.8%	
87.7%	8,590	8,757	167	1.9%	
88.9%	8,442	8,625	183	2.2%	
90.1%	8,199	8,573	383	4.7%	
91.4%	8,110	8,544	434	5.4%	
92.6%	8,023	8,526	504	6.3%	
93.8%	7,985	8,264	279	3.5%	
95.1%	7,844	7,981	137	1.7%	
96.3%	7,591	7,769	178	2.3%	
97.5%	7,557	7,701	144	1.9%	
98.8%	6,735	7,114	379	5.6%	
100.0%	5,709	5,686	-23	-0.2%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	15,577	15,577	0	0.0%	
1.2%	15,530	15,530	0	0.0%	
2.5%	15,517	15,517	0	0.0%	
3.7%	15,434	15,454	20	0.1%	
4.9%	15,366	15,434	68	0.4%	
6.2%	15,300	15,363	63	0.4%	
7.4%	15,282	15,330	49	0.3%	
8.6%	15,216	15,213	-3	-0.0%	
9.9%	15,214	15,131	-83	-0.5%	
11.1%	15,197	15,195	-2	-0.0%	
12.3%	15,190	15,190	0	0.0%	
13.6%	15,184	15,184	0	0.0%	
14.8%	15,177	15,177	0	0.0%	
16.0%	15,124	15,124	0	0.0%	
17.3%	15,027	15,024	-3	-0.0%	
18.5%	15,020	15,020	0	0.0%	
19.8%	15,004	15,004	0	0.0%	
21.0%	14,995	14,992	-3	-0.0%	
22.2%	14,987	14,985	-2	-0.0%	
23.5%	14,984	14,984	0	0.0%	
24.7%	14,984	14,984	0	0.0%	
25.9%	14,957	14,957	0	0.0%	
27.2%	14,947	14,947	0	0.0%	
28.4%	14,934	14,934	0	0.0%	
29.6%	14,932	14,931	-1	-0.0%	
30.9%	14,811	14,809	-2	-0.0%	
32.1%	14,804	14,804	0	0.0%	
33.3%	14,797	14,797	0	0.0%	
34.6%	14,794	14,794	0	0.0%	
35.8%	14,787	14,785	-2	-0.0%	
37.0%	14,737	14,737	0	0.0%	
38.3%	14,704	14,704	0	0.0%	
39.5%	14,704	14,704	0	0.0%	
40.7%	14,685	14,683	-2	-0.0%	
42.0%	14,612	14,611	-1	-0.0%	
43.2%	14,611	14,610	-1	-0.0%	
44.4%	14,484	14,483	-1	-0.0%	
45.7%	14,470	14,305	-166	-1.1%	
46.9%	14,263	14,269	6	0.0%	
48.1%	14,049	14,220	172	1.2%	
49.4%	13,988	14,074	86	0.6%	
50.6%	13,819	14,012	193	1.4%	
51.9%	13,748	14,005	256	1.9%	
53.1%	13,747	13,983	236	1.7%	
54.3%	13,688	13,866	179	1.3%	
55.6%	13,645	13,791	146	1.1%	
56.8%	13,348	13,754	416	3.1%	
58.0%	12,907	13,209	302	2.3%	
59.3%	12,501	13,105	603	4.8%	
60.5%	12,390	12,993	603	4.9%	
61.7%	12,367	12,498	130	1.1%	
63.0%	12,316	12,434	118	1.0%	
64.2%	12,195	12,416	221	1.8%	
65.4%	12,193	12,37			

Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	-0.1%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,791	-13	-0.1%
27.2%	15,804	15,735	-68	-0.4%
28.4%	15,804	15,708	-97	-0.6%
29.6%	15,804	15,692	-112	-0.7%
30.9%	15,641	15,619	-22	-0.1%
32.1%	15,562	15,357	-206	-1.3%
33.3%	15,279	15,289	9	0.1%
34.6%	15,052	15,267	216	1.4%
35.8%	15,021	15,150	129	0.9%
37.0%	15,017	15,114	96	0.6%
38.3%	14,976	15,080	104	0.7%
39.5%	14,950	15,007	57	0.4%
40.7%	14,895	14,953	57	0.4%
42.0%	14,707	14,770	63	0.4%
43.2%	14,709	14,638	-71	-0.5%
44.4%	14,700	14,565	-135	-0.9%
45.7%	14,353	14,531	178	1.2%
46.9%	14,267	14,383	115	0.8%
48.1%	14,109	14,339	230	1.6%
49.4%	14,085	14,163	78	0.5%
50.6%	14,050	13,946	-104	-0.7%
51.9%	13,876	13,903	27	0.2%
53.1%	13,691	13,897	207	1.5%
54.3%	13,511	13,891	380	2.8%
55.6%	13,365	13,433	68	0.5%
56.8%	13,178	13,413	235	1.8%
58.0%	13,121	13,351	230	1.8%
59.3%	12,747	13,187	440	3.4%
60.5%	12,595	12,843	248	2.0%
61.7%	12,515	12,719	205	1.6%
63.0%	12,266	12,743	476	3.9%
64.2%	12,203	12,722	519	4.3%
65.4%	11,895	12,612	717	6.0%
66.7%	11,591	12,435	844	7.3%
67.9%	11,261	12,276	1,015	9.0%
69.1%	11,137	11,727	590	5.3%
70.4%	11,050	11,411	361	3.3%
71.6%	11,032	11,402	370	3.4%
72.8%	10,983	11,221	238	2.2%
74.1%	10,924	11,044	120	1.1%
75.3%	10,721	10,909	188	1.8%
76.5%	10,597	10,899	302	2.9%
77.8%	10,416	10,793	377	3.6%
79.0%	10,288	10,785	496	4.8%
80.2%	9,938	10,574	636	6.4%
81.5%	9,525	10,206	681	7.1%
82.7%	9,497	10,149	652	6.9%
84.0%	9,493	9,932	439	4.6%
85.2%	9,410	9,489	79	0.8%
86.4%	8,999	8,980	-19	-0.2%
87.7%	8,372	8,620	248	3.0%
88.9%	8,328	8,616	288	3.5%
90.1%	8,045	8,598	553	6.9%
91.4%	7,519	8,175	655	8.7%
92.6%	7,517	7,961	444	5.9%
93.8%	7,108	7,808	699	9.8%
95.1%	7,100	7,786	685	9.7%
96.3%	7,024	7,636	612	8.7%
97.5%	7,014	7,490	476	6.8%
98.8%	7,007	7,326	319	4.6%
100.0%	4,978	4,691	0	0.0%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,793	-10	-0.1%
3.7%	15,804	15,790	-14	-0.1%
4.9%	15,804	15,600	-204	-1.3%
6.2%	15,288	15,476	188	1.2%
7.4%	15,251	15,407	156	1.0%
8.6%	15,153	15,215	62	0.4%
9.9%	14,834	15,149	314	2.1%
11.1%	14,704	14,872	168	1.1%
12.3%	14,610	14,804	194	1.3%
13.6%	14,553	14,716	163	1.1%
14.8%	14,418	14,408	-10	-0.1%
16.0%	14,358	14,372	14	0.1%
17.3%	14,356	14,361	5	0.0%
18.5%	14,201	14,359	158	1.1%
19.8%	14,112	14,229	116	0.8%
21.0%	14,080	14,177	97	0.7%
22.2%	14,062	14,164	102	0.7%
23.5%	14,056	14,122	66	0.5%
24.7%	13,977	14,110	132	0.9%
25.9%	13,976	14,087	111	0.8%
27.2%	13,927	13,958	-14	-0.1%
28.4%	13,926	13,912	-13	-0.1%
29.6%	13,866	13,899	33	0.2%
30.9%	13,661	13,717	56	0.4%
32.1%	13,656	13,526	-131	-1.0%
33.3%	13,228	13,405	178	1.3%
34.6%	13,116	13,331	215	1.6%
35.8%	12,987	13,317	330	2.5%
37.0%	12,979	13,053	74	0.6%
38.3%	12,924	13,024	100	0.8%
39.5%	12,892	12,984	92	0.7%
40.7%	12,867	12,983	115	0.9%
42.0%	12,810	12,914	104	0.8%
43.2%	12,749	12,904	155	1.2%
44.4%	12,682	12,723	42	0.3%
45.7%	12,275	12,703	428	3.5%
46.9%	12,250	12,641	392	3.2%
48.1%	12,176	12,384	209	1.7%
49.4%	12,099	12,260	161	1.3%
50.6%	11,953	12,249	297	2.5%
51.9%	11,947	11,948	1	0.0%
53.1%	11,570	11,927	357	3.1%
54.3%	11,554	11,855	301	2.6%
55.6%	11,440	11,738	298	2.6%
56.8%	10,960	11,685	725	6.6%
58.0%	10,958	11,599	640	5.8%
59.3%	10,747	11,411	665	6.2%
60.5%	10,587	11,154	567	5.4%
61.7%	10,312	10,971	659	6.4%
63.0%	9,956	10,766	810	8.1%
64.2%	9,928	10,728	800	8.1%
65.4%	9,691	10,513	822	8.5%
66.7%	9,385	10,302	917	9.8%
67.9%	9,359	10,284	926	9.9%
69.1%	9,022	9,874	852	9.4%
70.4%	8,901	9,559	657	7.4%
71.6%	8,781	9,404	623	7.1%
72.8%	8,693	9,060	367	4.2%
74.1%	8,611	9,010	400	4.6%
75.3%	8,505	8,859	354	4.2%
76.5%	8,469	8,817	348	4.1%
77.8%	8,426	8,768	342	4.1%
79.0%	8,257	8,684	427	5.2%
80.2%	8,061	8,647	585	7.3%
81.5%	7,516	8,322	806	10.7%
82.7%	7,515	7,871	356	4.7%
84.0%	7,514	7,814	300	4.0%
85.2%	7,490	7,540	50	0.7%
86.4%	7,471	7,516	46	0.6%
87.7%	7,466	7,515	50	0.7%
88.9%	7,462	7,515	54	0.7%
90.1%	7,381	7,515	134	1.8%
91.4%	7,470	7,470	866	13.1%
92.6%	6,406	7,432	1,027	16.0%
93.8%	6,322	7,222	900	14.2%
95.1%	6,318	6,897	578	9.2%
96.3%	6,314	6,819	506	8.0%
97.5%	6,269	6,779	510	8.1%
98.8%	6,219	6,566	346	5.6%
100.0%	4,691	4,691	0	0.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,597	-207	-1.3%
1.2%	15,804	15,584	-220	-1.4%
2.5%	15,760	15,519	-241	-1.5%
3.7%	15,589	15,499	-91	-0.6%
4.9%	15,570	15,103	-466	-3.0%
6.2%	15,052	15,085	33	0.2%
7.4%	14,982	14,836	-146	-1.0%
8.6%	14,628	14,659	31	0.2%
9.9%	14,389	14,571	182	1.3%
11.1%	14,337	14,399	62	0.4%
12.3%	13,949	13,975	26	0.2%
13.6%	13,882	13,891	10	0.1%
14.8%	13,834	13,796	-38	-0.3%
16.0%	13,680	13,743	63	0.5%
17.3%	13,598	13,688	89	0.7%
18.5%	13,418	13,635	217	1.6%
19.8%	13,375	13,616	240	1.8%
21.0%	13,346	13,475	129	1.0%
22.2%	13,183	13,387	203	1.5%
23.5%	12,923	12,982	60	0.5%
24.7%	12,874	12,927	-53	-0.4%
25.9%	12,705	12,765	60	0.5%
27.2%	12,457	12,545	88	0.7%
28.4%	12,320	12,442	122	1.0%
29.6%	12,207	12,329	122	1.0%
30.9%	12,204	12,293	88	0.7%
32.1%	12,112	12,217	104	0.9%
33.3%	11,878	12,144	267	2.2%
34.6%	11,833	12,032	199	1.7%
35.8%	11,666	11,912	246	2.1%
37.0%	11,548	11,871	323	2.8%
38.3%	11,403	11,666	263	2.3%
39.5%	11,373	11,605	232	2.0%
40.7%	11,314	11,458	144	1.3%
42.0%	11,232	11,304	72	0.6%
43.2%	11,179	11,289	110	1.0%
44.4%	11,145	11,231	86	0.8%
45.7%	10,515	11,124	609	5.8%
46.9%	10,481	11,119	638	6.1%
48.1%	10,349	10,963	614	5.9%
49.4%	10,282	10,731	449	4.4%
50.6%	10,215	10,632	416	4.1%
51.9%	10,108	10,554	447	4.4%
53.1%	9,801	10,414	613	6.3%
54.3%	9,684	10,194	510	5.3%
55.6%	8,534	10,170	1,636	19.1%
56.8%	9,276	10,154	878	9.5%
58.0%	9,266	10,053	786	8.5%
59.3%	9,068	9,998	930	10.3%
60.5%	8,841	9,583	742	8.4%
61.7%	8,773	9,299	526	6.0%
63.0%	8,387	9,259	872	10.4%
64.2%	8,329	8,905	576	6.9%
65.4%	8,188	8,996	808	9.9%
66.7%	8,183	9,111	928	11.3%
67.9%	8,040	9,102	1,062	13.2%
69.1%	7,976	8,938	962	12.1%
70.4%	7,966	8,832	866	10.9%
71.6%	7,959	8,386	427	5.4%
72.8%	7,679	8,286	607	7.9%
74.1%	7,646	8,075	429	5.6%
75.3%	7,631	8,041	410	5.4%
76.5%	7,520	8,015	495	6.6%
77.8%	7,519	7,983	464	6.2%
79.0%	7,518	7,921	403	5.4%
80.2%	7,507	7,701	194	2.6%
81.5%	7,180	7,522	343	4.8%
82.7%	7,050	7,520	470	6.7%
84.0%	7,032	7,496	464	6.6%

Table SW-21-a  
Feather River at Thermalito Low Flow Channel, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (22%)</b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
DCR 2015 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

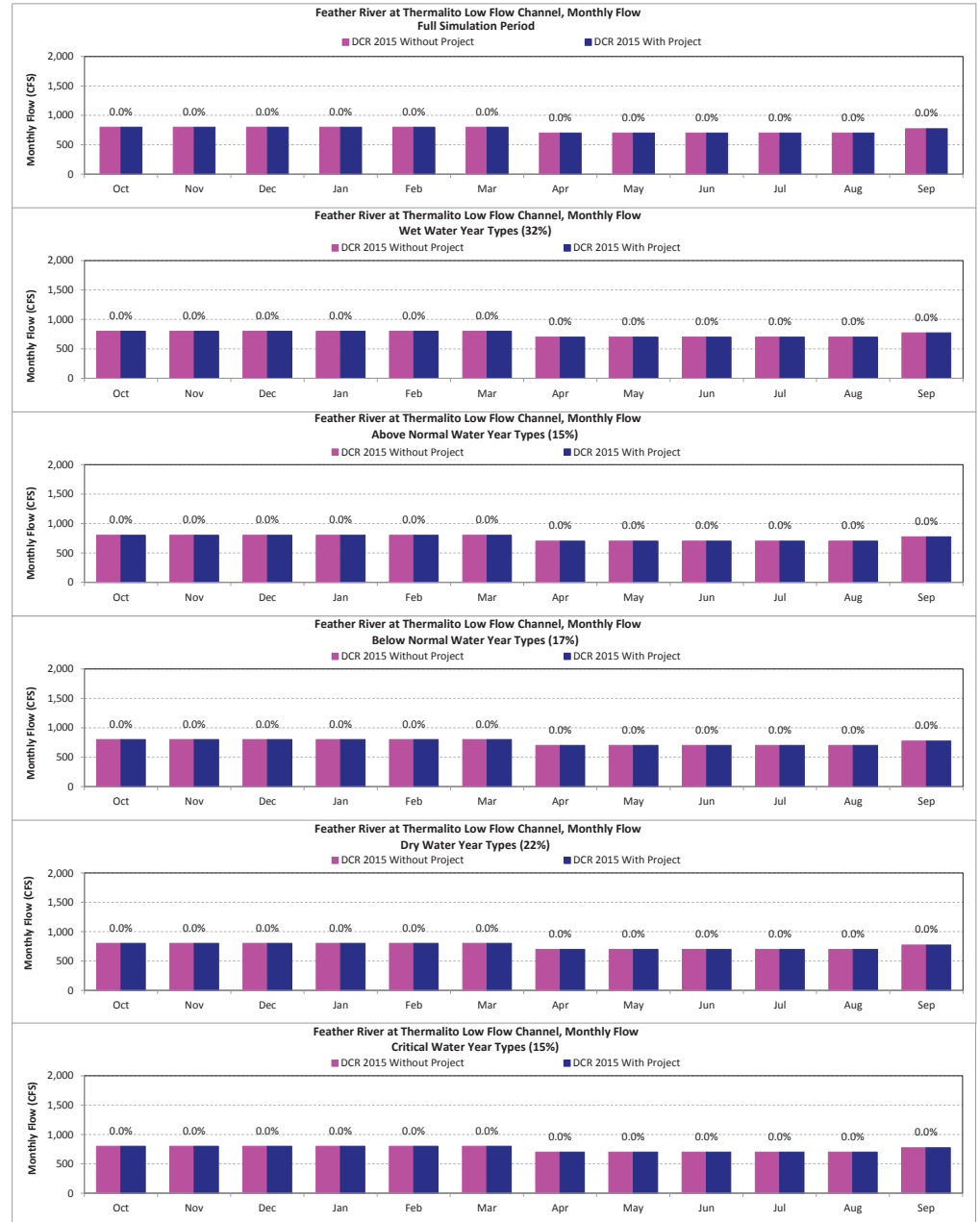


Figure SW-21-b  
 Feather River at Thermalito Low Flow Channel, Monthly Flow  
 Probability of Exceedance

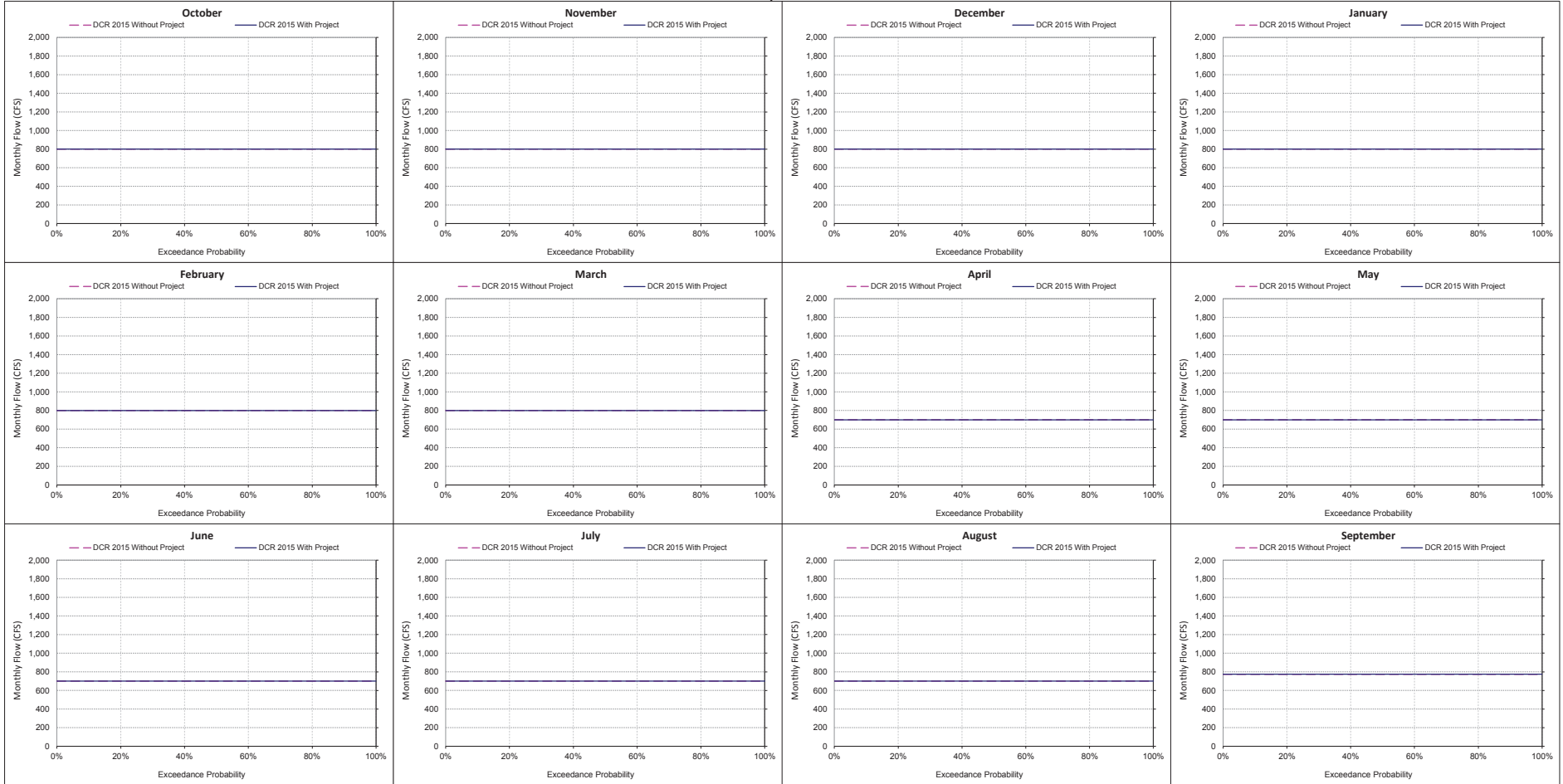










Table SW-22-a  
Feather River below Thermalito, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	2,678	2,046	2,758	3,990	4,280	5,211	2,984	3,607	3,657	7,171	4,534	5,448
DCR 2015 With Project	2,749	2,073	2,900	4,062	4,526	5,360	2,984	3,553	3,293	6,762	4,400	5,397
Difference	71	27	142	73	246	150	0	-54	-365	-409	-134	-50
Percent Difference <sup>2</sup>	2.7%	1.3%	5.1%	1.8%	5.7%	2.9%	0.0%	-1.5%	-10.0%	-5.7%	-3.0%	-0.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3,903	3,152	4,490	9,268	9,094	11,800	6,397	7,501	5,113	6,892	4,254	9,158
DCR 2015 With Project	3,885	3,166	4,635	9,331	9,688	12,106	6,501	7,525	5,077	6,368	4,541	8,659
Difference	-18	14	146	63	594	306	104	23	-36	-524	288	-500
Percent Difference	-0.5%	0.4%	3.2%	0.7%	6.5%	2.6%	1.6%	0.3%	-0.7%	-7.6%	6.8%	-5.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	3,671	2,357	2,898	2,181	3,649	4,328	2,022	3,059	3,352	9,102	6,987	7,999
DCR 2015 With Project	3,789	2,423	2,992	2,534	4,207	4,680	1,955	3,069	3,270	8,713	6,721	7,860
Difference	118	65	95	353	558	352	-67	10	-83	-388	-265	-139
Percent Difference	3.2%	2.8%	3.3%	16.2%	15.3%	8.1%	-3.3%	0.3%	-2.5%	-4.3%	-3.8%	-1.7%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2,511	1,686	1,634	1,464	1,830	1,796	1,119	1,249	2,988	9,035	7,311	4,420
DCR 2015 With Project	2,644	1,708	1,710	1,464	1,689	1,759	1,119	1,069	2,579	8,285	6,145	3,989
Difference	133	22	76	0	-141	-37	0	-180	-409	-750	-1,166	-431
Percent Difference	5.3%	1.3%	4.7%	0.0%	-7.7%	-2.1%	0.0%	-14.4%	-13.7%	-8.3%	-15.9%	-9.7%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,411	1,239	1,772	1,395	1,566	1,455	1,259	1,582	3,282	7,305	3,086	1,937
DCR 2015 With Project	1,538	1,292	2,088	1,394	1,566	1,464	1,197	1,596	2,349	7,120	3,221	2,525
Difference	127	53	316	0	0	9	-62	14	-933	-186	135	588
Percent Difference	9.0%	4.3%	17.9%	0.0%	0.0%	0.6%	-4.9%	0.9%	-28.4%	-2.5%	4.4%	30.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,122	968	1,660	1,202	1,409	1,435	1,311	1,508	2,153	3,469	1,620	1,323
DCR 2015 With Project	1,184	955	1,655	1,210	1,409	1,472	1,249	1,266	1,699	3,353	1,507	1,821
Difference	62	-13	-5	8	0	37	-62	-242	-454	-116	-114	498
Percent Difference	5.5%	-1.4%	-0.3%	0.7%	0.0%	2.5%	-4.7%	-16.0%	-21.1%	-3.4%	-7.0%	37.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

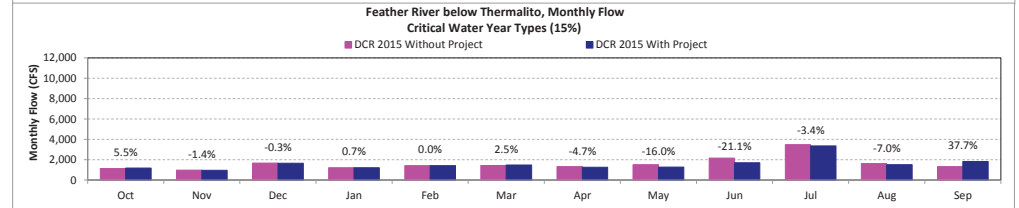
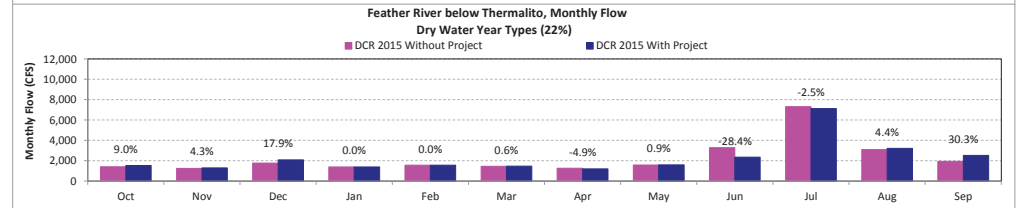
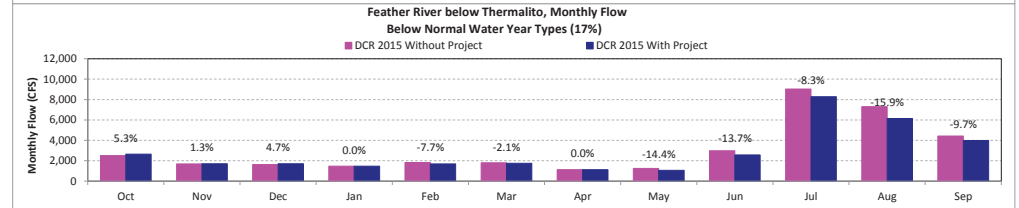
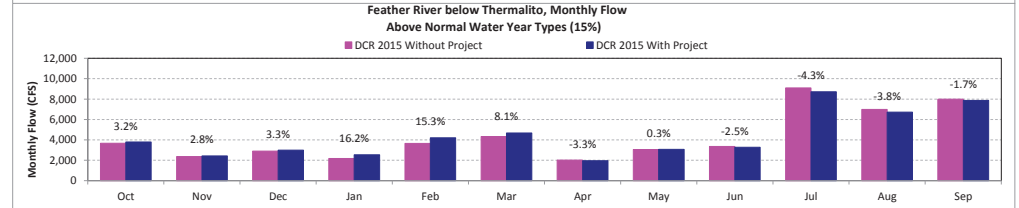
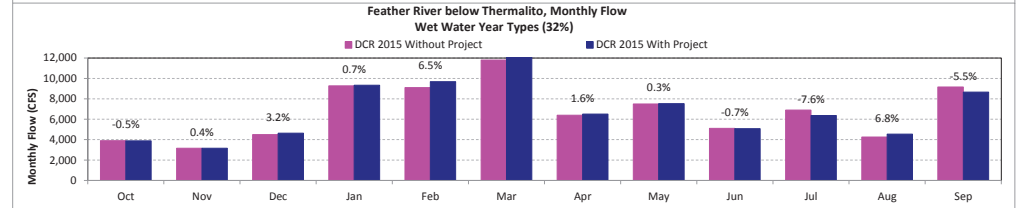
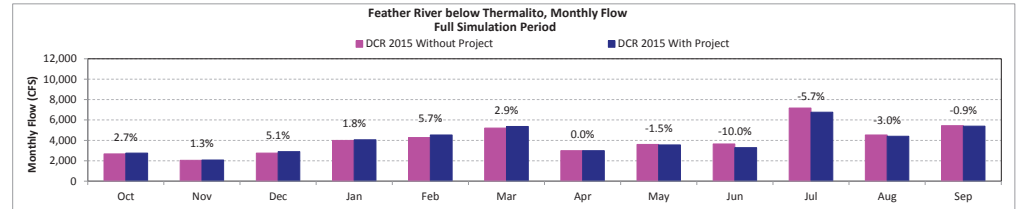


Figure SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

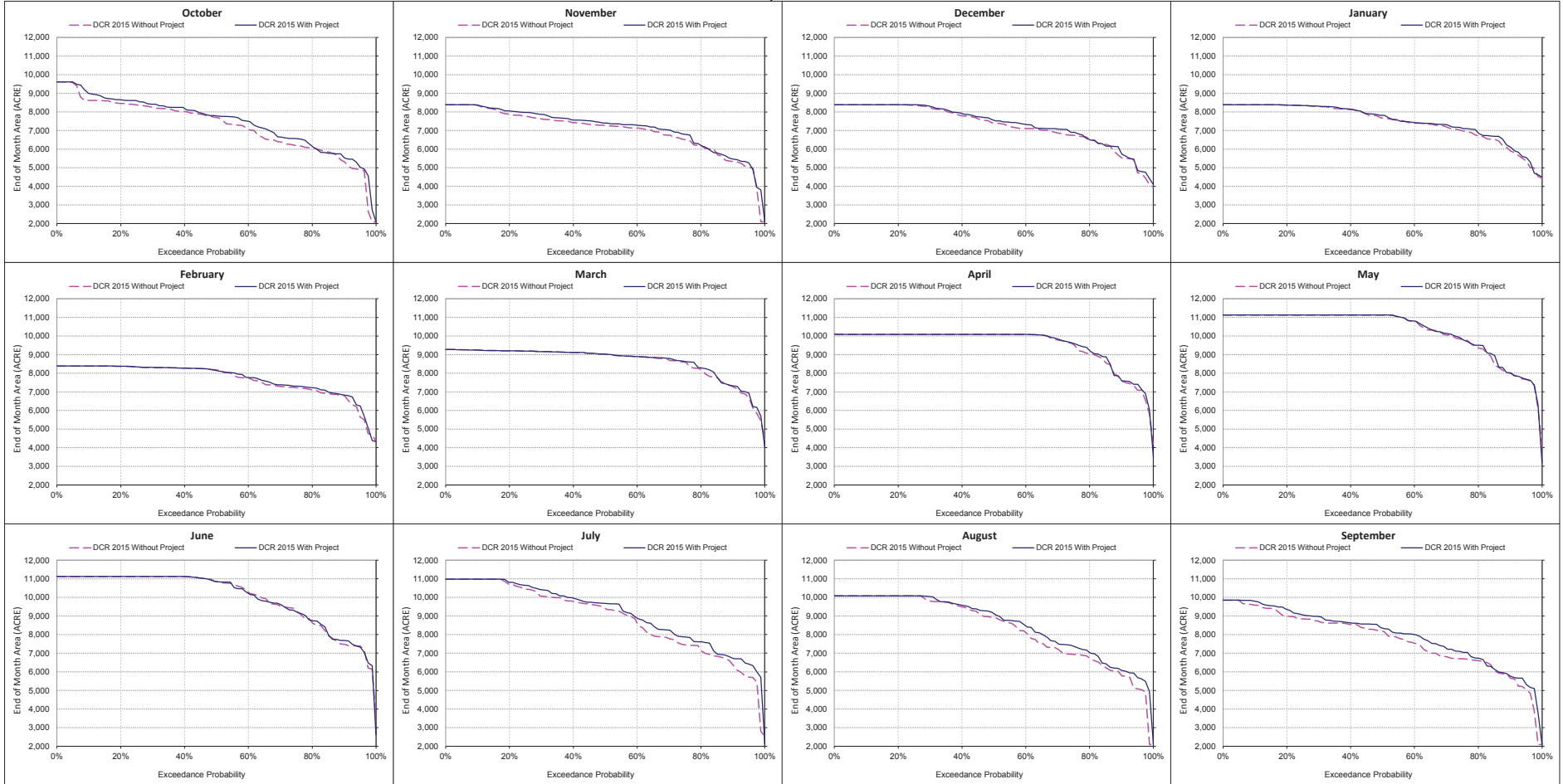


Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,609	9,609	0	0.0%
1.2%	9,609	9,609	0	0.0%
2.5%	9,609	9,609	0	0.0%
3.7%	9,609	9,609	0	0.0%
4.9%	9,578	9,609	31	0.3%
6.2%	9,419	9,487	68	0.7%
7.4%	9,300	9,430	640	7.3%
8.6%	8,615	8,196	671	6.6%
9.9%	8,615	8,996	381	4.4%
11.1%	8,615	8,961	346	4.0%
12.3%	8,615	8,923	308	3.6%
13.6%	8,615	8,871	256	3.0%
14.8%	8,594	8,759	165	1.9%
16.0%	8,594	8,720	126	1.5%
17.3%	8,505	8,693	187	2.2%
18.5%	8,482	8,651	169	2.0%
19.8%	8,454	8,651	197	2.3%
21.0%	8,454	8,634	180	2.1%
22.2%	8,421	8,615	194	2.3%
23.5%	8,412	8,615	203	2.4%
24.7%	8,383	8,611	228	2.7%
25.9%	8,364	8,543	179	2.1%
27.2%	8,331	8,534	203	2.4%
28.4%	8,307	8,444	137	1.6%
29.6%	8,259	8,413	154	1.9%
30.9%	8,198	8,412	214	2.6%
32.1%	8,187	8,333	146	1.8%
33.3%	8,181	8,323	142	1.7%
34.6%	8,165	8,251	86	1.1%
35.8%	8,131	8,246	115	1.4%
37.0%	8,058	8,244	186	2.3%
38.3%	8,031	8,239	208	2.6%
39.5%	8,031	8,237	206	2.6%
40.7%	8,003	8,098	95	1.2%
42.0%	7,936	8,080	144	1.8%
43.2%	7,924	7,924	0	0.0%
44.4%	7,891	7,970	79	1.0%
45.7%	7,857	7,918	62	0.8%
46.9%	7,800	7,846	46	0.6%
48.1%	7,766	7,805	39	0.5%
49.4%	7,713	7,798	84	1.1%
50.6%	7,685	7,777	92	1.2%
51.9%	7,565	7,764	200	2.6%
53.1%	7,361	7,760	399	5.4%
54.3%	7,344	7,741	397	5.4%
55.6%	7,334	7,736	402	5.5%
56.8%	7,281	7,695	404	5.6%
58.0%	7,273	7,545	272	3.7%
59.3%	7,145	7,513	368	5.1%
60.5%	7,023	7,470	447	6.4%
61.7%	7,008	7,289	281	4.0%
63.0%	6,756	7,198	442	6.5%
64.2%	6,661	7,146	485	7.3%
65.4%	6,529	7,087	558	8.5%
66.7%	6,507	6,988	480	7.4%
67.9%	6,495	6,892	397	6.1%
69.1%	6,405	6,659	253	4.0%
70.4%	6,377	6,651	274	4.3%
71.6%	6,281	6,596	315	5.0%
72.8%	6,263	6,577	315	5.0%
74.1%	6,222	6,573	351	5.6%
75.3%	6,172	6,556	384	6.2%
76.5%	6,167	6,538	371	6.0%
77.8%	6,094	6,479	385	6.3%
79.0%	6,077	6,288	211	3.5%
80.2%	6,053	6,119	66	1.1%
81.5%	6,010	5,983	-27	-0.4%
82.7%	5,938	5,823	-115	-1.9%
84.0%	5,862	5,822	-40	-0.7%
85.2%	5,844	5,775	-69	-1.2%
86.4%	5,766	5,770	4	0.1%
87.7%	5,689	5,744	55	1.0%
88.9%	5,430	5,741	311	5.7%
90.1%	5,306	5,516	209	3.9%
91.4%	5,077	5,408	389	7.7%
92.6%	4,950	5,462	511	10.3%
93.8%	4,930	5,306	376	7.6%
95.1%	4,889	5,020	131	2.7%
96.3%	4,849	4,935	86	1.8%
97.5%	2,857	3,853	1,006	35.4%
98.8%	2,091	2,721	630	30.1%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,366	8,366	0	0.0%
11.1%	8,273	8,318	45	0.5%
12.3%	8,240	8,276	35	0.4%
13.6%	8,191	8,209	18	0.2%
14.8%	8,154	8,202	48	0.6%
16.0%	8,090	8,191	102	1.3%
17.3%	7,967	8,147	179	2.3%
18.5%	7,909	8,062	153	1.9%
19.8%	7,887	8,061	174	2.2%
21.0%	7,829	8,027	199	2.5%
22.2%	7,822	8,011	189	2.4%
23.5%	7,819	7,982	163	2.1%
24.7%	7,749	7,979	230	3.0%
25.9%	7,747	7,969	222	2.9%
27.2%	7,693	7,939	246	3.2%
28.4%	7,665	7,807	142	1.9%
29.6%	7,538	7,877	240	3.1%
30.9%	7,598	7,856	258	3.4%
32.1%	7,586	7,788	201	2.7%
33.3%	7,573	7,695	122	1.6%
34.6%	7,526	7,683	157	2.1%
35.8%	7,523	7,666	144	1.9%
37.0%	7,516	7,660	143	1.9%
38.3%	7,510	7,650	140	1.9%
39.5%	7,428	7,569	142	1.9%
40.7%	7,422	7,562	139	1.9%
42.0%	7,385	7,552	167	2.3%
43.2%	7,384	7,541	156	2.1%
44.4%	7,344	7,530	186	2.5%
45.7%	7,318	7,510	192	2.6%
46.9%	7,298	7,474	177	2.4%
48.1%	7,291	7,438	148	2.0%
49.4%	7,283	7,407	124	1.7%
50.6%	7,253	7,406	153	2.1%
51.9%	7,242	7,361	119	1.6%
53.1%	7,228	7,356	128	1.8%
54.3%	7,225	7,354	130	1.8%
55.6%	7,206	7,321	115	1.6%
56.8%	7,163	7,316	153	2.1%
58.0%	7,138	7,310	172	2.4%
59.3%	7,134	7,298	164	2.3%
60.5%	7,132	7,309	177	2.5%
61.7%	7,094	7,258	164	2.3%
63.0%	7,043	7,251	208	3.0%
64.2%	7,037	7,190	153	2.2%
65.4%	6,928	7,188	260	3.8%
66.7%	6,924	7,090	165	2.4%
67.9%	6,775	7,056	281	4.1%
69.1%	6,755	7,051	296	4.4%
70.4%	6,746	7,009	263	3.9%
71.6%	6,625	6,918	293	4.4%
72.8%	6,617	6,898	281	4.2%
74.1%	6,542	6,812	270	4.1%
75.3%	6,496	6,792	296	4.5%
76.5%	6,456	6,765	309	4.8%
77.8%	6,225	6,319	94	1.5%
79.0%	6,198	6,308	110	1.8%
80.2%	6,166	6,174	9	0.1%
81.5%	6,029	6,109	80	1.3%
82.7%	6,016	5,961	-55	-0.9%
84.0%	6,012	5,912	-200	-3.3%
85.2%	5,696	5,794	98	1.7%
86.4%	5,626	5,720	94	1.7%
87.7%	5,402	5,646	244	4.5%
88.9%	5,356	5,518	162	3.0%
90.1%	5,329	5,455	126	2.4%
91.4%	5,315	5,435	120	2.3%
92.6%	5,238	5,349	111	2.1%
93.8%	5,077	5,329	251	4.9%
95.1%	5,018	5,266	248	4.9%
96.3%	4,986	4,910	-77	-1.5%
97.5%	3,853	3,853	0	0.0%
98.8%	2,094	3,812	1,718	82.0%
100.0%	2,091	2,094	3	0.2%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,366	8,385	18	0.2%
24.7%	8,351	8,385	34	0.4%
25.9%	8,350	8,385	35	0.4%
27.2%	8,315	8,366	51	0.6%
28.4%	8,304	8,363	59	0.7%
29.6%	8,299	8,315	16	0.2%
30.9%	8,167	8,261	94	1.1%
32.1%	8,145	8,193	48	0.6%
33.3%	8,135	8,165	29	0.4%
34.6%	8,074	8,137	62	0.8%
35.8%	7,989	8,078	87	1.1%
37.0%	7,950	7,989	38	0.5%
38.3%	7,878	7,977	99	1.3%
39.5%	7,805	7,943	137	1.8%
40.7%	7,777	7,878	101	1.3%
42.0%	7,777	7,851	74	1.0%
43.2%	7,733	7,820	87	1.1%
44.4%	7,681	7,746	65	0.8%
45.7%	7,582	7,733	151	2.0%
46.9%	7,543	7,706	163	2.2%
48.1%	7,534	7,683	149	2.0%
49.4%	7,414	7,587	173	2.3%
50.6%	7,393	7,511	118	1.6%
51.9%	7,379	7,509	130	1.8%
53.1%	7,336	7,457	121	1.6%
54.3%	7,260	7,451	191	2.6%
55.6%	7,190	7,431	240	3.3%
56.8%	7,150	7,427	277	3.9%
58.0%	7,117	7,386	270	3.8%
59.3%	7,111	7,347	236	3.3%
60.5%	7,108	7,309	201	2.8%
61.7%	7,106	7,304	198	2.8%
63.0%	7,104	7,150	46	0.6%
64.2%	7,057	7,112	54	0.8%
65.4%	7,018	7,111	93	1.3%
66.7%	7,013	7,105	92	1.3%
67.9%	6,965	7,104	140	2.0%
69.1%	6,901	7,096	195	2.8%
70.4%	6,855	7,078	223	3.3%
71.6%	6,830	7,066	236	3.5%
72.8%	6,760	7,053	293	4.3%
74.1%	6,750	6,904	154	2.3%
75.3%	6,738	6,901	164	2.4%
76.5%	6,698	6,815	118	1.8%
77.8%	6,670	6,754	84	1.3%
79.0%	6,648	6,577	-71	-1.1%
80.2%	6,490	6,490	0	0.0%
81.5%	6,489	6,458	-31	-0.5%
82.7%	6,300	6,322	22	0.4%
84.0%	6,263	6,281	18	0.3%
85.2%	6,253	6,162	-91	-1.4%
86.4%	6,179	6,155	-24	-0.4%
87.7%	5,888	6,142	254	4.3%
88.9%	5,697	6,134	438	7.7%
90.1%	5,521	5,734	214	3.9%
91.4%	5,467	5,621	125	2.3%
92.6%	5,482	5,500	18	0.3%
93.8%	5,465			

Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	8,385	8,385	0	0.0%	
1.2%	8,385	8,385	0	0.0%	
2.5%	8,385	8,385	0	0.0%	
3.7%	8,385	8,385	0	0.0%	
4.9%	8,385	8,385	0	0.0%	
6.2%	8,385	8,385	0	0.0%	
7.4%	8,385	8,385	0	0.0%	
8.6%	8,385	8,385	0	0.0%	
9.9%	8,385	8,385	0	0.0%	
11.1%	8,385	8,385	0	0.0%	
12.3%	8,385	8,385	0	0.0%	
13.6%	8,385	8,385	0	0.0%	
14.8%	8,385	8,385	0	0.0%	
16.0%	8,385	8,385	0	0.0%	
17.3%	8,376	8,385	9	0.1%	
18.5%	8,376	8,205	0	0.0%	
19.8%	8,371	8,376	5	0.1%	
21.0%	8,366	8,373	7	0.1%	
22.2%	8,366	8,371	5	0.1%	
23.5%	8,348	8,366	18	0.2%	
24.7%	8,339	8,348	9	0.1%	
25.9%	8,320	8,339	18	0.2%	
27.2%	8,315	8,320	5	0.1%	
28.4%	8,314	8,315	1	0.0%	
29.6%	8,302	8,314	12	0.1%	
30.9%	8,302	8,302	0	0.0%	
32.1%	8,302	8,302	0	0.0%	
33.3%	8,302	8,302	0	0.0%	
34.6%	8,293	8,302	9	0.1%	
35.8%	8,293	8,293	0	0.0%	
37.0%	8,289	8,293	4	0.0%	
38.3%	8,283	8,283	0	0.0%	
39.5%	8,274	8,274	0	0.0%	
40.7%	8,274	8,274	0	0.0%	
42.0%	8,256	8,256	-1	0.0%	
43.2%	8,256	8,256	0	0.0%	
44.4%	8,256	8,249	-7	-0.1%	
45.7%	8,247	8,247	0	0.0%	
46.9%	8,237	8,237	0	0.0%	
48.1%	8,201	8,201	0	0.0%	
49.4%	8,192	8,164	-28	-0.3%	
50.6%	8,164	8,115	-48	-0.6%	
51.9%	8,044	8,088	44	0.5%	
53.1%	8,035	8,044	9	0.1%	
54.3%	8,016	8,035	18	0.2%	
55.6%	7,955	8,016	162	2.1%	
56.8%	7,779	7,949	169	2.2%	
58.0%	7,758	7,938	179	2.3%	
59.3%	7,758	7,779	21	0.3%	
60.5%	7,712	7,758	46	0.6%	
61.7%	7,615	7,758	144	1.9%	
63.0%	7,598	7,712	123	1.6%	
64.2%	7,514	7,628	114	1.5%	
65.4%	7,381	7,583	202	2.7%	
66.7%	7,381	7,526	146	2.0%	
67.9%	7,371	7,416	45	0.6%	
69.1%	7,305	7,381	75	1.0%	
70.4%	7,284	7,381	97	1.3%	
71.6%	7,270	7,371	101	1.4%	
72.8%	7,250	7,348	98	1.4%	
74.1%	7,242	7,310	68	0.9%	
75.3%	7,215	7,304	90	1.2%	
76.5%	7,188	7,294	106	1.5%	
77.8%	7,181	7,270	89	1.2%	
79.0%	7,141	7,242	101	1.4%	
80.2%	7,094	7,215	121	1.7%	
81.5%	7,056	7,188	133	1.9%	
82.7%	6,950	7,108	158	2.3%	
84.0%	6,929	7,094	166	2.4%	
85.2%	6,911	6,977	67	1.0%	
86.4%	6,865	6,942	78	1.1%	
87.7%	6,863	6,911	48	0.7%	
88.9%	6,801	6,865	63	0.9%	
90.1%	6,791	6,824	33	0.5%	
91.4%	6,519	6,791	272	4.2%	
92.6%	6,307	6,720	413	6.6%	
93.8%	6,211	6,302	91	1.5%	
95.1%	5,630	6,233	603	10.7%	
96.3%	5,506	5,678	172	3.1%	
97.5%	4,750	5,038	287	6.1%	
98.8%	4,713	4,381	-332	-7.0%	
100.0%	4,414	4,426	11	0.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	9,278	9,278	0	0.0%	
1.2%	9,278	9,278	0	0.0%	
2.5%	9,278	9,278	0	0.0%	
3.7%	9,278	9,260	-18	-0.2%	
4.9%	9,260	9,260	0	0.0%	
6.2%	9,260	9,260	0	0.0%	
7.4%	9,260	9,251	-9	-0.1%	
8.6%	9,251	9,251	0	0.0%	
9.9%	9,251	9,251	0	0.0%	
11.1%	9,242	9,232	-9	-0.1%	
12.3%	9,232	9,223	-9	-0.1%	
13.6%	9,223	9,223	0	0.0%	
14.8%	9,223	9,214	-9	-0.1%	
16.0%	9,214	9,214	0	0.0%	
17.3%	9,214	9,205	-9	-0.1%	
18.5%	9,205	9,205	0	0.0%	
19.8%	9,205	9,205	0	0.0%	
21.0%	9,205	9,205	0	0.0%	
22.2%	9,205	9,205	0	0.0%	
23.5%	9,205	9,196	-9	-0.1%	
24.7%	9,196	9,196	0	0.0%	
25.9%	9,186	9,186	-9	-0.1%	
27.2%	9,186	9,186	0	0.0%	
28.4%	9,186	9,168	-18	-0.2%	
29.6%	9,168	9,168	0	0.0%	
30.9%	9,168	9,161	-7	-0.1%	
32.1%	9,161	9,159	-2	0.0%	
33.3%	9,159	9,149	-9	-0.1%	
34.6%	9,149	9,140	-9	-0.1%	
35.8%	9,140	9,138	-2	0.0%	
37.0%	9,131	9,131	0	0.0%	
38.3%	9,122	9,122	0	0.0%	
39.5%	9,113	9,120	6	0.1%	
40.7%	9,113	9,115	3	0.0%	
42.0%	9,113	9,113	0	0.0%	
43.2%	9,085	9,113	27	0.3%	
44.4%	9,078	9,078	0	0.0%	
45.7%	9,076	9,076	0	0.0%	
46.9%	9,057	9,057	0	0.0%	
48.1%	9,030	9,030	0	0.0%	
49.4%	9,030	9,030	0	0.0%	
50.6%	9,020	9,020	0	0.0%	
51.9%	9,011	9,011	0	0.0%	
53.1%	8,956	8,956	0	0.0%	
54.3%	8,947	8,947	0	0.0%	
55.6%	8,928	8,928	0	0.0%	
56.8%	8,919	8,919	0	0.0%	
58.0%	8,912	8,912	0	0.0%	
59.3%	8,891	8,911	19	0.2%	
60.5%	8,882	8,891	9	0.1%	
61.7%	8,882	8,882	0	0.0%	
63.0%	8,855	8,882	28	0.3%	
64.2%	8,836	8,855	18	0.2%	
65.4%	8,827	8,843	16	0.2%	
66.7%	8,799	8,836	37	0.4%	
67.9%	8,790	8,827	37	0.4%	
69.1%	8,779	8,799	20	0.2%	
70.4%	8,680	8,790	111	1.3%	
71.6%	8,678	8,725	47	0.5%	
72.8%	8,624	8,680	55	0.6%	
74.1%	8,606	8,655	49	0.6%	
75.3%	8,597	8,624	28	0.3%	
76.5%	8,606	8,606	278	3.3%	
77.8%	8,275	8,597	321	3.9%	
79.0%	8,261	8,320	59	0.7%	
80.2%	8,194	8,275	82	1.0%	
81.5%	7,953	8,245	292	3.7%	
82.7%	7,829	8,174	345	4.4%	
84.0%	7,803	8,066	263	3.4%	
85.2%	7,750	7,764	14	0.2%	
86.4%	7,531	7,477	-54	-0.7%	
87.7%	7,477	7,439	-37	-0.5%	
88.9%	7,350	7,366	16	0.2%	
90.1%	7,272	7,319	47	0.6%	
91.4%	7,156	7,239	143	2.0%	
92.6%	6,936	7,041	105	1.5%	
93.8%	6,887	7,001	114	1.7%	
95.1%	6,679	6,933	254	3.8%	
96.3%	6,125	6,211	87	1.4%	
97.5%	5,837	6,167	331	5.7%	
98.8%	5,450	5,692	242	4.4%	
100.0%	4,440	4,016	-424	-9.5%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,098	10,097	-1	0.0%	
1.2%	10,084	10,084	0	0.0%	
2.5%	10,084	10,084	0	0.0%	
3.7%	10,084	10,084	0	0.0%	
4.9%	10,084	10,084	0	0.0%	
6.2%	10,084	10,084	0	0.0%	
7.4%	10,084	10,084	0	0.0%	
8.6%	10,084	10,084	0	0.0%	
9.9%	10,084	10,084	0	0.0%	
11.1%	10,084	10,084	0	0.0%	
12.3%	10,084	10,084	0	0.0%	
13.6%	10,084	10,084	0	0.0%	
14.8%	10,084	10,084	0	0.0%	
16.0%	10,084	10,084	0	0.0%	
17.3%	10,084	10,084	0	0.0%	
18.5%	10,084	10,084	0	0.0%	
19.8%	10,084	10,084	0	0.0%	
21.0%	10,084	10,084	0	0.0%	
22.2%	10,084	10,084	0	0.0%	
23.5%	10,084	10,084	0	0.0%	
24.7%	10,084	10,124	40	0.4%	
25.9%	10,084	10,084	0	0.0%	
27.2%	10,084	10,084	0	0.0%	
28.4%	10,084	10,084	0	0.0%	
29.6%	10,084	10,084	0	0.0%	
30.9%	10,084	10,084	0	0.0%	
32.1%	10,084	10,084	0	0.0%	
33.3%	10,084	10,084	0	0.0%	
34.6%	10,084	10,084	0	0.0%	
35.8%	10,084	10,084	0	0.0%	
37.0%	10,084	10,084	0	0.0%	
38.3%	10,084	10,084	0	0.0%	
39.5%	10,084	10,084	0	0.0%	
40.7%	10,084	10,084	0	0.0%	
42.0%	10,084	10,084	0	0.0%	
43.2%	10,084	10,084	0	0.0%	
44.4%	10,084	10,084	0	0.0%	
45.7%	10,084	10,084	0	0.0%	
46.9%	10,084	10,084	0	0.0%	
48.1%	10,084	10,084	0	0.0%	
49.4%	10,084	10,084	0	0.0%	
50.6%	10,084	10,084	0	0.0%	
51.9%	10,084	10,124	40	0.4%	
53.1%	10,084	10,084	0	0.0%	
54.3%	10,084	10,084	0	0.0%	
55.6%	10,084	10,084	0	0.0%	
56.8%	10,084	10,084	0	0.0%	
58.0%	10,084	10,084	0	0.0%	
59.3%	10,084	10,084	0	0.0%	
60.5%	10,084	10,084	0	0.0%	
61.7%	10,074	10,074	0	0.0%	
63.0%	10,069	10,069	0	0.0%	
64.2%	10,054	10,327	273	2.7%	
65.4%	10,046	10,046	0	0.0%	
66.7%	10,002	10,002	0	0.0%	
67.9%	9,882	9,931	49	0.5%	
69.1%	9,823	9,882	59	0.6%	
70.4%	9,772	9,823	51	0.5%	
71.6%	9,743	9,743	0	0.0%	
72.8%	9,646	9,702	56	0.6%	

Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	11,124	11,124	0	0.0%	
1.2%	11,124	11,124	0	0.0%	
2.5%	11,124	11,124	0	0.0%	
3.7%	11,124	11,124	0	0.0%	
4.9%	11,124	11,124	0	0.0%	
6.2%	11,124	11,124	0	0.0%	
7.4%	11,124	11,124	0	0.0%	
8.6%	11,124	11,124	0	0.0%	
9.9%	11,124	11,124	0	0.0%	
11.1%	11,124	11,124	0	0.0%	
12.3%	11,124	11,124	0	0.0%	
13.6%	11,124	11,124	0	0.0%	
14.8%	11,124	11,124	0	0.0%	
16.0%	11,124	11,124	0	0.0%	
17.3%	11,124	11,124	0	0.0%	
18.5%	11,124	11,124	0	0.0%	
19.8%	11,124	11,124	0	0.0%	
21.0%	11,124	11,124	0	0.0%	
22.2%	11,124	11,124	0	0.0%	
23.5%	11,124	11,124	0	0.0%	
24.7%	11,124	11,124	0	0.0%	
25.9%	11,124	11,124	0	0.0%	
27.2%	11,124	11,124	0	0.0%	
28.4%	11,124	11,124	0	0.0%	
29.6%	11,124	11,124	0	0.0%	
30.9%	11,124	11,124	0	0.0%	
32.1%	11,124	11,124	0	0.0%	
33.3%	11,124	11,124	0	0.0%	
34.6%	11,124	11,124	0	0.0%	
35.8%	11,124	11,124	0	0.0%	
37.0%	11,124	11,124	0	0.0%	
38.3%	11,124	11,124	0	0.0%	
39.5%	11,124	11,124	0	0.0%	
40.7%	11,124	11,114	-10	-0.1%	
42.0%	11,114	11,114	-22	-0.2%	
43.2%	11,092	11,077	-15	-0.1%	
44.4%	11,046	11,046	0	0.0%	
45.7%	11,023	11,021	-2	0.0%	
46.9%	11,001	10,995	-7	-0.1%	
48.1%	10,987	10,943	-44	-0.4%	
49.4%	10,860	10,860	0	0.0%	
50.6%	10,828	10,838	10	0.1%	
51.9%	10,774	10,829	55	0.5%	
53.1%	10,772	10,828	56	0.5%	
54.3%	10,755	10,818	64	0.6%	
55.6%	10,684	10,829	145	1.5%	
56.8%	10,599	10,471	-129	-1.2%	
58.0%	10,535	10,460	-75	-0.7%	
59.3%	10,396	10,299	-97	-0.9%	
60.5%	10,206	10,157	-48	-0.5%	
61.7%	10,157	10,119	-38	-0.4%	
63.0%	10,119	9,911	-208	-2.1%	
64.2%	9,974	9,820	-154	-1.5%	
65.4%	9,936	9,798	-139	-1.4%	
66.7%	9,663	9,736	73	0.8%	
67.9%	9,641	9,696	55	0.6%	
69.1%	9,615	9,667	52	0.7%	
70.4%	9,483	9,603	120	1.3%	
71.6%	9,479	9,447	-32	-0.3%	
72.8%	9,442	9,327	-115	-1.2%	
74.1%	9,422	9,305	-117	-1.2%	
75.3%	9,236	9,199	-37	-0.4%	
76.5%	9,060	9,125	65	0.7%	
77.8%	8,862	9,034	172	1.9%	
79.0%	8,861	8,795	-66	-0.7%	
80.2%	8,593	8,740	147	1.7%	
81.5%	8,508	8,731	223	2.6%	
82.7%	8,489	8,562	73	0.9%	
84.0%	8,222	8,417	195	2.4%	
85.2%	7,943	7,950	7	0.1%	
86.4%	7,788	7,748	-39	-0.5%	
87.7%	7,645	7,747	102	1.3%	
88.9%	7,494	7,691	197	2.6%	
90.1%	7,480	7,685	205	2.7%	
91.4%	7,406	7,655	249	3.4%	
92.6%	7,404	7,484	81	1.1%	
93.8%	7,400	7,387	-13	-0.2%	
95.1%	7,384	7,322	-62	-0.8%	
96.3%	7,146	7,048	-98	-1.4%	
97.5%	6,200	6,477	277	4.5%	
98.8%	6,463	6,263	-183	-3.0%	
100.0%	3,141	3,626	-838	-24.2%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,975	10,975	0	0.0%	
1.2%	10,975	10,975	0	0.0%	
2.5%	10,975	10,975	0	0.0%	
3.7%	10,975	10,975	0	0.0%	
4.9%	10,975	10,975	0	0.0%	
6.2%	10,975	10,975	0	0.0%	
7.4%	10,975	10,975	0	0.0%	
8.6%	10,975	10,975	0	0.0%	
9.9%	10,975	10,975	0	0.0%	
11.1%	10,975	10,975	0	0.0%	
12.3%	10,975	10,975	0	0.0%	
13.6%	10,975	10,975	0	0.0%	
14.8%	10,975	10,975	0	0.0%	
16.0%	10,975	10,975	0	0.0%	
17.3%	10,975	10,975	0	0.0%	
18.5%	10,857	10,965	108	1.0%	
19.8%	10,708	10,806	97	0.9%	
21.0%	10,693	10,805	112	1.0%	
22.2%	10,597	10,740	143	1.3%	
23.5%	10,550	10,682	132	1.3%	
24.7%	10,439	10,652	212	2.0%	
25.9%	10,431	10,633	201	1.9%	
27.2%	10,390	10,537	147	1.4%	
28.4%	10,316	10,424	108	1.6%	
29.6%	10,070	10,418	348	3.5%	
30.9%	10,055	10,401	347	3.4%	
32.1%	10,020	10,370	350	3.5%	
33.3%	9,999	10,211	212	2.1%	
34.6%	9,991	10,202	212	2.1%	
35.8%	9,982	10,087	105	1.1%	
37.0%	9,851	10,077	227	2.3%	
38.3%	9,810	9,999	189	1.9%	
39.5%	9,806	9,977	171	1.7%	
40.7%	9,754	9,928	174	1.8%	
42.0%	9,714	9,822	108	1.1%	
43.2%	9,672	9,786	114	1.2%	
44.4%	9,654	9,741	87	0.9%	
45.7%	9,628	9,733	104	1.1%	
46.9%	9,584	9,715	131	1.4%	
48.1%	9,550	9,702	152	1.6%	
49.4%	9,469	9,683	214	2.3%	
50.6%	9,347	9,667	320	3.4%	
51.9%	9,331	9,654	323	3.5%	
53.1%	9,289	9,654	365	3.9%	
54.3%	9,265	9,637	372	4.0%	
55.6%	9,136	9,605	469	5.1%	
56.8%	9,033	9,189	157	1.7%	
58.0%	8,979	9,136	156	1.7%	
59.3%	8,861	8,976	115	1.3%	
60.5%	8,468	8,842	374	4.4%	
61.7%	8,366	8,783	417	5.0%	
63.0%	8,135	8,646	511	6.3%	
64.2%	8,013	8,615	602	7.5%	
65.4%	7,911	8,406	495	6.3%	
66.7%	7,886	8,277	392	5.0%	
67.9%	7,879	8,263	384	4.9%	
69.1%	7,847	8,249	401	5.1%	
70.4%	7,769	8,227	458	5.9%	
71.6%	7,726	8,030	304	3.9%	
72.8%	7,554	7,907	353	4.7%	
74.1%	7,476	7,891	415	5.6%	
75.3%	7,444	7,876	431	5.8%	
76.5%	7,430	7,845	415	5.6%	
77.8%	7,420	7,630	210	2.8%	
79.0%	7,419	7,618	199	2.7%	
80.2%	7,111	7,609	498	7.0%	
81.5%	6,987	7,573	586	8.4%	
82.7%	6,932	7,542	610	8.8%	
84.0%	6,853	7,131	278	4.1%	
85.2%	6,834	6,937	103	1.5%	
86.4%	6,778	6,934	156	2.3%	
87.7%	6,727	6,897	170	2.5%	
88.9%	6,606	6,820	214	3.2%	
90.1%	6,353	6,720	367	5.8%	
91.4%	6,086	6,703	617	10.1%	
92.6%	5,974	6,693	719	12.0%	
93.8%	5,767	6,474	707	12.3%	
95.1%	5,717	6,410	692	12.1%	
96.3%	5,692	6,326	634	11.1%	
97.5%	5,446	5,989	543	10.2%	
98.8%	2,798	5,697	2,899	103.6%	
100.0%	2,546	2,091	-455	-17.9%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Area (ACRE)	DCR 2015 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,099	10,084	-15	-0.1%	
1.2%	10,084	10,084	0	0.0%	
2.5%	10,084	10,084	0	0.0%	
3.7%	10,084	10,084	0	0.0%	
4.9%	10,084	10,084	0	0.0%	
6.2%	10,084	10,084	0	0.0%	
7.4%	10,084	10,084	0	0.0%	
8.6%	10,084	10,084	0	0.0%	
9.9%	10,084	10,084	0	0.0%	
11.1%	10,084	10,084	0	0.0%	
12.3%	10,084	10,084	0	0.0%	
13.6%	10,084	10,084	0	0.0%	
14.8%	10,084	10,084	0	0.0%	
16.0%	10,084	10,084	0	0.0%	
17.3%	10,084	10,084	0	0.0%	
18.5%	10,084	10,084	0	0.0%	
19.8%	10,084	10,084	0	0.0%	
21.0%	10,084	10,084	0	0.0%	
22.2%	10,084	10,084	0	0.0%	
23.5%	10,084	10,084	0	0.0%	
24.7%	10,084	10,084	0	0.0%	
25.9%	10,084	10,084	0	0.0%	
27.2%	10,079	10,084	6	0.1%	
28.4%	9,927	10,071	144	1.4%	
29.6%	9,809	10,055	246	2.5%	
30.9%	9,786	10,022	236	2.4%	
32.1%	9,777	9,879	102	1.0%	
33.3%	9,768	9,774	6	0.1%	
34.6%	9,745	9,772	27	0.3%	
35.8%	9,723	9,752	29	0.3%	
37.0%	9,640	9,685	45	0.5%	
38.3%	9,583	9,633	50	0.5%	
39.5%	9,507	9,598	92	1.0%	
40.7%	9,474	9,653	179	1.8%	
42.0%	9,361	9,631	270	2.9%	
43.2%	9,282	9,395	113	1.1%	
44.4%	9,260	9,382	122	1.3%	
45.7%	9,058	9,293	235	2.6%	
46.9%	8,976	9,289	313	3.5%	
48.1%	8,969	9,269	300	3.4%	
49.4%	8,915	9,195	281	3.1%	
50.6%	8,898	9,051	153	1.7%	
51.9%	8,792	8,967	175	2.0%	
53.1%	8,721	8,772	51	0.6%	
54.3%	8,643	8,766	122	1.4%	
55.6%	8,606	8,750	144	1.7%	
56.8%	8,452	8,732	280	3.3%	
58.0%	8,211	8,713	502	6.1%	
59.3%	8,209	8,559	350	4.3%	
60.5%	8,043	8,413	371	4.6%	
61.7%	7,792	8,379	588	7.5%	
63.0%	7,737	8,126	389	5.0%	
64.2%	7,512	8,096	584	7.8%	
65.4%	7,509	7,981	472	6.3%	
66.7%	7,321	7,854	533	7.3%	
67.9%	7,314				



Figure SW-22-b  
 Feather River below Thermalito, Monthly Flow  
 Probability of Exceedance

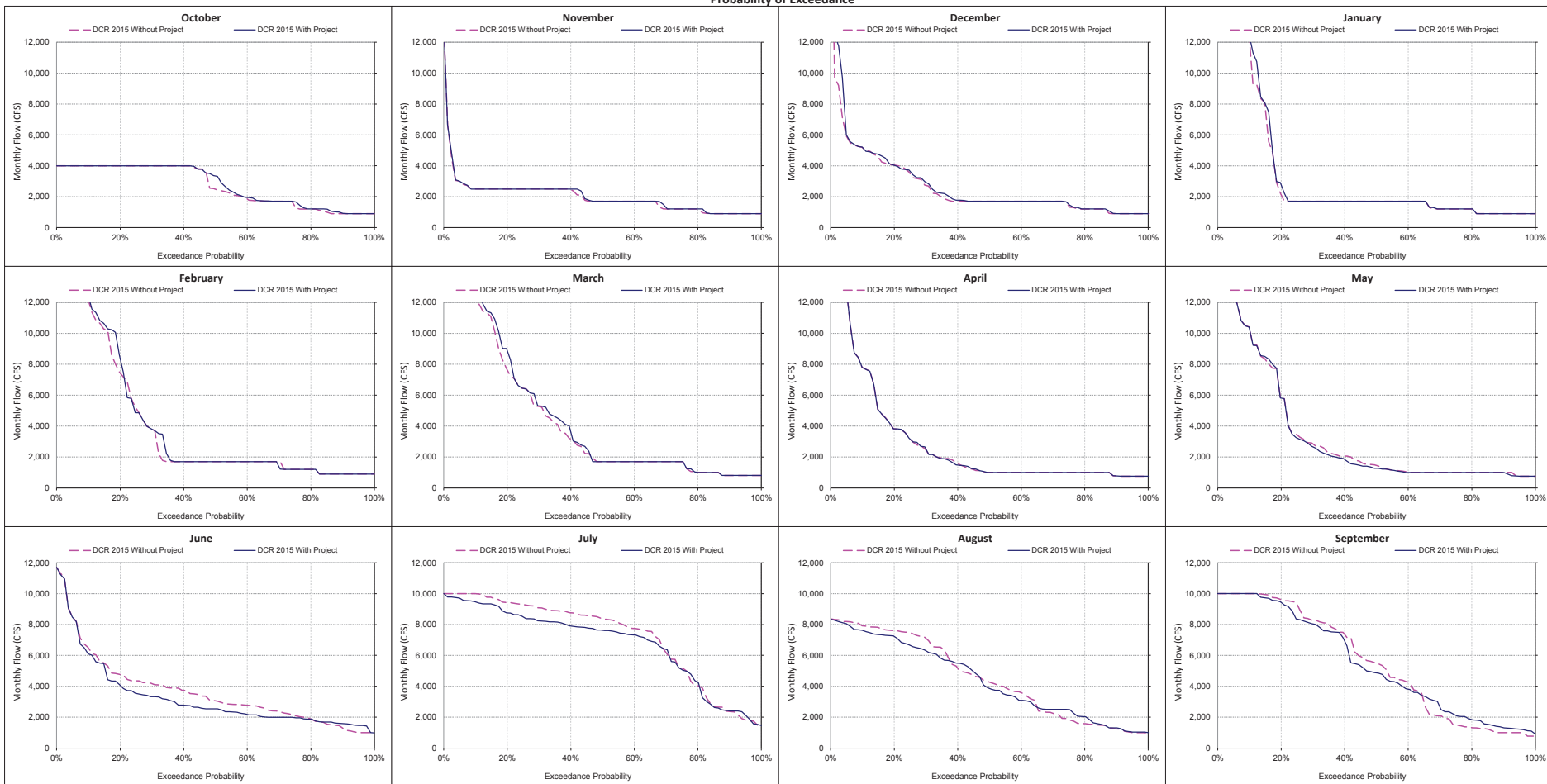


Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,000	4,000	0	0.0%	
1.2%	4,000	4,000	0	0.0%	
2.5%	4,000	4,000	0	0.0%	
3.7%	4,000	4,000	0	0.0%	
4.9%	4,000	4,000	0	0.0%	
6.2%	4,000	4,000	0	0.0%	
7.4%	4,000	4,000	0	0.0%	
8.6%	4,000	4,000	0	0.0%	
9.9%	4,000	4,000	0	0.0%	
11.1%	4,000	4,000	0	0.0%	
12.3%	4,000	4,000	0	0.0%	
13.6%	4,000	4,000	0	0.0%	
14.8%	4,000	4,000	0	0.0%	
16.0%	4,000	4,000	0	0.0%	
17.3%	4,000	4,000	0	0.0%	
18.5%	4,000	4,000	0	0.0%	
19.8%	4,000	4,000	0	0.0%	
21.0%	4,000	4,000	0	0.0%	
22.2%	4,000	4,000	0	0.0%	
23.5%	4,000	4,000	0	0.0%	
24.7%	4,000	4,000	0	0.0%	
25.9%	4,000	4,000	0	0.0%	
27.2%	4,000	4,000	0	0.0%	
28.4%	4,000	4,000	0	0.0%	
29.6%	4,000	4,000	0	0.0%	
30.9%	4,000	4,000	0	0.0%	
32.1%	4,000	4,000	0	0.0%	
33.3%	4,000	4,000	0	0.0%	
34.6%	4,000	4,000	0	0.0%	
35.8%	4,000	4,000	0	0.0%	
37.0%	4,000	4,000	0	0.0%	
38.3%	4,000	4,000	0	0.0%	
39.5%	4,000	4,000	0	0.0%	
40.7%	4,000	4,000	0	0.0%	
42.0%	4,000	4,000	0	0.0%	
43.2%	4,000	4,000	0	0.0%	
44.4%	3,804	3,784	-20	-0.5%	
45.7%	3,786	3,768	-17	-0.5%	
46.9%	3,674	3,530	-144	-3.9%	
48.1%	2,551	3,508	958	37.6%	
49.4%	2,528	3,371	842	33.3%	
50.6%	2,428	3,062	634	26.1%	
51.9%	2,383	2,889	505	21.2%	
53.1%	2,330	2,649	320	13.7%	
54.3%	2,247	2,421	174	7.7%	
55.6%	2,098	2,295	197	9.4%	
56.8%	2,069	2,155	86	4.1%	
58.0%	2,020	2,089	69	3.4%	
59.3%	1,961	1,969	8	0.4%	
60.5%	1,774	1,951	177	10.0%	
61.7%	1,754	1,908	154	8.8%	
63.0%	1,721	1,756	35	2.0%	
64.2%	1,721	1,735	15	0.9%	
65.4%	1,711	1,723	12	0.7%	
66.7%	1,700	1,717	17	1.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,700	0	0.0%	
70.4%	1,700	1,700	0	0.0%	
71.6%	1,700	1,700	0	0.0%	
72.8%	1,700	1,700	0	0.0%	
74.1%	1,685	1,700	15	0.9%	
75.3%	1,261	1,649	388	30.8%	
76.5%	1,200	1,428	228	19.0%	
77.8%	1,200	1,274	74	6.2%	
79.0%	1,200	1,200	0	0.0%	
80.2%	1,200	1,200	0	0.0%	
81.5%	1,200	1,200	0	0.0%	
82.7%	1,112	1,200	88	7.9%	
84.0%	1,057	1,200	143	13.6%	
85.2%	991	1,189	198	20.0%	
86.4%	900	1,055	155	17.3%	
87.7%	900	1,015	115	12.8%	
88.9%	900	996	96	10.7%	
90.1%	900	915	15	1.6%	
91.4%	900	900	0	0.0%	
92.6%	900	900	0	0.0%	
93.8%	900	900	0	0.0%	
95.1%	900	900	0	0.0%	
96.3%	900	900	0	0.0%	
97.5%	900	900	0	0.0%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	13,178	13,150	-29	-0.2%	
1.2%	6,661	6,660	-1	0.0%	
2.5%	4,568	4,562	-6	-0.1%	
3.7%	3,054	3,089	35	1.1%	
4.9%	3,007	3,004	-3	-0.1%	
6.2%	2,796	2,852	56	2.0%	
7.4%	2,722	2,727	5	0.2%	
8.6%	2,500	2,500	0	0.0%	
9.9%	2,500	2,500	0	0.0%	
11.1%	2,500	2,500	0	0.0%	
12.3%	2,500	2,500	0	0.0%	
13.6%	2,500	2,500	0	0.0%	
14.8%	2,500	2,500	0	0.0%	
16.0%	2,500	2,500	0	0.0%	
17.3%	2,500	2,500	0	0.0%	
18.5%	2,500	2,500	0	0.0%	
19.8%	2,500	2,500	0	0.0%	
21.0%	2,500	2,500	0	0.0%	
22.2%	2,500	2,500	0	0.0%	
23.5%	2,500	2,500	0	0.0%	
24.7%	2,500	2,500	0	0.0%	
25.9%	2,500	2,500	0	0.0%	
27.2%	2,500	2,500	0	0.0%	
28.4%	2,500	2,500	0	0.0%	
29.6%	2,500	2,500	0	0.0%	
30.9%	2,500	2,500	0	0.0%	
32.1%	2,500	2,500	0	0.0%	
33.3%	2,500	2,500	0	0.0%	
34.6%	2,500	2,500	0	0.0%	
35.8%	2,500	2,500	0	0.0%	
37.0%	2,500	2,500	0	0.0%	
38.3%	2,500	2,500	0	0.0%	
39.5%	2,500	2,500	0	0.0%	
40.7%	2,376	2,500	124	5.2%	
42.0%	2,118	2,500	382	18.0%	
43.2%	1,965	2,097	132	6.7%	
44.4%	1,772	1,872	100	5.6%	
45.7%	1,700	1,772	72	4.2%	
46.9%	1,700	1,710	10	0.6%	
48.1%	1,700	1,700	0	0.0%	
49.4%	1,700	1,700	0	0.0%	
50.6%	1,700	1,700	0	0.0%	
51.9%	1,700	1,700	0	0.0%	
53.1%	1,700	1,700	0	0.0%	
54.3%	1,700	1,700	0	0.0%	
55.6%	1,700	1,700	0	0.0%	
56.8%	1,700	1,700	0	0.0%	
58.0%	1,700	1,700	0	0.0%	
59.3%	1,700	1,700	0	0.0%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,324	1,684	361	27.3%	
69.1%	1,210	1,502	292	24.1%	
70.4%	1,200	1,209	9	0.7%	
71.6%	1,200	1,200	0	0.0%	
72.8%	1,200	1,200	0	0.0%	
74.1%	1,200	1,200	0	0.0%	
75.3%	1,200	1,200	0	0.0%	
76.5%	1,200	1,200	0	0.0%	
77.8%	1,200	1,200	0	0.0%	
79.0%	1,200	1,200	0	0.0%	
80.2%	1,200	1,200	0	0.0%	
81.5%	957	1,200	243	25.4%	
82.7%	921	958	36	3.9%	
84.0%	915	900	-15	-1.6%	
85.2%	900	900	0	0.0%	
86.4%	900	900	0	0.0%	
87.7%	900	900	0	0.0%	
88.9%	900	900	0	0.0%	
90.1%	900	900	0	0.0%	
91.4%	900	900	0	0.0%	
92.6%	900	900	0	0.0%	
93.8%	900	900	0	0.0%	
95.1%	900	900	0	0.0%	
96.3%	900	900	0	0.0%	
97.5%	900	900	0	0.0%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	23,709	23,709	0	0.0%	
1.2%	9,719	12,500	2,781	28.6%	
2.5%	9,202	11,756	2,554	27.8%	
3.7%	7,076	9,719	2,643	37.3%	
4.9%	5,924	5,993	70	1.2%	
6.2%	5,481	5,557	75	1.4%	
7.4%	5,338	5,393	54	1.0%	
8.6%	5,261	5,240	-21	-0.4%	
9.9%	5,127	5,127	0	0.0%	
11.1%	4,972	4,948	-24	-0.5%	
12.3%	4,939	4,912	-27	-0.5%	
13.6%	4,750	4,795	45	0.9%	
14.8%	4,615	4,750	135	2.9%	
16.0%	4,244	4,637	393	9.3%	
17.3%	4,162	4,496	333	8.0%	
18.5%	4,073	4,138	66	1.6%	
19.8%	4,063	4,052	-12	-0.3%	
21.0%	4,012	3,967	-45	-1.1%	
22.2%	3,969	3,801	-168	-4.2%	
23.5%	3,801	3,760	-41	-1.1%	
24.7%	3,584	3,718	134	3.7%	
25.9%	3,228	3,421	193	6.0%	
27.2%	3,180	3,232	52	1.6%	
28.4%	3,127	3,228	101	3.2%	
29.6%	2,745	2,964	219	8.0%	
30.9%	2,680	2,820	140	5.2%	
32.1%	2,222	2,477	255	11.5%	
33.3%	2,200	2,287	87	4.0%	
34.6%	2,024	2,227	203	10.0%	
35.8%	1,868	2,199	331	17.7%	
37.0%	1,770	2,039	270	15.2%	
38.3%	1,700	1,865	165	9.7%	
39.5%	1,700	1,770	70	4.1%	
40.7%	1,700	1,770	70	4.1%	
42.0%	1,700	1,752	52	3.1%	
43.2%	1,700	1,705	5	0.3%	
44.4%	1,700	1,700	0	0.0%	
45.7%	1,700	1,700	0	0.0%	
46.9%	1,700	1,700	0	0.0%	
48.1%	1,700	1,700	0	0.0%	
49.4%	1,700	1,700	0	0.0%	
50.6%	1,700	1,700	0	0.0%	
51.9%	1,700	1,700	0	0.0%	
53.1%	1,700	1,700	0	0.0%	
54.3%	1,700	1,700	0	0.0%	
55.6%	1,700	1,700	0	0.0%	
56.8%	1,700	1,700	0	0.0%	
58.0%	1,700	1,700	0	0.0%	
59.3%	1,700	1,700	0	0.0%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,700	0	0.0%	
70.4%	1,700	1,700	0	0.0%	
71.6%	1,700	1,700	0	0.0%	
72.8%	1,700	1,700	0	0.0%	
74.1%	1,627	1,678	51	3.1%	
75.3%	1,318	1,439	121	9.2%	
76.5%	1,296	1,312	16	1.2%	
77.8%	1,200	1,294	94	7.8%	

Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,722	21,722	0	0.0%
1.2%	21,189	21,189	0	0.0%
2.5%	17,981	20,730	2,749	15.3%
3.7%	17,629	18,142	513	2.9%
4.9%	16,571	17,981	1,410	8.5%
6.2%	15,422	17,629	2,207	14.3%
7.4%	13,215	16,571	3,356	25.4%
8.6%	12,472	15,830	3,358	11.7%
9.9%	12,209	12,472	263	2.2%
11.1%	11,342	11,569	227	2.0%
12.3%	10,840	11,342	501	4.6%
13.6%	10,655	10,840	186	1.7%
14.8%	10,285	10,655	370	3.6%
16.0%	10,199	10,285	86	0.8%
17.3%	8,595	10,237	1,641	19.1%
18.5%	7,993	10,072	2,079	26.0%
19.8%	7,488	8,595	1,107	14.8%
21.0%	7,175	7,488	314	4.4%
22.2%	6,847	5,938	-1,009	-14.7%
23.5%	5,792	5,792	0	0.0%
24.7%	5,244	4,859	-386	-7.4%
25.9%	4,859	4,858	-1	0.0%
27.2%	4,399	4,399	0	0.0%
28.4%	3,987	3,982	-5	-0.1%
29.6%	3,832	3,832	0	0.0%
30.9%	3,704	3,704	0	0.0%
32.1%	2,222	3,507	1,285	57.8%
33.3%	1,777	3,473	1,696	95.4%
34.6%	1,700	2,227	527	31.0%
35.8%	1,700	1,777	77	4.5%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,691	1,214	-477	-28.2%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,018	33,737	-281	-0.8%
1.2%	31,803	31,803	0	0.0%
2.5%	26,259	26,259	0	0.0%
3.7%	21,845	21,845	0	0.0%
4.9%	19,000	19,363	363	1.9%
6.2%	16,061	16,061	0	0.0%
7.4%	14,265	14,265	0	0.0%
8.6%	13,955	14,090	134	1.0%
9.9%	13,394	13,394	0	0.0%
11.1%	11,899	12,742	842	7.1%
12.3%	11,432	11,899	468	4.1%
13.6%	11,341	11,432	91	0.8%
14.8%	11,097	11,340	243	2.2%
16.0%	10,127	10,843	716	7.1%
17.3%	9,025	10,127	1,101	12.2%
18.5%	8,289	9,025	736	8.9%
19.8%	7,731	9,025	1,295	16.7%
21.0%	7,256	8,289	1,033	14.2%
22.2%	7,073	7,073	0	0.0%
23.5%	6,628	6,628	0	0.0%
24.7%	6,450	6,450	0	0.0%
25.9%	6,410	6,409	-1	0.0%
27.2%	6,141	6,140	-1	0.0%
28.4%	5,310	6,100	790	14.9%
29.6%	5,286	5,210	-74	-1.4%
30.9%	5,228	5,285	58	1.1%
32.1%	4,657	5,227	570	12.2%
33.3%	4,522	4,774	253	5.6%
34.6%	4,248	4,657	409	9.6%
35.8%	4,109	4,521	412	10.0%
37.0%	3,556	4,347	791	22.2%
38.3%	3,532	4,109	576	16.3%
39.5%	3,204	3,998	795	24.8%
40.7%	3,088	3,030	-58	-1.9%
42.0%	2,767	2,940	173	6.3%
43.2%	2,687	2,687	0	0.0%
44.4%	2,222	2,683	461	20.7%
45.7%	2,216	2,377	161	7.3%
46.9%	1,934	1,700	-234	-12.1%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,230	1,229	-1	-0.1%
77.8%	1,061	1,226	165	15.5%
79.0%	1,043	1,034	-9	-0.9%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,985	-6	0.0%
1.2%	17,581	17,574	-7	0.0%
2.5%	13,116	13,110	-6	0.0%
3.7%	13,089	13,090	1	0.0%
4.9%	12,888	12,881	-7	-0.1%
6.2%	10,546	10,542	-4	0.0%
7.4%	8,758	8,754	-4	0.0%
8.6%	8,450	8,442	-8	-0.1%
9.9%	7,759	7,750	-9	-0.1%
11.1%	7,679	7,673	-6	-0.1%
12.3%	7,560	7,551	-9	-0.1%
13.6%	6,702	6,696	-6	-0.1%
14.8%	5,088	5,083	-5	-0.1%
16.0%	4,780	4,771	-9	-0.2%
17.3%	4,532	4,524	-8	-0.2%
18.5%	4,215	4,209	-6	-0.1%
19.8%	3,831	3,823	-8	-0.2%
21.0%	3,793	3,822	29	0.8%
22.2%	3,768	3,769	1	0.0%
23.5%	3,574	3,567	-7	-0.2%
24.7%	3,237	3,225	-12	-0.4%
25.9%	2,962	2,983	20	0.7%
27.2%	2,783	2,949	166	6.0%
28.4%	2,693	2,690	-3	-0.1%
29.6%	2,554	2,654	100	3.9%
30.9%	2,150	2,161	11	0.5%
32.1%	2,160	2,157	-3	-0.2%
33.3%	1,999	1,999	0	0.0%
34.6%	1,951	1,893	-58	-2.9%
35.8%	1,900	1,890	-10	-0.5%
37.0%	1,894	1,806	-88	-4.7%
38.3%	1,808	1,647	-161	-8.9%
39.5%	1,649	1,490	-159	-9.6%
40.7%	1,492	1,451	-41	-2.7%
42.0%	1,384	1,433	49	3.5%
43.2%	1,233	1,382	150	12.2%
44.4%	1,224	1,232	7	0.6%
45.7%	1,127	1,220	93	8.2%
46.9%	1,121	1,120	-1	-0.1%
48.1%	1,000	1,070	70	7.0%
49.4%	1,000	1,000	0	0.0%
50.6%	1,000	1,000	0	0.0%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	781	780	-1	0.0%
90.1%	778	777	-1	-0.2%
91.4%	750	750	0	0.0%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,704	24	0.2%
1.2%	11,332	11,224	-108	-0.9%
2.5%	10,955	10,944	-12	-0.1%
3.7%	9,970	9,056	-914	-9.2%
4.9%	8,492	8,480	-12	-0.1%
6.2%	8,203	8,189	-15	-0.2%
7.4%	7,128	6,730	-398	-5.6%
8.6%	6,741	6,504	-238	-3.5%
9.9%	6,519	6,108	-411	-6.3%
11.1%	6,123	6,019	-104	-1.7%
12.3%	6,034	5,584	-450	-7.5%
13.6%	5,598	5,501	-98	-1.7%
14.8%	5,514	5,474	-40	-0.7%
16.0%	5,319	4,427	-893	-16.8%
17.3%	4,855	4,347	-508	-10.5%
18.5%	4,834	4,342	-492	-10.2%
19.8%	4,775	4,108	-666	-14.0%
21.0%	4,730	3,867	-863	-18.2%
22.2%	4,439	4,399	-40	-0.9%
23.5%	4,381	4,320	-61	-1.4%
24.7%	4,356	3,548	-808	-18.5%
25.9%	4,349	3,504	-845	-19.4%
27.2%	4,238	3,447	-791	-18.7%
28.4%	4,231	3,418	-813	-19.2%
29.6%	4,200	3,200	-1,000	-23.8%
30.9%	4,101	3,322	-779	-19.0%
32.1%	4,092	3,315	-777	-19.0%
33.3%	4,087	3,185	-902	-22.1%
34.6%	3,922	3,161	-760	-19.4%
35.8%	3,895	3,065	-830	-21.3%
37.0%	3,888	2,999	-889	-22.9%
38.3%	3,884	2,785	-1,099	-28.3%
39.5%	3,741	2,779	-962	-25.7%
40.7%	3,733	2,763	-970	-26.0%
42.0%	3,528	2,748	-780	-22.1%
43.2%	3,508	2,644	-864	-24.6%
44.4%	3,474	2,644	-830	-23.9%
45.7%	3,367	2,577	-790	-23.5%
46.9%	3,360	2,547	-813	-24.2%
48.1%	3,099	2,547	-552	-17.8%
49.4%	3,079	2,541	-538	-17.5%
50.6%	2,809	2,328	-481	-16.8%
51.9%	2,951	2,468	-482	-16.3%
53.1%	2,864	2,353	-511	-17.9%
54.3%	2,844	2,348	-496	-17.4%
55.6%	2,828	2,333	-495	-17.5%
56.8%	2,816	2,316	-500	-17.8%
58.0%	2,809	2,252	-557	-19.8%
59.3%	2,781	2,215	-566	-20.3%
60.5%	2,760	2,153	-607	-22.0%
61.7%	2,743	2,149	-594	-21.7%
63.0%	2,722	2,146	-576	-21.2%
64.2%	2,638	2,047	-591	-22.4%
65.4%	2,589	2,011	-579	-22.3%
66.7%	2,450	2,000	-450	-18.4%
67.9%	2,412	2,000	-412	-17.1%
69.1%	2,405	2,000	-405	-16.8%
70.4%	2,347	2,000	-347	-14.8%
71.6%	2,269	2,000	-269	-11.9%
72.8%	2,230	2,000	-230	-10.3%
74.1%	2,161	1,985	-176	-8.1%
75.3%	2,094	1,965	-128	-6.1%
76.5%	2,024	1,955	-69	-3.4%
77.8%	1,995	1,894	-101	-5.0%
79.0%	1,962	1,881	-81	-4.1%
80.2%	1,860	1,876	16	0.9%
81.5%	1,733	1,754	21	1.2%
82.7%	1,694	1,695	1	0.1%
84.0%	1,667	1,690	23	1.4%
85.2%	1,536	1,683	147	9.6%
86.4%	1,497	1,679	183	12.2%
87.7%	1,475	1,616	142	9.6%
88.9%	1,458	1,597	140	9.6%
90.1%	1,276	1,581	305	23.9%
91.4%	1,139	1,567	428	37.6%
92.6%	1,103	1,529	426	38.7%
93.8%	1,038	1,483	445	42.9%
95.1%	1,000	1,464	464	46.4%
96.3%	1,000	1,456	456	45.6%
97.5%	1,000	1,428	428	42.8%
98.8%	1,000	1,400	400	40.0%
100.0%	860	977	117	13.6%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	9,783	-217	-2.2%
2.5%	10,000	9,779	-221	-2.2%
3.7%	10,000	9,756	-244	-2.4%
4.9%	10,000	9,722	-278	-2.8%
6.2%	10,000	9,565	-435	-4.3%
7.4%	10,000	9,542	-458	-4.6%
8.6%	10,000	9,527	-473	-4.7%
9.9%	10,000	9,469	-531	-5.3%
11.1%	9,977	9,391	-587	-5.9%
12.3%	9,931	9,346	-585	-5.9%
13.6%	9,771	9,340	-431	-4.4%
14.8%	9,769	9,334	-435	-4.5%
16.0%	9,675	9,264	-411	-4.2%
17.3%	9,618	9,188	-430	-4.5%
18.5%	9,450	8,877	-573	-6.1%
19.8%	9,428	8,757	-671	-7.1%
21.0%	9,417	8,741	-676	-7.2%
22.2%	9,373	8,636	-737	-7.9%
23.5%	9,341	8,634	-707	-7.6%
24.7%	9,306	8,532	-774	-8.3%
25.9%	9,263	8,383	-880	-9.5%
27.2%	9,216	8,381	-834	-9.1%
28.4%	9,206	8,365	-841	-9.1%
29.6%	9,200	8,271	-929	-10.1%
30.9%	9,073	8,227	-846	-9.3%
32.1%	8,986	8,212	-774	-8.6%
33.3%	8,917	8,180	-737	-8.3%
34.6%	8,904	8,170	-735	-8.3%
35.8%	8,892	8,151	-741	-8.3%
37.0%	8,867	8,107	-760	-8.6%
38.3%	8,853	8,017	-836	-9.4%
39.5%	8,766	7,909	-857	-9.8%
40.7%	8,751	7,887	-863	-9.9%
42.0%	8,665	7,841	-824	-9.5%
43.2%	8,594	7,636	-958	-11.1%
44.4%	8,603	7,809	-794	-9.2%
45.7%	8,553	7,770	-783	-9.1%
46.9%	8,549	7,739	-811	-9.5%
48.1%	8,511	7,646	-865	-10.2%
49.4%	8,418	7,639	-779	-9.3%
50.6%	8,304	7,605	-699	-8.4%
51.9%	8,317	7,604	-713	-8.6%
53.1%	8,287	7,578	-709	-8.6%
54.3%	8,191	7,525	-666	-8.1%
55.6%	8,066	7,446	-620	-7.7%
56.8%	7,969	7,426	-543	-6.8%
58.0%	7,821	7,349	-472	-6.0%
59.3%	7,753	7,333	-420	-5.4%
60.5%	7,742	7,318	-424	-5.5%
61.7%	7,691	7,212	-479	-6.2%
63.0%	7,687	7,162	-525	-6.8%
64.2%	7,567	6,993	-574	-7.6%
65.4%	7,553	6,903	-650	-8.6%
66.7%	7,217	6,856	-361	-5.0%
67.9%	7,020	6,597	-424	-6.0%
69.1%	6,424	6,448	24	0.4%
70.4%	6,074	6,353	279	4.6%
71.6%	5,754	5,598	-156	-2.7%
72.8%	5,740	5,566	-174	-3.0%
74.1%	5,183	5,195	13	0.2%
75.3%	5,160	5,045	-115	-2.2%
76.5%	4,971	4,966	-5	-0.1%
77.8%	4,330	4,775	446	10.3%
79.0%	4,030	4,371	340	8.4%
80.2%	4,028	4,227	199	4.9%
81.5%	3,881	3,254	-627	-16.1%
82.7%	3,250	3,013	-237	-7.3%
84.0%	2,877	2,847	-30	-1.0%
85.2%	2,668	2,633	-35	-1.3%
86.4%	2,653	2,586	-68	-2.5%
87.7%	2,645	2,480	-165	-6.3%
88.9%	2,390	2,440	50	2.1%
90.1%	2,362	2,400	38	1.6%
91.4%	2,347	2,400	53	2.3%
92.6%	2,164	2,400	236	10.9%
93.8%	1,910	2,358	448	23.5%
95.1%	1,810	2,124	314	17.4%
96.3%	1,761	1,866	105	6.0%
97.5%	1,749	1,867	118	6.8%
98.8%	1,485	1,824	339	22.8%
100.0%	1,417	1,470	54	3.8%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,365	8,346	-19	-0.2%
1.2%	8,324	8,282	-42	-0.5%
2.5%	8,303	8,189	-114	-1.4%
3.7%	8,196	8,119	-76	-0.9%
4.9%	8,195	8,055	-140	-1.7%
6.2%	8,174	7,891	-284	-3.5%
7.4%	8,119	7,676	-443	-5.5%
8.6%	8,081	7,666	-415	-5.1%
9.9%	7,924	7,632	-292	-3.7%
11.1%	7,895	7,533	-362	-4.6%
12.3%	7,846	7,464	-382	-4.9%
13.6%	7,840	7,383	-457	-5.8%
14.8%	7,825	7,349	-476	-6.1%
16.0%	7,711	7,332	-379	-4.9%
17.3%	7,658	7,304	-354	-4.6%
18.5%	7,630	7,286	-344	-4.5%
19.8%	7,607	7,266	-341	-4.5%
21.0%	7,598	7,088	-510	-6.7%
22.2%	7,538	6,947	-591	-7.8%
23.5%	7,506	6,766	-740	-9.8%
24.7%	7,503	6,677	-826	-11.0%
25.9%	7,397	6,573	-824	-11.1%
27.2%	7,289	6,502	-787	-10.8%
28.4%	7,235	6,442	-793	-11.0%
29.6%	7,171	6,337	-834	-11.6%
30.9%	6,948	6,183	-765	-11.0%
32.1%	6,559	6,135	-424	-6.5%
33.3%	6,539	6,070	-469	-7.2%
34.6%	6,538	6,035	-503	-7.7%
35.8%	6,349	5,690	-659	-10.4%
37.0%	6,858	5,681	-1,177	-17.1%
38.3%	5,415	5,597	182	3.4%
39.5%	5,313	5,511	198	3.7%
40.7%	4,965	5,488	524	10.5%
42.0%	4,920	5,416	496	10.1%
43.2%	4,762	5,362	600	12.6%
44.4%	4,620	5,047	427	9.2%
45.7%	4,637	4,823	186	4.0%
46.9%	4,577	4,633	56	1.2%
48.1%	4,387	4,078	-308	-7.0%
49.4%	4,310	3,906	-404	-9.4%
50.6%	4,224	3,816	-407	-9.6%
51.9%	4,142	3,741	-401	-9.7%
53.1%	4,020	4,736	716	17.8%
54.3%	3,999	3,509	-490	-12.3%
55.6%	3,847	3,434	-413	-10.7%
56.8%	3,735	3,409	-326	-8.7%
58.0%	3,682	3,310	-372	-10.1%
59.3%	3,649	3,088	-561	-15.4%
60.5%	3,541	3,083	-458	-13.0%
61.7%	3,365	3,050	-315	-9.3%
63.0%	3,184	2,993	-190	-6.0%
64.2%	3,101	2,723	-378	-12.2%
65.4%	2,401	2,598	197	8.2%
66.7%	2,368	2,532	164	6.9%
67.9%	2,321	2,500	179	7.7%
69.1%	2,313	2,500	187	8.1%
70.4%	2,223	2,500	277	12.4%
71.6%	2,192	2,500	308	14.0%
72.8%	1,925	2,500	575	29.9%
74.1%	1,918	2,500	582	30.3%
75.3%	1,814	2,492	678	37.4%
76.5%	1,743	2,245	502	28.8%
77.8%	1,599	2,060	461	28.9%
79.0%	1,586	2,047	461	29.1%
80.2%	1,577	2,025	448	28.4%
81.5%	1,537	1,847	309	20.1%
82.7%	1,534	1,637	103	6.7%
84.0%	1,501	1,596	95	6.3%
85.2%	1,481	1,832	351	23.7%
86.4%	1,472	1,468	-4	-0.2%
87.7%	1,302	1,313	11	0.9%
88.9%	1,281	1,308	27	

Table SW-23-a  
Feather River at Mouth, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	3,169	2,943	5,097	10,694	11,729	12,312	8,719	7,637	6,212	7,797	5,486	7,192
DCR 2015 With Project	3,241	2,971	5,238	10,766	11,974	12,464	8,720	7,584	5,850	7,392	5,354	7,138
Difference	72	28	141	72	245	152	1	-53	-361	-405	-133	-54
Percent Difference <sup>2</sup>	2.3%	1.0%	2.8%	0.7%	2.1%	1.2%	0.0%	-0.7%	-5.8%	-5.2%	-2.4%	-0.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	4,324	3,931	7,705	21,606	23,705	23,138	15,840	14,346	10,242	8,525	5,791	11,261
DCR 2015 With Project	4,309	3,946	7,851	21,668	24,300	23,442	15,943	14,371	10,210	8,007	6,079	10,757
Difference	-15	14	146	62	596	305	103	24	-32	-518	288	-505
Percent Difference	-0.3%	0.4%	1.9%	0.3%	2.5%	1.3%	0.7%	0.2%	-0.3%	-6.1%	5.0%	-4.5%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	4,163	3,293	4,190	10,203	11,094	16,633	9,626	7,785	6,420	9,643	7,992	9,944
DCR 2015 With Project	4,282	3,358	4,285	10,555	11,652	16,986	9,559	7,797	6,339	9,250	7,721	9,809
Difference	119	65	95	353	558	352	-66	12	-81	-393	-272	-136
Percent Difference	2.9%	2.0%	2.3%	3.5%	5.0%	2.1%	-0.7%	0.2%	-1.3%	-4.1%	-3.4%	-1.4%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	3,624	3,237	5,762	5,361	7,108	6,627	5,332	4,744	4,761	9,420	8,206	6,221
DCR 2015 With Project	3,758	3,257	5,834	5,362	6,968	6,591	5,332	4,564	4,355	8,659	7,036	5,789
Difference	134	21	72	1	-140	-36	0	-180	-406	-761	-1,170	-432
Percent Difference	3.7%	0.6%	1.2%	0.0%	-2.0%	-0.5%	0.0%	-3.8%	-8.5%	-8.1%	-14.3%	-6.9%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,775	2,214	3,663	4,248	4,210	4,595	4,134	3,641	3,988	7,267	3,713	3,763
DCR 2015 With Project	1,900	2,270	3,975	4,250	4,213	4,619	4,073	3,658	3,057	7,087	3,843	4,352
Difference	126	55	312	2	3	24	-60	17	-931	-180	130	588
Percent Difference	7.1%	2.5%	8.5%	0.0%	0.1%	0.5%	-1.5%	0.5%	-23.3%	-2.5%	3.5%	15.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,233	1,202	1,730	3,435	3,085	2,743	3,216	2,321	2,299	3,275	1,807	1,898
DCR 2015 With Project	1,294	1,192	1,726	3,438	3,072	2,774	3,157	2,082	1,850	3,181	1,717	2,379
Difference	60	-10	-4	3	-13	31	-59	-239	-449	-95	-89	481
Percent Difference	4.9%	-0.8%	-0.2%	0.1%	-0.4%	1.1%	-1.8%	-10.3%	-19.5%	-2.9%	-4.9%	25.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

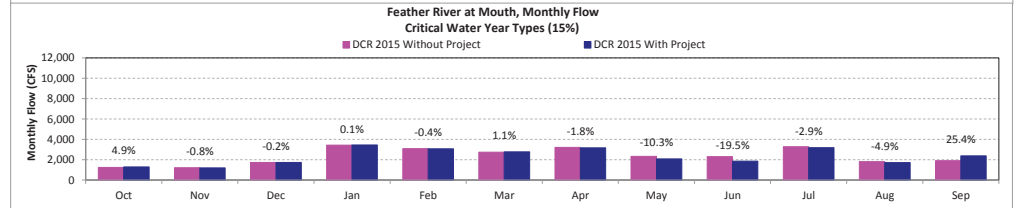
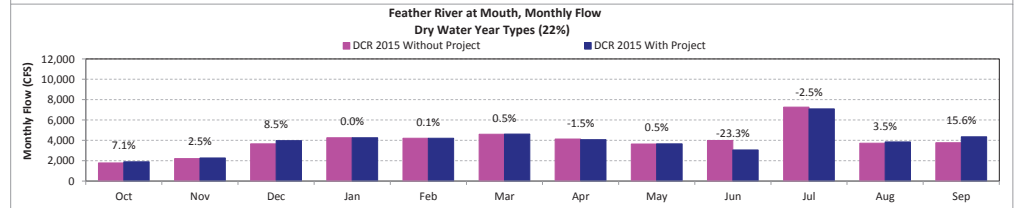
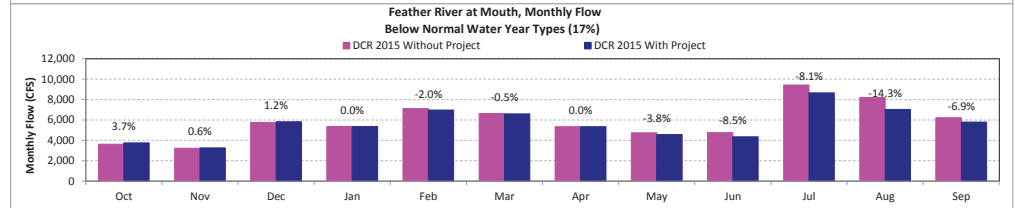
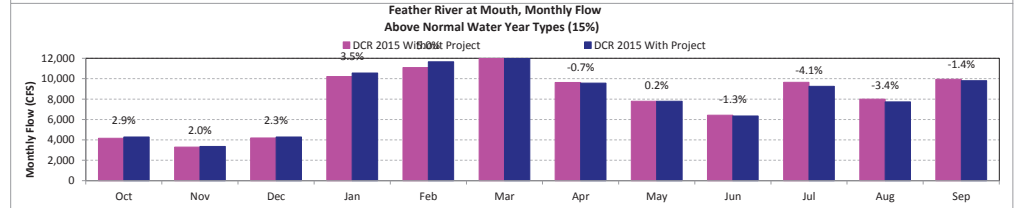
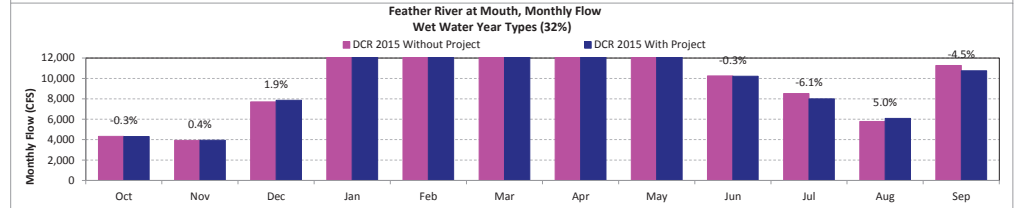
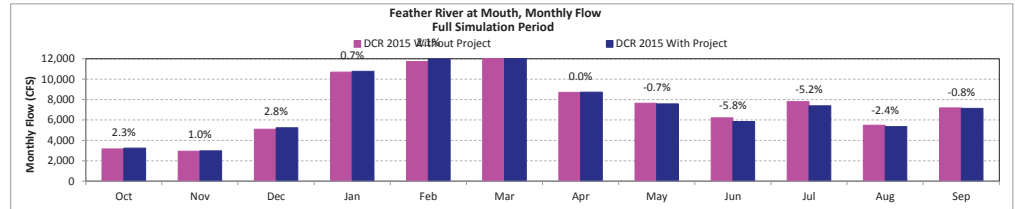


Figure SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

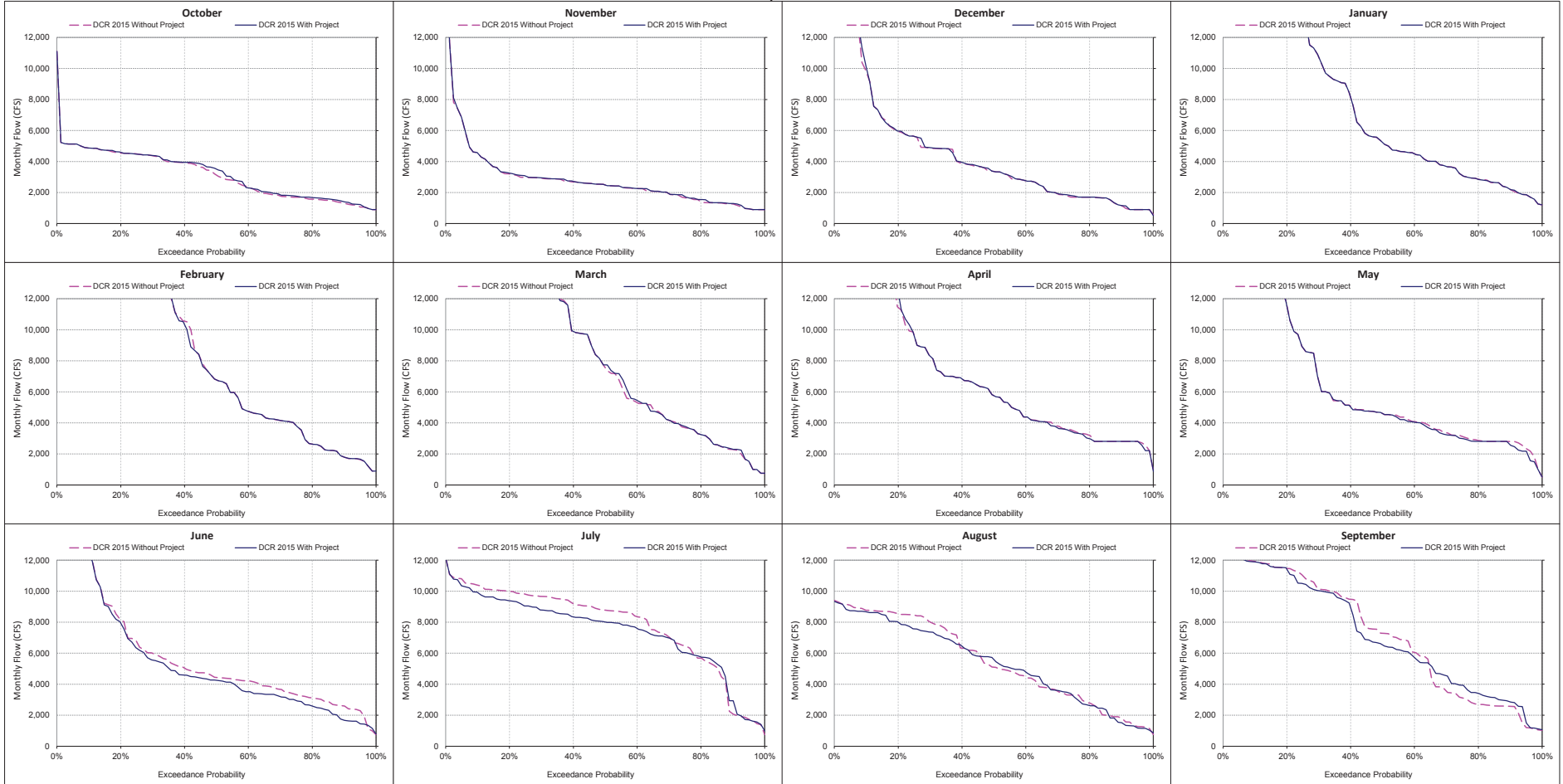


Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,123	11,102	-12	-0.1%	
1.2%	5,228	5,228	0	0.0%	
2.5%	5,149	5,151	1	0.0%	
3.7%	5,131	5,134	3	0.1%	
4.9%	5,129	5,131	1	0.0%	
6.2%	5,129	5,130	0	0.0%	
7.4%	5,003	5,005	3	0.1%	
8.6%	4,807	4,807	0	0.0%	
9.9%	4,862	4,871	9	0.2%	
11.1%	4,857	4,862	5	0.1%	
12.3%	4,856	4,850	-6	-0.1%	
13.6%	4,761	4,761	1	0.0%	
14.8%	4,726	4,727	0	0.0%	
16.0%	4,714	4,716	2	0.0%	
17.3%	4,632	4,714	81	1.8%	
18.5%	4,581	4,633	53	1.1%	
19.8%	4,544	4,610	66	1.5%	
21.0%	4,536	4,537	1	0.0%	
22.2%	4,528	4,529	1	0.0%	
23.5%	4,516	4,508	-9	-0.2%	
24.7%	4,503	4,482	-21	-0.5%	
25.9%	4,462	4,463	1	0.0%	
27.2%	4,427	4,434	6	0.1%	
28.4%	4,425	4,425	0	0.0%	
29.6%	4,389	4,385	-5	-0.1%	
30.9%	4,338	4,371	33	0.8%	
32.1%	4,320	4,324	4	0.1%	
33.3%	4,109	4,111	2	0.1%	
34.6%	3,998	4,110	111	2.8%	
35.8%	3,987	3,999	12	0.3%	
37.0%	3,961	3,988	26	0.7%	
38.3%	3,948	3,962	14	0.4%	
39.5%	3,945	3,949	4	0.1%	
40.7%	3,898	3,945	47	1.2%	
42.0%	3,882	3,943	61	1.6%	
43.2%	3,807	3,807	0	0.0%	
44.4%	3,845	3,885	242	6.6%	
45.7%	3,627	3,807	180	5.0%	
46.9%	3,452	3,652	200	5.8%	
48.1%	3,423	3,646	223	6.5%	
49.4%	3,202	3,564	361	11.3%	
50.6%	2,471	2,712	241	9.7%	
51.9%	2,939	3,376	437	14.9%	
53.1%	2,836	3,052	216	7.6%	
54.3%	2,811	3,046	235	8.4%	
55.6%	2,785	2,813	28	1.0%	
56.8%	2,602	2,744	142	5.4%	
58.0%	2,471	2,712	241	9.7%	
59.3%	2,406	2,326	-79	-3.3%	
60.5%	2,297	2,287	-10	-0.4%	
61.7%	2,206	2,238	31	1.4%	
63.0%	2,070	2,209	139	6.7%	
64.2%	1,953	2,054	111	5.7%	
65.4%	1,947	2,040	93	4.8%	
66.7%	1,896	2,014	118	6.2%	
67.9%	1,850	1,947	98	5.3%	
69.1%	1,846	1,926	80	4.3%	
70.4%	1,751	1,830	79	4.5%	
71.6%	1,737	1,823	86	4.9%	
72.8%	1,716	1,805	89	5.2%	
74.1%	1,700	1,787	87	5.1%	
75.3%	1,700	1,752	52	3.1%	
76.5%	1,700	1,712	12	0.7%	
77.8%	1,634	1,700	66	4.0%	
79.0%	1,575	1,700	125	7.9%	
80.2%	1,568	1,663	95	6.1%	
81.5%	1,547	1,654	107	6.9%	
82.7%	1,535	1,633	98	6.4%	
84.0%	1,506	1,595	89	5.9%	
85.2%	1,500	1,578	79	5.2%	
86.4%	1,473	1,542	69	4.7%	
87.7%	1,402	1,521	119	8.5%	
88.9%	1,354	1,465	111	8.2%	
90.1%	1,303	1,397	93	7.2%	
91.4%	1,236	1,356	120	9.7%	
92.6%	1,200	1,251	51	4.3%	
93.8%	1,200	1,237	37	3.1%	
95.1%	1,065	1,225	159	15.0%	
96.3%	1,062	1,066	4	0.3%	
97.5%	969	974	-15	-1.5%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	21,697	21,669	-28	-0.1%	
1.2%	11,684	11,680	-3	0.0%	
2.5%	7,819	8,118	297	3.8%	
3.7%	7,422	7,423	1	0.0%	
4.9%	6,861	6,861	0	0.0%	
6.2%	5,896	5,897	0	0.0%	
7.4%	4,932	4,935	3	0.1%	
8.6%	4,610	4,611	0	0.0%	
9.9%	4,584	4,584	0	0.0%	
11.1%	4,288	4,285	-2	-0.1%	
12.3%	4,154	4,154	0	0.0%	
13.6%	3,896	3,895	-1	0.0%	
14.8%	3,667	3,667	0	0.0%	
16.0%	3,613	3,613	0	0.0%	
17.3%	3,338	3,338	0	0.0%	
18.5%	3,214	3,321	107	3.3%	
19.8%	3,207	3,270	63	2.0%	
21.0%	3,150	3,210	61	1.9%	
22.2%	3,112	3,151	39	1.2%	
23.5%	2,985	3,113	128	4.3%	
24.7%	2,972	3,094	121	4.1%	
25.9%	2,969	2,987	18	0.6%	
27.2%	2,960	2,974	14	0.5%	
28.4%	2,949	2,970	21	0.7%	
29.6%	2,945	2,962	17	0.6%	
30.9%	2,895	2,944	49	1.7%	
32.1%	2,886	2,896	10	0.3%	
33.3%	2,885	2,886	1	0.0%	
34.6%	2,877	2,885	8	0.3%	
35.8%	2,869	2,877	7	0.3%	
37.0%	2,753	2,868	113	4.1%	
38.3%	2,749	2,756	7	0.3%	
39.5%	2,690	2,750	60	2.2%	
40.7%	2,683	2,684	0	0.0%	
42.0%	2,642	2,641	-1	0.0%	
43.2%	2,607	2,620	0	0.0%	
44.4%	2,603	2,594	-8	-0.3%	
45.7%	2,586	2,586	0	0.0%	
46.9%	2,540	2,540	0	0.0%	
48.1%	2,534	2,535	1	0.0%	
49.4%	2,532	2,532	0	0.0%	
50.6%	2,442	2,442	0	0.0%	
51.9%	2,428	2,432	4	0.2%	
53.1%	2,421	2,418	-3	-0.1%	
54.3%	2,417	2,415	-2	-0.1%	
55.6%	2,320	2,321	1	0.1%	
56.8%	2,293	2,320	27	1.2%	
58.0%	2,286	2,302	16	0.7%	
59.3%	2,268	2,275	7	0.3%	
60.5%	2,256	2,259	4	0.2%	
61.7%	2,244	2,253	8	0.4%	
63.0%	2,108	2,246	138	6.5%	
64.2%	2,085	2,108	23	1.1%	
65.4%	2,078	2,074	-3	-0.2%	
66.7%	2,075	2,073	-2	-0.1%	
67.9%	2,028	2,027	-1	0.0%	
69.1%	2,022	2,024	1	0.1%	
70.4%	1,876	1,875	-1	0.0%	
71.6%	1,851	1,871	20	1.1%	
72.8%	1,845	1,853	8	0.5%	
74.1%	1,700	1,850	150	8.8%	
75.3%	1,648	1,700	52	3.1%	
76.5%	1,639	1,644	4	0.3%	
77.8%	1,551	1,632	81	5.2%	
79.0%	1,550	1,553	3	0.2%	
80.2%	1,359	1,551	192	14.1%	
81.5%	1,350	1,527	177	13.1%	
82.7%	1,341	1,359	18	1.3%	
84.0%	1,333	1,351	18	1.4%	
85.2%	1,328	1,345	17	1.2%	
86.4%	1,326	1,336	10	0.8%	
87.7%	1,284	1,330	46	3.5%	
88.9%	1,284	1,286	3	0.2%	
90.1%	1,257	1,285	27	2.2%	
91.4%	1,173	1,256	83	7.1%	
92.6%	1,084	1,177	94	8.6%	
93.8%	968	966	-2	-0.2%	
95.1%	943	904	-39	-4.1%	
96.3%	900	900	0	0.0%	
97.5%	900	900	0	0.0%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	47,785	47,785	0	0.0%	
1.2%	23,676	29,097	5,421	22.9%	
2.5%	21,738	22,513	775	3.5%	
3.7%	19,913	19,913	-1	0.0%	
4.9%	15,475	18,029	2,554	16.5%	
6.2%	13,076	13,075	-1	0.0%	
7.4%	12,932	12,934	2	0.0%	
8.6%	10,390	11,331	941	9.1%	
9.9%	9,857	10,152	295	3.0%	
11.1%	9,141	9,143	2	0.0%	
12.3%	7,567	7,568	1	0.0%	
13.6%	7,342	7,344	3	0.0%	
14.8%	6,839	6,839	0	0.0%	
16.0%	6,651	6,658	7	0.1%	
17.3%	6,289	6,314	25	0.4%	
18.5%	6,108	6,178	70	1.1%	
19.8%	5,954	5,962	8	0.1%	
21.0%	5,885	5,954	69	1.2%	
22.2%	5,758	5,738	-20	-0.3%	
23.5%	5,659	5,642	-17	-0.3%	
24.7%	5,642	5,636	-6	-0.1%	
25.9%	5,558	5,580	22	0.4%	
27.2%	4,914	5,513	599	12.2%	
28.4%	4,912	4,917	5	0.1%	
29.6%	4,903	4,912	9	0.2%	
30.9%	4,844	4,872	28	0.6%	
32.1%	4,844	4,848	4	0.1%	
33.3%	4,831	4,836	5	0.1%	
34.6%	4,818	4,831	14	0.3%	
35.8%	4,814	4,817	3	0.1%	
37.0%	4,782	4,568	-214	-4.5%	
38.3%	4,026	4,027	1	0.0%	
39.5%	3,899	3,983	84	2.2%	
40.7%	3,846	3,897	51	1.3%	
42.0%	3,812	3,808	-4	-0.1%	
43.2%	3,760	3,803	43	1.2%	
44.4%	3,671	3,733	62	1.7%	
45.7%	3,664	3,674	10	0.3%	
46.9%	3,600	3,601	2	0.0%	
48.1%	3,392	3,565	173	5.1%	
49.4%	3,385	3,387	2	0.1%	
50.6%	3,335	3,333	-2	0.0%	
51.9%	3,322	3,325	3	0.1%	
53.1%	3,224	3,219	-5	-0.2%	
54.3%	3,140	3,140	0	0.0%	
55.6%	2,887	3,037	150	5.2%	
56.8%	2,871	2,899	18	0.6%	
58.0%	2,856	2,857	1	0.0%	
59.3%	2,796	2,796	0	0.0%	
60.5%	2,738	2,740	1	0.1%	
61.7%	2,725	2,727	2	0.1%	
63.0%	2,662	2,663	1	0.0%	
64.2%	2,500	2,500	0	0.0%	
65.4%	2,381	2,388	7	0.3%	
66.7%	2,054	2,056	1	0.1%	
67.9%	2,018	2,022	4	0.2%	
69.1%	1,998	1,999	1	0.0%	
70.4%	1,876	1,802	-75	-4.0%	
71.6%	1,859	1,875	16	0.9%	
72.8%	1,802	1,860	58	3.2%	
74.1%	1,710	1,803	93	5.4%	
75.3%	1,700	1,773	73	4.3	

Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,426	73,148	1,722	2.4%
1.2%	41,897	47,215	5,318	12.7%
2.5%	38,327	38,840	513	1.4%
3.7%	35,641	36,328	686	1.9%
4.9%	35,400	35,654	254	0.7%
6.2%	35,055	35,403	348	1.0%
7.4%	33,783	35,059	1,276	3.8%
8.6%	31,923	33,784	1,861	5.8%
9.9%	31,079	31,050	-29	-0.1%
11.1%	30,135	30,139	4	0.0%
12.3%	25,878	25,880	2	0.0%
13.6%	23,307	23,310	3	0.0%
14.8%	21,354	22,005	650	3.0%
16.0%	20,612	21,354	742	3.6%
17.3%	20,121	20,595	473	2.4%
18.5%	19,106	20,160	1,053	5.5%
19.8%	18,712	18,713	1	0.0%
21.0%	18,049	18,049	0	0.0%
22.2%	16,450	17,385	935	5.7%
23.5%	16,416	16,455	39	0.2%
24.7%	15,762	16,416	654	4.1%
25.9%	15,612	15,765	152	1.0%
27.2%	15,036	15,620	584	3.9%
28.4%	14,532	15,126	594	4.1%
29.6%	13,606	14,548	942	6.9%
30.9%	12,829	14,216	1,387	10.8%
32.1%	12,512	13,607	1,095	8.8%
33.3%	12,410	12,826	416	3.4%
34.6%	12,139	12,514	375	3.1%
35.8%	12,042	12,139	97	0.8%
37.0%	11,108	11,107	-1	0.0%
38.3%	10,883	10,578	-305	-2.8%
39.5%	10,576	10,523	-53	-0.5%
40.7%	10,521	10,029	-492	-4.7%
42.0%	10,008	8,895	-1,113	-11.1%
43.2%	9,326	8,666	-660	-7.1%
44.4%	8,414	8,424	10	0.1%
45.7%	7,806	7,627	-178	-2.3%
46.9%	7,414	7,415	1	0.0%
48.1%	7,117	7,119	2	0.0%
49.4%	6,827	6,827	0	0.0%
50.6%	6,713	6,713	0	0.0%
51.9%	6,655	6,656	1	0.0%
53.1%	6,522	6,525	3	0.0%
54.3%	5,957	5,959	2	0.0%
55.6%	5,956	5,956	0	0.0%
56.8%	5,623	5,624	1	0.0%
58.0%	4,910	4,911	0	0.0%
59.3%	4,787	4,788	2	0.0%
60.5%	4,706	4,707	1	0.0%
61.7%	4,618	4,619	2	0.0%
63.0%	4,582	4,582	0	0.0%
64.2%	4,530	4,531	1	0.0%
65.4%	4,318	4,319	1	0.0%
66.7%	4,253	4,263	10	0.2%
67.9%	4,234	4,238	4	0.1%
69.1%	4,184	4,188	4	0.1%
70.4%	4,136	4,136	0	0.0%
71.6%	4,099	4,103	4	0.1%
72.8%	4,078	4,076	-3	-0.1%
74.1%	4,016	4,018	2	0.0%
75.3%	3,749	3,749	1	0.0%
76.5%	3,535	3,538	3	0.1%
77.8%	2,923	2,922	-1	0.0%
79.0%	2,665	2,666	1	0.0%
80.2%	2,615	2,616	0	0.0%
81.5%	2,607	2,608	1	0.0%
82.7%	2,491	2,496	5	0.2%
84.0%	2,262	2,262	0	0.0%
85.2%	2,234	2,235	1	0.0%
86.4%	2,223	2,223	1	0.0%
87.7%	2,181	2,183	2	0.1%
88.9%	1,880	1,882	2	0.1%
90.1%	1,782	1,784	2	0.1%
91.4%	1,700	1,707	7	0.4%
92.6%	1,700	1,700	0	0.0%
93.8%	1,692	1,700	8	0.5%
95.1%	1,627	1,661	33	2.1%
96.3%	1,522	1,524	2	0.1%
97.5%	1,204	1,205	1	0.1%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,613	58,613	1	0.0%
1.2%	58,312	58,036	-276	-0.5%
2.5%	47,764	47,749	-15	0.0%
3.7%	37,216	37,351	135	0.4%
4.9%	35,819	36,172	354	1.0%
6.2%	34,659	34,661	2	0.0%
7.4%	31,957	33,727	1,770	5.5%
8.6%	30,567	30,838	271	0.9%
9.9%	29,369	29,370	1	0.0%
11.1%	29,097	29,099	2	0.0%
12.3%	27,671	27,671	0	0.0%
13.6%	26,099	26,100	1	0.0%
14.8%	23,889	23,889	0	0.0%
16.0%	23,213	23,665	452	1.9%
17.3%	22,306	22,307	1	0.0%
18.5%	21,897	21,879	-18	-0.1%
19.8%	18,567	19,936	1,369	7.4%
21.0%	17,402	18,571	1,169	6.7%
22.2%	17,272	18,264	992	5.7%
23.5%	16,562	17,119	557	3.4%
24.7%	16,226	16,981	755	4.7%
25.9%	15,407	16,224	816	5.3%
27.2%	14,845	15,733	888	6.0%
28.4%	14,785	14,845	60	0.4%
29.6%	13,998	14,098	100	0.7%
30.9%	13,996	14,092	96	0.7%
32.1%	13,253	13,996	743	5.6%
33.3%	12,921	12,921	0	0.0%
34.6%	12,189	12,448	259	2.1%
35.8%	11,984	11,888	-97	-0.8%
37.0%	11,883	11,811	-72	-0.6%
38.3%	11,588	11,590	2	0.0%
39.5%	9,828	9,943	115	1.2%
40.7%	9,817	9,820	3	0.0%
42.0%	9,785	9,771	-14	-0.1%
43.2%	8,730	8,733	3	0.0%
44.4%	9,706	9,706	0	0.0%
45.7%	8,987	8,987	0	0.0%
46.9%	8,400	8,401	1	0.0%
48.1%	8,160	8,161	1	0.0%
49.4%	7,739	7,738	-1	0.0%
50.6%	7,371	7,234	-137	-1.9%
51.9%	7,192	7,373	180	2.5%
53.1%	7,178	7,192	14	0.2%
54.3%	6,743	7,179	436	6.5%
55.6%	6,146	6,756	610	9.9%
56.8%	5,579	6,146	567	10.2%
58.0%	4,828	5,576	748	15.5%
59.3%	4,595	5,532	937	20.6%
60.5%	4,253	5,398	1,145	27.0%
61.7%	4,248	5,254	1,006	23.7%
63.0%	5,177	5,250	73	1.4%
64.2%	5,175	4,781	-394	-7.6%
65.4%	4,760	4,742	-18	-0.4%
66.7%	4,739	4,661	-78	-1.7%
67.9%	4,527	4,528	1	0.0%
69.1%	4,231	4,234	3	0.1%
70.4%	4,130	4,140	10	0.2%
71.6%	4,069	3,979	-90	-2.2%
72.8%	3,959	3,959	0	0.0%
74.1%	3,744	3,842	98	2.6%
75.3%	3,674	3,744	71	1.9%
76.5%	3,636	3,634	-2	-0.1%
77.8%	3,556	3,556	1	0.0%
79.0%	3,297	3,297	0	0.0%
80.2%	3,237	3,237	0	0.0%
81.5%	3,174	3,175	1	0.0%
82.7%	2,951	2,955	4	0.1%
84.0%	2,621	2,622	1	0.0%
85.2%	2,577	2,578	1	0.0%
86.4%	2,465	2,467	2	0.1%
87.7%	2,365	2,440	75	3.2%
88.9%	2,300	2,366	66	2.9%
90.1%	2,286	2,302	16	0.7%
91.4%	2,231	2,287	56	2.5%
92.6%	1,984	2,236	252	12.7%
93.8%	1,652	1,654	2	0.1%
95.1%	1,516	1,517	1	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	1,000	1,000	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,210	49,206	-4	0.0%
1.2%	30,333	30,325	-8	0.0%
2.5%	28,596	28,590	-6	0.0%
3.7%	27,659	27,653	-6	0.0%
4.9%	27,272	27,267	-5	0.0%
6.2%	27,116	27,117	1	0.0%
7.4%	25,727	25,722	-5	0.0%
8.6%	25,464	25,463	-1	0.0%
9.9%	21,656	21,653	-3	0.0%
11.1%	18,835	18,835	0	0.0%
12.3%	17,892	17,888	-4	0.0%
13.6%	14,914	14,908	-6	0.0%
14.8%	14,826	14,821	-5	0.0%
16.0%	14,507	14,495	-12	-0.1%
17.3%	13,761	13,766	6	0.0%
18.5%	13,299	13,292	-7	-0.1%
19.8%	11,489	12,732	1,243	10.8%
21.0%	11,265	11,259	-6	-0.1%
22.2%	10,317	10,706	388	3.8%
23.5%	9,825	10,317	493	5.0%
24.7%	9,861	9,857	-4	0.0%
25.9%	8,902	9,002	100	1.1%
27.2%	8,897	8,897	0	0.0%
28.4%	8,871	8,870	-1	0.0%
29.6%	8,373	8,373	0	0.0%
30.9%	8,124	8,124	0	0.0%
32.1%	7,391	7,392	1	0.0%
33.3%	7,283	7,285	2	0.0%
34.6%	7,016	7,020	4	0.1%
35.8%	7,007	7,000	-7	-0.1%
37.0%	6,998	6,998	0	0.0%
38.3%	6,920	6,914	-6	-0.1%
39.5%	6,912	6,911	-1	0.0%
40.7%	6,729	6,729	0	0.0%
42.0%	6,709	6,704	-5	-0.1%
43.2%	6,628	6,624	-4	-0.1%
44.4%	6,476	6,478	2	0.0%
45.7%	6,336	6,336	0	0.0%
46.9%	6,306	6,306	0	0.0%
48.1%	6,214	6,216	2	0.0%
49.4%	5,823	5,826	3	0.0%
50.6%	5,884	5,884	0	0.0%
51.9%	5,644	5,648	4	0.1%
53.1%	5,342	5,342	0	0.0%
54.3%	5,324	5,313	-11	-0.2%
55.6%	4,999	4,998	-1	0.0%
56.8%	4,881	4,882	1	0.0%
58.0%	4,790	4,790	0	0.0%
59.3%	4,380	4,382	2	0.0%
60.5%	4,378	4,378	0	0.0%
61.7%	4,198	4,171	-27	-0.6%
63.0%	4,169	4,144	-25	-0.6%
64.2%	4,109	4,093	-16	-0.4%
65.4%	4,091	4,082	-9	-0.2%
66.7%	4,060	4,048	-12	-0.3%
67.9%	4,044	3,821	-223	-5.5%
69.1%	3,828	3,780	-48	-1.2%
70.4%	3,781	3,625	-156	-4.1%
71.6%	3,623	3,614	-9	-0.3%
72.8%	3,609	3,560	-49	-1.4%
74.1%	3,557	3,455	-102	-2.9%
75.3%	3,454	3,350	-104	-3.0%
76.5%	3,347	3,320	-27	-0.8%
77.8%	3,317	3,269	-48	-1.4%
79.0%	3,266	3,039	-228	-7.0%
80.2%	3,167	2,960	-207	-6.5%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2		



Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,593	22,581	-12	0.0%
1.2%	22,420	22,408	-13	-0.1%
2.5%	19,244	19,231	-13	-0.1%
3.7%	18,949	18,934	-15	-0.1%
4.9%	18,554	18,546	-8	0.0%
6.2%	18,115	18,102	-13	-0.1%
7.4%	17,573	17,564	-9	-0.1%
8.6%	12,425	12,411	-14	-0.1%
9.9%	12,420	12,410	-10	-0.1%
11.1%	11,954	11,941	-14	-0.1%
12.3%	10,748	10,735	-13	-0.1%
13.6%	10,291	10,276	-14	-0.1%
14.8%	9,222	9,113	-109	-1.2%
16.0%	9,125	9,019	-106	-1.2%
17.3%	9,032	8,511	-521	-5.8%
18.5%	8,524	8,183	-341	-4.0%
19.8%	8,195	8,032	-163	-2.0%
21.0%	8,034	7,568	-466	-5.8%
22.2%	6,960	6,947	-13	-0.2%
23.5%	6,953	6,719	-234	-3.4%
24.7%	6,853	6,367	-487	-7.1%
25.9%	6,851	6,187	-664	-9.7%
27.2%	6,240	6,051	-189	-3.0%
28.4%	6,025	5,710	-315	-5.2%
29.6%	5,577	5,577	-444	-7.4%
30.9%	5,917	5,513	-404	-6.8%
32.1%	5,808	5,441	-367	-6.3%
33.3%	5,659	5,358	-301	-5.3%
34.6%	5,590	5,131	-459	-8.2%
35.8%	5,361	4,889	-472	-8.8%
37.0%	5,245	4,869	-377	-7.2%
38.3%	5,137	4,613	-524	-10.2%
39.5%	5,101	4,600	-501	-9.8%
40.7%	4,946	4,585	-361	-7.3%
42.0%	4,870	4,499	-371	-7.6%
43.2%	4,787	4,304	-483	-10.1%
44.4%	4,743	4,421	-322	-6.8%
45.7%	4,737	4,376	-361	-7.6%
46.9%	4,725	4,346	-379	-8.0%
48.1%	4,597	4,276	-321	-7.0%
49.4%	4,446	4,270	-176	-4.0%
50.6%	4,419	4,241	-178	-4.0%
51.9%	4,406	4,202	-204	-4.6%
53.1%	4,385	4,135	-250	-5.7%
54.3%	4,365	4,128	-236	-5.4%
55.6%	4,292	4,008	-284	-6.6%
56.8%	4,281	3,906	-375	-8.8%
58.0%	4,231	3,594	-636	-15.3%
59.3%	4,223	3,523	-699	-16.6%
60.5%	4,204	3,515	-689	-16.4%
61.7%	4,148	3,403	-744	-17.9%
63.0%	4,067	3,392	-674	-16.6%
64.2%	3,903	3,377	-526	-13.5%
65.4%	3,887	3,354	-533	-13.7%
66.7%	3,858	3,346	-512	-13.3%
67.9%	3,782	3,338	-445	-11.8%
69.1%	3,695	3,267	-428	-11.6%
70.4%	3,658	3,172	-486	-13.3%
71.6%	3,481	3,152	-329	-9.4%
72.8%	3,456	3,025	-430	-12.5%
74.1%	3,389	3,024	-365	-10.8%
75.3%	3,308	2,916	-391	-11.8%
76.5%	3,248	2,877	-371	-11.4%
77.8%	3,208	2,686	-522	-16.3%
79.0%	3,140	2,668	-472	-15.0%
80.2%	3,115	2,583	-532	-17.1%
81.5%	3,067	2,488	-578	-18.9%
82.7%	3,031	2,458	-573	-18.9%
84.0%	2,897	2,368	-529	-18.3%
85.2%	2,873	2,221	-652	-22.7%
86.4%	2,692	2,066	-625	-23.2%
87.7%	2,650	2,027	-622	-23.5%
88.9%	2,627	1,748	-879	-33.4%
90.1%	2,590	1,676	-914	-35.3%
91.4%	2,414	1,559	-854	-35.4%
92.6%	2,398	1,620	-778	-32.4%
93.8%	2,374	1,618	-756	-31.8%
95.1%	2,286	1,440	-846	-37.0%
96.3%	1,921	1,431	-490	-25.5%
97.5%	1,118	1,348	229	20.5%
98.8%	1,000	1,556	556	55.6%
100.0%	750	800	50	6.7%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,160	12,105	-55	-0.5%
1.2%	11,063	11,115	52	0.5%
2.5%	10,884	10,781	-103	-0.9%
3.7%	10,829	10,749	-80	-0.7%
4.9%	10,806	10,352	-454	-4.2%
6.2%	10,515	10,285	-231	-2.2%
7.4%	10,502	10,218	-284	-2.7%
8.6%	10,468	9,951	-517	-4.9%
9.9%	10,393	9,943	-450	-4.3%
11.1%	10,333	9,756	-578	-5.6%
12.3%	10,120	9,637	-483	-4.8%
13.6%	10,117	9,635	-482	-4.8%
14.8%	10,091	9,625	-466	-4.6%
16.0%	10,074	9,490	-584	-5.8%
17.3%	10,043	9,449	-595	-5.9%
18.5%	10,033	9,447	-586	-5.8%
19.8%	9,984	9,395	-589	-5.9%
21.0%	9,980	9,347	-633	-6.3%
22.2%	9,872	9,322	-549	-5.6%
23.5%	9,838	9,194	-644	-6.6%
24.7%	9,819	9,050	-769	-7.8%
25.9%	9,750	9,049	-701	-7.2%
27.2%	9,709	8,984	-724	-7.5%
28.4%	9,705	8,958	-747	-7.7%
29.6%	9,677	8,949	-728	-7.6%
30.9%	9,660	8,774	-886	-9.2%
32.1%	9,643	8,742	-901	-9.3%
33.3%	9,584	8,738	-847	-8.8%
34.6%	9,519	8,602	-918	-9.6%
35.8%	9,502	8,551	-951	-10.0%
37.0%	9,466	8,526	-940	-9.9%
38.3%	9,478	8,520	-958	-10.2%
39.5%	9,250	8,356	-894	-9.7%
40.7%	9,107	8,319	-787	-8.6%
42.0%	9,103	8,304	-799	-8.8%
43.2%	9,064	8,281	-783	-8.6%
44.4%	9,050	8,260	-790	-8.7%
45.7%	9,012	8,137	-875	-9.7%
46.9%	8,998	8,090	-909	-10.1%
48.1%	8,829	8,066	-763	-8.6%
49.4%	8,796	8,038	-759	-8.6%
50.6%	8,760	7,960	-800	-9.1%
51.9%	8,737	7,986	-751	-8.6%
53.1%	8,723	7,956	-766	-8.8%
54.3%	8,694	7,938	-756	-8.7%
55.6%	8,652	7,820	-832	-9.6%
56.8%	8,643	7,819	-824	-9.5%
58.0%	8,629	7,721	-908	-10.5%
59.3%	8,403	7,689	-715	-8.5%
60.5%	8,331	7,544	-787	-9.4%
61.7%	8,317	7,497	-819	-9.9%
63.0%	8,154	7,391	-763	-9.4%
64.2%	7,931	7,239	-691	-8.7%
65.4%	7,903	7,154	-749	-9.5%
66.7%	7,353	7,115	-238	-3.2%
67.9%	7,300	7,113	-187	-2.6%
69.1%	7,182	7,022	-160	-2.2%
70.4%	6,976	6,863	-113	-1.6%
71.6%	6,877	6,815	-62	-0.9%
72.8%	6,625	6,282	-343	-5.2%
74.1%	6,522	6,043	-479	-7.3%
75.3%	6,464	6,041	-423	-6.5%
76.5%	6,324	5,959	-365	-5.8%
77.8%	5,913	5,789	-124	-2.1%
79.0%	5,684	5,824	140	2.5%
80.2%	5,678	5,750	72	1.3%
81.5%	5,475	5,721	246	4.5%
82.7%	5,373	5,672	300	5.6%
84.0%	5,233	5,484	251	4.8%
85.2%	5,054	5,287	233	4.6%
86.4%	4,476	5,088	612	13.7%
87.7%	4,233	4,516	283	6.7%
88.9%	2,256	2,942	687	30.4%
90.1%	2,068	2,830	762	37.0%
91.4%	1,974	2,063	89	4.5%
92.6%	1,915	1,951	36	1.9%
93.8%	1,867	1,716	-151	-8.1%
95.1%	1,732	1,702	-30	-1.7%
96.3%	1,670	1,621	-49	-2.9%
97.5%	1,462	1,561	99	6.8%
98.8%	1,387	1,419	32	2.3%
100.0%	750	983	233	31.0%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,406	9,346	-60	-0.6%
1.2%	9,298	9,234	-64	-0.7%
2.5%	9,167	9,170	3	0.0%
3.7%	9,156	8,831	-325	-3.6%
4.9%	9,092	8,740	-352	-3.9%
6.2%	8,946	8,731	-215	-2.4%
7.4%	8,925	8,711	-214	-2.4%
8.6%	8,882	8,701	-181	-2.0%
9.9%	8,770	8,666	-104	-1.2%
11.1%	8,765	8,627	-139	-1.6%
12.3%	8,747	8,621	-126	-1.4%
13.6%	8,718	8,614	-104	-1.2%
14.8%	8,705	8,498	-207	-2.4%
16.0%	8,695	8,443	-251	-2.9%
17.3%	8,684	8,051	-632	-7.3%
18.5%	8,632	8,050	-581	-6.7%
19.8%	8,559	8,041	-518	-6.1%
21.0%	8,503	7,843	-661	-7.8%
22.2%	8,502	7,637	-865	-10.2%
23.5%	8,465	7,721	-744	-8.8%
24.7%	8,480	7,582	-898	-10.6%
25.9%	8,412	7,560	-851	-10.1%
27.2%	8,408	7,462	-946	-11.2%
28.4%	8,295	7,421	-874	-10.5%
29.6%	8,047	7,365	-682	-8.5%
30.9%	7,926	7,356	-570	-7.2%
32.1%	7,816	7,177	-640	-8.2%
33.3%	7,771	7,097	-674	-8.7%
34.6%	7,620	6,961	-658	-8.6%
35.8%	7,361	6,905	-455	-6.2%
37.0%	7,248	6,770	-478	-6.6%
38.3%	7,177	6,590	-587	-8.2%
39.5%	6,334	6,543	208	3.3%
40.7%	6,320	6,320	1	0.0%
42.0%	6,191	6,197	7	0.1%
43.2%	6,187	6,187	0	0.0%
44.4%	6,140	5,828	-312	-5.1%
45.7%	5,828	5,793	-34	-0.6%
46.9%	5,363	5,784	421	7.8%
48.1%	5,291	5,781	490	9.3%
49.4%	5,113	5,723	610	11.9%
50.6%	5,082	5,450	367	7.2%
51.9%	4,965	5,275	309	6.2%
53.1%	4,941	5,141	200	4.0%
54.3%	4,891	5,107	217	4.4%
55.6%	4,814	5,027	213	4.4%
56.8%	4,724	4,957	233	4.9%
58.0%	4,582	4,956	375	8.2%
59.3%	4,549	4,904	355	7.8%
60.5%	4,411	4,711	300	6.8%
61.7%	4,392	4,570	178	4.1%
63.0%	4,234	4,534	300	7.1%
64.2%	3,830	4,498	668	17.5%
65.4%	3,803	4,029	226	5.9%
66.7%	3,776	3,925	149	3.9%
67.9%	3,708	3,645	-63	-1.7%
69.1%	3,652	3,628	-24	-0.7%
70.4%	3,507	3,579	72	2.0%
71.6%	3,447	3,521	75	2.2%
72.8%	3,309	3,489	179	5.4%
74.1%	3,300	3,404	104	3.2%
75.3%	3,300	3,150	-150	-4.5%
76.5%	3,300	2,947	-353	-10.7%
77.8%	3,959	2,722	-237	-6.0%
79.0%	2,818	2,684	-133	-4.7%
80.2%	2,767	2,613	-154	-5.6%
81.5%	2,625	2,604	-21	-0.8%
82.7%	2,484	2,459	-25	-1.0%
84.0%	2,026	2,448	422	20.8%
85.2%	2,003	2,346	343	17.1%
86.4%	1,971	1,828	-143	-7.3%
87.7%	1,905	1,826	-79	-4.1%
88.9%	1,901	1,548	-353	-18.6%
90.1%	1,			

Table SW-24-a  
Folsom Lake, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	456	426	454	472	493	592	718	838	804	653	579	505
DCR 2015 With Project	479	441	463	478	498	596	722	841	804	684	602	532
Difference	23	15	9	6	6	4	4	3	0	31	23	27
Percent Difference <sup>2</sup>	5.0%	3.5%	2.0%	1.2%	1.2%	0.6%	0.5%	0.4%	0.0%	4.7%	3.9%	5.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	561	482	501	525	515	631	787	959	956	863	758	620
DCR 2015 With Project	566	484	502	525	515	631	787	959	956	867	756	635
Difference	4	3	1	0	0	0	0	0	0	4	-2	15
Percent Difference	0.8%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.3%	2.4%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	483	444	479	507	532	642	787	955	923	718	643	532
DCR 2015 With Project	529	477	498	507	531	642	787	955	929	751	677	586
Difference	46	33	19	0	0	0	0	0	6	33	34	54
Percent Difference	9.6%	7.4%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	4.6%	5.3%	10.2%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	519	494	502	492	539	625	780	913	889	661	611	577
DCR 2015 With Project	547	502	506	495	542	628	779	910	871	707	637	599
Difference	28	8	4	3	3	3	-1	-3	-18	47	26	22
Percent Difference	5.4%	1.7%	0.8%	0.6%	0.6%	0.5%	-0.1%	-0.3%	-2.0%	7.1%	4.2%	3.8%
<b>Dry (22%)</b>												
DCR 2015 Without Project	380	395	423	440	483	590	693	765	686	517	450	426
DCR 2015 With Project	417	426	443	451	495	595	703	775	689	567	491	465
Difference	37	31	19	12	12	5	9	10	3	50	41	39
Percent Difference	9.6%	7.9%	4.6%	2.7%	2.5%	0.9%	1.3%	1.3%	0.4%	9.7%	9.2%	9.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	241	253	315	348	367	425	465	480	431	327	284	265
DCR 2015 With Project	253	260	321	367	385	440	479	489	442	366	316	278
Difference	12	7	6	19	18	15	14	9	11	39	32	13
Percent Difference	5.0%	2.8%	2.0%	5.4%	4.8%	3.4%	3.0%	1.9%	2.6%	11.8%	11.3%	4.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-24-b**  
**Folsom Lake, End of Month Storage**  
**Probability of Exceedance**

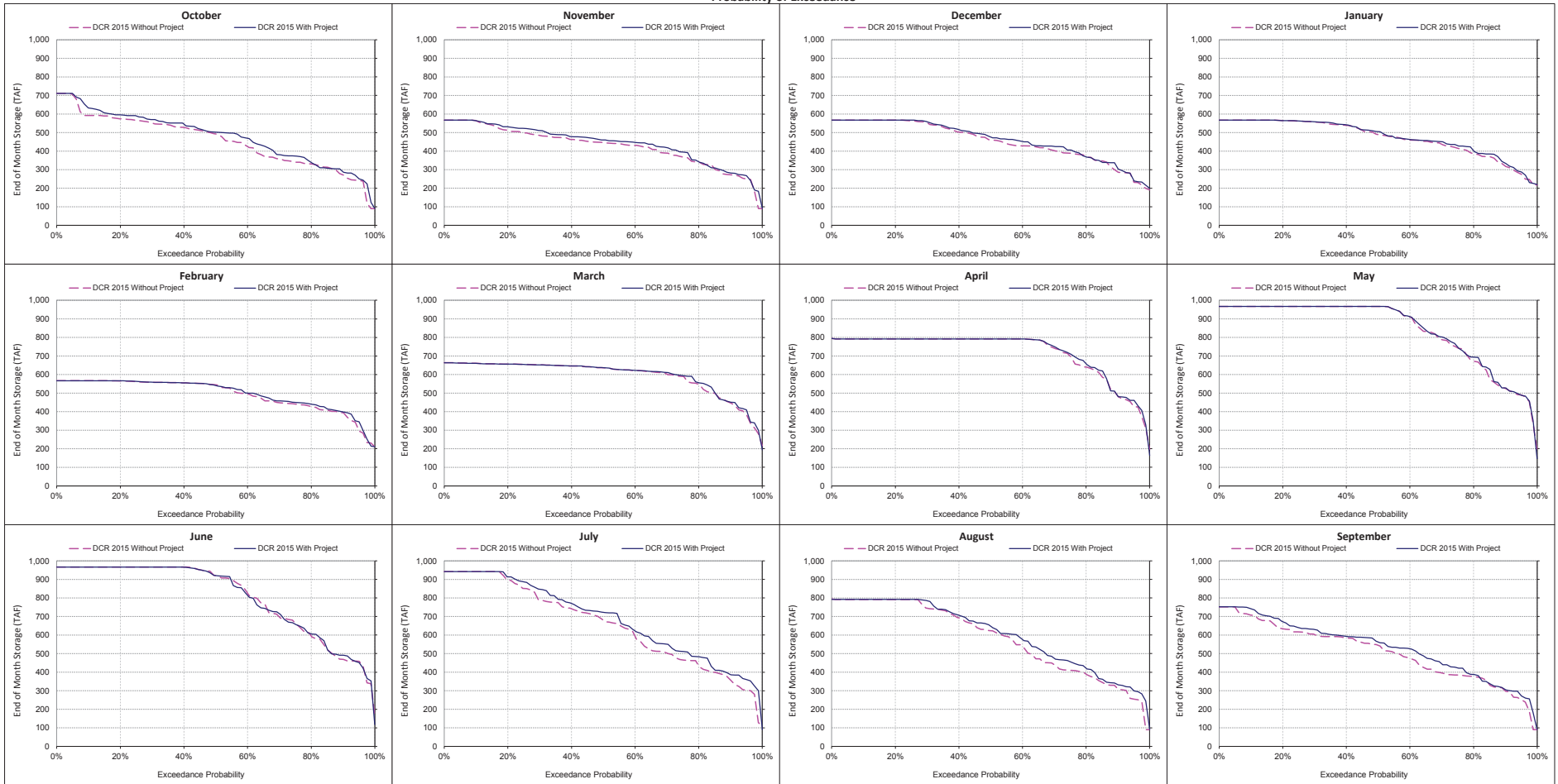


Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	712	712	0	0.0%
1.2%	712	712	0	0.0%
2.5%	712	712	0	0.0%
3.7%	712	712	0	0.0%
4.9%	707	712	5	0.7%
6.2%	680	691	11	1.7%
7.4%	612	683	71	11.7%
8.6%	592	654	62	10.5%
9.9%	592	633	41	7.0%
11.1%	592	630	38	6.4%
12.3%	592	625	33	5.7%
13.6%	592	620	28	4.7%
14.8%	590	608	18	3.0%
16.0%	590	603	14	2.3%
17.3%	580	600	20	3.5%
18.5%	578	596	18	3.2%
19.8%	574	596	21	3.7%
21.0%	574	594	20	3.4%
22.2%	571	592	21	3.7%
23.5%	570	592	22	3.9%
24.7%	567	592	25	4.4%
25.9%	565	584	19	3.4%
27.2%	561	583	22	3.9%
28.4%	559	573	15	2.7%
29.6%	553	570	17	3.1%
30.9%	547	570	23	4.2%
32.1%	546	561	16	2.9%
33.3%	545	560	15	2.8%
34.6%	543	552	9	1.7%
35.8%	540	552	12	2.3%
37.0%	542	552	20	3.8%
38.3%	529	551	23	4.3%
39.5%	529	551	22	4.2%
40.7%	526	536	10	2.0%
42.0%	518	534	16	3.0%
43.2%	517	533	17	3.1%
44.4%	513	522	9	1.7%
45.7%	510	516	7	1.3%
46.9%	503	509	5	1.0%
48.1%	500	504	4	0.8%
49.4%	494	503	9	1.9%
50.6%	491	501	10	2.0%
51.9%	478	500	22	4.5%
53.1%	456	499	43	9.5%
54.3%	454	497	43	9.5%
55.6%	453	497	44	9.6%
56.8%	447	491	44	9.8%
58.0%	446	476	30	6.6%
59.3%	432	472	40	9.2%
60.5%	419	468	49	11.6%
61.7%	418	448	31	7.3%
63.0%	390	438	48	12.3%
64.2%	381	433	51	13.4%
65.4%	370	426	56	15.1%
66.7%	368	415	47	12.7%
67.9%	367	405	38	10.2%
69.1%	360	381	21	5.9%
70.4%	358	380	23	6.4%
71.6%	349	376	26	7.6%
72.8%	348	374	26	7.6%
74.1%	344	374	29	8.5%
75.3%	340	372	32	9.5%
76.5%	340	371	31	9.1%
77.8%	334	366	32	9.7%
79.0%	332	350	18	5.3%
80.2%	330	336	6	1.7%
81.5%	327	324	-2	-0.7%
82.7%	321	311	-10	-3.0%
84.0%	314	311	-3	-1.1%
85.2%	313	307	-6	-1.8%
86.4%	306	307	0	0.1%
87.7%	300	304	5	1.5%
88.9%	279	304	25	8.8%
90.1%	271	286	15	5.6%
91.4%	254	282	28	11.0%
92.6%	245	282	37	15.0%
93.8%	244	271	27	11.1%
95.1%	241	250	9	3.9%
96.3%	239	244	5	2.2%
97.5%	223	223	0	0.0%
98.8%	90	123	33	36.7%
100.0%	90	90	0	0.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	565	565	0	0.0%
11.1%	555	560	5	0.9%
12.3%	551	555	4	0.7%
13.6%	546	548	2	0.4%
14.8%	542	547	5	1.0%
16.0%	535	546	11	2.1%
17.3%	522	541	19	3.7%
18.5%	515	532	17	3.2%
19.8%	513	532	19	3.7%
21.0%	507	528	22	4.3%
22.2%	506	526	20	4.1%
23.5%	506	523	18	3.5%
24.7%	498	523	25	5.0%
25.9%	498	522	24	4.8%
27.2%	492	519	27	5.4%
28.4%	489	515	26	5.4%
29.6%	486	512	26	5.4%
30.9%	482	510	28	5.8%
32.1%	480	502	22	4.5%
33.3%	479	502	23	4.8%
34.6%	474	491	17	3.6%
35.8%	473	489	16	3.3%
37.0%	473	488	16	3.3%
38.3%	472	487	15	3.2%
39.5%	463	479	15	3.3%
40.7%	463	478	15	3.3%
42.0%	458	477	18	4.0%
43.2%	458	475	17	3.7%
44.4%	454	474	20	4.4%
45.7%	451	472	21	4.6%
46.9%	449	468	19	4.3%
48.1%	448	464	16	3.6%
49.4%	447	461	13	3.0%
50.6%	444	461	17	3.7%
51.9%	443	456	13	2.9%
53.1%	441	455	14	3.2%
54.3%	441	455	14	3.2%
55.6%	439	452	13	2.9%
56.8%	434	451	17	3.8%
58.0%	432	450	19	4.3%
59.3%	431	449	18	4.1%
60.5%	431	446	15	3.4%
61.7%	427	445	18	4.2%
63.0%	421	444	23	5.4%
64.2%	421	442	17	3.9%
65.4%	409	437	28	6.9%
66.7%	408	426	18	4.4%
67.9%	392	423	31	7.8%
69.1%	390	422	32	8.2%
70.4%	389	418	29	7.3%
71.6%	378	408	30	7.8%
72.8%	378	406	28	7.4%
74.1%	371	396	25	6.7%
75.3%	367	394	27	7.2%
76.5%	364	391	27	7.4%
77.8%	345	353	8	2.3%
79.0%	342	352	9	2.7%
80.2%	340	340	1	0.2%
81.5%	327	335	7	2.0%
82.7%	327	323	-5	-1.4%
84.0%	327	310	-17	-5.1%
85.2%	300	309	8	2.7%
86.4%	294	302	8	2.7%
87.7%	277	296	19	6.7%
88.9%	274	286	12	4.3%
90.1%	272	281	9	3.3%
91.4%	271	280	9	3.2%
92.6%	266	274	8	3.0%
93.8%	254	272	18	7.1%
95.1%	250	268	18	7.2%
96.3%	242	242	-6	-2.2%
97.5%	184	194	10	5.7%
98.8%	90	183	93	102.7%
100.0%	90	90	0	0.2%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	565	567	2	0.4%
24.7%	563	567	4	0.6%
25.9%	563	567	4	0.7%
27.2%	559	565	6	1.0%
28.4%	558	565	6	1.2%
29.6%	558	559	2	0.3%
30.9%	543	554	10	1.9%
32.1%	541	546	5	1.0%
33.3%	540	543	3	0.6%
34.6%	533	540	7	1.3%
35.8%	524	533	9	1.8%
37.0%	520	524	4	0.8%
38.3%	512	523	11	2.1%
39.5%	504	519	15	3.0%
40.7%	501	512	11	2.2%
42.0%	509	518	8	1.6%
43.2%	498	506	9	1.9%
44.4%	491	498	7	1.4%
45.7%	480	496	16	3.4%
46.9%	476	493	18	3.7%
48.1%	475	491	16	3.4%
49.4%	462	480	19	4.1%
50.6%	459	472	13	2.8%
51.9%	458	472	14	3.1%
53.1%	453	466	13	2.9%
54.3%	445	466	21	4.7%
55.6%	437	463	26	6.0%
56.8%	433	463	30	6.9%
58.0%	429	459	29	6.8%
59.3%	429	454	26	6.0%
60.5%	428	450	22	5.1%
61.7%	428	450	21	5.0%
63.0%	428	433	5	1.2%
64.2%	423	429	6	1.4%
65.4%	419	429	10	2.4%
66.7%	418	428	10	2.4%
67.9%	413	428	15	3.7%
69.1%	406	427	21	5.2%
70.4%	401	425	24	6.0%
71.6%	398	424	26	6.4%
72.8%	391	422	32	8.2%
74.1%	390	406	17	4.3%
75.3%	388	406	18	4.6%
76.5%	384	397	12	3.2%
77.8%	382	390	8	2.1%
79.0%	380	374	-6	-1.6%
80.2%	367	367	0	0.0%
81.5%	367	364	-3	-0.7%
82.7%	351	353	2	0.5%
84.0%	348	350	2	0.6%
85.2%	347	339	-8	-2.2%
86.4%	341	339	-2	-0.6%
87.7%	316	338	21	6.7%
88.9%	300	337	37	12.2%
90.1%	286	317	30	10.5%
91.4%	284	294	10	3.5%
92.6%	283	284	1	0.5%
93.8%	282	280	-2	-0.6%
95.1%	232	239	7	3.0%
96.3%	230	235	5	2.1%
97.5%	217	234	17	7.9%
98.8%	198	216	17	8.8%
100.0%	191	191	8	4.0%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	566	566	0	0.0%
19.8%	565	565	0	0.0%
21.0%	564</			

Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	566	567	1	0.2%
18.5%	566	566	0	0.0%
19.8%	565	566	1	0.1%
21.0%	566	566	1	0.1%
22.2%	565	565	1	0.1%
23.5%	563	565	2	0.4%
24.7%	562	563	1	0.2%
25.9%	560	562	2	0.4%
27.2%	559	560	1	0.1%
28.4%	558	559	0	0.0%
29.6%	558	559	1	0.1%
30.9%	558	558	0	0.0%
32.1%	558	558	0	0.0%
33.3%	558	558	0	0.0%
34.6%	557	558	1	0.2%
35.8%	557	557	0	0.0%
37.0%	557	557	0	0.1%
38.3%	556	556	0	0.0%
39.5%	555	555	0	0.0%
40.7%	555	555	0	0.0%
42.0%	553	553	0	0.0%
43.2%	553	553	0	0.0%
44.4%	553	552	-1	-0.1%
45.7%	552	552	0	0.0%
46.9%	551	551	0	0.0%
48.1%	547	547	0	0.0%
49.4%	546	543	-3	-0.6%
50.6%	543	538	-5	-1.0%
51.9%	530	535	5	0.9%
53.1%	529	530	1	0.2%
54.3%	527	529	2	0.4%
55.6%	509	527	18	3.4%
56.8%	501	520	19	3.7%
58.0%	499	518	19	3.9%
59.3%	499	501	2	0.5%
60.5%	494	499	5	1.0%
61.7%	483	499	16	3.2%
63.0%	481	494	13	2.8%
64.2%	473	485	12	2.6%
65.4%	458	480	22	4.8%
66.7%	458	474	16	3.5%
67.9%	457	482	5	1.1%
69.1%	450	458	8	1.8%
70.4%	448	458	10	2.3%
71.6%	446	457	11	2.5%
72.8%	444	454	11	2.4%
74.1%	443	450	7	1.7%
75.3%	440	450	10	2.2%
76.5%	437	449	12	2.6%
77.8%	436	446	10	2.2%
79.0%	432	443	11	2.5%
80.2%	427	440	13	3.1%
81.5%	423	437	14	3.4%
82.7%	411	428	17	4.2%
84.0%	409	427	18	4.4%
85.2%	408	414	7	1.8%
86.4%	402	410	8	2.1%
87.7%	402	407	5	1.3%
88.9%	395	402	7	1.7%
90.1%	394	398	4	0.9%
91.4%	389	394	5	1.3%
92.6%	352	386	35	9.9%
93.8%	344	351	8	2.2%
95.1%	295	345	51	17.2%
96.3%	285	299	14	4.9%
97.5%	253	251	-2	-0.7%
98.8%	231	214	-18	-7.6%
100.0%	210	211	1	0.3%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	664	664	0	0.0%
1.2%	664	664	0	0.0%
2.5%	664	664	0	0.0%
3.7%	664	662	-2	-0.3%
4.9%	662	662	0	0.0%
6.2%	662	662	0	0.0%
7.4%	662	661	-1	-0.2%
8.6%	661	661	0	0.0%
9.9%	661	661	0	0.0%
11.1%	660	659	-1	-0.2%
12.3%	659	658	-1	-0.2%
13.6%	658	658	0	0.0%
14.8%	658	657	-1	-0.2%
16.0%	657	657	0	0.0%
17.3%	657	656	-1	-0.2%
18.5%	656	656	0	0.0%
19.8%	656	656	0	0.0%
21.0%	656	656	0	0.0%
22.2%	656	656	0	0.0%
23.5%	656	655	-1	-0.2%
24.7%	655	655	0	0.0%
25.9%	655	654	-1	-0.2%
27.2%	654	654	0	0.0%
28.4%	654	652	-2	-0.3%
29.6%	652	652	0	0.0%
30.9%	652	651	-1	-0.1%
32.1%	651	651	0	0.0%
33.3%	651	650	-1	-0.2%
34.6%	650	649	-1	-0.2%
35.8%	649	649	0	0.0%
37.0%	648	648	0	0.0%
38.3%	647	647	0	0.0%
39.5%	646	647	1	0.1%
40.7%	646	646	0	0.0%
42.0%	646	646	0	0.0%
43.2%	646	646	0	0.0%
44.4%	642	642	0	0.0%
45.7%	642	642	0	0.0%
46.9%	640	640	0	0.0%
48.1%	637	637	0	0.0%
49.4%	637	637	0	0.0%
50.6%	636	636	0	0.0%
51.9%	635	635	0	0.0%
53.1%	629	629	0	0.0%
54.3%	628	628	0	0.0%
55.6%	626	626	0	0.0%
56.8%	625	625	0	0.0%
58.0%	624	624	0	0.0%
59.3%	622	624	2	0.3%
60.5%	621	622	1	0.2%
61.7%	621	621	0	0.0%
63.0%	618	621	3	0.5%
64.2%	616	618	2	0.3%
65.4%	615	617	2	0.3%
66.7%	612	616	4	0.7%
67.9%	611	615	4	0.7%
69.1%	610	612	2	0.4%
70.4%	599	611	12	2.0%
71.6%	599	604	5	0.9%
72.8%	593	599	6	1.0%
74.1%	591	596	5	0.9%
75.3%	590	593	3	0.5%
76.5%	591	591	0	0.0%
77.8%	555	590	35	6.3%
79.0%	554	560	6	1.2%
80.2%	546	555	9	1.6%
81.5%	520	552	32	6.1%
82.7%	507	544	37	7.4%
84.0%	504	532	29	5.7%
85.2%	498	500	2	0.3%
86.4%	474	468	-6	-1.2%
87.7%	468	464	-4	-0.9%
88.9%	455	456	1	0.2%
90.1%	446	451	5	1.1%
91.4%	434	449	15	3.5%
92.6%	410	421	11	2.8%
93.8%	404	417	12	3.1%
95.1%	383	409	27	6.9%
96.3%	336	344	7	2.2%
97.5%	312	340	28	8.9%
98.8%	281	300	19	6.8%
100.0%	217	194	-23	-10.4%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	794	794	0	0.0%
1.2%	792	792	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	792	0	0.0%
4.9%	792	792	0	0.0%
6.2%	792	792	0	0.0%
7.4%	792	792	0	0.0%
8.6%	792	792	0	0.0%
9.9%	792	792	0	0.0%
11.1%	792	792	0	0.0%
12.3%	792	792	0	0.0%
13.6%	792	792	0	0.0%
14.8%	792	792	0	0.0%
16.0%	792	792	0	0.0%
17.3%	792	792	0	0.0%
18.5%	792	792	0	0.0%
19.8%	792	792	0	0.0%
21.0%	792	792	0	0.0%
22.2%	792	792	0	0.0%
23.5%	792	792	0	0.0%
24.7%	792	792	0	0.0%
25.9%	792	792	0	0.0%
27.2%	792	792	0	0.0%
28.4%	792	792	0	0.0%
29.6%	792	792	0	0.0%
30.9%	792	792	0	0.0%
32.1%	792	792	0	0.0%
33.3%	792	792	0	0.0%
34.6%	792	792	0	0.0%
35.8%	792	792	0	0.0%
37.0%	792	792	0	0.0%
38.3%	792	792	0	0.0%
39.5%	792	792	0	0.0%
40.7%	792	792	0	0.0%
42.0%	792	792	0	0.0%
43.2%	792	792	0	0.0%
44.4%	792	792	0	0.0%
45.7%	792	792	0	0.0%
46.9%	792	792	0	0.0%
48.1%	792	792	0	0.0%
49.4%	792	792	0	0.0%
50.6%	792	792	0	0.0%
51.9%	792	792	0	0.0%
53.1%	792	792	0	0.0%
54.3%	792	792	0	0.0%
55.6%	792	792	0	0.0%
56.8%	792	792	0	0.0%
58.0%	792	792	0	0.0%
59.3%	792	792	0	0.0%
60.5%	792	792	0	0.0%
61.7%	790	790	0	0.0%
63.0%	789	789	0	0.0%
64.2%	787	787	0	0.0%
65.4%	786	786	0	0.0%
66.7%	778	778	0	0.0%
67.9%	758	766	8	1.1%
69.1%	748	758	10	1.3%
70.4%	739	748	9	1.2%
71.6%	734	735	0	0.0%
72.8%	718	728	9	1.3%
74.1%	715	716	1	0.1%
75.3%	694	709	15	2.2%
76.5%	656	694	38	5.7%
77.8%	652	682	31	4.7%
79.0%	642	676	35	5.4%
80.2%	640	653	13	2.1%
81.5%	633	639	6	0.9%
82.7%	623	638	15	2.3%
84.0%	611	623	12	2.0%
85.2%	585	620	35	5.9%
86.4%	575	578	3	0.5%
87.7%	523	512	-11	-2.0%
88.9%	509	510	1	0.3%
90.1%	480	461	-19	-3.9%
91.4%	460	490	30	6.5%
92.6%	465	476	12	2.5%
93.8%	455	461	6	1.3%
95.1%	427	460	33	7.8%
96.3%	426	430	5	1.1%
97.5%	407	434	27	6.6%
98.8%	309	329	20	6.5%
100.0%	197	164	-32	-16.5%

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	967	967	0	0.0%
8.6%	967	967	0	0.0%
9.9%	967	967	0	0.0%
11.1%	967	967	0	0.0%
12.3%	967	967	0	0.0%
13.6%	967	967	0	0.0%
14.8%	967	967	0	0.0%
16.0%	967	967	0	0.0%
17.3%	967	967	0	0.0%
18.5%	967	967	0	0.0%
19.8%	967	967	0	0.0%
21.0%	967	967	0	0.0%
22.2%	967	967	0	0.0%
23.5%	967	967	0	0

Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	967	967	0	0.0%
8.6%	967	967	0	0.0%
9.9%	967	967	0	0.0%
11.1%	967	967	0	0.0%
12.3%	967	967	0	0.0%
13.6%	967	967	0	0.0%
14.8%	967	967	0	0.0%
16.0%	967	967	0	0.0%
17.3%	967	967	0	0.0%
18.5%	967	967	0	0.0%
19.8%	967	967	0	0.0%
21.0%	967	967	0	0.0%
22.2%	967	967	0	0.0%
23.5%	967	967	0	0.0%
24.7%	967	967	0	0.0%
25.9%	967	967	0	0.0%
27.2%	967	967	0	0.0%
28.4%	967	967	0	0.0%
29.6%	967	967	0	0.0%
30.9%	967	967	0	0.0%
32.1%	967	967	0	0.0%
33.3%	967	967	0	0.0%
34.6%	967	967	0	0.0%
35.8%	967	967	0	0.0%
37.0%	967	967	0	0.0%
38.3%	967	967	0	0.0%
39.5%	967	967	0	0.0%
40.7%	967	965	-2	-0.2%
42.0%	965	962	-4	-0.4%
43.2%	962	959	-3	-0.3%
44.4%	954	954	0	0.0%
45.7%	950	950	0	0.0%
46.9%	946	945	-1	-0.1%
48.1%	944	937	-7	-0.8%
49.4%	923	923	0	0.0%
50.6%	917	919	2	0.2%
51.9%	908	917	9	1.0%
53.1%	908	917	9	1.0%
54.3%	905	916	11	1.2%
55.6%	893	867	-26	-2.9%
56.8%	879	857	-22	-2.5%
58.0%	868	855	-13	-1.5%
59.3%	845	828	-16	-1.9%
60.5%	812	804	-8	-1.0%
61.7%	804	798	-6	-0.8%
63.0%	798	763	-35	-4.4%
64.2%	773	748	-26	-3.4%
65.4%	767	744	-23	-3.0%
66.7%	732	733	12	1.7%
67.9%	717	727	9	1.3%
69.1%	713	725	12	1.7%
70.4%	691	711	20	2.9%
71.6%	690	685	-5	-0.8%
72.8%	684	669	-15	-2.1%
74.1%	681	667	-14	-2.0%
75.3%	659	655	-4	-0.6%
76.5%	640	647	7	1.1%
77.8%	619	637	19	3.0%
79.0%	619	611	-7	-1.2%
80.2%	590	606	16	2.7%
81.5%	580	605	24	4.2%
82.7%	578	586	8	1.4%
84.0%	549	571	21	3.9%
85.2%	519	520	1	0.2%
86.4%	502	498	-4	-0.9%
87.7%	487	498	11	2.3%
88.9%	470	492	21	4.6%
90.1%	469	461	-8	-1.7%
91.4%	461	488	27	5.9%
92.6%	461	469	9	1.9%
93.8%	460	459	-1	-0.3%
95.1%	458	452	-7	-1.5%
96.3%	433	422	-11	-2.5%
97.5%	385	386	1	0.3%
98.8%	338	353	15	4.5%
100.0%	163	118	-45	-27.7%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	942	942	0	0.0%
1.2%	942	942	0	0.0%
2.5%	942	942	0	0.0%
3.7%	942	942	0	0.0%
4.9%	942	942	0	0.0%
6.2%	942	942	0	0.0%
7.4%	942	942	0	0.0%
8.6%	942	942	0	0.0%
9.9%	942	942	0	0.0%
11.1%	942	942	0	0.0%
12.3%	942	942	0	0.0%
13.6%	942	942	0	0.0%
14.8%	942	942	0	0.0%
16.0%	942	942	0	0.0%
17.3%	942	942	0	0.0%
18.5%	922	940	18	2.0%
19.8%	897	913	16	1.8%
21.0%	898	913	19	2.1%
22.2%	878	902	24	2.7%
23.5%	870	893	22	2.6%
24.7%	852	888	36	4.2%
25.9%	850	884	34	4.0%
27.2%	843	868	25	2.9%
28.4%	831	859	28	3.3%
29.6%	790	848	59	7.4%
30.9%	787	845	58	7.4%
32.1%	781	840	59	7.6%
33.3%	778	813	36	4.6%
34.6%	776	812	36	4.6%
35.8%	767	793	18	2.3%
37.0%	753	791	38	5.1%
38.3%	746	778	32	4.3%
39.5%	745	774	29	3.9%
40.7%	736	766	29	4.0%
42.0%	730	753	23	3.2%
43.2%	723	742	19	2.7%
44.4%	720	734	15	2.0%
45.7%	715	733	18	2.5%
46.9%	708	730	22	3.1%
48.1%	702	728	26	3.6%
49.4%	698	724	26	3.7%
50.6%	671	722	50	7.5%
51.9%	670	720	50	7.4%
53.1%	665	720	54	8.2%
54.3%	663	717	54	8.2%
55.6%	648	663	14	2.2%
56.8%	637	654	17	2.7%
58.0%	632	648	17	2.7%
59.3%	619	631	12	2.0%
60.5%	576	617	41	7.0%
61.7%	565	610	45	8.0%
63.0%	540	595	55	10.3%
64.2%	527	592	65	12.4%
65.4%	516	569	54	10.4%
66.7%	513	555	43	8.3%
67.9%	512	554	42	8.1%
69.1%	509	552	44	8.6%
70.4%	500	550	50	9.9%
71.6%	495	528	33	6.7%
72.8%	477	515	38	8.0%
74.1%	468	513	45	9.6%
75.3%	465	512	47	10.1%
76.5%	453	508	45	9.7%
77.8%	462	485	23	4.9%
79.0%	462	484	22	4.7%
80.2%	429	483	54	12.6%
81.5%	415	479	64	15.3%
82.7%	409	475	66	16.2%
84.0%	401	431	30	7.5%
85.2%	399	410	11	2.8%
86.4%	393	410	17	4.3%
87.7%	387	405	18	4.8%
88.9%	377	397	20	5.4%
90.1%	355	386	31	8.7%
91.4%	333	385	52	15.6%
92.6%	324	384	60	18.6%
93.8%	306	366	59	19.3%
95.1%	302	360	58	19.2%
96.3%	300	353	53	17.7%
97.5%	281	326	45	16.1%
98.8%	127	300	173	136.4%
100.0%	114	90	-24	-21.0%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	795	792	-3	-0.3%
1.2%	792	792	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	792	0	0.0%
4.9%	792	792	0	0.0%
6.2%	792	792	0	0.0%
7.4%	792	792	0	0.0%
8.6%	792	792	0	0.0%
9.9%	792	792	0	0.0%
11.1%	792	792	0	0.0%
12.3%	792	792	0	0.0%
13.6%	792	792	0	0.0%
14.8%	792	792	0	0.0%
16.0%	792	792	0	0.0%
17.3%	792	792	0	0.0%
18.5%	792	792	0	0.0%
19.8%	792	792	0	0.0%
21.0%	792	792	0	0.0%
22.2%	792	792	0	0.0%
23.5%	792	792	0	0.0%
24.7%	792	792	0	0.0%
25.9%	792	792	0	0.0%
27.2%	791	792	1	0.1%
28.4%	786	790	4	0.5%
29.6%	746	787	41	5.5%
30.9%	742	782	40	5.4%
32.1%	740	757	17	2.3%
33.3%	739	740	1	0.1%
34.6%	735	739	5	0.6%
35.8%	731	736	5	0.7%
37.0%	717	725	8	1.1%
38.3%	708	716	8	1.2%
39.5%	695	710	15	2.2%
40.7%	689	703	13	1.9%
42.0%	673	695	22	3.3%
43.2%	671	677	11	1.7%
44.4%	662	675	13	2.0%
45.7%	640	666	26	4.0%
46.9%	631	665	34	5.4%
48.1%	630	663	33	5.2%
49.4%	625	655	30	4.9%
50.6%	623	639	17	2.7%
51.9%	611	630	19	3.1%
53.1%	603	609	6	0.9%
54.3%	595	608	13	2.2%
55.6%	591	607	16	2.6%
56.8%	574	605	30	5.3%
58.0%	548	593	45	8.2%
59.3%	548	586	38	6.9%
60.5%	530	570	40	7.6%
61.7%	503	566	64	12.7%
63.0%	497	539	42	8.5%
64.2%	472	536	63	13.4%
65.4%	472	523	51	10.9%
66.7%	452	509	58	12.8%
67.9%	451	490	39	8.6%
69.1%	450	486	36	8.0%
70.4%	436	470	34	7.7%
71.6%	417	468	51	12.2%
72.8%	412	465	53	12.9%
74.1%	411	463	51	12.5%
75.3%	409	465	45	11.1%
76.5%	408	446	38	9.3%
77.8%	404	439	35	8.5%
79.0%	402	435	34	8.4%
80.2%	386	417	31	7.9%
81.5%	376	414	38	10.0%
82.7%	370	399	29	7.8%
84.0%	355	366	10	2.9%
85.2%	344	361	18	5.2%
86.4%	332	347	14	4.2%
87.7%	329	343	14	4.2%
88.9%	329	342	12	3.8%
90.1%	308	332	24	7.9%
91.4%	294	328	29	9.9%
92.6%	302	322	20	6.6%
93.8%	259	320	62	23.9%
95.1%	254	299	45	17.6%
96.3%	252	294	43	17.0%
97.5%	245	284	42	17.2%
98.8%	90	244	154	171.3%
100.0%	90	90	0	0.0%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Storage (TAF)	DCR 2015 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	752	752	0	0.0%
1.2%	752	752	0	0.0%
2.5%	752	752	0	0.0%
3.7%	752	752	0	0.0%
4.9%	752	752	0	0.0%
6.2%	722	751	29	4.0%
7.4%	716	751	34	4.8%
8.6%	715	750	35	4.9%
9.9%	708	743	35	5.0%
11.1%	706	735	29	4.2%
12.3%	687	716	30	4.3%
13.6%	679	708	30	4.4%
14.8%	679	703	25	3.7%
16.0%	676	702	25	3.7%
17.3%	658	692	34	5.1%
18.5%	639	690	51	7.9%
19.8%	635	673	39	6.1%

Table SW-25-a  
Folsom Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	407	404	408	411	414	426	440	451	448	431	422	414
DCR 2015 With Project	411	406	410	412	414	427	440	452	448	435	426	418
Difference	3	2	1	1	1	0	0	0	0	4	3	4
Percent Difference <sup>2</sup>	0.8%	0.6%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.9%	0.8%	0.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	422	413	415	418	417	431	448	464	464	455	445	429
DCR 2015 With Project	423	413	415	418	417	431	448	464	464	455	444	431
Difference	1	0	0	0	0	0	0	0	0	0	0	2
Percent Difference	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.4%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	413	408	412	416	419	433	448	464	461	440	432	419
DCR 2015 With Project	419	412	415	416	419	433	448	464	461	444	436	426
Difference	6	4	2	0	0	0	0	0	1	4	4	7
Percent Difference	1.4%	1.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.8%	0.9%	1.6%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	417	414	415	414	420	430	447	460	457	434	428	424
DCR 2015 With Project	421	415	415	414	420	431	447	459	456	439	431	427
Difference	4	1	1	0	0	0	0	0	-2	5	3	3
Percent Difference	0.9%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	-0.1%	-0.4%	1.1%	0.7%	0.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	399	401	405	407	413	426	437	445	436	416	408	405
DCR 2015 With Project	404	405	407	408	414	427	438	446	437	423	413	410
Difference	5	4	3	2	1	1	1	0	6	6	5	5
Percent Difference	1.3%	1.0%	0.6%	0.4%	0.4%	0.2%	0.2%	0.2%	0.1%	1.5%	1.4%	1.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	372	375	388	393	396	404	409	411	405	388	380	377
DCR 2015 With Project	376	378	389	396	398	406	411	412	406	395	387	381
Difference	4	3	1	3	3	2	1	1	1	7	7	4
Percent Difference	1.0%	0.7%	0.3%	0.7%	0.7%	0.4%	0.3%	0.1%	0.2%	1.7%	1.9%	1.0%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-25-b**  
**Folsom Lake, End of Month Elevation**  
**Probability of Exceedance**

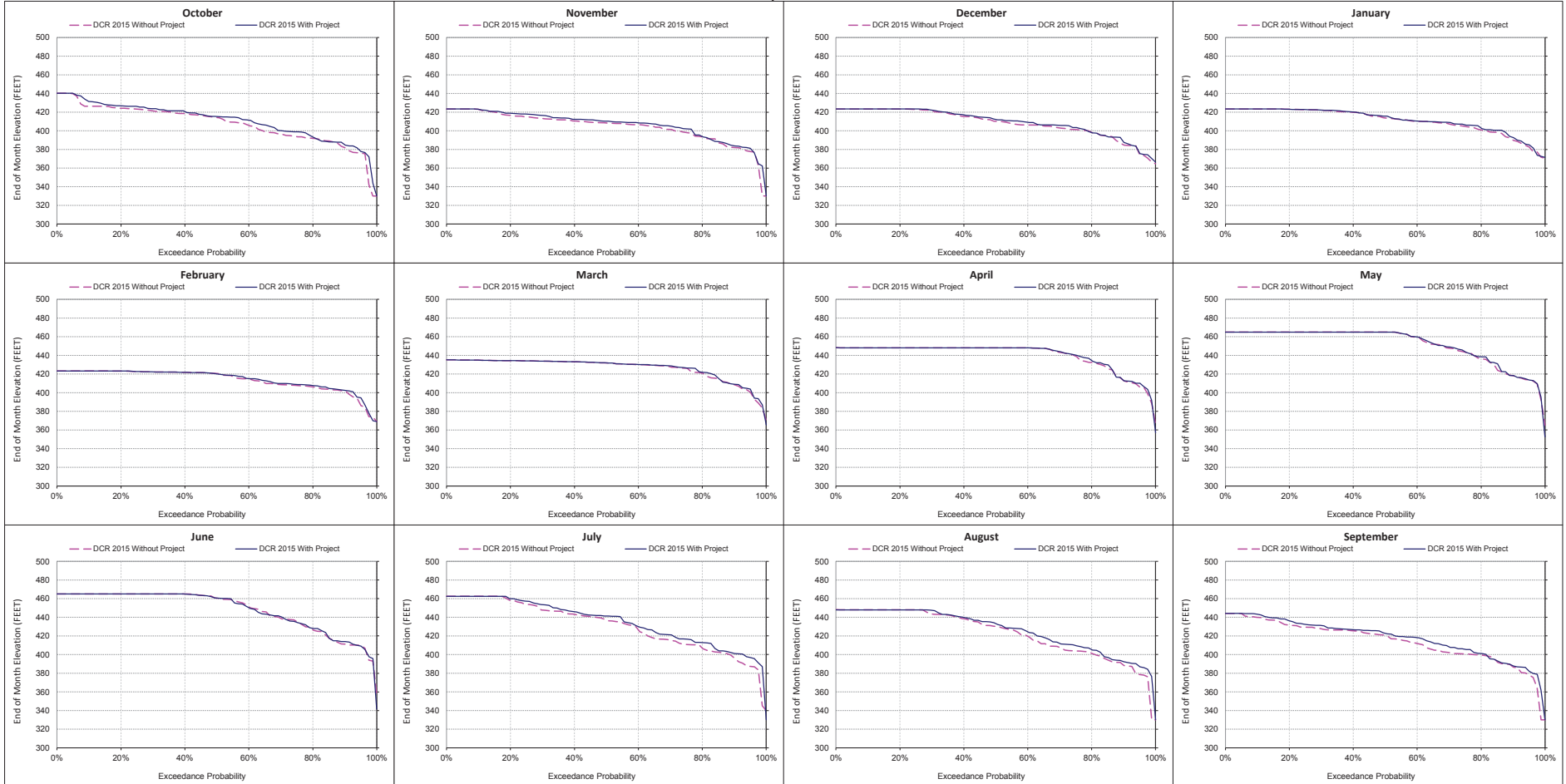




Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	440	440	0	0.0%
1.2%	440	440	0	0.0%
2.5%	440	440	0	0.0%
3.7%	440	440	0	0.0%
4.9%	440	440	1	0.1%
6.2%	437	438	1	0.3%
7.4%	429	438	9	2.0%
8.6%	426	434	8	1.8%
9.9%	426	432	5	1.2%
11.1%	426	431	5	1.1%
12.3%	426	431	4	1.0%
13.6%	426	430	3	0.8%
14.8%	426	428	2	0.5%
16.0%	426	428	2	0.4%
17.3%	425	427	3	0.6%
18.5%	425	427	2	0.5%
19.8%	424	427	3	0.6%
21.0%	424	427	3	0.6%
22.2%	424	426	3	0.6%
23.5%	424	426	3	0.6%
24.7%	423	426	3	0.7%
25.9%	423	425	2	0.6%
27.2%	423	425	3	0.6%
28.4%	422	424	2	0.4%
29.6%	422	424	2	0.5%
30.9%	421	424	3	0.7%
32.1%	421	423	2	0.5%
33.3%	421	422	2	0.5%
34.6%	420	422	1	0.3%
35.8%	420	421	2	0.4%
37.0%	419	421	2	0.6%
38.3%	419	421	3	0.7%
39.5%	419	421	3	0.7%
40.7%	418	419	1	0.3%
42.0%	417	419	2	0.5%
43.2%	417	419	2	0.4%
44.4%	417	418	1	0.3%
45.7%	416	417	1	0.2%
46.9%	415	416	1	0.1%
48.1%	415	416	1	0.1%
49.4%	414	415	1	0.3%
50.6%	414	415	1	0.3%
51.9%	412	415	3	0.6%
53.1%	410	415	5	1.3%
54.3%	409	415	5	1.3%
55.6%	409	415	5	1.3%
56.8%	409	414	5	1.3%
58.0%	408	412	4	0.9%
59.3%	407	412	5	1.2%
60.5%	405	411	6	1.5%
61.7%	405	409	4	0.9%
63.0%	402	407	6	1.5%
64.2%	400	407	7	1.6%
65.4%	398	406	8	1.9%
66.7%	398	405	6	1.6%
67.9%	398	403	5	1.4%
69.1%	397	400	3	0.9%
70.4%	396	400	4	0.9%
71.6%	395	399	4	1.1%
72.8%	395	399	4	1.1%
74.1%	394	399	5	1.2%
75.3%	394	399	5	1.3%
76.5%	393	399	5	1.3%
77.8%	392	398	5	1.3%
79.0%	392	395	3	0.7%
80.2%	392	393	1	0.2%
81.5%	391	391	0	-0.1%
82.7%	390	389	-2	-0.4%
84.0%	389	389	-1	-0.1%
85.2%	388	388	-1	-0.2%
86.4%	388	388	0	0.0%
87.7%	387	388	1	0.2%
88.9%	383	388	4	1.1%
90.1%	382	385	3	0.8%
91.4%	379	384	5	1.4%
92.6%	377	384	5	1.9%
93.8%	376	382	5	1.4%
95.1%	375	378	2	0.5%
96.3%	375	377	1	0.3%
97.5%	372	372	30	8.0%
98.8%	330	343	13	4.1%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	422	422	1	0.1%
12.3%	421	422	0	0.1%
13.6%	421	421	0	0.1%
14.8%	420	421	1	0.2%
16.0%	419	421	1	0.3%
17.3%	418	420	2	0.6%
18.5%	417	419	2	0.5%
19.8%	417	419	2	0.6%
21.0%	416	419	3	0.6%
22.2%	416	419	3	0.6%
23.5%	416	418	2	0.5%
24.7%	415	418	3	0.7%
25.9%	415	418	3	0.7%
27.2%	414	417	3	0.8%
28.4%	414	417	3	0.8%
29.6%	413	417	3	0.8%
30.9%	413	416	3	0.8%
32.1%	413	415	3	0.7%
33.3%	412	414	2	0.4%
34.6%	412	414	2	0.5%
35.8%	412	414	2	0.5%
37.0%	412	414	2	0.5%
38.3%	412	413	2	0.5%
39.5%	411	412	2	0.5%
40.7%	410	412	2	0.5%
42.0%	410	412	2	0.5%
43.2%	410	412	2	0.5%
44.4%	409	412	2	0.6%
45.7%	409	412	3	0.6%
46.9%	409	411	2	0.6%
48.1%	409	411	2	0.5%
49.4%	409	410	2	0.4%
50.6%	408	410	2	0.5%
51.9%	408	410	2	0.4%
53.1%	408	410	2	0.4%
54.3%	408	410	2	0.4%
55.6%	408	409	2	0.4%
56.8%	407	409	2	0.5%
58.0%	407	409	2	0.6%
59.3%	407	409	2	0.5%
60.5%	407	408	2	0.4%
61.7%	406	408	2	0.5%
63.0%	405	408	3	0.7%
64.2%	405	407	2	0.5%
65.4%	404	407	3	0.9%
66.7%	404	406	2	0.5%
67.9%	402	406	4	0.9%
69.1%	401	405	4	1.0%
70.4%	401	405	4	0.9%
71.6%	400	404	4	1.0%
72.8%	400	403	4	0.9%
74.1%	399	402	4	0.9%
75.3%	398	402	4	1.0%
76.5%	397	402	4	1.1%
77.8%	394	396	1	0.3%
79.0%	394	395	1	0.4%
80.2%	393	394	0	0.0%
81.5%	392	393	1	0.3%
82.7%	391	391	-1	-0.2%
84.0%	391	389	-3	-0.7%
85.2%	387	388	1	0.3%
86.4%	386	387	1	0.3%
87.7%	383	386	3	0.9%
88.9%	382	385	2	0.6%
90.1%	382	384	2	0.5%
91.4%	382	383	2	0.4%
92.6%	381	382	2	0.4%
93.8%	379	382	3	0.9%
95.1%	378	381	3	0.9%
96.3%	377	376	-1	-0.3%
97.5%	372	365	-7	-1.9%
98.8%	330	362	32	9.8%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.1%
24.7%	423	423	0	0.1%
25.9%	423	423	0	0.1%
27.2%	422	423	1	0.2%
28.4%	422	423	1	0.2%
29.6%	422	422	0	0.1%
30.9%	420	422	1	0.3%
32.1%	420	421	1	0.2%
33.3%	420	420	1	0.4%
34.6%	419	420	1	0.2%
35.8%	419	420	1	0.3%
37.0%	418	418	1	0.1%
38.3%	417	418	1	0.3%
39.5%	416	417	2	0.4%
40.7%	415	417	1	0.3%
42.0%	415	416	1	0.2%
43.2%	416	416	1	0.3%
44.4%	414	415	1	0.2%
45.7%	413	415	2	0.5%
46.9%	412	414	2	0.5%
48.1%	412	414	2	0.5%
49.4%	410	413	2	0.6%
50.6%	410	412	2	0.4%
51.9%	410	412	2	0.4%
53.1%	409	411	2	0.4%
54.3%	408	411	3	0.6%
55.6%	407	411	3	0.8%
56.8%	407	411	4	0.9%
58.0%	406	410	4	0.9%
59.3%	406	409	3	0.8%
60.5%	406	409	3	0.7%
61.7%	406	409	3	0.7%
63.0%	406	407	1	0.2%
64.2%	406	406	1	0.2%
65.4%	405	406	1	0.3%
66.7%	405	406	1	0.3%
67.9%	404	406	4	0.9%
69.1%	403	406	3	0.6%
70.4%	403	406	3	0.7%
71.6%	402	406	3	0.8%
72.8%	402	405	4	1.0%
74.1%	401	403	2	0.5%
75.3%	401	402	2	0.5%
76.5%	401	402	2	0.4%
77.8%	400	401	1	0.3%
79.0%	400	399	-1	-0.2%
80.2%	398	398	0	0.0%
81.5%	398	397	-1	-0.1%
82.7%	395	396	0	0.1%
84.0%	395	395	0	0.1%
85.2%	393	393	-1	-0.3%
86.4%	394	393	-1	-0.1%
87.7%	390	393	3	0.9%
88.9%	387	393	6	1.5%
90.1%	385	388	3	0.8%
91.4%	386	386	2	0.4%
92.6%	384	384	0	0.1%
93.8%	384	384	0	-0.1%
95.1%	374	376	2	0.4%
96.3%	374	375	1	0.3%
97.5%	374	374	4	1.0%
98.8%	366	370	4	1.1%
100.0%	365	366	2	0.5%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	

Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.1%
24.7%	423	423	0	0.0%
25.9%	422	423	0	0.1%
27.2%	422	422	0	0.0%
28.4%	422	422	0	0.0%
29.6%	422	422	0	0.0%
30.9%	422	422	0	0.0%
32.1%	422	422	0	0.0%
33.3%	422	422	0	0.0%
34.6%	422	422	0	0.0%
35.8%	422	422	0	0.0%
37.0%	422	422	0	0.0%
38.3%	422	422	0	0.0%
39.5%	422	422	0	0.0%
40.7%	422	422	0	0.0%
42.0%	422	422	0	0.0%
43.2%	422	422	0	0.0%
44.4%	422	421	0	0.0%
45.7%	421	421	0	0.0%
46.9%	421	421	0	0.0%
48.1%	421	421	0	0.0%
49.4%	421	420	-1	-0.2%
50.6%	420	420	-1	-0.2%
51.9%	419	419	0	0.0%
53.1%	419	419	0	0.0%
54.3%	418	419	0	0.1%
55.6%	416	418	2	0.5%
56.8%	415	417	2	0.5%
58.0%	415	417	2	0.6%
59.3%	415	415	0	0.1%
60.5%	414	415	1	0.1%
61.7%	413	415	2	0.5%
63.0%	413	414	2	0.4%
64.2%	412	413	2	0.4%
65.4%	410	413	3	0.7%
66.7%	410	412	2	0.5%
67.9%	410	410	1	0.1%
69.1%	409	410	1	0.2%
70.4%	409	410	1	0.3%
71.6%	408	410	1	0.3%
72.8%	408	409	1	0.3%
74.1%	408	409	1	0.2%
75.3%	408	409	1	0.3%
76.5%	407	409	1	0.3%
77.8%	407	408	1	0.3%
79.0%	407	408	1	0.3%
80.2%	406	408	2	0.4%
81.5%	406	407	2	0.4%
82.7%	404	406	2	0.5%
84.0%	404	406	2	0.5%
85.2%	404	404	0	0.2%
86.4%	403	404	1	0.3%
87.7%	403	404	1	0.2%
88.9%	402	403	1	0.2%
90.1%	402	402	0	0.0%
91.4%	398	402	4	0.3%
92.6%	395	401	6	1.4%
93.8%	394	395	1	0.3%
95.1%	386	394	8	2.1%
96.3%	374	387	2	0.6%
97.5%	374	378	4	1.0%
98.8%	374	370	-4	-1.1%
100.0%	369	369	0	0.0%

March				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	435	435	0	0.0%
1.2%	435	435	0	0.0%
2.5%	435	435	0	0.0%
3.7%	435	435	0	-0.1%
4.9%	435	435	0	0.0%
6.2%	435	435	0	0.0%
7.4%	435	435	0	0.0%
8.6%	435	435	0	0.0%
9.9%	435	435	0	0.0%
11.1%	435	435	0	0.0%
12.3%	435	435	0	0.0%
13.6%	435	435	0	0.0%
14.8%	435	434	0	0.0%
16.0%	434	434	0	0.0%
17.3%	434	434	0	0.0%
18.5%	434	434	0	0.0%
19.8%	434	434	0	0.0%
21.0%	434	434	0	0.0%
22.2%	434	434	0	0.0%
23.5%	434	434	0	0.0%
24.7%	434	434	0	0.0%
25.9%	434	434	0	0.0%
27.2%	434	434	0	0.0%
28.4%	434	434	0	-0.1%
29.6%	434	434	0	0.0%
30.9%	434	434	0	0.0%
32.1%	434	434	0	0.0%
33.3%	434	434	0	0.0%
34.6%	434	433	0	0.0%
35.8%	433	433	0	0.0%
37.0%	433	433	0	0.0%
38.3%	433	433	0	0.0%
39.5%	433	433	0	0.0%
40.7%	433	433	0	0.0%
42.0%	433	433	0	0.0%
43.2%	433	433	0	0.0%
44.4%	433	433	0	0.0%
45.7%	433	433	0	0.0%
46.9%	432	432	0	0.0%
48.1%	432	432	0	0.0%
49.4%	432	432	0	0.0%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.0%
53.1%	431	431	0	0.0%
54.3%	431	431	0	0.0%
55.6%	431	431	0	0.0%
56.8%	430	430	0	0.0%
58.0%	430	430	0	0.0%
59.3%	430	430	0	0.1%
60.5%	430	430	0	0.0%
61.7%	430	430	0	0.0%
63.0%	430	430	0	0.1%
64.2%	429	430	0	0.1%
65.4%	429	429	0	0.0%
66.7%	429	429	0	0.1%
67.9%	429	429	0	0.1%
69.1%	429	429	0	0.1%
70.4%	427	429	1	0.3%
71.6%	427	428	1	0.1%
72.8%	427	427	1	0.2%
74.1%	426	427	1	0.2%
75.3%	426	427	0	0.1%
76.5%	423	426	4	0.9%
77.8%	422	426	4	1.0%
79.0%	422	422	1	0.2%
80.2%	421	422	1	0.3%
81.5%	418	421	4	0.9%
82.7%	416	421	5	1.1%
84.0%	416	419	4	0.8%
85.2%	415	415	0	0.0%
86.4%	412	411	-1	-0.2%
87.7%	411	411	-1	-0.1%
88.9%	409	410	0	0.1%
90.1%	408	408	0	0.2%
91.4%	407	409	2	0.5%
92.6%	404	405	1	0.3%
93.8%	403	405	2	0.4%
95.1%	400	404	3	0.9%
96.3%	393	394	1	0.3%
97.5%	389	393	5	1.2%
98.8%	384	387	3	0.9%
100.0%	371	365	-5	-1.4%

April				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	0.0%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	0.0%
4.9%	448	448	0	0.0%
6.2%	448	448	0	0.0%
7.4%	448	448	0	0.0%
8.6%	448	448	0	0.0%
9.9%	448	448	0	0.0%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	448	448	0	0.0%
14.8%	448	448	0	0.0%
16.0%	448	448	0	0.0%
17.3%	448	448	0	0.0%
18.5%	448	448	0	0.0%
19.8%	448	448	0	0.0%
21.0%	448	448	0	0.0%
22.2%	448	448	0	0.0%
23.5%	448	448	0	0.0%
24.7%	448	448	0	0.0%
25.9%	448	448	0	0.0%
27.2%	448	448	0	0.0%
28.4%	448	448	0	0.0%
29.6%	448	448	0	0.0%
30.9%	448	448	0	0.0%
32.1%	448	448	0	0.0%
33.3%	448	448	0	0.0%
34.6%	448	448	0	0.0%
35.8%	448	448	0	0.0%
37.0%	448	448	0	0.0%
38.3%	448	448	0	0.0%
39.5%	448	448	0	0.0%
40.7%	448	448	0	0.0%
42.0%	448	448	0	0.0%
43.2%	448	448	0	0.0%
44.4%	448	448	0	0.0%
45.7%	448	448	0	0.0%
46.9%	448	448	0	0.0%
48.1%	448	448	0	0.0%
49.4%	448	448	0	0.0%
50.6%	448	448	0	0.0%
51.9%	448	448	0	0.0%
53.1%	448	448	0	0.0%
54.3%	448	448	0	0.0%
55.6%	448	448	0	0.0%
56.8%	448	448	0	0.0%
58.0%	448	448	0	0.0%
59.3%	448	448	0	0.0%
60.5%	448	448	0	0.0%
61.7%	448	448	0	0.0%
63.0%	448	448	0	0.0%
64.2%	448	448	0	0.0%
65.4%	447	447	0	0.0%
66.7%	447	447	0	0.0%
67.9%	445	446	1	0.2%
69.1%	444	445	1	0.2%
70.4%	443	444	1	0.2%
71.6%	442	442	0	0.0%
72.8%	441	442	1	0.2%
74.1%	441	441	0	0.1%
75.3%	439	440	1	0.3%
76.5%	434	439	4	1.0%
77.8%	434	437	4	0.8%
79.0%	433	427	4	1.0%
80.2%	432	434	2	0.4%
81.5%	431	432	2	0.4%
82.7%	430	432	2	0.4%
84.0%	429	430	1	0.3%
85.2%	426	430	4	1.0%
86.4%	424	425	0	0.1%
87.7%	418	417	-1	-0.3%
88.9%	416	416	0	0.0%
90.1%	413	413	0	0.0%
91.4%	411	413	1	0.3%
92.6%	411	412	1	0.3%
93.8%	410	410	1	0.2%
95.1%	406	410	4	1.0%
96.3%	406	406	1	0.1%
97.5%	399	404	5	1.2%
98.8%	388	392	3	0.8%
100.0%	366	357	-9	-2.4%

May				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	465	465	0	0.0%
8.6%	465	465	0	0.0%
9.9%	465	465	0	0.0%
11.1%	465	465	0	0.0%
12.3%	465	465	0	0.0%
13.6%	465	465	0	0.0%
14.8%	465	465	0	0.0%
16.0%	465	465	0	0.0%
17.3%	465	465	0	0.0%
18.5%	465	465	0	0.0%
19.8%	465	465	0	0.0%
21.0%	465	465	0	0.0%
22.2%	465	465	0	0.0%
23.5%	465	465	0	0.0%
24.7%	465	465	0	0.0

Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	465	465	0	0.0%
8.6%	465	465	0	0.0%
9.9%	465	465	0	0.0%
11.1%	465	465	0	0.0%
12.3%	465	465	0	0.0%
13.6%	465	465	0	0.0%
14.8%	465	465	0	0.0%
16.0%	465	465	0	0.0%
17.3%	465	465	0	0.0%
18.5%	465	465	0	0.0%
19.8%	465	465	0	0.0%
21.0%	465	465	0	0.0%
22.2%	465	465	0	0.0%
23.5%	465	465	0	0.0%
24.7%	465	465	0	0.0%
25.9%	465	465	0	0.0%
27.2%	465	465	0	0.0%
28.4%	465	465	0	0.0%
29.6%	465	465	0	0.0%
30.9%	465	465	0	0.0%
32.1%	465	465	0	0.0%
33.3%	465	465	0	0.0%
34.6%	465	465	0	0.0%
35.8%	465	465	0	0.0%
37.0%	465	465	0	0.0%
38.3%	465	465	0	0.0%
39.5%	465	465	0	0.0%
40.7%	465	465	0	0.0%
42.0%	465	465	0	-0.1%
43.2%	465	464	0	-0.1%
44.4%	464	464	0	0.0%
45.7%	463	462	0	0.0%
46.9%	463	462	-1	-0.2%
48.1%	463	461	-2	-0.4%
49.4%	461	460	-1	0.0%
50.6%	460	460	0	0.0%
51.9%	459	460	1	0.2%
53.1%	459	460	1	0.2%
54.3%	459	460	1	0.2%
55.6%	458	455	-3	-0.6%
56.8%	456	454	-2	-0.5%
58.0%	455	454	-1	-0.3%
59.3%	453	452	-2	-0.4%
60.5%	450	449	-1	-0.2%
61.7%	449	449	-1	-0.1%
63.0%	449	445	-3	-0.8%
64.2%	446	444	-3	-0.6%
65.4%	446	443	-2	-0.5%
66.7%	441	442	1	0.3%
67.9%	441	442	1	0.2%
69.1%	440	442	2	0.3%
70.4%	438	440	2	0.4%
71.6%	438	438	-1	-0.1%
72.8%	438	436	-2	-0.4%
74.1%	437	436	-2	-0.4%
75.3%	435	434	0	-0.1%
76.5%	432	433	1	0.2%
77.8%	430	432	2	0.5%
79.0%	430	429	-1	-0.2%
80.2%	426	428	2	0.5%
81.5%	425	428	3	0.7%
82.7%	425	426	1	0.2%
84.0%	421	424	3	0.6%
85.2%	417	404	0	0.0%
86.4%	415	415	-1	-0.1%
87.7%	413	415	2	0.3%
88.9%	411	414	3	0.6%
90.1%	411	414	3	0.7%
91.4%	410	414	4	0.8%
92.6%	410	411	1	0.3%
93.8%	410	410	0	0.0%
95.1%	410	409	-1	-0.2%
96.3%	407	405	-1	-0.3%
97.5%	398	394	-4	-1.0%
98.8%	393	396	3	0.6%
100.0%	357	341	-15	-4.3%

July				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	463	463	0	0.0%
1.2%	463	463	0	0.0%
2.5%	463	463	0	0.0%
3.7%	463	463	0	0.0%
4.9%	463	463	0	0.0%
6.2%	463	463	0	0.0%
7.4%	463	463	0	0.0%
8.6%	463	463	0	0.0%
9.9%	463	463	0	0.0%
11.1%	463	463	0	0.0%
12.3%	463	463	0	0.0%
13.6%	463	463	0	0.0%
14.8%	463	463	0	0.0%
16.0%	463	463	0	0.0%
17.3%	463	463	0	0.0%
18.5%	461	462	2	0.4%
19.8%	458	460	2	0.3%
21.0%	458	460	2	0.4%
22.2%	456	459	2	0.5%
23.5%	456	458	2	0.5%
24.7%	454	457	3	0.8%
25.9%	454	457	3	0.7%
27.2%	453	455	2	0.5%
28.4%	452	455	3	0.6%
29.6%	448	454	6	1.3%
30.9%	445	453	8	1.3%
32.1%	447	453	6	1.3%
33.3%	447	450	3	0.8%
34.6%	447	450	3	0.8%
35.8%	446	448	2	0.4%
37.0%	444	448	4	0.8%
38.3%	444	447	3	0.7%
39.5%	444	446	2	0.6%
40.7%	443	446	3	0.6%
42.0%	442	444	2	0.5%
43.2%	441	443	2	0.5%
44.4%	441	442	1	0.3%
45.7%	441	442	2	0.4%
46.9%	440	442	2	0.5%
48.1%	439	442	2	0.6%
49.4%	438	442	3	0.8%
50.6%	436	441	5	1.2%
51.9%	436	441	5	1.2%
53.1%	435	441	6	1.3%
54.3%	435	441	6	1.3%
55.6%	433	435	2	0.4%
56.8%	432	434	2	0.5%
58.0%	431	433	2	0.5%
59.3%	430	431	2	0.4%
60.5%	424	429	5	1.2%
61.7%	423	429	6	1.3%
63.0%	420	427	7	1.6%
64.2%	418	426	8	1.9%
65.4%	417	424	7	1.6%
66.7%	417	422	5	1.3%
67.9%	417	422	5	1.2%
69.1%	416	422	5	1.3%
70.4%	415	421	6	1.5%
71.6%	415	419	4	1.0%
72.8%	412	417	5	1.6%
74.1%	411	417	6	1.4%
75.3%	411	417	6	1.4%
76.5%	411	416	5	1.2%
77.8%	410	413	3	0.7%
79.0%	410	413	3	0.7%
80.2%	406	413	7	1.6%
81.5%	405	412	7	1.9%
82.7%	404	412	8	2.0%
84.0%	403	407	4	0.9%
85.2%	403	404	1	0.3%
86.4%	402	404	2	0.5%
87.7%	401	403	2	0.6%
88.9%	399	402	3	0.7%
90.1%	396	401	5	1.3%
91.4%	392	401	9	2.2%
92.6%	391	401	10	2.5%
93.8%	388	398	10	2.5%
95.1%	387	397	9	2.4%
96.3%	387	396	9	2.2%
97.5%	384	391	7	2.0%
98.8%	345	387	42	12.2%
100.0%	340	330	-10	-2.9%

August				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	-0.1%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	0.0%
4.9%	448	448	0	0.0%
6.2%	448	448	0	0.0%
7.4%	448	448	0	0.0%
8.6%	448	448	0	0.0%
9.9%	448	448	0	0.0%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	448	448	0	0.0%
14.8%	448	448	0	0.0%
16.0%	448	448	0	0.0%
17.3%	448	448	0	0.0%
18.5%	448	448	0	0.0%
19.8%	448	448	0	0.0%
21.0%	448	448	0	0.0%
22.2%	448	448	0	0.0%
23.5%	448	448	0	0.0%
24.7%	448	448	0	0.0%
25.9%	448	448	0	0.0%
27.2%	448	448	0	0.0%
28.4%	446	448	2	0.5%
29.6%	444	448	4	0.9%
30.9%	443	447	4	0.9%
32.1%	443	445	2	0.4%
33.3%	443	445	2	0.4%
34.6%	443	443	0	0.1%
35.8%	442	443	0	0.1%
37.0%	441	442	1	0.2%
38.3%	440	441	1	0.2%
39.5%	439	440	1	0.3%
40.7%	438	439	1	0.3%
42.0%	436	439	2	0.5%
43.2%	435	437	1	0.3%
44.4%	435	437	2	0.4%
45.7%	432	435	3	0.7%
46.9%	431	434	4	1.0%
48.1%	431	435	4	0.9%
49.4%	430	434	4	0.9%
50.6%	430	432	2	0.5%
51.9%	429	431	2	0.5%
53.1%	428	429	1	0.2%
54.3%	427	428	2	0.4%
55.6%	426	428	2	0.5%
56.8%	424	428	4	0.9%
58.0%	421	426	7	1.6%
59.3%	421	426	5	1.1%
60.5%	419	424	5	1.2%
61.7%	415	423	8	1.9%
63.0%	415	420	5	1.3%
64.2%	412	419	8	1.9%
65.4%	412	418	6	1.5%
66.7%	409	416	7	1.7%
67.9%	409	414	5	1.2%
69.1%	409	413	4	1.1%
70.4%	407	411	4	1.0%
71.6%	405	411	6	1.5%
72.8%	404	411	7	1.6%
74.1%	404	410	6	1.4%
75.3%	404	409	6	1.4%
76.5%	404	408	5	1.2%
77.8%	403	408	4	1.1%
79.0%	403	407	4	1.0%
80.2%	401	405	4	0.9%
81.5%	399	404	5	1.3%
82.7%	398	403	4	1.1%
84.0%	396	398	2	0.4%
85.2%	394	397	3	0.7%
86.4%	392	395	2	0.6%
87.7%	392	394	2	0.6%
88.9%	392	394	2	0.5%
90.1%	388	392	4	1.0%
91.4%	386	392	4	1.0%
92.6%	387	390	3	0.8%
93.8%	379	390	11	2.9%
95.1%	379	387	8	2.2%
96.3%	378	386	8	2.1%
97.5%	376	384	8	2.1%
98.8%	330	377	47	14.1%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	DCR 2015 Without Project End of Month Elevation (FEET)	DCR 2015 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	444	444	0	0.0%
1.2%	444	444	0	0.0%
2.5%	444	444	0	0.0%
3.7%	444	444	0	0.0%
4.9%	444	444	0	0.0%
6.2%	441	444	3	0.6%
7.4%	441	444	3	0.6%
8.6%	441	444	3	0.6%
9.9%	440	443	3	0.8%
11.1%	440	443	3	0.6%
12.3%	438	441	3	0.7%
13.6%	437	440	3	0.7%
14.8%	437	439	2	0.5%
16.0%	437	439	3	0.6%
17.3%	435	438	4	0.9%
18.5%	432	438	6	1.4%
19.8%	432	436	5	1.1%
21.0%	431	435	4	1.0%
22.2%	431	434	3	0.8%
23.5%	430	433	4	0.9%
24.7%	430	432		

Table SW-26-a  
Folsom Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	7,222	6,970	7,269	7,461	7,667	8,602	9,499	10,234	9,982	8,846	8,286	7,698
DCR 2015 With Project	7,464	7,127	7,361	7,521	7,724	8,637	9,530	10,252	9,984	9,118	8,518	7,958
Difference	242	157	92	60	57	35	31	18	1	271	233	260
Percent Difference <sup>2</sup>	3.3%	2.2%	1.3%	0.8%	0.7%	0.4%	0.3%	0.2%	0.0%	3.1%	2.8%	3.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	8,306	7,594	7,772	7,994	7,902	8,977	10,057	11,075	11,058	10,483	9,849	8,823
DCR 2015 With Project	8,346	7,619	7,782	7,992	7,902	8,977	10,057	11,075	11,057	10,508	9,835	8,947
Difference	40	25	10	-1	0	0	0	0	-1	24	-14	124
Percent Difference	0.5%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-0.1%	1.4%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	7,591	7,229	7,559	7,830	8,058	9,072	10,053	11,052	10,864	9,523	8,983	8,060
DCR 2015 With Project	8,032	7,546	7,735	7,832	8,056	9,072	10,053	11,052	10,898	9,768	9,270	8,547
Difference	441	317	176	2	-2	0	0	0	34	244	287	487
Percent Difference	5.8%	4.4%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	2.6%	3.2%	6.0%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	7,908	7,687	7,740	7,660	8,122	8,916	10,011	10,801	10,659	9,091	8,711	8,436
DCR 2015 With Project	8,171	7,764	7,778	7,686	8,154	8,945	10,006	10,784	10,544	9,421	8,920	8,626
Difference	263	76	38	26	31	29	-5	-17	-114	331	208	190
Percent Difference	3.3%	1.0%	0.5%	0.3%	0.4%	0.3%	0.0%	-0.2%	-1.1%	3.6%	2.4%	2.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	6,554	6,723	6,999	7,154	7,599	8,594	9,361	9,860	9,295	7,852	7,227	7,027
DCR 2015 With Project	6,947	7,034	7,187	7,270	7,709	8,643	9,436	9,922	9,318	8,306	7,639	7,403
Difference	393	312	188	116	110	49	75	61	24	454	412	375
Percent Difference	6.0%	4.6%	2.7%	1.6%	1.5%	0.6%	0.8%	0.6%	0.3%	5.8%	5.7%	5.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	4,705	4,896	5,747	6,166	6,338	6,968	7,350	7,489	7,012	5,830	5,294	5,043
DCR 2015 With Project	4,933	5,039	5,849	6,371	6,526	7,098	7,452	7,541	7,088	6,319	5,765	5,279
Difference	228	143	102	206	188	130	102	51	77	489	471	236
Percent Difference	4.8%	2.9%	1.8%	3.3%	3.0%	1.9%	1.4%	0.7%	1.1%	8.4%	8.9%	4.7%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

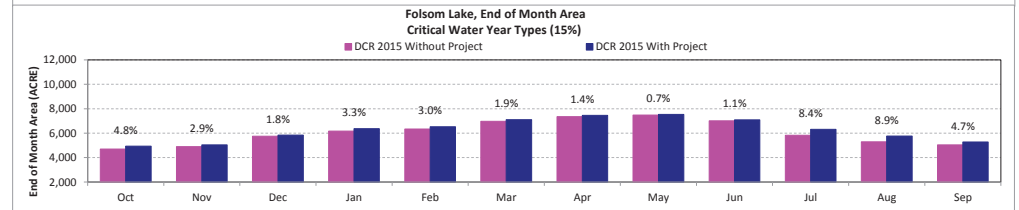
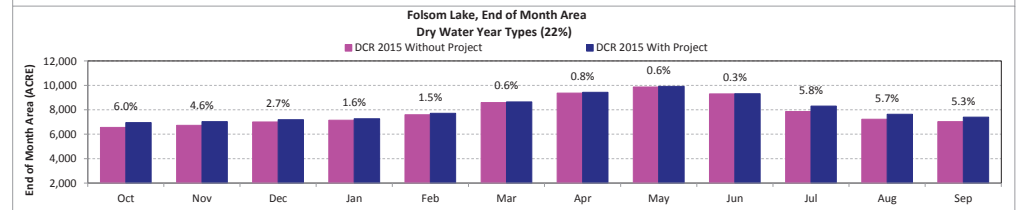
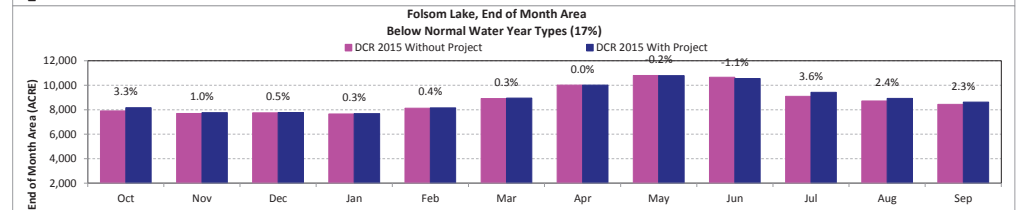
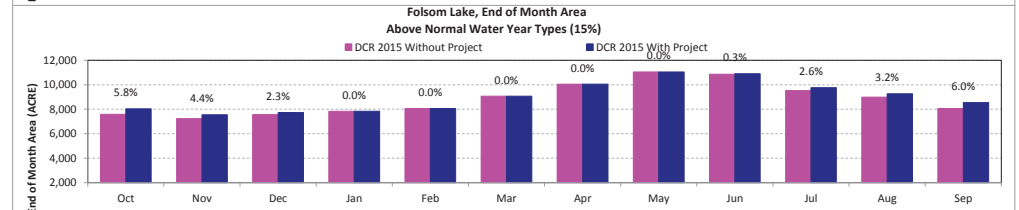
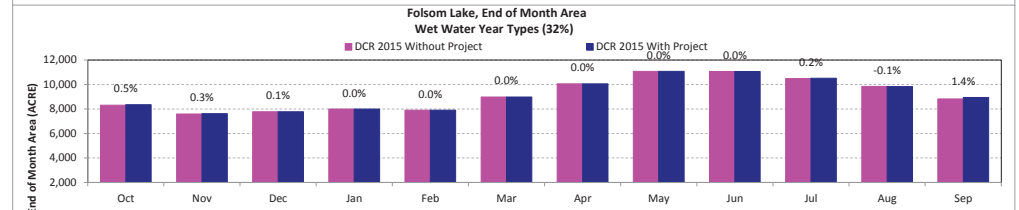
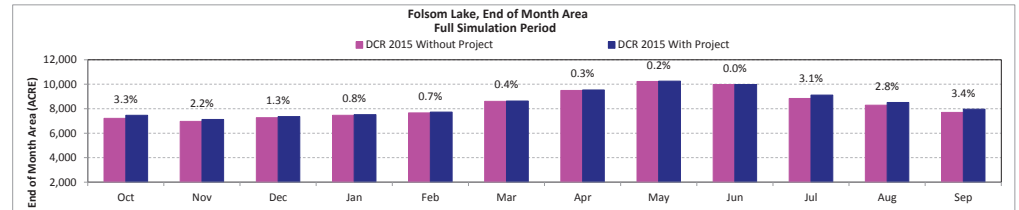


Table SW-27-a  
American River below Nimbus Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	1,659	2,670	3,317	4,509	5,207	4,040	3,398	3,365	3,192	3,578	2,143	2,244
DCR 2015 With Project	1,712	2,799	3,415	4,560	5,207	4,071	3,396	3,378	3,243	3,077	2,275	2,166
Difference	53	129	98	52	0	31	-2	12	51	-501	132	-78
Percent Difference <sup>2</sup>	3.2%	4.8%	3.0%	1.1%	0.0%	0.8%	-0.1%	0.4%	1.6%	-14.0%	6.2%	-3.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,962	3,879	3,721	9,092	9,612	6,886	5,451	5,703	5,149	3,769	3,069	3,594
DCR 2015 With Project	2,136	3,906	3,745	9,129	9,609	6,886	5,450	5,703	5,153	3,698	3,169	3,307
Difference	174	27	24	36	-3	0	0	0	4	-72	100	-287
Percent Difference	8.9%	0.7%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-1.9%	3.3%	-8.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,507	2,647	2,875	4,709	6,173	5,795	3,559	3,516	2,973	4,415	2,277	2,910
DCR 2015 With Project	1,579	2,871	3,112	4,851	6,179	5,791	3,559	3,516	2,877	3,967	2,255	2,575
Difference	72	224	237	142	7	-4	0	0	-96	-448	-22	-335
Percent Difference	4.8%	8.5%	8.2%	3.0%	0.1%	-0.1%	0.0%	0.0%	-3.2%	-10.1%	-1.0%	-11.5%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	2,051	3,173	4,087	2,337	3,956	2,584	3,206	2,962	2,415	4,692	1,771	1,582
DCR 2015 With Project	1,945	3,507	4,157	2,434	3,943	2,586	3,272	2,993	2,665	3,643	2,112	1,638
Difference	-105	334	70	96	-12	3	66	31	250	-1,049	340	56
Percent Difference	-5.1%	10.5%	1.7%	4.1%	-0.3%	0.1%	2.1%	1.0%	10.3%	-22.3%	19.2%	3.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,475	1,759	4,061	1,621	1,973	1,966	2,031	1,687	2,257	3,035	1,746	1,328
DCR 2015 With Project	1,512	1,858	4,248	1,610	1,967	2,073	1,962	1,670	2,373	2,262	1,870	1,360
Difference	37	99	187	-10	-5	107	-69	-18	116	-773	124	31
Percent Difference	2.5%	5.6%	4.6%	-0.6%	-0.3%	5.4%	-3.4%	-1.1%	5.1%	-25.5%	7.1%	2.4%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	973	852	870	1,242	1,010	930	1,067	1,138	1,481	1,841	1,030	798
DCR 2015 With Project	953	916	888	1,278	1,030	982	1,080	1,211	1,451	1,402	1,155	1,110
Difference	-20	63	18	36	21	52	13	74	-30	440	124	312
Percent Difference	-2.1%	7.4%	2.1%	2.9%	2.1%	5.6%	1.2%	6.5%	-2.0%	23.9%	12.1%	39.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-27-b**  
**American River below Nimbus Reservoir, Monthly Flow**  
**Probability of Exceedance**

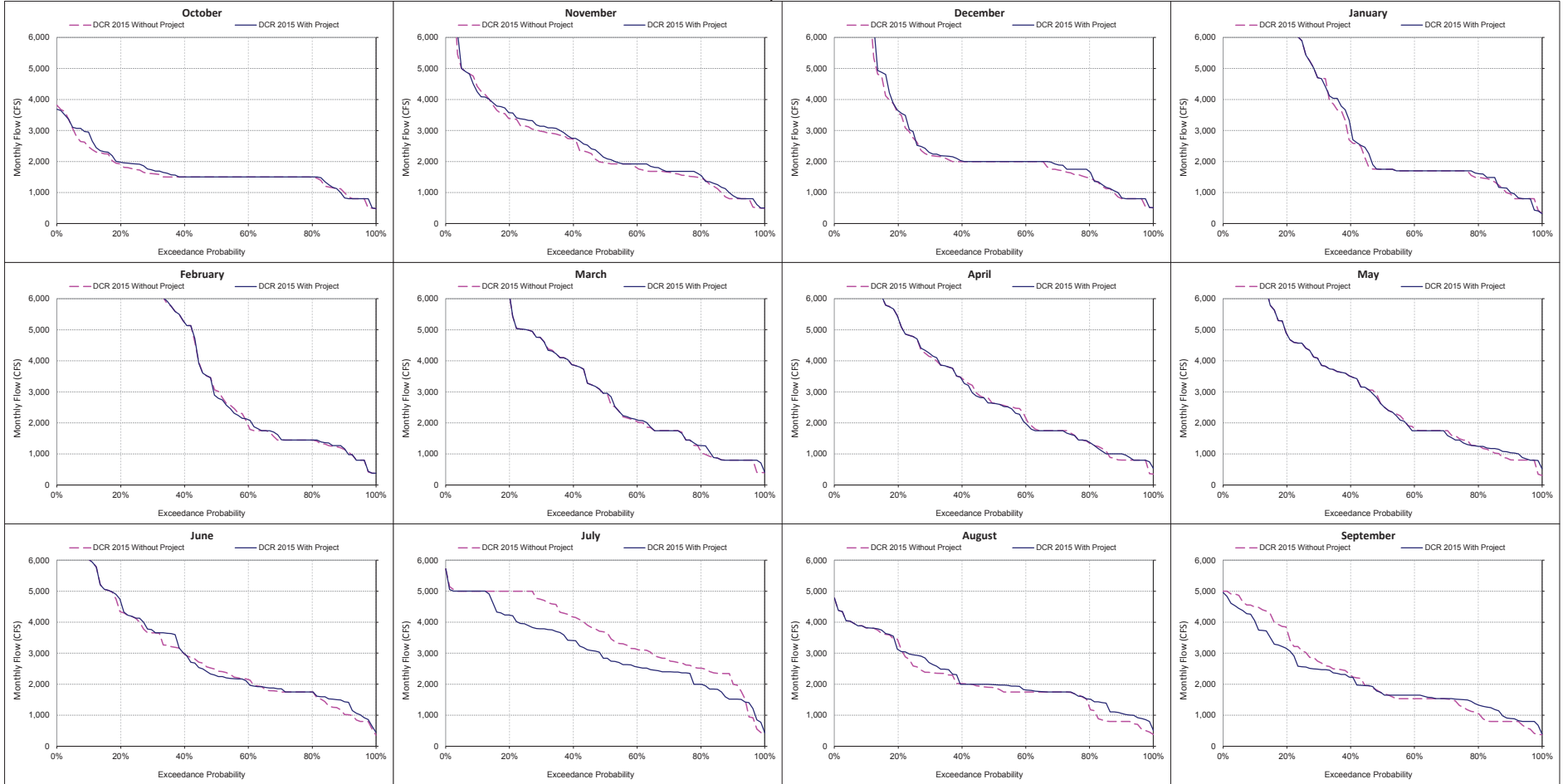


Table SW-27-b  
American River below Nimbus Reservoir, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,815	3,686	-130	-3.4%
1.2%	3,679	3,659	-19	-1.1%
2.5%	3,613	3,495	-118	-3.3%
3.7%	3,355	3,362	7	0.2%
4.9%	3,069	3,104	35	1.1%
6.2%	2,802	3,069	267	9.5%
7.4%	2,645	3,065	420	15.9%
8.6%	2,526	2,964	438	17.3%
9.9%	2,477	2,948	471	19.0%
11.1%	2,380	2,656	276	11.6%
12.3%	2,302	2,449	146	6.4%
13.6%	2,291	2,354	63	2.8%
14.8%	2,248	2,313	65	2.9%
16.0%	2,245	2,302	57	2.6%
17.3%	2,027	2,186	159	7.9%
18.5%	1,948	2,012	64	3.3%
19.8%	1,925	1,979	54	2.8%
21.0%	1,815	1,952	138	7.6%
22.2%	1,804	1,948	144	8.0%
23.5%	1,771	1,929	158	8.9%
24.7%	1,742	1,926	184	10.5%
25.9%	1,725	1,911	186	10.8%
27.2%	1,651	1,860	210	12.7%
28.4%	1,617	1,760	144	8.9%
29.6%	1,512	1,734	222	14.7%
30.9%	1,597	1,691	94	5.9%
32.1%	1,583	1,688	105	6.6%
33.3%	1,505	1,647	142	9.4%
34.6%	1,500	1,621	121	8.0%
35.8%	1,500	1,574	74	4.9%
37.0%	1,500	1,567	67	4.5%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,489	1,489	11	0.7%
81.5%	1,460	1,500	40	2.7%
82.7%	1,392	1,478	86	6.2%
84.0%	1,203	1,348	145	12.0%
85.2%	1,177	1,256	79	6.7%
86.4%	1,153	1,168	14	1.2%
87.7%	1,123	1,128	4	0.4%
88.9%	1,122	993	-129	-11.5%
90.1%	894	830	-63	-7.1%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	500	800	300	60.0%
98.8%	500	500	0	0.0%
100.0%	479	482	3	0.7%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,982	16,555	1,573	10.5%
1.2%	13,902	13,902	0	0.0%
2.5%	7,727	7,727	0	0.0%
3.7%	5,457	6,181	724	13.3%
4.9%	5,000	5,000	0	0.0%
6.2%	4,905	4,905	0	0.0%
7.4%	4,831	4,828	-3	-0.1%
8.6%	4,753	4,508	-245	-5.2%
9.9%	4,424	4,252	-172	-3.9%
11.1%	4,264	4,091	-173	-4.0%
12.3%	4,162	4,079	-83	-2.0%
13.6%	4,016	4,012	-4	-0.1%
14.8%	3,819	3,887	69	1.8%
16.0%	3,651	3,788	136	3.7%
17.3%	3,554	3,771	217	6.1%
18.5%	3,547	3,726	179	5.0%
19.8%	3,386	3,578	191	5.7%
21.0%	3,378	3,570	191	5.7%
22.2%	3,361	3,414	53	1.6%
23.5%	3,153	3,377	224	7.1%
24.7%	3,152	3,359	207	6.6%
25.9%	3,119	3,326	207	6.6%
27.2%	3,043	3,319	275	9.0%
28.4%	3,021	3,177	157	5.2%
29.6%	2,982	3,139	157	5.2%
30.9%	2,958	3,136	178	6.0%
32.1%	2,915	3,087	172	5.9%
33.3%	2,908	3,086	178	6.1%
34.6%	2,887	3,066	179	6.2%
35.8%	2,846	2,997	151	5.3%
37.0%	2,839	2,934	96	3.4%
38.3%	2,741	2,830	90	3.3%
39.5%	2,730	2,749	20	0.7%
40.7%	2,694	2,743	48	1.8%
42.0%	2,352	2,664	312	13.3%
43.2%	2,300	2,346	46	2.0%
44.4%	2,303	2,528	225	9.8%
45.7%	2,253	2,412	159	7.1%
46.9%	2,078	2,373	296	14.2%
48.1%	1,989	2,265	276	13.9%
49.4%	1,968	2,147	179	9.1%
50.6%	1,907	2,087	180	9.4%
51.9%	1,925	2,063	138	7.2%
53.1%	1,925	2,003	78	4.1%
54.3%	1,925	1,957	32	1.7%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,841	1,925	84	4.6%
60.5%	1,759	1,925	166	9.5%
61.7%	1,727	1,925	198	11.4%
63.0%	1,689	1,925	236	14.0%
64.2%	1,683	1,847	164	9.7%
65.4%	1,683	1,813	130	7.7%
66.7%	1,683	1,804	121	7.2%
67.9%	1,683	1,737	54	3.2%
69.1%	1,664	1,683	19	1.2%
70.4%	1,649	1,663	14	0.8%
71.6%	1,616	1,683	67	4.2%
72.8%	1,599	1,683	85	5.3%
74.1%	1,555	1,683	128	8.2%
75.3%	1,554	1,683	129	8.3%
76.5%	1,521	1,683	162	10.6%
77.8%	1,511	1,683	172	11.4%
79.0%	1,489	1,610	121	8.1%
80.2%	1,460	1,538	78	5.3%
81.5%	1,392	1,353	-39	-2.8%
82.7%	1,266	1,348	83	6.5%
84.0%	1,203	1,295	91	7.6%
85.2%	1,123	1,256	133	11.8%
86.4%	994	1,168	174	17.5%
87.7%	861	1,128	266	30.9%
88.9%	800	993	193	24.2%
90.1%	800	895	95	11.8%
91.4%	800	830	30	3.8%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	530	800	270	51.0%
97.5%	500	612	112	22.3%
98.8%	500	500	0	0.0%
100.0%	500	500	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,250	20,444	1,193	6.2%
1.2%	16,514	16,514	0	0.0%
2.5%	16,054	16,330	286	1.8%
3.7%	15,873	15,873	0	0.0%
4.9%	13,816	13,811	-5	0.0%
6.2%	12,847	12,769	-78	-0.6%
7.4%	9,747	9,747	0	0.0%
8.6%	8,732	8,726	-6	-0.1%
9.9%	7,304	7,304	0	0.0%
11.1%	6,929	6,929	0	0.0%
12.3%	5,339	6,397	1,058	19.8%
13.6%	4,816	4,935	120	2.5%
14.8%	4,755	4,879	124	2.6%
16.0%	4,119	4,806	687	16.7%
17.3%	3,981	4,213	232	5.8%
18.5%	3,864	3,862	-2	-0.1%
19.8%	3,584	3,660	76	2.1%
21.0%	3,493	3,555	62	1.8%
22.2%	3,084	3,493	409	13.3%
23.5%	2,963	3,025	61	2.1%
24.7%	2,760	2,963	204	7.4%
25.9%	2,618	2,525	-93	-3.5%
27.2%	2,361	2,490	129	5.5%
28.4%	2,258	2,425	167	7.4%
29.6%	2,197	2,298	101	4.6%
30.9%	2,184	2,237	53	2.4%
32.1%	2,168	2,235	67	3.1%
33.3%	2,156	2,184	28	1.3%
34.6%	2,118	2,182	63	3.0%
35.8%	2,057	2,173	116	5.6%
37.0%	2,000	2,154	154	7.7%
38.3%	2,000	2,099	99	4.9%
39.5%	2,000	2,031	31	1.5%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,828	2,000	172	9.4%
67.9%	1,750	1,982	232	13.2%
69.1%	1,750	1,920	170	9.7%
70.4%	1,723	1,884	161	9.3%
71.6%	1,703	1,875	172	10.1%
72.8%	1,658	1,750	92	5.5%
74.1%	1,635	1,750	115	7.0%
75.3%	1,575	1,750	175	11.1%
76.5%	1,574	1,750	176	11.2%
77.8%	1,529	1,750	221	14.4%
79.0%	1,489	1,750	261	17.5%
80.2%	1,460	1,650	190	13.0%
81.5%	1,392	1,353	-39	-2.8%
82.7%	1,323	1,348	25	1.9%
84.0%	1,203	1,256	53	4.4%
85.2%	1,123	1,168	44	3.9%
86.4%	1,122	1,128	5	0.5%
87.7%	994	1,059	65	6.6%
88.9%	861	993	132	15.3%
90.1%	800	830	30	3.8%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	540	800	260	48.2%
98.				

Table SW-27-b  
American River below Nimbus Reservoir, Monthly Flow  
Probability of Exceedance

February						March						April						May					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	32,710	32,711	1	0.0%		0.0%	18,080	18,080	0	0.0%		0.0%	15,628	15,628	0	0.0%		0.0%	10,673	10,673	0	0.0%	
1.2%	16,269	16,264	-5	-0.0%		1.2%	17,377	17,377	0	0.0%		1.2%	10,411	10,411	0	0.0%		1.2%	9,837	9,837	0	0.0%	
2.5%	13,793	13,793	0	0.0%		2.5%	12,880	12,880	0	0.0%		2.5%	9,208	9,208	0	0.0%		2.5%	9,681	9,681	0	0.0%	
3.7%	13,657	13,657	0	0.0%		3.7%	12,078	12,078	0	0.0%		3.7%	7,562	7,562	0	0.0%		3.7%	9,249	9,249	0	0.0%	
4.9%	13,472	13,472	0	0.0%		4.9%	11,247	11,253	5	0.0%		4.9%	7,503	7,503	0	0.0%		4.9%	8,487	8,487	0	0.0%	
6.2%	13,181	13,184	2	0.0%		6.2%	11,075	11,075	0	0.0%		6.2%	7,366	7,366	0	0.0%		6.2%	8,453	8,453	0	0.0%	
7.4%	13,085	13,082	-3	-0.0%		7.4%	10,954	10,978	24	0.2%		7.4%	6,881	6,881	0	0.0%		7.4%	8,341	8,341	0	0.0%	
8.6%	12,796	12,796	0	0.0%		8.6%	9,747	9,747	0	0.0%		8.6%	6,745	6,745	0	0.0%		8.6%	7,742	7,742	0	0.0%	
9.9%	12,457	12,455	-3	-0.0%		9.9%	9,026	9,026	0	0.0%		9.9%	6,334	6,334	0	0.0%		9.9%	7,725	7,725	0	0.0%	
11.1%	11,621	11,621	0	0.0%		11.1%	8,624	8,624	0	0.0%		11.1%	6,281	6,281	0	0.0%		11.1%	7,617	7,617	0	0.0%	
12.3%	10,738	10,738	0	0.0%		12.3%	7,742	8,006	264	3.4%		12.3%	6,234	6,234	0	0.0%		12.3%	6,921	6,921	0	0.0%	
13.6%	10,590	10,590	0	0.0%		13.6%	7,578	7,742	164	2.2%		13.6%	6,100	6,110	10	0.2%		13.6%	6,292	6,292	0	0.0%	
14.8%	10,235	10,235	0	0.0%		14.8%	7,415	7,415	0	0.0%		14.8%	6,079	6,089	11	0.2%		14.8%	5,789	5,789	0	0.0%	
16.0%	10,175	10,209	35	0.3%		16.0%	7,205	7,205	0	0.0%		16.0%	5,797	5,797	0	0.0%		16.0%	5,637	5,637	0	0.0%	
17.3%	10,098	10,098	0	0.0%		17.3%	7,068	7,068	0	0.0%		17.3%	5,754	5,744	-9	-0.2%		17.3%	5,294	5,294	0	0.0%	
18.5%	9,996	9,996	0	0.0%		18.5%	6,983	6,983	0	0.0%		18.5%	5,675	5,675	0	0.0%		18.5%	5,286	5,286	0	0.0%	
19.8%	9,569	9,569	0	0.0%		19.8%	6,281	6,274	-7	-0.1%		19.8%	5,450	5,450	0	0.0%		19.8%	4,905	4,909	3	0.1%	
21.0%	8,372	8,555	183	2.2%		21.0%	5,438	5,438	0	0.0%		21.0%	5,090	5,090	0	0.0%		21.0%	4,676	4,682	5	0.1%	
22.2%	7,702	7,702	0	0.0%		22.2%	5,043	5,043	0	0.0%		22.2%	4,864	4,864	0	0.0%		22.2%	4,593	4,593	0	0.0%	
23.5%	7,610	7,610	0	0.0%		23.5%	5,029	5,023	-6	-0.1%		23.5%	4,823	4,823	0	0.0%		23.5%	4,574	4,574	0	0.0%	
24.7%	7,555	7,555	0	0.0%		24.7%	5,017	5,017	0	0.0%		24.7%	4,781	4,781	0	0.0%		24.7%	4,570	4,570	0	0.0%	
25.9%	7,549	7,549	0	0.0%		25.9%	4,992	4,992	0	0.0%		25.9%	4,707	4,707	0	0.0%		25.9%	4,411	4,411	0	0.0%	
27.2%	7,192	7,192	0	0.0%		27.2%	4,946	4,946	0	0.0%		27.2%	4,438	4,412	-26	-0.6%		27.2%	4,340	4,340	0	0.0%	
28.4%	7,112	7,113	1	0.0%		28.4%	4,759	4,759	0	0.0%		28.4%	4,250	4,338	88	2.1%		28.4%	4,120	4,122	2	0.1%	
29.6%	6,846	6,846	0	0.0%		29.6%	4,757	4,757	0	0.0%		29.6%	4,147	4,147	0	0.0%		29.6%	3,953	4,081	128	3.2%	
30.9%	6,846	6,798	-48	-0.7%		30.9%	4,614	4,614	0	0.0%		30.9%	4,104	4,147	44	1.1%		30.9%	3,856	3,852	-4	-0.1%	
32.1%	6,798	6,288	-510	-7.5%		32.1%	4,385	4,344	-41	-0.9%		32.1%	3,988	4,104	116	2.9%		32.1%	3,822	3,822	0	0.0%	
33.3%	6,036	6,033	-3	-0.1%		33.3%	4,342	4,314	-28	-0.6%		33.3%	3,860	3,861	1	0.0%		33.3%	3,741	3,741	0	0.0%	
34.6%	5,838	5,924	86	1.5%		34.6%	4,231	4,231	0	0.0%		34.6%	3,841	3,841	0	0.0%		34.6%	3,719	3,721	2	0.1%	
35.8%	5,760	5,760	0	0.0%		35.8%	4,107	4,100	-7	-0.2%		35.8%	3,799	3,799	0	0.0%		35.8%	3,652	3,652	0	0.0%	
37.0%	5,593	5,593	0	0.0%		37.0%	4,100	4,100	0	0.0%		37.0%	3,765	3,760	-5	-0.1%		37.0%	3,630	3,630	0	0.0%	
38.3%	5,503	5,501	-2	-0.0%		38.3%	4,043	4,043	0	0.0%		38.3%	3,512	3,512	0	0.0%		38.3%	3,614	3,602	-12	-0.3%	
39.5%	5,297	5,297	0	0.0%		39.5%	3,880	3,881	1	0.0%		39.5%	3,477	3,477	0	0.0%		39.5%	3,517	3,517	0	0.0%	
40.7%	5,139	5,139	0	0.0%		40.7%	3,844	3,844	0	0.0%		40.7%	3,375	3,273	-102	-3.0%		40.7%	3,468	3,468	0	0.0%	
42.0%	5,137	5,137	0	0.0%		42.0%	3,804	3,804	0	0.0%		42.0%	3,273	3,210	-63	-1.9%		42.0%	3,426	3,426	0	0.0%	
43.2%	4,618	4,618	0	0.0%		43.2%	3,732	3,732	0	0.0%		43.2%	3,210	3,210	0	0.0%		43.2%	3,156	3,156	0	0.0%	
44.4%	3,975	3,922	-54	-1.4%		44.4%	3,280	3,280	0	0.0%		44.4%	2,971	2,867	-105	-3.5%		44.4%	3,147	3,147	0	0.0%	
45.7%	3,601	3,601	0	0.0%		45.7%	3,231	3,224	-6	-0.2%		45.7%	2,867	2,813	-54	-1.9%		45.7%	3,062	3,062	0	0.0%	
46.9%	3,515	3,519	5	0.1%		46.9%	3,176	3,176	0	0.0%		46.9%	2,811	2,811	0	0.0%		46.9%	2,932	2,932	0	0.0%	
48.1%	3,456	3,456	0	0.0%		48.1%	3,087	3,091	3	0.1%		48.1%	2,811	2,844	33	1.2%		48.1%	2,814	2,814	0	0.0%	
49.4%	3,064	2,895	-168	-5.5%		49.4%	2,953	2,952	-1	-0.0%		49.4%	2,645	2,636	-9	-0.3%		49.4%	2,629	2,629	0	0.0%	
50.6%	3,011	2,791	-220	-7.3%		50.6%	2,952	2,952	0	0.0%		50.6%	2,615	2,615	0	0.0%		50.6%	2,505	2,505	0	0.0%	
51.9%	2,806	2,740	-66	-2.4%		51.9%	2,562	2,844	282	11.0%		51.9%	2,594	2,594	0	0.0%		51.9%	2,401	2,401	0	0.0%	
53.1%	2,630	2,565	-65	-2.5%		53.1%	2,518	2,518	0	0.0%		53.1%	2,522	2,522	0	0.0%		53.1%	2,341	2,343	2	0.1%	
54.3%	2,570	2,456	-114	-4.4%		54.3%	2,374	2,374	0	0.0%		54.3%	2,522	2,521	-1	-0.0%		54.3%	2,287	2,229	-58	-2.5%	
55.6%	2,463	2,316	-147	-6.0%		55.6%	2,197	2,233	36	1.6%		55.6%	2,521	2,459	-62	-2.4%		55.6%	2,228	2,089	-138	-6.2%	
56.8%	2,316	2,242	-73	-3.2%		56.8%	2,159	2,197	38	1.8%		56.8%	2,472	2,310	-162	-6.5%		56.8%	2,089	2,055	-34	-1.6%	
58.0%	2,304	2,150	-154	-6.7%		58.0%	2,122	2,152	30	1.4%		58.0%	2,462	2,278	-186	-7.5%		58.0%	1,906	1,906	0	0.0%	
59.3%	2,077	2,133	56	2.7%		59.3%	2,063	2,122	59	2.9%		59.3%	2,310	2,047	-263	-11.4%		59.3%	1,883	1,750	-133	-7.1%	
60.5%	1,791	2,077	286	16.0%		60.5%	2,011	2,083	72	3.6%		60.5%	2,047	1,931	-116	-5.7%		60.5%	1,770	1,750	-20	-1.2%	
61.7%	1,750	1,876	126	7.2%		61.7%	2,006	2,075	68	3.4%		61.7%	1,910	1,800	-110	-5.8%		61.7%	1,750	1,750	0	0.0%	
63.0%	1,750	1,814	64	3.6%		63.0%	1,863	2,011	148	7.9%		63.0%	1,798	1,750	-48	-2.7%		63.0%	1,750	1,750	0	0.0%	
64.2%	1,750	1,750	0	0.0%		64.2%	1,847	1,863	16	0.8%		64.2%	1,750	1,750	0	0.0%		64.2%	1,750	1,750	0	0.0%	
65.4%	1,750	1,750	0	0.0%		65.4%	1,750	1,750	0	0.0%		65.4%	1,750	1,750	0	0.0%		65.4%	1,750	1,750	0	0.0%	
66.7%	1,700	1,750	50	2.9%		66.7%	1,750	1,750	0	0.0%		66.7%	1,750	1,750	0	0.0%		66.7%	1,750	1,750	0	0.0%	
67.9%	1,564	1,700	136	8.7%		67.9%	1,750	1,750	0	0.0%		67.9%	1,750	1,750	0	0.0%		67.9%	1,750	1,750	0	0.0%	
69.1%	1,445	1,619	174	12.0%		69.1%	1,750	1,750	0	0.0%		69.1%	1,750	1,750	0	0.0%		69.1%	1,750	1,750	0	0.0%	
70.4%	1,445	1,454	9	0.6%		70.4%	1,750	1,750	0	0.0%		70.4%	1,750	1,750	0	0.0%		70.4%	1,588	1,588	0	0.0%	
71.6%	1,445	1,445	0	0.0%		71.6%	1,750	1,750	0	0.0%		71.6%	1,750	1,750	0	0.0%		71.6%	1,597	1,522	-75	-4.7%	
72.8%	1,445	1,445	0	0.0%		72.8%	1,750	1,750	0	0.0%		72.8%	1,750	1,673	-77	-4.4%		72.8%	1,588	1,445	-143	-9.0%	
74.1%	1,445	1,445	0	0.0%		74.1%	1,695	1,660	-35	-2.1%		74.1%	1,673	1,629	-45	-2.7%		74.1%	1,491	1,445	-46	-3.1%	
75.3%	1,445	1,445	0	0.0%		75.3%	1,445	1,445	0	0.0%		75.3%	1,597	1,595	-2	-0.1%		75.3%	1,445	1,355	-90	-6.2%	
76.5%	1,445	1,445	0	0.0%		76.5%	1,445	1,445	0	0.0%													



Table SW-27-b  
American River below Nimbus Reservoir, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,833	11,833	0	0.0%
1.2%	9,841	9,841	0	0.0%
2.5%	9,106	9,106	0	0.0%
3.7%	8,467	8,467	0	0.0%
4.9%	8,107	8,107	0	0.0%
6.2%	7,640	7,640	0	0.0%
7.4%	7,600	7,600	0	0.0%
8.6%	6,318	6,319	0	0.0%
9.9%	6,028	6,028	0	0.0%
11.1%	5,935	5,935	0	0.0%
12.3%	5,778	5,778	0	0.0%
13.6%	5,210	5,210	0	0.0%
14.8%	5,061	5,061	0	0.0%
16.0%	5,027	5,027	0	0.0%
17.3%	4,974	4,974	0	0.0%
18.5%	4,746	4,899	153	3.2%
19.8%	4,338	4,746	409	9.4%
21.0%	4,299	4,324	25	0.6%
22.2%	4,218	4,221	3	0.1%
23.5%	4,187	4,187	0	0.0%
24.7%	4,127	4,128	0	0.0%
25.9%	3,998	4,127	129	3.2%
27.2%	3,779	4,004	225	6.0%
28.4%	3,658	3,779	121	3.3%
29.6%	3,658	3,761	103	2.8%
30.9%	3,655	3,658	3	0.1%
32.1%	3,645	3,658	13	0.3%
33.3%	3,266	3,655	390	11.9%
34.6%	3,257	3,645	388	11.9%
35.8%	3,213	3,629	416	13.0%
37.0%	3,190	3,602	412	12.9%
38.3%	3,167	3,167	0	0.0%
39.5%	3,015	3,015	0	0.0%
40.7%	2,913	2,913	-1	0.0%
42.0%	2,866	2,711	-155	-5.4%
43.2%	2,826	2,681	-145	-5.1%
44.4%	2,711	2,541	-170	-6.3%
45.7%	2,681	2,494	-187	-7.0%
46.9%	2,561	2,409	-153	-6.0%
48.1%	2,522	2,329	-193	-7.7%
49.4%	2,492	2,299	-193	-7.7%
50.6%	2,418	2,250	-168	-7.0%
51.9%	2,406	2,250	-156	-6.5%
53.1%	2,375	2,205	-170	-7.2%
54.3%	2,310	2,188	-122	-5.3%
55.6%	2,227	2,181	-46	-2.1%
56.8%	2,205	2,172	-32	-1.5%
58.0%	2,180	2,172	-8	-0.4%
59.3%	2,172	2,106	-66	-3.0%
60.5%	2,133	1,965	-167	-7.8%
61.7%	1,961	1,942	-19	-1.0%
63.0%	1,940	1,924	-16	-0.8%
64.2%	1,920	1,920	0	0.0%
65.4%	1,810	1,896	86	4.8%
66.7%	1,792	1,880	89	5.0%
67.9%	1,787	1,875	88	4.9%
69.1%	1,775	1,855	80	4.5%
70.4%	1,750	1,853	103	5.9%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,750	1,997	247	14.1%
81.5%	1,560	1,612	52	3.3%
82.7%	1,522	1,599	77	5.1%
84.0%	1,443	1,596	153	10.6%
85.2%	1,298	1,529	231	17.8%
86.4%	1,258	1,516	259	20.6%
87.7%	1,248	1,498	249	20.0%
88.9%	1,176	1,496	320	27.2%
90.1%	1,024	1,431	407	39.7%
91.4%	1,017	1,412	395	38.9%
92.6%	992	1,152	160	16.2%
93.8%	849	1,063	214	25.2%
95.1%	800	1,017	217	27.2%
96.3%	800	918	118	14.8%
97.5%	800	862	62	7.7%
98.8%	552	638	86	15.6%
100.0%	357	445	87	24.4%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,720	5,720	0	0.0%
1.2%	5,144	5,054	-99	-1.7%
2.5%	5,054	5,000	-54	-1.1%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	4,912	-88	-1.8%
14.8%	5,000	4,805	-195	-3.9%
16.0%	5,000	4,323	-677	-13.5%
17.3%	5,000	4,297	-703	-14.1%
18.5%	5,000	4,232	-768	-15.4%
19.8%	5,000	4,229	-771	-15.4%
21.0%	5,000	4,208	-792	-15.8%
22.2%	5,000	3,961	-1,039	-20.8%
23.5%	5,000	3,961	-1,039	-20.8%
24.7%	5,000	3,953	-1,047	-20.9%
25.9%	5,000	3,891	-1,109	-22.2%
27.2%	5,000	3,830	-1,170	-23.4%
28.4%	4,771	3,796	-975	-20.4%
29.6%	4,741	3,798	-953	-20.1%
30.9%	4,701	3,784	-917	-19.5%
32.1%	4,626	3,762	-863	-18.7%
33.3%	4,589	3,754	-835	-18.2%
34.6%	4,572	3,699	-873	-19.1%
35.8%	4,323	3,668	-655	-15.2%
37.0%	4,289	3,595	-695	-16.2%
38.3%	4,252	3,420	-832	-19.6%
39.5%	4,180	3,407	-773	-18.5%
40.7%	4,150	3,403	-748	-18.0%
42.0%	4,084	3,228	-856	-21.0%
43.2%	4,078	3,178	-900	-22.1%
44.4%	3,901	3,115	-787	-20.2%
45.7%	3,830	3,081	-748	-19.5%
46.9%	3,784	3,067	-717	-18.9%
48.1%	3,709	3,034	-675	-18.2%
49.4%	3,690	2,840	-851	-23.1%
50.6%	3,683	2,835	-848	-23.0%
51.9%	3,459	2,745	-714	-20.6%
53.1%	3,369	2,731	-639	-19.0%
54.3%	3,313	2,697	-616	-18.6%
55.6%	3,303	2,634	-669	-20.3%
56.8%	3,259	2,630	-630	-19.3%
58.0%	3,154	2,619	-534	-16.9%
59.3%	3,146	2,575	-571	-18.2%
60.5%	3,106	2,546	-560	-18.0%
61.7%	3,104	2,521	-583	-18.8%
63.0%	3,096	2,516	-579	-18.7%
64.2%	3,034	2,465	-569	-18.7%
65.4%	2,915	2,454	-462	-15.8%
66.7%	2,874	2,434	-440	-15.3%
67.9%	2,840	2,404	-436	-15.4%
69.1%	2,835	2,402	-433	-15.3%
70.4%	2,745	2,401	-345	-12.6%
71.6%	2,729	2,398	-333	-12.2%
72.8%	2,697	2,388	-309	-11.5%
74.1%	2,685	2,363	-322	-12.0%
75.3%	2,619	2,362	-257	-9.8%
76.5%	2,611	2,352	-259	-9.9%
77.8%	2,546	2,000	-546	-21.5%
79.0%	2,521	1,999	-522	-20.7%
80.2%	2,516	1,997	-520	-20.6%
81.5%	2,483	1,943	-540	-21.8%
82.7%	2,408	1,843	-565	-23.5%
84.0%	2,367	1,841	-526	-22.2%
85.2%	2,350	1,838	-512	-21.8%
86.4%	2,349	1,750	-599	-25.5%
87.7%	2,344	1,598	-746	-31.8%
88.9%	2,343	1,518	-825	-35.2%
90.1%	1,997	1,516	-480	-24.1%
91.4%	1,968	1,516	-452	-23.0%
92.6%	1,775	1,507	-268	-15.1%
93.8%	1,522	1,425	-97	-6.4%
95.1%	944	1,405	461	48.8%
96.3%	921	1,218	297	32.3%
97.5%	852	853	1	0.1%
98.8%	445	771	326	73.2%
100.0%	362	429	67	18.6%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,782	4,782	0	0.0%
1.2%	4,379	4,379	0	0.0%
2.5%	4,346	4,346	0	0.0%
3.7%	4,048	4,048	0	0.0%
4.9%	4,032	4,032	0	0.0%
6.2%	3,957	3,957	0	0.0%
7.4%	3,884	3,884	0	0.0%
8.6%	3,884	3,884	0	0.0%
9.9%	3,818	3,818	0	0.0%
11.1%	3,812	3,812	0	0.0%
12.3%	3,803	3,803	0	0.0%
13.6%	3,742	3,787	45	1.2%
14.8%	3,637	3,742	105	2.9%
16.0%	3,610	3,637	27	0.7%
17.3%	3,589	3,610	21	0.6%
18.5%	3,463	3,548	86	2.5%
19.8%	3,452	3,126	-326	-9.4%
21.0%	3,111	3,048	-63	-2.0%
22.2%	2,894	3,039	155	5.4%
23.5%	2,804	2,976	172	6.1%
24.7%	2,588	2,950	362	14.0%
25.9%	2,559	2,929	369	14.4%
27.2%	2,457	2,905	448	18.2%
28.4%	2,387	2,850	462	19.4%
29.6%	2,303	2,700	397	17.3%
30.9%	2,367	2,628	262	11.1%
32.1%	2,352	2,581	229	9.7%
33.3%	2,349	2,487	138	5.9%
34.6%	2,348	2,485	137	5.8%
35.8%	2,298	2,471	173	7.5%
37.0%	2,292	2,324	33	1.4%
38.3%	2,021	2,304	283	14.0%
39.5%	2,020	2,000	-20	-1.0%
40.7%	2,015	2,000	-15	-0.7%
42.0%	2,008	2,000	-8	-0.4%
43.2%	1,981	2,000	19	0.9%
44.4%	1,949	2,000	51	2.6%
45.7%	1,934	2,000	66	3.4%
46.9%	1,914	2,000	86	4.5%
48.1%	1,901	2,000	99	5.2%
49.4%	1,897	1,992	94	5.0%
50.6%	1,882	1,882	0	0.0%
51.9%	1,824	1,975	151	8.3%
53.1%	1,750	1,968	218	12.5%
54.3%	1,750	1,960	210	12.0%
55.6%	1,750	1,939	189	10.8%
56.8%	1,750	1,939	189	10.8%
58.0%	1,750	1,933	183	10.5%
59.3%	1,750	1,825	75	4.3%
60.5%	1,750	1,809	59	3.4%
61.7%	1,750	1,797	47	2.7%
63.0%	1,750	1,772	22	1.2%
64.2%	1,750	1,770	20	1.2%
65.4%	1,750	1,762	12	0.7%
66.7%	1,750	1,750	0	0.0%
67.9%	1,750	1,750	0	0.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,736	1,750	14	0.8%
75.3%	1,690	1,691	1	0.1%
76.5%	1,659	1,611	-49	-2.9%
77.8%	1,608	1,608	0	0.0%
79.0%	1,522	1,523	2	0.1%
80.2%	1,176	1,516	341	29.0%
81.5%	1,146	1,435	290	25.3%
82.7%	886	1,430	544	61.4%
84.0%	848	1,409	561	66.1%
85.2%	809	1,384	575	72.3%
86.4%	800	1,109	309	38.7%
87.7%	800	1,108	308	38.5%
88.9%	800	1,090	290	36.3%
90.1%	800	1,055	255	31.8%
91.4%	800	1,022	222	27.7%
92.6%	800	1,001	201	25.1%
93.8%	722			

Table SW-28-a  
American River at Watt Avenue, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	1,593	2,606	3,247	4,433	5,114	3,950	3,315	3,290	3,114	3,503	2,064	2,176
DCR 2015 With Project	1,646	2,735	3,343	4,484	5,114	3,981	3,313	3,302	3,164	3,001	2,200	2,097
Difference	53	129	97	51	-1	31	-2	12	50	-502	136	-80
Percent Difference <sup>2</sup>	3.3%	4.9%	3.0%	1.1%	0.0%	0.8%	-0.1%	0.4%	1.6%	-14.3%	6.6%	-3.7%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,883	3,812	3,640	8,994	9,475	6,757	5,340	5,608	5,048	3,677	2,989	3,517
DCR 2015 With Project	2,059	3,837	3,663	9,029	9,471	6,757	5,339	5,608	5,052	3,605	3,089	3,229
Difference	177	25	24	35	-3	0	0	0	4	-72	101	-288
Percent Difference	9.4%	0.7%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-2.0%	3.4%	-8.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,436	2,584	2,805	4,640	6,081	5,700	3,466	3,442	2,894	4,341	2,191	2,841
DCR 2015 With Project	1,511	2,808	3,040	4,781	6,087	5,696	3,466	3,442	2,798	3,895	2,173	2,506
Difference	75	223	235	141	6	-4	0	0	-96	-447	-18	-335
Percent Difference	5.2%	8.6%	8.4%	3.0%	0.1%	-0.1%	0.0%	0.0%	-3.3%	-10.3%	-0.8%	-11.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	1,990	3,105	4,011	2,268	3,884	2,506	3,137	2,890	2,340	4,623	1,683	1,517
DCR 2015 With Project	1,884	3,440	4,078	2,363	3,871	2,509	3,203	2,919	2,589	3,573	2,032	1,570
Difference	-106	335	67	95	-13	3	66	30	249	-1,051	349	53
Percent Difference	-5.3%	10.8%	1.7%	4.2%	-0.3%	0.1%	2.1%	1.0%	10.6%	-22.7%	20.8%	3.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,417	1,697	3,999	1,558	1,906	1,902	1,965	1,623	2,193	2,967	1,672	1,264
DCR 2015 With Project	1,453	1,795	4,185	1,549	1,901	2,009	1,895	1,605	2,309	2,193	1,802	1,294
Difference	36	98	186	-10	-5	107	-70	-18	116	-774	131	29
Percent Difference	2.6%	5.8%	4.7%	-0.6%	-0.3%	5.6%	-3.6%	-1.1%	5.3%	-26.1%	7.8%	2.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	922	797	818	1,182	947	877	1,012	1,084	1,425	1,783	969	744
DCR 2015 With Project	897	860	835	1,217	968	928	1,024	1,156	1,392	1,343	1,096	1,052
Difference	-25	64	17	35	21	51	12	72	-32	-440	127	308
Percent Difference	-2.7%	8.0%	2.1%	2.9%	2.2%	5.9%	1.1%	6.7%	-2.3%	-24.7%	13.1%	41.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-28-b  
 American River at Watt Avenue, Monthly Flow  
 Probability of Exceedance

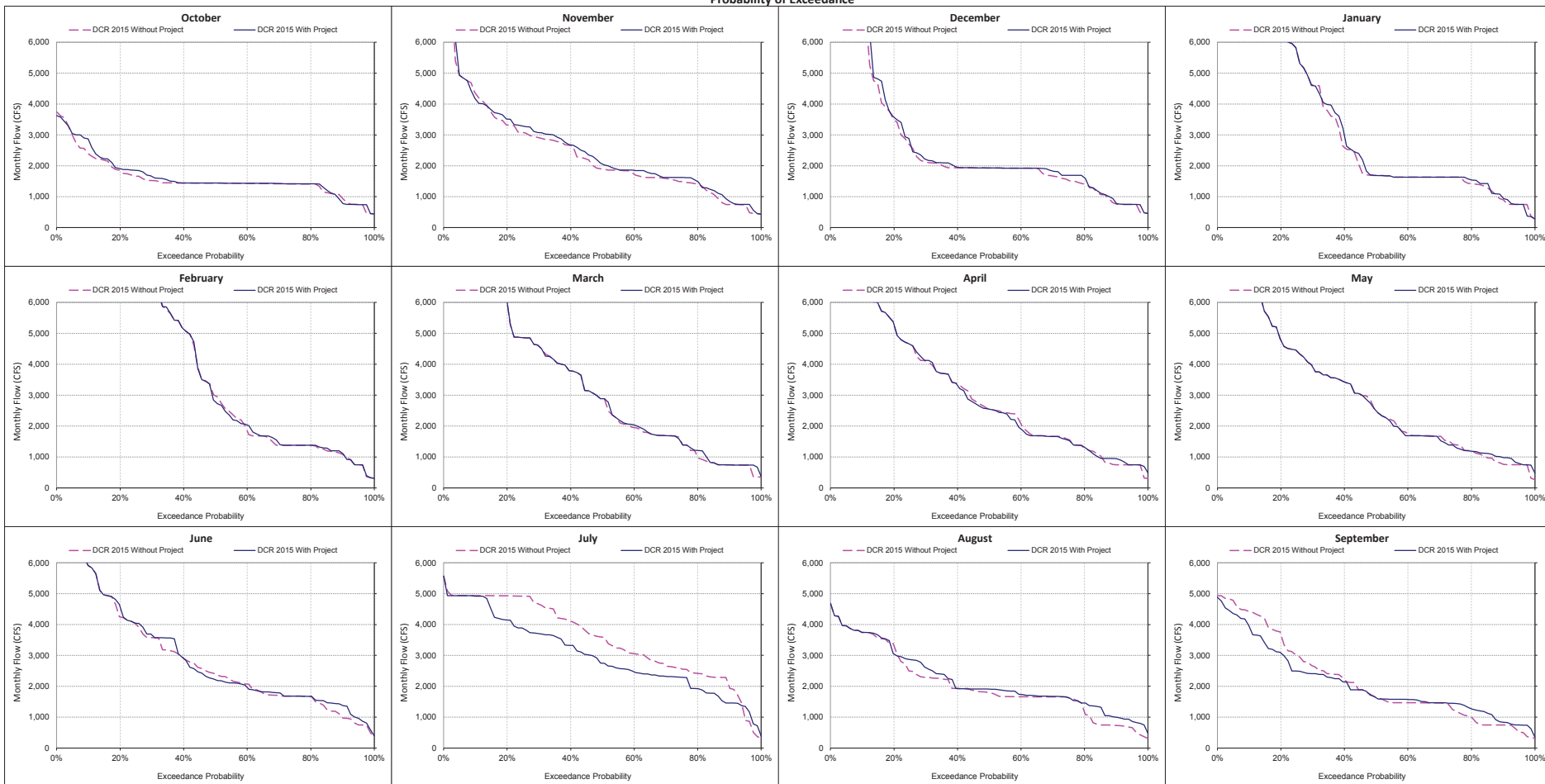


Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,746	3,624	-122	-3.3%
1.2%	3,618	3,577	-41	-1.1%
2.5%	3,552	3,425	-127	-3.6%
3.7%	3,286	3,293	7	0.2%
4.9%	3,000	3,040	40	1.3%
6.2%	2,729	3,000	271	9.9%
7.4%	2,575	2,999	424	16.4%
8.6%	2,565	2,902	337	13.1%
9.9%	2,390	2,875	484	20.3%
11.1%	2,306	2,586	280	12.1%
12.3%	2,230	2,387	157	7.0%
13.6%	2,227	2,280	53	2.4%
14.8%	2,184	2,227	43	2.0%
16.0%	2,153	2,225	72	3.3%
17.3%	1,966	2,111	145	7.4%
18.5%	1,881	1,942	62	3.3%
19.8%	1,857	1,917	60	3.2%
21.0%	1,754	1,883	129	7.4%
22.2%	1,743	1,861	118	7.9%
23.5%	1,704	1,860	156	9.2%
24.7%	1,663	1,858	194	11.7%
25.9%	1,660	1,846	186	11.2%
27.2%	1,579	1,802	223	14.1%
28.4%	1,531	1,699	168	11.0%
29.6%	1,444	1,674	150	9.9%
30.9%	1,521	1,605	84	5.5%
32.1%	1,497	1,600	103	6.9%
33.3%	1,450	1,586	137	9.4%
34.6%	1,448	1,558	109	7.5%
35.8%	1,448	1,506	58	4.0%
37.0%	1,444	1,498	54	3.7%
38.3%	1,443	1,450	7	0.5%
39.5%	1,443	1,442	-1	0.0%
40.7%	1,441	1,442	0	0.0%
42.0%	1,441	1,441	0	0.0%
43.2%	1,439	1,440	1	0.1%
44.4%	1,439	1,440	1	0.0%
45.7%	1,439	1,439	0	0.0%
46.9%	1,439	1,439	0	0.0%
48.1%	1,439	1,439	0	0.0%
49.4%	1,439	1,439	0	0.0%
50.6%	1,439	1,439	0	0.0%
51.9%	1,438	1,439	0	0.0%
53.1%	1,438	1,438	0	0.0%
54.3%	1,438	1,438	0	0.0%
55.6%	1,437	1,438	1	0.1%
56.8%	1,437	1,438	1	0.1%
58.0%	1,436	1,438	2	0.1%
59.3%	1,435	1,438	3	0.2%
60.5%	1,431	1,438	7	0.5%
61.7%	1,429	1,435	6	0.4%
63.0%	1,428	1,432	4	0.3%
64.2%	1,427	1,432	5	0.3%
65.4%	1,425	1,431	6	0.4%
66.7%	1,423	1,430	8	0.6%
67.9%	1,419	1,430	11	0.8%
69.1%	1,419	1,424	5	0.4%
70.4%	1,418	1,422	4	0.3%
71.6%	1,415	1,420	5	0.4%
72.8%	1,413	1,420	7	0.5%
74.1%	1,413	1,420	7	0.5%
75.3%	1,412	1,415	3	0.2%
76.5%	1,410	1,415	5	0.4%
77.8%	1,410	1,414	4	0.3%
79.0%	1,409	1,414	4	0.3%
80.2%	1,409	1,413	4	0.3%
81.5%	1,408	1,413	5	0.3%
82.7%	1,334	1,410	76	5.7%
84.0%	1,152	1,284	143	12.4%
85.2%	1,131	1,202	72	6.4%
86.4%	1,101	1,116	15	1.3%
87.7%	1,073	1,076	3	0.3%
88.9%	1,072	933	-139	-13.0%
90.1%	933	779	-154	-16.5%
91.4%	819	751	-69	-8.4%
92.6%	753	748	-5	-0.6%
93.8%	748	747	-1	-0.2%
95.1%	748	745	-3	-0.5%
96.3%	747	742	-5	-0.6%
97.5%	459	739	280	61.1%
98.8%	458	448	-9	-2.0%
100.0%	439	439	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,909	16,492	1,583	10.6%
1.2%	13,833	15,833	0	0.0%
2.5%	7,651	7,651	0	0.0%
3.7%	5,995	6,119	724	13.4%
4.9%	4,935	4,934	-1	0.0%
6.2%	4,838	4,838	0	0.0%
7.4%	4,761	4,752	-9	-0.2%
8.6%	4,690	4,445	-244	-5.2%
9.9%	4,361	4,182	-179	-4.1%
11.1%	4,197	4,016	-181	-4.3%
12.3%	4,090	4,014	-76	-1.9%
13.6%	3,954	3,943	-11	-0.3%
14.8%	3,756	3,825	69	1.8%
16.0%	3,572	3,720	149	4.2%
17.3%	3,484	3,691	207	5.9%
18.5%	3,470	3,651	181	5.2%
19.8%	3,322	3,515	193	5.8%
21.0%	3,315	3,507	192	5.8%
22.2%	3,296	3,537	40	1.2%
23.5%	3,091	3,315	224	7.3%
24.7%	3,089	3,294	205	6.6%
25.9%	3,057	3,264	207	6.8%
27.2%	2,981	3,256	275	9.2%
28.4%	2,946	3,111	165	5.6%
29.6%	2,916	3,076	159	5.4%
30.9%	2,888	3,073	186	6.4%
32.1%	2,852	3,024	172	6.0%
33.3%	2,846	3,020	174	6.1%
34.6%	2,824	3,003	179	6.3%
35.8%	2,784	2,927	143	5.1%
37.0%	2,765	2,871	106	3.8%
38.3%	2,678	2,759	81	3.0%
39.5%	2,667	2,687	20	0.7%
40.7%	2,632	2,670	38	1.4%
42.0%	2,289	2,601	312	13.6%
43.2%	2,271	2,500	229	10.1%
44.4%	2,235	2,465	230	10.3%
45.7%	2,190	2,349	159	7.3%
46.9%	2,015	2,309	294	14.6%
48.1%	1,926	2,201	275	14.3%
49.4%	1,905	2,084	179	9.4%
50.6%	1,884	2,024	140	7.4%
51.9%	1,862	2,001	138	7.4%
53.1%	1,862	1,936	74	4.0%
54.3%	1,862	1,894	32	1.7%
55.6%	1,855	1,862	7	0.4%
56.8%	1,843	1,862	19	1.0%
58.0%	1,843	1,862	20	1.1%
59.3%	1,778	1,860	81	4.6%
60.5%	1,696	1,844	148	8.8%
61.7%	1,665	1,843	178	10.7%
63.0%	1,626	1,842	216	13.3%
64.2%	1,621	1,795	164	10.1%
65.4%	1,621	1,750	129	8.0%
66.7%	1,620	1,742	122	7.5%
67.9%	1,618	1,675	57	3.5%
69.1%	1,601	1,621	19	1.2%
70.4%	1,586	1,621	34	2.2%
71.6%	1,553	1,621	67	4.3%
72.8%	1,536	1,621	85	5.5%
74.1%	1,492	1,621	128	8.6%
75.3%	1,491	1,618	127	8.5%
76.5%	1,459	1,617	159	10.9%
77.8%	1,448	1,617	168	11.6%
79.0%	1,427	1,548	121	8.5%
80.2%	1,398	1,475	78	5.6%
81.5%	1,330	1,290	-40	-3.0%
82.7%	1,206	1,287	81	6.7%
84.0%	1,143	1,241	98	8.6%
85.2%	1,064	1,195	131	12.4%
86.4%	936	1,108	172	18.3%
87.7%	807	1,068	262	32.4%
88.9%	747	936	190	25.4%
90.1%	746	841	95	12.7%
91.4%	746	776	30	4.0%
92.6%	746	748	0	0.0%
93.8%	740	747	6	0.8%
95.1%	740	747	6	0.9%
96.3%	482	746	264	54.7%
97.5%	453	564	111	24.6%
98.8%	453	453	0	0.0%
100.0%	434	436	2	0.3%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,188	20,381	1,193	6.2%
1.2%	16,345	16,345	0	0.0%
2.5%	16,000	16,268	268	1.7%
3.7%	15,694	15,680	-14	-0.1%
4.9%	15,734	13,728	-6	0.0%
6.2%	12,763	12,684	-79	-0.6%
7.4%	9,632	9,632	0	0.0%
8.6%	8,659	8,645	-14	-0.2%
9.9%	7,208	7,202	-6	-0.1%
11.1%	6,865	6,850	-14	-0.2%
12.3%	5,265	6,322	1,057	20.1%
13.6%	4,755	4,864	109	2.3%
14.8%	4,683	4,818	135	2.9%
16.0%	4,046	4,735	689	17.0%
17.3%	3,909	4,136	227	5.8%
18.5%	3,774	3,772	-2	-0.1%
19.8%	3,522	3,596	74	2.1%
21.0%	3,403	3,492	90	2.6%
22.2%	2,997	3,403	405	13.5%
23.5%	2,882	2,938	56	1.9%
24.7%	2,697	2,889	192	7.1%
25.9%	2,554	2,457	-97	-3.8%
27.2%	2,296	2,420	124	5.4%
28.4%	2,173	2,351	179	8.2%
29.6%	2,132	2,132	0	0.0%
30.9%	2,104	2,168	64	3.0%
32.1%	2,094	2,162	67	3.2%
33.3%	2,089	2,104	15	0.7%
34.6%	2,047	2,101	54	2.6%
35.8%	1,978	2,090	112	5.7%
37.0%	1,936	2,089	154	7.9%
38.3%	1,936	2,034	98	5.1%
39.5%	1,936	1,965	29	1.5%
40.7%	1,936	1,936	0	0.0%
42.0%	1,935	1,936	0	0.0%
43.2%	1,936	1,936	0	0.0%
44.4%	1,934	1,935	1	0.1%
45.7%	1,932	1,935	3	0.1%
46.9%	1,932	1,935	3	0.1%
48.1%	1,932	1,934	3	0.1%
49.4%	1,928	1,932	4	0.2%
50.6%	1,927	1,930	3	0.1%
51.9%	1,927	1,928	2	0.1%
53.1%	1,927	1,928	1	0.0%
54.3%	1,927	1,926	0	0.0%
55.6%	1,926	1,926	-1	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,923	-1	-0.1%
60.5%	1,923	1,923	0	0.0%
61.7%	1,923	1,923	0	0.0%
63.0%	1,923	1,923	0	0.0%
64.2%	1,911	1,921	10	0.5%
65.4%	1,909	1,920	11	0.6%
66.7%	1,765	1,917	152	8.6%
67.9%	1,688	1,909	221	13.1%
69.1%	1,688	1,856	168	10.0%
70.4%	1,661	1,821	159	9.6%
71.6%	1,641	1,812	170	10.4%
72.8%	1,596	1,688	91	5.7%
74.1%	1,573	1,688	115	7.3%
75.3%	1,514	1,688	174	11.5%
76.5%	1,513	1,688	175	11.6%
77.8%	1,468	1,688	219	14.9%
79.0%	1,429	1,688	259	18.1%
80.2%	1,400	1,589	189	13.5%
81.5%	1,332	1,294	-39	-2.9%
82.7%	1,272	1,289	17	1.4%
84.0%	1,145	1,197	52	4.5%
85.2%	1,066	1,110	44	4.1%
86.4%	1,064	1,070	7	0.6%
87.7%	938	1,007	69	7.4%
88.9%	808	938	129	16.0%
90.1%	755	778	23	3.1%
91.4%	748	745	-3	-0.4%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	746	-2	-0.3%
97.5%	494	741	248	50.2

Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,620	32,619	-1	0.0%
1.2%	16,127	16,122	-5	0.0%
2.5%	13,655	13,655	0	0.0%
3.7%	13,551	13,551	0	0.0%
4.9%	13,263	13,263	0	0.0%
6.2%	13,074	13,076	2	0.0%
7.4%	12,997	12,992	-5	0.0%
8.6%	12,698	12,700	3	0.0%
9.9%	12,360	12,357	-3	0.0%
11.1%	11,510	11,510	0	0.0%
12.3%	10,530	10,528	-3	0.0%
13.6%	10,511	10,512	0	0.0%
14.8%	10,161	10,161	0	0.0%
16.0%	10,104	10,137	33	0.3%
17.3%	9,954	9,954	0	0.0%
18.5%	9,911	9,911	0	0.0%
19.8%	9,435	9,435	0	0.0%
21.0%	8,305	8,485	181	2.2%
22.2%	7,556	7,556	0	0.0%
23.5%	7,508	7,508	0	0.0%
24.7%	7,405	7,405	0	0.0%
25.9%	7,389	7,389	0	0.0%
27.2%	7,034	7,021	-13	-0.2%
28.4%	6,875	6,875	0	0.0%
29.6%	6,842	6,842	-200	-2.9%
30.9%	6,642	6,550	-92	-1.4%
32.1%	6,550	6,250	-300	-4.6%
33.3%	5,877	5,868	-9	-0.2%
34.6%	5,771	5,857	86	1.5%
35.8%	5,647	5,647	0	0.0%
37.0%	5,433	5,424	-9	-0.2%
38.3%	5,418	5,418	0	0.0%
39.5%	5,176	5,176	0	0.0%
40.7%	5,067	5,067	0	0.0%
42.0%	4,971	4,971	0	0.0%
43.2%	4,826	4,826	0	0.0%
44.4%	3,913	3,852	-60	-1.5%
45.7%	3,500	3,499	0	0.0%
46.9%	3,446	3,456	10	0.3%
48.1%	3,368	3,368	0	0.0%
49.4%	3,009	2,840	-168	-5.6%
50.6%	2,843	2,724	-118	-4.1%
51.9%	2,737	2,670	-66	-2.4%
53.1%	2,561	2,473	-88	-3.4%
54.3%	2,478	2,351	-127	-5.1%
55.6%	2,358	2,199	-159	-6.7%
56.8%	2,234	2,173	-61	-2.7%
58.0%	2,199	2,081	-118	-5.4%
59.3%	2,015	2,064	48	2.4%
60.5%	1,722	2,016	294	17.1%
61.7%	1,683	1,806	124	7.3%
63.0%	1,680	1,743	62	3.7%
64.2%	1,680	1,693	2	0.1%
65.4%	1,680	1,680	0	0.0%
66.7%	1,625	1,680	55	3.4%
67.9%	1,495	1,625	130	8.7%
69.1%	1,378	1,549	171	12.4%
70.4%	1,378	1,393	15	1.1%
71.6%	1,378	1,378	2	0.2%
72.8%	1,376	1,378	2	0.2%
74.1%	1,376	1,376	0	0.0%
75.3%	1,376	1,376	0	0.0%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,206	-170	-12.4%
81.5%	1,354	1,376	22	1.6%
82.7%	1,267	1,318	51	4.1%
84.0%	1,253	1,293	40	3.2%
85.2%	898	1,287	389	43.3%
86.4%	1,178	1,200	21	1.8%
87.7%	1,164	1,197	33	2.9%
88.9%	1,132	1,197	66	5.8%
90.1%	1,075	1,106	31	2.9%
91.4%	992	914	-79	-7.9%
92.6%	891	912	21	2.4%
93.8%	750	745	-6	-0.8%
95.1%	745	743	-2	-0.3%
96.3%	743	742	-1	-0.1%
97.5%	362	393	30	8.4%
98.8%	326	357	31	9.5%
100.0%	312	312	0	0.0%

Percent Exceedance Probability	March			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,912	17,912	0	0.0%
1.2%	17,277	17,278	0	0.0%
2.5%	12,596	12,596	0	0.0%
3.7%	11,965	11,965	0	0.0%
4.9%	11,110	11,115	5	0.0%
6.2%	10,940	10,940	0	0.0%
7.4%	10,892	10,915	24	0.2%
8.6%	9,655	9,655	0	0.0%
9.9%	8,837	8,837	0	0.0%
11.1%	8,514	8,514	0	0.0%
12.3%	7,582	7,954	372	4.9%
13.6%	7,523	7,582	59	0.8%
14.8%	7,274	7,274	0	0.0%
16.0%	7,038	7,038	0	0.0%
17.3%	6,975	6,975	0	0.0%
18.5%	6,852	6,852	0	0.0%
19.8%	6,188	6,181	-7	-0.1%
21.0%	5,289	5,289	0	0.0%
22.2%	4,879	4,879	0	0.0%
23.5%	4,874	4,874	1	0.0%
24.7%	4,866	4,860	-6	-0.1%
25.9%	4,855	4,855	0	0.0%
27.2%	4,852	4,852	0	0.0%
28.4%	4,644	4,644	0	0.0%
29.6%	4,622	4,622	0	0.0%
30.9%	4,501	4,501	0	0.0%
32.1%	4,325	4,265	-60	-1.4%
33.3%	4,263	4,254	-9	-0.2%
34.6%	4,164	4,164	0	0.0%
35.8%	4,037	4,034	-3	-0.1%
37.0%	4,003	4,003	0	0.0%
38.3%	3,969	3,971	2	0.0%
39.5%	3,795	3,794	-1	0.0%
40.7%	3,775	3,775	0	0.0%
42.0%	3,730	3,730	0	0.0%
43.2%	3,650	3,650	0	0.0%
44.4%	3,153	3,147	-6	-0.2%
45.7%	3,144	3,144	0	0.0%
46.9%	3,070	3,070	0	0.0%
48.1%	2,992	2,995	3	0.1%
49.4%	2,886	2,886	0	0.0%
50.6%	2,883	2,883	0	0.0%
51.9%	2,487	2,771	283	11.4%
53.1%	2,362	2,362	0	0.0%
54.3%	2,266	2,271	5	0.2%
55.6%	2,098	2,171	73	3.5%
56.8%	2,063	2,098	35	1.7%
58.0%	2,062	2,062	0	0.0%
59.3%	1,962	2,056	94	4.8%
60.5%	1,946	2,020	73	3.8%
61.7%	1,903	1,961	58	3.0%
63.0%	1,803	1,903	100	5.5%
64.2%	1,790	1,802	12	0.7%
65.4%	1,735	1,738	3	0.2%
66.7%	1,709	1,709	0	0.0%
67.9%	1,698	1,698	0	0.0%
69.1%	1,692	1,691	-1	-0.1%
70.4%	1,688	1,688	0	0.0%
71.6%	1,683	1,683	0	0.0%
72.8%	1,680	1,680	0	0.0%
74.1%	1,644	1,594	-50	-3.0%
75.3%	1,385	1,385	0	0.0%
76.5%	1,385	1,385	0	0.0%
77.8%	1,212	1,295	83	6.9%
79.0%	1,206	1,212	6	0.5%
80.2%	962	1,206	244	25.4%
81.5%	919	1,201	282	30.7%
82.7%	862	1,009	147	17.1%
84.0%	826	826	0	0.0%
85.2%	808	807	-1	-0.1%
86.4%	749	749	0	0.0%
87.7%	748	748	0	0.0%
88.9%	742	742	1	0.1%
90.1%	741	741	0	0.0%
91.4%	740	740	1	0.1%
92.6%	740	740	0	0.0%
93.8%	740	740	0	0.0%
95.1%	737	740	3	0.4%
96.3%	737	737	0	0.0%
97.5%	357	736	2	0.6%
98.8%	357	617	260	73.1%
100.0%	342	357	16	4.6%

Percent Exceedance Probability	April			
	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,498	15,498	0	0.0%
1.2%	10,296	10,296	0	0.0%
2.5%	9,096	9,096	0	0.0%
3.7%	7,413	7,413	0	0.0%
4.9%	7,296	7,296	0	0.0%
6.2%	7,273	7,273	0	0.0%
7.4%	6,669	6,669	0	0.0%
8.6%	6,651	6,651	0	0.0%
9.9%	6,210	6,210	0	0.0%
11.1%	6,197	6,197	0	0.0%
12.3%	6,116	6,116	0	0.0%
13.6%	6,014	6,045	32	0.5%
14.8%	6,007	5,996	-11	-0.2%
16.0%	5,719	5,719	0	0.0%
17.3%	5,685	5,676	-9	-0.2%
18.5%	5,524	5,524	0	0.0%
19.8%	5,373	5,373	0	0.0%
21.0%	4,931	4,931	0	0.0%
22.2%	4,793	4,793	0	0.0%
23.5%	4,717	4,717	0	0.0%
24.7%	4,668	4,668	0	0.0%
25.9%	4,593	4,593	0	0.0%
27.2%	4,252	4,391	138	3.3%
28.4%	4,123	4,252	129	3.1%
29.6%	4,123	4,123	0	0.0%
30.9%	4,060	4,122	62	1.5%
32.1%	3,969	4,060	91	2.3%
33.3%	3,765	3,765	0	0.0%
34.6%	3,711	3,712	1	0.0%
35.8%	3,699	3,694	-5	-0.1%
37.0%	3,681	3,677	-4	-0.1%
38.3%	3,414	3,414	0	0.0%
39.5%	3,386	3,386	0	0.0%
40.7%	3,318	3,208	-110	-3.3%
42.0%	3,208	3,142	-66	-2.1%
43.2%	3,142	3,142	0	0.0%
44.4%	2,877	2,802	-76	-2.6%
45.7%	2,802	2,720	-82	-2.9%
46.9%	2,720	2,649	-71	-2.6%
48.1%	2,647	2,595	-52	-2.5%
49.4%	2,566	2,557	-9	-0.3%
50.6%	2,538	2,538	0	0.0%
51.9%	2,505	2,505	0	0.0%
53.1%	2,491	2,438	-52	-2.1%
54.3%	2,438	2,431	-8	-0.3%
55.6%	2,431	2,392	-39	-1.6%
56.8%	2,404	2,216	-188	-7.8%
58.0%	2,396	2,201	-195	-8.1%
59.3%	2,216	1,964	-252	-11.4%
60.5%	1,964	1,871	-93	-4.8%
61.7%	1,846	1,739	-107	-5.8%
63.0%	1,737	1,685	-52	-3.0%
64.2%	1,685	1,685	0	0.0%
65.4%	1,685	1,685	0	0.0%
66.7%	1,685	1,683	-2	-0.1%
67.9%	1,683	1,686	-17	-1.0%
69.1%	1,666	1,664	-2	-0.1%
70.4%	1,664	1,664	0	0.0%
71.6%	1,664	1,662	-2	-0.1%
72.8%	1,661	1,597	-64	-3.8%
74.1%	1,597	1,570	-28	-1.7%
75.3%	1,553	1,527	-26	-1.7%
76.5%	1,383	1,384	1	0.1%
77.8%	1,383	1,333	0	0.0%
79.0%	1,364	1,374	11	0.8%
80.2%	1,269	1,293	25	1.9%
81.5%	1,204	1,204	0	0.0%
82.7%	1,185	1,107	-78	-6.6%
84.0%	1,107	1,019	-88	-7.9%
85.2%	1,021	947	-75	-7.3%
86.4%	831	947	116	13.9%
87.7%	811	946	135	16.7%
88.9%	755	946	191	25.3%
90.1%	747	945	199	26.6%
91.4%	747	903	156	20.9%
92.6%	747	831	84	11.3%
93.8%	747	747	0	0.0%
95.1%	747	747	0	0.0%
96.3%	747	747	0	0.0%
97.5%	744	747	3	0.4%
98.8%	315	747	432	137.5%
100.0%	303	484	181	59.9%

Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,697	11,697	0	0.0%	
1.2%	9,696	9,696	0	0.0%	
2.5%	8,994	8,994	0	0.0%	
3.7%	8,329	8,329	0	0.0%	
4.9%	7,988	7,988	0	0.0%	
6.2%	7,514	7,514	0	0.0%	
7.4%	7,499	7,499	0	0.0%	
8.6%	6,193	6,193	0	0.0%	
9.9%	5,911	5,911	0	0.0%	
11.1%	5,835	5,835	0	0.0%	
12.3%	5,647	5,647	0	0.0%	
13.6%	5,109	5,109	0	0.0%	
14.8%	4,964	4,964	0	0.0%	
16.0%	4,937	4,937	0	0.0%	
17.3%	4,903	4,903	0	0.0%	
18.5%	4,656	4,817	161	3.5%	
19.8%	4,252	4,656	404	9.5%	
21.0%	4,222	4,238	16	0.4%	
22.2%	4,136	4,138	3	0.1%	
23.5%	4,107	4,107	0	0.0%	
24.7%	4,038	4,046	8	0.2%	
25.9%	3,907	3,824	131	3.4%	
27.2%	3,691	3,733	222	6.0%	
28.4%	3,577	3,693	116	3.2%	
29.6%	3,578	3,691	115	3.2%	
30.9%	3,572	3,577	5	0.1%	
32.1%	3,561	3,576	15	0.4%	
33.3%	3,184	3,572	389	12.2%	
34.6%	3,176	3,566	390	12.3%	
35.8%	3,149	3,561	412	13.1%	
37.0%	3,120	3,541	421	13.5%	
38.3%	3,048	3,048	0	0.0%	
39.5%	2,938	2,938	0	0.0%	
40.7%	2,851	2,938	-10	-0.3%	
42.0%	2,782	2,614	-168	-6.1%	
43.2%	2,756	2,576	-180	-6.5%	
44.4%	2,614	2,468	-146	-5.6%	
45.7%	2,576	2,424	-152	-5.9%	
46.9%	2,502	2,323	-179	-7.2%	
48.1%	2,449	2,269	-180	-7.4%	
49.4%	2,422	2,237	-185	-7.6%	
50.6%	2,356	2,168	-188	-7.1%	
51.9%	2,320	2,175	-145	-6.2%	
53.1%	2,312	2,137	-176	-7.6%	
54.3%	2,239	2,111	-127	-5.7%	
55.6%	2,162	2,109	-53	-2.4%	
56.8%	2,137	2,104	-32	-1.5%	
58.0%	2,110	2,078	-32	-1.5%	
59.3%	2,078	2,044	-34	-1.6%	
60.5%	2,067	1,901	-167	-8.1%	
61.7%	1,895	1,883	-11	-0.6%	
63.0%	1,885	1,859	-26	-1.4%	
64.2%	1,830	1,830	0	0.0%	
65.4%	1,745	1,815	70	4.0%	
66.7%	1,722	1,815	93	5.4%	
67.9%	1,714	1,797	83	4.9%	
69.1%	1,711	1,795	84	4.9%	
70.4%	1,685	1,758	103	6.1%	
71.6%	1,685	1,685	0	0.0%	
72.8%	1,685	1,685	0	0.0%	
74.1%	1,685	2,296	0	0.0%	
75.3%	1,685	1,685	0	0.0%	
76.5%	1,684	1,685	1	0.1%	
77.8%	1,674	1,684	9	0.6%	
79.0%	1,673	1,674	2	0.1%	
80.2%	1,673	1,673	0	0.0%	
81.5%	1,502	1,551	50	3.3%	
82.7%	1,458	1,538	80	5.5%	
84.0%	1,390	1,538	146	10.5%	
85.2%	1,238	1,489	231	18.7%	
86.4%	1,197	1,455	258	21.6%	
87.7%	1,193	1,439	246	20.6%	
88.9%	1,116	1,436	320	28.7%	
90.1%	966	1,376	410	42.4%	
91.4%	963	1,353	390	40.4%	
92.6%	938	1,094	156	16.8%	
93.8%	809	1,009	200	24.7%	
95.1%	746	959	213	28.5%	
96.3%	746	865	118	15.9%	
97.5%	746	809	62	8.3%	
98.8%	498	584	86	17.2%	
100.0%	323	397	74	22.8%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	5,570	5,570	0	0.0%	
1.2%	5,077	4,937	-140	-2.8%	
2.5%	4,949	4,937	-11	-0.2%	
3.7%	4,937	4,937	0	0.0%	
4.9%	4,937	4,937	0	0.0%	
6.2%	4,937	4,936	-1	0.0%	
7.4%	4,937	4,934	-3	-0.1%	
8.6%	4,937	4,831	-106	-2.1%	
9.9%	4,937	4,921	-16	-0.3%	
11.1%	4,937	4,918	-19	-0.4%	
12.3%	4,936	4,915	-21	-0.4%	
13.6%	4,935	4,842	-94	-1.9%	
14.8%	4,934	4,514	-420	-8.5%	
16.0%	4,933	4,231	-703	-14.2%	
17.3%	4,933	4,196	-737	-14.9%	
18.5%	4,932	4,168	-763	-15.5%	
19.8%	4,931	4,150	-781	-15.8%	
21.0%	4,930	4,137	-793	-16.1%	
22.2%	4,924	3,949	-976	-19.8%	
23.5%	4,921	3,892	-1,029	-20.9%	
24.7%	4,921	3,888	-1,032	-21.0%	
25.9%	4,918	3,824	-1,093	-22.2%	
27.2%	4,915	3,733	-1,182	-24.0%	
28.4%	4,713	3,725	-988	-21.0%	
29.6%	4,678	3,709	-969	-20.7%	
30.9%	4,622	3,690	-931	-20.2%	
32.1%	4,534	3,671	-863	-19.0%	
33.3%	4,526	3,666	-861	-19.0%	
34.6%	4,505	3,638	-867	-19.2%	
35.8%	4,217	3,584	-633	-15.0%	
37.0%	4,196	3,532	-664	-15.8%	
38.3%	4,176	3,331	-845	-20.2%	
39.5%	4,124	3,323	-800	-19.4%	
40.7%	4,080	3,323	-757	-18.5%	
42.0%	4,016	3,148	-868	-21.6%	
43.2%	3,979	3,114	-865	-21.7%	
44.4%	3,818	3,035	-783	-20.5%	
45.7%	3,709	3,020	-688	-18.6%	
46.9%	3,666	2,987	-678	-18.5%	
48.1%	3,620	2,920	-700	-19.3%	
49.4%	3,599	2,754	-845	-23.5%	
50.6%	3,583	2,740	-843	-23.5%	
51.9%	3,380	2,656	-724	-21.4%	
53.1%	3,318	2,648	-670	-20.2%	
54.3%	3,238	2,595	-644	-19.9%	
55.6%	3,235	2,573	-662	-20.5%	
56.8%	3,184	2,566	-618	-19.4%	
58.0%	3,083	2,545	-538	-17.5%	
59.3%	3,069	2,502	-567	-18.5%	
60.5%	3,048	2,446	-603	-19.8%	
61.7%	3,025	2,428	-597	-19.7%	
63.0%	3,021	2,402	-619	-20.5%	
64.2%	2,920	2,402	-518	-17.7%	
65.4%	2,830	2,369	-461	-16.3%	
66.7%	2,811	2,363	-448	-15.9%	
67.9%	2,754	2,335	-420	-15.2%	
69.1%	2,740	2,333	-408	-14.9%	
70.4%	2,648	2,312	-336	-12.7%	
71.6%	2,638	2,311	-326	-12.4%	
72.8%	2,612	2,309	-304	-11.6%	
74.1%	2,595	2,296	-299	-11.5%	
75.3%	2,552	2,290	-262	-10.3%	
76.5%	2,545	2,279	-267	-10.5%	
77.8%	2,446	1,933	-513	-21.0%	
79.0%	2,428	1,932	-496	-20.4%	
80.2%	2,414	1,920	-494	-20.5%	
81.5%	2,402	1,878	-524	-21.8%	
82.7%	2,335	1,781	-554	-23.7%	
84.0%	2,304	1,777	-526	-22.9%	
85.2%	2,291	1,775	-516	-22.5%	
86.4%	2,290	1,683	-608	-26.5%	
87.7%	2,289	1,534	-755	-33.0%	
88.9%	2,285	1,462	-823	-36.0%	
90.1%	1,932	1,456	-476	-24.6%	
91.4%	1,927	1,455	-472	-24.5%	
92.6%	1,714	1,440	-275	-15.9%	
93.8%	1,461	1,370	-90	-6.2%	
95.1%	892	1,348	456	51.1%	
96.3%	864	1,165	300	34.7%	
97.5%	805	786	-19	-2.4%	
98.8%	584	722	138	23.6%	
100.0%	321	384	63	19.6%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,685	4,685	0	0.0%	
1.2%	4,287	4,287	0	0.0%	
2.5%	4,265	4,265	0	0.0%	
3.7%	3,964	3,964	0	0.0%	
4.9%	3,961	3,961	0	0.0%	
6.2%	3,876	3,876	0	0.0%	
7.4%	3,813	3,813	0	0.0%	
8.6%	3,811	3,811	0	0.0%	
9.9%	3,746	3,746	0	0.0%	
11.1%	3,742	3,742	0	0.0%	
12.3%	3,734	3,734	0	0.0%	
13.6%	3,671	3,718	47	1.3%	
14.8%	3,565	3,671	107	3.0%	
16.0%	3,540	3,565	24	0.7%	
17.3%	3,524	3,540	16	0.5%	
18.5%	3,392	3,480	89	2.6%	
19.8%	3,384	3,057	-327	-9.6%	
21.0%	3,031	2,979	-52	-1.7%	
22.2%	2,800	2,800	0	0.0%	
23.5%	2,730	2,866	136	5.0%	
24.7%	2,497	2,876	379	15.2%	
25.9%	2,482	2,853	372	15.0%	
27.2%	2,377	2,835	457	19.2%	
28.4%	2,308	2,781	473	20.5%	
29.6%	2,292	2,623	332	14.5%	
30.9%	2,291	2,557	266	11.6%	
32.1%	2,266	2,504	238	10.5%	
33.3%	2,261	2,412	151	6.7%	
34.6%	2,256	2,404	148	6.5%	
35.8%	2,227	2,386	159	7.1%	
37.0%	2,216	2,247	30	1.4%	
38.3%	1,931	2,225	294	15.2%	
39.5%	1,930	1,929	-1	-0.1%	
40.7%	1,929	1,918	-11	-0.6%	
42.0%	1,927	1,917	-10	-0.5%	
43.2%	1,916	1,916	0	0.0%	
44.4%	1,873	1,916	43	2.3%	
45.7%	1,865	1,915	50	2.7%	
46.9%	1,823	1,912	90	4.9%	
48.1%	1,819	1,909	89	4.9%	
49.4%	1,806	1,909	103	5.7%	
50.6%	1,788	1,807	118	6.6%	
51.9%	1,736	1,906	170	9.8%	
53.1%	1,677	1,887	209	12.5%	
54.3%	1,668	1,868	200	12.0%	
55.6%	1,666	1,849	182	10.9%	
56.8%	1,665	1,848	182	11.0%	
58.0%	1,665	1,842	177	10.6%	
59.3%	1,662	1,740	78	4.7%	
60.5%	1,661	1,734	72	4.3%	
61.7%	1,661	1,708	47	2.8%	
63.0%	1,659	1,706	47	2.8%	
64.2%	1,659	1,702	43	2.6%	
65.4%	1,659	1,685	27	1.6%	
66.7%	1,659	1,682	23	1.4%	
67.9%	1,659	1,679	21	1.3%	
69.1%	1,659	1,671	12	0.7%	
70.4%	1,659	1,671	12	0.7%	

Table SW-29-a  
American River at H Street, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	1,479	2,504	3,177	4,352	5,018	3,847	3,116	3,026	2,811	2,991	1,767	1,944
DCR 2015 With Project	1,530	2,631	3,273	4,402	5,017	3,877	3,115	3,038	2,843	2,529	1,899	1,870
Difference	51	127	96	50	-2	31	-1	12	32	-462	132	-75
Percent Difference <sup>2</sup>	3.4%	5.1%	3.0%	1.2%	0.0%	0.8%	0.0%	0.4%	1.1%	-15.5%	7.4%	-3.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,747	3,678	3,557	8,910	9,352	6,643	5,114	5,242	4,606	3,126	2,598	3,154
DCR 2015 With Project	1,908	3,700	3,581	8,945	9,349	6,643	5,114	5,242	4,609	3,038	2,674	2,884
Difference	161	22	24	35	-3	0	0	0	4	-88	76	-270
Percent Difference	9.2%	0.6%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-2.8%	2.9%	-8.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,342	2,465	2,740	4,581	6,004	5,585	3,218	3,179	2,621	3,781	1,881	2,553
DCR 2015 With Project	1,417	2,688	2,970	4,722	6,010	5,580	3,218	3,179	2,525	3,335	1,890	2,202
Difference	75	223	229	141	6	-4	0	0	-96	-447	9	-350
Percent Difference	5.6%	9.0%	8.4%	3.1%	0.1%	-0.1%	0.0%	0.0%	-3.7%	-11.8%	0.5%	-13.7%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	1,866	3,013	3,923	2,183	3,784	2,398	2,910	2,570	2,049	4,066	1,435	1,368
DCR 2015 With Project	1,776	3,342	3,990	2,275	3,770	2,401	2,976	2,600	2,270	3,015	1,740	1,421
Difference	-91	330	67	91	-13	3	66	30	221	-1,051	305	53
Percent Difference	-4.9%	10.9%	1.7%	4.2%	-0.3%	0.1%	2.3%	1.2%	10.8%	-25.8%	21.2%	3.9%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,312	1,625	3,932	1,474	1,827	1,818	1,806	1,457	1,973	2,436	1,411	1,120
DCR 2015 With Project	1,349	1,723	4,118	1,464	1,818	1,925	1,743	1,440	2,027	1,785	1,557	1,162
Difference	36	98	186	-10	-9	107	-63	-18	54	-652	146	42
Percent Difference	2.8%	6.0%	4.7%	-0.7%	-0.5%	5.9%	-3.5%	-1.2%	2.7%	-26.7%	10.3%	3.7%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	835	725	791	1,093	869	782	887	960	1,258	1,487	776	623
DCR 2015 With Project	810	789	808	1,128	890	834	898	1,032	1,225	1,169	928	924
Difference	-25	64	17	35	21	51	12	72	-32	-318	152	301
Percent Difference	-3.0%	8.8%	2.1%	3.2%	2.4%	6.6%	1.3%	7.5%	-2.6%	-21.4%	19.6%	48.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



Figure SW-29-b  
American River at H Street, Monthly Flow  
Probability of Exceedance

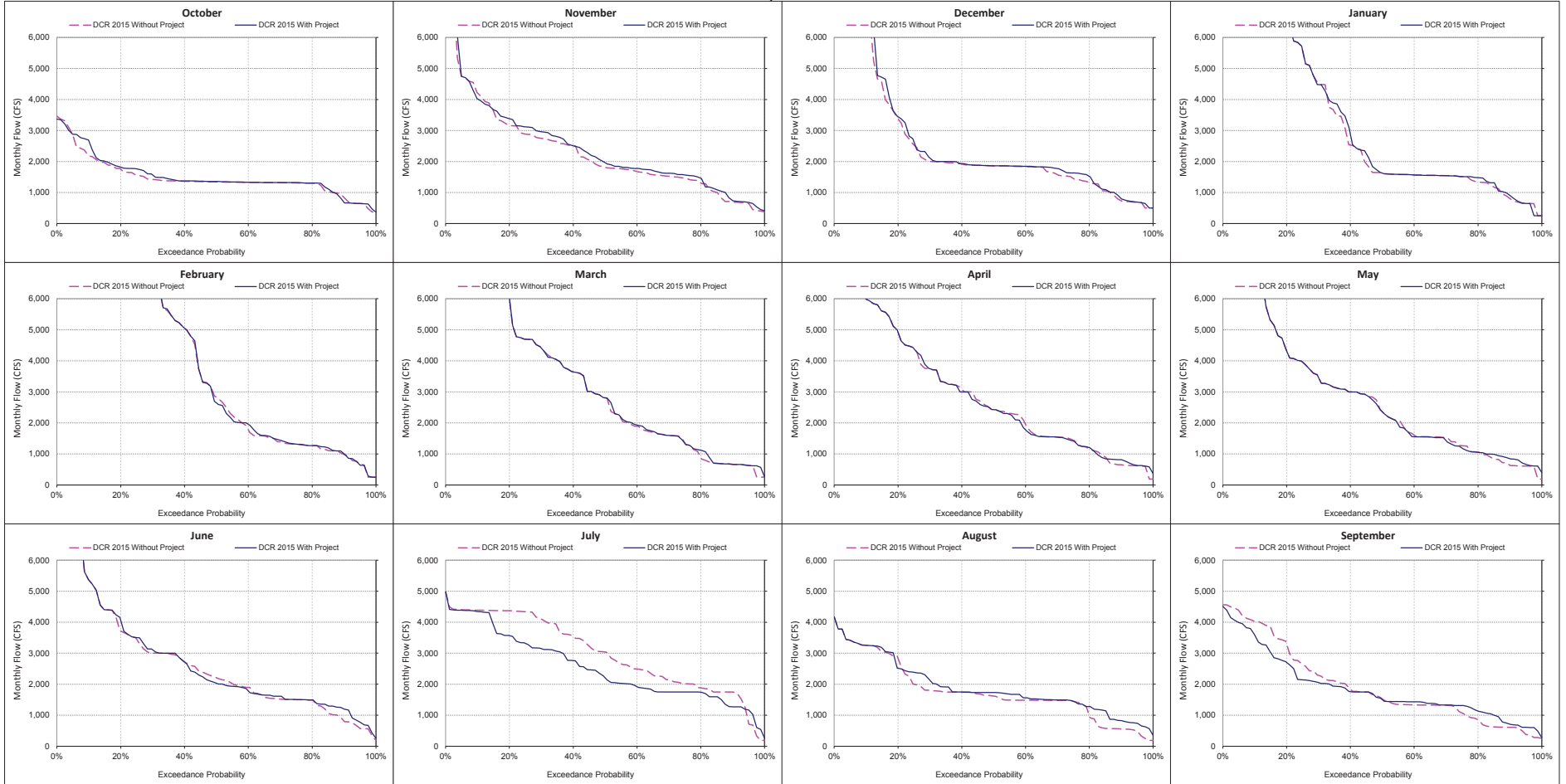




Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,462	3,372	-90	-2.6%
1.2%	3,366	3,340	-26	-0.8%
2.5%	3,315	3,206	-109	-3.3%
3.7%	3,101	3,009	-91	-2.9%
4.9%	2,877	2,877	0	0.0%
6.2%	2,459	2,872	413	16.8%
7.4%	2,431	2,771	340	14.0%
8.6%	2,365	2,734	369	15.6%
9.9%	2,184	2,690	506	23.1%
11.1%	2,154	2,375	222	10.3%
12.3%	2,056	2,116	60	2.9%
13.6%	1,983	1,974	-9	-0.5%
14.8%	1,974	2,019	45	2.3%
16.0%	1,883	1,974	91	4.8%
17.3%	1,879	1,912	33	1.8%
18.5%	1,781	1,861	80	4.5%
19.8%	1,775	1,830	54	3.1%
21.0%	1,663	1,786	123	7.4%
22.2%	1,651	1,781	129	7.8%
23.5%	1,644	1,777	134	8.1%
24.7%	1,562	1,769	208	13.3%
25.9%	1,546	1,746	200	12.9%
27.2%	1,515	1,704	189	12.5%
28.4%	1,434	1,602	168	11.7%
29.6%	1,424	1,588	174	12.2%
30.9%	1,416	1,491	75	5.3%
32.1%	1,401	1,488	87	6.2%
33.3%	1,379	1,484	104	7.6%
34.6%	1,377	1,453	76	5.5%
35.8%	1,376	1,430	54	3.9%
37.0%	1,374	1,402	28	2.0%
38.3%	1,369	1,377	8	0.6%
39.5%	1,365	1,376	11	0.8%
40.7%	1,361	1,373	12	0.9%
42.0%	1,360	1,373	12	0.9%
43.2%	1,355	1,372	17	1.2%
44.4%	1,353	1,365	11	0.8%
45.7%	1,351	1,362	11	0.8%
46.9%	1,345	1,360	14	1.1%
48.1%	1,344	1,356	13	0.9%
49.4%	1,343	1,356	13	0.9%
50.6%	1,339	1,354	15	1.1%
51.9%	1,338	1,352	14	1.1%
53.1%	1,335	1,345	11	0.8%
54.3%	1,334	1,342	8	0.6%
55.6%	1,331	1,340	10	0.7%
56.8%	1,330	1,337	7	0.5%
58.0%	1,329	1,336	7	0.5%
59.3%	1,328	1,335	7	0.5%
60.5%	1,326	1,333	7	0.5%
61.7%	1,326	1,331	6	0.4%
63.0%	1,326	1,330	4	0.3%
64.2%	1,325	1,327	2	0.1%
65.4%	1,325	1,326	2	0.1%
66.7%	1,324	1,326	2	0.1%
67.9%	1,321	1,326	5	0.3%
69.1%	1,321	1,326	5	0.4%
70.4%	1,318	1,325	7	0.6%
71.6%	1,314	1,325	11	0.8%
72.8%	1,312	1,325	13	1.0%
74.1%	1,311	1,323	12	0.9%
75.3%	1,309	1,320	10	0.8%
76.5%	1,305	1,312	7	0.5%
77.8%	1,304	1,310	6	0.4%
79.0%	1,303	1,307	4	0.3%
80.2%	1,298	1,306	8	0.6%
81.5%	1,295	1,304	9	0.7%
82.7%	1,235	1,300	65	5.3%
84.0%	1,080	1,161	121	11.4%
85.2%	1,038	1,110	76	7.3%
86.4%	995	1,015	20	2.0%
87.7%	986	964	-22	-2.2%
88.9%	960	823	-137	-14.3%
90.1%	823	667	-156	-18.9%
91.4%	698	563	-135	-19.3%
92.6%	654	565	-10	-1.4%
93.8%	647	651	3	0.5%
95.1%	646	646	0	0.0%
96.3%	636	636	0	-0.1%
97.5%	478	633	156	32.6%
98.8%	475	470	-5	-1.1%
100.0%	375	375	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,816	16,399	1,583	10.7%
1.2%	13,782	13,782	0	0.0%
2.5%	7,576	7,576	0	0.0%
3.7%	5,330	6,054	724	13.6%
4.9%	4,748	4,747	-1	0.0%
6.2%	4,705	4,705	0	0.0%
7.4%	4,588	4,579	-9	-0.2%
8.6%	4,551	4,304	-248	-5.4%
9.9%	4,230	4,029	-201	-4.8%
11.1%	4,102	3,952	-151	-3.7%
12.3%	3,937	3,851	-86	-2.2%
13.6%	3,889	3,804	-85	-2.2%
14.8%	3,685	3,681	-3	-0.1%
16.0%	3,350	3,626	276	8.2%
17.3%	3,320	3,467	147	4.4%
18.5%	3,246	3,429	183	5.6%
19.8%	3,161	3,384	223	7.0%
21.0%	3,155	3,348	193	6.1%
22.2%	3,146	3,158	12	0.4%
23.5%	2,930	3,144	214	7.3%
24.7%	2,890	3,122	232	8.0%
25.9%	2,874	3,110	236	8.2%
27.2%	2,874	3,096	222	7.7%
28.4%	2,775	2,989	215	7.7%
29.6%	2,753	2,967	214	7.8%
30.9%	2,737	2,948	211	7.7%
32.1%	2,709	2,933	224	8.3%
33.3%	2,668	2,836	169	6.3%
34.6%	2,653	2,813	160	6.0%
35.8%	2,579	2,777	198	7.7%
37.0%	2,573	2,719	146	5.7%
38.3%	2,533	2,566	33	1.3%
39.5%	2,510	2,518	8	0.3%
40.7%	2,499	2,483	-15	-0.6%
42.0%	2,154	2,456	302	14.0%
43.2%	2,145	2,457	312	14.6%
44.4%	2,068	2,287	219	10.6%
45.7%	2,028	2,193	165	8.1%
46.9%	1,921	2,150	229	11.9%
48.1%	1,860	2,064	205	11.0%
49.4%	1,840	2,000	160	8.7%
50.6%	1,826	1,924	98	5.4%
51.9%	1,788	1,897	109	6.1%
53.1%	1,781	1,847	66	3.7%
54.3%	1,773	1,847	74	4.2%
55.6%	1,760	1,809	49	2.8%
56.8%	1,741	1,809	67	3.9%
58.0%	1,732	1,788	56	3.3%
59.3%	1,699	1,781	81	4.8%
60.5%	1,664	1,773	109	6.6%
61.7%	1,650	1,753	103	6.2%
63.0%	1,636	1,741	105	6.4%
64.2%	1,586	1,732	146	9.2%
65.4%	1,569	1,689	120	7.7%
66.7%	1,568	1,667	99	6.3%
67.9%	1,546	1,631	85	5.5%
69.1%	1,531	1,626	95	6.2%
70.4%	1,522	1,625	103	6.8%
71.6%	1,504	1,612	108	7.2%
72.8%	1,496	1,584	88	5.8%
74.1%	1,473	1,577	103	7.0%
75.3%	1,465	1,560	94	6.4%
76.5%	1,412	1,176	-236	-16.8%
77.8%	1,395	1,540	145	10.4%
79.0%	1,390	1,500	111	8.0%
80.2%	1,287	1,451	165	12.8%
81.5%	1,286	1,180	-107	-8.3%
82.7%	1,095	1,176	81	7.4%
84.0%	1,034	1,138	104	10.0%
85.2%	997	1,086	89	9.0%
86.4%	825	1,039	214	25.9%
87.7%	711	1,008	297	41.7%
88.9%	709	825	117	16.4%
90.1%	688	734	46	6.5%
91.4%	653	711	58	8.9%
92.6%	678	709	31	4.6%
93.8%	673	694	22	3.2%
95.1%	643	679	36	5.7%
96.3%	447	649	202	45.1%
97.5%	427	538	112	26.2%
98.8%	402	447	45	11.1%
100.0%	375	404	29	7.7%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,126	20,319	1,193	6.2%
1.2%	16,284	16,284	0	0.0%
2.5%	16,006	16,272	266	1.7%
3.7%	15,609	15,595	-14	-0.1%
4.9%	13,626	13,620	-6	0.0%
6.2%	12,724	12,645	-79	-0.6%
7.4%	9,519	9,519	0	0.0%
8.6%	8,500	8,506	6	0.2%
9.9%	7,108	7,102	-6	0.0%
11.1%	6,749	6,734	-14	-0.2%
12.3%	5,241	6,299	1,057	20.2%
13.6%	4,660	4,775	116	2.5%
14.8%	4,595	4,723	128	2.8%
16.0%	3,990	4,653	663	16.6%
17.3%	3,828	4,080	253	6.6%
18.5%	3,636	3,633	-2	-0.1%
19.8%	3,407	3,463	56	1.6%
21.0%	3,246	3,378	132	4.1%
22.2%	2,991	3,246	255	8.5%
23.5%	2,829	2,842	13	0.5%
24.7%	2,565	2,735	171	6.7%
25.9%	2,448	2,376	-72	-2.9%
27.2%	2,149	2,328	179	8.3%
28.4%	2,089	2,327	237	12.4%
29.6%	2,143	2,143	0	0.0%
30.9%	2,000	2,032	32	1.6%
32.1%	2,009	2,000	-9	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	1,975	2,000	25	1.3%
35.8%	1,959	2,000	41	2.1%
37.0%	1,958	2,000	42	2.2%
38.3%	1,933	1,994	61	3.2%
39.5%	1,932	1,933	1	0.0%
40.7%	1,899	1,933	34	1.8%
42.0%	1,885	1,900	14	0.8%
43.2%	1,884	1,884	0	0.0%
44.4%	1,877	1,884	7	0.4%
45.7%	1,874	1,876	2	0.1%
46.9%	1,872	1,873	1	0.0%
48.1%	1,863	1,871	8	0.4%
49.4%	1,862	1,864	2	0.1%
50.6%	1,864	1,864	0	0.0%
51.9%	1,857	1,860	3	0.2%
53.1%	1,857	1,860	3	0.2%
54.3%	1,856	1,858	2	0.1%
55.6%	1,848	1,857	10	0.5%
56.8%	1,841	1,855	14	0.8%
58.0%	1,840	1,855	15	0.8%
59.3%	1,838	1,847	9	0.5%
60.5%	1,830	1,844	14	0.7%
61.7%	1,829	1,842	13	0.7%
63.0%	1,826	1,832	6	0.3%
64.2%	1,817	1,829	12	0.6%
65.4%	1,813	1,828	16	0.9%
66.7%	1,674	1,818	144	8.6%
67.9%	1,663	1,813	149	9.0%
69.1%	1,623	1,787	165	10.2%
70.4%	1,557	1,765	208	13.3%
71.6%	1,536	1,712	175	11.4%
72.8%	1,532	1,641	108	7.1%
74.1%	1,515	1,629	115	7.6%
75.3%	1,428	1,628	199	14.0%
76.5%	1,421	1,619	198	13.9%
77.8%	1,381	1,595	214	15.5%
79.0%	1,360	1,584	223	16.4%
80.2%	1,313	1,504	191	14.5%
81.5%	1,285	1,287	2	0.2%
82.7%	1,278	1,203	-76	-5.9%
84.0%	1,057	1,106	49	4.6%
85.2%	1,054	1,089	34	3.3%
86.4%	1,011	1,013	3	0.3%
87.7%	914	1,005	92	10.0%
88.9%	794	913	120	15.1%
90.1%	727	794	67	9.2%
91.4%	711	753	42	5.9%
92.6%	684	723	39	5.7%
93.8%	689	704	15	2.2%
95.1%	689	689	0	0.0%

Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	32 621	32 620	-1	0.0%	
1.2%	15 988	15 982	-6	0.0%	
2.5%	13 581	13 581	0	0.0%	
3.7%	13 481	13 481	0	0.0%	
4.9%	13 208	13 208	0	0.0%	
6.2%	13 049	13 051	2	0.0%	
7.4%	12 917	12 912	-5	0.0%	
8.6%	12 729	12 732	3	0.0%	
9.9%	12 219	12 216	-3	0.0%	
11.1%	11 405	11 405	0	0.0%	
12.3%	10 459	10 457	-3	0.0%	
13.6%	10 444	10 444	0	0.0%	
14.8%	10 119	10 132	13	0.1%	
16.0%	10 098	10 119	21	0.2%	
17.3%	9 878	9 878	0	0.0%	
18.5%	9 827	9 827	0	0.0%	
19.8%	9 278	9 278	0	0.0%	
21.0%	8 196	8 377	181	2.2%	
22.2%	7 481	7 481	0	0.0%	
23.5%	7 423	7 423	0	0.0%	
24.7%	7 246	7 246	0	0.0%	
25.9%	7 231	7 231	0	0.0%	
27.2%	6 947	6 934	-13	-0.2%	
28.4%	6 899	6 862	-37	-0.5%	
29.7%	6 682	6 494	-188	-2.8%	
30.9%	6 494	6 374	-119	-1.8%	
32.1%	6 374	6 307	-68	-1.1%	
33.3%	5 686	5 710	24	0.4%	
34.6%	5 625	5 676	52	0.9%	
35.8%	5 465	5 465	0	0.0%	
37.0%	5 305	5 206	-9	-0.2%	
38.3%	5 230	5 230	0	0.0%	
39.5%	5 093	5 093	0	0.0%	
40.7%	4 988	4 988	0	0.0%	
42.0%	4 789	4 789	0	0.0%	
43.2%	4 526	4 526	0	0.0%	
44.4%	3 734	3 737	3	0.1%	
45.7%	3 330	3 303	-27	-0.8%	
46.9%	3 303	3 277	-26	-0.8%	
48.1%	3 186	3 186	0	0.0%	
49.4%	2 867	2 869	2	0.1%	
50.6%	2 780	2 780	0	0.0%	
51.9%	2 664	2 562	-102	-3.8%	
53.1%	2 494	2 298	-194	-7.8%	
54.3%	2 305	2 178	-127	-5.5%	
55.6%	2 184	2 041	-143	-6.6%	
56.8%	2 102	2 014	-89	-4.2%	
58.0%	2 000	2 000	0	0.0%	
59.3%	1 916	2 000	84	4.4%	
60.5%	1 683	1 916	233	13.8%	
61.7%	1 591	1 768	177	11.1%	
63.0%	1 590	1 652	62	3.9%	
64.2%	1 588	1 591	3	0.2%	
65.4%	1 570	1 588	18	1.2%	
66.7%	1 502	1 570	68	4.5%	
67.9%	1 501	1 500	-1	-0.1%	
69.1%	1 392	1 465	73	5.2%	
70.4%	1 388	1 430	43	3.1%	
71.6%	1 341	1 388	48	3.5%	
72.8%	1 325	1 341	16	1.2%	
74.1%	1 314	1 325	11	0.8%	
75.3%	1 313	1 303	-10	-0.8%	
76.5%	1 291	1 313	22	1.7%	
77.8%	1 282	1 282	0	0.0%	
79.0%	1 271	1 271	0	0.0%	
80.2%	1 269	1 269	0	0.0%	
81.5%	1 266	1 266	0	0.0%	
82.7%	1 159	1 232	73	6.3%	
84.0%	1 151	1 225	73	6.4%	
85.2%	1 103	1 187	85	7.7%	
86.4%	1 098	1 114	16	1.5%	
87.7%	1 095	1 100	5	0.4%	
88.9%	1 034	1 100	65	6.3%	
90.1%	975	990	15	1.6%	
91.4%	852	852	-0	-0.0%	
92.6%	783	850	68	8.6%	
93.8%	761	761	0	0.0%	
95.1%	687	634	-53	-7.7%	
96.3%	634	634	-1	-0.1%	
97.5%	250	280	30	12.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	17 900	17 900	0	0.0%	
1.2%	17 249	17 249	0	0.0%	
2.5%	12 500	12 500	0	0.0%	
3.7%	11 847	11 847	0	0.0%	
4.9%	11 004	11 009	5	0.0%	
6.2%	10 843	10 843	0	0.0%	
7.4%	10 784	10 807	24	0.2%	
8.6%	9 559	9 559	0	0.0%	
9.9%	8 781	8 781	0	0.0%	
11.1%	8 378	8 378	0	0.0%	
12.3%	7 459	7 890	430	5.8%	
13.6%	7 443	7 443	0	0.0%	
14.8%	7 178	7 178	0	0.0%	
16.0%	6 893	6 893	0	0.0%	
17.3%	6 869	6 869	0	0.0%	
18.5%	6 742	6 742	0	0.0%	
19.8%	6 240	6 232	-7	-0.1%	
21.0%	5 142	5 142	0	0.0%	
22.2%	4 776	4 777	1	0.0%	
23.5%	4 750	4 750	0	0.0%	
24.7%	4 699	4 699	0	0.0%	
25.9%	4 695	4 689	-6	-0.1%	
27.2%	4 687	4 687	0	0.0%	
28.4%	4 523	4 523	0	0.0%	
29.7%	4 460	4 460	0	0.0%	
30.9%	4 311	4 311	0	0.0%	
32.1%	4 188	4 117	-71	-1.7%	
33.3%	4 098	4 100	2	0.0%	
34.6%	4 048	4 048	0	0.0%	
35.8%	3 978	3 975	-3	-0.1%	
37.0%	3 791	3 791	0	0.0%	
38.3%	3 734	3 736	2	0.1%	
39.5%	3 658	3 657	-1	-0.0%	
40.7%	3 627	3 627	0	0.0%	
42.0%	3 602	3 602	0	0.0%	
43.2%	3 521	3 521	0	0.0%	
44.4%	3 018	3 014	-4	-0.1%	
45.7%	3 014	3 011	-3	-0.1%	
46.9%	2 940	2 940	0	0.0%	
48.1%	2 907	2 910	3	0.1%	
49.4%	2 816	2 816	0	0.0%	
50.6%	2 796	2 796	0	0.0%	
51.9%	2 366	2 650	283	12.0%	
53.1%	2 298	2 298	0	0.0%	
54.3%	2 252	2 258	6	0.3%	
55.6%	2 037	2 107	70	3.5%	
56.8%	2 015	2 037	22	1.1%	
58.0%	1 956	2 014	58	3.0%	
59.3%	1 892	1 949	57	3.0%	
60.5%	1 882	1 921	39	2.1%	
61.7%	1 778	1 890	113	6.3%	
63.0%	1 745	1 778	33	1.9%	
64.2%	1 712	1 745	33	1.9%	
65.4%	1 692	1 711	19	1.1%	
66.7%	1 644	1 644	0	0.0%	
67.9%	1 632	1 631	-1	-0.1%	
69.1%	1 602	1 605	3	0.2%	
70.4%	1 593	1 593	0	0.0%	
71.6%	1 584	1 584	0	0.0%	
72.8%	1 577	1 577	0	0.0%	
74.1%	1 517	1 467	-50	-3.3%	
75.3%	1 303	1 303	0	0.0%	
76.5%	1 276	1 276	0	0.0%	
77.8%	1 140	1 169	29	2.5%	
79.0%	1 079	1 140	61	5.6%	
80.2%	837	1 114	277	33.2%	
81.5%	792	1 074	283	35.7%	
82.7%	735	884	149	20.2%	
84.0%	701	701	0	0.0%	
85.2%	694	692	-2	-0.3%	
86.4%	684	684	0	0.0%	
87.7%	680	680	0	0.0%	
88.9%	675	675	0	0.0%	
90.1%	663	663	0	0.0%	
91.4%	657	657	0	0.0%	
92.6%	657	657	0	0.0%	
93.8%	642	641	-1	-0.1%	
95.1%	627	627	0	0.0%	
96.3%	616	616	0	0.0%	
97.5%	250	615	365	145.9%	
98.8%	250	565	315	126.0%	
100.0%	250	250	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15 357	15 357	0	0.0%	
1.2%	10 135	10 135	0	0.0%	
2.5%	8 724	8 724	0	0.0%	
3.7%	7 058	7 058	0	0.0%	
4.9%	6 976	6 976	0	0.0%	
6.2%	6 931	6 931	0	0.0%	
7.4%	6 492	6 492	0	0.0%	
8.6%	6 273	6 273	0	0.0%	
9.9%	5 999	5 999	0	0.0%	
11.1%	5 896	5 928	32	0.5%	
12.3%	5 843	5 843	0	0.0%	
13.6%	5 807	5 807	0	0.0%	
14.8%	5 616	5 605	-11	-0.2%	
16.0%	5 567	5 567	0	0.0%	
17.3%	5 427	5 417	-9	-0.2%	
18.5%	5 118	5 118	0	0.0%	
19.8%	4 997	4 996	-1	-0.0%	
21.0%	4 640	4 640	0	0.0%	
22.2%	4 508	4 508	0	0.0%	
23.5%	4 478	4 478	0	0.0%	
24.7%	4 433	4 432	-1	-0.0%	
25.9%	4 284	4 284	0	0.0%	
27.2%	3 886	4 174	288	7.4%	
28.4%	3 755	3 886	131	3.5%	
29.7%	3 753	3 753	0	0.0%	
30.9%	3 711	3 711	0	0.0%	
32.1%	3 706	3 706	0	0.0%	
33.3%	3 334	3 335	1	0.0%	
34.6%	3 310	3 310	0	0.0%	
35.8%	3 252	3 247	-5	-0.2%	
37.0%	3 244	3 240	-4	-0.1%	
38.3%	3 214	3 214	0	0.0%	
39.5%	3 153	3 000	-153	-4.9%	
40.7%	3 000	3 000	0	0.0%	
42.0%	3 000	3 000	0	0.0%	
43.2%	3 000	3 000	0	0.0%	
44.4%	2 708	2 708	0	0.0%	
45.7%	2 708	2 598	-110	-4.1%	
46.9%	2 598	2 540	-58	-2.2%	
48.1%	2 526	2 528	2	0.1%	
49.4%	2 433	2 433	0	0.0%	
50.6%	2 428	2 419	-9	-0.4%	
51.9%	2 375	2 372	-3	-0.1%	
53.1%	2 372	2 302	-70	-2.9%	
54.3%	2 302	2 302	0	0.0%	
55.6%	2 302	2 255	-47	-2.0%	
56.8%	2 273	2 097	-176	-7.7%	
58.0%	2 267	2 085	-182	-8.0%	
59.3%	2 097	1 848	-249	-11.9%	
60.5%	1 848	1 734	-115	-6.2%	
61.7%	1 709	1 624	-84	-4.9%	
63.0%	1 624	1 601	-24	-1.5%	
64.2%	1 599	1 599	0	0.0%	
65.4%	1 555	1 554	-1	-0.1%	
66.7%	1 554	1 551	-3	-0.2%	
67.9%	1 551	1 550	-1	-0.1%	
69.1%	1 550	1 546	-4	-0.2%	
70.4%	1 546	1 532	-14	-0.9%	
71.6%	1 524	1 524	0	0.0%	
72.8%	1 524	1 482	-42	-2.7%	
74.1%	1 482	1 439	-43	-2.9%	
75.3%	1 428	1 404	-25	-1.7%	
76.5%	1 276				

Table SW-29-b  
American River at H Street, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,103	11,103	0	0.0%	
1.2%	9,175	9,175	0	0.0%	
2.5%	8,378	8,378	0	0.0%	
3.7%	7,803	7,803	0	0.0%	
4.9%	7,453	7,453	0	0.0%	
6.2%	6,945	6,945	0	0.0%	
7.4%	6,933	6,933	0	0.0%	
8.6%	5,620	5,620	0	0.0%	
9.9%	5,368	5,368	0	0.0%	
11.1%	5,225	5,225	0	0.0%	
12.3%	5,025	5,025	0	0.0%	
13.6%	4,552	4,552	0	0.0%	
14.8%	4,406	4,406	0	0.0%	
16.0%	4,396	4,396	0	0.0%	
17.3%	4,386	4,386	0	0.0%	
18.5%	4,159	4,242	83	2.0%	
19.8%	3,727	4,159	433	11.6%	
21.0%	3,664	3,713	49	1.3%	
22.2%	3,604	3,607	3	0.1%	
23.5%	3,527	3,527	0	0.0%	
24.7%	3,498	3,501	3	0.1%	
25.9%	3,303	3,498	195	5.9%	
27.2%	3,137	3,309	172	5.6%	
28.4%	3,041	3,137	96	3.2%	
29.6%	3,000	3,135	135	4.5%	
30.9%	3,000	3,041	41	1.4%	
32.1%	3,000	3,000	0	0.0%	
33.3%	3,000	3,000	0	0.0%	
34.6%	3,000	3,000	0	0.0%	
35.8%	2,966	3,000	34	1.1%	
37.0%	2,948	3,000	52	1.8%	
38.3%	2,865	2,865	0	0.0%	
39.5%	2,756	2,756	0	0.0%	
40.7%	2,666	2,659	-8	-0.3%	
42.0%	2,600	2,428	-171	-6.6%	
43.2%	2,578	2,361	-217	-8.4%	
44.4%	2,428	2,298	-131	-5.4%	
45.7%	2,391	2,241	-149	-6.2%	
46.9%	2,332	2,144	-189	-8.1%	
48.1%	2,278	2,099	-179	-7.9%	
49.4%	2,239	2,060	-179	-8.0%	
50.6%	2,179	2,006	-173	-7.9%	
51.9%	2,141	2,003	-137	-6.4%	
53.1%	2,130	1,958	-172	-8.1%	
54.3%	2,056	1,940	-117	-5.7%	
55.6%	1,982	1,926	-56	-2.8%	
56.8%	1,958	1,922	-36	-1.8%	
58.0%	1,926	1,894	-32	-1.7%	
59.3%	1,898	1,862	-36	-1.9%	
60.5%	1,894	1,720	-174	-9.2%	
61.7%	1,715	1,701	-14	-0.8%	
63.0%	1,703	1,694	-9	-1.1%	
64.2%	1,653	1,653	0	0.0%	
65.4%	1,573	1,645	72	4.6%	
66.7%	1,547	1,643	96	6.2%	
67.9%	1,541	1,615	75	4.8%	
69.1%	1,532	1,614	82	5.4%	
70.4%	1,513	1,613	99	6.6%	
71.6%	1,511	1,513	2	0.1%	
72.8%	1,506	1,506	0	0.0%	
74.1%	1,506	1,506	0	0.0%	
75.3%	1,503	1,504	1	0.1%	
76.5%	1,501	1,503	2	0.1%	
77.8%	1,492	1,502	11	0.7%	
79.0%	1,490	1,492	2	0.1%	
80.2%	1,490	1,490	0	0.0%	
81.5%	1,320	1,372	52	4.0%	
82.7%	1,297	1,356	59	4.6%	
84.0%	1,208	1,352	143	11.8%	
85.2%	1,056	1,204	238	22.6%	
86.4%	1,015	1,293	278	27.3%	
87.7%	1,011	1,259	247	24.5%	
88.9%	939	1,255	315	33.6%	
90.1%	793	1,194	402	50.7%	
91.4%	717	1,170	453	63.2%	
92.6%	755	912	157	20.8%	
93.8%	669	838	169	25.3%	
95.1%	569	777	207	36.4%	
96.3%	565	688	123	21.8%	
97.5%	564	669	105	18.5%	
98.8%	439	425	-14	-3.2%	
100.0%	188	262	74	39.2%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,974	4,974	0	0.0%	
1.2%	4,491	4,413	-78	-1.7%	
2.5%	4,417	4,399	-18	-0.4%	
3.7%	4,413	4,388	-25	-0.6%	
4.9%	4,399	4,386	-13	-0.3%	
6.2%	4,397	4,382	-16	-0.4%	
7.4%	4,396	4,375	-21	-0.5%	
8.6%	4,388	4,372	-17	-0.4%	
9.9%	4,388	4,347	-41	-0.9%	
11.1%	4,386	4,329	-47	-1.1%	
12.3%	4,384	4,321	-63	-1.4%	
13.6%	4,382	4,308	-74	-1.7%	
14.8%	4,378	3,949	-428	-9.8%	
16.0%	4,375	3,637	-739	-16.9%	
17.3%	4,375	3,628	-747	-17.1%	
18.5%	4,372	3,576	-795	-18.2%	
19.8%	4,370	3,576	-794	-18.2%	
21.0%	4,367	3,537	-830	-19.0%	
22.2%	4,356	3,387	-969	-22.2%	
23.5%	4,347	3,344	-1,003	-23.1%	
24.7%	4,339	3,332	-1,007	-23.2%	
25.9%	4,339	3,271	-1,068	-24.6%	
27.2%	4,321	3,173	-1,148	-26.6%	
28.4%	4,164	3,170	-993	-23.9%	
29.6%	4,126	3,159	-967	-23.5%	
30.9%	4,051	3,121	-931	-23.0%	
32.1%	3,974	3,119	-856	-21.5%	
33.3%	3,970	3,107	-863	-21.7%	
34.6%	3,944	3,072	-873	-22.1%	
35.8%	3,664	3,046	-618	-16.9%	
37.0%	3,615	2,980	-635	-17.6%	
38.3%	3,608	2,769	-839	-23.3%	
39.5%	3,576	2,766	-810	-22.7%	
40.7%	3,480	2,755	-725	-20.8%	
42.0%	3,476	2,568	-908	-26.1%	
43.2%	3,456	2,482	-974	-28.2%	
44.4%	3,280	2,471	-808	-24.6%	
45.7%	3,159	2,465	-695	-22.0%	
46.9%	3,072	2,454	-618	-20.1%	
48.1%	3,055	2,357	-698	-22.8%	
49.4%	3,047	2,269	-778	-25.5%	
50.6%	3,029	2,135	-893	-29.5%	
51.9%	2,846	2,057	-789	-27.7%	
53.1%	2,722	2,051	-672	-24.6%	
54.3%	2,693	2,036	-657	-24.4%	
55.6%	2,633	2,027	-606	-23.0%	
56.8%	2,625	2,016	-609	-23.2%	
58.0%	2,553	2,008	-545	-21.4%	
59.3%	2,493	1,962	-531	-21.3%	
60.5%	2,486	1,897	-589	-23.7%	
61.7%	2,462	1,879	-583	-23.7%	
63.0%	2,450	1,864	-586	-23.9%	
64.2%	2,357	1,843	-514	-21.8%	
65.4%	2,269	1,769	-500	-22.1%	
66.7%	2,264	1,751	-514	-22.7%	
67.9%	2,251	1,750	-501	-22.2%	
69.1%	2,153	1,750	-403	-18.7%	
70.4%	2,135	1,750	-385	-18.0%	
71.6%	2,076	1,750	-326	-15.7%	
72.8%	2,064	1,750	-314	-15.2%	
74.1%	2,027	1,750	-277	-13.7%	
75.3%	2,016	1,750	-266	-13.2%	
76.5%	2,008	1,750	-258	-12.8%	
77.8%	2,007	1,750	-257	-12.8%	
79.0%	1,897	1,750	-147	-7.7%	
80.2%	1,879	1,738	-140	-7.5%	
81.5%	1,857	1,696	-161	-8.7%	
82.7%	1,843	1,598	-245	-13.3%	
84.0%	1,750	1,595	-155	-8.9%	
85.2%	1,750	1,592	-158	-9.0%	
86.4%	1,750	1,501	-249	-14.2%	
87.7%	1,750	1,352	-398	-22.7%	
88.9%	1,750	1,280	-470	-26.9%	
90.1%	1,750	1,275	-475	-27.2%	
91.4%	1,712	1,274	-438	-25.6%	
92.6%	1,532	1,268	-264	-17.3%	
93.8%	1,279	1,190	-89	-7.0%	
95.1%	712	1,166	454	63.8%	
96.3%	682	1,027	344	50.4%	
97.5%	323	605	282	87.5%	
98.8%	188	540	352	187.2%	
100.0%	188	251	63	33.4%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,171	4,171	0	0.0%	
1.2%	3,780	3,780	0	0.0%	
2.5%	3,776	3,776	0	0.0%	
3.7%	3,446	3,446	0	0.0%	
4.9%	3,422	3,422	0	0.0%	
6.2%	3,356	3,356	0	0.0%	
7.4%	3,316	3,316	0	0.0%	
8.6%	3,261	3,261	0	0.0%	
9.9%	3,258	3,258	0	0.0%	
11.1%	3,250	3,250	0	0.0%	
12.3%	3,240	3,240	0	0.0%	
13.6%	3,186	3,233	47	1.5%	
14.8%	3,048	3,186	138	4.5%	
16.0%	3,035	3,048	13	0.4%	
17.3%	2,988	3,035	47	1.6%	
18.5%	2,909	3,013	105	3.6%	
19.8%	2,906	2,521	-385	-13.3%	
21.0%	2,570	2,498	-72	-2.8%	
22.2%	2,326	2,437	112	4.8%	
23.5%	2,263	2,404	142	6.3%	
24.7%	2,010	2,395	385	19.1%	
25.9%	1,976	2,368	392	19.8%	
27.2%	1,927	2,306	435	22.6%	
28.4%	1,811	2,306	495	27.3%	
29.6%	1,773	2,306	567	32.0%	
30.9%	1,791	2,027	235	13.1%	
32.1%	1,784	2,006	222	12.5%	
33.3%	1,771	1,924	153	8.6%	
34.6%	1,750	1,911	161	9.2%	
35.8%	1,750	1,909	159	9.1%	
37.0%	1,750	1,750	0	0.0%	
38.3%	1,750	1,750	0	0.0%	
39.5%	1,750	1,750	0	0.0%	
40.7%	1,750	1,738	-12	-0.7%	
42.0%	1,750	1,738	-12	-0.7%	
43.2%	1,750	1,736	-14	-0.8%	
44.4%	1,697	1,735	37	2.2%	
45.7%	1,686	1,734	48	2.9%	
46.9%	1,643	1,733	90	5.5%	
48.1%	1,641	1,731	90	5.5%	
49.4%	1,626	1,730	104	6.4%	
50.6%	1,609	1,730	120	7.5%	
51.9%	1,557	1,728	171	11.0%	
53.1%	1,498	1,708	209	14.0%	
54.3%	1,489	1,689	200	13.4%	
55.6%	1,488	1,674	186	12.5%	
56.8%	1,466	1,673	187	12.8%	
58.0%	1,466	1,669	183	12.5%	
59.3%	1,486	1,561	76	5.1%	
60.5%	1,485	1,561	75	5.1%	
61.7%	1,484	1,529	45	3.0%	
63.0%	1,483	1,527	44	2.9%	
64.2%	1,462	1,522	41	2.7%	
65.4%	1,482	1,510	28	1.9%	
66.7%	1,481	1,503	22	1.5%	
67.9%	1,480	1,501	21	1.4%	
69.1%	1,480	1,492	12	0.8%	
70.4%	1,480	1,492	12	0.8%	
71.6%</					

Table SW-46-a  
Feather River at Shanghai Bend, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	3,244	3,093	4,996	7,358	7,741	8,578	5,565	6,362	5,785	8,179	5,469	6,012
DCR 2015 With Project	3,315	3,121	5,135	7,430	7,985	8,730	5,566	6,308	5,421	7,770	5,338	5,959
Difference	71	28	139	72	244	152	0	-54	-365	-409	-131	-53
Percent Difference <sup>2</sup>	2.2%	0.9%	2.8%	1.0%	3.2%	1.8%	0.0%	-0.9%	-6.3%	-5.0%	-2.4%	-0.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	4,478	4,218	6,809	15,748	15,159	17,674	10,606	12,665	9,189	8,702	5,674	9,873
DCR 2015 With Project	4,460	4,232	6,955	15,811	15,753	17,980	10,710	12,688	9,154	8,178	5,961	9,374
Difference	-18	14	146	63	594	306	104	23	-36	-524	288	-500
Percent Difference	-0.4%	0.3%	2.1%	0.4%	3.9%	1.7%	1.0%	0.2%	-0.4%	-6.0%	5.1%	-5.1%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	4,217	3,437	4,737	5,993	7,723	8,940	5,225	6,231	5,881	10,176	8,011	8,634
DCR 2015 With Project	4,335	3,502	4,831	6,346	8,281	9,292	5,158	6,240	5,798	9,788	7,746	8,495
Difference	118	65	95	353	558	352	-67	10	-83	-388	-265	-139
Percent Difference	2.8%	1.9%	2.0%	5.9%	7.2%	3.9%	-1.3%	0.2%	-1.4%	-3.8%	-3.3%	-1.6%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	3,305	3,098	4,341	3,514	4,457	3,628	3,451	3,227	4,479	9,803	8,367	4,991
DCR 2015 With Project	3,438	3,120	4,413	3,514	4,316	3,591	3,451	3,046	4,070	9,053	7,202	4,560
Difference	133	22	72	0	-141	-37	0	-180	-409	-750	-1,166	-431
Percent Difference	4.0%	0.7%	1.6%	0.0%	-3.2%	-1.0%	0.0%	-5.6%	-9.1%	-7.7%	-13.9%	-8.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,906	2,237	4,689	2,564	3,152	3,167	2,582	2,619	4,011	7,794	3,631	2,401
DCR 2015 With Project	2,033	2,290	4,997	2,566	3,153	3,190	2,520	2,633	3,078	7,608	3,766	2,989
Difference	127	53	308	2	2	23	-62	14	-933	-186	134	588
Percent Difference	6.7%	2.4%	6.6%	0.1%	0.0%	0.7%	-2.4%	0.5%	-23.3%	-2.4%	3.7%	24.5%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	1,535	1,587	2,549	2,222	2,402	2,402	1,925	2,112	2,500	3,732	1,856	1,632
DCR 2015 With Project	1,597	1,577	2,544	2,223	2,387	2,431	1,863	1,870	2,045	3,615	1,764	2,111
Difference	62	-10	-5	1	-15	29	-62	-242	-454	-117	-93	480
Percent Difference	4.0%	-0.6%	-0.2%	0.0%	-0.6%	1.2%	-3.2%	-11.5%	-18.2%	-3.1%	-5.0%	29.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

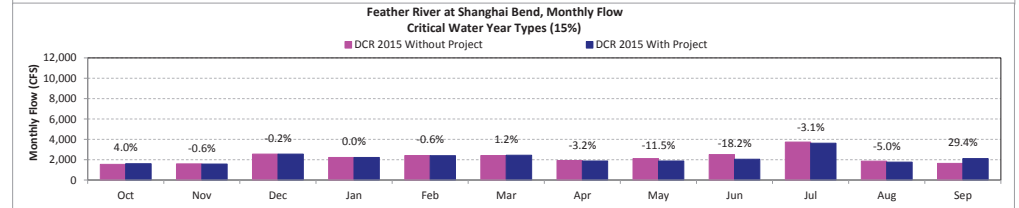
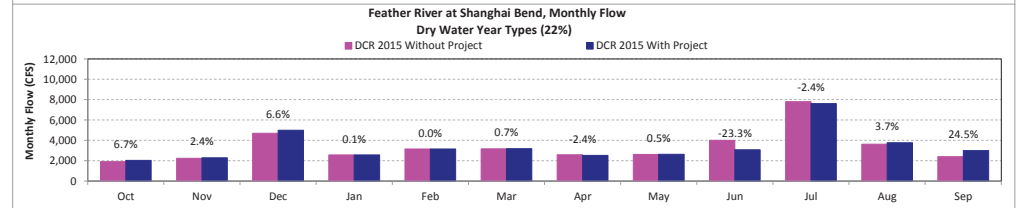
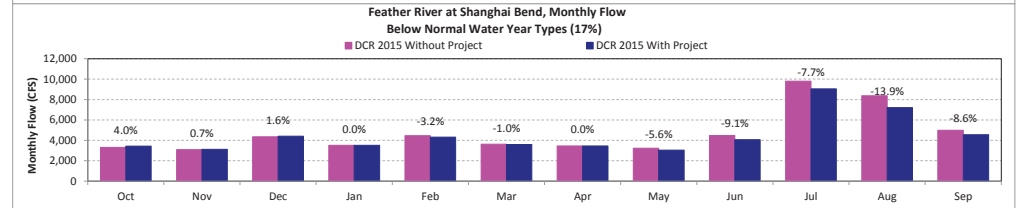
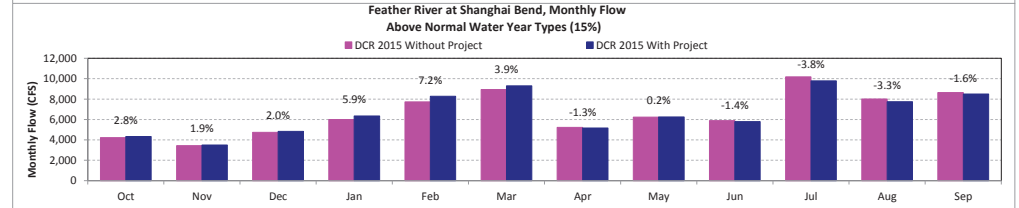
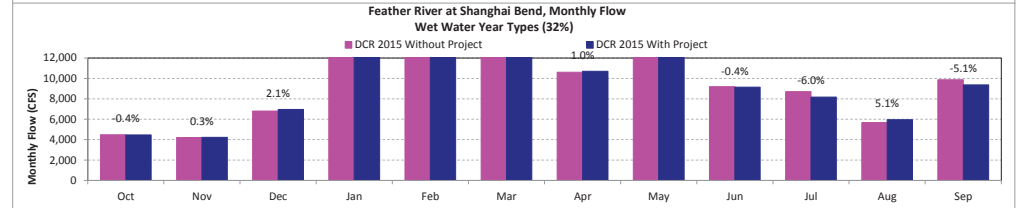
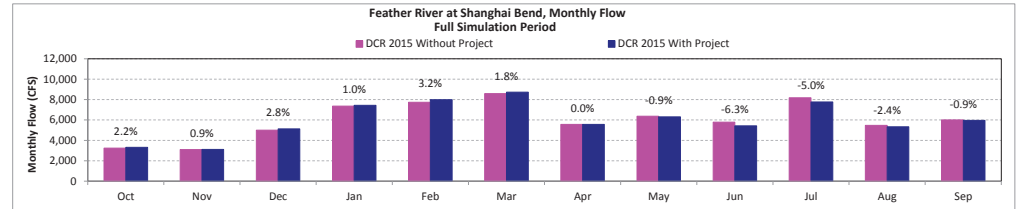


Figure SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

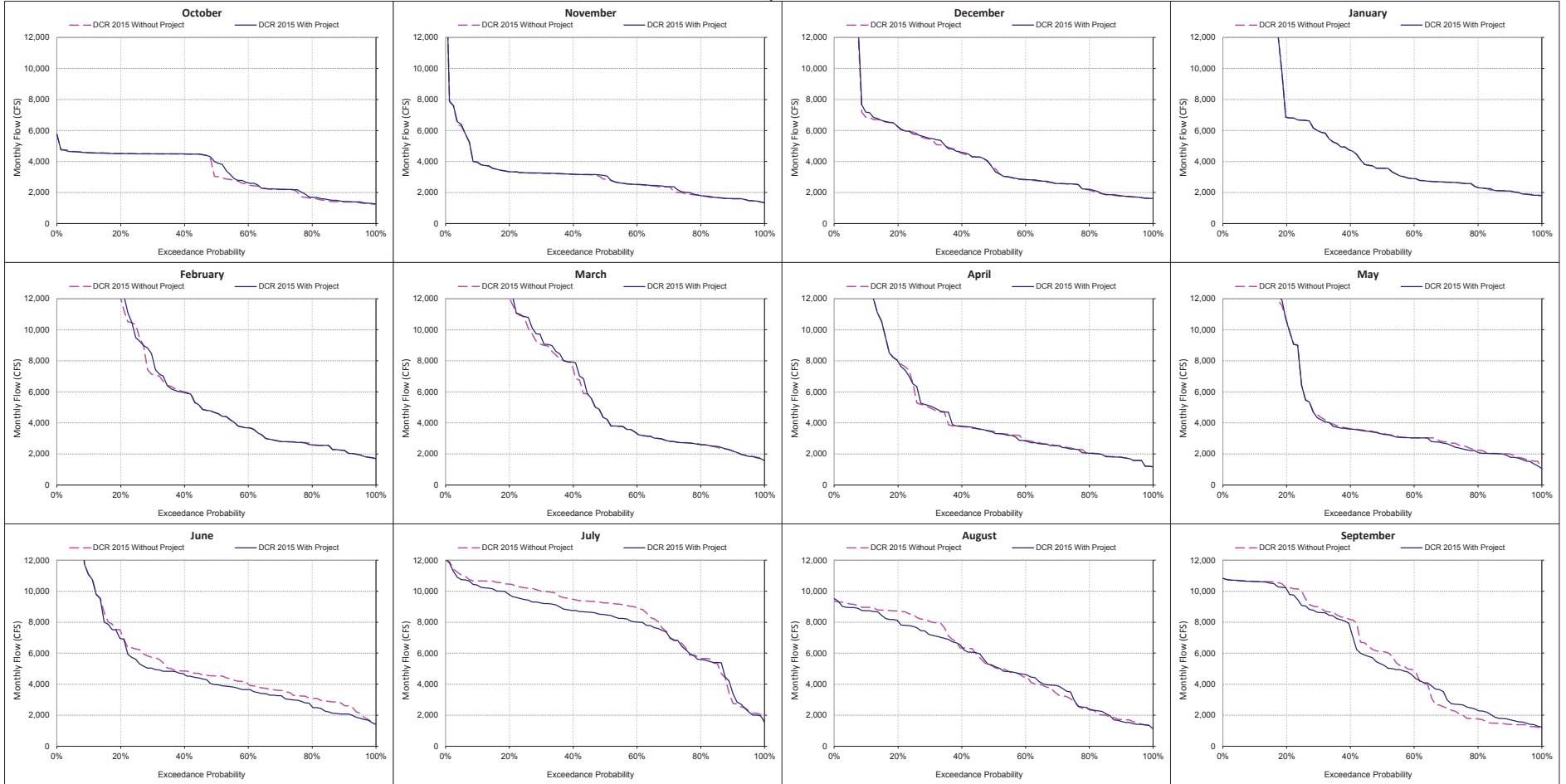


Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	5,763	5,763	0	0.0%	
1.2%	4,772	4,753	-19	-0.4%	
2.5%	4,753	4,731	-22	-0.5%	
3.7%	4,731	4,651	-80	-1.7%	
4.9%	4,651	4,636	-15	-0.3%	
6.2%	4,636	4,631	-5	-0.1%	
7.4%	4,631	4,590	-41	-0.9%	
8.6%	4,590	4,581	-9	-0.2%	
9.9%	4,583	4,568	-15	-0.3%	
11.1%	4,568	4,554	-14	-0.3%	
12.3%	4,554	4,554	0	0.0%	
13.6%	4,554	4,546	-8	-0.2%	
14.8%	4,546	4,542	-4	-0.1%	
16.0%	4,542	4,523	-19	-0.4%	
17.3%	4,523	4,520	-3	-0.1%	
18.5%	4,520	4,515	-5	-0.1%	
19.8%	4,515	4,511	-4	-0.1%	
21.0%	4,511	4,508	-3	-0.1%	
22.2%	4,508	4,507	-1	0.0%	
23.5%	4,507	4,504	-3	-0.1%	
24.7%	4,506	4,502	-4	-0.1%	
25.9%	4,504	4,502	-2	0.0%	
27.2%	4,502	4,500	-2	0.0%	
28.4%	4,502	4,495	-7	-0.2%	
29.6%	4,500	4,492	-8	-0.2%	
30.9%	4,495	4,491	-4	-0.1%	
32.1%	4,491	4,491	0	0.0%	
33.3%	4,491	4,491	0	0.0%	
34.6%	4,491	4,490	-1	0.0%	
35.8%	4,490	4,489	-1	0.0%	
37.0%	4,489	4,487	-2	-0.0%	
38.3%	4,487	4,487	0	0.0%	
39.5%	4,487	4,487	0	0.0%	
40.7%	4,486	4,486	0	0.0%	
42.0%	4,486	4,486	0	0.0%	
43.2%	4,484	4,484	0	0.0%	
44.4%	4,484	4,484	0	0.0%	
45.7%	4,435	4,447	12	0.3%	
46.9%	4,382	4,399	17	0.4%	
48.1%	4,166	4,302	135	3.2%	
49.4%	3,038	3,993	955	31.4%	
50.6%	3,021	3,976	955	31.3%	
51.9%	2,933	3,805	872	29.7%	
53.1%	2,873	3,393	520	18.1%	
54.3%	2,845	3,166	322	11.3%	
55.6%	2,776	2,906	130	4.7%	
56.8%	2,732	2,798	66	2.0%	
58.0%	2,607	2,776	169	6.5%	
59.3%	2,572	2,664	92	3.6%	
60.5%	2,461	2,590	129	5.3%	
61.7%	2,438	2,587	149	6.1%	
63.0%	2,413	2,487	74	3.1%	
64.2%	2,318	2,275	-43	-1.8%	
65.4%	2,244	2,246	2	0.1%	
66.7%	2,218	2,238	20	0.9%	
67.9%	2,217	2,232	14	0.7%	
69.1%	2,210	2,214	5	0.2%	
70.4%	2,200	2,203	3	0.1%	
71.6%	2,198	2,199	1	0.0%	
72.8%	2,198	2,198	0	0.0%	
74.1%	2,185	2,189	4	0.2%	
75.3%	2,053	2,189	136	6.6%	
76.5%	1,728	2,038	310	17.9%	
77.8%	1,592	1,918	326	13.3%	
79.0%	1,650	1,728	78	4.7%	
80.2%	1,601	1,692	91	5.7%	
81.5%	1,592	1,688	96	6.1%	
82.7%	1,626	1,601	-25	-1.5%	
84.0%	1,497	1,592	95	6.4%	
85.2%	1,456	1,641	185	12.7%	
86.4%	1,410	1,504	94	6.7%	
87.7%	1,407	1,502	95	6.7%	
88.9%	1,396	1,455	59	4.2%	
90.1%	1,392	1,410	18	1.3%	
91.4%	1,391	1,407	16	1.2%	
92.6%	1,389	1,392	3	0.2%	
93.8%	1,389	1,391	2	0.1%	
95.1%	1,331	1,389	58	4.3%	
96.3%	1,301	1,431	130	2.3%	
97.5%	1,297	1,316	19	1.5%	
98.8%	1,267	1,297	30	2.4%	
100.0%	1,251	1,260	9	0.7%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	17,793	17,765	-29	-0.2%	
1.2%	7,878	7,878	0	0.0%	
2.5%	7,603	7,602	-1	0.0%	
3.7%	6,402	6,571	169	2.6%	
4.9%	6,275	6,402	127	2.0%	
6.2%	5,780	5,780	0	0.0%	
7.4%	5,265	5,265	0	0.0%	
8.6%	3,692	4,004	313	8.5%	
9.9%	3,949	3,989	41	1.0%	
11.1%	3,790	3,795	5	0.1%	
12.3%	3,741	3,741	0	0.0%	
13.6%	3,690	3,725	35	0.9%	
14.8%	3,553	3,553	0	0.0%	
16.0%	3,508	3,508	0	0.0%	
17.3%	3,436	3,436	0	0.0%	
18.5%	3,398	3,398	0	0.0%	
19.8%	3,347	3,347	0	0.0%	
21.0%	3,336	3,336	0	0.0%	
22.2%	3,332	3,332	0	0.0%	
23.5%	3,285	3,285	0	0.0%	
24.7%	3,280	3,280	0	0.0%	
25.9%	3,266	3,266	0	0.0%	
27.2%	3,257	3,257	0	0.0%	
28.4%	3,254	3,254	0	0.0%	
29.6%	3,254	3,254	0	0.0%	
30.9%	3,250	3,253	3	0.1%	
32.1%	3,229	3,250	21	0.6%	
33.3%	3,223	3,248	25	0.8%	
34.6%	3,213	3,229	16	0.5%	
35.8%	3,201	3,223	22	0.7%	
37.0%	3,198	3,213	15	0.5%	
38.3%	3,183	3,201	18	0.6%	
39.5%	3,165	3,196	30	1.0%	
40.7%	3,163	3,183	20	0.6%	
42.0%	3,160	3,165	5	0.1%	
43.2%	3,159	3,165	6	0.2%	
44.4%	3,157	3,160	4	0.1%	
45.7%	3,143	3,159	16	0.5%	
46.9%	3,111	3,157	46	1.5%	
48.1%	3,060	3,143	83	2.7%	
49.4%	2,871	3,111	240	8.3%	
50.6%	2,844	3,058	215	7.6%	
51.9%	2,791	2,791	0	0.0%	
53.1%	2,687	2,687	0	0.0%	
54.3%	2,628	2,628	0	0.0%	
55.6%	2,599	2,599	0	0.0%	
56.8%	2,560	2,560	0	0.0%	
58.0%	2,530	2,547	17	0.7%	
59.3%	2,522	2,530	8	0.3%	
60.5%	2,515	2,522	7	0.3%	
61.7%	2,486	2,515	29	1.2%	
63.0%	2,451	2,486	35	1.4%	
64.2%	2,444	2,451	7	0.3%	
65.4%	2,430	2,451	21	0.8%	
66.7%	2,376	2,444	68	2.8%	
67.9%	2,375	2,430	55	2.3%	
69.1%	2,371	2,376	5	0.2%	
70.4%	2,367	2,376	10	0.4%	
71.6%	2,050	2,371	321	15.7%	
72.8%	2,006	2,158	152	7.6%	
74.1%	2,002	2,049	47	2.3%	
75.3%	1,902	2,006	104	5.5%	
76.5%	1,884	2,002	118	6.2%	
77.8%	1,856	1,884	28	1.5%	
79.0%	1,837	1,837	0	0.0%	
80.2%	1,788	1,788	0	0.0%	
81.5%	1,753	1,778	25	1.4%	
82.7%	1,698	1,753	55	3.2%	
84.0%	1,674	1,699	26	1.5%	
85.2%	1,667	1,674	7	0.4%	
86.4%	1,656	1,656	0	0.0%	
87.7%	1,617	1,617	0	0.0%	
88.9%	1,611	1,611	0	0.0%	
90.1%	1,605	1,605	0	0.0%	
91.4%	1,602	1,602	0	0.0%	
92.6%	1,601	1,601	0	0.0%	
93.8%	1,549	1,549	0	0.0%	
95.1%	1,472	1,474	2	0.1%	
96.3%	1,463	1,463	0	0.0%	
97.5%	1,455	1,455	0	0.0%	
98.8%	1,389	1,389	0	0.0%	
100.0%	1,340	1,340	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	34,743	34,743	0	0.0%	
1.2%	19,255	21,809	2,554	13.3%	
2.5%	16,411	21,721	5,310	32.4%	
3.7%	16,297	16,411	114	0.7%	
4.9%	14,296	14,296	0	0.0%	
6.2%	13,127	13,551	425	3.2%	
7.4%	12,775	13,127	352	2.8%	
8.6%	7,856	7,641	-215	-2.7%	
9.9%	6,857	7,176	319	4.7%	
11.1%	6,838	7,151	313	4.6%	
12.3%	6,702	6,838	136	2.0%	
13.6%	6,701	6,770	70	1.0%	
14.8%	6,648	6,648	0	0.0%	
16.0%	6,550	6,592	43	0.7%	
17.3%	6,517	6,529	12	0.2%	
18.5%	6,503	6,503	0	0.0%	
19.8%	6,270	6,295	25	0.4%	
21.0%	6,041	6,095	54	0.9%	
22.2%	5,966	5,960	-6	-0.1%	
23.5%	5,960	5,960	0	0.0%	
24.7%	5,895	5,779	-117	-2.0%	
25.9%	5,803	5,751	-51	-0.9%	
27.2%	5,598	5,663	66	1.2%	
28.4%	5,498	5,598	99	1.8%	
29.6%	5,453	5,498	45	0.8%	
30.9%	5,379	5,475	96	1.8%	
32.1%	5,076	5,409	333	6.6%	
33.3%	5,076	5,377	301	5.9%	
34.6%	4,995	5,076	81	1.6%	
35.8%	4,920	4,827	-94	-1.9%	
37.0%	4,823	4,811	-12	-0.2%	
38.3%	4,821	4,668	-153	-3.2%	
39.5%	4,564	4,613	49	1.1%	
40.7%	4,479	4,564	85	1.9%	
42.0%	4,421	4,495	74	1.7%	
43.2%	4,315	4,315	0	0.0%	
44.4%	4,292	4,292	0	0.0%	
45.7%	4,283	4,283	0	0.0%	
46.9%	4,184	4,184	0	0.0%	
48.1%	3,983	4,035	52	1.3%	
49.4%	3,710	3,665	-45	-1.2%	
50.6%	3,508	3,518	10	0.3%	
51.9%	3,190	3,190	0	0.0%	
53.1%	3,035	3,033	-2	0.0%	
54.3%	3,029	3,029	0	0.0%	
55.6%	2,970	2,970	0	0.0%	
56.8%	2,860	2,918	58	2.0%	
58.0%	2,860	2,860	0	0.0%	
59.3%	2,832	2,860	27	1.0%	
60.5%	2,821	2,832	11	0.4%	
61.7%	2,813	2,821	8	0.3%	
63.0%	2,764	2,813	48	1.8%	
64.2%	2,746	2,764	18	0.7%	
65.4%	2,724	2,730	6	0.2%	
66.7%	2,661	2,724	63	2.4%	
67.9%	2,656	2,656	0	0.0%	
69.1%	2,602	2,602	0	0.0%	
70.4%	2,591	2,577	-15	-0.6%	
71.6%	2,569	2,569	0	0.0%	
72.8%	2,557	2,557	0	0.0%	
74.1%	2,554	2,554	0	0.0%	
75.3%					

Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,404	39,712	5,307	15.4%
1.2%	29,343	29,343	0	0.0%
2.5%	28,757	28,757	0	0.0%
3.7%	28,342	28,342	0	0.0%
4.9%	24,955	27,557	2,602	10.4%
6.2%	22,630	24,955	2,326	10.3%
7.4%	22,565	22,565	0	0.0%
8.6%	19,063	20,724	1,721	8.0%
9.9%	18,943	18,943	0	0.0%
11.1%	16,359	18,465	2,106	12.9%
12.3%	16,234	16,359	125	0.8%
13.6%	15,733	16,234	502	3.2%
14.8%	15,613	15,771	158	1.0%
16.0%	14,981	15,613	632	4.2%
17.3%	14,889	14,981	92	0.6%
18.5%	13,547	13,547	0	0.0%
19.8%	12,229	13,223	995	8.1%
21.0%	11,261	12,229	967	8.6%
22.2%	10,521	11,114	594	5.6%
23.5%	10,469	10,469	0	0.0%
24.7%	10,326	9,481	-845	-8.2%
25.9%	9,481	9,272	-209	-2.2%
27.2%	8,991	9,105	114	1.3%
28.4%	7,435	8,829	1,394	18.8%
29.6%	7,140	8,474	1,333	18.7%
30.9%	7,056	7,435	379	5.4%
32.1%	7,024	7,138	114	1.6%
33.3%	6,666	7,024	358	5.4%
34.6%	6,420	6,420	0	0.0%
35.8%	6,352	6,203	-149	-2.3%
37.0%	6,203	6,098	-106	-1.7%
38.3%	6,098	6,012	-86	-1.4%
39.5%	6,016	5,967	-49	-0.8%
40.7%	5,968	5,905	-62	-1.0%
42.0%	5,905	5,862	-43	-0.7%
43.2%	5,816	5,816	0	0.0%
44.4%	5,164	5,164	0	0.0%
45.7%	4,869	4,869	0	0.0%
46.9%	4,804	4,803	-1	-0.0%
48.1%	4,772	4,772	0	0.0%
49.4%	4,673	4,673	0	0.0%
50.6%	4,593	4,593	0	0.0%
51.9%	4,405	4,410	5	0.1%
53.1%	4,405	4,405	0	0.0%
54.3%	4,197	4,197	0	0.0%
55.6%	4,039	4,039	0	0.0%
56.8%	3,795	3,795	0	0.0%
58.0%	3,736	3,736	0	0.0%
59.3%	3,685	3,685	0	0.0%
60.5%	3,675	3,675	0	0.0%
61.7%	3,576	3,576	0	0.0%
63.0%	3,358	3,358	0	0.0%
64.2%	3,228	3,228	0	0.0%
65.4%	2,999	2,999	0	0.0%
66.7%	2,941	2,941	0	0.0%
67.9%	2,889	2,889	0	0.0%
69.1%	2,846	2,846	0	0.0%
70.4%	2,793	2,793	0	0.0%
71.6%	2,791	2,791	0	0.0%
72.8%	2,783	2,783	0	0.0%
74.1%	2,781	2,781	0	0.0%
75.3%	2,738	2,738	0	0.0%
76.5%	2,734	2,734	0	0.0%
77.8%	2,729	2,699	-30	-1.1%
79.0%	2,699	2,600	-99	-3.7%
80.2%	2,600	2,565	-34	-1.3%
81.5%	2,565	2,554	-12	-0.5%
82.7%	2,554	2,550	-4	-0.1%
84.0%	2,548	2,548	0	0.0%
85.2%	2,544	2,544	0	0.0%
86.4%	2,273	2,273	0	0.0%
87.7%	2,270	2,270	0	0.0%
88.9%	2,247	2,247	0	0.0%
90.1%	2,222	2,222	0	0.0%
91.4%	2,032	2,046	14	0.7%
92.6%	2,020	2,020	0	0.0%
93.8%	1,982	1,982	0	0.0%
95.1%	1,931	1,931	0	0.0%
96.3%	1,832	1,832	0	0.0%
97.5%	1,785	1,785	0	0.0%
98.8%	1,739	1,717	-22	-1.3%
100.0%	1,688	1,688	0	0.0%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,934	47,653	-281	-0.6%
1.2%	45,876	45,876	0	0.0%
2.5%	35,108	35,108	0	0.0%
3.7%	32,996	32,996	0	0.0%
4.9%	27,009	27,373	363	1.3%
6.2%	24,870	24,870	0	0.0%
7.4%	21,539	21,674	135	0.6%
8.6%	20,286	20,286	0	0.0%
9.9%	20,181	20,181	0	0.0%
11.1%	17,832	17,832	0	0.0%
12.3%	17,096	17,096	0	0.0%
13.6%	16,363	16,640	277	1.7%
14.8%	15,464	16,363	899	5.8%
16.0%	15,110	15,464	354	2.3%
17.3%	13,199	14,956	1,757	13.3%
18.5%	12,861	14,629	1,769	13.8%
19.8%	12,135	13,199	1,064	8.8%
21.0%	11,629	12,135	506	4.4%
22.2%	11,071	11,071	0	0.0%
23.5%	11,007	10,824	-184	-1.7%
24.7%	10,802	10,859	57	0.5%
25.9%	10,105	10,801	696	6.9%
27.2%	9,730	10,105	375	3.9%
28.4%	9,271	9,737	466	5.0%
29.6%	9,081	9,730	649	7.1%
30.9%	8,995	9,081	86	1.0%
32.1%	8,951	9,050	99	1.1%
33.3%	8,604	8,995	391	4.5%
34.6%	8,380	8,604	224	2.7%
35.8%	8,122	8,440	318	3.9%
37.0%	8,010	8,010	0	0.0%
38.3%	7,932	7,949	17	0.2%
39.5%	7,874	7,932	58	0.7%
40.7%	6,851	7,873	1,022	14.9%
42.0%	6,763	7,020	257	3.8%
43.2%	6,085	6,861	776	12.8%
44.4%	5,884	5,884	0	0.0%
45.7%	5,589	5,589	0	0.0%
46.9%	5,011	5,011	0	0.0%
48.1%	4,875	4,875	0	0.0%
49.4%	4,344	4,344	0	0.0%
50.6%	4,225	4,225	0	0.0%
51.9%	3,803	3,803	0	0.0%
53.1%	3,796	3,796	0	0.0%
54.3%	3,778	3,778	0	0.0%
55.6%	3,773	3,773	0	0.0%
56.8%	3,586	3,586	0	0.0%
58.0%	3,574	3,574	0	0.0%
59.3%	3,421	3,421	0	0.0%
60.5%	3,240	3,240	0	0.0%
61.7%	3,183	3,183	0	0.0%
63.0%	3,141	3,155	14	0.4%
64.2%	3,134	3,134	0	0.0%
65.4%	3,021	3,021	0	0.0%
66.7%	2,998	2,998	0	0.0%
67.9%	2,957	2,957	0	0.0%
69.1%	2,863	2,863	0	0.0%
70.4%	2,810	2,810	0	0.0%
71.6%	2,790	2,790	0	0.0%
72.8%	2,746	2,746	0	0.0%
74.1%	2,721	2,721	0	0.0%
75.3%	2,718	2,718	0	0.0%
76.5%	2,712	2,680	-32	-1.2%
77.8%	2,680	2,680	0	0.0%
79.0%	2,668	2,625	-43	-1.6%
80.2%	2,590	2,590	0	0.0%
81.5%	2,583	2,583	0	0.0%
82.7%	2,496	2,527	32	1.3%
84.0%	2,487	2,486	-1	-0.0%
85.2%	2,417	2,487	70	2.9%
86.4%	2,360	2,417	57	2.4%
87.7%	2,331	2,331	0	0.0%
88.9%	2,270	2,270	0	0.0%
90.1%	2,179	2,179	0	0.0%
91.4%	2,104	2,095	-9	-0.4%
92.6%	1,976	1,972	-4	-0.2%
93.8%	1,915	1,915	0	0.0%
95.1%	1,830	1,830	0	0.0%
96.3%	1,828	1,828	0	0.0%
97.5%	1,747	1,747	0	0.0%
98.8%	1,747	1,698	-49	-2.8%
100.0%	1,559	1,559	0	0.0%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,920	-5	0.0%
1.2%	24,253	24,246	-6	0.0%
2.5%	19,254	19,249	-5	0.0%
3.7%	18,434	18,427	-7	0.0%
4.9%	18,342	18,342	0	0.0%
6.2%	15,083	15,080	-4	0.0%
7.4%	14,571	14,566	-6	0.0%
8.6%	13,671	13,663	-8	-0.1%
9.9%	13,314	13,310	-4	0.0%
11.1%	12,211	12,202	-9	-0.1%
12.3%	11,986	11,977	-9	-0.1%
13.6%	11,083	11,076	-6	-0.1%
14.8%	10,575	10,566	-9	-0.1%
16.0%	9,539	9,534	-5	-0.1%
17.3%	8,533	8,528	-5	-0.1%
18.5%	8,224	8,220	-4	-0.1%
19.8%	8,047	8,038	-9	-0.1%
21.0%	7,779	7,612	-167	-2.2%
22.2%	7,620	7,387	-233	-3.1%
23.5%	7,401	6,985	-416	-5.6%
24.7%	6,537	6,530	-7	-0.1%
25.9%	5,279	6,332	1,053	19.9%
27.2%	5,193	5,279	86	1.7%
28.4%	5,119	5,181	62	1.2%
29.6%	5,119	5,012	-107	-2.1%
30.9%	4,894	5,012	118	2.4%
32.1%	4,756	4,894	138	2.9%
33.3%	4,703	4,753	50	1.1%
34.6%	4,684	4,703	19	0.4%
35.8%	3,894	4,684	790	20.3%
37.0%	3,802	3,894	92	2.4%
38.3%	3,796	3,802	6	0.1%
39.5%	3,762	3,796	35	0.9%
40.7%	3,751	3,762	11	0.3%
42.0%	3,721	3,751	30	0.8%
43.2%	3,621	3,621	0	0.0%
44.4%	3,643	3,651	7	0.2%
45.7%	3,590	3,590	0	0.0%
46.9%	3,561	3,561	0	0.0%
48.1%	3,509	3,474	-35	-1.0%
49.4%	3,477	3,426	-52	-1.5%
50.6%	3,426	3,426	0	0.0%
51.9%	3,313	3,302	-11	-0.3%
53.1%	3,302	3,273	-28	-0.9%
54.3%	3,273	3,205	-68	-2.1%
55.6%	3,235	3,204	-31	-1.0%
56.8%	3,205	3,106	-99	-3.1%
58.0%	3,204	2,883	-320	-10.0%
59.3%	2,885	2,856	-30	-1.0%
60.5%	2,856	2,815	-40	-1.4%
61.7%	2,815	2,731	-84	-3.0%
63.0%	2,760	2,719	-40	-1.5%
64.2%	2,726	2,646	-80	-2.9%
65.4%	2,646	2,634	-12	-0.5%
66.7%	2,638	2,623	-15	-0.6%
67.9%	2,625	2,542	-82	-3.1%
69.1%	2,544	2,541	-3	-0.1%
70.4%	2,525	2,516	-9	-0.3%
71.6%	2,517	2,423	-94	-3.7%
72.8%	2,423	2,387	-36	-1.5%
74.1%	2,389	2,312	-77	-3.2%
75.3%	2,312	2,306	-6	-0.3%
76.5%	2,306	2,274	-32	-1.4%
77.8%	2,274	2,067	-207	-9.1%
79.0%	2,067	2,062	-5	-0.2%
80.2%	2,062	2,039	-23	-1.1%
81.5%	2,040	2,019	-21	-1.0%
82.7%	2,019	2,007	-12	-0.6%
84.0%	1,964	1,964	0	0.0%
85.2%	1,861	1,822	-39	-2.1%
86.4%	1,822	1,822	0	0.0%
87.7%	1,822	1,804	-18	-1.0%
88.9%	1,804	1,804	0	0.0%
90.1%	1,779	1,779	0	0.0%
91.4%	1,735	1,735	0	0.0%
92.6%	1,689	1,688	-1	-0.0%
93.8%	1,580	1,580	0	0.0%
95.1%	1,575	1,575	0	



Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,935	24	0.1%
1.2%	18,743	18,636	-108	-0.6%
2.5%	18,204	18,192	-12	-0.1%
3.7%	16,571	16,557	-14	-0.1%
4.9%	16,014	16,002	-12	-0.1%
6.2%	14,958	14,943	-15	-0.1%
7.4%	14,846	14,831	-15	-0.1%
8.6%	11,730	11,719	-12	-0.1%
9.9%	11,082	11,067	-15	-0.1%
11.1%	10,760	10,766	-14	-0.1%
12.3%	9,794	9,781	-14	-0.1%
13.6%	9,548	9,533	-14	-0.2%
14.8%	8,616	7,999	-617	-7.2%
16.0%	8,013	7,871	-142	-1.8%
17.3%	7,883	7,517	-366	-4.6%
18.5%	7,532	7,500	-32	-0.4%
19.8%	7,514	6,962	-552	-7.3%
21.0%	6,909	6,895	-13	-0.2%
22.2%	6,357	5,930	-426	-6.7%
23.5%	6,345	5,928	-417	-6.6%
24.7%	6,274	5,607	-666	-10.6%
25.9%	6,221	5,322	-899	-14.4%
27.2%	5,944	5,168	-776	-13.0%
28.4%	5,628	5,040	-588	-10.4%
29.7%	5,742	5,036	-706	-12.3%
30.9%	5,718	4,943	-776	-13.6%
32.1%	5,595	4,926	-670	-12.0%
33.3%	5,378	4,841	-538	-10.0%
34.6%	5,054	4,835	-219	-4.3%
35.8%	5,004	4,833	-171	-3.4%
37.0%	4,892	4,816	-76	-1.5%
38.3%	4,864	4,718	-146	-3.0%
39.5%	4,853	4,683	-170	-3.5%
40.7%	4,842	4,534	-307	-6.3%
42.0%	4,757	4,516	-241	-5.1%
43.2%	4,711	4,440	-271	-5.8%
44.4%	4,704	4,405	-299	-6.4%
45.7%	4,591	4,335	-257	-5.6%
46.9%	4,575	4,285	-290	-6.3%
48.1%	4,545	4,045	-500	-11.0%
49.4%	4,541	3,984	-557	-12.3%
50.6%	4,532	3,962	-570	-12.6%
51.9%	4,528	3,895	-633	-14.0%
53.1%	4,412	3,873	-540	-12.2%
54.3%	4,349	3,837	-512	-11.8%
55.6%	4,249	3,815	-434	-10.2%
56.8%	4,196	3,740	-456	-10.9%
58.0%	4,179	3,680	-499	-11.9%
59.3%	4,151	3,655	-496	-12.0%
60.5%	3,909	3,654	-255	-6.5%
61.7%	3,895	3,516	-379	-9.7%
63.0%	3,811	3,467	-344	-9.0%
64.2%	3,763	3,400	-363	-9.6%
65.4%	3,731	3,398	-333	-8.9%
66.7%	3,683	3,298	-385	-10.4%
67.9%	3,639	3,287	-352	-9.7%
69.1%	3,606	3,267	-339	-9.4%
70.4%	3,602	3,258	-344	-9.5%
71.6%	3,498	3,047	-451	-12.9%
72.8%	3,477	3,014	-463	-13.3%
74.1%	3,287	2,994	-293	-8.9%
75.3%	3,259	2,963	-296	-9.1%
76.5%	3,241	2,901	-341	-10.5%
77.8%	3,222	2,801	-421	-13.1%
79.0%	3,121	2,776	-345	-11.1%
80.2%	3,090	2,494	-596	-19.3%
81.5%	3,087	2,484	-603	-19.5%
82.7%	2,958	2,444	-515	-17.4%
84.0%	2,923	2,270	-653	-22.3%
85.2%	2,895	2,214	-681	-23.5%
86.4%	2,859	2,127	-732	-25.6%
87.7%	2,856	2,121	-735	-25.7%
88.9%	2,804	2,084	-721	-25.7%
90.1%	2,613	2,078	-535	-20.5%
91.4%	2,604	2,071	-533	-20.5%
92.6%	2,517	1,985	-532	-21.1%
93.8%	2,219	1,875	-344	-15.5%
95.1%	2,118	1,796	-322	-15.2%
96.3%	1,859	1,712	-147	-7.9%
97.5%	1,726	1,661	-65	-3.8%
98.8%	1,557	1,509	-48	-3.1%
100.0%	1,391	1,406	15	1.1%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,084	12,037	-48	-0.4%
1.2%	11,888	11,829	-59	-0.5%
2.5%	11,424	11,271	-153	-1.3%
3.7%	11,219	10,897	-323	-2.9%
4.9%	11,048	10,737	-311	-2.8%
6.2%	10,969	10,725	-244	-2.2%
7.4%	10,746	10,655	-91	-0.8%
8.6%	10,665	10,435	-230	-2.2%
9.9%	10,660	10,401	-259	-2.4%
11.1%	10,658	10,239	-419	-3.9%
12.3%	10,655	10,215	-440	-4.1%
13.6%	10,652	10,202	-450	-4.2%
14.8%	10,650	10,139	-511	-4.8%
16.0%	10,567	10,013	-554	-5.2%
17.3%	10,548	10,005	-543	-5.2%
18.5%	10,472	9,983	-489	-4.7%
19.8%	10,456	9,807	-650	-6.2%
21.0%	10,434	9,644	-789	-7.6%
22.2%	10,295	9,603	-692	-6.7%
23.5%	10,272	9,635	-637	-6.2%
24.7%	10,220	9,454	-766	-7.5%
25.9%	10,200	9,424	-776	-7.6%
27.2%	10,181	9,304	-877	-8.6%
28.4%	10,103	9,303	-800	-7.9%
29.7%	10,015	9,261	-754	-7.5%
30.9%	9,974	9,204	-770	-7.7%
32.1%	9,967	9,198	-769	-7.7%
33.3%	9,928	9,161	-767	-7.7%
34.6%	9,875	9,111	-764	-7.7%
35.8%	9,862	8,972	-890	-9.1%
37.0%	9,579	8,949	-630	-6.6%
38.3%	9,546	8,810	-736	-7.7%
39.5%	9,497	8,761	-736	-7.7%
40.7%	9,435	8,751	-684	-7.2%
42.0%	9,387	8,682	-705	-7.5%
43.2%	9,371	8,569	-802	-8.5%
44.4%	9,364	8,650	-714	-7.6%
45.7%	9,341	8,638	-704	-7.5%
46.9%	9,333	8,605	-728	-7.8%
48.1%	9,313	8,524	-789	-8.5%
49.4%	9,251	8,493	-757	-8.2%
50.6%	9,242	8,463	-779	-8.4%
51.9%	9,218	8,423	-795	-8.6%
53.1%	9,187	8,332	-854	-9.3%
54.3%	9,166	8,242	-924	-10.1%
55.6%	9,125	8,235	-890	-9.8%
56.8%	9,076	8,205	-871	-9.6%
58.0%	9,028	8,074	-954	-10.6%
59.3%	8,989	8,018	-971	-10.8%
60.5%	8,845	8,007	-838	-9.5%
61.7%	8,823	7,988	-836	-9.5%
63.0%	8,596	7,803	-793	-9.2%
64.2%	8,291	7,793	-498	-6.0%
65.4%	8,218	7,637	-581	-7.1%
66.7%	8,023	7,597	-426	-5.3%
67.9%	7,822	7,468	-354	-4.5%
69.1%	7,422	7,367	-55	-0.7%
70.4%	6,962	6,899	-63	-0.9%
71.6%	6,817	6,851	35	0.5%
72.8%	6,814	6,820	6	0.1%
74.1%	6,637	6,441	-196	-3.0%
75.3%	6,326	6,226	-100	-1.6%
76.5%	5,880	5,370	-510	-8.7%
77.8%	5,847	5,877	30	0.5%
79.0%	5,789	5,597	-192	-3.3%
80.2%	5,657	5,587	-70	-1.2%
81.5%	5,655	5,552	-103	-1.8%
82.7%	5,648	5,463	-184	-3.3%
84.0%	5,363	5,401	38	0.7%
85.2%	5,328	5,396	67	1.3%
86.4%	4,691	5,381	690	14.7%
87.7%	4,412	4,468	56	1.3%
88.9%	3,395	4,199	804	23.7%
90.1%	2,754	3,383	628	22.8%
91.4%	2,632	2,835	203	7.7%
92.6%	2,538	2,720	181	7.1%
93.8%	2,477	2,445	-32	-1.3%
95.1%	2,295	2,211	-84	-3.7%
96.3%	2,134	2,009	-125	-5.9%
97.5%	2,131	2,006	-125	-5.9%
98.8%	1,959	1,952	-7	-0.4%
100.0%	1,557	1,542	-15	-1.0%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,369	9,532	162	1.7%
1.2%	9,302	9,363	61	0.7%
2.5%	9,287	9,029	-258	-2.8%
3.7%	9,235	8,956	-279	-3.0%
4.9%	9,170	8,942	-228	-2.5%
6.2%	9,151	8,939	-212	-2.3%
7.4%	9,064	8,897	-167	-1.8%
8.6%	8,963	8,764	-200	-2.2%
9.9%	8,962	8,747	-215	-2.4%
11.1%	8,958	8,742	-216	-2.4%
12.3%	8,932	8,694	-238	-2.7%
13.6%	8,786	8,689	-97	-1.1%
14.8%	8,781	8,451	-330	-3.8%
16.0%	8,769	8,237	-532	-6.1%
17.3%	8,755	8,177	-578	-6.6%
18.5%	8,730	8,176	-554	-6.3%
19.8%	8,720	8,123	-600	-6.9%
21.0%	8,697	7,814	-883	-10.1%
22.2%	8,669	7,802	-867	-10.0%
23.5%	8,540	7,777	-763	-8.9%
24.7%	8,508	7,725	-783	-9.2%
25.9%	8,297	7,641	-656	-7.9%
27.2%	8,202	7,456	-746	-9.1%
28.4%	8,185	7,439	-746	-9.1%
29.7%	8,077	7,217	-860	-10.6%
30.9%	7,990	7,143	-847	-10.6%
32.1%	7,960	7,093	-867	-10.9%
33.3%	7,955	7,031	-924	-11.6%
34.6%	7,639	6,964	-675	-8.8%
35.8%	7,119	6,897	-222	-3.1%
37.0%	6,896	6,738	-158	-2.3%
38.3%	6,737	6,674	-63	-0.9%
39.5%	6,341	6,549	209	3.3%
40.7%	6,331	6,199	-133	-2.1%
42.0%	6,302	6,072	-229	-3.6%
43.2%	6,201	6,065	-136	-2.2%
44.4%	5,977	6,026	49	0.8%
45.7%	5,700	5,943	243	4.3%
46.9%	5,428	5,626	198	3.6%
48.1%	5,229	5,294	65	1.2%
49.4%	5,204	5,246	43	0.8%
50.6%	5,111	5,111	0	0.0%
51.9%	4,998	5,030	32	0.6%
53.1%	4,978	4,842	-136	-2.7%
54.3%	4,873	4,816	-57	-1.2%
55.6%	4,754	4,802	49	1.0%
56.8%	4,747	4,752	6	0.1%
58.0%	4,655	4,686	33	0.7%
59.3%	4,471	4,642	171	3.8%
60.5%	4,463	4,600	137	3.1%
61.7%	4,117	4,465	348	8.5%
63.0%	4,013	4,422	409	10.2%
64.2%	4,011	4,175	164	4.1%
65.4%	3,921	4,034	113	2.9%
66.7%	3,803	3,968	164	4.3%
67.9%	3,769	3,951	182	4.8%
69.1%	3,490	3,927	437	12.5%
70.4%	3,283	3,878	595	17.8%
71.6%	3,286	3,715	450	13.9%
72.8%	3,203	3,556	353	11.0%
74.1%	3,067	3,493	426	13.9%
75.3%	2,869	2,960	91	3.2%
76.5%	2,565	2,567	2	0.1%
77.8%	2,452	2,532	80	3.3%
79.0%	2,405	2,512	107	4.5%
80.2%	2,391	2,329	-62	-2.6%
81.5%	2,305	2,316	11	0.5%
82.7%	2,045	2,283	238	11.6%
84.0%	2,020	2,258	238	11.8%
85.2%	2,002	2,102	99	5.0%
86.4%	1,883	1,980	97	5.2%
87.7%	1,856	1,708	-148	-8.0%
88.9%	1,737	1,669	-68	-3.9%



Table SW-47-a  
American River at Mouth, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	1,479	2,504	3,177	4,352	5,018	3,847	3,116	3,026	2,811	2,991	1,767	1,944
DCR 2015 With Project	1,530	2,631	3,273	4,402	5,017	3,877	3,115	3,038	2,843	2,529	1,899	1,870
Difference	51	127	96	50	-2	31	-1	12	32	-462	132	-75
Percent Difference <sup>2</sup>	3.4%	5.1%	3.0%	1.2%	0.0%	0.8%	0.0%	0.4%	1.1%	-15.5%	7.4%	-3.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	1,747	3,678	3,557	8,910	9,352	6,643	5,114	5,242	4,606	3,126	2,598	3,154
DCR 2015 With Project	1,908	3,700	3,581	8,945	9,349	6,643	5,114	5,242	4,609	3,038	2,674	2,884
Difference	161	22	24	35	-3	0	0	0	4	-88	76	-270
Percent Difference	9.2%	0.6%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-2.8%	2.9%	-8.6%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	1,342	2,465	2,740	4,581	6,004	5,585	3,218	3,179	2,621	3,781	1,881	2,553
DCR 2015 With Project	1,417	2,688	2,970	4,722	6,010	5,580	3,218	3,179	2,525	3,335	1,890	2,202
Difference	75	223	229	141	6	-4	0	0	-96	-447	9	-350
Percent Difference	5.6%	9.0%	8.4%	3.1%	0.1%	-0.1%	0.0%	0.0%	-3.7%	-11.8%	0.5%	-13.7%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	1,866	3,013	3,923	2,183	3,784	2,398	2,910	2,570	2,049	4,066	1,435	1,368
DCR 2015 With Project	1,776	3,342	3,990	2,275	3,770	2,401	2,976	2,600	2,270	3,015	1,740	1,421
Difference	-91	330	67	91	-13	3	66	30	221	-1,051	305	53
Percent Difference	-4.9%	10.9%	1.7%	4.2%	-0.3%	0.1%	2.3%	1.2%	10.8%	-25.8%	21.2%	3.9%
<b>Dry (22%)</b>												
DCR 2015 Without Project	1,312	1,625	3,932	1,474	1,827	1,818	1,806	1,457	1,973	2,436	1,411	1,120
DCR 2015 With Project	1,349	1,723	4,118	1,464	1,818	1,925	1,743	1,440	2,027	1,785	1,557	1,162
Difference	36	98	186	-10	-9	107	-63	-18	54	-652	146	42
Percent Difference	2.8%	6.0%	4.7%	-0.7%	-0.5%	5.9%	-3.5%	-1.2%	2.7%	-26.7%	10.3%	3.7%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	835	725	791	1,093	869	782	887	960	1,258	1,487	776	623
DCR 2015 With Project	810	789	808	1,128	890	834	898	1,032	1,225	1,169	928	924
Difference	-25	64	17	35	21	51	12	72	-32	-318	152	301
Percent Difference	-3.0%	8.8%	2.1%	3.2%	2.4%	6.6%	1.3%	7.5%	-2.6%	-21.4%	19.6%	48.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

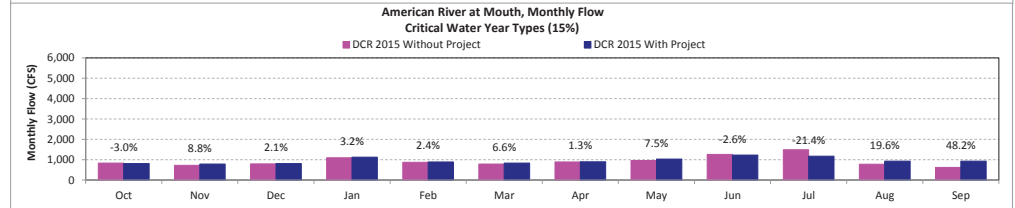
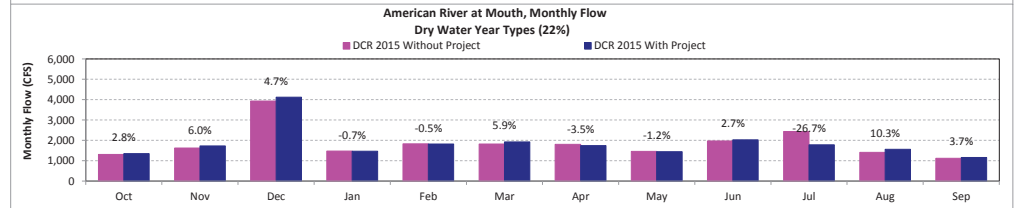
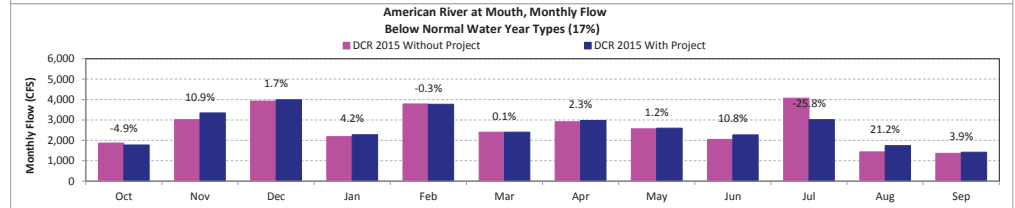
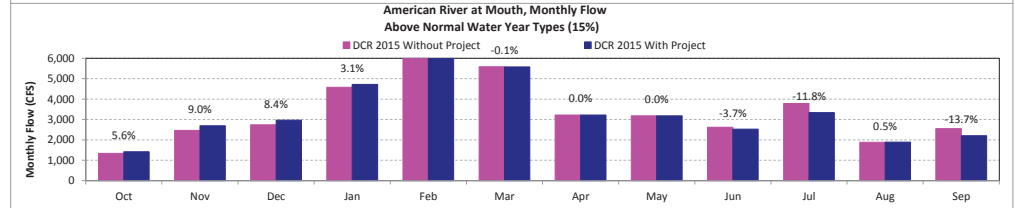
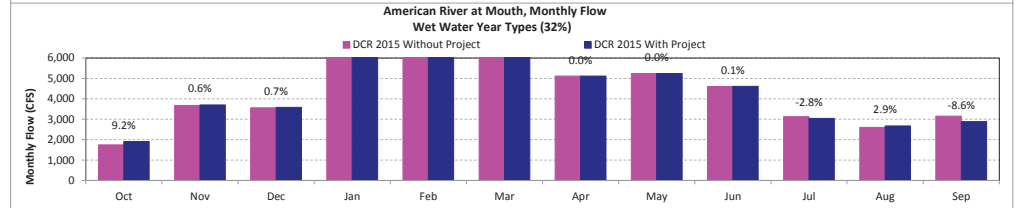
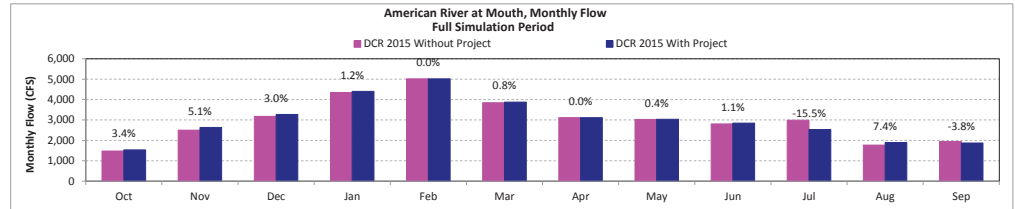


Figure SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

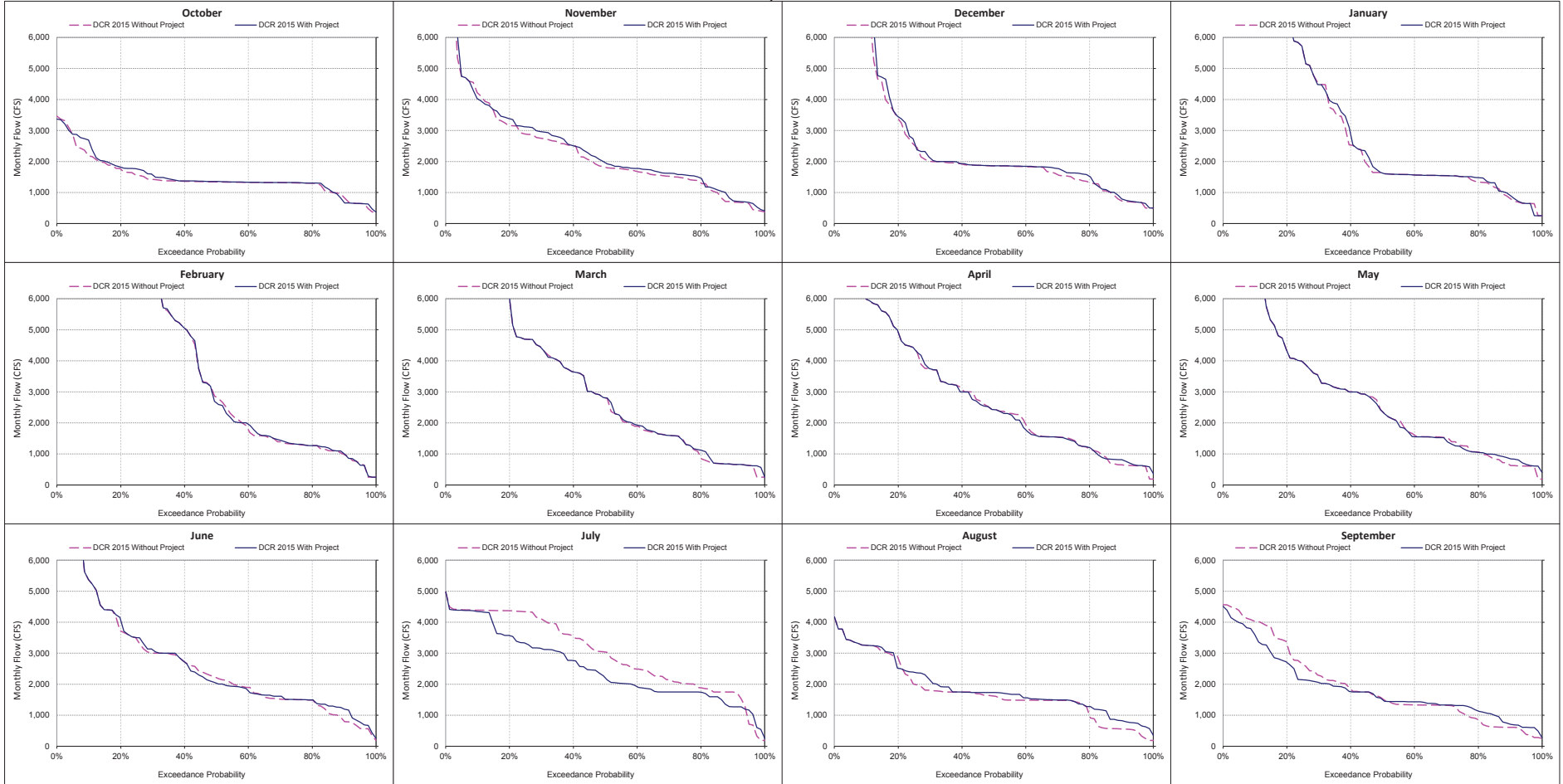


Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,462	3,372	-90	-2.6%
1.2%	3,366	3,340	-26	-0.8%
2.5%	3,315	3,206	-109	-3.3%
3.7%	3,101	3,009	-91	-2.9%
4.9%	2,877	2,877	0	0.0%
6.2%	2,459	2,872	413	16.8%
7.4%	2,431	2,771	340	14.0%
8.6%	2,365	2,734	369	15.6%
9.9%	2,184	2,690	506	23.1%
11.1%	2,154	2,375	222	10.3%
12.3%	2,056	2,116	60	2.9%
13.6%	1,983	1,974	-9	-0.5%
14.8%	1,974	2,019	45	2.3%
16.0%	1,883	1,974	91	4.8%
17.3%	1,879	1,912	33	1.8%
18.5%	1,781	1,861	80	4.5%
19.8%	1,775	1,830	54	3.1%
21.0%	1,661	1,786	123	7.4%
22.2%	1,653	1,781	129	7.8%
23.5%	1,544	1,777	234	15.2%
24.7%	1,562	1,769	208	13.3%
25.9%	1,546	1,746	200	12.9%
27.2%	1,515	1,704	189	12.5%
28.4%	1,434	1,602	168	11.7%
29.6%	1,424	1,598	174	12.2%
30.9%	1,416	1,491	75	5.3%
32.1%	1,401	1,488	87	6.2%
33.3%	1,379	1,484	104	7.6%
34.6%	1,377	1,453	76	5.5%
35.8%	1,376	1,430	54	3.9%
37.0%	1,374	1,402	28	2.0%
38.3%	1,369	1,377	8	0.6%
39.5%	1,365	1,376	11	0.8%
40.7%	1,361	1,373	12	0.9%
42.0%	1,360	1,373	12	0.9%
43.2%	1,355	1,372	17	1.2%
44.4%	1,353	1,365	11	0.8%
45.7%	1,351	1,362	11	0.8%
46.9%	1,345	1,360	14	1.1%
48.1%	1,344	1,356	13	0.9%
49.4%	1,343	1,356	13	0.9%
50.6%	1,339	1,354	15	1.1%
51.9%	1,338	1,352	14	1.1%
53.1%	1,335	1,345	11	0.8%
54.3%	1,334	1,342	8	0.6%
55.6%	1,331	1,340	10	0.7%
56.8%	1,330	1,337	7	0.5%
58.0%	1,329	1,336	7	0.5%
59.3%	1,328	1,335	7	0.5%
60.5%	1,326	1,333	7	0.5%
61.7%	1,326	1,331	6	0.4%
63.0%	1,326	1,330	4	0.3%
64.2%	1,325	1,327	2	0.1%
65.4%	1,325	1,326	2	0.1%
66.7%	1,324	1,326	2	0.1%
67.9%	1,321	1,326	5	0.3%
69.1%	1,321	1,326	5	0.4%
70.4%	1,318	1,325	7	0.6%
71.6%	1,314	1,325	11	0.8%
72.8%	1,312	1,325	13	1.0%
74.1%	1,311	1,323	12	0.9%
75.3%	1,309	1,320	10	0.8%
76.5%	1,305	1,312	7	0.5%
77.8%	1,304	1,310	6	0.4%
79.0%	1,303	1,307	4	0.3%
80.2%	1,298	1,306	8	0.6%
81.5%	1,295	1,304	9	0.7%
82.7%	1,235	1,300	65	5.3%
84.0%	1,080	1,161	121	11.4%
85.2%	1,038	1,110	76	7.3%
86.4%	995	1,015	20	2.0%
87.7%	986	964	-22	-2.2%
88.9%	960	823	-137	-14.3%
90.1%	823	667	-156	-18.9%
91.4%	698	563	-135	-19.3%
92.6%	654	565	-89	-13.6%
93.8%	647	651	3	0.5%
95.1%	646	646	0	0.0%
96.3%	636	636	0	-0.1%
97.5%	478	633	156	32.6%
98.8%	375	470	95	25.3%
100.0%	375	375	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,816	16,399	1,583	10.7%
1.2%	13,782	13,782	0	0.0%
2.5%	7,576	7,576	0	0.0%
3.7%	5,330	6,054	724	13.6%
4.9%	4,748	4,747	-1	0.0%
6.2%	4,705	4,705	0	0.0%
7.4%	4,588	4,579	-9	-0.2%
8.6%	4,551	4,304	-248	-5.4%
9.9%	4,230	4,029	-201	-4.8%
11.1%	4,102	3,952	-151	-3.7%
12.3%	3,937	3,851	-86	-2.2%
13.6%	3,889	3,804	-85	-2.2%
14.8%	3,685	3,681	-3	-0.1%
16.0%	3,350	3,626	276	8.2%
17.3%	3,320	3,467	147	4.4%
18.5%	3,246	3,429	183	5.6%
19.8%	3,161	3,384	223	7.0%
21.0%	3,155	3,348	193	6.1%
22.2%	3,146	3,158	12	0.4%
23.5%	2,930	3,144	214	7.3%
24.7%	2,890	3,122	232	8.0%
25.9%	2,874	3,110	236	8.2%
27.2%	2,874	3,096	222	7.7%
28.4%	2,775	2,989	215	7.7%
29.6%	2,753	2,967	214	7.8%
30.9%	2,737	2,948	211	7.7%
32.1%	2,709	2,933	224	8.3%
33.3%	2,668	2,836	169	6.3%
34.6%	2,653	2,813	160	6.0%
35.8%	2,579	2,777	198	7.7%
37.0%	2,573	2,719	146	5.7%
38.3%	2,533	2,566	33	1.3%
39.5%	2,510	2,518	8	0.3%
40.7%	2,499	2,483	-15	-0.6%
42.0%	2,154	2,456	302	14.0%
43.2%	2,145	2,457	312	14.6%
44.4%	2,068	2,287	219	10.6%
45.7%	2,028	2,193	165	8.1%
46.9%	1,921	2,150	229	11.9%
48.1%	1,860	2,064	205	11.0%
49.4%	1,840	2,000	160	8.7%
50.6%	1,826	1,924	98	5.4%
51.9%	1,788	1,897	109	6.1%
53.1%	1,781	1,847	66	3.7%
54.3%	1,773	1,847	74	4.2%
55.6%	1,760	1,809	49	2.8%
56.8%	1,741	1,809	67	3.9%
58.0%	1,732	1,788	56	3.3%
59.3%	1,699	1,781	81	4.8%
60.5%	1,664	1,773	109	6.6%
61.7%	1,650	1,753	103	6.2%
63.0%	1,636	1,741	105	6.4%
64.2%	1,586	1,732	146	9.2%
65.4%	1,569	1,689	120	7.7%
66.7%	1,568	1,667	99	6.3%
67.9%	1,546	1,631	85	5.5%
69.1%	1,531	1,626	95	6.2%
70.4%	1,522	1,625	103	6.8%
71.6%	1,504	1,612	108	7.2%
72.8%	1,496	1,584	88	5.8%
74.1%	1,473	1,577	103	7.0%
75.3%	1,465	1,560	94	6.4%
76.5%	1,412	1,176	-236	-16.8%
77.8%	1,395	1,540	145	10.4%
79.0%	1,390	1,500	111	8.0%
80.2%	1,287	1,451	165	12.8%
81.5%	1,286	1,180	-107	-8.3%
82.7%	1,095	1,176	81	7.4%
84.0%	1,034	1,138	104	10.0%
85.2%	997	1,086	89	9.0%
86.4%	825	1,039	214	25.9%
87.7%	711	1,008	297	41.7%
88.9%	709	825	117	16.4%
90.1%	688	734	46	6.5%
91.4%	653	711	58	8.9%
92.6%	678	709	31	4.6%
93.8%	673	694	22	3.2%
95.1%	643	679	36	5.7%
96.3%	447	649	202	45.1%
97.5%	427	538	112	26.2%
98.8%	402	447	45	11.1%
100.0%	375	404	29	7.7%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,126	20,319	1,193	6.2%
1.2%	16,284	16,284	0	0.0%
2.5%	16,006	16,272	266	1.7%
3.7%	15,609	15,595	-14	-0.1%
4.9%	13,626	13,620	-6	0.0%
6.2%	12,724	12,645	-79	-0.6%
7.4%	9,519	9,519	0	0.0%
8.6%	8,500	8,506	6	0.1%
9.9%	7,108	7,102	-6	0.0%
11.1%	6,749	6,734	-14	-0.2%
12.3%	5,241	6,299	1,057	20.2%
13.6%	4,660	4,775	116	2.5%
14.8%	4,595	4,723	128	2.8%
16.0%	3,990	4,653	663	16.6%
17.3%	3,828	4,080	253	6.6%
18.5%	3,636	3,633	-2	-0.1%
19.8%	3,407	3,463	56	1.6%
21.0%	3,246	3,378	132	4.1%
22.2%	2,991	3,246	255	8.5%
23.5%	2,829	2,822	-7	0.0%
24.7%	2,565	2,735	171	6.7%
25.9%	2,448	2,376	-72	-2.9%
27.2%	2,149	2,328	179	8.3%
28.4%	2,089	2,327	237	12.4%
29.6%	2,143	2,143	0	0.0%
30.9%	2,000	2,032	32	1.6%
32.1%	2,009	2,000	-9	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	1,975	2,000	25	1.3%
35.8%	1,959	2,000	41	2.1%
37.0%	1,958	2,000	42	2.2%
38.3%	1,933	1,994	61	3.2%
39.5%	1,932	1,933	1	0.0%
40.7%	1,899	1,933	34	1.8%
42.0%	1,885	1,900	14	0.8%
43.2%	1,884	1,884	0	0.0%
44.4%	1,877	1,884	7	0.4%
45.7%	1,874	1,876	2	0.1%
46.9%	1,872	1,873	1	0.0%
48.1%	1,863	1,871	8	0.4%
49.4%	1,862	1,864	2	0.1%
50.6%	1,864	1,864	0	0.0%
51.9%	1,857	1,860	3	0.2%
53.1%	1,857	1,860	3	0.2%
54.3%	1,856	1,858	3	0.1%
55.6%	1,848	1,857	10	0.5%
56.8%	1,841	1,855	14	0.8%
58.0%	1,840	1,855	15	0.8%
59.3%	1,838	1,847	9	0.5%
60.5%	1,830	1,844	14	0.7%
61.7%	1,829	1,842	13	0.7%
63.0%	1,826	1,832	6	0.3%
64.2%	1,817	1,829	12	0.6%
65.4%	1,813	1,828	16	0.9%
66.7%	1,674	1,818	144	8.6%
67.9%	1,663	1,813	149	9.0%
69.1%	1,623	1,787	165	10.2%
70.4%	1,557	1,765	208	13.3%
71.6%	1,536	1,712	175	11.4%
72.8%	1,532	1,641	108	7.1%
74.1%	1,515	1,629	115	7.6%
75.3%	1,428	1,628	199	14.0%
76.5%	1,421	1,619	198	13.9%
77.8%	1,381	1,595	214	15.5%
79.0%	1,360	1,584	223	16.4%
80.2%	1,313	1,504	191	14.5%
81.5%	1,285	1,287	2	0.2%
82.7%	1,278	1,203	-76	-5.9%
84.0%	1,057	1,106	49	4.8%
85.2%	1,054	1,089	34	3.3%
86.4%	1,011	1,013	3	0.3%
87.7%	914	1,005	92	10.0%
88.9%	794	913	120	15.1%
90.1%	727	794	67	9.2%
91.4%	711	753	42	5.9%
92.6%	704	723	18	2.6%
93.8%	689	704	15	2.2%
95.1%	689	689	0	0.0%
96.3%	680	673	-7	-1.1%
97.5%	500	651		

Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	32 621	32 620	-1	0.0%	
1.2%	15 988	15 982	-6	0.0%	
2.5%	13 581	13 581	0	0.0%	
3.7%	13 481	13 481	0	0.0%	
4.9%	13 208	13 208	0	0.0%	
6.2%	13 049	13 051	2	0.0%	
7.4%	12 917	12 912	-5	0.0%	
8.6%	12 729	12 732	3	0.0%	
9.9%	12 219	12 216	-3	0.0%	
11.1%	11 405	11 405	0	0.0%	
12.3%	10 459	10 457	-3	0.0%	
13.6%	10 444	10 444	0	0.0%	
14.8%	10 119	10 132	13	0.1%	
16.0%	10 098	10 119	21	0.2%	
17.3%	9 878	9 878	0	0.0%	
18.5%	9 827	9 827	0	0.0%	
19.8%	9 278	9 278	0	0.0%	
21.0%	8 196	8 377	181	2.2%	
22.2%	7 481	7 481	0	0.0%	
23.5%	7 423	7 423	0	0.0%	
24.7%	7 246	7 246	0	0.0%	
25.9%	7 231	7 231	0	0.0%	
27.2%	6 947	6 934	-13	-0.2%	
28.4%	6 899	6 862	-37	-0.5%	
29.7%	6 682	6 494	-188	-2.8%	
30.9%	6 494	6 374	-119	-1.8%	
32.1%	6 374	6 307	-68	-1.1%	
33.3%	5 686	5 710	24	0.4%	
34.6%	5 625	5 676	52	0.9%	
35.8%	5 465	5 465	0	0.0%	
37.0%	5 305	5 206	-9	-0.2%	
38.3%	5 230	5 230	0	0.0%	
39.5%	5 093	5 093	0	0.0%	
40.7%	4 988	4 988	0	0.0%	
42.0%	4 789	4 789	0	0.0%	
43.2%	4 526	4 526	0	0.0%	
44.4%	3 734	3 737	3	0.1%	
45.7%	3 330	3 303	-27	-0.8%	
46.9%	3 303	3 277	-26	-0.8%	
48.1%	3 186	3 186	0	0.0%	
49.4%	2 867	2 699	-168	-5.9%	
50.6%	2 780	2 598	-183	-6.6%	
51.9%	2 664	2 562	-102	-3.8%	
53.1%	2 494	2 298	-194	-7.8%	
54.3%	2 305	2 178	-127	-5.5%	
55.6%	2 184	2 041	-143	-6.6%	
56.8%	2 102	2 014	-89	-4.2%	
58.0%	2 000	2 000	0	0.0%	
59.3%	1 916	2 000	84	4.4%	
60.5%	1 683	1 916	233	13.8%	
61.7%	1 591	1 768	177	11.1%	
63.0%	1 590	1 652	62	3.9%	
64.2%	1 588	1 591	3	0.2%	
65.4%	1 570	1 588	18	1.2%	
66.7%	1 502	1 570	68	4.5%	
67.9%	1 501	1 500	-1	-0.1%	
69.1%	1 392	1 465	73	5.2%	
70.4%	1 388	1 430	43	3.1%	
71.6%	1 341	1 388	48	3.5%	
72.8%	1 325	1 341	16	1.2%	
74.1%	1 314	1 325	11	0.8%	
75.3%	1 313	1 303	-10	-0.8%	
76.5%	1 291	1 313	22	1.7%	
77.8%	1 282	1 282	0	0.0%	
79.0%	1 271	1 271	0	0.0%	
80.2%	1 269	1 269	0	0.0%	
81.5%	1 266	1 266	0	0.0%	
82.7%	1 159	1 232	73	6.3%	
84.0%	1 151	1 225	73	6.4%	
85.2%	1 103	1 187	85	7.7%	
86.4%	1 098	1 114	16	1.5%	
87.7%	1 095	1 100	5	0.4%	
88.9%	1 034	1 100	65	6.3%	
90.1%	975	990	15	1.6%	
91.4%	852	852	-0	-0.0%	
92.6%	783	850	68	8.6%	
93.8%	761	761	0	0.0%	
95.1%	687	634	-53	-7.7%	
96.3%	634	634	-1	-0.1%	
97.5%	250	250	0	0.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	17 900	17 900	0	0.0%	
1.2%	17 249	17 249	0	0.0%	
2.5%	12 500	12 500	0	0.0%	
3.7%	11 847	11 847	0	0.0%	
4.9%	11 004	11 009	5	0.0%	
6.2%	10 843	10 843	0	0.0%	
7.4%	10 784	10 807	24	0.2%	
8.6%	9 559	9 559	0	0.0%	
9.9%	8 781	8 781	0	0.0%	
11.1%	8 378	8 378	0	0.0%	
12.3%	7 459	7 890	430	5.8%	
13.6%	7 443	7 443	0	0.0%	
14.8%	7 178	7 178	0	0.0%	
16.0%	6 893	6 893	0	0.0%	
17.3%	6 869	6 869	0	0.0%	
18.5%	6 742	6 742	0	0.0%	
19.8%	6 240	6 232	-7	-0.1%	
21.0%	5 142	5 142	0	0.0%	
22.2%	4 776	4 777	1	0.0%	
23.5%	4 750	4 750	0	0.0%	
24.7%	4 699	4 699	0	0.0%	
25.9%	4 695	4 689	-6	-0.1%	
27.2%	4 687	4 687	0	0.0%	
28.4%	4 523	4 523	0	0.0%	
29.7%	4 460	4 460	0	0.0%	
30.9%	4 311	4 311	0	0.0%	
32.1%	4 188	4 117	-71	-1.7%	
33.3%	4 098	4 100	2	0.0%	
34.6%	4 048	4 048	0	0.0%	
35.8%	3 978	3 975	-3	-0.1%	
37.0%	3 791	3 791	0	0.0%	
38.3%	3 734	3 736	2	0.1%	
39.5%	3 658	3 657	-1	-0.0%	
40.7%	3 627	3 627	0	0.0%	
42.0%	3 602	3 602	0	0.0%	
43.2%	3 521	3 521	0	0.0%	
44.4%	3 018	3 014	-4	-0.1%	
45.7%	3 014	3 011	-3	-0.1%	
46.9%	2 940	2 940	0	0.0%	
48.1%	2 907	2 910	3	0.1%	
49.4%	2 816	2 816	0	0.0%	
50.6%	2 786	2 786	0	0.0%	
51.9%	2 366	2 650	283	12.0%	
53.1%	2 298	2 298	0	0.0%	
54.3%	2 252	2 258	6	0.2%	
55.6%	2 037	2 107	70	3.5%	
56.8%	2 015	2 037	22	1.1%	
58.0%	1 956	2 014	58	3.0%	
59.3%	1 892	1 949	57	3.0%	
60.5%	1 882	1 921	39	2.1%	
61.7%	1 778	1 890	113	6.3%	
63.0%	1 745	1 778	33	1.9%	
64.2%	1 712	1 745	33	1.9%	
65.4%	1 692	1 711	19	1.1%	
66.7%	1 644	1 644	0	0.0%	
67.9%	1 632	1 631	-1	-0.1%	
69.1%	1 602	1 605	3	0.2%	
70.4%	1 593	1 593	0	0.0%	
71.6%	1 584	1 584	0	0.0%	
72.8%	1 577	1 577	0	0.0%	
74.1%	1 517	1 467	-50	-3.3%	
75.3%	1 303	1 303	0	0.0%	
76.5%	1 276	1 276	0	0.0%	
77.8%	1 140	1 169	29	2.5%	
79.0%	1 079	1 140	61	5.6%	
80.2%	837	1 114	277	33.2%	
81.5%	792	1 074	283	35.7%	
82.7%	735	884	149	20.2%	
84.0%	701	701	0	0.0%	
85.2%	694	692	-2	-0.3%	
86.4%	684	684	0	0.0%	
87.7%	680	680	0	0.0%	
88.9%	675	675	0	0.0%	
90.1%	663	663	0	0.0%	
91.4%	657	657	0	0.0%	
92.6%	657	657	0	0.0%	
93.8%	642	641	-1	-0.1%	
95.1%	627	627	0	0.0%	
96.3%	616	616	0	0.0%	
97.5%	250	615	365	145.9%	
98.8%	250	565	315	126.0%	
100.0%	250	250	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15 357	15 357	0	0.0%	
1.2%	10 135	10 135	0	0.0%	
2.5%	8 724	8 724	0	0.0%	
3.7%	7 058	7 058	0	0.0%	
4.9%	6 976	6 976	0	0.0%	
6.2%	6 931	6 931	0	0.0%	
7.4%	6 492	6 492	0	0.0%	
8.6%	6 273	6 273	0	0.0%	
9.9%	5 999	5 999	0	0.0%	
11.1%	5 896	5 928	32	0.5%	
12.3%	5 843	5 843	0	0.0%	
13.6%	5 807	5 807	0	0.0%	
14.8%	5 616	5 605	-11	-0.2%	
16.0%	5 567	5 567	0	0.0%	
17.3%	5 427	5 417	-9	-0.2%	
18.5%	5 118	5 118	0	0.0%	
19.8%	4 997	4 996	-1	-0.0%	
21.0%	4 640	4 640	0	0.0%	
22.2%	4 508	4 508	0	0.0%	
23.5%	4 478	4 478	0	0.0%	
24.7%	4 433	4 432	-1	-0.0%	
25.9%	4 284	4 284	0	0.0%	
27.2%	3 886	4 174	288	7.4%	
28.4%	3 755	3 886	131	3.5%	
29.7%	3 753	3 753	0	0.0%	
30.9%	3 711	3 711	0	0.0%	
32.1%	3 706	3 706	0	0.0%	
33.3%	3 334	3 335	1	0.0%	
34.6%	3 310	3 310	0	0.0%	
35.8%	3 252	3 247	-5	-0.2%	
37.0%	3 244	3 240	-4	-0.1%	
38.3%	3 214	3 214	0	0.0%	
39.5%	3 153	3 000	-153	-4.9%	
40.7%	3 000	3 000	0	0.0%	
42.0%	3 000	3 000	0	0.0%	
43.2%	3 000	3 000	0	0.0%	
44.4%	2 708	2 708	-52	-1.9%	
45.7%	2 708	2 598	-110	-4.1%	
46.9%	2 598	2 540	-58	-2.2%	
48.1%	2 526	2 528	2	0.1%	
49.4%	2 433	2 433	0	0.0%	
50.6%	2 428	2 419	-9	-0.4%	
51.9%	2 375	2 372	-3	-0.1%	
53.1%	2 372	2 302	-70	-2.9%	
54.3%	2 302	2 302	-1	-0.0%	
55.6%	2 302	2 255	-47	-2.0%	
56.8%	2 273	2 097	-176	-7.7%	
58.0%	2 267	2 085	-182	-8.0%	
59.3%	2 097	1 848	-249	-11.9%	
60.5%	1 848	1 734	-115	-6.2%	
61.7%	1 709	1 624	-84	-4.9%	
63.0%	1 624	1 601	-24	-1.5%	
64.2%	1 599	1 556	-43	-2.7%	
65.4%	1 555	1 554	-1	-0.1%	
66.7%	1 554	1 551	-3	-0.2%	
67.9%	1 551	1 550	-1	-0.1%	
69.1%	1 550	1 546	-4	-0.2%	
70.4%	1 546	1 532	-13	-0.9%	
71.6%	1 524	1 524	-9	-0.6%	
72.8%	1 524	1 482	-42	-2.7%	
74.1%	1 482	1 439	-43	-2.9%	
75.3%	1 428	1 404	-25	-1.7%	
76.5%	1 276	1 276	0	0.0%	
77.8%	1 242	1 243</			

Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,103	11,103	0	0.0%	
1.2%	9,175	9,175	0	0.0%	
2.5%	8,378	8,378	0	0.0%	
3.7%	7,803	7,803	0	0.0%	
4.9%	7,453	7,453	0	0.0%	
6.2%	6,945	6,945	0	0.0%	
7.4%	6,933	6,933	0	0.0%	
8.6%	5,620	5,620	0	0.0%	
9.9%	5,368	5,368	0	0.0%	
11.1%	5,225	5,225	0	0.0%	
12.3%	5,025	5,025	0	0.0%	
13.6%	4,552	4,552	0	0.0%	
14.8%	4,406	4,406	0	0.0%	
16.0%	4,396	4,396	0	0.0%	
17.3%	4,386	4,386	0	0.0%	
18.5%	4,159	4,242	83	2.0%	
19.8%	3,727	4,159	433	11.6%	
21.0%	3,664	3,713	49	1.3%	
22.2%	3,604	3,607	3	0.1%	
23.5%	3,527	3,527	0	0.0%	
24.7%	3,498	3,501	3	0.1%	
25.9%	3,303	3,498	195	5.9%	
27.2%	3,137	3,309	172	5.5%	
28.4%	3,041	3,137	96	3.2%	
29.6%	3,000	3,135	135	4.5%	
30.9%	3,000	3,041	41	1.4%	
32.1%	3,000	3,000	0	0.0%	
33.3%	3,000	3,000	0	0.0%	
34.6%	3,000	3,000	0	0.0%	
35.8%	2,966	3,000	34	1.1%	
37.0%	2,948	3,000	52	1.8%	
38.3%	2,865	2,865	0	0.0%	
39.5%	2,756	2,756	0	0.0%	
40.7%	2,666	2,659	-8	-0.3%	
42.0%	2,600	2,428	-171	-6.6%	
43.2%	2,578	2,361	-217	-8.4%	
44.4%	2,428	2,298	-131	-5.4%	
45.7%	2,391	2,241	-149	-6.2%	
46.9%	2,332	2,144	-189	-8.1%	
48.1%	2,278	2,099	-179	-7.9%	
49.4%	2,239	2,060	-179	-8.0%	
50.6%	2,179	2,006	-173	-7.9%	
51.9%	2,141	2,003	-137	-6.4%	
53.1%	2,130	1,958	-172	-8.1%	
54.3%	2,056	1,940	-117	-5.7%	
55.6%	1,982	1,926	-56	-2.8%	
56.8%	1,958	1,922	-36	-1.8%	
58.0%	1,926	1,894	-32	-1.7%	
59.3%	1,898	1,862	-36	-1.9%	
60.5%	1,894	1,720	-174	-9.2%	
61.7%	1,715	1,701	-14	-0.8%	
63.0%	1,703	1,684	-19	-1.1%	
64.2%	1,653	1,653	0	0.0%	
65.4%	1,573	1,645	72	4.6%	
66.7%	1,547	1,643	96	6.2%	
67.9%	1,541	1,615	75	4.8%	
69.1%	1,532	1,614	82	5.4%	
70.4%	1,513	1,613	99	6.6%	
71.6%	1,511	1,513	2	0.1%	
72.8%	1,506	1,506	0	0.0%	
74.1%	1,506	1,506	0	0.0%	
75.3%	1,503	1,504	1	0.1%	
76.5%	1,501	1,503	2	0.1%	
77.8%	1,492	1,502	11	0.7%	
79.0%	1,490	1,492	2	0.1%	
80.2%	1,490	1,490	0	0.0%	
81.5%	1,320	1,372	52	4.0%	
82.7%	1,297	1,356	59	4.6%	
84.0%	1,208	1,352	143	11.8%	
85.2%	1,056	1,204	238	22.6%	
86.4%	1,015	1,293	278	27.3%	
87.7%	1,011	1,259	247	24.5%	
88.9%	939	1,255	315	33.6%	
90.1%	793	1,194	402	50.7%	
91.4%	717	1,170	453	63.1%	
92.6%	755	912	157	20.8%	
93.8%	669	838	169	25.3%	
95.1%	569	777	207	36.4%	
96.3%	565	688	123	21.8%	
97.5%	564	669	105	18.5%	
98.8%	439	425	-14	-3.2%	
100.0%	188	262	74	39.2%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,974	4,974	0	0.0%	
1.2%	4,491	4,413	-78	-1.7%	
2.5%	4,417	4,399	-18	-0.4%	
3.7%	4,413	4,388	-25	-0.6%	
4.9%	4,399	4,386	-13	-0.3%	
6.2%	4,397	4,382	-16	-0.4%	
7.4%	4,396	4,375	-21	-0.5%	
8.6%	4,388	4,372	-17	-0.4%	
9.9%	4,388	4,347	-41	-0.9%	
11.1%	4,386	4,339	-47	-1.1%	
12.3%	4,384	4,321	-63	-1.4%	
13.6%	4,382	4,308	-74	-1.7%	
14.8%	4,378	3,949	-428	-9.8%	
16.0%	4,375	3,637	-739	-16.9%	
17.3%	4,375	3,628	-747	-17.1%	
18.5%	4,372	3,576	-795	-18.2%	
19.8%	4,370	3,576	-794	-18.2%	
21.0%	4,367	3,537	-830	-19.0%	
22.2%	4,356	3,387	-969	-22.2%	
23.5%	4,347	3,344	-1,003	-23.1%	
24.7%	4,339	3,332	-1,007	-23.2%	
25.9%	4,339	3,271	-1,068	-24.6%	
27.2%	4,321	3,173	-1,148	-26.6%	
28.4%	4,164	3,170	-993	-23.9%	
29.6%	4,126	3,159	-967	-23.5%	
30.9%	4,051	3,121	-931	-23.0%	
32.1%	3,974	3,119	-856	-21.5%	
33.3%	3,970	3,107	-863	-21.7%	
34.6%	3,944	3,072	-873	-22.1%	
35.8%	3,664	3,046	-618	-16.9%	
37.0%	3,615	2,980	-635	-17.6%	
38.3%	3,608	2,769	-839	-23.3%	
39.5%	3,576	2,766	-810	-22.7%	
40.7%	3,480	2,755	-725	-20.8%	
42.0%	3,476	2,568	-908	-26.1%	
43.2%	3,465	2,482	-983	-28.4%	
44.4%	3,280	2,471	-808	-24.6%	
45.7%	3,159	2,465	-695	-22.0%	
46.9%	3,072	2,454	-618	-20.1%	
48.1%	3,055	2,357	-698	-22.8%	
49.4%	3,047	2,269	-778	-25.5%	
50.6%	3,029	2,135	-893	-29.5%	
51.9%	2,846	2,057	-789	-27.7%	
53.1%	2,722	2,051	-672	-24.6%	
54.3%	2,693	2,036	-657	-24.4%	
55.6%	2,633	2,027	-606	-23.0%	
56.8%	2,625	2,016	-609	-23.2%	
58.0%	2,553	2,008	-545	-21.4%	
59.3%	2,493	1,962	-531	-21.3%	
60.5%	2,486	1,897	-589	-23.7%	
61.7%	2,462	1,879	-583	-23.7%	
63.0%	2,450	1,864	-586	-23.9%	
64.2%	2,357	1,843	-514	-21.8%	
65.4%	2,269	1,769	-500	-22.1%	
66.7%	2,264	1,751	-514	-22.7%	
67.9%	2,251	1,750	-501	-22.2%	
69.1%	2,153	1,750	-403	-18.7%	
70.4%	2,135	1,750	-385	-18.0%	
71.6%	2,076	1,750	-326	-15.7%	
72.8%	2,064	1,750	-314	-15.2%	
74.1%	2,027	1,750	-277	-13.7%	
75.3%	2,016	1,750	-266	-13.2%	
76.5%	2,008	1,750	-258	-12.8%	
77.8%	2,007	1,750	-257	-12.8%	
79.0%	1,897	1,750	-147	-7.7%	
80.2%	1,879	1,738	-140	-7.5%	
81.5%	1,857	1,696	-161	-8.7%	
82.7%	1,843	1,598	-245	-13.3%	
84.0%	1,750	1,595	-155	-8.9%	
85.2%	1,750	1,592	-158	-9.0%	
86.4%	1,750	1,501	-249	-14.2%	
87.7%	1,750	1,352	-398	-22.7%	
88.9%	1,750	1,280	-470	-26.9%	
90.1%	1,750	1,275	-475	-27.2%	
91.4%	1,712	1,274	-438	-25.6%	
92.6%	1,532	1,268	-264	-17.3%	
93.8%	1,279	1,190	-89	-7.0%	
95.1%	712	1,166	454	63.8%	
96.3%	682	1,027	344	50.4%	
97.5%	323	605	282	87.5%	
98.8%	188	540	352	187.2%	
100.0%	188	251	63	33.4%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Flow (CFS)	DCR 2015 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,171	4,171	0	0.0%	
1.2%	3,780	3,780	0	0.0%	
2.5%	3,776	3,776	0	0.0%	
3.7%	3,446	3,446	0	0.0%	
4.9%	3,422	3,422	0	0.0%	
6.2%	3,356	3,356	0	0.0%	
7.4%	3,316	3,316	0	0.0%	
8.6%	3,261	3,261	0	0.0%	
9.9%	3,258	3,258	0	0.0%	
11.1%	3,250	3,250	0	0.0%	
12.3%	3,240	3,240	0	0.0%	
13.6%	3,186	3,233	47	1.5%	
14.8%	3,048	3,186	138	4.5%	
16.0%	3,035	3,048	13	0.4%	
17.3%	2,988	3,035	47	1.6%	
18.5%	2,909	3,013	105	3.6%	
19.8%	2,906	2,521	-385	-13.3%	
21.0%	2,570	2,498	-72	-2.8%	
22.2%	2,326	2,437	112	4.8%	
23.5%	2,263	2,404	142	6.3%	
24.7%	2,010	2,395	385	19.1%	
25.9%	1,976	2,368	392	19.8%	
27.2%	1,927	2,306	493	25.6%	
28.4%	1,811	2,306	495	27.3%	
29.6%	1,773	2,306	537	30.3%	
30.9%	1,791	2,027	235	13.1%	
32.1%	1,784	2,006	222	12.5%	
33.3%	1,771	1,924	153	8.6%	
34.6%	1,750	1,911	161	9.2%	
35.8%	1,750	1,909	159	9.1%	
37.0%	1,750	1,750	0	0.0%	
38.3%	1,750	1,750	0	0.0%	
39.5%	1,750	1,750	0	0.0%	
40.7%	1,750	1,738	-12	-0.7%	
42.0%	1,750	1,738	-12	-0.7%	
43.2%	1,750	1,736	-14	-0.8%	
44.4%	1,697	1,735	37	2.2%	
45.7%	1,686	1,734	48	2.9%	
46.9%	1,643	1,733	90	5.5%	
48.1%	1,641	1,731	90	5.5%	
49.4%	1,626	1,730	104	6.4%	
50.6%	1,609	1,730	120	7.5%	
51.9%	1,557	1,728	171	11.0%	
53.1%	1,498	1,708	209	14.0%	
54.3%	1,489	1,689	200	13.4%	
55.6%	1,488	1,674	186	12.5%	
56.8%	1,466	1,673	187	12.8%	
58.0%	1,466	1,669	183	12.5%	
59.3%	1,486	1,561	76	5.1%	
60.5%	1,485	1,561	75	5.1%	
61.7%	1,484	1,529	45	3.0%	
63.0%	1,483	1,527	44	2.9%	
64.2%	1,462	1,522	41	2.7%	
65.4%	1,482	1,510	28	1.9%	
66.7%	1,481	1,503	22	1.5%	
67.9%	1,480	1,501	21	1.4%	
69.1%	1,480	1,492	12	0.8%	
70.4%	1,480	1,492	12	0.8%	
71.6%</					

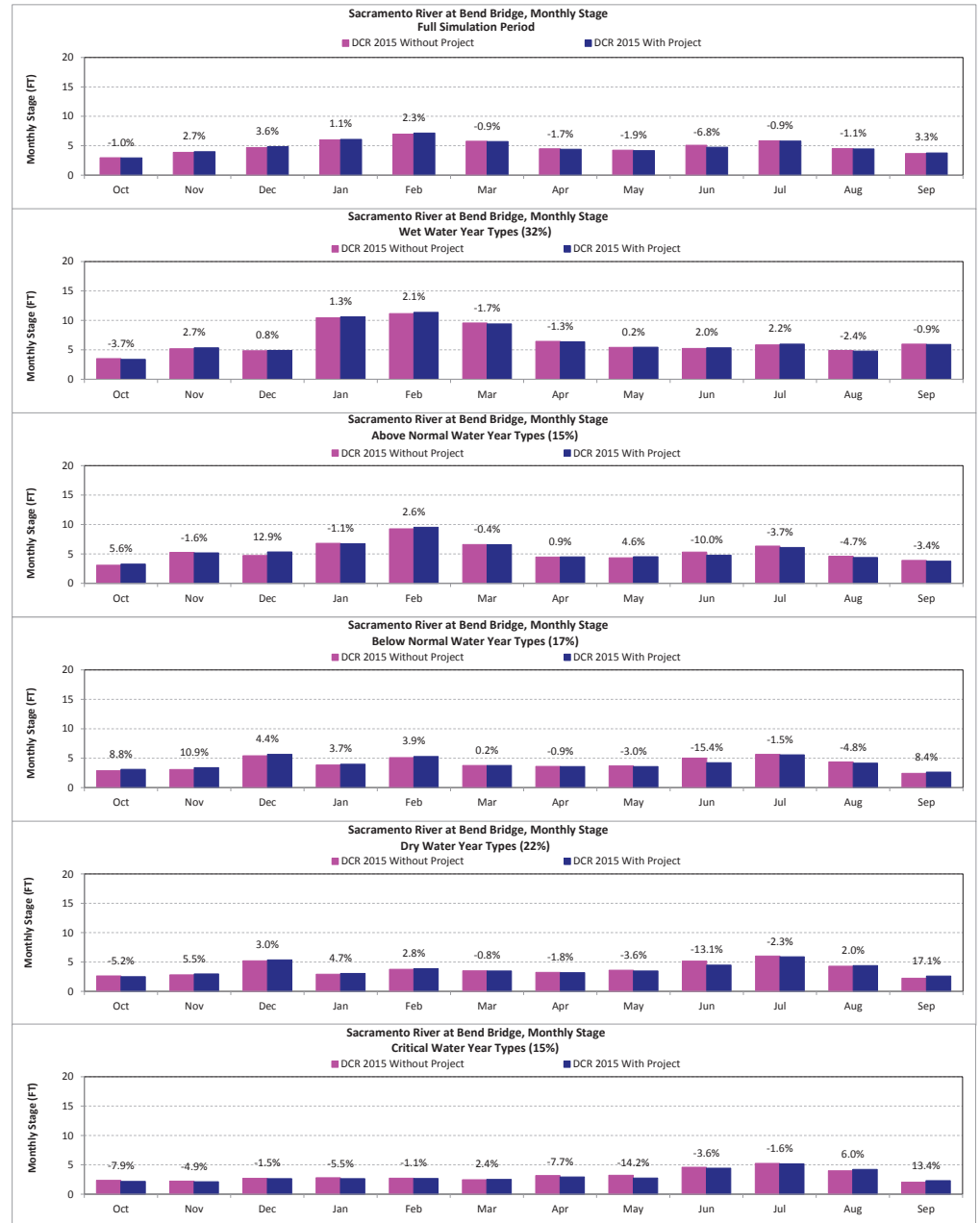
Table SW-53-a  
Sacramento River at Bend Bridge, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	3	4	5	6	7	6	4	4	5	6	4	4
DCR 2015 With Project	3	4	5	6	7	6	4	4	5	6	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	-1.0%	2.7%	3.6%	1.1%	2.3%	-0.9%	-1.7%	-1.9%	-6.8%	-0.9%	-1.1%	3.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	3	5	5	10	11	10	6	5	5	6	5	6
DCR 2015 With Project	3	5	5	11	11	9	6	5	5	6	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-3.7%	2.7%	0.8%	1.3%	2.1%	-1.7%	-1.3%	0.2%	2.0%	2.2%	-2.4%	-0.9%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	3	5	5	7	9	7	4	4	5	6	5	4
DCR 2015 With Project	3	5	5	7	10	7	4	5	5	6	4	4
Difference	0	0	1	0	0	0	0	0	-1	0	0	0
Percent Difference	5.6%	-1.6%	12.9%	-1.1%	2.6%	-0.4%	0.9%	4.6%	-10.0%	-3.7%	-4.7%	-3.4%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	3	3	5	4	5	4	4	4	5	6	4	2
DCR 2015 With Project	3	3	6	4	5	4	4	4	4	6	4	3
Difference	0	0	0	0	0	0	0	0	-1	0	0	0
Percent Difference	8.8%	10.9%	4.4%	3.7%	3.9%	0.2%	-0.9%	-3.0%	-15.4%	-1.5%	-4.8%	8.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	3	3	5	3	4	3	3	4	5	6	4	2
DCR 2015 With Project	2	3	5	3	4	3	3	3	4	6	4	3
Difference	0	0	0	0	0	0	0	0	-1	0	0	0
Percent Difference	-5.2%	5.5%	3.0%	4.7%	2.8%	-0.8%	-1.8%	-3.6%	-13.1%	-2.3%	2.0%	17.1%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	2	2	3	3	3	2	3	3	5	5	4	2
DCR 2015 With Project	2	2	3	3	3	3	3	3	4	5	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-7.9%	-4.9%	-1.5%	-5.5%	-1.1%	2.4%	-7.7%	-14.2%	-3.6%	-1.6%	6.0%	13.4%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average



**Figure SW-53-b**  
**Sacramento River at Bend Bridge, Monthly Stage**  
**Probability of Exceedance**

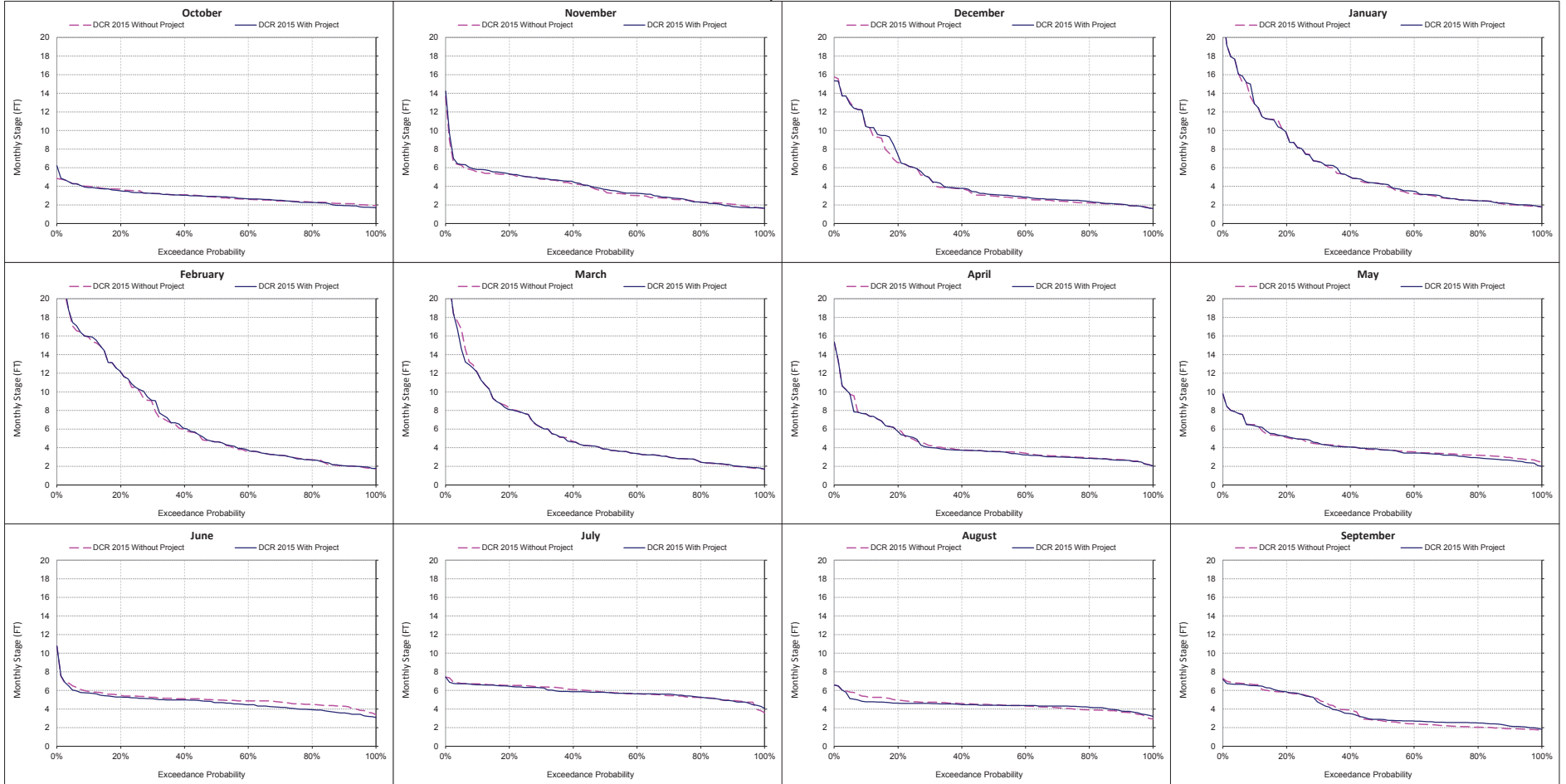


Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	5	6	1	28.2%	
1.2%	5	6	0	2.1%	
2.5%	5	5	0	0.0%	
3.7%	5	5	0	0.0%	
4.9%	4	4	0	-0.3%	
6.2%	4	4	0	-0.5%	
7.4%	4	4	0	-1.3%	
8.6%	4	4	0	-2.1%	
9.9%	4	4	0	-3.2%	
11.1%	4	4	0	-2.2%	
12.3%	4	4	0	-2.6%	
13.6%	4	4	0	-1.2%	
14.8%	4	4	0	-1.3%	
16.0%	4	4	0	-3.5%	
17.3%	4	4	0	-3.1%	
18.5%	4	4	0	-3.5%	
19.8%	4	4	0	-4.8%	
21.0%	4	3	0	-3.4%	
22.2%	4	3	0	-2.6%	
23.5%	4	3	0	-5.8%	
24.7%	4	3	0	-5.4%	
25.9%	4	3	0	-5.7%	
27.2%	3	3	0	1.2%	
28.4%	3	3	0	-0.3%	
29.6%	3	3	0	-0.1%	
30.9%	3	3	0	0.0%	
32.1%	3	3	0	-0.3%	
33.3%	3	3	0	-0.9%	
34.6%	3	3	0	-0.6%	
35.8%	3	3	0	0.1%	
37.0%	3	3	0	-0.6%	
38.3%	3	3	0	-1.1%	
39.5%	3	3	0	-1.6%	
40.7%	3	3	0	-1.3%	
42.0%	3	3	0	-2.3%	
43.2%	3	3	0	-1.8%	
44.4%	3	3	0	0.6%	
45.7%	3	3	0	1.2%	
46.9%	3	3	0	0.7%	
48.1%	3	3	0	0.9%	
49.4%	3	3	0	1.9%	
50.6%	3	3	0	2.5%	
51.9%	3	3	0	4.3%	
53.1%	3	3	0	3.6%	
54.3%	3	3	0	4.8%	
55.6%	3	3	0	5.0%	
56.8%	3	3	0	2.9%	
58.0%	3	3	0	2.5%	
59.3%	3	3	0	2.1%	
60.5%	3	3	0	2.1%	
61.7%	3	3	0	2.8%	
63.0%	3	3	0	2.7%	
64.2%	3	3	0	3.2%	
65.4%	3	3	0	2.3%	
66.7%	3	3	0	2.1%	
67.9%	2	3	0	1.9%	
69.1%	2	2	0	2.6%	
70.4%	2	2	0	2.4%	
71.6%	2	2	0	0.8%	
72.8%	2	2	0	-0.1%	
74.1%	2	2	0	-2.0%	
75.3%	2	2	0	-1.7%	
76.5%	2	2	0	-3.5%	
77.8%	2	2	0	-3.4%	
79.0%	2	2	0	-2.5%	
80.2%	2	2	0	-1.8%	
81.5%	2	2	0	-2.0%	
82.7%	2	2	0	-3.4%	
84.0%	2	2	0	-3.0%	
85.2%	2	2	0	-3.5%	
86.4%	2	2	0	-7.9%	
87.7%	2	2	0	-9.0%	
88.9%	2	2	0	-9.7%	
90.1%	2	2	0	-10.2%	
91.4%	2	2	0	-10.2%	
92.6%	2	2	0	-10.3%	
93.8%	2	2	0	-10.1%	
95.1%	2	2	0	-12.1%	
96.3%	2	2	0	-12.2%	
97.5%	2	2	0	-11.4%	
98.8%	2	2	0	-11.3%	
100.0%	2	2	0	-12.2%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	14	14	1	4.2%	
1.2%	9	10	1	9.3%	
2.5%	7	7	0	7.0%	
3.7%	6	6	0	1.3%	
4.9%	6	6	0	1.4%	
6.2%	6	6	0	8.0%	
7.4%	6	6	0	3.0%	
8.6%	6	6	0	2.9%	
9.9%	6	6	0	4.9%	
11.1%	6	6	0	4.8%	
12.3%	5	6	0	7.0%	
13.6%	5	6	0	5.4%	
14.8%	5	6	0	2.8%	
16.0%	5	6	0	3.5%	
17.3%	5	5	0	3.9%	
18.5%	5	5	0	3.0%	
19.8%	5	5	0	1.2%	
21.0%	5	5	0	0.0%	
22.2%	5	5	0	2.9%	
23.5%	5	5	0	1.0%	
24.7%	5	5	0	0.1%	
25.9%	5	5	0	0.0%	
27.2%	5	5	0	-0.9%	
28.4%	5	5	0	-1.0%	
29.6%	5	5	0	2.1%	
30.9%	5	5	0	1.9%	
32.1%	5	5	0	1.8%	
33.3%	5	5	0	0.1%	
34.6%	5	5	0	1.3%	
35.8%	5	5	0	1.8%	
37.0%	4	5	0	3.9%	
38.3%	4	5	0	3.4%	
39.5%	4	5	0	6.4%	
40.7%	4	4	0	3.4%	
42.0%	4	4	0	3.0%	
43.2%	4	4	0	-3.9%	
44.4%	4	4	0	1.6%	
45.7%	4	4	0	2.4%	
46.9%	4	4	0	4.6%	
48.1%	4	4	0	5.8%	
49.4%	4	4	0	3.1%	
50.6%	3	4	0	10.4%	
51.9%	3	4	0	8.6%	
53.1%	3	4	0	8.0%	
54.3%	3	3	0	6.2%	
55.6%	3	3	0	4.3%	
56.8%	3	3	0	4.3%	
58.0%	3	3	0	8.4%	
59.3%	3	3	0	8.0%	
60.5%	3	3	0	7.9%	
61.7%	3	3	0	7.9%	
63.0%	3	3	0	6.8%	
64.2%	3	3	0	12.6%	
65.4%	3	3	0	7.4%	
66.7%	3	3	0	6.1%	
67.9%	3	3	0	3.6%	
69.1%	3	3	0	3.8%	
70.4%	3	3	0	3.8%	
71.6%	3	3	0	5.7%	
72.8%	3	3	0	4.5%	
74.1%	3	3	0	4.4%	
75.3%	2	3	0	3.5%	
76.5%	2	2	0	-2.1%	
77.8%	2	2	0	-3.3%	
79.0%	2	2	0	-0.7%	
80.2%	2	2	0	0.8%	
81.5%	2	2	0	-0.8%	
82.7%	2	2	0	-4.3%	
84.0%	2	2	0	-3.5%	
85.2%	2	2	0	-5.0%	
86.4%	2	2	0	-7.2%	
87.7%	2	2	0	-9.3%	
88.9%	2	2	0	-9.0%	
90.1%	2	2	0	-11.9%	
91.4%	2	2	0	-13.3%	
92.6%	2	2	0	-11.6%	
93.8%	2	2	0	-9.5%	
95.1%	2	2	0	-6.0%	
96.3%	2	2	0	-5.1%	
97.5%	2	2	0	-1.0%	
98.8%	2	2	0	2.3%	
100.0%	2	2	0	0.4%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	16	15	0	-2.7%	
1.2%	16	15	0	-1.7%	
2.5%	14	14	0	-0.2%	
3.7%	14	14	0	0.0%	
4.9%	13	13	0	-1.3%	
6.2%	12	12	0	-0.7%	
7.4%	12	12	0	0.0%	
8.6%	12	12	0	-0.2%	
9.9%	10	10	0	0.7%	
11.1%	10	10	0	0.0%	
12.3%	9	10	1	10.9%	
13.6%	9	10	0	3.1%	
14.8%	9	9	0	3.1%	
16.0%	8	9	1	18.8%	
17.3%	8	9	2	23.3%	
18.5%	7	9	2	22.7%	
19.8%	7	8	1	15.0%	
21.0%	6	6	0	0.0%	
22.2%	6	6	0	0.0%	
23.5%	6	6	0	0.0%	
24.7%	6	6	0	0.8%	
25.9%	6	6	0	-1.0%	
27.2%	6	6	0	0.0%	
28.4%	5	6	0	0.0%	
29.6%	5	5	0	0.0%	
30.9%	4	4	0	0.1%	
32.1%	4	4	0	12.2%	
33.3%	4	4	0	11.5%	
34.6%	4	4	0	2.4%	
35.8%	4	4	0	0.0%	
37.0%	4	4	0	1.5%	
38.3%	4	4	0	0.8%	
39.5%	4	4	0	0.5%	
40.7%	4	4	0	2.1%	
42.0%	4	4	0	3.8%	
43.2%	3	3	0	5.8%	
44.4%	3	3	0	11.6%	
45.7%	3	3	0	6.1%	
46.9%	3	3	0	6.3%	
48.1%	3	3	0	4.0%	
49.4%	3	3	0	4.6%	
50.6%	3	3	0	5.3%	
51.9%	3	3	0	5.9%	
53.1%	3	3	0	6.5%	
54.3%	3	3	0	6.5%	
55.6%	3	3	0	7.3%	
56.8%	3	3	0	5.4%	
58.0%	3	3	0	7.0%	
59.3%	3	3	0	5.0%	
60.5%	3	3	0	6.0%	
61.7%	3	3	0	7.9%	
63.0%	3	3	0	5.8%	
64.2%	3	3	0	5.7%	
65.4%	3	3	0	4.9%	
66.7%	3	3	0	3.8%	
67.9%	2	3	0	5.3%	
69.1%	2	3	0	7.4%	
70.4%	2	3	0	5.7%	
71.6%	2	3	0	5.5%	
72.8%	2	3	0	7.1%	
74.1%	2	3	0	6.5%	
75.3%	2	2	0	9.1%	
76.5%	2	2	0	11.2%	
77.8%	2	2	0	9.7%	
79.0%	2	2	0	7.8%	
80.2%	2	2	0	6.0%	
81.5%	2	2	0	3.9%	
82.7%	2	2	0	4.6%	
84.0%	2	2	0	3.2%	
85.2%	2	2	0	1.8%	
86.4%	2	2	0	1.5%	
87.7%	2	2	0	2.0%	
88.9%	2	2	0	1.5%	
90.1%	2	2	0	0.2%	
91.4%	2	2	0	4.1%	
92.6%	2	2	0	-0.7%	
93.8%	2	2	0	-0.2%	
95.1%	2	2	0	0.1%	
96.3%	2	2	0	0.1%	
97.5%	2	2	0	-4.6%	
98.8%	2	2	0	0.1%	
100.0%	2	2	0	0.2%	

January					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	23	23	0	0.0%	
1.2%	19	19	0	0.0%	
2.5%	18	18	0	0.0%	
3.7%	18	18	0	0.0%	
4.9%	16	16	0	0.0%	
6.2%	15	16	1	4.7%	
7.4%	15	15	0	0.6%	
8.6%	14	15	1	10.0%	
9.9%	13	13	0	0.0%	
11.1%	12	12	0	0.0%	
12.3%	11	11	0	0.5%	
13.6%	11	11	0	0.0%	
14.8%	11	11	0	0.0%	
16.0%	11	11	0	-0.8%	
17.3%	11	10	-1	-6.5%	
18.5%	10	10	0	0.0%	
19.8%	10	10	0	0.0%	
21.0%	9	9	0	-0.9%	
22.2%	9	9	0	0.0%	
23.5%	8				



Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	23	23	2	10.6%	
1.2%	21	25	2	9.3%	
2.5%	20	21	1	5.2%	
3.7%	19	19	0	0.0%	
4.9%	17	17	0	2.3%	
6.2%	17	17	1	3.2%	
7.4%	16	16	0	0.0%	
8.6%	16	16	0	0.0%	
9.9%	16	16	0	0.3%	
11.1%	15	15	1	3.3%	
12.3%	15	16	0	2.0%	
13.6%	15	15	0	0.0%	
14.8%	14	14	0	0.0%	
16.0%	13	13	0	0.0%	
17.3%	13	13	0	0.0%	
18.5%	13	13	0	0.0%	
19.8%	12	12	0	0.0%	
21.0%	12	12	0	0.0%	
22.2%	11	11	0	0.0%	
23.5%	10	11	0	3.4%	
24.7%	10	10	0	0.0%	
25.9%	10	10	0	1.5%	
27.2%	9	10	1	8.4%	
28.4%	9	9	0	3.9%	
29.6%	9	9	0	3.4%	
30.9%	8	9	1	14.8%	
32.1%	7	8	1	7.0%	
33.3%	7	7	0	4.8%	
34.6%	7	7	0	4.9%	
35.8%	7	7	0	0.0%	
37.0%	7	7	0	2.0%	
38.3%	6	7	0	7.1%	
39.5%	6	6	0	2.0%	
40.7%	6	6	0	4.4%	
42.0%	6	6	0	1.6%	
43.2%	6	6	0	0.9%	
44.4%	5	5	0	0.0%	
45.7%	5	5	0	6.5%	
46.9%	5	5	0	1.3%	
48.1%	5	5	0	0.0%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	4	4	0	2.0%	
54.3%	4	4	0	1.7%	
55.6%	4	4	0	5.8%	
56.8%	4	4	0	3.3%	
58.0%	4	4	0	2.5%	
59.3%	4	4	0	5.0%	
60.5%	4	4	0	0.2%	
61.7%	4	4	0	1.0%	
63.0%	4	4	0	0.0%	
64.2%	3	3	0	-0.0%	
65.4%	3	3	0	0.1%	
66.7%	3	3	0	0.0%	
67.9%	3	3	0	0.0%	
69.1%	3	3	0	0.0%	
70.4%	3	3	0	0.0%	
71.6%	3	3	0	0.0%	
72.8%	3	3	0	0.0%	
74.1%	3	3	0	0.0%	
75.3%	3	3	0	-3.0%	
76.5%	3	3	0	-0.1%	
77.8%	3	3	0	-3.2%	
79.0%	3	3	0	0.0%	
80.2%	3	3	0	-1.3%	
81.5%	3	3	0	-0.7%	
82.7%	3	2	0	-5.5%	
84.0%	2	2	0	2.6%	
85.2%	2	2	0	8.9%	
86.4%	2	2	0	0.4%	
87.7%	2	2	0	2.8%	
88.9%	2	2	0	0.3%	
90.1%	2	2	0	0.4%	
91.4%	2	2	0	-8.0%	
92.6%	2	2	0	0.0%	
93.8%	2	2	0	0.0%	
95.1%	2	2	0	0.1%	
96.3%	2	2	0	3.5%	
97.5%	2	2	0	6.2%	
98.8%	2	2	0	0.1%	
100.0%	2	2	0	1.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	22	23	1	3.7%	
1.2%	22	22	0	0.1%	
2.5%	18	18	0	0.0%	
3.7%	18	17	-1	-4.7%	
4.9%	17	15	-2	-12.7%	
6.2%	15	13	-1	-9.5%	
7.4%	13	13	0	-2.5%	
8.6%	13	13	0	-2.9%	
9.9%	12	12	0	0.0%	
11.1%	11	11	0	0.0%	
12.3%	11	11	0	0.0%	
13.6%	10	10	0	0.0%	
14.8%	9	9	0	0.0%	
16.0%	9	9	0	0.0%	
17.3%	9	9	0	0.0%	
18.5%	9	8	0	-2.9%	
19.8%	8	8	0	-2.8%	
21.0%	8	8	0	0.0%	
22.2%	8	8	0	-1.2%	
23.5%	8	8	0	1.1%	
24.7%	8	8	0	0.0%	
25.9%	8	8	0	0.0%	
27.2%	7	7	0	2.0%	
28.4%	6	6	0	0.0%	
29.6%	6	6	0	0.0%	
30.9%	6	6	0	-0.8%	
32.1%	4	6	0	0.0%	
33.3%	5	5	0	0.0%	
34.6%	5	5	0	0.0%	
35.8%	5	5	0	1.1%	
37.0%	5	5	0	0.0%	
38.3%	5	5	0	-7.2%	
39.5%	5	5	0	-2.0%	
40.7%	5	5	0	0.0%	
42.0%	4	4	0	0.0%	
43.2%	4	4	0	0.0%	
44.4%	4	4	0	0.1%	
45.7%	4	4	0	0.0%	
46.9%	4	4	0	-0.1%	
48.1%	4	4	0	0.0%	
49.4%	4	4	0	0.0%	
50.6%	4	4	0	0.1%	
51.9%	4	4	0	0.0%	
53.1%	4	4	0	0.0%	
54.3%	4	4	0	0.0%	
55.6%	4	4	0	0.0%	
56.8%	4	4	0	0.0%	
58.0%	3	3	0	0.0%	
59.3%	3	3	0	0.1%	
60.5%	3	3	0	0.1%	
61.7%	3	3	0	0.0%	
63.0%	3	3	0	0.0%	
64.2%	3	3	0	0.0%	
65.4%	3	3	0	0.0%	
66.7%	3	3	0	0.0%	
67.9%	3	3	0	0.0%	
69.1%	3	3	0	0.1%	
70.4%	3	3	0	-0.2%	
71.6%	3	3	0	0.0%	
72.8%	3	3	0	0.0%	
74.1%	3	3	0	0.0%	
75.3%	3	3	0	0.0%	
76.5%	3	3	0	0.1%	
77.8%	3	3	0	0.0%	
79.0%	3	3	0	0.0%	
80.2%	2	2	0	2.3%	
81.5%	2	2	0	0.5%	
82.7%	2	2	0	0.9%	
84.0%	2	2	0	2.1%	
85.2%	2	2	0	0.4%	
86.4%	2	2	0	2.5%	
87.7%	2	2	0	1.2%	
88.9%	2	2	0	4.7%	
90.1%	2	2	0	1.4%	
91.4%	2	2	0	2.3%	
92.6%	2	2	0	1.3%	
93.8%	2	2	0	2.0%	
95.1%	2	2	0	3.2%	
96.3%	2	2	0	2.0%	
97.5%	2	2	0	4.7%	
98.8%	2	2	0	2.8%	
100.0%	2	2	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	15	15	0	0.0%	
1.2%	13	13	0	0.0%	
2.5%	11	11	0	0.0%	
3.7%	10	10	0	-0.1%	
4.9%	10	10	0	0.4%	
6.2%	10	8	-2	-18.2%	
7.4%	8	8	0	0.0%	
8.6%	8	8	0	0.0%	
9.9%	8	8	0	0.0%	
11.1%	7	7	0	0.0%	
12.3%	7	7	0	0.0%	
13.6%	7	7	0	0.0%	
14.8%	7	7	0	0.0%	
16.0%	6	6	0	0.0%	
17.3%	6	6	0	0.0%	
18.5%	6	6	0	0.0%	
19.8%	6	6	0	-1.4%	
21.0%	5	5	0	-6.6%	
22.2%	5	5	0	1.7%	
23.5%	5	5	0	2.1%	
24.7%	5	5	0	3.7%	
25.9%	5	5	0	4.7%	
27.2%	4	7	0	-6.2%	
28.4%	4	4	0	-7.9%	
29.6%	4	4	0	-4.9%	
30.9%	4	4	0	-5.0%	
32.1%	4	4	0	-2.2%	
33.3%	4	4	0	-4.0%	
34.6%	4	4	0	-3.5%	
35.8%	4	4	0	-3.3%	
37.0%	4	4	0	-3.3%	
38.3%	4	4	0	-1.3%	
39.5%	4	4	0	-1.7%	
40.7%	4	4	0	-1.1%	
42.0%	4	4	0	-0.6%	
43.2%	4	4	0	0.0%	
44.4%	4	4	0	-0.6%	
45.7%	4	4	0	-0.7%	
46.9%	4	4	0	0.8%	
48.1%	4	4	0	-0.2%	
49.4%	4	4	0	-0.4%	
50.6%	4	4	0	-0.8%	
51.9%	4	4	0	-0.3%	
53.1%	4	4	0	-0.2%	
54.3%	4	3	0	-1.6%	
55.6%	4	3	0	-4.7%	
56.8%	4	3	0	-4.2%	
58.0%	4	3	0	-5.8%	
59.3%	3	3	0	-6.2%	
60.5%	3	3	0	-4.9%	
61.7%	3	3	0	-4.7%	
63.0%	3	3	0	-2.5%	
64.2%	3	3	0	-1.0%	
65.4%	3	3	0	-3.2%	
66.7%	3	3	0	-4.2%	
67.9%	3	3	0	-3.1%	
69.1%	3	3	0	-3.3%	
70.4%	3	3	0	-2.2%	
71.6%	3	3	0	-1.8%	
72.8%	3	3	0	-2.9%	
74.1%	3	3	0	-2.1%	
75.3%	3	3	0	-2.1%	
76.5%	3	3	0	-2.2%	
77.8%	3	3	0	-3.0%	
79.0%	3	3	0	-2.1%	
80.2%	3	3	0	-1.2%	
81.5%	3	3	0	-2.0%	
82.7%	3	3	0	-1.0%	
84.0%	3	3	0	-0.6%	
85.2%	3	3	0	-0.8%	
86.4%	3	3	0	-2.1%	
87.7%	3	3	0	-2.4%	
88.9%	3	3	0	-2.6%	
90.1%	3	3	0	-2.1%	
91.4%	3	3	0	-1.2%	
92.6%	3	3	0	0.9%	
93.8%	3	3	0	-1.9%	
95.1%	3	3	0	-2.6%	
96.3%	2	2	0	5.5%	
97.5%	2	2	0	-2.6%	
98.8%	2	2	0	0.1%	
100.0%	2	2	0	0.0%	

May					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	10	10	0	0.0%	
1.2%	8	8	0	0.0%	
2.5%	8	8	0	0.0%	
3.7%	8	8	0	0.0%	
4.9%	8	8	0	0.0%	
6.2%	8	8	0	0.0%	
7.4%	7	6	0	-0.7%	
8.6%	6	6	0	-0.7%	
9.9%	6	6	0	-1.8%	
11.1%	6	6	0	-0.6%	
12.3%	6	6	0	6.5%	
13.6%	5	6	0	5.8%	
14.8%	5	6	0	2.9%	
16.0%	5	5	0	2.5%	
17.3%	5	5	0	1.2%	
18.5%	5	5	0	0.7%	
19.8%	5	5	0	2.9%	
21.0%	5	5	0	1.9%	
22.2%	5	5	0	1.7%	
23.5%	5				

Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	11	11	0	0.0%	
1.2%	8	7	0	0.0%	
2.5%	7	7	0	-1.2%	
3.7%	7	6	0	-4.6%	
4.9%	6	6	0	-7.2%	
6.2%	6	6	0	-6.1%	
7.4%	6	6	0	-5.4%	
8.6%	6	6	0	-4.1%	
9.9%	6	6	0	2.9%	
11.1%	6	6	0	-2.3%	
12.3%	6	6	0	-3.1%	
13.6%	6	5	0	-4.8%	
14.8%	6	5	0	-4.2%	
16.0%	6	5	0	-3.5%	
17.3%	6	5	0	-4.3%	
18.5%	6	5	0	-4.6%	
19.8%	5	5	0	-3.7%	
21.0%	5	5	0	-2.6%	
22.2%	5	5	0	-2.6%	
23.5%	5	5	0	-3.4%	
24.7%	5	5	0	-3.5%	
25.9%	5	5	0	-3.7%	
27.2%	5	5	0	-3.7%	
28.4%	5	5	0	-3.5%	
29.6%	5	5	0	-2.8%	
30.9%	5	5	0	-3.5%	
32.1%	5	5	0	-2.8%	
33.3%	5	5	0	-2.8%	
34.6%	5	5	0	-3.7%	
35.8%	5	5	0	-3.6%	
37.0%	5	5	0	-2.7%	
38.3%	5	5	0	-2.8%	
39.5%	5	5	0	-2.8%	
40.7%	5	5	0	-2.8%	
42.0%	5	5	0	-2.8%	
43.2%	5	5	0	-2.8%	
44.4%	5	5	0	-3.5%	
45.7%	5	5	0	-3.8%	
46.9%	5	5	0	-3.5%	
48.1%	5	5	0	-3.6%	
49.4%	5	5	0	-5.5%	
50.6%	5	5	0	-5.5%	
51.9%	5	5	0	-5.5%	
53.1%	5	5	0	-6.0%	
54.3%	5	5	0	-6.0%	
55.6%	5	5	0	-7.5%	
56.8%	5	5	0	-6.7%	
58.0%	5	5	0	-7.5%	
59.3%	5	4	0	-8.7%	
60.5%	5	4	0	-8.7%	
61.7%	5	4	0	-8.7%	
63.0%	5	4	-1	-11.2%	
64.2%	5	4	-1	-11.2%	
65.4%	5	4	-1	-11.2%	
66.7%	5	4	-1	-12.2%	
67.9%	5	4	-1	-12.3%	
69.1%	5	4	-1	-12.1%	
70.4%	5	4	-1	-11.6%	
71.6%	5	4	-1	-11.1%	
72.8%	5	4	-1	-11.7%	
74.1%	5	4	-1	-11.1%	
75.3%	5	4	-1	-12.1%	
76.5%	5	4	-1	-12.4%	
77.8%	5	4	-1	-12.0%	
79.0%	5	4	-1	-12.5%	
80.2%	5	4	-1	-12.6%	
81.5%	4	4	-1	-12.9%	
82.7%	4	4	-1	-12.1%	
84.0%	4	4	-1	-12.8%	
85.2%	4	4	-1	-14.2%	
86.4%	4	4	-1	-15.3%	
87.7%	4	4	-1	-16.2%	
88.9%	4	4	-1	-17.4%	
90.1%	4	4	-1	-17.1%	
91.4%	4	4	-1	-17.0%	
92.6%	4	3	-1	-14.7%	
93.8%	4	3	-1	-14.3%	
95.1%	4	3	0	-11.2%	
96.3%	4	3	-1	-14.8%	
97.5%	4	3	0	-11.7%	
98.8%	4	3	0	-11.0%	
100.0%	3	3	0	-9.1%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	-6.4%	
2.5%	7	7	0	-2.0%	
3.7%	7	7	0	-1.9%	
4.9%	7	7	0	-0.6%	
6.2%	7	7	0	-0.6%	
7.4%	7	7	0	-0.1%	
8.6%	7	7	0	-1.3%	
9.9%	7	7	0	-1.3%	
11.1%	7	7	0	-1.3%	
12.3%	7	7	0	-1.3%	
13.6%	7	7	0	-0.6%	
14.8%	7	7	0	-0.7%	
16.0%	7	7	0	-1.2%	
17.3%	7	6	0	-1.3%	
18.5%	7	6	0	-0.9%	
19.8%	7	6	0	-1.4%	
21.0%	7	6	0	-2.0%	
22.2%	7	6	0	-2.6%	
23.5%	7	6	0	-2.5%	
24.7%	7	6	0	-3.1%	
25.9%	6	6	0	-2.5%	
27.2%	6	6	0	-1.8%	
28.4%	6	6	0	-1.2%	
29.6%	6	6	0	-1.4%	
30.9%	6	6	0	-1.4%	
32.1%	6	6	0	-5.2%	
33.3%	6	6	0	-4.8%	
34.6%	6	6	0	-6.0%	
35.8%	6	6	0	-6.0%	
37.0%	6	6	0	-5.5%	
38.3%	6	6	0	-4.1%	
39.5%	6	6	0	-4.0%	
40.7%	6	6	0	-3.7%	
42.0%	6	6	0	-3.6%	
43.2%	6	6	0	-2.9%	
44.4%	6	6	0	-2.9%	
45.7%	6	6	0	-2.2%	
46.9%	6	6	0	-2.2%	
48.1%	6	6	0	-0.8%	
49.4%	6	6	0	-0.2%	
50.6%	6	6	0	0.7%	
51.9%	6	6	0	-0.7%	
53.1%	6	6	0	-0.9%	
54.3%	6	6	0	-0.9%	
55.6%	6	6	0	-0.9%	
56.8%	6	6	0	0.8%	
58.0%	6	6	0	0.8%	
59.3%	6	6	0	0.1%	
60.5%	6	6	0	0.0%	
61.7%	6	6	0	0.6%	
63.0%	6	6	0	0.8%	
64.2%	6	6	0	0.7%	
65.4%	6	6	0	1.5%	
66.7%	6	6	0	1.0%	
67.9%	5	6	0	1.8%	
69.1%	5	6	0	2.6%	
70.4%	5	6	0	2.6%	
71.6%	5	6	0	1.9%	
72.8%	5	5	0	1.7%	
74.1%	5	5	0	1.8%	
75.3%	5	5	0	2.0%	
76.5%	5	5	0	2.5%	
77.8%	5	5	0	1.9%	
79.0%	5	5	0	0.8%	
80.2%	5	5	0	0.9%	
81.5%	5	5	0	-0.1%	
82.7%	5	5	0	-0.8%	
84.0%	5	5	0	0.0%	
85.2%	5	5	0	0.0%	
86.4%	5	5	0	0.9%	
87.7%	5	5	0	-0.7%	
88.9%	5	5	0	-0.7%	
90.1%	5	5	0	-1.0%	
91.4%	5	5	0	-2.7%	
92.6%	4	5	0	-2.0%	
93.8%	5	5	0	-0.8%	
95.1%	5	5	0	-2.3%	
96.3%	5	4	0	-5.8%	
97.5%	4	4	0	11.9%	
98.8%	4	4	0	12.2%	
100.0%	4	4	0	13.0%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	6	6	0	0.0%	
2.5%	6	6	0	0.0%	
3.7%	6	6	0	-2.3%	
4.9%	6	5	-1	-12.2%	
6.2%	6	5	-1	-12.3%	
7.4%	6	5	-1	-11.1%	
8.6%	5	5	-1	-10.5%	
9.9%	5	5	-1	-10.7%	
11.1%	5	5	0	-9.1%	
12.3%	5	5	0	-9.2%	
13.6%	5	5	-1	-9.8%	
14.8%	5	5	-1	-9.8%	
16.0%	5	5	0	-9.0%	
17.3%	5	5	0	-8.9%	
18.5%	5	5	0	-7.7%	
19.8%	5	5	0	-6.7%	
21.0%	5	5	0	-6.7%	
22.2%	5	5	0	-5.2%	
23.5%	6	6	0	-4.9%	
24.7%	5	5	0	-3.8%	
25.9%	5	5	0	-3.8%	
27.2%	5	5	0	-3.0%	
28.4%	5	5	0	-3.0%	
29.6%	5	5	0	-3.0%	
30.9%	5	5	0	-2.9%	
32.1%	5	5	0	-3.0%	
33.3%	5	5	0	-3.0%	
34.6%	5	5	0	-3.0%	
35.8%	5	5	0	-1.9%	
37.0%	5	5	0	-1.9%	
38.3%	5	5	0	-2.7%	
39.5%	5	5	0	-1.9%	
40.7%	4	4	0	-2.3%	
42.0%	5	4	0	-2.3%	
43.2%	5	4	0	-2.1%	
44.4%	5	4	0	-1.2%	
45.7%	5	4	0	-1.9%	
46.9%	5	4	0	-1.9%	
48.1%	5	4	0	-1.9%	
49.4%	4	4	0	-1.0%	
50.6%	4	4	0	-0.9%	
51.9%	4	4	0	-0.9%	
53.1%	4	4	0	-0.8%	
54.3%	4	4	0	-0.7%	
55.6%	4	4	0	0.1%	
56.8%	4	4	0	0.0%	
58.0%	4	4	0	0.0%	
59.3%	4	4	0	1.0%	
60.5%	4	4	0	1.2%	
61.7%	4	4	0	1.6%	
63.0%	4	4	0	2.1%	
64.2%	4	4	0	2.2%	
65.4%	4	4	0	2.6%	
66.7%	4	4	0	2.7%	
67.9%	4	4	0	3.3%	
69.1%	4	4	0	3.7%	
70.4%	4	4	0	4.7%	
71.6%	4	4	0	5.3%	
72.8%	4	4	0	6.3%	
74.1%	4	4	0	6.1%	
75.3%	4	4	0	7.3%	
76.5%	4	4	0	8.0%	
77.8%	4	4	0	7.9%	
79.0%	4	4	0	7.9%	
80.2%	4	4	0	7.1%	
81.5%	4	4	0	6.8%	
82.7%	4	4	0	6.8%	
84.0%	4	4	0	6.8%	
85.2%	4	4	0	5.0%	
86.4%	4	4	0	4.1%	
87.7%	4	4	0	3.3%	
88.9%	4	4	0	3.5%	
90.1%	4	4	0	3.4%	
91.4%	4	4	0	3.0%	
92.6%	4	4	0	3.6%	
93.8%	4	4	0	2.5%	
95.1%	3	4	0	5.2%	
96.3%	3	3	0	1.9%	
97.5%	3	3	0	5.4%	
98.8%	3	3	0	10.9%	
100.0%	3	3	0	9.1%	

September					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	-1.2%	
1.2%	7	7	0	-3.5%	
2.5%	7	7	0	-2.5%	
3.7%	7	7	0	-1.8%	
4.9%	7	7	0	-1.8%	
6.2%	7	7	0	-1.2%	
7.4%	7	7	0	-1.9%	
8.6%	7	7	0	-2.1%	
9.9%	7	7	0	-1.3%	
11.1%	7	6	0	-2.0%	
12.3%	6	6	0	6.1%	
13.6%	6	6	0	4.2%	
14.8%	6	6	0	5.6%	
16.0%	6	6	0	3.1%	
17.3%	6	6	0	2.1%	
18.5%	6	6	0	0.7%	
19.8%	6	6	0	2.0%	
21.0%	6	6	0	0.0%	
22.2%	6	6	0	1.7%	
23.5%	6	6	0	0.8%	
24.7%	6				

Table SW-54-a  
Sacramento River below Hamilton City, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	29	30	31	32	33	32	30	30	30	30	30	30
DCR 2015 With Project	29	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	0.0%	0.1%	-0.5%	-0.8%	-0.7%	-1.4%	-0.4%	-0.1%	-0.3%	0.3%	0.1%	0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	30	31	31	35	35	34	32	31	30	30	30	31
DCR 2015 With Project	30	31	31	35	35	34	32	31	30	30	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.1%	-0.7%	-0.5%	-0.2%	-1.1%	-0.4%	-0.2%	0.2%	0.3%	-0.4%	0.0%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	30	31	31	32	34	32	30	30	30	31	30	30
DCR 2015 With Project	30	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.3%	-0.3%	-0.7%	-1.5%	-0.9%	-1.8%	-0.8%	0.0%	-0.5%	0.3%	-0.2%	-0.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	29	30	31	31	31	31	30	30	30	30	30	29
DCR 2015 With Project	30	30	31	30	31	30	30	30	30	30	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.7%	0.6%	-0.3%	-1.1%	-0.7%	-1.9%	-0.7%	-0.2%	-1.0%	0.5%	0.1%	0.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	29	30	31	30	30	30	29	30	30	31	30	29
DCR 2015 With Project	29	30	31	30	30	30	29	30	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.1%	-0.3%	-0.6%	-1.2%	-1.6%	-0.3%	0.2%	-0.6%	0.3%	0.4%	1.0%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	29	29	30	30	30	30	29	29	30	30	30	29
DCR 2015 With Project	29	29	30	29	29	29	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	-0.3%	-0.6%	-0.9%	-1.3%	-0.6%	0.0%	-0.5%	0.0%	0.3%	0.9%	0.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

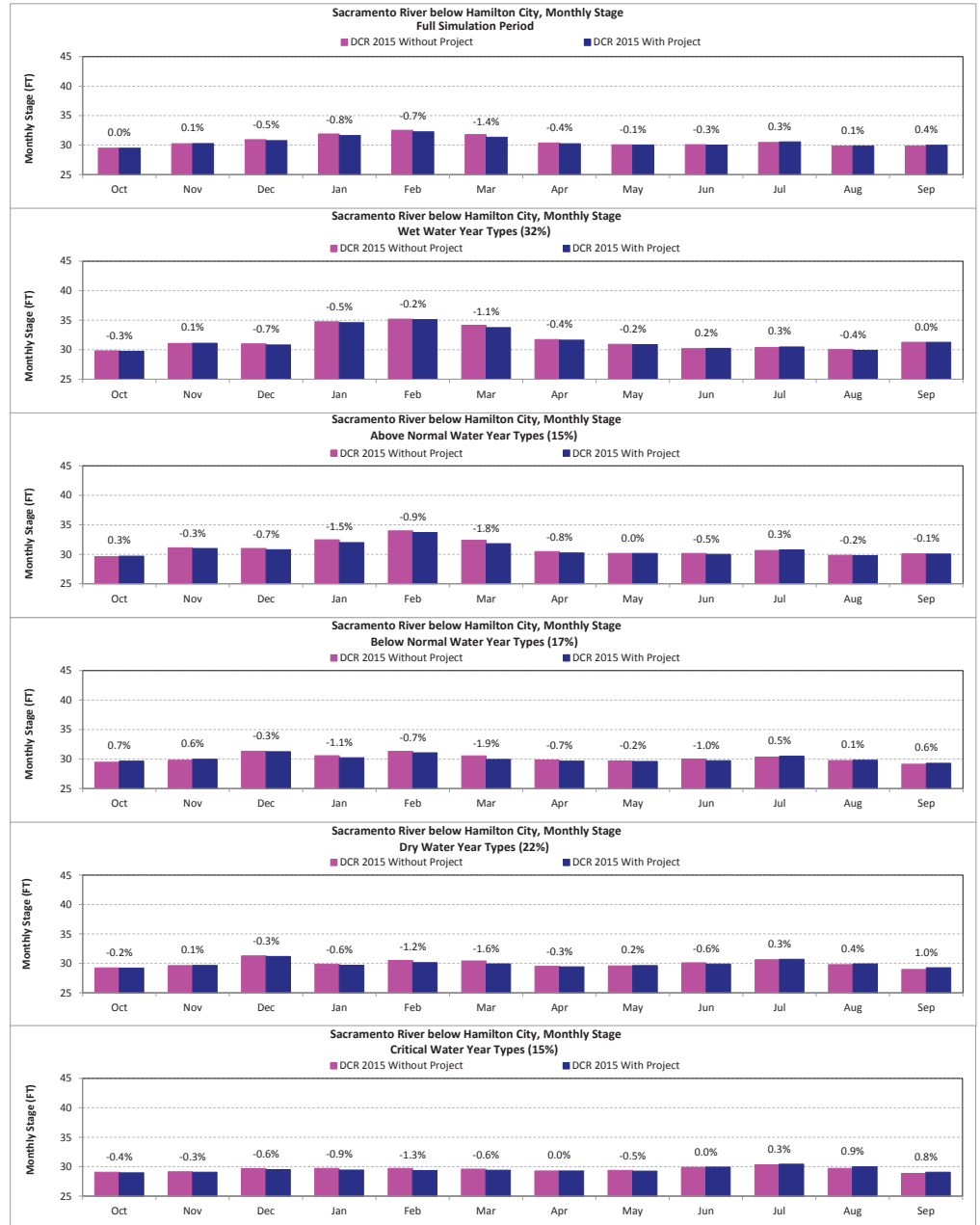


Figure SW-54-b  
 Sacramento River below Hamilton City, Monthly Stage  
 Probability of Exceedance

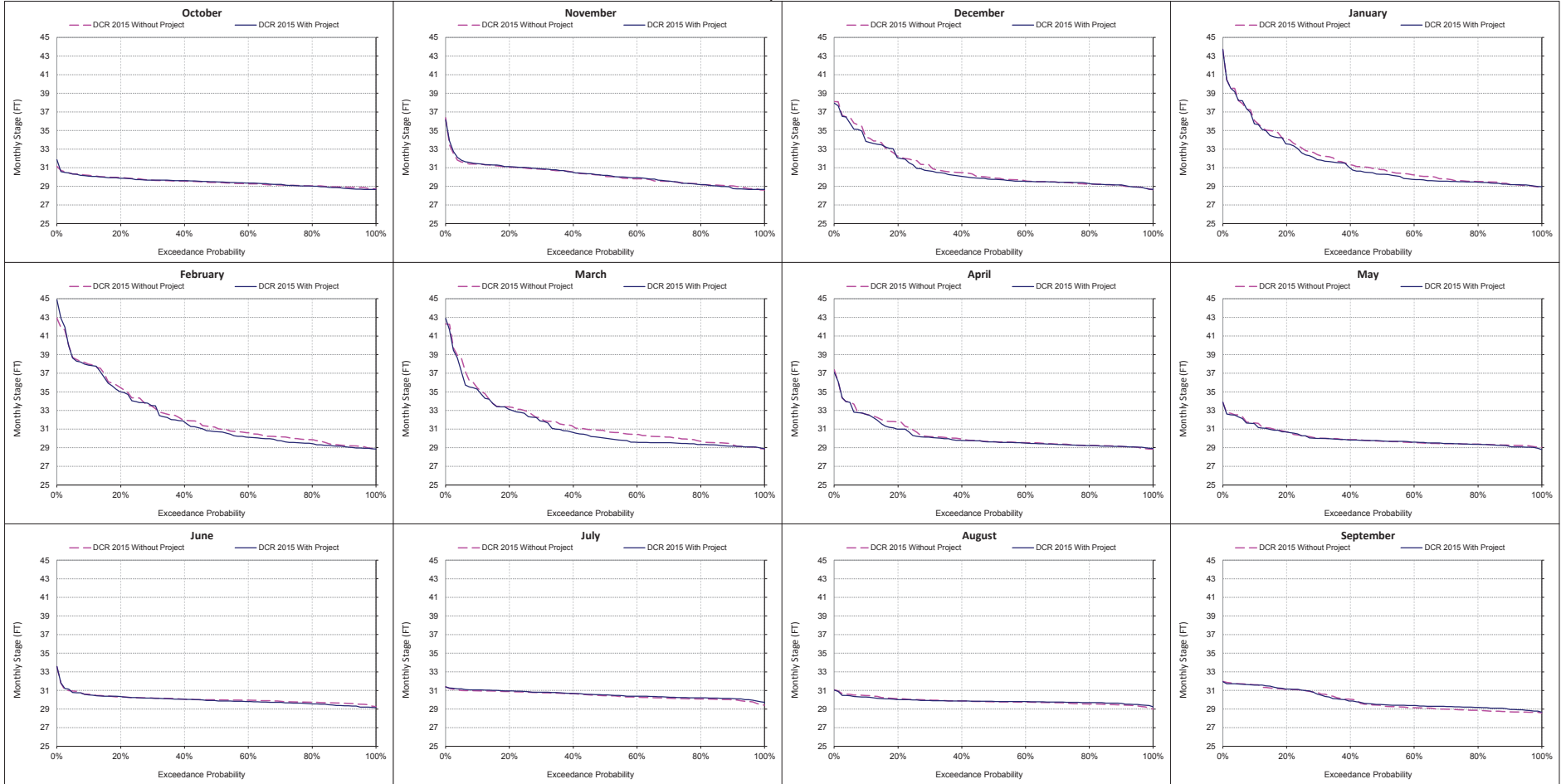


Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	2.3%
1.2%	31	30	0	-0.5%
2.5%	31	30	0	-0.3%
3.7%	30	30	0	-0.1%
4.9%	30	30	0	0.0%
6.2%	30	30	0	-0.1%
7.4%	30	30	0	-0.4%
8.6%	30	30	0	-0.2%
9.9%	30	30	0	-0.3%
11.1%	30	30	0	-0.2%
12.3%	30	30	0	-0.1%
13.6%	30	30	0	-0.1%
14.8%	30	30	0	-0.1%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.2%
18.5%	30	30	0	-0.2%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.2%
22.2%	30	30	0	-0.2%
23.5%	30	30	0	-0.1%
24.7%	30	30	0	-0.3%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.1%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	0.0%
30.9%	30	30	0	0.1%
32.1%	30	30	0	0.1%
33.3%	30	30	0	0.2%
34.6%	30	30	0	0.2%
35.8%	30	30	0	0.1%
37.0%	30	30	0	0.1%
38.3%	30	30	0	0.1%
39.5%	30	30	0	0.1%
40.7%	30	30	0	0.2%
42.0%	30	30	0	0.2%
43.2%	30	30	0	0.2%
44.4%	30	30	0	0.1%
45.7%	29	30	0	0.1%
46.9%	29	30	0	0.3%
48.1%	29	30	0	0.3%
49.4%	29	29	0	0.3%
50.6%	29	29	0	0.3%
51.9%	29	29	0	0.2%
53.1%	29	29	0	0.3%
54.3%	29	29	0	0.2%
55.6%	29	29	0	0.3%
56.8%	29	29	0	0.3%
58.0%	29	29	0	0.3%
59.3%	29	29	0	0.3%
60.5%	29	29	0	0.3%
61.7%	29	29	0	0.3%
63.0%	29	29	0	0.2%
64.2%	29	29	0	0.2%
65.4%	29	29	0	0.3%
66.7%	29	29	0	0.2%
67.9%	29	29	0	0.2%
69.1%	29	29	0	0.2%
70.4%	29	29	0	0.2%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.0%
75.3%	29	29	0	-0.1%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	0.0%
79.0%	29	29	0	-0.1%
80.2%	29	29	0	-0.1%
81.5%	29	29	0	-0.1%
82.7%	29	29	0	-0.3%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.3%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.3%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.5%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.7%
95.1%	29	29	0	-0.7%
96.3%	29	29	0	-0.6%
97.5%	29	29	0	-0.4%
98.8%	29	29	0	0.3%
100.0%	29	29	0	-0.3%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	36	36	0	-0.6%
1.2%	36	34	0	1.3%
2.5%	33	33	0	0.7%
3.7%	32	32	0	1.0%
4.9%	32	32	0	0.6%
6.2%	32	32	0	0.3%
7.4%	31	32	0	0.6%
8.6%	31	31	0	0.3%
9.9%	31	31	0	0.1%
11.1%	31	31	0	0.1%
12.3%	31	31	0	0.0%
13.6%	31	31	0	0.0%
14.8%	31	31	0	0.3%
16.0%	31	31	0	0.2%
17.3%	31	31	0	0.2%
18.5%	31	31	0	0.1%
19.8%	31	31	0	0.2%
21.0%	31	31	0	0.2%
22.2%	31	31	0	0.1%
23.5%	31	31	0	0.2%
24.7%	31	31	0	0.1%
25.9%	31	31	0	0.3%
27.2%	31	31	0	0.2%
28.4%	31	31	0	0.1%
29.6%	31	31	0	0.1%
30.9%	31	31	0	0.1%
32.1%	31	31	0	0.1%
33.3%	31	31	0	0.1%
34.6%	31	31	0	0.3%
35.8%	31	31	0	0.0%
37.0%	31	31	0	0.1%
38.3%	31	31	0	-0.2%
39.5%	31	31	0	0.1%
40.7%	31	30	0	-0.3%
42.0%	30	30	0	0.2%
43.2%	30	30	0	0.0%
44.4%	30	30	0	0.1%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.1%
48.1%	30	30	0	-0.1%
49.4%	30	30	0	0.3%
50.6%	30	30	0	0.4%
51.9%	30	30	0	0.3%
53.1%	30	30	0	0.0%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.5%
56.8%	30	30	0	0.5%
58.0%	30	30	0	0.4%
59.3%	30	30	0	0.4%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.3%
63.0%	30	30	0	0.2%
64.2%	30	30	0	0.2%
65.4%	30	30	0	0.6%
66.7%	30	30	0	0.2%
67.9%	30	30	0	0.3%
69.1%	30	30	0	0.1%
70.4%	30	30	0	0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	-0.2%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.0%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.2%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.0%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.3%
86.4%	29	29	0	-0.5%
87.7%	29	29	0	-0.4%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-1.0%
91.4%	29	29	0	-0.8%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.3%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	-0.4%
1.2%	38	38	0	-1.2%
2.5%	37	37	0	-0.5%
3.7%	36	36	0	0.0%
4.9%	36	36	-1	-1.7%
6.2%	36	35	-1	-1.9%
7.4%	36	35	0	-1.4%
8.6%	35	35	0	-1.4%
9.9%	34	34	0	-1.4%
11.1%	34	34	0	-1.3%
12.3%	34	34	0	-0.8%
13.6%	34	34	0	-1.1%
14.8%	34	33	0	-0.7%
16.0%	33	33	0	0.3%
17.3%	33	33	0	0.7%
18.5%	33	33	0	1.3%
19.8%	32	32	0	-0.6%
21.0%	32	32	0	-0.4%
22.2%	32	32	0	-0.2%
23.5%	32	32	0	-1.3%
24.7%	32	31	0	-1.5%
25.9%	32	31	-1	-2.7%
27.2%	31	31	0	-1.5%
28.4%	31	31	-1	-2.0%
29.6%	31	31	-1	-2.2%
30.9%	31	31	0	-0.9%
32.1%	31	30	0	-0.9%
33.3%	31	30	0	-0.8%
34.6%	31	30	0	-0.7%
35.8%	31	30	0	-1.0%
37.0%	31	30	0	-1.0%
38.3%	31	30	0	-1.2%
39.5%	30	30	0	-1.3%
40.7%	30	30	0	-1.4%
42.0%	30	30	0	-1.5%
43.2%	30	30	0	-1.4%
44.4%	30	30	0	-0.7%
45.7%	30	30	0	-0.6%
46.9%	30	30	0	-0.6%
48.1%	30	30	0	-0.6%
49.4%	30	30	0	-0.8%
50.6%	30	30	0	-0.5%
51.9%	30	30	0	-0.5%
53.1%	30	30	0	-0.2%
54.3%	30	30	0	-0.3%
55.6%	30	30	0	-0.3%
56.8%	30	30	0	-0.5%
58.0%	30	30	0	-0.5%
59.3%	30	30	0	-0.3%
60.5%	30	30	0	-0.1%
61.7%	30	30	0	-0.1%
63.0%	30	30	0	0.0%
64.2%	30	29	0	0.0%
65.4%	30	29	0	0.0%
66.7%	29	29	0	0.0%
67.9%	29	29	0	0.0%
69.1%	29	29	0	0.0%
70.4%	29	29	0	0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.2%
75.3%	29	29	0	0.3%
76.5%	29	29	0	0.4%
77.8%	29	29	0	0.5%
79.0%	29	29	0	0.4%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.0%
84.0%	29	29	0	-0.1%
85.2%	29	29	0	0.0%
86.4%	29	29	0	0.0%
87.7%	29	29	0	0.0%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.0%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.1%

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	40	40	0	0.0%
2.5%	40	40	0	0.0%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.0%
6.2%	38	38	0	0.8%
7.4%	37	37	0	0.3%
8.6%	37	37	0	-0.7%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	0	-0.5%
13.6%	35	35	0	-0.1%
14.8%	35	34	-1	-1.5%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-1.6%
18.5%	34	34	0	0.0%
19.8%	34	34	0	-1.4%
21.0%	34	34	0	-1.4%
22.2%	34	33	0	-0.6%
23.5%	33	33	0	-1.0%
24.7%	33	33	-1	-1.6%
25.9%	33	32	0	-1.5%
27.2%	33	32	0	-1.4%
28.4%	33	32	-1	-1.7%
29.6%	32	32	0	-1.7%
30.9%	32	32	0	-1.4%
32.1%	32	32	-1	-1.6%
33.3%	32	32	-1	-1.6%
34.6%	32	32	0	-1.4%
35.8%	32	32	0	-0.5%
37.0%	32	32	0	-0.5%
38.3%	32	31	0	-0.1%
39.5%	31	31	0	-0.9%
40.7%	31	31	-1	-1.7%
42.0%	31	31</		

Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	43	45	2	4.6%	
1.2%	42	43	1	2.4%	
2.5%	42	42	0	-0.7%	
3.7%	40	40	0	0.0%	
4.9%	39	39	0	-0.1%	
6.2%	38	38	0	-0.4%	
7.4%	38	38	0	-0.2%	
8.6%	38	38	0	-0.5%	
9.9%	38	38	0	0.3%	
11.1%	38	38	0	-0.2%	
12.3%	38	38	0	0.3%	
13.6%	38	37	0	-0.9%	
14.8%	37	37	0	-1.2%	
16.0%	36	36	0	-0.4%	
17.3%	36	36	0	0.8%	
18.5%	36	35	0	-1.3%	
19.8%	35	35	0	-1.3%	
21.0%	35	35	0	-0.8%	
22.2%	35	35	0	-0.6%	
23.5%	34	34	0	-0.9%	
24.7%	34	34	0	-1.1%	
25.9%	34	34	0	-1.4%	
27.2%	34	34	0	-0.1%	
28.4%	34	34	0	0.8%	
29.6%	33	34	0	-0.1%	
30.9%	33	33	0	0.9%	
32.1%	33	32	0	-1.2%	
33.3%	33	32	0	-1.2%	
34.6%	33	32	0	-1.1%	
35.8%	32	32	0	-1.5%	
37.0%	32	32	0	-1.5%	
38.3%	32	32	0	-1.0%	
39.5%	32	32	0	-0.3%	
40.7%	32	32	0	-1.2%	
42.0%	32	31	-1	-1.9%	
43.2%	32	31	-1	-1.9%	
44.4%	32	31	-1	-2.0%	
45.7%	31	31	0	-1.1%	
46.9%	31	31	0	-1.6%	
48.1%	31	31	0	-1.5%	
49.4%	31	31	-1	-1.6%	
50.6%	31	31	0	-1.0%	
51.9%	31	31	0	-1.0%	
53.1%	31	31	0	-1.2%	
54.3%	31	30	0	-1.1%	
55.6%	31	30	0	-1.5%	
56.8%	31	30	-1	-1.7%	
58.0%	31	30	0	-1.5%	
59.3%	31	30	0	-1.6%	
60.5%	31	30	0	-1.5%	
61.7%	30	30	0	-1.3%	
63.0%	30	30	0	-1.3%	
64.2%	30	30	0	-1.1%	
65.4%	30	30	0	-0.8%	
66.7%	30	30	0	-0.8%	
67.9%	30	30	0	-1.0%	
69.1%	30	30	0	-1.4%	
70.4%	30	30	0	-1.4%	
71.6%	30	30	-1	-1.7%	
72.8%	30	30	0	-1.6%	
74.1%	30	30	0	-1.4%	
75.3%	30	30	0	-1.5%	
76.5%	30	30	0	-1.4%	
77.8%	30	29	0	-1.3%	
79.0%	30	29	0	-1.3%	
80.2%	30	29	0	-1.5%	
81.5%	30	29	0	-1.4%	
82.7%	30	29	0	-1.4%	
84.0%	30	29	0	-1.1%	
85.2%	29	29	0	-0.7%	
86.4%	29	29	0	-0.5%	
87.7%	29	29	0	-0.6%	
88.9%	29	29	0	-0.4%	
90.1%	29	29	0	-0.4%	
91.4%	29	29	0	-0.5%	
92.6%	29	29	0	0.6%	
93.8%	29	29	0	-0.8%	
95.1%	29	29	0	-0.6%	
96.3%	29	29	0	-0.5%	
97.5%	29	29	0	-0.1%	
98.8%	29	29	0	-0.1%	
100.0%	29	29	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	42	43	1	1.4%	
1.2%	42	42	-1	-1.3%	
2.5%	40	39	0	-0.6%	
3.7%	39	39	0	-0.7%	
4.9%	39	37	-1	-3.8%	
6.2%	37	36	-1	-4.0%	
7.4%	36	36	-1	-1.9%	
8.6%	36	35	-1	-1.6%	
9.9%	35	35	0	-0.4%	
11.1%	35	35	0	-0.7%	
12.3%	35	34	0	-1.4%	
13.6%	34	34	0	0.0%	
14.8%	34	34	0	-0.1%	
16.0%	33	33	0	-0.1%	
17.3%	33	33	0	-0.1%	
18.5%	33	33	0	-0.1%	
19.8%	33	33	0	-0.7%	
21.0%	33	33	0	-1.0%	
22.2%	33	33	0	-0.8%	
23.5%	33	33	0	-1.0%	
24.7%	33	33	0	-0.9%	
25.9%	33	32	-1	-1.6%	
27.2%	33	32	0	-0.9%	
28.4%	32	32	0	0.0%	
29.6%	32	32	-1	-2.3%	
30.9%	32	32	0	-0.2%	
32.1%	32	32	0	-0.6%	
33.3%	32	31	-1	-2.3%	
34.6%	32	31	-1	-2.5%	
35.8%	32	31	-1	-1.9%	
37.0%	31	31	-1	-2.0%	
38.3%	31	31	-1	-2.1%	
39.5%	31	31	-1	-2.3%	
40.7%	31	31	-1	-1.7%	
42.0%	31	30	-1	-1.9%	
43.2%	31	30	-1	-2.0%	
44.4%	31	30	-1	-1.9%	
45.7%	31	30	-1	-2.4%	
46.9%	31	30	-1	-2.4%	
48.1%	31	30	-1	-2.4%	
49.4%	31	30	-1	-2.7%	
50.6%	31	30	-1	-2.2%	
51.9%	31	30	-1	-2.4%	
53.1%	31	30	-1	-2.5%	
54.3%	31	30	-1	-2.6%	
55.6%	31	30	-1	-2.4%	
56.8%	30	30	-1	-2.3%	
58.0%	30	30	-1	-2.8%	
59.3%	30	30	-1	-2.8%	
60.5%	30	30	-1	-2.8%	
61.7%	30	30	-1	-2.5%	
63.0%	30	30	-1	-2.5%	
64.2%	30	30	-1	-2.2%	
65.4%	30	30	-1	-2.2%	
66.7%	30	30	-1	-2.1%	
67.9%	30	30	-1	-2.1%	
69.1%	30	30	-1	-2.0%	
70.4%	30	30	-1	-2.0%	
71.6%	30	30	-1	-1.8%	
72.8%	30	29	-1	-1.8%	
74.1%	29	29	0	-1.6%	
75.3%	30	29	0	-1.6%	
76.5%	30	29	0	-1.5%	
77.8%	30	29	0	-1.5%	
79.0%	30	29	0	-1.4%	
80.2%	30	29	0	-1.1%	
81.5%	30	29	0	-0.9%	
82.7%	30	29	0	-0.8%	
84.0%	30	29	0	-0.8%	
85.2%	30	29	0	-0.8%	
86.4%	30	29	0	-1.0%	
87.7%	29	29	0	-0.9%	
88.9%	29	29	0	-1.0%	
90.1%	29	29	0	-0.4%	
91.4%	29	29	0	-0.1%	
92.6%	29	29	0	0.0%	
93.8%	29	29	0	0.0%	
95.1%	29	29	0	0.0%	
96.3%	29	29	0	0.0%	
97.5%	29	29	0	-0.1%	
98.8%	29	29	0	0.2%	
100.0%	29	29	0	0.0%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	37	37	0	-0.8%	
1.2%	36	36	0	0.0%	
2.5%	34	34	0	0.0%	
3.7%	34	34	0	0.1%	
4.9%	34	34	0	-0.7%	
6.2%	34	33	-1	-2.5%	
7.4%	33	33	0	0.0%	
8.6%	33	33	0	0.0%	
9.9%	33	33	0	0.0%	
11.1%	32	32	0	-0.1%	
12.3%	32	32	0	-0.5%	
13.6%	32	32	0	-0.9%	
14.8%	32	32	0	-1.4%	
16.0%	32	31	-1	-1.8%	
17.3%	32	31	-1	-2.0%	
18.5%	32	31	-1	-2.1%	
19.8%	32	31	-1	-2.5%	
21.0%	32	31	-1	-2.4%	
22.2%	31	31	0	-1.0%	
23.5%	31	31	-1	-1.6%	
24.7%	31	30	-1	-2.0%	
25.9%	31	30	0	-1.4%	
27.2%	30	30	0	-0.5%	
28.4%	30	30	0	-0.3%	
29.6%	30	30	0	-0.2%	
30.9%	30	30	0	-0.3%	
32.1%	30	30	0	-0.4%	
33.3%	30	30	0	-0.5%	
34.6%	30	30	0	-0.4%	
35.8%	30	30	0	-0.3%	
37.0%	30	30	0	-0.6%	
38.3%	30	30	0	-0.7%	
39.5%	30	30	0	-0.6%	
40.7%	30	30	0	-0.3%	
42.0%	30	30	0	-0.1%	
43.2%	30	30	0	0.0%	
44.4%	30	30	0	-0.1%	
45.7%	30	30	0	0.0%	
46.9%	30	30	0	0.1%	
48.1%	30	30	0	-0.1%	
49.4%	30	30	0	-0.2%	
50.6%	30	30	0	-0.1%	
51.9%	30	30	0	-0.1%	
53.1%	30	30	0	-0.2%	
54.3%	30	30	0	-0.2%	
55.6%	30	30	0	-0.1%	
56.8%	30	30	0	-0.1%	
58.0%	30	30	0	-0.1%	
59.3%	30	30	0	-0.1%	
60.5%	30	29	0	-0.2%	
61.7%	30	29	0	-0.2%	
63.0%	30	29	0	-0.3%	
64.2%	30	29	0	-0.3%	
65.4%	29	29	0	-0.1%	
66.7%	29	29	0	-0.1%	
67.9%	29	29	0	-0.1%	
69.1%	29	29	0	-0.1%	
70.4%	29	29	0	-0.1%	
71.6%	29	29	0	0.1%	
72.8%	29	29	0	-0.2%	
74.1%	29	29	0	-0.1%	
75.3%	29	29	0	0.0%	
76.5%	29	29	0	-0.1%	
77.8%	29	29	0	-0.1%	
79.0%	29	29	0	-0.1%	
80.2%	29	29	0	-0.1%	
81.5%	29	29	0	-0.1%	
82.7%	29	29	0	-0.1%	
84.0%	29	29	0	-0.2%	
85.2%	29	29	0	-0.2%	
86.4%	29	29	0	-0.2%	
87.7%	29	29	0	-0.2%	
88.9%	29	29	0	-0.2%	
90.1%	29	29	0	0.0%	
91.4%	29	29	0	0.4%	
92.6%	29	29	0	-0.1%	
93.8%	29	29	0	0.0%	
95.1%	29	29	0	-0.1%	
96.3%	29	29	0	0.4%	
97.5%	29	29	0	0.3%	
98.8%	29	29	0	0.3%	
100.0%	29	29	0	0.3%	

May					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	34	34	0	0.0%	
1.2%	33	33	0	-0.4%	
2.5%	33	33	0	-0.5%	
3.7%	33	32	0	-0.1%	
4.9%	33	32	0	-0.7%	
6.2%	32	32	0	-0.6%	
7.4%	32	32	0	-0.3%	
8.6%	32	32	0	-0.3%	
9.9%	32	32	0	-0.2%	
11.1%	32	31	0	-	

Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	34	34	0	0.0%	
1.2%	32	32	0	0.0%	
2.5%	31	31	0	-0.5%	
3.7%	31	31	0	0.5%	
4.9%	31	31	0	-0.5%	
6.2%	31	31	0	-0.5%	
7.4%	31	31	0	0.0%	
8.6%	31	31	0	-0.1%	
9.9%	31	31	0	-0.2%	
11.1%	31	30	-0.2%	0.0%	
12.3%	30	30	0	0.0%	
13.6%	30	30	0	-0.2%	
14.8%	30	30	0	-0.1%	
16.0%	30	30	0	-0.1%	
17.3%	30	30	0	0.0%	
18.5%	30	30	0	0.2%	
19.8%	30	30	0	0.1%	
21.0%	30	30	0	-0.1%	
22.2%	30	30	0	0.0%	
23.5%	30	30	0	0.0%	
24.7%	30	30	0	0.1%	
25.9%	30	30	0	0.0%	
27.2%	30	30	0	-0.1%	
28.4%	30	30	0	0.0%	
29.6%	30	30	0	-0.0%	
30.9%	30	30	0	0.0%	
32.1%	30	30	0	0.0%	
33.3%	30	30	0	-0.1%	
34.6%	30	30	0	-0.1%	
35.8%	30	30	0	-0.2%	
37.0%	30	30	0	-0.2%	
38.3%	30	30	0	-0.1%	
39.5%	30	30	0	0.0%	
40.7%	30	30	0	0.0%	
42.0%	30	30	0	-0.1%	
43.2%	30	30	0	0.0%	
44.4%	30	30	0	0.0%	
45.7%	30	30	0	0.0%	
46.9%	30	30	0	-0.2%	
48.1%	30	30	0	-0.2%	
49.4%	30	30	0	-0.2%	
50.6%	30	30	0	-0.4%	
51.9%	30	30	0	-0.4%	
53.1%	30	30	0	-0.4%	
54.3%	30	30	0	-0.4%	
55.6%	30	30	0	-0.4%	
56.8%	30	30	0	-0.4%	
58.0%	30	30	0	-0.4%	
59.3%	30	30	0	-0.5%	
60.5%	30	30	0	-0.5%	
61.7%	30	30	0	-0.5%	
63.0%	30	30	0	-0.6%	
64.2%	30	30	0	-0.5%	
65.4%	30	30	0	-0.5%	
66.7%	30	30	0	-0.5%	
67.9%	30	30	0	-0.5%	
69.1%	30	30	0	-0.5%	
70.4%	30	30	0	-0.4%	
71.6%	30	30	0	-0.4%	
72.8%	30	30	0	-0.4%	
74.1%	30	30	0	-0.4%	
75.3%	30	30	0	-0.4%	
76.5%	30	30	0	-0.4%	
77.8%	30	30	0	-0.9%	
79.0%	30	30	0	-0.5%	
80.2%	30	30	0	-0.5%	
81.5%	30	30	0	-0.5%	
82.7%	30	30	0	-0.6%	
84.0%	30	30	0	-0.5%	
85.2%	30	29	0	-0.7%	
86.4%	30	29	0	-0.8%	
87.7%	30	29	0	-0.9%	
88.9%	30	29	0	-1.0%	
90.1%	30	29	0	-1.0%	
91.4%	30	29	0	-0.9%	
92.6%	30	29	0	-0.9%	
93.8%	30	29	0	-0.7%	
95.1%	30	29	0	-1.0%	
96.3%	30	29	0	-1.0%	
97.5%	29	29	0	-0.9%	
98.8%	29	29	0	-0.5%	
100.0%	29	29	0	-0.4%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	31	31	0	-0.1%	
1.2%	31	31	0	0.2%	
2.5%	31	31	0	0.3%	
3.7%	31	31	0	0.4%	
4.9%	31	31	0	0.6%	
6.2%	31	31	0	0.4%	
7.4%	31	31	0	0.3%	
8.6%	31	31	0	0.3%	
9.9%	31	31	0	0.3%	
11.1%	30	31	0	0.3%	
12.3%	31	31	0	0.3%	
13.6%	31	31	0	0.3%	
14.8%	31	31	0	0.2%	
16.0%	31	31	0	0.2%	
17.3%	31	31	0	0.3%	
18.5%	31	31	0	0.2%	
19.8%	31	31	0	0.2%	
21.0%	31	31	0	0.3%	
22.2%	31	31	0	0.3%	
23.5%	31	31	0	0.2%	
24.7%	31	31	0	0.2%	
25.9%	31	31	0	0.2%	
27.2%	31	31	0	0.1%	
28.4%	31	31	0	0.1%	
29.6%	31	31	0	0.1%	
30.9%	31	31	0	0.2%	
32.1%	31	31	0	0.2%	
33.3%	31	31	0	0.2%	
34.6%	31	31	0	0.2%	
35.8%	31	31	0	0.1%	
37.0%	31	31	0	0.2%	
38.3%	31	31	0	0.1%	
39.5%	31	31	0	0.1%	
40.7%	31	31	0	0.1%	
42.0%	31	31	0	0.3%	
43.2%	31	31	0	0.2%	
44.4%	31	31	0	0.1%	
45.7%	31	31	0	0.2%	
46.9%	30	31	0	0.2%	
48.1%	30	31	0	0.3%	
49.4%	30	31	0	0.3%	
50.6%	30	31	0	0.3%	
51.9%	30	30	0	0.2%	
53.1%	30	30	0	0.2%	
54.3%	30	30	0	0.3%	
55.6%	30	30	0	0.4%	
56.8%	30	30	0	0.3%	
58.0%	30	30	0	0.3%	
59.3%	30	30	0	0.3%	
60.5%	30	30	0	0.4%	
61.7%	30	30	0	0.4%	
63.0%	30	30	0	0.4%	
64.2%	30	30	0	0.4%	
65.4%	30	30	0	0.4%	
66.7%	30	30	0	0.4%	
67.9%	30	30	0	0.4%	
69.1%	30	30	0	0.4%	
70.4%	30	30	0	0.4%	
71.6%	30	30	0	0.4%	
72.8%	30	30	0	0.4%	
74.1%	30	30	0	0.4%	
75.3%	30	30	0	0.4%	
76.5%	30	30	0	0.4%	
77.8%	30	30	0	0.4%	
79.0%	30	30	0	0.4%	
80.2%	30	30	0	0.4%	
81.5%	30	30	0	0.4%	
82.7%	30	30	0	0.4%	
84.0%	30	30	0	0.4%	
85.2%	30	30	0	0.5%	
86.4%	30	30	0	0.5%	
87.7%	30	30	0	0.5%	
88.9%	30	30	0	0.5%	
90.1%	30	30	0	0.4%	
91.4%	30	30	0	0.5%	
92.6%	30	30	0	0.4%	
93.8%	30	30	0	0.6%	
95.1%	30	30	0	0.6%	
96.3%	30	30	0	0.6%	
97.5%	29	30	0	0.9%	
98.8%	29	30	0	1.1%	
100.0%	29	30	0	1.0%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	31	31	0	-0.1%	
1.2%	31	31	0	-0.2%	
2.5%	31	30	0	-0.6%	
3.7%	31	30	0	-0.5%	
4.9%	31	30	0	-0.5%	
6.2%	31	30	0	-0.5%	
7.4%	30	30	0	-0.5%	
8.6%	30	30	0	-0.5%	
9.9%	30	30	0	-0.5%	
11.1%	30	30	0	-0.5%	
12.3%	30	30	0	-0.6%	
13.6%	30	30	0	-0.7%	
14.8%	30	30	0	-0.4%	
16.0%	30	30	0	-0.4%	
17.3%	30	30	0	-0.2%	
18.5%	30	30	0	-0.2%	
19.8%	30	30	0	-0.4%	
21.0%	30	30	0	-0.3%	
22.2%	30	30	0	-0.2%	
23.5%	30	30	0	-0.1%	
24.7%	30	30	0	-0.1%	
25.9%	30	30	0	-0.2%	
27.2%	30	30	0	-0.3%	
28.4%	30	30	0	-0.2%	
29.6%	30	30	0	-0.2%	
30.9%	30	30	0	-0.2%	
32.1%	30	30	0	-0.2%	
33.3%	30	30	0	-0.1%	
34.6%	30	30	0	-0.1%	
35.8%	30	30	0	-0.1%	
37.0%	30	30	0	-0.1%	
38.3%	30	30	0	-0.1%	
39.5%	30	30	0	-0.1%	
40.7%	30	30	0	-0.1%	
42.0%	30	30	0	-0.1%	
43.2%	30	30	0	0.1%	
44.4%	30	30	0	0.1%	
45.7%	30	30	0	0.1%	
46.9%	30	30	0	0.1%	
48.1%	30	30	0	0.1%	
49.4%	30	30	0	0.2%	
50.6%	30	30	0	0.1%	
51.9%	30	30	0	0.2%	
53.1%	30	30	0	0.2%	
54.3%	30	30	0	0.1%	
55.6%	30	30	0	0.1%	
56.8%	30	30	0	0.2%	
58.0%	30	30	0	0.2%	
59.3%	30	30	0	0.2%	
60.5%	30	30	0	0.2%	
61.7%	30	30	0	0.2%	
63.0%	30	30	0	0.2%	
64.2%	30	30	0	0.3%	
65.4%	30	30	0	0.2%	
66.7%	30	30	0	0.2%	
67.9%	30	30	0	0.2%	
69.1%	30	30	0	0.2%	
70.4%	30	30	0	0.2%	
71.6%	30	30	0	0.2%	
72.8%	30	30	0	0.3%	
74.1%	30	30	0	0.4%	
75.3%	30	30	0	0.5%	
76.5%	30	30	0	0.5%	
77.8%	30	30	0	0.5%	
79.0%	30	30	0	0.5%	
80.2%	30	30	0	0.5%	
81.5%	30	30	0	0.5%	
82.7%	30	30	0	0.5%	
84.0%	30	30	0	0.5%	
85.2%	30	30	0	0.5%	
86.4%	29	30	0	0.5%	
87.7%	29	30	0	0.6%	
88.9%	29	30	0	0.6%	
90.1%	29	30	0	0.5%	
91.4%	29	30	0	0.4%	
92.6%	29	30	0	0.4%	
93.8%	29	29	0	0.4%	
95.1%	29	29	0	0.5%	
96.3%	29	29	0	0.6%	
97.5%	29	29	0	0.6%	
98.8%	29	29	0	1.0%	
100.0%	29	29	0	0.9%	

September					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	32	32	0	-0.1%	
1.2%	32	32	0	-0.4%	
2.5%	32	32	0	-0.3%	
3.7%	32	32	0	-0.1%	
4.9%	32	32	0	-0.1%	
6.2%	32	32	0	-0.1%	
7.4%	32	32	0	-0.1%	
8.6%	32	32	0	-0.2%	
9.9%	32	32	0	-0.1%	
11.1%	32	32	0		

Table SW-56-a  
Sacramento River at Wilkins Slough, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	29	32	34	37	38	37	32	30	29	30	29	31
DCR 2015 With Project	30	33	34	36	37	36	31	30	29	31	29	32
Difference	0	0	0	-1	-1	-1	0	0	1	1	1	1
Percent Difference <sup>2</sup>	1.6%	0.9%	-1.5%	-2.6%	-2.5%	-3.6%	-0.8%	-0.1%	2.0%	4.3%	2.4%	3.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	30	35	35	42	42	41	36	34	30	30	29	36
DCR 2015 With Project	30	36	34	41	42	40	36	33	30	30	29	37
Difference	0	0	0	0	0	-1	0	0	0	1	-1	0
Percent Difference	-0.4%	0.7%	-1.2%	-1.2%	-0.8%	-2.0%	-0.5%	-0.5%	1.6%	2.3%	-1.7%	1.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	30	35	35	39	42	40	33	30	29	30	28	32
DCR 2015 With Project	30	34	34	38	41	38	33	30	29	32	29	32
Difference	0	0	-1	-1	-1	-2	-1	0	0	1	0	1
Percent Difference	1.3%	-0.9%	-3.5%	-2.6%	-2.5%	-4.6%	-1.8%	0.0%	0.6%	4.0%	0.7%	2.2%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	29	31	36	35	37	35	30	29	28	29	28	28
DCR 2015 With Project	31	32	35	34	36	33	30	28	29	31	29	30
Difference	1	1	0	-2	-1	-2	-1	0	0	2	1	1
Percent Difference	4.3%	2.0%	-1.1%	-4.6%	-2.7%	-6.7%	-1.7%	-0.9%	1.0%	7.2%	4.3%	4.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	28	30	35	32	35	34	28	27	28	30	28	28
DCR 2015 With Project	29	30	34	31	33	33	28	28	29	32	30	30
Difference	1	1	0	-1	-1	-2	0	0	1	2	2	2
Percent Difference	2.9%	1.9%	-0.2%	-2.5%	-4.3%	-4.6%	-0.8%	0.8%	3.2%	5.6%	5.7%	6.9%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	27	28	31	32	32	31	27	27	28	29	28	27
DCR 2015 With Project	28	28	31	30	30	31	27	27	29	30	30	29
Difference	0	0	-1	-1	-2	0	0	0	1	1	2	1
Percent Difference	0.9%	0.6%	-2.2%	-4.0%	-4.8%	-1.5%	0.4%	0.4%	3.9%	3.7%	6.6%	5.2%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

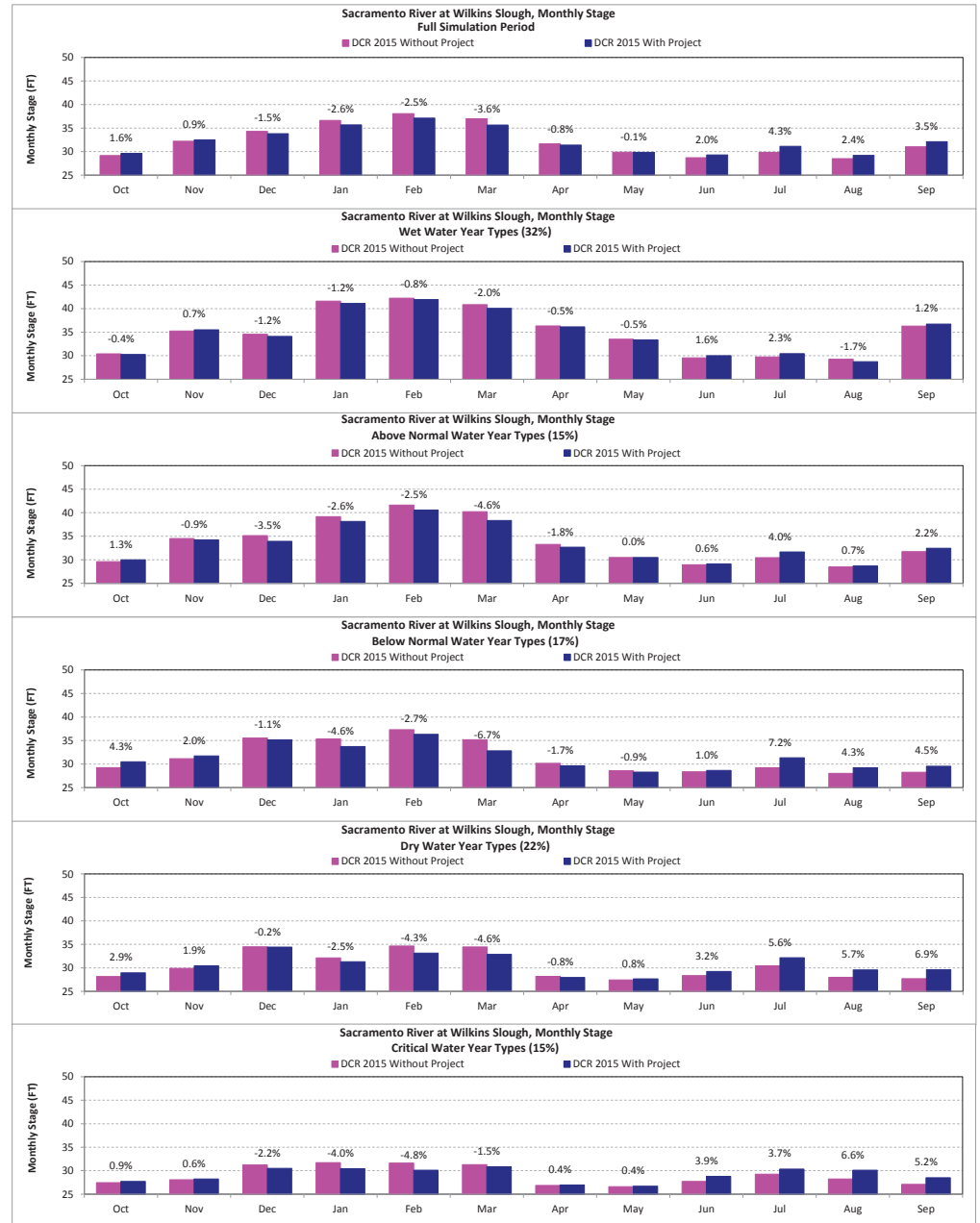




Figure SW-56-b  
 Sacramento River at Wilkins Slough, Monthly Stage  
 Probability of Exceedance

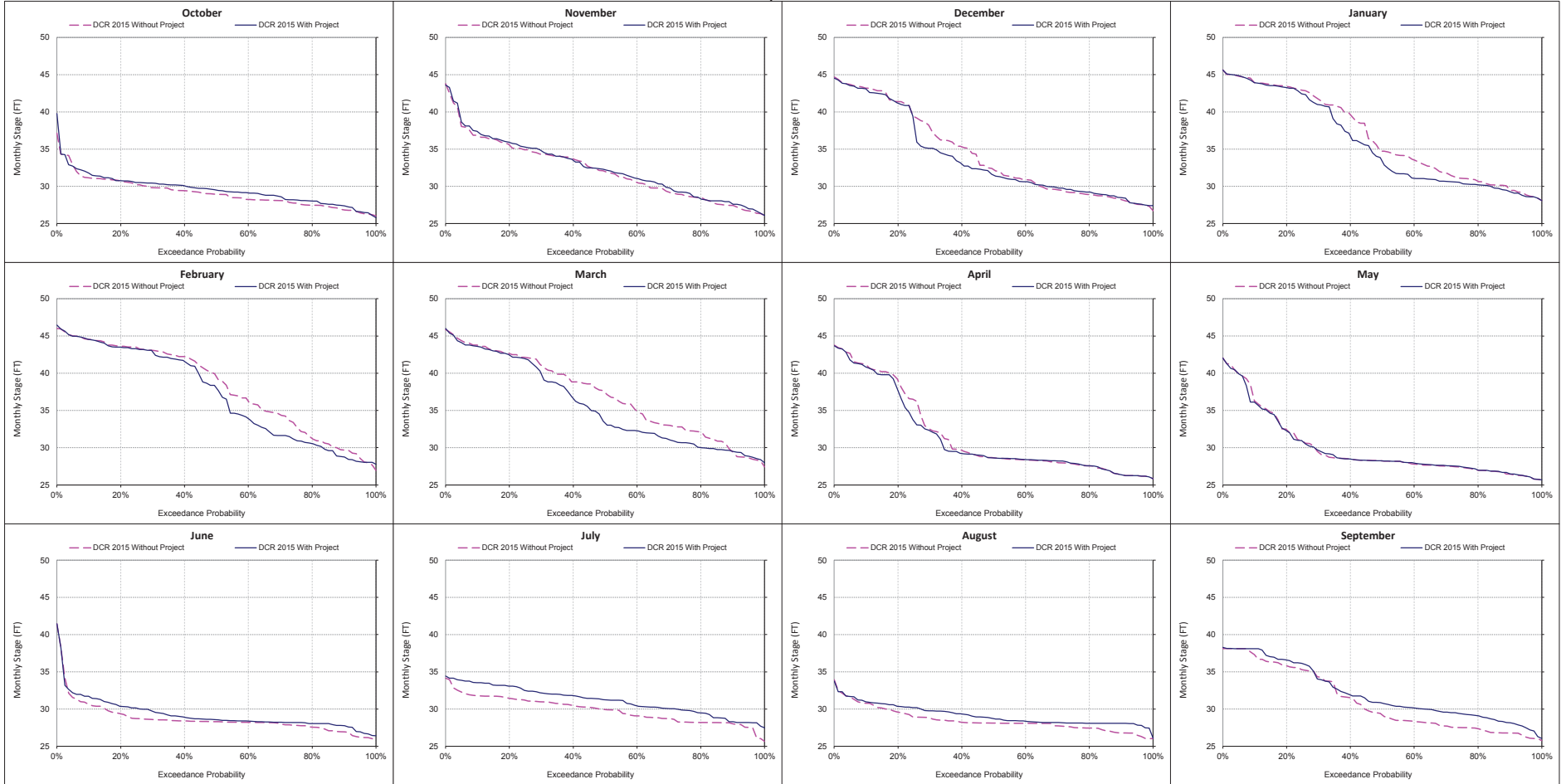


Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	37	40	3	7.1%	
1.2%	34	34	0	0.0%	
2.5%	34	34	0	0.0%	
3.7%	34	33	-1	-3.6%	
4.9%	33	33	0	-0.5%	
6.2%	32	32	0	1.3%	
7.4%	31	32	1	2.5%	
8.6%	31	32	1	2.7%	
9.9%	31	32	1	2.1%	
11.1%	31	31	0	1.3%	
12.3%	31	31	0	1.1%	
13.6%	31	31	0	1.0%	
14.8%	31	31	0	0.6%	
16.0%	31	31	0	0.6%	
17.3%	31	31	0	0.6%	
18.5%	31	31	0	-0.3%	
19.8%	31	31	0	0.0%	
21.0%	31	31	0	0.4%	
22.2%	31	31	0	0.5%	
23.5%	30	31	0	0.6%	
24.7%	30	31	0	1.0%	
25.9%	30	30	0	1.0%	
27.2%	30	30	0	1.4%	
28.4%	30	30	0	1.5%	
29.6%	30	30	1	2.1%	
30.9%	30	30	1	2.0%	
32.1%	30	30	1	1.7%	
33.3%	30	30	1	1.7%	
34.6%	30	30	0	1.5%	
35.8%	30	30	1	2.2%	
37.0%	29	30	1	2.4%	
38.3%	29	30	1	2.4%	
39.5%	29	30	1	2.3%	
40.7%	29	30	1	2.0%	
42.0%	29	30	1	1.9%	
43.2%	29	30	1	2.4%	
44.4%	29	30	1	1.7%	
45.7%	29	30	1	2.2%	
46.9%	29	30	1	2.4%	
48.1%	29	30	1	2.1%	
49.4%	29	30	1	2.1%	
50.6%	29	29	0	1.9%	
51.9%	29	29	0	1.7%	
53.1%	29	29	0	1.4%	
54.3%	28	29	1	2.7%	
55.6%	28	29	1	2.7%	
56.8%	28	29	1	2.7%	
58.0%	28	29	1	2.6%	
59.3%	28	29	1	3.2%	
60.5%	28	29	1	3.0%	
61.7%	28	29	1	3.2%	
63.0%	28	29	1	3.1%	
64.2%	28	29	1	2.6%	
65.4%	28	29	1	2.3%	
66.7%	28	29	1	2.3%	
67.9%	28	29	1	2.4%	
69.1%	28	29	1	2.1%	
70.4%	28	29	1	1.8%	
71.6%	28	28	0	0.6%	
72.8%	28	28	0	1.2%	
74.1%	28	28	0	1.5%	
75.3%	28	28	0	1.5%	
76.5%	28	28	1	2.0%	
77.8%	27	28	1	2.1%	
79.0%	27	28	1	2.1%	
80.2%	27	28	1	2.1%	
81.5%	27	28	0	0.9%	
82.7%	27	28	0	1.1%	
84.0%	27	28	0	1.1%	
85.2%	27	28	0	1.2%	
86.4%	27	28	0	1.6%	
87.7%	27	27	0	1.4%	
88.9%	27	27	1	2.0%	
90.1%	27	27	1	2.1%	
91.4%	27	27	0	1.6%	
92.6%	27	27	0	1.4%	
93.8%	27	27	0	-0.1%	
95.1%	26	27	0	0.6%	
96.3%	26	26	0	0.6%	
97.5%	26	26	0	0.6%	
98.8%	26	26	0	-0.4%	
100.0%	26	26	0	-0.9%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	44	44	0	-0.4%	
1.2%	42	43	1	1.8%	
2.5%	41	41	0	0.6%	
3.7%	41	41	1	1.3%	
4.9%	38	39	1	1.6%	
6.2%	38	38	0	0.5%	
7.4%	38	38	1	1.4%	
8.6%	37	37	1	1.7%	
9.9%	37	37	1	1.5%	
11.1%	37	37	0	1.0%	
12.3%	37	37	0	0.5%	
13.6%	36	37	0	1.0%	
14.8%	36	36	0	0.0%	
16.0%	36	36	0	0.5%	
17.3%	36	36	0	0.8%	
18.5%	36	36	0	0.5%	
19.8%	36	36	0	0.8%	
21.0%	35	36	1	1.8%	
22.2%	35	35	1	1.6%	
23.5%	35	35	0	0.8%	
24.7%	35	35	0	1.1%	
25.9%	35	35	0	0.8%	
27.2%	35	35	0	1.4%	
28.4%	35	35	1	1.7%	
29.6%	34	35	1	1.7%	
30.9%	34	35	0	0.6%	
32.1%	34	34	0	0.2%	
33.3%	34	34	0	0.5%	
34.6%	34	34	0	0.0%	
35.8%	34	34	0	0.0%	
37.0%	34	34	0	0.0%	
38.3%	34	34	0	-0.6%	
39.5%	34	34	0	-0.3%	
40.7%	34	33	0	-0.9%	
42.0%	33	33	0	-0.4%	
43.2%	33	33	-1	-1.9%	
44.4%	33	32	0	-0.7%	
45.7%	32	32	0	-0.1%	
46.9%	32	32	0	0.1%	
48.1%	32	32	0	0.7%	
49.4%	32	32	0	0.6%	
50.6%	32	32	0	0.8%	
51.9%	32	32	0	0.8%	
53.1%	32	32	0	0.6%	
54.3%	31	32	0	1.5%	
55.6%	31	32	0	1.3%	
56.8%	31	31	0	1.5%	
58.0%	31	31	0	1.1%	
59.3%	31	31	0	1.5%	
60.5%	30	31	1	1.8%	
61.7%	30	31	0	1.4%	
63.0%	30	31	1	1.7%	
64.2%	30	31	1	3.1%	
65.4%	30	31	1	2.8%	
66.7%	30	30	1	1.9%	
67.9%	30	30	1	1.9%	
69.1%	29	30	1	1.7%	
70.4%	29	30	1	2.0%	
71.6%	29	29	0	1.0%	
72.8%	29	29	0	1.0%	
74.1%	29	29	0	1.1%	
75.3%	29	29	0	1.7%	
76.5%	29	29	0	1.5%	
77.8%	29	29	0	0.1%	
79.0%	28	29	0	0.2%	
80.2%	28	28	0	-0.8%	
81.5%	28	28	0	0.1%	
82.7%	28	28	0	0.0%	
84.0%	28	28	0	1.0%	
85.2%	28	28	0	1.7%	
86.4%	28	28	1	1.8%	
87.7%	27	28	0	1.8%	
88.9%	27	28	1	1.9%	
90.1%	27	28	0	0.7%	
91.4%	27	28	0	1.4%	
92.6%	27	27	1	1.9%	
93.8%	27	27	0	1.8%	
95.1%	27	27	0	1.0%	
96.3%	27	27	0	1.3%	
97.5%	26	27	0	1.1%	
98.8%	26	26	0	0.1%	
100.0%	26	26	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	45	45	0	-0.4%	
1.2%	44	44	0	-0.2%	
2.5%	44	44	0	0.0%	
3.7%	44	44	0	0.0%	
4.9%	44	44	0	-0.4%	
6.2%	43	43	0	-0.2%	
7.4%	43	43	0	-0.6%	
8.6%	43	43	0	-0.4%	
9.9%	43	43	0	-0.2%	
11.1%	43	43	-1	-1.4%	
12.3%	43	43	0	-1.0%	
13.6%	43	42	0	-0.8%	
14.8%	43	42	0	-1.0%	
16.0%	43	42	0	-0.8%	
17.3%	42	42	0	0.4%	
18.5%	41	42	0	0.2%	
19.8%	41	41	0	-0.4%	
21.0%	41	41	0	-0.9%	
22.2%	41	41	0	-0.6%	
23.5%	41	41	0	0.0%	
24.7%	39	39	0	0.0%	
25.9%	39	36	-3	-8.2%	
27.2%	39	35	-3	-8.9%	
28.4%	39	35	-3	-9.0%	
29.6%	38	35	-3	-8.1%	
30.9%	37	35	-2	-5.7%	
32.1%	37	35	-2	-4.8%	
33.3%	36	35	-2	-4.7%	
34.6%	36	34	-2	-5.2%	
35.8%	36	34	-2	-5.5%	
37.0%	36	34	-2	-5.3%	
38.3%	35	33	-2	-5.5%	
39.5%	35	33	-2	-6.2%	
40.7%	35	33	-2	-7.0%	
42.0%	35	33	-2	-6.8%	
43.2%	34	32	-2	-6.0%	
44.4%	34	32	-2	-5.8%	
45.7%	33	32	-1	-1.7%	
46.9%	33	32	-1	-1.9%	
48.1%	32	32	0	-1.1%	
49.4%	32	32	-1	-2.4%	
50.6%	32	31	-1	-2.2%	
51.9%	32	31	-1	-2.2%	
53.1%	31	32	0	-1.1%	
54.3%	31	32	0	-1.3%	
55.6%	31	31	0	-1.2%	
56.8%	31	31	0	-0.7%	
58.0%	31	31	0	-1.4%	
59.3%	31	31	0	-0.9%	
60.5%	31	31	0	-0.8%	
61.7%	31	31	0	-1.0%	
63.0%	30	30	0	-0.5%	
64.2%	30	30	0	0.4%	
65.4%	30	30	0	0.9%	
66.7%	30	30	0	1.1%	
67.9%	30	30	0	1.1%	
69.1%	30	30	0	1.0%	
70.4%	30	30	0	0.8%	
71.6%	30	30	0	1.0%	
72.8%	29	30	0	1.1%	
74.1%	29	30	0	1.3%	
75.3%	29	29	0	0.8%	
76.5%	29	29	0	0.9%	
77.8%	29	29	0	1.0%	
79.0%	29	29	0	1.1%	
80.2%	29	29	0	1.2%	
81.5%	29	29	0	0.8%	
82.7%	29	29	0	0.8%	
84.0%	29	29	0	0.7%	
85.2%	29	29	0	0.7%	
86.4%	29	29	0	0.6%	
87.7%	28	29	0	1.1%	
88.9%	28	29	0	0.6%	
90.1%	28	28	0	0.9%	
91.4%	28	28	0	1.2%	
92.6%	28	28	0	-0.5%	
93.8%	28	28	0	0.1%	
95.1%	28	28	0	0.2%	
96.3%	28	28	0	0.1%	
97.5%	27	27	0	0.0%	
98.8%	27	27	0	0.3%	
100.0%	27	27	1	2.5%	

January					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	46	46	0	0.0%	
1.2%	45	45	0	0.2%	
2.5%	45	45	0	0.0%	
3.7%	45	45	0	0.0%	
4.9%	45	45	0	0.2%	
6.2%	45	45	0	0.0%	
7.4%	45	45	0	-0.2%	
8.6%	45	44	0	-0.5%	
9.9%	44	44	0	0.0%	
11.1%	44	44	0		

Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	1.0%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.2%
9.9%	45	45	0	0.0%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	-0.6%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	-0.2%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.2%
23.5%	44	43	0	-0.6%
24.7%	44	43	0	-0.6%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	0.0%
28.4%	43	43	0	0.0%
29.6%	43	43	0	0.0%
30.9%	43	42	-1	-1.4%
32.1%	43	42	-1	-1.6%
33.3%	43	42	-1	-1.6%
34.6%	43	42	0	-1.0%
35.8%	42	42	-1	-1.2%
37.0%	42	42	-1	-1.2%
38.3%	42	42	0	-1.0%
39.5%	42	42	-1	-1.2%
40.7%	42	41	-1	-2.0%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-1.7%
44.4%	41	41	-1	-2.8%
45.7%	41	39	-2	-4.7%
46.9%	40	39	-2	-4.3%
48.1%	40	38	-2	-4.3%
49.4%	40	38	-2	-3.9%
50.6%	39	38	-1	-3.6%
51.9%	39	37	-2	-5.5%
53.1%	38	37	-2	-4.9%
54.3%	37	35	-3	-6.7%
55.6%	37	35	-2	-6.5%
56.8%	37	35	-2	-6.6%
58.0%	37	34	-2	-6.4%
59.3%	37	34	-3	-6.9%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-3	-7.7%
64.2%	35	33	-2	-6.7%
65.4%	35	33	-2	-6.7%
66.7%	35	32	-3	-7.9%
67.9%	35	32	-3	-8.8%
69.1%	35	32	-3	-8.6%
70.4%	34	32	-3	-7.9%
71.6%	34	32	-3	-7.6%
72.8%	34	31	-2	-6.4%
74.1%	33	31	-2	-6.7%
75.3%	33	31	-2	-5.4%
76.5%	32	31	-1	-4.0%
77.8%	32	31	-1	-4.2%
79.0%	32	31	-1	-2.9%
80.2%	31	31	-1	-2.0%
81.5%	31	30	-1	-1.9%
82.7%	31	30	-1	-2.4%
84.0%	31	30	-1	-2.7%
85.2%	31	30	-1	-2.9%
86.4%	30	30	0	-1.6%
87.7%	30	29	-1	-3.7%
88.9%	30	29	-1	-3.1%
90.1%	30	29	-1	-3.2%
91.4%	30	29	-1	-4.1%
92.6%	29	28	-1	-3.0%
93.8%	29	28	-1	-3.4%
95.1%	29	28	0	-1.6%
96.3%	28	28	0	-0.1%
97.5%	28	28	0	0.3%
98.8%	28	28	0	1.2%
100.0%	27	28	1	3.0%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.3%
1.2%	46	45	0	-0.3%
2.5%	45	45	0	-0.2%
3.7%	45	44	0	-0.7%
4.9%	44	44	0	-0.6%
6.2%	44	44	0	-0.7%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	-0.2%
9.9%	44	44	0	0.4%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.8%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.2%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	42	0	-0.4%
21.0%	42	42	0	-0.8%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	-0.2%
24.7%	42	42	0	-0.4%
25.9%	42	42	0	-0.6%
27.2%	42	41	-1	-1.7%
28.4%	42	41	-1	-2.5%
29.6%	41	41	-1	-2.1%
30.9%	41	39	-2	-4.1%
32.1%	40	39	-2	-3.9%
33.3%	40	39	-1	-3.7%
34.6%	40	39	-1	-2.8%
35.8%	40	38	-1	-3.7%
37.0%	40	38	-2	-4.2%
38.3%	40	38	-2	-4.9%
39.5%	39	37	-2	-5.1%
40.7%	39	36	-3	-6.7%
42.0%	39	36	-3	-7.4%
43.2%	39	36	-3	-7.2%
44.4%	39	36	-3	-7.8%
45.7%	39	35	-4	-9.2%
46.9%	38	35	-3	-8.2%
48.1%	38	35	-3	-8.6%
49.4%	38	34	-4	-11.0%
50.6%	37	33	-4	-11.1%
51.9%	37	33	-4	-10.2%
53.1%	37	33	-4	-10.8%
54.3%	36	33	-3	-9.7%
55.6%	36	32	-3	-9.7%
56.8%	36	32	-4	-9.9%
58.0%	36	32	-4	-9.9%
59.3%	35	32	-3	-8.2%
60.5%	35	32	-2	-7.1%
61.7%	35	32	-2	-7.1%
63.0%	34	32	-2	-4.9%
64.2%	34	32	-2	-4.8%
65.4%	33	32	-1	-4.3%
66.7%	33	32	-2	-5.0%
67.9%	33	31	-2	-5.3%
69.1%	33	31	-2	-5.5%
70.4%	33	31	-2	-5.9%
71.6%	33	31	-2	-5.9%
72.8%	33	31	-2	-6.4%
74.1%	33	31	-2	-6.5%
75.3%	32	31	-2	-5.2%
76.5%	32	31	-2	-5.1%
77.8%	32	30	-2	-5.3%
79.0%	32	30	-2	-6.5%
80.2%	32	30	-2	-6.6%
81.5%	31	30	-1	-4.6%
82.7%	31	30	-1	-4.4%
84.0%	31	30	-1	-4.0%
85.2%	31	30	-1	-3.6%
86.4%	31	30	-1	-3.7%
87.7%	31	30	-1	-3.1%
88.9%	30	30	0	-0.6%
90.1%	29	29	0	0.4%
91.4%	29	29	1	2.1%
92.6%	29	29	1	2.1%
93.8%	29	29	0	0.7%
95.1%	29	29	0	0.8%
96.3%	28	29	0	1.0%
97.5%	28	29	0	0.7%
98.8%	28	28	0	0.6%
100.0%	27	28	1	2.0%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.2%
1.2%	44	43	0	-0.2%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.0%
4.9%	43	42	-1	-2.0%
6.2%	42	41	0	-0.4%
7.4%	41	41	0	-0.2%
8.6%	41	41	0	-0.2%
9.9%	41	41	0	-0.4%
11.1%	41	41	0	0.0%
12.3%	40	40	0	-0.2%
13.6%	40	40	-1	-1.3%
14.8%	40	40	0	-1.1%
16.0%	40	40	0	-1.1%
17.3%	40	40	0	-0.6%
18.5%	40	39	-1	-1.3%
19.8%	39	38	-1	-3.3%
21.0%	38	37	-2	-4.0%
22.2%	37	35	-2	-4.9%
23.5%	37	35	-2	-5.1%
24.7%	37	34	-3	-7.5%
25.9%	36	33	-3	-8.7%
27.2%	34	33	-1	-3.8%
28.4%	33	33	0	-1.3%
29.6%	33	32	-1	-0.7%
30.9%	32	32	0	-0.6%
32.1%	32	32	0	-0.9%
33.3%	32	31	-1	-2.6%
34.6%	31	30	-1	-4.8%
35.8%	31	30	-2	-5.0%
37.0%	30	30	0	-1.0%
38.3%	30	29	0	-1.0%
39.5%	30	29	0	-1.7%
40.7%	30	29	0	-1.1%
42.0%	29	29	0	-0.6%
43.2%	29	29	0	0.0%
44.4%	29	29	0	0.1%
45.7%	29	29	0	0.6%
46.9%	29	29	0	0.4%
48.1%	29	29	0	0.0%
49.4%	29	29	0	-0.2%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.1%
54.3%	28	29	0	0.3%
55.6%	28	29	0	0.4%
56.8%	28	29	0	0.4%
58.0%	28	28	0	0.2%
59.3%	28	28	0	0.2%
60.5%	28	28	0	0.3%
61.7%	28	28	0	0.2%
63.0%	28	28	0	0.3%
64.2%	28	28	0	0.2%
65.4%	28	28	0	0.3%
66.7%	28	28	0	0.2%
67.9%	28	28	0	0.5%
69.1%	28	28	0	0.5%
70.4%	28	28	0	0.9%
71.6%	28	28	0	0.9%
72.8%	28	28	0	0.6%
74.1%	28	28	0	0.2%
75.3%	28	28	0	0.3%
76.5%	28	28	0	0.4%
77.8%	28	27	0	0.3%
79.0%	28	28	0	0.0%
80.2%	28	28	0	0.1%
81.5%	28	27	0	0.6%
82.7%	27	27	0	0.2%
84.0%	27	27	0	-0.3%
85.2%	27	27	0	0.0%
86.4%	27	27	0	0.0%
87.7%	27	27	0	0.0%
88.9%	26	26	0	0.0%
90.1%	26	26	0	0.0%
91.4%	26	26	0	0.4%
92.6%	26	26	0	0.0%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

May				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	41	41	0	0.0%
2.5%	41	41	-1	-1.3%
3.7%	40	40	0	0.2%
4.9%	40	40	0	0.0%
6.2%	40	40	0	0.0%
7.4%	39	38	-1	-2.4%
8.6%	38	38	-2	-6.1%
9.9%	38	38	0	-0.5%
11.1%	36	36	0	-0.5%
12.3%	35	35	0	-0.8%
13.6%	35	35	0	-0.3%
14.8%	35	35	0	-0.5%
16.0%	35	34	0	-0.5%
17.3%	34	34	0	-0.6%
18.5%	33	33	0	0.4%
19.8%	32	32	0	-0.4%
21.0%	32	32	0	0.0%
22.2%	32	31	-1	-2.6%
23.5%	31	31	0	0.0%
24.7%	31	31	0	0.0%
25.9%	31	31	0	-0.3%
27.2%	31	30	0	-1.1%
28.4%	30	30	0	-0.5%
29.6%	30	30	0	0.7%
30.9%	29	29	0	1.3%
32.1%	29	29	0	0.7%
33.3%	29	29	0	1.5%
34.6%	29	29	0	1.3%
35.8%	29	29	0	0.2%
37.0%	29	29	0	0.0%
38.3%	29	29	0	-0.2%
39.5%	28	28	0	0.0%
40.7%	28	28	0	0.0%
42.0%	28			

Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	31	0	0.0%
1.2%	38	48	-10	-2.2%
2.5%	34	33	1	-3.1%
3.7%	32	33	1	1.6%
4.9%	32	32	1	2.0%
6.2%	31	32	1	2.1%
7.4%	31	32	1	3.2%
8.6%	31	32	1	2.5%
9.9%	31	32	1	3.5%
11.1%	30	31	1	3.2%
12.3%	30	31	1	3.4%
13.6%	30	31	1	3.0%
14.8%	30	31	1	3.1%
16.0%	30	31	1	3.9%
17.3%	30	31	1	3.8%
18.5%	30	31	1	3.7%
19.8%	29	30	1	3.4%
21.0%	29	30	1	3.6%
22.2%	29	30	1	4.6%
23.5%	29	30	1	4.8%
24.7%	29	30	1	5.0%
25.9%	29	30	1	4.5%
27.2%	29	30	1	4.6%
28.4%	29	30	1	4.7%
29.6%	29	30	1	4.0%
30.9%	29	30	1	3.4%
32.1%	29	29	1	3.3%
33.3%	29	29	1	3.0%
34.6%	29	29	1	2.4%
35.8%	28	29	1	2.2%
37.0%	28	29	1	2.2%
38.3%	28	29	1	2.1%
39.5%	28	29	1	1.9%
40.7%	28	29	0	1.4%
42.0%	28	29	0	1.4%
43.2%	28	28	0	2.2%
44.4%	28	29	0	1.2%
45.7%	28	29	0	1.2%
46.9%	28	29	0	1.1%
48.1%	28	29	0	1.2%
49.4%	28	29	0	1.0%
50.6%	28	29	0	0.9%
51.9%	28	28	0	0.7%
53.1%	28	28	0	0.7%
54.3%	28	28	0	0.8%
55.6%	28	28	0	0.8%
56.8%	28	28	0	0.6%
58.0%	28	28	0	0.6%
59.3%	28	28	0	0.6%
60.5%	28	28	0	0.5%
61.7%	28	28	0	0.5%
63.0%	28	28	0	0.4%
64.2%	28	28	0	0.4%
65.4%	28	28	0	0.3%
66.7%	28	28	0	0.3%
67.9%	28	28	0	0.3%
69.1%	28	28	0	0.4%
70.4%	28	28	0	0.9%
71.6%	28	28	0	1.1%
72.8%	28	28	0	1.1%
74.1%	28	28	0	1.4%
75.3%	28	28	0	1.4%
76.5%	28	28	0	1.5%
77.8%	28	28	0	1.5%
79.0%	28	28	0	1.6%
80.2%	28	28	0	1.8%
81.5%	28	28	1	1.8%
82.7%	27	28	1	2.1%
84.0%	27	28	1	2.7%
85.2%	27	28	1	3.5%
86.4%	27	28	1	3.1%
87.7%	27	28	1	3.0%
88.9%	27	28	1	3.2%
90.1%	27	28	1	3.2%
91.4%	27	28	1	4.6%
92.6%	26	28	1	4.3%
93.8%	26	27	1	2.6%
95.1%	26	27	1	2.9%
96.3%	26	27	1	2.0%
97.5%	26	27	1	2.0%
98.8%	26	26	0	1.5%
100.0%	26	26	1	2.2%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.9%
1.2%	34	34	0	0.6%
2.5%	33	34	1	4.0%
3.7%	33	34	1	4.3%
4.9%	32	34	2	4.9%
6.2%	32	34	2	5.2%
7.4%	32	34	2	5.8%
8.6%	32	34	2	5.4%
9.9%	32	34	2	5.6%
11.1%	30	34	2	5.7%
12.3%	32	33	2	5.4%
13.6%	32	33	2	5.4%
14.8%	32	33	1	4.7%
16.0%	32	33	1	4.7%
17.3%	30	33	2	4.6%
18.5%	32	33	2	5.0%
19.8%	31	33	2	5.1%
21.0%	31	33	2	5.4%
22.2%	31	33	2	5.4%
23.5%	31	33	2	5.0%
24.7%	31	32	1	4.1%
25.9%	31	32	1	4.3%
27.2%	31	32	1	4.3%
28.4%	31	32	1	4.2%
29.6%	31	32	1	3.9%
30.9%	31	32	1	3.7%
32.1%	31	32	1	3.5%
33.3%	31	32	1	3.8%
34.6%	31	32	1	4.2%
35.8%	31	32	1	4.1%
37.0%	31	32	1	4.0%
38.3%	31	32	1	4.0%
39.5%	31	32	1	4.3%
40.7%	28	32	1	4.5%
42.0%	30	32	1	4.4%
43.2%	30	32	1	4.2%
44.4%	30	31	1	3.9%
45.7%	30	31	1	4.1%
46.9%	30	31	1	4.3%
48.1%	30	31	1	4.5%
49.4%	30	31	1	4.4%
50.6%	30	31	1	4.4%
51.9%	30	31	1	4.4%
53.1%	30	31	1	4.4%
54.3%	30	31	1	4.6%
55.6%	29	31	2	6.0%
56.8%	29	31	1	4.8%
58.0%	29	31	2	5.2%
59.3%	29	30	1	4.8%
60.5%	29	30	1	4.5%
61.7%	29	30	1	4.5%
63.0%	29	30	1	4.9%
64.2%	29	30	1	4.8%
65.4%	29	30	1	4.9%
66.7%	29	30	1	4.9%
67.9%	29	30	1	4.8%
69.1%	29	30	1	4.7%
70.4%	29	30	1	4.7%
71.6%	29	30	1	5.0%
72.8%	28	30	2	6.0%
74.1%	28	30	2	5.7%
75.3%	28	30	2	5.6%
76.5%	28	30	2	5.6%
77.8%	28	30	1	3.5%
79.0%	28	29	1	4.6%
80.2%	28	29	1	4.6%
81.5%	28	29	1	4.4%
82.7%	28	29	1	3.8%
84.0%	28	29	1	2.3%
85.2%	27	28	1	2.3%
86.4%	28	29	1	2.2%
87.7%	28	29	1	2.1%
88.9%	28	28	0	0.6%
90.1%	28	28	0	1.1%
91.4%	28	28	0	1.0%
92.6%	28	28	0	1.0%
93.8%	28	28	1	2.3%
95.1%	28	28	1	2.3%
96.3%	27	28	1	2.6%
97.5%	26	28	2	7.9%
98.8%	26	28	2	6.4%
100.0%	26	27	2	7.0%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	-0.5%
1.2%	32	32	0	-0.5%
2.5%	32	32	0	0.5%
3.7%	32	32	0	0.0%
4.9%	32	32	0	0.2%
6.2%	31	32	0	1.1%
7.4%	31	31	0	0.8%
8.6%	31	31	0	1.2%
9.9%	31	31	0	0.6%
11.1%	31	31	0	0.4%
12.3%	31	31	0	1.0%
13.6%	30	31	1	1.9%
14.8%	30	31	1	1.9%
16.0%	30	31	1	2.3%
17.3%	30	31	1	2.1%
18.5%	30	31	1	2.7%
19.8%	30	30	1	2.6%
21.0%	30	30	1	2.8%
22.2%	29	30	1	3.0%
23.5%	30	30	1	3.4%
24.7%	29	30	1	4.4%
25.9%	29	30	1	4.4%
27.2%	29	30	1	3.8%
28.4%	29	30	1	3.2%
29.6%	29	30	1	3.2%
30.9%	29	30	1	3.8%
32.1%	29	30	1	4.1%
33.3%	29	30	1	4.3%
34.6%	29	30	1	4.2%
35.8%	28	30	1	4.2%
37.0%	28	30	1	3.9%
38.3%	28	29	1	3.4%
39.5%	28	29	1	3.9%
40.7%	28	29	1	3.9%
42.0%	28	29	1	3.8%
43.2%	28	29	1	3.2%
44.4%	28	29	1	2.9%
45.7%	28	29	1	2.9%
46.9%	28	29	1	2.7%
48.1%	28	29	1	2.6%
49.4%	28	29	1	2.2%
50.6%	28	29	1	2.0%
51.9%	28	29	1	2.0%
53.1%	28	30	1	1.5%
54.3%	28	30	0	1.3%
55.6%	28	28	0	1.2%
56.8%	28	28	0	1.2%
58.0%	28	28	0	1.2%
59.3%	28	28	0	1.2%
60.5%	28	28	0	0.9%
61.7%	28	28	0	0.8%
63.0%	28	28	0	0.7%
64.2%	28	28	0	0.6%
65.4%	28	28	0	0.4%
66.7%	28	28	0	0.4%
67.9%	28	28	0	0.4%
69.1%	28	28	0	1.5%
70.4%	28	28	0	1.6%
71.6%	28	28	0	1.6%
72.8%	28	28	0	1.7%
74.1%	28	28	1	1.9%
75.3%	28	28	1	2.2%
76.5%	27	28	1	2.3%
77.8%	27	28	1	2.3%
79.0%	27	28	1	2.4%
80.2%	27	28	1	2.3%
81.5%	27	28	1	2.4%
82.7%	27	28	1	2.5%
84.0%	27	28	1	3.2%
85.2%	27	28	1	3.7%
86.4%	27	28	1	3.9%
87.7%	27	28	1	4.4%
88.9%	27	28	1	4.7%
90.1%	27	28	1	4.8%
91.4%	27	28	1	4.8%
92.6%	27	28	1	4.8%
93.8%	27	28	1	4.8%
95.1%	26	28	1	5.1%
96.3%	26	28	1	5.7%
97.5%	26	27	1	5.5%
98.8%	26	27	1	5.5%
100.0%	26	26	0	0.1%

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.5%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.0%
4.9%	38	38	0	0.0%
6.2%	38	38	0	0.0%
7.4%	38	38	0	0.0%
8.6%	38	38	0	1.2%
9.9%	37	38	1	2.2%
11.1%	37	38	1	3.9%
12.3%	37	38	1	3.4%
13.6%	36	37	1	2.2%
14.8%	36	37	1	2.0%
16.0%	36	37	1	1.8%
17.3%	36	37	0	1.3%
18.5%	36	37	1	2.1%
19.8%	36	37	1	2.0%
21.0%	36	37	1	2.3%
22.2%	36	36	1	1.8%
23.5%	36	36	1	1.8%
24.7%	35	36	1	2.4%
25.9%	35	36	1	2.1%
27.2%	35	36	1	1.8%
28.4%	35	35	0	0.0%
29.6%	34	34	0	-0.9%
30.9%	34	34	0	-0.9%
32.1%	34	34	0	0.0%
33.3%	34	34	0	-0.3%
34.6%	34	33	-1	-2.2%
35.8%	32	33	1	1.9%
37.0%	32	32	1	2.2%
38.3%	32	32	1	1.8%
39.5%	32	32	0	1.3%
40.7%	31	32	0	1.0%
42.0%	31			

Table SW-57-a  
Feather River near Gridley, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	74	74	74	75	75	75	74	74	75	77	75	76
DCR 2015 With Project	74	74	74	75	75	75	74	74	75	76	75	76
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	-0.1%	-0.3%	-0.2%	0.0%	0.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	75	75	75	77	77	78	76	76	76	76	75	78
DCR 2015 With Project	75	75	75	77	77	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.1%	0.0%	0.3%	0.2%	0.1%	0.0%	0.0%	-0.3%	0.3%	-0.3%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	75	74	74	74	75	75	74	74	75	77	77	77
DCR 2015 With Project	75	74	75	74	75	75	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	0.1%	0.1%	0.2%	0.3%	0.2%	-0.1%	0.0%	0.1%	-0.2%	-0.2%	-0.1%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	74	74	74	73	74	74	73	73	74	77	77	75
DCR 2015 With Project	74	74	74	73	74	74	73	73	74	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	-1	0
Percent Difference	0.1%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.0%	-0.2%	-0.2%	-0.4%	-0.7%	-0.2%
<b>Dry (22%)</b>												
DCR 2015 Without Project	73	73	74	73	74	73	73	74	75	77	75	74
DCR 2015 With Project	74	73	74	73	74	73	73	74	74	77	75	74
Difference	0	0	0	0	0	0	0	0	-1	0	0	0
Percent Difference	0.1%	0.1%	0.2%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.8%	-0.1%	0.1%	0.6%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	73	73	74	73	73	73	73	73	74	75	74	73
DCR 2015 With Project	73	73	74	73	73	73	73	73	74	75	73	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.5%	-0.1%	-0.2%	0.6%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

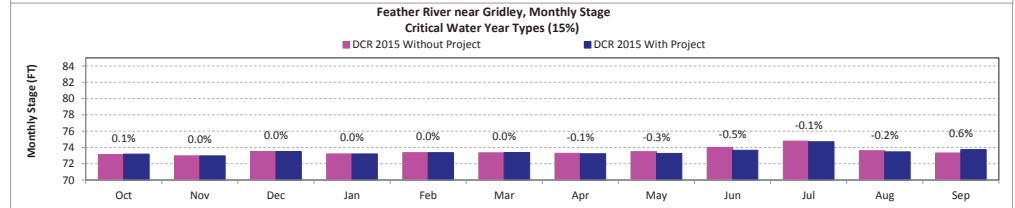
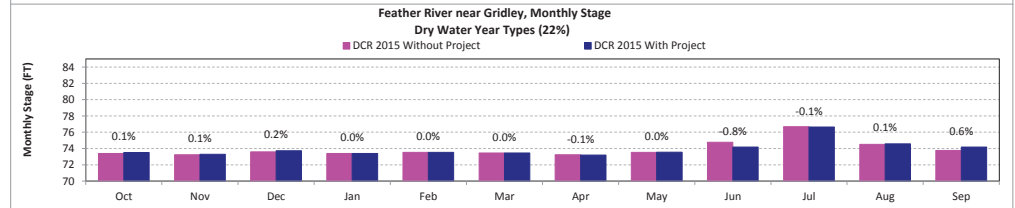
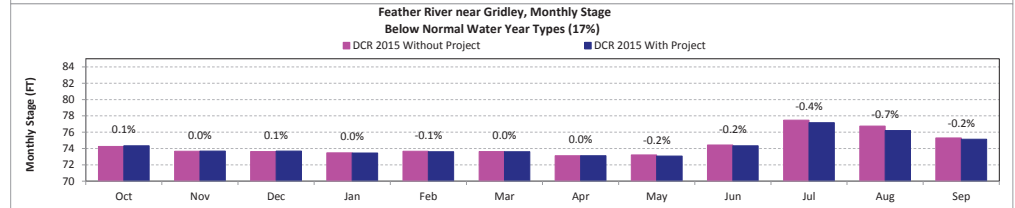
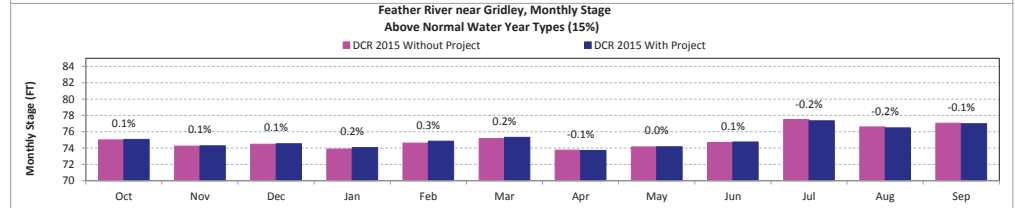
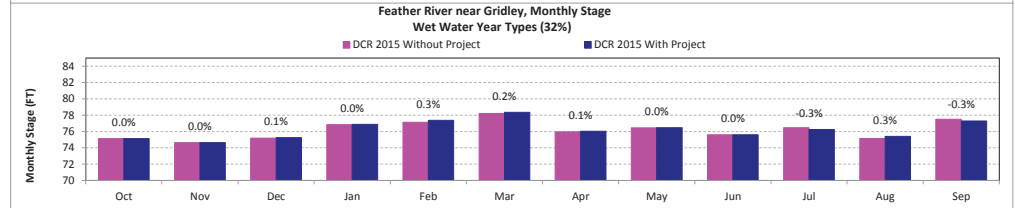
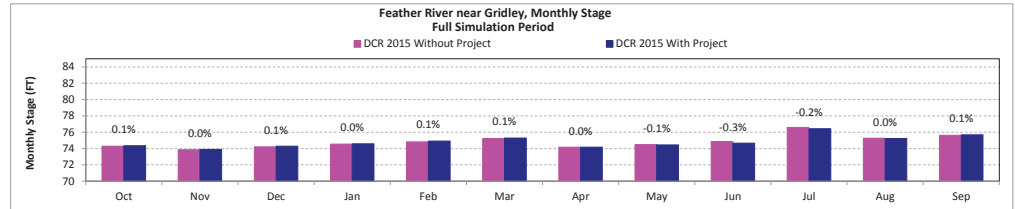


Figure SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

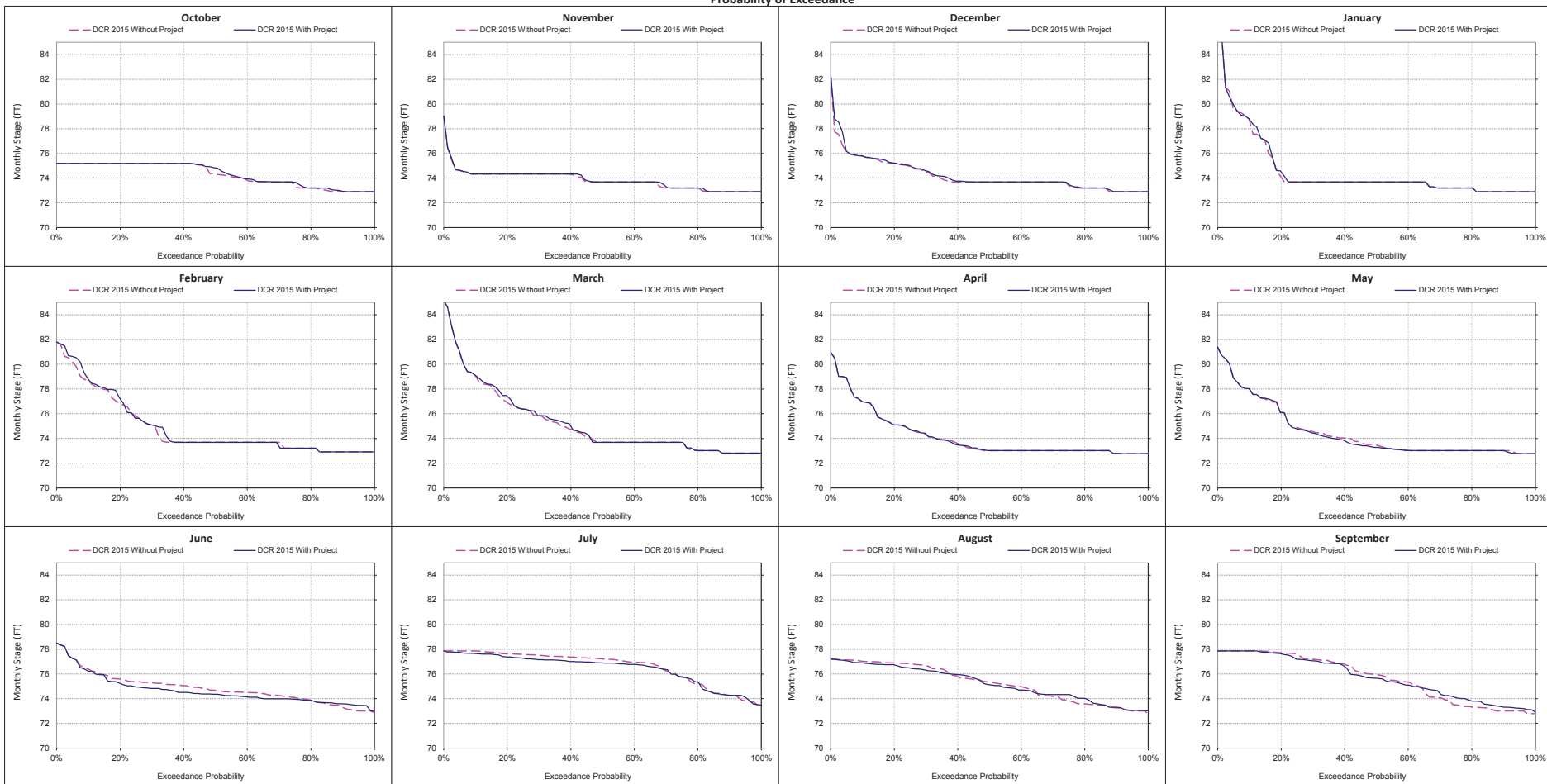


Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

October				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	75	75	0	0.0%
1.2%	75	75	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	0.0%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	0.0%
40.7%	75	75	0	0.0%
42.0%	75	75	0	0.0%
43.2%	75	75	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	0.0%
46.9%	75	75	-0.1	-0.1%
48.1%	74	75	1	0.7%
49.4%	74	75	0	0.7%
50.6%	74	75	1	0.7%
51.9%	74	75	0	0.4%
53.1%	74	74	0	0.3%
54.3%	74	74	0	0.1%
55.6%	74	74	0	0.2%
56.8%	74	74	0	0.1%
58.0%	74	74	0	0.1%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.2%
61.7%	74	74	0	0.2%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	73	74	0	0.5%
76.5%	73	73	0	0.3%
77.8%	73	73	0	0.1%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.1%
84.0%	73	73	0	0.2%
85.2%	73	73	0	0.3%
86.4%	73	73	0	0.2%
87.7%	73	73	0	0.2%
88.9%	73	73	0	0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	79	79	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	76	0	0.2%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.1%
42.0%	74	74	0	0.3%
43.2%	74	74	0	0.3%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.1%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	73	74	0	0.5%
69.1%	73	73	0	0.4%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.3%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	78	79	1	1.3%
2.5%	78	79	1	1.3%
3.7%	77	78	1	1.4%
4.9%	76	76	0	0.0%
6.2%	76	76	0	0.0%
7.4%	76	76	0	0.0%
8.6%	76	76	0	0.0%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	0.1%
16.0%	75	76	0	0.3%
17.3%	75	75	0	0.2%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	-0.1%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.1%
29.6%	74	75	0	0.2%
30.9%	74	75	0	0.1%
32.1%	74	74	0	0.2%
33.3%	74	74	0	0.1%
34.6%	74	74	0	0.2%
35.8%	74	74	0	0.4%
37.0%	74	74	0	0.4%
38.3%	74	74	0	0.2%
39.5%	74	74	0	0.1%
40.7%	74	74	0	0.1%
42.0%	74	74	0	0.1%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.1%
75.3%	73	73	0	0.2%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.1%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.2%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	81	81	0	0.0%
3.7%	81	81	0	-0.6%
4.9%	80	80	0	0.5%
6.2%	79	79	0	0.0%
7.4%	79	79	0	-0.2%
8.6%	79	79	0	-0.1%
9.9%	79	79	0	0.0%
11.1%	78	78	1	1.0%
12.3%	78	78	1	0.8%
13.6%	77	77	0	0.1%
14.8%	77	77	0	0.0%
16.0%	76	77	1	1.1%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	74	75	0	0.6%
21.0%	74	74	0	0.6%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	7		

Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

February				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	81	81	1	1.1%
3.7%	81	81	0	0.2%
4.9%	80	81	0	0.6%
6.2%	80	81	1	0.9%
7.4%	79	80	1	1.4%
8.6%	79	79	1	0.7%
9.9%	79	79	0	0.1%
11.1%	78	78	0	0.1%
12.3%	78	78	0	0.2%
13.6%	78	78	0	0.1%
14.8%	78	78	0	0.2%
16.0%	78	78	0	0.0%
17.3%	77	78	1	0.8%
18.5%	77	78	1	1.1%
19.8%	77	77	0	0.6%
21.0%	77	77	0	0.2%
22.2%	77	76	0	-0.6%
23.5%	76	76	0	0.0%
24.7%	76	76	0	-0.2%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	74	75	1	1.0%
33.3%	74	75	1	1.6%
34.6%	74	74	0	0.6%
35.8%	74	74	0	0.1%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	73	0	-0.6%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	-0.1%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	82	0	0.0%
4.9%	81	81	0	0.1%
6.2%	80	80	0	0.0%
7.4%	79	79	0	0.0%
8.6%	79	79	0	0.1%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.4%
12.3%	78	79	0	0.2%
13.6%	78	78	0	0.0%
14.8%	78	78	0	0.1%
16.0%	78	78	0	0.4%
17.3%	77	78	0	0.6%
18.5%	77	77	0	0.4%
19.8%	77	77	1	0.7%
21.0%	77	77	0	0.6%
22.2%	77	77	0	0.0%
23.5%	76	76	0	0.0%
24.7%	76	76	0	0.0%
25.9%	76	76	0	0.0%
27.2%	76	76	0	0.5%
28.4%	76	76	0	0.0%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.0%
32.1%	76	76	0	0.4%
33.3%	75	76	0	0.2%
34.6%	75	76	0	0.3%
35.8%	75	75	0	0.3%
37.0%	75	75	0	0.6%
38.3%	75	75	0	0.4%
39.5%	75	75	0	0.6%
40.7%	75	75	0	0.0%
42.0%	75	75	0	0.1%
43.2%	74	75	0	0.1%
44.4%	74	74	0	0.4%
45.7%	74	74	0	0.1%
46.9%	74	74	0	-0.3%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.0%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.1%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.1%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.4%
33.3%	74	74	0	0.0%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	73	0	-0.2%
40.7%	73	73	0	-0.1%
42.0%	73	73	0	0.1%
43.2%	73	73	0	0.2%
44.4%	73	73	0	0.4%
45.7%	73	73	0	0.1%
46.9%	73	73	0	0.0%
48.1%	73	73	0	0.1%
49.4%	73	73	0	0.0%
50.6%	73	73	0	0.0%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.1%
16.0%	77	77	0	0.2%
17.3%	77	77	0	0.1%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	-0.2%
25.9%	75	75	0	-0.1%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	0.0%
29.6%	75	74	0	-0.2%
30.9%	74	74	0	-0.1%
32.1%	74	74	0	-0.3%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	-0.2%
37.0%	74	74	0	-0.2%
38.3%	74	74	0	-0.2%
39.5%	74	74	0	-0.2%
40.7%	74	74	0	-0.4%
42.0%	74	74</		



Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

June				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	79	0	0.0%
1.2%	78	78	0	-0.1%
2.5%	78	78	0	0.0%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	77	77	0	-0.2%
8.6%	77	76	0	-0.1%
9.9%	76	76	0	0.2%
11.1%	76	76	0	-0.1%
12.3%	76	76	0	-0.3%
13.6%	76	76	0	-0.1%
14.8%	76	76	0	0.0%
16.0%	76	75	0	-0.6%
17.3%	76	75	0	-0.3%
18.5%	76	75	0	-0.3%
19.8%	76	75	0	-0.5%
21.0%	76	75	0	-0.6%
22.2%	75	75	0	-0.5%
23.5%	75	75	0	-0.4%
24.7%	75	75	0	-0.6%
25.9%	75	75	0	-0.6%
27.2%	75	75	0	-0.6%
28.4%	75	75	0	-0.6%
29.6%	75	75	0	-0.6%
30.9%	75	75	0	-0.6%
32.1%	75	75	0	-0.6%
33.3%	75	75	0	-0.7%
34.6%	75	75	0	-0.6%
35.8%	75	75	0	-0.6%
37.0%	75	75	0	-0.7%
38.3%	75	75	-1	-0.8%
39.5%	75	75	-1	-0.7%
40.7%	75	74	-1	-0.7%
42.0%	75	74	0	-0.6%
43.2%	75	74	-1	-0.7%
44.4%	75	74	0	-0.6%
45.7%	75	74	0	-0.6%
46.9%	75	74	0	-0.6%
48.1%	75	74	0	-0.4%
49.4%	75	74	0	-0.4%
50.6%	75	74	0	-0.4%
51.9%	75	74	0	-0.4%
53.1%	75	74	0	-0.4%
54.3%	75	74	0	-0.4%
55.6%	75	74	0	-0.4%
56.8%	75	74	0	-0.4%
58.0%	75	74	0	-0.5%
59.3%	75	74	0	-0.5%
60.5%	74	74	0	-0.5%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.5%
64.2%	74	74	0	-0.5%
65.4%	74	74	0	-0.5%
66.7%	74	74	0	-0.4%
67.9%	74	74	0	-0.4%
69.1%	74	74	0	-0.4%
70.4%	74	74	0	-0.4%
71.6%	74	74	-1	-0.3%
72.8%	74	74	0	-0.3%
74.1%	74	74	0	-0.2%
75.3%	74	74	0	-0.2%
76.5%	74	74	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	-0.1%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.2%
86.4%	73	74	0	0.2%
87.7%	73	74	0	0.2%
88.9%	73	74	0	0.2%
90.1%	73	74	0	0.4%
91.4%	73	74	0	0.6%
92.6%	73	74	0	0.6%
93.8%	73	73	0	0.6%
95.1%	73	73	0	0.6%
96.3%	73	73	0	0.6%
97.5%	73	73	0	0.6%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.2%

July				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	-0.1%
2.5%	78	78	0	-0.1%
3.7%	78	78	0	-0.1%
4.9%	78	78	0	-0.1%
6.2%	78	78	0	-0.2%
7.4%	78	78	0	-0.2%
8.6%	78	78	0	-0.2%
9.9%	78	78	0	-0.3%
11.1%	78	78	0	-0.3%
12.3%	78	78	0	-0.3%
13.6%	78	78	0	-0.2%
14.8%	78	78	0	-0.2%
16.0%	78	78	0	-0.2%
17.3%	78	78	0	-0.2%
18.5%	78	77	0	-0.3%
19.8%	78	77	0	-0.3%
21.0%	78	77	0	-0.3%
22.2%	78	77	0	-0.4%
23.5%	78	77	0	-0.4%
24.7%	78	77	0	-0.4%
25.9%	78	77	0	-0.5%
27.2%	78	77	0	-0.4%
28.4%	78	77	0	-0.4%
29.6%	77	77	0	-0.4%
30.9%	77	77	0	-0.4%
32.1%	77	77	0	-0.4%
33.3%	77	77	0	-0.4%
34.6%	77	77	0	-0.4%
35.8%	77	77	0	-0.4%
37.0%	77	77	0	-0.4%
38.3%	77	77	0	-0.4%
39.5%	77	77	0	-0.5%
40.7%	77	77	0	-0.5%
42.0%	77	77	0	-0.4%
43.2%	77	77	0	-0.4%
44.4%	77	77	0	-0.4%
45.7%	77	77	0	-0.4%
46.9%	77	77	0	-0.4%
48.1%	77	77	0	-0.5%
49.4%	77	77	0	-0.4%
50.6%	77	77	0	-0.4%
51.9%	77	77	0	-0.4%
53.1%	77	77	0	-0.4%
54.3%	77	77	0	-0.4%
55.6%	77	77	0	-0.3%
56.8%	77	77	0	-0.3%
58.0%	77	77	0	-0.3%
59.3%	75	77	0	-0.2%
60.5%	77	77	0	-0.2%
61.7%	77	77	0	-0.3%
63.0%	77	77	0	-0.3%
64.2%	77	77	0	-0.3%
65.4%	77	77	0	-0.4%
66.7%	77	77	0	-0.2%
67.9%	74	76	0	0.0%
69.1%	76	76	0	0.2%
70.4%	74	76	0	0.2%
71.6%	76	76	0	-0.1%
72.8%	76	76	0	-0.1%
74.1%	74	76	0	0.0%
75.3%	76	76	0	-0.1%
76.5%	76	76	0	0.0%
77.8%	75	76	0	0.3%
79.0%	75	75	0	0.2%
80.2%	74	75	0	0.1%
81.5%	75	75	0	-0.5%
82.7%	75	75	0	-0.2%
84.0%	75	75	0	0.0%
85.2%	74	74	0	0.0%
86.4%	73	74	0	-0.1%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	0.0%
90.1%	74	74	0	0.0%
91.4%	74	74	0	0.0%
92.6%	74	74	0	0.2%
93.8%	74	74	0	0.5%
95.1%	74	74	0	0.4%
96.3%	74	74	0	0.1%
97.5%	74	74	0	-0.2%
98.8%	73	74	0	0.1%
100.0%	73	73	0	0.1%

August				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	0.0%
2.5%	77	77	0	-0.1%
3.7%	77	77	0	0.0%
4.9%	77	77	0	-0.1%
6.2%	77	77	0	-0.2%
7.4%	77	77	0	-0.2%
8.6%	77	77	0	-0.2%
9.9%	77	77	0	-0.2%
11.1%	77	77	0	-0.2%
12.3%	77	77	0	-0.2%
13.6%	77	77	0	-0.3%
14.8%	77	77	0	-0.3%
16.0%	77	77	0	-0.2%
17.3%	77	77	0	-0.2%
18.5%	77	77	0	-0.2%
19.8%	77	77	0	-0.2%
21.0%	77	77	0	-0.3%
22.2%	77	77	0	-0.4%
23.5%	77	77	0	-0.4%
24.7%	77	76	0	-0.5%
25.9%	77	76	0	-0.5%
27.2%	77	76	0	-0.5%
28.4%	77	76	0	-0.5%
29.6%	77	76	0	-0.5%
30.9%	77	76	0	-0.4%
32.1%	76	76	0	-0.4%
33.3%	76	76	0	-0.3%
34.6%	76	76	0	-0.4%
35.8%	76	76	0	-0.4%
37.0%	76	76	0	-0.4%
38.3%	76	76	0	0.1%
39.5%	76	76	0	0.1%
40.7%	76	76	0	0.3%
42.0%	76	76	0	0.3%
43.2%	76	76	0	0.3%
44.4%	76	76	0	0.2%
45.7%	76	76	0	0.1%
46.9%	75	76	0	0.0%
48.1%	75	75	0	-0.2%
49.4%	75	75	0	-0.3%
50.6%	75	75	0	-0.3%
51.9%	75	75	0	-0.3%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.4%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	-0.2%
58.0%	75	75	0	-0.3%
59.3%	75	75	0	-0.4%
60.5%	75	75	0	-0.3%
61.7%	75	75	0	-0.2%
63.0%	75	75	0	-0.1%
64.2%	75	74	0	-0.3%
65.4%	74	74	0	0.2%
66.7%	74	74	0	0.1%
67.9%	74	74	0	0.2%
69.1%	74	74	0	0.2%
70.4%	74	74	0	0.2%
71.6%	74	74	0	0.3%
72.8%	74	74	0	0.6%
74.1%	74	74	0	0.6%
75.3%	74	74	1	0.7%
76.5%	74	74	0	0.6%
77.8%	74	74	0	0.6%
79.0%	74	74	0	0.6%
80.2%	74	74	0	0.6%
81.5%	74	74	0	0.4%
82.7%	74	74	0	0.1%
84.0%	73	74	0	0.1%
85.2%	73	74	0	0.1%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.1%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.1%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.3%

September				
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	-0.1%
14.8%	78	78	0	-0.1%
16.0%	78	78	0	-0.1%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.1%
19.8%	78	78	0	-0.1%
21.0%	78	78	0	-0.1%
22.2%	78	78	0	-0.2%
23.5%	78	77	0	-0.3%
24.7%	78	77	0	-0.6%
25.9%	77	77	0	-0.3%
27.2%	77	77	0	-0.1%
28.4%	77	77	0	-0.1%
29.6%	77	77	0	-0.1%
30.9%	77	77	0	-0.1%
32.1%	77	77	0	-0.2%
33.3%	77	77	0	-0.3%
34.6%	77	77	0	-0.3%
35.8%	77	77	0	-0.2%
37.0%	77	77	0	-0.1%
38.3%	77	77	0	0.0%
39.5%	77	77	0	-0.2%
40.7%	77	76	0	-0.3%
42.0%	77	76</		

Table SW-58-a  
American River at Fair Oaks, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	5	5	6	6	7	6	6	6	6	6	5	5
DCR 2015 With Project	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	1.0%	1.9%	1.3%	0.6%	0.1%	0.5%	0.1%	0.4%	0.8%	-5.7%	2.7%	-0.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
DCR 2015 Without Project	5	6	6	9	9	8	7	7	7	6	6	6
DCR 2015 With Project	5	6	6	9	9	8	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.0%	0.4%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	1.5%	-3.2%
<b>Above Normal (14.6%)</b>												
DCR 2015 Without Project	5	5	6	6	7	7	6	6	6	7	5	6
DCR 2015 With Project	5	6	6	7	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	1.5%	3.0%	2.9%	1.6%	0.1%	-0.1%	0.0%	0.0%	-1.4%	-4.2%	-0.3%	-3.8%
<b>Below Normal (17.1%)</b>												
DCR 2015 Without Project	5	6	6	5	6	5	6	6	5	7	5	5
DCR 2015 With Project	5	6	6	5	6	5	6	6	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	-2.0%	3.6%	0.9%	1.8%	-0.2%	0.1%	1.0%	0.7%	4.1%	-10.0%	6.2%	1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	5	5	6	5	5	5	5	5	5	6	5	4
DCR 2015 With Project	5	5	6	5	5	5	5	5	5	5	5	4
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	1.0%	2.1%	2.2%	-0.3%	0.1%	1.9%	-0.9%	0.1%	1.9%	-10.3%	2.7%	1.3%
<b>Critical (14.6%)</b>												
DCR 2015 Without Project	4	4	4	4	4	4	4	4	4	5	4	4
DCR 2015 With Project	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	2.1%	0.6%	0.7%	0.7%	2.2%	1.0%	2.5%	0.0%	-6.1%	5.5%	10.1%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

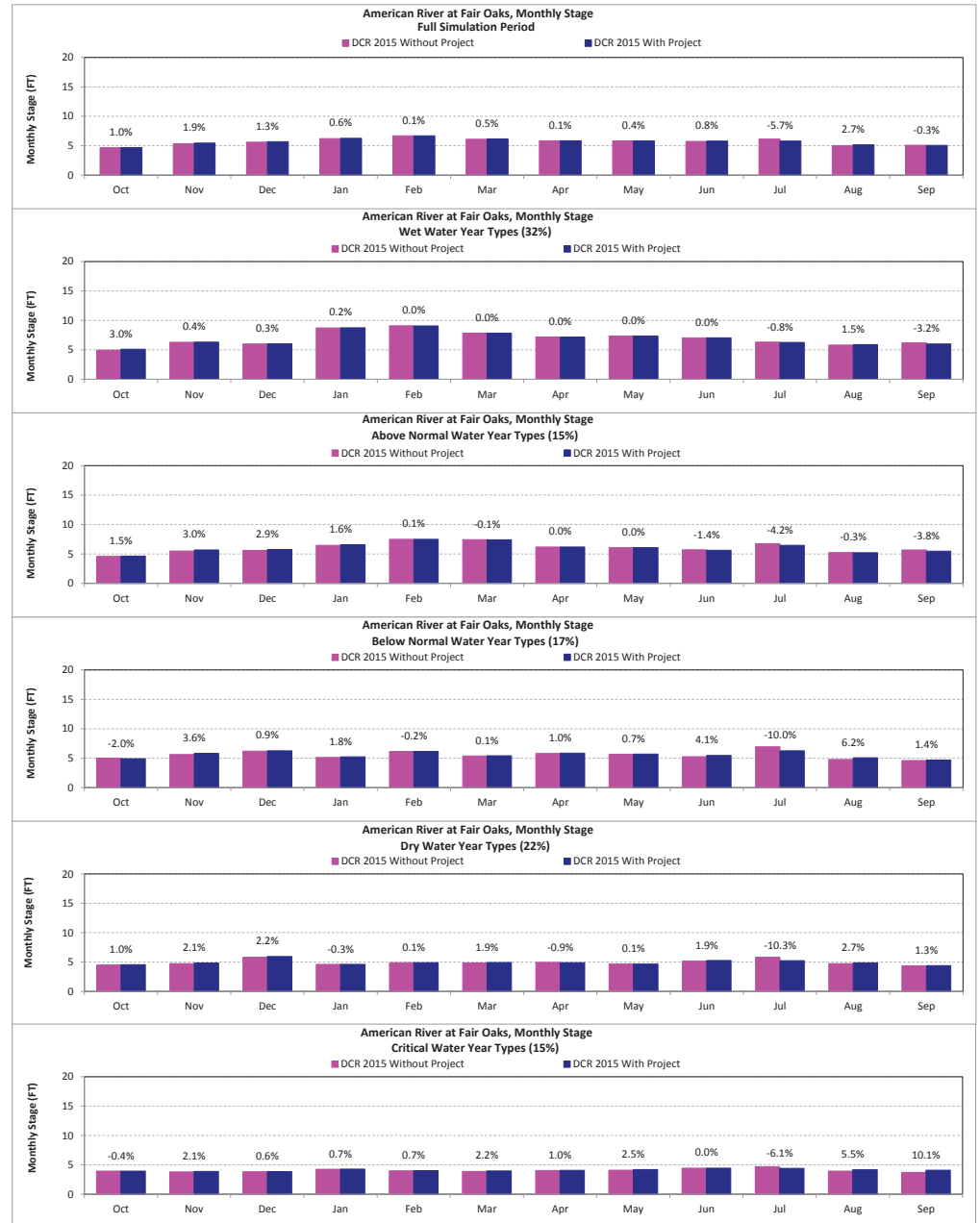


Figure SW-58-b  
 American River at Fair Oaks, Monthly Stage  
 Probability of Exceedance

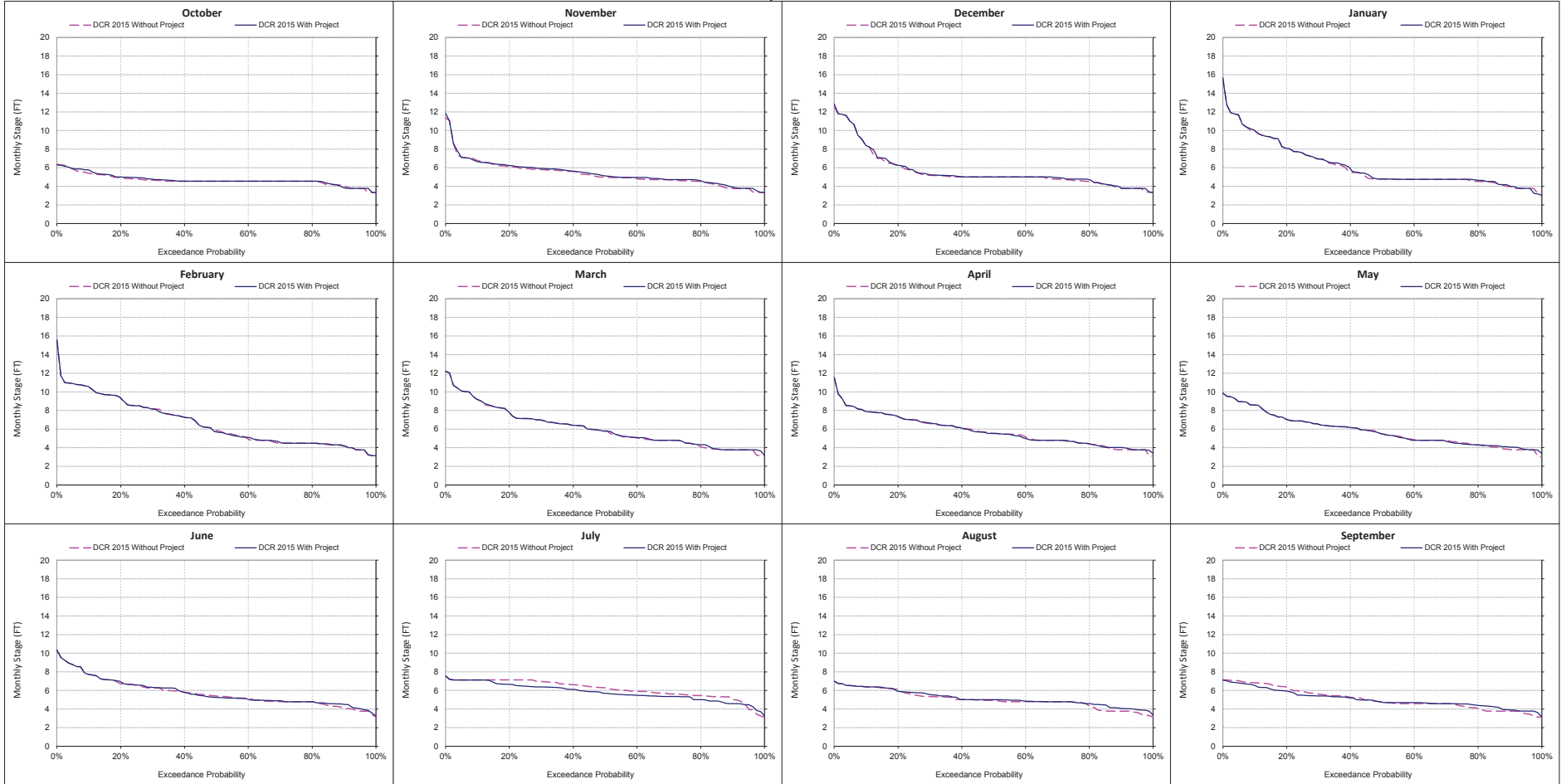


Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	6	6	0	-1.4%	
1.2%	6	6	0	-0.4%	
2.5%	6	6	0	-1.3%	
3.7%	6	6	0	0.1%	
4.9%	6	6	0	0.5%	
6.2%	6	6	0	3.6%	
7.4%	6	6	0	5.7%	
8.6%	6	6	0	4.7%	
9.9%	5	6	0	6.7%	
11.1%	5	6	0	4.1%	
12.3%	5	5	0	2.2%	
13.6%	5	5	0	1.0%	
14.8%	5	5	0	1.0%	
16.0%	5	5	0	0.9%	
17.3%	5	5	0	2.8%	
18.5%	5	5	0	1.1%	
19.8%	5	5	0	1.1%	
21.0%	5	5	0	2.6%	
22.2%	5	5	0	2.7%	
23.5%	5	5	0	2.9%	
24.7%	5	5	0	3.4%	
25.9%	5	5	0	3.6%	
27.2%	5	5	0	4.0%	
28.4%	5	5	0	2.9%	
29.6%	5	5	0	2.4%	
30.9%	5	5	0	1.8%	
32.1%	5	5	0	2.0%	
33.3%	5	5	0	3.1%	
34.6%	5	5	0	2.7%	
35.8%	5	5	0	1.6%	
37.0%	5	5	0	1.5%	
38.3%	5	5	0	1.2%	
39.5%	5	5	0	0.0%	
40.7%	5	5	0	0.0%	
42.0%	5	5	0	0.0%	
43.2%	5	5	0	1.5%	
44.4%	5	5	0	0.0%	
45.7%	5	5	0	0.0%	
46.9%	5	5	0	0.0%	
48.1%	5	5	0	0.0%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.0%	
55.6%	5	5	0	0.0%	
56.8%	5	5	0	0.0%	
58.0%	5	5	0	0.0%	
59.3%	5	5	0	0.0%	
60.5%	5	5	0	0.0%	
61.7%	5	5	0	0.0%	
63.0%	5	5	0	0.0%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	0.0%	
66.7%	5	5	0	0.0%	
67.9%	5	5	0	0.0%	
69.1%	5	5	0	0.0%	
70.4%	5	5	0	0.0%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	0.0%	
74.1%	5	5	0	0.0%	
75.3%	5	5	0	0.0%	
76.5%	5	5	0	0.0%	
77.8%	5	5	0	0.0%	
79.0%	5	5	0	0.0%	
80.2%	5	5	0	0.2%	
81.5%	5	5	0	0.9%	
82.7%	4	5	0	1.9%	
84.0%	4	4	0	3.6%	
85.2%	4	4	0	2.1%	
86.4%	4	4	0	0.3%	
87.7%	4	4	0	0.1%	
88.9%	4	4	0	-3.5%	
90.1%	4	4	0	-4.9%	
91.4%	4	4	0	-2.0%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	0.0%	
96.3%	4	4	0	0.0%	
97.5%	3	4	0	12.7%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.2%	

November					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	11	12	0	4.0%	
1.2%	11	11	0	0.0%	
2.5%	9	9	0	0.0%	
3.7%	7	8	0	5.4%	
4.9%	7	7	0	0.0%	
6.2%	7	7	0	0.0%	
7.4%	7	7	0	0.0%	
8.6%	7	7	0	-2.2%	
9.9%	7	7	0	-1.6%	
11.1%	7	7	0	-1.7%	
12.3%	7	7	0	-0.8%	
13.6%	7	7	0	-0.1%	
14.8%	6	6	0	0.7%	
16.0%	6	6	0	1.5%	
17.3%	6	6	0	2.4%	
18.5%	6	6	0	2.0%	
19.8%	6	6	0	2.2%	
21.0%	6	6	0	2.2%	
22.2%	6	6	0	0.7%	
23.5%	6	6	0	2.7%	
24.7%	6	6	0	2.5%	
25.9%	6	6	0	2.5%	
27.2%	6	6	0	3.4%	
28.4%	6	6	0	1.9%	
29.6%	6	6	0	2.0%	
30.9%	6	6	0	2.2%	
32.1%	6	6	0	2.2%	
33.3%	6	6	0	2.2%	
34.6%	6	6	0	2.3%	
35.8%	6	6	0	1.9%	
37.0%	6	6	0	1.2%	
38.3%	6	6	0	1.2%	
39.5%	6	6	0	0.3%	
40.7%	6	6	0	0.7%	
42.0%	5	6	0	4.7%	
43.2%	5	5	0	3.4%	
44.4%	5	5	0	3.4%	
45.7%	5	5	0	2.5%	
46.9%	5	5	0	5.0%	
48.1%	5	5	0	4.7%	
49.4%	5	5	0	3.0%	
50.6%	5	5	0	2.4%	
51.9%	5	5	0	2.6%	
53.1%	5	5	0	1.4%	
54.3%	5	5	0	0.7%	
55.6%	5	5	0	0.0%	
56.8%	5	5	0	0.0%	
58.0%	5	5	0	0.0%	
59.3%	5	5	0	1.5%	
60.5%	5	5	0	3.1%	
61.7%	5	5	0	3.7%	
63.0%	5	5	0	4.6%	
64.2%	5	5	0	3.3%	
65.4%	5	5	0	2.5%	
66.7%	5	5	0	2.4%	
67.9%	5	5	0	1.1%	
69.1%	5	5	0	0.2%	
70.4%	5	5	0	0.5%	
71.6%	5	5	0	1.2%	
72.8%	5	5	0	1.6%	
74.1%	5	5	0	2.6%	
75.3%	5	5	0	2.6%	
76.5%	5	5	0	3.3%	
77.8%	5	5	0	3.6%	
79.0%	5	5	0	2.7%	
80.2%	5	5	0	1.7%	
81.5%	4	4	0	-0.9%	
82.7%	4	4	0	1.9%	
84.0%	4	4	0	2.4%	
85.2%	4	4	0	3.7%	
86.4%	4	4	0	5.0%	
87.7%	4	4	0	8.0%	
88.9%	4	4	0	6.3%	
90.1%	4	4	0	3.1%	
91.4%	4	4	0	1.5%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	0.0%	
96.3%	3	4	0	11.1%	
97.5%	3	4	0	5.1%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.0%	

December					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	13	13	0	2.5%	
1.2%	12	12	0	0.0%	
2.5%	12	12	0	0.7%	
3.7%	12	12	0	0.0%	
4.9%	11	11	0	0.0%	
6.2%	11	11	0	-0.4%	
7.4%	10	10	0	0.0%	
8.6%	9	9	0	0.0%	
9.9%	8	8	0	0.0%	
11.1%	8	8	0	0.0%	
12.3%	7	8	1	8.0%	
13.6%	7	7	0	1.0%	
14.8%	7	7	0	1.0%	
16.0%	7	7	0	6.5%	
17.3%	6	6	0	2.3%	
18.5%	6	6	0	0.0%	
19.8%	6	6	0	0.9%	
21.0%	6	6	0	0.7%	
22.2%	6	6	0	4.9%	
23.5%	6	6	0	0.8%	
24.7%	6	6	0	2.8%	
25.9%	6	5	0	-1.3%	
27.2%	5	5	0	1.9%	
28.4%	5	5	0	2.6%	
29.6%	5	5	0	1.6%	
30.9%	5	5	0	0.8%	
32.1%	5	5	0	1.1%	
33.3%	5	5	0	0.5%	
34.6%	5	5	0	1.0%	
35.8%	5	5	0	1.9%	
37.0%	5	5	0	2.7%	
38.3%	5	5	0	1.8%	
39.5%	5	5	0	0.6%	
40.7%	5	5	0	0.0%	
42.0%	5	5	0	0.0%	
43.2%	5	5	0	0.0%	
44.4%	5	5	0	0.0%	
45.7%	5	5	0	0.0%	
46.9%	5	5	0	0.0%	
48.1%	5	5	0	0.0%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.0%	
55.6%	5	5	0	0.0%	
56.8%	5	5	0	0.0%	
58.0%	5	5	0	0.0%	
59.3%	5	5	0	0.0%	
60.5%	5	5	0	0.0%	
61.7%	5	5	0	0.0%	
63.0%	5	5	0	0.0%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	0.0%	
66.7%	5	5	0	3.1%	
67.9%	5	5	0	4.4%	
69.1%	5	5	0	3.1%	
70.4%	5	5	0	3.2%	
71.6%	5	5	0	3.4%	
72.8%	5	5	0	1.7%	
74.1%	5	5	0	2.2%	
75.3%	5	5	0	3.6%	
76.5%	5	5	0	3.6%	
77.8%	5	5	0	4.6%	
79.0%	5	5	0	5.5%	
80.2%	5	5	0	4.2%	
81.5%	4	4	0	-0.9%	
82.7%	4	4	0	0.6%	
84.0%	4	4	0	1.5%	
85.2%	4	4	0	1.3%	
86.4%	4	4	0	0.1%	
87.7%	4	4	0	1.8%	
88.9%	4	4	0	4.1%	
90.1%	4	4	0	1.0%	
91.4%	4	4	0	0.0%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	0.0%	
96.3%	4	4	0	0.0%	
97.5%	3	4	0	10.6%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.1%	

January					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	16	16	0	0.0%	
1.2%	13	13	0	0.0%	
2.5%	12	12	0	0.7%	
3.7%	12	12	0	0.0%	
4.9%	12	12	0	0.7%	
6.2%	11	11	0	0.0%	
7.4%	10	10	0	0.0%	
8.6%	10	10	0	1.9%	
9.9%	10	10	0	0.4%	
11.1%	10	10	0	0.0%	
12.3%	9	9	0	0.0%	
13.6%	9	9	0	0.0%	
14.8%	9	9	0	0.0%	
16.0%	9	9	0	0.0%	
17.3%	9	9	0	0.0%	
18.5%	8	8	0	0.0%	
19.8%	8	8	0	0.0%	
21.0%	8	8	0	0.0%	
22.2%	8	8	0	0.0%	
23.5%	8	8	0	0.0%	
24.7%	8				

Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	16	16	0	0.0%	
1.2%	12	12	0	0.0%	
2.5%	11	11	0	0.0%	
3.7%	11	11	0	0.0%	
4.9%	11	11	0	0.0%	
6.2%	11	11	0	0.0%	
7.4%	11	11	0	0.0%	
8.6%	11	11	0	0.0%	
9.9%	11	11	0	0.0%	
11.1%	10	10	0	0.0%	
12.3%	10	10	0	0.0%	
13.6%	10	10	0	0.0%	
14.8%	10	10	0	0.0%	
16.0%	10	10	0	0.0%	
17.3%	10	10	0	0.0%	
18.5%	10	10	0	0.0%	
19.8%	9	9	0	0.0%	
21.0%	9	9	0	0.9%	
22.2%	9	9	0	0.0%	
23.5%	9	9	0	0.0%	
24.7%	9	9	0	0.0%	
25.9%	9	9	0	0.0%	
27.2%	8	8	0	0.0%	
28.4%	8	8	0	0.0%	
29.6%	8	8	0	-0.2%	
30.9%	8	8	0	-0.3%	
32.1%	8	8	0	-3.3%	
33.3%	8	8	0	0.0%	
34.6%	8	8	0	0.6%	
35.8%	8	8	0	0.0%	
37.0%	7	7	0	0.0%	
38.3%	7	7	0	0.0%	
39.5%	7	7	0	0.0%	
40.7%	7	7	0	0.0%	
42.0%	7	7	0	0.0%	
43.2%	7	7	0	1.0%	
44.4%	6	6	0	-0.5%	
45.7%	6	6	0	0.0%	
46.9%	6	6	0	0.0%	
48.1%	6	6	0	0.0%	
49.4%	6	6	0	-2.2%	
50.6%	6	6	0	-2.8%	
51.9%	6	6	0	-0.8%	
53.1%	6	5	0	-0.9%	
54.3%	5	5	0	-1.6%	
55.6%	5	5	0	-2.2%	
56.8%	5	5	0	-1.1%	
58.0%	5	5	0	-2.5%	
59.3%	5	5	0	1.0%	
60.5%	5	5	0	5.1%	
61.7%	5	5	0	2.4%	
63.0%	5	5	0	1.1%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	0.0%	
66.7%	5	5	0	1.1%	
67.9%	5	5	0	2.7%	
69.1%	4	5	0	3.9%	
70.4%	4	5	0	0.2%	
71.6%	4	4	0	0.0%	
72.8%	4	4	0	0.0%	
74.1%	4	4	0	0.0%	
75.3%	4	4	0	0.0%	
76.5%	4	4	0	0.0%	
77.8%	4	4	0	0.0%	
79.0%	4	4	0	0.0%	
80.2%	4	4	0	0.0%	
81.5%	4	4	0	0.7%	
82.7%	4	4	0	1.5%	
84.0%	4	4	0	0.9%	
85.2%	4	4	0	2.1%	
86.4%	4	4	0	0.7%	
87.7%	4	4	0	1.0%	
88.9%	4	4	0	1.8%	
90.1%	4	4	0	0.9%	
91.4%	4	4	0	-2.1%	
92.6%	4	4	0	0.6%	
93.8%	4	4	0	-0.4%	
95.1%	4	4	0	0.0%	
96.3%	4	4	0	0.0%	
97.5%	3	3	0	1.1%	
98.8%	3	3	0	14.9%	
100.0%	3	3	0	0.0%	

March					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	12	12	0	0.0%	
1.2%	10	12	0	0.0%	
2.5%	11	11	0	0.0%	
3.7%	10	10	0	0.0%	
4.9%	10	10	0	0.0%	
6.2%	10	10	0	0.0%	
7.4%	10	10	0	0.0%	
8.6%	10	10	0	0.0%	
9.9%	9	9	0	0.0%	
11.1%	8	9	0	0.0%	
12.3%	9	9	0	1.5%	
13.6%	9	9	0	0.8%	
14.8%	8	8	0	0.0%	
16.0%	8	8	0	0.0%	
17.3%	8	8	0	0.0%	
18.5%	8	8	0	0.0%	
19.8%	8	8	0	0.0%	
21.0%	7	7	0	0.0%	
22.2%	7	7	0	0.0%	
23.5%	7	7	0	0.0%	
24.7%	7	7	0	0.0%	
25.9%	7	7	0	0.0%	
27.2%	7	7	0	0.7%	
28.4%	7	7	0	0.0%	
29.6%	7	7	0	0.0%	
30.9%	7	7	0	0.0%	
32.1%	7	7	0	-0.4%	
33.3%	7	7	0	-0.3%	
34.6%	7	7	0	0.0%	
35.8%	7	7	0	-0.1%	
37.0%	7	7	0	0.0%	
38.3%	7	7	0	0.0%	
39.5%	6	6	0	0.0%	
40.7%	6	6	0	0.0%	
42.0%	6	6	0	0.0%	
43.2%	6	6	0	0.0%	
44.4%	6	6	0	0.0%	
45.7%	6	6	0	-0.1%	
46.9%	6	6	0	0.0%	
48.1%	6	6	0	0.1%	
49.4%	6	6	0	0.0%	
50.6%	6	6	0	0.0%	
51.9%	5	6	0	3.9%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.0%	
55.6%	5	5	0	0.6%	
56.8%	5	5	0	0.7%	
58.0%	5	5	0	0.4%	
59.3%	5	5	0	0.8%	
60.5%	5	5	0	1.2%	
61.7%	5	5	0	1.2%	
63.0%	5	5	0	2.6%	
64.2%	5	5	0	0.3%	
65.4%	5	5	0	0.0%	
66.7%	5	5	0	0.0%	
67.9%	5	5	0	0.0%	
69.1%	5	5	0	0.0%	
70.4%	5	5	0	0.0%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	0.0%	
74.1%	5	5	0	-0.5%	
75.3%	4	4	0	0.0%	
76.5%	4	4	0	0.0%	
77.8%	4	4	0	1.9%	
79.0%	4	4	0	0.2%	
80.2%	4	4	0	6.7%	
81.5%	4	4	0	7.8%	
82.7%	4	4	0	4.6%	
84.0%	4	4	0	0.0%	
85.2%	4	4	0	0.0%	
86.4%	4	4	0	0.0%	
87.7%	4	4	0	0.0%	
88.9%	4	4	0	0.0%	
90.1%	4	4	0	0.0%	
91.4%	4	4	0	0.0%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	0.0%	
96.3%	4	4	0	0.0%	
97.5%	3	4	1	18.5%	
98.8%	3	4	1	14.9%	
100.0%	3	3	0	0.3%	

April					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	12	12	0	0.0%	
1.2%	10	10	0	0.0%	
2.5%	9	9	0	0.0%	
3.7%	9	9	0	0.0%	
4.9%	8	8	0	0.0%	
6.2%	8	8	0	0.0%	
7.4%	8	8	0	0.0%	
8.6%	8	8	0	0.0%	
9.9%	8	8	0	0.0%	
11.1%	8	8	0	0.0%	
12.3%	8	8	0	0.0%	
13.6%	8	8	0	0.1%	
14.8%	8	8	0	0.1%	
16.0%	8	8	0	0.0%	
17.3%	8	8	0	-0.1%	
18.5%	8	8	0	0.0%	
19.8%	7	7	0	0.0%	
21.0%	7	7	0	0.0%	
22.2%	7	7	0	0.0%	
23.5%	7	7	0	0.0%	
24.7%	7	7	0	0.0%	
25.9%	7	7	0	0.0%	
27.2%	7	7	0	0.7%	
28.4%	7	7	0	0.8%	
29.6%	7	7	0	1.1%	
30.9%	7	7	0	0.4%	
32.1%	6	7	0	1.2%	
33.3%	6	6	0	0.0%	
34.6%	6	6	0	0.0%	
35.8%	6	6	0	0.0%	
37.0%	6	6	0	0.0%	
38.3%	6	6	0	0.0%	
39.5%	6	6	0	0.0%	
40.7%	6	6	0	-1.2%	
42.0%	6	6	0	-0.8%	
43.2%	6	6	0	-2.9%	
44.4%	6	6	0	-1.3%	
45.7%	6	6	0	-0.8%	
46.9%	6	6	0	0.0%	
48.1%	6	6	0	-2.2%	
49.4%	6	6	0	-0.2%	
50.6%	5	6	0	0.0%	
51.9%	5	6	0	0.0%	
53.1%	5	5	0	-0.6%	
54.3%	5	5	0	0.0%	
55.6%	5	5	0	-0.9%	
56.8%	5	5	0	-2.4%	
58.0%	5	5	0	-2.9%	
59.3%	5	5	0	-4.2%	
60.5%	5	5	0	-2.1%	
61.7%	5	5	0	-2.0%	
63.0%	5	5	0	-0.9%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	0.0%	
66.7%	5	5	0	0.0%	
67.9%	5	5	0	0.0%	
69.1%	5	5	0	0.0%	
70.4%	5	5	0	0.0%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	-1.5%	
74.1%	5	5	0	-0.8%	
75.3%	5	5	0	0.0%	
76.5%	4	4	0	0.0%	
77.8%	4	4	0	0.0%	
79.0%	4	4	0	0.2%	
80.2%	4	4	0	0.6%	
81.5%	4	4	0	0.0%	
82.7%	4	4	0	-1.5%	
84.0%	4	4	0	-2.3%	
85.2%	4	4	0	-2.4%	
86.4%	4	4	0	3.6%	
87.7%	4	4	0	4.3%	
88.9%	4	4	0	6.3%	
90.1%	4	4	0	6.6%	
91.4%	4	4	0	5.1%	
92.6%	4	4	0	2.9%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	0.0%	
96.3%	4	4	0	0.0%	
97.5%	4	4	0	0.0%	
98.8%	3	4	1	19.2%	
100.0%	3	3	0	10.0%	

May					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	10	10	0	0.0%	
1.2%	10	10	0	0.0%	
2.5%	9	9	0	0.0%	
3.7%	9	9	0	0.0%	
4.9%	9	9	0	0.0%	
6.2%	9	9	0	0.0%	
7.4%	9	9	0	0.0%	
8.6%	9	9	0	0.0%	
9.9%	9	9	0	0.0%	
11.1%	9	9	0	0.0%	
12.3%	8	8	0	0.0%	
13.6%	8	8	0	0.0%	
14.8%	8	8	0	0.0%	
16.0%	7	7	0	0.0%	
17.3%	7	7	0	0.0%	
18.5%	7	7	0	0.0%	
19.8%	7	7	0	0.0%	
21.0%	7	7	0	0.0%	
22.2%	7	7	0	0.0%	
23.5%	7	7	0	0.0%	

Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	10	10	0	0.0%	
1.2%	10	10	0	0.0%	
2.5%	9	9	0	-0.0%	
3.7%	9	9	0	0.0%	
4.9%	9	9	0	0.0%	
6.2%	9	9	0	0.0%	
7.4%	9	9	0	0.0%	
8.6%	8	8	0	0.0%	
9.9%	8	8	0	0.0%	
11.1%	8	8	0	0.0%	
12.3%	8	8	0	0.0%	
13.6%	7	7	0	0.0%	
14.8%	7	7	0	0.0%	
16.0%	7	7	0	0.0%	
17.3%	7	7	0	0.0%	
18.5%	7	7	0	1.3%	
19.8%	7	7	0	3.8%	
21.0%	7	7	0	0.2%	
22.2%	7	7	0	0.0%	
23.5%	7	7	0	-0.0%	
24.7%	7	7	0	0.0%	
25.9%	7	7	0	1.3%	
27.2%	6	7	0	2.3%	
28.4%	6	6	0	1.3%	
29.6%	6	6	0	-1.2%	
30.9%	6	6	0	0.0%	
32.1%	6	6	0	0.2%	
33.3%	6	6	0	4.5%	
34.6%	6	6	0	4.5%	
35.8%	6	6	0	4.9%	
37.0%	6	6	0	-4.9%	
38.3%	6	6	0	0.0%	
39.5%	6	6	0	0.0%	
40.7%	6	6	0	0.0%	
42.0%	6	6	0	-2.1%	
43.2%	6	6	0	-1.8%	
44.4%	6	5	0	-2.4%	
45.7%	6	5	0	-2.6%	
46.9%	5	5	0	-2.2%	
48.1%	5	5	0	-3.0%	
49.4%	5	5	0	-2.8%	
50.6%	5	5	0	-2.6%	
51.9%	5	5	0	-2.3%	
53.1%	5	5	0	-2.7%	
54.3%	5	5	0	-1.9%	
55.6%	5	5	0	-0.7%	
56.8%	5	5	0	-0.5%	
58.0%	5	5	0	-0.2%	
59.3%	5	5	0	-1.1%	
60.5%	5	5	0	-2.8%	
61.7%	5	5	0	-0.4%	
63.0%	5	5	0	-0.3%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	1.8%	
66.7%	5	5	0	1.6%	
67.9%	5	5	0	1.6%	
69.1%	5	5	0	1.5%	
70.4%	5	5	0	1.9%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	0.0%	
74.1%	5	5	0	0.0%	
75.3%	5	5	0	0.0%	
76.5%	5	5	0	0.0%	
77.8%	5	5	0	0.0%	
79.0%	5	5	0	0.0%	
80.2%	5	5	0	0.0%	
81.5%	5	5	0	1.1%	
82.7%	5	5	0	1.7%	
84.0%	4	4	0	3.4%	
85.2%	4	5	0	5.3%	
86.4%	4	5	0	6.0%	
87.7%	4	5	0	6.0%	
88.9%	4	5	0	7.8%	
90.1%	4	4	0	10.8%	
91.4%	4	4	0	10.5%	
92.6%	4	4	0	4.6%	
93.8%	4	4	0	6.8%	
95.1%	4	4	0	7.1%	
96.3%	4	4	0	3.9%	
97.5%	3	4	0	2.1%	
98.8%	3	4	0	3.6%	
100.0%	3	3	0	4.9%	

July					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	8	8	0	0.0%	
1.2%	7	7	0	-0.7%	
2.5%	7	7	0	-0.4%	
3.7%	7	7	0	0.0%	
4.9%	7	7	0	0.0%	
6.2%	7	7	0	0.0%	
7.4%	7	7	0	0.0%	
8.6%	7	7	0	0.0%	
9.9%	7	7	0	0.0%	
11.1%	7	7	0	0.0%	
12.3%	7	7	0	0.0%	
13.6%	7	7	0	-0.8%	
14.8%	7	7	0	-3.4%	
16.0%	7	7	0	-5.8%	
17.3%	6	7	0	-6.1%	
18.5%	7	7	0	-6.6%	
19.8%	7	7	0	-6.7%	
21.0%	7	7	0	-6.9%	
22.2%	7	7	-1	-8.6%	
23.5%	7	6	-1	-8.1%	
24.7%	7	6	-1	-9.2%	
25.9%	7	6	-1	-9.7%	
27.2%	7	6	-1	-10.3%	
28.4%	6	6	-1	-8.8%	
29.6%	7	6	-1	-8.9%	
30.9%	7	6	-1	-8.4%	
32.1%	7	6	-1	-8.0%	
33.3%	7	6	-1	-7.8%	
34.6%	7	6	-1	-8.2%	
35.8%	7	6	0	-6.4%	
37.0%	7	6	0	-6.8%	
38.3%	7	6	-1	-8.3%	
39.5%	7	6	-1	-7.8%	
40.7%	7	6	0	-7.5%	
42.0%	7	6	-1	-8.9%	
43.2%	7	6	-1	-8.7%	
44.4%	6	6	-1	-8.4%	
45.7%	6	6	-1	-8.2%	
46.9%	6	6	-1	-7.9%	
48.1%	6	6	0	-7.6%	
49.4%	6	6	-1	-9.6%	
50.6%	6	6	-1	-9.4%	
51.9%	6	6	-1	-8.4%	
53.1%	6	6	0	-7.7%	
54.3%	6	6	0	-7.5%	
55.6%	6	6	0	-8.3%	
56.8%	6	6	0	-7.9%	
58.0%	6	6	0	-8.7%	
59.3%	6	5	0	-7.3%	
60.5%	6	5	0	-7.2%	
61.7%	6	5	0	-7.5%	
63.0%	6	5	0	-7.5%	
64.2%	6	5	0	-7.4%	
65.4%	6	5	0	-6.2%	
66.7%	6	5	0	-6.0%	
67.9%	6	5	0	-6.0%	
69.1%	6	5	0	-6.0%	
70.4%	6	5	0	-4.8%	
71.6%	6	5	0	-4.7%	
72.8%	6	5	0	-4.4%	
74.1%	6	5	0	-4.5%	
75.3%	6	5	0	-3.7%	
76.5%	6	5	0	-3.8%	
77.8%	5	5	0	-8.3%	
79.0%	5	5	0	-8.1%	
80.2%	5	5	0	-8.0%	
81.5%	5	5	0	-8.4%	
82.7%	5	5	0	-9.1%	
84.0%	5	5	0	-8.6%	
85.2%	5	5	0	-8.3%	
86.4%	5	5	-1	-9.8%	
87.7%	5	5	-1	-12.4%	
88.9%	5	5	-1	-13.9%	
90.1%	5	5	0	-8.8%	
91.4%	5	5	0	-8.5%	
92.6%	4	5	0	-5.4%	
93.8%	5	4	0	-2.1%	
95.1%	4	4	1	12.8%	
96.3%	4	4	0	8.6%	
97.5%	3	4	0	12.0%	
98.8%	3	4	0	14.7%	
100.0%	3	3	0	3.8%	

August					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	0.0%	
2.5%	7	7	0	0.0%	
3.7%	7	7	0	0.0%	
4.9%	7	7	0	0.0%	
6.2%	6	6	0	0.0%	
7.4%	6	6	0	0.0%	
8.6%	6	6	0	0.0%	
9.9%	6	6	0	0.0%	
11.1%	6	6	0	0.0%	
12.3%	6	6	0	0.0%	
13.6%	6	6	0	0.5%	
14.8%	6	6	0	1.2%	
16.0%	6	6	0	0.3%	
17.3%	6	6	0	0.2%	
18.5%	6	6	0	1.0%	
19.8%	6	6	0	-3.7%	
21.0%	6	6	0	-0.8%	
22.2%	6	6	0	2.0%	
23.5%	6	6	0	2.3%	
24.7%	5	6	0	5.1%	
25.9%	5	6	0	5.1%	
27.2%	5	6	0	6.4%	
28.4%	5	6	0	6.8%	
29.6%	5	6	0	4.8%	
30.9%	5	6	0	3.8%	
32.1%	5	6	0	3.4%	
33.3%	5	5	0	2.1%	
34.6%	5	5	0	2.1%	
35.8%	5	5	0	2.7%	
37.0%	5	5	0	0.5%	
38.3%	5	5	0	4.8%	
39.5%	5	5	0	-0.4%	
40.7%	5	5	0	-0.3%	
42.0%	5	5	0	-0.2%	
43.2%	5	5	0	0.0%	
44.4%	5	5	0	0.8%	
45.7%	5	5	0	1.1%	
46.9%	5	5	0	1.5%	
48.1%	5	5	0	1.6%	
49.4%	5	5	0	1.6%	
50.6%	5	5	0	1.9%	
51.9%	5	5	0	2.9%	
53.1%	5	5	0	4.1%	
54.3%	5	5	0	4.0%	
55.6%	5	5	0	3.5%	
56.8%	5	5	0	3.5%	
58.0%	5	5	0	3.4%	
59.3%	5	5	0	1.4%	
60.5%	5	5	0	1.0%	
61.7%	5	5	0	0.9%	
63.0%	5	5	0	0.5%	
64.2%	5	5	0	0.4%	
65.4%	5	5	0	0.3%	
66.7%	5	5	0	0.0%	
67.9%	5	5	0	0.0%	
69.1%	5	5	0	0.0%	
70.4%	5	5	0	0.0%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	0.0%	
74.1%	5	5	0	0.3%	
75.3%	5	5	0	0.0%	
76.5%	5	5	0	-1.0%	
77.8%	5	5	0	0.5%	
79.0%	5	5	0	0.0%	
80.2%	4	5	0	8.3%	
81.5%	4	4	0	7.2%	
82.7%	4	4	1	15.5%	
84.0%	4	4	1	16.3%	
85.2%	4	4	1	17.5%	
86.4%	4	4	0	9.8%	
87.7%	4	4	0	9.7%	
88.9%	4	4	0	9.3%	
90.1%	4	4	0	8.0%	
91.4%	4	4	0	7.2%	
92.6%	4	4	0	6.6%	
93.8%	4	4	0	9.4%	
95.1%	4	4	0	7.5%	
96.3%	3	4	0	13.4%	
97.5%	3	4	0	14.8%	
98.8%	3	4	0	15.0%	
100.0%	3	3	0	6.8%	

September					
Percent Exceedance Probability	DCR 2015 Without Project Monthly Stage (FT)	DCR 2015 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	-0.4%	
1.2%	7	7	0	-1.5%	
2.5%	7	7	0	-2.6%	
3.7%	7	7	0	-3.2%	
4.9%	7	7	0	-3.6%	
6.2%	7	7	0	-2.5%	
7.4%	7	7	0	-2.6%	
8.6%	7	7	0	-2.76%	
9.9%	7	7	0	-4.1%	
11.1%	7	6	0	-6.9%	
12.3%	7	6	0	-6.3%	
13.6%	7	6	0	-6.2%	
14.8%	7	6	0	-1	-7.6%
16.0%	7	6	0	-7.4%	
17.3%	6	6	0	-7.0%	
18.5%	6	6	0	-7.0%	
19.8%	6	6	0	-7.3%	
21.0%	6	6	0	-4.1%	
22.2%	6	6	0	-3.6%	
23.5%	6	6	0	-8.0%	
24.7%	6	5	0	-6.6%	</

**River Temperature Modeling**  
Summary Tables, Bar Charts, Exceedance  
Probability Charts and Tables

---

Table SQ2-1a  
Sacramento River below Keswick, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	54.7	54.6	50.8	47.4	46.0	46.6	47.7	48.7	49.6	51.1	52.4	52.9
DCR 2015 With Project	54.6	54.6	50.9	47.4	46.1	46.7	47.8	48.9	49.7	50.9	51.9	52.0
Difference	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.1	-0.5	-0.9
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	-0.3%	-0.9%	-1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	54.1	55.0	51.4	46.7	45.2	45.7	46.9	47.9	49.0	50.5	51.4	50.9
DCR 2015 With Project	54.3	55.1	51.5	46.7	45.3	45.7	47.0	48.0	49.0	50.5	51.2	50.7
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.3
Percent Difference	0.4%	0.2%	0.2%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	-0.2%	-0.5%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	53.9	54.3	50.6	47.8	46.1	46.5	47.8	48.8	49.3	50.3	51.6	51.6
DCR 2015 With Project	53.7	54.2	50.8	48.0	46.2	46.7	47.9	48.9	49.4	50.2	51.2	50.9
Difference	-0.2	-0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	-0.1	-0.5	-0.6
Percent Difference	-0.4%	-0.2%	0.2%	0.5%	0.3%	0.3%	0.2%	0.2%	0.3%	-0.2%	-0.9%	-1.2%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	53.8	53.5	50.3	47.2	45.8	46.6	47.8	48.7	48.9	50.3	51.8	52.7
DCR 2015 With Project	53.5	53.3	50.1	47.2	45.8	46.6	47.8	48.9	49.3	50.2	51.5	52.0
Difference	-0.2	-0.2	-0.1	0.1	0.1	0.1	0.1	0.1	0.4	-0.2	-0.3	-0.7
Percent Difference	-0.5%	-0.4%	-0.3%	0.1%	0.2%	0.2%	0.1%	0.3%	0.8%	-0.3%	-0.6%	-1.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	54.7	54.3	50.4	47.7	46.6	47.3	48.0	48.8	49.6	51.2	53.0	53.4
DCR 2015 With Project	54.6	54.2	50.4	47.7	46.6	47.4	48.1	49.0	49.9	51.1	52.5	52.4
Difference	-0.1	-0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.3	-0.1	-0.5	-1.1
Percent Difference	-0.1%	-0.3%	-0.1%	0.0%	0.2%	0.3%	0.2%	0.4%	0.5%	-0.2%	-1.0%	-2.0%
<b>Critical (15%)</b>												
DCR 2015 Without Project	57.7	55.6	50.9	48.2	46.8	47.6	48.5	50.2	51.9	53.6	55.3	57.8
DCR 2015 With Project	57.6	55.8	51.5	48.3	47.1	47.9	48.9	50.6	51.8	53.0	53.9	55.5
Difference	-0.1	0.1	0.6	0.2	0.3	0.3	0.4	0.4	0.0	-0.6	-1.4	-2.3
Percent Difference	-0.2%	0.2%	1.1%	0.3%	0.6%	0.6%	0.7%	0.8%	0.0%	-1.1%	-2.5%	-4.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

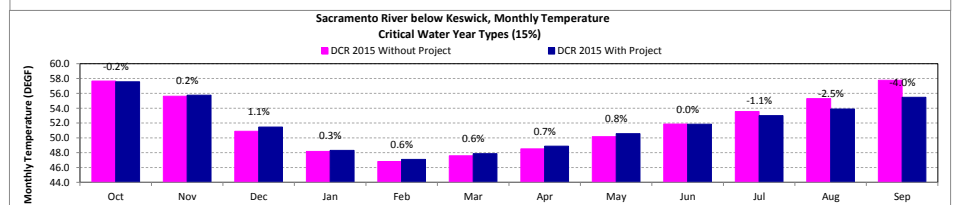
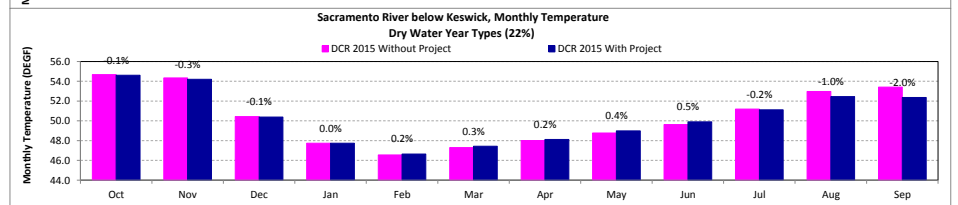
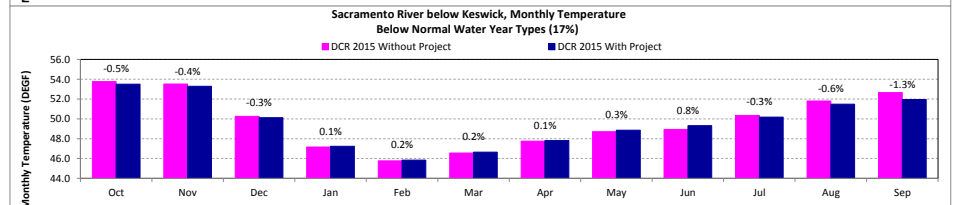
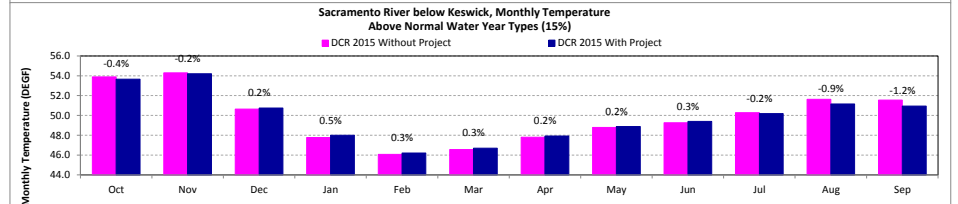
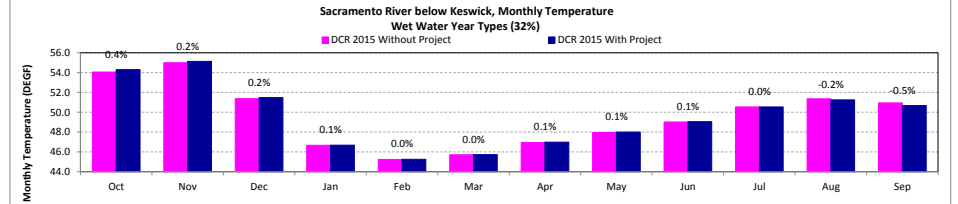
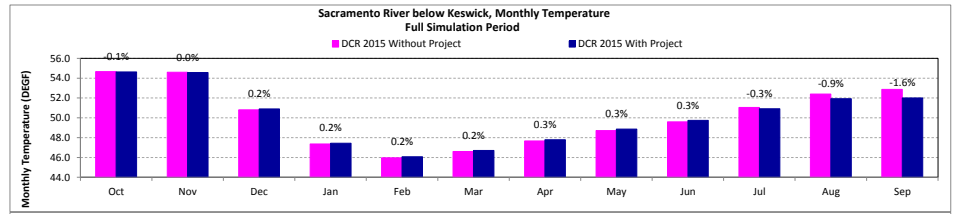




Figure SQ2-1b  
 Sacramento River below Keswick, Monthly Temperature  
 Probability of Exceedance

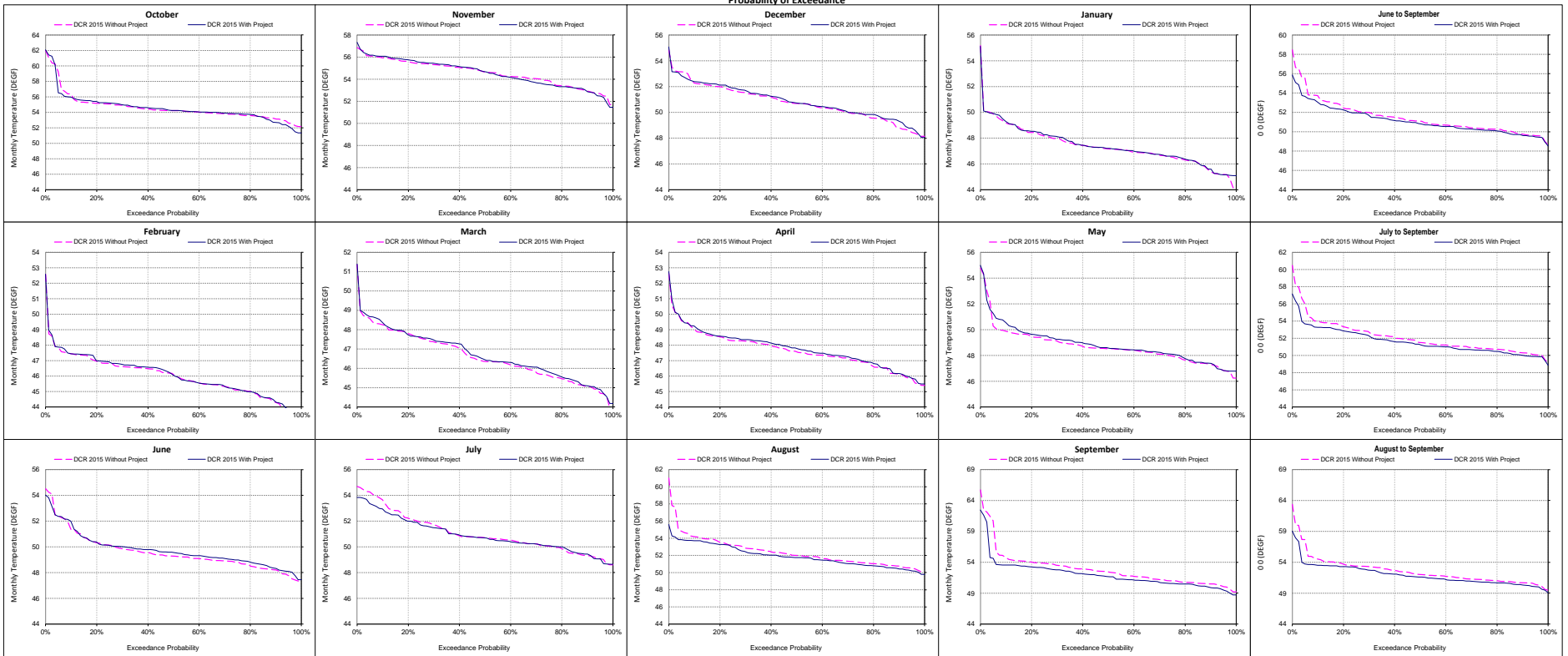


Table SQ2-1b  
Sacramento River below Keswick, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	62.0	62.1	0.1	0.1%	
1.2%	61.1	61.4	0.4	0.6%	
2.5%	60.4	61.3	0.9	1.4%	
3.7%	60.2	60.1	-0.1	-0.2%	
4.9%	59.3	56.5	-2.7	-4.6%	
6.2%	57.0	56.4	-0.6	-1.0%	
7.4%	56.7	56.1	-0.6	-1.1%	
8.6%	56.4	56.0	-0.4	-0.7%	
9.9%	56.4	56.0	-0.4	-0.7%	
11.1%	55.7	55.8	0.1	0.2%	
12.3%	55.4	55.6	0.2	0.4%	
13.6%	55.3	55.6	0.3	0.5%	
14.8%	55.3	55.5	0.2	0.4%	
16.0%	55.3	55.5	0.2	0.5%	
17.3%	55.3	55.5	0.3	0.5%	
18.5%	55.2	55.4	0.2	0.4%	
19.8%	55.2	55.4	0.2	0.4%	
21.0%	55.2	55.3	0.1	0.2%	
22.2%	55.1	55.3	0.1	0.2%	
23.5%	55.1	55.2	0.1	0.3%	
24.7%	55.1	55.2	0.1	0.2%	
25.9%	55.1	55.2	0.1	0.2%	
27.2%	55.0	55.1	0.2	0.3%	
28.4%	55.0	55.1	0.2	0.3%	
29.6%	54.9	55.0	0.1	0.1%	
30.9%	54.9	54.9	0.0	0.1%	
32.1%	54.7	54.9	0.2	0.3%	
33.3%	54.7	54.8	0.1	0.2%	
34.6%	54.7	54.7	0.0	0.0%	
35.8%	54.6	54.7	0.1	0.2%	
37.0%	54.5	54.6	0.1	0.2%	
38.3%	54.5	54.6	0.2	0.3%	
39.5%	54.4	54.6	0.2	0.4%	
40.7%	54.4	54.6	0.1	0.3%	
42.0%	54.3	54.5	0.2	0.4%	
43.2%	54.3	54.5	0.2	0.4%	
44.4%	54.3	54.5	0.2	0.4%	
45.7%	54.3	54.5	0.2	0.4%	
46.9%	54.2	54.4	0.1	0.2%	
48.1%	54.2	54.3	0.1	0.1%	
49.4%	54.2	54.2	0.0	0.0%	
50.6%	54.2	54.2	0.0	0.0%	
51.9%	54.2	54.2	0.0	0.0%	
53.1%	54.2	54.2	0.0	0.0%	
54.3%	54.2	54.2	0.0	0.0%	
55.6%	54.1	54.1	0.0	0.1%	
56.8%	54.1	54.1	0.1	0.1%	
58.0%	54.1	54.1	0.1	0.1%	
59.3%	54.1	54.1	0.0	0.1%	
60.5%	54.0	54.1	0.1	0.1%	
61.7%	54.0	54.0	0.1	0.1%	
63.0%	53.9	54.0	0.1	0.2%	
64.2%	53.9	54.0	0.1	0.2%	
65.4%	53.9	54.0	0.1	0.2%	
66.7%	53.9	54.0	0.1	0.2%	
67.9%	53.9	54.0	0.1	0.2%	
69.1%	53.8	53.9	0.1	0.1%	
70.4%	53.8	53.9	0.1	0.2%	
71.6%	53.8	53.9	0.1	0.2%	
72.8%	53.8	53.9	0.1	0.2%	
74.1%	53.8	53.8	0.1	0.1%	
75.3%	53.7	53.8	0.1	0.1%	
76.5%	53.6	53.8	0.1	0.3%	
77.8%	53.6	53.8	0.2	0.3%	
79.0%	53.6	53.7	0.2	0.3%	
80.2%	53.6	53.7	0.2	0.3%	
81.5%	53.6	53.7	0.1	0.2%	
82.7%	53.5	53.5	-0.1	-0.1%	
84.0%	53.5	53.4	-0.1	-0.2%	
85.2%	53.4	53.4	-0.1	-0.1%	
86.4%	53.3	53.1	-0.2	-0.3%	
87.7%	53.3	53.0	-0.3	-0.5%	
88.9%	53.2	52.7	-0.5	-1.0%	
90.1%	53.1	52.7	-0.4	-0.8%	
91.4%	53.1	52.6	-0.5	-0.9%	
92.6%	53.0	52.4	-0.6	-1.1%	
93.8%	52.9	52.4	-0.5	-1.0%	
95.1%	52.6	52.2	-0.4	-0.8%	
96.3%	52.6	51.9	-0.7	-1.3%	
97.5%	52.3	51.5	-0.8	-1.5%	
98.8%	52.2	51.3	-0.8	-1.6%	
100.0%	52.2	51.3	-0.9	-1.6%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.9	57.3	0.5	0.8%	
1.2%	56.7	56.7	0.0	0.0%	
2.5%	56.5	56.4	-0.1	-0.2%	
3.7%	56.1	56.3	0.2	0.3%	
4.9%	56.1	56.2	0.1	0.1%	
6.2%	56.1	56.2	0.1	0.2%	
7.4%	56.0	56.1	0.1	0.1%	
8.6%	56.0	56.1	0.1	0.2%	
9.9%	55.9	56.1	0.1	0.2%	
11.1%	55.9	56.1	0.1	0.3%	
12.3%	55.9	56.0	0.1	0.2%	
13.6%	55.8	55.9	0.1	0.1%	
14.8%	55.8	55.9	0.1	0.1%	
16.0%	55.7	55.9	0.1	0.2%	
17.3%	55.6	55.8	0.2	0.4%	
18.5%	55.6	55.8	0.2	0.3%	
19.8%	55.6	55.8	0.1	0.3%	
21.0%	55.5	55.7	0.2	0.4%	
22.2%	55.5	55.7	0.2	0.4%	
23.5%	55.4	55.6	0.1	0.2%	
24.7%	55.4	55.5	0.1	0.2%	
25.9%	55.4	55.5	0.1	0.2%	
27.2%	55.4	55.5	0.1	0.1%	
28.4%	55.3	55.4	0.1	0.2%	
29.6%	55.3	55.4	0.1	0.2%	
30.9%	55.3	55.4	0.1	0.2%	
32.1%	55.3	55.4	0.1	0.1%	
33.3%	55.2	55.4	0.1	0.2%	
34.6%	55.2	55.3	0.1	0.2%	
35.8%	55.2	55.3	0.1	0.2%	
37.0%	55.2	55.2	0.0	0.1%	
38.3%	55.1	55.2	0.1	0.2%	
39.5%	55.1	55.2	0.1	0.2%	
40.7%	55.0	55.1	0.1	0.2%	
42.0%	55.0	55.1	0.1	0.1%	
43.2%	55.0	55.1	0.1	0.1%	
44.4%	55.0	55.0	0.1	0.1%	
45.7%	54.9	55.0	0.1	0.1%	
46.9%	54.8	54.9	0.1	0.2%	
48.1%	54.8	54.8	0.0	0.0%	
49.4%	54.7	54.7	0.0	0.0%	
50.6%	54.7	54.7	0.0	0.0%	
51.9%	54.6	54.5	-0.1	-0.1%	
53.1%	54.6	54.5	0.0	-0.1%	
54.3%	54.6	54.4	-0.2	-0.3%	
55.6%	54.4	54.3	-0.1	-0.2%	
56.8%	54.3	54.3	-0.1	-0.1%	
58.0%	54.3	54.3	0.0	0.0%	
59.3%	54.3	54.2	-0.1	-0.1%	
60.5%	54.2	54.1	-0.1	-0.2%	
61.7%	54.2	54.1	-0.1	-0.2%	
63.0%	54.2	54.1	-0.2	-0.3%	
64.2%	54.2	54.0	-0.2	-0.4%	
65.4%	54.2	53.9	-0.2	-0.5%	
66.7%	54.1	53.9	-0.2	-0.4%	
67.9%	54.1	53.8	-0.3	-0.5%	
69.1%	54.1	53.7	-0.3	-0.6%	
70.4%	54.0	53.7	-0.4	-0.7%	
71.6%	54.0	53.6	-0.4	-0.7%	
72.8%	53.9	53.6	-0.3	-0.6%	
74.1%	53.9	53.5	-0.4	-0.7%	
75.3%	53.9	53.5	-0.4	-0.7%	
76.5%	53.6	53.5	-0.1	-0.3%	
77.8%	53.4	53.4	-0.1	-0.1%	
79.0%	53.4	53.3	-0.1	-0.2%	
80.2%	53.4	53.3	-0.1	-0.1%	
81.5%	53.4	53.3	-0.1	-0.1%	
82.7%	53.4	53.3	-0.1	-0.2%	
84.0%	53.3	53.3	0.0	0.0%	
85.2%	53.2	53.2	0.0	0.0%	
86.4%	53.1	53.2	0.1	0.1%	
87.7%	53.1	53.2	0.1	0.2%	
88.9%	53.0	53.1	0.0	0.1%	
90.1%	52.9	52.9	-0.1	-0.1%	
91.4%	52.8	52.8	0.0	0.0%	
92.6%	52.7	52.8	0.0	0.0%	
93.8%	52.7	52.5	-0.2	-0.4%	
95.1%	52.7	52.5	-0.2	-0.4%	
96.3%	52.5	52.3	-0.1	-0.3%	
97.5%	52.5	51.9	-0.6	-1.1%	
98.8%	51.7	51.5	-0.2	-0.5%	
100.0%	51.7	51.5	-0.2	-0.5%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.8	55.1	0.3	0.5%	
1.2%	53.5	53.2	-0.4	-0.7%	
2.5%	53.2	53.1	-0.1	-0.2%	
3.7%	53.2	53.1	-0.1	-0.1%	
4.9%	53.1	52.8	-0.3	-0.6%	
6.2%	53.1	52.7	-0.4	-0.8%	
7.4%	53.0	52.6	-0.4	-0.8%	
8.6%	52.5	52.5	0.0	-0.1%	
9.9%	52.3	52.4	0.1	0.2%	
11.1%	52.2	52.4	0.1	0.3%	
12.3%	52.2	52.3	0.1	0.3%	
13.6%	52.2	52.3	0.1	0.2%	
14.8%	52.1	52.3	0.1	0.2%	
16.0%	52.1	52.2	0.1	0.2%	
17.3%	52.0	52.2	0.2	0.4%	
18.5%	52.0	52.2	0.2	0.3%	
19.8%	52.0	52.1	0.1	0.2%	
21.0%	52.0	52.1	0.1	0.3%	
22.2%	51.9	52.1	0.3	0.5%	
23.5%	51.8	52.0	0.2	0.4%	
24.7%	51.7	51.9	0.2	0.4%	
25.9%	51.7	51.9	0.2	0.4%	
27.2%	51.6	51.4	-0.2	-0.4%	
28.4%	51.6	51.7	0.2	0.4%	
29.6%	51.5	51.7	0.2	0.3%	
30.9%	51.4	51.6	0.2	0.3%	
32.1%	51.4	51.5	0.1	0.1%	
33.3%	51.4	51.5	0.1	0.1%	
34.6%	51.4	51.4	0.1	0.2%	
35.8%	51.3	51.4	0.1	0.2%	
37.0%	51.3	51.4	0.1	0.2%	
38.3%	51.3	51.3	0.1	0.2%	
39.5%	51.3	51.3	0.0	0.0%	
40.7%	51.1	51.2	0.1	0.2%	
42.0%	51.1	51.2	0.1	0.3%	
43.2%	50.9	51.1	0.3	0.5%	
44.4%	50.9	51.0	0.2	0.4%	
45.7%	50.8	51.0	0.1	0.3%	
46.9%	50.7	50.8	0.1	0.1%	
48.1%	50.7	50.8	0.1	0.1%	
49.4%	50.7	50.7	0.1	0.1%	
50.6%	50.7	50.7	0.0	0.1%	
51.9%	50.7	50.7	0.0	0.0%	
53.1%	50.7	50.7	0.0	0.1%	
54.3%	50.6	50.6	0.0	0.0%	
55.6%	50.6	50.5	-0.1	-0.1%	
56.8%	50.5	50.5	0.0	0.0%	
58.0%	50.4	50.5	0.1	0.1%	
59.3%	50.4	50.5	0.1	0.2%	
60.5%	50.3	50.4	0.1	0.2%	
61.7%	50.3	50.4	0.1	0.1%	
63.0%	50.3	50.4	0.1	0.1%	
64.2%	50.3	50.4	0.1	0.2%	
65.4%	50.2	50.3	0.1	0.2%	
66.7%	50.2	50.2	0.1	0.1%	
67.9%	50.1	50.2	0.1	0.1%	
69.1%	50.0	50.1	0.1	0.2%	
70.4%	50.0	50.0	0.0	0.0%	
71.6%	49.9	50.0	0.1	0.1%	
72.8%	49.9	50.0	0.0	0.1%	
74.1%	49.9	49.9	0.0	0.0%	
75.3%	49.9	49.9	0.0	0.0%	
76.5%	49.8	49.8	0.0	0.0%	
77.8%	49.6	49.8	0.2	0.4%	
79.0%	49.6	49.8	0.3		

Table SQ2-1b  
Sacramento River below Keswick, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.6	52.6	0.0	0.0%	
1.2%	48.7	49.0	0.2	0.5%	
2.5%	48.6	48.7	0.1	0.2%	
3.7%	47.9	47.9	0.0	0.0%	
4.9%	47.9	47.9	0.0	0.0%	
6.2%	47.6	47.9	0.3	0.6%	
7.4%	47.5	47.8	0.2	0.5%	
8.6%	47.5	47.5	0.0	0.0%	
9.9%	47.4	47.4	0.0	0.0%	
11.1%	47.4	47.4	0.0	0.0%	
12.3%	47.4	47.4	0.1	0.1%	
13.6%	47.4	47.4	0.0	0.1%	
14.8%	47.3	47.4	0.0	0.1%	
16.0%	47.3	47.4	0.0	0.1%	
17.3%	47.1	47.4	0.2	0.5%	
18.5%	47.0	47.3	0.3	0.6%	
19.8%	47.0	47.0	0.0	0.0%	
21.0%	46.9	47.0	0.1	0.1%	
22.2%	46.8	47.0	0.1	0.3%	
23.5%	46.8	46.9	0.1	0.2%	
24.7%	46.8	46.9	0.1	0.2%	
25.9%	46.8	46.8	0.0	0.0%	
27.2%	46.7	46.8	0.2	0.3%	
28.4%	46.6	46.8	0.2	0.4%	
29.6%	46.6	46.8	0.2	0.3%	
30.9%	46.6	46.7	0.1	0.3%	
32.1%	46.6	46.7	0.1	0.3%	
33.3%	46.6	46.7	0.1	0.3%	
34.6%	46.6	46.7	0.1	0.3%	
35.8%	46.5	46.6	0.1	0.2%	
37.0%	46.5	46.6	0.1	0.1%	
38.3%	46.5	46.6	0.1	0.2%	
39.5%	46.5	46.6	0.1	0.2%	
40.7%	46.5	46.6	0.1	0.2%	
42.0%	46.5	46.6	0.1	0.2%	
43.2%	46.4	46.5	0.2	0.4%	
44.4%	46.3	46.5	0.2	0.3%	
45.7%	46.2	46.4	0.2	0.4%	
46.9%	46.2	46.3	0.1	0.2%	
48.1%	46.2	46.3	0.1	0.1%	
49.4%	46.2	46.1	0.0	-0.1%	
50.6%	46.0	46.0	0.0	0.0%	
51.9%	45.9	45.9	0.0	0.0%	
53.1%	45.8	45.7	-0.1	-0.2%	
54.3%	45.8	45.7	0.0	-0.1%	
55.6%	45.7	45.7	-0.1	-0.1%	
56.8%	45.7	45.7	0.0	-0.1%	
58.0%	45.6	45.7	0.0	0.0%	
59.3%	45.6	45.6	0.0	0.1%	
60.5%	45.5	45.5	0.0	0.0%	
61.7%	45.5	45.5	0.0	0.1%	
63.0%	45.5	45.5	0.0	0.0%	
64.2%	45.5	45.5	0.0	0.0%	
65.4%	45.5	45.5	0.0	0.0%	
66.7%	45.4	45.5	0.0	0.0%	
67.9%	45.4	45.4	0.0	0.1%	
69.1%	45.4	45.4	0.1	0.2%	
70.4%	45.3	45.3	0.0	-0.1%	
71.6%	45.3	45.2	0.0	-0.1%	
72.8%	45.2	45.2	0.0	0.1%	
74.1%	45.1	45.2	0.1	0.2%	
75.3%	45.1	45.1	0.0	0.1%	
76.5%	45.1	45.1	0.0	0.0%	
77.8%	45.1	45.0	0.0	0.0%	
79.0%	45.0	45.0	0.0	-0.1%	
80.2%	45.0	45.0	0.0	0.0%	
81.5%	44.9	44.9	0.0	0.1%	
82.7%	44.8	44.9	0.0	0.1%	
84.0%	44.6	44.7	0.1	0.2%	
85.2%	44.6	44.6	0.0	0.1%	
86.4%	44.6	44.6	0.0	0.0%	
87.7%	44.5	44.6	0.1	0.1%	
88.9%	44.4	44.5	0.1	0.3%	
90.1%	44.3	44.3	0.0	0.0%	
91.4%	44.2	44.3	0.1	0.1%	
92.6%	43.9	44.2	0.3	0.7%	
93.8%	43.6	44.0	0.4	0.9%	
95.1%	43.4	43.9	0.4	1.0%	
96.3%	42.9	43.4	0.5	1.2%	
97.5%	42.9	43.4	0.5	1.2%	
98.8%	42.8	43.4	0.7	1.5%	
100.0%	42.8	43.4	0.7	1.5%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.4	51.4	0.0	0.1%	
1.2%	49.0	49.0	0.0	0.0%	
2.5%	48.7	48.9	0.2	0.3%	
3.7%	48.7	48.8	0.1	0.2%	
4.9%	48.6	48.7	0.1	0.2%	
6.2%	48.4	48.7	0.3	0.6%	
7.4%	48.3	48.8	0.5	0.8%	
8.6%	48.3	48.5	0.2	0.5%	
9.9%	48.3	48.4	0.1	0.2%	
11.1%	48.2	48.2	0.0	0.0%	
12.3%	48.0	48.1	0.1	0.3%	
13.6%	48.0	48.0	0.1	0.1%	
14.8%	48.0	48.0	0.0	0.0%	
16.0%	47.9	48.0	0.0	0.1%	
17.3%	47.9	48.0	0.0	0.1%	
18.5%	47.9	47.9	0.0	0.0%	
19.8%	47.8	47.8	-0.1	-0.1%	
21.0%	47.8	47.7	-0.1	-0.2%	
22.2%	47.7	47.7	0.0	0.0%	
23.5%	47.6	47.6	0.0	0.0%	
24.7%	47.6	47.6	0.1	0.1%	
25.9%	47.5	47.6	0.1	0.1%	
27.2%	47.5	47.6	0.1	0.1%	
28.4%	47.4	47.5	0.1	0.3%	
29.6%	47.4	47.5	0.1	0.2%	
30.9%	47.3	47.4	0.1	0.1%	
32.1%	47.3	47.4	0.1	0.1%	
33.3%	47.3	47.4	0.1	0.2%	
34.6%	47.3	47.3	0.1	0.2%	
35.8%	47.2	47.3	0.1	0.2%	
37.0%	47.2	47.3	0.1	0.3%	
38.3%	47.1	47.3	0.2	0.3%	
39.5%	47.1	47.3	0.2	0.4%	
40.7%	47.0	47.3	0.2	0.5%	
42.0%	46.8	47.0	0.2	0.5%	
43.2%	46.6	46.9	0.3	0.5%	
44.4%	46.6	46.7	0.1	0.3%	
45.7%	46.5	46.7	0.1	0.3%	
46.9%	46.4	46.6	0.2	0.4%	
48.1%	46.3	46.5	0.1	0.3%	
49.4%	46.4	46.5	0.1	0.3%	
50.6%	46.4	46.4	0.1	0.1%	
51.9%	46.3	46.4	0.1	0.1%	
53.1%	46.3	46.4	0.0	0.0%	
54.3%	46.3	46.3	0.0	0.0%	
55.6%	46.3	46.3	0.0	0.0%	
56.8%	46.3	46.3	0.0	0.0%	
58.0%	46.3	46.3	0.1	0.1%	
59.3%	46.2	46.3	0.1	0.2%	
60.5%	46.2	46.3	0.1	0.3%	
61.7%	46.1	46.2	0.1	0.2%	
63.0%	46.1	46.2	0.1	0.2%	
64.2%	46.1	46.1	0.1	0.1%	
65.4%	46.1	46.1	0.1	0.1%	
66.7%	46.0	46.1	0.1	0.3%	
67.9%	45.9	46.1	0.2	0.3%	
69.1%	45.9	46.1	0.2	0.4%	
70.4%	45.7	46.1	0.3	0.7%	
71.6%	45.7	46.0	0.3	0.6%	
72.8%	45.7	45.9	0.2	0.5%	
74.1%	45.7	45.8	0.2	0.4%	
75.3%	45.6	45.8	0.2	0.4%	
76.5%	45.5	45.7	0.2	0.4%	
77.8%	45.5	45.7	0.1	0.3%	
79.0%	45.5	45.6	0.1	0.2%	
80.2%	45.5	45.5	0.1	0.2%	
81.5%	45.4	45.5	0.0	0.1%	
82.7%	45.3	45.5	0.1	0.3%	
84.0%	45.3	45.4	0.1	0.2%	
85.2%	45.2	45.4	0.2	0.4%	
86.4%	45.2	45.3	0.1	0.3%	
87.7%	45.1	45.2	0.0	0.0%	
88.9%	45.1	45.1	0.0	0.1%	
90.1%	45.1	45.1	0.0	0.1%	
91.4%	45.1	45.1	0.0	0.0%	
92.6%	44.9	45.1	0.1	0.3%	
93.8%	44.9	44.9	0.0	0.1%	
95.1%	44.7	44.9	0.2	0.4%	
96.3%	44.7	44.7	0.0	0.0%	
97.5%	44.6	44.5	0.0	-0.1%	
98.8%	43.9	44.2	0.3	0.6%	
100.0%	43.9	44.2	0.3	0.6%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.7	52.8	0.1	0.2%	
1.2%	50.6	50.9	0.4	0.8%	
2.5%	50.1	50.1	0.0	0.0%	
3.7%	50.0	50.0	0.0	0.0%	
4.9%	49.6	49.6	0.1	0.2%	
6.2%	49.5	49.4	0.0	-0.1%	
7.4%	49.5	49.4	0.0	-0.1%	
8.6%	49.2	49.3	0.0	0.0%	
9.9%	49.0	49.2	0.2	0.4%	
11.1%	48.9	49.1	0.2	0.4%	
12.3%	48.8	49.0	0.1	0.2%	
13.6%	48.8	48.8	0.1	0.1%	
14.8%	48.7	48.8	0.1	0.2%	
16.0%	48.6	48.7	0.1	0.2%	
17.3%	48.6	48.6	0.1	0.1%	
18.5%	48.6	48.6	0.0	0.0%	
19.8%	48.6	48.6	0.0	0.0%	
21.0%	48.5	48.6	0.1	0.1%	
22.2%	48.4	48.5	0.1	0.3%	
23.5%	48.3	48.5	0.2	0.3%	
24.7%	48.3	48.5	0.2	0.4%	
25.9%	48.3	48.5	0.2	0.3%	
27.2%	48.3	48.4	0.1	0.3%	
28.4%	48.3	48.4	0.1	0.2%	
29.6%	48.3	48.4	0.1	0.2%	
30.9%	48.2	48.4	0.1	0.2%	
32.1%	48.2	48.3	0.1	0.2%	
33.3%	48.2	48.3	0.1	0.2%	
34.6%	48.1	48.3	0.2	0.3%	
35.8%	48.1	48.3	0.2	0.3%	
37.0%	48.1	48.2	0.2	0.4%	
38.3%	48.0	48.2	0.2	0.4%	
39.5%	48.0	48.1	0.1	0.2%	
40.7%	47.9	48.1	0.2	0.4%	
42.0%	47.9	48.1	0.2	0.3%	
43.2%	47.8	48.1	0.2	0.5%	
44.4%	47.8	48.0	0.2	0.3%	
45.7%	47.7	47.9	0.2	0.4%	
46.9%	47.6	47.9	0.3	0.5%	
48.1%	47.6	47.8	0.2	0.4%	
49.4%	47.6	47.8	0.2	0.4%	
50.6%	47.5	47.8	0.2	0.5%	
51.9%	47.5	47.7	0.2	0.4%	
53.1%	47.5	47.7	0.2	0.4%	
54.3%	47.4	47.6	0.2	0.4%	
55.6%	47.4	47.6	0.2	0.5%	
56.8%	47.4	47.5	0.1	0.3%	
58.0%	47.4	47.5	0.1	0.3%	
59.3%	47.4	47.5	0.1	0.2%	
60.5%	47.3	47.5	0.1	0.3%	
61.7%	47.3	47.4	0.1	0.2%	
63.0%	47.3	47.4	0.1	0.3%	
64.2%	47.3	47.3	0.1	0.2%	
65.4%	47.2	47.3	0.1	0.2%	
66.7%	47.2	47.3	0.1	0.2%	
67.9%	47.2	47.3	0.1	0.3%	
69.1%	47.2	47.3	0.1	0.2%	
70.4%	47.1	47.2	0.1	0.3%	
71.6%	47.0	47.1	0.1	0.2%	
72.8%	47.0	47.1	0.1	0.2%	
74.1%	46.9	47.0	0.2	0.3%	
75.3%	46.9	47.0	0.1	0.2%	
76.5%	46.9	46.9	0.0	0.1%	
77.8%	46.9	46.9	0.0	0.1%	
79.0%	46.7	46.9	0.2		

Table SQ2-1b  
Sacramento River below Keswick, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.5	54.0	-0.5	-0.9%	
1.2%	54.2	53.8	-0.4	-0.8%	
2.5%	54.1	53.2	-0.9	-1.7%	
3.7%	52.5	52.5	0.0	0.1%	
4.9%	52.4	52.4	-0.1	-0.2%	
6.2%	52.3	52.3	0.1	0.5%	
7.4%	52.2	52.2	0.0	0.0%	
8.6%	52.0	52.1	0.2	0.3%	
9.9%	51.4	52.0	0.6	1.2%	
11.1%	51.4	51.4	0.0	0.0%	
12.3%	51.1	51.2	0.1	0.3%	
13.6%	51.0	50.9	-0.2	-0.3%	
14.8%	50.7	50.7	0.0	0.0%	
16.0%	50.7	50.7	0.0	0.1%	
17.3%	50.5	50.5	0.0	0.0%	
18.5%	50.4	50.4	0.0	0.0%	
19.8%	50.3	50.4	0.1	0.1%	
21.0%	50.3	50.2	-0.1	-0.1%	
22.2%	50.2	50.1	0.0	0.0%	
23.5%	50.2	50.1	0.0	0.0%	
24.7%	50.1	50.1	0.0	0.0%	
25.9%	50.1	50.1	0.0	-0.1%	
27.2%	50.0	50.0	0.1	0.1%	
28.4%	49.9	50.0	0.1	0.2%	
29.6%	49.9	50.0	0.2	0.3%	
30.9%	49.8	50.0	0.2	0.4%	
32.1%	49.8	50.0	0.2	0.4%	
33.3%	49.7	49.9	0.2	0.4%	
34.6%	49.7	49.9	0.1	0.3%	
35.8%	49.7	49.8	0.2	0.3%	
37.0%	49.6	49.8	0.2	0.4%	
38.3%	49.5	49.8	0.2	0.5%	
39.5%	49.5	49.8	0.3	0.5%	
40.7%	49.5	49.8	0.3	0.5%	
42.0%	49.4	49.8	0.3	0.7%	
43.2%	49.4	49.7	0.3	0.7%	
44.4%	49.4	49.6	0.3	0.5%	
45.7%	49.4	49.6	0.2	0.5%	
46.9%	49.3	49.6	0.3	0.6%	
48.1%	49.3	49.6	0.3	0.6%	
49.4%	49.3	49.6	0.3	0.6%	
50.6%	49.3	49.5	0.3	0.5%	
51.9%	49.2	49.5	0.3	0.5%	
53.1%	49.2	49.5	0.3	0.5%	
54.3%	49.2	49.4	0.2	0.4%	
55.6%	49.2	49.4	0.2	0.4%	
56.8%	49.1	49.3	0.2	0.4%	
58.0%	49.1	49.3	0.2	0.4%	
59.3%	49.1	49.3	0.2	0.4%	
60.5%	49.1	49.3	0.2	0.5%	
61.7%	49.0	49.3	0.2	0.4%	
63.0%	49.0	49.2	0.2	0.4%	
64.2%	49.0	49.2	0.2	0.4%	
65.4%	48.9	49.2	0.2	0.5%	
66.7%	48.9	49.2	0.2	0.5%	
67.9%	48.9	49.1	0.2	0.4%	
69.1%	48.9	49.1	0.2	0.4%	
70.4%	48.9	49.1	0.2	0.4%	
71.6%	48.9	49.0	0.2	0.3%	
72.8%	48.9	49.0	0.1	0.3%	
74.1%	48.8	49.0	0.2	0.4%	
75.3%	48.8	49.0	0.2	0.4%	
76.5%	48.7	48.9	0.2	0.5%	
77.8%	48.7	48.9	0.2	0.5%	
79.0%	48.7	48.9	0.2	0.5%	
80.2%	48.5	48.8	0.3	0.6%	
81.5%	48.5	48.7	0.3	0.6%	
82.7%	48.4	48.7	0.3	0.6%	
84.0%	48.3	48.6	0.3	0.6%	
85.2%	48.3	48.6	0.3	0.6%	
86.4%	48.3	48.5	0.2	0.5%	
87.7%	48.3	48.4	0.2	0.4%	
88.9%	48.2	48.4	0.1	0.3%	
90.1%	48.2	48.3	0.1	0.2%	
91.4%	48.1	48.2	0.1	0.2%	
92.6%	47.9	48.2	0.3	0.5%	
93.8%	47.9	48.1	0.2	0.5%	
95.1%	47.8	48.1	0.3	0.7%	
96.3%	47.5	48.0	0.5	1.1%	
97.5%	47.4	47.7	0.3	0.7%	
98.8%	47.3	47.5	0.1	0.2%	
100.0%	47.3	47.5	0.1	0.2%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.7	53.8	-0.9	-1.6%	
1.2%	54.6	53.8	-0.8	-1.4%	
2.5%	54.4	53.8	-0.7	-1.2%	
3.7%	54.3	53.7	-0.6	-1.1%	
4.9%	54.3	53.4	-0.9	-1.7%	
6.2%	54.1	53.3	-0.8	-1.5%	
7.4%	54.0	53.2	-0.8	-1.5%	
8.6%	53.8	53.0	-0.8	-1.6%	
9.9%	53.7	52.9	-0.7	-1.3%	
11.1%	53.3	52.7	-0.6	-1.1%	
12.3%	53.0	52.6	-0.4	-0.7%	
13.6%	52.9	52.5	-0.4	-0.7%	
14.8%	52.8	52.5	-0.3	-0.6%	
16.0%	52.8	52.5	-0.3	-0.7%	
17.3%	52.6	52.2	-0.4	-0.8%	
18.5%	52.3	52.1	-0.2	-0.3%	
19.8%	52.2	52.0	-0.2	-0.5%	
21.0%	52.1	52.0	-0.1	-0.3%	
22.2%	52.1	51.9	-0.2	-0.3%	
23.5%	52.0	51.9	-0.1	-0.2%	
24.7%	51.9	51.7	-0.2	-0.4%	
25.9%	51.9	51.6	-0.3	-0.5%	
27.2%	51.9	51.6	-0.3	-0.6%	
28.4%	51.8	51.6	-0.3	-0.6%	
29.6%	51.7	51.5	-0.2	-0.5%	
30.9%	51.7	51.5	-0.2	-0.4%	
32.1%	51.6	51.4	-0.1	-0.2%	
33.3%	51.4	51.4	0.0	0.0%	
34.6%	51.4	51.4	0.0	0.0%	
35.8%	51.1	51.0	-0.1	-0.2%	
37.0%	51.0	51.0	0.0	0.0%	
38.3%	51.0	51.0	0.0	0.0%	
39.5%	50.9	51.0	0.1	0.1%	
40.7%	50.8	50.9	0.1	0.1%	
42.0%	50.8	50.8	0.0	0.1%	
43.2%	50.8	50.8	0.0	0.1%	
44.4%	50.8	50.8	0.0	0.0%	
45.7%	50.8	50.8	0.0	0.0%	
46.9%	50.7	50.7	0.0	0.0%	
48.1%	50.7	50.7	0.0	0.0%	
49.4%	50.7	50.7	0.0	0.0%	
50.6%	50.7	50.7	0.0	0.0%	
51.9%	50.7	50.6	-0.1	-0.2%	
53.1%	50.6	50.6	-0.1	-0.1%	
54.3%	50.6	50.5	-0.1	-0.3%	
55.6%	50.6	50.5	-0.1	-0.3%	
56.8%	50.6	50.5	-0.1	-0.2%	
58.0%	50.5	50.4	-0.1	-0.2%	
59.3%	50.5	50.4	-0.1	-0.2%	
60.5%	50.5	50.4	-0.1	-0.2%	
61.7%	50.4	50.3	-0.1	-0.2%	
63.0%	50.4	50.3	-0.1	-0.2%	
64.2%	50.3	50.3	0.0	-0.1%	
65.4%	50.3	50.3	0.0	0.0%	
66.7%	50.2	50.3	0.0	0.0%	
67.9%	50.2	50.3	0.0	0.0%	
69.1%	50.2	50.2	0.0	0.0%	
70.4%	50.2	50.2	0.0	0.0%	
71.6%	50.1	50.2	0.1	0.1%	
72.8%	50.1	50.1	0.0	0.0%	
74.1%	50.1	50.1	0.0	0.0%	
75.3%	50.0	50.1	0.0	0.1%	
76.5%	50.0	50.0	0.0	0.0%	
77.8%	50.0	50.0	0.1	0.1%	
79.0%	50.0	50.0	0.0	0.1%	
80.2%	49.8	50.0	0.2	0.3%	
81.5%	49.7	49.9	0.2	0.4%	
82.7%	49.5	49.8	0.2	0.5%	
84.0%	49.5	49.6	0.1	0.2%	
85.2%	49.5	49.6	0.1	0.2%	
86.4%	49.5	49.5	0.1	0.1%	
87.7%	49.4	49.5	0.1	0.2%	
88.9%	49.3	49.4	0.1	0.2%	
90.1%	49.3	49.4	0.0	0.1%	
91.4%	49.3	49.3	0.0	0.1%	
92.6%	49.2	49.1	-0.1	-0.2%	
93.8%	49.1	49.1	0.0	0.0%	
95.1%	49.1	49.1	0.0	0.0%	
96.3%	49.0	48.7	-0.3	-0.7%	
97.5%	48.7	48.7	0.0	0.0%	
98.8%	48.6	48.6	0.0	0.1%	
100.0%	48.6	48.6	0.0	0.1%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	61.0	55.6	-5.4	-8.8%	
1.2%	57.8	54.3	-3.5	-6.1%	
2.5%	57.6	54.3	-3.5	-6.0%	
3.7%	55.0	53.8	-1.2	-2.1%	
4.9%	54.8	53.8	-1.0	-1.8%	
6.2%	54.7	53.8	-0.9	-1.6%	
7.4%	54.6	53.8	-0.8	-1.5%	
8.6%	54.3	53.7	-0.5	-1.0%	
9.9%	54.2	53.7	-0.5	-0.9%	
11.1%	54.1	53.7	-0.4	-0.8%	
12.3%	54.1	53.7	-0.4	-0.7%	
13.6%	53.9	53.6	-0.4	-0.7%	
14.8%	53.9	53.5	-0.4	-0.7%	
16.0%	53.9	53.4	-0.5	-0.9%	
17.3%	53.9	53.4	-0.5	-0.9%	
18.5%	53.8	53.4	-0.4	-0.8%	
19.8%	53.6	53.3	-0.3	-0.5%	
21.0%	53.5	53.3	-0.2	-0.4%	
22.2%	53.4	53.2	-0.1	-0.3%	
23.5%	53.2	53.2	0.0	0.0%	
24.7%	53.2	53.0	-0.2	-0.4%	
25.9%	53.2	52.9	-0.2	-0.5%	
27.2%	53.1	52.7	-0.4	-0.8%	
28.4%	53.1	52.5	-0.5	-1.0%	
29.6%	52.9	52.5	-0.4	-0.7%	
30.9%	52.8	52.3	-0.5	-0.9%	
32.1%	52.8	52.2	-0.5	-1.0%	
33.3%	52.8	52.2	-0.6	-1.0%	
34.6%	52.7	52.2	-0.5	-0.9%	
35.8%	52.6	52.2	-0.5	-0.9%	
37.0%	52.6	52.1	-0.5	-1.0%	
38.3%	52.5	52.0	-0.4	-0.8%	
39.5%	52.5	52.0	-0.4	-0.8%	
40.7%	52.4	52.0	-0.3	-0.6%	
42.0%	52.3	52.0	-0.3	-0.6%	
43.2%	52.3	51.9	-0.4	-0.8%	
44.4%	52.3	51.9	-0.4	-0.8%	
45.7%	52.2	51.8	-0.4	-0.8%	
46.9%	52.2	51.8	-0.4	-0.7%	
48.1%	52.1	51.8	-0.2	-0.4%	
49.4%	52.0	51.8	-0.2	-0.5%	
50.6%	52.0	51.8	-0.2	-0.5%	
51.9%	52.0	51.7	-0.2	-0.5%	
53.1%	51.9	51.7	-0.2	-0.3%	
54.3%	51.9	51.7	-0.1	-0.3%	
55.6%	51.9	51.7	-0.2	-0.4%	
56.8%	51.9	51.5	-0.4	-0.7%	
58.0%	51.9	51.5	-0.4	-0.7%	
59.3%	51.7	51.5	-0.2	-0.4%	
60.5%	51.6	51.5	-0.2	-0.3%	
61.7%	51.6	51.4	-0.2	-0.4%	
63.0%	51.5	51.4	-0.1	-0.1%	
64.2%	51.5	51.4	-0.1	-0.1%	
65.4%	51.4	51.3	-0.1	-0.3%	
66.7%	51.4	51.2	-0.2	-0.5%	
67.9%	51.4	51.1	-0.3	-0.5%	
69.1%	51.1	51.1	0.0	-0.6%	
70.4%	51.3	51.0	-0.3	-0.5%	
71.6%	51.3	51.0	-0.3	-0.5%	
72.8%	51.2	51.0	-0.3	-0.5%	
74.1%	51.2	50.9	-0.3	-0.5%	
75.3%	51.1	50.9	-0.2	-0.5%	
76.5%	51.1	50.8	-0.3	-0.6%	
77.8%	51.1	50.8	-0.3	-0.6%	
79.0%	51.1	50.8	-0.2		

Table SQ2-1b  
Sacramento River below Keswick, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.5	55.9	-2.6	-4.5%	
1.2%	56.6	55.1	-1.5	-2.7%	
2.5%	56.5	54.8	-1.7	-3.0%	
3.7%	55.6	53.7	-1.9	-3.3%	
4.9%	55.6	53.7	-1.9	-3.4%	
6.2%	53.8	53.4	-0.4	-0.7%	
7.4%	53.8	53.4	-0.4	-0.8%	
8.6%	53.8	53.3	-0.5	-0.9%	
9.9%	53.7	53.0	-0.7	-1.3%	
11.1%	53.3	52.8	-0.5	-0.9%	
12.3%	53.2	52.8	-0.4	-0.8%	
13.6%	53.1	52.6	-0.4	-0.8%	
14.8%	53.1	52.4	-0.6	-1.2%	
16.0%	52.9	52.4	-0.5	-1.0%	
17.3%	52.9	52.4	-0.6	-1.1%	
18.5%	52.8	52.3	-0.5	-0.9%	
19.8%	52.5	52.3	-0.2	-0.3%	
21.0%	52.4	52.2	-0.2	-0.4%	
22.2%	52.4	52.0	-0.3	-0.6%	
23.5%	52.3	52.0	-0.4	-0.7%	
24.7%	52.2	51.9	-0.2	-0.5%	
25.9%	52.1	51.9	-0.1	-0.3%	
27.2%	52.0	51.9	-0.1	-0.2%	
28.4%	52.0	51.9	-0.1	-0.2%	
29.6%	52.0	51.7	-0.3	-0.5%	
30.9%	51.9	51.5	-0.4	-0.8%	
32.1%	51.7	51.5	-0.2	-0.4%	
33.3%	51.7	51.4	-0.2	-0.5%	
34.6%	51.7	51.4	-0.3	-0.5%	
35.8%	51.6	51.4	-0.2	-0.4%	
37.0%	51.6	51.3	-0.2	-0.4%	
38.3%	51.5	51.2	-0.3	-0.6%	
39.5%	51.5	51.2	-0.3	-0.6%	
40.7%	51.5	51.1	-0.4	-0.7%	
42.0%	51.4	51.1	-0.3	-0.5%	
43.2%	51.4	51.1	-0.3	-0.5%	
44.4%	51.2	51.0	-0.2	-0.3%	
45.7%	51.2	51.0	-0.2	-0.3%	
46.9%	51.1	51.0	-0.2	-0.4%	
48.1%	51.1	50.9	-0.2	-0.3%	
49.4%	51.1	50.8	-0.3	-0.5%	
50.6%	51.1	50.8	-0.3	-0.6%	
51.9%	50.9	50.7	-0.2	-0.4%	
53.1%	50.9	50.7	-0.2	-0.4%	
54.3%	50.8	50.7	-0.1	-0.2%	
55.6%	50.8	50.6	-0.1	-0.2%	
56.8%	50.7	50.6	-0.1	-0.2%	
58.0%	50.7	50.6	-0.1	-0.2%	
59.3%	50.7	50.5	-0.1	-0.3%	
60.5%	50.7	50.5	-0.1	-0.3%	
61.7%	50.6	50.5	-0.1	-0.2%	
63.0%	50.6	50.5	-0.1	-0.2%	
64.2%	50.6	50.4	-0.2	-0.4%	
65.4%	50.6	50.4	-0.2	-0.4%	
66.7%	50.5	50.3	-0.2	-0.4%	
67.9%	50.5	50.3	-0.2	-0.5%	
69.1%	50.4	50.3	-0.1	-0.3%	
70.4%	50.4	50.3	-0.1	-0.3%	
71.6%	50.4	50.2	-0.1	-0.3%	
72.8%	50.3	50.2	-0.1	-0.3%	
74.1%	50.3	50.2	-0.1	-0.3%	
75.3%	50.3	50.2	-0.1	-0.3%	
76.5%	50.3	50.1	-0.1	-0.3%	
77.8%	50.3	50.1	-0.1	-0.3%	
79.0%	50.3	50.1	-0.1	-0.3%	
80.2%	50.2	50.1	-0.2	-0.3%	
81.5%	50.2	50.0	-0.2	-0.4%	
82.7%	50.1	49.9	-0.2	-0.3%	
84.0%	50.1	49.9	-0.2	-0.4%	
85.2%	50.1	49.8	-0.3	-0.6%	
86.4%	50.0	49.7	-0.2	-0.5%	
87.7%	49.8	49.7	-0.1	-0.2%	
88.9%	49.8	49.7	-0.1	-0.1%	
90.1%	49.7	49.6	-0.1	-0.3%	
91.4%	49.7	49.6	-0.1	-0.2%	
92.6%	49.6	49.5	-0.1	-0.2%	
93.8%	49.6	49.5	-0.1	-0.2%	
95.1%	49.6	49.5	-0.1	-0.2%	
96.3%	49.6	49.4	-0.1	-0.3%	
97.5%	49.6	49.4	-0.1	-0.3%	
98.8%	49.0	48.9	0.0	-0.1%	
100.0%	48.6	48.5	-0.1	-0.2%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	60.5	57.2	-3.3	-5.5%	
1.2%	58.1	56.4	-1.8	-3.1%	
2.5%	58.0	55.7	-2.2	-3.9%	
3.7%	56.6	53.9	-2.7	-4.8%	
4.9%	56.0	53.7	-2.3	-4.1%	
6.2%	54.5	53.6	-0.9	-1.7%	
7.4%	54.4	53.6	-0.8	-1.5%	
8.6%	54.0	53.3	-0.7	-1.3%	
9.9%	54.0	53.3	-0.7	-1.3%	
11.1%	53.9	53.3	-0.6	-1.1%	
12.3%	53.8	53.2	-0.6	-1.0%	
13.6%	53.8	53.2	-0.6	-1.0%	
14.8%	53.7	53.2	-0.5	-0.9%	
16.0%	53.7	53.1	-0.6	-1.1%	
17.3%	53.7	53.0	-0.7	-1.3%	
18.5%	53.5	53.0	-0.5	-1.0%	
19.8%	53.4	52.9	-0.5	-0.9%	
21.0%	53.3	52.8	-0.5	-0.9%	
22.2%	53.2	52.7	-0.4	-0.8%	
23.5%	53.0	52.7	-0.3	-0.6%	
24.7%	52.9	52.7	-0.3	-0.5%	
25.9%	52.9	52.6	-0.3	-0.6%	
27.2%	52.9	52.5	-0.4	-0.7%	
28.4%	52.8	52.4	-0.4	-0.8%	
29.6%	52.8	52.3	-0.5	-0.9%	
30.9%	52.5	52.1	-0.4	-0.8%	
32.1%	52.4	51.9	-0.5	-0.9%	
33.3%	52.4	51.9	-0.5	-0.9%	
34.6%	52.3	51.9	-0.4	-0.8%	
35.8%	52.3	51.8	-0.5	-0.9%	
37.0%	52.3	51.9	-0.5	-0.9%	
38.3%	52.2	51.7	-0.5	-1.0%	
39.5%	52.2	51.6	-0.6	-1.1%	
40.7%	52.0	51.6	-0.4	-0.8%	
42.0%	52.0	51.6	-0.4	-0.8%	
43.2%	51.9	51.6	-0.4	-0.7%	
44.4%	51.9	51.5	-0.3	-0.6%	
45.7%	51.9	51.5	-0.4	-0.7%	
46.9%	51.8	51.4	-0.4	-0.7%	
48.1%	51.8	51.3	-0.4	-0.8%	
49.4%	51.5	51.3	-0.2	-0.4%	
50.6%	51.5	51.2	-0.3	-0.6%	
51.9%	51.5	51.1	-0.4	-0.7%	
53.1%	51.4	51.1	-0.3	-0.6%	
54.3%	51.3	51.1	-0.3	-0.5%	
55.6%	51.3	51.1	-0.2	-0.4%	
56.8%	51.3	51.1	-0.2	-0.4%	
58.0%	51.2	51.0	-0.2	-0.4%	
59.3%	51.2	51.0	-0.2	-0.4%	
60.5%	51.2	51.0	-0.2	-0.4%	
61.7%	51.1	51.0	-0.1	-0.2%	
63.0%	51.1	50.9	-0.2	-0.5%	
64.2%	51.1	50.8	-0.3	-0.6%	
65.4%	51.1	50.7	-0.4	-0.7%	
66.7%	51.1	50.7	-0.4	-0.7%	
67.9%	51.1	50.7	-0.4	-0.7%	
69.1%	50.9	50.7	-0.2	-0.5%	
70.4%	50.9	50.7	-0.3	-0.5%	
71.6%	50.9	50.6	-0.3	-0.6%	
72.8%	50.8	50.6	-0.2	-0.4%	
74.1%	50.8	50.6	-0.2	-0.4%	
75.3%	50.8	50.6	-0.2	-0.4%	
76.5%	50.8	50.6	-0.2	-0.4%	
77.8%	50.8	50.5	-0.2	-0.4%	
79.0%	50.7	50.5	-0.2	-0.5%	
80.2%	50.7	50.5	-0.2	-0.5%	
81.5%	50.7	50.4	-0.3	-0.5%	
82.7%	50.7	50.3	-0.4	-0.7%	
84.0%	50.6	50.3	-0.4	-0.7%	
85.2%	50.5	50.2	-0.3	-0.6%	
86.4%	50.5	50.1	-0.4	-0.7%	
87.7%	50.4	50.1	-0.3	-0.6%	
88.9%	50.3	50.1	-0.3	-0.5%	
90.1%	50.3	50.0	-0.3	-0.5%	
91.4%	50.3	50.0	-0.3	-0.7%	
92.6%	50.3	49.9	-0.3	-0.7%	
93.8%	50.1	49.9	-0.2	-0.5%	
95.1%	50.1	49.9	-0.2	-0.4%	
96.3%	50.0	49.9	-0.2	-0.4%	
97.5%	50.0	49.9	-0.2	-0.4%	
98.8%	49.5	49.4	-0.1	-0.1%	
100.0%	49.1	48.9	-0.3	-0.5%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.4	59.0	-4.3	-6.8%	
1.2%	60.1	58.0	-2.1	-3.5%	
2.5%	60.0	57.3	-2.6	-4.4%	
3.7%	57.7	54.0	-3.7	-6.4%	
4.9%	57.7	53.7	-4.0	-6.8%	
6.2%	55.0	53.6	-1.3	-2.4%	
7.4%	55.0	53.6	-1.3	-2.4%	
8.6%	54.7	53.6	-1.1	-2.0%	
9.9%	54.5	53.5	-1.0	-1.9%	
11.1%	54.4	53.5	-0.9	-1.7%	
12.3%	54.1	53.5	-0.6	-1.2%	
13.6%	54.1	53.5	-0.7	-1.2%	
14.8%	54.1	53.4	-0.6	-1.2%	
16.0%	54.1	53.4	-0.6	-1.2%	
17.3%	53.9	53.4	-0.5	-0.9%	
18.5%	53.9	53.3	-0.6	-1.1%	
19.8%	53.7	53.3	-0.4	-0.8%	
21.0%	53.6	53.3	-0.3	-0.5%	
22.2%	53.5	53.3	-0.3	-0.5%	
23.5%	53.4	53.3	-0.2	-0.3%	
24.7%	53.4	53.2	-0.2	-0.3%	
25.9%	53.4	53.0	-0.4	-0.7%	
27.2%	53.4	52.9	-0.5	-0.9%	
28.4%	53.4	52.9	-0.5	-0.9%	
29.6%	53.3	52.7	-0.6	-1.1%	
30.9%	53.2	52.7	-0.5	-1.0%	
32.1%	53.2	52.7	-0.5	-1.0%	
33.3%	53.2	52.5	-0.7	-1.3%	
34.6%	53.1	52.3	-0.8	-1.6%	
35.8%	52.9	52.2	-0.7	-1.4%	
37.0%	52.9	52.2	-0.7	-1.4%	
38.3%	52.8	52.1	-0.6	-1.2%	
39.5%	52.7	52.1	-0.6	-1.1%	
40.7%	52.6	52.1	-0.6	-1.1%	
42.0%	52.5	52.0	-0.5	-1.0%	
43.2%	52.5	51.9	-0.5	-1.0%	
44.4%	52.4	51.8	-0.7	-1.3%	
45.7%	52.4	51.8	-0.6	-1.1%	
46.9%	52.2	51.7	-0.5	-0.9%	
48.1%	52.1	51.7	-0.5	-0.9%	
49.4%	52.0	51.6	-0.4	-0.8%	
50.6%	52.0	51.6	-0.4	-0.8%	
51.9%	52.0	51.6	-0.4	-0.8%	
53.1%	51.9	51.5	-0.4	-0.8%	
54.3%	51.9	51.4	-0.5	-0.9%	
55.6%	51.8	51.4	-0.4	-0.9%	
56.8%	51.8	51.3	-0.5	-1.0%	
58.0%	51.8	51.3	-0.5	-1.0%	
59.3%	51.8	51.3	-0.5	-0.9%	
60.5%	51.7	51.1	-0.6	-1.1%	
61.7%	51.7	51.1	-0.6	-1.1%	
63.0%	51.6	51.1	-0.5	-1.0%	
64.2%	51.5	51.1	-0.5	-0.9%	
65.4%	51.5	51.1	-0.4	-0.8%	
66.7%	51.4	51.0	-0.4	-0.8%	
67.9%	51.3	51.0	-0.3	-0.7%	
69.1%	51.3	51.0	-0.3	-0.7%	
70.4%	51.3	50.9	-0.4	-0.7%	
71.6%	51.2	50.9	-0.4	-0.8%	
72.8%	51.2	50.8	-0.4	-0.8%	
74.1%	51.2	50.8	-0.4	-0.8%	
75.3%	51.1	50.8	-0.3	-0.6%	
76.5%	51.1	50.8	-0.3	-0.7%	
77.8%	51.1	50.7	-0.4	-0.7%	
79.0%	51.1	50.7	-0		

Table SQ3-1a  
Sacramento River at Bonnyview Bridge, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	55.0	54.6	50.7	47.4	46.3	47.3	48.6	49.8	50.6	52.0	53.3	53.7
DCR 2015 With Project	55.0	54.6	50.8	47.5	46.4	47.4	48.8	50.0	50.8	51.8	52.9	52.8
Difference	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.1	-0.5	-0.9
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.2%	0.2%	0.2%	0.3%	0.4%	0.4%	-0.3%	-0.9%	-1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (2%)</b>												
DCR 2015 Without Project	54.4	55.0	51.3	46.7	45.5	46.2	47.7	48.9	50.1	51.5	52.3	51.5
DCR 2015 With Project	54.6	55.1	51.4	46.8	45.5	46.2	47.8	49.0	50.1	51.5	52.2	51.3
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.2
Percent Difference	0.4%	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.2%	-0.5%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	54.3	54.3	50.6	47.8	46.3	47.2	48.8	49.9	50.3	51.1	52.5	52.3
DCR 2015 With Project	54.0	54.2	50.7	48.0	46.5	47.3	48.9	50.0	50.5	51.1	52.5	51.8
Difference	-0.2	-0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.2	-0.1	-0.4	-0.6
Percent Difference	-0.4%	-0.2%	0.3%	0.5%	0.3%	0.3%	0.2%	0.1%	0.4%	-0.1%	-0.8%	-1.1%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	54.2	53.5	50.2	47.2	46.1	47.4	48.9	49.9	49.9	51.3	52.7	53.7
DCR 2015 With Project	53.9	53.3	50.0	47.3	46.2	47.5	48.9	50.1	50.5	51.1	52.5	52.9
Difference	-0.3	-0.2	-0.1	0.1	0.0	0.1	0.1	0.2	0.5	-0.1	-0.3	-0.8
Percent Difference	-0.5%	-0.4%	-0.2%	0.1%	0.1%	0.2%	0.1%	0.4%	1.1%	-0.3%	-0.5%	-1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	55.1	54.3	50.3	47.7	47.0	48.3	49.1	49.9	50.6	52.1	53.9	54.5
DCR 2015 With Project	55.0	54.2	50.3	47.8	47.1	48.4	49.2	50.2	51.0	52.0	53.4	53.4
Difference	0.0	-0.1	0.0	0.0	0.1	0.1	0.1	0.3	0.4	-0.1	-0.5	-1.2
Percent Difference	-0.1%	-0.2%	-0.1%	0.0%	0.2%	0.3%	0.2%	0.5%	0.8%	-0.1%	-1.0%	-2.2%
<b>Critical (15%)</b>												
DCR 2015 Without Project	58.0	55.6	50.8	48.2	47.4	48.6	49.5	51.3	52.9	54.5	56.2	58.8
DCR 2015 With Project	57.9	55.7	51.3	48.4	47.6	48.8	49.9	51.9	52.9	54.0	54.8	56.5
Difference	-0.1	0.1	0.5	0.1	0.3	0.2	0.4	0.6	0.0	-0.5	-1.4	-2.3
Percent Difference	-0.2%	0.2%	1.0%	0.3%	0.6%	0.5%	0.8%	1.1%	0.1%	-1.0%	-2.5%	-3.9%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

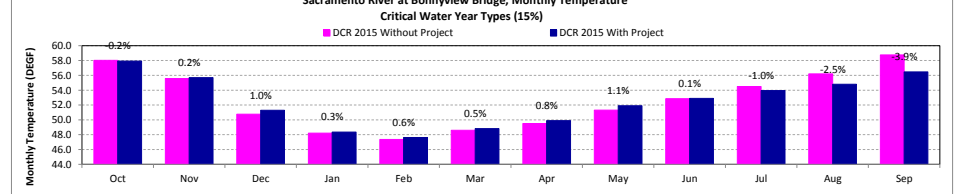
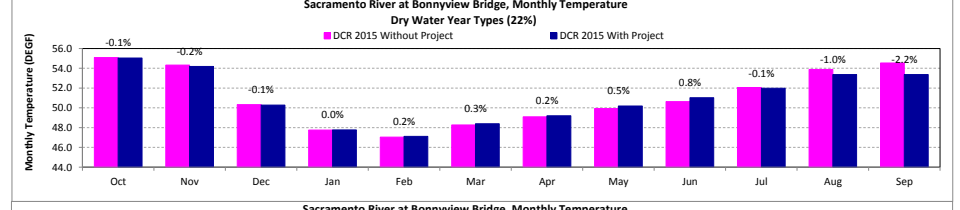
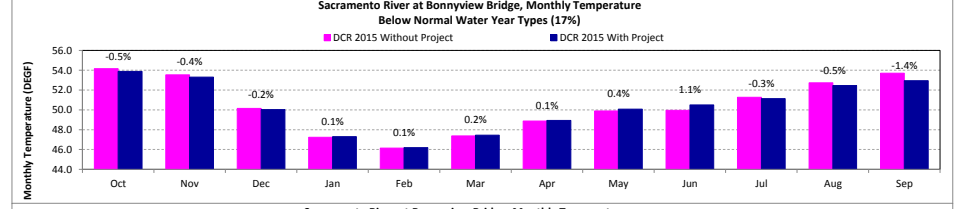
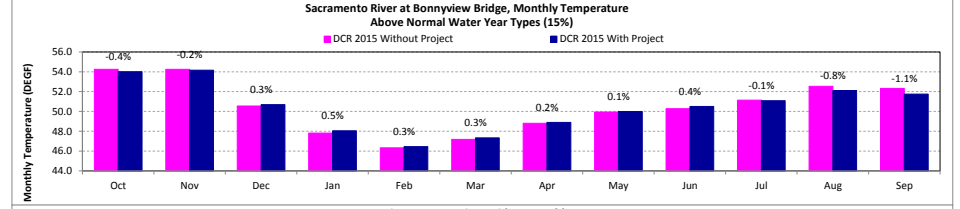
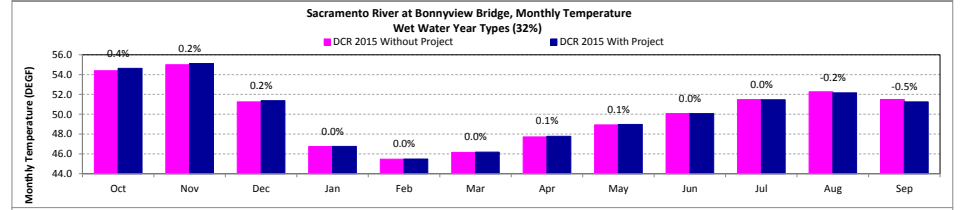
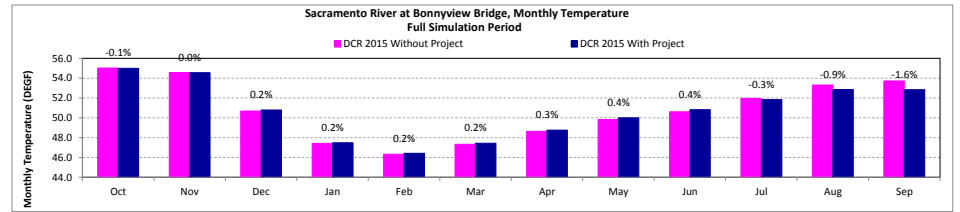


Figure SQ3-1b  
 Sacramento River at Bonnyview Bridge, Monthly Temperature  
 Probability of Exceedance

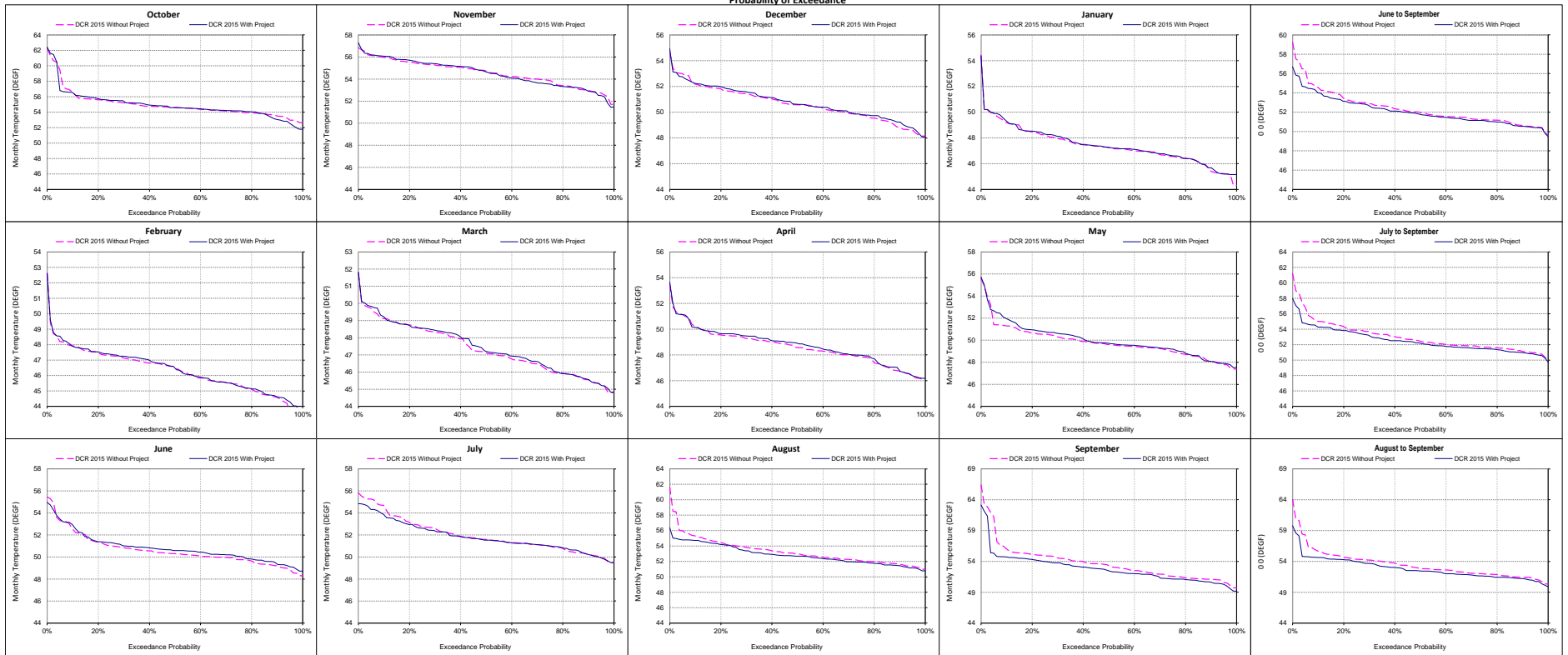


Table SQ3-1b  
Sacramento River at Bonnyview Bridge, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	62.3	62.3	0.2	0.2%	
1.2%	61.3	61.6	0.3	0.6%	
2.5%	60.7	61.5	0.8	1.3%	
3.7%	60.5	60.5	0.0	-0.1%	
4.9%	59.5	56.8	-2.7	-4.5%	
6.2%	57.3	56.7	-0.6	-1.1%	
7.4%	57.0	55.6	-1.4	-2.7%	
8.6%	56.9	56.6	-0.3	-0.6%	
9.9%	56.6	56.6	0.0	-0.1%	
11.1%	56.2	56.2	0.0	-0.1%	
12.3%	55.8	56.1	0.3	0.6%	
13.6%	55.8	56.1	0.3	0.5%	
14.8%	55.7	56.0	0.3	0.6%	
16.0%	55.7	56.0	0.2	0.4%	
17.3%	55.7	55.9	0.2	0.4%	
18.5%	55.7	55.9	0.2	0.4%	
19.8%	55.6	55.8	0.2	0.3%	
21.0%	55.6	55.7	0.1	0.2%	
22.2%	55.5	55.6	0.1	0.2%	
23.5%	55.5	55.6	0.1	0.1%	
24.7%	55.5	55.5	0.1	0.1%	
25.9%	55.3	55.5	0.2	0.4%	
27.2%	55.3	55.5	0.2	0.4%	
28.4%	55.3	55.1	-0.3	-0.5%	
29.6%	55.2	55.5	0.3	0.5%	
30.9%	55.2	55.2	0.0	0.0%	
32.1%	55.2	55.2	0.1	0.1%	
33.3%	55.1	55.2	0.1	0.2%	
34.6%	55.1	55.2	0.1	0.2%	
35.8%	54.9	55.2	0.3	0.5%	
37.0%	54.9	55.2	0.3	0.5%	
38.3%	54.8	55.1	0.3	0.5%	
39.5%	54.8	54.9	0.2	0.3%	
40.7%	54.8	54.9	0.2	0.3%	
42.0%	54.7	54.9	0.1	0.3%	
43.2%	54.7	54.8	0.1	0.2%	
44.4%	54.7	54.8	0.1	0.3%	
45.7%	54.7	54.8	0.1	0.2%	
46.9%	54.7	54.8	0.1	0.3%	
48.1%	54.6	54.6	-0.1	-0.1%	
49.4%	54.6	54.6	0.0	-0.1%	
50.6%	54.6	54.6	0.0	-0.1%	
51.9%	54.6	54.6	0.0	0.0%	
53.1%	54.6	54.6	0.0	0.0%	
54.3%	54.5	54.5	0.0	0.0%	
55.6%	54.5	54.5	0.0	0.0%	
56.8%	54.5	54.5	0.0	0.0%	
58.0%	54.5	54.5	0.0	0.0%	
59.3%	54.4	54.4	0.0	0.1%	
60.5%	54.4	54.4	0.0	0.1%	
61.7%	54.3	54.4	0.0	0.1%	
63.0%	54.3	54.3	0.0	0.0%	
64.2%	54.3	54.3	0.0	0.0%	
65.4%	54.3	54.3	0.0	0.0%	
66.7%	54.2	54.3	0.1	0.1%	
67.9%	54.2	54.2	0.0	0.1%	
69.1%	54.2	54.2	0.1	0.1%	
70.4%	54.1	54.2	0.1	0.1%	
71.6%	54.1	54.2	0.1	0.2%	
72.8%	54.1	54.2	0.1	0.2%	
74.1%	54.0	54.2	0.1	0.2%	
75.3%	54.0	54.2	0.2	0.3%	
76.5%	54.0	54.1	0.2	0.3%	
77.8%	54.0	54.1	0.1	0.2%	
79.0%	53.9	54.1	0.1	0.2%	
80.2%	53.9	54.1	0.1	0.2%	
81.5%	53.9	54.0	0.2	0.3%	
82.7%	53.9	53.8	0.0	0.0%	
84.0%	53.8	53.8	0.0	0.0%	
85.2%	53.8	53.8	-0.1	-0.1%	
86.4%	53.7	53.5	-0.1	-0.3%	
87.7%	53.7	53.3	-0.3	-0.6%	
88.9%	53.6	53.2	-0.5	-0.9%	
90.1%	53.5	53.0	-0.5	-0.9%	
91.4%	53.5	53.0	-0.5	-0.9%	
92.6%	53.5	52.8	-0.6	-1.1%	
93.8%	53.3	52.8	-0.4	-0.8%	
95.1%	53.0	52.5	-0.4	-0.8%	
96.3%	53.0	52.2	-0.7	-1.4%	
97.5%	52.9	52.0	-0.9	-1.7%	
98.8%	52.6	51.8	-0.8	-1.6%	
100.0%	52.6	51.8	0.0	-1.6%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	56.9	57.3	0.4	0.8%	
1.2%	56.7	56.7	0.0	0.0%	
2.5%	56.5	56.4	-0.2	-0.3%	
3.7%	56.2	56.3	0.1	0.2%	
4.9%	56.2	56.2	0.1	0.1%	
6.2%	56.1	56.2	0.1	0.1%	
7.4%	56.0	56.1	0.1	0.2%	
8.6%	56.0	56.1	0.1	0.2%	
9.9%	56.0	56.1	0.1	0.2%	
11.1%	55.9	56.1	0.1	0.2%	
12.3%	55.9	56.1	0.1	0.2%	
13.6%	55.8	56.0	0.2	0.3%	
14.8%	55.7	55.8	0.1	0.1%	
16.0%	55.6	55.8	0.1	0.3%	
17.3%	55.6	55.8	0.2	0.3%	
18.5%	55.6	55.8	0.2	0.3%	
19.8%	55.5	55.7	0.2	0.3%	
21.0%	55.5	55.7	0.2	0.3%	
22.2%	55.5	55.6	0.2	0.3%	
23.5%	55.4	55.5	0.1	0.2%	
24.7%	55.4	55.5	0.1	0.1%	
25.9%	55.4	55.4	0.1	0.1%	
27.2%	55.3	55.4	0.1	0.2%	
28.4%	55.3	55.4	0.1	0.2%	
29.6%	55.3	55.4	0.1	0.2%	
30.9%	55.2	55.4	0.1	0.3%	
32.1%	55.2	55.3	0.1	0.2%	
33.3%	55.2	55.3	0.1	0.2%	
34.6%	55.1	55.3	0.1	0.2%	
35.8%	55.1	55.2	0.1	0.2%	
37.0%	55.1	55.2	0.1	0.2%	
38.3%	55.1	55.2	0.1	0.2%	
39.5%	55.1	55.2	0.1	0.2%	
40.7%	55.1	55.1	0.1	0.2%	
42.0%	55.0	55.1	0.1	0.3%	
43.2%	54.9	55.1	0.2	0.3%	
44.4%	54.9	55.0	0.1	0.2%	
45.7%	54.8	54.9	0.1	0.1%	
46.9%	54.8	54.8	0.0	0.1%	
48.1%	54.8	54.8	0.0	0.0%	
49.4%	54.8	54.7	-0.1	-0.2%	
50.6%	54.6	54.6	0.0	0.0%	
51.9%	54.6	54.5	-0.1	-0.1%	
53.1%	54.5	54.5	0.0	-0.1%	
54.3%	54.5	54.5	-0.1	-0.1%	
55.6%	54.4	54.3	-0.1	-0.2%	
56.8%	54.3	54.3	0.0	0.0%	
58.0%	54.3	54.2	-0.1	-0.2%	
59.3%	54.1	54.1	-0.1	-0.3%	
60.5%	54.2	54.1	-0.1	-0.3%	
61.7%	54.2	54.1	-0.2	-0.3%	
63.0%	54.2	54.0	-0.1	-0.2%	
64.2%	54.1	53.9	-0.2	-0.3%	
65.4%	54.1	53.8	-0.3	-0.5%	
66.7%	54.1	53.8	-0.2	-0.4%	
67.9%	54.0	53.7	-0.3	-0.5%	
69.1%	54.0	53.7	-0.3	-0.6%	
70.4%	54.0	53.6	-0.4	-0.7%	
71.6%	53.9	53.6	-0.3	-0.6%	
72.8%	53.9	53.6	-0.3	-0.6%	
74.1%	53.9	53.6	-0.3	-0.6%	
75.3%	53.8	53.5	-0.3	-0.5%	
76.5%	53.7	53.4	-0.2	-0.4%	
77.8%	53.5	53.4	-0.2	-0.4%	
79.0%	53.4	53.3	-0.1	-0.2%	
80.2%	53.4	53.3	-0.1	-0.2%	
81.5%	53.4	53.3	-0.1	-0.1%	
82.7%	53.4	53.3	-0.1	-0.2%	
84.0%	53.3	53.3	0.0	0.0%	
85.2%	53.2	53.2	0.0	0.0%	
86.4%	53.1	53.2	0.2	0.4%	
87.7%	53.0	53.1	0.1	0.2%	
88.9%	53.0	53.0	0.0	0.1%	
90.1%	52.9	52.9	-0.1	-0.2%	
91.4%	52.9	52.9	0.0	0.0%	
92.6%	52.8	52.9	0.1	0.1%	
93.8%	52.8	52.5	-0.2	-0.5%	
95.1%	52.7	52.5	-0.2	-0.4%	
96.3%	52.5	52.4	-0.2	-0.3%	
97.5%	52.4	51.8	-0.6	-1.1%	
98.8%	51.7	51.5	-0.2	-0.5%	
100.0%	51.7	51.5	-0.2	-0.5%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	54.7	54.4	0.3	0.5%	
1.2%	53.4	53.1	-0.3	-0.6%	
2.5%	53.1	53.1	0.0	0.0%	
3.7%	53.0	52.8	-0.3	-0.5%	
4.9%	53.0	52.8	-0.2	-0.4%	
6.2%	52.9	52.6	-0.3	-0.5%	
7.4%	52.8	52.5	-0.4	-0.7%	
8.6%	52.3	52.3	0.1	0.1%	
9.9%	52.2	52.2	0.0	0.1%	
11.1%	52.1	52.2	0.1	0.1%	
12.3%	52.0	52.2	0.2	0.3%	
13.6%	52.0	52.1	0.1	0.2%	
14.8%	52.0	52.1	0.1	0.1%	
16.0%	51.9	52.0	0.1	0.3%	
17.3%	51.9	52.0	0.2	0.3%	
18.5%	51.9	52.0	0.2	0.3%	
19.8%	51.8	52.0	0.2	0.3%	
21.0%	51.7	51.9	0.2	0.5%	
22.2%	51.6	51.8	0.2	0.3%	
23.5%	51.6	51.8	0.2	0.3%	
24.7%	51.6	51.7	0.1	0.2%	
25.9%	51.5	51.6	0.1	0.3%	
27.2%	51.5	51.6	0.1	0.3%	
28.4%	51.5	51.6	0.1	0.2%	
29.6%	51.5	51.6	0.1	0.3%	
30.9%	51.4	51.5	0.1	0.2%	
32.1%	51.3	51.5	0.2	0.3%	
33.3%	51.2	51.5	0.2	0.5%	
34.6%	51.2	51.3	0.1	0.1%	
35.8%	51.2	51.2	0.0	0.1%	
37.0%	51.1	51.2	0.1	0.1%	
38.3%	51.1	51.2	0.1	0.2%	
39.5%	51.1	51.1	0.1	0.1%	
40.7%	51.0	51.1	0.1	0.3%	
42.0%	50.9	51.0	0.1	0.1%	
43.2%	50.7	50.9	0.2	0.4%	
44.4%	50.7	50.9	0.2	0.3%	
45.7%	50.7	50.9	0.2	0.4%	
46.9%	50.6	50.8	0.2	0.5%	
48.1%	50.6	50.7	0.1	0.1%	
49.4%	50.6	50.6	0.1	0.1%	
50.6%	50.6	50.6	0.0	0.1%	
51.9%	50.6	50.6	0.0	0.1%	
53.1%	50.6	50.6	0.0	0.0%	
54.3%	50.5	50.5	-0.1	-0.1%	
55.6%	50.5	50.5	0.0	0.0%	
56.8%	50.5	50.4	-0.1	-0.1%	
58.0%	50.4	50.4	0.0	0.0%	
59.3%	50.4	50.4	0.0	0.0%	
60.5%	50.2	50.4	0.2	0.3%	
61.7%	50.2	50.4	0.2	0.3%	
63.0%	50.1	50.2	0.1	0.2%	
64.2%	50.1	50.2	0.1	0.2%	
65.4%	50.1	50.1	0.1	0.1%	
66.7%	50.0	50.1	0.1	0.2%	
67.9%	50.0	50.1	0.1	0.2%	
69.1%	50.0	50.1	0.1	0.2%	
70.4%	49.9	50.0	0.0	0.1%	
71.6%	49.9	49.9	0.1	0.1%	
72.8%	49.9	49.9	0.0	0.0%	
74.1%	49.8	49.9	0.1	0.1%	
75.3%	49.8	49.8	0.0	0.0%	
76.5%	49.8	49.8	0.0	0.0%	
77.8%	49.6	49.8			



Table SQ3-1b  
Sacramento River at Bonnyview Bridge, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.6		0.0	0.0%	
1.2%	49.4	49.6	0.2	0.5%	
2.5%	48.7	48.8	0.1	0.2%	
3.7%	48.6	48.6	0.0	0.0%	
4.9%	48.2	48.6	0.4	0.7%	
6.2%	48.2	48.3	0.1	0.2%	
7.4%	48.1	48.2	0.1	0.3%	
8.6%	48.0	48.1	0.1	0.3%	
9.9%	47.9	47.9	0.0	-0.1%	
11.1%	47.9	47.8	0.0	-0.1%	
12.3%	47.8	47.8	0.0	-0.1%	
13.6%	47.7	47.7	0.1	0.1%	
14.8%	47.6	47.7	0.1	0.3%	
16.0%	47.6	47.7	0.1	0.3%	
17.3%	47.6	47.5	0.0	0.0%	
18.5%	47.5	47.5	0.0	0.0%	
19.8%	47.5	47.5	0.0	0.1%	
21.0%	47.4	47.5	0.1	0.2%	
22.2%	47.3	47.4	0.1	0.2%	
23.5%	47.3	47.4	0.1	0.2%	
24.7%	47.3	47.4	0.1	0.2%	
25.9%	47.3	47.3	0.1	0.2%	
27.2%	47.3	47.3	0.1	0.1%	
28.4%	47.3	47.3	0.0	0.0%	
29.6%	47.1	47.3	0.1	0.2%	
30.9%	47.1	47.2	0.1	0.3%	
32.1%	47.1	47.2	0.1	0.3%	
33.3%	47.0	47.2	0.2	0.3%	
34.6%	47.0	47.2	0.2	0.4%	
35.8%	46.9	47.1	0.2	0.4%	
37.0%	46.9	47.1	0.2	0.4%	
38.3%	46.8	47.1	0.3	0.5%	
39.5%	46.8	47.0	0.2	0.5%	
40.7%	46.8	46.9	0.1	0.2%	
42.0%	46.8	46.8	0.0	0.1%	
43.2%	46.8	46.8	0.0	0.0%	
44.4%	46.7	46.8	0.1	0.1%	
45.7%	46.7	46.8	0.1	0.3%	
46.9%	46.6	46.7	0.0	0.0%	
48.1%	46.6	46.6	0.0	0.0%	
49.4%	46.6	46.6	0.0	0.0%	
50.6%	46.5	46.4	-0.1	-0.2%	
51.9%	46.3	46.3	0.0	0.0%	
53.1%	46.2	46.1	-0.1	-0.2%	
54.3%	46.2	46.1	-0.1	-0.3%	
55.6%	46.0	46.1	0.0	0.0%	
56.8%	46.0	46.0	0.0	0.0%	
58.0%	45.9	45.9	0.0	0.0%	
59.3%	45.8	45.9	0.1	0.2%	
60.5%	45.8	45.9	0.0	0.1%	
61.7%	45.8	45.8	0.0	0.0%	
63.0%	45.7	45.8	0.1	0.3%	
64.2%	45.7	45.7	0.0	0.0%	
65.4%	45.6	45.7	0.0	0.0%	
66.7%	45.6	45.6	0.0	-0.1%	
67.9%	45.6	45.6	0.0	-0.1%	
69.1%	45.6	45.6	0.0	0.0%	
70.4%	45.5	45.5	0.0	0.0%	
71.6%	45.5	45.5	0.0	0.0%	
72.8%	45.5	45.5	0.0	0.0%	
74.1%	45.4	45.4	-0.1	-0.2%	
75.3%	45.4	45.3	-0.1	-0.3%	
76.5%	45.3	45.3	0.0	0.0%	
77.8%	45.2	45.2	0.0	0.1%	
79.0%	45.1	45.2	0.0	0.1%	
80.2%	45.1	45.1	0.0	0.1%	
81.5%	45.0	45.1	0.2	0.3%	
82.7%	44.9	45.1	0.1	0.2%	
84.0%	44.8	45.0	0.2	0.4%	
85.2%	44.8	44.8	0.1	0.1%	
86.4%	44.7	44.7	0.0	0.0%	
87.7%	44.7	44.7	0.0	0.0%	
88.9%	44.6	44.7	0.1	0.2%	
90.1%	44.6	44.6	0.0	0.1%	
91.4%	44.4	44.6	0.1	0.3%	
92.6%	44.3	44.6	0.2	0.6%	
93.8%	44.2	44.4	0.2	0.5%	
95.1%	43.6	44.3	0.6	1.5%	
96.3%	43.5	44.0	0.5	1.2%	
97.5%	43.4	44.0	0.6	1.5%	
98.8%	43.3	43.5	0.2	0.6%	
100.0%	43.3	43.5	0.2	0.6%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.8	51.8	0.0	0.1%	
1.2%	50.1	50.1	0.0	0.0%	
2.5%	49.9	50.0	0.1	0.3%	
3.7%	49.8	49.9	0.1	0.2%	
4.9%	49.7	49.8	0.1	0.2%	
6.2%	49.5	49.8	0.3	0.5%	
7.4%	49.4	49.7	0.3	0.7%	
8.6%	49.1	49.3	0.2	0.4%	
9.9%	49.1	49.2	0.1	0.2%	
11.1%	49.1	49.0	-0.1	-0.2%	
12.3%	49.0	49.0	0.0	-0.1%	
13.6%	48.9	48.9	0.0	0.0%	
14.8%	48.9	48.9	0.0	0.1%	
16.0%	48.8	48.8	0.0	0.0%	
17.3%	48.8	48.8	0.0	0.0%	
18.5%	48.8	48.8	0.0	0.0%	
19.8%	48.7	48.7	0.0	0.0%	
21.0%	48.7	48.6	-0.1	-0.3%	
22.2%	48.7	48.6	-0.1	-0.1%	
23.5%	48.6	48.6	0.0	0.0%	
24.7%	48.5	48.6	0.0	0.1%	
25.9%	48.5	48.5	0.1	0.1%	
27.2%	48.4	48.5	0.1	0.3%	
28.4%	48.4	48.5	0.1	0.2%	
29.6%	48.3	48.4	0.1	0.3%	
30.9%	48.3	48.4	0.1	0.2%	
32.1%	48.3	48.4	0.1	0.2%	
33.3%	48.2	48.4	0.1	0.2%	
34.6%	48.2	48.3	0.1	0.1%	
35.8%	48.1	48.3	0.2	0.5%	
37.0%	48.1	48.2	0.2	0.4%	
38.3%	48.0	48.2	0.2	0.4%	
39.5%	47.9	48.1	0.2	0.4%	
40.7%	47.9	48.0	0.0	0.0%	
42.0%	47.8	48.0	0.3	0.6%	
43.2%	47.5	47.9	0.4	0.9%	
44.4%	47.3	47.6	0.3	0.6%	
45.7%	47.2	47.5	0.3	0.6%	
46.9%	47.2	47.5	0.3	0.6%	
48.1%	47.2	47.4	0.2	0.5%	
49.4%	47.2	47.2	0.1	0.1%	
50.6%	47.1	47.2	0.1	0.2%	
51.9%	47.1	47.1	0.1	0.2%	
53.1%	47.1	47.1	0.1	0.1%	
54.3%	47.0	47.1	0.1	0.3%	
55.6%	47.0	47.1	0.1	0.3%	
56.8%	47.0	47.1	0.1	0.2%	
58.0%	46.9	47.0	0.1	0.3%	
59.3%	46.8	46.9	0.1	0.3%	
60.5%	46.7	46.9	0.2	0.4%	
61.7%	46.7	46.9	0.2	0.5%	
63.0%	46.7	46.9	0.2	0.4%	
64.2%	46.7	46.8	0.2	0.3%	
65.4%	46.6	46.8	0.2	0.4%	
66.7%	46.6	46.7	0.1	0.2%	
67.9%	46.5	46.6	0.1	0.3%	
69.1%	46.5	46.6	0.1	0.3%	
70.4%	46.5	46.6	0.1	0.3%	
71.6%	46.4	46.5	0.1	0.2%	
72.8%	46.2	46.4	0.1	0.3%	
74.1%	46.1	46.2	0.1	0.3%	
75.3%	46.0	46.2	0.2	0.5%	
76.5%	46.0	46.0	0.1	0.1%	
77.8%	45.9	46.0	0.1	0.1%	
79.0%	45.9	45.9	0.0	0.0%	
80.2%	45.9	45.9	0.0	-0.1%	
81.5%	45.9	45.9	0.0	0.0%	
82.7%	45.9	45.9	0.0	0.0%	
84.0%	45.9	45.8	0.0	-0.1%	
85.2%	45.8	45.8	0.0	-0.1%	
86.4%	45.7	45.7	0.1	0.1%	
87.7%	45.6	45.6	0.0	0.1%	
88.9%	45.6	45.6	0.0	0.1%	
90.1%	45.6	45.6	0.0	0.0%	
91.4%	45.4	45.4	0.0	0.0%	
92.6%	45.4	45.4	0.0	-0.1%	
93.8%	45.3	45.4	0.0	0.0%	
95.1%	45.2	45.2	0.0	0.0%	
96.3%	45.2	45.2	0.0	0.0%	
97.5%	44.8	45.1	0.2	0.5%	
98.8%	44.8	44.8	0.0	0.1%	
100.0%	44.8	44.8	0.0	0.1%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.5		0.2	0.3%	
1.2%	51.7	52.0	0.3	0.6%	
2.5%	51.4	51.2	-0.2	-0.3%	
3.7%	51.2	51.2	0.0	0.0%	
4.9%	51.1	51.1	0.0	0.0%	
6.2%	51.0	51.1	0.1	0.2%	
7.4%	50.9	50.8	-0.1	-0.2%	
8.6%	50.4	50.2	-0.2	-0.4%	
9.9%	50.2	50.1	-0.1	-0.1%	
11.1%	50.1	50.1	0.0	0.0%	
12.3%	50.0	50.0	0.0	0.0%	
13.6%	49.9	49.9	-0.1	-0.1%	
14.8%	49.9	49.9	0.0	0.0%	
16.0%	49.8	49.8	0.2	0.4%	
17.3%	49.6	49.8	0.2	0.5%	
18.5%	49.6	49.7	0.1	0.3%	
19.8%	49.6	49.6	0.1	0.2%	
21.0%	49.5	49.6	0.1	0.2%	
22.2%	49.5	49.6	0.1	0.3%	
23.5%	49.5	49.6	0.1	0.3%	
24.7%	49.5	49.6	0.2	0.3%	
25.9%	49.5	49.6	0.1	0.3%	
27.2%	49.4	49.6	0.1	0.3%	
28.4%	49.3	49.5	0.1	0.2%	
29.6%	49.3	49.5	0.2	0.4%	
30.9%	49.3	49.5	0.2	0.4%	
32.1%	49.2	49.5	0.2	0.4%	
33.3%	49.2	49.5	0.3	0.5%	
34.6%	49.1	49.3	0.2	0.4%	
35.8%	49.1	49.3	0.2	0.4%	
37.0%	49.1	49.3	0.1	0.3%	
38.3%	49.0	49.3	0.2	0.4%	
39.5%	49.0	49.1	0.1	0.2%	
40.7%	49.0	49.1	0.1	0.2%	
42.0%	48.9	49.1	0.1	0.3%	
43.2%	48.9	49.1	0.2	0.4%	
44.4%	48.9	49.1	0.2	0.4%	
45.7%	48.8	49.0	0.1	0.3%	
46.9%	48.8	49.0	0.2	0.4%	
48.1%	48.8	49.0	0.2	0.4%	
49.4%	48.6	48.9	0.4	0.7%	
50.6%	48.6	48.9	0.3	0.6%	
51.9%	48.6	48.8	0.3	0.6%	
53.1%	48.4	48.8	0.3	0.7%	
54.3%	48.4	48.7	0.3	0.6%	
55.6%	48.4	48.7	0.3	0.5%	
56.8%	48.3	48.6	0.3	0.5%	
58.0%	48.3	48.6	0.3	0.6%	
59.3%	48.3	48.5	0.2	0.4%	
60.5%	48.3	48.4	0.2	0.3%	
61.7%	48.3	48.4	0.1	0.2%	
63.0%	48.2	48.4	0.2	0.3%	
64.2%	48.2	48.3	0.1	0.2%	
65.4%	48.1	48.2	0.1	0.3%	
66.7%	48.0	48.2	0.2	0.3%	
67.9%	48.0	48.1	0.1	0.2%	
69.1%	48.0	48.1	0.1	0.2%	
70.4%	48.0	48.0	0.0	0.1%	
71.6%	48.0	48.0	0.0	0.1%	
72.8%	47.9	48.0	0.1	0.2%	
74.1%	47.9	48.0	0.1	0.2%	
75.3%	47.8	48.0	0.1	0.3%	
76.5%	47.8	47.9	0.1	0.3%	
77.8%	47.8	47.9	0.1	0.3%	
79.0%	47.6	47.7	0.1	0.3%	

Table SQ3-1b  
Sacramento River at Bonnyview Bridge, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	55.4	55.0	-0.5	-0.9%	
1.2%	55.3	54.7	-0.6	-1.0%	
2.5%	54.9	54.3	-0.7	-1.2%	
3.7%	53.6	53.8	0.2	0.4%	
4.9%	53.3	53.4	0.1	0.3%	
6.2%	53.2	53.2	0.0	0.0%	
7.4%	53.2	53.2	0.0	-0.1%	
8.6%	53.0	53.2	0.1	0.3%	
9.9%	52.5	52.9	0.4	0.8%	
11.1%	52.2	52.5	0.3	0.6%	
12.3%	52.2	52.3	0.1	0.1%	
13.6%	52.1	52.2	0.1	0.3%	
14.8%	52.0	51.8	-0.2	-0.4%	
16.0%	51.5	51.8	0.3	0.6%	
17.3%	51.5	51.6	0.1	0.1%	
18.5%	51.4	51.5	0.1	0.1%	
19.8%	51.4	51.4	0.0	0.1%	
21.0%	51.3	51.4	0.1	0.2%	
22.2%	51.2	51.4	0.2	0.4%	
23.5%	51.1	51.3	0.3	0.5%	
24.7%	51.0	51.3	0.3	0.5%	
25.9%	51.0	51.3	0.3	0.5%	
27.2%	51.0	51.2	0.2	0.3%	
28.4%	50.9	51.2	0.2	0.5%	
29.6%	50.9	51.0	0.2	0.3%	
30.9%	50.8	51.0	0.2	0.4%	
32.1%	50.8	51.0	0.2	0.4%	
33.3%	50.7	51.0	0.2	0.5%	
34.6%	50.7	50.9	0.2	0.5%	
35.8%	50.6	50.9	0.3	0.5%	
37.0%	50.6	50.9	0.3	0.6%	
38.3%	50.6	50.9	0.3	0.6%	
39.5%	50.6	50.9	0.3	0.6%	
40.7%	50.6	50.8	0.2	0.5%	
42.0%	50.4	50.8	0.4	0.7%	
43.2%	50.4	50.7	0.3	0.6%	
44.4%	50.4	50.7	0.3	0.6%	
45.7%	50.4	50.7	0.3	0.6%	
46.9%	50.3	50.7	0.3	0.6%	
48.1%	50.3	50.7	0.3	0.7%	
49.4%	50.3	50.6	0.3	0.6%	
50.6%	50.3	50.6	0.3	0.6%	
51.9%	50.3	50.6	0.3	0.6%	
53.1%	50.2	50.6	0.3	0.7%	
54.3%	50.2	50.6	0.3	0.7%	
55.6%	50.2	50.5	0.3	0.7%	
56.8%	50.2	50.5	0.4	0.7%	
58.0%	50.2	50.5	0.4	0.7%	
59.3%	50.1	50.4	0.3	0.7%	
60.5%	50.0	50.4	0.4	0.8%	
61.7%	50.0	50.4	0.3	0.7%	
63.0%	50.0	50.3	0.3	0.6%	
64.2%	50.0	50.3	0.2	0.5%	
65.4%	50.0	50.3	0.3	0.5%	
66.7%	50.0	50.3	0.3	0.5%	
67.9%	50.0	50.2	0.2	0.5%	
69.1%	50.0	50.2	0.2	0.5%	
70.4%	50.0	50.2	0.2	0.5%	
71.6%	49.9	50.2	0.2	0.5%	
72.8%	49.9	50.2	0.2	0.5%	
74.1%	49.8	50.1	0.3	0.6%	
75.3%	49.8	50.0	0.3	0.6%	
76.5%	49.8	50.0	0.3	0.6%	
77.8%	49.7	49.9	0.1	0.2%	
79.0%	49.7	49.8	0.1	0.3%	
80.2%	49.6	49.8	0.2	0.4%	
81.5%	49.4	49.7	0.3	0.7%	
82.7%	49.4	49.7	0.3	0.7%	
84.0%	49.4	49.7	0.4	0.7%	
85.2%	49.3	49.6	0.3	0.6%	
86.4%	49.3	49.6	0.3	0.6%	
87.7%	49.3	49.6	0.3	0.6%	
88.9%	49.2	49.5	0.3	0.6%	
90.1%	49.2	49.3	0.1	0.2%	
91.4%	49.1	49.3	0.2	0.5%	
92.6%	49.0	49.3	0.3	0.6%	
93.8%	49.0	49.2	0.2	0.5%	
95.1%	48.8	49.1	0.3	0.5%	
96.3%	48.6	49.1	0.5	1.1%	
97.5%	48.5	48.9	0.3	0.7%	
98.8%	48.3	48.7	0.4	0.9%	
100.0%	48.3	48.7	0.4	0.9%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	55.8	54.8	-1.0	-1.8%	
1.2%	55.5	54.8	-0.7	-1.3%	
2.5%	55.4	54.7	-0.6	-1.1%	
3.7%	55.3	54.6	-0.6	-1.2%	
4.9%	55.3	54.3	-0.9	-1.7%	
6.2%	55.2	54.3	-0.9	-1.6%	
7.4%	54.9	54.2	-0.6	-1.1%	
8.6%	54.7	54.0	-0.7	-1.3%	
9.9%	54.7	53.9	-0.8	-1.5%	
11.1%	54.2	53.6	-0.6	-1.1%	
12.3%	53.8	53.5	-0.2	-0.4%	
13.6%	53.7	53.5	-0.2	-0.4%	
14.8%	53.7	53.3	-0.4	-0.8%	
16.0%	53.7	53.3	-0.4	-0.7%	
17.3%	53.6	53.1	-0.4	-0.8%	
18.5%	53.3	53.0	-0.2	-0.4%	
19.8%	53.2	53.0	-0.2	-0.4%	
21.0%	53.0	53.0	0.0	-0.1%	
22.2%	53.0	52.8	-0.2	-0.3%	
23.5%	52.9	52.6	-0.3	-0.5%	
24.7%	52.7	52.6	-0.1	-0.2%	
25.9%	52.7	52.6	-0.1	-0.2%	
27.2%	52.7	52.4	-0.3	-0.5%	
28.4%	52.7	52.4	-0.2	-0.5%	
29.6%	52.7	52.4	-0.2	-0.5%	
30.9%	52.5	52.3	-0.2	-0.3%	
32.1%	52.3	52.3	0.0	-0.1%	
33.3%	52.3	52.3	0.0	0.0%	
34.6%	52.2	52.2	0.0	0.0%	
35.8%	52.1	51.9	-0.2	-0.4%	
37.0%	52.1	51.9	-0.2	-0.3%	
38.3%	52.1	51.9	0.0	0.0%	
39.5%	51.9	51.9	0.1	0.1%	
40.7%	51.8	51.8	0.0	-0.1%	
42.0%	51.8	51.8	0.0	-0.1%	
43.2%	51.8	51.7	0.0	-0.1%	
44.4%	51.8	51.7	-0.1	-0.2%	
45.7%	51.7	51.7	0.0	-0.1%	
46.9%	51.6	51.6	0.0	0.0%	
48.1%	51.6	51.6	0.0	0.0%	
49.4%	51.6	51.5	-0.1	-0.1%	
50.6%	51.6	51.5	0.0	-0.1%	
51.9%	51.5	51.5	0.0	0.0%	
53.1%	51.5	51.5	0.0	-0.1%	
54.3%	51.5	51.5	0.0	0.0%	
55.6%	51.5	51.4	-0.1	-0.1%	
56.8%	51.4	51.4	0.0	0.0%	
58.0%	51.3	51.3	0.0	0.0%	
59.3%	51.3	51.3	0.0	0.0%	
60.5%	51.3	51.3	-0.1	-0.1%	
61.7%	51.3	51.2	-0.1	-0.1%	
63.0%	51.3	51.2	0.0	-0.1%	
64.2%	51.3	51.2	0.0	-0.1%	
65.4%	51.2	51.2	0.0	0.0%	
66.7%	51.2	51.2	0.0	0.1%	
67.9%	51.1	51.2	0.0	0.1%	
69.1%	51.1	51.1	0.0	0.0%	
70.4%	51.1	51.1	0.0	0.0%	
71.6%	51.1	51.1	0.0	0.1%	
72.8%	51.0	51.1	0.0	0.0%	
74.1%	51.0	51.0	0.0	0.0%	
75.3%	51.0	51.0	0.0	0.1%	
76.5%	50.9	51.0	0.1	0.2%	
77.8%	50.9	51.0	0.1	0.2%	
79.0%	50.9	50.9	0.0	0.1%	
80.2%	50.8	50.8	0.0	0.1%	
81.5%	50.5	50.8	0.2	0.5%	
82.7%	50.5	50.7	0.2	0.3%	
84.0%	50.5	50.6	0.2	0.3%	
85.2%	50.4	50.6	0.2	0.5%	
86.4%	50.4	50.5	0.2	0.3%	
87.7%	50.4	50.4	0.0	0.0%	
88.9%	50.3	50.3	0.0	0.0%	
90.1%	50.2	50.2	0.0	0.0%	
91.4%	50.2	50.2	0.0	0.0%	
92.6%	50.1	50.1	-0.1	-0.1%	
93.8%	50.1	50.0	-0.1	-0.1%	
95.1%	49.9	49.9	0.0	0.0%	
96.3%	49.9	49.8	-0.1	-0.2%	
97.5%	49.6	49.7	0.1	0.2%	
98.8%	49.5	49.5	0.0	0.0%	
100.0%	49.5	49.5	0.0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	61.7	56.4	-5.3	-8.6%	
1.2%	58.5	55.0	-3.5	-5.9%	
2.5%	58.4	54.9	-3.5	-6.0%	
3.7%	56.0	54.9	-1.2	-2.1%	
4.9%	56.0	54.8	-1.2	-2.1%	
6.2%	55.7	54.8	-0.9	-1.6%	
7.4%	55.6	54.8	-0.8	-1.4%	
8.6%	55.4	54.8	-0.6	-1.1%	
9.9%	55.3	54.7	-0.6	-1.1%	
11.1%	55.1	54.7	-0.4	-0.8%	
12.3%	55.1	54.6	-0.5	-1.0%	
13.6%	54.9	54.6	-0.4	-0.7%	
14.8%	54.9	54.5	-0.4	-0.7%	
16.0%	54.7	54.4	-0.3	-0.6%	
17.3%	54.6	54.3	-0.3	-0.5%	
18.5%	54.6	54.3	-0.2	-0.5%	
19.8%	54.4	54.2	-0.2	-0.4%	
21.0%	54.4	54.2	-0.2	-0.4%	
22.2%	54.2	54.1	-0.1	-0.1%	
23.5%	54.1	54.1	-0.1	-0.1%	
24.7%	54.1	53.9	-0.2	-0.4%	
25.9%	54.0	53.8	-0.2	-0.3%	
27.2%	54.0	53.6	-0.4	-0.8%	
28.4%	53.9	53.5	-0.5	-0.8%	
29.6%	53.8	53.4	-0.5	-0.9%	
30.9%	53.8	53.4	-0.4	-0.7%	
32.1%	53.7	53.2	-0.6	-1.1%	
33.3%	53.6	53.1	-0.5	-0.9%	
34.6%	53.6	53.1	-0.5	-0.9%	
35.8%	53.6	53.1	-0.5	-0.9%	
37.0%	53.5	53.0	-0.6	-1.1%	
38.3%	53.5	52.9	-0.6	-1.1%	
39.5%	53.4	52.9	-0.5	-0.9%	
40.7%	53.3	52.9	-0.4	-0.7%	
42.0%	53.3	52.8	-0.5	-0.9%	
43.2%	53.3	52.8	-0.5	-0.9%	
44.4%	53.1	52.8	-0.4	-0.7%	
45.7%	53.1	52.7	-0.4	-0.7%	
46.9%	53.1	52.7	-0.4	-0.7%	
48.1%	53.1	52.7	-0.4	-0.7%	
49.4%	53.0	52.7	-0.3	-0.5%	
50.6%	53.0	52.7	-0.3	-0.5%	
51.9%	52.9	52.7	-0.2	-0.3%	
53.1%	52.8	52.6	-0.1	-0.2%	
54.3%	52.7	52.6	-0.1	-0.2%	
55.6%	52.7	52.5	-0.2	-0.4%	
56.8%	52.7	52.5	-0.2	-0.5%	
58.0%	52.6	52.4	-0.2	-0.3%	
59.3%	52.6	52.4	-0.2	-0.4%	
60.5%	52.5	52.3	-0.2	-0.3%	
61.7%	52.5	52.3	-0.2	-0.4%	
63.0%	52.5	52.3	-0.2	-0.3%	
64.2%	52.4	52.3	-0.2	-0.3%	
65.4%	52.4	52.2	-0.2	-0.4%	
66.7%	52.4	52.2	-0.1	-0.3%	
67.9%	52.3	52.1	-0.2	-0.4%	
69.1%	52.3	52.0	-0.3	-0.6%	
70.4%	52.3	51.9	-0.3	-0.6%	
71.6%	52.2	51.9	-0.3	-0.6%	
72.8%	52.2	51.9	-0.3	-0.5%	
74.1%	52.1	51.9	-0.2	-0.3%	
75.3%	52.0	51.9	-0.1	-0.2%	
76.5%	52.0	51.9	-0.1	-0.3%	
77.8%	52.0	51.8	-0.2	-0.4%	
79.0%	52.0	51.8	-0.2		

Table SQ3-1b  
Sacramento River at Bonnyview Bridge, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	59.2	56.7	-2.5	-4.3%	
1.2%	57.5	55.9	-1.7	-2.9%	
2.5%	57.3	55.7	-1.5	-2.7%	
3.7%	56.5	54.7	-1.8	-3.2%	
4.9%	56.5	54.6	-1.8	-3.2%	
6.2%	55.0	54.5	-0.5	-0.9%	
7.4%	55.0	54.4	-0.5	-1.0%	
8.6%	54.7	54.4	-0.4	-0.7%	
9.9%	54.6	54.0	-0.6	-1.0%	
11.1%	54.3	53.9	-0.3	-0.6%	
12.3%	54.3	53.7	-0.6	-1.1%	
13.6%	54.1	53.6	-0.5	-0.9%	
14.8%	54.1	53.5	-0.6	-1.1%	
16.0%	54.0	53.4	-0.6	-1.2%	
17.3%	53.9	53.4	-0.5	-0.9%	
18.5%	53.8	53.3	-0.5	-0.9%	
19.8%	53.5	53.1	-0.4	-0.7%	
21.0%	53.3	53.1	-0.2	-0.3%	
22.2%	53.2	53.0	-0.3	-0.5%	
23.5%	53.1	52.9	-0.1	-0.3%	
24.7%	53.1	52.9	-0.1	-0.3%	
25.9%	53.0	52.9	-0.1	-0.2%	
27.2%	53.0	52.8	-0.1	-0.3%	
28.4%	53.0	52.8	-0.2	-0.3%	
29.6%	52.9	52.7	-0.1	-0.3%	
30.9%	52.9	52.5	-0.4	-0.7%	
32.1%	52.7	52.4	-0.3	-0.6%	
33.3%	52.7	52.4	-0.3	-0.5%	
34.6%	52.7	52.4	-0.3	-0.5%	
35.8%	52.6	52.3	-0.3	-0.6%	
37.0%	52.6	52.2	-0.4	-0.7%	
38.3%	52.6	52.1	-0.5	-0.9%	
39.5%	52.4	52.1	-0.3	-0.5%	
40.7%	52.3	52.1	-0.2	-0.4%	
42.0%	52.3	52.1	-0.2	-0.4%	
43.2%	52.2	52.0	-0.2	-0.4%	
44.4%	52.1	52.0	-0.1	-0.3%	
45.7%	52.1	52.0	-0.1	-0.2%	
46.9%	52.0	51.9	-0.1	-0.2%	
48.1%	52.0	51.9	-0.1	-0.2%	
49.4%	52.0	51.8	-0.2	-0.4%	
50.6%	51.9	51.7	-0.2	-0.4%	
51.9%	51.9	51.7	-0.2	-0.3%	
53.1%	51.8	51.6	-0.1	-0.3%	
54.3%	51.7	51.6	-0.1	-0.2%	
55.6%	51.7	51.6	-0.1	-0.2%	
56.8%	51.6	51.5	-0.1	-0.1%	
58.0%	51.6	51.5	-0.1	-0.2%	
59.3%	51.6	51.5	-0.1	-0.2%	
60.5%	51.5	51.4	-0.1	-0.2%	
61.7%	51.5	51.4	-0.1	-0.3%	
63.0%	51.5	51.4	-0.2	-0.3%	
64.2%	51.5	51.4	-0.1	-0.3%	
65.4%	51.5	51.3	-0.1	-0.3%	
66.7%	51.5	51.3	-0.2	-0.4%	
67.9%	51.5	51.2	-0.3	-0.5%	
69.1%	51.4	51.2	-0.2	-0.4%	
70.4%	51.3	51.2	-0.1	-0.3%	
71.6%	51.3	51.1	-0.1	-0.2%	
72.8%	51.2	51.1	-0.1	-0.2%	
74.1%	51.2	51.1	-0.1	-0.2%	
75.3%	51.2	51.1	-0.1	-0.2%	
76.5%	51.2	51.0	-0.1	-0.3%	
77.8%	51.2	51.0	-0.1	-0.3%	
79.0%	51.2	51.0	-0.2	-0.3%	
80.2%	51.2	51.0	-0.2	-0.3%	
81.5%	51.2	51.0	-0.2	-0.4%	
82.7%	51.1	50.9	-0.2	-0.4%	
84.0%	51.0	50.8	-0.2	-0.4%	
85.2%	50.9	50.8	-0.1	-0.2%	
86.4%	50.9	50.6	-0.2	-0.5%	
87.7%	50.7	50.6	-0.1	-0.2%	
88.9%	50.7	50.5	-0.1	-0.2%	
90.1%	50.6	50.5	-0.1	-0.2%	
91.4%	50.5	50.5	0.0	0.0%	
92.6%	50.5	50.5	0.0	0.0%	
93.8%	50.5	50.4	-0.1	-0.1%	
95.1%	50.4	50.4	0.0	0.0%	
96.3%	50.4	50.4	0.0	0.0%	
97.5%	50.4	50.4	0.0	0.0%	
98.8%	49.9	49.8	-0.1	-0.2%	
100.0%	49.5	49.5	0.0	0.0%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	61.2	58.0	-3.2	-5.3%	
1.2%	59.0	57.1	-1.9	-3.2%	
2.5%	58.7	56.6	-2.1	-3.6%	
3.7%	57.5	54.8	-2.7	-4.6%	
4.9%	56.8	54.7	-2.1	-3.7%	
6.2%	55.8	54.6	-1.2	-2.1%	
7.4%	55.5	54.6	-1.0	-1.8%	
8.6%	55.2	54.5	-0.6	-1.2%	
9.9%	55.0	54.3	-0.7	-1.3%	
11.1%	55.0	54.3	-0.7	-1.3%	
12.3%	54.9	54.2	-0.7	-1.3%	
13.6%	54.8	54.2	-0.6	-1.0%	
14.8%	54.7	54.2	-0.5	-1.0%	
16.0%	54.7	53.9	-0.7	-1.4%	
17.3%	54.5	53.9	-0.6	-1.1%	
18.5%	54.5	53.9	-0.6	-1.1%	
19.8%	54.4	53.8	-0.5	-1.0%	
21.0%	54.2	53.8	-0.4	-0.7%	
22.2%	53.9	53.7	-0.2	-0.4%	
23.5%	53.9	53.6	-0.2	-0.4%	
24.7%	53.9	53.6	-0.2	-0.5%	
25.9%	53.9	53.5	-0.4	-0.7%	
27.2%	53.8	53.4	-0.4	-0.9%	
28.4%	53.7	53.3	-0.4	-0.8%	
29.6%	53.7	53.2	-0.5	-0.9%	
30.9%	53.5	53.0	-0.5	-0.9%	
32.1%	53.4	52.9	-0.5	-1.0%	
33.3%	53.4	52.9	-0.5	-1.0%	
34.6%	53.3	52.8	-0.6	-1.1%	
35.8%	53.3	52.7	-0.7	-1.2%	
37.0%	53.3	52.7	-0.7	-1.2%	
38.3%	53.1	52.5	-0.6	-1.1%	
39.5%	53.1	52.5	-0.6	-1.1%	
40.7%	53.0	52.5	-0.5	-0.9%	
42.0%	52.9	52.5	-0.4	-0.8%	
43.2%	52.8	52.4	-0.3	-0.7%	
44.4%	52.7	52.4	-0.3	-0.6%	
45.7%	52.7	52.4	-0.3	-0.5%	
46.9%	52.7	52.4	-0.3	-0.6%	
48.1%	52.6	52.2	-0.4	-0.7%	
49.4%	52.5	52.2	-0.3	-0.5%	
50.6%	52.4	52.1	-0.3	-0.5%	
51.9%	52.3	52.1	-0.2	-0.5%	
53.1%	52.3	52.0	-0.3	-0.5%	
54.3%	52.3	51.9	-0.4	-0.7%	
55.6%	52.1	51.9	-0.2	-0.5%	
56.8%	52.1	51.9	-0.3	-0.5%	
58.0%	52.1	51.9	-0.3	-0.5%	
59.3%	52.1	51.8	-0.2	-0.4%	
60.5%	52.0	51.7	-0.2	-0.4%	
61.7%	51.9	51.7	-0.2	-0.4%	
63.0%	51.9	51.7	-0.2	-0.5%	
64.2%	51.9	51.7	-0.2	-0.4%	
65.4%	51.9	51.6	-0.2	-0.5%	
66.7%	51.9	51.6	-0.3	-0.5%	
67.9%	51.9	51.6	-0.3	-0.5%	
69.1%	51.8	51.6	-0.3	-0.5%	
70.4%	51.8	51.5	-0.3	-0.6%	
71.6%	51.8	51.5	-0.3	-0.7%	
72.8%	51.7	51.5	-0.2	-0.4%	
74.1%	51.7	51.5	-0.2	-0.4%	
75.3%	51.7	51.5	-0.2	-0.4%	
76.5%	51.7	51.5	-0.2	-0.4%	
77.8%	51.6	51.4	-0.2	-0.3%	
79.0%	51.6	51.4	-0.2	-0.3%	
80.2%	51.6	51.3	-0.3	-0.5%	
81.5%	51.5	51.3	-0.3	-0.5%	
82.7%	51.5	51.2	-0.3	-0.6%	
84.0%	51.5	51.1	-0.3	-0.6%	
85.2%	51.4	51.1	-0.3	-0.7%	
86.4%	51.4	51.0	-0.3	-0.6%	
87.7%	51.2	51.0	-0.2	-0.4%	
88.9%	51.2	51.0	-0.2	-0.5%	
90.1%	51.1	51.0	-0.1	-0.3%	
91.4%	51.1	50.9	-0.2	-0.3%	
92.6%	51.0	50.8	-0.2	-0.4%	
93.8%	51.0	50.8	-0.1	-0.3%	
95.1%	50.9	50.7	-0.2	-0.5%	
96.3%	50.8	50.6	-0.2	-0.3%	
97.5%	50.8	50.6	-0.2	-0.4%	
98.8%	50.4	50.3	-0.1	-0.2%	
100.0%	50.0	49.7	-0.3	-0.5%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	64.0	59.8	-4.2	-6.6%	
1.2%	60.9	58.6	-2.3	-3.7%	
2.5%	60.6	58.1	-2.5	-4.1%	
3.7%	58.4	54.8	-3.6	-6.2%	
4.9%	58.3	54.8	-3.5	-6.1%	
6.2%	56.3	54.8	-1.6	-2.8%	
7.4%	56.3	54.7	-1.6	-2.8%	
8.6%	55.9	54.7	-1.3	-2.2%	
9.9%	55.7	54.6	-1.1	-1.9%	
11.1%	55.6	54.6	-1.0	-1.8%	
12.3%	55.3	54.6	-0.7	-1.2%	
13.6%	55.2	54.4	-0.7	-1.3%	
14.8%	55.1	54.4	-0.7	-1.3%	
16.0%	55.0	54.4	-0.7	-1.2%	
17.3%	55.0	54.4	-0.6	-1.1%	
18.5%	54.9	54.4	-0.5	-1.0%	
19.8%	54.7	54.3	-0.4	-0.7%	
21.0%	54.6	54.3	-0.4	-0.7%	
22.2%	54.6	54.2	-0.3	-0.6%	
23.5%	54.5	54.1	-0.4	-0.7%	
24.7%	54.4	54.0	-0.4	-0.7%	
25.9%	54.3	53.9	-0.4	-0.7%	
27.2%	54.3	53.8	-0.5	-1.0%	
28.4%	54.3	53.7	-0.6	-1.1%	
29.6%	54.2	53.7	-0.6	-1.0%	
30.9%	54.2	53.7	-0.5	-1.0%	
32.1%	54.1	53.5	-0.5	-1.0%	
33.3%	54.1	53.4	-0.7	-1.3%	
34.6%	54.0	53.2	-0.8	-1.5%	
35.8%	53.9	53.2	-0.8	-1.4%	
37.0%	53.8	53.1	-0.7	-1.4%	
38.3%	53.8	53.1	-0.7	-1.4%	
39.5%	53.8	53.0	-0.7	-1.4%	
40.7%	53.6	53.0	-0.6	-1.2%	
42.0%	53.4	53.0	-0.5	-0.9%	
43.2%	53.4	52.8	-0.6	-1.1%	
44.4%	53.4	52.5	-0.8	-1.6%	
45.7%	53.2	52.5	-0.7	-1.3%	
46.9%	53.1	52.5	-0.6	-1.1%	
48.1%	53.0	52.5	-0.5	-0.9%	
49.4%	52.9	52.5	-0.4	-0.8%	
50.6%	52.8	52.4	-0.4	-0.7%	
51.9%	52.8	52.4	-0.4	-0.7%	
53.1%	52.8	52.4	-0.4	-0.7%	
54.3%	52.7	52.4	-0.4	-0.7%	
55.6%	52.7	52.3	-0.4	-0.7%	
56.8%	52.7	52.3	-0.4	-0.7%	
58.0%	52.7	52.3	-0.4	-0.7%	
59.3%	52.6	52.1	-0.6	-1.1%	
60.5%	52.6	52.0	-0.6	-1.1%	
61.7%	52.6	52.0	-0.6	-1.1%	
63.0%	52.6	52.0	-0.6	-1.1%	
64.2%	52.3	51.9	-0.4	-0.8%	
65.4%	52.3	51.9	-0.4	-0.7%	
66.7%	52.3	51.9	-0.4	-0.8%	
67.9%	52.2	51.9	-0.3	-0.6%	
69.1%	52.1	51.8	-0.3	-0.6%	
70.4%	52.1	51.8	-0.3	-0.6%	
71.6%	52.1	51.7	-0.3	-0.7%	
72.8%	52.0	51.7	-0.4	-0.7%	
74.1%	52.0	51.6	-0.4	-0.7%	
75.3%	52.0	51.6	-0.4	-0.7%	
76.5%	51.9	51.6	-0.4	-0.7%	
77.					

Table SQ4-1a  
Sacramento River at Balls Ferry, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	55.5	54.0	49.6	46.9	46.6	48.4	50.5	52.1	52.7	53.6	54.9	55.1
DCR 2015 With Project	55.5	54.1	49.7	46.9	46.7	48.5	50.6	52.3	53.0	53.5	54.5	54.2
Difference	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.3	-0.1	-0.4	-0.9
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.1%	0.1%	0.2%	0.2%	0.4%	0.6%	-0.2%	-0.8%	-1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (22%)</b>												
DCR 2015 Without Project	54.8	54.5	50.2	46.4	45.8	47.0	49.5	51.4	52.4	53.3	53.9	52.5
DCR 2015 With Project	55.1	54.7	50.3	46.4	45.8	47.1	49.6	51.4	52.4	53.3	53.8	52.3
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	-0.2
Percent Difference	0.4%	0.3%	0.2%	0.1%	0.0%	0.1%	0.2%	0.0%	-0.1%	-0.1%	-0.1%	-0.4%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	54.8	53.8	49.4	47.1	46.5	48.2	50.8	52.4	52.4	52.7	54.1	53.7
DCR 2015 With Project	54.5	53.8	49.7	47.2	46.6	48.3	50.8	52.3	52.8	52.7	53.8	53.2
Difference	-0.3	-0.1	0.3	0.1	0.1	0.1	0.0	-0.1	0.4	0.0	-0.4	-0.5
Percent Difference	-0.5%	-0.2%	0.7%	0.3%	0.1%	0.2%	0.0%	-0.1%	0.7%	0.0%	-0.6%	-1.0%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	54.8	53.0	49.3	46.6	46.4	48.5	50.9	52.3	52.0	52.9	54.3	55.4
DCR 2015 With Project	54.5	52.9	49.2	46.6	46.5	48.6	51.0	52.5	52.7	52.8	54.1	54.6
Difference	-0.3	-0.1	-0.1	0.1	0.0	0.1	0.0	0.2	0.8	-0.1	-0.2	-0.8
Percent Difference	-0.6%	-0.2%	-0.1%	0.2%	0.1%	0.1%	0.1%	0.4%	1.5%	-0.2%	-0.4%	-1.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	55.6	53.7	49.3	47.1	47.3	49.4	51.0	52.0	52.4	53.6	55.5	56.3
DCR 2015 With Project	55.6	53.6	49.4	47.2	47.4	49.5	51.1	52.3	53.0	53.5	54.9	55.0
Difference	0.0	-0.1	0.0	0.1	0.1	0.1	0.1	0.3	0.6	0.0	-0.5	-1.3
Percent Difference	0.0%	-0.1%	0.0%	0.1%	0.1%	0.2%	0.2%	0.6%	1.1%	-0.1%	-0.9%	-2.3%
<b>Critical (15%)</b>												
DCR 2015 Without Project	58.4	55.0	49.5	47.8	47.8	49.9	51.1	53.3	54.6	56.1	57.7	60.2
DCR 2015 With Project	58.4	55.1	49.8	47.9	48.0	50.0	51.5	54.1	54.7	55.6	56.3	58.0
Difference	-0.1	0.1	0.3	0.1	0.2	0.1	0.4	0.8	0.1	-0.5	-1.4	-2.2
Percent Difference	-0.1%	0.1%	0.7%	0.2%	0.4%	0.3%	0.9%	1.5%	0.2%	-0.9%	-2.4%	-3.6%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

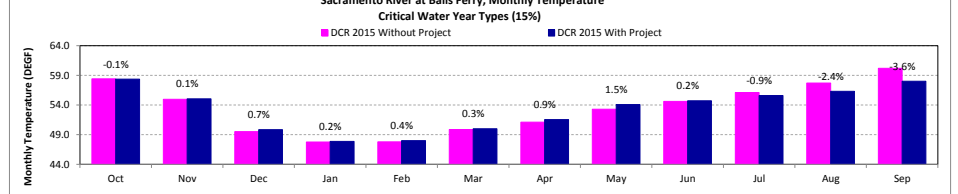
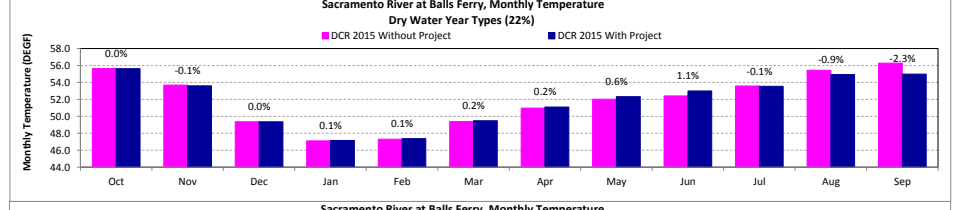
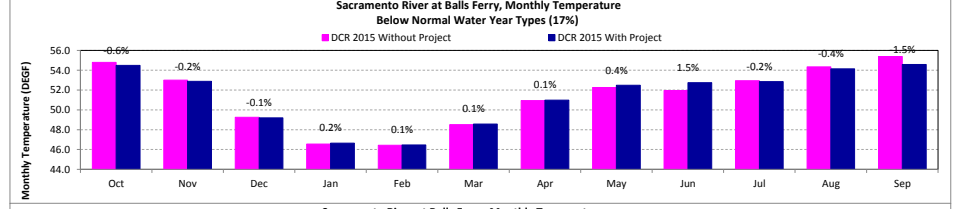
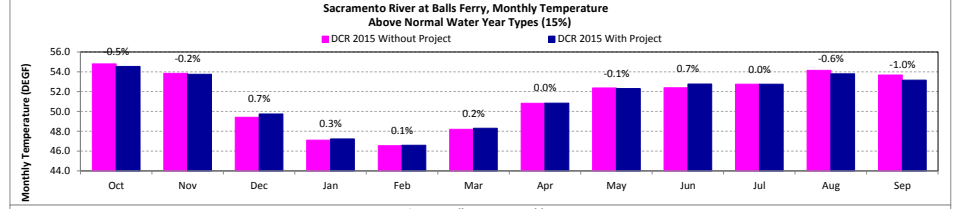
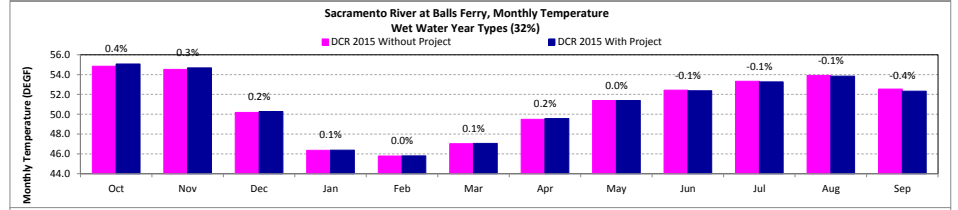
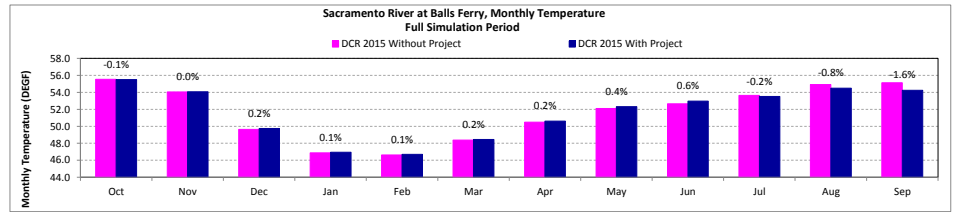


Figure SQ4-1b  
 Sacramento River at Balls Ferry, Monthly Temperature  
 Probability of Exceedance

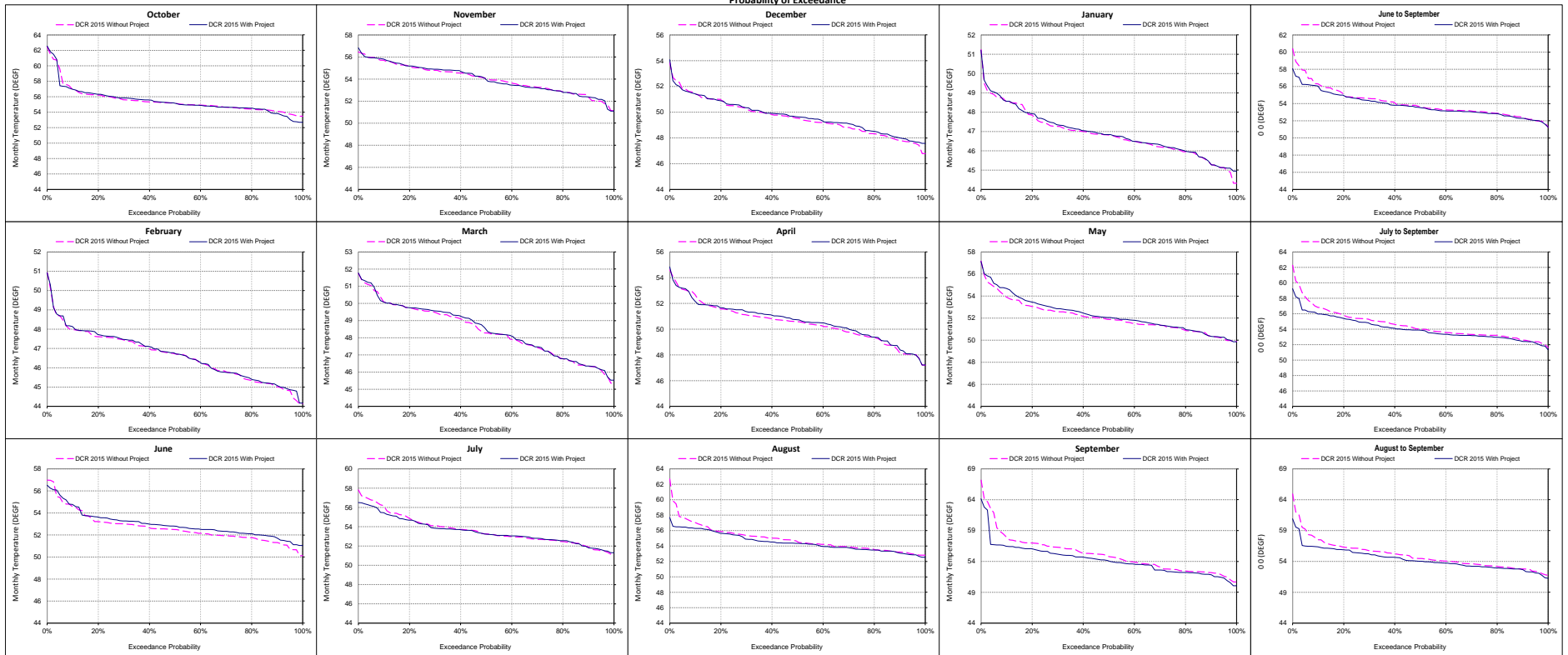


Table SQ4-1b  
Sacramento River at Balls Ferry, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	62.6	62.6	0.1	0.2%	
1.2%	61.5	61.8	0.4	0.6%	
2.5%	60.8	61.5	0.6	1.1%	
3.7%	60.8	60.8	0.1	0.1%	
4.9%	59.6	60.4	-2.2	-3.6%	
6.2%	57.7	57.3	-0.3	-0.6%	
7.4%	57.4	57.3	-0.3	-0.5%	
8.6%	57.4	57.1	-0.3	-0.5%	
9.9%	56.9	57.0	0.0	0.1%	
11.1%	56.8	56.9	0.0	0.1%	
12.3%	56.6	56.7	0.1	0.2%	
13.6%	56.4	56.7	0.3	0.5%	
14.8%	56.4	56.5	0.2	0.3%	
16.0%	56.3	56.5	0.2	0.4%	
17.3%	56.3	56.5	0.2	0.4%	
18.5%	56.3	56.4	0.1	0.2%	
19.8%	56.2	56.3	0.1	0.2%	
21.0%	56.2	56.3	0.1	0.2%	
22.2%	56.0	56.2	0.2	0.3%	
23.5%	56.0	56.1	0.1	0.2%	
24.7%	56.0	56.0	0.0	0.0%	
25.9%	55.9	56.0	0.1	0.2%	
27.2%	55.8	56.0	0.2	0.3%	
28.4%	55.8	56.0	0.1	0.2%	
29.6%	55.6	55.8	0.2	0.4%	
30.9%	55.6	55.8	0.2	0.4%	
32.1%	55.6	55.8	0.2	0.4%	
33.3%	55.5	55.8	0.2	0.4%	
34.6%	55.5	55.7	0.2	0.3%	
35.8%	55.5	55.7	0.2	0.3%	
37.0%	55.4	55.6	0.2	0.4%	
38.3%	55.4	55.6	0.2	0.4%	
39.5%	55.3	55.6	0.2	0.4%	
40.7%	55.3	55.6	0.2	0.4%	
42.0%	55.3	55.4	0.1	0.1%	
43.2%	55.3	55.3	0.1	0.1%	
44.4%	55.3	55.3	0.1	0.1%	
45.7%	55.2	55.3	0.0	0.1%	
46.9%	55.2	55.2	0.0	0.1%	
48.1%	55.2	55.2	0.0	0.0%	
49.4%	55.2	55.2	0.0	0.1%	
50.6%	55.1	55.1	0.0	0.0%	
51.9%	55.1	55.0	0.0	-0.1%	
53.1%	55.0	55.0	0.0	-0.1%	
54.3%	55.0	54.9	-0.1	-0.1%	
55.6%	55.0	54.9	0.0	-0.1%	
56.8%	55.0	54.9	0.0	0.0%	
58.0%	54.9	54.9	0.0	-0.1%	
59.3%	54.9	54.9	0.0	0.0%	
60.5%	54.9	54.9	0.0	-0.1%	
61.7%	54.9	54.8	-0.1	-0.1%	
63.0%	54.9	54.8	-0.1	-0.1%	
64.2%	54.9	54.8	-0.1	-0.2%	
65.4%	54.8	54.8	-0.1	-0.1%	
66.7%	54.8	54.7	-0.1	-0.3%	
67.9%	54.7	54.7	-0.1	-0.2%	
69.1%	54.7	54.8	0.0	0.0%	
70.4%	54.6	54.6	0.0	0.0%	
71.6%	54.6	54.6	0.0	0.0%	
72.8%	54.6	54.6	0.0	0.0%	
74.1%	54.6	54.6	0.0	0.0%	
75.3%	54.5	54.6	0.1	0.1%	
76.5%	54.5	54.5	0.1	0.1%	
77.8%	54.4	54.5	0.1	0.2%	
79.0%	54.4	54.5	0.1	0.2%	
80.2%	54.4	54.5	0.1	0.2%	
81.5%	54.3	54.4	0.1	0.2%	
82.7%	54.3	54.4	0.1	0.2%	
84.0%	54.3	54.4	0.1	0.1%	
85.2%	54.3	54.4	0.1	0.2%	
86.4%	54.3	54.2	-0.1	-0.2%	
87.7%	54.2	53.9	-0.3	-0.6%	
88.9%	54.2	53.8	-0.3	-0.6%	
90.1%	54.1	53.8	-0.3	-0.5%	
91.4%	54.1	53.7	-0.4	-0.7%	
92.6%	54.0	53.5	-0.5	-0.9%	
93.8%	53.8	53.5	-0.3	-0.6%	
95.1%	53.8	53.0	-0.7	-1.3%	
96.3%	53.7	52.8	-0.9	-1.6%	
97.5%	53.5	52.8	-0.8	-1.4%	
98.8%	53.5	52.7	-0.8	-1.5%	
100.0%	53.5	52.7	0.0	-1.5%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.5	56.8	0.4	0.6%	
1.2%	56.3	56.3	0.0	0.0%	
2.5%	56.3	56.0	-0.2	-0.4%	
3.7%	56.0	56.0	0.0	0.0%	
4.9%	56.0	55.9	0.0	0.0%	
6.2%	56.0	55.9	0.0	0.0%	
7.4%	55.9	55.9	0.1	0.1%	
8.6%	55.7	55.8	0.1	0.2%	
9.9%	55.7	55.8	0.1	0.2%	
11.1%	55.6	55.7	0.1	0.2%	
12.3%	55.6	55.6	0.0	0.1%	
13.6%	55.5	55.5	0.0	0.1%	
14.8%	55.3	55.5	0.1	0.2%	
16.0%	55.3	55.4	0.2	0.3%	
17.3%	55.3	55.3	0.1	0.1%	
18.5%	55.3	55.2	-0.1	-0.1%	
19.8%	55.2	55.2	0.0	0.0%	
21.0%	55.1	55.2	0.1	0.2%	
22.2%	55.0	55.1	0.1	0.2%	
23.5%	55.0	55.1	0.0	0.1%	
24.7%	55.0	55.0	0.0	0.1%	
25.9%	54.9	55.0	0.1	0.2%	
27.2%	54.9	54.9	0.1	0.2%	
28.4%	54.8	54.9	0.1	0.2%	
29.6%	54.8	54.9	0.1	0.2%	
30.9%	54.8	54.9	0.1	0.2%	
32.1%	54.7	54.9	0.2	0.3%	
33.3%	54.7	54.8	0.1	0.3%	
34.6%	54.7	54.8	0.2	0.3%	
35.8%	54.7	54.8	0.2	0.3%	
37.0%	54.6	54.8	0.2	0.3%	
38.3%	54.6	54.8	0.2	0.4%	
39.5%	54.6	54.8	0.2	0.4%	
40.7%	54.5	54.6	0.1	0.1%	
42.0%	54.5	54.5	0.1	0.1%	
43.2%	54.4	54.5	0.1	0.2%	
44.4%	54.3	54.5	0.2	0.4%	
45.7%	54.3	54.3	0.0	0.0%	
46.9%	54.2	54.3	0.1	0.1%	
48.1%	54.2	54.2	0.1	0.1%	
49.4%	54.1	54.1	0.0	0.0%	
50.6%	54.0	53.8	-0.2	-0.4%	
51.9%	53.9	53.8	-0.2	-0.3%	
53.1%	53.9	53.8	-0.2	-0.3%	
54.3%	53.9	53.7	-0.2	-0.4%	
55.6%	53.9	53.6	-0.3	-0.5%	
56.8%	53.8	53.6	-0.3	-0.5%	
58.0%	53.7	53.6	-0.2	-0.4%	
59.3%	53.7	53.5	-0.3	-0.5%	
60.5%	53.6	53.4	-0.2	-0.3%	
61.7%	53.6	53.4	-0.1	-0.2%	
63.0%	53.5	53.4	0.0	-0.1%	
64.2%	53.4	53.4	-0.1	-0.1%	
65.4%	53.4	53.3	-0.1	-0.3%	
66.7%	53.3	53.3	-0.1	-0.1%	
67.9%	53.3	53.2	-0.1	-0.2%	
69.1%	53.3	53.2	-0.1	-0.1%	
70.4%	53.3	53.2	-0.1	-0.1%	
71.6%	53.3	53.1	-0.1	-0.2%	
72.8%	53.2	53.1	-0.1	-0.1%	
74.1%	53.1	53.0	-0.1	-0.2%	
75.3%	53.0	53.0	0.0	0.0%	
76.5%	53.0	53.0	0.0	0.0%	
77.8%	52.9	52.9	0.0	0.0%	
79.0%	52.9	52.9	0.0	0.0%	
80.2%	52.8	52.8	0.0	0.0%	
81.5%	52.8	52.8	0.0	0.0%	
82.7%	52.8	52.7	0.0	-0.1%	
84.0%	52.6	52.7	0.1	0.1%	
85.2%	52.6	52.7	0.0	0.1%	
86.4%	52.6	52.5	-0.2	-0.3%	
87.7%	52.6	52.4	-0.2	-0.4%	
88.9%	52.6	52.4	-0.2	-0.4%	
90.1%	52.4	52.4	0.1	0.1%	
91.4%	52.1	52.3	0.3	0.5%	
92.6%	52.0	52.3	0.3	0.5%	
93.8%	52.0	52.2	0.2	0.3%	
95.1%	52.0	52.2	0.2	0.3%	
96.3%	51.8	52.0	0.2	0.5%	
97.5%	51.7	51.3	-0.4	-0.8%	
98.8%	51.1	51.1	0.0	-0.1%	
100.0%	51.1	51.1	0.0	-0.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.1	54.1	0.2	0.4%	
1.2%	52.7	52.5	-0.2	-0.5%	
2.5%	52.4	52.1	-0.3	-0.6%	
3.7%	52.3	52.0	-0.3	-0.6%	
4.9%	51.8	51.7	-0.1	-0.1%	
6.2%	51.8	51.6	-0.2	-0.3%	
7.4%	51.6	51.6	0.0	-0.1%	
8.6%	51.6	51.5	-0.1	-0.2%	
9.9%	51.4	51.4	0.0	0.1%	
11.1%	51.4	51.3	0.0	-0.1%	
12.3%	51.1	51.3	0.2	0.4%	
13.6%	51.1	51.3	0.2	0.3%	
14.8%	51.1	51.0	0.0	-0.1%	
16.0%	51.0	51.0	0.0	0.0%	
17.3%	51.0	51.0	0.0	0.0%	
18.5%	51.0	50.9	-0.1	-0.1%	
19.8%	51.0	50.9	-0.1	-0.2%	
21.0%	50.8	50.9	0.0	0.1%	
22.2%	50.5	50.6	0.1	0.3%	
23.5%	50.5	50.6	0.1	0.2%	
24.7%	50.5	50.6	0.1	0.2%	
25.9%	50.5	50.6	0.1	0.2%	
27.2%	50.4	50.6	0.1	0.3%	
28.4%	50.4	50.4	0.0	0.1%	
29.6%	50.3	50.4	0.1	0.1%	
30.9%	50.2	50.3	0.2	0.3%	
32.1%	50.1	50.2	0.1	0.2%	
33.3%	50.0	50.2	0.1	0.2%	
34.6%	50.0	50.1	0.1	0.3%	
35.8%	50.0	50.1	0.1	0.1%	
37.0%	50.0	49.9	0.0	0.0%	
38.3%	49.9	49.9	0.0	0.1%	
39.5%	49.8	49.9	0.1	0.1%	
40.7%	49.8	49.9	0.1	0.2%	
42.0%	49.8	49.9	0.1	0.2%	
43.2%	49.8	49.9	0.1	0.2%	
44.4%	49.7	49.9	0.1	0.3%	
45.7%	49.7	49.8	0.1	0.2%	
46.9%	49.6	49.7	0.1	0.2%	
48.1%	49.6	49.7	0.1	0.2%	
49.4%	49.5	49.7	0.1	0.2%	
50.6%	49.5	49.6	0.1	0.2%	
51.9%	49.4	49.6	0.2	0.4%	
53.1%	49.4	49.6	0.2	0.5%	
54.3%	49.3	49.5	0.2	0.4%	
55.6%	49.3	49.5	0.2	0.4%	
56.8%	49.2	49.5	0.2	0.5%	
58.0%	49.2	49.5	0.3	0.5%	
59.3%	49.2	49.4	0.2	0.4%	
60.5%	49.2	49.2	0.1	0.1%	
61.7%	49.1	49.2	0.1	0.2%	
63.0%	49.1	49.2	0.1	0.3%	
64.2%	49.1	49.2	0.1	0.2%	
65.4%	49.1	49.2	0.1	0.2%	
66.7%	49.0	49.2	0.2	0.4%	
67.9%	48.8	49.1	0.3	0.6%	
69.1%	48.8	49.1	0.3	0.7%	
70.4%	48.8	49.1	0.3	0.6%	
71.6%	48.7	49.0	0.4	0.7%	
72.8%	48.7	48.9	0.2	0.5%	
74.1%	48.7	48.9	0.2	0.5%	
75.3%	48.5	48.8	0.3	0.6%	
76.5%	48.5	48.6	0.1	0.1%	
77.8%	48.3	48.6	0.2	0.5%	
79.0%	48.3	48.5	0.2		

Table SQ4-1b  
Sacramento River at Balls Ferry, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	50.9		0.0	0.0%	
1.2%	50.1	50.3	0.2	0.4%	
2.5%	49.2	49.1	0.0	-0.1%	
3.7%	48.7	48.8	0.1	0.1%	
4.9%	48.7	48.7	0.0	0.0%	
6.2%	48.5	48.7	0.2	0.5%	
7.4%	48.2	48.2	0.0	0.0%	
8.6%	48.0	48.2	0.2	0.3%	
9.9%	48.0	48.1	0.2	0.3%	
11.1%	48.0	48.0	0.0	0.0%	
12.3%	47.9	47.9	0.0	0.0%	
13.6%	47.9	47.9	0.0	0.0%	
14.8%	47.9	47.9	0.0	0.1%	
16.0%	47.9	47.9	0.0	0.1%	
17.3%	47.7	47.9	0.2	0.4%	
18.5%	47.6	47.9	0.2	0.5%	
19.8%	47.6	47.7	0.1	0.2%	
21.0%	47.6	47.7	0.1	0.2%	
22.2%	47.6	47.6	0.1	0.1%	
23.5%	47.6	47.6	0.1	0.1%	
24.7%	47.6	47.6	0.1	0.1%	
25.9%	47.6	47.6	0.1	0.1%	
27.2%	47.5	47.6	0.1	0.2%	
28.4%	47.5	47.5	0.0	0.0%	
29.6%	47.5	47.5	0.0	0.0%	
30.9%	47.4	47.5	0.1	0.1%	
32.1%	47.4	47.4	0.1	0.1%	
33.3%	47.4	47.4	0.1	0.1%	
34.6%	47.2	47.3	0.1	0.2%	
35.8%	47.1	47.3	0.2	0.4%	
37.0%	47.1	47.2	0.1	0.2%	
38.3%	47.1	47.1	0.0	0.0%	
39.5%	47.0	47.1	0.1	0.2%	
40.7%	46.9	47.1	0.1	0.3%	
42.0%	46.9	47.0	0.1	0.1%	
43.2%	46.9	47.0	0.1	0.1%	
44.4%	46.9	46.9	0.0	0.0%	
45.7%	46.8	46.8	0.0	0.0%	
46.9%	46.8	46.8	0.0	0.1%	
48.1%	46.8	46.8	0.0	0.0%	
49.4%	46.7	46.8	0.0	0.1%	
50.6%	46.7	46.7	0.0	0.0%	
51.9%	46.7	46.7	0.0	0.0%	
53.1%	46.7	46.7	0.0	-0.1%	
54.3%	46.6	46.6	0.0	0.0%	
55.6%	46.5	46.5	0.0	0.0%	
56.8%	46.5	46.4	0.0	0.0%	
58.0%	46.4	46.4	0.0	0.0%	
59.3%	46.3	46.3	0.0	0.1%	
60.5%	46.2	46.2	0.0	0.0%	
61.7%	46.2	46.2	0.0	0.0%	
63.0%	46.1	46.2	0.1	0.1%	
64.2%	46.0	46.0	0.0	0.0%	
65.4%	46.0	45.9	-0.1	-0.1%	
66.7%	45.9	45.8	0.0	-0.1%	
67.9%	45.9	45.8	-0.1	-0.2%	
69.1%	45.8	45.8	0.0	0.0%	
70.4%	45.8	45.8	0.0	0.0%	
71.6%	45.7	45.7	0.0	0.0%	
72.8%	45.7	45.7	0.0	0.0%	
74.1%	45.7	45.7	0.0	0.1%	
75.3%	45.6	45.6	0.0	-0.1%	
76.5%	45.5	45.6	0.1	0.2%	
77.8%	45.4	45.5	0.1	0.3%	
79.0%	45.4	45.5	0.1	0.3%	
80.2%	45.3	45.4	0.1	0.1%	
81.5%	45.3	45.4	0.1	0.2%	
82.7%	45.2	45.3	0.1	0.2%	
84.0%	45.2	45.3	0.0	0.1%	
85.2%	45.2	45.2	0.0	0.0%	
86.4%	45.2	45.2	0.0	0.1%	
87.7%	45.2	45.2	0.0	0.0%	
88.9%	45.1	45.2	0.1	0.2%	
90.1%	45.0	45.1	0.1	0.1%	
91.4%	45.0	45.0	0.0	0.0%	
92.6%	44.9	45.0	0.1	0.3%	
93.8%	44.8	44.9	0.1	0.2%	
95.1%	44.8	44.9	0.0	0.1%	
96.3%	44.4	44.8	0.4	0.9%	
97.5%	44.3	44.8	0.5	1.1%	
98.8%	44.1	44.2	0.0	0.1%	
100.0%	44.1	44.2	0.0	0.1%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.7	51.8	0.0	0.1%	
1.2%	51.4	51.4	0.0	0.0%	
2.5%	51.2	51.3	0.1	0.2%	
3.7%	51.1	51.2	0.1	0.3%	
4.9%	51.0	51.2	0.2	0.3%	
6.2%	50.7	50.9	0.2	0.4%	
7.4%	50.7	50.5	-0.2	-0.4%	
8.6%	50.4	50.2	-0.2	-0.4%	
9.9%	50.1	50.1	0.0	0.0%	
11.1%	50.0	50.0	0.0	0.0%	
12.3%	50.0	50.0	0.0	0.0%	
13.6%	49.9	49.9	0.0	0.0%	
14.8%	49.9	49.9	0.0	0.0%	
16.0%	49.9	49.9	0.0	0.0%	
17.3%	49.9	49.9	0.0	0.0%	
18.5%	49.8	49.8	0.0	0.0%	
19.8%	49.7	49.8	0.0	0.0%	
21.0%	49.7	49.7	0.0	0.0%	
22.2%	49.7	49.7	0.1	0.2%	
23.5%	49.6	49.7	0.1	0.2%	
24.7%	49.6	49.7	0.1	0.1%	
25.9%	49.6	49.7	0.1	0.2%	
27.2%	49.5	49.7	0.2	0.2%	
28.4%	49.5	49.6	0.0	0.1%	
29.6%	49.5	49.6	0.1	0.1%	
30.9%	49.4	49.6	0.1	0.3%	
32.1%	49.3	49.5	0.2	0.4%	
33.3%	49.3	49.5	0.2	0.3%	
34.6%	49.3	49.5	0.1	0.3%	
35.8%	49.2	49.5	0.2	0.4%	
37.0%	49.2	49.3	0.1	0.2%	
38.3%	49.2	49.3	0.2	0.3%	
39.5%	49.1	49.3	0.2	0.3%	
40.7%	49.1	49.2	0.2	0.3%	
42.0%	48.9	49.0	0.3	0.5%	
43.2%	48.9	49.1	0.2	0.5%	
44.4%	48.8	49.0	0.2	0.4%	
45.7%	48.7	48.9	0.1	0.3%	
46.9%	48.5	48.8	0.3	0.7%	
48.1%	48.6	48.8	0.4	0.8%	
49.4%	48.3	48.6	0.3	0.6%	
50.6%	48.3	48.4	0.1	0.2%	
51.9%	48.2	48.3	0.1	0.1%	
53.1%	48.2	48.3	0.0	0.1%	
54.3%	48.2	48.2	0.0	0.1%	
55.6%	48.2	48.2	0.0	0.0%	
56.8%	48.2	48.2	0.0	0.0%	
58.0%	48.2	48.2	0.0	0.0%	
59.3%	47.9	48.1	0.2	0.5%	
60.5%	47.9	48.1	0.2	0.4%	
61.7%	47.9	47.9	0.0	0.4%	
63.0%	47.8	47.9	0.1	0.2%	
64.2%	47.7	47.8	0.2	0.4%	
65.4%	47.6	47.6	0.0	0.0%	
66.7%	47.6	47.6	0.0	0.1%	
67.9%	47.6	47.6	0.0	0.0%	
69.1%	47.5	47.5	0.0	0.0%	
70.4%	47.4	47.5	0.1	0.1%	
71.6%	47.3	47.4	0.1	0.2%	
72.8%	47.2	47.2	0.0	0.0%	
74.1%	47.2	47.2	0.0	0.0%	
75.3%	47.1	47.1	0.0	-0.1%	
76.5%	47.0	46.9	0.0	-0.1%	
77.8%	46.9	46.9	0.0	0.0%	
79.0%	46.8	46.8	0.0	-0.1%	
80.2%	46.8	46.8	0.0	0.0%	
81.5%	46.7	46.8	0.1	0.2%	
82.7%	46.7	46.7	0.0	0.0%	
84.0%	46.6	46.6	0.0	0.0%	
85.2%	46.4	46.6	0.2	0.4%	
86.4%	46.4	46.5	0.1	0.2%	
87.7%	46.4	46.4	0.0	0.1%	
88.9%	46.4	46.4	0.0	-0.1%	
90.1%	46.3	46.3	0.0	0.0%	
91.4%	46.3	46.3	0.0	0.0%	
92.6%	46.3	46.3	0.0	0.0%	
93.8%	46.2	46.2	0.0	0.0%	
95.1%	46.1	46.1	0.0	0.1%	
96.3%	45.9	46.1	0.2	0.5%	
97.5%	45.7	45.7	0.0	0.0%	
98.8%	45.4	45.5	0.2	0.4%	
100.0%	45.4	45.5	0.2	0.4%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.6	54.8	0.2	0.4%	
1.2%	54.1	53.8	-0.3	-0.4%	
2.5%	53.7	53.4	-0.2	-0.5%	
3.7%	53.2	53.3	0.0	0.1%	
4.9%	53.1	53.2	0.1	0.2%	
6.2%	53.0	53.2	0.1	0.2%	
7.4%	52.9	52.9	0.0	0.0%	
8.6%	52.9	52.5	-0.5	-0.9%	
9.9%	52.7	52.2	-0.5	-1.0%	
11.1%	52.3	51.9	-0.4	-0.7%	
12.3%	52.1	51.9	-0.2	-0.4%	
13.6%	51.9	51.9	0.0	-0.1%	
14.8%	51.8	51.9	0.0	0.1%	
16.0%	51.8	51.9	0.1	0.1%	
17.3%	51.7	51.8	0.1	0.2%	
18.5%	51.7	51.8	0.1	0.3%	
19.8%	51.6	51.7	0.1	0.2%	
21.0%	51.6	51.7	0.1	0.2%	
22.2%	51.7	51.6	0.0	0.1%	
23.5%	51.4	51.6	0.1	0.2%	
24.7%	51.4	51.5	0.1	0.3%	
25.9%	51.3	51.5	0.2	0.5%	
27.2%	51.2	51.5	0.3	0.5%	
28.4%	51.1	51.5	0.4	0.7%	
29.6%	51.1	51.4	0.3	0.5%	
30.9%	51.1	51.3	0.3	0.5%	
32.1%	51.0	51.3	0.3	0.6%	
33.3%	51.0	51.3	0.3	0.6%	
34.6%	51.0	51.2	0.3	0.5%	
35.8%	50.9	51.2	0.3	0.5%	
37.0%	50.8	51.1	0.2	0.5%	
38.3%	50.8	51.1	0.2	0.5%	
39.5%	50.8	51.1	0.3	0.6%	
40.7%	50.8	51.0	0.3	0.5%	
42.0%	50.7	51.0	0.3	0.5%	
43.2%	50.7	51.0	0.3	0.6%	
44.4%	50.7	51.0	0.3	0.6%	
45.7%	50.7	50.9	0.2	0.4%	
46.9%	50.6	50.9	0.2	0.5%	
48.1%	50.6	50.8	0.2	0.5%	
49.4%	50.6	50.7	0.1	0.3%	
50.6%	50.6	50.7	0.1	0.3%	
51.9%	50.5	50.6	0.1	0.2%	
53.1%	50.5	50.6	0.1	0.2%	
54.3%	50.4	50.5	0.1	0.3%	
55.6%	50.4	50.5	0.1	0.3%	
56.8%	50.3	50.5	0.2	0.3%	
58.0%	50.3	50.5	0.2	0.4%	
59.3%	50.3	50.5	0.2	0.4%	
60.5%	50.2	50.5	0.3	0.5%	
61.7%	50.2	50.4	0.2	0.4%	
63.0%	50.1	50.3	0.3	0.5%	
64.2%	50.1	50.2	0.2	0.3%	
65.4%	50.0	50.2	0.2	0.3%	
66.7%	50.0	50.2	0.2	0.3%	
67.9%	49.9	50.1	0.2	0.5%	
69.1%	49.8	50.1	0.3	0.6%	
70.4%	49.8	50.0	0.2	0.4%	
71.6%	49.7	49.9	0.2	0.4%	
72.8%	49.6	49.9	0.3	0.6%	
74.1%	49.5	49.7	0.2	0.3%	
75.3%	49.5	49.6	0.0	0.1%	
76.5%	49.5	49.6	0.1	0.2%	
77.8%	49.4	49.5	0.1	0.3%	
79.0%	49.4	49.4	0.0	0.0%</	

Table SQ4-1b  
Sacramento River at Balls Ferry, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	57.0	56.5	-0.5	-0.8%	
1.2%	57.0	56.2	-0.7	-1.2%	
2.5%	56.8	56.1	-0.7	-1.3%	
3.7%	55.5	56.1	0.6	1.1%	
4.9%	55.4	56.6	1.2	2.1%	
6.2%	54.8	56.3	1.4	2.5%	
7.4%	54.8	55.2	0.4	0.7%	
8.6%	54.8	54.8	0.0	0.0%	
9.9%	54.6	54.8	0.2	0.4%	
11.1%	54.5	54.6	0.1	0.1%	
12.3%	54.3	54.5	0.3	0.5%	
13.6%	54.2	53.8	-0.4	-0.7%	
14.8%	53.8	53.7	0.0	0.0%	
16.0%	53.7	53.7	0.0	0.0%	
17.3%	53.5	53.7	0.2	0.3%	
18.5%	53.2	53.7	0.4	0.8%	
19.8%	53.2	53.6	0.4	0.8%	
21.0%	53.2	53.6	0.4	0.7%	
22.2%	53.2	53.6	0.4	0.8%	
23.5%	53.1	53.5	0.4	0.7%	
24.7%	53.1	53.5	0.4	0.7%	
25.9%	53.1	53.4	0.3	0.6%	
27.2%	53.0	53.4	0.3	0.6%	
28.4%	53.0	53.3	0.3	0.5%	
29.6%	53.0	53.3	0.3	0.5%	
30.9%	53.0	53.3	0.3	0.5%	
32.1%	53.0	53.3	0.3	0.6%	
33.3%	52.9	53.3	0.3	0.6%	
34.6%	52.9	53.2	0.3	0.6%	
35.8%	52.8	53.2	0.4	0.7%	
37.0%	52.8	53.1	0.3	0.5%	
38.3%	52.8	53.0	0.3	0.5%	
39.5%	52.8	53.0	0.3	0.6%	
40.7%	52.6	53.0	0.4	0.7%	
42.0%	52.6	53.0	0.4	0.7%	
43.2%	52.6	52.9	0.4	0.7%	
44.4%	52.6	52.9	0.4	0.7%	
45.7%	52.6	52.9	0.3	0.6%	
46.9%	52.5	52.8	0.3	0.6%	
48.1%	52.5	52.8	0.3	0.6%	
49.4%	52.5	52.8	0.3	0.6%	
50.6%	52.5	52.8	0.3	0.6%	
51.9%	52.4	52.7	0.3	0.5%	
53.1%	52.4	52.7	0.3	0.6%	
54.3%	52.3	52.7	0.3	0.6%	
55.6%	52.3	52.6	0.3	0.6%	
56.8%	52.2	52.6	0.3	0.6%	
58.0%	52.2	52.6	0.3	0.7%	
59.3%	52.2	52.6	0.4	0.8%	
60.5%	52.1	52.5	0.4	0.7%	
61.7%	52.1	52.5	0.4	0.7%	
63.0%	52.1	52.5	0.4	0.7%	
64.2%	52.0	52.5	0.5	0.9%	
65.4%	52.0	52.5	0.5	0.9%	
66.7%	52.0	52.4	0.4	0.7%	
67.9%	52.0	52.3	0.4	0.7%	
69.1%	51.9	52.3	0.4	0.8%	
70.4%	51.9	52.3	0.4	0.8%	
71.6%	51.9	52.3	0.4	0.8%	
72.8%	51.9	52.3	0.4	0.7%	
74.1%	51.8	52.2	0.4	0.8%	
75.3%	51.8	52.2	0.3	0.7%	
76.5%	51.8	52.2	0.4	0.7%	
77.8%	51.8	52.1	0.4	0.7%	
79.0%	51.8	52.1	0.4	0.7%	
80.2%	51.8	52.1	0.4	0.7%	
81.5%	51.7	52.0	0.3	0.6%	
82.7%	51.6	52.0	0.4	0.9%	
84.0%	51.5	52.0	0.5	0.9%	
85.2%	51.5	52.0	0.5	0.9%	
86.4%	51.4	51.9	0.5	0.9%	
87.7%	51.3	51.9	0.6	1.1%	
88.9%	51.3	51.9	0.5	1.0%	
90.1%	51.3	51.7	0.4	0.7%	
91.4%	51.2	51.5	0.3	0.6%	
92.6%	51.1	51.5	0.4	0.8%	
93.8%	51.1	51.4	0.4	0.7%	
95.1%	50.7	51.4	0.7	1.4%	
96.3%	50.7	51.1	0.4	0.9%	
97.5%	50.7	51.1	0.5	0.9%	
98.8%	50.1	51.0	0.9	1.8%	
100.0%	50.1	51.0	0.9	1.8%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	57.8	56.5	-1.3	-2.2%	
1.2%	57.2	56.5	-0.7	-1.3%	
2.5%	57.1	56.4	-0.7	-1.3%	
3.7%	56.9	56.3	-0.7	-1.2%	
4.9%	56.8	56.2	-0.6	-1.0%	
6.2%	56.7	56.1	-0.6	-1.1%	
7.4%	56.5	55.9	-0.6	-1.0%	
8.6%	56.3	55.5	-0.8	-1.4%	
9.9%	56.2	55.4	-0.7	-1.3%	
11.1%	56.7	55.3	-0.4	-0.7%	
12.3%	55.4	55.2	-0.2	-0.4%	
13.6%	55.4	55.1	-0.3	-0.5%	
14.8%	55.4	55.1	-0.3	-0.6%	
16.0%	55.3	54.8	-0.4	-0.8%	
17.3%	55.2	54.8	-0.4	-0.7%	
18.5%	55.1	54.7	-0.4	-0.7%	
19.8%	54.9	54.7	-0.2	-0.4%	
21.0%	54.7	54.7	0.0	-0.1%	
22.2%	54.5	54.6	0.1	0.1%	
23.5%	54.5	54.4	-0.1	-0.2%	
24.7%	54.3	54.3	-0.1	-0.1%	
25.9%	54.3	54.3	-0.1	-0.1%	
27.2%	54.3	54.2	-0.1	-0.1%	
28.4%	54.1	53.9	-0.2	-0.4%	
29.6%	54.1	53.9	-0.3	-0.5%	
30.9%	54.1	53.8	-0.3	-0.5%	
32.1%	54.0	53.8	-0.2	-0.4%	
33.3%	54.0	53.8	-0.2	-0.4%	
34.6%	54.0	53.8	-0.2	-0.4%	
35.8%	53.9	53.8	-0.1	-0.2%	
37.0%	53.8	53.7	-0.1	-0.2%	
38.3%	53.8	53.7	0.0	-0.1%	
39.5%	53.7	53.7	0.0	0.0%	
40.7%	53.7	53.6	-0.1	-0.1%	
42.0%	53.7	53.6	-0.1	-0.1%	
43.2%	53.7	53.6	-0.1	-0.1%	
44.4%	53.6	53.6	0.0	-0.1%	
45.7%	53.6	53.5	-0.1	-0.3%	
46.9%	53.5	53.4	-0.1	-0.2%	
48.1%	53.3	53.3	0.0	0.1%	
49.4%	53.3	53.2	0.0	0.0%	
50.6%	53.2	53.2	0.0	-0.1%	
51.9%	53.2	53.2	0.0	-0.1%	
53.1%	53.2	53.2	0.0	0.0%	
54.3%	53.1	53.1	0.0	0.1%	
55.6%	53.1	53.1	0.0	0.1%	
56.8%	53.0	53.1	0.1	0.1%	
58.0%	53.0	53.1	0.1	0.1%	
59.3%	53.0	53.1	0.1	0.1%	
60.5%	53.0	53.0	0.1	0.2%	
61.7%	52.9	53.0	0.1	0.2%	
63.0%	52.9	53.0	0.1	0.2%	
64.2%	52.9	53.0	0.1	0.1%	
65.4%	52.8	53.0	0.1	0.2%	
66.7%	52.8	52.9	0.2	0.3%	
67.9%	52.7	52.8	0.1	0.2%	
69.1%	52.7	52.8	0.1	0.2%	
70.4%	52.7	52.8	0.1	0.2%	
71.6%	52.7	52.8	0.1	0.2%	
72.8%	52.7	52.7	0.0	0.0%	
74.1%	52.6	52.7	0.0	0.1%	
75.3%	52.6	52.7	0.1	0.1%	
76.5%	52.6	52.6	0.0	0.1%	
77.8%	52.6	52.6	0.0	0.1%	
79.0%	52.5	52.6	0.1	0.2%	
80.2%	52.5	52.6	0.1	0.2%	
81.5%	52.4	52.5	0.1	0.3%	
82.7%	52.3	52.4	0.1	0.3%	
84.0%	52.3	52.4	0.1	0.2%	
85.2%	52.3	52.2	-0.1	-0.1%	
86.4%	52.3	52.2	-0.1	-0.1%	
87.7%	52.1	52.0	-0.1	-0.2%	
88.9%	52.0	52.0	0.0	-0.1%	
90.1%	51.8	51.8	-0.1	-0.2%	
91.4%	51.7	51.8	0.1	0.2%	
92.6%	51.6	51.7	0.1	0.3%	
93.8%	51.6	51.7	0.1	0.2%	
95.1%	51.5	51.6	0.1	0.2%	
96.3%	51.5	51.5	0.0	0.1%	
97.5%	51.3	51.5	0.1	0.3%	
98.8%	51.1	51.3	0.2	0.3%	
100.0%	51.1	51.3	0.2	0.3%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	62.7	57.7	-5.0	-8.0%	
1.2%	59.9	56.6	-3.3	-5.5%	
2.5%	59.5	56.5	-3.0	-5.0%	
3.7%	57.8	56.5	-1.3	-2.3%	
4.9%	57.7	56.4	-1.3	-2.2%	
6.2%	57.6	56.4	-1.1	-2.0%	
7.4%	57.4	56.4	-1.0	-1.7%	
8.6%	57.2	56.4	-0.8	-1.4%	
9.9%	57.1	56.3	-0.8	-1.3%	
11.1%	56.9	56.3	-0.6	-1.0%	
12.3%	56.7	56.3	-0.4	-0.8%	
13.6%	56.5	56.2	-0.4	-0.7%	
14.8%	56.5	56.1	-0.4	-0.7%	
16.0%	56.1	56.0	-0.1	-0.1%	
17.3%	56.0	55.9	-0.1	-0.2%	
18.5%	56.8	55.8	-1.0	-2.2%	
19.8%	55.9	55.6	-0.2	-0.4%	
21.0%	55.9	55.6	-0.2	-0.4%	
22.2%	55.8	55.6	-0.2	-0.3%	
23.5%	55.7	55.6	-0.2	-0.3%	
24.7%	55.7	55.5	-0.2	-0.4%	
25.9%	55.6	55.4	-0.2	-0.3%	
27.2%	55.5	55.4	-0.1	-0.3%	
28.4%	55.2	55.2	0.0	-0.3%	
29.6%	55.4	54.9	-0.5	-0.9%	
30.9%	55.3	54.9	-0.5	-0.8%	
32.1%	55.3	54.9	-0.4	-0.8%	
33.3%	55.3	54.7	-0.5	-0.9%	
34.6%	55.2	54.6	-0.6	-1.1%	
35.8%	55.2	54.6	-0.6	-1.0%	
37.0%	55.2	54.6	-0.6	-1.0%	
38.3%	55.0	54.6	-0.5	-0.8%	
39.5%	55.0	54.5	-0.5	-0.9%	
40.7%	55.0	54.5	-0.5	-0.9%	
42.0%	55.0	54.4	-0.6	-1.0%	
43.2%	54.9	54.4	-0.5	-1.0%	
44.4%	54.8	54.4	-0.4	-0.8%	
45.7%	54.8	54.4	-0.4	-0.8%	
46.9%	54.8	54.4	-0.4	-0.8%	
48.1%	54.7	54.4	-0.4	-0.7%	
49.4%	54.7	54.4	-0.3	-0.6%	
50.6%	54.4	54.3	-0.1	-0.2%	
51.9%	54.4	54.3	-0.1	-0.2%	
53.1%	54.4	54.3	-0.1	-0.2%	
54.3%	54.3	54.2	-0.1	-0.2%	
55.6%	54.3	54.2	-0.1	-0.1%	
56.8%	54.3	54.2	-0.1	-0.1%	
58.0%	54.3	54.1	-0.2	-0.3%	
59.3%	54.2	54.0	-0.2	-0.4%	
60.5%	54.2	53.9	-0.3	-0.5%	
61.7%	54.2	53.9	-0.2	-0.4%	
63.0%	54.2	53.9	-0.3	-0.6%	
64.2%	53.9	53.8	-0.1	-0.2%	
65.4%	53.9	53.8	-0.1	-0.2%	
66.7%	53.9	53.8	-0.1	-0.2%	
67.9%	53.8	53.8	-0.1	-0.2%	
69.1%	53.8	53.8	-0.1	-0.2%	
70.4%	53.8	53.7	-0.1	-0.3%	
71.6%	53.8	53.7	-0.2	-0.3%	
72.8%	53.8	53.6	-0.2	-0.3%	
74.1%	53.8	53.6	-0.2	-0.3%	
75.3%	53.7	53.6	-0.2	-0.3%	
76.5%	53.7	53.5	-0.2	-0.4%	
77.8%	53.7	53.5	-0.2	-0.3%	
79.0%	53.7	53.5	-0.2		



Table SQ4-1b  
Sacramento River at Balls Ferry, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	60.4	58.1	-2.3	-3.9%	
1.2%	58.9	57.2	-1.7	-2.9%	
2.5%	58.4	57.1	-1.4	-2.3%	
3.7%	57.9	56.2	-1.7	-2.9%	
4.9%	57.9	56.2	-1.6	-2.8%	
6.2%	56.9	56.2	-0.7	-1.3%	
7.4%	56.9	56.1	-0.8	-1.4%	
8.6%	56.3	56.1	-0.2	-0.4%	
9.9%	56.3	56.1	-0.3	-0.4%	
11.1%	56.1	55.5	-0.6	-1.0%	
12.3%	55.9	55.4	-0.5	-0.8%	
13.6%	55.8	55.4	-0.5	-0.9%	
14.8%	55.8	55.3	-0.5	-0.9%	
16.0%	55.6	55.1	-0.5	-0.9%	
17.3%	55.6	55.0	-0.5	-0.9%	
18.5%	55.4	55.0	-0.4	-0.8%	
19.8%	55.2	55.0	-0.2	-0.3%	
21.0%	54.8	54.8	0.0	0.0%	
22.2%	54.8	54.8	0.0	0.0%	
23.5%	54.8	54.6	-0.1	-0.2%	
24.7%	54.7	54.6	-0.1	-0.1%	
25.9%	54.7	54.6	-0.1	-0.2%	
27.2%	54.7	54.4	-0.2	-0.4%	
28.4%	54.6	54.4	-0.2	-0.4%	
29.6%	54.6	54.4	-0.2	-0.4%	
30.9%	54.6	54.3	-0.3	-0.5%	
32.1%	54.6	54.3	-0.3	-0.5%	
33.3%	54.5	54.1	-0.4	-0.7%	
34.6%	54.4	54.1	-0.2	-0.5%	
35.8%	54.3	54.1	-0.2	-0.4%	
37.0%	54.3	54.0	-0.3	-0.5%	
38.3%	54.2	53.8	-0.4	-0.7%	
39.5%	54.2	53.8	-0.4	-0.7%	
40.7%	53.9	53.8	-0.1	-0.2%	
42.0%	53.9	53.8	-0.1	-0.1%	
43.2%	53.9	53.8	-0.1	-0.1%	
44.4%	53.8	53.8	-0.1	-0.1%	
45.7%	53.8	53.7	-0.1	-0.2%	
46.9%	53.8	53.7	-0.1	-0.2%	
48.1%	53.8	53.6	-0.2	-0.4%	
49.4%	53.7	53.6	-0.1	-0.2%	
50.6%	53.6	53.5	-0.1	-0.2%	
51.9%	53.5	53.5	0.0	-0.1%	
53.1%	53.4	53.3	-0.1	-0.2%	
54.3%	53.4	53.3	-0.2	-0.3%	
55.6%	53.4	53.3	-0.1	-0.3%	
56.8%	53.4	53.2	-0.2	-0.3%	
58.0%	53.3	53.2	-0.1	-0.3%	
59.3%	53.3	53.1	-0.1	-0.2%	
60.5%	53.3	53.1	-0.1	-0.2%	
61.7%	53.2	53.1	-0.1	-0.2%	
63.0%	53.2	53.1	-0.1	-0.2%	
64.2%	53.2	53.1	-0.1	-0.2%	
65.4%	53.2	53.1	-0.1	-0.1%	
66.7%	53.2	53.1	-0.1	-0.2%	
67.9%	53.2	53.1	-0.1	-0.2%	
69.1%	53.2	53.1	-0.1	-0.2%	
70.4%	53.1	53.0	-0.1	-0.2%	
71.6%	53.1	53.0	-0.1	-0.1%	
72.8%	53.1	53.0	-0.1	-0.2%	
74.1%	53.1	52.9	-0.1	-0.2%	
75.3%	53.0	52.9	-0.1	-0.2%	
76.5%	53.0	52.8	-0.1	-0.2%	
77.8%	52.9	52.8	-0.1	-0.2%	
79.0%	52.9	52.8	0.0	-0.1%	
80.2%	52.9	52.8	0.0	-0.1%	
81.5%	52.8	52.7	-0.1	-0.2%	
82.7%	52.7	52.6	-0.2	-0.3%	
84.0%	52.7	52.6	-0.1	-0.2%	
85.2%	52.6	52.5	-0.1	-0.1%	
86.4%	52.6	52.4	-0.1	-0.3%	
87.7%	52.5	52.3	-0.2	-0.3%	
88.9%	52.5	52.3	-0.2	-0.3%	
90.1%	52.4	52.3	-0.1	-0.2%	
91.4%	52.2	52.0	0.0	0.0%	
92.6%	52.2	52.1	0.0	-0.1%	
93.8%	52.2	52.1	-0.1	-0.2%	
95.1%	52.0	52.0	0.0	0.1%	
96.3%	52.0	52.0	0.0	0.1%	
97.5%	51.9	51.9	-0.1	-0.2%	
98.8%	51.8	51.6	-0.1	-0.3%	
100.0%	51.2	51.3	0.0	0.1%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	62.3	59.2	-3.0	-4.9%	
1.2%	60.2	58.2	-2.0	-3.4%	
2.5%	59.8	58.0	-1.8	-3.1%	
3.7%	58.8	56.5	-2.3	-3.9%	
4.9%	58.2	56.5	-1.7	-2.9%	
6.2%	57.7	56.3	-1.5	-2.5%	
7.4%	57.4	56.2	-1.2	-2.1%	
8.6%	57.0	56.2	-0.8	-1.4%	
9.9%	56.8	56.0	-0.8	-1.5%	
11.1%	56.8	56.0	-0.8	-1.4%	
12.3%	56.6	55.9	-0.8	-1.4%	
13.6%	56.5	55.9	-0.6	-1.1%	
14.8%	56.3	55.7	-0.5	-0.9%	
16.0%	56.2	55.7	-0.5	-0.9%	
17.3%	56.1	55.6	-0.5	-0.9%	
18.5%	56.0	55.5	-0.5	-0.9%	
19.8%	55.8	55.4	-0.4	-0.8%	
21.0%	55.6	55.3	-0.3	-0.6%	
22.2%	55.5	55.3	-0.3	-0.5%	
23.5%	55.5	55.1	-0.3	-0.6%	
24.7%	55.4	55.1	-0.3	-0.5%	
25.9%	55.4	54.9	-0.4	-0.8%	
27.2%	55.4	54.9	-0.5	-0.9%	
28.4%	55.4	54.9	-0.5	-0.9%	
29.6%	55.3	54.8	-0.5	-0.8%	
30.9%	55.1	54.6	-0.5	-0.9%	
32.1%	55.1	54.5	-0.5	-1.0%	
33.3%	55.0	54.5	-0.5	-0.9%	
34.6%	55.0	54.3	-0.6	-1.2%	
35.8%	55.0	54.3	-0.7	-1.3%	
37.0%	54.9	54.3	-0.7	-1.2%	
38.3%	54.7	54.2	-0.6	-1.0%	
39.5%	54.6	54.1	-0.5	-1.0%	
40.7%	54.5	54.0	-0.5	-0.9%	
42.0%	54.5	54.0	-0.5	-0.9%	
43.2%	54.4	54.0	-0.5	-0.9%	
44.4%	54.4	53.9	-0.5	-0.9%	
45.7%	54.3	53.9	-0.4	-0.7%	
46.9%	54.2	53.9	-0.3	-0.6%	
48.1%	54.1	53.9	-0.2	-0.3%	
49.4%	54.0	53.9	-0.1	-0.3%	
50.6%	54.0	53.9	-0.1	-0.2%	
51.9%	54.0	53.8	-0.2	-0.4%	
53.1%	53.9	53.5	-0.4	-0.7%	
54.3%	53.8	53.5	-0.3	-0.5%	
55.6%	53.7	53.5	-0.3	-0.5%	
56.8%	53.7	53.4	-0.3	-0.5%	
58.0%	53.7	53.4	-0.3	-0.6%	
59.3%	53.6	53.4	-0.2	-0.4%	
60.5%	53.6	53.3	-0.2	-0.4%	
61.7%	53.5	53.3	-0.3	-0.5%	
63.0%	53.5	53.2	-0.2	-0.4%	
64.2%	53.4	53.2	-0.2	-0.4%	
65.4%	53.4	53.2	-0.2	-0.4%	
66.7%	53.4	53.2	-0.2	-0.4%	
67.9%	53.4	53.2	-0.2	-0.4%	
69.1%	53.3	53.2	-0.1	-0.3%	
70.4%	53.3	53.2	-0.1	-0.2%	
71.6%	53.3	53.1	-0.1	-0.3%	
72.8%	53.3	53.1	-0.2	-0.3%	
74.1%	53.3	53.1	-0.2	-0.3%	
75.3%	53.2	53.1	-0.2	-0.3%	
76.5%	53.2	53.0	-0.2	-0.4%	
77.8%	53.2	53.0	-0.2	-0.4%	
79.0%	53.2	53.0	-0.2	-0.5%	
80.2%	53.2	53.0	-0.2	-0.5%	
81.5%	53.1	52.9	-0.2	-0.3%	
82.7%	53.1	52.9	-0.2	-0.4%	
84.0%	53.0	52.8	-0.1	-0.3%	
85.2%	53.0	52.8	-0.2	-0.4%	
86.4%	52.9	52.7	-0.2	-0.4%	
87.7%	52.9	52.6	-0.3	-0.5%	
88.9%	52.7	52.5	-0.2	-0.3%	
90.1%	52.6	52.4	-0.2	-0.3%	
91.4%	52.5	52.4	-0.2	-0.3%	
92.6%	52.5	52.4	-0.1	-0.2%	
93.8%	52.4	52.4	0.0	0.0%	
95.1%	52.4	52.2	-0.2	-0.4%	
96.3%	52.4	52.0	-0.3	-0.6%	
97.5%	52.2	51.8	-0.3	-0.6%	
98.8%	52.0	51.8	-0.2	-0.3%	
100.0%	51.6	51.3	-0.3	-0.6%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	64.9	60.9	-4.0	-6.2%	
1.2%	62.0	59.6	-2.4	-3.9%	
2.5%	61.6	59.3	-2.3	-3.7%	
3.7%	59.5	56.6	-2.9	-4.9%	
4.9%	59.2	56.5	-2.7	-4.6%	
6.2%	58.3	56.5	-1.9	-3.2%	
7.4%	58.3	56.5	-1.8	-3.1%	
8.6%	57.9	56.4	-1.5	-2.6%	
9.9%	57.5	56.4	-1.1	-2.0%	
11.1%	57.5	56.2	-1.3	-2.2%	
12.3%	57.1	56.1	-0.9	-1.7%	
13.6%	56.9	56.1	-0.7	-1.3%	
14.8%	56.7	56.1	-0.6	-1.1%	
16.0%	56.6	56.1	-0.6	-1.0%	
17.3%	56.6	55.9	-0.6	-1.1%	
18.5%	56.5	55.9	-0.6	-1.0%	
19.8%	56.3	55.9	-0.5	-0.8%	
21.0%	56.3	55.8	-0.4	-0.7%	
22.2%	56.2	55.8	-0.3	-0.6%	
23.5%	56.1	55.5	-0.7	-1.2%	
24.7%	56.1	55.4	-0.7	-1.3%	
25.9%	56.1	55.4	-0.7	-1.3%	
27.2%	56.0	55.3	-0.6	-1.1%	
28.4%	55.9	55.3	-0.7	-1.2%	
29.6%	55.8	55.2	-0.5	-1.0%	
30.9%	55.7	55.1	-0.6	-1.1%	
32.1%	55.7	55.1	-0.6	-1.1%	
33.3%	55.6	54.9	-0.7	-1.3%	
34.6%	55.6	54.8	-0.8	-1.4%	
35.8%	55.6	54.7	-0.9	-1.6%	
37.0%	55.4	54.7	-0.7	-1.2%	
38.3%	55.4	54.7	-0.7	-1.2%	
39.5%	55.2	54.7	-0.5	-1.0%	
40.7%	55.2	54.6	-0.6	-1.0%	
42.0%	55.1	54.6	-0.5	-0.9%	
43.2%	55.1	54.3	-0.7	-1.3%	
44.4%	55.0	54.2	-0.9	-1.6%	
45.7%	54.9	54.1	-0.8	-1.5%	
46.9%	54.5	54.1	-0.4	-0.8%	
48.1%	54.5	54.1	-0.5	-0.8%	
49.4%	54.5	54.0	-0.4	-0.8%	
50.6%	54.5	54.0	-0.5	-0.8%	
51.9%	54.4	54.0	-0.4	-0.8%	
53.1%	54.4	53.9	-0.4	-0.8%	
54.3%	54.3	53.9	-0.4	-0.7%	
55.6%	54.2	53.8	-0.4	-0.7%	
56.8%	54.2	53.8	-0.4	-0.7%	
58.0%	54.1	53.8	-0.3	-0.6%	
59.3%	54.1	53.7	-0.3	-0.6%	
60.5%	54.0	53.7	-0.3	-0.6%	
61.7%	54.0	53.7	-0.4	-0.7%	
63.0%	54.0	53.7	-0.3	-0.6%	
64.2%	53.9	53.6	-0.3	-0.6%	
65.4%	53.9	53.5	-0.4	-0.8%	
66.7%	53.7	53.4	-0.3	-0.6%	
67.9%	53.6	53.3	-0.4	-0.7%	
69.1%	53.6	53.2	-0.4	-0.7%	
70.4%	53.6	53.2	-0.4	-0.8%	
71.6%	53.6	53.2	-0.3	-0.6%	
72.8%	53.5	53.2	-0.3	-0.6%	
74.1%	53.4	53.1	-0.3	-0.6%	
75.3%	53.3	53.1	-0.2	-0.4%	
76.5%	53.3	53.1	-0.2	-0.4%	
77.8%</					

Table SQ5-1a  
Sacramento River at Jellys Ferry, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	56.0	53.6	48.8	46.5	46.8	49.1	52.0	54.1	54.6	55.1	56.3	56.3
DCR 2015 With Project	55.9	53.6	49.0	46.5	46.8	49.2	52.1	54.4	55.0	55.0	55.9	55.4
Difference	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.4	-0.1	-0.4	-0.9
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.3%	0.1%	0.1%	0.2%	0.4%	0.7%	-0.2%	-0.7%	-1.6%	
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	55.3	54.1	49.3	46.1	46.0	47.8	51.0	53.6	54.8	55.1	55.4	53.5
DCR 2015 With Project	55.5	54.3	49.4	46.1	46.0	47.8	51.1	53.6	54.7	55.0	55.3	53.3
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1	-0.2
Percent Difference	0.4%	0.3%	0.2%	0.1%	0.0%	0.1%	0.2%	0.0%	-0.2%	-0.2%	-0.1%	-0.4%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	55.3	53.5	48.7	46.5	46.6	48.9	52.3	54.6	54.4	54.2	55.5	54.9
DCR 2015 With Project	55.0	53.4	49.0	46.6	46.6	49.0	52.3	54.5	54.9	54.2	55.2	54.4
Difference	-0.3	-0.1	0.4	0.1	0.0	0.1	0.0	-0.1	0.5	0.1	-0.3	-0.5
Percent Difference	-0.5%	-0.2%	0.8%	0.2%	0.0%	0.2%	0.0%	-0.2%	1.0%	0.1%	-0.5%	-0.8%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	55.3	52.6	48.6	46.1	46.6	49.3	52.5	54.3	53.8	54.4	55.7	56.8
DCR 2015 With Project	55.0	52.5	48.6	46.2	46.6	49.4	52.5	54.5	54.7	54.3	55.5	56.0
Difference	-0.3	-0.1	0.0	0.1	0.0	0.0	0.0	0.2	1.0	-0.1	-0.1	-0.8
Percent Difference	-0.6%	-0.1%	0.0%	0.2%	0.0%	0.1%	0.1%	0.4%	1.8%	-0.1%	-0.2%	-1.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	56.1	53.2	48.5	46.6	47.4	50.1	52.5	53.9	54.0	54.8	56.7	57.7
DCR 2015 With Project	56.1	53.2	48.6	46.7	47.4	50.2	52.6	54.2	54.8	54.8	56.2	56.4
Difference	0.0	-0.1	0.0	0.1	0.0	0.1	0.1	0.3	0.7	0.0	-0.5	-1.4
Percent Difference	0.0%	-0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.6%	1.4%	0.0%	-0.9%	-2.4%
<b>Critical (15%)</b>												
DCR 2015 Without Project	58.7	54.4	48.7	47.3	48.0	50.6	52.4	55.0	56.1	57.4	58.9	61.3
DCR 2015 With Project	58.6	54.5	48.9	47.4	48.2	50.7	52.8	55.9	56.3	57.0	57.6	59.2
Difference	-0.1	0.0	0.2	0.1	0.2	0.1	0.4	0.9	0.1	-0.4	-1.4	-2.1
Percent Difference	-0.1%	0.1%	0.5%	0.1%	0.3%	0.1%	0.8%	1.6%	0.3%	-0.8%	-2.4%	-3.4%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

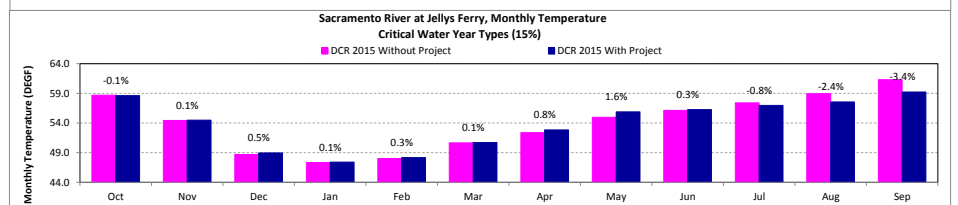
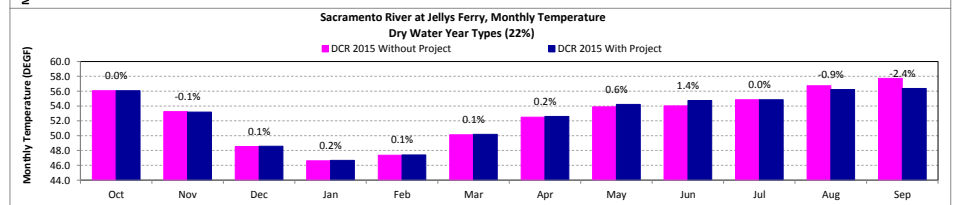
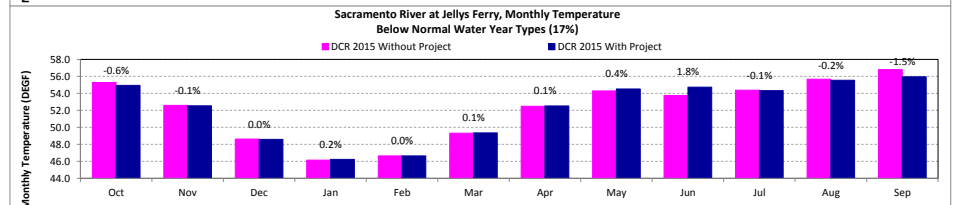
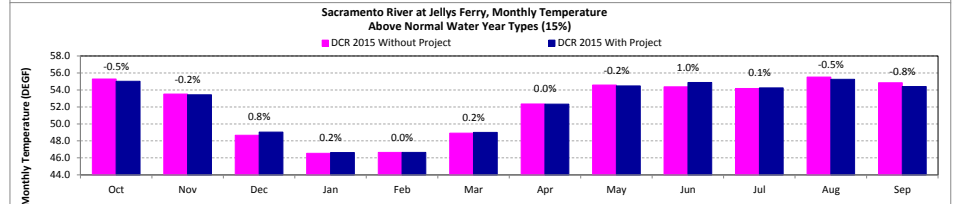
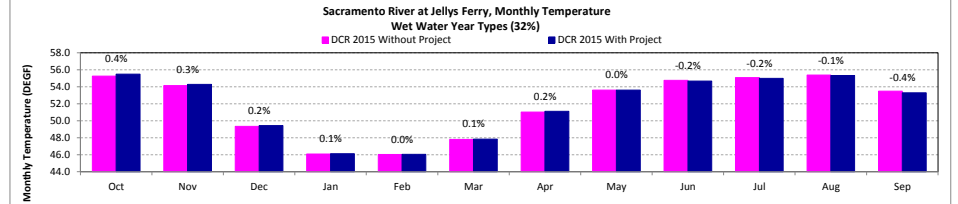
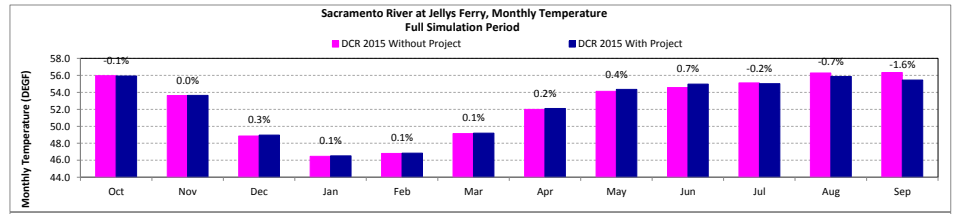


Figure SQ5-1b  
 Sacramento River at Jellys Ferry, Monthly Temperature  
 Probability of Exceedance

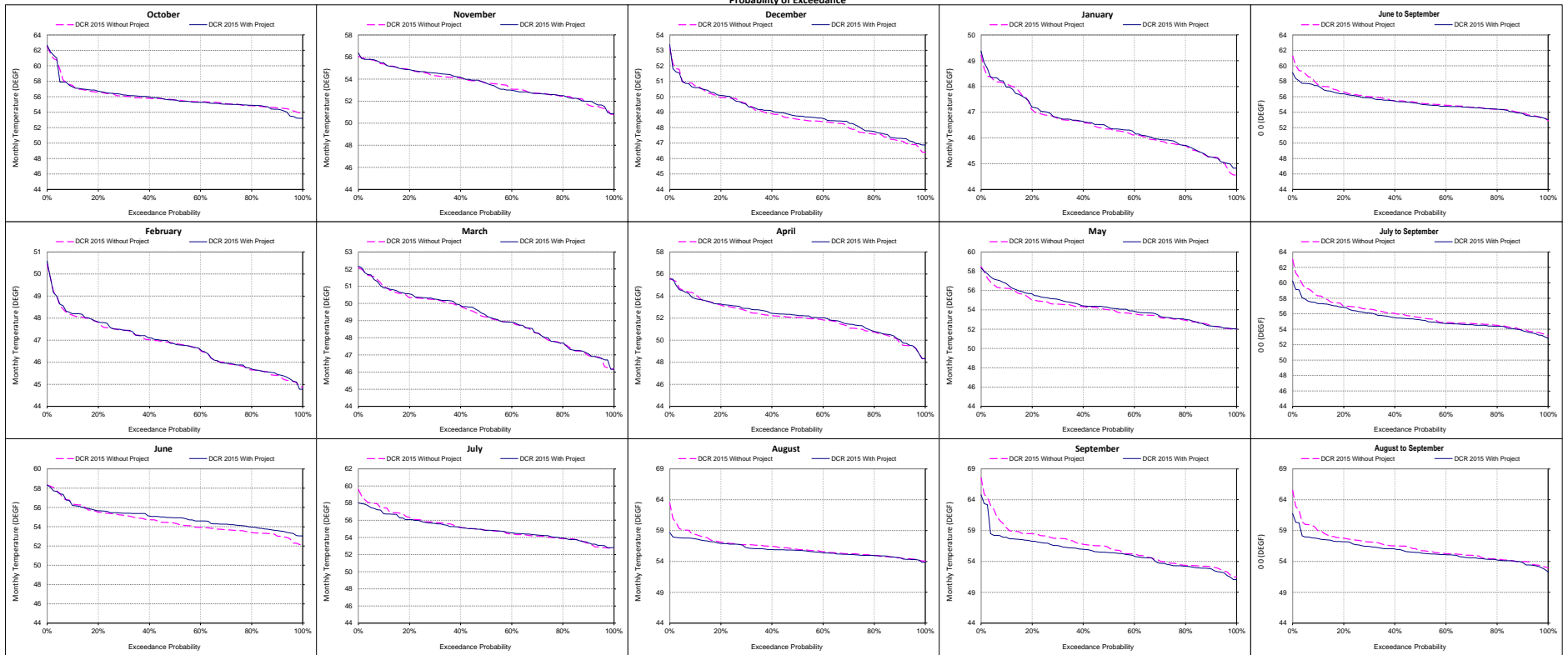


Table SQ5-1b  
Sacramento River at Jellies Ferry, Monthly Temperature  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.5	62.7	0.2	0.3%
1.2%	61.6	61.8	0.2	0.4%
2.5%	60.9	61.4	0.5	0.8%
3.7%	60.7	61.0	0.3	0.4%
4.9%	59.5	57.9	-1.6	-2.7%
6.2%	58.2	57.9	-0.3	-0.5%
7.4%	57.8	57.3	0.0	0.1%
8.6%	57.6	57.5	-0.1	-0.2%
9.9%	57.5	57.3	-0.2	-0.3%
11.1%	57.0	57.1	0.1	0.1%
12.3%	57.0	57.1	0.1	0.2%
13.6%	56.9	57.0	0.1	0.1%
14.8%	56.9	57.0	0.1	0.2%
16.0%	56.8	56.9	0.1	0.2%
17.3%	56.7	56.9	0.2	0.4%
18.5%	56.6	56.9	0.2	0.4%
19.8%	56.6	56.7	0.1	0.2%
21.0%	56.6	56.7	0.1	0.2%
22.2%	56.5	56.6	0.1	0.2%
23.5%	56.4	56.5	0.1	0.2%
24.7%	56.4	56.4	0.1	0.1%
25.9%	56.4	56.4	0.1	0.1%
27.2%	56.1	56.4	0.3	0.5%
28.4%	56.1	56.4	0.2	0.4%
29.6%	56.1	56.3	0.1	0.3%
30.9%	56.0	56.2	0.2	0.3%
32.1%	56.0	56.1	0.1	0.2%
33.3%	55.9	56.1	0.2	0.4%
34.6%	55.9	56.1	0.2	0.4%
35.8%	55.8	56.0	0.2	0.4%
37.0%	55.8	56.0	0.2	0.4%
38.3%	55.8	56.0	0.2	0.4%
39.5%	55.8	56.0	0.2	0.4%
40.7%	55.8	55.9	0.1	0.2%
42.0%	55.8	55.9	0.1	0.2%
43.2%	55.8	55.9	0.1	0.2%
44.4%	55.7	55.8	0.1	0.1%
45.7%	55.7	55.7	0.0	-0.1%
46.9%	55.7	55.6	0.0	-0.1%
48.1%	55.7	55.6	-0.1	-0.1%
49.4%	55.6	55.6	0.0	-0.1%
50.6%	55.6	55.6	0.0	0.0%
51.9%	55.6	55.4	-0.1	-0.2%
53.1%	55.5	55.4	-0.1	-0.1%
54.3%	55.4	55.4	0.0	0.0%
55.6%	55.4	55.4	0.0	-0.1%
56.8%	55.4	55.3	-0.1	-0.1%
58.0%	55.4	55.3	-0.1	-0.1%
59.3%	55.3	55.3	-0.1	-0.1%
60.5%	55.4	55.3	-0.1	-0.1%
61.7%	55.3	55.3	-0.1	-0.1%
63.0%	55.3	55.2	-0.1	-0.2%
64.2%	55.3	55.2	-0.1	-0.3%
65.4%	55.3	55.2	-0.1	-0.2%
66.7%	55.3	55.1	-0.1	-0.2%
67.9%	55.2	55.1	-0.1	-0.3%
69.1%	55.2	55.1	-0.1	-0.2%
70.4%	55.1	55.0	0.0	-0.1%
71.6%	55.0	55.0	0.0	0.0%
72.8%	55.0	55.0	0.0	0.0%
74.1%	55.0	55.0	0.0	0.0%
75.3%	55.0	55.0	0.0	0.1%
76.5%	54.9	54.9	0.0	0.1%
77.8%	54.9	54.9	0.1	0.1%
79.0%	54.9	54.9	0.1	0.1%
80.2%	54.8	54.9	0.1	0.1%
81.5%	54.8	54.9	0.1	0.1%
82.7%	54.8	54.9	0.1	0.2%
84.0%	54.7	54.8	0.1	0.2%
85.2%	54.7	54.7	0.0	0.1%
86.4%	54.7	54.7	0.0	0.0%
87.7%	54.6	54.4	-0.2	-0.4%
88.9%	54.6	54.4	-0.2	-0.4%
90.1%	54.6	54.4	-0.2	-0.3%
91.4%	54.6	54.3	-0.2	-0.4%
92.6%	54.5	54.2	-0.3	-0.6%
93.8%	54.5	54.0	-0.5	-0.8%
95.1%	54.3	53.5	-0.9	-1.6%
96.3%	54.2	53.4	-0.7	-1.4%
97.5%	54.0	53.3	-0.8	-1.4%
98.8%	53.9	53.2	-0.7	-1.3%
100.0%	53.9	53.2	-0.7	-1.3%

November				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.1	56.4	0.3	0.5%
1.2%	55.9	55.9	-0.1	-0.1%
2.5%	55.9	55.8	-0.1	-0.1%
3.7%	55.8	55.8	0.0	-0.1%
4.9%	55.8	55.8	0.0	0.0%
6.2%	55.7	55.7	0.0	0.0%
7.4%	55.6	55.6	0.1	0.1%
8.6%	55.4	55.5	0.1	0.2%
9.9%	55.4	55.5	0.1	0.2%
11.1%	55.3	55.2	0.0	-0.1%
12.3%	55.2	55.2	0.0	-0.1%
13.6%	55.2	55.1	0.0	-0.1%
14.8%	55.1	55.1	0.0	0.0%
16.0%	54.9	55.0	0.0	0.0%
17.3%	54.9	54.9	0.0	-0.1%
18.5%	54.9	54.9	-0.1	-0.1%
19.8%	54.8	54.9	0.0	0.0%
21.0%	54.8	54.8	0.0	0.0%
22.2%	54.7	54.8	0.1	0.1%
23.5%	54.7	54.7	0.0	0.1%
24.7%	54.6	54.7	0.0	0.1%
25.9%	54.6	54.7	0.1	0.2%
27.2%	54.5	54.6	0.1	0.1%
28.4%	54.4	54.6	0.2	0.4%
29.6%	54.3	54.5	0.2	0.4%
30.9%	54.3	54.5	0.2	0.4%
32.1%	54.2	54.5	0.2	0.4%
33.3%	54.2	54.5	0.2	0.4%
34.6%	54.2	54.4	0.2	0.5%
35.8%	54.2	54.4	0.2	0.4%
37.0%	54.2	54.3	0.1	0.2%
38.3%	54.2	54.2	0.0	0.1%
39.5%	54.1	54.2	0.1	0.2%
40.7%	54.1	54.1	0.0	0.0%
42.0%	53.9	54.0	0.1	0.2%
43.2%	53.9	54.0	0.1	0.2%
44.4%	53.8	53.9	0.0	0.1%
45.7%	53.8	53.9	0.1	0.1%
46.9%	53.8	53.9	0.1	0.1%
48.1%	53.8	53.8	0.0	-0.1%
49.4%	53.6	53.7	0.1	0.1%
50.6%	53.6	53.6	-0.1	-0.1%
51.9%	53.6	53.5	-0.1	-0.3%
53.1%	53.6	53.4	-0.2	-0.3%
54.3%	53.6	53.2	-0.3	-0.6%
55.6%	53.5	53.1	-0.4	-0.8%
56.8%	53.5	53.1	-0.4	-0.8%
58.0%	53.4	53.0	-0.4	-0.8%
59.3%	53.1	53.0	-0.1	-0.2%
60.5%	53.1	53.0	-0.1	-0.2%
61.7%	53.1	52.9	-0.2	-0.3%
63.0%	53.1	52.8	-0.2	-0.4%
64.2%	53.0	52.8	-0.2	-0.4%
65.4%	52.9	52.8	-0.1	-0.2%
66.7%	52.8	52.8	0.0	0.1%
67.9%	52.7	52.7	0.0	0.0%
69.1%	52.7	52.7	0.0	-0.1%
70.4%	52.7	52.7	0.0	0.0%
71.6%	52.7	52.7	0.0	0.0%
72.8%	52.7	52.6	0.0	-0.1%
74.1%	52.6	52.6	0.0	0.0%
75.3%	52.6	52.6	0.0	0.1%
76.5%	52.5	52.6	0.1	0.1%
77.8%	52.5	52.5	0.0	0.0%
79.0%	52.4	52.5	0.1	0.1%
80.2%	52.4	52.5	0.1	0.1%
81.5%	52.4	52.4	-0.1	-0.1%
82.7%	52.4	52.3	-0.2	-0.3%
84.0%	52.3	52.3	0.0	0.0%
85.2%	52.3	52.3	0.0	0.0%
86.4%	52.2	52.2	-0.1	-0.1%
87.7%	52.2	52.0	-0.2	-0.3%
88.9%	51.8	52.0	0.2	0.4%
90.1%	51.8	52.0	0.4	0.7%
91.4%	51.5	52.0	0.4	0.8%
92.6%	51.5	51.8	0.3	0.5%
93.8%	51.5	51.7	0.1	0.3%
95.1%	51.4	51.7	0.3	0.5%
96.3%	51.3	51.5	0.2	0.4%
97.5%	51.2	51.0	-0.2	-0.4%
98.8%	50.8	50.9	0.1	0.1%
100.0%	50.8	50.9	0.1	0.1%

December				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.2	53.4	0.2	0.4%
1.2%	52.1	51.8	-0.3	-0.6%
2.5%	51.8	51.6	-0.2	-0.4%
3.7%	51.8	51.5	-0.2	-0.5%
4.9%	51.0	51.0	0.0	0.1%
6.2%	50.8	50.8	0.0	-0.1%
7.4%	50.9	50.9	-0.1	-0.1%
8.6%	50.8	50.6	-0.2	-0.5%
9.9%	50.7	50.6	-0.1	-0.2%
11.1%	50.7	50.6	-0.1	-0.2%
12.3%	50.5	50.5	0.0	0.0%
13.6%	50.4	50.5	0.1	0.1%
14.8%	50.2	50.4	0.2	0.4%
16.0%	50.2	50.3	0.1	0.2%
17.3%	50.1	50.3	0.1	0.3%
18.5%	50.1	50.1	0.1	0.1%
19.8%	50.0	50.1	0.1	0.3%
21.0%	49.9	50.0	0.1	0.2%
22.2%	49.9	50.1	0.1	0.2%
23.5%	49.9	50.0	0.1	0.3%
24.7%	49.9	49.9	0.0	-0.1%
25.9%	49.9	49.7	-0.2	-0.3%
27.2%	49.7	49.7	0.0	0.0%
28.4%	49.6	49.6	-0.1	-0.1%
29.6%	49.6	49.5	0.0	-0.1%
30.9%	49.4	49.3	0.0	-0.1%
32.1%	49.4	49.3	-0.1	-0.1%
33.3%	49.1	49.3	0.1	0.3%
34.6%	49.1	49.2	0.1	0.1%
35.8%	49.1	49.2	0.1	0.2%
37.0%	49.0	49.1	0.1	0.3%
38.3%	48.9	49.1	0.2	0.4%
39.5%	48.9	49.1	0.2	0.4%
40.7%	48.9	49.0	0.1	0.3%
42.0%	48.9	49.0	0.1	0.3%
43.2%	48.8	49.0	0.1	0.3%
44.4%	48.7	49.0	0.3	0.6%
45.7%	48.7	48.9	0.2	0.5%
46.9%	48.6	48.8	0.2	0.4%
48.1%	48.6	48.8	0.2	0.4%
49.4%	48.6	48.8	0.2	0.4%
50.6%	48.5	48.6	0.2	0.5%
51.9%	48.5	48.7	0.2	0.5%
53.1%	48.5	48.7	0.2	0.5%
54.3%	48.4	48.7	0.2	0.5%
55.6%	48.4	48.7	0.2	0.5%
56.8%	48.4	48.7	0.2	0.5%
58.0%	48.4	48.6	0.2	0.4%
59.3%	48.4	48.6	0.2	0.5%
60.5%	48.4	48.6	0.2	0.4%
61.7%	48.4	48.5	0.1	0.2%
63.0%	48.3	48.4	0.1	0.2%
64.2%	48.3	48.4	0.1	0.2%
65.4%	48.3	48.4	0.1	0.3%
66.7%	48.3	48.4	0.2	0.3%
67.9%	48.3	48.4	0.2	0.3%
69.1%	48.1	48.4	0.3	0.6%
70.4%	48.3	48.3	0.3	0.7%
71.6%	47.9	48.3	0.4	0.8%
72.8%	47.9	48.2	0.3	0.6%
74.1%	47.7	48.1	0.4	0.7%
75.3%	47.7	47.9	0.2	0.5%
76.5%	47.6	47.8	0.1	0.3%
77.8%	47.6	47.8	0.2	0.3%
79.0%	47.6	47.8	0.2	0.4%
80.2%	47.6	47.7	0.2	0.3%
81.5%	47.6	47.7	0.1	0.2%
82.7%	47.6	47.6	0.1	0.2%
84.0%	47.4	47.6	0.2	0.4%
85.2%	47.4	47.6	0.2	0.4%
86.4%	47.2	47.4	0.1	0.2%
87.7%	47.2	47.3	0.1	0.2%
88.9%	47.2	47.3	0.1	0.3%
90.1%	47.1	47.3	0.2	0.3%
91.4%	47.1	47.3	0.2	0.4%
92.6%	47.0	47.3	0.3	0.7%
93.8%	46.9	47.1	0.2	0.5%
95.1%	46.9	47.1	0.2	0.4%
96.3%	46.9	47.0	0.1	0.1%
97.5%	46.7	46.9	0.2	0.5%
98.8%	46.4	46.9	0.5	1.0%
100.0%	46.4	46.9	0.5	1.0%

January				
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)			

Table SQ5-1b  
Sacramento River at Jellies Ferry, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	50.4	50.6	0.2	0.3%	
1.2%	49.8	49.8	0.0	0.0%	
2.5%	49.2	49.2	0.0	-0.1%	
3.7%	49.0	49.0	0.0	0.0%	
4.9%	48.6	48.6	0.1	0.1%	
6.2%	48.4	48.6	0.1	0.3%	
7.4%	48.3	48.3	0.1	0.1%	
8.6%	48.2	48.3	0.1	0.2%	
9.9%	48.1	48.2	0.1	0.1%	
11.1%	48.1	48.2	0.1	0.2%	
12.3%	48.1	48.2	0.1	0.3%	
13.6%	48.0	48.2	0.1	0.3%	
14.8%	48.0	48.0	0.0	0.0%	
16.0%	48.0	48.0	0.0	0.1%	
17.3%	48.0	48.0	0.0	0.0%	
18.5%	47.9	47.9	0.0	0.0%	
19.8%	47.8	47.8	0.0	0.0%	
21.0%	47.7	47.8	0.1	0.3%	
22.2%	47.6	47.8	0.2	0.5%	
23.5%	47.6	47.8	0.2	0.4%	
24.7%	47.5	47.6	0.0	0.0%	
25.9%	47.5	47.5	0.0	0.0%	
27.2%	47.5	47.5	0.0	0.0%	
28.4%	47.5	47.5	0.0	0.1%	
29.6%	47.5	47.5	0.0	0.0%	
30.9%	47.4	47.4	0.0	0.0%	
32.1%	47.4	47.4	0.0	0.0%	
33.3%	47.3	47.4	0.1	0.1%	
34.6%	47.2	47.2	0.0	0.0%	
35.8%	47.2	47.2	0.0	0.0%	
37.0%	47.2	47.2	0.0	0.1%	
38.3%	47.0	47.2	0.2	0.3%	
39.5%	47.0	47.1	0.1	0.2%	
40.7%	47.0	47.1	0.1	0.2%	
42.0%	47.0	47.0	0.0	0.1%	
43.2%	47.0	47.0	0.0	0.1%	
44.4%	47.0	47.0	0.0	0.1%	
45.7%	46.9	47.0	0.0	0.1%	
46.9%	46.9	47.0	0.1	0.2%	
48.1%	46.9	46.9	0.0	-0.1%	
49.4%	46.9	46.9	0.0	0.0%	
50.6%	46.8	46.8	0.0	-0.1%	
51.9%	46.8	46.8	0.0	-0.1%	
53.1%	46.8	46.8	0.0	-0.1%	
54.3%	46.7	46.8	0.0	0.0%	
55.6%	46.7	46.7	0.0	0.0%	
56.8%	46.7	46.7	0.0	0.0%	
58.0%	46.7	46.7	0.0	0.0%	
59.3%	46.6	46.6	0.0	0.0%	
60.5%	46.5	46.5	0.0	0.1%	
61.7%	46.4	46.5	0.0	0.1%	
63.0%	46.4	46.4	0.0	0.0%	
64.2%	46.2	46.2	0.0	0.0%	
65.4%	46.1	46.1	0.0	0.0%	
66.7%	46.0	46.1	0.0	0.1%	
67.9%	46.0	46.0	0.0	-0.1%	
69.1%	46.0	46.0	0.0	-0.1%	
70.4%	45.9	46.0	0.0	0.0%	
71.6%	45.9	45.9	0.0	0.1%	
72.8%	45.9	45.9	0.0	0.0%	
74.1%	45.9	45.9	0.0	0.0%	
75.3%	45.8	45.9	0.0	0.1%	
76.5%	45.8	45.9	0.1	0.1%	
77.8%	45.8	45.8	0.0	0.0%	
79.0%	45.7	45.8	0.1	0.2%	
80.2%	45.7	45.7	0.0	0.1%	
81.5%	45.7	45.6	0.0	0.0%	
82.7%	45.6	45.6	0.0	0.1%	
84.0%	45.6	45.6	0.0	0.0%	
85.2%	45.6	45.6	0.0	0.0%	
86.4%	45.6	45.6	0.0	0.0%	
87.7%	45.4	45.5	0.1	0.2%	
88.9%	45.4	45.5	0.1	0.3%	
90.1%	45.4	45.4	0.0	0.1%	
91.4%	45.3	45.4	0.1	0.2%	
92.6%	45.2	45.4	0.2	0.4%	
93.8%	45.2	45.3	0.1	0.3%	
95.1%	45.2	45.2	0.1	0.2%	
96.3%	45.1	45.1	0.0	0.0%	
97.5%	45.1	45.1	0.0	0.0%	
98.8%	44.9	44.8	-0.1	-0.2%	
100.0%	44.9	44.8	-0.1	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.2	52.1	0.1	0.2%	
1.2%	52.0	52.1	0.1	0.2%	
2.5%	51.8	51.8	0.0	-0.1%	
3.7%	51.6	51.7	0.0	0.1%	
4.9%	51.6	51.7	0.1	0.1%	
6.2%	51.6	51.4	-0.2	-0.3%	
7.4%	51.3	51.4	0.1	-0.1%	
8.6%	51.2	51.0	-0.2	-0.3%	
9.9%	50.9	50.9	0.0	-0.1%	
11.1%	50.9	50.9	0.0	-0.1%	
12.3%	50.8	50.8	0.1	0.1%	
13.6%	50.7	50.8	0.0	0.1%	
14.8%	50.6	50.7	0.1	0.2%	
16.0%	50.6	50.6	0.1	0.1%	
17.3%	50.6	50.6	0.0	0.1%	
18.5%	50.5	50.6	0.1	0.1%	
19.8%	50.3	50.6	0.2	0.4%	
21.0%	50.3	50.5	0.2	0.3%	
22.2%	50.3	50.4	0.0	0.1%	
23.5%	50.3	50.4	0.1	0.1%	
24.7%	50.3	50.3	0.0	0.1%	
25.9%	50.3	50.3	0.1	0.1%	
27.2%	50.3	50.3	0.1	0.1%	
28.4%	50.2	50.3	0.1	0.1%	
29.6%	50.2	50.3	0.0	0.0%	
30.9%	50.2	50.2	0.0	0.1%	
32.1%	50.2	50.2	0.0	0.0%	
33.3%	50.1	50.2	0.1	0.2%	
34.6%	50.1	50.2	0.1	0.2%	
35.8%	50.0	50.2	0.1	0.3%	
37.0%	50.0	50.1	0.1	0.3%	
38.3%	49.9	50.0	0.1	0.1%	
39.5%	49.9	49.9	0.0	0.1%	
40.7%	49.8	49.8	0.1	0.1%	
42.0%	49.7	49.8	0.1	0.2%	
43.2%	49.6	49.8	0.2	0.4%	
44.4%	49.6	49.8	0.2	0.4%	
45.7%	49.5	49.7	0.2	0.4%	
46.9%	49.4	49.6	0.2	0.4%	
48.1%	49.3	49.4	0.2	0.4%	
49.4%	49.2	49.4	0.1	0.3%	
50.6%	49.2	49.2	0.0	0.1%	
51.9%	49.1	49.2	0.1	0.1%	
53.1%	49.1	49.1	0.0	0.1%	
54.3%	49.0	49.1	0.0	0.1%	
55.6%	49.0	49.0	0.0	0.0%	
56.8%	48.9	48.9	0.0	0.0%	
58.0%	48.9	48.9	0.0	0.0%	
59.3%	48.9	48.9	0.0	0.0%	
60.5%	48.9	48.9	0.0	0.1%	
61.7%	48.8	48.8	0.1	0.2%	
63.0%	48.7	48.7	0.0	0.0%	
64.2%	48.7	48.7	0.0	0.0%	
65.4%	48.6	48.6	0.0	0.0%	
66.7%	48.5	48.6	0.0	0.0%	
67.9%	48.4	48.5	0.2	0.3%	
69.1%	48.3	48.3	0.0	0.0%	
70.4%	48.3	48.3	0.0	0.0%	
71.6%	48.2	48.1	0.0	-0.1%	
72.8%	48.0	48.0	0.0	0.0%	
74.1%	47.9	48.0	0.1	0.3%	
75.3%	47.8	47.8	0.0	0.0%	
76.5%	47.8	47.8	0.0	0.0%	
77.8%	47.8	47.7	0.0	-0.1%	
79.0%	47.7	47.7	0.0	0.0%	
80.2%	47.6	47.7	0.1	0.2%	
81.5%	47.6	47.5	-0.1	-0.1%	
82.7%	47.4	47.3	-0.1	-0.2%	
84.0%	47.3	47.3	0.0	0.0%	
85.2%	47.2	47.3	0.0	0.1%	
86.4%	47.2	47.2	0.0	0.0%	
87.7%	47.2	47.2	0.0	0.0%	
88.9%	47.1	47.1	0.1	0.1%	
90.1%	47.0	47.0	0.1	0.2%	
91.4%	46.9	46.9	0.0	0.0%	
92.6%	46.9	46.9	0.0	0.1%	
93.8%	46.9	46.8	0.0	-0.1%	
95.1%	46.8	46.8	0.0	0.0%	
96.3%	46.3	46.7	0.4	0.9%	
97.5%	46.3	46.7	0.4	1.0%	
98.8%	46.2	46.2	0.0	0.0%	
100.0%	46.2	46.2	0.0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.6	55.5	-0.1	-0.1%	
1.2%	56.4	55.5	-0.1	0.2%	
2.5%	56.3	55.0	-0.3	-0.6%	
3.7%	54.7	54.6	-0.1	-0.3%	
4.9%	54.5	54.5	0.0	-0.1%	
6.2%	54.5	54.3	-0.1	-0.3%	
7.4%	54.4	54.2	-0.1	-0.4%	
8.6%	54.3	53.9	-0.4	-0.8%	
9.9%	54.2	53.8	-0.4	-0.7%	
11.1%	53.9	53.7	-0.2	-0.4%	
12.3%	53.7	53.7	0.0	0.0%	
13.6%	53.5	53.6	0.1	0.1%	
14.8%	53.5	53.5	0.0	0.0%	
16.0%	53.4	53.5	0.0	0.0%	
17.3%	53.4	53.3	-0.1	-0.2%	
18.5%	53.3	53.3	0.0	0.0%	
19.8%	53.2	53.3	0.1	0.2%	
21.0%	53.1	53.2	0.1	0.2%	
22.2%	53.1	53.2	0.1	0.2%	
23.5%	53.0	53.2	0.1	0.3%	
24.7%	53.0	53.1	0.2	0.3%	
25.9%	52.9	53.1	0.2	0.3%	
27.2%	52.9	53.1	0.2	0.4%	
28.4%	52.8	52.9	0.1	0.3%	
29.6%	52.7	52.9	0.2	0.4%	
30.9%	52.6	52.9	0.3	0.5%	
32.1%	52.5	52.8	0.3	0.6%	
33.3%	52.5	52.8	0.3	0.6%	
34.6%	52.4	52.8	0.3	0.6%	
35.8%	52.3	52.8	0.4	0.7%	
37.0%	52.3	52.7	0.4	0.7%	
38.3%	52.3	52.6	0.3	0.6%	
39.5%	52.2	52.4	0.2	0.4%	
40.7%	52.2	52.4	0.2	0.4%	
42.0%	52.2	52.4	0.2	0.4%	
43.2%	52.2	52.4	0.2	0.4%	
44.4%	52.2	52.4	0.2	0.4%	
45.7%	52.1	52.4	0.2	0.5%	
46.9%	52.1	52.3	0.2	0.5%	
48.1%	52.1	52.3	0.2	0.4%	
49.4%	52.1	52.3	0.2	0.4%	
50.6%	52.1	52.2	0.2	0.4%	
51.9%	52.1	52.2	0.2	0.3%	
53.1%	52.0	52.2	0.2	0.3%	
54.3%	52.0	52.2	0.2	0.4%	
55.6%	51.9	52.1	0.1	0.2%	
56.8%	51.9	52.1	0.1	0.2%	
58.0%	51.9	52.0	0.1	0.2%	
59.3%	51.9	52.0	0.2	0.3%	
60.5%	51.8	52.0	0.2	0.4%	
61.7%	51.8	51.9	0.1	0.3%	
63.0%	51.8	51.8	0.0	0.1%	
64.2%	51.7	51.8	0.1	0.2%	
65.4%	51.7	51.8	0.1	0.2%	
66.7%	51.5	51.7	0.2	0.4%	
67.9%	51.4	51.5	0.1	0.3%	
69.1%	51.3	51.5	0.2	0.3%	
70.4%	51.1	51.5	0.4	0.7%	
71.6%	51.1	51.4	0.3	0.7%	
72.8%	51.1	51.4	0.3	0.6%	
74.1%	51.0	51.3	0.3	0.7%	
75.3%	51.0	51.3	0.3	0.6%	
76.5%	50.8	51.0	0.2	0.5%	
77.8%	50.8	51.0	0.2	0.3%	
79.0%	50.8	50.9	0.1		

Table SQ5-1b  
Sacramento River at Jellies Ferry, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.3	58.3	0.0	0.0%	
1.2%	58.2	58.1	-0.1	-0.2%	
2.5%	58.1	57.7	-0.3	-0.6%	
3.7%	57.7	57.7	0.0	-0.1%	
4.9%	57.5	57.4	-0.1	-0.2%	
6.2%	56.9	57.4	0.4	0.7%	
7.4%	56.8	56.8	0.0	0.0%	
8.6%	56.8	56.7	0.0	-0.1%	
9.9%	56.4	56.2	-0.2	-0.3%	
11.1%	56.3	56.2	-0.1	-0.2%	
12.3%	56.3	56.1	-0.2	-0.3%	
13.6%	56.3	56.0	-0.2	-0.4%	
14.8%	56.0	55.9	-0.1	-0.1%	
16.0%	55.7	55.9	0.2	0.3%	
17.3%	55.7	55.8	0.1	0.2%	
18.5%	55.6	55.7	0.1	0.1%	
19.8%	55.5	55.7	0.1	0.3%	
21.0%	55.5	55.6	0.2	0.3%	
22.2%	55.5	55.6	0.2	0.3%	
23.5%	55.4	55.6	0.2	0.4%	
24.7%	55.4	55.5	0.1	0.2%	
25.9%	55.3	55.4	0.1	0.2%	
27.2%	55.3	55.4	0.1	0.3%	
28.4%	55.2	55.4	0.2	0.4%	
29.6%	55.2	55.4	0.2	0.4%	
30.9%	55.2	55.4	0.2	0.4%	
32.1%	55.1	55.4	0.3	0.5%	
33.3%	55.0	55.4	0.3	0.6%	
34.6%	54.9	55.4	0.4	0.8%	
35.8%	54.9	55.4	0.5	0.9%	
37.0%	54.9	55.4	0.5	0.9%	
38.3%	54.8	55.4	0.6	1.1%	
39.5%	54.8	55.1	0.4	0.7%	
40.7%	54.7	55.1	0.4	0.7%	
42.0%	54.7	55.1	0.4	0.7%	
43.2%	54.6	55.1	0.5	0.9%	
44.4%	54.5	55.0	0.5	1.0%	
45.7%	54.5	55.0	0.5	1.0%	
46.9%	54.4	55.0	0.5	1.0%	
48.1%	54.4	54.9	0.5	1.0%	
49.4%	54.4	54.9	0.5	1.0%	
50.6%	54.3	54.9	0.6	1.1%	
51.9%	54.2	54.9	0.7	1.3%	
53.1%	54.1	54.9	0.8	1.4%	
54.3%	54.1	54.8	0.7	1.3%	
55.6%	54.1	54.7	0.6	1.1%	
56.8%	54.1	54.7	0.6	1.1%	
58.0%	53.9	54.6	0.7	1.2%	
59.3%	53.9	54.6	0.7	1.2%	
60.5%	53.9	54.6	0.7	1.3%	
61.7%	53.9	54.6	0.7	1.3%	
63.0%	53.9	54.6	0.7	1.3%	
64.2%	53.8	54.3	0.5	0.9%	
65.4%	53.8	54.3	0.5	0.9%	
66.7%	53.7	54.3	0.5	1.0%	
67.9%	53.7	54.3	0.5	1.0%	
69.1%	53.7	54.3	0.6	1.1%	
70.4%	53.7	54.3	0.6	1.1%	
71.6%	53.7	54.2	0.6	1.0%	
72.8%	53.6	54.2	0.6	1.1%	
74.1%	53.6	54.2	0.6	1.0%	
75.3%	53.6	54.1	0.5	1.0%	
76.5%	53.6	54.1	0.5	1.0%	
77.8%	53.5	54.1	0.6	1.1%	
79.0%	53.4	54.0	0.5	1.0%	
80.2%	53.4	54.0	0.6	1.1%	
81.5%	53.3	53.9	0.6	1.1%	
82.7%	53.3	53.8	0.5	0.9%	
84.0%	53.3	53.8	0.5	1.0%	
85.2%	53.3	53.8	0.5	0.9%	
86.4%	53.3	53.7	0.4	0.8%	
87.7%	53.3	53.7	0.4	0.8%	
88.9%	53.2	53.6	0.4	0.8%	
90.1%	53.0	53.6	0.6	1.1%	
91.4%	53.0	53.5	0.5	1.0%	
92.6%	52.9	53.5	0.6	1.1%	
93.8%	52.9	53.4	0.5	1.0%	
95.1%	52.7	53.3	0.6	1.1%	
96.3%	52.3	53.3	1.0	1.9%	
97.5%	52.3	53.1	0.8	1.5%	
98.8%	52.2	53.1	0.9	1.7%	
100.0%	52.2	53.1	0.9	1.7%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	59.6	58.0	-1.6	-2.6%	
1.2%	58.9	57.9	-0.9	-1.6%	
2.5%	58.4	57.9	-0.5	-0.9%	
3.7%	58.1	57.7	-0.4	-0.6%	
4.9%	58.1	57.5	-0.6	-1.0%	
6.2%	58.0	57.4	-0.6	-1.0%	
7.4%	57.9	57.2	-0.7	-1.2%	
8.6%	57.5	57.2	-0.3	-0.5%	
9.9%	57.5	56.8	-0.7	-1.2%	
11.1%	57.4	56.7	-0.7	-1.2%	
12.3%	56.9	56.7	-0.2	-0.3%	
13.6%	56.9	56.7	-0.2	-0.4%	
14.8%	56.9	56.7	-0.2	-0.3%	
16.0%	56.8	56.3	-0.5	-0.9%	
17.3%	56.8	56.3	-0.5	-0.9%	
18.5%	56.5	56.1	-0.4	-0.7%	
19.8%	56.4	56.1	-0.3	-0.5%	
21.0%	56.2	56.1	-0.1	-0.1%	
22.2%	56.1	56.0	-0.1	-0.2%	
23.5%	56.1	56.0	-0.1	-0.2%	
24.7%	56.0	55.9	-0.2	-0.3%	
25.9%	55.8	55.8	0.0	-0.1%	
27.2%	55.8	55.3	-0.5	-0.9%	
28.4%	55.4	55.3	-0.1	-0.2%	
29.6%	55.8	55.6	-0.1	-0.3%	
30.9%	55.7	55.6	-0.1	-0.2%	
32.1%	55.7	55.6	-0.1	-0.2%	
33.3%	55.6	55.5	-0.2	-0.3%	
34.6%	55.6	55.4	-0.2	-0.3%	
35.8%	55.6	55.3	-0.3	-0.5%	
37.0%	55.5	55.3	-0.2	-0.4%	
38.3%	55.2	55.3	0.0	0.0%	
39.5%	55.2	55.2	0.0	0.1%	
40.7%	55.1	55.1	0.0	-0.1%	
42.0%	55.1	55.1	0.0	-0.1%	
43.2%	55.1	55.0	0.0	-0.1%	
44.4%	55.0	55.0	0.0	0.0%	
45.7%	55.0	55.0	0.0	0.0%	
46.9%	54.9	55.0	0.0	0.0%	
48.1%	54.9	54.9	0.0	0.1%	
49.4%	54.9	54.8	0.0	0.0%	
50.6%	54.8	54.8	0.0	0.0%	
51.9%	54.8	54.8	0.0	0.0%	
53.1%	54.8	54.8	0.0	0.1%	
54.3%	54.7	54.8	0.0	0.0%	
55.6%	54.7	54.7	0.0	0.0%	
56.8%	54.7	54.7	0.0	0.0%	
58.0%	54.5	54.6	0.2	0.3%	
59.3%	54.4	54.4	0.1	0.3%	
60.5%	54.4	54.5	0.1	0.2%	
61.7%	54.3	54.5	0.1	0.2%	
63.0%	54.3	54.5	0.1	0.2%	
64.2%	54.3	54.4	0.1	0.2%	
65.4%	54.3	54.4	0.1	0.2%	
66.7%	54.2	54.4	0.2	0.3%	
67.9%	54.2	54.3	0.1	0.2%	
69.1%	54.2	54.3	0.1	0.2%	
70.4%	54.2	54.3	0.1	0.2%	
71.6%	54.1	54.2	0.1	0.2%	
72.8%	54.1	54.2	0.1	0.2%	
74.1%	54.0	54.2	0.2	0.3%	
75.3%	54.0	54.1	0.1	0.1%	
76.5%	54.0	54.0	0.1	0.1%	
77.8%	53.9	54.0	0.1	0.1%	
79.0%	53.9	53.9	0.1	0.1%	
80.2%	53.9	53.9	0.1	0.1%	
81.5%	53.9	53.8	0.0	0.0%	
82.7%	53.8	53.7	-0.1	-0.2%	
84.0%	53.8	53.7	-0.1	-0.1%	
85.2%	53.8	53.7	-0.0	0.0%	
86.4%	53.7	53.6	-0.1	-0.2%	
87.7%	53.6	53.5	0.0	0.0%	
88.9%	53.4	53.5	0.1	0.2%	
90.1%	53.4	53.4	0.0	0.2%	
91.4%	53.1	53.2	0.1	0.1%	
92.6%	52.9	53.2	0.3	0.6%	
93.8%	52.9	53.1	0.2	0.3%	
95.1%	52.8	53.0	0.2	0.4%	
96.3%	52.8	53.0	0.2	0.4%	
97.5%	52.8	52.8	0.0	0.1%	
98.8%	52.7	52.8	0.1	0.1%	
100.0%	52.7	52.8	0.1	0.1%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.5	64.8	-4.8	-7.5%	
1.2%	60.9	57.9	-3.0	-4.9%	
2.5%	60.3	57.9	-2.4	-4.0%	
3.7%	59.3	57.8	-1.5	-2.5%	
4.9%	59.1	57.8	-1.3	-2.2%	
6.2%	59.1	57.8	-1.3	-2.2%	
7.4%	59.0	57.8	-1.3	-2.2%	
8.6%	58.5	57.7	-0.7	-1.3%	
9.9%	58.4	57.7	-0.7	-1.3%	
11.1%	58.2	57.6	-0.7	-1.1%	
12.3%	58.1	57.5	-0.6	-1.1%	
13.6%	57.9	57.4	-0.6	-1.0%	
14.8%	57.8	57.3	-0.5	-0.9%	
16.0%	57.4	57.2	-0.2	-0.4%	
17.3%	57.4	57.2	-0.2	-0.3%	
18.5%	57.3	57.0	-0.2	-0.4%	
19.8%	57.2	56.9	-0.2	-0.4%	
21.0%	57.1	56.9	-0.2	-0.4%	
22.2%	57.0	56.9	-0.1	-0.2%	
23.5%	56.9	56.8	-0.1	-0.2%	
24.7%	56.9	56.8	-0.1	-0.2%	
25.9%	56.9	56.8	-0.1	-0.2%	
27.2%	56.7	56.7	0.0	0.0%	
28.4%	56.7	56.6	-0.1	-0.1%	
29.6%	56.7	56.3	-0.5	-0.8%	
30.9%	56.7	56.6	-0.1	-0.2%	
32.1%	56.7	56.1	-0.6	-1.1%	
33.3%	56.6	56.1	-0.6	-1.0%	
34.6%	56.6	56.1	-0.5	-0.9%	
35.8%	56.6	56.0	-0.5	-1.0%	
37.0%	56.5	56.0	-0.5	-0.9%	
38.3%	56.5	56.0	-0.5	-0.9%	
39.5%	56.5	55.9	-0.5	-0.9%	
40.7%	56.4	55.9	-0.5	-1.0%	
42.0%	56.3	55.9	-0.4	-0.8%	
43.2%	56.2	55.9	-0.3	-0.6%	
44.4%	56.2	55.9	-0.3	-0.6%	
45.7%	56.2	55.9	-0.4	-0.6%	
46.9%	56.1	55.9	-0.3	-0.5%	
48.1%	56.0	55.9	-0.2	-0.3%	
49.4%	56.0	55.8	-0.2	-0.3%	
50.6%	55.9	55.8	-0.1	-0.2%	
51.9%	55.9	55.8	-0.2	-0.3%	
53.1%	55.9	55.7	-0.2	-0.3%	
54.3%	55.8	55.6	-0.2	-0.3%	
55.6%	55.8	55.6	-0.2	-0.3%	
56.8%	55.7	55.5	-0.2	-0.4%	
58.0%	55.7	55.5	-0.2	-0.4%	
59.3%	55.6	55.4	-0.2	-0.3%	
60.5%	55.6	55.4	-0.2	-0.4%	
61.7%	55.5	55.4	-0.1	-0.2%	
63.0%	55.4	55.3	-0.1	-0.2%	
64.2%	55.4	55.3	-0.1	-0.2%	
65.4%	55.4	55.2	-0.2	-0.3%	
66.7%	55.3	55.2	-0.2	-0.3%	
67.9%	55.3	55.2	-0.1	-0.2%	
69.1%	55.2	55.2	-0.1	-0.2%	
70.4%	55.2	55.1	-0.1	-0.2%	
71.6%	55.2	55.1	-0.1	-0.2%	
72.8%	55.2	55.1	-0.1	-0.2%	
74.1%	55.2	55.0	-0.1	-0.2%	
75.3%	55.1	55.0	-0.1	-0.2%	
76.5%	55.1	55.0	-0.1	-0.2%	
77.8%	55.1	55.0	-0.1	-0.2%	
79.0%	55.0	55.0	0.0		

Table SQ5-1b  
Sacramento River at Jellys Ferry, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	61.3	59.1	-2.2	-3.5%	
1.2%	60.0	58.4	-1.7	-2.8%	
2.5%	59.4	58.1	-1.3	-2.2%	
3.7%	59.3	57.7	-1.6	-2.7%	
4.9%	59.0	57.7	-1.3	-2.1%	
6.2%	58.6	57.7	-0.9	-1.5%	
7.4%	58.5	57.6	-0.9	-1.6%	
8.6%	57.9	57.5	-0.5	-0.8%	
9.9%	57.6	57.4	-0.1	-0.3%	
11.1%	57.3	57.2	-0.2	-0.3%	
12.3%	57.3	56.9	-0.4	-0.8%	
13.6%	57.3	56.8	-0.6	-1.0%	
14.8%	57.2	56.7	-0.5	-0.9%	
16.0%	57.0	56.6	-0.4	-0.6%	
17.3%	56.9	56.5	-0.4	-0.7%	
18.5%	56.7	56.4	-0.3	-0.5%	
19.8%	56.7	56.4	-0.3	-0.5%	
21.0%	56.5	56.3	-0.2	-0.3%	
22.2%	56.4	56.2	-0.1	-0.3%	
23.5%	56.3	56.2	-0.1	-0.2%	
24.7%	56.3	56.1	-0.2	-0.3%	
25.9%	56.2	56.0	-0.2	-0.3%	
27.2%	56.2	55.9	-0.3	-0.5%	
28.4%	56.0	55.8	-0.2	-0.3%	
29.6%	56.0	55.9	-0.2	-0.3%	
30.9%	56.0	55.8	-0.2	-0.3%	
32.1%	56.0	55.7	-0.3	-0.5%	
33.3%	55.9	55.6	-0.3	-0.5%	
34.6%	55.9	55.6	-0.2	-0.4%	
35.8%	55.8	55.5	-0.2	-0.4%	
37.0%	55.8	55.5	-0.2	-0.4%	
38.3%	55.5	55.5	0.0	0.0%	
39.5%	55.5	55.5	0.0	0.0%	
40.7%	55.5	55.4	-0.1	-0.1%	
42.0%	55.5	55.4	-0.1	-0.2%	
43.2%	55.5	55.3	-0.1	-0.2%	
44.4%	55.4	55.3	-0.1	-0.1%	
45.7%	55.4	55.3	-0.1	-0.2%	
46.9%	55.4	55.2	-0.1	-0.2%	
48.1%	55.3	55.2	-0.1	-0.1%	
49.4%	55.3	55.1	-0.2	-0.3%	
50.6%	55.1	55.0	-0.1	-0.2%	
51.9%	55.1	55.0	-0.1	-0.2%	
53.1%	55.1	54.9	-0.2	-0.3%	
54.3%	55.0	54.9	-0.1	-0.2%	
55.6%	55.0	54.9	-0.2	-0.3%	
56.8%	55.0	54.9	-0.1	-0.3%	
58.0%	55.0	54.8	-0.2	-0.4%	
59.3%	54.9	54.8	-0.1	-0.3%	
60.5%	54.9	54.8	-0.1	-0.2%	
61.7%	54.9	54.7	-0.1	-0.3%	
63.0%	54.8	54.7	-0.1	-0.2%	
64.2%	54.8	54.7	-0.1	-0.2%	
65.4%	54.8	54.7	-0.1	-0.1%	
66.7%	54.8	54.7	-0.1	-0.2%	
67.9%	54.7	54.7	0.0	-0.1%	
69.1%	54.7	54.6	-0.1	-0.1%	
70.4%	54.6	54.6	0.0	0.0%	
71.6%	54.6	54.6	-0.1	-0.1%	
72.8%	54.6	54.5	-0.1	-0.1%	
74.1%	54.6	54.5	0.0	-0.1%	
75.3%	54.5	54.4	0.0	-0.1%	
76.5%	54.4	54.4	0.0	0.0%	
77.8%	54.4	54.4	0.0	0.1%	
79.0%	54.4	54.4	0.0	0.1%	
80.2%	54.3	54.4	0.1	0.1%	
81.5%	54.3	54.4	0.0	0.0%	
82.7%	54.3	54.3	0.0	-0.1%	
84.0%	54.3	54.2	0.0	-0.1%	
85.2%	54.2	54.1	-0.2	-0.3%	
86.4%	54.1	54.0	-0.1	-0.2%	
87.7%	54.0	53.9	-0.1	-0.2%	
88.9%	54.0	53.9	-0.1	-0.2%	
90.1%	53.9	53.8	-0.1	-0.2%	
91.4%	53.8	53.6	-0.2	-0.3%	
92.6%	53.6	53.5	-0.1	-0.2%	
93.8%	53.6	53.5	-0.1	-0.2%	
95.1%	53.5	53.5	0.0	-0.1%	
96.3%	53.4	53.4	0.0	0.1%	
97.5%	53.3	53.3	0.1	0.1%	
98.8%	53.2	53.2	0.0	-0.1%	
100.0%	52.9	53.0	0.1	0.2%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	63.0	60.2	-2.8	-4.5%	
1.2%	61.3	59.1	-2.1	-3.5%	
2.5%	60.7	59.1	-1.6	-2.7%	
3.7%	59.9	58.1	-1.8	-3.0%	
4.9%	59.3	57.9	-1.4	-2.3%	
6.2%	59.2	57.6	-1.6	-2.7%	
7.4%	59.0	57.5	-1.5	-2.5%	
8.6%	58.5	57.5	-1.0	-1.7%	
9.9%	58.3	57.3	-1.0	-1.7%	
11.1%	58.3	57.3	-1.0	-1.7%	
12.3%	58.0	57.3	-0.7	-1.3%	
13.6%	57.8	57.3	-0.6	-1.0%	
14.8%	57.5	57.1	-0.4	-0.7%	
16.0%	57.4	57.0	-0.4	-0.7%	
17.3%	57.4	57.0	-0.4	-0.7%	
18.5%	57.4	56.9	-0.5	-0.9%	
19.8%	57.0	56.8	-0.2	-0.3%	
21.0%	57.0	56.8	-0.2	-0.3%	
22.2%	56.9	56.5	-0.4	-0.7%	
23.5%	56.9	56.4	-0.5	-0.9%	
24.7%	56.9	56.4	-0.5	-0.9%	
25.9%	56.8	56.3	-0.6	-1.0%	
27.2%	56.7	56.2	-0.4	-0.8%	
28.4%	56.6	56.1	-0.5	-0.9%	
29.6%	56.6	56.1	-0.5	-0.9%	
30.9%	56.6	56.1	-0.5	-0.9%	
32.1%	56.5	55.9	-0.5	-1.0%	
33.3%	56.3	55.8	-0.5	-0.9%	
34.6%	56.3	55.8	-0.5	-0.9%	
35.8%	56.2	55.7	-0.5	-0.9%	
37.0%	56.1	55.7	-0.4	-0.8%	
38.3%	56.1	55.6	-0.5	-0.9%	
39.5%	56.1	55.5	-0.6	-1.0%	
40.7%	56.0	55.4	-0.5	-1.0%	
42.0%	55.9	55.4	-0.5	-0.9%	
43.2%	55.9	55.4	-0.5	-0.9%	
44.4%	55.8	55.4	-0.4	-0.7%	
45.7%	55.7	55.3	-0.4	-0.7%	
46.9%	55.7	55.3	-0.3	-0.6%	
48.1%	55.6	55.3	-0.3	-0.6%	
49.4%	55.5	55.2	-0.3	-0.5%	
50.6%	55.5	55.2	-0.3	-0.6%	
51.9%	55.4	55.1	-0.3	-0.5%	
53.1%	55.3	55.0	-0.4	-0.7%	
54.3%	55.3	54.9	-0.4	-0.7%	
55.6%	55.3	54.9	-0.4	-0.7%	
56.8%	55.0	54.8	-0.1	-0.2%	
58.0%	54.9	54.8	-0.1	-0.2%	
59.3%	54.9	54.8	-0.1	-0.2%	
60.5%	54.9	54.7	-0.1	-0.3%	
61.7%	54.9	54.7	-0.2	-0.3%	
63.0%	54.8	54.7	-0.1	-0.2%	
64.2%	54.8	54.7	-0.1	-0.2%	
65.4%	54.8	54.7	-0.1	-0.2%	
66.7%	54.8	54.6	-0.1	-0.3%	
67.9%	54.8	54.6	-0.2	-0.3%	
69.1%	54.7	54.6	-0.2	-0.3%	
70.4%	54.7	54.6	-0.2	-0.3%	
71.6%	54.7	54.5	-0.2	-0.3%	
72.8%	54.7	54.5	-0.2	-0.3%	
74.1%	54.7	54.5	-0.1	-0.3%	
75.3%	54.6	54.5	-0.1	-0.3%	
76.5%	54.6	54.4	-0.2	-0.4%	
77.8%	54.6	54.4	-0.2	-0.4%	
79.0%	54.5	54.4	-0.1	-0.2%	
80.2%	54.5	54.4	-0.1	-0.2%	
81.5%	54.4	54.4	-0.1	-0.1%	
82.7%	54.4	54.3	-0.1	-0.2%	
84.0%	54.3	54.1	-0.2	-0.3%	
85.2%	54.2	54.1	-0.1	-0.2%	
86.4%	54.2	54.1	-0.1	-0.3%	
87.7%	54.1	54.0	-0.2	-0.3%	
88.9%	53.9	54.0	0.0	0.0%	
90.1%	53.8	53.8	-0.1	-0.3%	
91.4%	53.9	53.7	-0.2	-0.4%	
92.6%	53.7	53.6	-0.1	-0.2%	
93.8%	53.7	53.5	-0.2	-0.3%	
95.1%	53.6	53.4	-0.2	-0.3%	
96.3%	53.6	53.2	-0.3	-0.6%	
97.5%	53.4	53.2	-0.2	-0.4%	
98.8%	53.3	53.0	-0.4	-0.7%	
100.0%	53.1	52.8	-0.3	-0.6%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	65.5	61.7	-3.8	-5.8%	
1.2%	62.9	60.3	-2.6	-4.1%	
2.5%	62.3	60.3	-2.1	-3.3%	
3.7%	60.4	58.1	-2.3	-3.8%	
4.9%	60.0	58.0	-2.0	-3.4%	
6.2%	60.0	58.0	-2.0	-3.3%	
7.4%	59.9	57.8	-2.0	-3.4%	
8.6%	59.6	57.8	-1.8	-3.0%	
9.9%	59.0	57.7	-1.3	-2.2%	
11.1%	59.0	57.6	-1.4	-2.4%	
12.3%	58.5	57.5	-1.0	-1.7%	
13.6%	58.3	57.5	-0.8	-1.4%	
14.8%	58.0	57.4	-0.6	-1.1%	
16.0%	58.0	57.3	-0.8	-1.3%	
17.3%	57.9	57.2	-0.6	-1.1%	
18.5%	57.8	57.2	-0.6	-1.1%	
19.8%	57.8	57.2	-0.6	-1.1%	
21.0%	57.7	57.2	-0.5	-0.9%	
22.2%	57.6	57.1	-0.5	-0.8%	
23.5%	57.6	56.8	-0.7	-1.3%	
24.7%	57.4	56.7	-0.7	-1.3%	
25.9%	57.4	56.7	-0.7	-1.3%	
27.2%	57.3	56.5	-0.8	-1.3%	
28.4%	57.2	56.5	-0.7	-1.3%	
29.6%	57.2	56.4	-0.7	-1.3%	
30.9%	57.1	56.4	-0.8	-1.3%	
32.1%	57.1	56.3	-0.8	-1.4%	
33.3%	57.0	56.2	-0.8	-1.4%	
34.6%	56.9	56.1	-0.7	-1.3%	
35.8%	56.7	56.1	-0.6	-1.1%	
37.0%	56.6	56.0	-0.6	-1.0%	
38.3%	56.5	56.0	-0.5	-0.9%	
39.5%	56.5	56.0	-0.5	-0.8%	
40.7%	56.5	55.9	-0.6	-1.0%	
42.0%	56.5	55.9	-0.6	-1.0%	
43.2%	56.5	55.7	-0.7	-1.3%	
44.4%	56.5	55.6	-0.9	-1.6%	
45.7%	56.4	55.6	-0.8	-1.4%	
46.9%	56.1	55.5	-0.6	-1.1%	
48.1%	56.1	55.5	-0.6	-1.1%	
49.4%	55.8	55.5	-0.3	-0.5%	
50.6%	55.7	55.3	-0.4	-0.8%	
51.9%	55.7	55.3	-0.4	-0.8%	
53.1%	55.6	55.3	-0.4	-0.6%	
54.3%	55.6	55.2	-0.4	-0.7%	
55.6%	55.5	55.2	-0.3	-0.5%	
56.8%	55.4	55.2	-0.2	-0.4%	
58.0%	55.4	55.1	-0.2	-0.4%	
59.3%	55.3	55.1	-0.2	-0.3%	
60.5%	55.2	55.1	-0.2	-0.3%	
61.7%	55.2	55.1	-0.2	-0.3%	
63.0%	55.2	55.0	-0.2	-0.3%	
64.2%	55.2	55.0	-0.2	-0.4%	
65.4%	55.1	54.7	-0.4	-0.7%	
66.7%	55.1	54.7	-0.4	-0.7%	
67.9%	55.0	54.6	-0.4	-0.7%	
69.1%	55.0	54.6	-0.4	-0.7%	
70.4%	55.0	54.6	-0.4	-0.7%	
71.6%	54.9	54.6	-0.3	-0.6%	
72.8%	54.9	54.5	-0.4	-0.7%	
74.1%	54.6	54.5	-0.1	-0.2%	
75.3%	54.5	54.4	-0.1	-0.3%	
76.5%	54.5	54.3	-0.1	-0.2%	
77.					

Table SQ6-1a  
Sacramento River at Bend Bridge, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	56.2	53.3	48.4	46.3	47.0	49.7	52.8	55.1	55.6	56.2	57.4	57.2
DCR 2015 With Project	56.2	53.3	48.5	46.4	47.0	49.8	52.9	55.3	56.1	56.1	57.0	56.3
Difference	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.4	-0.1	-0.4	-0.8
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.1%	0.1%	0.1%	0.2%	0.4%	0.8%	-0.1%	-0.6%	-1.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (22%)</b>												
DCR 2015 Without Project	55.5	53.9	48.9	46.1	46.3	48.4	51.8	54.4	55.8	56.2	56.5	54.2
DCR 2015 With Project	55.7	54.0	49.0	46.1	46.3	48.4	51.9	54.4	55.7	56.1	56.5	54.0
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	-0.2
Percent Difference	0.4%	0.3%	0.2%	0.0%	0.0%	0.1%	0.1%	0.0%	-0.2%	-0.2%	-0.1%	-0.3%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	55.6	53.2	48.4	46.5	46.8	49.6	53.2	55.6	55.4	55.2	56.7	55.7
DCR 2015 With Project	55.3	53.1	48.7	46.5	46.8	49.6	53.2	55.4	56.0	55.3	56.5	55.3
Difference	-0.3	-0.1	0.4	0.1	0.0	0.1	0.0	-0.1	0.6	0.1	-0.2	-0.4
Percent Difference	-0.5%	-0.2%	0.8%	0.1%	0.0%	0.1%	0.0%	-0.2%	1.0%	0.2%	-0.4%	-0.7%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	55.6	52.3	48.2	46.0	46.8	49.9	53.3	55.3	54.8	55.5	56.8	57.8
DCR 2015 With Project	55.3	52.3	48.2	46.1	46.8	50.0	53.3	55.5	55.9	55.5	56.7	57.0
Difference	-0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.2	1.1	0.0	-0.1	-0.8
Percent Difference	-0.6%	-0.1%	0.0%	0.2%	0.0%	0.1%	0.0%	0.4%	2.0%	-0.1%	-0.1%	-1.5%
<b>Dry (22%)</b>												
DCR 2015 Without Project	56.3	52.9	48.1	46.4	47.5	50.7	53.3	55.0	55.1	55.9	57.9	58.8
DCR 2015 With Project	56.3	52.8	48.1	46.5	47.5	50.7	53.4	55.3	55.9	55.9	57.4	57.4
Difference	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.8	0.0	-0.5	-1.4
Percent Difference	0.0%	-0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.6%	1.5%	0.0%	-0.9%	-2.3%
<b>Critical (15%)</b>												
DCR 2015 Without Project	58.9	53.9	48.3	47.1	48.1	51.2	53.2	56.0	57.1	58.5	59.9	62.0
DCR 2015 With Project	58.8	53.9	48.5	47.1	48.3	51.2	53.6	56.9	57.3	58.1	58.5	60.1
Difference	-0.1	0.0	0.2	0.0	0.1	0.0	0.4	0.9	0.2	-0.4	-1.4	-2.0
Percent Difference	-0.1%	0.0%	0.3%	0.1%	0.2%	0.1%	0.8%	1.7%	0.3%	-0.7%	-2.3%	-3.2%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average





Figure SQ6-1b  
 Sacramento River at Bend Bridge, Monthly Temperature  
 Probability of Exceedance

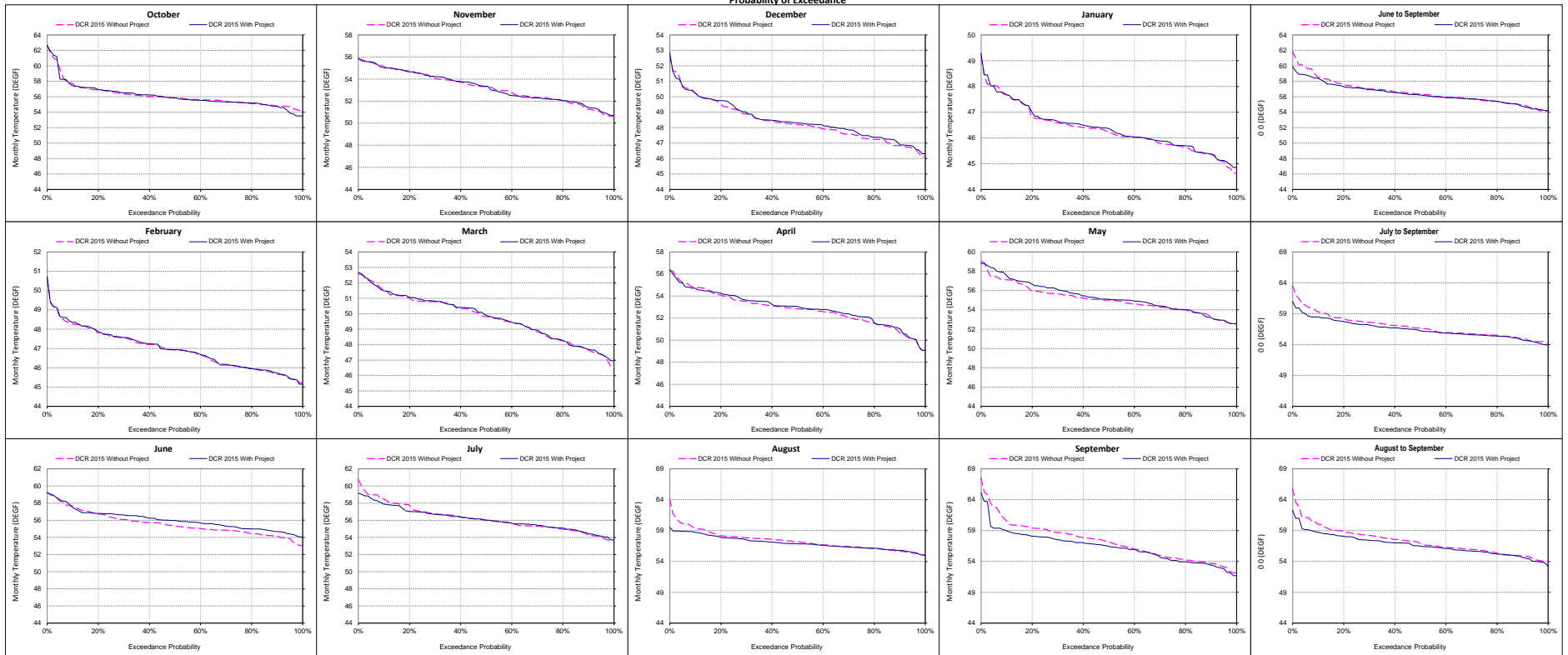


Table SQ6-1b  
Sacramento River at Bend Bridge, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	62.6		0.0	0.0%	
1.2%	61.7	61.9	0.2	0.3%	
2.5%	61.1	61.4	0.3	0.6%	
3.7%	60.8	61.2	0.4	0.7%	
4.9%	59.6	58.3	-1.4	-2.3%	
6.2%	58.5	58.2	-0.3	-0.5%	
7.4%	58.0	58.2	0.2	0.4%	
8.6%	57.8	57.7	-0.1	-0.1%	
9.9%	57.8	57.4	-0.3	-0.6%	
11.1%	57.2	57.4	0.2	0.3%	
12.3%	57.2	57.3	0.1	0.2%	
13.6%	57.2	57.2	0.0	0.0%	
14.8%	57.2	57.2	0.0	0.1%	
16.0%	57.1	57.2	0.1	0.2%	
17.3%	57.0	57.2	0.2	0.4%	
18.5%	56.9	57.1	0.2	0.4%	
19.8%	56.9	56.9	0.0	0.1%	
21.0%	56.8	56.9	0.1	0.1%	
22.2%	56.8	56.8	0.0	0.0%	
23.5%	56.7	56.8	0.1	0.1%	
24.7%	56.7	56.8	0.1	0.2%	
25.9%	56.6	56.7	0.1	0.3%	
27.2%	56.5	56.7	0.2	0.4%	
28.4%	56.4	56.6	0.2	0.3%	
29.6%	56.4	56.5	0.2	0.3%	
30.9%	56.3	56.5	0.2	0.3%	
32.1%	56.3	56.5	0.2	0.3%	
33.3%	56.2	56.5	0.3	0.5%	
34.6%	56.2	56.3	0.1	0.2%	
35.8%	56.2	56.3	0.1	0.1%	
37.0%	56.1	56.2	0.1	0.3%	
38.3%	56.1	56.2	0.2	0.3%	
39.5%	56.0	56.2	0.2	0.4%	
40.7%	56.0	56.2	0.2	0.3%	
42.0%	56.0	56.2	0.2	0.3%	
43.2%	56.0	56.1	0.1	0.2%	
44.4%	56.0	56.1	0.1	0.2%	
45.7%	56.0	56.0	0.0	0.0%	
46.9%	56.0	55.9	-0.1	-0.1%	
48.1%	55.9	56.0	0.0	0.0%	
49.4%	55.9	55.8	-0.1	-0.1%	
50.6%	55.8	55.8	0.0	0.0%	
51.9%	55.8	55.7	-0.1	-0.2%	
53.1%	55.8	55.7	-0.1	-0.2%	
54.3%	55.7	55.6	-0.1	-0.2%	
55.6%	55.7	55.6	-0.1	-0.1%	
56.8%	55.7	55.5	-0.1	-0.2%	
58.0%	55.7	55.5	-0.1	-0.2%	
59.3%	55.6	55.5	-0.1	-0.1%	
60.5%	55.6	55.5	-0.1	-0.1%	
61.7%	55.6	55.5	-0.1	-0.2%	
63.0%	55.6	55.4	-0.1	-0.3%	
64.2%	55.6	55.4	-0.2	-0.3%	
65.4%	55.6	55.4	-0.2	-0.3%	
66.7%	55.6	55.4	-0.2	-0.3%	
67.9%	55.5	55.3	-0.2	-0.3%	
69.1%	55.5	55.3	-0.2	-0.3%	
70.4%	55.4	55.3	-0.1	-0.1%	
71.6%	55.3	55.3	0.0	0.0%	
72.8%	55.3	55.3	0.0	0.0%	
74.1%	55.3	55.3	0.0	0.0%	
75.3%	55.3	55.3	0.0	0.0%	
76.5%	55.2	55.2	0.0	0.0%	
77.8%	55.2	55.2	0.0	0.1%	
79.0%	55.1	55.2	0.1	0.1%	
80.2%	55.1	55.2	0.1	0.1%	
81.5%	55.1	55.2	0.1	0.1%	
82.7%	55.0	55.1	0.1	0.2%	
84.0%	55.0	55.0	0.0	0.0%	
85.2%	55.0	55.0	0.0	0.0%	
86.4%	54.9	54.9	0.0	0.0%	
87.7%	54.9	54.8	-0.1	-0.2%	
88.9%	54.8	54.8	0.0	0.0%	
90.1%	54.8	54.7	-0.1	-0.1%	
91.4%	54.8	54.6	-0.2	-0.3%	
92.6%	54.8	54.6	-0.2	-0.3%	
93.8%	54.8	54.3	-0.5	-0.8%	
95.1%	54.7	53.9	-0.9	-1.6%	
96.3%	54.5	53.8	-0.7	-1.3%	
97.5%	54.3	53.5	-0.8	-1.5%	
98.8%	54.2	53.5	-0.7	-1.3%	
100.0%	54.2	53.5	-0.7	-1.3%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	56.8		0.1	0.1%	
1.2%	55.7	55.7	0.1	0.1%	
2.5%	55.6	55.6	0.1	0.1%	
3.7%	55.5	55.6	0.0	0.0%	
4.9%	55.5	55.6	0.0	0.1%	
6.2%	55.4	55.5	0.1	0.1%	
7.4%	55.3	55.3	0.0	0.0%	
8.6%	55.3	55.1	-0.2	-0.3%	
9.9%	55.2	55.0	-0.1	-0.3%	
11.1%	55.0	55.0	0.0	0.1%	
12.3%	55.0	55.0	0.0	0.1%	
13.6%	54.9	55.0	0.0	0.0%	
14.8%	54.9	54.9	0.0	0.1%	
16.0%	54.8	54.9	0.1	0.1%	
17.3%	54.8	54.8	0.0	0.1%	
18.5%	54.8	54.7	-0.1	-0.1%	
19.8%	54.7	54.7	-0.1	-0.1%	
21.0%	54.7	54.7	-0.1	-0.1%	
22.2%	54.6	54.6	-0.1	-0.1%	
23.5%	54.5	54.6	0.0	0.1%	
24.7%	54.5	54.5	0.0	0.1%	
25.9%	54.4	54.4	-0.1	-0.1%	
27.2%	54.3	54.3	-0.2	-0.1%	
28.4%	54.1	54.3	0.1	0.2%	
29.6%	54.1	54.2	0.1	0.2%	
30.9%	54.0	54.2	0.2	0.4%	
32.1%	54.0	54.2	0.2	0.4%	
33.3%	54.0	54.2	0.2	0.4%	
34.6%	53.9	54.0	0.1	0.2%	
35.8%	53.9	54.0	0.1	0.1%	
37.0%	53.9	53.9	0.0	0.0%	
38.3%	53.8	53.8	0.0	0.1%	
39.5%	53.7	53.8	0.1	0.1%	
40.7%	53.7	53.8	0.1	0.1%	
42.0%	53.6	53.7	0.1	0.2%	
43.2%	53.5	53.7	0.2	0.4%	
44.4%	53.4	53.6	0.2	0.4%	
45.7%	53.4	53.6	0.2	0.4%	
46.9%	53.4	53.5	0.1	0.2%	
48.1%	53.3	53.4	0.1	0.1%	
49.4%	53.3	53.4	0.0	0.0%	
50.6%	53.3	53.3	0.1	0.1%	
51.9%	53.3	53.0	-0.3	-0.5%	
53.1%	53.1	53.0	-0.1	-0.3%	
54.3%	53.0	52.9	-0.1	-0.2%	
55.6%	53.0	52.8	-0.2	-0.3%	
56.8%	53.0	52.7	-0.2	-0.4%	
58.0%	52.9	52.7	-0.3	-0.5%	
59.3%	52.9	52.5	-0.4	-0.8%	
60.5%	52.7	52.5	-0.2	-0.4%	
61.7%	52.5	52.5	-0.1	-0.1%	
63.0%	52.5	52.5	-0.1	-0.1%	
64.2%	52.5	52.4	-0.1	-0.2%	
65.4%	52.5	52.4	-0.1	-0.2%	
66.7%	52.4	52.4	-0.1	-0.1%	
67.9%	52.4	52.3	-0.1	-0.1%	
69.1%	52.4	52.3	-0.1	-0.1%	
70.4%	52.3	52.3	-0.1	-0.1%	
71.6%	52.3	52.3	-0.1	-0.1%	
72.8%	52.3	52.2	-0.1	-0.2%	
74.1%	52.3	52.2	-0.1	-0.2%	
75.3%	52.2	52.2	0.0	0.0%	
76.5%	52.2	52.2	0.0	0.0%	
77.8%	52.1	52.1	0.0	0.0%	
79.0%	52.1	52.1	0.0	0.0%	
80.2%	52.0	52.0	0.1	0.1%	
81.5%	52.0	52.0	0.1	0.1%	
82.7%	51.8	52.0	0.1	0.3%	
84.0%	51.8	52.0	0.2	0.3%	
85.2%	51.8	51.9	0.1	0.3%	
86.4%	51.7	51.9	0.1	0.2%	
87.7%	51.6	51.8	0.2	0.3%	
88.9%	51.3	51.5	0.2	0.4%	
90.1%	51.4	51.4	0.2	0.3%	
91.4%	51.2	51.4	0.2	0.3%	
92.6%	51.1	51.4	0.2	0.5%	
93.8%	51.1	51.3	0.2	0.3%	
95.1%	51.0	51.0	0.1	0.1%	
96.3%	50.7	51.0	0.2	0.5%	
97.5%	50.7	50.8	0.1	0.2%	
98.8%	50.6	50.7	0.1	0.2%	
100.0%	50.6	50.7	0.1	0.2%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	52.6		0.2	0.4%	
1.2%	51.7	51.6	0.0	-0.1%	
2.5%	51.6	51.2	-0.4	-0.8%	
3.7%	51.3	51.1	-0.2	-0.4%	
4.9%	50.6	50.7	0.1	0.2%	
6.2%	50.6	50.5	-0.1	-0.2%	
7.4%	50.4	50.4	0.0	-0.2%	
8.6%	50.5	50.4	0.0	-0.1%	
9.9%	50.2	50.2	0.0	0.0%	
11.1%	50.1	50.1	-0.1	-0.1%	
12.3%	49.9	50.0	0.0	0.0%	
13.6%	49.9	49.9	0.0	0.0%	
14.8%	49.9	49.9	0.0	0.0%	
16.0%	49.8	49.9	0.0	0.1%	
17.3%	49.8	49.8	0.0	-0.1%	
18.5%	49.7	49.8	0.0	0.1%	
19.8%	49.5	49.8	0.2	0.4%	
21.0%	49.4	49.8	0.4	0.8%	
22.2%	49.3	49.7	0.4	0.8%	
23.5%	49.3	49.6	0.3	0.6%	
24.7%	49.2	49.5	0.3	0.5%	
25.9%	49.2	49.2	0.0	0.1%	
27.2%	49.1	49.3	0.1	0.1%	
28.4%	48.9	48.5	-0.1	0.3%	
29.6%	48.9	49.0	0.1	0.3%	
30.9%	48.9	48.9	0.0	0.0%	
32.1%	48.8	48.9	0.0	0.1%	
33.3%	48.6	48.6	0.0	0.0%	
34.6%	48.6	48.6	0.0	0.0%	
35.8%	48.5	48.5	0.0	-0.1%	
37.0%	48.5	48.5	0.0	0.0%	
38.3%	48.4	48.5	0.1	0.1%	
39.5%	48.4	48.5	0.1	0.2%	
40.7%	48.4	48.5	0.1	0.1%	
42.0%	48.3	48.4	0.1	0.2%	
43.2%	48.3	48.4	0.1	0.2%	
44.4%	48.3	48.4	0.1	0.2%	
45.7%	48.3	48.4	0.1	0.2%	
46.9%	48.3	48.4	0.1	0.2%	
48.1%	48.3	48.3	0.1	0.3%	
49.4%	48.2	48.3	0.1	0.3%	
50.6%	48.2	48.3	0.1	0.2%	
51.9%	48.2	48.3	0.1	0.2%	
53.1%	48.2	48.2	0.1	0.2%	
54.3%	48.2	48.2	0.1	0.1%	
55.6%	48.1	48.2	0.1	0.3%	
56.8%	48.1	48.2	0.2	0.3%	
58.0%	48.0	48.2	0.2	0.3%	
59.3%	48.0	48.2	0.2	0.5%	
60.5%	47.9	48.1	0.2	0.4%	
61.7%	47.9	48.1	0.2	0.4%	
63.0%	47.9	48.0	0.2	0.3%	
64.2%	47.9	48.0	0.2	0.3%	
65.4%	47.8	48.0	0.2	0.3%	
66.7%	47.7	47.9	0.3	0.6%	
67.9%	47.6	47.9	0.3	0.7%	
69.1%	47.6	47.9	0.3	0.6%	
70.4%	47.6	47.9	0.3	0.6%	
71.6%	47.6	47.8	0.3	0.6%	
72.8%	47.5	47.7	0.2	0.5%	
74.1%	47.5	47.6	0.1	0.3%	
75.3%	47.3	47.5	0.2	0.4%	
76.5%	47.3	47.5	0.2	0.4%	
77.8%	47.3	47.5	0.2	0.4%	

Table SQ6-1b  
Sacramento River at Bend Bridge, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	50.6	50.7	0.1	0.3%	
1.2%	49.4	49.4	0.0	-0.1%	
2.5%	49.2	49.2	0.0	0.0%	
3.7%	49.1	49.1	0.0	0.0%	
4.9%	48.6	48.7	0.1	0.1%	
6.2%	48.5	48.6	0.1	0.2%	
7.4%	48.4	48.6	0.2	0.4%	
8.6%	48.3	48.4	0.1	0.2%	
9.9%	48.3	48.3	0.1	0.2%	
11.1%	48.3	48.3	0.1	0.2%	
12.3%	48.2	48.2	0.0	0.0%	
13.6%	48.2	48.2	0.0	0.0%	
14.8%	48.2	48.2	0.0	0.0%	
16.0%	48.1	48.1	0.1	0.2%	
17.3%	48.1	48.1	0.0	0.0%	
18.5%	48.0	48.0	0.0	0.0%	
19.8%	47.8	47.9	0.1	0.2%	
21.0%	47.8	47.8	0.0	0.0%	
22.2%	47.7	47.7	0.0	0.0%	
23.5%	47.7	47.7	0.0	0.0%	
24.7%	47.6	47.7	0.1	0.2%	
25.9%	47.6	47.6	0.0	0.1%	
27.2%	47.6	47.6	0.0	0.1%	
28.4%	47.6	47.6	0.0	0.1%	
29.6%	47.6	47.6	0.0	0.0%	
30.9%	47.5	47.6	0.0	0.0%	
32.1%	47.5	47.5	0.1	0.2%	
33.3%	47.4	47.5	0.0	0.1%	
34.6%	47.3	47.4	0.1	0.2%	
35.8%	47.3	47.3	0.1	0.2%	
37.0%	47.3	47.3	0.1	0.1%	
38.3%	47.2	47.3	0.0	0.0%	
39.5%	47.2	47.3	0.0	0.1%	
40.7%	47.2	47.2	0.0	0.1%	
42.0%	47.2	47.2	0.0	0.1%	
43.2%	47.2	47.2	0.0	0.1%	
44.4%	47.1	47.0	-0.1	-0.2%	
45.7%	47.0	47.0	0.0	-0.1%	
46.9%	47.0	46.9	0.0	-0.1%	
48.1%	46.9	46.9	0.0	0.0%	
49.4%	46.9	46.9	0.0	0.0%	
50.6%	46.9	46.9	0.0	0.0%	
51.9%	46.9	46.9	0.0	0.1%	
53.1%	46.9	46.9	0.0	0.1%	
54.3%	46.9	46.9	0.0	-0.1%	
55.6%	46.8	46.8	0.0	0.0%	
56.8%	46.8	46.8	0.0	0.0%	
58.0%	46.8	46.8	0.0	0.0%	
59.3%	46.7	46.7	0.1	0.1%	
60.5%	46.7	46.7	0.0	0.0%	
61.7%	46.6	46.6	0.1	0.1%	
63.0%	46.5	46.5	0.0	0.0%	
64.2%	46.4	46.5	0.1	0.2%	
65.4%	46.3	46.4	0.1	0.3%	
66.7%	46.3	46.3	0.0	0.0%	
67.9%	46.2	46.2	0.0	-0.1%	
69.1%	46.2	46.2	0.0	-0.1%	
70.4%	46.2	46.1	0.0	-0.1%	
71.6%	46.1	46.1	0.0	0.0%	
72.8%	46.1	46.1	0.0	0.0%	
74.1%	46.1	46.1	0.0	0.1%	
75.3%	46.1	46.0	0.0	-0.1%	
76.5%	46.0	46.0	0.0	0.0%	
77.8%	46.0	46.0	0.0	0.0%	
79.0%	46.0	46.0	0.0	-0.1%	
80.2%	46.0	45.9	0.0	0.0%	
81.5%	45.9	45.9	0.0	0.0%	
82.7%	45.9	45.9	0.0	0.1%	
84.0%	45.9	45.9	0.0	0.0%	
85.2%	45.8	45.9	0.0	0.1%	
86.4%	45.8	45.9	0.1	0.1%	
87.7%	45.8	45.8	0.0	0.1%	
88.9%	45.7	45.8	0.1	0.2%	
90.1%	45.7	45.7	0.1	0.2%	
91.4%	45.7	45.7	0.0	0.0%	
92.6%	45.6	45.7	0.0	0.1%	
93.8%	45.5	45.6	0.1	0.1%	
95.1%	45.4	45.4	0.0	0.0%	
96.3%	45.4	45.4	0.0	-0.1%	
97.5%	45.4	45.4	0.0	0.0%	
98.8%	45.2	45.2	-0.1	-0.2%	
100.0%	45.2	45.2	-0.1	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.6	52.7	0.1	0.2%	
1.2%	52.5	52.6	0.1	0.1%	
2.5%	52.4	52.3	-0.1	-0.2%	
3.7%	52.2	52.3	0.1	0.2%	
4.9%	52.2	52.2	-0.1	-0.3%	
6.2%	52.0	51.9	-0.1	-0.3%	
7.4%	51.9	51.8	-0.1	-0.4%	
8.6%	51.7	51.6	-0.1	-0.2%	
9.9%	51.5	51.5	0.0	0.0%	
11.1%	51.5	51.4	0.0	-0.1%	
12.3%	51.2	51.4	0.2	0.4%	
13.6%	51.2	51.3	0.1	0.1%	
14.8%	51.2	51.2	0.0	0.0%	
16.0%	51.2	51.2	0.0	0.1%	
17.3%	51.1	51.2	0.0	0.1%	
18.5%	51.1	51.2	0.1	0.3%	
19.8%	51.0	51.1	0.0	0.0%	
21.0%	50.9	51.0	0.2	0.3%	
22.2%	50.8	51.0	0.2	0.4%	
23.5%	50.8	50.9	0.1	0.2%	
24.7%	50.8	50.9	0.1	0.2%	
25.9%	50.8	50.8	0.1	0.1%	
27.2%	50.8	50.8	0.1	0.1%	
28.4%	50.8	50.8	0.1	0.1%	
29.6%	50.8	50.8	0.0	0.1%	
30.9%	50.8	50.8	0.0	0.0%	
32.1%	50.8	50.8	0.0	0.0%	
33.3%	50.7	50.7	0.0	0.0%	
34.6%	50.7	50.6	-0.1	-0.1%	
35.8%	50.6	50.6	0.0	0.0%	
37.0%	50.6	50.6	0.0	0.0%	
38.3%	50.4	50.4	0.0	0.1%	
39.5%	50.3	50.4	0.1	0.1%	
40.7%	50.3	50.4	0.1	0.1%	
42.0%	50.3	50.4	0.1	0.1%	
43.2%	50.3	50.4	0.1	0.1%	
44.4%	50.2	50.4	0.2	0.3%	
45.7%	50.1	50.3	0.2	0.4%	
46.9%	50.0	50.1	0.1	0.1%	
48.1%	49.9	50.1	0.2	0.5%	
49.4%	49.8	50.0	0.1	0.3%	
50.6%	49.8	49.9	0.0	0.1%	
51.9%	49.7	49.8	0.1	0.1%	
53.1%	49.7	49.7	0.0	0.1%	
54.3%	49.7	49.7	0.0	0.0%	
55.6%	49.6	49.7	0.1	0.1%	
56.8%	49.5	49.6	0.1	0.2%	
58.0%	49.5	49.6	0.1	0.1%	
59.3%	49.5	49.5	0.0	0.0%	
60.5%	49.4	49.4	0.0	0.1%	
61.7%	49.4	49.4	0.0	0.0%	
63.0%	49.4	49.4	0.0	0.0%	
64.2%	49.3	49.3	0.0	0.0%	
65.4%	49.2	49.2	0.0	0.0%	
66.7%	49.1	49.1	0.0	-0.1%	
67.9%	49.0	49.0	0.0	0.0%	
69.1%	48.9	49.0	0.0	0.1%	
70.4%	48.8	48.9	0.1	0.3%	
71.6%	48.8	48.7	0.0	-0.1%	
72.8%	48.6	48.7	0.1	0.3%	
74.1%	48.5	48.6	0.1	0.2%	
75.3%	48.4	48.4	0.0	0.0%	
76.5%	48.4	48.4	0.0	0.0%	
77.8%	48.4	48.4	0.0	-0.1%	
79.0%	48.3	48.3	0.1	0.1%	
80.2%	48.3	48.3	0.0	0.0%	
81.5%	48.2	48.2	0.0	0.0%	
82.7%	48.1	48.0	-0.2	-0.3%	
84.0%	47.9	47.9	0.0	0.0%	
85.2%	47.9	47.9	0.0	0.0%	
86.4%	47.9	47.9	0.0	0.0%	
87.7%	47.8	47.8	0.0	-0.1%	
88.9%	47.7	47.8	0.1	0.2%	
90.1%	47.7	47.7	0.0	0.0%	
91.4%	47.5	47.7	0.1	0.3%	
92.6%	47.5	47.7	0.1	0.3%	
93.8%	47.4	47.4	0.0	0.0%	
95.1%	47.4	47.4	0.0	-0.1%	
96.3%	47.3	47.3	0.0	0.0%	
97.5%	47.0	47.1	0.2	0.4%	
98.8%	46.6	47.0	0.4	0.8%	
100.0%	46.6	47.0	0.4	0.8%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.3	56.4	0.1	0.2%	
1.2%	56.2	56.0	-0.3	-0.5%	
2.5%	56.8	56.6	-0.1	-0.3%	
3.7%	56.5	56.2	-0.2	-0.4%	
4.9%	56.2	56.2	0.0	-0.1%	
6.2%	56.2	56.8	0.6	1.0%	
7.4%	56.2	56.8	0.6	1.0%	
8.6%	56.8	56.7	-0.1	-0.2%	
9.9%	56.8	56.7	-0.1	-0.1%	
11.1%	56.8	56.6	-0.2	-0.4%	
12.3%	56.7	56.5	-0.2	-0.4%	
13.6%	56.7	56.5	-0.2	-0.4%	
14.8%	56.6	56.5	-0.1	-0.2%	
16.0%	56.4	56.4	0.1	0.1%	
17.3%	56.2	56.3	0.1	0.2%	
18.5%	56.1	56.3	0.2	0.4%	
19.8%	56.1	56.3	0.2	0.3%	
21.0%	56.0	56.1	0.1	0.3%	
22.2%	56.0	56.1	0.1	0.3%	
23.5%	56.0	56.1	0.1	0.3%	
24.7%	56.0	56.1	0.1	0.3%	
25.9%	56.0	56.0	0.4	0.7%	
27.2%	56.0	56.0	0.3	0.5%	
28.4%	56.0	56.0	0.2	0.3%	
29.6%	56.0	56.0	0.1	0.2%	
30.9%	56.0	56.0	0.2	0.3%	
32.1%	56.0	56.0	0.2	0.4%	
33.3%	56.0	56.0	0.3	0.5%	
34.6%	56.0	56.0	0.2	0.4%	
35.8%	56.0	56.0	0.3	0.5%	
37.0%	56.0	56.0	0.3	0.6%	
38.3%	56.0	56.0	0.4	0.7%	
39.5%	56.0	56.0	0.2	0.4%	
40.7%	56.0	56.0	0.0	0.0%	
42.0%	56.0	56.0	0.1	0.1%	
43.2%	56.0	56.0	0.0	0.1%	
44.4%	56.0	56.0	0.1	0.1%	
45.7%	56.0	56.0	0.2	0.3%	
46.9%	56.0	56.0	0.2	0.3%	
48.1%	56.0	56.0	0.2	0.3%	
49.4%	56.0	56.0	0.2	0.4%	
50.6%	56.0	56.0	0.2	0.4%	
51.9%	56.0	56.0	0.1	0.2%	
53.1%	56.0	56.0	0.1	0.2%	
54.3%	56.0	56.0	0.1	0.1%	
55.6%	56.0	56.0	0.0	0.1%	
56.8%	56.0	56.0	0.0	0.1%	
58.0%	56.0	56.0	0.2	0.3%	
59.3%	56.0	56.0	0.2	0.3%	
60.5%	56.0	56.0	0.2	0.4%	
61.7%	56.0	56.0	0.2	0.4%	
63.0%	56.0	56.0	0.2	0.3%	
64.2%	56.0	56.0	0.1	0.3%	
65.4%	56.0	56.0	0.2	0.4%	
66.7%	56.0	56.0	0.2	0.4%	
67.9%	56.0	56.0	0.2	0.3%	
69.1%	56.0	56.0	0.2	0.3%	
70.4%	56.0	56.0	0.4	0.7%	
71.6%	56.0	56.0	0.3	0.6%	
72.8%	56.0	56.0	0.4	0.7%	
74.1%	56.0	56.0	0.3	0.5%	
75.3%	56.0	56.0	0.3	0.5%	
76.5%	56.0	56.0	0.4	0.7%	
77.8%	56.0	56.0	0.4	0.8%	
79.0%	56.0	56.0	0.3		

Table SQ6-1b  
Sacramento River at Bend Bridge, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	59.3	59.2	0.0	0.0%	
1.2%	59.0	59.1	0.1	0.2%	
2.5%	58.9	58.9	0.0	0.0%	
3.7%	58.6	58.6	0.0	0.0%	
4.9%	58.5	58.3	-0.2	-0.3%	
6.2%	58.1	58.3	0.1	0.2%	
7.4%	57.8	58.2	0.4	0.7%	
8.6%	57.7	57.9	0.1	0.2%	
9.9%	57.7	57.5	-0.2	-0.3%	
11.1%	57.5	57.3	-0.2	-0.4%	
12.3%	57.3	57.1	-0.2	-0.4%	
13.6%	57.2	56.9	-0.3	-0.5%	
14.8%	57.1	56.9	-0.2	-0.3%	
16.0%	57.1	56.9	-0.2	-0.3%	
17.3%	56.9	56.9	-0.1	-0.1%	
18.5%	56.8	56.8	0.0	0.0%	
19.8%	56.7	56.8	0.1	0.1%	
21.0%	56.7	56.8	0.0	0.1%	
22.2%	56.7	56.8	0.1	0.2%	
23.5%	56.4	56.8	0.3	0.6%	
24.7%	56.4	56.8	0.4	0.7%	
25.9%	56.3	56.7	0.4	0.8%	
27.2%	56.2	56.7	0.5	0.8%	
28.4%	56.1	56.7	0.5	0.9%	
29.6%	56.1	56.6	0.6	1.0%	
30.9%	56.1	56.6	0.5	0.9%	
32.1%	56.0	56.6	0.5	1.0%	
33.3%	55.9	56.6	0.7	1.2%	
34.6%	55.9	56.5	0.7	1.2%	
35.8%	55.9	56.5	0.6	1.1%	
37.0%	55.8	56.5	0.7	1.2%	
38.3%	55.8	56.4	0.6	1.2%	
39.5%	55.7	56.3	0.5	1.0%	
40.7%	55.7	56.2	0.5	0.9%	
42.0%	55.7	56.2	0.5	0.9%	
43.2%	55.7	56.1	0.4	0.8%	
44.4%	55.7	56.0	0.4	0.7%	
45.7%	55.6	56.0	0.4	0.8%	
46.9%	55.4	56.0	0.6	1.0%	
48.1%	55.4	56.0	0.6	1.1%	
49.4%	55.4	56.0	0.6	1.1%	
50.6%	55.3	56.0	0.7	1.2%	
51.9%	55.3	55.9	0.7	1.2%	
53.1%	55.2	55.9	0.6	1.1%	
54.3%	55.2	55.8	0.7	1.2%	
55.6%	55.1	55.8	0.7	1.2%	
56.8%	55.1	55.8	0.7	1.3%	
58.0%	55.1	55.8	0.7	1.3%	
59.3%	55.1	55.8	0.7	1.3%	
60.5%	55.0	55.6	0.6	1.2%	
61.7%	54.9	55.6	0.7	1.2%	
63.0%	54.9	55.6	0.7	1.2%	
64.2%	54.9	55.6	0.7	1.2%	
65.4%	54.9	55.5	0.7	1.2%	
66.7%	54.9	55.5	0.6	1.1%	
67.9%	54.9	55.5	0.6	1.1%	
69.1%	54.8	55.4	0.5	1.0%	
70.4%	54.8	55.3	0.5	0.8%	
71.6%	54.8	55.3	0.4	0.8%	
72.8%	54.8	55.3	0.5	0.9%	
74.1%	54.8	55.2	0.5	0.8%	
75.3%	54.7	55.1	0.4	0.7%	
76.5%	54.6	55.0	0.4	0.7%	
77.8%	54.6	55.0	0.4	0.7%	
79.0%	54.5	55.0	0.5	1.0%	
80.2%	54.4	55.0	0.6	1.0%	
81.5%	54.4	55.0	0.6	1.0%	
82.7%	54.4	55.0	0.6	1.0%	
84.0%	54.3	55.0	0.7	1.3%	
85.2%	54.3	54.9	0.6	1.2%	
86.4%	54.2	54.8	0.6	1.1%	
87.7%	54.2	54.8	0.6	1.0%	
88.9%	54.2	54.7	0.5	1.0%	
90.1%	54.1	54.7	0.5	1.0%	
91.4%	54.0	54.6	0.6	1.2%	
92.6%	54.0	54.6	0.6	1.2%	
93.8%	53.9	54.5	0.6	1.1%	
95.1%	53.9	54.4	0.5	1.0%	
96.3%	53.4	54.3	0.9	1.7%	
97.5%	53.3	54.2	0.9	1.7%	
98.8%	53.1	54.1	1.0	1.9%	
100.0%	53.1	54.1	1.0	1.9%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	60.8	59.2	-1.6	-2.6%	
1.2%	60.0	59.0	-0.9	-1.6%	
2.5%	59.5	58.9	-0.6	-1.0%	
3.7%	59.0	58.9	-0.2	-0.3%	
4.9%	59.0	58.6	-0.4	-0.7%	
6.2%	59.0	58.4	-0.6	-1.0%	
7.4%	58.7	58.3	-0.4	-0.7%	
8.6%	58.6	58.1	-0.5	-0.8%	
9.9%	58.5	57.9	-0.6	-1.0%	
11.1%	58.3	57.8	-0.4	-0.8%	
12.3%	58.0	57.8	-0.3	-0.5%	
13.6%	58.0	57.8	-0.2	-0.4%	
14.8%	58.0	57.7	-0.3	-0.4%	
16.0%	57.9	57.7	-0.2	-0.4%	
17.3%	57.9	57.4	-0.5	-0.8%	
18.5%	57.8	57.1	-0.7	-1.3%	
19.8%	57.8	57.0	-0.8	-1.4%	
21.0%	57.3	57.0	-0.3	-0.5%	
22.2%	57.1	57.0	-0.1	-0.2%	
23.5%	57.1	57.0	-0.1	-0.2%	
24.7%	57.0	57.0	0.0	-0.1%	
25.9%	57.0	56.9	0.0	-0.1%	
27.2%	56.9	56.8	-0.1	-0.2%	
28.4%	56.8	56.8	-0.1	-0.2%	
29.6%	56.8	56.7	-0.1	-0.2%	
30.9%	56.7	56.7	0.0	-0.1%	
32.1%	56.7	56.6	-0.1	-0.1%	
33.3%	56.7	56.6	-0.1	-0.1%	
34.6%	56.7	56.6	0.0	-0.1%	
35.8%	56.6	56.5	-0.1	-0.2%	
37.0%	56.6	56.5	-0.1	-0.2%	
38.3%	56.5	56.4	-0.1	-0.2%	
39.5%	56.4	56.4	0.1	0.1%	
40.7%	56.4	56.3	0.0	0.0%	
42.0%	56.3	56.3	0.0	-0.1%	
43.2%	56.2	56.2	0.0	0.1%	
44.4%	56.2	56.2	0.0	0.1%	
45.7%	56.2	56.2	0.0	0.0%	
46.9%	56.1	56.2	0.1	0.1%	
48.1%	56.1	56.1	0.0	0.1%	
49.4%	56.0	56.1	0.1	0.1%	
50.6%	56.0	56.0	0.0	0.1%	
51.9%	56.0	56.0	0.0	0.0%	
53.1%	55.9	55.9	0.0	0.0%	
54.3%	55.9	55.8	-0.1	-0.1%	
55.6%	55.8	55.8	0.0	0.0%	
56.8%	55.7	55.8	0.1	0.1%	
58.0%	55.7	55.8	0.1	0.1%	
59.3%	55.7	55.7	0.0	0.1%	
60.5%	55.6	55.6	0.1	0.1%	
61.7%	55.5	55.6	0.1	0.2%	
63.0%	55.4	55.6	0.2	0.4%	
64.2%	55.4	55.6	0.2	0.4%	
65.4%	55.4	55.6	0.2	0.4%	
66.7%	55.4	55.5	0.2	0.3%	
67.9%	55.3	55.5	0.2	0.3%	
69.1%	55.3	55.5	0.2	0.3%	
70.4%	55.3	55.4	0.1	0.2%	
71.6%	55.2	55.4	0.1	0.3%	
72.8%	55.2	55.3	0.1	0.1%	
74.1%	55.2	55.2	0.0	0.0%	
75.3%	55.2	55.2	0.0	0.0%	
76.5%	55.1	55.2	0.1	0.1%	
77.8%	55.0	55.1	0.1	0.2%	
79.0%	55.0	55.1	0.1	0.2%	
80.2%	54.9	55.1	0.1	0.2%	
81.5%	54.9	55.0	0.0	0.1%	
82.7%	54.9	55.0	0.1	0.2%	
84.0%	54.8	54.9	0.2	0.3%	
85.2%	54.8	54.9	0.1	0.2%	
86.4%	54.7	54.7	0.0	0.0%	
87.7%	54.6	54.7	0.1	0.2%	
88.9%	54.5	54.5	0.1	0.1%	
90.1%	54.4	54.4	0.2	0.4%	
91.4%	54.2	54.4	0.2	0.4%	
92.6%	54.2	54.3	0.1	0.2%	
93.8%	54.1	54.2	0.1	0.1%	
95.1%	54.1	54.1	0.1	0.1%	
96.3%	53.9	54.1	0.2	0.4%	
97.5%	53.7	54.0	0.4	0.7%	
98.8%	53.7	53.7	0.0	0.1%	
100.0%	53.7	53.7	0.0	0.1%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	64.1	59.5	-4.6	-7.1%	
1.2%	61.8	59.0	-2.8	-4.5%	
2.5%	61.0	58.9	-2.1	-3.5%	
3.7%	60.5	58.9	-1.6	-2.6%	
4.9%	60.1	58.9	-1.3	-2.1%	
6.2%	60.0	58.8	-1.2	-2.0%	
7.4%	60.0	58.8	-1.2	-2.0%	
8.6%	59.7	58.8	-0.8	-1.4%	
9.9%	59.4	58.7	-0.7	-1.1%	
11.1%	59.3	58.6	-0.6	-1.0%	
12.3%	59.3	58.6	-0.7	-1.1%	
13.6%	59.2	58.5	-0.7	-1.2%	
14.8%	59.0	58.3	-0.7	-1.2%	
16.0%	58.6	58.2	-0.4	-0.7%	
17.3%	58.6	58.1	-0.4	-0.7%	
18.5%	58.3	58.1	-0.2	-0.4%	
19.8%	58.2	57.9	-0.3	-0.5%	
21.0%	58.1	57.8	-0.3	-0.5%	
22.2%	58.1	57.8	-0.2	-0.4%	
23.5%	58.0	57.8	-0.2	-0.4%	
24.7%	58.0	57.8	-0.2	-0.4%	
25.9%	58.0	57.7	-0.2	-0.4%	
27.2%	57.9	57.7	-0.2	-0.5%	
28.4%	57.9	57.2	-0.3	-0.5%	
29.6%	57.8	57.5	-0.3	-0.5%	
30.9%	57.8	57.4	-0.4	-0.6%	
32.1%	57.8	57.3	-0.4	-0.7%	
33.3%	57.7	57.3	-0.4	-0.7%	
34.6%	57.7	57.3	-0.4	-0.7%	
35.8%	57.7	57.3	-0.4	-0.7%	
37.0%	57.7	57.2	-0.4	-0.7%	
38.3%	57.6	57.2	-0.4	-0.8%	
39.5%	57.6	57.1	-0.4	-0.8%	
40.7%	57.5	57.1	-0.4	-0.7%	
42.0%	57.5	57.1	-0.4	-0.7%	
43.2%	57.5	57.0	-0.4	-0.8%	
44.4%	57.4	56.9	-0.5	-0.9%	
45.7%	57.4	56.9	-0.4	-0.7%	
46.9%	57.3	56.9	-0.4	-0.7%	
48.1%	57.2	56.9	-0.3	-0.6%	
49.4%	57.2	56.9	-0.3	-0.5%	
50.6%	57.2	56.9	-0.3	-0.5%	
51.9%	57.1	56.8	-0.2	-0.4%	
53.1%	57.1	56.8	-0.2	-0.4%	
54.3%	57.0	56.8	-0.1	-0.3%	
55.6%	56.9	56.8	-0.1	-0.2%	
56.8%	56.8	56.8	0.0	0.0%	
58.0%	56.8	56.7	-0.1	-0.2%	
59.3%	56.8	56.6	-0.1	-0.2%	
60.5%	56.7	56.6	-0.1	-0.1%	
61.7%	56.7	56.5	-0.1	-0.2%	
63.0%	56.6	56.5	-0.1	-0.2%	
64.2%	56.5	56.5	0.0	0.0%	
65.4%	56.5	56.5	0.0	-0.1%	
66.7%	56.5	56.4	-0.1	-0.1%	
67.9%	56.4	56.4	0.0	-0.1%	
69.1%	56.4	56.4	-0.1	-0.1%	
70.4%	56.4	56.3	-0.1	-0.1%	
71.6%	56.4	56.3	-0.1	-0.1%	
72.8%	56.3	56.3	-0.1	-0.1%	
74.1%	56.3	56.2	-0.1	-0.2%	
75.3%	56.2	56.2	0.0	0.0%	
76.5%	56.2	56.2	0.0	0.0%	
77.8%	56.2	56.1	0.0	0.0%	
79.0%	56.1	56.1	0.0		

Table SQ6-1b  
Sacramento River at Bend Bridge, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	61.9	59.9	-2.0	-3.2%	
1.2%	60.9	59.3	-1.6	-2.6%	
2.5%	60.1	58.9	-1.2	-2.1%	
3.7%	60.1	58.9	-1.2	-2.0%	
4.9%	59.8	58.8	-1.0	-1.7%	
6.2%	59.6	58.7	-0.9	-1.5%	
7.4%	59.6	58.6	-1.0	-1.7%	
8.6%	59.0	58.4	-0.6	-1.0%	
9.9%	58.5	58.4	-0.1	-0.2%	
11.1%	58.5	58.2	-0.3	-0.6%	
12.3%	58.3	58.0	-0.4	-0.6%	
13.6%	58.3	57.6	-0.7	-1.1%	
14.8%	58.1	57.6	-0.5	-0.9%	
16.0%	58.1	57.6	-0.5	-0.8%	
17.3%	57.8	57.5	-0.3	-0.5%	
18.5%	57.7	57.4	-0.3	-0.5%	
19.8%	57.6	57.3	-0.3	-0.5%	
21.0%	57.5	57.2	-0.2	-0.4%	
22.2%	57.5	57.2	-0.2	-0.4%	
23.5%	57.4	57.1	-0.2	-0.4%	
24.7%	57.3	57.1	-0.1	-0.2%	
25.9%	57.3	57.1	-0.1	-0.2%	
27.2%	57.1	57.1	0.0	0.0%	
28.4%	57.1	57.0	-0.1	-0.2%	
29.6%	57.0	56.9	-0.1	-0.2%	
30.9%	57.0	56.9	-0.1	-0.2%	
32.1%	57.0	56.9	-0.1	-0.2%	
33.3%	56.9	56.8	-0.1	-0.2%	
34.6%	56.9	56.8	-0.1	-0.2%	
35.8%	56.9	56.8	-0.1	-0.2%	
37.0%	56.8	56.6	-0.2	-0.3%	
38.3%	56.8	56.6	-0.2	-0.4%	
39.5%	56.6	56.6	0.0	0.1%	
40.7%	56.6	56.5	-0.1	-0.1%	
42.0%	56.6	56.5	-0.1	-0.2%	
43.2%	56.6	56.4	-0.2	-0.4%	
44.4%	56.5	56.4	-0.1	-0.2%	
45.7%	56.5	56.3	-0.2	-0.3%	
46.9%	56.5	56.3	-0.2	-0.3%	
48.1%	56.4	56.3	-0.1	-0.2%	
49.4%	56.3	56.3	0.0	0.1%	
50.6%	56.3	56.2	-0.1	-0.1%	
51.9%	56.3	56.2	-0.1	-0.2%	
53.1%	56.3	56.1	-0.1	-0.2%	
54.3%	56.2	56.0	-0.2	-0.3%	
55.6%	56.1	56.0	-0.1	-0.1%	
56.8%	56.1	56.0	-0.1	-0.1%	
58.0%	56.0	55.9	-0.1	-0.1%	
59.3%	56.0	55.9	-0.1	-0.2%	
60.5%	56.0	55.9	-0.1	-0.2%	
61.7%	55.9	55.9	0.0	0.1%	
63.0%	55.9	55.9	0.0	0.1%	
64.2%	55.9	55.8	-0.1	-0.1%	
65.4%	55.9	55.8	-0.1	-0.1%	
66.7%	55.8	55.8	0.0	0.1%	
67.9%	55.7	55.8	0.0	0.1%	
69.1%	55.7	55.7	0.0	0.0%	
70.4%	55.7	55.7	0.0	0.1%	
71.6%	55.7	55.7	0.0	0.0%	
72.8%	55.6	55.7	0.0	0.0%	
74.1%	55.5	55.6	0.1	0.2%	
75.3%	55.5	55.6	0.1	0.2%	
76.5%	55.5	55.5	0.0	0.1%	
77.8%	55.5	55.5	0.0	0.0%	
79.0%	55.4	55.4	0.0	-0.1%	
80.2%	55.4	55.4	0.0	0.1%	
81.5%	55.3	55.3	0.0	0.0%	
82.7%	55.2	55.3	0.0	0.1%	
84.0%	55.2	55.2	0.0	0.0%	
85.2%	55.2	55.1	0.0	-0.1%	
86.4%	55.1	55.1	0.0	0.0%	
87.7%	55.1	55.1	0.0	0.0%	
88.9%	55.0	54.9	-0.1	-0.2%	
90.1%	54.9	54.7	-0.1	-0.3%	
91.4%	54.9	54.7	-0.2	-0.4%	
92.6%	54.6	54.5	-0.1	-0.1%	
93.8%	54.6	54.4	-0.2	-0.3%	
95.1%	54.6	54.4	-0.2	-0.3%	
96.3%	54.2	54.3	0.1	0.3%	
97.5%	54.2	54.3	0.1	0.2%	
98.8%	54.2	54.2	0.0	0.1%	
100.0%	54.1	54.2	0.2	0.3%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	63.5	61.0	-2.6	-4.1%	
1.2%	62.0	59.9	-2.1	-3.3%	
2.5%	61.5	59.9	-1.5	-2.5%	
3.7%	60.6	59.2	-1.4	-2.3%	
4.9%	60.4	59.0	-1.4	-2.3%	
6.2%	60.0	58.6	-1.4	-2.4%	
7.4%	60.0	58.5	-1.5	-2.6%	
8.6%	59.7	58.5	-1.2	-2.0%	
9.9%	59.3	58.5	-0.8	-1.4%	
11.1%	59.3	58.4	-0.9	-1.5%	
12.3%	59.1	58.3	-0.8	-1.3%	
13.6%	59.0	58.3	-0.7	-1.2%	
14.8%	58.5	58.2	-0.3	-0.5%	
16.0%	58.4	57.9	-0.5	-0.8%	
17.3%	58.4	57.9	-0.5	-0.8%	
18.5%	58.4	57.8	-0.5	-0.9%	
19.8%	58.3	57.8	-0.6	-0.9%	
21.0%	58.0	57.7	-0.4	-0.6%	
22.2%	57.9	57.6	-0.4	-0.7%	
23.5%	57.8	57.4	-0.4	-0.7%	
24.7%	57.8	57.3	-0.5	-0.8%	
25.9%	57.8	57.3	-0.5	-0.9%	
27.2%	57.7	57.3	-0.5	-0.8%	
28.4%	57.7	57.3	-0.4	-0.7%	
29.6%	57.6	57.2	-0.4	-0.7%	
30.9%	57.6	57.1	-0.5	-0.8%	
32.1%	57.5	57.0	-0.5	-0.9%	
33.3%	57.5	56.9	-0.6	-1.1%	
34.6%	57.4	56.8	-0.6	-1.0%	
35.8%	57.3	56.8	-0.5	-0.9%	
37.0%	57.3	56.8	-0.5	-0.9%	
38.3%	57.1	56.7	-0.4	-0.7%	
39.5%	57.1	56.7	-0.4	-0.7%	
40.7%	57.1	56.7	-0.4	-0.7%	
42.0%	57.0	56.6	-0.4	-0.7%	
43.2%	57.0	56.6	-0.4	-0.7%	
44.4%	57.0	56.6	-0.4	-0.7%	
45.7%	56.8	56.5	-0.3	-0.5%	
46.9%	56.8	56.5	-0.3	-0.6%	
48.1%	56.7	56.5	-0.2	-0.4%	
49.4%	56.7	56.3	-0.4	-0.7%	
50.6%	56.6	56.2	-0.5	-0.8%	
51.9%	56.6	56.2	-0.4	-0.7%	
53.1%	56.5	56.1	-0.4	-0.7%	
54.3%	56.3	56.1	-0.2	-0.4%	
55.6%	56.3	56.1	-0.2	-0.3%	
56.8%	56.0	56.0	0.0	0.0%	
58.0%	56.0	55.9	-0.1	-0.2%	
59.3%	56.0	55.9	-0.1	-0.2%	
60.5%	56.0	55.8	-0.1	-0.2%	
61.7%	55.9	55.8	-0.1	-0.2%	
63.0%	55.9	55.8	-0.1	-0.2%	
64.2%	55.9	55.8	-0.1	-0.3%	
65.4%	55.8	55.7	-0.1	-0.2%	
66.7%	55.8	55.7	-0.2	-0.3%	
67.9%	55.8	55.7	-0.1	-0.3%	
69.1%	55.8	55.6	-0.1	-0.3%	
70.4%	55.8	55.6	-0.1	-0.3%	
71.6%	55.7	55.6	-0.1	-0.3%	
72.8%	55.7	55.5	-0.1	-0.2%	
74.1%	55.6	55.5	-0.1	-0.1%	
75.3%	55.6	55.5	-0.1	-0.2%	
76.5%	55.6	55.5	-0.1	-0.2%	
77.8%	55.6	55.4	-0.1	-0.3%	
79.0%	55.5	55.4	-0.1	-0.2%	
80.2%	55.5	55.4	-0.1	-0.2%	
81.5%	55.4	55.3	-0.1	-0.1%	
82.7%	55.4	55.3	0.0	-0.1%	
84.0%	55.4	55.3	0.0	-0.1%	
85.2%	55.3	55.2	-0.1	-0.2%	
86.4%	55.2	55.1	-0.1	-0.2%	
87.7%	55.2	55.1	-0.1	-0.2%	
88.9%	55.0	54.9	-0.1	-0.1%	
90.1%	54.9	54.7	-0.2	-0.4%	
91.4%	54.9	54.6	-0.3	-0.5%	
92.6%	54.6	54.6	0.0	0.0%	
93.8%	54.5	54.5	0.0	-0.1%	
95.1%	54.5	54.4	-0.1	-0.2%	
96.3%	54.5	54.2	-0.3	-0.5%	
97.5%	54.5	54.1	-0.4	-0.8%	
98.8%	54.3	54.0	-0.3	-0.5%	
100.0%	54.2	53.9	-0.2	-0.4%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	65.8	62.3	-3.5	-5.3%	
1.2%	63.5	61.0	-2.5	-4.0%	
2.5%	62.9	61.0	-1.9	-3.1%	
3.7%	61.2	59.3	-1.9	-3.1%	
4.9%	61.1	59.2	-2.0	-3.2%	
6.2%	61.1	59.1	-2.0	-3.2%	
7.4%	61.0	59.0	-1.6	-2.6%	
8.6%	60.5	58.8	-1.7	-2.8%	
9.9%	60.0	58.8	-1.2	-2.1%	
11.1%	60.0	58.6	-1.4	-2.3%	
12.3%	59.6	58.5	-1.1	-1.8%	
13.6%	59.4	58.5	-0.9	-1.6%	
14.8%	59.2	58.4	-0.8	-1.4%	
16.0%	59.1	58.3	-0.8	-1.3%	
17.3%	59.0	58.2	-0.8	-1.4%	
18.5%	59.0	58.1	-0.8	-1.4%	
19.8%	58.9	58.1	-0.8	-1.4%	
21.0%	58.7	58.0	-0.7	-1.1%	
22.2%	58.7	58.0	-0.7	-1.1%	
23.5%	58.5	58.0	-0.6	-1.0%	
24.7%	58.5	57.7	-0.8	-1.3%	
25.9%	58.4	57.5	-0.9	-1.5%	
27.2%	58.3	57.5	-0.8	-1.4%	
28.4%	58.3	57.5	-0.8	-1.4%	
29.6%	58.3	57.5	-0.8	-1.4%	
30.9%	58.2	57.4	-0.8	-1.3%	
32.1%	58.1	57.4	-0.7	-1.3%	
33.3%	58.1	57.4	-0.7	-1.2%	
34.6%	57.9	57.3	-0.7	-1.2%	
35.8%	57.8	57.1	-0.7	-1.2%	
37.0%	57.8	57.1	-0.7	-1.2%	
38.3%	57.7	57.1	-0.7	-1.2%	
39.5%	57.6	57.0	-0.5	-0.9%	
40.7%	57.6	57.0	-0.5	-0.9%	
42.0%	57.5	57.0	-0.5	-0.9%	
43.2%	57.4	57.0	-0.5	-0.8%	
44.4%	57.3	57.0	-0.4	-0.7%	
45.7%	57.3	56.9	-0.3	-0.6%	
46.9%	57.3	56.6	-0.7	-1.1%	
48.1%	57.2	56.5	-0.7	-1.2%	
49.4%	57.1	56.5	-0.5	-0.9%	
50.6%	56.8	56.4	-0.4	-0.7%	
51.9%	56.6	56.4	-0.2	-0.4%	
53.1%	56.6	56.4	-0.2	-0.4%	
54.3%	56.6	56.4	-0.2	-0.4%	
55.6%	56.6	56.3	-0.2	-0.4%	
56.8%	56.4	56.2	-0.2	-0.4%	
58.0%	56.3	56.2	-0.1	-0.1%	
59.3%	56.3	56.1	-0.2	-0.3%	
60.5%	56.3	56.1	-0.2	-0.3%	
61.7%	56.2	56.1	-0.2	-0.3%	
63.0%	56.2	55.9	-0.3	-0.6%	
64.2%	56.2	55.9	-0.3	-0.5%	
65.4%	56.2	55.9	-0.3	-0.6%	
66.7%	56.0	55.8	-0.2	-0.4%	
67.9%	56.0	55.7	-0.3	-0.5%	
69.1%	56.0	55.7	-0.3	-0.5%	
70.4%	55.9	55.7	-0.2	-0.4%	
71.6%	55.9	55.6	-0.3	-0.5%	
72.8%	55.8	55.6	-0.2	-0.4%	
74.1%	55.8	55.6	-0.2	-0.4%	
75.3%	55.7	55.5	-0.2	-0.4%	
76.5%	55.6	55.5	-0.1	-0.3%	
77.8%</					

Table SQ7-1a  
Sacramento River at Red Bluff, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	56.7	53.3	48.3	46.3	47.2	50.2	53.6	56.3	57.2	57.9	59.0	58.6
DCR 2015 With Project	56.6	53.3	48.4	46.4	47.2	50.3	53.7	56.5	57.8	57.9	58.7	57.7
Difference	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.5	-0.1	-0.3	-0.8
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.1%	0.1%	0.2%	0.4%	0.9%	-0.1%	-0.6%	-1.4%	
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	55.9	53.9	48.8	46.1	46.4	48.8	52.4	55.5	57.3	58.0	58.2	55.2
DCR 2015 With Project	56.1	54.0	48.9	46.1	46.5	48.8	52.5	55.5	57.2	57.8	58.2	55.1
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	-0.2
Percent Difference	0.4%	0.3%	0.2%	0.0%	0.0%	0.1%	0.2%	0.0%	-0.2%	-0.3%	0.0%	-0.3%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	56.1	53.2	48.3	46.5	46.9	50.0	53.9	56.8	57.1	56.9	58.4	57.1
DCR 2015 With Project	55.8	53.1	48.6	46.5	46.9	50.0	54.0	56.6	57.7	57.0	58.2	56.7
Difference	-0.3	-0.1	0.3	0.1	0.0	0.1	0.0	-0.1	0.7	0.1	-0.2	-0.4
Percent Difference	-0.5%	-0.2%	0.7%	0.1%	0.0%	0.2%	0.0%	-0.3%	1.2%	0.2%	-0.3%	-0.6%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	56.1	52.4	48.1	46.0	47.0	50.5	54.2	56.5	56.5	57.3	58.5	59.5
DCR 2015 With Project	55.7	52.3	48.1	46.1	47.0	50.5	54.2	56.7	57.7	57.3	58.5	58.6
Difference	-0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.2	1.2	0.0	0.0	-0.8
Percent Difference	-0.6%	-0.1%	0.0%	0.2%	0.0%	0.2%	0.0%	0.4%	2.2%	0.0%	0.0%	-1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	56.9	52.9	48.0	46.4	47.8	51.3	54.3	56.2	56.8	57.6	59.5	60.5
DCR 2015 With Project	56.9	52.9	48.0	46.4	47.8	51.4	54.4	56.6	57.7	57.6	59.0	59.0
Difference	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.9	0.1	-0.5	-1.4
Percent Difference	0.0%	-0.1%	0.1%	0.2%	0.1%	0.2%	0.2%	0.6%	1.7%	0.1%	-0.8%	-2.4%
<b>Critical (15%)</b>												
DCR 2015 Without Project	59.3	53.9	48.2	47.1	48.5	51.9	54.2	57.2	58.8	60.2	61.5	63.5
DCR 2015 With Project	59.3	53.9	48.4	47.1	48.7	51.9	54.7	58.3	59.0	59.8	60.2	61.6
Difference	0.0	0.0	0.1	0.0	0.1	0.0	0.5	1.0	0.2	-0.3	-1.3	-1.9
Percent Difference	-0.1%	0.0%	0.3%	0.0%	0.3%	0.1%	0.8%	1.8%	0.4%	-0.6%	-2.1%	-3.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

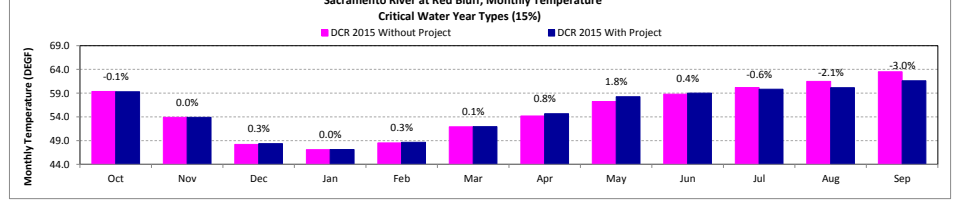
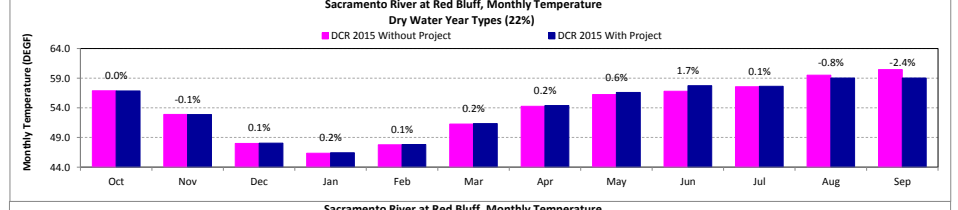
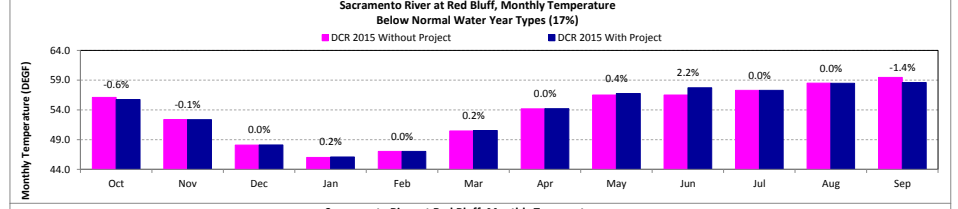
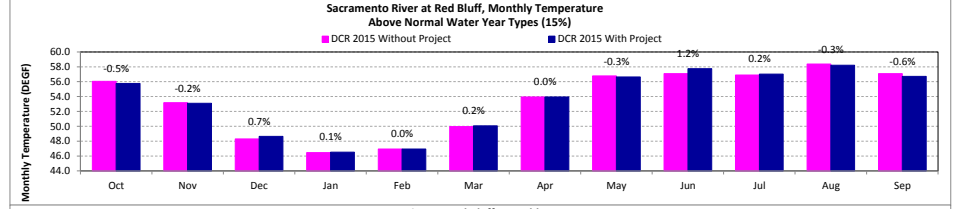
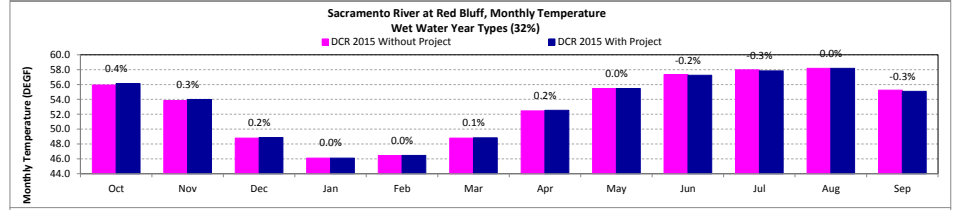
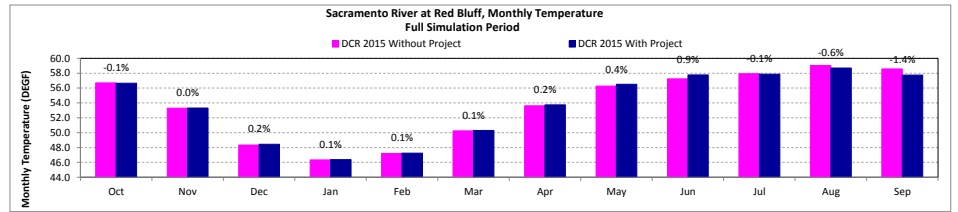


Figure SQ7-1b  
Sacramento River at Red Bluff, Monthly Temperature  
Probability of Exceedance

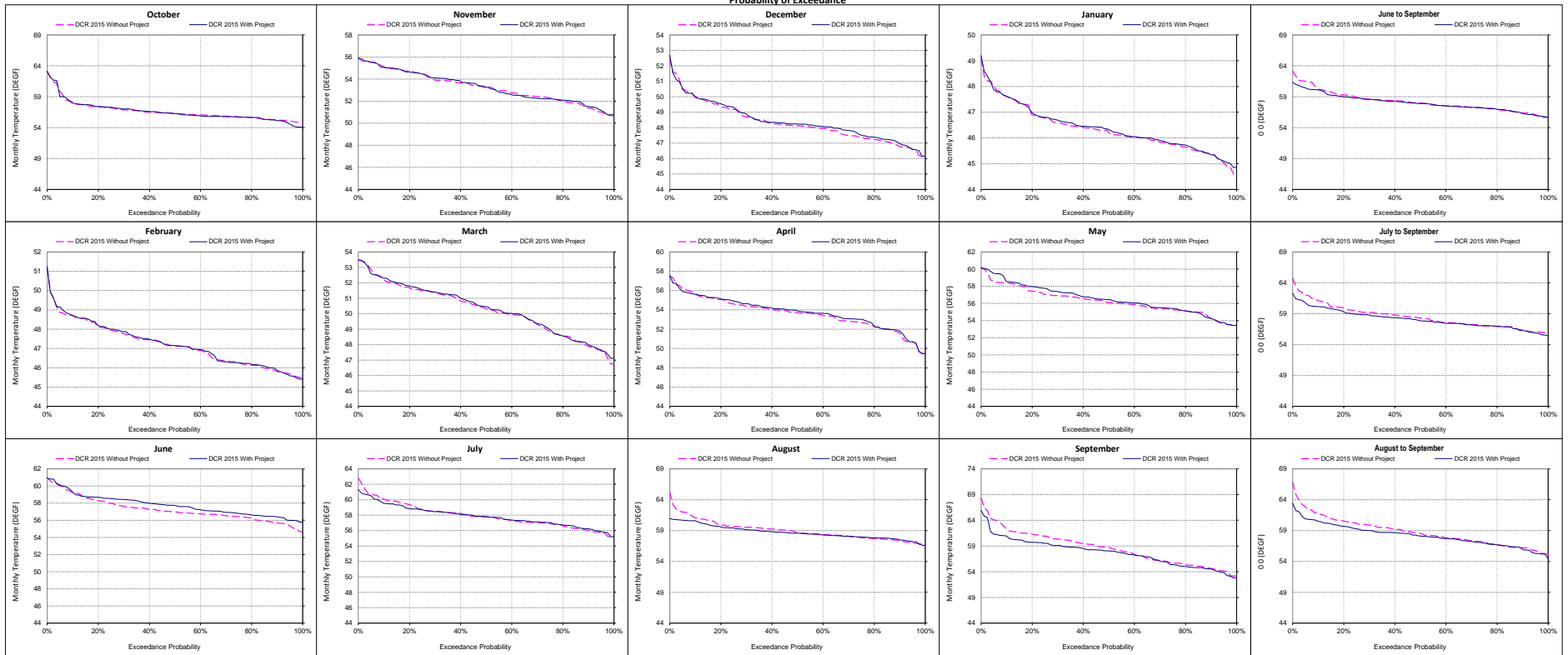


Table SQ7-1b  
Sacramento River at Red Bluff, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	63.0	63.0	0.1	0.2%	
1.2%	62.0	62.2	0.1	0.2%	
2.5%	61.4	61.7	0.3	0.4%	
3.7%	61.1	61.6	0.5	0.9%	
4.9%	59.9	59.0	-0.9	-1.4%	
6.2%	59.3	58.0	-1.3	-2.5%	
7.4%	58.5	58.3	0.4	0.7%	
8.6%	58.4	58.3	-0.1	-0.2%	
9.9%	58.2	58.0	-0.2	-0.3%	
11.1%	57.8	57.9	0.1	0.1%	
12.3%	57.7	57.8	0.0	0.1%	
13.6%	57.7	57.7	0.0	0.0%	
14.8%	57.7	57.7	0.1	0.1%	
16.0%	57.5	57.7	0.1	0.2%	
17.3%	57.4	57.7	0.2	0.4%	
18.5%	57.4	57.5	0.0	0.1%	
19.8%	57.4	57.4	0.0	0.0%	
21.0%	57.4	57.4	0.0	-0.1%	
22.2%	57.3	57.4	0.1	0.1%	
23.5%	57.2	57.3	0.1	0.2%	
24.7%	57.2	57.3	0.1	0.2%	
25.9%	57.2	57.2	0.1	0.1%	
27.2%	57.0	57.1	0.1	0.3%	
28.4%	57.0	57.1	0.1	0.3%	
29.6%	56.9	57.0	0.2	0.3%	
30.9%	56.9	57.0	0.2	0.3%	
32.1%	56.8	57.0	0.2	0.3%	
33.3%	56.8	56.9	0.2	0.3%	
34.6%	56.8	56.8	0.0	0.1%	
35.8%	56.7	56.7	0.0	0.0%	
37.0%	56.6	56.7	0.1	0.2%	
38.3%	56.5	56.7	0.1	0.2%	
39.5%	56.5	56.6	0.1	0.2%	
40.7%	56.5	56.6	0.1	0.2%	
42.0%	56.4	56.6	0.1	0.3%	
43.2%	56.4	56.5	0.1	0.2%	
44.4%	56.4	56.4	0.0	0.0%	
45.7%	56.4	56.4	0.0	-0.1%	
46.9%	56.4	56.4	0.0	-0.1%	
48.1%	56.4	56.3	-0.1	-0.1%	
49.4%	56.3	56.3	-0.1	-0.1%	
50.6%	56.3	56.3	0.0	0.0%	
51.9%	56.2	56.2	0.0	-0.1%	
53.1%	56.2	56.1	-0.1	-0.2%	
54.3%	56.2	56.1	-0.1	-0.2%	
55.6%	56.1	56.0	-0.1	-0.2%	
56.8%	56.1	56.0	-0.1	-0.1%	
58.0%	56.1	56.0	-0.2	-0.3%	
59.3%	55.9	55.9	-0.1	-0.3%	
60.5%	56.1	55.9	-0.2	-0.3%	
61.7%	56.0	55.9	-0.2	-0.3%	
63.0%	56.0	55.8	-0.2	-0.3%	
64.2%	56.0	55.8	-0.2	-0.3%	
65.4%	56.0	55.8	-0.1	-0.3%	
66.7%	55.9	55.8	-0.1	-0.2%	
67.9%	55.9	55.8	-0.1	-0.2%	
69.1%	55.9	55.8	-0.1	-0.2%	
70.4%	55.8	55.8	-0.1	-0.1%	
71.6%	55.8	55.8	-0.1	-0.1%	
72.8%	55.8	55.8	0.0	0.0%	
74.1%	55.8	55.8	0.0	0.0%	
75.3%	55.8	55.7	-0.1	-0.1%	
76.5%	55.7	55.7	0.0	-0.1%	
77.8%	55.7	55.7	0.0	-0.1%	
79.0%	55.7	55.7	0.0	-0.1%	
80.2%	55.7	55.7	0.0	0.0%	
81.5%	55.6	55.6	0.1	0.1%	
82.7%	55.5	55.6	0.1	0.3%	
84.0%	55.5	55.4	-0.1	-0.1%	
85.2%	55.4	55.4	0.0	0.0%	
86.4%	55.4	55.3	-0.1	-0.1%	
87.7%	55.3	55.3	0.0	-0.1%	
88.9%	55.3	55.3	0.0	-0.1%	
90.1%	55.3	55.1	-0.1	-0.2%	
91.4%	55.2	55.1	-0.1	-0.1%	
92.6%	55.2	55.1	-0.1	-0.2%	
93.8%	55.1	54.8	-0.3	-0.5%	
95.1%	55.1	54.6	-0.5	-1.0%	
96.3%	55.0	54.3	-0.7	-1.3%	
97.5%	54.9	54.1	-0.8	-1.5%	
98.8%	54.8	54.1	-0.7	-1.2%	
100.0%	54.8	54.1	-0.7	-1.2%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	55.9	55.9	0.0	-0.1%	
1.2%	55.7	55.8	0.2	0.3%	
2.5%	55.6	55.6	0.0	0.0%	
3.7%	55.5	55.6	0.1	0.1%	
4.9%	55.5	55.6	0.0	0.0%	
6.2%	55.5	55.5	0.0	0.1%	
7.4%	55.4	55.4	0.0	0.1%	
8.6%	55.3	55.1	-0.2	-0.3%	
9.9%	55.1	55.1	0.0	-0.1%	
11.1%	55.0	55.0	0.0	0.0%	
12.3%	55.0	55.0	0.1	0.1%	
13.6%	54.9	55.0	0.1	0.1%	
14.8%	54.9	54.9	0.0	0.1%	
16.0%	54.9	54.9	0.0	0.0%	
17.3%	54.8	54.8	0.0	0.1%	
18.5%	54.7	54.7	-0.1	-0.1%	
19.8%	54.7	54.7	-0.1	-0.1%	
21.0%	54.7	54.6	-0.1	-0.2%	
22.2%	54.6	54.6	0.0	0.0%	
23.5%	54.6	54.6	0.0	0.0%	
24.7%	54.5	54.4	-0.1	-0.2%	
25.9%	54.4	54.4	0.0	0.1%	
27.2%	54.3	54.2	-0.1	-0.2%	
28.4%	54.1	54.2	0.1	0.2%	
29.6%	53.9	54.1	0.2	0.4%	
30.9%	53.9	54.1	0.2	0.4%	
32.1%	53.9	54.1	0.2	0.4%	
33.3%	53.9	54.1	0.2	0.4%	
34.6%	53.9	54.0	0.2	0.3%	
35.8%	53.8	54.0	0.1	0.2%	
37.0%	53.8	53.9	0.2	0.3%	
38.3%	53.7	53.9	0.2	0.4%	
39.5%	53.7	53.9	0.2	0.4%	
40.7%	53.6	53.7	0.0	0.1%	
42.0%	53.6	53.7	0.1	0.1%	
43.2%	53.6	53.7	0.1	0.2%	
44.4%	53.4	53.6	0.2	0.3%	
45.7%	53.4	53.6	0.2	0.3%	
46.9%	53.4	53.4	0.0	0.0%	
48.1%	53.3	53.3	0.0	-0.1%	
49.4%	53.3	53.3	-0.1	-0.1%	
50.6%	53.3	53.2	0.0	-0.1%	
51.9%	53.3	53.1	-0.2	-0.3%	
53.1%	53.1	53.1	0.0	0.0%	
54.3%	53.0	52.9	-0.1	-0.1%	
55.6%	53.0	52.8	-0.2	-0.3%	
56.8%	52.9	52.8	-0.2	-0.3%	
58.0%	52.8	52.7	-0.3	-0.5%	
59.3%	52.8	52.6	-0.1	-0.3%	
60.5%	52.7	52.5	-0.2	-0.4%	
61.7%	52.7	52.5	-0.2	-0.4%	
63.0%	52.6	52.5	0.0	-0.1%	
64.2%	52.5	52.5	-0.1	-0.1%	
65.4%	52.5	52.4	-0.1	-0.3%	
66.7%	52.5	52.3	-0.2	-0.3%	
67.9%	52.5	52.3	-0.1	-0.3%	
69.1%	52.4	52.3	-0.2	-0.3%	
70.4%	52.4	52.2	-0.2	-0.3%	
71.6%	52.4	52.2	-0.1	-0.3%	
72.8%	52.4	52.2	-0.1	-0.3%	
74.1%	52.3	52.2	-0.1	-0.3%	
75.3%	52.3	52.2	-0.1	-0.1%	
76.5%	52.2	52.2	0.0	0.0%	
77.8%	52.1	52.1	0.0	0.0%	
79.0%	52.1	52.1	0.1	0.1%	
80.2%	52.0	52.1	0.1	0.2%	
81.5%	51.9	52.1	0.2	0.3%	
82.7%	51.9	52.1	0.2	0.4%	
84.0%	51.8	52.0	0.2	0.3%	
85.2%	51.8	52.0	0.2	0.3%	
86.4%	51.8	52.0	0.2	0.4%	
87.7%	51.6	51.8	0.2	0.3%	
88.9%	51.5	51.5	0.1	0.2%	
90.1%	51.4	51.4	0.3	0.1%	
91.4%	51.3	51.5	0.1	0.3%	
92.6%	51.2	51.4	0.3	0.5%	
93.8%	51.0	51.3	0.3	0.5%	
95.1%	51.0	51.1	0.1	0.2%	
96.3%	50.9	51.0	0.1	0.2%	
97.5%	50.8	50.8	0.0	0.0%	
98.8%	50.7	50.8	0.1	0.1%	
100.0%	50.7	50.8	0.1	0.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	52.5	52.7	0.2	0.4%	
1.2%	51.6	51.5	0.0	-0.1%	
2.5%	51.5	51.0	-0.4	-0.8%	
3.7%	51.1	51.0	-0.2	-0.3%	
4.9%	50.5	50.6	0.1	0.2%	
6.2%	50.0	50.3	0.1	-0.3%	
7.4%	50.3	50.2	-0.1	-0.1%	
8.6%	50.2	50.0	0.0	0.0%	
9.9%	50.0	50.0	-0.1	-0.1%	
11.1%	49.9	49.9	-0.1	-0.1%	
12.3%	49.8	49.9	0.0	0.1%	
13.6%	49.8	49.8	0.1	0.1%	
14.8%	49.7	49.8	0.1	0.2%	
16.0%	49.6	49.7	0.1	0.1%	
17.3%	49.5	49.7	0.2	0.3%	
18.5%	49.5	49.6	0.1	0.2%	
19.8%	49.4	49.6	0.2	0.2%	
21.0%	49.3	49.5	0.2	0.3%	
22.2%	49.3	49.4	0.1	0.2%	
23.5%	49.2	49.4	0.2	0.3%	
24.7%	49.2	49.3	0.2	0.3%	
25.9%	49.2	49.2	0.0	0.1%	
27.2%	48.9	49.0	0.1	0.2%	
28.4%	48.8	48.8	0.0	0.1%	
29.6%	48.7	48.9	0.2	0.4%	
30.9%	48.7	48.7	0.1	0.1%	
32.1%	48.7	48.7	0.0	0.0%	
33.3%	48.5	48.5	0.0	0.1%	
34.6%	48.5	48.5	0.0	0.3%	
35.8%	48.5	48.4	-0.1	-0.2%	
37.0%	48.5	48.4	-0.1	-0.2%	
38.3%	48.3	48.4	0.0	0.1%	
39.5%	48.3	48.4	0.1	0.1%	
40.7%	48.3	48.3	0.1	0.2%	
42.0%	48.2	48.3	0.1	0.2%	
43.2%	48.2	48.3	0.1	0.2%	
44.4%	48.2	48.3	0.1	0.3%	
45.7%	48.2	48.3	0.1	0.2%	
46.9%	48.2	48.2	0.1	0.2%	
48.1%	48.1	48.2	0.1	0.2%	
49.4%	48.1	48.2	0.1	0.2%	
50.6%	48.1	48.2	0.1	0.2%	
51.9%	48.1	48.2	0.1	0.3%	
53.1%	48.1	48.2	0.1	0.2%	
54.3%	48.1	48.2	0.1	0.2%	
55.6%	48.0	48.2	0.2	0.3%	
56.8%	48.0	48.1	0.1	0.3%	
58.0%	48.0	48.1	0.1	0.3%	
59.3%	48.0	48.1	0.1	0.3%	
60.5%	47.9	48.0	0.1	0.2%	
61.7%	47.9	48.0	0.2	0.3%	
63.0%	47.8	48.0	0.2	0.5%	
64.2%	47.8	48.0	0.2	0.5%	
65.4%	47.8	48.0	0.2	0.3%	
66.7%	47.6	47.9	0.3	0.6%	
67.9%	47.5	47.9	0.3	0.7%	
69.1%	47.5	47.8	0.3	0.7%	
70.4%	47.5	47.8	0.3	0.7%	
71.6%	47.5	47.8	0.3	0.6%	
72.8%	47.5	47.7	0.2	0.5%	
74.1%	47.4	47.6	0.2	0.4%	
75.3%	47.4	47.5	0.1	0.2%	
76.5%	47.3	47.5	0.2	0.1%	
77.8%	47.3	47.4	0.1	0.	



Table SQ7-1b  
Sacramento River at Red Bluff, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.1	48.0	0.1	0.3%	
1.2%	49.9	49.9	0.0	0.0%	
2.5%	49.6	49.6	0.0	0.0%	
3.7%	49.2	49.2	0.0	0.0%	
4.9%	48.9	49.2	0.3	0.6%	
6.2%	48.8	49.0	0.2	0.3%	
7.4%	48.7	48.9	0.1	0.2%	
8.6%	48.7	48.8	0.1	0.1%	
9.9%	48.7	48.7	0.0	0.0%	
11.1%	48.6	48.7	0.1	0.1%	
12.3%	48.6	48.6	0.0	0.0%	
13.6%	48.6	48.6	0.0	0.0%	
14.8%	48.5	48.6	0.0	0.0%	
16.0%	48.4	48.5	0.1	0.2%	
17.3%	48.4	48.4	0.1	0.1%	
18.5%	48.4	48.4	0.0	0.0%	
19.8%	48.1	48.2	0.1	0.2%	
21.0%	48.1	48.1	0.0	0.1%	
22.2%	48.1	48.1	0.1	0.1%	
23.5%	48.0	48.1	0.0	0.1%	
24.7%	48.0	48.0	0.0	0.1%	
25.9%	47.9	48.0	0.1	0.2%	
27.2%	47.9	48.0	0.1	0.2%	
28.4%	47.8	47.9	0.1	0.2%	
29.6%	47.8	47.9	0.1	0.2%	
30.9%	47.7	47.9	0.2	0.3%	
32.1%	47.7	47.7	0.0	0.1%	
33.3%	47.6	47.7	0.1	0.1%	
34.6%	47.5	47.6	0.0	0.1%	
35.8%	47.5	47.6	0.1	0.2%	
37.0%	47.5	47.5	0.1	0.1%	
38.3%	47.5	47.5	0.1	0.1%	
39.5%	47.5	47.5	0.0	0.1%	
40.7%	47.4	47.5	0.0	0.0%	
42.0%	47.4	47.4	0.0	0.0%	
43.2%	47.4	47.4	0.0	-0.1%	
44.4%	47.3	47.3	0.0	0.0%	
45.7%	47.2	47.2	0.0	0.0%	
46.9%	47.2	47.2	-0.1	-0.1%	
48.1%	47.1	47.2	0.0	0.0%	
49.4%	47.1	47.2	0.0	0.1%	
50.6%	47.1	47.1	0.0	0.0%	
51.9%	47.1	47.1	0.0	0.0%	
53.1%	47.1	47.1	0.0	0.0%	
54.3%	47.1	47.1	0.0	0.0%	
55.6%	47.1	47.1	0.0	0.0%	
56.8%	47.0	47.0	0.0	0.0%	
58.0%	46.9	47.0	0.1	0.1%	
59.3%	46.9	46.9	0.0	0.1%	
60.5%	46.9	46.9	0.0	0.1%	
61.7%	46.8	46.9	0.1	0.2%	
63.0%	46.7	46.8	0.1	0.2%	
64.2%	46.5	46.7	0.2	0.4%	
65.4%	46.5	46.6	0.2	0.4%	
66.7%	46.4	46.4	-0.1	-0.1%	
67.9%	46.4	46.3	0.0	-0.1%	
69.1%	46.4	46.3	0.0	-0.1%	
70.4%	46.4	46.3	0.0	-0.1%	
71.6%	46.3	46.3	0.0	-0.1%	
72.8%	46.3	46.3	-0.1	-0.1%	
74.1%	46.3	46.3	0.0	0.0%	
75.3%	46.3	46.2	0.0	-0.1%	
76.5%	46.2	46.2	0.0	0.1%	
77.8%	46.2	46.2	0.0	0.1%	
79.0%	46.2	46.2	0.1	0.1%	
80.2%	46.1	46.2	0.0	0.1%	
81.5%	46.1	46.2	0.0	0.1%	
82.7%	46.1	46.1	0.0	0.0%	
84.0%	46.0	46.1	0.1	0.2%	
85.2%	46.0	46.1	0.1	0.2%	
86.4%	46.0	46.0	0.1	0.1%	
87.7%	45.9	46.0	0.1	0.2%	
88.9%	45.9	46.0	0.1	0.2%	
90.1%	45.8	46.0	0.1	0.2%	
91.4%	45.8	45.8	0.0	0.0%	
92.6%	45.7	45.7	0.0	0.0%	
93.8%	45.7	45.7	-0.1	-0.2%	
95.1%	45.7	45.6	-0.1	-0.2%	
96.3%	45.6	45.6	0.0	0.0%	
97.5%	45.6	45.5	-0.1	-0.2%	
98.8%	45.5	45.4	-0.1	-0.2%	
100.0%	45.4	45.4	-0.1	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.4	53.5	0.0	0.1%	
1.2%	53.4	53.4	0.0	0.0%	
2.5%	53.4	53.3	-0.1	-0.1%	
3.7%	53.1	53.1	-0.1	-0.1%	
4.9%	52.9	52.9	-0.3	-0.5%	
6.2%	52.6	52.5	-0.1	-0.1%	
7.4%	52.5	52.5	0.1	0.1%	
8.6%	52.4	52.4	-0.1	-0.2%	
9.9%	52.2	52.3	0.1	0.2%	
11.1%	52.1	52.3	0.2	0.5%	
12.3%	52.0	52.1	0.1	0.2%	
13.6%	52.0	52.1	0.1	0.2%	
14.8%	52.0	52.0	0.0	0.1%	
16.0%	51.8	52.0	0.1	0.2%	
17.3%	51.7	51.9	0.2	0.4%	
18.5%	51.7	51.8	0.1	0.2%	
19.8%	51.7	51.8	0.1	0.2%	
21.0%	51.6	51.7	0.2	0.3%	
22.2%	51.6	51.7	0.1	0.3%	
23.5%	51.6	51.7	0.1	0.2%	
24.7%	51.5	51.6	0.1	0.2%	
25.9%	51.5	51.5	0.0	0.0%	
27.2%	51.5	51.5	0.1	0.1%	
28.4%	51.4	51.4	0.0	0.0%	
29.6%	51.4	51.4	0.0	0.1%	
30.9%	51.3	51.4	0.1	0.1%	
32.1%	51.3	51.3	0.0	0.1%	
33.3%	51.2	51.3	0.1	0.1%	
34.6%	51.2	51.3	0.1	0.1%	
35.8%	51.2	51.2	0.1	0.1%	
37.0%	51.1	51.2	0.1	0.2%	
38.3%	51.0	51.2	0.2	0.4%	
39.5%	50.9	51.1	0.2	0.4%	
40.7%	50.8	50.9	0.2	0.3%	
42.0%	50.8	50.9	0.1	0.3%	
43.2%	50.7	50.8	0.0	0.1%	
44.4%	50.6	50.8	0.2	0.3%	
45.7%	50.6	50.7	0.1	0.2%	
46.9%	50.4	50.5	0.1	0.2%	
48.1%	50.4	50.5	0.1	0.1%	
49.4%	50.4	50.5	0.1	0.2%	
50.6%	50.3	50.4	0.2	0.4%	
51.9%	50.3	50.3	0.0	0.0%	
53.1%	50.2	50.3	0.1	0.1%	
54.3%	50.1	50.3	0.2	0.4%	
55.6%	50.1	50.2	0.2	0.3%	
56.8%	50.0	50.1	0.0	0.1%	
58.0%	50.0	50.0	0.0	0.1%	
59.3%	50.0	50.0	0.1	0.1%	
60.5%	49.9	50.0	0.1	0.1%	
61.7%	49.9	50.0	0.1	0.2%	
63.0%	49.9	50.0	0.1	0.1%	
64.2%	49.9	49.9	0.0	0.0%	
65.4%	49.8	49.8	0.0	0.0%	
66.7%	49.6	49.6	0.0	0.1%	
67.9%	49.5	49.6	0.1	0.2%	
69.1%	49.4	49.4	0.0	0.1%	
70.4%	49.3	49.3	0.1	0.1%	
71.6%	49.2	49.3	0.2	0.3%	
72.8%	49.1	49.2	0.1	0.2%	
74.1%	48.9	49.1	0.1	0.3%	
75.3%	48.8	48.9	0.1	0.3%	
76.5%	48.7	48.7	0.0	0.0%	
77.8%	48.7	48.7	0.0	-0.1%	
79.0%	48.6	48.6	0.0	0.1%	
80.2%	48.6	48.5	0.0	0.0%	
81.5%	48.5	48.5	0.0	-0.1%	
82.7%	48.5	48.4	-0.1	-0.2%	
84.0%	48.3	48.2	-0.1	-0.2%	
85.2%	48.2	48.2	0.0	0.0%	
86.4%	48.2	48.2	0.0	0.0%	
87.7%	48.1	48.2	0.1	0.1%	
88.9%	48.0	48.1	0.2	0.3%	
90.1%	48.0	48.0	0.1	0.2%	
91.4%	47.8	47.9	0.1	0.2%	
92.6%	47.7	47.8	0.1	0.2%	
93.8%	47.7	47.7	0.0	0.1%	
95.1%	47.7	47.6	-0.1	-0.2%	
96.3%	47.6	47.6	0.0	0.0%	
97.5%	47.1	47.4	0.3	0.6%	
98.8%	46.7	47.1	0.4	0.8%	
100.0%	46.7	47.1	0.4	0.8%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	57.5	57.6	0.1	0.1%	
1.2%	57.3	56.8	-0.6	-1.0%	
2.5%	56.6	56.7	0.1	0.3%	
3.7%	56.5	56.3	-0.3	-0.5%	
4.9%	56.2	55.9	-0.3	-0.5%	
6.2%	56.1	55.8	-0.3	-0.5%	
7.4%	56.0	55.7	-0.2	-0.4%	
8.6%	55.8	55.7	-0.2	-0.3%	
9.9%	55.8	55.6	-0.1	-0.3%	
11.1%	55.5	55.5	0.1	0.1%	
12.3%	55.4	55.5	0.1	0.2%	
13.6%	55.3	55.5	0.2	0.3%	
14.8%	55.3	55.3	0.1	0.1%	
16.0%	55.2	55.3	0.0	0.1%	
17.3%	55.2	55.3	0.1	0.2%	
18.5%	55.1	55.3	0.2	0.3%	
19.8%	55.1	55.1	0.1	0.1%	
21.0%	55.1	55.1	0.0	0.1%	
22.2%	54.8	55.1	0.3	0.5%	
23.5%	54.7	55.0	0.3	0.6%	
24.7%	54.6	54.9	0.3	0.5%	
25.9%	54.5	54.9	0.4	0.7%	
27.2%	54.5	54.8	0.3	0.5%	
28.4%	54.5	54.7	0.2	0.3%	
29.6%	54.4	54.6	0.2	0.5%	
30.9%	54.3	54.6	0.3	0.5%	
32.1%	54.3	54.5	0.1	0.3%	
33.3%	54.3	54.5	0.2	0.3%	
34.6%	54.3	54.5	0.2	0.4%	
35.8%	54.2	54.3	0.1	0.1%	
37.0%	54.2	54.3	0.1	0.2%	
38.3%	54.1	54.2	0.1	0.2%	
39.5%	54.1	54.2	0.1	0.2%	
40.7%	54.0	54.1	0.1	0.2%	
42.0%	54.0	54.1	0.1	0.2%	
43.2%	53.9	54.1	0.1	0.3%	
44.4%	53.9	54.1	0.2	0.3%	
45.7%	53.9	54.0	0.1	0.2%	
46.9%	53.8	54.0	0.2	0.4%	
48.1%	53.7	54.0	0.3	0.4%	
49.4%	53.7	54.0	0.2	0.5%	
50.6%	53.7	53.8	0.2	0.4%	
51.9%	53.7	53.8	0.2	0.3%	
53.1%	53.7	53.8	0.1	0.2%	
54.3%	53.6	53.8	0.1	0.2%	
55.6%	53.6	53.7	0.1	0.2%	
56.8%	53.6	53.7	0.1	0.2%	
58.0%	53.5	53.7	0.1	0.2%	
59.3%	53.5	53.6	0.2	0.3%	
60.5%	53.4	53.6	0.2	0.5%	
61.7%	53.4	53.6	0.2	0.4%	
63.0%	53.4	53.5	0.1	0.3%	
64.2%	53.3	53.4	0.1	0.1%	
65.4%	53.0	53.3	0.3	0.6%	
66.7%	52.9	53.2	0.4	0.7%	
67.9%	52.8	53.1	0.2	0.4%	
69.1%	52.9	53.1	0.2	0.4%	
70.4%	52.8	53.1	0.3	0.5%	
71.6%	52.8	53.1	0.3	0.5%	
72.8%	52.7	53.0	0.3	0.6%	
74.1%	52.7	53.0	0.3	0.5%	
75.3%	52.7	53.0	0.3	0.7%	
76.5%	52.6	52.9	0.3	0.5%	
77.8%	52.5	52.8	0.2	0.5%	
79.0%	52.4	52.7	0.3		

Table SQ7-1b  
Sacramento River at Red Bluff, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	61.0	61.3	-0.1	-0.2%	
1.2%	60.6	60.8	0.2	0.4%	
2.5%	60.4	60.8	0.4	0.7%	
3.7%	60.3	60.2	-0.1	-0.1%	
4.9%	60.2	60.0	-0.1	-0.2%	
6.2%	59.9	60.0	0.1	0.2%	
7.4%	59.6	60.3	0.7	0.9%	
8.6%	59.5	59.7	0.2	0.4%	
9.9%	59.2	59.3	0.1	0.1%	
11.1%	59.2	59.0	-0.2	-0.3%	
12.3%	59.1	58.9	-0.2	-0.3%	
13.6%	58.9	58.8	-0.1	-0.1%	
14.8%	58.6	58.8	0.1	0.3%	
16.0%	58.6	58.7	0.1	0.2%	
17.3%	58.5	58.7	0.2	0.4%	
18.5%	58.4	58.7	0.3	0.6%	
19.8%	58.3	58.7	0.4	0.7%	
21.0%	58.2	58.7	0.4	0.7%	
22.2%	58.2	58.6	0.4	0.6%	
23.5%	58.1	58.6	0.5	0.8%	
24.7%	58.0	58.6	0.6	1.0%	
25.9%	57.9	58.5	0.6	1.0%	
27.2%	57.7	58.5	0.8	1.3%	
28.4%	57.7	58.0	0.3	0.5%	
29.6%	57.6	58.4	0.8	1.4%	
30.9%	57.6	58.4	0.8	1.5%	
32.1%	57.5	58.4	0.9	1.5%	
33.3%	57.5	58.4	0.9	1.5%	
34.6%	57.4	58.3	0.9	1.5%	
35.8%	57.4	58.2	0.8	1.4%	
37.0%	57.4	58.1	0.7	1.2%	
38.3%	57.4	58.0	0.6	1.1%	
39.5%	57.3	58.0	0.7	1.3%	
40.7%	57.3	58.0	0.7	1.2%	
42.0%	57.3	57.9	0.7	1.2%	
43.2%	57.2	57.9	0.7	1.3%	
44.4%	57.1	57.9	0.7	1.3%	
45.7%	57.1	57.8	0.7	1.3%	
46.9%	57.0	57.8	0.7	1.3%	
48.1%	57.0	57.8	0.7	1.3%	
49.4%	57.0	57.7	0.8	1.4%	
50.6%	57.0	57.7	0.7	1.3%	
51.9%	56.9	57.6	0.7	1.2%	
53.1%	56.9	57.6	0.7	1.2%	
54.3%	56.8	57.6	0.7	1.3%	
55.6%	56.8	57.6	0.7	1.3%	
56.8%	56.8	57.4	0.6	1.1%	
58.0%	56.8	57.3	0.5	0.9%	
59.3%	56.8	57.3	0.5	0.9%	
60.5%	56.7	57.2	0.5	0.8%	
61.7%	56.7	57.1	0.4	0.8%	
63.0%	56.7	57.1	0.4	0.7%	
64.2%	56.7	57.1	0.4	0.7%	
65.4%	56.7	57.1	0.4	0.7%	
66.7%	56.7	57.1	0.4	0.7%	
67.9%	56.6	57.0	0.4	0.7%	
69.1%	56.6	56.9	0.4	0.6%	
70.4%	56.5	56.9	0.4	0.7%	
71.6%	56.5	56.9	0.5	0.8%	
72.8%	56.4	56.9	0.4	0.8%	
74.1%	56.4	56.8	0.4	0.7%	
75.3%	56.4	56.8	0.4	0.6%	
76.5%	56.4	56.7	0.4	0.7%	
77.8%	56.4	56.7	0.4	0.7%	
79.0%	56.3	56.7	0.4	0.6%	
80.2%	56.2	56.6	0.4	0.7%	
81.5%	56.0	56.6	0.5	1.0%	
82.7%	56.0	56.6	0.6	1.0%	
84.0%	56.0	56.5	0.6	1.0%	
85.2%	55.9	56.5	0.5	1.0%	
86.4%	55.9	56.5	0.6	1.1%	
87.7%	55.8	56.5	0.6	1.2%	
88.9%	55.7	56.4	0.7	1.3%	
90.1%	55.7	56.4	0.7	1.3%	
91.4%	55.7	56.3	0.7	1.2%	
92.6%	55.6	56.3	0.7	1.2%	
93.8%	55.5	56.0	0.5	0.9%	
95.1%	55.4	56.0	0.6	1.1%	
96.3%	55.1	56.0	0.9	1.6%	
97.5%	55.0	55.9	0.9	1.6%	
98.8%	54.7	55.8	1.1	2.1%	
100.0%	54.7	55.8	1.1	2.1%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	62.8	61.3	-1.5	-2.4%	
1.2%	62.1	60.8	-1.3	-2.0%	
2.5%	61.4	60.7	-0.7	-1.1%	
3.7%	60.8	60.6	-0.2	-0.4%	
4.9%	60.7	60.5	-0.2	-0.2%	
6.2%	60.6	60.1	-0.5	-0.8%	
7.4%	60.5	60.0	-0.5	-0.9%	
8.6%	60.1	59.8	-0.3	-0.6%	
9.9%	60.1	59.5	-0.5	-0.9%	
11.1%	59.9	59.5	-0.4	-0.7%	
12.3%	59.8	59.5	-0.4	-0.6%	
13.6%	59.8	59.4	-0.4	-0.6%	
14.8%	59.8	59.3	-0.5	-0.8%	
16.0%	59.6	59.3	-0.3	-0.5%	
17.3%	59.6	59.2	-0.4	-0.7%	
18.5%	59.5	58.9	-0.5	-0.9%	
19.8%	59.4	58.9	-0.5	-0.9%	
21.0%	59.3	58.8	-0.4	-0.7%	
22.2%	59.1	58.8	-0.3	-0.5%	
23.5%	58.8	58.8	0.0	0.0%	
24.7%	58.7	58.8	0.1	0.1%	
25.9%	58.7	58.6	-0.1	-0.1%	
27.2%	58.5	58.6	0.0	0.0%	
28.4%	58.5	58.5	0.0	0.0%	
29.6%	58.5	58.5	0.0	-0.1%	
30.9%	58.5	58.5	0.0	-0.1%	
32.1%	58.5	58.4	-0.1	-0.1%	
33.3%	58.4	58.4	0.0	0.0%	
34.6%	58.3	58.3	0.0	0.0%	
35.8%	58.3	58.3	0.0	-0.1%	
37.0%	58.3	58.2	-0.1	-0.1%	
38.3%	58.3	58.2	-0.1	-0.1%	
39.5%	58.3	58.1	-0.2	-0.3%	
40.7%	58.1	58.1	-0.1	-0.1%	
42.0%	58.1	58.1	0.0	-0.1%	
43.2%	57.9	58.0	0.1	0.2%	
44.4%	57.9	58.0	0.2	0.3%	
45.7%	57.8	57.9	0.0	0.0%	
46.9%	57.8	57.9	0.1	0.1%	
48.1%	57.8	57.8	0.0	0.1%	
49.4%	57.8	57.8	0.0	0.1%	
50.6%	57.8	57.8	0.0	0.0%	
51.9%	57.8	57.7	-0.1	-0.1%	
53.1%	57.8	57.7	-0.1	-0.1%	
54.3%	57.5	57.7	0.2	0.3%	
55.6%	57.5	57.7	0.2	0.4%	
56.8%	57.5	57.5	0.0	0.1%	
58.0%	57.4	57.4	0.0	0.0%	
59.3%	57.3	57.4	0.0	0.1%	
60.5%	57.3	57.4	0.0	0.0%	
61.7%	57.2	57.3	0.1	0.3%	
63.0%	57.2	57.3	0.1	0.3%	
64.2%	57.1	57.3	0.2	0.4%	
65.4%	57.1	57.2	0.2	0.3%	
66.7%	57.1	57.2	0.2	0.3%	
67.9%	57.1	57.2	0.1	0.2%	
69.1%	57.0	57.1	0.1	0.2%	
70.4%	57.0	57.1	0.1	0.2%	
71.6%	57.0	57.1	0.1	0.2%	
72.8%	57.0	57.1	0.1	0.2%	
74.1%	57.0	57.0	0.1	0.1%	
75.3%	56.9	57.0	0.2	0.3%	
76.5%	56.8	56.8	0.0	0.0%	
77.8%	56.8	56.8	0.0	0.0%	
79.0%	56.8	56.8	0.0	0.0%	
80.2%	56.6	56.7	0.1	0.2%	
81.5%	56.5	56.7	0.2	0.3%	
82.7%	56.4	56.7	0.3	0.5%	
84.0%	56.3	56.6	0.3	0.5%	
85.2%	56.3	56.4	0.2	0.3%	
86.4%	56.2	56.3	0.1	0.2%	
87.7%	56.2	56.3	0.1	0.1%	
88.9%	56.0	56.3	0.2	0.3%	
90.1%	56.0	56.2	0.2	0.4%	
91.4%	55.8	56.1	0.3	0.5%	
92.6%	55.8	56.0	0.2	0.3%	
93.8%	55.8	56.0	0.2	0.3%	
95.1%	55.8	55.9	0.1	0.1%	
96.3%	55.7	55.8	0.0	0.0%	
97.5%	55.2	55.7	0.5	0.9%	
98.8%	55.2	55.2	0.0	0.0%	
100.0%	55.2	55.2	0.0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.2	60.9	-4.3	-6.6%	
1.2%	63.2	60.8	-2.4	-3.8%	
2.5%	62.5	60.8	-1.8	-2.8%	
3.7%	62.2	60.7	-1.4	-2.3%	
4.9%	62.0	60.7	-1.3	-2.1%	
6.2%	62.0	60.7	-1.3	-2.1%	
7.4%	61.8	60.6	-1.2	-1.9%	
8.6%	61.4	60.6	-0.8	-1.3%	
9.9%	61.1	60.6	-0.5	-0.8%	
11.1%	61.1	60.4	-0.7	-1.1%	
12.3%	60.9	60.2	-0.6	-1.1%	
13.6%	60.8	60.1	-0.7	-1.2%	
14.8%	60.7	60.0	-0.7	-1.1%	
16.0%	60.6	59.8	-0.8	-1.3%	
17.3%	60.5	59.7	-0.8	-1.3%	
18.5%	60.0	59.7	-0.4	-0.6%	
19.8%	59.9	59.6	-0.3	-0.5%	
21.0%	59.9	59.5	-0.4	-0.7%	
22.2%	59.8	59.5	-0.3	-0.5%	
23.5%	59.7	59.4	-0.3	-0.5%	
24.7%	59.7	59.4	-0.3	-0.5%	
25.9%	59.7	59.3	-0.3	-0.6%	
27.2%	59.6	59.3	-0.4	-0.6%	
28.4%	59.3	59.3	0.0	-0.6%	
29.6%	59.6	59.1	-0.4	-0.7%	
30.9%	59.5	59.1	-0.4	-0.7%	
32.1%	59.5	59.1	-0.4	-0.7%	
33.3%	59.5	59.1	-0.4	-0.7%	
34.6%	59.4	59.0	-0.4	-0.8%	
35.8%	59.4	58.9	-0.5	-0.8%	
37.0%	59.3	59.9	0.4	-0.7%	
38.3%	59.3	59.9	0.4	-0.7%	
39.5%	59.3	58.8	-0.4	-0.7%	
40.7%	59.2	58.8	-0.5	-0.8%	
42.0%	59.2	58.8	-0.4	-0.7%	
43.2%	59.1	58.7	-0.4	-0.7%	
44.4%	59.1	58.7	-0.4	-0.6%	
45.7%	59.1	58.6	-0.4	-0.7%	
46.9%	59.0	58.6	-0.4	-0.7%	
48.1%	58.9	58.6	-0.3	-0.6%	
49.4%	58.7	58.6	-0.1	-0.3%	
50.6%	58.6	58.6	-0.1	-0.1%	
51.9%	58.6	58.5	0.0	-0.1%	
53.1%	58.5	58.5	-0.1	-0.1%	
54.3%	58.5	58.5	-0.1	-0.1%	
55.6%	58.5	58.4	-0.1	-0.1%	
56.8%	58.4	58.4	0.0	0.0%	
58.0%	58.4	58.4	0.0	0.1%	
59.3%	58.4	58.3	-0.1	-0.1%	
60.5%	58.3	58.3	0.0	-0.1%	
61.7%	58.3	58.3	0.0	-0.1%	
63.0%	58.3	58.2	-0.1	-0.2%	
64.2%	58.3	58.2	-0.1	-0.2%	
65.4%	58.3	58.2	-0.1	-0.2%	
66.7%	58.2	58.2	-0.1	-0.1%	
67.9%	58.2	58.1	-0.1	-0.2%	
69.1%	58.2	58.1	-0.1	-0.2%	
70.4%	58.1	58.0	0.0	0.0%	
71.6%	58.0	58.0	0.1	0.1%	
72.8%	57.9	58.0	0.1	0.1%	
74.1%	57.9	58.0	0.1	0.1%	
75.3%	57.8	58.0	0.1	0.2%	
76.5%	57.8	57.9	0.1	0.3%	
77.8%	57.8	57.9	0.1	0.2%	
79.0%	57.7	57.8	0.1		

Table SQ7-1b  
Sacramento River at Red Bluff, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.1	61.3	-1.8	-2.9%	
1.2%	62.4	61.0	-1.4	-2.3%	
2.5%	61.6	60.8	-0.8	-1.3%	
3.7%	61.6	60.5	-1.0	-1.7%	
4.9%	61.5	60.5	-1.0	-1.7%	
6.2%	61.4	60.2	-1.2	-2.0%	
7.4%	61.4	60.2	-1.2	-2.0%	
8.6%	60.8	60.1	-0.7	-1.1%	
9.9%	60.2	60.1	-0.1	-0.2%	
11.1%	60.2	60.0	-0.2	-0.3%	
12.3%	60.0	59.8	-0.2	-0.3%	
13.6%	59.9	59.4	-0.6	-1.0%	
14.8%	59.8	59.2	-0.6	-1.0%	
16.0%	59.6	59.2	-0.4	-0.7%	
17.3%	59.4	59.2	-0.3	-0.5%	
18.5%	59.3	59.1	-0.3	-0.4%	
19.8%	59.3	59.0	-0.3	-0.5%	
21.0%	59.3	59.0	-0.3	-0.5%	
22.2%	59.2	59.0	-0.2	-0.4%	
23.5%	59.1	58.8	-0.3	-0.5%	
24.7%	59.0	58.8	-0.2	-0.3%	
25.9%	58.8	58.8	0.0	0.1%	
27.2%	58.8	58.7	-0.1	-0.2%	
28.4%	58.7	58.6	-0.1	-0.2%	
29.6%	58.6	58.6	-0.1	-0.1%	
30.9%	58.5	58.6	0.0	0.1%	
32.1%	58.5	58.5	0.0	0.0%	
33.3%	58.5	58.5	0.0	0.0%	
34.6%	58.5	58.4	-0.1	-0.2%	
35.8%	58.4	58.3	-0.1	-0.1%	
37.0%	58.4	58.3	-0.1	-0.2%	
38.3%	58.4	58.3	-0.1	-0.2%	
39.5%	58.4	58.3	-0.1	-0.2%	
40.7%	58.4	58.2	-0.2	-0.3%	
42.0%	58.3	58.2	-0.1	-0.2%	
43.2%	58.3	58.2	-0.1	-0.2%	
44.4%	58.2	58.1	-0.1	-0.2%	
45.7%	58.1	58.0	-0.1	-0.2%	
46.9%	58.0	58.0	-0.1	-0.1%	
48.1%	58.0	58.0	-0.1	-0.1%	
49.4%	58.0	57.9	-0.1	-0.2%	
50.6%	58.0	57.9	-0.1	-0.1%	
51.9%	57.9	57.9	-0.1	-0.1%	
53.1%	57.8	57.8	0.0	0.0%	
54.3%	57.6	57.8	0.2	0.3%	
55.6%	57.6	57.7	0.1	0.2%	
56.8%	57.6	57.6	0.0	0.0%	
58.0%	57.5	57.6	0.0	0.1%	
59.3%	57.5	57.6	0.0	0.0%	
60.5%	57.5	57.5	0.0	0.0%	
61.7%	57.5	57.4	-0.1	-0.2%	
63.0%	57.5	57.4	-0.1	-0.1%	
64.2%	57.5	57.4	-0.1	-0.2%	
65.4%	57.5	57.4	-0.1	-0.2%	
66.7%	57.4	57.4	-0.1	-0.1%	
67.9%	57.4	57.3	0.0	-0.1%	
69.1%	57.3	57.3	0.0	0.0%	
70.4%	57.3	57.3	0.0	0.0%	
71.6%	57.2	57.3	0.1	0.1%	
72.8%	57.2	57.3	0.1	0.1%	
74.1%	57.2	57.2	0.0	0.1%	
75.3%	57.1	57.2	0.0	0.1%	
76.5%	57.1	57.1	0.0	-0.1%	
77.8%	57.1	57.1	-0.1	-0.1%	
79.0%	57.0	57.1	0.0	0.1%	
80.2%	57.0	57.0	0.0	-0.1%	
81.5%	56.8	56.9	0.1	0.2%	
82.7%	56.8	56.9	0.2	0.3%	
84.0%	56.7	56.8	0.1	0.2%	
85.2%	56.7	56.8	0.1	0.2%	
86.4%	56.6	56.6	0.0	0.0%	
87.7%	56.5	56.6	0.1	0.1%	
88.9%	56.4	56.5	0.1	0.2%	
90.1%	56.4	56.2	-0.1	-0.2%	
91.4%	56.4	56.2	-0.2	-0.4%	
92.6%	56.4	56.1	-0.2	-0.4%	
93.8%	56.2	56.1	-0.1	-0.2%	
95.1%	56.1	55.9	-0.2	-0.3%	
96.3%	55.8	55.9	0.1	0.2%	
97.5%	55.7	55.9	0.2	0.3%	
98.8%	55.7	55.8	0.1	0.2%	
100.0%	55.6	55.7	0.0	0.1%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	64.7	62.3	-2.4	-3.7%	
1.2%	63.5	61.4	-2.0	-3.2%	
2.5%	62.7	61.3	-1.4	-2.2%	
3.7%	62.4	61.2	-1.3	-2.0%	
4.9%	62.0	60.8	-1.2	-1.9%	
6.2%	62.0	60.4	-1.6	-2.5%	
7.4%	61.5	60.2	-1.3	-2.1%	
8.6%	61.4	60.2	-1.2	-1.9%	
9.9%	61.1	60.1	-1.0	-1.6%	
11.1%	61.0	60.1	-0.9	-1.5%	
12.3%	60.8	60.1	-0.7	-1.1%	
13.6%	60.8	59.9	-0.9	-1.5%	
14.8%	60.1	59.9	-0.3	-0.4%	
16.0%	60.1	59.7	-0.4	-0.7%	
17.3%	60.1	59.6	-0.5	-0.8%	
18.5%	60.0	59.5	-0.5	-0.8%	
19.8%	60.0	59.4	-0.6	-1.0%	
21.0%	59.6	59.1	-0.5	-0.9%	
22.2%	59.6	59.1	-0.6	-1.0%	
23.5%	59.6	59.0	-0.6	-0.9%	
24.7%	59.5	58.9	-0.6	-1.0%	
25.9%	59.4	58.9	-0.5	-0.8%	
27.2%	59.2	58.8	-0.4	-0.7%	
28.4%	59.2	58.6	-0.4	-0.7%	
29.6%	59.2	58.8	-0.4	-0.6%	
30.9%	59.2	58.6	-0.6	-0.9%	
32.1%	59.2	58.6	-0.5	-0.9%	
33.3%	59.0	58.6	-0.4	-0.6%	
34.6%	59.0	58.5	-0.4	-0.8%	
35.8%	59.0	58.5	-0.5	-0.8%	
37.0%	59.0	58.5	-0.5	-0.9%	
38.3%	58.9	58.4	-0.6	-1.0%	
39.5%	58.8	58.4	-0.4	-0.7%	
40.7%	58.8	58.3	-0.4	-0.7%	
42.0%	58.6	58.3	-0.3	-0.6%	
43.2%	58.6	58.3	-0.3	-0.6%	
44.4%	58.6	58.2	-0.3	-0.6%	
45.7%	58.5	58.2	-0.3	-0.5%	
46.9%	58.5	58.1	-0.4	-0.6%	
48.1%	58.4	58.0	-0.4	-0.7%	
49.4%	58.3	57.9	-0.4	-0.7%	
50.6%	58.3	57.8	-0.4	-0.7%	
51.9%	58.2	57.8	-0.4	-0.7%	
53.1%	58.2	57.8	-0.4	-0.7%	
54.3%	57.9	57.8	-0.1	-0.2%	
55.6%	57.8	57.6	-0.2	-0.4%	
56.8%	57.8	57.6	-0.2	-0.3%	
58.0%	57.7	57.6	-0.1	-0.2%	
59.3%	57.6	57.5	-0.1	-0.1%	
60.5%	57.6	57.4	-0.1	-0.2%	
61.7%	57.5	57.4	-0.1	-0.2%	
63.0%	57.5	57.4	-0.1	-0.1%	
64.2%	57.4	57.4	0.0	0.0%	
65.4%	57.4	57.4	0.0	0.0%	
66.7%	57.4	57.3	0.0	-0.1%	
67.9%	57.3	57.2	-0.1	-0.1%	
69.1%	57.3	57.2	-0.1	-0.1%	
70.4%	57.3	57.2	-0.1	-0.2%	
71.6%	57.2	57.1	-0.1	-0.2%	
72.8%	57.2	57.1	-0.1	-0.2%	
74.1%	57.1	57.1	-0.1	-0.1%	
75.3%	57.0	57.1	0.0	0.0%	
76.5%	57.0	57.1	0.0	0.0%	
77.8%	57.0	57.0	0.0	0.0%	
79.0%	57.0	57.0	-0.1	-0.1%	
80.2%	57.0	56.9	-0.1	-0.1%	
81.5%	57.0	56.9	-0.1	-0.1%	
82.7%	56.9	56.9	-0.1	-0.1%	
84.0%	56.9	56.9	0.0	0.0%	
85.2%	56.9	56.9	0.0	0.0%	
86.4%	56.8	56.6	-0.3	-0.5%	
87.7%	56.5	56.6	0.1	0.1%	
88.9%	56.5	56.3	-0.2	-0.3%	
90.1%	56.4	56.3	-0.1	-0.2%	
91.4%	56.3	56.2	-0.1	-0.1%	
92.6%	56.1	56.0	-0.1	-0.2%	
93.8%	56.1	56.0	-0.1	-0.2%	
95.1%	56.0	55.9	-0.2	-0.3%	
96.3%	56.0	55.8	-0.2	-0.4%	
97.5%	56.0	55.6	-0.4	-0.8%	
98.8%	55.9	55.5	-0.3	-0.6%	
100.0%	55.6	55.4	-0.2	-0.4%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	66.8	63.4	-3.3	-5.0%	
1.2%	64.8	62.3	-2.6	-4.0%	
2.5%	64.0	62.1	-1.9	-3.0%	
3.7%	63.2	61.3	-1.9	-3.1%	
4.9%	62.9	60.9	-2.0	-3.1%	
6.2%	62.4	60.8	-1.6	-2.5%	
7.4%	62.3	60.8	-1.6	-2.5%	
8.6%	61.9	60.7	-1.2	-1.9%	
9.9%	61.9	60.5	-1.4	-2.2%	
11.1%	61.6	60.4	-1.1	-1.8%	
12.3%	61.5	60.2	-1.3	-2.0%	
13.6%	61.1	60.2	-0.9	-1.5%	
14.8%	61.0	60.1	-0.9	-1.5%	
16.0%	60.8	60.0	-0.8	-1.4%	
17.3%	60.7	59.9	-0.8	-1.3%	
18.5%	60.7	59.8	-0.9	-1.5%	
19.8%	60.6	59.7	-0.9	-1.4%	
21.0%	60.4	59.7	-0.8	-1.3%	
22.2%	60.3	59.6	-0.7	-1.2%	
23.5%	60.3	59.4	-0.9	-1.5%	
24.7%	60.2	59.3	-0.9	-1.6%	
25.9%	60.0	59.2	-0.8	-1.4%	
27.2%	60.4	59.1	-0.9	-1.5%	
28.4%	60.0	59.0	-0.9	-1.5%	
29.6%	59.9	59.0	-0.9	-1.5%	
30.9%	59.9	59.0	-0.9	-1.5%	
32.1%	59.7	58.8	-0.9	-1.5%	
33.3%	59.5	58.8	-0.8	-1.3%	
34.6%	59.5	58.7	-0.8	-1.4%	
35.8%	59.5	58.7	-0.8	-1.4%	
37.0%	59.5	59.7	0.0	-0.1%	
38.3%	59.4	58.7	-0.7	-1.2%	
39.5%	59.2	58.7	-0.5	-0.9%	
40.7%	59.2	58.6	-0.6	-0.9%	
42.0%	59.2	58.6	-0.6	-1.0%	
43.2%	59.0	58.6	-0.4	-0.7%	
44.4%	58.9	58.5	-0.3	-0.6%	
45.7%	58.8	58.5	-0.3	-0.5%	
46.9%	58.7	58.3	-0.4	-0.7%	
48.1%	58.7	58.3	-0.4	-0.6%	
49.4%	58.6	58.1	-0.5	-0.8%	
50.6%	58.5	58.1	-0.4	-0.6%	
51.9%	58.2	58.1	-0.2	-0.3%	
53.1%	58.2	58.0	-0.2	-0.3%	
54.3%	58.2	58.0	-0.2	-0.4%	
55.6%	58.2	57.9	-0.3	-0.5%	
56.8%	58.0	57.9	-0.1	-0.2%	
58.0%	58.0	57.8	-0.2	-0.4%	
59.3%	57.9	57.7	-0.2	-0.3%	
60.5%	57.8	57.7	-0.1	-0.2%	
61.7%	57.8	57.7	-0.1	-0.2%	
63.0%	57.8	57.7	-0.1	-0.2%	
64.2%	57.7	57.6	-0.1	-0.2%	
65.4%	57.7	57.5	-0.2	-0.3%	
66.7%	57.6	57.4	-0.2	-0.4%	
67.9%	57.5	57.3	-0.2	-0.3%	
69.1%	57.4	57.3	0.0	-0.1%	
70.4%	57.4	57.2	-0.1	-0.2%	
71.6%	57.3	57.1	-0.2	-0.3%	
72.8%	57.2	57.1	-0.2	-0.3%	
74.1%	57.2	57.0	-0.2	-0.4%	
75.3%	57.2	57.0	-0.2	-0.4%	
76.5%	56.9	56.8	-0.1	-0.2%	
77.8%	56.9	56.8	-0.1	-0.2%	
79.0%	56.8	56.7	-		

Table SQ8-1a  
Sacramento River below Red Bluff, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	56.7	53.3	48.3	46.3	47.2	50.2	53.6	56.2	57.2	57.8	59.0	58.5
DCR 2015 With Project	56.6	53.3	48.4	46.4	47.2	50.3	53.7	56.4	57.7	57.8	58.6	57.7
Difference	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.5	-0.1	-0.3	-0.8
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.2%	0.1%	0.1%	0.2%	0.4%	0.9%	-0.1%	-0.6%	-1.4%	-1.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	55.9	53.8	48.8	46.1	46.4	48.8	52.4	55.4	57.3	57.9	58.1	55.2
DCR 2015 With Project	56.1	54.0	48.9	46.1	46.4	48.8	52.5	55.4	57.2	57.8	58.1	55.0
Difference	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	-0.2
Percent Difference	0.4%	0.3%	0.2%	0.0%	0.0%	0.1%	0.2%	0.0%	-0.2%	-0.2%	0.0%	-0.3%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	56.0	53.2	48.3	46.5	46.9	49.9	53.9	56.7	57.0	56.8	58.3	57.0
DCR 2015 With Project	55.7	53.1	48.6	46.5	46.9	50.0	53.9	56.6	57.7	56.9	58.1	56.6
Difference	-0.3	-0.1	0.3	0.1	0.0	0.1	0.0	-0.1	0.7	0.1	-0.2	-0.4
Percent Difference	-0.5%	-0.2%	0.7%	0.1%	0.0%	0.2%	0.0%	-0.2%	1.2%	0.2%	-0.3%	-0.6%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	56.1	52.4	48.1	46.0	47.0	50.4	54.1	56.4	56.4	57.2	58.4	59.4
DCR 2015 With Project	55.7	52.3	48.1	46.1	47.0	50.5	54.1	56.7	57.6	57.2	58.4	58.5
Difference	-0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.2	1.2	0.0	0.0	-0.8
Percent Difference	-0.6%	-0.1%	0.0%	0.2%	0.0%	0.1%	0.0%	0.4%	2.1%	0.0%	-0.1%	-1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	56.8	52.9	48.0	46.4	47.7	51.2	54.2	56.2	56.7	57.5	59.4	60.4
DCR 2015 With Project	56.8	52.9	48.0	46.4	47.8	51.3	54.3	56.5	57.7	57.5	58.9	58.9
Difference	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.9	0.1	-0.5	-1.4
Percent Difference	0.0%	-0.1%	0.1%	0.2%	0.1%	0.2%	0.2%	0.6%	1.7%	0.1%	-0.8%	-2.4%
<b>Critical (15%)</b>												
DCR 2015 Without Project	59.3	53.9	48.2	47.1	48.5	51.9	54.1	57.2	58.7	60.1	61.4	63.4
DCR 2015 With Project	59.3	53.9	48.4	47.1	48.6	51.9	54.6	58.2	58.9	59.8	60.1	61.5
Difference	0.0	0.0	0.1	0.0	0.1	0.0	0.5	1.0	0.2	-0.3	-1.3	-1.9
Percent Difference	-0.1%	0.0%	0.3%	0.0%	0.3%	0.1%	0.8%	1.8%	0.4%	-0.6%	-2.1%	-3.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

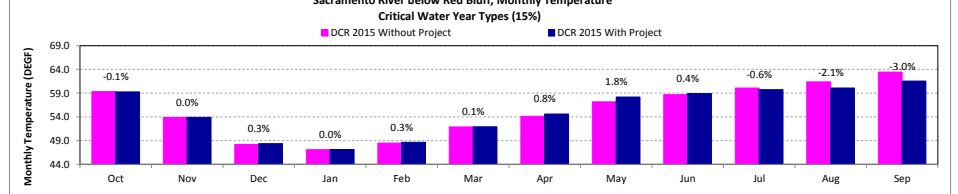
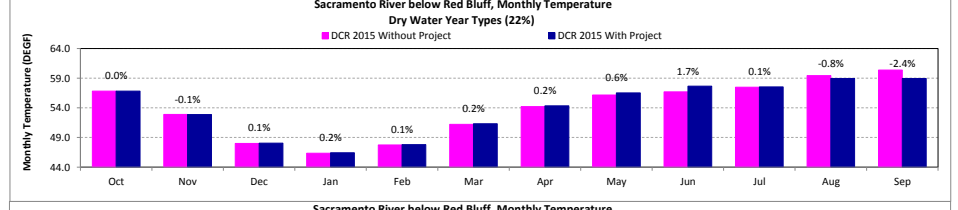
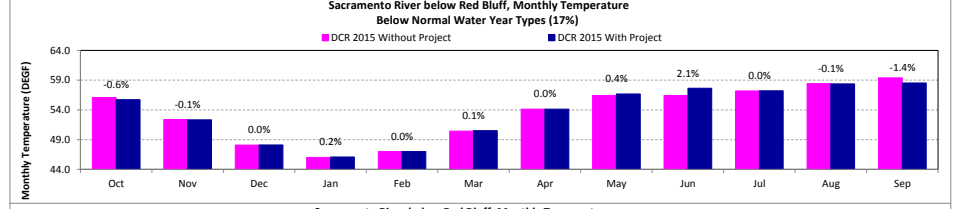
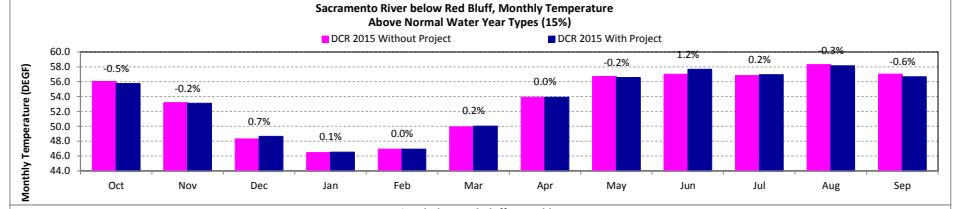
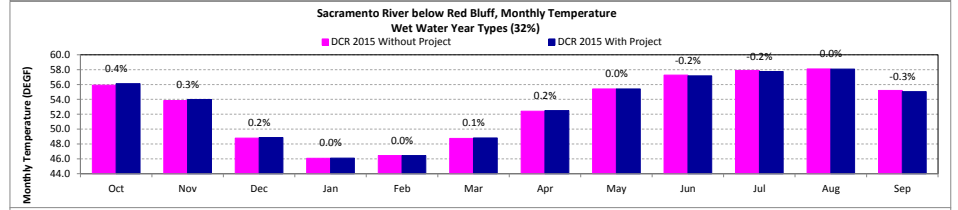
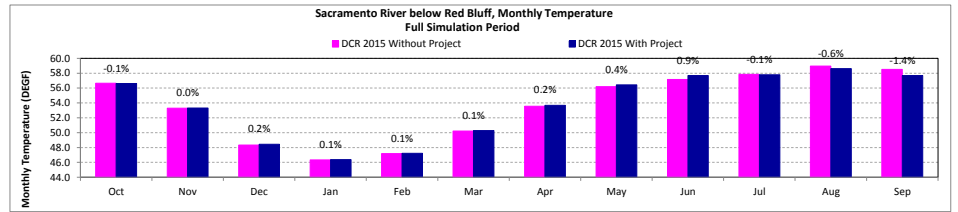


Figure SQ8-1b  
 Sacramento River below Red Bluff, Monthly Temperature  
 Probability of Exceedance

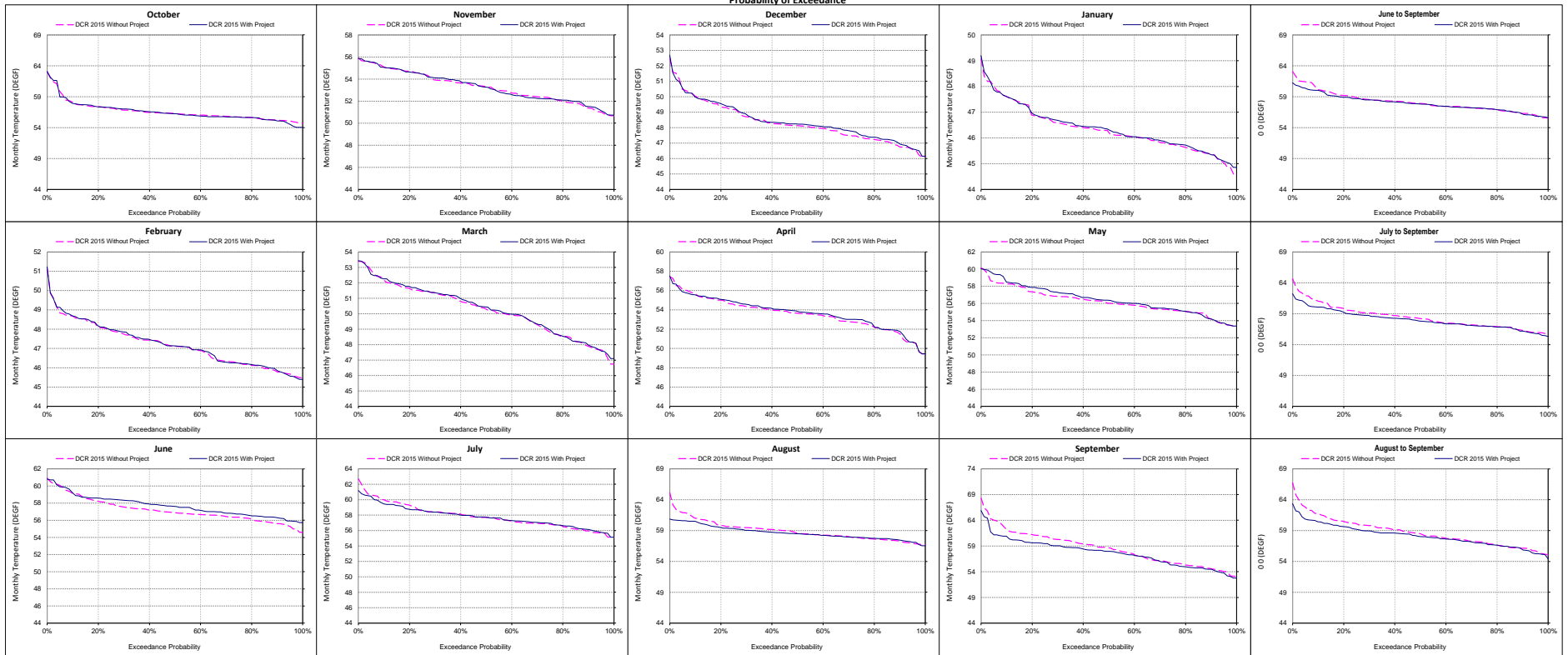


Table SQ8-1b  
Sacramento River below Red Bluff, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	63.0	63.1	0.1	0.2%	
1.2%	62.0	62.2	0.1	0.2%	
2.5%	61.4	61.7	0.2	0.4%	
3.7%	61.1	61.6	0.5	0.9%	
4.9%	59.8	59.0	-0.9	-1.5%	
6.2%	59.2	58.9	-0.3	-0.5%	
7.4%	58.4	58.8	0.4	0.7%	
8.6%	58.4	58.2	-0.1	-0.2%	
9.9%	58.1	57.9	-0.2	-0.4%	
11.1%	57.8	57.8	0.1	0.1%	
12.3%	57.7	57.8	0.0	0.1%	
13.6%	57.7	57.7	0.0	0.0%	
14.8%	57.6	57.7	0.1	0.2%	
16.0%	57.5	57.7	0.1	0.3%	
17.3%	57.4	57.6	0.2	0.4%	
18.5%	57.4	57.5	0.0	0.1%	
19.8%	57.4	57.4	0.0	0.0%	
21.0%	57.4	57.3	0.0	-0.1%	
22.2%	57.3	57.3	0.1	0.1%	
23.5%	57.2	57.3	0.1	0.2%	
24.7%	57.1	57.3	0.1	0.3%	
25.9%	57.1	57.2	0.1	0.1%	
27.2%	57.0	57.1	0.2	0.3%	
28.4%	56.9	57.1	0.1	0.2%	
29.6%	56.8	57.0	0.2	0.3%	
30.9%	56.8	57.0	0.2	0.3%	
32.1%	56.8	57.0	0.2	0.3%	
33.3%	56.7	56.9	0.2	0.3%	
34.6%	56.7	56.8	0.0	0.0%	
35.8%	56.7	56.7	0.0	0.0%	
37.0%	56.6	56.7	0.1	0.2%	
38.3%	56.5	56.6	0.1	0.2%	
39.5%	56.5	56.6	0.1	0.2%	
40.7%	56.5	56.6	0.1	0.2%	
42.0%	56.4	56.6	0.1	0.3%	
43.2%	56.4	56.5	0.1	0.2%	
44.4%	56.4	56.4	0.0	0.0%	
45.7%	56.4	56.3	0.0	-0.1%	
46.9%	56.4	56.3	0.0	-0.1%	
48.1%	56.3	56.3	0.0	0.0%	
49.4%	56.3	56.2	-0.1	-0.1%	
50.6%	56.2	56.2	0.0	0.0%	
51.9%	56.2	56.2	0.0	-0.1%	
53.1%	56.2	56.1	-0.1	-0.2%	
54.3%	56.1	56.0	-0.1	-0.2%	
55.6%	56.1	56.0	-0.1	-0.2%	
56.8%	56.1	56.0	-0.1	-0.1%	
58.0%	56.1	55.9	-0.1	-0.3%	
59.3%	56.0	55.9	-0.1	-0.3%	
60.5%	56.0	55.8	-0.2	-0.3%	
61.7%	56.0	55.8	-0.2	-0.3%	
63.0%	56.0	55.8	-0.2	-0.3%	
64.2%	55.9	55.8	-0.2	-0.3%	
65.4%	55.9	55.8	-0.2	-0.3%	
66.7%	55.9	55.8	-0.1	-0.2%	
67.9%	55.9	55.8	-0.1	-0.2%	
69.1%	55.9	55.8	-0.1	-0.2%	
70.4%	55.8	55.7	-0.1	-0.1%	
71.6%	55.8	55.7	-0.1	-0.1%	
72.8%	55.7	55.7	0.0	0.0%	
74.1%	55.7	55.7	0.0	0.0%	
75.3%	55.7	55.7	-0.1	-0.1%	
76.5%	55.7	55.7	0.0	-0.1%	
77.8%	55.7	55.6	0.0	-0.1%	
79.0%	55.7	55.6	0.0	-0.1%	
80.2%	55.6	55.6	0.0	0.0%	
81.5%	55.5	55.6	0.1	0.1%	
82.7%	55.5	55.6	0.1	0.3%	
84.0%	55.4	55.4	-0.1	-0.1%	
85.2%	55.3	55.3	0.0	0.0%	
86.4%	55.3	55.3	-0.1	-0.1%	
87.7%	55.3	55.2	0.0	0.0%	
88.9%	55.3	55.2	0.0	-0.1%	
90.1%	55.2	55.1	-0.1	-0.2%	
91.4%	55.2	55.1	-0.1	-0.1%	
92.6%	55.2	55.0	-0.1	-0.2%	
93.8%	55.1	54.8	-0.3	-0.5%	
95.1%	55.1	54.5	-0.6	-1.0%	
96.3%	55.0	54.2	-0.7	-1.3%	
97.5%	54.9	54.1	-0.8	-1.5%	
98.8%	54.7	54.0	-0.7	-1.2%	
100.0%	54.7	54.0	-0.7	-1.2%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	55.9	55.9	0.0	-0.1%	
1.2%	55.7	55.8	0.2	0.3%	
2.5%	55.6	55.6	0.0	0.0%	
3.7%	55.5	55.6	0.1	0.1%	
4.9%	55.5	55.5	0.0	0.0%	
6.2%	55.5	55.5	0.0	0.0%	
7.4%	55.4	55.4	0.0	0.1%	
8.6%	55.3	55.1	-0.2	-0.3%	
9.9%	55.1	55.1	0.0	-0.1%	
11.1%	55.0	55.0	0.0	0.0%	
12.3%	55.0	55.0	0.1	0.1%	
13.6%	54.9	55.0	0.1	0.1%	
14.8%	54.9	54.9	0.0	0.1%	
16.0%	54.9	54.9	0.0	0.0%	
17.3%	54.8	54.8	0.0	0.1%	
18.5%	54.7	54.7	-0.1	-0.1%	
19.8%	54.7	54.7	-0.1	-0.1%	
21.0%	54.7	54.6	-0.1	-0.2%	
22.2%	54.6	54.6	0.0	0.0%	
23.5%	54.5	54.5	0.0	0.0%	
24.7%	54.5	54.4	-0.1	-0.1%	
25.9%	54.4	54.4	0.0	0.0%	
27.2%	54.3	54.2	-0.1	-0.2%	
28.4%	54.1	54.2	0.1	0.2%	
29.6%	53.9	54.1	0.2	0.3%	
30.9%	53.9	54.1	0.2	0.4%	
32.1%	53.9	54.1	0.2	0.4%	
33.3%	53.9	54.1	0.2	0.4%	
34.6%	53.9	54.0	0.2	0.3%	
35.8%	53.8	53.9	0.1	0.2%	
37.0%	53.8	53.9	0.2	0.3%	
38.3%	53.7	53.9	0.2	0.4%	
39.5%	53.7	53.9	0.2	0.4%	
40.7%	53.6	53.7	0.1	0.1%	
42.0%	53.6	53.7	0.1	0.1%	
43.2%	53.6	53.7	0.1	0.2%	
44.4%	53.4	53.6	0.2	0.3%	
45.7%	53.4	53.6	0.2	0.3%	
46.9%	53.4	53.4	0.0	0.0%	
48.1%	53.3	53.3	0.0	-0.1%	
49.4%	53.3	53.3	-0.1	-0.1%	
50.6%	53.3	53.2	0.0	-0.1%	
51.9%	53.3	53.1	-0.2	-0.3%	
53.1%	53.1	53.1	0.0	0.0%	
54.3%	53.0	52.9	-0.1	-0.1%	
55.6%	53.0	52.8	-0.2	-0.3%	
56.8%	52.9	52.7	-0.2	-0.3%	
58.0%	52.8	52.7	-0.3	-0.5%	
59.3%	52.8	52.6	-0.1	-0.3%	
60.5%	52.7	52.5	-0.2	-0.3%	
61.7%	52.7	52.5	-0.2	-0.4%	
63.0%	52.5	52.5	0.0	-0.1%	
64.2%	52.5	52.5	-0.1	-0.1%	
65.4%	52.5	52.4	-0.1	-0.3%	
66.7%	52.5	52.3	-0.2	-0.4%	
67.9%	52.4	52.3	-0.1	-0.3%	
69.1%	52.4	52.3	-0.1	-0.3%	
70.4%	52.4	52.2	-0.2	-0.3%	
71.6%	52.4	52.2	-0.1	-0.3%	
72.8%	52.4	52.2	-0.2	-0.3%	
74.1%	52.3	52.2	-0.1	-0.3%	
75.3%	52.3	52.2	-0.1	-0.1%	
76.5%	52.2	52.2	0.0	0.0%	
77.8%	52.1	52.1	0.0	0.0%	
79.0%	52.0	52.1	0.1	0.1%	
80.2%	52.0	52.1	0.1	0.2%	
81.5%	51.9	52.1	0.2	0.4%	
82.7%	51.9	52.0	0.2	0.4%	
84.0%	51.8	52.0	0.2	0.3%	
85.2%	51.8	52.0	0.2	0.3%	
86.4%	51.8	52.0	0.2	0.4%	
87.7%	51.6	51.8	0.2	0.3%	
88.9%	51.4	51.5	0.1	0.2%	
90.1%	51.4	51.5	0.1	0.3%	
91.4%	51.3	51.5	0.1	0.3%	
92.6%	51.2	51.4	0.3	0.5%	
93.8%	51.0	51.3	0.2	0.5%	
95.1%	51.0	51.1	0.1	0.2%	
96.3%	50.8	51.0	0.1	0.2%	
97.5%	50.8	50.8	0.0	0.0%	
98.8%	50.7	50.7	0.1	0.1%	
100.0%	50.7	50.7	0.1	0.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature	Monthly Temperature (DEGF)			
0.0%	52.5	52.7	0.2	0.4%	
1.2%	51.6	51.5	0.0	-0.1%	
2.5%	51.5	51.0	-0.4	-0.8%	
3.7%	51.2	51.0	-0.2	-0.3%	
4.9%	50.5	50.6	0.1	0.2%	
6.2%	50.0	50.3	0.1	-0.3%	
7.4%	50.3	50.2	-0.1	-0.1%	
8.6%	50.2	50.2	0.0	0.0%	
9.9%	50.0	50.0	-0.1	-0.1%	
11.1%	49.9	49.9	-0.1	-0.1%	
12.3%	49.8	49.9	0.0	0.1%	
13.6%	49.8	49.8	0.0	0.1%	
14.8%	49.7	49.8	0.1	0.2%	
16.0%	49.6	49.7	0.1	0.1%	
17.3%	49.5	49.7	0.1	0.3%	
18.5%	49.5	49.6	0.1	0.2%	
19.8%	49.4	49.6	0.2	0.4%	
21.0%	49.3	49.5	0.2	0.4%	
22.2%	49.3	49.4	0.1	0.2%	
23.5%	49.2	49.4	0.2	0.4%	
24.7%	49.2	49.3	0.2	0.3%	
25.9%	49.2	49.2	0.0	0.1%	
27.2%	48.9	49.0	0.1	0.2%	
28.4%	48.8	48.9	0.2	0.4%	
29.6%	48.7	48.9	0.2	0.4%	
30.9%	48.7	48.7	0.1	0.1%	
32.1%	48.7	48.7	0.0	0.0%	
33.3%	48.5	48.5	0.0	0.1%	
34.6%	48.5	48.5	0.0	0.0%	
35.8%	48.5	48.4	-0.1	-0.2%	
37.0%	48.5	48.4	-0.1	-0.2%	
38.3%	48.3	48.4	0.1	0.1%	
39.5%	48.3	48.4	0.1	0.1%	
40.7%	48.2	48.3	0.1	0.2%	
42.0%	48.2	48.3	0.1	0.2%	
43.2%	48.2	48.3	0.1	0.2%	
44.4%	48.2	48.3	0.1	0.3%	
45.7%	48.2	48.3	0.1	0.2%	
46.9%	48.1	48.2	0.1	0.2%	
48.1%	48.1	48.2	0.1	0.2%	
49.4%	48.1	48.2	0.1	0.2%	
50.6%	48.1	48.2	0.1	0.3%	
51.9%	48.1	48.2	0.1	0.3%	
53.1%	48.1	48.2	0.1	0.2%	
54.3%	48.1	48.2	0.1	0.2%	
55.6%	48.0	48.2	0.2	0.3%	
56.8%	48.0	48.1	0.1	0.3%	
58.0%	48.0	48.1	0.1	0.3%	
59.3%	48.0	48.1	0.1	0.3%	
60.5%	47.9	48.0	0.1	0.2%	
61.7%	47.9	48.0	0.2	0.3%	
63.0%	47.8	48.0	0.2	0.5%	
64.2%	47.8	48.0	0.2	0.5%	
65.4%	47.8	47.9	0.2	0.3%	
66.7%	47.6	47.9	0.3	0.6%	
67.9%	47.5	47.8	0.3	0.6%	
69.1%	47.5	47.8	0.3	0.7%	
70.4%	47.5	47.8	0.3	0.7%	
71.6%	47.5	47.8	0.3	0.6%	
72.8%	47.5	47.7	0.3	0.5%	
74.1%	47.4	47.6	0.2	0.4%	
75.3%	47.4	47.5	0.1	0.2%	
76.5%	47.3	47.5	0.2	0.4%	
77.8%	47.3	47.4	0.1	0.	

Table SQ8-1b  
Sacramento River below Red Bluff, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.1	51.2	0.1	0.3%	
1.2%	49.9	49.9	0.0	0.0%	
2.5%	49.6	49.6	0.0	0.0%	
3.7%	49.2	49.1	0.0	0.0%	
4.9%	48.8	49.1	0.3	0.6%	
6.2%	48.5	49.0	0.2	0.3%	
7.4%	48.7	48.8	0.1	0.2%	
8.6%	48.7	48.8	0.1	0.1%	
9.9%	48.7	48.7	0.0	0.0%	
11.1%	48.6	48.6	0.1	0.1%	
12.3%	48.5	48.5	0.0	0.0%	
13.6%	48.5	48.5	0.0	0.0%	
14.8%	48.5	48.5	0.0	0.0%	
16.0%	48.4	48.5	0.1	0.2%	
17.3%	48.4	48.4	0.0	0.1%	
18.5%	48.3	48.4	0.0	0.0%	
19.8%	48.1	48.2	0.1	0.2%	
21.0%	48.1	48.1	0.0	0.1%	
22.2%	48.1	48.1	0.0	0.1%	
23.5%	48.0	48.0	0.0	0.1%	
24.7%	47.9	48.0	0.0	0.1%	
25.9%	47.9	48.0	0.1	0.2%	
27.2%	47.9	47.9	0.1	0.1%	
28.4%	47.8	47.9	0.1	0.2%	
29.6%	47.8	47.9	0.1	0.2%	
30.9%	47.7	47.8	0.1	0.3%	
32.1%	47.7	47.7	0.0	0.0%	
33.3%	47.6	47.7	0.1	0.2%	
34.6%	47.5	47.6	0.0	0.1%	
35.8%	47.5	47.6	0.1	0.2%	
37.0%	47.4	47.5	0.1	0.1%	
38.3%	47.4	47.5	0.1	0.1%	
39.5%	47.4	47.5	0.1	0.1%	
40.7%	47.4	47.4	0.0	0.0%	
42.0%	47.4	47.4	0.0	0.0%	
43.2%	47.4	47.4	0.0	-0.1%	
44.4%	47.3	47.3	0.0	0.0%	
45.7%	47.2	47.2	0.0	0.0%	
46.9%	47.2	47.1	-0.1	-0.1%	
48.1%	47.1	47.1	0.0	0.0%	
49.4%	47.1	47.1	0.0	0.0%	
50.6%	47.1	47.1	0.0	0.0%	
51.9%	47.1	47.1	0.0	0.0%	
53.1%	47.1	47.1	0.0	0.0%	
54.3%	47.1	47.1	0.0	0.0%	
55.6%	47.1	47.1	0.0	0.0%	
56.8%	46.9	46.9	0.0	0.0%	
58.0%	46.9	46.9	0.0	0.0%	
59.3%	46.9	46.9	0.0	0.1%	
60.5%	46.9	46.9	0.0	0.1%	
61.7%	46.8	46.9	0.1	0.2%	
63.0%	46.7	46.8	0.1	0.2%	
64.2%	46.5	46.7	0.2	0.4%	
65.4%	46.4	46.6	0.2	0.4%	
66.7%	46.4	46.4	-0.1	-0.1%	
67.9%	46.4	46.3	0.0	-0.1%	
69.1%	46.4	46.3	-0.1	-0.1%	
70.4%	46.3	46.3	-0.1	-0.1%	
71.6%	46.3	46.3	-0.1	-0.1%	
72.8%	46.3	46.3	0.0	-0.1%	
74.1%	46.3	46.3	0.0	0.0%	
75.3%	46.3	46.2	0.0	-0.1%	
76.5%	46.2	46.2	0.0	0.1%	
77.8%	46.2	46.2	0.0	0.1%	
79.0%	46.1	46.2	0.0	0.1%	
80.2%	46.1	46.2	0.0	0.1%	
81.5%	46.1	46.1	0.0	0.0%	
82.7%	46.1	46.1	0.0	0.0%	
84.0%	46.0	46.1	0.1	0.2%	
85.2%	46.0	46.1	0.1	0.2%	
86.4%	46.0	46.0	0.1	0.1%	
87.7%	45.9	46.0	0.1	0.2%	
88.9%	45.9	46.0	0.1	0.2%	
90.1%	45.8	46.0	0.1	0.1%	
91.4%	45.8	45.8	0.0	0.0%	
92.6%	45.7	45.7	0.0	0.0%	
93.8%	45.7	45.7	0.0	-0.1%	
95.1%	45.7	45.6	-0.1	-0.2%	
96.3%	45.6	45.6	0.0	0.0%	
97.5%	45.5	45.5	-0.1	-0.2%	
98.8%	45.5	45.4	-0.1	-0.2%	
100.0%	45.4	45.4	-0.1	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.4	53.4	0.0	0.1%	
1.2%	53.4	53.4	0.0	0.0%	
2.5%	53.3	53.2	-0.1	-0.2%	
3.7%	53.1	53.0	-0.1	-0.1%	
4.9%	52.8	52.8	-0.3	-0.5%	
6.2%	52.5	52.5	-0.1	-0.1%	
7.4%	52.4	52.5	0.2	0.1%	
8.6%	52.4	52.3	-0.1	-0.2%	
9.9%	52.2	52.3	0.1	0.1%	
11.1%	52.0	52.3	0.2	0.5%	
12.3%	52.0	52.1	0.1	0.2%	
13.6%	51.9	52.0	0.1	0.2%	
14.8%	51.9	52.0	0.0	0.1%	
16.0%	51.8	51.9	0.1	0.2%	
17.3%	51.7	51.9	0.2	0.4%	
18.5%	51.7	51.8	0.1	0.2%	
19.8%	51.7	51.8	0.1	0.2%	
21.0%	51.5	51.7	0.2	0.3%	
22.2%	51.5	51.7	0.2	0.3%	
23.5%	51.5	51.6	0.1	0.2%	
24.7%	51.5	51.5	0.1	0.1%	
25.9%	51.4	51.5	0.0	0.0%	
27.2%	51.4	51.5	0.0	0.0%	
28.4%	51.4	51.4	0.0	0.0%	
29.6%	51.3	51.4	0.0	0.1%	
30.9%	51.3	51.3	0.0	0.1%	
32.1%	51.2	51.3	0.0	0.1%	
33.3%	51.2	51.2	0.0	0.1%	
34.6%	51.2	51.2	0.0	0.1%	
35.8%	51.2	51.2	0.0	0.1%	
37.0%	51.1	51.2	0.1	0.2%	
38.3%	51.0	51.1	0.0	0.4%	
39.5%	50.8	51.0	0.2	0.4%	
40.7%	50.8	50.9	0.2	0.3%	
42.0%	50.7	50.9	0.1	0.3%	
43.2%	50.7	50.8	0.1	0.1%	
44.4%	50.6	50.7	0.2	0.3%	
45.7%	50.6	50.6	0.1	0.2%	
46.9%	50.4	50.5	0.1	0.1%	
48.1%	50.4	50.5	0.1	0.1%	
49.4%	50.4	50.4	0.1	0.2%	
50.6%	50.2	50.4	0.2	0.4%	
51.9%	50.2	50.2	0.0	0.0%	
53.1%	50.2	50.2	0.0	0.1%	
54.3%	50.0	50.2	0.2	0.4%	
55.6%	50.0	50.2	0.1	0.3%	
56.8%	50.0	50.0	0.0	0.1%	
58.0%	50.0	50.0	0.0	0.1%	
59.3%	49.9	50.0	0.1	0.1%	
60.5%	49.9	50.0	0.1	0.1%	
61.7%	49.9	50.0	0.1	0.2%	
63.0%	49.9	49.9	0.1	0.1%	
64.2%	49.9	49.9	0.0	0.0%	
65.4%	49.7	49.7	0.0	0.0%	
66.7%	49.6	49.6	0.0	0.0%	
67.9%	49.4	49.5	0.1	0.1%	
69.1%	49.4	49.4	0.0	0.1%	
70.4%	49.3	49.3	0.1	0.1%	
71.6%	49.1	49.3	0.2	0.3%	
72.8%	49.1	49.1	0.1	0.2%	
74.1%	48.9	49.0	0.1	0.3%	
75.3%	48.8	48.9	0.1	0.3%	
76.5%	48.7	48.7	0.0	0.0%	
77.8%	48.7	48.6	0.0	-0.1%	
79.0%	48.6	48.6	0.1	0.1%	
80.2%	48.5	48.5	0.0	0.0%	
81.5%	48.5	48.5	-0.1	-0.1%	
82.7%	48.5	48.4	-0.1	-0.3%	
84.0%	48.3	48.2	-0.1	-0.2%	
85.2%	48.2	48.2	0.0	0.0%	
86.4%	48.2	48.2	0.0	0.1%	
87.7%	48.1	48.2	0.1	0.1%	
88.9%	48.0	48.1	0.2	0.3%	
90.1%	47.9	48.0	0.1	0.2%	
91.4%	47.8	47.9	0.1	0.2%	
92.6%	47.7	47.8	0.1	0.2%	
93.8%	47.7	47.7	0.0	0.1%	
95.1%	47.7	47.6	-0.1	-0.2%	
96.3%	47.5	47.6	0.0	0.0%	
97.5%	47.1	47.4	0.3	0.6%	
98.8%	46.7	47.1	0.4	0.8%	
100.0%	46.7	47.1	0.4	0.8%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	57.4	57.5	0.1	0.1%	
1.2%	57.3	56.7	-0.5	-0.9%	
2.5%	56.5	56.7	0.1	0.3%	
3.7%	56.5	56.2	-0.3	-0.5%	
4.9%	56.1	55.9	-0.2	-0.4%	
6.2%	56.0	55.8	-0.3	-0.5%	
7.4%	55.9	55.7	-0.2	-0.4%	
8.6%	56.8	55.6	-0.2	-0.3%	
9.9%	55.7	55.5	-0.2	-0.3%	
11.1%	55.4	55.5	0.0	0.3%	
12.3%	55.3	55.4	0.1	0.2%	
13.6%	55.3	55.4	0.2	0.3%	
14.8%	55.2	55.3	0.1	0.1%	
16.0%	55.2	55.2	0.0	0.1%	
17.3%	55.1	55.2	0.1	0.2%	
18.5%	55.0	55.2	0.2	0.3%	
19.8%	55.0	55.1	0.1	0.2%	
21.0%	55.0	55.1	0.1	0.1%	
22.2%	54.7	55.0	0.3	0.5%	
23.5%	54.6	55.0	0.3	0.6%	
24.7%	54.6	54.8	0.2	0.4%	
25.9%	54.4	54.8	0.4	0.7%	
27.2%	54.4	54.7	0.3	0.5%	
28.4%	54.4	54.6	0.2	0.3%	
29.6%	54.4	54.6	0.2	0.4%	
30.9%	54.3	54.5	0.3	0.5%	
32.1%	54.3	54.4	0.2	0.3%	
33.3%	54.3	54.4	0.2	0.3%	
34.6%	54.2	54.4	0.2	0.4%	
35.8%	54.2	54.3	0.1	0.1%	
37.0%	54.1	54.2	0.1	0.2%	
38.3%	54.1	54.2	0.1	0.3%	
39.5%	54.1	54.2	0.1	0.2%	
40.7%	53.9	54.1	0.1	0.2%	
42.0%	53.9	54.1	0.1	0.2%	
43.2%	53.9	54.0	0.1	0.2%	
44.4%	53.9	54.0	0.2	0.3%	
45.7%	53.9	54.0	0.1	0.2%	
46.9%	53.7	54.0	0.2	0.4%	
48.1%	53.7	53.9	0.2	0.5%	
49.4%	53.7	53.9	0.2	0.5%	
50.6%	53.6	53.8	0.2	0.4%	
51.9%	53.6	53.7	0.1	0.2%	
53.1%	53.6	53.7	0.1	0.2%	
54.3%	53.6	53.7	0.1	0.2%	
55.6%	53.6	53.7	0.1	0.2%	
56.8%	53.5	53.6	0.1	0.2%	
58.0%	53.5	53.6	0.1	0.3%	
59.3%	53.5	53.6	0.1	0.3%	
60.5%	53.3	53.6	0.2	0.4%	
61.7%	53.3	53.6	0.2	0.4%	
63.0%	53.3	53.5	0.2	0.3%	
64.2%	53.3	53.4	0.1	0.2%	
65.4%	53.0	53.3	0.3	0.6%	
66.7%	52.8	53.2	0.3	0.7%	
67.9%	52.8	53.1	0.2	0.4%	
69.1%	52.8	53.0	0.2	0.4%	
70.4%	52.8	53.0	0.3	0.5%	
71.6%	52.7	53.0	0.3	0.5%	
72.8%	52.7	53.0	0.3	0.5%	
74.1%	52.7	53.0	0.3	0.5%	
75.3%	52.6	53.0	0.4	0.7%	
76.5%	52.6	52.8	0.3	0.5%	
77.8%	52.5	52.7	0.3	0.5%	
79.0%	52.4	52.6	0.2		

Table SQ8-1b  
Sacramento River below Red Bluff, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	60.9	60.8	-0.1	-0.2%	
1.2%	60.5	60.7	0.2	0.4%	
2.5%	60.3	60.7	0.4	0.7%	
3.7%	60.2	60.2	-0.1	-0.1%	
4.9%	60.1	59.9	-0.2	-0.3%	
6.2%	59.8	59.9	0.1	0.2%	
7.4%	59.5	59.3	-0.2	-0.3%	
8.6%	59.4	59.6	0.2	0.4%	
9.9%	59.1	59.2	0.1	0.1%	
11.1%	59.1	58.9	-0.2	-0.3%	
12.3%	59.0	58.8	-0.2	-0.4%	
13.6%	58.8	58.7	-0.1	-0.1%	
14.8%	58.6	58.7	0.1	0.2%	
16.0%	58.5	58.6	0.1	0.2%	
17.3%	58.4	58.6	0.2	0.3%	
18.5%	58.3	58.6	0.3	0.5%	
19.8%	58.2	58.6	0.4	0.6%	
21.0%	58.2	58.6	0.4	0.7%	
22.2%	58.1	58.5	0.3	0.6%	
23.5%	58.0	58.5	0.5	0.8%	
24.7%	57.9	58.5	0.6	1.0%	
25.9%	57.9	58.4	0.5	0.9%	
27.2%	57.8	58.4	0.6	1.0%	
28.4%	57.6	58.4	0.7	1.2%	
29.6%	57.6	58.4	0.8	1.4%	
30.9%	57.5	58.3	0.8	1.4%	
32.1%	57.5	58.3	0.8	1.5%	
33.3%	57.4	58.3	0.9	1.5%	
34.6%	57.4	58.2	0.9	1.5%	
35.8%	57.3	58.2	0.9	1.4%	
37.0%	57.3	58.0	0.7	1.2%	
38.3%	57.3	58.0	0.6	1.1%	
39.5%	57.2	57.9	0.7	1.2%	
40.7%	57.2	57.9	0.7	1.1%	
42.0%	57.2	57.9	0.7	1.2%	
43.2%	57.1	57.8	0.7	1.3%	
44.4%	57.0	57.8	0.7	1.3%	
45.7%	57.0	57.7	0.7	1.3%	
46.9%	57.0	57.7	0.7	1.2%	
48.1%	56.9	57.7	0.7	1.3%	
49.4%	56.9	57.6	0.8	1.3%	
50.6%	56.9	57.6	0.7	1.3%	
51.9%	56.8	57.5	0.7	1.2%	
53.1%	56.8	57.5	0.7	1.2%	
54.3%	56.8	57.5	0.7	1.3%	
55.6%	56.8	57.5	0.7	1.3%	
56.8%	56.7	57.4	0.7	1.1%	
58.0%	56.7	57.2	0.5	0.9%	
59.3%	56.7	57.2	0.5	0.9%	
60.5%	56.7	57.1	0.5	0.8%	
61.7%	56.6	57.1	0.4	0.7%	
63.0%	56.6	57.0	0.4	0.7%	
64.2%	56.6	57.0	0.4	0.7%	
65.4%	56.6	57.0	0.4	0.7%	
66.7%	56.6	57.0	0.4	0.7%	
67.9%	56.5	57.0	0.4	0.7%	
69.1%	56.5	56.9	0.4	0.6%	
70.4%	56.4	56.8	0.4	0.7%	
71.6%	56.4	56.8	0.4	0.8%	
72.8%	56.4	56.8	0.4	0.8%	
74.1%	56.4	56.7	0.4	0.7%	
75.3%	56.4	56.7	0.4	0.6%	
76.5%	56.3	56.7	0.4	0.8%	
77.8%	56.3	56.6	0.4	0.7%	
79.0%	56.2	56.6	0.4	0.7%	
80.2%	56.1	56.5	0.4	0.7%	
81.5%	56.0	56.5	0.6	1.0%	
82.7%	55.9	56.5	0.6	1.0%	
84.0%	55.9	56.4	0.6	1.0%	
85.2%	55.9	56.4	0.5	1.0%	
86.4%	55.8	56.4	0.6	1.1%	
87.7%	55.7	56.4	0.6	1.1%	
88.9%	55.6	56.4	0.7	1.3%	
90.1%	55.6	56.3	0.7	1.2%	
91.4%	55.6	56.2	0.6	1.2%	
92.6%	55.5	56.2	0.7	1.2%	
93.8%	55.4	55.9	0.5	0.9%	
95.1%	55.3	55.9	0.6	1.1%	
96.3%	55.0	55.9	0.9	1.6%	
97.5%	55.0	55.9	0.9	1.6%	
98.8%	54.6	55.7	1.1	2.1%	
100.0%	54.6	55.7	1.1	2.1%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	62.7	61.2	-1.5	-2.4%	
1.2%	62.0	60.8	-1.2	-2.0%	
2.5%	61.3	60.6	-0.7	-1.1%	
3.7%	60.8	60.5	-0.2	-0.3%	
4.9%	60.6	60.4	-0.2	-0.3%	
6.2%	60.5	60.0	-0.5	-0.9%	
7.4%	60.0	59.9	-0.1	-0.1%	
8.6%	60.0	59.7	-0.4	-0.6%	
9.9%	60.0	59.5	-0.6	-0.9%	
11.1%	59.8	59.4	-0.4	-0.7%	
12.3%	59.7	59.4	-0.4	-0.6%	
13.6%	59.7	59.4	-0.3	-0.6%	
14.8%	59.7	59.2	-0.5	-0.8%	
16.0%	59.6	59.2	-0.3	-0.6%	
17.3%	59.5	59.1	-0.4	-0.7%	
18.5%	59.4	58.8	-0.5	-0.9%	
19.8%	59.3	58.8	-0.6	-0.9%	
21.0%	59.2	58.7	-0.4	-0.8%	
22.2%	59.0	58.7	-0.3	-0.5%	
23.5%	58.7	58.7	0.0	0.0%	
24.7%	58.6	58.7	0.1	0.2%	
25.9%	58.6	58.5	-0.1	-0.1%	
27.2%	58.4	58.5	0.0	0.0%	
28.4%	58.4	58.4	0.0	0.0%	
29.6%	58.4	58.4	0.0	-0.1%	
30.9%	58.4	58.4	0.0	-0.1%	
32.1%	58.4	58.3	-0.1	-0.1%	
33.3%	58.3	58.3	0.0	0.0%	
34.6%	58.3	58.3	0.0	0.0%	
35.8%	58.3	58.2	0.0	-0.1%	
37.0%	58.2	58.1	-0.1	-0.1%	
38.3%	58.2	58.1	-0.1	-0.2%	
39.5%	58.2	58.0	-0.2	-0.3%	
40.7%	58.0	58.0	-0.1	-0.1%	
42.0%	58.0	58.0	0.0	0.0%	
43.2%	57.8	58.0	0.2	0.3%	
44.4%	57.8	57.9	0.1	0.2%	
45.7%	57.8	57.8	0.0	0.0%	
46.9%	57.7	57.8	0.0	0.1%	
48.1%	57.7	57.8	0.0	0.1%	
49.4%	57.7	57.8	0.0	0.1%	
50.6%	57.7	57.7	0.0	0.0%	
51.9%	57.7	57.6	0.0	-0.1%	
53.1%	57.7	57.6	0.0	-0.1%	
54.3%	57.5	57.6	0.2	0.3%	
55.6%	57.4	57.6	0.2	0.4%	
56.8%	57.4	57.4	0.0	0.0%	
58.0%	57.4	57.3	0.0	0.0%	
59.3%	57.3	57.3	0.1	0.1%	
60.5%	57.3	57.3	0.0	0.1%	
61.7%	57.1	57.2	0.1	0.3%	
63.0%	57.1	57.2	0.1	0.2%	
64.2%	57.0	57.2	0.2	0.4%	
65.4%	57.0	57.2	0.2	0.3%	
66.7%	57.0	57.1	0.2	0.3%	
67.9%	57.0	57.1	0.1	0.2%	
69.1%	56.9	57.1	0.1	0.2%	
70.4%	56.9	57.1	0.1	0.2%	
71.6%	56.9	57.0	0.1	0.2%	
72.8%	56.9	57.0	0.1	0.2%	
74.1%	56.9	57.0	0.1	0.1%	
75.3%	56.8	56.9	0.2	0.3%	
76.5%	56.7	56.7	0.0	0.0%	
77.8%	56.7	56.7	0.0	0.0%	
79.0%	56.7	56.7	0.0	0.0%	
80.2%	56.5	56.6	0.1	0.3%	
81.5%	56.4	56.6	0.2	0.3%	
82.7%	56.3	56.6	0.3	0.5%	
84.0%	56.2	56.5	0.3	0.5%	
85.2%	56.2	56.4	0.2	0.3%	
86.4%	56.2	56.3	0.1	0.2%	
87.7%	56.1	56.2	0.1	0.1%	
88.9%	56.0	56.2	0.2	0.4%	
90.1%	56.0	56.1	0.2	0.3%	
91.4%	55.8	56.0	0.3	0.5%	
92.6%	55.7	55.9	0.2	0.4%	
93.8%	55.7	55.9	0.2	0.4%	
95.1%	55.7	55.8	0.1	0.2%	
96.3%	55.7	55.7	0.0	0.0%	
97.5%	55.2	55.6	0.5	0.9%	
98.8%	55.1	55.1	0.0	0.0%	
100.0%	55.1	55.1	0.0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.2	60.9	-4.3	-6.6%	
1.2%	63.2	60.7	-2.4	-3.9%	
2.5%	62.4	60.7	-1.7	-2.8%	
3.7%	62.1	60.7	-1.5	-2.4%	
4.9%	61.9	60.6	-1.3	-2.1%	
6.2%	61.9	60.6	-1.3	-2.1%	
7.4%	61.3	60.5	-0.8	-1.1%	
8.6%	61.3	60.5	-0.8	-1.3%	
9.9%	61.0	60.5	-0.5	-0.8%	
11.1%	61.0	60.3	-0.7	-1.1%	
12.3%	60.8	60.1	-0.6	-1.1%	
13.6%	60.8	60.1	-0.7	-1.2%	
14.8%	60.6	59.9	-0.7	-1.1%	
16.0%	60.5	59.7	-0.8	-1.3%	
17.3%	60.4	59.7	-0.8	-1.3%	
18.5%	60.0	59.6	-0.3	-0.6%	
19.8%	59.8	59.5	-0.3	-0.5%	
21.0%	59.8	59.4	-0.4	-0.7%	
22.2%	59.7	59.4	-0.3	-0.5%	
23.5%	59.7	59.4	-0.3	-0.5%	
24.7%	59.6	59.3	-0.3	-0.5%	
25.9%	59.6	59.2	-0.3	-0.6%	
27.2%	59.6	59.2	-0.4	-0.8%	
28.4%	59.5	59.2	-0.3	-0.6%	
29.6%	59.5	59.1	-0.4	-0.7%	
30.9%	59.5	59.0	-0.4	-0.7%	
32.1%	59.4	59.0	-0.4	-0.7%	
33.3%	59.4	59.0	-0.4	-0.7%	
34.6%	59.4	58.9	-0.4	-0.7%	
35.8%	59.3	58.9	-0.5	-0.8%	
37.0%	59.2	58.8	-0.4	-0.7%	
38.3%	59.2	58.8	-0.4	-0.7%	
39.5%	59.2	58.8	-0.4	-0.7%	
40.7%	59.2	58.7	-0.5	-0.8%	
42.0%	59.1	58.7	-0.4	-0.7%	
43.2%	59.1	58.6	-0.4	-0.7%	
44.4%	59.0	58.6	-0.4	-0.7%	
45.7%	59.0	58.6	-0.4	-0.7%	
46.9%	59.0	58.5	-0.4	-0.8%	
48.1%	58.9	58.5	-0.3	-0.6%	
49.4%	58.6	58.5	-0.2	-0.3%	
50.6%	58.5	58.5	-0.1	-0.1%	
51.9%	58.5	58.5	0.0	-0.1%	
53.1%	58.5	58.4	-0.1	-0.1%	
54.3%	58.5	58.4	-0.1	-0.1%	
55.6%	58.4	58.4	-0.1	-0.1%	
56.8%	58.3	58.3	0.0	0.0%	
58.0%	58.3	58.3	0.0	0.0%	
59.3%	58.3	58.2	-0.1	-0.1%	
60.5%	58.3	58.2	0.0	-0.1%	
61.7%	58.2	58.2	0.0	-0.1%	
63.0%	58.2	58.1	-0.1	-0.1%	
64.2%	58.2	58.1	-0.1	-0.2%	
65.4%	58.2	58.1	-0.1	-0.2%	
66.7%	58.1	58.1	-0.1	-0.1%	
67.9%	58.1	58.0	-0.1	-0.2%	
69.1%	58.1	58.0	-0.1	-0.2%	
70.4%	58.0	58.0	0.0	0.0%	
71.6%	57.9	57.9	0.0	0.1%	
72.8%	57.9	57.9	0.1	0.1%	
74.1%	57.8	57.9	0.0	0.1%	
75.3%	57.7	57.9	0.1	0.3%	
76.5%	57.7	57.8	0.1	0.2%	
77.8%	57.7	57.8	0.1	0.2%	
79.0%	57.7	57.8	0.1		



Table SQ8-1b  
Sacramento River below Red Bluff, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	63.1	61.3	-1.8	-2.9%	
1.2%	62.3	60.9	-1.4	-2.3%	
2.5%	61.5	60.7	-0.8	-1.3%	
3.7%	61.5	60.5	-1.0	-1.7%	
4.9%	61.4	60.4	-1.0	-1.6%	
6.2%	61.4	60.2	-1.2	-1.9%	
7.4%	61.3	60.1	-1.2	-2.0%	
8.6%	60.7	60.1	-0.7	-1.1%	
9.9%	60.1	60.0	-0.1	-0.2%	
11.1%	60.1	59.9	-0.2	-0.3%	
12.3%	60.0	59.8	-0.2	-0.3%	
13.6%	59.9	59.3	-0.6	-1.0%	
14.8%	59.7	59.2	-0.6	-0.9%	
16.0%	59.5	59.1	-0.4	-0.7%	
17.3%	59.4	59.1	-0.3	-0.5%	
18.5%	59.2	59.0	-0.3	-0.4%	
19.8%	59.2	58.9	-0.3	-0.5%	
21.0%	59.2	58.9	-0.3	-0.5%	
22.2%	59.1	58.9	-0.2	-0.4%	
23.5%	59.0	58.7	-0.3	-0.5%	
24.7%	58.9	58.7	-0.2	-0.3%	
25.9%	58.7	58.7	0.0	-0.1%	
27.2%	58.7	58.6	-0.1	-0.2%	
28.4%	58.6	58.5	-0.1	-0.1%	
29.6%	58.6	58.5	-0.1	-0.1%	
30.9%	58.5	58.5	0.0	0.1%	
32.1%	58.4	58.4	0.0	0.0%	
33.3%	58.4	58.4	0.0	0.0%	
34.6%	58.4	58.3	-0.1	-0.2%	
35.8%	58.3	58.3	-0.1	-0.1%	
37.0%	58.3	58.2	-0.1	-0.2%	
38.3%	58.3	58.2	-0.1	-0.2%	
39.5%	58.3	58.2	-0.1	-0.2%	
40.7%	58.3	58.1	-0.1	-0.2%	
42.0%	58.3	58.1	-0.1	-0.2%	
43.2%	58.2	58.1	-0.1	-0.2%	
44.4%	58.1	58.0	-0.1	-0.2%	
45.7%	58.1	57.9	-0.1	-0.2%	
46.9%	58.0	57.9	-0.1	-0.1%	
48.1%	57.9	57.9	-0.1	-0.1%	
49.4%	57.9	57.8	-0.1	-0.2%	
50.6%	57.9	57.8	-0.1	-0.1%	
51.9%	57.9	57.8	-0.1	-0.1%	
53.1%	57.8	57.8	0.0	0.0%	
54.3%	57.6	57.7	0.2	0.3%	
55.6%	57.5	57.6	0.1	0.2%	
56.8%	57.5	57.5	0.0	0.0%	
58.0%	57.5	57.5	0.0	0.0%	
59.3%	57.5	57.5	0.0	0.0%	
60.5%	57.5	57.4	0.0	0.0%	
61.7%	57.4	57.4	-0.1	-0.2%	
63.0%	57.4	57.3	-0.1	-0.2%	
64.2%	57.4	57.3	-0.1	-0.2%	
65.4%	57.4	57.3	-0.1	-0.2%	
66.7%	57.3	57.3	-0.1	-0.1%	
67.9%	57.3	57.3	0.0	-0.1%	
69.1%	57.2	57.2	0.0	0.0%	
70.4%	57.2	57.2	0.0	0.1%	
71.6%	57.1	57.2	0.1	0.1%	
72.8%	57.1	57.2	0.1	0.1%	
74.1%	57.1	57.1	0.0	0.1%	
75.3%	57.1	57.1	0.0	0.1%	
76.5%	57.1	57.0	0.0	-0.1%	
77.8%	57.1	57.0	0.0	-0.1%	
79.0%	56.9	57.0	0.0	0.1%	
80.2%	56.9	56.9	0.0	-0.1%	
81.5%	56.7	56.9	0.1	0.2%	
82.7%	56.7	56.9	0.2	0.3%	
84.0%	56.6	56.7	0.1	0.1%	
85.2%	56.6	56.7	0.1	0.1%	
86.4%	56.5	56.5	0.0	0.0%	
87.7%	56.4	56.5	0.1	0.1%	
88.9%	56.3	56.4	0.1	0.2%	
90.1%	56.3	56.2	-0.1	-0.2%	
91.4%	56.3	56.1	-0.2	-0.4%	
92.6%	56.3	56.1	-0.2	-0.4%	
93.8%	56.1	56.0	-0.1	-0.2%	
95.1%	56.0	55.9	-0.2	-0.3%	
96.3%	55.7	55.8	0.1	0.2%	
97.5%	55.6	55.8	0.2	0.3%	
98.8%	55.6	55.7	0.1	0.2%	
100.0%	55.6	55.6	0.0	0.1%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	64.6	62.2	-2.4	-3.7%	
1.2%	63.4	61.4	-2.0	-3.2%	
2.5%	62.6	61.2	-1.4	-2.3%	
3.7%	62.3	61.1	-1.2	-2.0%	
4.9%	61.9	60.7	-1.2	-1.9%	
6.2%	61.9	60.3	-1.6	-2.5%	
7.4%	61.4	60.1	-1.3	-2.1%	
8.6%	61.3	60.1	-1.2	-1.9%	
9.9%	61.0	60.1	-1.0	-1.6%	
11.1%	61.0	60.0	-0.9	-1.5%	
12.3%	60.7	60.0	-0.7	-1.1%	
13.6%	60.7	59.8	-0.9	-1.5%	
14.8%	60.0	59.8	-0.2	-0.4%	
16.0%	60.0	59.6	-0.4	-0.7%	
17.3%	60.0	59.6	-0.5	-0.8%	
18.5%	60.0	59.5	-0.5	-0.8%	
19.8%	59.9	59.3	-0.6	-1.0%	
21.0%	59.6	59.0	-0.5	-0.9%	
22.2%	59.6	59.0	-0.6	-0.9%	
23.5%	59.5	58.9	-0.6	-0.9%	
24.7%	59.5	58.9	-0.6	-1.0%	
25.9%	59.3	58.8	-0.5	-0.8%	
27.2%	59.2	58.6	-0.4	-0.7%	
28.4%	59.2	58.8	-0.4	-0.7%	
29.6%	59.1	58.7	-0.4	-0.6%	
30.9%	59.1	58.6	-0.5	-0.9%	
32.1%	59.1	58.6	-0.5	-0.9%	
33.3%	58.9	58.5	-0.4	-0.6%	
34.6%	58.9	58.5	-0.5	-0.8%	
35.8%	58.9	58.4	-0.5	-0.8%	
37.0%	58.9	58.4	-0.5	-0.9%	
38.3%	58.3	58.3	-0.6	-0.9%	
39.5%	58.7	58.3	-0.4	-0.7%	
40.7%	58.7	58.3	-0.4	-0.7%	
42.0%	58.6	58.2	-0.3	-0.6%	
43.2%	58.5	58.2	-0.3	-0.6%	
44.4%	58.5	58.2	-0.3	-0.6%	
45.7%	58.4	58.1	-0.3	-0.5%	
46.9%	58.4	58.0	-0.4	-0.6%	
48.1%	58.3	58.0	-0.4	-0.6%	
49.4%	58.2	57.8	-0.4	-0.7%	
50.6%	58.2	57.8	-0.4	-0.7%	
51.9%	58.2	57.7	-0.4	-0.7%	
53.1%	58.1	57.7	-0.4	-0.7%	
54.3%	57.8	57.7	-0.1	-0.2%	
55.6%	57.8	57.6	-0.2	-0.3%	
56.8%	57.7	57.5	-0.2	-0.3%	
58.0%	57.6	57.5	-0.1	-0.1%	
59.3%	57.5	57.4	-0.1	-0.2%	
60.5%	57.5	57.4	-0.1	-0.2%	
61.7%	57.5	57.4	-0.1	-0.2%	
63.0%	57.4	57.4	-0.1	-0.1%	
64.2%	57.4	57.4	0.0	0.0%	
65.4%	57.3	57.3	0.0	0.0%	
66.7%	57.3	57.3	0.0	-0.1%	
67.9%	57.2	57.1	-0.1	-0.1%	
69.1%	57.2	57.1	-0.1	-0.1%	
70.4%	57.2	57.1	-0.1	-0.2%	
71.6%	57.1	57.1	-0.1	-0.2%	
72.8%	57.1	57.0	-0.1	-0.2%	
74.1%	57.1	57.0	-0.1	-0.1%	
75.3%	57.0	57.0	0.0	0.0%	
76.5%	56.9	57.0	0.0	0.0%	
77.8%	56.9	56.9	0.0	0.0%	
79.0%	56.9	56.8	-0.1	-0.1%	
80.2%	56.9	56.8	-0.1	-0.1%	
81.5%	56.9	56.8	-0.1	-0.1%	
82.7%	56.9	56.8	-0.1	-0.1%	
84.0%	56.8	56.8	0.0	0.0%	
85.2%	56.8	56.8	0.0	0.0%	
86.4%	56.8	56.5	-0.3	-0.4%	
87.7%	56.4	56.5	0.1	0.1%	
88.9%	56.4	56.2	-0.2	-0.3%	
90.1%	56.2	56.2	-0.1	-0.2%	
91.4%	56.2	56.1	-0.1	-0.1%	
92.6%	56.1	56.0	-0.1	-0.2%	
93.8%	56.0	55.9	-0.1	-0.2%	
95.1%	56.0	55.8	-0.1	-0.3%	
96.3%	56.0	55.7	-0.2	-0.4%	
97.5%	55.9	55.5	-0.4	-0.8%	
98.8%	55.8	55.5	-0.3	-0.6%	
100.0%	55.5	55.3	-0.2	-0.4%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	66.7	63.4	-3.3	-5.0%	
1.2%	64.8	62.2	-2.6	-4.0%	
2.5%	64.0	62.0	-1.9	-3.0%	
3.7%	63.1	61.2	-1.9	-3.1%	
4.9%	62.8	60.8	-2.0	-3.1%	
6.2%	62.3	60.7	-1.6	-2.5%	
7.4%	62.3	60.7	-1.6	-2.5%	
8.6%	61.8	60.6	-1.2	-1.9%	
9.9%	61.8	60.4	-1.4	-2.2%	
11.1%	61.5	60.4	-1.2	-1.9%	
12.3%	61.4	60.2	-1.3	-2.0%	
13.6%	61.1	60.1	-0.9	-1.5%	
14.8%	60.9	60.0	-0.9	-1.5%	
16.0%	60.7	59.9	-0.8	-1.4%	
17.3%	60.6	59.9	-0.8	-1.3%	
18.5%	60.6	59.7	-0.9	-1.5%	
19.8%	60.5	59.6	-0.9	-1.4%	
21.0%	60.4	59.6	-0.8	-1.3%	
22.2%	60.2	59.5	-0.7	-1.2%	
23.5%	60.2	59.3	-0.9	-1.5%	
24.7%	60.1	59.2	-0.9	-1.6%	
25.9%	59.9	59.1	-0.8	-1.4%	
27.2%	59.9	59.0	-0.9	-1.5%	
28.4%	59.3	58.6	-0.7	-1.2%	
29.6%	59.8	58.9	-0.9	-1.5%	
30.9%	59.8	58.9	-0.9	-1.5%	
32.1%	59.7	58.8	-0.9	-1.5%	
33.3%	59.4	58.7	-0.8	-1.3%	
34.6%	59.4	58.6	-0.8	-1.4%	
35.8%	59.4	58.6	-0.8	-1.3%	
37.0%	59.4	58.6	-0.8	-1.3%	
38.3%	59.3	58.6	-0.7	-1.2%	
39.5%	59.1	58.6	-0.5	-0.9%	
40.7%	59.1	58.6	-0.6	-0.9%	
42.0%	59.1	58.5	-0.6	-1.0%	
43.2%	58.9	58.5	-0.4	-0.7%	
44.4%	58.8	58.5	-0.3	-0.6%	
45.7%	58.8	58.5	-0.3	-0.5%	
46.9%	58.6	58.2	-0.4	-0.6%	
48.1%	58.4	58.2	-0.4	-0.7%	
49.4%	58.6	58.1	-0.5	-0.9%	
50.6%	58.4	58.0	-0.4	-0.6%	
51.9%	58.2	58.0	-0.2	-0.3%	
53.1%	58.1	57.9	-0.2	-0.3%	
54.3%	58.1	57.9	-0.2	-0.4%	
55.6%	58.1	57.8	-0.3	-0.5%	
56.8%	58.0	57.8	-0.1	-0.2%	
58.0%	57.9	57.7	-0.2	-0.4%	
59.3%	57.8	57.6	-0.2	-0.3%	
60.5%	57.7	57.6	-0.1	-0.1%	
61.7%	57.7	57.6	-0.1	-0.2%	
63.0%	57.7	57.6	-0.1	-0.2%	
64.2%	57.6	57.5	-0.1	-0.2%	
65.4%	57.6	57.4	-0.2	-0.3%	
66.7%	57.5	57.3	-0.2	-0.4%	
67.9%	57.4	57.3	-0.2	-0.3%	
69.1%	57.3	57.2	-0.1	-0.1%	
70.4%	57.3	57.1	-0.1	-0.2%	
71.6%	57.2	57.0	-0.2	-0.3%	
72.8%	57.2	57.0	-0.2	-0.3%	
74.1%	57.2	56.9	-0.2	-0.4%	
75.3%	57.1	56.9	-0.2	-0.4%	
76.5%	56.8	56.7	-0.1	-0.2%	
77.8					

Table SQ9-1a  
American River below Nimbus Dam, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	59.0	55.0	50.5	46.0	46.3	49.3	53.9	57.6	61.2	63.6	63.1	63.7
DCR 2015 With Project	59.1	55.9	50.9	46.2	46.3	49.3	53.9	57.7	61.0	62.2	61.8	63.1
Difference	0.1	0.9	0.4	0.2	0.1	0.0	0.0	0.1	-0.2	-1.4	-1.3	-0.6
Percent Difference <sup>3</sup>	0.2%	1.7%	0.9%	0.4%	0.2%	-0.1%	-0.1%	0.2%	-0.3%	-2.2%	-2.0%	-0.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	57.2	55.0	51.0	45.2	45.5	48.0	51.9	55.3	58.6	61.6	60.7	61.2
DCR 2015 With Project	58.3	55.9	51.4	45.2	45.5	47.9	51.8	55.3	58.5	60.3	59.7	61.2
Difference	1.1	1.0	0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-1.3	-0.9	0.0
Percent Difference	2.0%	1.7%	0.8%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	-0.2%	-2.1%	-1.5%	0.0%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	58.3	54.8	50.9	46.1	46.0	48.6	53.6	56.9	60.2	62.9	62.1	62.9
DCR 2015 With Project	57.7	55.6	51.5	46.3	46.2	48.6	53.5	56.8	60.0	61.5	61.2	62.1
Difference	-0.6	0.8	0.6	0.3	0.2	0.0	-0.1	-0.1	-0.2	-1.4	-1.0	-0.8
Percent Difference	-1.1%	1.5%	1.2%	0.6%	0.4%	0.1%	-0.2%	-0.2%	-0.3%	-2.2%	-1.6%	-1.2%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	58.4	54.8	50.6	46.2	45.9	49.1	54.2	57.7	61.1	63.3	63.1	63.9
DCR 2015 With Project	57.7	55.8	51.0	46.3	45.9	49.1	54.1	57.6	60.7	61.7	61.7	62.9
Difference	-0.7	0.9	0.5	0.0	0.0	-0.1	-0.1	-0.1	-0.5	-1.6	-1.4	-1.0
Percent Difference	-1.2%	1.7%	0.9%	0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.8%	-2.5%	-2.2%	-1.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	60.3	55.0	50.0	46.4	46.7	50.0	55.1	59.4	63.2	64.4	64.5	65.3
DCR 2015 With Project	60.2	56.0	50.4	46.7	46.9	50.1	55.1	59.7	63.1	63.1	63.1	64.6
Difference	-0.1	1.0	0.4	0.3	0.2	0.0	0.0	0.4	-0.1	-1.3	-1.5	-0.7
Percent Difference	-0.1%	1.8%	0.8%	0.7%	0.4%	0.0%	0.0%	0.6%	-0.2%	-2.0%	-2.3%	-1.0%
<b>Critical (15%)</b>												
DCR 2015 Without Project	62.3	55.2	49.6	47.0	47.8	51.9	56.5	60.5	64.8	67.7	67.0	67.0
DCR 2015 With Project	62.2	56.0	49.9	47.4	48.0	51.8	56.6	61.0	64.6	66.1	65.2	66.1
Difference	-0.1	0.8	0.3	0.3	0.2	-0.1	0.1	0.5	-0.1	-1.6	-1.8	-0.9
Percent Difference	-0.2%	1.4%	0.7%	0.7%	0.4%	-0.2%	0.1%	0.9%	-0.2%	-2.3%	-2.7%	-1.3%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

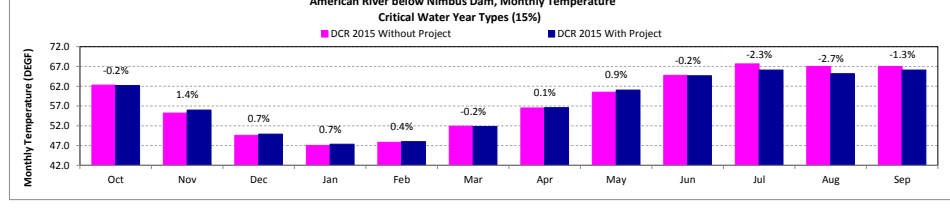
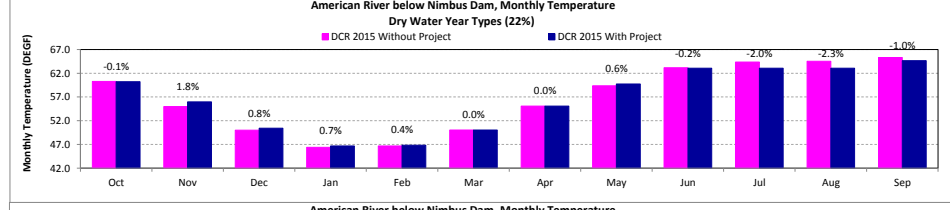
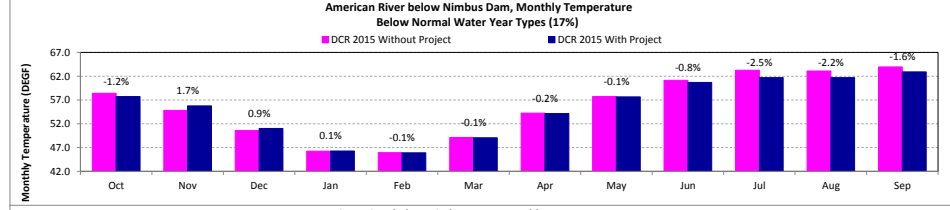
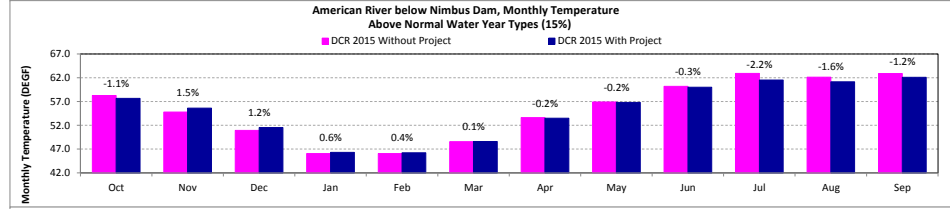
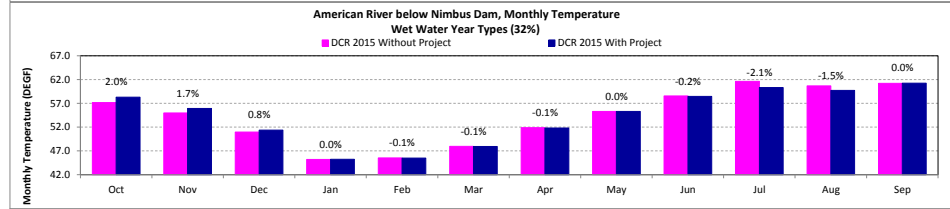
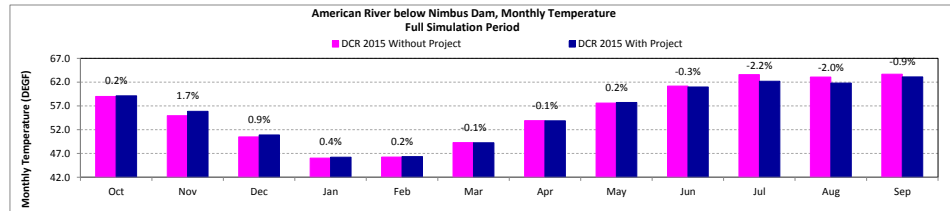


Figure SQ9-1b  
 American River below Nimbus Dam, Monthly Temperature  
 Probability of Exceedance

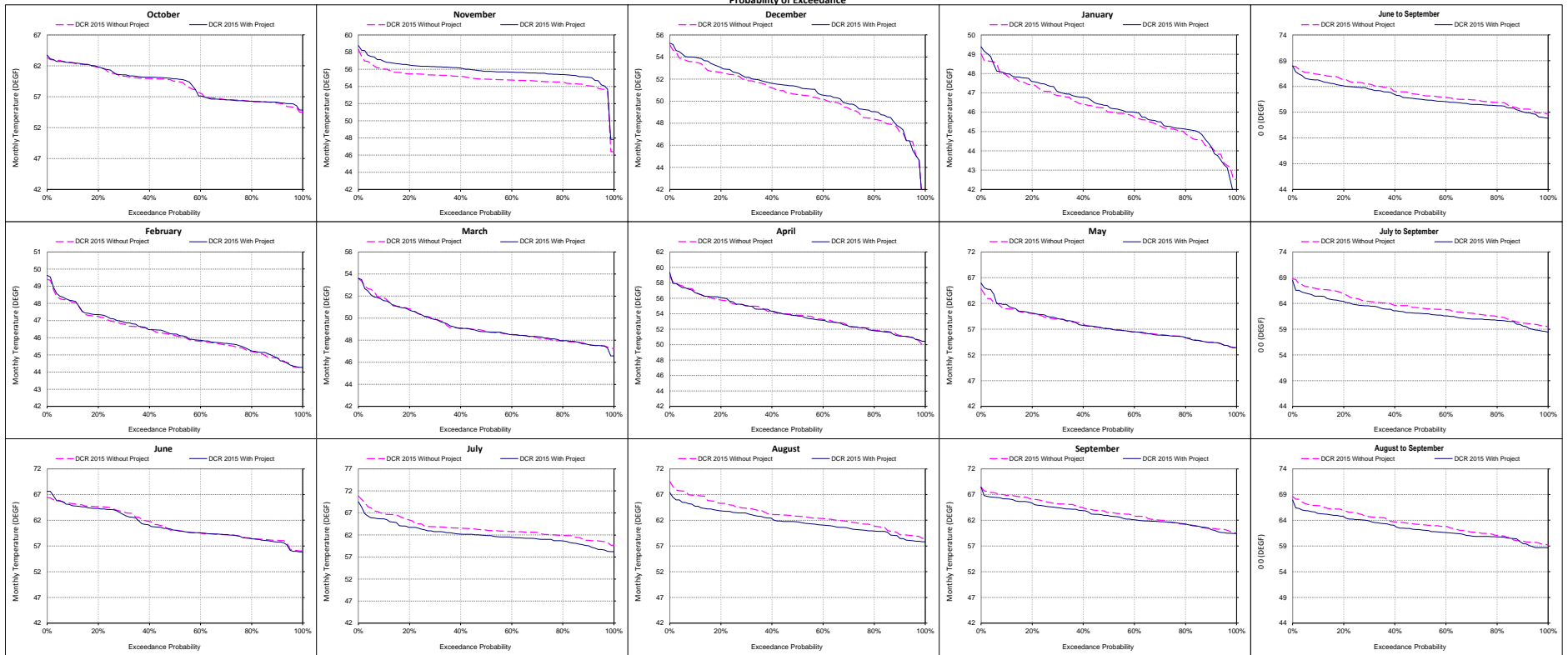


Table SQ9-1b  
American River below Nimbus Dam, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	63.3	63.8	0.4	0.7%	
1.2%	63.0	63.1	0.1	0.2%	
2.5%	63.0	63.0	0.1	0.1%	
3.7%	62.9	62.7	-0.2	-0.3%	
4.9%	62.9	62.7	-0.2	-0.3%	
6.2%	62.7	62.7	0.0	-0.1%	
7.4%	62.6	62.6	0.0	-0.1%	
8.6%	62.6	62.5	-0.1	-0.1%	
9.9%	62.5	62.5	0.1	0.1%	
11.1%	62.4	62.4	0.1	0.1%	
12.3%	62.3	62.4	0.2	0.3%	
13.6%	62.3	62.3	0.1	0.1%	
14.8%	62.2	62.2	0.0	0.0%	
16.0%	62.2	62.2	0.0	0.0%	
17.3%	62.0	62.1	0.1	0.1%	
18.5%	61.9	62.0	0.1	0.2%	
19.8%	61.8	61.8	0.1	0.1%	
21.0%	61.7	61.7	0.0	0.0%	
22.2%	61.6	61.5	-0.1	-0.1%	
23.5%	61.1	61.4	0.2	0.4%	
24.7%	60.8	61.3	0.5	0.9%	
25.9%	60.8	60.9	0.2	0.3%	
27.2%	60.7	60.6	-0.1	-0.1%	
28.4%	60.4	60.6	0.2	0.4%	
29.6%	60.3	60.6	0.2	0.4%	
30.9%	60.3	60.5	0.2	0.4%	
32.1%	60.2	60.4	0.2	0.3%	
33.3%	60.2	60.4	0.2	0.4%	
34.6%	60.1	60.4	0.3	0.5%	
35.8%	60.0	60.2	0.2	0.4%	
37.0%	60.0	60.2	0.2	0.4%	
38.3%	60.0	60.2	0.2	0.3%	
39.5%	59.9	60.2	0.2	0.4%	
40.7%	59.9	60.1	0.2	0.3%	
42.0%	59.9	60.1	0.3	0.4%	
43.2%	59.9	60.1	0.2	0.4%	
44.4%	59.9	60.1	0.2	0.4%	
45.7%	59.9	60.1	0.2	0.3%	
46.9%	59.8	60.0	0.3	0.4%	
48.1%	59.8	60.0	0.2	0.4%	
49.4%	59.5	59.9	0.4	0.6%	
50.6%	59.5	59.9	0.4	0.6%	
51.9%	59.4	59.8	0.4	0.7%	
53.1%	59.3	59.8	0.5	0.8%	
54.3%	58.8	59.6	0.8	1.4%	
55.6%	58.5	59.4	0.9	1.5%	
56.8%	58.2	58.8	0.6	1.0%	
58.0%	58.1	58.2	0.1	0.1%	
59.3%	57.7	57.1	-0.6	-1.0%	
60.5%	57.5	57.1	-0.4	-0.7%	
61.7%	56.9	56.9	0.0	0.0%	
63.0%	56.9	56.8	-0.1	-0.2%	
64.2%	56.8	56.6	-0.2	-0.3%	
65.4%	56.8	56.6	-0.2	-0.3%	
66.7%	56.8	56.6	-0.2	-0.3%	
67.9%	56.7	56.6	-0.1	-0.3%	
69.1%	56.6	56.5	0.0	-0.1%	
70.4%	56.5	56.5	0.0	-0.1%	
71.6%	56.5	56.5	0.0	-0.1%	
72.8%	56.5	56.4	0.0	-0.1%	
74.1%	56.5	56.4	-0.1	-0.1%	
75.3%	56.4	56.4	-0.1	-0.1%	
76.5%	56.4	56.4	-0.1	-0.1%	
77.8%	56.3	56.3	0.0	0.0%	
79.0%	56.3	56.3	0.0	0.0%	
80.2%	56.2	56.3	0.1	0.1%	
81.5%	56.2	56.3	0.0	0.1%	
82.7%	56.2	56.2	0.0	0.1%	
84.0%	56.2	56.2	0.0	0.0%	
85.2%	56.2	56.2	0.0	0.0%	
86.4%	56.1	56.1	0.0	0.0%	
87.7%	56.1	56.1	0.0	0.0%	
88.9%	56.0	56.1	0.1	0.2%	
90.1%	56.0	56.1	0.1	0.2%	
91.4%	55.9	56.0	0.1	0.2%	
92.6%	55.8	56.0	0.1	0.2%	
93.8%	55.4	55.9	0.5	0.9%	
95.1%	55.4	55.9	0.5	0.9%	
96.3%	55.3	55.8	0.5	1.0%	
97.5%	55.3	55.6	0.3	0.5%	
98.8%	54.5	54.8	0.3	0.6%	
100.0%	54.5	54.8	0.3	0.6%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.3	58.8	0.5	0.8%	
1.2%	57.5	58.2	0.7	1.2%	
2.5%	57.0	58.2	1.2	2.2%	
3.7%	56.9	57.7	0.7	1.3%	
4.9%	56.7	57.5	0.8	1.5%	
6.2%	56.4	57.4	1.1	1.9%	
7.4%	56.2	57.1	1.0	1.7%	
8.6%	56.1	57.1	1.0	1.7%	
9.9%	56.0	57.0	0.9	1.7%	
11.1%	56.0	56.8	0.8	1.4%	
12.3%	55.8	56.8	0.9	1.7%	
13.6%	55.7	56.7	1.1	1.9%	
14.8%	55.6	56.7	1.0	1.8%	
16.0%	55.6	56.6	1.0	1.8%	
17.3%	55.6	56.6	1.0	1.7%	
18.5%	55.5	56.6	1.0	1.9%	
19.8%	55.5	56.5	1.0	1.9%	
21.0%	55.5	56.4	1.0	1.8%	
22.2%	55.5	56.4	0.9	1.7%	
23.5%	55.5	56.4	0.9	1.7%	
24.7%	55.4	56.4	0.9	1.7%	
25.9%	55.4	56.3	0.9	1.7%	
27.2%	55.4	56.3	1.0	1.8%	
28.4%	55.3	56.3	1.0	1.8%	
29.6%	55.3	56.3	1.0	1.8%	
30.9%	55.3	56.3	1.0	1.8%	
32.1%	55.3	56.3	1.0	1.8%	
33.3%	55.3	56.3	1.0	1.8%	
34.6%	55.3	56.3	1.0	1.7%	
35.8%	55.3	56.2	1.0	1.7%	
37.0%	55.2	56.2	1.0	1.8%	
38.3%	55.2	56.2	1.0	1.8%	
39.5%	55.2	56.2	1.0	1.8%	
40.7%	55.2	56.1	0.9	1.7%	
42.0%	55.1	56.0	0.9	1.6%	
43.2%	55.0	56.0	1.0	1.8%	
44.4%	55.0	56.0	1.0	1.8%	
45.7%	54.9	55.9	1.0	1.8%	
46.9%	54.9	55.8	1.0	1.7%	
48.1%	54.9	55.8	1.0	1.8%	
49.4%	54.9	55.8	0.9	1.6%	
50.6%	54.8	55.7	0.9	1.6%	
51.9%	54.8	55.7	0.9	1.7%	
53.1%	54.8	55.7	0.9	1.7%	
54.3%	54.8	55.7	0.9	1.7%	
55.6%	54.8	55.7	0.9	1.7%	
56.8%	54.8	55.7	0.9	1.7%	
58.0%	54.8	55.7	0.9	1.7%	
59.3%	54.8	55.7	0.9	1.7%	
60.5%	54.7	55.7	0.9	1.7%	
61.7%	54.7	55.6	0.9	1.7%	
63.0%	54.7	55.6	0.9	1.7%	
64.2%	54.7	55.6	0.9	1.7%	
65.4%	54.7	55.6	0.9	1.7%	
66.7%	54.7	55.6	0.9	1.6%	
67.9%	54.7	55.6	0.9	1.6%	
69.1%	54.6	55.6	0.9	1.7%	
70.4%	54.6	55.5	0.9	1.7%	
71.6%	54.6	55.5	0.9	1.7%	
72.8%	54.6	55.5	1.0	1.8%	
74.1%	54.5	55.4	0.9	1.6%	
75.3%	54.5	55.4	0.9	1.7%	
76.5%	54.5	55.4	0.9	1.6%	
77.8%	54.5	55.4	0.9	1.6%	
79.0%	54.5	55.4	0.9	1.6%	
80.2%	54.5	55.4	0.9	1.6%	
81.5%	54.4	55.3	1.0	1.8%	
82.7%	54.3	55.3	1.0	1.8%	
84.0%	54.3	55.3	1.0	1.8%	
85.2%	54.3	55.2	0.9	1.7%	
86.4%	54.3	55.1	0.9	1.6%	
87.7%	54.3	55.1	0.9	1.6%	
88.9%	54.1	55.1	1.0	1.8%	
90.1%	54.1	55.1	1.0	1.8%	
91.4%	54.0	55.0	1.0	1.8%	
92.6%	54.0	54.7	0.7	1.3%	
93.8%	53.8	54.7	0.9	1.6%	
95.1%	53.7	54.2	0.5	0.9%	
96.3%	53.7	54.0	0.4	0.7%	
97.5%	53.5	53.7	0.2	0.4%	
98.8%	46.4	47.8	1.4	3.1%	
100.0%	46.4	47.8	1.4	3.1%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	55.1	55.3	0.2	0.3%	
1.2%	54.6	55.1	0.5	1.0%	
2.5%	54.5	54.6	0.1	0.2%	
3.7%	53.9	54.5	0.6	1.1%	
4.9%	53.8	54.3	0.4	0.8%	
6.2%	53.7	54.0	0.3	0.6%	
7.4%	53.6	54.0	0.4	0.7%	
8.6%	53.6	54.0	0.4	0.8%	
9.9%	53.5	54.0	0.5	0.9%	
11.1%	53.5	53.9	0.4	0.8%	
12.3%	53.4	53.9	0.5	0.9%	
13.6%	53.1	53.7	0.6	1.1%	
14.8%	52.8	53.6	0.8	1.6%	
16.0%	52.7	53.4	0.7	1.3%	
17.3%	52.7	53.3	0.6	1.1%	
18.5%	52.7	53.2	0.5	1.0%	
19.8%	52.6	53.1	0.5	0.9%	
21.0%	52.5	52.9	0.4	0.7%	
22.2%	52.5	52.9	0.4	0.8%	
23.5%	52.4	52.9	0.4	0.8%	
24.7%	52.4	52.7	0.3	0.5%	
25.9%	52.3	52.6	0.3	0.5%	
27.2%	52.3	52.5	0.2	0.4%	
28.4%	52.3	52.3	0.3	0.5%	
29.6%	51.9	52.2	0.2	0.4%	
30.9%	51.8	52.2	0.2	0.4%	
32.1%	51.8	52.0	0.2	0.3%	
33.3%	51.8	52.0	0.2	0.4%	
34.6%	51.7	52.0	0.3	0.5%	
35.8%	51.6	51.9	0.2	0.4%	
37.0%	51.5	51.8	0.2	0.5%	
38.3%	51.4	51.7	0.3	0.6%	
39.5%	51.2	51.6	0.4	0.8%	
40.7%	51.2	51.6	0.4	0.8%	
42.0%	51.0	51.6	0.6	1.1%	
43.2%	51.0	51.5	0.6	1.1%	
44.4%	51.0	51.5	0.5	1.0%	
45.7%	50.7	51.4	0.7	1.4%	
46.9%	50.7	51.4	0.7	1.3%	
48.1%	50.7	51.4	0.7	1.4%	
49.4%	50.6	51.3	0.7	1.4%	
50.6%	50.6	51.3	0.7	1.4%	
51.9%	50.5	51.2	0.6	1.2%	
53.1%	50.5	51.1	0.6	1.2%	
54.3%	50.5	51.1	0.6	1.2%	
55.6%	50.4	51.1	0.7	1.4%	
56.8%	50.3	51.1	0.7	1.5%	
58.0%	50.3	50.7	0.4	0.9%	
59.3%	50.2	50.6	0.4	0.8%	
60.5%	50.1	50.5	0.4	0.8%	
61.7%	50.0	50.5	0.5	1.0%	
63.0%	49.9	50.5	0.6	1.1%	
64.2%	49.9	50.3	0.4	0.9%	
65.4%	49.9	50.3	0.5	0.9%	
66.7%	49.8	50.2	0.4	0.9%	
67.9%	49.5	49.9	0.4	0.8%	
69.1%	49.4	49.8	0.4	0.7%	
70.4%	49.3	49.7	0.4	0.9%	
71.6%	49.1	49.7	0.6	1.2%	
72.8%	49.1	49.6	0.5	0.9%	
74.1%	48.9	49.3	0.4	0.7%	
75.3%	48.5	49.3	0.7	1.5%	
76.5%	48.5	49.2	0.7	1.5%	
77.8%	48.5	49.2	0.7	1.5%	
79.0%	48.5	49.1	0.6		

Table SQ9-1b  
American River below Nimbus Dam, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	49.4	49.6	0.2	0.5%	
1.2%	49.3	49.5	0.2	0.4%	
2.5%	48.8	48.9	0.1	0.3%	
3.7%	48.4	48.6	0.2	0.4%	
4.9%	48.3	48.4	0.1	0.3%	
6.2%	48.2	48.4	0.1	0.3%	
7.4%	48.2	48.3	0.1	0.1%	
8.6%	48.2	48.2	0.0	0.0%	
9.9%	48.1	48.2	0.1	0.2%	
11.1%	48.0	48.1	0.1	0.2%	
12.3%	47.8	47.8	0.0	0.0%	
13.6%	47.5	47.5	0.0	0.0%	
14.8%	47.4	47.4	0.1	0.2%	
16.0%	47.3	47.4	0.1	0.3%	
17.3%	47.3	47.4	0.1	0.2%	
18.5%	47.3	47.4	0.1	0.2%	
19.8%	47.2	47.3	0.1	0.2%	
21.0%	47.2	47.3	0.1	0.3%	
22.2%	47.2	47.3	0.1	0.3%	
23.5%	47.0	47.2	0.2	0.4%	
24.7%	47.0	47.1	0.1	0.3%	
25.9%	46.9	47.1	0.2	0.3%	
27.2%	46.9	47.0	0.1	0.2%	
28.4%	46.8	47.0	0.1	0.3%	
29.6%	46.8	46.9	0.1	0.3%	
30.9%	46.8	46.9	0.1	0.2%	
32.1%	46.7	46.9	0.2	0.4%	
33.3%	46.7	46.8	0.1	0.3%	
34.6%	46.7	46.8	0.1	0.3%	
35.8%	46.7	46.7	0.0	0.0%	
37.0%	46.6	46.6	0.0	0.1%	
38.3%	46.6	46.6	0.0	0.1%	
39.5%	46.5	46.5	-0.1	-0.1%	
40.7%	46.5	46.5	0.0	-0.1%	
42.0%	46.4	46.5	0.1	0.2%	
43.2%	46.3	46.5	0.2	0.3%	
44.4%	46.3	46.4	0.2	0.3%	
45.7%	46.3	46.4	0.1	0.3%	
46.9%	46.2	46.3	0.1	0.2%	
48.1%	46.2	46.2	0.0	0.1%	
49.4%	46.2	46.2	0.1	0.2%	
50.6%	46.1	46.2	0.1	0.2%	
51.9%	46.1	46.1	0.1	0.1%	
53.1%	46.0	46.1	0.1	0.1%	
54.3%	46.0	46.1	0.1	0.2%	
55.6%	45.9	45.9	0.0	0.1%	
56.8%	45.9	45.9	0.0	0.1%	
58.0%	45.8	45.9	0.0	0.1%	
59.3%	45.8	45.9	0.1	0.1%	
60.5%	45.8	45.8	0.1	0.1%	
61.7%	45.8	45.8	0.0	0.1%	
63.0%	45.7	45.8	0.1	0.2%	
64.2%	45.7	45.7	0.0	0.1%	
65.4%	45.7	45.7	0.1	0.1%	
66.7%	45.7	45.7	0.1	0.1%	
67.9%	45.6	45.7	0.1	0.1%	
69.1%	45.6	45.7	0.1	0.2%	
70.4%	45.6	45.7	0.1	0.2%	
71.6%	45.5	45.6	0.1	0.2%	
72.8%	45.5	45.6	0.1	0.3%	
74.1%	45.5	45.6	0.1	0.3%	
75.3%	45.4	45.5	0.1	0.2%	
76.5%	45.4	45.5	0.1	0.2%	
77.8%	45.3	45.4	0.1	0.2%	
79.0%	45.2	45.3	0.1	0.2%	
80.2%	45.2	45.2	0.0	0.0%	
81.5%	45.1	45.2	0.1	0.1%	
82.7%	45.1	45.2	0.0	0.1%	
84.0%	45.1	45.2	0.1	0.2%	
85.2%	45.0	45.1	0.2	0.4%	
86.4%	44.9	45.1	0.2	0.5%	
87.7%	44.8	45.0	0.1	0.3%	
88.9%	44.8	44.9	0.1	0.1%	
90.1%	44.8	44.8	0.0	0.0%	
91.4%	44.7	44.6	-0.1	-0.2%	
92.6%	44.6	44.6	0.1	0.1%	
93.8%	44.6	44.5	0.0	-0.1%	
95.1%	44.5	44.4	-0.1	-0.2%	
96.3%	44.3	44.3	0.0	0.1%	
97.5%	44.3	44.3	0.0	0.0%	
98.8%	44.3	44.3	0.0	0.0%	
100.0%	44.3	44.3	0.0	0.0%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.6	53.6	0.0	0.1%	
1.2%	53.4	53.5	0.1	0.3%	
2.5%	52.9	52.7	-0.3	-0.5%	
3.7%	52.7	52.5	-0.2	-0.4%	
4.9%	52.6	52.1	-0.5	-0.9%	
6.2%	52.4	51.9	-0.5	-0.9%	
7.4%	51.9	51.9	-0.1	-0.1%	
8.6%	51.9	51.7	-0.2	-0.3%	
9.9%	51.9	51.6	-0.3	-0.6%	
11.1%	51.7	51.6	-0.1	-0.2%	
12.3%	51.3	51.4	0.1	0.1%	
13.6%	51.2	51.1	-0.1	-0.2%	
14.8%	51.1	51.1	0.0	0.0%	
16.0%	51.1	51.0	-0.1	-0.1%	
17.3%	51.0	50.9	0.0	0.0%	
18.5%	50.9	50.9	0.0	-0.1%	
19.8%	50.8	50.8	-0.1	-0.2%	
21.0%	50.8	50.6	-0.2	-0.3%	
22.2%	50.6	50.6	0.0	0.1%	
23.5%	50.4	50.4	0.0	0.0%	
24.7%	50.3	50.3	0.0	0.0%	
25.9%	50.2	50.2	0.0	0.0%	
27.2%	50.1	50.1	0.0	-0.1%	
28.4%	50.1	49.1	-1.0	-2.0%	
29.6%	49.9	49.9	0.0	-0.1%	
30.9%	49.9	49.8	0.0	0.0%	
32.1%	49.8	49.7	-0.1	-0.2%	
33.3%	49.7	49.6	-0.1	-0.2%	
34.6%	49.3	49.5	0.2	0.3%	
35.8%	49.1	49.3	0.2	0.3%	
37.0%	49.1	49.2	0.1	0.2%	
38.3%	49.1	49.1	0.0	0.0%	
39.5%	49.1	49.1	0.0	-0.1%	
40.7%	49.1	49.1	0.0	-0.1%	
42.0%	49.1	49.1	0.0	0.0%	
43.2%	49.0	49.0	0.0	0.0%	
44.4%	49.0	49.0	0.0	-0.1%	
45.7%	49.0	48.9	-0.1	-0.1%	
46.9%	49.0	48.8	-0.1	-0.3%	
48.1%	48.9	48.8	-0.1	-0.3%	
49.4%	48.8	48.8	-0.1	-0.2%	
50.6%	48.7	48.8	0.0	0.0%	
51.9%	48.7	48.7	0.0	0.0%	
53.1%	48.7	48.7	0.0	0.0%	
54.3%	48.7	48.7	0.1	0.1%	
55.6%	48.7	48.7	0.1	0.1%	
56.8%	48.6	48.6	0.0	0.0%	
58.0%	48.6	48.6	0.0	0.0%	
59.3%	48.6	48.5	-0.1	-0.1%	
60.5%	48.5	48.5	0.0	0.0%	
61.7%	48.5	48.5	0.0	0.0%	
63.0%	48.5	48.4	0.0	0.0%	
64.2%	48.4	48.4	0.0	0.0%	
65.4%	48.4	48.4	0.0	0.0%	
66.7%	48.3	48.4	0.0	0.0%	
67.9%	48.3	48.3	0.0	0.0%	
69.1%	48.3	48.3	0.1	0.1%	
70.4%	48.2	48.3	0.1	0.3%	
71.6%	48.2	48.3	0.1	0.3%	
72.8%	48.1	48.2	0.1	0.2%	
74.1%	48.1	48.2	0.1	0.2%	
75.3%	48.1	48.1	0.1	0.2%	
76.5%	48.0	48.1	0.2	0.4%	
77.8%	47.9	48.1	0.1	0.2%	
79.0%	47.9	48.0	0.0	0.0%	
80.2%	47.9	47.9	0.0	0.0%	
81.5%	47.9	47.9	0.0	0.1%	
82.7%	47.9	47.9	0.1	0.1%	
84.0%	47.8	47.9	0.1	0.1%	
85.2%	47.8	47.9	0.0	0.0%	
86.4%	47.8	47.8	0.0	0.0%	
87.7%	47.8	47.7	-0.1	-0.2%	
88.9%	47.7	47.7	0.0	0.0%	
90.1%	47.6	47.6	0.0	0.0%	
91.4%	47.6	47.6	0.0	0.0%	
92.6%	47.5	47.5	0.0	0.0%	
93.8%	47.5	47.5	0.0	0.0%	
95.1%	47.5	47.5	0.0	0.0%	
96.3%	47.5	47.5	0.0	0.0%	
97.5%	47.4	47.3	-0.1	-0.2%	
98.8%	47.3	46.6	-0.7	-1.4%	
100.0%	47.3	46.6	-0.7	-1.4%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.9	59.3	0.5	0.8%	
1.2%	58.1	57.9	-0.2	-0.3%	
2.5%	57.9	57.9	0.0	-0.1%	
3.7%	57.7	57.6	-0.1	-0.2%	
4.9%	57.6	57.4	-0.2	-0.4%	
6.2%	57.3	57.3	0.0	0.0%	
7.4%	57.2	57.2	-0.1	-0.1%	
8.6%	57.2	57.1	-0.2	-0.3%	
9.9%	56.9	56.7	-0.2	-0.3%	
11.1%	56.6	56.6	0.0	-0.1%	
12.3%	56.4	56.5	0.0	0.0%	
13.6%	56.3	56.3	0.0	0.0%	
14.8%	56.2	56.2	0.0	0.1%	
16.0%	56.1	56.2	0.1	0.3%	
17.3%	56.2	56.2	0.2	0.4%	
18.5%	56.8	56.2	0.4	0.6%	
19.8%	56.8	56.1	0.3	0.5%	
21.0%	56.7	56.0	0.3	0.5%	
22.2%	56.7	56.0	0.3	0.5%	
23.5%	56.5	56.6	0.1	0.2%	
24.7%	56.3	56.5	0.2	0.4%	
25.9%	56.2	56.2	0.0	0.0%	
27.2%	56.2	56.2	0.0	0.0%	
28.4%	56.2	56.2	0.0	0.0%	
29.6%	56.0	56.1	0.0	0.1%	
30.9%	56.0	56.0	0.0	0.0%	
32.1%	56.0	56.0	0.0	0.0%	
33.3%	56.0	54.6	-0.4	-0.7%	
34.6%	54.9	54.6	-0.3	-0.6%	
35.8%	54.8	54.6	-0.2	-0.3%	
37.0%	54.6	54.6	0.0	0.0%	
38.3%	54.3	54.6	0.2	0.5%	
39.5%	54.3	54.3	0.0	0.1%	
40.7%	54.2	54.3	0.1	0.2%	
42.0%	54.1	54.2	0.1	0.2%	
43.2%	54.1	54.1	0.0	0.0%	
44.4%	54.0	54.0	0.0	0.0%	
45.7%	54.0	53.9	0.0	-0.1%	
46.9%	54.0	53.8	-0.1	-0.2%	
48.1%	53.8	53.8	0.0	-0.1%	
49.4%	53.8	53.7	-0.1	-0.1%	
50.6%	53.8	53.7	-0.1	-0.2%	
51.9%	53.8	53.7	-0.1	-0.3%	
53.1%	53.8	53.5	-0.3	-0.5%	
54.3%	53.7	53.4	-0.3	-0.6%	
55.6%	53.6	53.3	-0.3	-0.6%	
56.8%	53.4	53.3	-0.1	-0.2%	
58.0%	53.3	53.2	-0.1	-0.2%	
59.3%	53.3	53.2	-0.1	-0.2%	
60.5%	53.2	53.1	-0.1	-0.2%	
61.7%	53.2	52.9	-0.2	-0.5%	
63.0%	53.1	52.9	-0.2	-0.4%	
64.2%	52.9	52.9	0.0	-0.1%	
65.4%	52.9	52.9	0.0	-0.1%	
66.7%	52.9	52.8	-0.1	-0.1%	
67.9%	52.8	52.6	-0.2	-0.4%	
69.1%	52.6	52.5	-0.1	-0.2%	
70.4%	52.3	52.3	0.0	0.0%	
71.6%	52.3	52.3	0.0	0.0%	
72.8%	52.3	52.3	0.0	0.0%	
74.1%	52.3	52.2	-0.1	-0.1%	
75.3%	52.2	52.2	0.0	-0.1%	
76.5%	52.2	52.2	0.0	0.0%	
77.8%	52.2	51.9	-0.2	-0.4%	
79.0%	51.9	51.8	-0.1	-	

Table SQ9-1b  
American River below Nimbus Dam, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	66.4	67.6	1.2	1.8%	
1.2%	66.3	67.6	1.3	1.9%	
2.5%	66.0	66.7	0.8	1.2%	
3.7%	66.0	66.8	-0.2	-0.2%	
4.9%	65.8	66.7	-0.1	-0.1%	
9.2%	65.5	66.6	0.0	0.0%	
7.4%	65.4	65.2	-0.2	-0.4%	
8.6%	65.3	65.1	-0.3	-0.4%	
9.9%	65.2	64.8	-0.4	-0.7%	
11.1%	65.2	64.8	-0.4	-0.6%	
12.3%	65.0	64.7	-0.3	-0.5%	
13.6%	65.0	64.6	-0.4	-0.6%	
14.8%	64.8	64.6	-0.2	-0.3%	
16.0%	64.7	64.4	-0.3	-0.5%	
17.3%	64.7	64.3	-0.4	-0.6%	
18.5%	64.7	64.3	-0.3	-0.5%	
19.8%	64.6	64.3	-0.3	-0.5%	
21.0%	64.6	64.2	-0.4	-0.6%	
22.2%	64.6	64.2	-0.4	-0.6%	
23.5%	64.5	64.1	-0.5	-0.7%	
24.7%	64.5	64.1	-0.4	-0.6%	
25.9%	64.2	64.1	-0.2	-0.2%	
27.2%	63.9	63.8	-0.1	-0.2%	
28.4%	63.8	63.5	-0.3	-0.4%	
29.6%	63.7	63.2	-0.6	-0.9%	
30.9%	63.4	62.9	-0.6	-0.9%	
32.1%	63.4	62.7	-0.7	-1.1%	
33.3%	63.4	62.6	-0.8	-1.2%	
34.6%	62.6	62.4	-0.2	-0.3%	
35.8%	62.6	61.9	-0.7	-1.1%	
37.0%	62.2	61.3	-0.9	-1.4%	
38.3%	61.9	61.2	-0.7	-1.2%	
39.5%	61.8	61.1	-0.7	-1.1%	
40.7%	61.7	60.8	-0.9	-1.5%	
42.0%	61.2	60.7	-0.5	-0.8%	
43.2%	61.1	60.7	-0.5	-0.7%	
44.4%	61.0	60.6	-0.3	-0.5%	
45.7%	61.0	60.4	-0.5	-0.9%	
46.9%	60.4	60.4	0.0	0.0%	
48.1%	60.1	60.3	0.2	0.3%	
49.4%	60.1	60.1	0.0	0.0%	
50.6%	60.1	60.1	0.0	0.0%	
51.9%	60.0	59.9	-0.1	-0.1%	
53.1%	59.9	59.9	0.0	0.0%	
54.3%	59.8	59.8	0.0	0.0%	
55.6%	59.6	59.7	0.1	0.1%	
56.8%	59.6	59.6	0.0	0.0%	
58.0%	59.6	59.6	0.0	0.0%	
59.3%	59.6	59.6	0.0	0.0%	
60.5%	59.5	59.5	0.1	0.1%	
61.7%	59.4	59.5	0.1	0.2%	
63.0%	59.4	59.4	0.0	0.0%	
64.2%	59.4	59.4	0.0	0.0%	
65.4%	59.3	59.3	0.0	0.0%	
66.7%	59.3	59.3	0.0	0.0%	
67.9%	59.2	59.3	0.1	0.1%	
69.1%	59.2	59.2	0.0	0.1%	
70.4%	59.2	59.2	0.0	0.1%	
71.6%	59.1	59.1	0.0	0.1%	
72.8%	59.1	59.1	0.0	0.0%	
74.1%	59.0	59.0	0.0	0.0%	
75.3%	58.9	58.9	0.0	0.0%	
76.5%	58.8	58.6	-0.2	-0.3%	
77.8%	58.6	58.6	0.0	0.0%	
79.0%	58.6	58.5	-0.1	-0.2%	
80.2%	58.5	58.4	-0.1	-0.2%	
81.5%	58.4	58.3	0.0	-0.1%	
82.7%	58.3	58.3	-0.1	-0.1%	
84.0%	58.3	58.1	-0.2	-0.4%	
85.2%	58.3	58.1	-0.2	-0.3%	
86.4%	58.2	58.0	-0.2	-0.3%	
87.7%	58.1	57.9	-0.2	-0.4%	
88.9%	58.1	57.8	-0.3	-0.5%	
90.1%	58.1	57.8	-0.3	-0.6%	
91.4%	58.1	57.8	-0.3	-0.5%	
92.6%	58.0	57.6	-0.4	-0.7%	
93.8%	57.6	57.2	-0.4	-0.7%	
95.1%	56.4	56.1	-0.4	-0.4%	
96.3%	56.1	56.0	-0.2	-0.3%	
97.5%	56.1	55.9	-0.2	-0.3%	
98.8%	56.0	55.9	-0.2	-0.3%	
100.0%	56.0	55.9	-0.2	-0.3%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	70.8	69.5	-1.3	-1.8%	
1.2%	70.1	68.3	-1.8	-2.5%	
2.5%	69.4	66.8	-2.5	-3.7%	
3.7%	68.4	66.3	-2.1	-3.1%	
4.9%	68.1	65.9	-2.2	-3.2%	
9.2%	67.5	65.8	-1.6	-2.4%	
7.4%	67.3	65.7	-1.6	-2.4%	
8.6%	67.0	65.7	-1.3	-2.0%	
9.9%	66.8	65.6	-1.2	-1.8%	
11.1%	66.6	65.5	-1.2	-1.8%	
12.3%	66.6	65.0	-1.7	-2.5%	
13.6%	66.6	64.9	-1.7	-2.5%	
14.8%	66.6	64.8	-1.8	-2.6%	
16.0%	66.2	64.1	-2.2	-3.3%	
17.3%	65.9	64.0	-1.9	-2.8%	
18.5%	65.6	64.0	-1.6	-2.4%	
19.8%	65.4	63.7	-1.7	-2.6%	
21.0%	65.2	63.7	-1.5	-2.3%	
22.2%	64.6	63.7	-0.9	-1.4%	
23.5%	64.5	63.6	-1.0	-1.5%	
24.7%	64.5	63.3	-1.2	-1.9%	
25.9%	64.0	63.2	-0.8	-1.2%	
27.2%	63.9	63.0	-1.0	-1.5%	
28.4%	63.8	62.9	-1.0	-1.5%	
29.6%	63.9	62.8	-1.1	-1.7%	
30.9%	63.9	62.8	-1.1	-1.7%	
32.1%	63.8	62.8	-1.1	-1.7%	
33.3%	63.8	62.7	-1.1	-1.7%	
34.6%	63.7	62.5	-1.2	-1.8%	
35.8%	63.7	62.5	-1.2	-1.8%	
37.0%	63.6	62.4	-1.2	-1.9%	
38.3%	63.6	62.3	-1.3	-2.1%	
39.5%	63.5	62.2	-1.3	-2.1%	
40.7%	63.5	62.2	-1.4	-2.1%	
42.0%	63.5	62.2	-1.3	-2.1%	
43.2%	63.5	62.2	-1.3	-2.1%	
44.4%	63.4	62.1	-1.3	-2.0%	
45.7%	63.4	62.0	-1.3	-2.1%	
46.9%	63.2	62.0	-1.2	-1.9%	
48.1%	63.2	62.0	-1.2	-2.0%	
49.4%	63.2	61.9	-1.2	-2.0%	
50.6%	63.0	61.9	-1.2	-1.8%	
51.9%	63.0	61.8	-1.1	-1.8%	
53.1%	63.0	61.7	-1.3	-2.1%	
54.3%	63.0	61.6	-1.4	-2.2%	
55.6%	62.9	61.6	-1.3	-2.1%	
56.8%	62.9	61.5	-1.4	-2.2%	
58.0%	62.8	61.5	-1.3	-2.0%	
59.3%	62.8	61.5	-1.3	-2.0%	
60.5%	62.8	61.4	-1.3	-2.1%	
61.7%	62.8	61.4	-1.4	-2.2%	
63.0%	62.7	61.4	-1.4	-2.2%	
64.2%	62.7	61.3	-1.4	-2.3%	
65.4%	62.7	61.2	-1.4	-2.2%	
66.7%	62.7	61.2	-1.4	-2.3%	
67.9%	62.6	61.2	-1.4	-2.2%	
69.1%	62.6	61.1	-1.4	-2.3%	
70.4%	62.5	61.1	-1.4	-2.3%	
71.6%	62.2	61.0	-1.2	-2.0%	
72.8%	62.1	61.0	-1.1	-1.8%	
74.1%	62.1	61.0	-1.1	-1.8%	
75.3%	62.1	61.0	-1.1	-1.7%	
76.5%	62.0	60.7	-1.3	-2.1%	
77.8%	62.0	60.7	-1.2	-2.0%	
79.0%	61.9	60.7	-1.2	-2.0%	
80.2%	61.9	60.7	-1.2	-2.0%	
81.5%	61.9	60.5	-1.3	-2.2%	
82.7%	61.8	60.3	-1.6	-2.5%	
84.0%	61.8	60.1	-1.7	-2.7%	
85.2%	61.4	60.1	-1.4	-2.2%	
86.4%	61.4	59.9	-1.5	-2.4%	
87.7%	61.1	59.8	-1.3	-2.2%	
88.9%	60.8	59.6	-1.2	-2.0%	
90.1%	60.8	59.5	-1.2	-2.0%	
91.4%	60.7	59.2	-1.5	-2.5%	
92.6%	60.7	58.0	-1.7	-2.8%	
93.8%	60.7	58.7	-2.0	-3.2%	
95.1%	60.6	58.7	-1.9	-3.1%	
96.3%	60.5	58.6	-1.9	-3.2%	
97.5%	60.3	58.3	-2.0	-3.3%	
98.8%	59.7	58.2	-1.5	-2.5%	
100.0%	59.7	58.2	-1.5	-2.5%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	68.6	68.5	-0.2	-0.3%	
1.2%	68.5	66.5	-2.1	-3.0%	
2.5%	67.9	66.0	-1.9	-2.9%	
3.7%	67.7	66.0	-1.8	-2.6%	
4.9%	67.7	65.5	-2.2	-3.2%	
9.2%	67.6	65.4	-2.2	-3.2%	
7.4%	67.0	65.2	-1.7	-2.6%	
8.6%	66.9	65.1	-1.7	-2.6%	
9.9%	66.8	64.7	-2.1	-3.2%	
11.1%	66.8	64.7	-2.1	-3.1%	
12.3%	66.7	64.4	-2.3	-3.5%	
13.6%	66.7	64.3	-2.4	-3.6%	
14.8%	66.9	64.2	-2.7	-4.0%	
16.0%	66.8	64.2	-2.6	-3.9%	
17.3%	65.7	64.1	-1.7	-2.5%	
18.5%	65.4	63.9	-1.5	-2.3%	
19.8%	65.3	63.8	-1.5	-2.3%	
21.0%	65.3	63.8	-1.5	-2.3%	
22.2%	65.3	63.7	-1.6	-2.4%	
23.5%	65.0	63.7	-1.3	-2.0%	
24.7%	65.0	63.5	-1.4	-2.2%	
25.9%	64.6	63.5	-1.1	-1.7%	
27.2%	64.6	63.4	-1.1	-1.8%	
28.4%	64.4	63.4	-1.0	-1.5%	
29.6%	64.4	63.4	-0.9	-1.5%	
30.9%	64.3	63.2	-1.0	-1.6%	
32.1%	64.2	63.1	-1.2	-1.8%	
33.3%	64.1	62.9	-1.2	-1.8%	
34.6%	63.9	62.8	-1.1	-1.7%	
35.8%	63.9	62.7	-1.2	-1.8%	
37.0%	63.6	62.6	-1.0	-1.6%	
38.3%	63.3	62.4	-0.9	-1.3%	
39.5%	63.2	62.4	-0.8	-1.3%	
40.7%	63.1	62.0	-1.1	-1.7%	
42.0%	63.1	61.9	-1.2	-1.9%	
43.2%	63.1	61.9	-1.2	-1.9%	
44.4%	63.0	61.8	-1.2	-2.0%	
45.7%	63.0	61.8	-1.3	-2.0%	
46.9%	62.9	61.8	-1.2	-1.9%	
48.1%	62.8	61.8	-1.2	-1.9%	
49.4%	62.8	61.7	-1.1	-1.7%	
50.6%	62.8	61.6	-1.1	-1.8%	
51.9%	62.7	61.5	-1.2	-1.9%	
53.1%	62.7	61.4	-1.3	-2.0%	
54.3%	62.6	61.3	-1.2	-1.9%	
55.6%	62.5	61.3	-1.1	-1.8%	
56.8%	62.4	61.2	-1.2	-1.9%	
58.0%	62.4	61.1	-1.3	-2.0%	
59.3%	62.4	61.1	-1.3	-2.1%	
60.5%	62.3	61.0	-1.3	-2.0%	
61.7%	62.3	61.0	-1.3	-2.0%	
63.0%	62.2	61.0	-1.2	-2.0%	
64.2%	62.1	60.8	-1.2	-2.0%	
65.4%	62.0	60.7	-1.4	-2.2%	
66.7%	62.0	60.6	-1.3	-2.2%	
67.9%	61.9	60.6	-1.3	-2.1%	
69.1%	61.8	60.6	-1.3	-2.0%	
70.4%	61.7	60.4	-1.3	-2.0%	
71.6%	61.6	60.3	-1.3	-2.1%	
72.8%	61.5	60.2	-1.3	-2.1%	
74.1%	61.4	60.2	-1.2	-2.0%	
75.3%	61.3	60.1	-1.2	-1.9%	
76.5%	61.3	60.0	-1.2	-2.0%	
77.8%	61.2	59.9	-1.3	-2.1%	
79.0%	61.1	59.9	-1.1	-	

Table SQ9-1b  
American River below Nimbus Dam, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	67.9	68.0	0.1	0.1%	
1.2%	67.9	66.8	-1.1	-1.6%	
2.5%	67.3	66.4	-0.9	-1.3%	
3.7%	67.0	66.1	-0.9	-1.3%	
4.9%	66.7	65.6	-1.1	-1.7%	
6.2%	66.7	65.4	-1.2	-1.9%	
7.4%	66.6	65.3	-1.3	-1.9%	
8.6%	66.4	65.3	-1.2	-1.7%	
9.9%	66.4	65.3	-1.1	-1.7%	
11.1%	66.2	65.1	-1.2	-1.7%	
12.3%	66.2	64.8	-1.3	-2.0%	
13.6%	66.0	64.8	-1.3	-1.9%	
14.8%	66.0	64.6	-1.3	-2.0%	
16.0%	65.9	64.5	-1.4	-2.1%	
17.3%	65.9	64.3	-1.6	-2.4%	
18.5%	65.6	64.2	-1.4	-2.1%	
19.8%	65.3	64.1	-1.2	-1.8%	
21.0%	65.3	64.0	-1.3	-1.9%	
22.2%	65.0	64.0	-1.0	-1.5%	
23.5%	64.8	63.9	-0.9	-1.4%	
24.7%	64.8	63.9	-0.9	-1.5%	
25.9%	64.8	63.8	-0.9	-1.5%	
27.2%	64.7	63.8	-0.9	-1.4%	
28.4%	64.5	63.8	-0.8	-1.2%	
29.6%	64.5	63.5	-1.0	-1.5%	
30.9%	64.4	63.4	-1.0	-1.5%	
32.1%	64.1	63.2	-0.9	-1.4%	
33.3%	64.0	63.2	-0.9	-1.3%	
34.6%	64.0	63.2	-0.8	-1.3%	
35.8%	63.8	63.0	-0.9	-1.4%	
37.0%	63.8	62.9	-0.9	-1.3%	
38.3%	63.7	62.8	-0.9	-1.3%	
39.5%	63.1	62.5	-0.6	-1.0%	
40.7%	63.0	62.3	-0.7	-1.1%	
42.0%	63.0	62.2	-0.7	-1.2%	
43.2%	63.0	61.9	-1.1	-1.7%	
44.4%	63.0	61.8	-1.2	-1.9%	
45.7%	62.8	61.7	-1.0	-1.6%	
46.9%	62.6	61.7	-0.9	-1.4%	
48.1%	62.5	61.6	-0.9	-1.5%	
49.4%	62.4	61.5	-0.9	-1.5%	
50.6%	62.3	61.5	-0.8	-1.3%	
51.9%	62.2	61.4	-0.8	-1.3%	
53.1%	62.2	61.3	-0.8	-1.3%	
54.3%	62.1	61.3	-0.8	-1.3%	
55.6%	62.1	61.2	-0.9	-1.5%	
56.8%	62.0	61.1	-0.9	-1.4%	
58.0%	62.0	61.1	-0.8	-1.4%	
59.3%	61.9	61.1	-0.9	-1.4%	
60.5%	61.8	61.0	-0.8	-1.3%	
61.7%	61.8	60.9	-0.8	-1.3%	
63.0%	61.6	60.9	-0.7	-1.1%	
64.2%	61.6	60.9	-0.7	-1.1%	
65.4%	61.5	60.8	-0.7	-1.1%	
66.7%	61.5	60.7	-0.8	-1.2%	
67.9%	61.5	60.7	-0.8	-1.3%	
69.1%	61.5	60.6	-0.9	-1.4%	
70.4%	61.4	60.5	-0.9	-1.4%	
71.6%	61.4	60.5	-0.9	-1.4%	
72.8%	61.3	60.5	-0.8	-1.3%	
74.1%	61.1	60.5	-0.7	-1.1%	
75.3%	61.1	60.4	-0.7	-1.1%	
76.5%	61.0	60.4	-0.7	-1.1%	
77.8%	61.0	60.4	-0.6	-1.0%	
79.0%	60.9	60.3	-0.6	-1.0%	
80.2%	60.9	60.3	-0.6	-1.0%	
81.5%	60.9	60.2	-0.6	-1.0%	
82.7%	60.8	60.2	-0.6	-1.0%	
84.0%	60.5	59.9	-0.6	-1.0%	
85.2%	60.1	59.8	-0.3	-0.5%	
86.4%	60.0	59.8	-0.2	-0.4%	
87.7%	59.9	59.5	-0.4	-0.6%	
88.9%	59.6	59.3	-0.4	-0.7%	
90.1%	59.6	59.1	-0.6	-0.9%	
91.4%	59.6	58.9	-0.7	-1.2%	
92.6%	59.6	58.9	-0.7	-1.2%	
93.8%	59.6	58.7	-0.9	-1.5%	
95.1%	58.9	58.6	-0.3	-0.6%	
96.3%	58.9	58.1	-0.8	-1.3%	
97.5%	58.8	58.0	-0.8	-1.3%	
98.8%	58.8	57.9	-0.9	-1.5%	
100.0%	58.6	57.8	-0.8	-1.4%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	68.8	68.5	-0.3	-0.4%	
1.2%	68.6	66.5	-2.1	-3.1%	
2.5%	67.8	66.5	-1.3	-1.9%	
3.7%	67.6	66.2	-1.4	-2.1%	
4.9%	67.3	66.0	-1.2	-1.8%	
6.2%	67.2	65.9	-1.4	-2.0%	
7.4%	67.1	65.7	-1.4	-2.1%	
8.6%	67.0	65.4	-1.5	-2.3%	
9.9%	66.8	65.4	-1.4	-2.0%	
11.1%	66.8	65.4	-1.4	-2.0%	
12.3%	66.7	65.3	-1.3	-2.0%	
13.6%	66.6	65.0	-1.7	-2.5%	
14.8%	66.6	64.8	-1.8	-2.6%	
16.0%	66.5	64.7	-1.8	-2.7%	
17.3%	66.4	64.7	-1.7	-2.6%	
18.5%	66.2	64.5	-1.8	-2.7%	
19.8%	65.9	64.4	-1.4	-2.2%	
21.0%	65.7	64.2	-1.5	-2.3%	
22.2%	65.3	64.1	-1.2	-1.8%	
23.5%	65.0	63.9	-1.2	-1.8%	
24.7%	65.0	63.8	-1.2	-1.9%	
25.9%	64.9	63.7	-1.2	-1.8%	
27.2%	64.6	63.5	-1.0	-1.5%	
28.4%	64.4	63.5	-0.9	-1.4%	
29.6%	64.4	63.5	-0.9	-1.3%	
30.9%	64.3	63.4	-0.9	-1.4%	
32.1%	64.3	63.4	-0.9	-1.4%	
33.3%	64.2	63.3	-0.9	-1.4%	
34.6%	64.1	63.1	-1.0	-1.6%	
35.8%	64.1	62.9	-1.2	-1.8%	
37.0%	64.0	62.9	-1.2	-1.8%	
38.3%	64.0	62.9	-1.1	-1.7%	
39.5%	63.7	62.6	-1.1	-1.7%	
40.7%	63.6	62.6	-1.1	-1.7%	
42.0%	63.6	62.5	-1.1	-1.8%	
43.2%	63.6	62.4	-1.2	-1.8%	
44.4%	63.6	62.2	-1.3	-2.1%	
45.7%	63.6	62.2	-1.4	-2.1%	
46.9%	63.2	62.1	-1.1	-1.8%	
48.1%	63.2	62.1	-1.1	-1.7%	
49.4%	63.2	62.1	-1.1	-1.7%	
50.6%	63.1	62.0	-1.1	-1.7%	
51.9%	63.0	62.0	-1.0	-1.6%	
53.1%	62.9	62.0	-1.0	-1.5%	
54.3%	62.9	61.8	-1.1	-1.8%	
55.6%	62.9	61.8	-1.1	-1.8%	
56.8%	62.9	61.8	-1.1	-1.8%	
58.0%	62.8	61.7	-1.1	-1.8%	
59.3%	62.8	61.6	-1.3	-2.0%	
60.5%	62.8	61.6	-1.2	-1.9%	
61.7%	62.7	61.5	-1.2	-2.0%	
63.0%	62.4	61.5	-0.9	-1.4%	
64.2%	62.4	61.3	-1.1	-1.7%	
65.4%	62.3	61.2	-1.2	-1.9%	
66.7%	62.2	61.1	-1.1	-1.7%	
67.9%	62.2	61.0	-1.1	-1.8%	
69.1%	62.1	61.0	-1.1	-1.8%	
70.4%	62.1	61.0	-1.1	-1.8%	
71.6%	62.0	61.0	-1.0	-1.7%	
72.8%	61.9	61.0	-1.0	-1.5%	
74.1%	61.8	61.0	-0.9	-1.4%	
75.3%	61.7	60.8	-0.9	-1.4%	
76.5%	61.6	60.8	-0.8	-1.3%	
77.8%	61.6	60.8	-0.8	-1.3%	
79.0%	61.6	60.8	-0.8	-1.3%	
80.2%	61.4	60.7	-0.7	-1.2%	
81.5%	61.4	60.7	-0.7	-1.1%	
82.7%	61.3	60.6	-0.6	-1.0%	
84.0%	61.0	60.5	-0.5	-0.7%	
85.2%	60.7	60.5	-0.2	-0.4%	
86.4%	60.6	60.5	-0.1	-0.2%	
87.7%	60.4	60.0	-0.5	-0.8%	
88.9%	60.2	59.9	-0.3	-0.5%	
90.1%	60.2	59.6	-0.5	-0.9%	
91.4%	60.1	59.5	-0.6	-1.0%	
92.6%	60.1	59.1	-0.9	-1.6%	
93.8%	60.0	59.0	-1.0	-1.7%	
95.1%	59.9	58.8	-1.1	-1.8%	
96.3%	59.8	58.8	-1.0	-1.7%	
97.5%	59.7	58.7	-1.0	-1.7%	
98.8%	59.6	58.6	-1.0	-1.8%	
100.0%	59.5	58.4	-1.0	-1.7%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	68.6	67.9	-0.7	-1.0%	
1.2%	68.1	66.4	-1.7	-2.5%	
2.5%	68.1	66.3	-1.7	-2.6%	
3.7%	67.6	66.0	-1.6	-2.3%	
4.9%	67.2	65.9	-1.3	-2.0%	
6.2%	67.1	65.8	-1.2	-1.9%	
7.4%	66.9	65.7	-1.2	-1.8%	
8.6%	66.9	65.6	-1.3	-1.9%	
9.9%	66.9	65.3	-1.5	-2.3%	
11.1%	66.8	65.3	-1.5	-2.3%	
12.3%	66.6	65.2	-1.3	-2.0%	
13.6%	66.3	65.2	-1.2	-1.7%	
14.8%	66.2	65.0	-1.2	-1.8%	
16.0%	66.2	65.0	-1.2	-1.9%	
17.3%	66.2	64.9	-1.2	-1.9%	
18.5%	66.2	64.8	-1.4	-2.1%	
19.8%	65.9	64.8	-1.2	-1.7%	
21.0%	65.8	64.4	-1.4	-2.1%	
22.2%	65.5	64.2	-1.3	-2.0%	
23.5%	65.5	64.2	-1.3	-2.0%	
24.7%	65.5	64.2	-1.3	-2.0%	
25.9%	65.3	64.1	-1.1	-1.7%	
27.2%	65.1	64.1	-1.0	-1.6%	
28.4%	64.8	64.0	-0.8	-1.2%	
29.6%	64.7	63.9	-0.8	-1.2%	
30.9%	64.6	63.7	-0.9	-1.5%	
32.1%	64.6	63.5	-1.0	-1.6%	
33.3%	64.5	63.5	-1.0	-1.6%	
34.6%	64.5	63.4	-1.1	-1.7%	
35.8%	64.5	63.4	-1.1	-1.8%	
37.0%	64.2	63.3	-0.9	-1.4%	
38.3%	63.8	63.1	-0.7	-1.1%	
39.5%	63.7	63.0	-0.7	-1.1%	
40.7%	63.7	62.7	-1.0	-1.5%	
42.0%	63.6	62.5	-1.1	-1.7%	
43.2%	63.6	62.5	-1.1	-1.7%	
44.4%	63.5	62.4	-1.0	-1.7%	
45.7%	63.4	62.4	-1.0	-1.6%	
46.9%	63.3	62.2	-1.1	-1.7%	
48.1%	63.2	62.2	-1.0	-1.6%	
49.4%	63.2	62.2	-1.0	-1.6%	
50.6%	63.1	62.1	-1.0	-1.6%	
51.9%	63.1	62.1	-1.0	-1.7%	
53.1%	63.0	62.0	-1.0	-1.6%	
54.3%	63.0	61.8	-1.2	-1.9%	
55.6%	62.9	61.8	-1.1	-1.8%	
56.8%	62.9	61.7	-1.2	-1.9%	
58.0%	62.8	61.7	-1.2	-1.8%	
59.3%	62.8	61.6	-1.2	-1.9%	
60.5%	62.8	61.6	-1.2	-1.9%	
61.7%	62.5	61.6	-0.9	-1.5%	
63.0%	62.4	61.5	-0.9	-1.5%	
64.2%	62.2	61.5	-0.8	-1.2%	
65.4%	62.0	61.4	-0.7	-1.1%	
66.7%	62.0	61.3	-0.8	-1.2%	
67.9%	61.9	61.1	-0.8	-1.4%	
69.1%	61.8	61.0	-0.8	-1.2%	
70.4%	61.7	60.9	-0.8	-1.3%	
71.6%	61.7	60.9	-0.8	-1.3%	
72.8%	61.6	60.9	-0.7	-1.2%	
74.1%	61.4	60.8	-0.6	-1.0%	
75.3%	61.4	60.8	-0.6	-1.0%	
76.5%	61.4	60.8	-0.6	-1.0%	
77.8%					

Table SQ10-1a  
American River at Watt Avenue, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	60.3	55.0	50.1	46.4	47.4	51.3	56.5	61.0	64.9	66.9	67.1	66.1
DCR 2015 With Project	60.4	55.8	50.5	46.5	47.4	51.3	56.4	61.0	64.6	66.1	65.8	65.5
Difference	0.1	0.8	0.4	0.1	0.1	-0.1	-0.1	0.0	-0.2	-0.8	-1.3	-0.5
Percent Difference <sup>3</sup>	0.1%	1.4%	0.8%	0.3%	0.1%	-0.1%	-0.2%	0.0%	-0.4%	-1.2%	-1.9%	-0.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	58.7	55.1	50.6	45.5	46.2	49.3	53.7	57.8	61.5	65.0	64.1	63.2
DCR 2015 With Project	59.5	55.9	50.9	45.5	46.2	49.3	53.7	57.8	61.4	64.0	63.2	63.3
Difference	0.8	0.9	0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-1.0	-0.9	0.1
Percent Difference	1.4%	1.6%	0.7%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%	-1.6%	-1.4%	0.2%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	59.7	54.7	50.5	46.4	47.0	50.0	55.6	60.0	64.1	65.8	65.9	64.8
DCR 2015 With Project	59.2	55.4	51.1	46.7	47.1	50.0	55.5	59.9	64.1	64.9	65.1	64.3
Difference	-0.5	0.7	0.6	0.2	0.1	0.0	-0.1	-0.1	0.0	-1.0	-0.8	-0.6
Percent Difference	-0.9%	1.3%	1.1%	0.5%	0.3%	0.1%	-0.2%	-0.1%	0.0%	-1.5%	-1.2%	-0.9%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	59.6	54.8	50.1	46.5	46.9	51.2	56.8	60.8	65.2	65.9	67.3	66.5
DCR 2015 With Project	59.1	55.6	50.6	46.6	46.9	51.2	56.6	60.7	64.5	65.1	65.7	65.6
Difference	-0.5	0.8	0.4	0.0	0.0	-0.1	-0.2	-0.1	-0.7	-0.8	-1.5	-1.0
Percent Difference	-0.8%	1.5%	0.9%	0.0%	-0.1%	-0.1%	-0.3%	-0.2%	-1.1%	-1.2%	-2.3%	-1.4%
<b>Dry (22%)</b>												
DCR 2015 Without Project	61.4	55.1	49.6	46.7	48.0	52.7	58.2	63.4	67.0	67.6	68.5	67.9
DCR 2015 With Project	61.3	55.9	50.0	47.0	48.2	52.6	58.2	63.6	66.8	67.2	67.1	67.2
Difference	-0.1	0.8	0.4	0.3	0.1	-0.1	-0.1	0.2	-0.2	-0.3	-1.4	-0.7
Percent Difference	-0.1%	1.5%	0.8%	0.6%	0.3%	-0.1%	-0.1%	0.3%	-0.4%	-0.5%	-2.0%	-1.0%
<b>Critical (15%)</b>												
DCR 2015 Without Project	63.6	55.5	49.2	47.4	50.0	55.1	60.6	65.3	69.3	72.3	72.2	70.2
DCR 2015 With Project	63.4	56.0	49.5	47.6	50.1	54.9	60.4	65.4	69.0	71.3	70.2	69.0
Difference	-0.1	0.5	0.3	0.3	0.1	-0.2	-0.1	0.1	-0.3	-1.0	-2.0	-1.3
Percent Difference	-0.2%	1.0%	0.6%	0.5%	0.2%	-0.3%	-0.2%	0.1%	-0.4%	-1.4%	-2.8%	-1.8%

<sup>1</sup> Based on the 82-year simulation period

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

<sup>3</sup> Relative difference of the monthly average

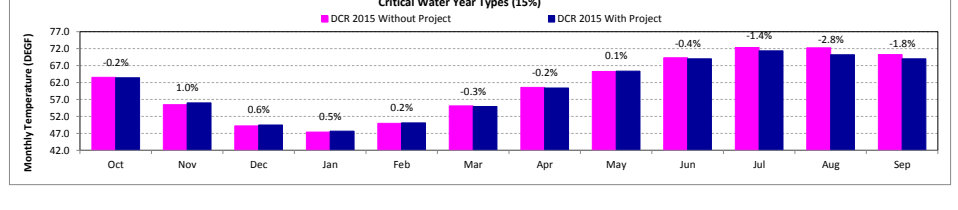
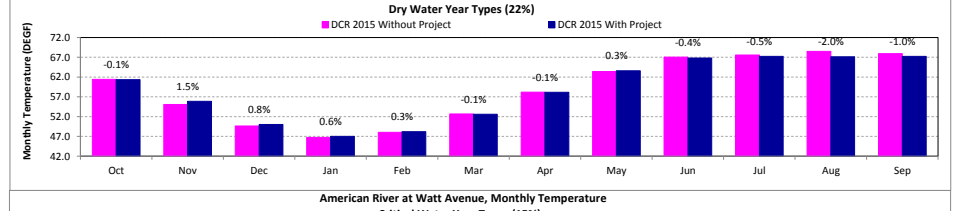
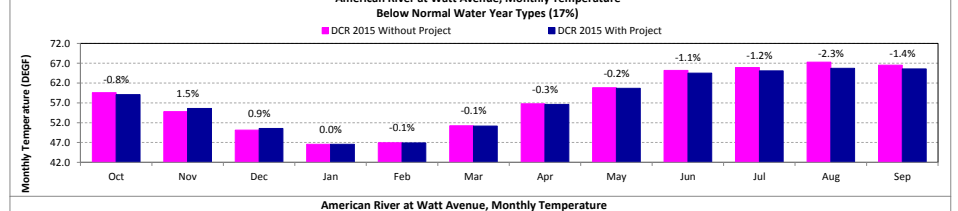
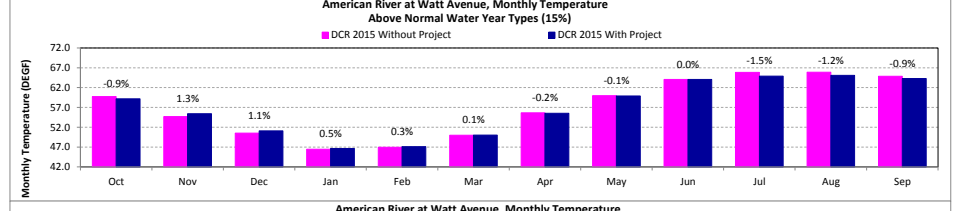
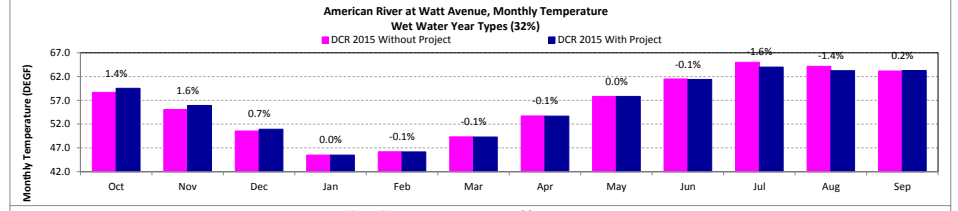
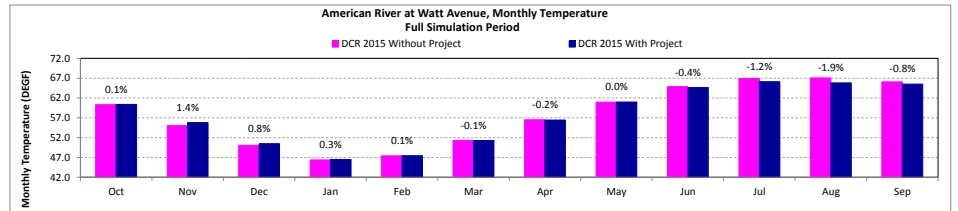




Figure SQ10-1b  
 American River at Watt Avenue, Monthly Temperature  
 Probability of Exceedance

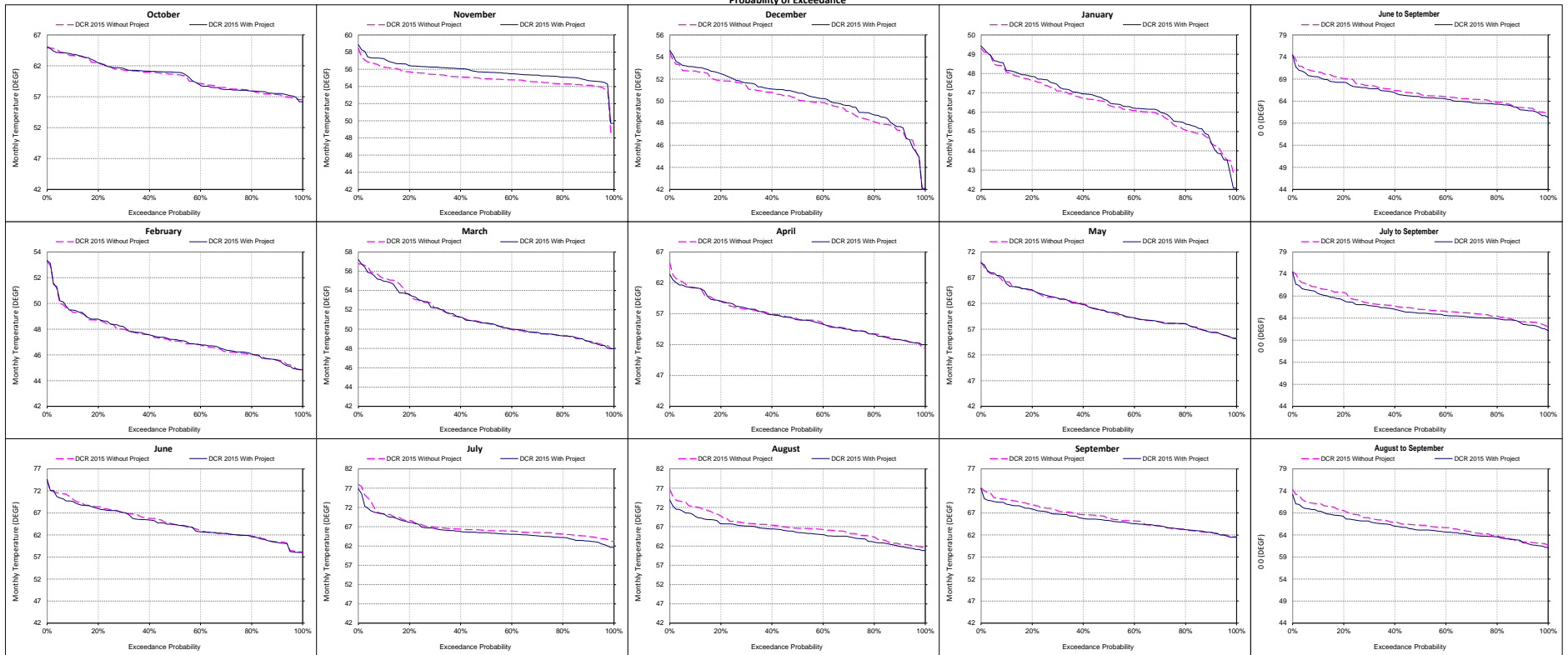


Table SQ10-1b  
American River at Watt Avenue, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	65.1	65.0	-0.2	-0.2%	
1.2%	64.9	64.8	0.0	-0.1%	
2.5%	64.8	64.4	-0.4	-0.6%	
3.7%	64.7	64.2	-0.6	-0.9%	
4.9%	64.2	64.1	-0.1	-0.1%	
6.2%	64.2	64.1	-0.1	-0.1%	
7.4%	64.0	64.1	0.1	0.2%	
8.6%	63.7	64.0	0.3	0.4%	
9.9%	63.7	63.9	0.2	0.3%	
11.1%	63.7	63.8	0.2	0.3%	
12.3%	63.6	63.6	0.0	0.1%	
13.6%	63.5	63.6	0.1	0.1%	
14.8%	63.4	63.3	0.0	0.0%	
16.0%	63.2	63.3	0.1	0.1%	
17.3%	62.6	63.1	0.4	0.7%	
18.5%	62.5	62.8	0.3	0.5%	
19.8%	62.5	62.5	0.0	-0.1%	
21.0%	62.3	62.4	0.1	0.2%	
22.2%	62.3	62.2	-0.1	-0.2%	
23.5%	61.9	61.9	0.0	0.0%	
24.7%	61.9	61.8	-0.1	-0.1%	
25.9%	61.6	61.7	0.1	0.2%	
27.2%	61.4	61.7	0.3	0.5%	
28.4%	61.4	61.7	0.3	0.4%	
29.6%	61.3	61.6	0.3	0.5%	
30.9%	61.3	61.4	0.1	0.2%	
32.1%	61.2	61.3	0.1	0.1%	
33.3%	61.2	61.3	0.1	0.2%	
34.6%	61.2	61.3	0.1	0.2%	
35.8%	61.1	61.2	0.1	0.2%	
37.0%	61.0	61.2	0.2	0.3%	
38.3%	61.0	61.2	0.2	0.3%	
39.5%	61.0	61.1	0.1	0.2%	
40.7%	61.0	61.1	0.2	0.3%	
42.0%	60.9	61.1	0.1	0.2%	
43.2%	60.9	61.1	0.2	0.3%	
44.4%	60.8	61.1	0.2	0.4%	
45.7%	60.8	61.0	0.2	0.4%	
46.9%	60.8	61.0	0.3	0.4%	
48.1%	60.7	61.0	0.3	0.5%	
49.4%	60.7	61.0	0.3	0.6%	
50.6%	60.6	60.9	0.4	0.6%	
51.9%	60.5	60.9	0.4	0.6%	
53.1%	60.4	60.8	0.4	0.7%	
54.3%	60.4	60.5	0.1	0.2%	
55.6%	59.5	60.1	0.6	1.0%	
56.8%	59.5	59.6	0.1	0.1%	
58.0%	59.3	59.4	0.0	0.1%	
59.3%	59.2	59.0	-0.1	-0.2%	
60.5%	59.1	58.7	-0.4	-0.7%	
61.7%	59.1	58.7	-0.4	-0.6%	
63.0%	58.9	58.7	-0.2	-0.3%	
64.2%	58.9	58.5	-0.3	-0.6%	
65.4%	58.8	58.5	-0.3	-0.5%	
66.7%	58.5	58.5	-0.1	-0.1%	
67.9%	58.5	58.3	-0.2	-0.4%	
69.1%	58.5	58.2	-0.3	-0.6%	
70.4%	58.5	58.2	-0.3	-0.5%	
71.6%	58.3	58.2	-0.1	-0.2%	
72.8%	58.2	58.1	-0.2	-0.3%	
74.1%	58.2	58.1	-0.2	-0.3%	
75.3%	58.2	58.1	-0.1	-0.2%	
76.5%	58.2	58.1	-0.1	-0.2%	
77.8%	58.1	58.0	-0.1	-0.1%	
79.0%	58.0	57.9	-0.1	-0.2%	
80.2%	58.0	57.9	0.0	-0.1%	
81.5%	57.8	57.9	0.1	0.3%	
82.7%	57.6	57.9	0.2	0.4%	
84.0%	57.6	57.8	0.2	0.4%	
85.2%	57.5	57.8	0.4	0.6%	
86.4%	57.5	57.6	0.1	0.3%	
87.7%	57.4	57.6	0.2	0.3%	
88.9%	57.4	57.5	0.1	0.3%	
90.1%	57.4	57.5	0.2	0.3%	
91.4%	57.3	57.5	0.2	0.4%	
92.6%	57.0	57.5	0.4	0.8%	
93.8%	57.0	57.3	0.3	0.6%	
95.1%	56.9	57.2	0.3	0.5%	
96.3%	56.8	57.1	0.3	0.5%	
97.5%	56.6	56.8	0.2	0.3%	
98.8%	56.5	56.2	-0.4	-0.6%	
100.0%	56.5	56.2	-0.4	-0.6%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.4	58.9	0.4	0.7%	
1.2%	57.4	58.3	0.8	1.5%	
2.5%	57.1	58.1	1.0	1.8%	
3.7%	56.9	57.4	0.6	1.0%	
4.9%	56.8	57.3	0.6	1.0%	
6.2%	56.7	57.3	0.6	1.1%	
7.4%	56.6	57.3	0.7	1.3%	
8.6%	56.4	57.3	0.9	1.6%	
9.9%	56.3	57.2	1.0	1.7%	
11.1%	56.2	57.0	0.8	1.5%	
12.3%	56.2	56.9	0.7	1.3%	
13.6%	56.1	56.8	0.7	1.2%	
14.8%	56.1	56.7	0.6	1.0%	
16.0%	56.0	56.7	0.7	1.2%	
17.3%	55.8	56.6	0.8	1.5%	
18.5%	55.7	56.6	0.9	1.6%	
19.8%	55.7	56.4	0.7	1.3%	
21.0%	55.7	56.4	0.7	1.3%	
22.2%	55.6	56.4	0.7	1.3%	
23.5%	55.6	56.4	0.8	1.4%	
24.7%	55.6	56.3	0.8	1.4%	
25.9%	55.6	56.3	0.7	1.3%	
27.2%	55.4	56.3	0.8	1.5%	
28.4%	55.4	56.3	0.9	1.5%	
29.6%	55.4	56.3	0.9	1.5%	
30.9%	55.4	56.3	0.9	1.6%	
32.1%	55.4	56.2	0.8	1.5%	
33.3%	55.3	56.2	0.9	1.5%	
34.6%	55.3	56.2	0.9	1.6%	
35.8%	55.2	56.1	1.0	1.7%	
37.0%	55.2	56.1	1.0	1.7%	
38.3%	55.1	56.1	1.0	1.7%	
39.5%	55.1	56.1	1.0	1.8%	
40.7%	55.1	56.1	1.0	1.7%	
42.0%	55.1	56.0	0.9	1.7%	
43.2%	55.1	55.9	0.9	1.6%	
44.4%	55.0	55.8	0.8	1.4%	
45.7%	55.0	55.8	0.7	1.4%	
46.9%	55.0	55.7	0.7	1.3%	
48.1%	54.9	55.7	0.8	1.5%	
49.4%	54.9	55.7	0.8	1.4%	
50.6%	54.9	55.7	0.8	1.4%	
51.9%	54.9	55.6	0.8	1.4%	
53.1%	54.9	55.6	0.8	1.4%	
54.3%	54.8	55.6	0.8	1.4%	
55.6%	54.8	55.6	0.8	1.4%	
56.8%	54.8	55.6	0.8	1.4%	
58.0%	54.8	55.5	0.8	1.4%	
59.3%	54.8	55.5	0.7	1.3%	
60.5%	54.8	55.5	0.7	1.3%	
61.7%	54.8	55.4	0.7	1.3%	
63.0%	54.7	55.4	0.7	1.2%	
64.2%	54.7	55.4	0.6	1.2%	
65.4%	54.6	55.4	0.7	1.3%	
66.7%	54.6	55.3	0.7	1.4%	
67.9%	54.6	55.3	0.8	1.4%	
69.1%	54.6	55.3	0.8	1.4%	
70.4%	54.5	55.3	0.8	1.4%	
71.6%	54.5	55.2	0.7	1.3%	
72.8%	54.4	55.2	0.8	1.4%	
74.1%	54.4	55.2	0.8	1.4%	
75.3%	54.4	55.2	0.8	1.5%	
76.5%	54.3	55.2	0.9	1.6%	
77.8%	54.3	55.2	0.8	1.6%	
79.0%	54.3	55.1	0.8	1.5%	
80.2%	54.3	55.1	0.8	1.4%	
81.5%	54.3	55.1	0.8	1.4%	
82.7%	54.3	55.0	0.8	1.4%	
84.0%	54.3	55.0	0.8	1.4%	
85.2%	54.2	55.0	0.8	1.5%	
86.4%	54.2	55.0	0.7	1.4%	
87.7%	54.2	54.9	0.7	1.3%	
88.9%	54.1	54.8	0.6	1.1%	
90.1%	54.1	54.7	0.5	1.0%	
91.4%	54.1	54.6	0.5	0.9%	
92.6%	54.0	54.6	0.6	1.1%	
93.8%	54.0	54.6	0.6	1.1%	
95.1%	53.9	54.6	0.6	1.1%	
96.3%	53.7	54.4	0.7	1.4%	
97.5%	53.5	54.3	0.8	1.5%	
98.8%	48.6	49.7	1.0	2.2%	
100.0%	48.6	49.7	1.0	2.2%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.5	54.6	0.1	0.3%	
1.2%	53.7	54.2	0.5	0.9%	
2.5%	53.3	53.6	0.3	0.5%	
3.7%	53.3	53.5	0.1	0.2%	
4.9%	52.8	53.3	0.4	0.8%	
6.2%	52.8	53.2	0.5	0.9%	
7.4%	52.7	53.1	0.4	0.8%	
8.6%	52.7	53.1	0.4	0.8%	
9.9%	52.7	53.1	0.4	0.7%	
11.1%	52.7	53.1	0.4	0.7%	
12.3%	52.6	53.0	0.4	0.7%	
13.6%	52.6	52.9	0.3	0.7%	
14.8%	52.5	52.9	0.3	0.7%	
16.0%	52.1	52.7	0.6	1.2%	
17.3%	52.0	52.7	0.7	1.3%	
18.5%	51.9	52.6	0.7	1.3%	
19.8%	51.9	52.5	0.6	1.2%	
21.0%	51.8	52.4	0.6	1.1%	
22.2%	51.8	52.3	0.5	0.9%	
23.5%	51.8	52.2	0.3	0.7%	
24.7%	51.7	52.0	0.3	0.6%	
25.9%	51.7	51.9	0.2	0.3%	
27.2%	51.7	51.9	0.2	0.3%	
28.4%	51.6	51.7	0.1	0.3%	
29.6%	51.5	51.7	0.1	0.3%	
30.9%	51.1	51.6	0.5	1.1%	
32.1%	51.1	51.6	0.6	1.1%	
33.3%	51.0	51.6	0.5	1.0%	
34.6%	51.0	51.3	0.3	0.7%	
35.8%	50.9	51.3	0.4	0.7%	
37.0%	50.8	51.2	0.3	0.7%	
38.3%	50.8	51.2	0.3	0.7%	
39.5%	50.8	51.1	0.3	0.6%	
40.7%	50.8	51.1	0.3	0.6%	
42.0%	50.6	51.1	0.4	0.9%	
43.2%	50.6	51.1	0.4	0.9%	
44.4%	50.5	51.0	0.5	1.0%	
45.7%	50.5	51.0	0.5	0.9%	
46.9%	50.5	50.9	0.5	0.9%	
48.1%	50.4	50.9	0.5	1.1%	
49.4%	50.3	50.8	0.5	1.0%	
50.6%	50.1	50.7	0.7	1.3%	
51.9%	50.0	50.7	0.7	1.3%	
53.1%	50.0	50.6	0.6	1.1%	
54.3%	50.0	50.5	0.5	0.9%	
55.6%	49.9	50.4	0.5	0.9%	
56.8%	49.9	50.4	0.4	0.9%	
58.0%	49.8	50.3	0.4	0.8%	
59.3%	49.9	50.2	0.4	0.7%	
60.5%	49.8	50.2	0.4	0.7%	
61.7%	49.7	50.1	0.4	0.8%	
63.0%	49.7	50.0	0.2	0.5%	
64.2%	49.6	49.9	0.3	0.6%	
65.4%	49.5	49.8	0.3	0.6%	
66.7%	49.4	49.8	0.4	0.8%	
67.9%	49.4	49.6	0.3	0.5%	
69.1%	49.3	49.6	0.5	1.0%	
70.4%	49.1	49.6	0.6	1.1%	
71.6%	48.9	49.5	0.6	1.2%	
72.8%	48.7	49.4	0.8	1.6%	
74.1%	48.5	49.0	0.4	0.9%	
75.3%	48.5	49.0	0.5	1.1%	
76.5%	48.4	48.9	0.6	1.2%	
77.8%	48.3	48.9	0.6	1.3%	
79.0%	48.2	48.8	0.6		

Table SQ10-1b  
American River at Watt Avenue, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.2	53.2	0.1	0.2%	
1.2%	52.9	53.1	0.2	0.4%	
2.5%	51.6	51.5	-0.1	-0.2%	
3.7%	51.2	51.3	0.1	0.3%	
4.9%	50.0	50.2	0.2	0.4%	
6.2%	49.9	50.1	0.2	0.4%	
7.4%	49.7	49.8	0.1	0.3%	
8.6%	49.5	49.5	-0.1	-0.1%	
9.9%	49.3	49.5	0.2	0.3%	
11.1%	49.3	49.4	0.2	0.3%	
12.3%	49.3	49.3	0.1	0.1%	
13.6%	49.2	49.3	0.1	0.2%	
14.8%	49.1	49.1	0.0	0.0%	
16.0%	48.7	48.9	0.2	0.3%	
17.3%	48.7	48.8	0.1	0.1%	
18.5%	48.7	48.8	0.1	0.1%	
19.8%	48.7	48.8	0.1	0.1%	
21.0%	48.6	48.7	0.1	0.1%	
22.2%	48.5	48.6	0.1	0.2%	
23.5%	48.4	48.6	0.2	0.4%	
24.7%	48.4	48.4	0.0	0.1%	
25.9%	48.4	48.4	0.0	0.0%	
27.2%	48.0	48.3	0.3	0.6%	
28.4%	48.0	48.2	0.2	0.5%	
29.6%	48.0	48.2	0.2	0.5%	
30.9%	47.9	48.0	0.1	0.2%	
32.1%	47.8	47.8	0.0	0.0%	
33.3%	47.8	47.8	0.0	0.1%	
34.6%	47.7	47.8	0.1	0.1%	
35.8%	47.7	47.7	0.1	0.2%	
37.0%	47.6	47.7	0.1	0.2%	
38.3%	47.6	47.6	0.0	0.1%	
39.5%	47.6	47.6	0.0	0.0%	
40.7%	47.6	47.5	0.0	-0.1%	
42.0%	47.3	47.5	0.1	0.2%	
43.2%	47.3	47.4	0.1	0.1%	
44.4%	47.3	47.4	0.1	0.2%	
45.7%	47.3	47.4	0.1	0.2%	
46.9%	47.2	47.3	0.0	0.1%	
48.1%	47.1	47.2	0.1	0.2%	
49.4%	47.1	47.2	0.1	0.3%	
50.6%	47.1	47.2	0.1	0.2%	
51.9%	47.1	47.1	0.1	0.1%	
53.1%	47.0	47.1	0.1	0.3%	
54.3%	46.9	47.0	0.2	0.3%	
55.6%	46.9	46.9	0.0	0.0%	
56.8%	46.9	46.9	0.0	0.0%	
58.0%	46.9	46.8	0.0	-0.1%	
59.3%	46.8	46.8	0.0	0.0%	
60.5%	46.7	46.8	0.0	0.1%	
61.7%	46.7	46.8	0.1	0.1%	
63.0%	46.6	46.7	0.1	0.2%	
64.2%	46.6	46.7	0.1	0.3%	
65.4%	46.6	46.7	0.1	0.3%	
66.7%	46.5	46.6	0.1	0.3%	
67.9%	46.4	46.5	0.0	0.1%	
69.1%	46.3	46.4	0.2	0.4%	
70.4%	46.3	46.4	0.1	0.2%	
71.6%	46.2	46.3	0.1	0.2%	
72.8%	46.2	46.3	0.1	0.2%	
74.1%	46.2	46.2	0.1	0.1%	
75.3%	46.2	46.2	0.1	0.2%	
76.5%	46.1	46.2	0.1	0.2%	
77.8%	46.1	46.2	0.1	0.2%	
79.0%	46.0	46.2	0.1	0.3%	
80.2%	46.0	46.0	0.0	0.0%	
81.5%	46.0	46.0	0.0	0.0%	
82.7%	45.9	46.0	0.1	0.1%	
84.0%	45.9	45.7	-0.2	-0.4%	
85.2%	45.7	45.7	0.0	0.0%	
86.4%	45.7	45.7	0.0	0.0%	
87.7%	45.7	45.7	0.0	0.0%	
88.9%	45.6	45.7	0.0	0.1%	
90.1%	45.6	45.6	0.0	-0.1%	
91.4%	45.6	45.5	-0.1	-0.2%	
92.6%	45.5	45.3	-0.2	-0.4%	
93.8%	45.3	45.2	-0.1	-0.2%	
95.1%	45.2	45.1	-0.1	-0.3%	
96.3%	45.2	44.9	-0.2	-0.5%	
97.5%	44.9	44.9	0.0	0.0%	
98.8%	44.9	44.8	0.0	-0.1%	
100.0%	44.9	44.8	0.0	-0.1%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.8	57.2	0.4	0.8%	
1.2%	56.7	56.7	0.0	0.0%	
2.5%	56.6	56.4	-0.2	-0.3%	
3.7%	56.4	55.9	-0.6	-1.0%	
4.9%	55.9	55.8	-0.1	-0.1%	
6.2%	55.8	55.5	-0.3	-0.5%	
7.4%	55.7	55.2	-0.5	-0.9%	
8.6%	55.4	55.1	-0.3	-0.5%	
9.9%	55.2	55.0	-0.3	-0.5%	
11.1%	55.2	54.9	-0.3	-0.5%	
12.3%	55.1	54.8	-0.3	-0.5%	
13.6%	55.1	54.7	-0.4	-0.7%	
14.8%	54.9	54.2	-0.7	-1.3%	
16.0%	54.7	53.8	-0.9	-1.7%	
17.3%	54.3	53.8	-0.6	-1.1%	
18.5%	53.7	53.7	0.0	-0.1%	
19.8%	53.6	53.6	0.0	0.1%	
21.0%	53.2	53.4	0.2	0.4%	
22.2%	53.1	53.3	0.3	0.5%	
23.5%	53.0	53.1	0.0	0.1%	
24.7%	52.8	52.9	0.1	0.3%	
25.9%	52.8	52.9	0.1	0.2%	
27.2%	52.7	52.8	0.1	0.2%	
28.4%	52.7	52.2	-0.5	-0.9%	
29.6%	52.2	52.2	0.0	0.0%	
30.9%	52.2	52.2	0.0	0.0%	
32.1%	52.0	52.0	0.0	0.0%	
33.3%	51.8	52.0	0.2	0.3%	
34.6%	51.7	51.7	0.0	-0.1%	
35.8%	51.6	51.6	0.0	0.0%	
37.0%	51.4	51.6	0.2	0.5%	
38.3%	51.3	51.3	0.0	0.0%	
39.5%	51.3	51.3	0.0	0.0%	
40.7%	51.1	51.2	0.1	0.2%	
42.0%	51.0	50.9	-0.1	-0.3%	
43.2%	50.9	50.9	0.0	0.0%	
44.4%	50.9	50.9	0.0	-0.1%	
45.7%	50.9	50.8	0.0	-0.1%	
46.9%	50.8	50.7	-0.1	-0.1%	
48.1%	50.7	50.6	-0.1	-0.1%	
49.4%	50.7	50.6	0.0	-0.1%	
50.6%	50.6	50.6	0.0	0.0%	
51.9%	50.5	50.6	0.1	0.1%	
53.1%	50.5	50.5	0.0	0.0%	
54.3%	50.3	50.4	0.0	0.1%	
55.6%	50.3	50.3	0.0	0.0%	
56.8%	50.3	50.1	-0.1	-0.3%	
58.0%	50.1	50.1	0.0	0.0%	
59.3%	50.1	50.0	-0.1	-0.2%	
60.5%	49.9	50.0	0.1	0.1%	
61.7%	49.9	50.0	0.1	0.1%	
63.0%	49.9	50.0	0.1	0.1%	
64.2%	49.8	49.9	0.1	0.2%	
65.4%	49.7	49.8	0.1	0.3%	
66.7%	49.7	49.7	0.0	0.0%	
67.9%	49.7	49.7	0.0	0.1%	
69.1%	49.7	49.7	0.0	0.0%	
70.4%	49.6	49.7	0.0	0.0%	
71.6%	49.5	49.5	0.0	0.0%	
72.8%	49.5	49.5	0.0	0.0%	
74.1%	49.5	49.5	0.0	0.0%	
75.3%	49.5	49.5	0.0	0.1%	
76.5%	49.4	49.4	0.0	0.0%	
77.8%	49.4	49.4	0.0	0.0%	
79.0%	49.3	49.3	0.0	0.0%	
80.2%	49.3	49.3	0.0	0.0%	
81.5%	49.3	49.3	0.0	0.0%	
82.7%	49.2	49.3	0.0	0.0%	
84.0%	49.2	49.2	0.0	0.0%	
85.2%	49.1	49.0	-0.1	-0.2%	
86.4%	49.0	49.0	0.0	0.0%	
87.7%	49.0	49.0	0.0	0.0%	
88.9%	48.9	48.8	0.0	0.0%	
90.1%	48.7	48.7	0.0	0.0%	
91.4%	48.7	48.6	-0.1	-0.3%	
92.6%	48.6	48.5	-0.1	-0.1%	
93.8%	48.5	48.4	-0.1	-0.2%	
95.1%	48.4	48.3	-0.1	-0.3%	
96.3%	48.3	48.3	0.0	0.0%	
97.5%	48.3	48.0	-0.3	-0.5%	
98.8%	48.0	48.0	0.0	0.0%	
100.0%	48.0	48.0	0.0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	65.3	63.4	-1.9	-2.9%	
1.2%	63.3	62.5	-0.8	-1.3%	
2.5%	62.7	62.6	-0.6	-1.0%	
3.7%	62.4	61.7	-0.7	-1.1%	
4.9%	62.2	61.7	-0.5	-0.9%	
6.2%	61.8	61.4	-0.4	-0.6%	
7.4%	61.3	61.3	0.0	0.0%	
8.6%	61.3	61.2	-0.1	-0.1%	
9.9%	61.2	61.2	0.0	-0.1%	
11.1%	61.1	61.1	0.0	0.0%	
12.3%	60.9	61.0	0.1	0.1%	
13.6%	60.0	60.7	0.7	1.1%	
14.8%	59.9	59.8	-0.2	-0.3%	
16.0%	59.7	59.3	-0.4	-0.7%	
17.3%	59.3	59.2	-0.1	-0.2%	
18.5%	59.1	59.2	0.1	0.2%	
19.8%	59.0	59.0	0.0	0.0%	
21.0%	59.0	58.8	-0.2	-0.3%	
22.2%	58.8	58.8	0.0	0.0%	
23.5%	58.3	58.7	0.5	0.8%	
24.7%	58.2	58.6	0.4	0.7%	
25.9%	58.0	58.2	0.2	0.3%	
27.2%	57.9	57.2	-0.7	-1.2%	
28.4%	57.8	58.1	0.3	0.4%	
29.6%	57.7	57.9	0.2	0.4%	
30.9%	57.7	57.8	0.0	0.0%	
32.1%	57.7	57.7	0.1	0.1%	
33.3%	57.5	57.7	0.2	0.3%	
34.6%	57.5	57.4	-0.1	-0.2%	
35.8%	57.4	57.3	0.0	0.0%	
37.0%	57.3	57.2	-0.1	-0.2%	
38.3%	57.1	56.9	-0.2	-0.4%	
39.5%	56.9	56.8	-0.1	-0.1%	
40.7%	56.9	56.8	-0.1	-0.2%	
42.0%	56.8	56.7	-0.1	-0.2%	
43.2%	56.8	56.6	-0.1	-0.2%	
44.4%	56.7	56.5	-0.2	-0.4%	
45.7%	56.5	56.5	0.0	0.0%	
46.9%	56.5	56.4	-0.1	-0.1%	
48.1%	56.4	56.3	-0.1	-0.2%	
49.4%	56.3	56.0	-0.2	-0.4%	
50.6%	56.0	56.0	-0.1	-0.1%	
51.9%	56.0	56.0	0.0	-0.1%	
53.1%	56.0	56.0	0.0	0.0%	
54.3%	56.0	55.9	0.0	-0.1%	
55.6%	56.0	55.8	-0.1	-0.2%	
56.8%	55.9	55.7	-0.3	-0.5%	
58.0%	55.8	55.5	-0.3	-0.5%	
59.3%	55.7	55.4	-0.3	-0.5%	
60.5%	55.2	55.2	0.0	0.0%	
61.7%	55.1	55.1	0.0	0.0%	
63.0%	55.0	54.8	-0.2	-0.3%	
64.2%	54.8	54.8	-0.1	-0.1%	
65.4%	54.8	54.8	0.0	0.0%	
66.7%	54.8	54.8	0.0	0.0%	
67.9%	54.8	54.6	-0.2	-0.3%	
69.1%	54.6	54.5	-0.1	-0.1%	
70.4%	54.5	54.5	0.0	0.0%	
71.6%	54.3	54.3	0.0	0.0%	
72.8%	54.2	54.2	0.0	0.0%	
74.1%	54.2	54.2	0.0	0.0%	
75.3%	54.2	54.2	0.0	-0.1%	
76.5%	54.1	54.1	0.0	0.0%	
77.8%	53.8	53.8	0.0	0.0%	
79.0%	53.8	53.7	0.0		

Table SQ10-1b  
American River at Watt Avenue, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	74.2	74.6	0.5	0.6%	
1.2%	72.0	72.1	0.2	0.2%	
2.5%	71.8	72.1	0.2	0.3%	
3.7%	71.5	70.8	-0.8	-1.1%	
4.9%	71.5	70.4	-1.1	-1.5%	
6.2%	71.4	70.2	-1.1	-1.6%	
7.4%	71.3	69.7	-1.5	-2.1%	
8.6%	70.8	69.7	-1.0	-1.4%	
9.9%	70.2	69.7	-0.5	-0.7%	
11.1%	69.7	69.3	-0.4	-0.6%	
12.3%	69.5	68.9	-0.5	-0.8%	
13.6%	69.3	68.8	-0.5	-0.7%	
14.8%	68.7	68.7	0.0	0.0%	
16.0%	68.7	68.7	0.0	0.1%	
17.3%	68.5	68.5	-0.1	-0.1%	
18.5%	68.5	68.2	-0.3	-0.4%	
19.8%	68.4	68.0	-0.4	-0.5%	
21.0%	68.4	67.8	-0.6	-0.9%	
22.2%	68.0	67.7	-0.2	-0.3%	
23.5%	67.9	67.6	-0.3	-0.5%	
24.7%	67.7	67.6	-0.2	-0.3%	
25.9%	67.7	67.5	-0.2	-0.3%	
27.2%	67.5	67.1	-0.4	-0.6%	
28.4%	67.3	67.0	0.0	0.0%	
29.6%	67.0	67.1	0.1	0.1%	
30.9%	66.9	67.0	0.1	0.2%	
32.1%	66.8	66.5	-0.3	-0.4%	
33.3%	66.8	66.8	-1.0	-1.5%	
34.6%	66.8	66.6	-1.2	-1.8%	
35.8%	66.4	66.6	-0.8	-1.3%	
37.0%	66.1	66.5	-0.6	-0.8%	
38.3%	65.9	66.5	-0.4	-0.7%	
39.5%	65.8	66.5	-0.3	-0.5%	
40.7%	65.8	66.4	-0.4	-0.6%	
42.0%	65.8	66.2	-0.5	-0.8%	
43.2%	65.5	64.8	-0.7	-1.1%	
44.4%	65.4	64.7	-0.7	-1.1%	
45.7%	65.0	64.7	-0.4	-0.6%	
46.9%	64.8	64.5	-0.3	-0.4%	
48.1%	64.7	64.4	-0.2	-0.3%	
49.4%	64.5	64.4	-0.1	-0.2%	
50.6%	64.3	64.3	0.0	0.1%	
51.9%	64.2	64.2	0.0	0.0%	
53.1%	64.1	64.1	0.1	0.1%	
54.3%	63.9	64.0	0.1	0.2%	
55.6%	63.8	63.9	0.1	0.1%	
56.8%	63.6	63.8	0.1	0.2%	
58.0%	63.4	63.9	-0.5	-0.8%	
59.3%	63.2	62.7	-0.4	-0.7%	
60.5%	62.9	62.7	-0.2	-0.3%	
61.7%	62.8	62.7	-0.1	-0.2%	
63.0%	62.6	62.6	0.0	0.1%	
64.2%	62.5	62.6	0.0	0.1%	
65.4%	62.5	62.5	0.0	0.0%	
66.7%	62.4	62.4	0.0	0.0%	
67.9%	62.4	62.4	0.0	0.0%	
69.1%	62.3	62.3	0.0	0.0%	
70.4%	62.3	62.3	0.0	0.0%	
71.6%	62.1	62.2	0.0	0.0%	
72.8%	62.1	62.1	0.0	0.0%	
74.1%	62.0	62.0	0.0	-0.1%	
75.3%	62.0	62.0	0.0	0.0%	
76.5%	61.9	61.9	0.0	0.0%	
77.8%	61.9	61.9	0.0	0.0%	
79.0%	61.9	61.9	0.0	0.0%	
80.2%	61.8	61.6	-0.2	-0.3%	
81.5%	61.6	61.5	0.0	0.0%	
82.7%	61.5	61.2	-0.3	-0.5%	
84.0%	61.2	61.1	-0.2	-0.3%	
85.2%	61.1	61.0	-0.1	-0.2%	
86.4%	60.7	60.7	0.0	0.0%	
87.7%	60.6	60.5	-0.1	-0.1%	
88.9%	60.5	60.4	-0.1	-0.2%	
90.1%	60.5	60.3	-0.2	-0.3%	
91.4%	60.4	60.2	-0.2	-0.4%	
92.6%	60.4	60.1	-0.3	-0.4%	
93.8%	60.1	60.1	0.0	0.0%	
95.1%	58.5	58.2	-0.2	-0.4%	
96.3%	58.4	58.2	-0.2	-0.4%	
97.5%	58.2	58.1	-0.1	-0.3%	
98.8%	58.2	58.0	-0.1	-0.2%	
100.0%	58.2	58.0	-0.1	-0.2%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	76.8	76.8	-1.2	-1.5%	
1.2%	77.4	75.5	-1.9	-2.4%	
2.5%	75.3	72.3	-3.0	-4.0%	
3.7%	74.5	71.8	-2.6	-3.5%	
4.9%	73.5	71.1	-2.3	-3.2%	
6.2%	71.9	70.8	-1.2	-1.6%	
7.4%	70.8	70.6	-0.2	-0.2%	
8.6%	70.5	70.4	0.0	-0.1%	
9.9%	70.3	70.3	0.1	0.1%	
11.1%	70.2	69.8	-0.4	-0.6%	
12.3%	70.2	69.5	-0.7	-1.0%	
13.6%	69.7	69.5	-0.3	-0.4%	
14.8%	69.4	69.2	-0.2	-0.3%	
16.0%	69.4	68.8	-0.6	-0.8%	
17.3%	68.9	68.6	-0.3	-0.4%	
18.5%	68.6	68.4	-0.2	-0.3%	
19.8%	68.6	68.1	-0.5	-0.7%	
21.0%	68.5	68.0	-0.5	-0.7%	
22.2%	67.9	67.7	-0.1	-0.2%	
23.5%	67.8	67.7	-0.1	-0.2%	
24.7%	67.5	66.9	-0.6	-0.9%	
25.9%	67.2	66.7	-0.4	-0.6%	
27.2%	67.1	66.7	-0.4	-0.6%	
28.4%	67.0	66.7	-0.3	-0.5%	
29.6%	66.9	66.6	-0.3	-0.5%	
30.9%	66.8	66.4	-0.4	-0.6%	
32.1%	66.7	66.2	-0.4	-0.7%	
33.3%	66.7	66.7	-0.5	-0.8%	
34.6%	66.6	66.1	-0.5	-0.7%	
35.8%	66.5	66.0	-0.5	-0.8%	
37.0%	66.5	66.0	-0.5	-0.7%	
38.3%	66.5	66.0	-0.6	-0.9%	
39.5%	66.4	65.8	-0.6	-0.9%	
40.7%	66.3	65.7	-0.7	-1.0%	
42.0%	66.3	65.7	-0.6	-0.9%	
43.2%	66.2	65.6	-0.6	-0.9%	
44.4%	66.2	65.6	-0.6	-0.9%	
45.7%	66.2	65.6	-0.6	-0.9%	
46.9%	66.2	65.5	-0.7	-1.1%	
48.1%	66.1	65.5	-0.7	-1.0%	
49.4%	66.1	65.4	-0.6	-0.9%	
50.6%	66.0	65.4	-0.6	-0.8%	
51.9%	66.0	65.3	-0.7	-1.0%	
53.1%	66.0	65.3	-0.7	-1.0%	
54.3%	65.9	65.3	-0.7	-1.0%	
55.6%	65.9	65.2	-0.8	-1.2%	
56.8%	65.9	65.1	-0.8	-1.3%	
58.0%	65.9	65.1	-0.8	-1.2%	
59.3%	65.9	65.1	-0.8	-1.3%	
60.5%	65.9	65.0	-0.8	-1.2%	
61.7%	65.8	65.0	-0.8	-1.2%	
63.0%	65.8	65.0	-0.8	-1.2%	
64.2%	65.6	64.9	-0.7	-1.0%	
65.4%	65.6	64.9	-0.7	-1.0%	
66.7%	65.5	64.8	-0.7	-1.0%	
67.9%	65.5	64.8	-0.7	-1.1%	
69.1%	65.5	64.7	-0.8	-1.2%	
70.4%	65.5	64.6	-0.8	-1.3%	
71.6%	65.5	64.5	-0.9	-1.4%	
72.8%	65.4	64.5	-1.0	-1.5%	
74.1%	65.4	64.5	-1.0	-1.5%	
75.3%	65.4	64.4	-1.0	-1.5%	
76.5%	65.3	64.3	-1.0	-1.5%	
77.8%	65.2	64.3	-0.9	-1.4%	
79.0%	65.1	64.2	-0.9	-1.4%	
80.2%	65.1	64.2	-0.9	-1.4%	
81.5%	65.0	64.1	-0.8	-1.3%	
82.7%	65.0	63.9	-1.1	-1.7%	
84.0%	64.8	63.8	-1.1	-1.7%	
85.2%	64.8	63.5	-1.3	-2.1%	
86.4%	64.7	63.5	-1.3	-2.0%	
87.7%	64.6	63.4	-1.2	-1.9%	
88.9%	64.6	63.3	-1.3	-2.0%	
90.1%	64.4	63.3	-1.1	-1.7%	
91.4%	64.4	63.2	-1.2	-1.9%	
92.6%	64.3	63.1	-1.2	-1.8%	
93.8%	64.1	63.0	-1.1	-1.7%	
95.1%	63.9	62.6	-1.3	-2.1%	
96.3%	63.9	62.3	-1.6	-2.5%	
97.5%	63.6	62.0	-1.6	-2.6%	
98.8%	63.2	61.6	-1.6	-2.5%	
100.0%	63.2	61.6	-1.6	-2.5%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	76.6	73.9	-2.7	-3.5%	
1.2%	74.9	72.4	-2.5	-3.4%	
2.5%	73.9	71.6	-2.3	-3.1%	
3.7%	73.7	71.5	-2.2	-2.9%	
4.9%	73.5	71.1	-2.4	-3.3%	
6.2%	73.5	70.6	-2.9	-3.9%	
7.4%	72.5	70.5	-1.9	-2.7%	
8.6%	72.3	70.4	-1.9	-2.7%	
9.9%	72.2	69.7	-2.5	-3.4%	
11.1%	72.0	69.4	-2.7	-3.7%	
12.3%	71.7	69.3	-2.5	-3.5%	
13.6%	71.7	69.0	-2.8	-3.8%	
14.8%	71.2	68.8	-2.4	-3.3%	
16.0%	71.0	68.8	-2.2	-3.0%	
17.3%	70.5	68.9	-1.7	-2.4%	
18.5%	70.3	68.6	-1.7	-2.4%	
19.8%	69.9	67.8	-2.1	-3.0%	
21.0%	69.3	67.7	-1.5	-2.2%	
22.2%	69.2	67.7	-1.5	-2.1%	
23.5%	68.4	67.7	-0.7	-1.0%	
24.7%	68.4	67.7	-0.7	-1.0%	
25.9%	68.3	67.4	-0.8	-1.2%	
27.2%	68.3	67.3	-0.9	-1.4%	
28.4%	68.1	67.2	-0.8	-1.2%	
29.6%	68.0	67.2	-0.8	-1.2%	
30.9%	67.9	66.2	-0.7	-1.1%	
32.1%	67.8	67.1	-0.7	-1.0%	
33.3%	67.8	67.0	-0.7	-1.1%	
34.6%	67.7	66.7	-0.9	-1.4%	
35.8%	67.6	66.6	-1.0	-1.5%	
37.0%	67.6	66.6	-1.0	-1.5%	
38.3%	67.5	66.5	-1.1	-1.6%	
39.5%	67.5	66.4	-1.0	-1.5%	
40.7%	67.3	66.4	-0.9	-1.4%	
42.0%	67.3	66.4	-0.9	-1.4%	
43.2%	67.1	66.3	-0.8	-1.3%	
44.4%	67.0	66.1	-1.0	-1.4%	
45.7%	66.9	65.9	-1.0	-1.5%	
46.9%	66.8	65.9	-0.9	-1.3%	
48.1%	66.7	65.9	-0.8	-1.2%	
49.4%	66.6	65.6	-1.0	-1.5%	
50.6%	66.6	65.5	-1.1	-1.7%	
51.9%	66.6	65.4	-1.1	-1.7%	
53.1%	66.6	65.3	-1.2	-1.9%	
54.3%	66.5	65.2	-1.3	-2.0%	
55.6%	66.5	65.2	-1.3	-1.9%	
56.8%	66.5	65.1	-1.4	-2.1%	
58.0%	66.4	65.0	-1.4	-2.1%	
59.3%	66.3	64.9	-1.4	-2.1%	
60.5%	66.2	64.9	-1.3	-2.0%	
61.7%	66.1	64.6	-1.5	-2.3%	
63.0%	66.1	64.6	-1.5	-2.3%	
64.2%	66.0	64.6	-1.5	-2.2%	
65.4%	65.9	64.6	-1.3	-2.0%	
66.7%	65.9	64.6	-1.3	-2.0%	
67.9%	65.9	64.6	-1.3	-2.0%	
69.1%	65.8	64.5	-1.1	-1.7%	
70.4%	65.3	64.3	-0.9	-1.4%	
71.6%	65.2	64.2	-1.0	-1.5%	
72.8%	65.2	64.0	-1.2	-1.8%	
74.1%	64.8	63.9	-0.9	-1.4%	
75.3%	64.8	63.8	-0.9	-1.4%	
76.5%	64.7	63.8	-1.0	-1.5%	
77.8%	64.7	63.2	-1.5	-2.3%	
79.0%	64.5	63.1	-1.4		

**Table SQ10-1b**  
 American River at Watt Avenue, Monthly Temperature  
 Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	74.4	74.5	0.1	0.1%	
1.2%	73.4	71.8	-1.6	-2.2%	
2.5%	71.9	71.0	-0.9	-1.3%	
3.7%	71.9	70.8	-1.1	-1.5%	
4.9%	71.2	70.4	-0.8	-1.1%	
6.2%	71.2	69.8	-1.4	-1.9%	
7.4%	70.9	69.7	-1.2	-1.7%	
8.6%	70.8	69.6	-1.2	-1.7%	
9.9%	70.6	69.5	-1.1	-1.6%	
11.1%	70.5	69.2	-1.4	-1.9%	
12.3%	70.2	69.0	-1.2	-1.7%	
13.6%	70.1	68.9	-1.2	-1.7%	
14.8%	70.0	68.5	-1.5	-2.2%	
16.0%	69.6	68.4	-1.2	-1.7%	
17.3%	69.5	68.3	-1.3	-1.8%	
18.5%	69.3	68.3	-1.1	-1.6%	
19.8%	69.1	68.2	-0.9	-1.3%	
21.0%	69.1	68.2	-0.8	-1.2%	
22.2%	69.0	67.7	-1.3	-1.8%	
23.5%	68.9	67.4	-1.5	-2.2%	
24.7%	68.1	67.2	-0.8	-1.2%	
25.9%	67.9	67.2	-0.7	-1.0%	
27.2%	67.8	67.1	-0.7	-1.0%	
28.4%	67.6	67.1	-0.5	-0.8%	
29.6%	67.6	66.9	-0.7	-1.0%	
30.9%	67.5	66.9	-0.7	-1.0%	
32.1%	67.4	66.8	-0.6	-0.9%	
33.3%	67.2	66.8	-0.3	-0.5%	
34.6%	66.9	66.4	-0.5	-0.8%	
35.8%	66.9	66.4	-0.5	-0.8%	
37.0%	66.8	66.3	-0.5	-0.8%	
38.3%	66.8	66.2	-0.6	-0.9%	
39.5%	66.4	66.0	-0.4	-0.6%	
40.7%	66.4	65.7	-0.7	-1.1%	
42.0%	66.3	65.4	-0.9	-1.4%	
43.2%	66.1	65.4	-0.8	-1.2%	
44.4%	66.0	65.2	-0.7	-1.1%	
45.7%	65.9	65.2	-0.7	-1.1%	
46.9%	65.8	65.1	-0.7	-1.1%	
48.1%	65.8	65.1	-0.7	-1.1%	
49.4%	65.8	65.1	-0.7	-1.1%	
50.6%	65.4	64.9	-0.5	-0.8%	
51.9%	65.3	64.8	-0.5	-0.8%	
53.1%	65.2	64.8	-0.5	-0.7%	
54.3%	65.2	64.7	-0.5	-0.7%	
55.6%	65.2	64.7	-0.5	-0.7%	
56.8%	65.1	64.7	-0.5	-0.7%	
58.0%	65.1	64.6	-0.5	-0.8%	
59.3%	65.0	64.6	-0.5	-0.7%	
60.5%	65.0	64.4	-0.6	-0.9%	
61.7%	64.9	64.3	-0.6	-0.9%	
63.0%	64.8	64.0	-0.8	-1.2%	
64.2%	64.7	64.0	-0.7	-1.1%	
65.4%	64.6	64.0	-0.6	-0.9%	
66.7%	64.6	63.9	-0.6	-1.0%	
67.9%	64.6	63.9	-0.7	-1.1%	
69.1%	64.5	63.8	-0.7	-1.1%	
70.4%	64.4	63.6	-0.8	-1.2%	
71.6%	64.4	63.5	-0.9	-1.3%	
72.8%	64.4	63.5	-0.9	-1.4%	
74.1%	64.4	63.5	-0.9	-1.3%	
75.3%	64.3	63.5	-0.9	-1.3%	
76.5%	64.2	63.4	-0.8	-1.2%	
77.8%	63.8	63.4	-0.4	-0.6%	
79.0%	63.8	63.3	-0.5	-0.7%	
80.2%	63.8	63.3	-0.4	-0.7%	
81.5%	63.7	63.3	-0.5	-0.7%	
82.7%	63.7	63.2	-0.5	-0.8%	
84.0%	63.4	63.2	-0.2	-0.4%	
85.2%	63.2	63.0	-0.2	-0.4%	
86.4%	62.8	62.7	-0.1	-0.2%	
87.7%	62.6	62.7	0.1	0.2%	
88.9%	62.6	62.0	-0.5	-0.9%	
90.1%	62.5	62.0	-0.5	-0.9%	
91.4%	62.5	62.0	-0.5	-0.9%	
92.6%	62.4	61.8	-0.6	-0.9%	
93.8%	62.4	61.8	-0.6	-1.0%	
95.1%	61.8	61.6	-0.2	-0.4%	
96.3%	61.6	61.3	-0.3	-0.5%	
97.5%	61.6	60.7	-0.8	-1.3%	
98.8%	61.4	60.7	-0.7	-1.1%	
100.0%	61.1	60.4	-0.7	-1.1%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	74.5	74.4	0.1	0.1%	
1.2%	74.0	71.7	-2.3	-3.2%	
2.5%	72.6	71.4	-1.3	-1.8%	
3.7%	72.0	70.6	-1.4	-1.9%	
4.9%	71.9	70.5	-1.4	-1.9%	
6.2%	71.7	70.4	-1.3	-1.9%	
7.4%	71.2	70.2	-1.0	-1.3%	
8.6%	71.1	70.1	-1.0	-1.4%	
9.9%	71.0	69.6	-1.4	-2.0%	
11.1%	70.7	69.3	-1.3	-1.9%	
12.3%	70.5	69.2	-1.3	-1.9%	
13.6%	70.5	69.0	-1.5	-2.1%	
14.8%	70.4	68.7	-1.6	-2.3%	
16.0%	69.9	68.7	-1.3	-1.8%	
17.3%	69.9	68.5	-1.5	-2.1%	
18.5%	69.9	68.4	-1.5	-2.2%	
19.8%	69.8	68.1	-1.7	-2.5%	
21.0%	69.6	67.7	-1.9	-2.7%	
22.2%	68.6	67.6	-1.0	-1.4%	
23.5%	68.3	67.6	-0.7	-1.0%	
24.7%	68.2	67.1	-1.1	-1.6%	
25.9%	68.2	67.1	-1.1	-1.6%	
27.2%	67.8	67.0	-0.8	-1.1%	
28.4%	67.7	67.0	-0.7	-1.0%	
29.6%	67.4	66.9	-0.6	-0.8%	
30.9%	67.3	66.8	-0.5	-0.7%	
32.1%	67.2	66.7	-0.5	-0.8%	
33.3%	67.1	66.6	-0.5	-0.7%	
34.6%	67.1	66.4	-0.7	-1.1%	
35.8%	67.0	66.4	-0.6	-0.9%	
37.0%	66.9	66.3	-0.7	-1.0%	
38.3%	66.8	66.2	-0.7	-1.1%	
39.5%	66.9	66.1	-0.8	-1.2%	
40.7%	66.6	65.9	-0.7	-1.1%	
42.0%	66.5	65.7	-0.8	-1.2%	
43.2%	66.4	65.5	-0.9	-1.3%	
44.4%	66.4	65.3	-1.1	-1.6%	
45.7%	66.4	65.3	-1.0	-1.5%	
46.9%	66.3	65.3	-1.0	-1.5%	
48.1%	66.2	65.2	-1.0	-1.4%	
49.4%	66.0	65.1	-0.9	-1.3%	
50.6%	66.0	65.1	-0.9	-1.3%	
51.9%	65.9	65.1	-0.8	-1.3%	
53.1%	65.9	65.0	-0.8	-1.2%	
54.3%	65.8	64.9	-0.8	-1.3%	
55.6%	65.8	64.9	-0.8	-1.3%	
56.8%	65.7	64.9	-0.8	-1.3%	
58.0%	65.6	64.9	-0.8	-1.2%	
59.3%	65.6	64.8	-1.0	-1.5%	
60.5%	65.5	64.6	-0.9	-1.4%	
61.7%	65.4	64.5	-0.9	-1.4%	
63.0%	65.4	64.5	-0.9	-1.4%	
64.2%	65.4	64.5	-0.9	-1.3%	
65.4%	65.3	64.5	-0.8	-1.2%	
66.7%	65.2	64.4	-0.8	-1.2%	
67.9%	65.2	64.3	-0.9	-1.3%	
69.1%	65.1	64.3	-0.9	-1.4%	
70.4%	65.1	64.2	-0.9	-1.4%	
71.6%	65.0	64.1	-0.9	-1.3%	
72.8%	64.9	64.1	-0.9	-1.3%	
74.1%	64.9	64.1	-0.9	-1.3%	
75.3%	64.8	64.0	-0.8	-1.2%	
76.5%	64.7	64.0	-0.7	-1.1%	
77.8%	64.4	64.0	-0.5	-0.7%	
79.0%	64.4	64.0	-0.5	-0.8%	
80.2%	64.4	63.8	-0.6	-0.9%	
81.5%	64.2	63.7	-0.5	-0.8%	
82.7%	64.2	63.6	-0.6	-0.9%	
84.0%	64.0	63.6	-0.4	-0.7%	
85.2%	63.9	63.6	-0.3	-0.5%	
86.4%	63.6	63.5	-0.1	-0.1%	
87.7%	63.3	63.4	0.1	0.2%	
88.9%	63.2	63.1	-0.1	-0.2%	
90.1%	63.2	63.6	0.6	1.0%	
91.4%	63.2	62.5	-0.6	-1.0%	
92.6%	63.2	62.4	-0.8	-1.2%	
93.8%	63.1	62.4	-0.7	-1.1%	
95.1%	63.1	62.3	-0.8	-1.2%	
96.3%	62.7	62.1	-0.7	-1.1%	
97.5%	62.6	61.7	-1.0	-1.6%	
98.8%	62.4	61.5	-0.8	-1.3%	
100.0%	62.0	61.2	-0.9	-1.4%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	74.3	73.2	-1.1	-1.5%	
1.2%	73.2	71.1	-2.1	-2.9%	
2.5%	73.1	70.9	-2.1	-2.9%	
3.7%	72.1	70.3	-1.7	-2.4%	
4.9%	71.7	70.0	-1.7	-2.3%	
6.2%	71.3	70.0	-1.3	-1.9%	
7.4%	71.3	69.8	-1.5	-2.1%	
8.6%	71.1	69.8	-1.4	-2.0%	
9.9%	71.1	69.4	-1.7	-2.4%	
11.1%	71.1	69.3	-1.7	-2.4%	
12.3%	70.6	69.0	-1.6	-2.2%	
13.6%	70.5	68.8	-1.8	-2.5%	
14.8%	70.4	68.7	-1.7	-2.5%	
16.0%	70.3	68.5	-1.8	-2.6%	
17.3%	69.9	68.5	-1.5	-2.1%	
18.5%	69.7	68.4	-1.3	-1.9%	
19.8%	69.6	68.3	-1.3	-1.9%	
21.0%	69.3	67.6	-1.6	-2.4%	
22.2%	68.9	67.6	-1.3	-1.9%	
23.5%	68.7	67.5	-1.2	-1.8%	
24.7%	68.6	67.4	-1.3	-1.8%	
25.9%	68.6	67.2	-1.3	-1.9%	
27.2%	68.0	67.2	-0.8	-1.1%	
28.4%	67.9	67.2	-0.7	-1.1%	
29.6%	67.9	67.2	-0.8	-1.1%	
30.9%	67.6	66.9	-0.8	-1.1%	
32.1%	67.6	66.7	-0.8	-1.2%	
33.3%	67.4	66.6	-0.8	-1.2%	
34.6%	67.4	66.6	-0.8	-1.2%	
35.8%	67.3	66.5	-0.8	-1.2%	
37.0%	67.2	66.5	-0.8	-1.2%	
38.3%	67.0	66.3	-0.7	-1.0%	
39.5%	66.9	66.0	-0.9	-1.4%	
40.7%	66.9	65.9	-0.9	-1.4%	
42.0%	66.7	65.8	-0.8	-1.3%	
43.2%	66.4	65.7	-0.7	-1.1%	
44.4%	66.4	65.7	-0.7	-1.1%	
45.7%	66.4	65.4	-1.0	-1.5%	
46.9%	66.3	65.4	-1.0	-1.4%	
48.1%	66.2	65.2	-1.1	-1.7%	
49.4%	66.3	65.1	-1.1	-1.7%	
50.6%	66.2	65.1	-1.1	-1.7%	
51.9%	66.2	65.1	-1.1	-1.6%	
53.1%	66.0	65.1	-0.9	-1.3%	
54.3%	65.9	65.0	-0.9	-1.3%	
55.6%	65.8	65.0	-0.8	-1.2%	
56.8%	65.8	64.9	-0.9	-1.4%	
58.0%	65.7	64.8	-0.9	-1.4%	
59.3%	65.7	64.7	-1.0	-1.5%	
60.5%	65.7	64.7	-1.0	-1.5%	
61.7%	65.6	64.6	-1.0	-1.6%	
63.0%	65.4	64.5	-0.9	-1.4%	
64.2%	65.4	64.5	-0.8	-1.3%	
65.4%	65.1	64.4	-0.8	-1.2%	
66.7%	65.1	64.3	-0.8	-1.2%	
67.9%	64.9	64.2	-0.7	-1.1%	
69.1%	64.8	64.1	-0.7	-1.1%	
70.4%	64.7	63.9	-0.8	-1.2%	
71.6%	64.5	63.9	-0.6	-0.9%	
72.8%	64.4	63.8	-0.6	-1.0%	
74.1%	64.3	63.8	-0.6	-0.9%	
75.3%	64.3	63.7	-0.5	-0.8%	
76.5%	64.3	63.7	-0.6	-0.9%	

Table SQ11-1a  
American River at the Mouth, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	61.4	55.2	49.8	46.6	48.2	52.7	58.3	63.3	67.4	69.3	70.0	67.9
DCR 2015 With Project	61.4	55.8	50.1	46.7	48.2	52.7	58.2	63.2	67.1	69.0	68.8	67.4
Difference	0.0	0.6	0.4	0.1	0.0	-0.1	-0.1	0.0	-0.3	-0.4	-1.2	-0.5
Percent Difference <sup>3</sup>	0.0%	1.2%	0.7%	0.3%	0.1%	-0.1%	-0.2%	-0.1%	-0.4%	-0.5%	-1.8%	-0.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (2%)</b>												
DCR 2015 Without Project	59.9	55.2	50.3	45.7	46.6	50.2	55.0	59.5	63.5	67.5	66.7	64.7
DCR 2015 With Project	60.5	56.0	50.6	45.7	46.6	50.2	54.9	59.5	63.4	66.7	65.8	64.9
Difference	0.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8	-0.9	0.2
Percent Difference	1.0%	1.4%	0.7%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%	-1.1%	-1.3%	0.3%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	60.9	54.7	50.2	46.7	47.6	50.9	57.1	62.1	66.8	67.9	68.7	66.3
DCR 2015 With Project	60.4	55.3	50.7	46.9	47.7	50.9	57.0	62.0	66.9	67.4	68.0	66.0
Difference	-0.5	0.6	0.5	0.2	0.1	0.0	-0.1	-0.1	0.1	-0.6	-0.7	-0.4
Percent Difference	-0.8%	1.1%	1.1%	0.4%	0.2%	0.1%	-0.2%	-0.1%	0.1%	-0.9%	-1.0%	-0.6%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	60.5	54.8	49.8	46.8	47.7	52.7	58.6	63.0	68.1	67.8	70.4	68.5
DCR 2015 With Project	60.2	55.5	50.2	46.8	47.6	52.7	58.4	62.8	67.2	67.6	68.7	67.6
Difference	-0.3	0.7	0.4	0.0	0.0	-0.1	-0.2	-0.2	-0.8	-0.1	-1.6	-0.9
Percent Difference	-0.6%	1.2%	0.8%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-1.2%	-0.2%	-2.3%	-1.3%
<b>Dry (22%)</b>												
DCR 2015 Without Project	62.4	55.2	49.4	46.9	49.0	54.5	60.5	66.2	69.8	70.0	71.5	70.0
DCR 2015 With Project	62.3	55.9	49.7	47.2	49.2	54.4	60.4	66.3	69.5	70.4	70.2	69.3
Difference	-0.1	0.7	0.4	0.2	0.1	-0.2	-0.1	0.1	-0.3	0.3	-1.3	-0.7
Percent Difference	-0.2%	1.2%	0.7%	0.5%	0.2%	-0.3%	-0.1%	0.1%	-0.5%	0.5%	-1.8%	-1.0%
<b>Critical (15%)</b>												
DCR 2015 Without Project	64.8	55.8	48.9	47.6	51.4	57.4	63.4	68.4	72.3	75.5	75.8	72.8
DCR 2015 With Project	64.6	56.2	49.2	47.9	51.5	57.2	63.2	68.3	71.9	74.9	73.8	71.3
Difference	-0.2	0.3	0.2	0.2	0.1	-0.2	-0.2	-0.1	-0.4	-0.6	-2.0	-1.5
Percent Difference	-0.3%	0.6%	0.5%	0.4%	0.1%	-0.3%	-0.4%	-0.1%	-0.5%	-0.7%	-2.7%	-2.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

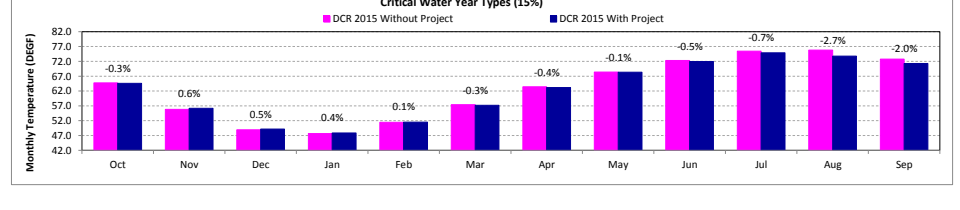
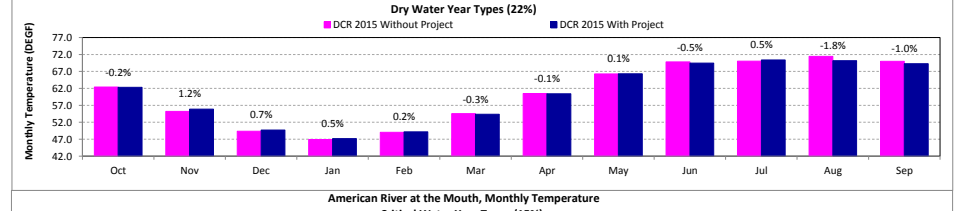
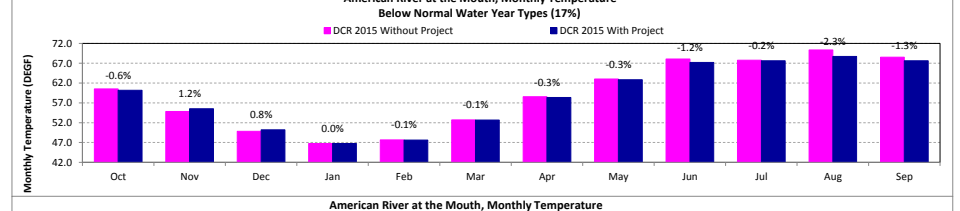
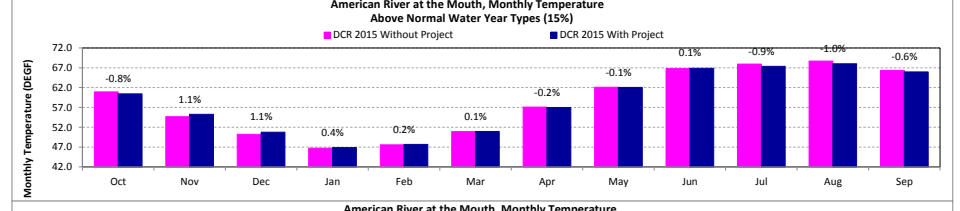
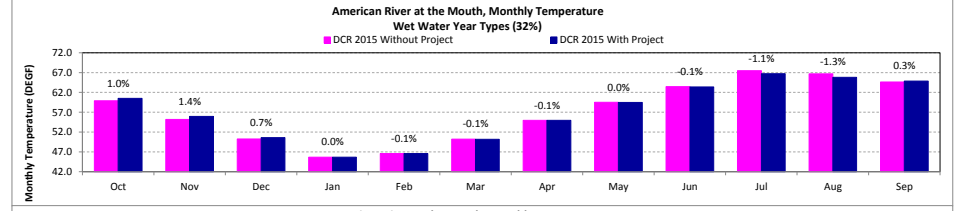
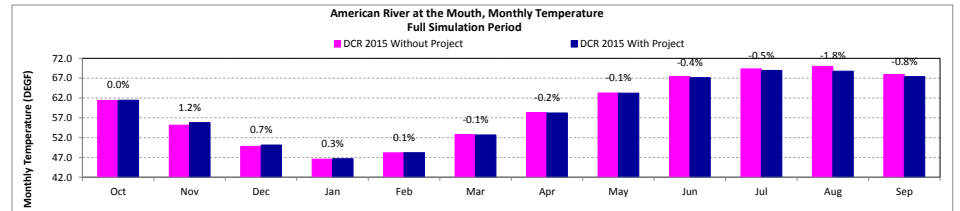


Figure SQ11-1b  
American River at the Mouth, Monthly Temperature  
Probability of Exceedance

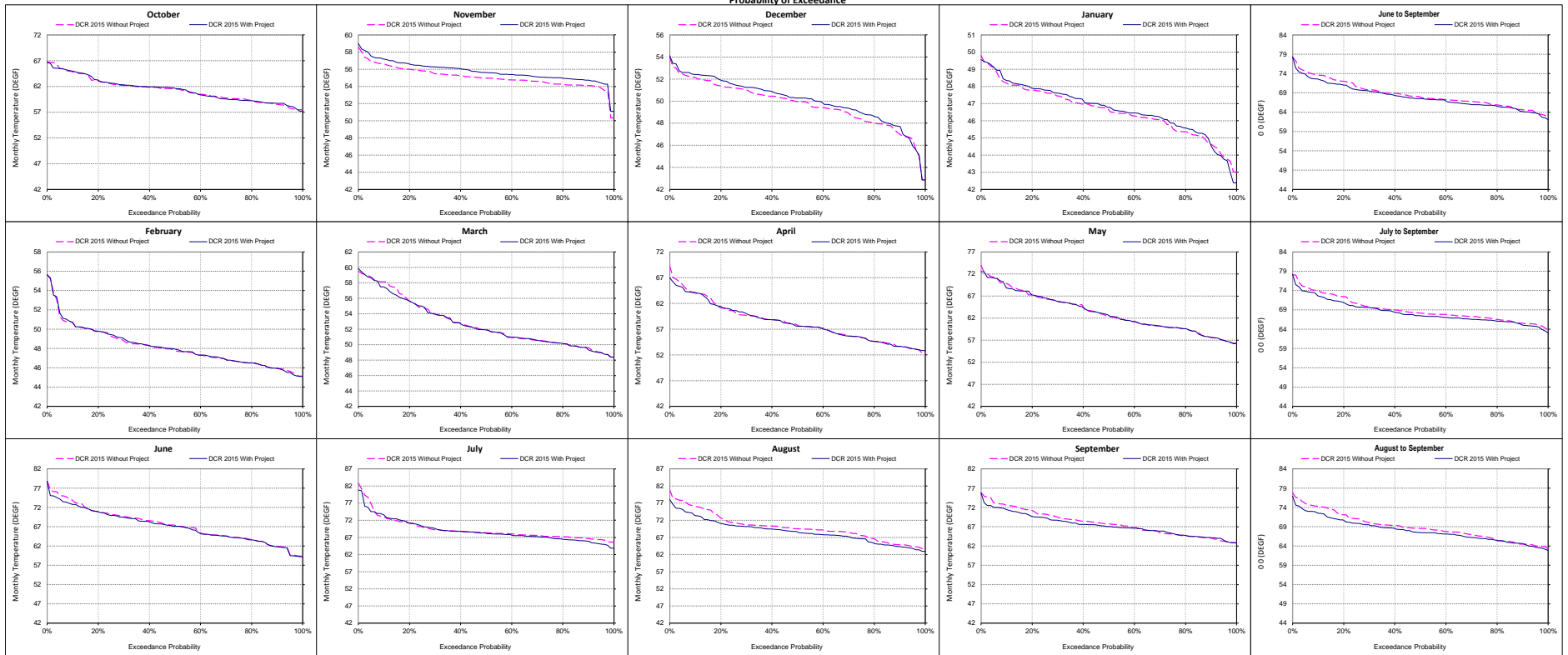


Table SQ11-1b  
American River at the Mouth, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	66.8	66.8	-0.2	-0.2%	
1.2%	66.7	66.5	-0.2	-0.3%	
2.5%	66.6	66.5	-1.1	-1.6%	
3.7%	66.3	66.5	-0.8	-1.2%	
4.9%	65.5	66.5	0.0	0.0%	
6.2%	65.5	66.4	-0.1	-0.1%	
7.4%	65.1	65.2	0.1	0.2%	
8.6%	65.0	65.1	0.1	0.2%	
9.9%	64.9	65.0	0.1	0.2%	
11.1%	64.7	64.8	0.1	0.2%	
12.3%	64.5	64.7	0.2	0.3%	
13.6%	64.5	64.6	0.0	0.0%	
14.8%	64.5	64.4	0.0	0.0%	
16.0%	64.1	64.3	0.2	0.2%	
17.3%	63.2	63.9	0.7	1.1%	
18.5%	63.2	63.3	0.1	0.2%	
19.8%	63.1	63.3	0.1	0.2%	
21.0%	62.9	62.9	0.0	0.0%	
22.2%	62.8	62.9	0.1	0.1%	
23.5%	62.7	62.8	0.2	0.3%	
24.7%	62.6	62.7	0.1	0.2%	
25.9%	62.4	62.6	0.2	0.4%	
27.2%	62.3	62.5	0.2	0.3%	
28.4%	62.2	62.4	0.1	0.2%	
29.6%	62.2	62.3	0.1	0.2%	
30.9%	62.2	62.2	0.0	0.1%	
32.1%	62.2	62.2	0.0	0.1%	
33.3%	62.2	62.1	-0.1	-0.1%	
34.6%	62.0	62.1	0.1	0.1%	
35.8%	61.9	62.0	0.1	0.2%	
37.0%	61.9	62.0	0.0	0.1%	
38.3%	61.9	62.0	0.0	0.1%	
39.5%	61.9	61.9	0.0	0.1%	
40.7%	61.8	61.9	0.1	0.1%	
42.0%	61.8	61.9	0.1	0.1%	
43.2%	61.8	61.9	0.1	0.1%	
44.4%	61.6	61.8	0.2	0.3%	
45.7%	61.6	61.8	0.2	0.4%	
46.9%	61.6	61.8	0.2	0.3%	
48.1%	61.6	61.8	0.2	0.3%	
49.4%	61.5	61.7	0.2	0.3%	
50.6%	61.5	61.6	0.1	0.2%	
51.9%	61.4	61.6	0.1	0.2%	
53.1%	61.2	61.4	0.2	0.3%	
54.3%	61.1	61.3	0.1	0.2%	
55.6%	61.0	60.8	-0.2	-0.3%	
56.8%	60.8	60.7	-0.1	-0.2%	
58.0%	60.6	60.7	0.1	0.2%	
59.3%	60.5	60.4	-0.1	-0.1%	
60.5%	60.5	60.3	-0.2	-0.3%	
61.7%	60.4	60.2	-0.2	-0.3%	
63.0%	60.4	60.1	-0.3	-0.5%	
64.2%	60.1	60.1	-0.1	-0.1%	
65.4%	60.1	60.0	-0.1	-0.1%	
66.7%	60.1	59.8	-0.3	-0.4%	
67.9%	60.0	59.6	-0.4	-0.6%	
69.1%	59.8	59.6	-0.2	-0.3%	
70.4%	59.8	59.6	-0.2	-0.4%	
71.6%	59.7	59.5	-0.2	-0.4%	
72.8%	59.6	59.5	-0.2	-0.3%	
74.1%	59.6	59.4	-0.2	-0.3%	
75.3%	59.6	59.3	-0.3	-0.4%	
76.5%	59.6	59.3	-0.3	-0.5%	
77.8%	59.5	59.3	-0.2	-0.4%	
79.0%	59.3	59.3	-0.1	-0.1%	
80.2%	59.3	59.2	-0.1	-0.1%	
81.5%	59.0	59.1	0.1	0.2%	
82.7%	58.9	59.1	0.2	0.3%	
84.0%	58.8	59.0	0.1	0.2%	
85.2%	58.8	58.8	0.0	0.1%	
86.4%	58.8	58.8	0.0	0.1%	
87.7%	58.7	58.8	0.0	0.1%	
88.9%	58.5	58.8	0.3	0.4%	
90.1%	58.5	58.7	0.2	0.4%	
91.4%	58.4	58.7	0.3	0.5%	
92.6%	58.4	58.7	0.3	0.6%	
93.8%	58.1	58.3	0.1	0.3%	
95.1%	57.8	58.1	0.4	0.7%	
96.3%	57.6	58.0	0.4	0.7%	
97.5%	57.5	57.6	0.1	0.1%	
98.8%	57.5	57.2	-0.3	-0.5%	
100.0%	57.5	57.2	-0.3	-0.5%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.6	59.0	0.4	0.7%	
1.2%	58.0	58.4	0.3	0.5%	
2.5%	57.4	58.2	0.8	1.4%	
3.7%	57.3	58.0	0.8	1.4%	
4.9%	56.9	57.5	0.7	1.2%	
6.2%	56.8	57.4	0.6	0.9%	
7.4%	56.7	57.3	0.6	1.1%	
8.6%	56.7	57.3	0.6	1.1%	
9.9%	56.7	57.2	0.5	0.9%	
11.1%	56.5	57.1	0.6	1.1%	
12.3%	56.4	57.0	0.6	1.1%	
13.6%	56.3	57.0	0.7	1.2%	
14.8%	56.2	56.8	0.6	1.0%	
16.0%	56.1	56.7	0.6	1.1%	
17.3%	56.1	56.7	0.7	1.2%	
18.5%	56.0	56.7	0.7	1.2%	
19.8%	56.0	56.6	0.6	1.1%	
21.0%	56.0	56.5	0.6	1.0%	
22.2%	55.9	56.5	0.6	1.0%	
23.5%	55.9	56.5	0.6	1.1%	
24.7%	55.8	56.4	0.6	1.0%	
25.9%	55.8	56.3	0.5	1.0%	
27.2%	55.8	56.3	0.5	1.0%	
28.4%	55.7	56.3	0.6	1.1%	
29.6%	55.5	56.3	0.8	1.4%	
30.9%	55.5	56.3	0.8	1.4%	
32.1%	55.4	56.2	0.8	1.4%	
33.3%	55.4	56.2	0.8	1.4%	
34.6%	55.4	56.2	0.8	1.5%	
35.8%	55.4	56.2	0.8	1.5%	
37.0%	55.3	56.2	0.9	1.5%	
38.3%	55.3	56.1	0.8	1.4%	
39.5%	55.3	56.1	0.8	1.5%	
40.7%	55.2	56.0	0.8	1.4%	
42.0%	55.1	56.0	0.8	1.5%	
43.2%	55.1	55.9	0.8	1.4%	
44.4%	55.1	55.8	0.7	1.3%	
45.7%	55.1	55.7	0.7	1.2%	
46.9%	55.0	55.7	0.6	1.2%	
48.1%	55.0	55.6	0.6	1.1%	
49.4%	55.0	55.6	0.6	1.1%	
50.6%	55.0	55.6	0.6	1.1%	
51.9%	55.0	55.6	0.6	1.2%	
53.1%	54.9	55.6	0.6	1.1%	
54.3%	54.9	55.6	0.7	1.2%	
55.6%	54.9	55.4	0.6	1.0%	
56.8%	54.8	55.4	0.6	1.1%	
58.0%	54.8	55.4	0.6	1.1%	
59.3%	54.8	55.4	0.6	1.1%	
60.5%	54.8	55.4	0.6	1.1%	
61.7%	54.8	55.3	0.6	1.1%	
63.0%	54.7	55.3	0.6	1.1%	
64.2%	54.7	55.3	0.6	1.1%	
65.4%	54.7	55.3	0.6	1.0%	
66.7%	54.7	55.3	0.6	1.1%	
67.9%	54.6	55.2	0.6	1.1%	
69.1%	54.6	55.1	0.5	0.9%	
70.4%	54.6	55.1	0.5	0.9%	
71.6%	54.6	55.1	0.5	0.9%	
72.8%	54.5	55.1	0.6	1.0%	
74.1%	54.4	55.0	0.7	1.2%	
75.3%	54.4	55.0	0.7	1.2%	
76.5%	54.3	55.0	0.7	1.4%	
77.8%	54.3	55.0	0.7	1.4%	
79.0%	54.3	55.0	0.7	1.3%	
80.2%	54.2	55.0	0.7	1.3%	
81.5%	54.2	54.9	0.8	1.4%	
82.7%	54.2	54.9	0.7	1.3%	
84.0%	54.2	54.9	0.7	1.3%	
85.2%	54.2	54.8	0.7	1.2%	
86.4%	54.2	54.8	0.7	1.2%	
87.7%	54.1	54.8	0.7	1.2%	
88.9%	54.1	54.7	0.6	1.2%	
90.1%	54.1	54.7	0.6	1.1%	
91.4%	54.1	54.7	0.6	1.1%	
92.6%	54.0	54.6	0.6	1.1%	
93.8%	54.0	54.5	0.5	0.9%	
95.1%	53.8	54.4	0.6	1.1%	
96.3%	53.5	54.3	0.7	1.4%	
97.5%	53.5	54.3	0.8	1.4%	
98.8%	50.3	51.1	0.8	1.5%	
100.0%	50.3	51.1	0.8	1.5%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.0	54.1	0.1	0.3%	
1.2%	53.1	53.4	0.3	0.6%	
2.5%	53.0	53.4	0.4	0.7%	
3.7%	52.5	52.7	0.2	0.4%	
4.9%	52.5	52.6	0.1	0.3%	
6.2%	52.3	52.6	0.3	0.5%	
7.4%	52.3	52.6	0.3	0.7%	
8.6%	52.2	52.5	0.3	0.6%	
9.9%	52.2	52.4	0.3	0.5%	
11.1%	52.0	52.4	0.4	0.8%	
12.3%	52.0	52.4	0.4	0.7%	
13.6%	51.9	52.3	0.4	0.8%	
14.8%	51.9	52.3	0.4	0.8%	
16.0%	51.9	52.3	0.4	0.9%	
17.3%	51.5	52.3	0.7	1.4%	
18.5%	51.4	52.1	0.6	1.2%	
19.8%	51.4	51.9	0.5	1.1%	
21.0%	51.3	51.8	0.5	1.0%	
22.2%	51.3	51.8	0.6	1.1%	
23.5%	51.3	51.6	0.4	0.7%	
24.7%	51.2	51.6	0.4	0.7%	
25.9%	51.2	51.5	0.3	0.5%	
27.2%	51.1	51.4	0.2	0.5%	
28.4%	51.1	51.3	0.3	0.5%	
29.6%	51.1	51.3	0.2	0.4%	
30.9%	50.9	51.3	0.3	0.7%	
32.1%	50.8	51.3	0.5	1.0%	
33.3%	50.6	51.2	0.5	1.1%	
34.6%	50.6	51.1	0.5	1.0%	
35.8%	50.6	51.1	0.5	1.0%	
37.0%	50.5	51.0	0.4	0.9%	
38.3%	50.5	50.9	0.5	0.9%	
39.5%	50.4	50.9	0.5	1.0%	
40.7%	50.4	50.8	0.3	0.7%	
42.0%	50.4	50.7	0.3	0.6%	
43.2%	50.3	50.6	0.3	0.6%	
44.4%	50.3	50.6	0.3	0.6%	
45.7%	50.2	50.5	0.3	0.5%	
46.9%	50.2	50.3	0.3	0.5%	
48.1%	50.1	50.3	0.3	0.5%	
49.4%	50.0	50.3	0.3	0.7%	
50.6%	50.0	50.3	0.3	0.6%	
51.9%	49.9	50.3	0.3	0.7%	
53.1%	49.9	50.3	0.3	0.7%	
54.3%	49.8	50.2	0.4	0.8%	
55.6%	49.5	50.2	0.7	1.4%	
56.8%	49.4	50.0	0.6	1.2%	
58.0%	49.4	50.0	0.6	1.1%	
59.3%	49.4	49.9	0.5	1.1%	
60.5%	49.4	49.7	0.3	0.6%	
61.7%	49.3	49.7	0.4	0.7%	
63.0%	49.3	49.7	0.4	0.7%	
64.2%	49.3	49.6	0.3	0.6%	
65.4%	49.3	49.5	0.3	0.5%	
66.7%	49.2	49.5	0.3	0.6%	
67.9%	49.0	49.4	0.4	0.8%	
69.1%	49.0	49.4	0.4	0.7%	
70.4%	48.8	49.3	0.5	1.0%	
71.6%	48.6	49.2	0.7	1.4%	
72.8%	48.5	49.2	0.7	1.5%	
74.1%	48.4	49.0	0.6	1.2%	
75.3%	48.4	48.9	0.5	1.1%	
76.5%	48.2	48.8	0.6	1.3%	
77.8%	48.1	48.8	0.6	1.3%	
79.0%	48.1	48.7	0.7		



Table SQ11-1b  
American River at the Mouth, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	55.6		0.0	0.1%	
1.2%	55.2	55.3	0.1	0.2%	
2.5%	53.8	53.5	-0.3	-0.5%	
3.7%	53.1	53.4	0.3	0.5%	
4.9%	51.3	51.6	0.3	0.7%	
6.2%	50.3	51.1	0.8	1.6%	
7.4%	50.8	51.0	0.3	0.6%	
8.6%	50.8	50.8	0.1	0.2%	
9.9%	50.7	50.7	-0.1	-0.1%	
11.1%	50.2	50.2	0.0	0.0%	
12.3%	50.2	50.2	0.0	0.1%	
13.6%	50.2	50.2	0.0	0.1%	
14.8%	50.1	50.1	0.0	0.1%	
16.0%	50.0	50.1	0.1	0.1%	
17.3%	50.0	50.0	0.0	0.0%	
18.5%	49.8	49.8	0.0	0.1%	
19.8%	49.7	49.8	0.1	0.2%	
21.0%	49.7	49.8	0.0	0.1%	
22.2%	49.7	49.7	0.0	0.0%	
23.5%	49.6	49.5	-0.1	-0.3%	
24.7%	49.3	49.4	0.2	0.3%	
25.9%	49.2	49.4	0.2	0.4%	
27.2%	49.0	49.2	0.1	0.3%	
28.4%	49.0	49.1	0.1	0.2%	
29.6%	48.9	49.1	0.2	0.4%	
30.9%	48.6	48.9	0.2	0.5%	
32.1%	48.6	48.7	0.1	0.2%	
33.3%	48.5	48.6	0.2	0.3%	
34.6%	48.5	48.6	0.1	0.2%	
35.8%	48.5	48.5	0.0	0.1%	
37.0%	48.4	48.5	0.1	0.1%	
38.3%	48.4	48.4	0.0	-0.1%	
39.5%	48.3	48.3	0.0	0.0%	
40.7%	48.2	48.2	0.1	0.1%	
42.0%	48.1	48.2	0.1	0.2%	
43.2%	48.1	48.2	0.1	0.1%	
44.4%	48.1	48.1	0.1	0.2%	
45.7%	48.0	48.0	0.1	0.1%	
46.9%	48.0	48.0	0.0	0.1%	
48.1%	47.9	48.0	0.1	0.1%	
49.4%	47.8	48.0	0.1	0.3%	
50.6%	47.7	47.9	0.2	0.4%	
51.9%	47.7	47.8	0.1	0.3%	
53.1%	47.7	47.7	0.0	0.0%	
54.3%	47.6	47.7	0.0	0.1%	
55.6%	47.6	47.7	0.1	0.1%	
56.8%	47.6	47.6	0.1	0.1%	
58.0%	47.4	47.4	0.0	0.0%	
59.3%	47.3	47.3	0.0	0.0%	
60.5%	47.3	47.3	0.0	0.0%	
61.7%	47.2	47.3	0.1	0.1%	
63.0%	47.2	47.2	0.0	0.0%	
64.2%	47.1	47.1	0.1	0.1%	
65.4%	47.0	47.1	0.1	0.2%	
66.7%	47.0	47.1	0.1	0.2%	
67.9%	47.0	47.0	0.0	0.0%	
69.1%	46.9	47.0	0.0	0.0%	
70.4%	46.8	46.8	0.0	0.0%	
71.6%	46.8	46.8	0.0	0.0%	
72.8%	46.7	46.7	0.0	0.1%	
74.1%	46.7	46.7	0.0	0.0%	
75.3%	46.6	46.6	0.0	0.0%	
76.5%	46.6	46.6	0.0	-0.1%	
77.8%	46.5	46.5	0.0	0.0%	
79.0%	46.5	46.5	0.0	0.0%	
80.2%	46.5	46.5	0.0	0.1%	
81.5%	46.4	46.5	0.1	0.1%	
82.7%	46.4	46.4	0.0	0.0%	
84.0%	46.2	46.3	0.0	0.0%	
85.2%	46.2	46.2	0.0	0.1%	
86.4%	46.1	46.1	0.0	0.0%	
87.7%	46.0	46.0	0.0	-0.1%	
88.9%	46.0	46.0	0.0	0.0%	
90.1%	46.0	46.0	0.0	0.0%	
91.4%	45.9	45.9	0.0	-0.1%	
92.6%	45.9	45.7	-0.1	-0.3%	
93.8%	45.7	45.5	-0.2	-0.5%	
95.1%	45.6	45.5	-0.1	-0.3%	
96.3%	45.5	45.3	-0.2	-0.5%	
97.5%	45.2	45.1	-0.1	-0.2%	
98.8%	45.1	45.1	0.0	-0.1%	
100.0%	45.1	45.1	0.0	-0.1%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	59.5	59.8	0.3	0.5%	
1.2%	59.2	59.4	0.2	0.3%	
2.5%	59.1	59.1	0.0	0.0%	
3.7%	58.9	58.8	-0.2	-0.3%	
4.9%	58.7	58.7	-0.1	-0.2%	
6.2%	58.4	58.3	-0.1	-0.2%	
7.4%	58.2	58.2	0.0	0.0%	
8.6%	58.1	57.5	-0.7	-1.1%	
9.9%	58.1	57.5	-0.7	-1.1%	
11.1%	58.1	57.3	-0.9	-1.5%	
12.3%	57.6	56.9	-0.7	-1.2%	
13.6%	57.5	56.6	-0.9	-1.5%	
14.8%	57.4	56.4	-1.0	-1.7%	
16.0%	56.6	56.2	-0.5	-0.8%	
17.3%	56.5	56.0	-0.5	-0.9%	
18.5%	56.1	55.9	-0.2	-0.4%	
19.8%	55.7	55.7	0.0	0.1%	
21.0%	55.4	55.5	0.1	0.1%	
22.2%	55.3	55.2	-0.1	-0.2%	
23.5%	54.9	55.0	0.2	0.3%	
24.7%	54.8	55.0	0.2	0.3%	
25.9%	54.7	54.8	0.1	0.3%	
27.2%	54.6	54.1	-0.5	-0.8%	
28.4%	54.1	54.1	0.0	0.1%	
29.6%	54.0	53.9	-0.1	-0.2%	
30.9%	53.8	53.8	0.0	0.0%	
32.1%	53.8	53.8	0.0	0.1%	
33.3%	53.7	53.8	0.1	0.2%	
34.6%	53.4	53.5	0.1	0.1%	
35.8%	53.3	53.4	0.1	0.3%	
37.0%	52.9	52.8	-0.1	-0.2%	
38.3%	52.8	52.8	0.0	0.0%	
39.5%	52.8	52.8	0.0	0.0%	
40.7%	52.6	52.5	0.0	-0.1%	
42.0%	52.5	52.4	-0.1	-0.3%	
43.2%	52.4	52.4	0.0	-0.1%	
44.4%	52.3	52.3	0.0	0.0%	
45.7%	52.3	52.1	-0.1	-0.3%	
46.9%	52.1	52.0	-0.1	-0.2%	
48.1%	51.9	52.0	0.0	0.0%	
49.4%	51.9	51.9	0.0	0.0%	
50.6%	51.9	51.9	0.0	0.1%	
51.9%	51.7	51.7	0.0	0.0%	
53.1%	51.6	51.6	0.0	0.1%	
54.3%	51.6	51.6	0.0	0.0%	
55.6%	51.6	51.6	0.0	0.0%	
56.8%	51.4	51.3	-0.1	-0.3%	
58.0%	51.0	51.1	0.1	0.2%	
59.3%	50.9	51.0	0.0	0.1%	
60.5%	50.9	51.0	0.0	0.1%	
61.7%	50.9	51.0	0.1	0.1%	
63.0%	50.8	50.9	0.1	0.2%	
64.2%	50.8	50.8	0.0	0.1%	
65.4%	50.8	50.8	0.0	0.0%	
66.7%	50.8	50.8	0.0	0.0%	
67.9%	50.6	50.7	0.1	0.2%	
69.1%	50.6	50.6	0.0	0.1%	
70.4%	50.5	50.5	0.0	0.0%	
71.6%	50.5	50.5	0.0	-0.1%	
72.8%	50.5	50.4	-0.1	-0.1%	
74.1%	50.4	50.4	0.0	0.0%	
75.3%	50.3	50.3	0.0	0.0%	
76.5%	50.3	50.3	0.0	0.0%	
77.8%	50.2	50.2	0.0	0.0%	
79.0%	50.2	50.2	0.0	0.0%	
80.2%	50.1	50.1	0.0	0.0%	
81.5%	50.1	50.1	0.0	0.0%	
82.7%	49.9	49.8	-0.1	-0.2%	
84.0%	49.8	49.8	0.0	0.0%	
85.2%	49.8	49.8	0.0	0.0%	
86.4%	49.7	49.7	0.0	0.0%	
87.7%	49.7	49.7	0.0	0.0%	
88.9%	49.6	49.6	0.0	0.0%	
90.1%	49.6	49.3	-0.3	-0.6%	
91.4%	49.3	49.2	-0.1	-0.3%	
92.6%	49.2	49.0	-0.1	-0.2%	
93.8%	49.1	49.0	-0.1	-0.2%	
95.1%	49.0	49.0	0.0	0.0%	
96.3%	48.7	48.7	0.0	0.0%	
97.5%	48.7	48.7	0.0	0.0%	
98.8%	48.4	48.4	0.0	0.0%	
100.0%	48.4	48.4	0.0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	69.3	67.0	-2.3	-3.3%	
1.2%	67.1	66.2	-0.9	-1.3%	
2.5%	66.7	65.5	-1.2	-1.8%	
3.7%	66.2	65.3	-0.9	-1.4%	
4.9%	65.7	65.1	-0.5	-0.8%	
6.2%	65.0	64.3	-0.6	-1.0%	
7.4%	64.2	64.2	0.0	-0.1%	
8.6%	64.2	64.1	-0.1	-0.1%	
9.9%	64.0	64.1	0.1	0.2%	
11.1%	63.8	64.0	0.1	0.2%	
12.3%	63.8	63.9	0.0	0.1%	
13.6%	63.8	63.4	-0.4	-0.6%	
14.8%	63.3	62.9	-0.5	-0.7%	
16.0%	63.0	61.9	-1.1	-1.7%	
17.3%	62.1	61.8	-0.3	-0.5%	
18.5%	61.5	61.5	0.0	0.0%	
19.8%	61.2	61.4	0.3	0.4%	
21.0%	61.1	61.1	0.1	0.1%	
22.2%	61.0	61.0	0.0	0.1%	
23.5%	60.6	60.9	0.3	0.5%	
24.7%	60.6	60.6	0.0	0.0%	
25.9%	60.1	60.6	0.5	0.8%	
27.2%	59.8	60.4	0.6	1.0%	
28.4%	60.3	60.6	0.3	0.5%	
29.6%	59.7	60.1	0.4	0.7%	
30.9%	59.6	59.8	0.2	0.3%	
32.1%	59.6	59.6	0.0	0.0%	
33.3%	59.5	59.5	0.0	0.0%	
34.6%	59.4	59.2	-0.2	-0.4%	
35.8%	59.2	59.1	-0.1	-0.2%	
37.0%	59.0	59.0	0.0	-0.2%	
38.3%	58.9	58.9	0.0	0.0%	
39.5%	58.9	58.9	0.0	0.0%	
40.7%	58.8	58.8	-0.1	-0.1%	
42.0%	58.8	58.8	0.0	0.0%	
43.2%	58.7	58.7	0.0	0.0%	
44.4%	58.7	58.2	-0.4	-0.8%	
45.7%	58.2	58.2	0.0	-0.1%	
46.9%	58.2	58.1	-0.1	-0.2%	
48.1%	58.0	58.0	0.0	-0.1%	
49.4%	57.9	57.6	-0.3	-0.6%	
50.6%	57.6	57.6	0.0	0.0%	
51.9%	57.6	57.6	0.0	0.0%	
53.1%	57.6	57.5	-0.1	-0.1%	
54.3%	57.5	57.5	0.0	0.0%	
55.6%	57.5	57.4	-0.1	-0.1%	
56.8%	57.4	57.4	0.0	0.0%	
58.0%	57.4	57.4	0.0	-0.1%	
59.3%	57.2	57.2	0.0	0.0%	
60.5%	57.2	56.9	-0.3	-0.5%	
61.7%	56.8	56.9	0.0	0.0%	
63.0%	56.6	56.6	0.0	0.0%	
64.2%	56.3	56.3	0.0	0.0%	
65.4%	56.1	56.1	0.0	-0.1%	
66.7%	56.1	56.0	-0.1	-0.1%	
67.9%	56.0	55.8	-0.2	-0.3%	
69.1%	55.8	55.7	-0.1	-0.2%	
70.4%	55.7	55.6	-0.1	-0.1%	
71.6%	55.6	55.6	0.0	0.0%	
72.8%	55.6	55.6	0.0	0.0%	
74.1%	55.5	55.5	0.0	0.0%	
75.3%	55.4	55.3	-0.1	-0.1%	
76.5%	55.2	55.2	0.0	0.0%	
77.8%	54.8	54.8	0.0	0.0%	
79.0%	54.7	54.6	-0.1	-0.1%</	

Table SQ11-1b  
American River at the Mouth, Monthly Temperature  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	78.8	78.8	-0.1	-0.1%	
1.2%	76.5	75.1	-1.5	-1.9%	
2.5%	76.1	75.0	-1.1	-1.5%	
3.7%	76.1	74.6	-1.5	-2.0%	
4.9%	75.0	74.2	-0.9	-1.2%	
6.2%	75.0	73.5	-1.5	-2.1%	
7.4%	74.8	73.4	-1.4	-1.8%	
8.6%	74.1	73.0	-1.1	-1.5%	
9.9%	73.9	72.8	-1.1	-1.4%	
11.1%	73.2	72.8	-0.4	-0.5%	
12.3%	73.1	72.3	-0.8	-1.2%	
13.6%	72.9	72.1	-0.9	-1.2%	
14.8%	71.9	72.0	0.1	0.2%	
16.0%	71.6	71.6	0.0	0.0%	
17.3%	71.2	71.3	0.1	0.2%	
18.5%	71.0	71.0	0.0	0.0%	
19.8%	71.0	70.9	-0.1	-0.1%	
21.0%	70.6	70.6	0.0	0.0%	
22.2%	70.6	70.6	0.0	0.1%	
23.5%	70.5	70.2	-0.4	-0.5%	
24.7%	70.1	70.0	-0.1	-0.2%	
25.9%	70.1	69.9	-0.2	-0.3%	
27.2%	70.0	69.8	-0.2	-0.3%	
28.4%	69.8	69.5	-0.3	-0.4%	
29.6%	69.7	69.5	-0.2	-0.3%	
30.9%	69.6	69.3	-0.3	-0.4%	
32.1%	69.4	69.2	-0.2	-0.3%	
33.3%	69.3	69.1	-0.2	-0.3%	
34.6%	69.2	69.1	-0.2	-0.2%	
35.8%	69.2	68.5	-0.6	-0.8%	
37.0%	68.9	68.4	-0.4	-0.6%	
38.3%	68.8	68.4	-0.2	-0.3%	
39.5%	68.6	68.3	-0.2	-0.4%	
40.7%	68.5	68.1	-0.4	-0.6%	
42.0%	68.4	67.8	-0.6	-0.8%	
43.2%	68.3	67.8	-0.5	-0.7%	
44.4%	68.1	67.7	-0.4	-0.5%	
45.7%	67.7	67.6	-0.1	-0.2%	
46.9%	67.5	67.4	-0.2	-0.2%	
48.1%	67.4	67.3	-0.1	-0.2%	
49.4%	67.4	67.1	-0.3	-0.4%	
50.6%	67.3	67.1	-0.2	-0.3%	
51.9%	67.1	67.1	0.0	0.0%	
53.1%	67.1	66.9	-0.2	-0.2%	
54.3%	66.8	66.7	0.0	-0.1%	
55.6%	66.8	66.6	-0.2	-0.3%	
56.8%	66.8	66.2	-0.5	-0.8%	
58.0%	66.7	66.1	-0.6	-0.9%	
59.3%	65.5	65.5	0.0	0.0%	
60.5%	65.3	65.1	-0.2	-0.3%	
61.7%	65.1	65.0	0.0	0.0%	
63.0%	65.0	65.0	0.0	-0.1%	
64.2%	64.9	64.9	0.0	0.0%	
65.4%	64.9	64.9	0.0	0.0%	
66.7%	64.8	64.8	-0.1	-0.1%	
67.9%	64.8	64.6	-0.1	-0.2%	
69.1%	64.6	64.6	0.0	0.0%	
70.4%	64.6	64.6	0.0	0.0%	
71.6%	64.2	64.3	0.0	0.0%	
72.8%	64.2	64.2	0.0	0.0%	
74.1%	64.2	64.2	0.0	0.0%	
75.3%	64.2	64.0	-0.1	-0.2%	
76.5%	64.0	64.0	-0.1	-0.1%	
77.8%	64.0	63.8	-0.2	-0.3%	
79.0%	63.8	63.6	-0.2	-0.3%	
80.2%	63.6	63.6	0.0	-0.1%	
81.5%	63.4	63.4	0.0	0.0%	
82.7%	63.2	63.2	0.0	0.0%	
84.0%	63.2	63.2	0.0	-0.0%	
85.2%	62.9	62.9	0.0	0.0%	
86.4%	62.3	62.3	0.0	0.0%	
87.7%	62.1	62.1	0.0	0.0%	
88.9%	62.0	61.9	-0.1	-0.2%	
90.1%	61.9	61.8	-0.1	-0.1%	
91.4%	61.8	61.7	-0.2	-0.2%	
92.6%	61.8	61.6	-0.2	-0.3%	
93.8%	61.8	61.6	-0.2	-0.3%	
95.1%	59.7	59.5	-0.2	-0.4%	
96.3%	59.7	59.5	-0.2	-0.3%	
97.5%	59.5	59.4	-0.1	-0.2%	
98.8%	59.4	59.2	-0.1	-0.2%	
100.0%	59.4	59.2	-0.1	-0.2%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	82.9	80.8	-2.1	-2.5%	
1.2%	81.2	80.6	-0.6	-0.8%	
2.5%	79.3	76.1	-3.2	-4.1%	
3.7%	78.8	75.9	-2.9	-3.7%	
4.9%	76.9	74.5	-2.4	-3.1%	
6.2%	74.7	74.5	-0.2	-0.2%	
7.4%	74.5	74.0	0.5	0.7%	
8.6%	73.2	74.0	0.8	1.0%	
9.9%	73.1	73.6	0.5	0.7%	
11.1%	72.5	72.7	0.2	0.3%	
12.3%	72.4	72.6	0.2	0.3%	
13.6%	71.9	72.4	0.5	0.7%	
14.8%	71.9	72.4	0.5	0.7%	
16.0%	71.6	72.1	0.5	0.7%	
17.3%	71.5	71.9	0.3	0.4%	
18.5%	71.4	71.7	0.3	0.5%	
19.8%	71.2	71.2	0.0	0.0%	
21.0%	71.0	71.2	0.1	0.2%	
22.2%	70.9	71.0	0.1	0.2%	
23.5%	70.2	70.7	0.5	0.7%	
24.7%	70.2	70.3	0.1	0.2%	
25.9%	69.7	70.1	0.3	0.5%	
27.2%	69.6	70.0	0.4	0.6%	
28.4%	69.5	69.8	0.4	0.5%	
29.6%	69.2	69.7	0.4	0.6%	
30.9%	69.2	69.3	0.1	0.1%	
32.1%	69.1	69.2	0.0	0.1%	
33.3%	69.0	69.0	0.0	0.0%	
34.6%	69.0	69.0	0.0	0.0%	
35.8%	69.0	68.9	-0.1	-0.2%	
37.0%	68.9	68.8	-0.1	-0.1%	
38.3%	68.8	68.8	0.1	0.1%	
39.5%	68.7	68.8	0.1	0.1%	
40.7%	68.7	68.8	0.1	0.1%	
42.0%	68.6	68.7	0.0	0.0%	
43.2%	68.6	68.6	0.0	0.0%	
44.4%	68.6	68.6	0.0	0.0%	
45.7%	68.5	68.4	-0.1	-0.2%	
46.9%	68.5	68.4	-0.1	-0.2%	
48.1%	68.3	68.3	-0.1	-0.2%	
49.4%	68.4	68.3	-0.1	-0.1%	
50.6%	68.3	68.1	-0.3	-0.4%	
51.9%	68.3	68.0	-0.3	-0.4%	
53.1%	68.2	68.0	-0.3	-0.4%	
54.3%	68.2	68.0	-0.2	-0.3%	
55.6%	68.2	68.0	-0.2	-0.3%	
56.8%	68.1	67.9	-0.2	-0.3%	
58.0%	68.1	67.9	-0.3	-0.4%	
59.3%	68.1	67.8	-0.3	-0.4%	
60.5%	68.0	67.6	-0.4	-0.6%	
61.7%	68.0	67.6	-0.4	-0.6%	
63.0%	67.8	67.5	-0.3	-0.4%	
64.2%	67.8	67.5	-0.3	-0.4%	
65.4%	67.7	67.4	-0.3	-0.5%	
66.7%	67.6	67.4	-0.3	-0.4%	
67.9%	67.6	67.3	-0.3	-0.4%	
69.1%	67.5	67.3	-0.3	-0.5%	
70.4%	67.6	67.2	-0.4	-0.6%	
71.6%	67.5	67.1	-0.4	-0.5%	
72.8%	67.3	67.1	-0.2	-0.3%	
74.1%	67.3	67.1	-0.3	-0.4%	
75.3%	67.3	66.8	-0.5	-0.7%	
76.5%	67.3	66.7	-0.6	-1.0%	
77.8%	67.3	66.6	-0.7	-1.0%	
79.0%	67.2	66.6	-0.7	-1.0%	
80.2%	67.2	66.5	-0.8	-1.1%	
81.5%	67.2	66.4	-0.8	-1.2%	
82.7%	67.1	66.3	-0.8	-1.2%	
84.0%	66.9	66.3	-0.7	-1.0%	
85.2%	66.9	66.2	-0.7	-1.1%	
86.4%	66.9	66.1	-0.8	-1.2%	
87.7%	66.9	66.0	-0.8	-1.2%	
88.9%	66.7	66.0	-0.7	-1.1%	
90.1%	66.7	65.9	-0.7	-1.1%	
91.4%	66.5	65.4	-1.1	-1.7%	
92.6%	66.5	65.4	-1.1	-1.7%	
93.8%	66.4	65.2	-1.2	-1.8%	
95.1%	66.3	65.0	-1.3	-2.0%	
96.3%	66.2	65.0	-1.2	-1.8%	
97.5%	65.8	64.7	-1.0	-1.6%	
98.8%	65.6	63.9	-1.7	-2.6%	
100.0%	65.6	63.9	-1.7	-2.6%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	80.9	78.8	-2.8	-3.4%	
1.2%	78.4	76.6	-1.8	-2.3%	
2.5%	78.2	75.5	-2.7	-3.5%	
3.7%	77.9	75.5	-2.4	-3.1%	
4.9%	77.8	75.2	-2.6	-3.3%	
6.2%	77.3	74.5	-2.8	-3.6%	
7.4%	76.7	74.3	-2.3	-3.0%	
8.6%	76.3	74.2	-2.2	-2.8%	
9.9%	76.0	73.4	-2.6	-3.5%	
11.1%	75.9	73.2	-2.6	-3.5%	
12.3%	75.7	73.0	-2.7	-3.6%	
13.6%	75.2	72.2	-2.9	-3.9%	
14.8%	75.1	72.2	-2.9	-3.9%	
16.0%	75.0	71.9	-3.1	-4.1%	
17.3%	73.9	71.9	-2.0	-2.7%	
18.5%	73.6	71.5	-2.1	-2.9%	
19.8%	72.8	71.1	-1.7	-2.3%	
21.0%	72.3	71.0	-1.3	-1.8%	
22.2%	71.8	70.7	-1.1	-1.5%	
23.5%	71.5	70.6	-0.9	-1.2%	
24.7%	71.4	70.5	-0.8	-1.2%	
25.9%	71.2	70.3	-0.9	-1.2%	
27.2%	71.0	70.3	-0.7	-1.0%	
28.4%	70.9	70.2	-0.7	-0.9%	
29.6%	70.7	70.2	-0.5	-0.6%	
30.9%	70.6	70.2	-0.5	-0.7%	
32.1%	70.6	70.1	-0.5	-0.7%	
33.3%	70.5	69.9	-0.7	-0.9%	
34.6%	70.5	69.8	-0.7	-1.0%	
35.8%	70.5	69.8	-0.7	-1.0%	
37.0%	70.4	69.6	-0.8	-1.2%	
38.3%	70.3	69.5	-0.9	-1.2%	
39.5%	70.3	69.5	-0.8	-1.2%	
40.7%	70.3	69.4	-0.9	-1.3%	
42.0%	70.3	69.3	-1.0	-1.4%	
43.2%	70.0	69.2	-0.7	-1.1%	
44.4%	69.9	69.1	-0.8	-1.2%	
45.7%	69.9	69.8	-0.9	-1.4%	
46.9%	69.8	69.8	-1.0	-1.4%	
48.1%	69.8	69.8	-0.8	-1.2%	
49.4%	69.5	69.7	-0.8	-1.2%	
50.6%	69.5	68.4	-1.1	-1.6%	
51.9%	69.5	68.3	-1.2	-1.7%	
53.1%	69.4	68.3	-1.2	-1.7%	
54.3%	69.4	68.2	-1.2	-1.8%	
55.6%	69.4	68.2	-1.2	-1.7%	
56.8%	69.3	67.9	-1.3	-1.9%	
58.0%	69.2	67.9	-1.3	-1.9%	
59.3%	69.2	67.8	-1.4	-2.0%	
60.5%	69.1	67.8	-1.3	-1.9%	
61.7%	68.9	67.7	-1.1	-1.6%	
63.0%	68.8	67.7	-1.1	-1.6%	
64.2%	68.8	67.7	-1.1	-1.6%	
65.4%	68.8	67.6	-1.2	-1.7%	
66.7%	68.7	67.5	-1.2	-1.8%	
67.9%	68.7	67.4	-1.3	-1.9%	
69.1%	68.6	67.3	-1.2	-1.8%	
70.4%	68.4	67.1	-1.3	-1.9%	
71.6%	68.2	66.8	-1.3	-2.0%	
72.8%	68.2	66.7	-1.4	-2.1%	
74.1%	67.6	66.7	-0.9	-1.4%	
75.3%	67.5	66.6	-0.9	-1.4%	
76.5%	67.4	66.6	-0.8	-1.2%	
77.8%	66.9	65.7	-1.3	-1.9%	
79.0%	66.7	65.6	-1.1		

Table SQ11-1b  
American River at the Mouth, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	78.3	78.4	0.1	0.1%	
1.2%	77.2	75.4	-1.9	-2.4%	
2.5%	75.4	74.5	-0.9	-1.2%	
3.7%	75.0	74.1	-0.9	-1.2%	
4.9%	74.6	73.9	-0.7	-1.0%	
6.2%	74.3	73.1	-1.2	-1.6%	
7.4%	74.0	72.7	-1.3	-1.7%	
8.6%	73.8	72.7	-1.1	-1.5%	
9.9%	73.6	72.6	-1.0	-1.4%	
11.1%	73.5	72.3	-1.2	-1.7%	
12.3%	73.5	72.1	-1.4	-1.9%	
13.6%	72.9	71.5	-1.3	-1.8%	
14.8%	72.8	71.4	-1.4	-1.9%	
16.0%	72.4	71.4	-1.0	-1.3%	
17.3%	72.3	71.3	-1.0	-1.4%	
18.5%	72.1	71.3	-0.8	-1.1%	
19.8%	72.0	71.0	-1.0	-1.4%	
21.0%	71.9	71.0	-0.9	-1.3%	
22.2%	71.7	70.5	-1.3	-1.7%	
23.5%	71.6	70.0	-1.6	-2.2%	
24.7%	70.7	69.9	-0.8	-1.1%	
25.9%	70.6	69.7	-0.9	-1.2%	
27.2%	70.1	69.7	-0.4	-0.6%	
28.4%	69.9	69.6	-0.3	-0.4%	
29.6%	69.8	69.5	-0.3	-0.4%	
30.9%	69.8	69.3	-0.4	-0.6%	
32.1%	69.7	69.3	-0.4	-0.6%	
33.3%	69.5	69.2	-0.3	-0.5%	
34.6%	69.1	69.0	-0.1	-0.1%	
35.8%	69.0	68.9	-0.1	-0.2%	
37.0%	69.0	68.7	-0.3	-0.5%	
38.3%	69.0	68.6	-0.4	-0.5%	
39.5%	68.9	68.4	-0.5	-0.7%	
40.7%	68.9	68.2	-0.7	-1.0%	
42.0%	68.7	68.1	-0.6	-0.9%	
43.2%	68.5	68.0	-0.6	-0.8%	
44.4%	68.4	67.9	-0.6	-0.9%	
45.7%	68.2	67.7	-0.5	-0.7%	
46.9%	68.2	67.6	-0.5	-0.8%	
48.1%	68.1	67.6	-0.6	-0.9%	
49.4%	68.1	67.5	-0.5	-0.7%	
50.6%	67.7	67.5	-0.2	-0.3%	
51.9%	67.6	67.4	-0.3	-0.4%	
53.1%	67.6	67.3	-0.3	-0.4%	
54.3%	67.5	67.3	-0.3	-0.4%	
55.6%	67.5	67.2	-0.3	-0.4%	
56.8%	67.4	67.2	-0.2	-0.4%	
58.0%	67.4	67.2	-0.2	-0.3%	
59.3%	67.3	67.2	-0.1	-0.2%	
60.5%	67.3	66.7	-0.6	-0.8%	
61.7%	67.1	66.6	-0.6	-0.8%	
63.0%	67.1	66.5	-0.6	-0.9%	
64.2%	67.1	66.4	-0.6	-0.9%	
65.4%	67.0	66.3	-0.7	-1.0%	
66.7%	66.9	66.2	-0.7	-1.0%	
67.9%	66.8	66.1	-0.7	-1.1%	
69.1%	66.8	66.1	-0.8	-1.1%	
70.4%	66.8	66.0	-0.8	-1.3%	
71.6%	66.6	65.9	-0.7	-1.1%	
72.8%	66.6	65.9	-0.7	-1.0%	
74.1%	66.6	65.9	-0.7	-1.0%	
75.3%	66.5	65.8	-0.7	-1.0%	
76.5%	66.3	65.8	-0.5	-0.7%	
77.8%	66.0	65.8	-0.2	-0.3%	
79.0%	65.9	65.7	-0.2	-0.4%	
80.2%	65.9	65.5	-0.4	-0.6%	
81.5%	65.7	65.3	-0.4	-0.6%	
82.7%	65.6	65.3	-0.3	-0.5%	
84.0%	65.6	65.3	-0.3	-0.5%	
85.2%	65.5	65.2	-0.3	-0.5%	
86.4%	64.9	65.0	0.1	0.2%	
87.7%	64.8	64.8	0.1	0.1%	
88.9%	64.7	64.3	-0.4	-0.6%	
90.1%	64.6	64.2	-0.4	-0.7%	
91.4%	64.5	64.1	-0.4	-0.7%	
92.6%	64.5	64.1	-0.4	-0.6%	
93.8%	64.5	63.9	-0.6	-0.9%	
95.1%	63.9	63.8	-0.1	-0.1%	
96.3%	63.5	63.5	0.0	0.0%	
97.5%	63.4	62.7	-0.7	-1.1%	
98.8%	63.2	62.6	-0.6	-0.9%	
100.0%	62.7	62.1	-0.6	-1.0%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	78.1	78.2	0.1	0.1%	
1.2%	78.0	75.5	-2.5	-3.2%	
2.5%	76.1	74.9	-1.2	-1.6%	
3.7%	75.2	73.9	-1.3	-1.7%	
4.9%	75.0	73.8	-1.1	-1.5%	
6.2%	74.7	73.6	-1.0	-1.4%	
7.4%	74.2	73.5	-0.7	-1.0%	
8.6%	74.1	73.4	-0.6	-0.9%	
9.9%	74.1	72.6	-1.4	-1.9%	
11.1%	73.6	72.4	-1.2	-1.6%	
12.3%	73.3	72.2	-1.1	-1.5%	
13.6%	73.3	71.7	-1.6	-2.1%	
14.8%	73.1	71.7	-1.5	-2.0%	
16.0%	73.0	71.4	-1.7	-2.3%	
17.3%	72.6	71.3	-1.3	-1.8%	
18.5%	72.5	71.1	-1.4	-1.9%	
19.8%	72.4	71.0	-1.4	-2.0%	
21.0%	72.4	70.5	-1.8	-2.5%	
22.2%	71.4	70.1	-1.2	-1.7%	
23.5%	70.8	70.1	-0.7	-1.0%	
24.7%	70.8	69.8	-1.0	-1.4%	
25.9%	70.4	69.7	-0.7	-1.0%	
27.2%	70.2	69.7	-0.5	-0.8%	
28.4%	69.9	69.6	-0.3	-0.4%	
29.6%	69.8	69.6	-0.2	-0.3%	
30.9%	69.5	69.5	0.0	0.0%	
32.1%	69.5	69.5	-0.1	-0.1%	
33.3%	69.4	69.3	-0.2	-0.2%	
34.6%	69.4	68.9	-0.5	-0.7%	
35.8%	69.2	68.8	-0.4	-0.6%	
37.0%	69.1	68.8	-0.3	-0.5%	
38.3%	69.1	68.8	-0.3	-0.5%	
39.5%	69.0	68.5	-0.5	-0.7%	
40.7%	69.0	68.3	-0.7	-1.0%	
42.0%	68.8	68.2	-0.6	-0.8%	
43.2%	68.8	67.8	-0.9	-1.4%	
44.4%	68.5	67.8	-0.7	-1.0%	
45.7%	68.4	67.8	-0.6	-0.9%	
46.9%	68.3	67.8	-0.6	-0.9%	
48.1%	68.3	67.5	-0.8	-1.2%	
49.4%	68.2	67.5	-0.7	-1.1%	
50.6%	68.1	67.4	-0.7	-1.0%	
51.9%	68.0	67.3	-0.7	-1.0%	
53.1%	67.9	67.3	-0.6	-0.9%	
54.3%	67.9	67.3	-0.6	-0.9%	
55.6%	67.9	67.3	-0.6	-0.8%	
56.8%	67.8	67.3	-0.5	-0.8%	
58.0%	67.8	67.2	-0.7	-1.0%	
59.3%	67.8	67.1	-0.8	-1.1%	
60.5%	67.8	67.0	-0.8	-1.1%	
61.7%	67.6	66.9	-0.7	-1.1%	
63.0%	67.6	66.9	-0.7	-1.1%	
64.2%	67.5	66.9	-0.6	-0.9%	
65.4%	67.5	66.9	-0.6	-0.9%	
66.7%	67.4	66.7	-0.7	-1.1%	
67.9%	67.4	66.7	-0.7	-1.1%	
69.1%	67.3	66.8	-0.7	-1.0%	
70.4%	67.3	66.6	-0.7	-1.1%	
71.6%	67.3	66.5	-0.7	-1.1%	
72.8%	67.1	66.5	-0.6	-0.9%	
74.1%	67.1	66.4	-0.6	-0.9%	
75.3%	67.0	66.4	-0.6	-0.9%	
76.5%	66.9	66.4	-0.5	-0.8%	
77.8%	66.8	66.3	-0.5	-0.7%	
79.0%	66.5	66.2	-0.3	-0.5%	
80.2%	66.5	66.1	-0.4	-0.7%	
81.5%	66.4	66.0	-0.3	-0.5%	
82.7%	66.3	66.0	-0.4	-0.6%	
84.0%	66.2	65.9	-0.2	-0.4%	
85.2%	66.1	65.9	-0.2	-0.3%	
86.4%	65.9	65.8	0.0	0.0%	
87.7%	65.7	65.6	-0.1	-0.1%	
88.9%	65.6	65.4	-0.2	-0.3%	
90.1%	65.5	65.0	-0.5	-0.8%	
91.4%	65.4	64.9	-0.5	-0.7%	
92.6%	65.4	64.9	-0.5	-0.8%	
93.8%	65.4	64.8	-0.5	-0.8%	
95.1%	65.3	64.7	-0.6	-0.9%	
96.3%	64.8	64.5	-0.3	-0.5%	
97.5%	64.8	63.9	-0.9	-1.4%	
98.8%	64.3	63.6	-0.7	-1.1%	
100.0%	63.8	63.0	-0.8	-1.2%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	77.8	76.9	-0.8	-1.1%	
1.2%	76.6	74.6	-2.0	-2.6%	
2.5%	76.5	74.3	-2.2	-2.8%	
3.7%	75.5	73.6	-1.9	-2.5%	
4.9%	75.1	73.2	-1.9	-2.6%	
6.2%	74.6	73.0	-1.6	-2.1%	
7.4%	74.6	73.0	-1.6	-2.1%	
8.6%	74.4	72.9	-1.5	-2.0%	
9.9%	74.3	72.5	-1.8	-2.4%	
11.1%	74.2	72.4	-1.8	-2.4%	
12.3%	74.1	72.3	-1.8	-2.4%	
13.6%	73.8	71.6	-2.3	-3.1%	
14.8%	73.4	71.3	-2.1	-2.9%	
16.0%	73.4	71.1	-2.3	-3.1%	
17.3%	72.7	71.0	-1.7	-2.3%	
18.5%	72.2	70.8	-1.4	-1.9%	
19.8%	72.1	70.7	-1.4	-1.9%	
21.0%	72.1	70.2	-1.9	-2.6%	
22.2%	71.2	70.1	-1.1	-1.5%	
23.5%	71.2	69.9	-1.2	-1.7%	
24.7%	71.1	69.9	-1.2	-1.7%	
25.9%	71.0	69.9	-1.2	-1.7%	
27.2%	70.7	69.7	-1.0	-1.4%	
28.4%	70.3	69.5	-0.7	-1.1%	
29.6%	70.1	69.5	-0.6	-0.9%	
30.9%	70.0	69.3	-0.7	-1.0%	
32.1%	69.7	69.2	-0.5	-0.7%	
33.3%	69.7	69.0	-0.6	-0.9%	
34.6%	69.5	68.8	-0.7	-1.0%	
35.8%	69.5	68.8	-0.7	-1.0%	
37.0%	69.4	68.7	-0.8	-1.1%	
38.3%	69.4	68.7	-0.7	-1.0%	
39.5%	69.3	68.7	-0.7	-1.0%	
40.7%	69.3	68.4	-0.9	-1.3%	
42.0%	69.2	68.3	-0.9	-1.3%	
43.2%	68.8	68.3	-0.5	-0.8%	
44.4%	68.8	68.0	-0.8	-1.1%	
45.7%	68.7	68.0	-0.7	-1.0%	
46.9%	68.6	67.7	-1.0	-1.4%	
48.1%	68.6	67.6	-1.0	-1.4%	
49.4%	68.6	67.5	-1.0	-1.5%	
50.6%	68.6	67.5	-1.1	-1.6%	
51.9%	68.5	67.5	-1.1	-1.6%	
53.1%	68.5	67.4	-1.0	-1.5%	
54.3%	68.3	67.4	-0.8	-1.2%	
55.6%	68.1	67.4	-0.7	-1.1%	
56.8%	68.1	67.2	-0.9	-1.3%	
58.0%	68.0	67.2	-0.8	-1.2%	
59.3%	67.8	67.1	-0.6	-1.0%	
60.5%	67.8	67.1	-0.7	-1.0%	
61.7%	67.7	67.0	-0.6	-0.9%	
63.0%	67.6	67.0	-0.6	-0.9%	
64.2%	67.6	66.8	-0.8	-1.2%	
65.4%	67.6	66.7	-0.8	-1.2%	
66.7%	67.3	66.5	-0.8	-1.2%	
67.9%	67.2	66.3	-0.8	-1.2%	
69.1%	67.0	66.3	-0.7	-1.1%	
70.4%	67.0	66.2	-0.8	-1.1%	
71.6%	66.7	66.1	-0.6	-0.9%	
72.8%	66.6	66.0	-0.6	-0.9%	
74.1%	66.5	66.0	-0.6	-0.9%	
75.3%	66.4	66.0	-0.5	-0.7%	
76.5%	66.3	65.8	-0.5	-0.8%	
77.8%</					

Table SQ12-1a  
Trinity River below Lewiston Dam, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	51.5	50.4	48.6	47.2	47.2	49.3	50.2	46.7	49.8	51.1	51.4	51.5
DCR 2015 With Project	51.6	50.7	48.5	47.3	47.4	49.1	50.3	46.8	49.8	51.0	51.2	51.4
Difference	0.1	0.3	-0.2	0.1	0.2	-0.2	0.1	0.0	0.0	-0.1	-0.2	-0.1
Percent Difference <sup>3</sup>	0.1%	0.7%	-0.3%	0.1%	0.4%	-0.3%	0.2%	0.0%	0.0%	-0.1%	-0.4%	-0.1%
Water Year Types <sup>2</sup>												
Wet (22%)												
DCR 2015 Without Project	49.6	49.6	48.5	45.8	45.8	47.5	48.6	45.4	47.2	50.3	50.6	49.7
DCR 2015 With Project	49.7	49.8	48.4	45.8	46.0	47.4	48.8	45.4	47.2	50.2	50.3	49.7
Difference	0.0	0.1	-0.1	-0.1	0.2	-0.1	0.2	0.0	0.0	-0.1	-0.3	0.0
Percent Difference	0.1%	0.3%	-0.2%	-0.1%	0.4%	-0.1%	0.4%	0.0%	0.0%	-0.1%	-0.6%	0.0%
Above Normal (15%)												
DCR 2015 Without Project	50.7	49.5	49.3	46.7	46.5	49.0	50.0	45.4	48.5	50.7	50.6	50.3
DCR 2015 With Project	50.6	50.1	48.4	46.8	46.8	49.1	50.0	45.4	48.5	50.7	50.2	50.4
Difference	-0.1	0.6	-0.9	0.1	0.3	0.1	0.0	0.0	-0.1	0.0	-0.4	0.1
Percent Difference	-0.2%	1.3%	-1.8%	0.3%	0.6%	0.1%	-0.1%	0.0%	-0.1%	0.0%	-0.8%	0.2%
Below Normal (17%)												
DCR 2015 Without Project	52.1	49.8	47.5	47.5	47.1	49.2	50.5	46.4	50.6	51.1	51.4	52.0
DCR 2015 With Project	51.8	49.9	47.3	47.7	47.2	49.0	50.7	46.4	50.8	51.3	51.7	51.5
Difference	-0.4	0.1	-0.2	0.1	0.1	-0.2	0.2	0.0	0.1	0.1	0.3	-0.6
Percent Difference	-0.7%	0.2%	-0.5%	0.3%	0.2%	-0.4%	0.4%	0.0%	0.2%	0.3%	0.5%	-1.1%
Dry (22%)												
DCR 2015 Without Project	52.5	51.6	48.9	48.3	48.5	50.6	51.5	47.8	51.1	51.1	51.6	52.0
DCR 2015 With Project	52.7	51.6	48.5	48.4	48.8	50.3	51.5	47.8	51.2	51.0	51.4	51.9
Difference	0.2	0.0	-0.4	0.1	0.2	-0.3	0.0	0.0	0.2	-0.2	-0.2	-0.1
Percent Difference	0.3%	0.0%	-0.8%	0.2%	0.5%	-0.5%	0.0%	0.0%	0.3%	-0.4%	-0.3%	-0.2%
Critical (15%)												
DCR 2015 Without Project	54.3	51.6	49.2	48.7	49.4	51.8	51.2	49.8	53.9	52.9	53.6	55.1
DCR 2015 With Project	54.9	52.9	49.9	48.8	49.5	51.3	51.4	49.9	53.6	52.7	53.3	55.2
Difference	0.6	1.3	0.8	0.1	0.1	-0.4	0.2	0.1	-0.3	-0.1	-0.4	0.1
Percent Difference	1.0%	2.6%	1.6%	0.2%	0.2%	-0.9%	0.3%	0.2%	-0.5%	-0.2%	-0.7%	0.2%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

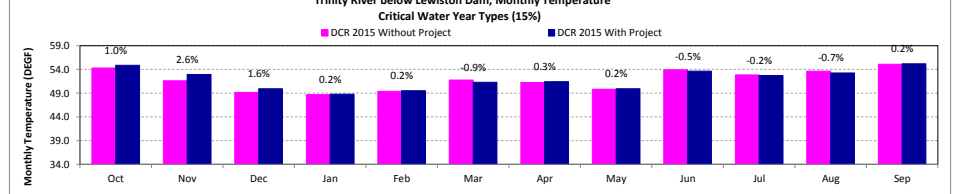
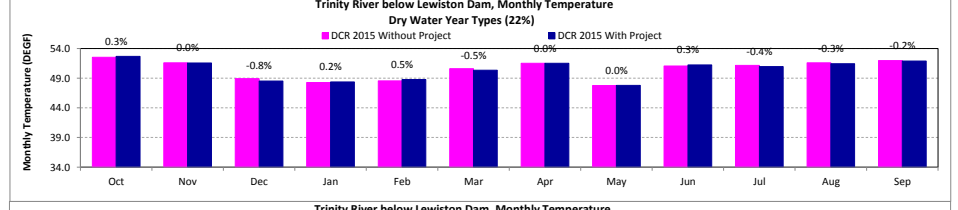
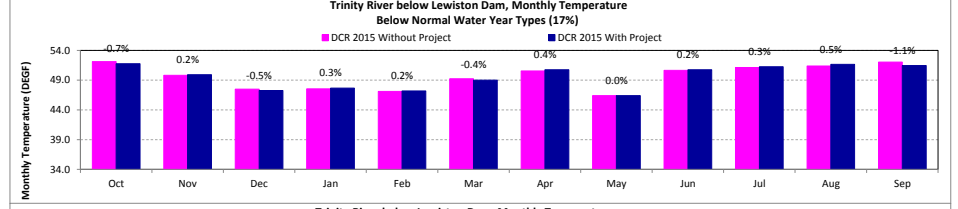
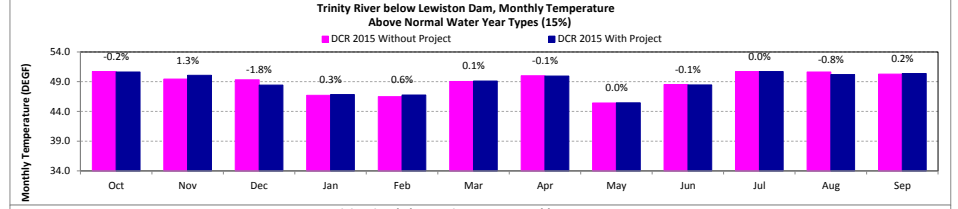
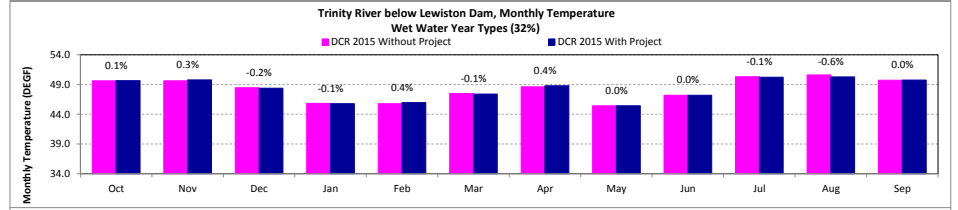
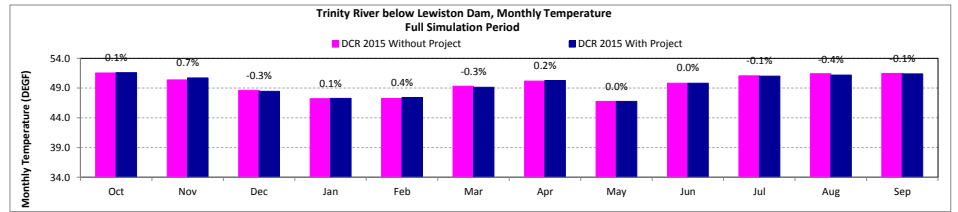


Figure SQ12-1b  
Trinity River below Lewiston Dam, Monthly Temperature  
Probability of Exceedance

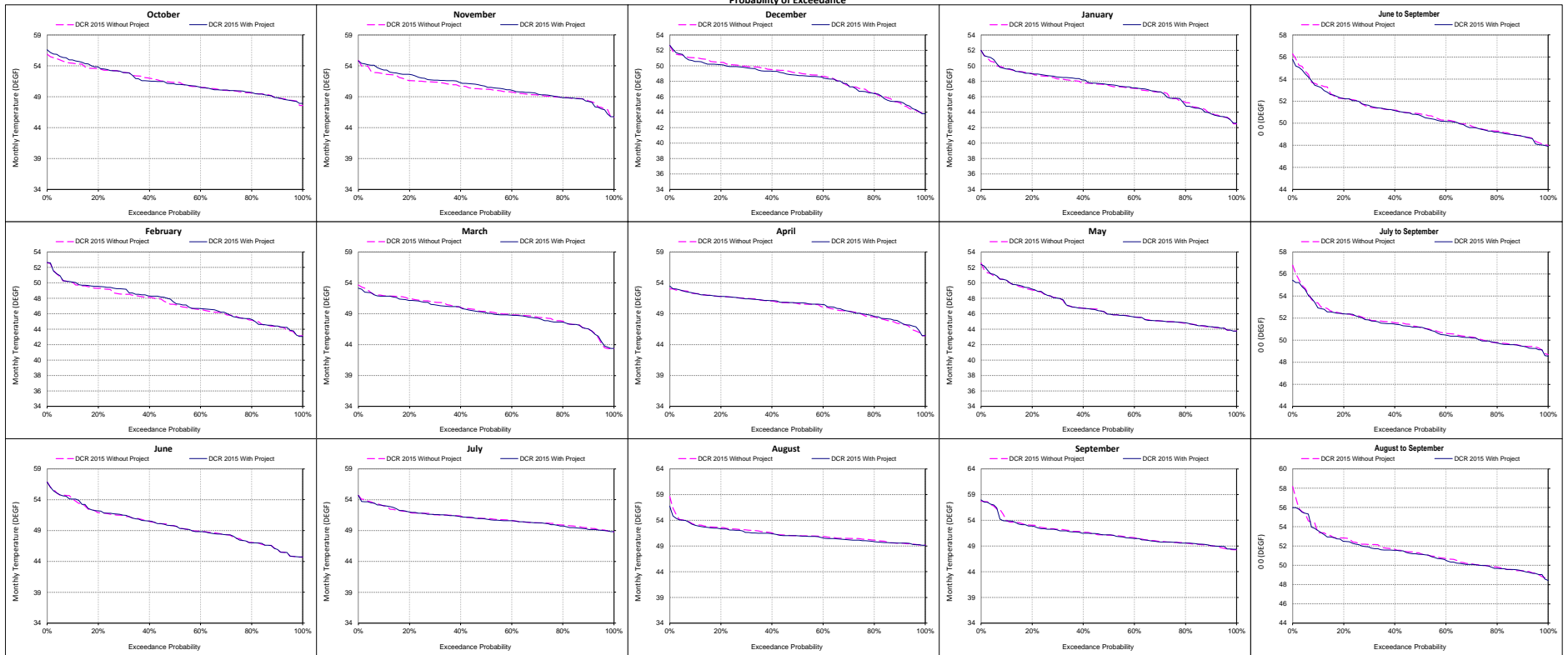


Table SQ12-1b  
Trinity River below Lewiston Dam, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.9	56.9	0.7	1.3%	
1.2%	55.5	56.2	0.7	1.2%	
2.5%	55.3	55.9	0.6	1.0%	
3.7%	55.2	55.9	0.7	1.3%	
4.9%	55.0	55.5	0.6	1.0%	
6.2%	54.8	55.4	0.6	1.1%	
7.4%	54.6	55.3	0.7	1.4%	
8.6%	54.5	55.0	0.5	0.9%	
9.9%	54.4	54.9	0.5	0.9%	
11.1%	54.3	54.8	0.5	0.9%	
12.3%	54.3	54.7	0.4	0.8%	
13.6%	54.3	54.6	0.3	0.5%	
14.8%	53.8	54.4	0.5	1.0%	
16.0%	53.6	54.3	0.7	1.3%	
17.3%	53.6	54.0	0.4	0.8%	
18.5%	53.6	53.8	0.3	0.5%	
19.8%	53.5	53.8	0.3	0.6%	
21.0%	53.4	53.5	0.1	0.2%	
22.2%	53.3	53.5	0.2	0.3%	
23.5%	53.3	53.4	0.1	0.2%	
24.7%	53.3	53.2	0.0	-0.1%	
25.9%	53.2	53.2	0.0	-0.1%	
27.2%	53.2	53.2	0.0	0.0%	
28.4%	53.0	53.1	0.1	0.2%	
29.6%	52.9	52.9	0.0	0.0%	
30.9%	52.9	52.9	0.0	0.0%	
32.1%	52.9	52.8	0.0	0.0%	
33.3%	52.5	52.5	0.0	0.0%	
34.6%	52.4	51.9	-0.4	-0.8%	
35.8%	52.4	51.9	-0.5	-0.9%	
37.0%	52.3	51.6	-0.7	-1.3%	
38.3%	52.1	51.6	-0.5	-1.0%	
39.5%	52.0	51.5	-0.5	-1.0%	
40.7%	51.9	51.5	-0.4	-0.8%	
42.0%	51.8	51.5	-0.3	-0.6%	
43.2%	51.7	51.5	-0.2	-0.5%	
44.4%	51.6	51.5	-0.1	-0.2%	
45.7%	51.5	51.5	0.0	-0.2%	
46.9%	51.5	51.2	-0.3	-0.5%	
48.1%	51.4	51.1	-0.3	-0.4%	
49.4%	51.3	51.1	-0.2	-0.4%	
50.6%	51.3	51.0	-0.3	-0.6%	
51.9%	51.3	51.0	-0.3	-0.6%	
53.1%	51.0	50.9	-0.1	-0.2%	
54.3%	50.9	50.9	0.1	0.1%	
55.6%	50.7	50.8	0.1	0.2%	
56.8%	50.7	50.8	0.1	0.2%	
58.0%	50.7	50.8	0.1	0.2%	
59.3%	50.6	50.6	0.0	0.1%	
60.5%	50.5	50.5	0.0	0.0%	
61.7%	50.5	50.4	-0.1	-0.1%	
63.0%	50.3	50.4	0.1	0.1%	
64.2%	50.3	50.3	-0.1	-0.1%	
65.4%	50.3	50.1	-0.2	-0.3%	
66.7%	50.2	50.1	-0.1	-0.2%	
67.9%	50.1	50.1	0.0	0.1%	
69.1%	50.0	50.1	0.0	0.1%	
70.4%	50.0	50.1	0.1	0.1%	
71.6%	50.0	50.0	0.0	0.1%	
72.8%	50.0	50.0	0.0	0.1%	
74.1%	49.9	50.0	0.1	0.1%	
75.3%	49.8	50.0	0.2	0.3%	
76.5%	49.8	49.9	0.1	0.3%	
77.8%	49.7	49.8	0.1	0.2%	
79.0%	49.6	49.7	0.1	0.2%	
80.2%	49.6	49.7	0.1	0.1%	
81.5%	49.5	49.5	0.0	-0.1%	
82.7%	49.5	49.5	0.0	0.0%	
84.0%	49.5	49.4	0.0	0.0%	
85.2%	49.4	49.3	-0.1	-0.2%	
86.4%	49.3	49.2	-0.1	-0.2%	
87.7%	49.2	49.2	0.0	0.0%	
88.9%	49.0	49.0	-0.1	-0.2%	
90.1%	48.9	48.8	0.0	0.1%	
91.4%	48.7	48.7	0.0	0.1%	
92.6%	48.7	48.6	-0.1	-0.3%	
93.8%	48.6	48.5	-0.1	-0.2%	
95.1%	48.4	48.4	0.0	0.0%	
96.3%	48.4	48.3	-0.1	-0.1%	
97.5%	48.3	48.2	-0.1	-0.2%	
98.8%	47.6	47.9	0.3	0.7%	
100.0%	47.6	47.9	0.3	0.7%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.9	54.8	-0.1	-0.2%	
1.2%	54.0	54.4	0.4	0.7%	
2.5%	54.0	54.3	0.4	0.7%	
3.7%	54.0	54.2	0.2	0.5%	
4.9%	53.1	54.1	1.0	1.9%	
6.2%	52.8	54.1	1.2	2.2%	
7.4%	52.9	53.7	0.8	1.4%	
8.6%	52.8	53.5	0.7	1.3%	
9.9%	52.7	53.3	0.6	1.2%	
11.1%	52.6	53.3	0.7	1.3%	
12.3%	52.6	53.0	0.4	0.8%	
13.6%	52.6	52.9	0.3	0.7%	
14.8%	52.5	52.9	0.4	0.8%	
16.0%	52.1	52.7	0.6	1.1%	
17.3%	52.0	52.6	0.7	1.3%	
18.5%	51.7	52.6	0.9	1.7%	
19.8%	51.6	52.6	1.0	1.9%	
21.0%	51.6	52.6	1.0	1.9%	
22.2%	51.6	52.4	0.8	1.6%	
23.5%	51.5	52.2	0.7	1.3%	
24.7%	51.5	52.0	0.5	1.0%	
25.9%	51.4	52.0	0.6	1.1%	
27.2%	51.4	51.9	0.5	0.8%	
28.4%	51.4	51.7	0.3	0.6%	
29.6%	51.4	51.7	0.3	0.6%	
30.9%	51.4	51.7	0.3	0.6%	
32.1%	51.3	51.7	0.4	0.7%	
33.3%	51.2	51.6	0.4	0.8%	
34.6%	51.1	51.6	0.5	1.0%	
35.8%	51.0	51.6	0.6	1.1%	
37.0%	50.9	51.6	0.6	1.2%	
38.3%	50.9	51.6	0.6	1.2%	
39.5%	50.7	51.3	0.6	1.2%	
40.7%	50.7	51.2	0.5	0.9%	
42.0%	50.8	51.2	0.5	1.0%	
43.2%	50.4	51.1	0.7	1.3%	
44.4%	50.4	51.1	0.7	1.4%	
45.7%	50.3	51.0	0.7	1.4%	
46.9%	50.3	50.9	0.6	1.3%	
48.1%	50.2	50.8	0.6	1.1%	
49.4%	50.2	50.7	0.5	1.0%	
50.6%	50.2	50.5	0.3	0.7%	
51.9%	50.2	50.5	0.4	0.7%	
53.1%	50.1	50.4	0.4	0.7%	
54.3%	50.0	50.4	0.4	0.8%	
55.6%	50.0	50.3	0.4	0.7%	
56.8%	49.8	50.2	0.4	0.8%	
58.0%	49.8	50.1	0.3	0.6%	
59.3%	49.8	50.1	0.3	0.6%	
60.5%	49.7	50.0	0.2	0.5%	
61.7%	49.6	49.8	0.2	0.4%	
63.0%	49.5	49.8	0.3	0.6%	
64.2%	49.5	49.8	0.3	0.6%	
65.4%	49.4	49.7	0.3	0.6%	
66.7%	49.4	49.7	0.3	0.7%	
67.9%	49.3	49.7	0.3	0.7%	
69.1%	49.3	49.6	0.3	0.6%	
70.4%	49.3	49.4	0.1	0.3%	
71.6%	49.2	49.3	0.1	0.2%	
72.8%	49.1	49.3	0.2	0.4%	
74.1%	49.1	49.3	0.2	0.4%	
75.3%	49.1	49.2	0.1	0.2%	
76.5%	49.0	49.1	0.1	0.3%	
77.8%	49.0	49.0	0.0	0.0%	
79.0%	48.9	48.9	0.0	0.0%	
80.2%	48.9	48.9	0.0	0.0%	
81.5%	48.9	48.8	0.0	0.0%	
82.7%	48.8	48.8	0.0	0.0%	
84.0%	48.7	48.8	0.1	0.1%	
85.2%	48.7	48.7	0.0	-0.1%	
86.4%	48.7	48.7	-0.1	-0.1%	
87.7%	48.6	48.6	0.0	0.0%	
88.9%	48.6	48.3	-0.3	-0.6%	
90.1%	48.3	48.2	0.0	-0.1%	
91.4%	48.2	48.1	-0.1	-0.2%	
92.6%	48.0	47.4	-0.6	-1.2%	
93.8%	47.4	47.3	-0.1	-0.2%	
95.1%	47.3	47.0	-0.3	-0.6%	
96.3%	47.0	46.9	-0.1	-0.2%	
97.5%	46.9	46.2	-0.7	-1.4%	
98.8%	45.7	45.8	0.1	0.2%	
100.0%	45.7	45.8	0.1	0.2%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.7	52.7	0.0	0.0%	
1.2%	51.9	52.1	0.3	0.5%	
2.5%	51.5	51.7	0.2	0.4%	
3.7%	51.4	51.6	0.1	0.3%	
4.9%	51.4	51.5	0.1	0.2%	
6.2%	51.2	51.0	-0.2	-0.4%	
7.4%	51.1	50.8	-0.3	-0.6%	
8.6%	51.1	50.7	-0.4	-0.7%	
9.9%	51.0	50.6	-0.5	-0.9%	
11.1%	51.0	50.6	-0.4	-0.9%	
12.3%	50.9	50.5	-0.4	-0.8%	
13.6%	50.9	50.4	-0.5	-1.0%	
14.8%	50.8	50.2	-0.6	-1.2%	
16.0%	50.6	50.2	-0.3	-0.7%	
17.3%	50.5	50.2	-0.3	-0.6%	
18.5%	50.5	50.2	-0.3	-0.6%	
19.8%	50.5	50.2	-0.3	-0.6%	
21.0%	50.4	50.1	-0.3	-0.7%	
22.2%	50.2	50.0	-0.3	-0.5%	
23.5%	50.2	49.9	-0.3	-0.5%	
24.7%	50.1	49.9	-0.2	-0.5%	
25.9%	50.1	49.9	-0.2	-0.4%	
27.2%	50.1	49.9	-0.2	-0.4%	
28.4%	50.0	49.8	-0.2	-0.5%	
29.6%	50.0	49.8	-0.2	-0.4%	
30.9%	49.9	49.7	-0.2	-0.4%	
32.1%	49.9	49.7	-0.2	-0.4%	
33.3%	49.9	49.6	-0.2	-0.4%	
34.6%	49.8	49.4	-0.4	-0.8%	
35.8%	49.7	49.4	-0.4	-0.7%	
37.0%	49.7	49.3	-0.4	-0.8%	
38.3%	49.6	49.3	-0.3	-0.6%	
39.5%	49.5	49.2	-0.3	-0.6%	
40.7%	49.5	49.3	-0.2	-0.4%	
42.0%	49.5	49.3	-0.2	-0.4%	
43.2%	49.4	49.1	-0.3	-0.6%	
44.4%	49.4	49.1	-0.3	-0.6%	
45.7%	49.4	49.0	-0.4	-0.8%	
46.9%	49.3	48.9	-0.4	-0.8%	
48.1%	49.2	48.8	-0.3	-0.7%	
49.4%	49.1	48.8	-0.3	-0.6%	
50.6%	49.1	48.7	-0.4	-0.8%	
51.9%	49.0	48.7	-0.3	-0.5%	
53.1%	48.9	48.7	-0.3	-0.5%	
54.3%	48.9	48.7	-0.2	-0.5%	
55.6%	48.8	48.6	-0.2	-0.4%	
56.8%	48.8	48.6	-0.2	-0.4%	
58.0%	48.8	48.6	-0.2	-0.5%	
59.3%	48.7	48.6	-0.1	-0.2%	
60.5%	48.6	48.4	-0.3	-0.6%	
61.7%	48.5	48.3	-0.2	-0.4%	
63.0%	48.5	48.3	-0.2	-0.4%	
64.2%	48.3	48.3	0.0	-0.1%	
65.4%	48.1	48.1	0.0	-0.1%	
66.7%	47.9	48.1	0.1	0.3%	
67.9%	47.8	47.7	0.0	-0.1%	
69.1%	47.5	47.7	0.2	0.4%	
70.4%	47.4	47.3	-0.1	-0.3%	
71.6%	47.3	47.3	0.0	0.1%	
72.8%	47.3	47.1	-0.2	-0.5%	
74.1%	47.1	46.7	-0.4	-0.8%	
75.3%	47.1	46.7	-0.3	-0.7%	
76.5%	47.0	46.7	-0.3	-0.6%	
77.8%	46.6	46.5	-0.1	-0.2%	
79.0%	46.5	46.5	0.0		

Table SQ12-1b  
Trinity River below Lewiston Dam, Monthly Temperature

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	52.6	52.6	0.0	0.0%	
1.2%	52.5	52.6	0.1	0.2%	
2.5%	51.6	51.5	-0.1	-0.2%	
3.7%	51.2	51.2	0.0	0.0%	
4.9%	50.8	50.9	0.1	0.3%	
6.2%	50.3	50.3	0.0	0.0%	
7.4%	50.2	50.2	0.0	0.0%	
8.6%	50.1	50.2	0.1	0.2%	
9.9%	50.1	50.1	0.0	0.0%	
11.1%	49.7	50.0	0.3	0.7%	
12.3%	49.7	49.8	0.1	0.1%	
13.6%	49.6	49.7	0.1	0.2%	
14.8%	49.6	49.7	0.1	0.1%	
16.0%	49.5	49.7	0.2	0.3%	
17.3%	49.4	49.6	0.2	0.3%	
18.5%	49.3	49.6	0.3	0.5%	
19.8%	49.3	49.5	0.2	0.5%	
21.0%	49.3	49.5	0.2	0.4%	
22.2%	49.2	49.5	0.3	0.6%	
23.5%	49.2	49.4	0.3	0.5%	
24.7%	49.1	49.4	0.3	0.5%	
25.9%	48.7	49.3	0.6	1.2%	
27.2%	48.6	49.2	0.6	1.3%	
28.4%	48.6	49.2	0.7	1.4%	
29.6%	48.5	49.2	0.7	1.4%	
30.9%	48.5	49.2	0.6	1.3%	
32.1%	48.5	48.7	0.2	0.4%	
33.3%	48.4	48.7	0.3	0.6%	
34.6%	48.3	48.5	0.2	0.3%	
35.8%	48.3	48.5	0.2	0.5%	
37.0%	48.2	48.5	0.3	0.5%	
38.3%	48.1	48.4	0.3	0.7%	
39.5%	48.1	48.3	0.2	0.4%	
40.7%	48.1	48.3	0.2	0.4%	
42.0%	48.0	48.3	0.3	0.6%	
43.2%	47.9	48.3	0.3	0.7%	
44.4%	47.9	48.2	0.3	0.5%	
45.7%	47.6	48.1	0.5	1.1%	
46.9%	47.4	48.0	0.6	1.2%	
48.1%	47.2	47.9	0.7	1.4%	
49.4%	47.2	47.6	0.3	0.7%	
50.6%	47.1	47.3	0.1	0.3%	
51.9%	47.0	47.2	0.2	0.5%	
53.1%	46.9	47.1	0.3	0.6%	
54.3%	46.8	47.1	0.3	0.6%	
55.6%	46.7	46.8	0.1	0.3%	
56.8%	46.7	46.7	0.0	0.0%	
58.0%	46.6	46.7	0.1	0.2%	
59.3%	46.6	46.7	0.1	0.2%	
60.5%	46.5	46.7	0.1	0.3%	
61.7%	46.4	46.6	0.2	0.4%	
63.0%	46.3	46.6	0.2	0.5%	
64.2%	46.3	46.5	0.3	0.6%	
65.4%	46.2	46.5	0.3	0.7%	
66.7%	46.2	46.4	0.2	0.4%	
67.9%	46.2	46.2	0.0	0.1%	
69.1%	46.0	46.2	0.2	0.3%	
70.4%	45.8	46.0	0.2	0.5%	
71.6%	45.8	45.8	0.0	0.0%	
72.8%	45.8	45.6	-0.2	-0.4%	
74.1%	45.6	45.5	-0.1	-0.2%	
75.3%	45.5	45.4	-0.1	-0.1%	
76.5%	45.4	45.4	0.0	0.0%	
77.8%	45.4	45.4	0.0	0.0%	
79.0%	45.2	45.4	0.2	0.4%	
80.2%	45.2	45.3	0.1	0.2%	
81.5%	45.0	44.9	-0.1	-0.1%	
82.7%	45.0	44.6	-0.3	-0.8%	
84.0%	44.6	44.6	0.0	0.0%	
85.2%	44.5	44.6	0.1	0.2%	
86.4%	44.5	44.5	0.0	0.1%	
87.7%	44.4	44.5	0.1	0.3%	
88.9%	44.4	44.4	0.0	0.1%	
90.1%	44.3	44.4	0.1	0.2%	
91.4%	44.2	44.3	0.1	0.2%	
92.6%	44.2	44.2	0.0	0.0%	
93.8%	43.8	44.2	0.4	0.9%	
95.1%	43.8	43.9	0.1	0.2%	
96.3%	43.7	43.8	0.1	0.3%	
97.5%	43.2	43.2	0.0	0.0%	
98.8%	43.1	43.1	-0.1	-0.2%	
100.0%	43.1	43.1	-0.1	-0.2%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.6	53.1	-0.5	-1.0%	
1.2%	53.3	53.0	-0.4	-0.7%	
2.5%	53.1	52.5	-0.6	-1.2%	
3.7%	52.8	52.5	-0.4	-0.7%	
4.9%	52.4	52.4	0.0	0.0%	
6.2%	52.1	52.1	0.0	0.0%	
7.4%	52.0	51.9	-0.1	-0.2%	
8.6%	52.0	51.8	-0.2	-0.3%	
9.9%	51.9	51.8	0.0	0.1%	
11.1%	51.9	51.8	0.0	0.0%	
12.3%	51.8	51.8	0.0	0.0%	
13.6%	51.8	51.7	-0.1	-0.3%	
14.8%	51.8	51.6	-0.2	-0.3%	
16.0%	51.8	51.4	-0.4	-0.8%	
17.3%	51.7	51.3	-0.4	-0.8%	
18.5%	51.6	51.3	-0.4	-0.7%	
19.8%	51.4	51.1	-0.3	-0.5%	
21.0%	51.4	51.1	-0.3	-0.5%	
22.2%	51.3	51.1	-0.1	-0.3%	
23.5%	51.2	51.1	-0.2	-0.3%	
24.7%	51.1	51.0	-0.2	-0.4%	
25.9%	51.1	50.8	-0.2	-0.5%	
27.2%	51.1	50.9	-0.2	-0.5%	
28.4%	51.0	50.5	-0.5	-0.9%	
29.6%	50.9	50.5	-0.4	-0.8%	
30.9%	50.8	50.4	-0.5	-0.9%	
32.1%	50.8	50.3	-0.5	-1.1%	
33.3%	50.8	50.2	-0.5	-1.1%	
34.6%	50.5	50.2	-0.3	-0.5%	
35.8%	50.4	50.2	-0.2	-0.4%	
37.0%	50.2	50.1	-0.1	-0.2%	
38.3%	50.1	50.1	0.0	0.0%	
39.5%	50.1	50.0	0.0	0.0%	
40.7%	49.9	49.8	-0.1	-0.2%	
42.0%	49.9	49.7	-0.2	-0.3%	
43.2%	49.8	49.6	-0.2	-0.4%	
44.4%	49.7	49.5	-0.2	-0.5%	
45.7%	49.7	49.4	-0.3	-0.5%	
46.9%	49.4	49.3	-0.1	-0.2%	
48.1%	49.3	49.3	0.0	0.0%	
49.4%	49.4	49.2	-0.2	-0.4%	
50.6%	49.3	49.1	-0.3	-0.5%	
51.9%	49.3	49.0	-0.2	-0.5%	
53.1%	49.2	48.9	-0.3	-0.6%	
54.3%	49.1	48.9	-0.2	-0.4%	
55.6%	49.0	48.8	-0.2	-0.4%	
56.8%	49.0	48.8	-0.2	-0.3%	
58.0%	48.9	48.8	-0.1	-0.3%	
59.3%	48.9	48.8	-0.2	-0.3%	
60.5%	48.8	48.7	-0.1	-0.2%	
61.7%	48.8	48.7	-0.1	-0.2%	
63.0%	48.8	48.7	-0.1	-0.1%	
64.2%	48.7	48.7	0.0	0.0%	
65.4%	48.7	48.5	-0.1	-0.3%	
66.7%	48.7	48.4	-0.3	-0.5%	
67.9%	48.6	48.4	-0.2	-0.5%	
69.1%	48.5	48.3	-0.2	-0.5%	
70.4%	48.4	48.3	-0.2	-0.4%	
71.6%	48.4	48.1	-0.3	-0.6%	
72.8%	48.4	47.9	-0.5	-1.0%	
74.1%	48.3	47.9	-0.4	-0.8%	
75.3%	48.2	47.8	-0.5	-1.0%	
76.5%	47.9	47.6	-0.3	-0.5%	
77.8%	47.9	47.6	-0.2	-0.5%	
79.0%	47.9	47.6	-0.2	-0.5%	
80.2%	47.8	47.6	-0.1	-0.3%	
81.5%	47.4	47.4	0.1	0.1%	
82.7%	47.3	47.3	0.0	0.0%	
84.0%	47.3	47.3	0.0	0.0%	
85.2%	47.2	47.3	0.0	0.0%	
86.4%	47.2	47.1	-0.1	-0.1%	
87.7%	46.8	46.7	0.0	-0.1%	
88.9%	46.6	46.6	0.0	0.0%	
90.1%	46.5	46.5	0.0	0.0%	
91.4%	46.2	46.2	0.0	0.0%	
92.6%	45.8	45.7	-0.1	-0.2%	
93.8%	45.1	45.3	0.2	0.5%	
95.1%	44.2	44.5	0.3	0.7%	
96.3%	43.5	43.8	0.3	0.6%	
97.5%	43.3	43.6	0.3	0.5%	
98.8%	43.3	43.4	0.0	0.1%	
100.0%	43.3	43.4	0.0	0.1%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.0	53.5	0.5	0.9%	
1.2%	53.0	53.0	0.0	0.1%	
2.5%	52.8	53.0	0.2	0.4%	
3.7%	52.8	52.9	0.0	0.1%	
4.9%	52.7	52.7	0.0	0.1%	
6.2%	52.7	52.6	-0.1	-0.2%	
7.4%	52.5	52.5	0.0	0.0%	
8.6%	52.3	52.4	0.1	0.2%	
9.9%	52.3	52.3	0.0	0.0%	
11.1%	52.2	52.2	-0.1	-0.1%	
12.3%	52.1	52.1	0.0	0.0%	
13.6%	52.0	52.1	0.0	0.1%	
14.8%	52.0	52.0	0.0	0.0%	
16.0%	52.0	52.0	0.0	0.0%	
17.3%	51.9	51.9	0.0	0.1%	
18.5%	51.8	51.8	0.0	0.0%	
19.8%	51.8	51.8	0.0	0.0%	
21.0%	51.8	51.8	0.0	0.0%	
22.2%	51.7	51.7	0.0	0.0%	
23.5%	51.7	51.7	0.0	0.0%	
24.7%	51.7	51.7	0.0	0.0%	
25.9%	51.6	51.6	0.0	0.1%	
27.2%	51.6	51.5	-0.1	-0.1%	
28.4%	51.5	51.5	0.0	0.0%	
29.6%	51.5	51.4	-0.1	-0.2%	
30.9%	51.5	51.4	-0.1	-0.1%	
32.1%	51.4	51.3	-0.1	-0.1%	
33.3%	51.4	51.3	-0.1	-0.2%	
34.6%	51.3	51.3	0.0	0.0%	
35.8%	51.2	51.2	0.1	0.2%	
37.0%	51.1	51.2	0.0	0.0%	
38.3%	51.1	51.2	0.1	0.1%	
39.5%	51.1	51.1	0.1	0.1%	
40.7%	51.0	51.1	0.1	0.2%	
42.0%	50.9	51.1	0.2	0.4%	
43.2%	50.8	50.8	0.0	0.1%	
44.4%	50.8	50.8	0.0	0.1%	
45.7%	50.8	50.8	0.0	0.1%	
46.9%	50.8	50.8	0.1	0.1%	
48.1%	50.7	50.8	0.0	0.1%	
49.4%	50.7	50.8	0.1	0.1%	
50.6%	50.6	50.8	0.2	0.4%	
51.9%	50.5	50.8	0.2	0.4%	
53.1%	50.5	50.7	0.2	0.4%	
54.3%	50.5	50.6	0.0	0.1%	
55.6%	50.5	50.5	0.0	0.0%	
56.8%	50.5	50.5	0.0	0.1%	
58.0%	50.5	50.5	0.1	0.1%	
59.3%	50.1	50.5	0.4	0.7%	
60.5%	50.1	50.4	0.4	0.8%	
61.7%	50.0	50.1	0.1	0.2%	
63.0%	49.8	50.1	0.3	0.6%	
64.2%	49.8	50.1	0.3	0.6%	
65.4%	49.6	49.8	0.3	0.5%	
66.7%	49.5	49.8	0.3	0.6%	
67.9%	49.5	49.6	0.1	0.2%	
69.1%	49.5	49.5	0.1	0.2%	
70.4%	49.4	49.4	0.0	0.0%	
71.6%	49.3	49.2	-0.1	-0.1%	
72.8%	49.2	49.1	-0.1	-0.3%	
74.1%	49.1	49.1	0.0	-0.1%	
75.3%	48.9	49.0	0.1	0.2%	
76.5%	48.6	48.8	0.3	0.6%	
77.8%	48.5	48.8	0.3	0.6%	
79.0%	48.5	48.7	0.2	0.5%</	

Table SQ12-1b  
Trinity River below Lewiston Dam, Monthly Temperature

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.9	56.9	0.0	0.0%	
1.2%	56.0	56.0	0.0	0.0%	
2.5%	55.7	55.4	-0.2	-0.4%	
3.7%	55.1	55.1	0.0	0.0%	
4.9%	54.8	54.8	0.0	0.0%	
6.2%	54.7	54.6	-0.1	-0.2%	
7.4%	54.7	54.6	-0.1	-0.2%	
8.6%	54.7	54.1	-0.5	-1.0%	
9.9%	54.1	54.1	0.0	0.0%	
11.1%	53.8	54.1	0.3	0.6%	
12.3%	53.4	53.9	0.5	0.9%	
13.6%	53.4	53.3	-0.1	-0.2%	
14.8%	53.0	53.2	0.3	0.5%	
16.0%	52.5	52.6	0.1	0.3%	
17.3%	52.4	52.4	0.0	0.0%	
18.5%	52.3	52.2	0.0	0.0%	
19.8%	51.9	52.2	0.3	0.6%	
21.0%	51.9	52.1	0.3	0.5%	
22.2%	51.8	51.9	0.0	0.1%	
23.5%	51.8	51.8	0.0	0.1%	
24.7%	51.6	51.8	0.2	0.3%	
25.9%	51.6	51.7	0.1	0.2%	
27.2%	51.5	51.7	0.2	0.3%	
28.4%	51.5	51.6	0.1	0.2%	
29.6%	51.4	51.5	0.1	0.1%	
30.9%	51.3	51.5	0.2	0.4%	
32.1%	51.3	51.3	0.0	0.0%	
33.3%	51.0	51.0	0.0	0.0%	
34.6%	51.0	50.9	-0.1	-0.2%	
35.8%	50.9	50.8	-0.1	-0.2%	
37.0%	50.8	50.7	-0.1	-0.3%	
38.3%	50.6	50.6	0.0	0.0%	
39.5%	50.6	50.6	0.0	0.0%	
40.7%	50.4	50.5	0.1	0.3%	
42.0%	50.4	50.3	0.0	0.0%	
43.2%	50.1	50.1	0.0	0.0%	
44.4%	50.1	50.1	0.0	0.0%	
45.7%	50.1	50.0	-0.1	-0.1%	
46.9%	50.1	49.9	-0.2	-0.4%	
48.1%	49.8	49.8	0.0	0.0%	
49.4%	49.8	49.8	0.0	0.1%	
50.6%	49.7	49.7	0.0	0.1%	
51.9%	49.4	49.4	0.0	0.0%	
53.1%	49.3	49.3	0.0	0.0%	
54.3%	49.2	49.2	0.0	0.0%	
55.6%	49.1	49.2	0.0	0.0%	
56.8%	49.0	49.0	0.0	0.0%	
58.0%	48.9	48.8	-0.1	-0.2%	
59.3%	48.9	48.8	-0.1	-0.2%	
60.5%	48.8	48.8	0.0	0.0%	
61.7%	48.8	48.8	0.0	0.1%	
63.0%	48.7	48.7	-0.1	-0.2%	
64.2%	48.7	48.6	-0.1	-0.2%	
65.4%	48.7	48.5	-0.2	-0.4%	
66.7%	48.6	48.5	-0.1	-0.2%	
67.9%	48.5	48.4	0.0	-0.1%	
69.1%	48.4	48.3	0.0	-0.1%	
70.4%	48.3	48.3	0.0	-0.1%	
71.6%	48.2	48.3	0.1	0.2%	
72.8%	47.9	48.1	0.2	0.4%	
74.1%	47.7	47.7	0.0	0.0%	
75.3%	47.7	47.4	-0.3	-0.5%	
76.5%	47.4	47.4	0.1	0.1%	
77.8%	47.3	47.3	0.0	0.0%	
79.0%	47.1	47.1	0.0	0.0%	
80.2%	47.1	47.0	0.0	-0.1%	
81.5%	47.0	47.0	0.0	0.0%	
82.7%	47.0	47.0	0.0	0.0%	
84.0%	46.8	46.9	0.2	0.4%	
85.2%	46.7	46.6	0.0	0.0%	
86.4%	46.6	46.6	0.0	0.1%	
87.7%	46.6	46.6	0.0	0.0%	
88.9%	46.2	46.1	-0.1	-0.1%	
90.1%	45.9	45.9	0.0	0.1%	
91.4%	45.5	45.5	0.0	0.0%	
92.6%	45.5	45.5	0.0	0.0%	
93.8%	45.4	45.5	0.0	0.1%	
95.1%	44.8	44.8	0.0	0.0%	
96.3%	44.8	44.8	0.0	-0.1%	
97.5%	44.8	44.8	0.0	0.1%	
98.8%	44.7	44.7	0.0	0.0%	
100.0%	44.7	44.7	0.0	0.0%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.7	54.7	0.0	0.0%	
1.2%	54.1	53.7	-0.4	-0.7%	
2.5%	54.1	53.7	-0.4	-0.7%	
3.7%	53.8	53.7	-0.1	-0.2%	
4.9%	53.6	53.5	-0.2	-0.3%	
6.2%	53.4	53.4	0.0	0.1%	
7.4%	53.4	53.2	-0.2	-0.5%	
8.6%	53.1	53.1	0.0	0.0%	
9.9%	53.0	53.0	0.0	0.0%	
11.1%	53.0	53.0	0.0	0.0%	
12.3%	52.5	52.9	0.4	0.9%	
13.6%	52.4	52.8	0.3	0.7%	
14.8%	52.3	52.6	0.2	0.5%	
16.0%	52.3	52.2	-0.1	-0.1%	
17.3%	52.1	52.2	0.1	0.2%	
18.5%	52.1	52.1	0.0	0.0%	
19.8%	51.9	52.0	0.1	0.2%	
21.0%	51.9	51.9	0.1	0.2%	
22.2%	51.8	51.9	0.1	0.2%	
23.5%	51.8	51.8	0.0	-0.1%	
24.7%	51.8	51.8	0.0	0.0%	
25.9%	51.8	51.8	0.0	0.0%	
27.2%	51.8	51.7	-0.1	-0.3%	
28.4%	51.8	51.7	-0.1	-0.3%	
29.6%	51.6	51.6	0.0	0.1%	
30.9%	51.5	51.6	0.0	0.1%	
32.1%	51.5	51.6	0.0	0.1%	
33.3%	51.5	51.5	0.0	0.1%	
34.6%	51.5	51.5	0.0	0.0%	
35.8%	51.5	51.4	-0.1	-0.2%	
37.0%	51.5	51.4	-0.1	-0.3%	
38.3%	51.4	51.4	0.0	0.0%	
39.5%	51.4	51.3	-0.1	-0.2%	
40.7%	51.2	51.2	0.0	0.0%	
42.0%	51.1	51.2	0.0	0.1%	
43.2%	51.1	51.2	0.1	0.1%	
44.4%	51.1	51.1	0.0	0.1%	
45.7%	51.1	51.0	-0.1	-0.1%	
46.9%	51.0	50.9	-0.1	-0.1%	
48.1%	51.0	50.9	-0.1	-0.1%	
49.4%	51.0	50.9	-0.1	-0.1%	
50.6%	50.9	50.8	-0.1	-0.3%	
51.9%	50.9	50.7	-0.2	-0.3%	
53.1%	50.8	50.7	-0.2	-0.3%	
54.3%	50.8	50.7	-0.1	-0.2%	
55.6%	50.8	50.6	-0.1	-0.3%	
56.8%	50.8	50.6	-0.2	-0.3%	
58.0%	50.7	50.6	-0.1	-0.2%	
59.3%	50.7	50.6	-0.1	-0.1%	
60.5%	50.6	50.6	0.0	0.1%	
61.7%	50.6	50.5	0.0	0.0%	
63.0%	50.4	50.4	0.0	0.0%	
64.2%	50.4	50.4	0.0	0.0%	
65.4%	50.4	50.4	0.0	0.1%	
66.7%	50.3	50.4	0.0	0.1%	
67.9%	50.3	50.3	0.0	-0.1%	
69.1%	50.3	50.3	0.0	0.0%	
70.4%	50.3	50.3	0.0	0.0%	
71.6%	50.2	50.2	0.0	0.0%	
72.8%	50.2	50.2	0.0	-0.1%	
74.1%	50.2	50.1	-0.1	-0.2%	
75.3%	50.2	50.0	-0.2	-0.4%	
76.5%	50.2	49.9	-0.2	-0.4%	
77.8%	50.0	49.9	-0.1	-0.2%	
79.0%	49.9	49.8	-0.2	-0.3%	
80.2%	49.9	49.7	-0.2	-0.3%	
81.5%	49.9	49.6	-0.3	-0.6%	
82.7%	49.8	49.5	-0.3	-0.6%	
84.0%	49.8	49.5	-0.3	-0.6%	
85.2%	49.7	49.4	-0.3	-0.5%	
86.4%	49.6	49.4	-0.3	-0.5%	
87.7%	49.5	49.4	-0.1	-0.3%	
88.9%	49.5	49.3	-0.2	-0.3%	
90.1%	49.5	49.2	-0.3	-0.5%	
91.4%	49.3	49.2	-0.1	-0.3%	
92.6%	49.3	49.2	-0.2	-0.3%	
93.8%	49.1	49.1	0.0	-0.1%	
95.1%	49.1	49.0	-0.1	-0.2%	
96.3%	49.1	49.0	-0.1	-0.2%	
97.5%	48.9	49.0	0.0	0.1%	
98.8%	48.8	48.8	0.0	0.0%	
100.0%	48.8	48.8	0.0	0.0%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	58.6	58.8	-1.8	-3.2%	
1.2%	56.4	54.9	-1.5	-2.7%	
2.5%	55.2	54.4	-0.8	-1.4%	
3.7%	54.2	54.1	-0.1	-0.1%	
4.9%	54.1	54.0	-0.1	-0.1%	
6.2%	53.8	54.0	0.1	0.2%	
7.4%	53.8	53.7	-0.1	-0.1%	
8.6%	53.4	53.3	-0.1	-0.3%	
9.9%	53.1	53.0	-0.1	-0.1%	
11.1%	53.1	52.9	-0.2	-0.4%	
12.3%	53.0	52.8	-0.3	-0.5%	
13.6%	52.9	52.7	-0.2	-0.4%	
14.8%	52.8	52.6	-0.2	-0.4%	
16.0%	52.7	52.5	-0.2	-0.4%	
17.3%	52.5	52.5	0.0	-0.4%	
18.5%	52.6	52.5	-0.2	-0.3%	
19.8%	52.6	52.3	-0.2	-0.4%	
21.0%	52.6	52.3	-0.2	-0.5%	
22.2%	52.4	52.3	-0.1	-0.2%	
23.5%	52.4	52.1	-0.2	-0.5%	
24.7%	52.3	52.1	-0.2	-0.5%	
25.9%	52.3	52.1	-0.2	-0.4%	
27.2%	52.2	52.0	-0.2	-0.4%	
28.4%	52.2	51.9	-0.2	-0.4%	
29.6%	52.1	51.7	-0.5	-0.9%	
30.9%	52.1	51.6	-0.4	-0.8%	
32.1%	52.0	51.5	-0.5	-1.0%	
33.3%	52.0	51.5	-0.5	-0.9%	
34.6%	51.9	51.5	-0.4	-0.8%	
35.8%	51.8	51.5	-0.3	-0.6%	
37.0%	51.8	51.5	-0.3	-0.5%	
38.3%	51.7	51.5	-0.2	-0.4%	
39.5%	51.6	51.4	-0.2	-0.4%	
40.7%	51.4	51.3	-0.1	-0.2%	
42.0%	51.2	51.2	0.0	0.1%	
43.2%	51.2	51.1	-0.1	-0.3%	
44.4%	51.2	51.0	-0.1	-0.2%	
45.7%	51.1	51.0	-0.1	-0.1%	
46.9%	51.1	51.0	0.0	-0.1%	
48.1%	51.0	51.0	0.0	0.0%	
49.4%	51.0	51.0	0.0	0.0%	
50.6%	51.0	51.0	0.0	0.0%	
51.9%	51.0	50.9	-0.1	-0.1%	
53.1%	51.0	50.9	-0.1	-0.2%	
54.3%	51.0	50.9	-0.1	-0.2%	
55.6%	51.0	50.9	-0.1	-0.2%	
56.8%	50.9	50.8	-0.1	-0.2%	
58.0%	50.9	50.7	-0.1	-0.1%	
59.3%	50.9	50.7	-0.2	-0.5%	
60.5%	50.8	50.5	-0.3	-0.7%	
61.7%	50.7	50.5	-0.3	-0.5%	
63.0%	50.7	50.5	-0.2	-0.4%	
64.2%	50.7	50.4	-0.2	-0.4%	
65.4%	50.5	50.4	-0.1	-0.2%	
66.7%	50.5	50.4	-0.1	-0.3%	
67.9%	50.5	50.3	-0.2	-0.5%	
69.1%	50.5	50.2	-0.3	-0.5%	
70.4%	50.5	50.2	-0.3	-0.6%	
71.6%	50.5	50.1	-0.3	-0.6%	
72.8%	50.5	50.1	-0.3	-0.7%	
74.1%	50.4	50.1	-0.3	-0.6%	
75.3%	50.3	50.0	-0.3	-0.6%	
76.5%	50.3	50.0	-0.3	-0.6%	
77.8%	50.3	50.0	-0.3	-0.6%	
79.0%	50.2	49.9	-0.2	-0.5%</	



Table SQ12-1b  
Trinity River below Lewiston Dam, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	56.3	56.8	-0.5	-0.9%	
1.2%	55.8	56.2	-0.6	-1.2%	
2.5%	55.3	56.1	-0.2	-0.4%	
3.7%	55.2	54.8	-0.3	-0.6%	
4.9%	54.7	54.5	-0.2	-0.4%	
6.2%	54.4	54.2	-0.2	-0.4%	
7.4%	53.7	53.9	0.1	0.3%	
8.6%	53.6	53.4	-0.2	-0.3%	
9.9%	53.5	53.4	-0.1	-0.3%	
11.1%	53.4	53.2	-0.2	-0.4%	
12.3%	53.3	53.0	-0.4	-0.7%	
13.6%	53.3	52.8	-0.5	-0.9%	
14.8%	52.7	52.6	-0.1	-0.1%	
16.0%	52.5	52.6	0.1	0.1%	
17.3%	52.3	52.4	0.2	0.3%	
18.5%	52.3	52.3	0.1	0.1%	
19.8%	52.3	52.2	0.0	-0.1%	
21.0%	52.2	52.2	0.1	0.1%	
22.2%	52.2	52.2	0.0	0.1%	
23.5%	52.1	52.0	-0.1	-0.2%	
24.7%	52.1	52.0	0.0	-0.1%	
25.9%	52.0	52.0	0.0	0.0%	
27.2%	51.8	51.9	0.0	0.0%	
28.4%	51.6	51.7	0.1	0.2%	
29.6%	51.5	51.6	0.1	0.3%	
30.9%	51.4	51.5	0.1	0.2%	
32.1%	51.4	51.4	0.0	0.1%	
33.3%	51.4	51.4	0.0	0.1%	
34.6%	51.4	51.4	0.0	0.0%	
35.8%	51.3	51.3	0.0	0.1%	
37.0%	51.3	51.2	0.0	0.0%	
38.3%	51.2	51.2	0.0	0.1%	
39.5%	51.2	51.2	0.0	0.0%	
40.7%	51.2	51.1	-0.1	-0.2%	
42.0%	51.0	51.0	0.0	0.1%	
43.2%	51.0	51.0	0.0	0.0%	
44.4%	51.0	51.0	0.0	0.0%	
45.7%	50.9	50.9	0.0	0.0%	
46.9%	50.9	50.8	-0.1	-0.2%	
48.1%	50.9	50.8	-0.1	-0.2%	
49.4%	50.9	50.7	-0.1	-0.2%	
50.6%	50.8	50.6	-0.2	-0.4%	
51.9%	50.8	50.5	-0.3	-0.6%	
53.1%	50.7	50.5	-0.2	-0.4%	
54.3%	50.7	50.4	-0.3	-0.5%	
55.6%	50.5	50.3	-0.2	-0.4%	
56.8%	50.4	50.2	-0.2	-0.4%	
58.0%	50.3	50.2	-0.1	-0.2%	
59.3%	50.3	50.2	-0.1	-0.2%	
60.5%	50.3	50.2	-0.1	-0.2%	
61.7%	50.2	50.1	-0.1	-0.2%	
63.0%	50.2	50.1	-0.1	-0.1%	
64.2%	50.1	50.1	0.0	0.0%	
65.4%	50.0	49.9	0.0	-0.1%	
66.7%	49.9	49.9	0.0	-0.1%	
67.9%	49.9	49.7	-0.2	-0.4%	
69.1%	49.8	49.6	-0.2	-0.5%	
70.4%	49.7	49.6	-0.1	-0.2%	
71.6%	49.6	49.6	0.0	0.0%	
72.8%	49.5	49.5	0.0	-0.1%	
74.1%	49.5	49.4	-0.1	-0.1%	
75.3%	49.4	49.4	0.0	0.0%	
76.5%	49.4	49.3	-0.1	-0.2%	
77.8%	49.3	49.3	0.0	-0.1%	
79.0%	49.3	49.2	-0.1	-0.2%	
80.2%	49.3	49.2	-0.1	-0.2%	
81.5%	49.3	49.1	-0.1	-0.3%	
82.7%	49.1	49.1	-0.1	-0.2%	
84.0%	49.1	49.0	-0.1	-0.2%	
85.2%	49.0	49.0	0.0	0.0%	
86.4%	49.0	48.9	0.0	-0.1%	
87.7%	48.9	48.9	0.0	0.0%	
88.9%	48.9	48.9	0.0	0.0%	
90.1%	48.8	48.8	0.0	-0.1%	
91.4%	48.7	48.8	0.0	0.1%	
92.6%	48.7	48.7	0.0	-0.1%	
93.8%	48.6	48.6	0.0	-0.1%	
95.1%	48.4	48.1	-0.2	-0.5%	
96.3%	48.2	48.1	-0.2	-0.4%	
97.5%	48.1	48.0	-0.1	-0.2%	
98.8%	48.1	48.0	-0.1	-0.2%	
100.0%	48.0	47.9	-0.1	-0.2%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	56.8	56.4	-1.4	-2.4%	
1.2%	56.0	56.2	-0.8	-1.4%	
2.5%	55.5	56.2	-0.3	-0.5%	
3.7%	55.0	54.8	-0.1	-0.3%	
4.9%	54.7	54.6	-0.1	-0.2%	
6.2%	54.2	54.1	-0.1	-0.3%	
7.4%	53.7	53.8	0.1	0.2%	
8.6%	53.4	53.4	0.0	0.0%	
9.9%	53.4	52.9	-0.5	-0.9%	
11.1%	53.0	52.9	-0.1	-0.3%	
12.3%	53.0	52.8	-0.2	-0.3%	
13.6%	52.9	52.6	-0.3	-0.6%	
14.8%	52.7	52.6	-0.1	-0.2%	
16.0%	52.6	52.5	-0.1	-0.1%	
17.3%	52.5	52.4	-0.1	-0.2%	
18.5%	52.5	52.4	0.0	0.0%	
19.8%	52.4	52.4	0.0	0.0%	
21.0%	52.4	52.4	0.0	0.0%	
22.2%	52.4	52.4	0.0	0.0%	
23.5%	52.3	52.4	0.1	0.2%	
24.7%	52.2	52.2	0.0	-0.1%	
25.9%	52.2	52.1	-0.1	-0.2%	
27.2%	52.1	52.0	-0.1	-0.1%	
28.4%	51.9	51.9	-0.1	-0.2%	
29.6%	51.9	51.8	-0.1	-0.2%	
30.9%	51.8	51.7	0.0	-0.1%	
32.1%	51.8	51.7	0.0	-0.1%	
33.3%	51.8	51.7	-0.1	-0.2%	
34.6%	51.7	51.6	-0.2	-0.3%	
35.8%	51.7	51.5	-0.2	-0.3%	
37.0%	51.7	51.5	-0.2	-0.3%	
38.3%	51.7	51.5	-0.2	-0.3%	
39.5%	51.6	51.5	-0.1	-0.3%	
40.7%	51.6	51.4	-0.1	-0.3%	
42.0%	51.5	51.4	-0.1	-0.3%	
43.2%	51.5	51.3	-0.2	-0.4%	
44.4%	51.5	51.3	-0.2	-0.4%	
45.7%	51.4	51.3	-0.2	-0.4%	
46.9%	51.3	51.2	-0.1	-0.2%	
48.1%	51.3	51.2	-0.1	-0.1%	
49.4%	51.2	51.2	0.0	0.0%	
50.6%	51.1	51.2	0.0	0.1%	
51.9%	51.0	51.1	0.0	0.0%	
53.1%	51.0	51.0	-0.1	-0.1%	
54.3%	50.9	50.9	-0.1	-0.1%	
55.6%	50.9	50.8	-0.1	-0.2%	
56.8%	50.8	50.6	-0.2	-0.3%	
58.0%	50.7	50.5	-0.2	-0.3%	
59.3%	50.7	50.6	-0.2	-0.3%	
60.5%	50.6	50.4	-0.2	-0.3%	
61.7%	50.6	50.4	-0.2	-0.4%	
63.0%	50.6	50.4	-0.2	-0.4%	
64.2%	50.5	50.4	-0.1	-0.2%	
65.4%	50.4	50.3	-0.1	-0.2%	
66.7%	50.4	50.3	-0.1	-0.2%	
67.9%	50.3	50.3	-0.1	-0.2%	
69.1%	50.3	50.2	-0.1	-0.1%	
70.4%	50.3	50.2	-0.1	-0.2%	
71.6%	50.2	50.2	0.0	0.0%	
72.8%	50.1	50.0	-0.1	-0.1%	
74.1%	50.0	49.9	-0.1	-0.2%	
75.3%	49.9	49.9	0.0	0.0%	
76.5%	49.9	49.9	0.0	0.0%	
77.8%	49.8	49.8	0.0	0.1%	
79.0%	49.8	49.8	0.0	0.1%	
80.2%	49.8	49.7	0.0	-0.1%	
81.5%	49.7	49.7	-0.1	-0.2%	
82.7%	49.7	49.6	-0.1	-0.2%	
84.0%	49.7	49.6	-0.1	-0.1%	
85.2%	49.6	49.6	0.0	-0.1%	
86.4%	49.6	49.6	0.0	0.0%	
87.7%	49.6	49.6	0.0	0.0%	
88.9%	49.5	49.5	0.0	-0.1%	
90.1%	49.5	49.4	0.0	-0.1%	
91.4%	49.4	49.4	0.0	-0.1%	
92.6%	49.4	49.3	-0.2	-0.3%	
93.8%	49.4	49.3	-0.2	-0.4%	
95.1%	49.4	49.2	-0.1	-0.3%	
96.3%	49.3	49.1	-0.1	-0.3%	
97.5%	49.1	49.1	0.0	0.0%	
98.8%	48.8	48.6	-0.2	-0.4%	
100.0%	48.7	48.6	-0.1	-0.3%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	58.2	56.0	-2.2	-3.7%	
1.2%	57.0	56.0	-1.0	-1.8%	
2.5%	56.9	55.8	-0.1	-0.1%	
3.7%	56.6	55.5	-0.1	-0.1%	
4.9%	56.3	55.4	0.1	0.1%	
6.2%	56.6	55.3	0.7	1.3%	
7.4%	54.5	54.0	-0.5	-1.0%	
8.6%	54.4	53.8	-0.6	-1.1%	
9.9%	53.4	53.6	0.2	0.4%	
11.1%	53.4	53.4	0.0	0.0%	
12.3%	53.4	53.2	-0.2	-0.4%	
13.6%	53.1	53.0	-0.2	-0.3%	
14.8%	53.1	52.9	-0.1	-0.3%	
16.0%	52.9	52.9	0.0	0.1%	
17.3%	52.9	52.7	-0.1	-0.2%	
18.5%	52.8	52.7	-0.1	-0.3%	
19.8%	52.8	52.5	-0.3	-0.6%	
21.0%	52.8	52.5	-0.3	-0.7%	
22.2%	52.8	52.4	-0.3	-0.6%	
23.5%	52.4	52.3	-0.1	-0.3%	
24.7%	52.4	52.2	-0.2	-0.4%	
25.9%	52.2	52.1	-0.1	-0.2%	
27.2%	52.2	52.0	-0.2	-0.4%	
28.4%	52.2	51.9	-0.2	-0.5%	
29.6%	52.2	51.9	-0.2	-0.4%	
30.9%	52.2	51.8	-0.4	-0.7%	
32.1%	52.1	51.7	-0.4	-0.8%	
33.3%	52.1	51.7	-0.4	-0.8%	
34.6%	51.9	51.6	-0.3	-0.5%	
35.8%	51.8	51.6	-0.2	-0.4%	
37.0%	51.8	51.6	-0.2	-0.4%	
38.3%	51.7	51.6	-0.2	-0.3%	
39.5%	51.7	51.6	-0.2	-0.3%	
40.7%	51.6	51.6	0.0	0.0%	
42.0%	51.6	51.5	-0.1	-0.1%	
43.2%	51.5	51.5	0.0	-0.1%	
44.4%	51.4	51.3	-0.1	-0.1%	
45.7%	51.4	51.2	-0.2	-0.3%	
46.9%	51.4	51.2	-0.2	-0.4%	
48.1%	51.3	51.2	-0.1	-0.2%	
49.4%	51.3	51.1	-0.2	-0.3%	
50.6%	51.1	51.1	0.0	0.0%	
51.9%	51.1	51.1	0.0	0.0%	
53.1%	51.0	51.1	0.0	0.1%	
54.3%	51.0	50.9	-0.1	-0.2%	
55.6%	50.9	50.8	-0.1	-0.2%	
56.8%	50.8	50.7	-0.1	-0.3%	
58.0%	50.8	50.7	-0.1	-0.2%	
59.3%	50.7	50.6	-0.1	-0.2%	
60.5%	50.7	50.4	-0.2	-0.5%	
61.7%	50.6	50.3	-0.3	-0.6%	
63.0%	50.6	50.3	-0.3	-0.6%	
64.2%	50.5	50.2	-0.3	-0.5%	
65.4%	50.3	50.2	-0.1	-0.2%	
66.7%	50.3	50.1	-0.2	-0.3%	
67.9%	50.2	50.1	-0.1	-0.2%	
69.1%	50.2	50.1	-0.1	-0.2%	
70.4%	50.1	50.1	0.0	-0.1%	
71.6%	50.1	50.1	0.0	0.0%	
72.8%	50.1	50.0	-0.1	-0.1%	
74.1%	50.0	50.0	0.0	0.0%	
75.3%	50.0	50.0	0.0	0.0%	
76.5%	49.9	49.9	0.0	0.0%	
77.					

Table SQ13-1a  
Clear Creek below Whiskeytown, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
DCR 2015 Without Project	52.1	50.1	46.2	44.0	43.9	44.8	46.3	47.5	49.1	51.0	52.1	52.2
DCR 2015 With Project	52.0	50.1	46.2	44.0	43.9	44.8	46.3	47.5	49.1	50.9	52.0	52.1
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	50.6	49.5	45.9	43.7	43.5	44.4	46.0	47.5	49.0	50.9	51.7	51.1
DCR 2015 With Project	50.6	49.5	45.9	43.7	43.6	44.4	46.0	47.5	49.0	50.8	51.6	51.0
Difference	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.0
Percent Difference	0.1%	0.1%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.0%	-0.1%	-0.2%	-0.2%	-0.1%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	51.4	49.6	45.9	44.1	43.9	44.7	46.2	47.7	49.3	51.2	51.9	51.5
DCR 2015 With Project	51.3	49.6	45.9	44.2	43.9	44.7	46.2	47.7	49.3	51.2	51.8	51.3
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
Percent Difference	-0.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.2%	-0.4%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	52.4	50.1	46.3	43.7	43.4	44.5	45.9	47.0	48.5	50.5	51.9	52.3
DCR 2015 With Project	52.2	50.1	46.3	43.7	43.4	44.6	46.0	47.1	48.7	50.6	51.8	52.0
Difference	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	-0.3
Percent Difference	-0.4%	0.1%	-0.1%	-0.1%	0.0%	0.1%	0.1%	0.3%	0.5%	0.3%	-0.1%	-0.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	52.7	50.4	46.4	44.0	44.1	45.1	46.4	47.3	48.9	51.0	52.3	52.6
DCR 2015 With Project	52.6	50.4	46.3	44.0	44.1	45.1	46.5	47.4	48.9	51.0	52.3	52.6
Difference	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Percent Difference	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	-0.1%
<b>Critical (15%)</b>												
DCR 2015 Without Project	54.5	51.3	46.9	45.1	44.9	45.9	47.3	48.4	50.0	51.5	53.2	54.5
DCR 2015 With Project	54.5	51.2	46.9	45.0	44.9	45.9	47.3	48.3	49.8	51.4	53.1	54.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.1	0.0
Percent Difference	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.4%	-0.3%	-0.2%	0.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

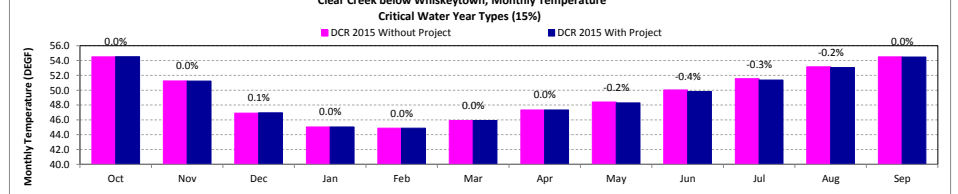
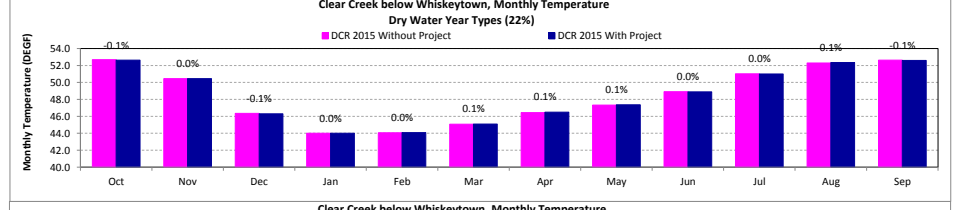
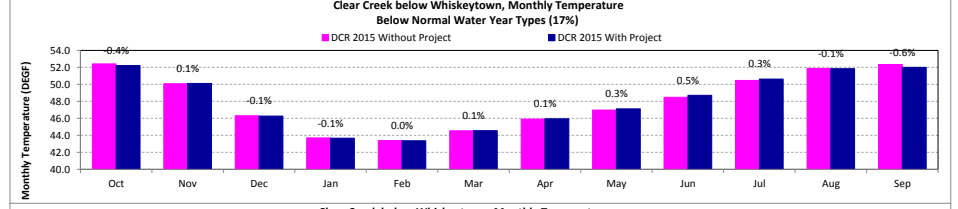
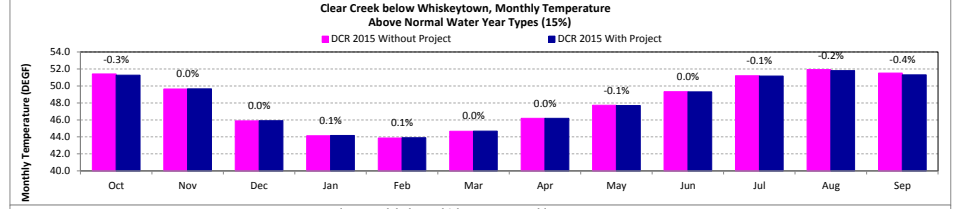
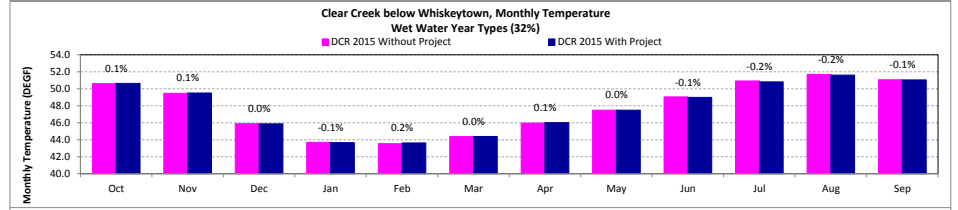
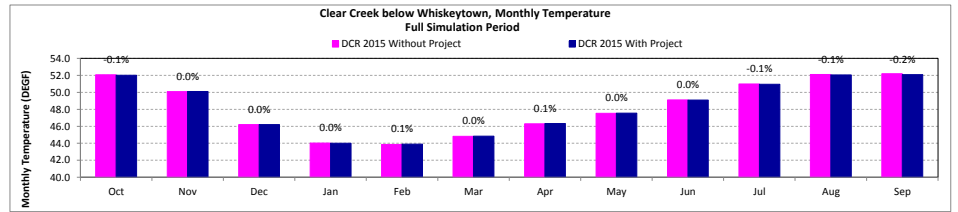


Figure SQ13-1b  
Clear Creek below Whiskeytown, Monthly Temperature  
Probability of Exceedance

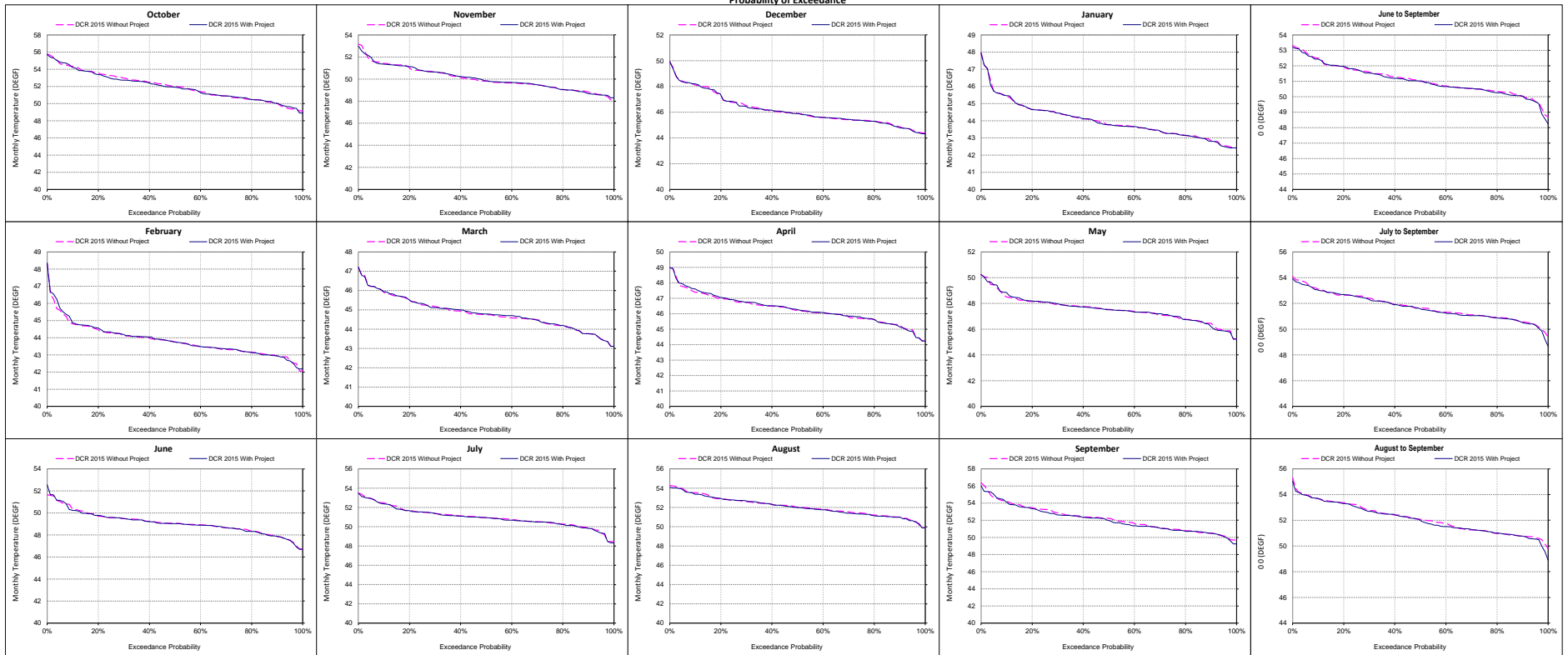


Table SQ13-1b  
Clear Creek below Whiskeytown, Monthly Temperature

October						November						December						January					
Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project	Absolute Difference (DEGF)	Relative Difference (%)	Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project	Absolute Difference (DEGF)	Relative Difference (%)	Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project	Absolute Difference (DEGF)	Relative Difference (%)	Percent Exceedance Probability (%)	DCR 2015 Without Project		DCR 2015 With Project	Absolute Difference (DEGF)	Relative Difference (%)
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)					Monthly Temperature (DEGF)	Monthly Temperature (DEGF)					Monthly Temperature (DEGF)	Monthly Temperature (DEGF)					Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	55.8	55.7	55.7	-0.1	-0.1%	53.0	53.2	53.0	-0.2	-0.3%	49.9	49.9	49.9	0.0	0.1%	47.9	47.9	47.9	0.0	-0.1%			
1.2%	55.6	55.4	55.4	-0.2	-0.4%	53.1	52.6	52.6	-0.5	-1.0%	49.5	49.4	49.4	-0.1	-0.2%	47.2	47.2	47.2	-0.1	0.0%			
2.5%	55.4	55.3	55.3	-0.1	-0.1%	52.5	52.3	52.3	-0.2	-0.4%	48.8	48.8	48.8	0.1	0.1%	47.0	47.0	47.0	0.0	0.1%			
3.7%	55.1	55.0	55.0	-0.1	-0.2%	52.0	52.2	52.2	0.2	0.4%	48.4	48.5	48.5	0.0	0.1%	46.4	46.1	46.1	-0.3	-0.6%			
4.9%	54.6	54.8	54.8	0.2	0.4%	51.7	52.0	52.0	0.3	0.6%	48.4	48.4	48.4	0.0	-0.1%	45.7	45.7	45.7	0.0	0.1%			
6.2%	54.8	54.8	54.8	0.0	0.4%	51.6	51.6	51.6	0.0	0.0%	48.3	48.3	48.3	0.0	0.0%	45.6	45.6	45.6	0.0	0.0%			
7.4%	54.5	54.7	54.7	0.2	0.4%	51.4	51.4	51.4	-0.1	-0.1%	48.2	48.3	48.3	0.1	0.1%	45.6	45.6	45.6	0.0	0.0%			
8.6%	54.6	54.5	54.5	-0.2	0.3%	51.5	51.4	51.4	-0.1	-0.3%	48.2	48.2	48.2	0.0	0.0%	45.5	45.5	45.5	0.0	-0.1%			
9.9%	54.3	54.2	54.2	-0.1	-0.2%	51.4	51.4	51.4	-0.1	-0.1%	48.1	48.2	48.2	0.1	0.2%	45.4	45.5	45.5	0.0	0.1%			
11.1%	54.3	54.1	54.1	-0.2	-0.3%	51.4	51.3	51.3	-0.1	-0.2%	48.1	48.1	48.1	0.1	0.2%	45.4	45.4	45.4	0.1	0.2%			
12.3%	54.1	53.8	53.8	-0.3	-0.5%	51.3	51.3	51.3	0.0	-0.1%	48.0	47.9	47.9	-0.1	-0.1%	45.2	45.2	45.2	0.0	0.1%			
13.6%	53.9	53.8	53.8	0.0	0.0%	51.3	51.3	51.3	0.0	-0.1%	48.0	47.9	47.9	-0.1	-0.3%	45.1	45.0	45.0	-0.1	-0.1%			
14.8%	53.9	53.8	53.8	-0.1	-0.1%	51.3	51.3	51.3	0.0	-0.1%	48.0	47.8	47.8	-0.2	-0.3%	44.9	44.9	44.9	0.0	0.0%			
16.0%	53.8	53.8	53.8	0.0	0.0%	51.3	51.2	51.2	-0.1	-0.1%	47.8	47.7	47.7	0.2	0.4%	44.9	44.9	44.9	0.0	0.0%			
17.3%	53.7	53.7	53.7	0.0	0.0%	51.3	51.2	51.2	-0.1	-0.1%	47.6	47.6	47.6	0.0	0.0%	44.7	44.8	44.8	0.1	0.2%			
18.5%	53.6	53.5	53.5	-0.1	-0.3%	51.2	51.2	51.2	-0.1	-0.1%	47.5	47.5	47.5	0.0	0.1%	44.7	44.7	44.7	0.0	0.0%			
19.8%	53.6	53.4	53.4	-0.2	-0.4%	51.1	51.1	51.1	0.1	0.2%	47.1	47.4	47.4	0.0	0.0%	44.7	44.7	44.7	0.0	0.0%			
21.0%	53.4	53.4	53.4	-0.1	-0.1%	50.8	51.1	51.1	0.3	0.6%	46.9	47.0	47.0	0.0	0.1%	44.7	44.6	44.6	0.0	0.0%			
22.2%	53.4	53.2	53.2	-0.2	-0.4%	50.8	51.0	51.0	0.2	0.4%	46.9	46.9	46.9	0.0	-0.1%	44.6	44.6	44.6	0.0	-0.1%			
23.5%	53.3	53.1	53.1	-0.2	-0.4%	50.8	50.8	50.8	0.0	0.1%	46.8	46.8	46.8	0.1	0.1%	44.6	44.6	44.6	0.0	0.0%			
24.7%	53.3	52.9	52.9	-0.3	-0.6%	50.8	50.8	50.8	0.0	0.1%	46.8	46.8	46.8	0.1	0.1%	44.6	44.6	44.6	0.0	0.0%			
25.9%	53.2	52.9	52.9	-0.3	-0.7%	50.8	50.7	50.7	0.0	-0.1%	46.8	46.7	46.7	0.0	0.0%	44.6	44.6	44.6	0.0	0.0%			
27.2%	53.1	52.8	52.8	-0.3	-0.5%	50.7	50.7	50.7	0.0	0.0%	46.7	46.5	46.5	-0.3	-0.6%	44.6	44.5	44.5	0.0	0.0%			
28.4%	53.1	52.8	52.8	-0.4	-0.7%	50.7	50.7	50.7	0.0	-0.1%	46.7	46.7	46.7	-0.2	-0.4%	44.5	44.5	44.5	0.0	0.0%			
29.6%	53.0	52.7	52.7	-0.3	-0.5%	50.6	50.7	50.7	0.0	0.1%	46.5	46.5	46.5	-0.1	-0.1%	44.4	44.4	44.4	0.0	0.1%			
30.9%	52.9	52.7	52.7	-0.2	-0.4%	50.6	50.6	50.6	0.0	0.1%	46.5	46.3	46.3	-0.1	-0.3%	44.4	44.4	44.4	0.0	0.1%			
32.1%	52.8	52.7	52.7	-0.1	-0.1%	50.6	50.6	50.6	0.0	0.0%	46.4	46.3	46.3	-0.1	-0.2%	44.4	44.4	44.4	0.0	0.0%			
33.3%	52.7	52.6	52.6	-0.1	-0.2%	50.5	50.6	50.6	0.1	-0.1%	46.4	46.3	46.3	-0.1	-0.2%	44.3	44.3	44.3	0.0	0.0%			
34.6%	52.7	52.6	52.6	-0.1	-0.2%	50.5	50.5	50.5	0.0	-0.1%	46.3	46.3	46.3	-0.1	-0.2%	44.3	44.3	44.3	0.0	0.1%			
35.8%	52.7	52.6	52.6	-0.1	-0.1%	50.3	50.4	50.4	0.1	0.2%	46.3	46.2	46.2	-0.1	-0.1%	44.2	44.2	44.2	0.0	0.0%			
37.0%	52.6	52.6	52.6	-0.1	-0.1%	50.3	50.4	50.4	0.1	0.2%	46.2	46.2	46.2	0.0	0.0%	44.2	44.2	44.2	0.0	0.1%			
38.3%	52.6	52.5	52.5	-0.1	-0.2%	50.2	50.3	50.3	0.0	0.1%	46.2	46.2	46.2	0.0	0.0%	44.2	44.2	44.2	0.0	0.1%			
39.5%	52.5	52.5	52.5	0.0	-0.1%	50.2	50.2	50.2	0.0	0.1%	46.1	46.2	46.2	0.1	0.1%	44.1	44.1	44.1	0.0	0.0%			
40.7%	52.5	52.3	52.3	-0.2	-0.3%	50.1	50.2	50.2	0.1	0.3%	46.1	46.1	46.1	0.0	0.1%	44.1	44.1	44.1	0.0	0.0%			
42.0%	52.4	52.3	52.3	-0.2	-0.3%	50.1	50.2	50.2	0.1	0.2%	46.0	46.1	46.1	0.0	0.1%	44.1	44.1	44.1	0.0	0.0%			
43.2%	52.3	52.2	52.2	-0.1	-0.3%	50.0	50.2	50.2	0.2	0.3%	46.0	46.1	46.1	0.1	0.2%	44.0	44.1	44.1	0.0	0.1%			
44.4%	52.3	52.1	52.1	-0.2	-0.4%	50.0	50.1	50.1	0.1	0.3%	46.0	46.0	46.0	0.1	0.1%	44.0	44.0	44.0	0.0	-0.1%			
45.7%	52.3	52.0	52.0	-0.3	-0.6%	50.0	50.1	50.1	0.1	0.3%	46.0	46.0	46.0	0.0	0.0%	44.0	43.9	43.9	-0.1	-0.3%			
46.9%	52.2	52.0	52.0	-0.2	-0.4%	49.9	50.0	50.0	0.2	0.3%	46.0	46.0	46.0	0.0	0.0%	43.9	43.9	43.9	0.0	-0.1%			
48.1%	52.1	51.9	51.9	-0.1	-0.2%	49.8	50.0	50.0	0.1	0.3%	45.9	45.9	45.9	0.0	-0.1%	43.8	43.8	43.8	-0.1	-0.2%			
49.4%	52.0	51.9	51.9	-0.1	-0.2%	49.8	49.9	49.9	0.0	0.1%	45.9	45.9	45.9	0.0	0.0%	43.8	43.8	43.8	0.0	0.0%			
50.6%	52.0	51.9	51.9	-0.1	-0.2%	49.8	49.8	49.8	0.0	0.0%	45.9	45.9	45.9	0.0	0.0%	43.8	43.8	43.8	0.0	0.0%			
51.9%	52.0	51.8	51.8	-0.1	-0.2%	49.7	49.8	49.8	0.1	0.1%	45.8	45.8	45.8	0.0	-0.1%	43.7	43.7	43.7	0.0	0.0%			
53.1%	51.9	51.7	51.7	-0.2	-0.4%	49.7	49.8	49.8	0.1	0.1%	45.7	45.8	45.8	0.1	0.1%	43.7	43.7	43.7	0.0	-0.1%			
54.3%	51.8	51.7	51.7	-0.1	-0.3%	49.7	49.7	49.7	0.1	0.1%	45.7	45.8	45.8	0.0	0.1%	43.7	43.7	43.7	0.0	-0.1%			
55.6%	51.7	51.7	51.7	0.0	0.0%	49.7	49.7	49.7	0.0	0.1%	45.7	45.7	45.7	0.1	0.2%	43.7	43.7	43.7	-0.1	-0.1%			
56.8%	51.5	51.6	51.6	0.1	0.3%	49.7	49.7	49.7	0.0	0.1%	45.6	45.6	45.6	0.0	0.0%	43.7	43.7	43.7	0.0	-0.1%			
58.0%	51.5	51.6	51.6	0.1	0.3%	49.7	49.7	49.7	0.1	0.1%	45.6	45.6	45.6	0.0	0.0%	43.7	43.7	43.7	0.0	-0.1%			
59.3%	51.4	51.4	51.4	0.0	0.0%	49.6	49.7	49.7	0.1	0.1%	45.6	45.6	45.6	0.0	0.1%	43.7	43.7	43.7	0.0	0.0%			
60.5%	51.4	51.2	51.2	-0.2	-0.3%	49.6	49.7	49.7	0.1	0.1%	45.6	45.6	45.6	0.0	0.0%	43.6	43.7	43.7	0.0	0.1%			
61.7%	51.3	51.1	51.1	-0.2	-0.4%	49.6	49.6	49.6	0.1	0.1%	45.6	45.6	45.6	0.0	0.0%	43.6	43.6	43.6	0.0	0.0%			
63.0%	51.2	51.1	51.1	-0.1	-0.1%	49.6	49.7	49.7	0.1	0.1%	45.5	45.6	45.6	0.0	0.0%	43.6	43.6	43.6	0.0	0.0%			
64.2%	51.0	51.1	51.1	0.1	0.2%	49.6	49.6	49.6	0.1	0.1%	45.5	45.6	45.6	0.0	0.1%	43.6	43.6	43.6	0.0	0.1%			
65.4%	51.0	51.1	51.1	0.1	0.1%	49.6	49.6	49.6	0.0	0.1%	45.5	45.5	45.5	0.0	0.1%	43.5	43.5	43.5	0.0	0.0%			
66.7%	50.9	51.0	51.0	0.1	0.2%	49.6	49.6	49.6	0.0	0.1%	45.5	45.5	45.5	0.0	0.1%	43.5	43.5	43.5	0.0	-0.1%			
67.9%	50.9	50.9	50.9	0.0	0.0%	49.6	49.6	49.6	0.0	0.0%	45.4	45.5	45.5	0.0	0.1%	43.5	43.5	43.5	0.0	0.0%			
69.1%	50.9	50.9	50.9	0.0	0.0%	49.5	49.5	49.5	0.0	0.1%	45.4	45.4	45.4	0.0	0.0%	43.5	43.5	43.5	0.0	0.1%			
70.4%	50.9	50.9	50.9	0.0	0.0%	49.5	49.5	49.5	0.0	0.0%	45.4	45.4	45.4	0.0	0.1%	43.4	43.4	43.4	0.0	0.0%			
71.6%	50.7	50.9	50.9	0.1	0.3%	49.4	49.4	49.4	0.0	-0.1%	45.4	45.4	45.4	0.0	0.1%	43.3	43.3	43.3	0.0	0.0%			
72.8%	50.7	50.8	50.8	0.1	0.2%	49.4	49.4	49.4	0.0	0.0%	45.4	45.4	45.4	0.0	0.0%	43.3	43.3	43.3	0.0	0.0%			
74.1%	50.7	50.7	50.7	0.1	0.1%	49.3	49.3	49.3	0.0	0.1%	45.4	45.4	45.4	0.0	0.0%	43.3	43.3	43.3	0.0	0.0%			
75.3%	50.7	50.7	50.7	0.1	0.1%	49.2	49.3	49.3	0.0	0.1%	45.4	45.4	45.4	0.0	0.0%	43.3	43.3	43.3	0.0	0.0%			
76.5%	50.7	50.7	50.7	0.0	0.1%	49.2	49.2	49.2	0.0	0.0%	45.4	45.3	45.3	0.0	-0.1%	43.2	43.2	43.2	0.0	0.0%			
77.8%	50.5	50.7	50.7	0.2																			

Table SQ13-1b  
Clear Creek below Whiskeytown, Monthly Temperature

February						March						April						May					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance	Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance	Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance	Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	48.4	47.2	0.0	0.0%	0.0%	0.0%	47.2	47.2	0.0	0.0%	0.0%	0.0%	49.0	49.0	0.0	0.0%	0.0%	0.0%	50.2	50.0	0.0	0.0%	
1.2%	46.5	46.7	0.1	0.3%	1.2%	1.2%	46.8	46.8	0.0	0.0%	1.2%	48.9	48.9	0.0	0.0%	1.2%	50.1	50.0	0.0	0.0%	1.2%	50.1	
2.5%	46.3	46.5	0.3	0.6%	2.5%	2.5%	46.8	46.7	-0.1	-0.2%	2.5%	48.4	48.3	-0.2	-0.3%	2.5%	50.0	49.7	-0.3	-0.7%	2.5%	50.0	
3.7%	45.7	46.2	0.5	1.2%	3.7%	3.7%	46.3	46.3	0.0	0.0%	3.7%	47.8	48.0	0.2	0.4%	3.7%	49.5	49.7	0.2	0.4%	3.7%	49.5	
4.9%	45.6	45.7	0.1	0.3%	4.9%	4.9%	46.2	46.2	0.0	0.0%	4.9%	47.8	48.0	0.2	0.4%	4.9%	49.4	49.5	0.0	0.0%	4.9%	49.4	
6.2%	45.4	45.5	0.1	0.3%	6.2%	6.2%	46.2	46.2	0.0	0.0%	6.2%	47.7	47.8	0.1	0.2%	6.2%	49.2	49.4	0.2	0.4%	6.2%	49.2	
7.4%	45.2	45.4	0.1	0.3%	7.4%	7.4%	46.1	46.1	0.0	0.0%	7.4%	47.7	47.7	0.0	0.0%	7.4%	49.0	49.0	0.0	0.0%	7.4%	49.0	
8.6%	44.9	45.3	0.4	0.8%	8.6%	8.6%	46.1	46.1	0.0	0.0%	8.6%	47.5	47.6	0.1	0.3%	8.6%	47.7	48.9	0.2	0.4%	8.6%	47.7	
9.9%	44.8	44.9	0.1	0.2%	9.9%	9.9%	45.9	45.9	0.0	0.0%	9.9%	47.4	47.6	0.2	0.4%	9.9%	48.5	48.8	0.3	0.7%	9.9%	48.5	
11.1%	44.8	44.8	0.0	0.1%	11.1%	11.1%	45.8	45.9	0.1	0.2%	11.1%	47.4	47.5	0.1	0.3%	11.1%	48.4	48.6	0.1	0.3%	11.1%	48.4	
12.3%	44.8	44.8	0.0	0.0%	12.3%	12.3%	45.8	45.8	0.0	0.1%	12.3%	47.3	47.4	0.1	0.1%	12.3%	48.4	48.5	0.1	0.1%	12.3%	48.4	
13.6%	44.7	44.7	0.0	0.1%	13.6%	13.6%	45.7	45.8	0.1	0.2%	13.6%	47.3	47.4	0.1	0.1%	13.6%	48.4	48.5	0.0	0.1%	13.6%	48.4	
14.8%	44.7	44.7	0.0	0.1%	14.8%	14.8%	45.7	45.7	0.0	0.0%	14.8%	47.2	47.3	0.1	0.2%	14.8%	48.3	48.4	0.2	0.4%	14.8%	48.3	
16.0%	44.7	44.7	0.0	0.1%	16.0%	16.0%	45.7	45.7	0.0	0.0%	16.0%	47.2	47.3	0.1	0.3%	16.0%	48.2	48.3	0.1	0.1%	16.0%	48.2	
17.3%	44.6	44.7	0.1	0.2%	17.3%	17.3%	45.7	45.7	0.0	0.0%	17.3%	47.1	47.2	0.1	0.1%	17.3%	48.2	48.2	0.0	0.1%	17.3%	48.2	
18.5%	44.5	44.6	0.0	0.1%	18.5%	18.5%	45.6	45.7	0.0	0.1%	18.5%	47.0	47.1	0.1	0.3%	18.5%	48.2	48.2	0.0	0.1%	18.5%	48.2	
19.8%	44.5	44.6	0.1	0.2%	19.8%	19.8%	45.5	45.5	0.0	0.1%	19.8%	47.0	47.1	0.1	0.2%	19.8%	48.1	48.2	0.0	0.1%	19.8%	48.1	
21.0%	44.4	44.5	0.1	0.3%	21.0%	21.0%	45.4	45.4	0.0	0.0%	21.0%	47.0	47.0	0.0	0.1%	21.0%	48.1	48.2	0.0	0.1%	21.0%	48.1	
22.2%	44.3	44.3	0.0	0.0%	22.2%	22.2%	45.4	45.4	0.0	0.0%	22.2%	46.9	47.0	0.1	0.1%	22.2%	48.1	48.2	0.0	0.1%	22.2%	48.1	
23.5%	44.3	44.3	0.0	0.1%	23.5%	23.5%	45.3	45.3	0.0	0.0%	23.5%	46.9	46.9	0.0	0.0%	23.5%	48.1	48.1	0.0	0.0%	23.5%	48.1	
24.7%	44.3	44.3	0.1	0.1%	24.7%	24.7%	45.3	45.3	0.1	0.2%	24.7%	46.9	46.9	0.0	0.1%	24.7%	48.1	48.1	0.0	0.0%	24.7%	48.1	
25.9%	44.3	44.3	0.0	0.0%	25.9%	25.9%	45.2	45.3	0.1	0.1%	25.9%	46.8	46.9	0.1	0.2%	25.9%	48.1	48.1	0.0	0.1%	25.9%	48.1	
27.2%	44.2	44.3	0.1	0.1%	27.2%	27.2%	45.2	45.2	0.0	0.0%	27.2%	46.7	46.8	0.1	0.1%	27.2%	48.1	48.1	0.0	0.0%	27.2%	48.1	
28.4%	44.2	44.3	0.0	0.0%	28.4%	28.4%	45.1	45.1	-0.1	-0.2%	28.4%	46.7	46.8	0.1	0.1%	28.4%	48.0	48.0	0.1	0.2%	28.4%	48.0	
29.6%	44.1	44.2	0.1	0.2%	29.6%	29.6%	45.2	45.1	-0.1	-0.2%	29.6%	46.7	46.7	0.0	0.0%	29.6%	47.9	48.0	0.1	0.1%	29.6%	47.9	
30.9%	44.1	44.1	0.0	0.0%	30.9%	30.9%	45.2	45.1	0.0	-0.1%	30.9%	46.7	46.7	0.0	0.0%	30.9%	47.9	47.9	0.0	0.1%	30.9%	47.9	
32.1%	44.1	44.1	0.0	0.1%	32.1%	32.1%	45.1	45.1	0.0	-0.1%	32.1%	46.6	46.7	0.1	0.2%	32.1%	47.9	47.9	0.0	0.0%	32.1%	47.9	
33.3%	44.1	44.1	0.0	0.0%	33.3%	33.3%	45.1	45.1	0.0	0.0%	33.3%	46.6	46.7	0.1	0.3%	33.3%	47.8	47.8	0.0	0.0%	33.3%	47.8	
34.6%	44.1	44.1	0.0	0.0%	34.6%	34.6%	45.1	45.1	0.0	0.0%	34.6%	46.6	46.7	0.1	0.2%	34.6%	47.8	47.8	0.0	-0.1%	34.6%	47.8	
35.8%	44.0	44.1	0.0	0.1%	35.8%	35.8%	45.0	45.1	0.1	0.2%	35.8%	46.5	46.6	0.1	0.1%	35.8%	47.8	47.8	-0.1	-0.1%	35.8%	47.8	
37.0%	44.0	44.1	0.0	0.1%	37.0%	37.0%	45.0	45.0	0.1	0.2%	37.0%	46.5	46.5	0.0	0.1%	37.0%	47.8	47.8	0.0	-0.1%	37.0%	47.8	
38.3%	44.0	44.1	0.0	0.1%	38.3%	38.3%	44.9	45.0	0.1	0.2%	38.3%	46.5	46.5	0.0	0.0%	38.3%	47.8	47.7	0.0	-0.1%	38.3%	47.7	
39.5%	44.0	44.0	0.0	0.1%	39.5%	39.5%	44.9	45.0	0.1	0.1%	39.5%	46.5	46.5	0.0	0.0%	39.5%	47.8	47.7	0.0	-0.1%	39.5%	47.7	
40.7%	43.9	44.0	0.1	0.3%	40.7%	40.7%	44.9	45.0	0.1	0.2%	40.7%	46.5	46.5	0.0	0.1%	40.7%	47.7	47.7	0.0	0.0%	40.7%	47.7	
42.0%	43.9	43.9	0.0	0.0%	42.0%	42.0%	44.9	44.9	0.0	0.1%	42.0%	46.5	46.5	0.0	0.1%	42.0%	47.7	47.7	0.0	-0.1%	42.0%	47.7	
43.2%	43.9	43.9	0.0	0.0%	43.2%	43.2%	44.8	44.9	0.1	0.2%	43.2%	46.4	46.5	0.0	0.1%	43.2%	47.7	47.7	-0.1	-0.1%	43.2%	47.7	
44.4%	43.9	43.9	0.0	0.1%	44.4%	44.4%	44.8	44.8	0.1	0.1%	44.4%	46.4	46.5	0.0	0.1%	44.4%	47.7	47.6	0.0	-0.1%	44.4%	47.7	
45.7%	43.9	43.9	0.0	0.0%	45.7%	45.7%	44.8	44.8	0.1	0.1%	45.7%	46.4	46.4	0.0	-0.1%	45.7%	47.6	47.6	0.0	-0.1%	45.7%	47.6	
46.9%	43.8	43.8	0.0	0.0%	46.9%	46.9%	44.8	44.8	0.0	0.1%	46.9%	46.4	46.4	0.0	-0.1%	46.9%	47.6	47.6	0.0	0.0%	46.9%	47.6	
48.1%	43.8	43.8	0.0	-0.1%	48.1%	48.1%	44.8	44.8	0.0	0.1%	48.1%	46.3	46.3	0.1	0.1%	48.1%	47.6	47.5	-0.1	-0.1%	48.1%	47.5	
49.4%	43.8	43.8	0.0	0.0%	49.4%	49.4%	44.7	44.8	0.0	0.1%	49.4%	46.2	46.3	0.1	0.1%	49.4%	47.5	47.5	0.0	0.0%	49.4%	47.5	
50.6%	43.7	43.7	0.0	0.0%	50.6%	50.6%	44.7	44.8	0.0	0.1%	50.6%	46.2	46.2	0.1	0.1%	50.6%	47.5	47.5	0.0	-0.1%	50.6%	47.5	
51.9%	43.7	43.7	0.0	0.0%	51.9%	51.9%	44.7	44.8	0.0	0.1%	51.9%	46.2	46.2	0.0	0.1%	51.9%	47.5	47.5	0.0	0.0%	51.9%	47.5	
53.1%	43.7	43.7	0.0	0.0%	53.1%	53.1%	44.7	44.7	0.0	0.1%	53.1%	46.2	46.2	0.0	0.1%	53.1%	47.5	47.5	0.0	0.0%	53.1%	47.5	
54.3%	43.6	43.7	0.0	0.1%	54.3%	54.3%	44.7	44.7	0.1	0.2%	54.3%	46.1	46.2	0.1	0.1%	54.3%	47.5	47.5	0.0	0.0%	54.3%	47.5	
55.6%	43.6	43.6	0.0	-0.1%	55.6%	55.6%	44.6	44.7	0.1	0.2%	55.6%	46.1	46.1	0.0	0.0%	55.6%	47.5	47.4	0.0	0.0%	55.6%	47.5	
56.8%	43.6	43.5	-0.1	-0.1%	56.8%	56.8%	44.6	44.7	0.1	0.2%	56.8%	46.1	46.1	0.0	0.0%	56.8%	47.5	47.4	0.0	0.0%	56.8%	47.4	
58.0%	43.5	43.5	0.0	0.0%	58.0%	58.0%	44.6	44.7	0.1	0.2%	58.0%	46.1	46.1	0.0	0.1%	58.0%	47.4	47.4	0.0	-0.1%	58.0%	47.4	
59.3%	43.5	43.5	0.0	0.1%	59.3%	59.3%	44.6	44.7	0.1	0.3%	59.3%	46.1	46.1	0.0	0.1%	59.3%	47.4	47.4	-0.1	-0.1%	59.3%	47.4	
60.5%	43.5	43.5	0.0	0.0%	60.5%	60.5%	44.6	44.7	0.1	0.3%	60.5%	46.0	46.1	0.0	0.1%	60.5%	47.3	47.3	0.0	0.0%	60.5%	47.3	
61.7%	43.5	43.5	0.0	0.0%	61.7%	61.7%	44.6	44.7	0.1	0.2%	61.7%	46.0	46.0	0.0	0.0%	61.7%	47.3	47.3	0.0	0.0%	61.7%	47.3	
63.0%	43.5	43.5	0.0	0.0%	63.0%	63.0%	44.6	44.7	0.1	0.2%	63.0%	46.0	46.0	0.0	0.0%	63.0%	47.3	47.3	0.0	0.0%	63.0%	47.3	
64.2%	43.4	43.4	0.0	0.1%	64.2%	64.2%	44.6	44.6	0.0	0.0%	64.2%	46.0	46.0	0.0	0.0%	64.2%	47.3	47.3	0.0	0.0%	64.2%	47.3	
65.4%	43.4	43.4	0.0	0.0%	65.4%	65.4%	44.5	44.6	0.0	0.1%	65.4%	46.0	46.0	0.0	0.0%	65.4%	47.3	47.3	0.1	0.1%	65.4%	47.3	
66.7%	43.4	43.4	0.0	0.0%	66.7%	66.7%	44.5	44.5	0.0	0.0%	66.7%	45.9	45.9	0.0	0.0%	66.7%	47.3	47.3	0.0	0.0%	66.7%	47.3	
67.9%	43.3	43.4	0.0	0.1%	67.9%	67.9%	44.5	44.5	0.0	0.0%	67.9%	45.9	45.9	-0.1	-0.1%	67.9%	47.2	47.2	-0.1	-0.1%	67.9%	47.2	
69.1%	43.3	43.4	0.0	0.1%	69.1%	69.1%	44.5	44.5	0.0	0.0%	69.1%	45.9	45.9	0.0	-0.1%	69.1%	47.1	47.2	0.1	0.2%	69.1%	47.1	
70.4%	43.3	43.3	0.0	0.1%	70.4%	70.4%	44.5	44.5	0.0	-0.1%	70.4%	45.8	45.8	0.1	0.2%	70.4%	47.1	47.2	0.1	0.2%	70.4%	47.1	
71.6%	43.3	43.3	0.0	0.1%	71.6%	71.6%	44.4	44.4	-0.1	-0.2%	71.6%	45.7	45.8	0.1									

Table SQ13-1b  
Clear Creek below Whiskeytown, Monthly Temperature

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	51.6	52.6	0.9	1.8%	
1.2%	51.6	51.7	0.1	0.1%	
2.5%	51.5	51.6	0.1	0.2%	
3.7%	51.1	51.2	0.0	0.0%	
4.9%	51.0	51.1	0.1	0.2%	
6.2%	50.8	51.0	0.2	0.3%	
7.4%	50.8	50.8	0.0	0.0%	
8.6%	50.8	50.3	-0.5	-0.9%	
9.9%	50.4	50.2	-0.1	-0.2%	
11.1%	50.3	50.2	-0.1	-0.2%	
12.3%	50.2	50.2	-0.1	-0.1%	
13.6%	50.2	50.0	-0.2	-0.4%	
14.8%	50.1	50.0	-0.1	-0.3%	
16.0%	50.0	49.9	-0.1	-0.1%	
17.3%	49.9	49.9	0.0	0.0%	
18.5%	49.9	49.8	-0.1	-0.3%	
19.8%	49.7	49.8	0.1	0.1%	
21.0%	49.7	49.8	0.1	0.1%	
22.2%	49.7	49.7	0.0	0.0%	
23.5%	49.6	49.6	0.0	0.0%	
24.7%	49.6	49.6	0.0	0.0%	
25.9%	49.6	49.6	0.0	0.1%	
27.2%	49.6	49.6	0.0	0.0%	
28.4%	49.5	49.6	0.0	0.1%	
29.6%	49.5	49.5	0.0	0.0%	
30.9%	49.5	49.5	0.0	0.0%	
32.1%	49.5	49.4	0.0	-0.1%	
33.3%	49.4	49.4	-0.1	-0.1%	
34.6%	49.4	49.4	-0.1	-0.1%	
35.8%	49.4	49.4	-0.1	-0.1%	
37.0%	49.4	49.4	0.0	0.0%	
38.3%	49.3	49.2	0.0	-0.1%	
39.5%	49.2	49.2	0.0	-0.1%	
40.7%	49.2	49.2	0.0	-0.1%	
42.0%	49.2	49.2	0.0	-0.1%	
43.2%	49.1	49.1	-0.1	-0.1%	
44.4%	49.1	49.1	-0.1	-0.1%	
45.7%	49.1	49.1	0.0	0.0%	
46.9%	49.1	49.0	0.0	-0.1%	
48.1%	49.1	49.0	0.0	-0.1%	
49.4%	49.1	49.0	0.0	0.0%	
50.6%	49.1	49.0	0.0	0.0%	
51.9%	49.1	49.0	0.0	-0.1%	
53.1%	49.0	49.0	0.0	0.0%	
54.3%	49.0	48.9	0.0	-0.1%	
55.6%	49.0	48.9	0.0	0.0%	
56.8%	49.0	48.9	-0.1	-0.1%	
58.0%	48.9	48.9	0.0	-0.1%	
59.3%	48.9	48.9	0.0	-0.1%	
60.5%	48.9	48.9	0.0	-0.1%	
61.7%	48.9	48.9	0.0	0.0%	
63.0%	48.9	48.9	0.0	0.0%	
64.2%	48.9	48.8	0.0	0.0%	
65.4%	48.8	48.8	0.0	0.0%	
66.7%	48.7	48.8	0.0	0.1%	
67.9%	48.7	48.8	0.0	0.1%	
69.1%	48.7	48.7	0.0	0.0%	
70.4%	48.7	48.7	0.0	0.0%	
71.6%	48.6	48.6	0.0	0.0%	
72.8%	48.6	48.6	0.0	0.0%	
74.1%	48.6	48.5	0.0	-0.1%	
75.3%	48.6	48.5	0.0	-0.1%	
76.5%	48.5	48.5	-0.1	-0.1%	
77.8%	48.5	48.3	-0.2	-0.4%	
79.0%	48.4	48.3	-0.1	-0.2%	
80.2%	48.3	48.3	0.0	0.0%	
81.5%	48.3	48.3	0.0	0.0%	
82.7%	48.3	48.2	-0.1	-0.1%	
84.0%	48.1	48.1	0.0	0.0%	
85.2%	48.1	48.1	0.0	0.0%	
86.4%	48.0	48.0	-0.1	-0.2%	
87.7%	48.0	47.9	-0.1	-0.1%	
88.9%	48.0	47.9	-0.1	-0.1%	
90.1%	47.8	47.9	0.0	0.0%	
91.4%	47.8	47.8	0.0	0.0%	
92.6%	47.7	47.7	0.0	0.1%	
93.8%	47.6	47.6	0.0	0.0%	
95.1%	47.5	47.5	0.0	0.0%	
96.3%	47.3	47.3	-0.1	-0.2%	
97.5%	47.0	46.9	-0.1	-0.3%	
98.8%	46.7	46.7	0.0	0.0%	
100.0%	46.7	46.7	0.0	0.0%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	53.5	53.5	0.0	0.0%	
1.2%	53.4	53.1	-0.2	-0.4%	
2.5%	53.1	53.0	-0.1	-0.2%	
3.7%	53.0	53.0	0.0	-0.1%	
4.9%	52.9	52.9	0.0	0.0%	
6.2%	52.8	52.8	0.0	0.0%	
7.4%	52.5	52.8	0.0	0.0%	
8.6%	52.5	52.4	-0.1	-0.1%	
9.9%	52.5	52.4	-0.1	-0.2%	
11.1%	52.4	52.3	-0.1	-0.1%	
12.3%	52.2	52.3	0.1	0.1%	
13.6%	52.2	52.1	-0.1	-0.2%	
14.8%	52.1	51.8	-0.3	-0.6%	
16.0%	52.0	51.8	-0.2	-0.3%	
17.3%	51.8	51.7	-0.1	-0.1%	
18.5%	51.7	51.7	0.0	0.0%	
19.8%	51.7	51.7	0.0	0.0%	
21.0%	51.7	51.6	-0.1	-0.2%	
22.2%	51.6	51.6	0.0	0.0%	
23.5%	51.5	51.5	0.0	0.1%	
24.7%	51.5	51.5	0.0	0.1%	
25.9%	51.5	51.5	0.0	0.0%	
27.2%	51.5	51.5	0.0	0.0%	
28.4%	51.4	51.4	0.0	0.1%	
29.6%	51.4	51.4	0.0	0.1%	
30.9%	51.3	51.3	0.0	0.0%	
32.1%	51.3	51.2	-0.1	-0.2%	
33.3%	51.3	51.2	-0.1	-0.2%	
34.6%	51.3	51.2	-0.1	-0.2%	
35.8%	51.2	51.1	-0.1	-0.2%	
37.0%	51.2	51.1	-0.1	-0.2%	
38.3%	51.2	51.1	0.0	-0.1%	
39.5%	51.1	51.1	0.0	-0.1%	
40.7%	51.1	51.1	0.0	0.0%	
42.0%	51.1	51.0	-0.1	-0.1%	
43.2%	51.1	51.0	-0.1	-0.1%	
44.4%	51.1	51.0	-0.1	-0.1%	
45.7%	51.1	51.0	-0.1	-0.1%	
46.9%	51.0	51.0	0.0	-0.1%	
48.1%	51.0	51.0	0.0	0.0%	
49.4%	51.0	51.0	0.0	0.0%	
50.6%	50.9	50.9	0.0	0.0%	
51.9%	50.9	50.9	0.0	0.0%	
53.1%	50.9	50.8	0.0	-0.1%	
54.3%	50.9	50.8	0.0	-0.1%	
55.6%	50.9	50.8	0.0	-0.1%	
56.8%	50.8	50.7	-0.1	-0.3%	
58.0%	50.8	50.7	-0.1	-0.3%	
59.3%	50.8	50.7	-0.1	-0.2%	
60.5%	50.7	50.7	-0.1	-0.1%	
61.7%	50.7	50.6	-0.1	-0.1%	
63.0%	50.6	50.6	0.0	0.0%	
64.2%	50.6	50.6	0.0	0.0%	
65.4%	50.6	50.6	0.0	0.0%	
66.7%	50.6	50.5	0.0	0.0%	
67.9%	50.5	50.5	0.0	0.0%	
69.1%	50.5	50.5	0.0	-0.1%	
70.4%	50.5	50.5	0.0	-0.1%	
71.6%	50.5	50.5	0.0	0.0%	
72.8%	50.5	50.5	0.0	0.0%	
74.1%	50.4	50.5	0.0	0.1%	
75.3%	50.4	50.5	0.1	0.1%	
76.5%	50.4	50.4	0.0	0.0%	
77.8%	50.4	50.3	-0.1	-0.1%	
79.0%	50.3	50.3	0.0	0.0%	
80.2%	50.3	50.2	-0.0	-0.1%	
81.5%	50.3	50.1	-0.1	-0.2%	
82.7%	50.2	50.1	-0.1	-0.2%	
84.0%	50.2	50.1	-0.1	-0.2%	
85.2%	50.1	50.0	0.0	-0.1%	
86.4%	50.1	50.0	-0.1	-0.2%	
87.7%	50.0	49.9	-0.1	-0.2%	
88.9%	49.9	49.9	-0.1	-0.1%	
90.1%	49.8	49.8	-0.1	-0.1%	
91.4%	49.8	49.8	0.0	0.0%	
92.6%	49.7	49.6	-0.1	-0.1%	
93.8%	49.6	49.5	-0.2	-0.4%	
95.1%	49.4	49.3	-0.1	-0.1%	
96.3%	49.2	49.3	0.1	0.3%	
97.5%	48.5	48.5	0.0	0.0%	
98.8%	48.5	48.3	-0.1	-0.3%	
100.0%	48.5	48.3	-0.1	-0.3%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.3	54.1	-0.2	-0.4%	
1.2%	54.2	54.0	-0.2	-0.4%	
2.5%	54.2	54.0	-0.2	-0.3%	
3.7%	54.0	54.0	-0.1	-0.1%	
4.9%	54.0	53.9	-0.1	-0.2%	
6.2%	53.7	53.6	-0.1	-0.2%	
7.4%	53.6	53.6	0.0	0.0%	
8.6%	53.5	53.5	0.0	0.0%	
9.9%	53.5	53.4	-0.2	-0.3%	
11.1%	53.5	53.4	-0.2	-0.3%	
12.3%	53.5	53.3	-0.2	-0.3%	
13.6%	53.4	53.2	-0.2	-0.4%	
14.8%	53.3	53.1	-0.2	-0.3%	
16.0%	53.1	53.1	0.0	0.0%	
17.3%	52.9	53.0	0.1	0.1%	
18.5%	52.9	53.0	0.1	0.1%	
19.8%	52.9	53.0	0.1	0.1%	
21.0%	52.9	52.8	-0.1	-0.1%	
22.2%	52.8	52.8	0.0	-0.1%	
23.5%	52.8	52.8	0.0	0.0%	
24.7%	52.8	52.8	0.0	0.0%	
25.9%	52.7	52.7	0.0	0.0%	
27.2%	52.7	52.7	0.0	0.0%	
28.4%	52.6	52.6	0.0	0.1%	
29.6%	52.6	52.7	0.1	0.1%	
30.9%	52.6	52.6	0.0	0.1%	
32.1%	52.5	52.6	0.1	0.1%	
33.3%	52.5	52.6	0.1	0.2%	
34.6%	52.4	52.5	0.1	0.1%	
35.8%	52.4	52.4	0.0	0.0%	
37.0%	52.4	52.4	0.0	0.0%	
38.3%	52.4	52.4	0.0	-0.1%	
39.5%	52.4	52.4	0.0	0.0%	
40.7%	52.2	52.3	0.0	0.0%	
42.0%	52.2	52.2	0.0	0.0%	
43.2%	52.2	52.2	0.0	0.0%	
44.4%	52.2	52.2	-0.1	-0.1%	
45.7%	52.2	52.1	-0.1	-0.2%	
46.9%	52.2	52.1	-0.1	-0.2%	
48.1%	52.1	52.0	-0.1	-0.2%	
49.4%	52.0	52.0	0.0	0.0%	
50.6%	52.0	52.0	0.0	-0.1%	
51.9%	52.0	52.0	0.0	-0.1%	
53.1%	52.0	51.9	-0.1	-0.1%	
54.3%	52.0	51.9	-0.1	-0.2%	
55.6%	51.9	51.9	-0.1	-0.1%	
56.8%	51.9	51.8	0.0	-0.1%	
58.0%	51.8	51.8	0.0	-0.1%	
59.3%	51.8	51.8	-0.1	-0.1%	
60.5%	51.8	51.7	0.0	-0.1%	
61.7%	51.8	51.7	-0.1	-0.2%	
63.0%	51.7	51.6	0.0	-0.1%	
64.2%	51.7	51.6	-0.1	-0.1%	
65.4%	51.6	51.6	-0.1	-0.1%	
66.7%	51.6	51.5	-0.1	-0.2%	
67.9%	51.6	51.5	-0.1	-0.3%	
69.1%	51.6	51.4	-0.2	-0.3%	
70.4%	51.5	51.4	-0.1	-0.3%	
71.6%	51.5	51.4	-0.1	-0.2%	
72.8%	51.4	51.3	-0.1	-0.2%	
74.1%	51.4	51.3	-0.1	-0.2%	
75.3%	51.4	51.3	-0.1	-0.2%	
76.5%	51.4	51.3	-0.1	-0.1%	
77.8%	51.3	51.3	0.0	-0.1%	
79.0%	51.2	51.2	-0.1	-0.1%	

Table SQ13-1b  
Clear Creek below Whiskeytown, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	53.3	53.2	-0.1	-0.2%	
1.2%	53.2	53.1	-0.1	-0.1%	
2.5%	53.1	53.1	0.0	-0.1%	
3.7%	53.1	52.9	-0.2	-0.4%	
4.9%	52.9	52.8	-0.1	-0.2%	
6.2%	52.7	52.6	-0.1	-0.2%	
7.4%	52.6	52.6	0.0	-0.1%	
8.6%	52.5	52.4	-0.1	-0.2%	
9.9%	52.5	52.4	-0.1	-0.1%	
11.1%	52.5	52.4	-0.1	-0.2%	
12.3%	52.1	52.1	0.0	0.0%	
13.6%	52.0	52.1	0.1	0.1%	
14.8%	52.0	52.0	0.0	0.0%	
16.0%	52.0	52.0	0.0	0.0%	
17.3%	52.0	52.0	0.0	0.0%	
18.5%	52.0	52.0	0.0	-0.1%	
19.8%	52.0	52.0	0.0	0.0%	
21.0%	51.8	51.9	0.1	0.2%	
22.2%	51.8	51.8	0.0	0.1%	
23.5%	51.8	51.8	0.1	0.1%	
24.7%	51.7	51.8	0.1	0.1%	
25.9%	51.7	51.7	0.0	0.0%	
27.2%	51.7	51.6	-0.1	0.0%	
28.4%	51.6	51.5	-0.1	-0.2%	
29.6%	51.6	51.5	-0.1	-0.2%	
30.9%	51.5	51.5	0.0	0.0%	
32.1%	51.5	51.5	0.0	0.0%	
33.3%	51.5	51.4	0.0	-0.1%	
34.6%	51.5	51.4	-0.1	-0.1%	
35.8%	51.5	51.3	-0.2	-0.3%	
37.0%	51.4	51.3	-0.1	-0.3%	
38.3%	51.3	51.2	-0.1	-0.2%	
39.5%	51.3	51.2	-0.1	-0.2%	
40.7%	51.3	51.2	-0.1	-0.1%	
42.0%	51.2	51.2	-0.1	-0.2%	
43.2%	51.2	51.2	0.0	-0.1%	
44.4%	51.2	51.1	-0.1	-0.2%	
45.7%	51.2	51.0	-0.1	-0.3%	
46.9%	51.1	51.0	-0.1	-0.1%	
48.1%	51.1	51.0	-0.1	-0.1%	
49.4%	51.0	51.0	0.0	0.1%	
50.6%	51.0	51.0	0.0	0.1%	
51.9%	51.0	50.9	0.0	-0.1%	
53.1%	50.9	50.9	0.0	0.0%	
54.3%	50.9	50.8	-0.1	-0.1%	
55.6%	50.8	50.8	0.0	-0.1%	
56.8%	50.8	50.7	-0.1	-0.1%	
58.0%	50.7	50.7	-0.1	-0.1%	
59.3%	50.7	50.7	0.0	-0.1%	
60.5%	50.7	50.7	0.0	-0.1%	
61.7%	50.6	50.6	0.0	0.0%	
63.0%	50.6	50.6	0.0	0.0%	
64.2%	50.6	50.6	0.0	0.0%	
65.4%	50.6	50.6	0.0	0.0%	
66.7%	50.6	50.6	0.0	0.0%	
67.9%	50.6	50.6	0.0	0.0%	
69.1%	50.5	50.5	0.0	0.0%	
70.4%	50.5	50.5	0.0	0.0%	
71.6%	50.5	50.5	0.0	0.0%	
72.8%	50.5	50.5	0.0	0.0%	
74.1%	50.5	50.5	0.0	0.1%	
75.3%	50.4	50.4	0.0	0.0%	
76.5%	50.4	50.4	-0.1	-0.1%	
77.8%	50.4	50.3	-0.1	-0.2%	
79.0%	50.4	50.3	-0.1	-0.2%	
80.2%	50.3	50.3	-0.1	-0.1%	
81.5%	50.3	50.3	-0.1	-0.1%	
82.7%	50.3	50.2	-0.1	-0.2%	
84.0%	50.3	50.2	-0.1	-0.3%	
85.2%	50.3	50.1	-0.2	-0.4%	
86.4%	50.2	50.1	-0.1	-0.1%	
87.7%	50.2	50.1	-0.1	-0.2%	
88.9%	50.1	50.1	0.0	0.0%	
90.1%	50.0	50.0	0.0	-0.1%	
91.4%	49.9	49.9	-0.1	-0.2%	
92.6%	49.9	49.8	0.0	-0.1%	
93.8%	49.9	49.8	-0.1	-0.2%	
95.1%	49.7	49.7	0.0	0.0%	
96.3%	49.6	49.6	-0.1	-0.2%	
97.5%	49.2	48.9	-0.4	-0.7%	
98.8%	48.8	48.6	-0.2	-0.5%	
100.0%	48.7	48.2	-0.5	-1.0%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	54.1	53.9	-0.2	-0.3%	
1.2%	53.8	53.7	-0.1	-0.3%	
2.5%	53.8	53.6	-0.2	-0.4%	
3.7%	53.7	53.5	-0.2	-0.5%	
4.9%	53.7	53.4	-0.3	-0.4%	
6.2%	53.4	53.4	0.0	-0.1%	
7.4%	53.3	53.3	0.0	0.0%	
8.6%	53.2	53.1	-0.1	-0.3%	
9.9%	53.1	53.0	-0.1	-0.1%	
11.1%	53.1	53.0	-0.1	-0.2%	
12.3%	53.0	53.0	0.0	0.0%	
13.6%	52.9	52.9	0.0	0.0%	
14.8%	52.8	52.9	0.0	0.0%	
16.0%	52.8	52.8	0.0	0.1%	
17.3%	52.7	52.8	0.1	0.2%	
18.5%	52.6	52.7	0.1	0.1%	
19.8%	52.6	52.7	0.0	0.1%	
21.0%	52.6	52.7	0.0	0.0%	
22.2%	52.6	52.6	0.0	0.0%	
23.5%	52.6	52.6	0.0	0.0%	
24.7%	52.6	52.5	-0.1	-0.1%	
25.9%	52.6	52.5	-0.1	-0.2%	
27.2%	52.6	52.5	-0.1	-0.2%	
28.4%	52.5	52.4	-0.1	-0.2%	
29.6%	52.4	52.3	-0.1	-0.2%	
30.9%	52.4	52.2	-0.2	-0.3%	
32.1%	52.3	52.2	-0.1	-0.2%	
33.3%	52.2	52.2	0.0	0.0%	
34.6%	52.2	52.2	0.0	0.0%	
35.8%	52.2	52.1	0.0	-0.1%	
37.0%	52.1	52.1	0.0	0.0%	
38.3%	52.0	52.0	0.0	-0.1%	
39.5%	51.9	51.9	0.0	-0.1%	
40.7%	51.9	51.9	0.0	-0.1%	
42.0%	51.9	51.8	-0.1	-0.1%	
43.2%	51.9	51.8	-0.1	-0.1%	
44.4%	51.8	51.8	-0.1	-0.1%	
45.7%	51.8	51.8	0.0	-0.1%	
46.9%	51.7	51.8	0.0	0.1%	
48.1%	51.7	51.6	-0.1	-0.1%	
49.4%	51.7	51.6	0.0	0.0%	
50.6%	51.6	51.5	-0.1	-0.2%	
51.9%	51.6	51.5	-0.1	-0.2%	
53.1%	51.6	51.5	-0.2	-0.3%	
54.3%	51.4	51.4	0.0	0.0%	
55.6%	51.4	51.4	0.0	0.0%	
56.8%	51.4	51.3	0.0	-0.1%	
58.0%	51.4	51.3	-0.1	-0.1%	
59.3%	51.3	51.3	0.0	-0.1%	
60.5%	51.3	51.2	-0.1	-0.2%	
61.7%	51.3	51.2	-0.1	-0.2%	
63.0%	51.3	51.2	-0.1	-0.2%	
64.2%	51.3	51.2	-0.1	-0.2%	
65.4%	51.2	51.1	-0.2	-0.3%	
66.7%	51.2	51.1	-0.1	-0.2%	
67.9%	51.2	51.1	-0.1	-0.2%	
69.1%	51.1	51.1	-0.1	-0.1%	
70.4%	51.1	51.1	-0.1	-0.1%	
71.6%	51.1	51.0	0.0	-0.1%	
72.8%	51.1	51.0	0.0	0.0%	
74.1%	51.0	51.0	0.0	0.0%	
75.3%	51.0	51.0	0.0	0.0%	
76.5%	51.0	51.0	0.0	0.1%	
77.8%	50.9	50.9	0.0	0.0%	
79.0%	50.9	50.9	0.0	-0.1%	
80.2%	50.9	50.9	-0.1	-0.1%	
81.5%	50.9	50.8	-0.1	-0.1%	
82.7%	50.9	50.8	0.0	-0.1%	
84.0%	50.9	50.8	-0.1	-0.1%	
85.2%	50.8	50.8	0.0	-0.1%	
86.4%	50.7	50.7	0.0	0.0%	
87.7%	50.7	50.7	0.0	0.1%	
88.9%	50.6	50.6	0.0	0.0%	
90.1%	50.6	50.6	-0.1	-0.2%	
91.4%	50.5	50.5	-0.1	-0.2%	
92.6%	50.5	50.4	-0.1	-0.2%	
93.8%	50.5	50.4	-0.1	-0.2%	
95.1%	50.3	50.3	0.0	0.0%	
96.3%	50.2	50.0	-0.1	-0.2%	
97.5%	50.0	49.8	-0.1	-0.3%	
98.8%	49.8	49.2	-0.5	-1.1%	
100.0%	49.4	48.7	-0.7	-1.4%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	55.3	55.0	-0.3	-0.5%	
1.2%	54.5	54.2	-0.2	-0.4%	
2.5%	54.2	54.2	0.0	0.0%	
3.7%	54.1	54.0	-0.1	-0.3%	
4.9%	54.0	54.0	0.0	-0.1%	
6.2%	53.9	53.9	-0.1	-0.1%	
7.4%	53.8	53.8	-0.1	-0.1%	
8.6%	53.7	53.7	0.0	0.0%	
9.9%	53.7	53.7	0.0	0.0%	
11.1%	53.6	53.6	0.1	0.1%	
12.3%	53.6	53.5	-0.1	-0.2%	
13.6%	53.5	53.5	-0.1	-0.1%	
14.8%	53.5	53.4	0.0	-0.1%	
16.0%	53.4	53.4	0.0	0.0%	
17.3%	53.4	53.4	0.0	0.0%	
18.5%	53.4	53.4	0.0	-0.1%	
19.8%	53.4	53.3	-0.1	-0.2%	
21.0%	53.4	53.3	-0.1	-0.1%	
22.2%	53.3	53.3	0.0	0.0%	
23.5%	53.2	53.1	-0.1	-0.2%	
24.7%	53.2	53.0	-0.2	-0.3%	
25.9%	53.2	53.0	-0.2	-0.4%	
27.2%	53.0	52.9	-0.1	-0.1%	
28.4%	52.9	52.8	-0.2	-0.2%	
29.6%	52.8	52.7	-0.1	-0.1%	
30.9%	52.8	52.7	-0.1	-0.1%	
32.1%	52.7	52.6	-0.1	-0.2%	
33.3%	52.6	52.5	0.0	0.0%	
34.6%	52.6	52.5	0.0	0.0%	
35.8%	52.5	52.5	-0.1	-0.1%	
37.0%	52.5	52.5	0.0	0.0%	
38.3%	52.5	52.5	0.0	0.0%	
39.5%	52.4	52.5	0.0	0.1%	
40.7%	52.4	52.4	0.0	0.0%	
42.0%	52.4	52.3	-0.1	-0.2%	
43.2%	52.3	52.3	0.0	-0.1%	
44.4%	52.3	52.3	0.0	0.0%	
45.7%	52.2	52.2	-0.1	-0.1%	
46.9%	52.2	52.2	0.0	-0.1%	
48.1%	52.1	52.1	0.0	0.1%	
49.4%	52.1	52.1	0.0	0.0%	
50.6%	52.1	51.9	-0.2	-0.3%	
51.9%	52.0	51.8	-0.2	-0.4%	
53.1%	52.0	51.7	-0.2	-0.4%	
54.3%	52.0	51.7	-0.3	-0.5%	
55.6%	51.8	51.6	-0.2	-0.4%	
56.8%	51.8	51.6	-0.2	-0.4%	
58.0%	51.8	51.5	-0.3	-0.5%	
59.3%	51.8	51.5	-0.2	-0.5%	
60.5%	51.7	51.5	-0.2	-0.4%	
61.7%	51.6	51.5	-0.1	-0.2%	
63.0%	51.5	51.4	-0.1	-0.2%	
64.2%	51.4	51.4	0.0	0.0%	
65.4%	51.3	51.4	0.1	0.1%	
66.7%	51.3	51.4	0.0	0.0%	
67.9%	51.3	51.3	0.1	0.2%	
69.1%	51.3	51.3	0.1	0.1%	
70.4%	51.3	51.3	0.0	0.0%	
71.6%	51.2	51.3	0.0	0.0%	
72.8%	51.2	51.2	0.0	0.0%	
74.1%	51.2	51.2	0.0	0.0%	
75.3%	51.2	51.1	0.0	-0.1%	
76.5%	51.1	51.1	0.0	0.0%	
77.8					

Table SQ14-1a  
Clear Creek at Igo, Monthly Temperature  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Full Simulation Period<sup>1</sup></b>												
DCR 2015 Without Project	52.6	50.3	46.3	44.2	44.3	45.5	47.3	48.6	50.9	54.6	55.1	53.5
DCR 2015 With Project	52.6	50.3	46.3	44.2	44.3	45.5	47.3	48.6	50.9	54.6	55.0	53.4
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
Percent Difference <sup>3</sup>	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (32%)</b>												
DCR 2015 Without Project	51.1	49.7	46.0	43.9	43.9	45.0	46.9	48.5	50.6	54.5	54.8	52.4
DCR 2015 With Project	51.2	49.7	46.0	43.9	44.0	45.1	46.9	48.5	50.6	54.5	54.7	52.4
Difference	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0
Percent Difference	0.1%	0.1%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.0%	-0.1%	-0.2%	-0.1%	0.0%
<b>Above Normal (15%)</b>												
DCR 2015 Without Project	51.9	49.8	46.0	44.3	44.3	45.4	47.2	48.7	51.0	54.8	54.9	52.8
DCR 2015 With Project	51.8	49.8	46.0	44.4	44.3	45.4	47.1	48.7	51.0	54.8	54.8	52.6
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
Percent Difference	-0.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.2%	-0.4%
<b>Below Normal (17%)</b>												
DCR 2015 Without Project	52.9	50.2	46.4	43.9	43.8	45.2	46.9	48.0	50.2	54.1	54.8	53.6
DCR 2015 With Project	52.7	50.3	46.3	43.8	43.8	45.2	47.0	48.1	50.4	54.2	54.8	53.3
Difference	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	-0.3
Percent Difference	-0.4%	0.1%	-0.1%	-0.1%	0.0%	0.1%	0.1%	0.3%	0.4%	0.3%	0.0%	-0.6%
<b>Dry (22%)</b>												
DCR 2015 Without Project	53.2	50.6	46.4	44.2	44.5	45.8	47.5	48.4	50.8	54.6	55.2	53.9
DCR 2015 With Project	53.2	50.6	46.4	44.1	44.5	45.8	47.5	48.4	50.8	54.6	55.3	53.8
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Percent Difference	-0.1%	0.0%	-0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	-0.1%
<b>Critical (15%)</b>												
DCR 2015 Without Project	55.2	51.5	47.0	45.2	45.4	46.7	48.5	49.6	52.7	55.2	56.0	56.0
DCR 2015 With Project	55.2	51.4	47.0	45.2	45.4	46.7	48.5	49.5	52.5	55.0	55.9	55.9
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.1	0.0
Percent Difference	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.4%	-0.3%	-0.2%	0.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

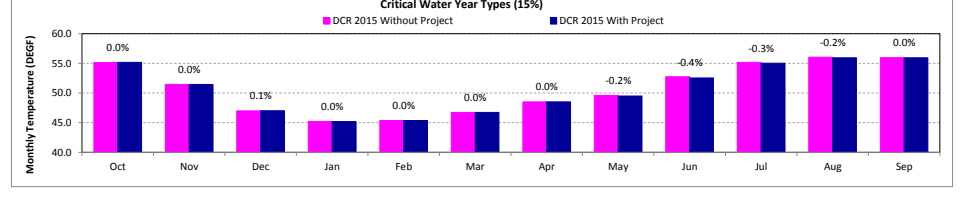
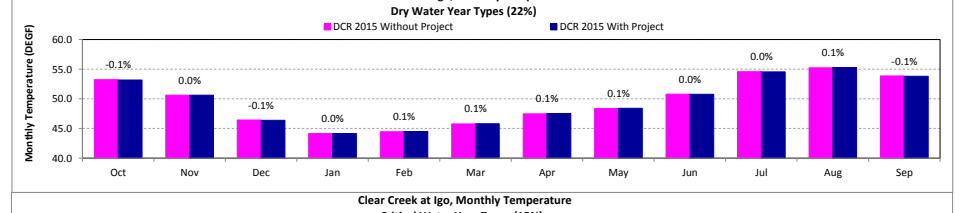
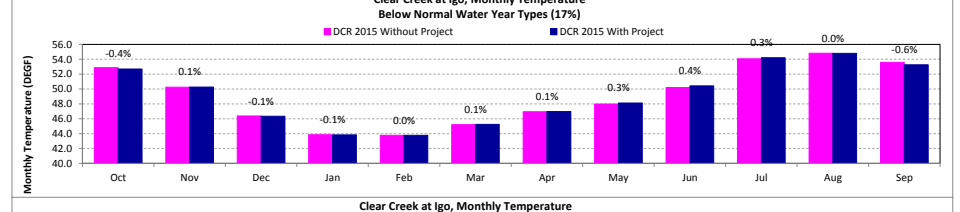
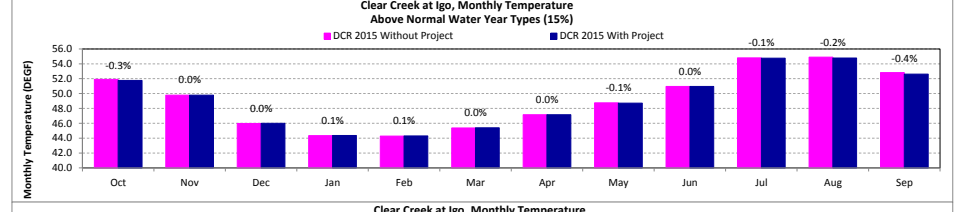
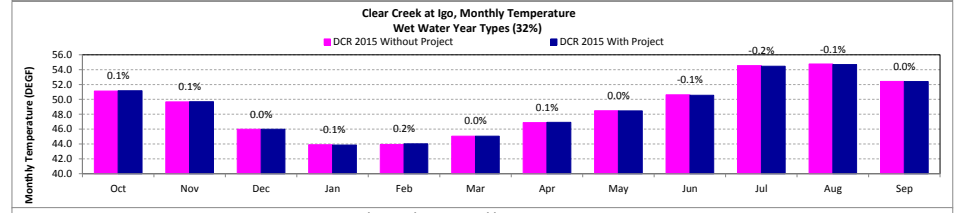
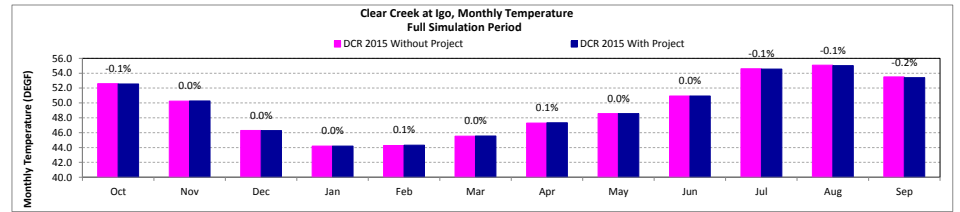




Figure SQ14-1b  
Clear Creek at Igo, Monthly Temperature  
Probability of Exceedance

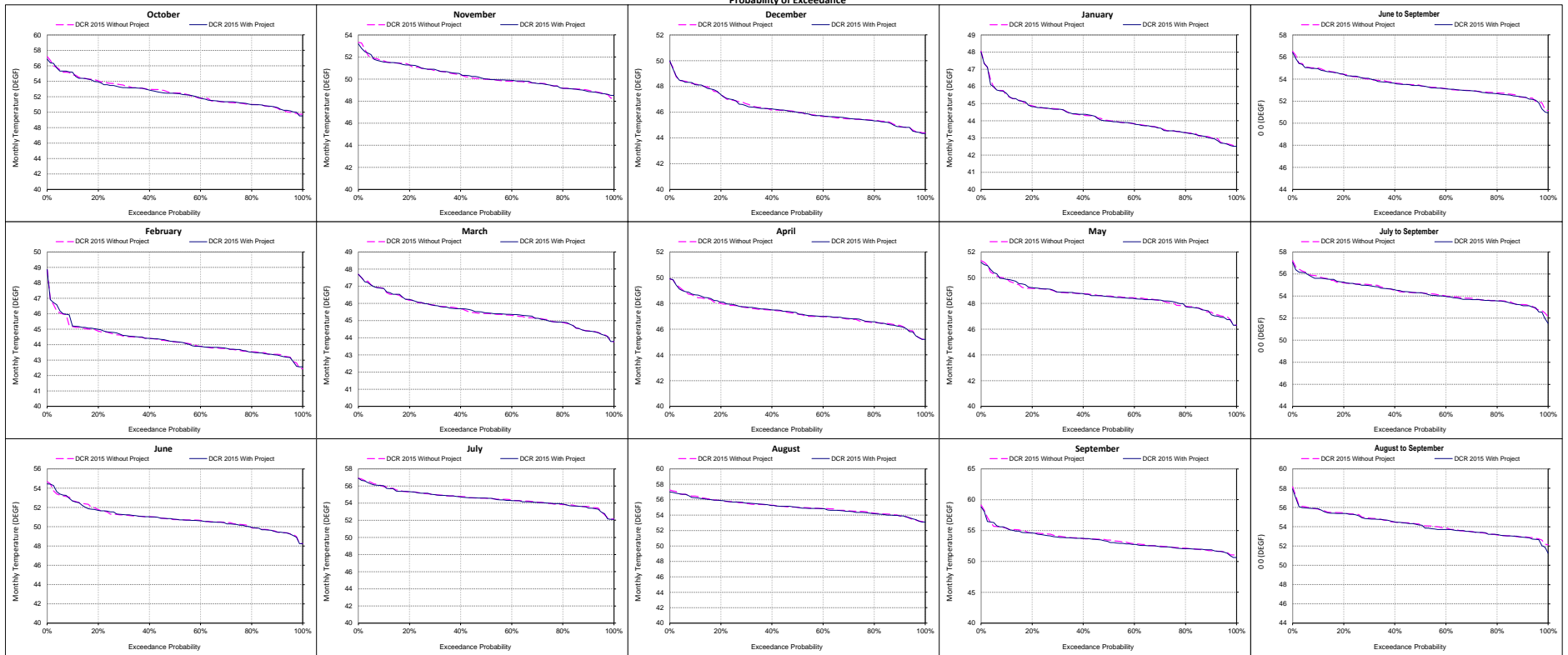


Table SQ14-1b  
Clear Creek at Igo, Monthly Temperature  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	57.2	56.9	-0.3	-0.6%	
1.2%	56.7	56.4	-0.3	-0.5%	
2.5%	56.0	56.3	0.3	0.6%	
3.7%	55.8	55.7	-0.1	-0.2%	
4.9%	55.5	55.3	-0.2	-0.3%	
6.2%	55.2	55.3	0.1	0.3%	
7.4%	55.2	55.3	0.1	0.3%	
8.6%	55.1	55.2	0.1	0.2%	
9.9%	54.8	55.2	0.4	0.7%	
11.1%	54.8	54.6	-0.2	-0.3%	
12.3%	54.5	54.4	-0.1	-0.2%	
13.6%	54.4	54.4	0.0	-0.1%	
14.8%	54.4	54.3	0.0	-0.1%	
16.0%	54.3	54.3	0.0	0.0%	
17.3%	54.3	54.2	-0.1	-0.2%	
18.5%	54.2	54.0	-0.2	-0.5%	
19.8%	54.1	53.9	-0.2	-0.3%	
21.0%	53.9	53.8	-0.1	-0.2%	
22.2%	53.9	53.6	-0.3	-0.6%	
23.5%	53.8	53.6	-0.2	-0.4%	
24.7%	53.7	53.5	-0.2	-0.5%	
25.9%	53.7	53.5	-0.3	-0.5%	
27.2%	53.6	53.3	-0.3	-0.6%	
28.4%	53.6	53.2	-0.3	-0.6%	
29.6%	53.5	53.2	-0.3	-0.6%	
30.9%	53.4	53.2	-0.2	-0.4%	
32.1%	53.3	53.2	-0.2	-0.3%	
33.3%	53.2	53.2	0.0	0.0%	
34.6%	53.2	53.2	0.0	0.0%	
35.8%	53.1	53.1	0.0	0.0%	
37.0%	53.1	53.1	0.0	0.0%	
38.3%	53.0	53.0	0.0	-0.1%	
39.5%	53.0	52.9	-0.1	-0.1%	
40.7%	52.9	52.8	-0.2	-0.3%	
42.0%	52.9	52.7	-0.2	-0.4%	
43.2%	52.9	52.6	-0.3	-0.6%	
44.4%	52.9	52.6	-0.3	-0.6%	
45.7%	52.8	52.5	-0.3	-0.6%	
46.9%	52.7	52.5	-0.2	-0.4%	
48.1%	52.5	52.5	-0.1	-0.1%	
49.4%	52.5	52.4	0.0	-0.1%	
50.6%	52.5	52.4	-0.1	-0.2%	
51.9%	52.5	52.4	-0.1	-0.2%	
53.1%	52.4	52.3	-0.2	-0.3%	
54.3%	52.3	52.3	-0.1	-0.1%	
55.6%	52.2	52.2	0.0	0.0%	
56.8%	52.0	52.2	0.1	0.3%	
58.0%	52.0	52.0	0.1	0.1%	
59.3%	51.9	51.9	0.1	0.1%	
60.5%	51.8	51.7	-0.1	-0.1%	
61.7%	51.8	51.7	-0.1	-0.2%	
63.0%	51.8	51.6	-0.2	-0.4%	
64.2%	51.5	51.5	0.1	0.2%	
65.4%	51.4	51.5	0.1	0.1%	
66.7%	51.4	51.5	0.1	0.1%	
67.9%	51.4	51.4	0.0	0.0%	
69.1%	51.3	51.3	0.0	0.1%	
70.4%	51.3	51.3	0.0	0.1%	
71.6%	51.2	51.3	0.1	0.2%	
72.8%	51.2	51.3	0.1	0.2%	
74.1%	51.2	51.3	0.1	0.2%	
75.3%	51.2	51.2	0.0	0.1%	
76.5%	51.1	51.2	0.0	0.1%	
77.8%	51.0	51.2	0.1	0.2%	
79.0%	51.0	51.0	0.0	0.1%	
80.2%	51.0	51.0	0.0	0.0%	
81.5%	51.0	51.0	0.0	0.0%	
82.7%	51.0	51.0	0.0	0.0%	
84.0%	50.9	50.9	0.0	0.0%	
85.2%	50.8	50.8	0.0	0.1%	
86.4%	50.8	50.8	0.0	0.1%	
87.7%	50.7	50.8	0.1	0.1%	
88.9%	50.7	50.7	0.0	0.1%	
90.1%	50.5	50.6	0.1	0.1%	
91.4%	50.3	50.4	0.1	0.3%	
92.6%	50.2	50.3	0.0	0.0%	
93.8%	50.0	50.2	0.2	0.4%	
95.1%	50.0	50.2	0.2	0.4%	
96.3%	49.9	50.0	0.1	0.2%	
97.5%	49.8	50.0	0.2	0.3%	
98.8%	49.7	49.5	-0.2	-0.4%	
100.0%	49.7	49.5	-0.2	-0.4%	

November					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	53.3	53.2	-0.1	-0.2%	
1.2%	53.3	52.8	-0.5	-0.9%	
2.5%	52.7	52.5	-0.2	-0.4%	
3.7%	52.2	52.4	0.2	0.4%	
4.9%	51.9	52.2	0.3	0.6%	
6.2%	51.8	51.8	-0.1	-0.2%	
7.4%	51.8	51.7	-0.2	-0.3%	
8.6%	51.7	51.6	-0.1	-0.2%	
9.9%	51.7	51.5	-0.1	-0.2%	
11.1%	51.5	51.5	0.0	-0.1%	
12.3%	51.5	51.5	0.0	0.0%	
13.6%	51.5	51.5	0.0	0.0%	
14.8%	51.5	51.5	0.0	0.0%	
16.0%	51.4	51.4	0.0	0.0%	
17.3%	51.4	51.3	-0.1	-0.2%	
18.5%	51.4	51.3	-0.1	-0.3%	
19.8%	51.3	51.3	0.0	-0.1%	
21.0%	51.1	51.3	0.1	0.3%	
22.2%	51.1	51.2	0.2	0.3%	
23.5%	51.1	51.1	0.1	0.1%	
24.7%	51.0	51.0	0.0	0.0%	
25.9%	51.0	51.0	0.0	0.0%	
27.2%	50.9	50.9	0.1	0.1%	
28.4%	50.9	50.9	0.0	0.0%	
29.6%	50.8	50.9	0.1	0.2%	
30.9%	50.8	50.8	0.1	0.1%	
32.1%	50.7	50.7	0.0	0.0%	
33.3%	50.7	50.7	0.0	0.0%	
34.6%	50.6	50.7	0.0	0.1%	
35.8%	50.5	50.6	0.1	0.1%	
37.0%	50.5	50.6	0.1	0.1%	
38.3%	50.4	50.5	0.0	0.2%	
39.5%	50.4	50.5	0.1	0.2%	
40.7%	50.3	50.3	0.0	0.1%	
42.0%	50.2	50.3	0.1	0.3%	
43.2%	50.2	50.3	0.1	0.3%	
44.4%	50.1	50.2	0.2	0.3%	
45.7%	50.1	50.2	0.2	0.4%	
46.9%	50.0	50.2	0.1	0.3%	
48.1%	50.0	50.1	0.1	0.1%	
49.4%	50.0	50.0	0.0	0.1%	
50.6%	50.0	50.0	0.0	0.0%	
51.9%	50.0	50.0	0.0	-0.1%	
53.1%	49.9	49.9	0.0	0.0%	
54.3%	49.9	49.9	0.0	0.1%	
55.6%	49.9	49.9	0.1	0.1%	
56.8%	49.8	49.9	0.1	0.2%	
58.0%	49.8	49.9	0.1	0.2%	
59.3%	49.8	49.9	0.1	0.2%	
60.5%	49.8	49.9	0.1	0.2%	
61.7%	49.8	49.8	0.0	0.1%	
63.0%	49.8	49.8	0.1	0.1%	
64.2%	49.8	49.8	0.1	0.1%	
65.4%	49.7	49.8	0.1	0.2%	
66.7%	49.7	49.8	0.1	0.3%	
67.9%	49.7	49.7	0.0	0.0%	
69.1%	49.7	49.8	0.0	0.0%	
70.4%	49.6	49.6	0.0	-0.1%	
71.6%	49.6	49.6	0.0	0.0%	
72.8%	49.6	49.5	-0.1	-0.1%	
74.1%	49.5	49.5	0.0	0.1%	
75.3%	49.4	49.4	0.0	0.1%	
76.5%	49.4	49.4	0.0	0.0%	
77.8%	49.4	49.4	0.0	0.0%	
79.0%	49.2	49.2	0.0	0.0%	
80.2%	49.2	49.2	0.0	0.0%	
81.5%	49.2	49.1	0.0	-0.1%	
82.7%	49.1	49.1	0.0	0.0%	
84.0%	49.1	49.1	0.0	0.0%	
85.2%	49.1	49.1	0.0	0.0%	
86.4%	49.1	49.0	-0.1	-0.1%	
87.7%	49.1	49.0	-0.1	-0.1%	
88.9%	49.0	49.0	-0.1	-0.2%	
90.1%	48.9	48.9	-0.1	-0.2%	
91.4%	48.9	48.8	-0.1	-0.1%	
92.6%	48.9	48.8	0.0	-0.1%	
93.8%	48.8	48.8	0.0	-0.1%	
95.1%	48.8	48.7	-0.1	-0.1%	
96.3%	48.6	48.7	0.1	0.1%	
97.5%	48.6	48.6	0.0	0.1%	
98.8%	48.3	48.5	0.3	0.5%	
100.0%	48.3	48.5	0.3	0.5%	

December					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	49.9	50.0	0.0	0.1%	
1.2%	49.5	49.4	-0.1	-0.2%	
2.5%	48.8	48.8	0.1	0.1%	
3.7%	48.5	48.5	0.0	0.1%	
4.9%	48.4	48.4	0.0	0.0%	
6.2%	48.4	48.3	-0.1	-0.2%	
7.4%	48.3	48.3	0.0	0.0%	
8.6%	48.2	48.3	0.1	0.2%	
9.9%	48.2	48.1	-0.1	-0.1%	
11.1%	48.1	48.1	0.0	0.0%	
12.3%	48.1	48.1	0.0	0.1%	
13.6%	48.0	48.0	0.0	0.0%	
14.8%	48.0	47.9	-0.1	-0.2%	
16.0%	47.9	47.8	-0.1	-0.1%	
17.3%	47.6	47.7	0.1	0.2%	
18.5%	47.6	47.6	0.0	0.1%	
19.8%	47.4	47.4	0.0	0.1%	
21.0%	47.2	47.2	0.0	-0.1%	
22.2%	47.0	47.1	0.0	0.1%	
23.5%	46.9	47.0	0.1	0.2%	
24.7%	46.9	47.0	0.0	0.1%	
25.9%	46.9	46.9	0.0	0.0%	
27.2%	46.8	46.8	-0.2	-0.4%	
28.4%	46.8	46.6	-0.2	-0.4%	
29.6%	46.7	46.5	-0.2	-0.3%	
30.9%	46.6	46.4	-0.2	-0.4%	
32.1%	46.5	46.4	-0.1	-0.2%	
33.3%	46.4	46.4	0.0	-0.1%	
34.6%	46.4	46.3	0.0	-0.1%	
35.8%	46.4	46.3	-0.1	-0.2%	
37.0%	46.3	46.3	0.0	0.0%	
38.3%	46.3	46.3	0.0	0.0%	
39.5%	46.2	46.3	0.1	0.2%	
40.7%	46.2	46.2	0.1	0.1%	
42.0%	46.2	46.2	0.1	0.1%	
43.2%	46.2	46.2	0.0	0.0%	
44.4%	46.1	46.2	0.0	0.1%	
45.7%	46.1	46.1	0.0	0.0%	
46.9%	46.1	46.1	0.0	-0.1%	
48.1%	46.1	46.0	-0.1	-0.1%	
49.4%	46.0	46.0	0.0	0.1%	
50.6%	46.0	46.0	0.0	0.0%	
51.9%	46.0	45.9	0.0	-0.1%	
53.1%	45.9	45.9	0.1	0.1%	
54.3%	45.9	45.9	0.0	0.0%	
55.6%	45.8	45.8	0.0	-0.1%	
56.8%	45.8	45.7	0.0	-0.1%	
58.0%	45.7	45.7	0.0	0.1%	
59.3%	45.7	45.7	0.1	0.1%	
60.5%	45.7	45.7	0.0	0.0%	
61.7%	45.7	45.7	0.0	0.0%	
63.0%	45.6	45.6	0.0	0.0%	
64.2%	45.6	45.6	0.1	0.1%	
65.4%	45.5	45.6	0.1	0.2%	
66.7%	45.5	45.6	0.1	0.1%	
67.9%	45.5	45.6	0.1	0.1%	
69.1%	45.5	45.5	0.1	0.1%	
70.4%	45.5	45.5	0.0	0.1%	
71.6%	45.5	45.5	0.0	0.0%	
72.8%	45.4	45.5	0.0	0.1%	
74.1%	45.4	45.5	0.0	0.1%	
75.3%	45.4	45.4	0.0	0.0%	
76.5%	45.4	45.4	0.0	0.0%	
77.8%	45.4	45.4	0.		

Table SQ14-1b  
Clear Creek at Igo, Monthly Temperature  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	48.9	48.9	0.0	0.0%	
1.2%	46.9	46.9	0.0	0.0%	
2.5%	46.6	46.7	0.1	0.3%	
3.7%	46.2	46.6	0.4	0.9%	
4.9%	46.1	46.2	0.1	0.3%	
6.2%	46.0	46.0	0.0	0.0%	
7.4%	45.9	46.0	0.1	0.2%	
8.6%	45.2	45.9	0.7	1.6%	
9.9%	45.2	45.2	0.0	0.1%	
11.1%	45.1	45.2	0.1	0.1%	
12.3%	45.1	45.2	0.0	0.1%	
13.6%	45.1	45.1	0.0	0.0%	
14.8%	45.0	45.1	0.1	0.2%	
16.0%	45.0	45.1	0.1	0.1%	
17.3%	45.0	45.1	0.1	0.2%	
18.5%	45.0	45.0	0.0	0.1%	
19.8%	44.9	45.0	0.1	0.3%	
21.0%	44.8	45.0	0.1	0.3%	
22.2%	44.8	44.9	0.1	0.2%	
23.5%	44.8	44.8	0.0	0.0%	
24.7%	44.7	44.8	0.1	0.1%	
25.9%	44.7	44.8	0.1	0.2%	
27.2%	44.6	44.8	0.1	0.3%	
28.4%	44.6	44.7	0.1	0.1%	
29.6%	44.6	44.6	0.1	0.1%	
30.9%	44.5	44.6	0.0	0.1%	
32.1%	44.5	44.6	0.0	0.1%	
33.3%	44.5	44.5	0.0	0.1%	
34.6%	44.5	44.5	0.0	0.0%	
35.8%	44.5	44.5	0.0	0.0%	
37.0%	44.5	44.5	0.0	0.0%	
38.3%	44.4	44.4	0.0	0.0%	
39.5%	44.4	44.4	0.0	0.0%	
40.7%	44.4	44.4	0.0	0.0%	
42.0%	44.4	44.4	0.0	0.0%	
43.2%	44.4	44.4	0.0	0.0%	
44.4%	44.3	44.3	0.1	0.1%	
45.7%	44.3	44.3	0.0	0.1%	
46.9%	44.2	44.3	0.0	0.1%	
48.1%	44.2	44.2	0.0	0.0%	
49.4%	44.2	44.2	0.0	0.1%	
50.6%	44.2	44.2	0.0	0.1%	
51.9%	44.2	44.2	0.0	0.0%	
53.1%	44.1	44.1	0.0	0.0%	
54.3%	44.1	44.1	0.0	-0.1%	
55.6%	44.1	44.0	0.0	-0.1%	
56.8%	44.0	43.9	-0.1	-0.2%	
58.0%	44.0	43.9	-0.1	-0.1%	
59.3%	43.9	43.9	0.0	0.0%	
60.5%	43.9	43.9	0.0	0.0%	
61.7%	43.8	43.8	0.0	0.0%	
63.0%	43.8	43.8	0.0	0.0%	
64.2%	43.8	43.8	0.0	0.1%	
65.4%	43.8	43.8	0.0	0.1%	
66.7%	43.8	43.8	0.0	0.1%	
67.9%	43.8	43.8	0.1	0.1%	
69.1%	43.8	43.8	0.0	0.1%	
70.4%	43.7	43.7	0.0	0.0%	
71.6%	43.7	43.7	0.0	0.0%	
72.8%	43.7	43.7	0.0	0.0%	
74.1%	43.7	43.7	0.0	0.1%	
75.3%	43.6	43.7	0.1	0.1%	
76.5%	43.6	43.6	0.0	0.1%	
77.8%	43.6	43.6	0.0	0.1%	
79.0%	43.5	43.5	0.0	0.0%	
80.2%	43.5	43.5	0.0	0.0%	
81.5%	43.5	43.5	-0.1	-0.1%	
82.7%	43.5	43.5	0.0	0.0%	
84.0%	43.5	43.5	0.0	-0.1%	
85.2%	43.5	43.4	-0.1	-0.2%	
86.4%	43.4	43.4	0.0	0.0%	
87.7%	43.4	43.4	0.0	0.0%	
88.9%	43.4	43.3	0.0	-0.1%	
90.1%	43.4	43.3	0.0	-0.1%	
91.4%	43.4	43.3	-0.1	-0.2%	
92.6%	43.3	43.2	0.0	-0.1%	
93.8%	43.2	43.2	0.0	-0.1%	
95.1%	43.2	43.2	0.0	0.0%	
96.3%	42.9	42.9	0.0	0.0%	
97.5%	42.8	42.6	-0.2	-0.5%	
98.8%	42.4	42.6	0.1	0.3%	
100.0%	42.4	42.6	0.1	0.3%	

March					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	47.7	47.7	0.0	0.0%	
1.2%	47.5	47.5	0.0	0.0%	
2.5%	47.3	47.3	0.0	-0.1%	
3.7%	47.3	47.2	-0.1	-0.2%	
4.9%	47.1	47.1	0.0	0.0%	
6.2%	47.0	47.0	0.0	0.0%	
7.4%	46.9	46.9	0.0	0.0%	
8.6%	46.9	46.9	0.0	-0.1%	
9.9%	46.9	46.9	0.0	0.0%	
11.1%	46.6	46.7	0.1	0.1%	
12.3%	46.5	46.6	0.1	0.2%	
13.6%	46.5	46.5	0.0	0.0%	
14.8%	46.5	46.5	0.0	0.0%	
16.0%	46.5	46.5	0.1	0.1%	
17.3%	46.3	46.4	0.1	0.1%	
18.5%	46.3	46.2	0.0	0.0%	
19.8%	46.2	46.2	0.0	0.1%	
21.0%	46.2	46.2	0.0	0.0%	
22.2%	46.1	46.1	0.0	0.1%	
23.5%	46.0	46.1	0.0	0.1%	
24.7%	46.0	46.0	0.0	0.0%	
25.9%	46.0	46.0	0.0	0.0%	
27.2%	46.0	46.0	0.0	0.0%	
28.4%	45.9	45.9	0.0	0.0%	
29.6%	45.9	45.9	0.0	-0.1%	
30.9%	45.8	45.9	0.0	0.0%	
32.1%	45.8	45.8	0.0	0.0%	
33.3%	45.8	45.8	0.0	-0.1%	
34.6%	45.8	45.8	0.0	0.0%	
35.8%	45.8	45.7	-0.1	-0.1%	
37.0%	45.8	45.7	-0.1	-0.2%	
38.3%	45.7	45.7	0.0	-0.1%	
39.5%	45.7	45.7	0.0	0.0%	
40.7%	45.7	45.7	0.0	0.0%	
42.0%	45.6	45.7	0.1	0.2%	
43.2%	45.5	45.6	0.1	0.3%	
44.4%	45.5	45.6	0.1	0.3%	
45.7%	45.5	45.5	0.1	0.2%	
46.9%	45.4	45.5	0.1	0.2%	
48.1%	45.4	45.5	0.1	0.2%	
49.4%	45.4	45.5	0.0	0.1%	
50.6%	45.4	45.5	0.0	0.1%	
51.9%	45.4	45.4	0.0	0.1%	
53.1%	45.4	45.4	0.0	0.0%	
54.3%	45.4	45.4	0.0	0.1%	
55.6%	45.4	45.4	0.0	0.1%	
56.8%	45.3	45.4	0.0	0.1%	
58.0%	45.3	45.4	0.0	0.1%	
59.3%	45.3	45.4	0.0	0.1%	
60.5%	45.3	45.4	0.1	0.1%	
61.7%	45.3	45.4	0.1	0.1%	
63.0%	45.2	45.3	0.1	0.2%	
64.2%	45.2	45.3	0.1	0.1%	
65.4%	45.2	45.3	0.1	0.3%	
66.7%	45.2	45.3	0.1	0.2%	
67.9%	45.2	45.3	0.1	0.2%	
69.1%	45.2	45.1	0.0	0.0%	
70.4%	45.1	45.1	0.0	0.0%	
71.6%	45.1	45.1	0.0	-0.1%	
72.8%	45.1	45.0	0.0	0.0%	
74.1%	45.1	45.0	-0.1	-0.2%	
75.3%	45.0	44.9	0.0	-0.1%	
76.5%	44.9	44.9	0.0	0.0%	
77.8%	44.9	44.9	0.0	0.0%	
79.0%	44.9	44.9	0.0	0.0%	
80.2%	44.9	44.9	0.0	0.0%	
81.5%	44.8	44.9	0.1	0.1%	
82.7%	44.8	44.8	0.0	0.0%	
84.0%	44.7	44.7	0.0	0.0%	
85.2%	44.6	44.6	0.0	0.1%	
86.4%	44.5	44.5	0.0	0.0%	
87.7%	44.5	44.4	0.0	0.0%	
88.9%	44.4	44.4	0.0	0.0%	
90.1%	44.4	44.4	0.0	0.0%	
91.4%	44.4	44.4	0.0	0.0%	
92.6%	44.4	44.3	0.0	0.0%	
93.8%	44.3	44.3	0.0	0.0%	
95.1%	44.2	44.2	0.0	-0.1%	
96.3%	44.2	44.1	0.0	-0.1%	
97.5%	44.1	44.1	0.0	0.0%	
98.8%	43.8	43.8	0.0	0.0%	
100.0%	43.8	43.8	0.0	0.0%	

April					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	49.9	49.9	0.0	0.0%	
1.2%	49.8	49.8	0.0	0.0%	
2.5%	49.5	49.4	0.0	-0.1%	
3.7%	49.3	49.1	-0.1	-0.3%	
4.9%	49.1	49.0	-0.1	-0.1%	
6.2%	48.9	48.9	0.0	0.0%	
7.4%	48.7	48.9	0.2	0.3%	
8.6%	48.7	48.7	0.0	0.1%	
9.9%	48.5	48.7	0.1	0.3%	
11.1%	48.4	48.6	0.2	0.4%	
12.3%	48.4	48.6	0.1	0.2%	
13.6%	48.4	48.5	0.1	0.2%	
14.8%	48.4	48.4	0.1	0.1%	
16.0%	48.3	48.4	0.1	0.1%	
17.3%	48.1	48.2	0.1	0.3%	
18.5%	48.1	48.2	0.1	0.3%	
19.8%	48.0	48.1	0.1	0.2%	
21.0%	47.9	48.1	0.2	0.3%	
22.2%	47.9	48.0	0.0	0.1%	
23.5%	47.8	47.9	0.1	0.2%	
24.7%	47.8	47.9	0.1	0.2%	
25.9%	47.8	47.8	0.0	0.0%	
27.2%	47.8	47.8	0.0	-0.1%	
28.4%	47.7	47.7	0.0	0.0%	
29.6%	47.7	47.7	0.1	0.1%	
30.9%	47.7	47.7	0.0	0.1%	
32.1%	47.6	47.7	0.1	0.2%	
33.3%	47.6	47.6	0.1	0.1%	
34.6%	47.5	47.6	0.1	0.1%	
35.8%	47.5	47.6	0.0	0.1%	
37.0%	47.5	47.6	0.0	0.1%	
38.3%	47.5	47.5	0.0	0.1%	
39.5%	47.5	47.5	0.0	0.0%	
40.7%	47.5	47.5	0.0	0.0%	
42.0%	47.4	47.5	0.1	0.1%	
43.2%	47.4	47.5	0.0	0.1%	
44.4%	47.4	47.4	0.0	-0.1%	
45.7%	47.3	47.4	0.1	0.1%	
46.9%	47.3	47.4	0.1	0.2%	
48.1%	47.2	47.3	0.1	0.1%	
49.4%	47.2	47.3	0.1	0.3%	
50.6%	47.2	47.2	0.0	0.0%	
51.9%	47.1	47.2	0.0	0.1%	
53.1%	47.0	47.1	0.1	0.2%	
54.3%	47.0	47.0	0.0	0.1%	
55.6%	47.0	47.0	0.1	0.1%	
56.8%	47.0	47.0	0.0	0.1%	
58.0%	47.0	47.0	0.0	0.0%	
59.3%	47.0	47.0	0.0	0.0%	
60.5%	47.0	47.0	0.0	0.0%	
61.7%	47.0	47.0	0.0	0.0%	
63.0%	46.9	47.0	0.0	0.1%	
64.2%	46.9	46.9	0.0	0.0%	
65.4%	46.9	46.9	0.0	0.0%	
66.7%	46.9	46.9	0.1	0.1%	
67.9%	46.8	46.8	0.0	0.0%	
69.1%	46.8	46.8	0.0	0.1%	
70.4%	46.8	46.8	0.0	0.1%	
71.6%	46.8	46.8	0.1	0.1%	
72.8%	46.8	46.8	0.0	0.1%	
74.1%	46.6	46.8	0.1	0.3%	
75.3%	46.6	46.7	0.1	0.2%	
76.5%	46.6	46.6	0.0	0.1%	
77.8%	46.6	46.6	0.0	0.1%	
79.0%	46.6	46.6	0.1		

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

June					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	54.7	54.7	-0.2	-0.4%	
1.2%	54.4	54.4	0.0	0.0%	
2.5%	53.7	54.3	0.6	1.0%	
3.7%	53.4	53.6	0.2	0.4%	
4.9%	53.3	53.4	0.1	0.2%	
6.2%	53.2	53.3	0.1	0.1%	
7.4%	53.1	53.3	0.1	0.2%	
8.6%	53.1	53.0	-0.1	-0.2%	
9.9%	52.7	52.7	0.0	0.0%	
11.1%	52.6	52.6	-0.1	-0.1%	
12.3%	52.5	52.5	0.0	0.0%	
13.6%	52.4	52.2	-0.2	-0.4%	
14.8%	52.4	52.0	-0.3	-0.6%	
16.0%	52.3	51.9	-0.4	-0.9%	
17.3%	52.0	51.8	-0.2	-0.4%	
18.5%	52.0	51.8	-0.2	-0.3%	
19.8%	51.8	51.7	-0.1	-0.2%	
21.0%	51.7	51.6	0.0	0.0%	
22.2%	51.6	51.6	0.0	0.0%	
23.5%	51.5	51.6	0.1	0.2%	
24.7%	51.3	51.5	0.2	0.5%	
25.9%	51.3	51.5	0.2	0.5%	
27.2%	51.3	51.3	0.0	0.1%	
28.4%	51.2	51.3	0.1	0.1%	
29.6%	51.2	51.3	0.0	0.1%	
30.9%	51.2	51.2	0.0	0.1%	
32.1%	51.2	51.2	0.1	0.1%	
33.3%	51.1	51.2	0.0	0.1%	
34.6%	51.1	51.1	0.0	0.1%	
35.8%	51.1	51.1	0.0	0.0%	
37.0%	51.1	51.1	0.0	0.0%	
38.3%	51.0	51.0	0.0	0.0%	
39.5%	51.0	51.0	0.0	0.0%	
40.7%	51.0	51.0	0.0	0.0%	
42.0%	51.0	51.0	0.0	0.0%	
43.2%	51.0	51.0	0.0	0.0%	
44.4%	50.9	50.9	0.0	-0.1%	
45.7%	50.9	50.9	0.0	0.0%	
46.9%	50.8	50.9	0.0	0.0%	
48.1%	50.8	50.8	0.1	0.1%	
49.4%	50.7	50.8	0.0	0.1%	
50.6%	50.7	50.8	0.0	0.1%	
51.9%	50.7	50.7	0.0	-0.1%	
53.1%	50.7	50.7	0.0	0.0%	
54.3%	50.7	50.7	0.0	0.0%	
55.6%	50.7	50.7	0.0	0.0%	
56.8%	50.7	50.7	0.0	-0.1%	
58.0%	50.7	50.7	0.0	-0.1%	
59.3%	50.7	50.6	-0.1	-0.1%	
60.5%	50.6	50.6	0.0	-0.1%	
61.7%	50.6	50.5	0.0	0.0%	
63.0%	50.5	50.5	0.0	0.0%	
64.2%	50.5	50.5	0.0	0.0%	
65.4%	50.5	50.5	0.0	0.0%	
66.7%	50.5	50.5	0.0	-0.1%	
67.9%	50.5	50.5	0.0	-0.1%	
69.1%	50.4	50.4	0.0	-0.1%	
70.4%	50.4	50.3	-0.1	-0.3%	
71.6%	50.4	50.3	-0.1	-0.2%	
72.8%	50.3	50.3	-0.1	-0.1%	
74.1%	50.3	50.2	0.0	-0.1%	
75.3%	50.2	50.2	-0.1	-0.2%	
76.5%	50.2	50.2	-0.1	-0.1%	
77.8%	50.2	50.1	-0.1	-0.3%	
79.0%	50.1	50.0	-0.1	-0.1%	
80.2%	49.9	49.9	0.0	0.0%	
81.5%	49.9	49.9	0.0	0.0%	
82.7%	49.8	49.8	0.0	0.0%	
84.0%	49.7	49.7	0.0	-0.1%	
85.2%	49.7	49.7	0.0	-0.1%	
86.4%	49.7	49.7	0.0	-0.1%	
87.7%	49.6	49.6	0.0	0.0%	
88.9%	49.6	49.5	-0.1	-0.1%	
90.1%	49.4	49.4	0.0	0.1%	
91.4%	49.4	49.4	0.0	0.1%	
92.6%	49.4	49.4	0.0	0.0%	
93.8%	49.4	49.4	0.0	0.0%	
95.1%	49.3	49.3	0.0	0.0%	
96.3%	49.2	49.1	-0.1	-0.2%	
97.5%	49.0	48.9	-0.1	-0.1%	
98.8%	48.2	48.2	0.0	0.0%	
100.0%	48.2	48.2	0.0	0.0%	

July					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	56.9	56.9	0.0	0.0%	
1.2%	56.8	56.7	-0.2	-0.3%	
2.5%	56.6	56.6	-0.1	-0.1%	
3.7%	56.6	56.4	-0.2	-0.3%	
4.9%	56.4	56.2	-0.2	-0.3%	
6.2%	56.2	56.1	-0.1	-0.2%	
7.4%	56.1	56.1	0.0	-0.1%	
8.6%	56.1	56.0	0.0	-0.1%	
9.9%	55.9	56.0	0.1	0.2%	
11.1%	55.9	55.7	-0.2	-0.4%	
12.3%	55.7	55.7	-0.1	-0.1%	
13.6%	55.7	55.7	0.0	-0.1%	
14.8%	55.5	55.4	-0.1	-0.3%	
16.0%	55.5	55.4	-0.2	-0.3%	
17.3%	55.4	55.4	0.0	-0.1%	
18.5%	55.3	55.4	0.0	0.0%	
19.8%	55.3	55.4	0.0	0.0%	
21.0%	55.3	55.3	0.0	0.0%	
22.2%	55.3	55.3	0.0	0.0%	
23.5%	55.2	55.2	-0.1	-0.1%	
24.7%	55.2	55.2	0.0	0.0%	
25.9%	55.1	55.2	0.0	0.1%	
27.2%	55.1	55.2	0.1	0.1%	
28.4%	55.1	55.0	0.0	-0.1%	
29.6%	55.0	55.0	0.0	-0.1%	
30.9%	55.0	55.0	0.0	0.0%	
32.1%	54.9	54.9	0.0	-0.1%	
33.3%	54.9	54.9	0.0	0.0%	
34.6%	54.8	54.9	0.0	0.0%	
35.8%	54.8	54.9	0.0	0.0%	
37.0%	54.8	54.9	0.0	0.0%	
38.3%	54.8	54.8	0.0	0.0%	
39.5%	54.8	54.8	0.0	0.0%	
40.7%	54.8	54.7	-0.1	-0.2%	
42.0%	54.8	54.6	-0.1	-0.2%	
43.2%	54.6	54.6	0.0	0.0%	
44.4%	54.6	54.6	0.0	0.0%	
45.7%	54.6	54.6	0.0	0.0%	
46.9%	54.6	54.6	0.0	0.0%	
48.1%	54.6	54.6	0.0	0.0%	
49.4%	54.6	54.6	0.0	0.0%	
50.6%	54.6	54.6	0.0	0.0%	
51.9%	54.6	54.6	0.0	0.0%	
53.1%	54.5	54.5	0.0	0.0%	
54.3%	54.5	54.4	-0.1	-0.1%	
55.6%	54.5	54.4	-0.1	-0.1%	
56.8%	54.4	54.4	-0.1	-0.1%	
58.0%	54.4	54.3	-0.1	-0.3%	
59.3%	54.4	54.3	-0.1	-0.2%	
60.5%	54.3	54.3	-0.1	-0.1%	
61.7%	54.3	54.3	0.0	-0.1%	
63.0%	54.3	54.3	0.0	0.0%	
64.2%	54.3	54.2	-0.1	-0.2%	
65.4%	54.2	54.2	-0.1	-0.1%	
66.7%	54.2	54.2	-0.1	-0.1%	
67.9%	54.2	54.1	-0.1	-0.1%	
69.1%	54.2	54.1	-0.1	-0.1%	
70.4%	54.1	54.1	0.0	-0.1%	
71.6%	54.1	54.1	0.0	0.0%	
72.8%	54.0	54.0	0.0	0.0%	
74.1%	54.0	54.0	0.0	0.0%	
75.3%	54.0	54.0	0.0	0.0%	
76.5%	53.9	53.9	0.1	0.1%	
77.8%	53.9	53.9	0.1	0.1%	
79.0%	53.9	53.9	0.1	0.1%	
80.2%	53.9	53.9	0.0	0.0%	
81.5%	53.8	53.8	0.0	0.0%	
82.7%	53.8	53.7	-0.1	-0.2%	
84.0%	53.8	53.7	-0.1	-0.2%	
85.2%	53.7	53.7	0.0	0.0%	
86.4%	53.6	53.6	0.0	0.0%	
87.7%	53.6	53.6	0.0	0.0%	
88.9%	53.6	53.6	0.0	0.0%	
90.1%	53.6	53.4	-0.2	-0.4%	
91.4%	53.5	53.4	-0.1	-0.1%	
92.6%	53.5	53.3	-0.1	-0.2%	
93.8%	53.4	53.3	-0.1	-0.3%	
95.1%	53.0	52.9	-0.1	-0.1%	
96.3%	52.6	52.8	0.1	0.2%	
97.5%	52.3	52.2	-0.1	-0.2%	
98.8%	52.1	52.1	0.0	-0.1%	
100.0%	52.1	52.1	0.0	-0.1%	

August					
Percent Exceedance Probability (%)	DCR 2015 Without Project Monthly Temperature (DEGF)	DCR 2015 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)	
0.0%	57.3	57.0	-0.3	-0.4%	
1.2%	57.1	56.9	-0.2	-0.3%	
2.5%	57.1	56.8	-0.2	-0.4%	
3.7%	56.7	56.8	0.1	0.1%	
4.9%	56.7	56.7	0.0	0.0%	
6.2%	56.7	56.7	0.0	0.0%	
7.4%	56.5	56.5	-0.1	-0.1%	
8.6%	56.5	56.3	-0.2	-0.3%	
9.9%	56.5	56.3	-0.2	-0.4%	
11.1%	56.4	56.2	-0.2	-0.3%	
12.3%	56.3	56.2	-0.1	-0.2%	
13.6%	56.2	56.1	-0.1	-0.2%	
14.8%	56.1	56.0	-0.1	-0.1%	
16.0%	56.1	56.0	-0.1	-0.2%	
17.3%	56.0	56.0	0.0	0.0%	
18.5%	55.9	55.9	0.0	0.0%	
19.8%	55.9	55.9	0.0	0.0%	
21.0%	55.8	55.9	0.1	0.1%	
22.2%	55.8	55.8	0.0	0.0%	
23.5%	55.8	55.7	0.0	-0.1%	
24.7%	55.7	55.7	0.0	-0.1%	
25.9%	55.7	55.7	0.0	-0.1%	
27.2%	55.6	55.7	0.1	0.1%	
28.4%	55.4	55.4	0.0	0.1%	
29.6%	55.5	55.6	0.1	0.1%	
30.9%	55.5	55.6	0.1	0.1%	
32.1%	55.4	55.5	0.1	0.2%	
33.3%	55.4	55.5	0.1	0.2%	
34.6%	55.4	55.5	0.1	0.2%	
35.8%	55.4	55.4	0.0	0.1%	
37.0%	55.4	55.4	0.0	0.1%	
38.3%	55.4	55.4	0.0	0.0%	
39.5%	55.3	55.3	0.0	-0.1%	
40.7%	55.3	55.2	0.0	0.0%	
42.0%	55.2	55.2	0.0	0.0%	
43.2%	55.2	55.2	0.0	0.0%	
44.4%	55.1	55.2	0.0	0.0%	
45.7%	55.1	55.1	0.1	0.1%	
46.9%	55.1	55.1	0.1	0.2%	
48.1%	55.1	55.1	0.0	0.0%	
49.4%	55.0	55.0	0.0	0.0%	
50.6%	55.0	55.0	0.0	0.0%	
51.9%	55.0	54.9	-0.1	-0.1%	
53.1%	55.0	54.9	-0.1	-0.2%	
54.3%	55.0	54.9	-0.1	-0.1%	
55.6%	54.9	54.9	0.0	0.0%	
56.8%	54.9	54.9	0.0	0.0%	
58.0%	54.9	54.8	0.0	0.0%	
59.3%	54.9	54.8	0.0	-0.1%	
60.5%	54.8	54.8	0.0	-0.1%	
61.7%	54.9	54.7	-0.2	-0.3%	
63.0%	54.8	54.6	-0.2	-0.3%	
64.2%	54.8	54.6	-0.2	-0.3%	
65.4%	54.6	54.6	0.0	0.0%	
66.7%	54.6	54.6	0.0	0.0%	
67.9%	54.6	54.6	-0.1	-0.1%	
69.1%	54.6	54.5	-0.1	-0.2%	
70.4%	54.6	54.5	-0.1	-0.1%	
71.6%	54.5	54.5	-0.1	-0.1%	
72.8%	54.5	54.4	-0.1	-0.3%	
74.1%	54.5	54.3	-0.2	-0.3%	
75.3%	54.5	54.3	-0.2	-0.3%	
76.5%	54.5	54.3	-0.1	-0.3%	
77.8%	54.4	54.3	-0.1	-0.2%	

Table SQ14-1b  
Clear Creek at Igo, Monthly Temperature  
Probability of Exceedance

June to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	56.5	56.4	-0.1	-0.2%	
1.2%	56.1	55.9	-0.3	-0.5%	
2.5%	55.4	55.4	0.0	0.0%	
3.7%	55.4	55.3	-0.1	-0.2%	
4.9%	55.1	55.0	-0.1	-0.2%	
6.2%	55.1	55.0	0.0	-0.1%	
7.4%	55.0	55.0	0.0	-0.1%	
8.6%	55.0	55.0	0.0	-0.1%	
9.9%	55.0	54.9	-0.1	-0.1%	
11.1%	54.9	54.8	-0.1	-0.2%	
12.3%	54.8	54.7	-0.1	-0.1%	
13.6%	54.8	54.7	-0.1	-0.2%	
14.8%	54.7	54.6	0.0	-0.1%	
16.0%	54.6	54.6	0.0	-0.1%	
17.3%	54.5	54.6	0.1	0.1%	
18.5%	54.5	54.5	0.0	0.0%	
19.8%	54.4	54.5	0.0	0.0%	
21.0%	54.4	54.3	-0.1	-0.2%	
22.2%	54.3	54.3	0.0	-0.1%	
23.5%	54.2	54.3	0.0	0.1%	
24.7%	54.2	54.3	0.0	0.1%	
25.9%	54.2	54.2	0.0	0.0%	
27.2%	54.1	54.1	0.0	-0.1%	
28.4%	54.0	54.1	0.1	0.1%	
29.6%	54.0	54.1	0.1	0.1%	
30.9%	53.9	54.0	0.1	0.1%	
32.1%	53.9	53.9	0.0	0.0%	
33.3%	53.9	53.8	-0.1	-0.2%	
34.6%	53.9	53.7	-0.1	-0.2%	
35.8%	53.9	53.7	-0.1	-0.2%	
37.0%	53.8	53.7	0.0	0.0%	
38.3%	53.7	53.7	-0.1	-0.2%	
39.5%	53.7	53.6	-0.1	-0.1%	
40.7%	53.6	53.6	-0.1	-0.1%	
42.0%	53.6	53.5	-0.1	-0.1%	
43.2%	53.5	53.5	0.0	-0.1%	
44.4%	53.5	53.5	0.0	0.0%	
45.7%	53.5	53.5	0.0	0.0%	
46.9%	53.5	53.4	-0.1	-0.1%	
48.1%	53.5	53.4	-0.1	-0.1%	
49.4%	53.5	53.4	-0.1	-0.1%	
50.6%	53.4	53.4	0.0	0.0%	
51.9%	53.3	53.4	0.0	0.0%	
53.1%	53.3	53.3	0.0	0.0%	
54.3%	53.3	53.2	-0.1	-0.1%	
55.6%	53.2	53.2	-0.1	-0.1%	
56.8%	53.2	53.2	-0.1	-0.1%	
58.0%	53.2	53.2	0.0	0.0%	
59.3%	53.2	53.1	0.0	-0.1%	
60.5%	53.1	53.1	0.0	-0.1%	
61.7%	53.1	53.1	0.0	0.1%	
63.0%	53.0	53.1	0.1	0.1%	
64.2%	53.0	53.0	0.0	0.0%	
65.4%	53.0	53.0	0.0	0.0%	
66.7%	53.0	53.0	0.0	0.0%	
67.9%	53.0	53.0	0.0	0.0%	
69.1%	53.0	53.0	0.0	0.0%	
70.4%	52.9	52.9	0.0	0.0%	
71.6%	52.9	52.9	0.0	0.0%	
72.8%	52.9	52.9	0.0	0.1%	
74.1%	52.8	52.8	0.0	-0.1%	
75.3%	52.8	52.8	-0.1	-0.1%	
76.5%	52.8	52.7	-0.1	-0.1%	
77.8%	52.8	52.7	-0.1	-0.2%	
79.0%	52.8	52.7	-0.1	-0.1%	
80.2%	52.8	52.7	-0.1	-0.2%	
81.5%	52.7	52.6	-0.1	-0.2%	
82.7%	52.7	52.6	-0.1	-0.2%	
84.0%	52.7	52.6	-0.1	-0.2%	
85.2%	52.6	52.5	-0.1	-0.2%	
86.4%	52.6	52.5	-0.1	-0.2%	
87.7%	52.5	52.5	-0.1	-0.2%	
88.9%	52.4	52.4	0.0	0.0%	
90.1%	52.3	52.4	0.0	0.1%	
91.4%	52.3	52.3	0.0	0.0%	
92.6%	52.3	52.2	-0.1	-0.2%	
93.8%	52.3	52.2	-0.1	-0.2%	
95.1%	52.0	52.1	0.1	0.2%	
96.3%	51.9	51.8	-0.1	-0.1%	
97.5%	51.9	51.3	-0.6	-1.1%	
98.8%	51.3	51.0	-0.2	-0.4%	
100.0%	51.1	50.9	-0.2	-0.4%	

July to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	57.2	57.1	-0.2	-0.3%	
1.2%	56.6	56.4	-0.3	-0.5%	
2.5%	56.4	56.2	-0.3	-0.5%	
3.7%	56.3	56.1	-0.1	-0.3%	
4.9%	56.2	56.1	-0.1	-0.1%	
6.2%	56.0	55.9	0.0	-0.1%	
7.4%	55.7	55.7	-0.1	-0.2%	
8.6%	55.9	55.6	-0.2	-0.4%	
9.9%	55.8	55.6	-0.2	-0.3%	
11.1%	55.7	55.6	-0.1	-0.2%	
12.3%	55.6	55.6	0.0	0.0%	
13.6%	55.6	55.5	-0.1	-0.1%	
14.8%	55.4	55.5	0.1	0.2%	
16.0%	55.4	55.5	0.1	0.1%	
17.3%	55.2	55.3	0.1	0.2%	
18.5%	55.2	55.3	0.1	0.1%	
19.8%	55.2	55.3	0.1	0.1%	
21.0%	55.2	55.2	0.0	0.1%	
22.2%	55.2	55.2	0.0	0.0%	
23.5%	55.1	55.1	0.0	0.0%	
24.7%	55.1	55.1	0.0	0.0%	
25.9%	55.1	55.1	0.0	-0.1%	
27.2%	55.1	55.0	-0.1	-0.2%	
28.4%	55.1	55.0	-0.1	-0.2%	
29.6%	55.1	55.0	-0.1	-0.2%	
30.9%	55.0	54.9	-0.1	-0.2%	
32.1%	55.0	54.9	-0.1	-0.2%	
33.3%	55.0	54.8	-0.1	-0.2%	
34.6%	54.8	54.7	-0.1	-0.2%	
35.8%	54.7	54.7	0.0	-0.1%	
37.0%	54.7	54.7	0.0	0.0%	
38.3%	54.7	54.6	0.0	0.0%	
39.5%	54.5	54.6	0.0	0.1%	
40.7%	54.5	54.5	0.0	0.0%	
42.0%	54.4	54.5	0.1	0.2%	
43.2%	54.4	54.4	0.0	0.1%	
44.4%	54.4	54.4	0.0	0.1%	
45.7%	54.3	54.4	0.1	0.1%	
46.9%	54.3	54.3	0.0	0.0%	
48.1%	54.3	54.3	0.0	0.0%	
49.4%	54.3	54.3	0.0	0.0%	
50.6%	54.3	54.3	0.0	-0.1%	
51.9%	54.2	54.2	0.0	0.0%	
53.1%	54.2	54.1	-0.1	-0.2%	
54.3%	54.2	54.1	-0.1	-0.3%	
55.6%	54.2	54.1	-0.1	-0.2%	
56.8%	54.1	54.0	-0.1	-0.2%	
58.0%	54.1	54.0	-0.1	-0.1%	
59.3%	54.0	54.0	-0.1	-0.1%	
60.5%	54.0	54.0	0.0	0.0%	
61.7%	54.0	53.9	0.0	-0.1%	
63.0%	53.9	53.8	-0.1	-0.2%	
64.2%	53.9	53.8	-0.1	-0.2%	
65.4%	53.9	53.8	-0.1	-0.2%	
66.7%	53.9	53.7	-0.2	-0.3%	
67.9%	53.8	53.7	-0.1	-0.2%	
69.1%	53.8	53.7	-0.1	-0.2%	
70.4%	53.8	53.7	-0.1	-0.2%	
71.6%	53.7	53.7	0.0	0.0%	
72.8%	53.7	53.7	0.0	0.0%	
74.1%	53.6	53.6	0.0	0.0%	
75.3%	53.6	53.6	0.0	0.0%	
76.5%	53.6	53.6	0.0	0.0%	
77.8%	53.6	53.6	0.0	0.0%	
79.0%	53.6	53.6	0.0	0.0%	
80.2%	53.6	53.6	0.0	0.0%	
81.5%	53.6	53.5	0.0	0.0%	
82.7%	53.6	53.5	0.0	-0.1%	
84.0%	53.5	53.5	0.0	-0.1%	
85.2%	53.5	53.4	-0.1	-0.2%	
86.4%	53.3	53.3	0.0	0.0%	
87.7%	53.2	53.2	0.0	0.0%	
88.9%	53.2	53.2	0.0	0.0%	
90.1%	53.2	53.1	-0.1	-0.2%	
91.4%	53.2	53.1	-0.1	-0.2%	
92.6%	53.1	53.1	0.0	0.0%	
93.8%	53.1	53.0	-0.1	-0.1%	
95.1%	52.9	52.9	0.1	0.2%	
96.3%	52.7	52.6	-0.2	-0.3%	
97.5%	52.7	52.5	-0.1	-0.3%	
98.8%	52.5	52.0	-0.5	-0.9%	
100.0%	52.1	51.5	-0.6	-1.1%	

August to September					
Percent Exceedance Probability (%)	DCR 2015 Without Project		Absolute Difference (DEGF)	Relative Difference (%)	Probability of Exceedance
	Monthly Temperature (DEGF)	Monthly Temperature (DEGF)			
0.0%	58.1	57.9	-0.2	-0.4%	
1.2%	57.2	57.0	-0.2	-0.4%	
2.5%	56.2	56.1	-0.1	-0.2%	
3.7%	56.1	56.0	-0.2	-0.3%	
4.9%	56.1	55.9	-0.1	-0.2%	
6.2%	56.0	55.8	-0.1	-0.1%	
7.4%	55.9	55.9	0.0	0.0%	
8.6%	55.9	55.9	0.0	0.0%	
9.9%	55.8	55.9	0.0	0.0%	
11.1%	55.7	55.7	0.0	0.0%	
12.3%	55.7	55.6	-0.1	-0.2%	
13.6%	55.5	55.4	-0.1	-0.1%	
14.8%	55.5	55.4	-0.1	-0.1%	
16.0%	55.5	55.4	-0.1	-0.1%	
17.3%	55.5	55.4	-0.1	-0.2%	
18.5%	55.5	55.4	-0.1	-0.2%	
19.8%	55.5	55.4	-0.1	-0.1%	
21.0%	55.4	55.4	0.0	0.0%	
22.2%	55.4	55.3	-0.1	-0.1%	
23.5%	55.3	55.3	0.0	-0.1%	
24.7%	55.3	55.2	-0.1	-0.1%	
25.9%	55.3	55.1	-0.1	-0.2%	
27.2%	55.0	54.9	-0.1	-0.1%	
28.4%	54.9	54.9	0.0	-0.2%	
29.6%	54.9	54.8	-0.1	-0.2%	
30.9%	54.9	54.8	-0.1	-0.1%	
32.1%	54.9	54.8	-0.1	-0.1%	
33.3%	54.8	54.8	0.0	-0.1%	
34.6%	54.8	54.8	0.0	0.0%	
35.8%	54.7	54.7	0.0	0.1%	
37.0%	54.6	54.7	0.0	0.0%	
38.3%	54.5	54.6	0.1	0.1%	
39.5%	54.5	54.5	0.0	0.0%	
40.7%	54.5	54.5	0.0	0.0%	
42.0%	54.4	54.5	0.0	0.1%	
43.2%	54.4	54.4	0.0	0.0%	
44.4%	54.4	54.4	0.0	-0.1%	
45.7%	54.4	54.3	-0.1	-0.2%	
46.9%	54.3	54.3	0.0	-0.1%	
48.1%	54.3	54.3	0.0	-0.1%	
49.4%	54.3	54.2	-0.1	-0.2%	
50.6%	54.1	54.1	0.1	0.1%	
51.9%	54.1	53.9	-0.2	-0.4%	
53.1%	54.1	53.9	-0.2	-0.4%	
54.3%	54.1	53.8	-0.3	-0.5%	
55.6%	54.0	53.8	-0.3	-0.5%	
56.8%	54.0	53.7	-0.3	-0.5%	
58.0%	53.9	53.7	-0.2	-0.4%	
59.3%	53.9	53.7	-0.2	-0.3%	
60.5%	53.8	53.7	-0.1	-0.3%	
61.7%	53.7	53.7	0.0	0.0%	
63.0%	53.7	53.7	-0.1	-0.1%	
64.2%	53.7	53.6	-0.1	-0.2%	
65.4%	53.6	53.6	0.0	0.0%	
66.7%	53.6	53.6	0.0	0.1%	
67.9%	53.6	53.6	0.0	0.0%	
69.1%	53.5	53.5	0.0	0.0%	
70.4%	53.5	53.5	0.0	-0.1%	
71.6%	53.4	53.4	0.0	0.1%	
72.8%	53.4	53.4	0.0	0.0%	
74.1%	53.4	53.4	0.0	0.0%	
75.3%	53.3	53.4	0.1	0.1%	
76.5%	53.3	53.2	-0.1	-0.1%	
77.8%</					