Table SW-51-5b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

September

Relative

Difference (%)

August Percent Percent Percent Percent No Action Alternative Alternative B Absolute Relative Exceedance Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Probability Probability (CFS) (CFS) (CFS) (CFS) (CFS) 1574 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 1500 -74 -4.7% 1.2% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 0 13.6% 14.8% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 55.6% 58.0% 58.0% 58.0% 0 58.0% 0 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-5a
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

					M	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lon	g-term							
Full Simulation Period ¹												
No Action Alternative	8	147	1010	2248	3231	2125	897	89	45	0	0	0
Alternative B	11	138	984	2195	3068	1896	814	71	44	0	0	0
Difference	3	-10	-27	-52	-163	-228	-83	-18	-1	0	0	0
Percent Difference ³		-6.6%	-2.6%	-2.3%	-5.0%	-10.8%	-9.3%	-20.4%				
				Water Ye	ear Types	2						
Wet (32%)												
No Action Alternative	0	98	1109	5277	7193	4834	2396	169	143	0	0	0
Alternative B	0	95	1071	5285	7019	4481	2190	144	140	0	0	0
Difference	0	-3	-38	8	-174	-353	-206	-26	-3	0	0	0
Percent Difference			-3.4%	0.2%	-2.4%	-7.3%	-8.6%					
Above Normal (15%)												
No Action Alternative	0	511	1096	2726	3647	3200	767	241	0	0	0	0
Alternative B	2	464	987	2514	3370	2818	689	172	0	0	0	0
Difference	2	-47	-109	-212	-278	-382	-78	-69	0	0	0	0
Percent Difference		-9.2%	-9.9%	-7.8%	-7.6%	-11.9%	-10.2%	-28.5%				
Below Normal (17%)												
No Action Alternative	49	101	1231	613	1293	265	147	0	0	0	0	0
Alternative B	64	103	1281	586	1081	118	107	0	0	0	0	0
Difference	15	2	50	-27	-212	-146	-40	0	0	0	0	0
Percent Difference	30.8%	2.0%	4.1%	-4.4%	-16.4%	-55.3%	-27.0%					
Dry (22%)												
No Action Alternative	0	110	1255	278	823	356	0	0	0	0	0	0
Alternative B	0	100	1226	202	688	195	0	0	0	0	0	0
Difference	0	-10	-29	-77	-135	-160	0	0	0	0	0	0
Percent Difference		-8.7%	-2.3%	-27.5%	-16.4%	-45.1%						
Critical (15%)												
No Action Alternative	0	0	86	67	101	3	0	0	0	0	0	0
Alternative B	0	0	81	49	92	0	0	0	0	0	0	0
Difference	0	0	-5	-17	-9	-3	0	0	0	0	0	0
Percent Difference	-	-	-6.3%	-25.9%	-8.5%	-100.0%	-	-		-	-	-

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)



Figure SW-52-5b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

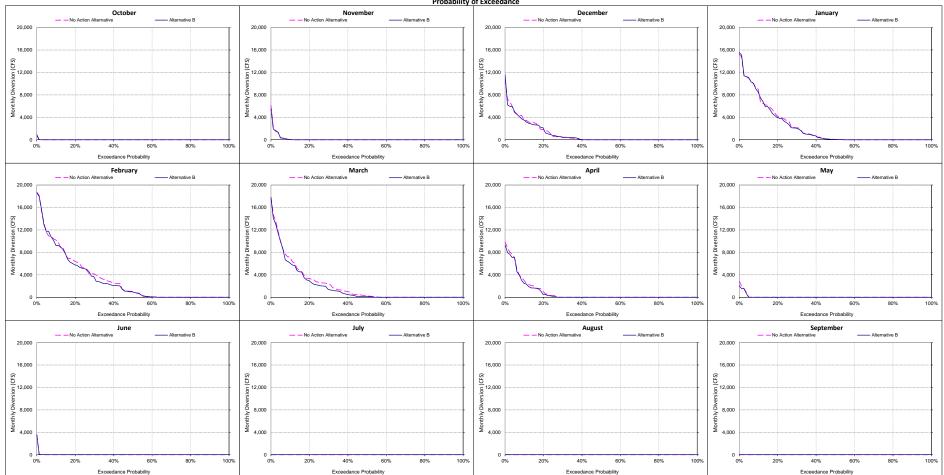


Table SW-52-5b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedanc

December

November

Octobe

January Percent Percent Percent Percent No Action Alternative Alternative B Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) 11563 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 685 896 211 30.8% 6110 5523 -587 -9.6% 10781 782 7.3% 298 2.0% 1.2% 21 21 1.2% 2168 1920 -248 -11.4% 1.2% 7215 6200 -1015 -14.1% 1.2% 14749 15106 357 2.4% -109 2.5% 2.5% 1645 1536 -6.6% 2.5% 6852 5963 -888 -13.0% 2.5% 11425 11391 -0.3% 3.7% 3.7% 3.7% 3.7% 1333 1340 0.5% 5913 5961 48 0.8% 11244 11250 6 0.1% 4.9% 4.9% 334 332 -0.4% 4.9% 4807 5036 230 4.8% 4.9% 10953 11092 139 1.3% 6.2% 6.2% 6.2% 6.2% 314 270 -44 -14.1% 4589 4509 -80 -1.7% 10456 10328 -128 -1.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 208 104 132 172.1% 7.4% 4335 4116 -219 -5.0% -14.7% 10022 10067 0.4% 8.6% 8.6% 8.6% 32 72 225.7% 4324 3687 -637 9259 9055 -204 -2.2% 9.9% -527 -5.9% 11.1% 12.3% 0 11.1% 15 -15 -100.0% 11.1% 3452 3141 -311 -9.0% 6571 7405 834 12.7% 13.6% 13.6% 13.6% 13.6% 14.8% -8.0% -12.7% -260 -245 Ω Ω -4 3069 2825 -244 6193 5932 -4 2% -388 16.0% 16.0% 16.0% 0 2933 2643 -290 -9.9% 16.0% 17.3% 5743 5350 -394 -6.9% 18.5% 18.5% 18.5% 18.5% 0 0 1860 2205 345 18.5% 4727 4302 -425 -9.0% 19.8% 21.0% 19.8% 19.8% 21.0% 333 18.4% 19.8% -251 -135 21.0% 1607 1216 -392 -24.4% 3952 3817 -3.4% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% -474 -31.0% -14.8% 22.2% 23.5% -143 -434 -3.7% -11.7% 1138 -168 3723 3288 970 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 776 719 23.5% 33.9% 24.7% 25.9% 3006 2637 628 537 148 182 3397 -391 -11.5% -18.5% 3236 -598 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 534 17 3% 2265 2127 -139 -6.1% 28.4% 501 97 19.4% 2209 -117 -5.3% 598 2092 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 17.8% 12.3% 29.6% 30.9% 2125 2108 2068 1897 -2.7% -10.0% -211 32.1% 32.1% 32.1% 398 438 40 10.1% 32.1% 1700 1607 -93 -5.5% 33.3% 33.3% 33.3% 330 18.8% 33.3% 1161 1130 -30 -2.6% 34.6% 34.6% 34.6% 389 111 39.9% 34.6% 1085 1007 -79 -7.2% 35.8% 35.8% 35.8% 38.9% 35.8% -110 10.3% 349 317 1066 956 106 37.0% 37.0% 37.0% 37.0% 210 50.4% 977 932 -46 -4.7% 38.3% 38.3% 38.3% 111.8% 38.3% 39.5% 39.5% 39.5% 28 -22 39.5% 824 727 -11.8% 40.7% 40.7% 40.7% 40.7% 414 -67 -118 -14.0% -13 42.0% 42.0% 42.0% 42.0% 451 333 -26.1% 43.2% 43.2% 43.2% 43.2% 319 260 -59 -18.5% 44.4% 44.4% 44.4% 44.4% 174 148 -26 -15.1% 45.7% 45.7% 45.7% 45.7% 103 141 46.9% 46.9% 46.9% 46.9% 98 48.1% 49.4% 48.1% 48.1% 0 48.1% 96 53 -43 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 42 -12 51.9% 51.9% 51.9% 53.1% -20 35 12 53.1% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 0 58.0% 58.0% 58.0% 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 0 0 63.0% 0 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-5b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

March

February

Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative B Absolute No Action Alternative Alternative B Absolute No Action Alternative Alternative B No Action Alternative Alternative B Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS (CFS) (CFS) (CFS) (CFS) 0.0% 18736 18624 -112 -0.6% 0.0% 9875 9310 -565 -5.7% 2892 -825 -28.5% 1.2% 18159 17957 -202 -1.1% 1.2% 14705 14093 -612 -4.2% 1.2% 8796 7969 -827 -9.4% 1.2% 1980 1555 -426 -21.5% 2.5% 15350 15597 1.6% 2.5% 13585 13077 -508 -3.7% 2.5% 8066 7657 -408 -5.1% 2.5% 1550 1524 -1.6% 3.7% 3.7% 13328 12980 -348 -2.6% 3.7% 11791 11458 -333 -2.8% 3.7% 7657 7070 -587 -7.7% 873 659 -214 -24.5% 4.9% 11640 11753 113 1.0% 4.9% 9970 9953 -17 -0.2% 4.9% 7057 7061 0.1% 4.9% 6.2% 6.2% 6.2% 6.2% 10925 11732 807 7.4% 8585 8617 32 0.4% 4953 4525 -429 -8.7% 0 0 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 10864 10786 -0.7% 7.4% 7690 6651 -1039 -13.5% 7.4% 3949 0.0% -15.1% -529 8.6% 8.6% 8.6% 10452 10197 -255 -2.4% 7209 6431 -778 -10.8% 3511 2982 9.9% -9.3% -14.9% 3009 -18.1% 11.1% 12.3% 9890 9244 -646 127 -6.5% 1.4% 11.1% 6322 5765 -557 -8.8% 11.1% 2471 2354 -117 -4.7% -17.2% 0 0 13.6% 13.6% 13.6% 13.6% -3.7% -0.7% -391 -383 8858 8531 -326 5093 4735 -358 -7 N% 2059 1667 -19.0% 0 Ω 7839 -294 -18.9% 16.0% 16.0% 16.0% 16.0% 6949 6768 -181 -2.6% 4524 4487 -37 -0.8% 1642 1593 -49 -77 -3.0% 18.5% 18.5% 18.5% 18.5% 6738 6053 -685 -10.2% 3390 3075 -315 -9.3% 1525 1140 -386 -25.3% 0 19.8% 6425 6243 -9.7% 19.8% 3359 2988 -371 -621 -11.0% -19.3% 19.8% 21.0% -537 -50.3% -15.7% 19.8% 5670 -573 -9.2% 3225 2604 595 502 -94 22.2% 23.5% 5349 -11.2% -2.6% 22.2% 23.5% 3184 2339 -845 -535 -26.5% -19.5% 22.2% 23.5% -253 -46.3% -15.9% 22.2% 23.5% 5332 5193 -139 2216 310 2752 260 -49 24.7% 25.9% -4.6% 3.3% 24.7% 25.9% 2704 2562 -20.5% -21.1% 24.7% 25.9% 24.7% 25.9% 5325 -243 2150 -554 305 274 183 -121 -103 -39.9% 4823 4983 -542 -37.5% 160 2020 27.2% 28.4% 7.9% -10.3% 27.2% 28.4% -21.1% -22.2% 27.2% 28.4% 4221 4553 331 2543 2007 -536 27.2% 1969 -561 28.4% 4202 3769 -433 2531 29.6% 30.9% -10.6% -28.1% 29.6% 30.9% 2375 2249 -38.6% -43.4% 29.6% 30.9% 29.6% 30.9% 4164 1458 -917 -1118 1273 -976 3976 32.1% 3709 2802 -906 -24.4% 32.1% 1701 1256 -446 -26.2% 32.1% 32.1% 33.3% -751 -22.0% 33.3% 1144 -424 -27.0% 33.3% 33.3% 34.6% 3214 2444 -769 -23.9% 34.6% 1365 1121 -244 -17.9% 34.6% 34.6% 35.8% 3121 -21.7% 35.8% -21.3% 35.8% 35.8% -278 37.0% 2867 2413 -454 -15.8% 37.0% 1266 761 -505 -39.9% 37.0% 37.0% 38.3% -20.0% 38.3% 38.3% 38.3% 39.5% 2531 2124 -407 -16.1% 39.5% 1051 508 -543 -51.7% 39.5% 39.5% 40.7% 2503 -15.4% 40.7% 935 439 -496 -211 -53.0% 40.7% 40.7% 387 42.0% 2452 2042 -410 -16.7% 42.0% 598 -35.3% 42.0% 42.0% 43.2% 2444 2028 -416 -17.0% 43.2% 508 307 -39.6% 43.2% 43.2% 44.4% 1429 1415 -1.0% 44.4% 504 183 -321 -63.7% 44.4% 44.4% 45.7% 45.7% 45.7% 1202 1089 -113 -9.4% 416 183 -233 -56.0% 45.7% 1084 152 -254 46.9% 1153 -6.1% 46.9% 406 -62.6% 46.9% 46.9% 48.1% 49.4% 1064 963 -101 -9.5% 48.1% 333 147 -186 -55.8% 48.1% 48.1% 1053 -8.7% 49.4% 302 142 -160-53.0% 49.4% 49.4% 50.6% 50.6% 50.6% 866 880 13 1.6% 217 105 -112 -51.7% 50.6% -3.4% -14.3% 4.9% 776 754 -53.4% 51.9% 750 646 51.9% 80 18 -91 -138 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% -108 156 -88.3% 55.6% 56.8% 55.6% 56.8% 55.6% 274 149 -35.8% 176 -98 33 -33 55.6% 58.0% 58.0% 58.0% 137 131 -6 0 0 58.0% 0 0 60.5% 60.5% 60.5% 53 48 0 60.5% 0 61.7% 63.0% 63.0% 63.0% -13 21 0 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 0 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 0 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-5b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

September

Alternative B

Monthly Diversion

(CFS)

Absolute Difference

(CFS)

Relative

Difference (%)

Percent

Exceedance Probability

(%) 0.0%

2.5%

4.9%

1.2%

3.7%

6.2%

7.4% 8.6% 9.9% 11.1% 12.3%

13.6% 14.8%

16.0% 17.3%

18.5%

19.8% 21.0%

22.2% 23.5%

24.7% 25.9%

27.2% 28.4%

29.6% 30.9%

32.1%

33.3% 34.6%

35.8% 37.0%

38.3% 39.5%

40.7% 42.0%

44.4%

45.7% 46.9% 48.1% 49.4%

50.6%

51.9% 53.1% 54.3%

55.6% 56.8%

58.0%

60.5%

64.2% 65.4%

69.1% 70.4%

74.1% 75.3%

76.5% 77.8% 79.0%

80.2%

81.5%

82.7%

84.0%

85.2%

86.4%

87.7%

88.9%

90.1%

91.4% 92.6%

93.8%

96.3% 97.5% 98.8%

0.0

0

0.0

0.0

95.1%

100.0%

63.0%

66.7% 67.9%

71.6% 72.8%

43.2%

No Action Alternative

Monthly Diversion

(CFS)

0

Percent No Action Alternative Absolute Difference Alternative B Exceedance Probability Relative Ex Monthly Diversion Monthly Diversion Difference (%) (CFS) (CFS) 3625 (%) 0.0% (CFS) 3591 -0.9% 1.2% 97 48 -49 -50.5% 2.5% 3.7% 4.9% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 12.3% 13.6% 14.8% 16.0% 17.3% 18.5% 0 19.8% 22.2% 23.5% 24.7% 25.9% 27.2% 28.4% 29.6% 30.9% 32.1% 33.3% 34.6% 35.8% 37.0% 38.3% 39.5% 40.7% 42.0% 43.2% 44.4% 45.7% 46.9% 48.1% 49.4% 50.6% 51.9% 53.1% 54.3% 55.6% 56.8% 58.0% 60.5% 61.7% 63.0% 64.2% 65.4% 66.7% 67.9% 69.1% 70.4% 71.6% 72.8% 74.1% 75.3% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4% 87.7% 88.9% 90.1% 91.4% 92.6% 93.8% 95.1% 96.3% 97.5% 98.8% 0 100.0%

0.0

Proceedings Monthly Difference Monthly Differ	July			riobability	Doability of Exceedance August					
Probability Machiny Diversion (CF3) CF3	Percent	No Antino Alternation		A b 1 - 4 -		Percent	No Antino Alternation		Absolute	
(#3) (#3) (#3) (#3) (#4) (#3) (#3) (#3) (#3) (#3) (#3) (#3) (#3	Exceedance			- Difference		Exceedance			- Difference	
0.0%					Difference (%)					Difference (%)
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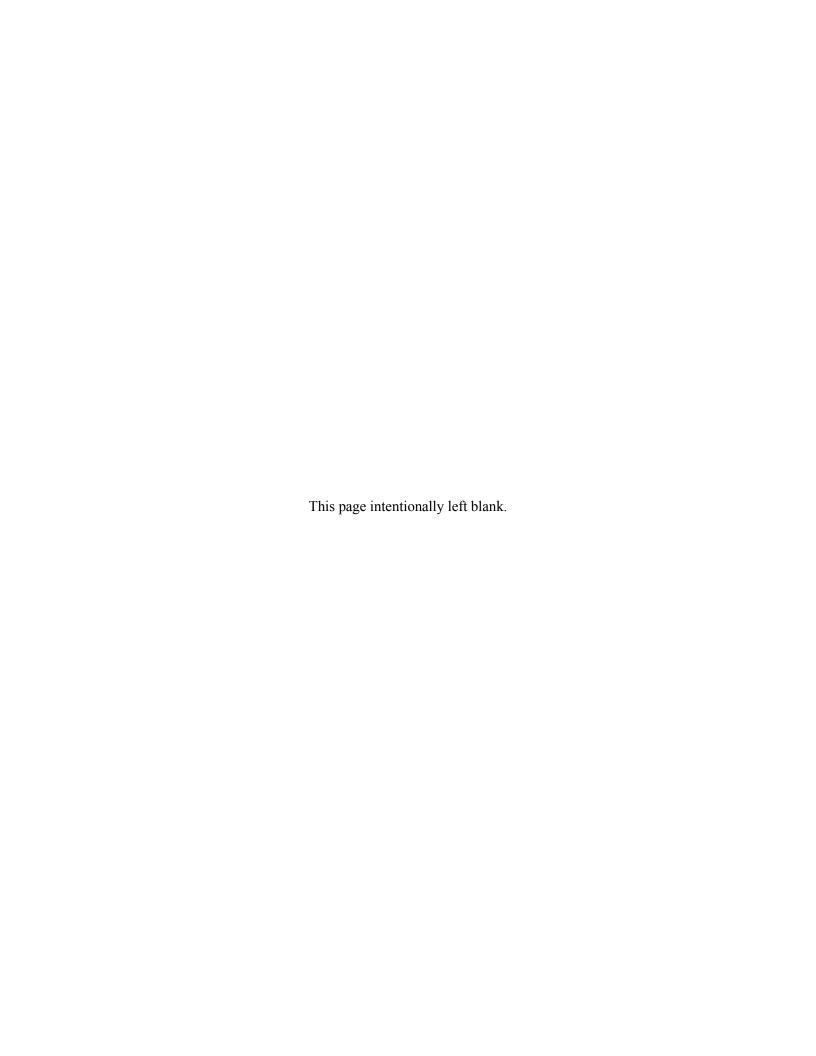


Table SW-49-7a Ord Ferry Spills into Sutter Bypass, Monthly Diversion Long-term Average and Average by Water Year Type

					M	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	0	0	63	257	431	189	14	0	0	0	0	0
Alternative C	0	0	63	233	410	178	13	0	0	0	0	0
Difference	0	0	0	-24	-21	-11	-1	0	0	0	0	0
Percent Difference ³			0.3%	-9.4%	-4.8%	-5.8%	-4.7%					
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	0	29	779	1213	554	34	0	0	0	0	0
Alternative C	0	0	36	721	1171	529	34	0	0	0	0	0
Difference	0	0	7	-57	-43	-25	0	0	0	0	0	0
Percent Difference			22.6%	-7.4%	-3.5%	-4.5%	-0.1%					
Above Normal (15%)												
No Action Alternative	0	0	1	68	316	88	19	0	0	0	0	0
Alternative C	0	0	13	28	268	67	14	0	0	0	0	0
Difference	0	0	13	-41	-47	-21	-4	0	0	0	0	0
Percent Difference				-59.3%	-15.0%	-23.9%	-23.1%					
Below Normal (17%)												
No Action Alternative	0	0	123	0	0	0	0	0	0	0	0	0
Alternative C	0	0	89	0	0	0	0	0	0	0	0	0
Difference	0	0	-34	0	0	0	0	0	0	0	0	0
Percent Difference			-27.6%									
Dry (22%)												
No Action Alternative	0	0	147	0	0	0	0	0	0	0	0	0
Alternative C	0	0	156	0	0	0	0	0	0	0	0	0
Difference	0	0	9	0	0	0	0	0	0	0	0	0
Percent Difference			6.3%									
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

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

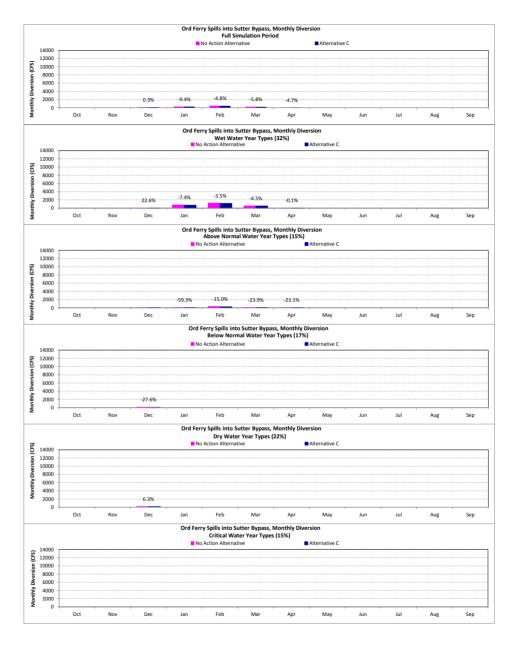


Figure SW-49-7b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

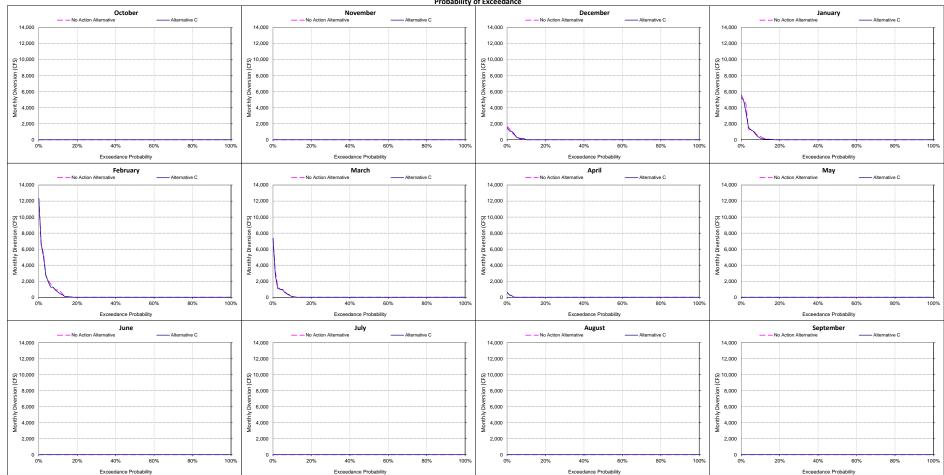


Table SW-49-7b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		October			
Percent	No Action Alternative	Alternative C	Absolute	Relative	
Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%)	
0.0%	(CFS)	(CFS)	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		
	0	0	0		
12.3%					
13.6% 14.8%	0	0	0		
16.0%	0	0	0		
10.0%	0	0	0		
17.3%					
18.5% 19.8%	0	0	0		
	0	0	0		
21.0%	0	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%	Ö	ō	Ō		
86.4%	Ō	0	0		
87.7%	Ö	ō	Ō		
88.9%	0	0	0		
90.1%	ő	ő	Ö		
91.4%	ő	ő	Ö		
92.6%	ő	ő	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		
30.070	U	U	U		

Doroont		November		
Percent xceedance	No Action Alternative	Alternative C	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%)
(%) 0.0%	(CFS)	(CFS)	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% 9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	Ō	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5% 19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	Ō	Ō	
24.7%	0	0	0	
25.9%	0	0	0	
27.2% 28.4%	0	0	0	
28.4%	0	0	0	
30.9%	0	0	0	
32.1%	ő	ő	ő	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0% 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% 46.9%	0	0	0	
46.9% 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% 56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	ő	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2% 65.4%	0	0	0	
65.4%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	Ō	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3% 76.5%	0	0	0	
77.8%	0	0	0	
79.0%	ő	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0% 85.2%	0	0	0	
85.2%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	Ō	Ō	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1% 96.3%	0	0	0	
96.3%	0	0	0	
98.8%	0	0	0	
			0.0	

ceedance		December		
Percent	No Action Alternative	Alternative C	Absolute	5
Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Relative Difference (%)
0.0%	(CFS) 1659	(CFS) 1504	-155	-9.4%
1.2%	1365	1081	-283	-20.8%
2.5%	907	1025	118	13.0%
3.7%	617	722	106	17.1%
4.9%	377	287	-91	-24.0%
6.2%	150	218	68	45.3%
7.4% 8.6%	70 6	171 160	101 153	144.7%
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	ő	ő	ő	
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% 21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	Ö	Ō	Ō	
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% 35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	ő	Ö	ő	
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% 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% 65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	ō	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3% 76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	ő	ő	ő	
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% 92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	ő	ő	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

Percent		January		
Exceedance	No Action Alternative	Alternative C	Absolute Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%
(%) 0.0%	(CFS) 5633	(CFS) 5255	-379	-6.7%
1.2%	4956	4949	-379	-0.1%
2.5%	4426	3392	-1034	-23.4%
3.7%	1331	1595	264	19.8%
4.9%	1271	1221	-49	-3.9%
6.2%	1147	1080	-67	-5.8%
7.4%	807	704	-103	-12.8%
8.6%	492	399	-93	-18.8%
9.9%	408	205	-203	-49.8%
11.1%	255	84	-171	-67.1%
12.3%	135	71	-64	-47.3%
13.6%	131	57	-74	-56.3%
14.8%	29	44	15	51.5%
16.0%	25	30	5	19.2%
17.3%	21	0	-21	-100.0%
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3% 60.5%	0	0	0	
	0	0	0	
61.7%				
63.0% 64.2%	0	0	0	
64.2%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4% 71.6%	0	0	0	
71.6%	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	
85.4%	0	0	0	
00.7%				
88.9% 90.1%	0	0	0	
91.4%	0	0	0	
92.6%			0	
93.8% 95.1%	0	0	0	
	0	0	0	
			0	
96.3%	0	0		
	0 0 0	0	0	

January

Table SW-49-7b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

February Percent Absolute Difference (CFS) No Action Alternative Alternative C Exceedance Probability Relative Difference (%) Monthly Diversion Monthly Diversion (CFS) 12342 6676 4953 2715 1922 (%) 0.0% (CFS) 12366 6536 5493 2709 2095 1642 1220 957 888 763 391 -24 140 -541 6 -173 -0.2% -0.2% 2.1% -9.8% 0.2% -8.3% -22.8% 1.2% 2.5% 3.7% 4.9% 6.2% 7.4% 8.6% 9.9% 9.11.1% 12.3% 14.8% 16.0% 17.3% 18.5% 19.8% 1922 1268 1266 895 665 439 293 -374 -22.8% 3.8% -6.5% -25.2% -42.5% -25.2% -36.1% 19.4% -27.4% -25.2% -62 -224 -324 -99 120 63 77 75 -43 12 50 41 22.2%
22.2%
24.7%
24.7%
27.2%
29.6%
30.21%
33.95%
40.0%
40.9%
40.9%
41.9%
45.9%
46.9%
46.9%
66.7%
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70.6% 74.1%, 75.3% 76.5% 77.8% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4% 99.1% 91.4% 91.4% 92.6% 93.8% 95.5% 96.3% 97.5% 98.8% 100.0%

		March		Probab
Percent exceedance	No Action Alternative	Alternative C	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%)
(%) 0.0%	(CFS) 7360	(CFS) 7359	-1	0.0%
1.2%	3196	2801	-394	-12.3%
2.5%	1350	1099	-251	-18.6%
3.7%	994	994	0	0.0%
4.9%	987	946	-41	-4.2%
6.2%	737	585	-152	-20.6%
7.4%	383	425	41	10.8%
8.6%	322	221	-101	-31.4%
9.9%	91	92	1	0.8%
11.1%	49	49	,	-0.1%
12.3%	0	0	0	*0.176
13.6%	0	0	0	
14.8%	0	0	0	
	0	0	0	
16.0% 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	ō	
38.3%	0	0	Ō	
39.5%	0	ő	ő	
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	
	0	0	0	
48.1% 49.4%	0	0	0	
49.4% 50.6%	0	0	0	
	0			
51.9%		0	0	
53.1% 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%	Ō	0	Ö	
74.1%	0	0	ō	
75.3%	Ö	Ö	ő	
76.5%	o o	Ö	ő	
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	
82.7%	0	0	0	
	0	0	0	
85.2%				
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%	Ō	0	Ö	
96.3%	0	0	ő	
97.5%	0	0	0	
	0	0	0	
98.8%				

ceedance		April		
Percent	No Action Alternative	Alternative C	Absolute	Relative
Exceedance Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	Difference (CFS)	Difference (%)
(%) 0.0%	608	608	0	0.0%
1.2% 2.5%	285 225	284 173	-52	-0.1%
3.7%	0	1/3	-52 0	-23.1%
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6% 9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8% 16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8% 21.0%	0	0	0	
22.2%	0	0	0	
23.5%	Ö	Ö	ō	
24.7%	0	0	0	
25.9% 27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1% 33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3% 39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4% 45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6% 51.9%	0	0	0	
53.1%	Ö	Ō	ō	
54.3%	0	0	0	
55.6% 56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7% 63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9% 69.1%	0	0	0	
70.4%	Ö	Ö	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1% 75.3%	0	0	0	
76.5%	0	0	ō	
77.8%	0	0	0	
79.0% 80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0% 85.2%	0	0	0	
85.2% 86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1% 91.4%	0	0	0	
91.4%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3% 97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

		May		
Percent	No Action Alternative	Alternative C	Absolute	
Exceedance		Monthly Diversion	Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%) 0.0%	(CFS)	(CFS)	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	Ö	Ö	ő	
4.9%	0	0	0	
6.2%	Ö	Ö	ő	
7.4%	0	0	0	
8.6%	0	Ō	Ō	
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% 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%	Ö	Ō	Ö	
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% 65.4%	0	0	0	
	0	0	0	
66.7% 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%	Ō	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	
93.8% 95.1%	0 0 0	0	0	
93.8% 95.1% 96.3%	0 0 0 0	0 0 0	0 0 0	
93.8% 95.1% 96.3% 97.5%	0 0 0 0	0 0 0	0 0 0	
93.8% 95.1% 96.3%	0 0 0 0	0 0 0	0 0 0	

Table SW-49-7b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

August

September

Absolute

Difference

(CFS)

0.0

Relative

Difference (%)

Percent Percent Percent Percent No Action Alternative Alternative C Absolute No Action Alternative Alternative C Absolute No Action Alternative Alternative C Absolute No Action Alternative Alternative C Relative Exceedance Relative Exceedance Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Probability Probability (CFS) (CFS) (CFS) 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 1.2% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 0 13.6% 14.8% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 58.0% 58.0% 58.0% 0 58.0% 0 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-50-7a Moulton Weir Spills into Sutter Bypass, Monthly Diversion

			term Ave				ar Type					
					М	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	0	0	59	283	467	240	32	0	0	0	0	0
Alternative C	0	0	65	269	448	222	31	0	0	0	0	0
Difference	0	0	7	-14	-19	-18	-1	0	0	0	0	0
Percent Difference ³			11.2%	-5.0%	-4.0%	-7.7%	-3.1%					
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	0	42	829	1367	690	83	0	0	0	0	0
Alternative C	0	0	49	804	1324	649	83	0	0	0	0	0
Difference	0	0	8	-25	-43	-41	0	0	0	0	0	0
Percent Difference			18.3%	-3.0%	-3.1%	-6.0%	0.1%					
Above Normal (15%)												
No Action Alternative	0	0	7	139	229	147	38	0	0	0	0	0
Alternative C	0	1	20	96	188	111	31	0	0	0	0	0
Difference	0	1	13	-44	-40	-37	-7	0	0	0	0	0
Percent Difference				-31.3%	-17.7%	-24.9%	-18.0%					
Below Normal (17%)												
No Action Alternative	0	0	94	1	0	0	0	0	0	0	0	0
Alternative C	0	0	87	3	4	0	0	0	0	0	0	0
Difference	0	0	-7	1	4	0	0	0	0	0	0	0
Percent Difference			-7.9%	106.9%								
Dry (22%)												
No Action Alternative	0	0	130	0	0	0	0	0	0	0	0	0
Alternative C	0	0	146	0	0	0	0	0	0	0	0	0
Difference	0	0	16	0	0	0	0	0	0	0	0	0
Percent Difference			12.3%									
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

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

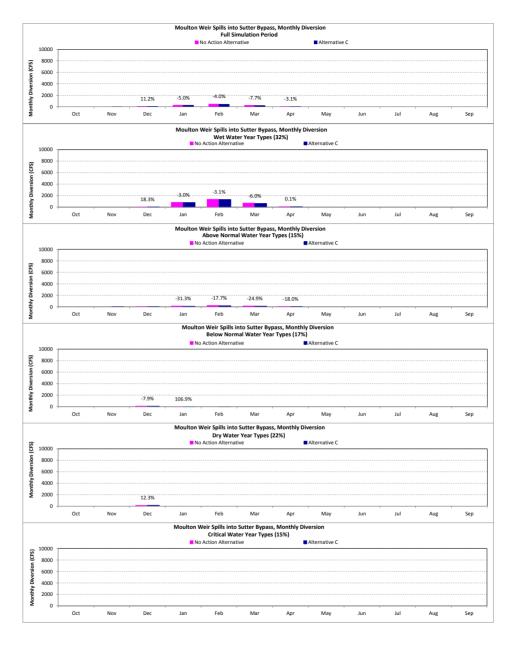


Figure SW-50-7b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

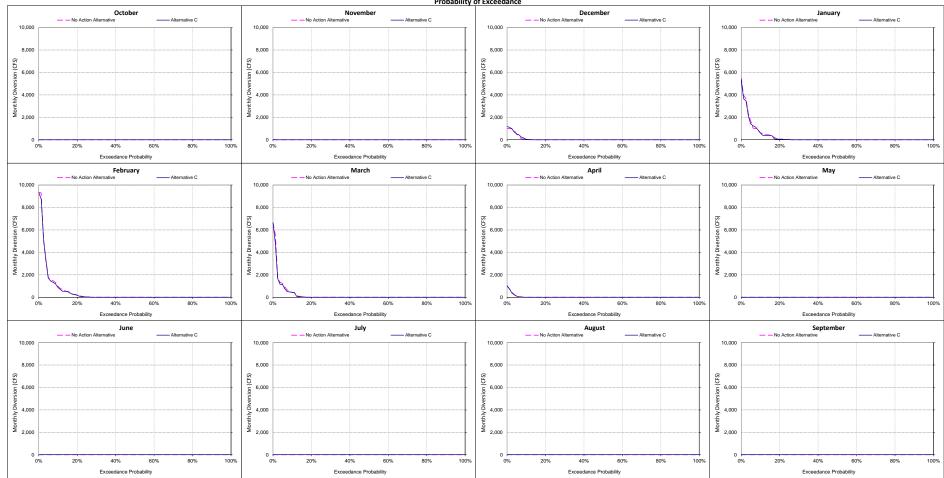


Table SW-50-7b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

December

Octobe

January Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative C Absolute No Action Alternative Alternative C Absolute No Action Alternative Alternative C No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) (%) (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 17.0% 5535 -165 -3.0% 1.2% 1.2% 1.2% 1009 1101 92 9.1% 1.2% 3947 3652 -296 -7.5% 2.5% 2.5% 2.5% 969 974 0.5% 2.5% 3653 3469 -184 -5.0% 3.7% 3.7% 3.7% 3.7% 839 692 -146 -17.4% 2312 2105 -207 -9.0% -241 4.9% 4.9% 4.9% 494 523 29 6.0% 4.9% 1658 1416 -14.6% 6.2% 6.2% 6.2% 6.2% 351 437 86 24.5% 1025 1255 230 22.4% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 231 144 211.4% 1003 1130 127 12.6% 8.6% 8.6% 8.6% 53 92 175.1% 33.1% 890 899 9 1.0% 9.9% 632 11.1% 12.3% 0 11.1% 11.1% 0 36 571 389 -182 -31.9% 13.6% 14.8% 13.6% 13.6% 13.6% Ω Ω Λ 0 444 376 -67 -40 -15.1% 374 16.0% 16.0% 16.0% 0 16.0% 17.3% 309 348 39 -147 12.5% 18.5% 18.5% 18.5% 18.5% 77 48 -29 -37.6% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 53 47 21.0% 45 -2.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 42.5% 54.7% 26 18 28 10 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 58.0% 58.0% 58.0% 0 58.0% 0 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 0 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-50-7b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

February Percent Absolute Difference (CFS) No Action Alternative Alternative C Exceedance Probability Relative Difference (%) Monthly Diversion Monthly Diversion (%) 0.0% (CFS)
9355
9304
5144
3323
1751
1559
1482
1317
976
806
682
574
510
466
290
239
236
118
38
101
38 (CFS) 9327 8747 5123 3346 1733 1437 1322 1200 880 702 541 531 516 -28 -0.3% 1.2% 2.5% 3.7% 4.9% 6.2% 6.2% 9.9% 11.1% 12.3% 16.0% 17.3% 18.5% 19.8% 21.0% -558 -21 23 -19 -6.0% -0.4% -0.7% -1.1% -7.9% -10.8% -8.9% -9.8% -12.9% -20.6% -7.6% 1.0% -18.4% -0.5% -13.1% -18.1% -18.1% -41.1% -123 -161 -117 -96 -104 -141 -44 5 -86 -2 -1 -43 -22 380 289 238 193 96 21.0% 22.2% 23.5% 24.7% 25.9% 27.2% 28.4% 30.9% 32.1% 33.3% 34.6% 35.8% 39.5% 39.5% 40.7% 42.0% 43.2% 44.0% 44.0% 45.7% 46.0% 50.0% 50.0% 50.0% 60.7% 60.0% 74.1%, 75.3% 76.5% 77.8% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4% 99.1% 91.4% 91.4% 92.6% 93.8% 95.5% 96.3% 97.5% 98.8%

100.0%

		March		Probal
Percent	No Action Alternative	Absolute		
Exceedance Probability	Monthly Diversion	Alternative C Monthly Diversion	Difference	Relative Difference (%)
(%)	(CFS)	(CFS)	(CFS)	
0.0% 1.2%	6639 5565	6639 4847	0 -718	0.0% -12.9%
2.5%	1750	1676	-73	-4.2%
3.7%	1332	1160	-172	-12.9%
4.9%	1238	1140	-98	-7.9%
6.2%	899	738	-161	-17.9%
7.4%	664	495	-169	-25.4%
8.6% 9.9%	469 443	469 444	0	0.0% 0.2%
11.1%	412	411	-1	-0.3%
12.3%	124	71	-53	-42.8%
13.6%	87	40	-47	-53.9%
14.8%	47	29	-18	-38.0%
16.0%	34	27	-8	-22.8%
17.3%	1	8	7	
18.5% 19.8%	1 0	1	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	ő	ő	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2% 28.4%	0	0	0	
28.4%	0	0	0	
30.9%	0	0	0	
32.1%	ő	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3% 39.5%	0	0	0	
40.7%	0	0	0	
42.0%	ő	Ö	ő	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1% 49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	ő	
53.1%	Ō	Ö	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0% 59.3%	0	0	0	
60.5%	0	0	0	
61.7%	ő	0	0	
63.0%	o o	0	0	
64.2%	0	Ō	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9% 69.1%	0	0	0	
69.1% 70.4%	0	0	0	
71.6%	0	0	0	
72.8%	ő	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0% 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% 90.1%	0	0	0	
90.1%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	ő	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	

Percent	No Action Alternative	Alternative C	Absolute		
Exceedance			- Difference	Relative	
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	
(%)	(CFS)	(CFS)			
0.0%	1015	1016	0	0.0%	
1.2%	737	738	1	0.1%	
2.5%	459	376	-83	-18.0%	
3.7%	227	229	2	0.8%	
4.9%	96	96	0	-0.2%	
6.2%	40	40	0	-0.1%	
7.4%	36	36	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%	Ö	Ō	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	Ö		
19.8%	0	0	0		
	0	0	0		
21.0% 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	Ó	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	Ö		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
		0	0		
45.7%	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%	Ö	Ō	0		
66.7%	0	0	0		
67.9%	Ö	Ö	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%	Ö	Ö	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		
	0				
		0	0		
95.1%			0		
96.3%	0				
96.3% 97.5%	0	0	0		
96.3%					

Percent	No Action Alternative	Alternative C	Absolute	
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	Relative Difference (%)
(%)	(CFS)	(CFS)	(CFS)	Difference (74)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9% 6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	ō	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3% 18.5%	0	0	0	
19.8%	0	0	0	
21.0%	Ö	Ö	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% 30.9%	0	0	0	
30.9%	0	0	0	
33.3%	0	0	0	
34.6%	Ö	o o	ő	
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% 44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	Ö	0	ő	
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% 56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	ō	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0			
67.9% 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% 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% 91.4%	0	0	0	
91.4%	0	0	0	
93.8%	0	0	0	
95.1%	ő	Ö	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

Table SW-50-7b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

September

August Percent Percent Percent Percent No Action Alternative Alternative C Absolute Relative Relative Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (%) 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 1.2% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 9.9% 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 13.6% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 58.0% 58.0% 58.0% 0 58.0% 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-51-7a

Colusa Weir Spills into Sutter Bypass, Monthly Diversion

Long-term Average and Average by Water Year Type

					М	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	7	126	1329	3917	5723	3523	1174	68	19	0	0	0
Alternative C	9	127	1387	3741	5349	3320	1173	59	17	0	0	0
Difference	2	1	58	-176	-374	-202	-1	-9	-2	0	0	0
Percent Difference ³			4.3%	-4.5%	-6.5%	-5.7%	-0.1%					
				Water Y	ear Types							
Wet (32%)												
No Action Alternative	0	35	1292	9956	14022	8607	3195	128	61	0	0	0
Alternative C	0	60	1348	9859	13585	8325	3215	102	55	0	0	0
Difference	0	25	57	-97	-437	-281	20	-26	-5	0	0	0
Percent Difference			4.4%	-1.0%	-3.1%	-3.3%	0.6%					
Above Normal (15%)												
No Action Alternative	0	589	1240	3961	5888	4959	997	187	0	0	0	0
Alternative C	0	553	1180	3231	5145	4462	972	184	0	0	0	0
Difference	0	-36	-60	-729	-743	-497	-25	-2	0	0	0	0
Percent Difference		-6.1%	-4.8%	-18.4%	-12.6%	-10.0%	-2.5%	-1.3%				
Below Normal (17%)												
No Action Alternative	40	75	1613	716	1433	83	89	0	0	0	0	0
Alternative C	51	76	1762	643	989	27	69	0	0	0	0	0
Difference	11	0	150	-73	-444	-56	-20	0	0	0	0	0
Percent Difference	27.5%	0.6%	9.3%	-10.2%	-31.0%	-67.4%	-22.9%					
Dry (22%)												
No Action Alternative	0	75	2090	256	768	245	0	0	0	0	0	0
Alternative C	0	66	2194	145	538	104	0	0	0	0	0	0
Difference	0	-9	104	-111	-231	-141	0	0	0	0	0	0
Percent Difference	ŭ	-12.1%	5.0%	-43.4%	-30.0%	-57.6%	,	,	,	5	3	·
Critical (15%)						,						
No Action Alternative	0	0	29	14	13	0	0	0	0	0	0	0
Alternative C	0	0	28	2	8	0	0	0	0	0	0	0
Difference	0	0	-1	-12	-5	0	0	0	0	0	0	0
Percent Difference	Ü	,	-2.3%	-82.7%	-38.9%	-	,	,	,		-	

1 Based on the 82-year simulation period

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

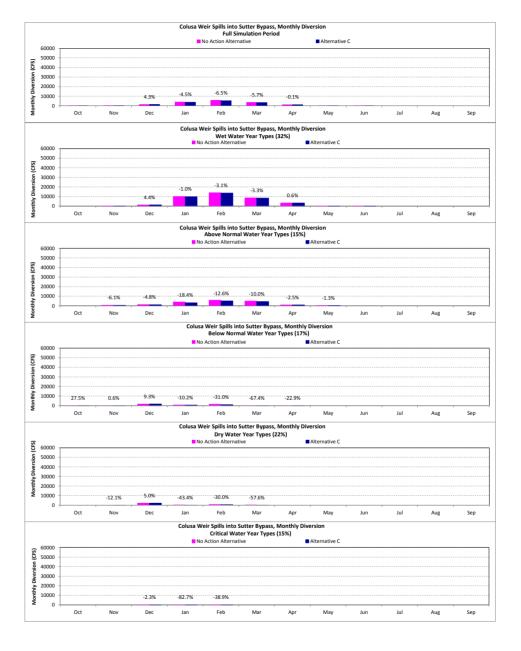


Figure SW-51-7b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

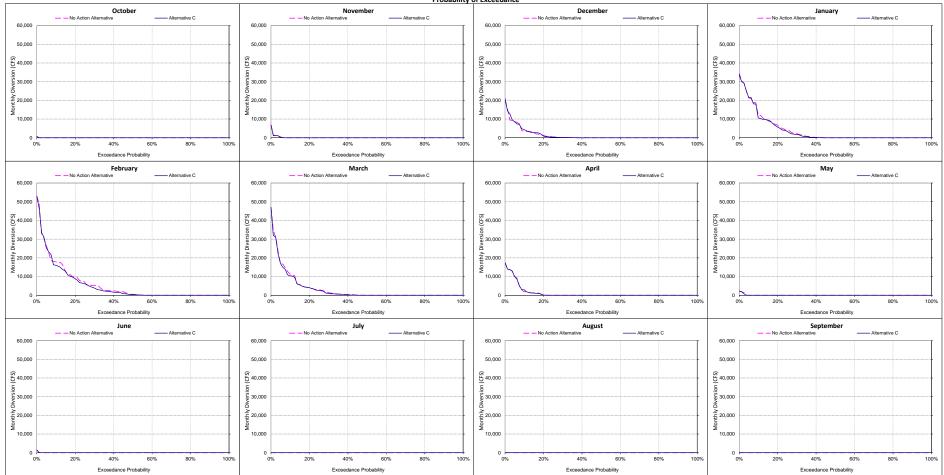


Table SW-51-7b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

December

Octobe

January Percent Percent Percent Percent No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 559 154 27.5% 6635 -430 -6.1% 19690 20916 1226 6.2% 34396 -549 -1.6% 1.2% 1.2% 1342 1187 -156 -11.6% 1.2% 15339 14334 -1004 -6.5% 1.2% 30467 30033 -434 -1.4% 2.5% 2.5% 1052 1181 12.2% 2.5% 9438 12693 3255 34.5% 2.5% 29120 29281 0.6% 3.7% 3.7% 3.7% 3.7% 585 1059 473 80.9% 9260 9665 405 4.4% 24936 24926 -11 0.0% 4.9% 4.9% 318 345 8.3% 4.9% 8690 8510 -180 -2.1% 4.9% 21295 21610 315 1.5% 6.2% 6.2% 6.2% 6.2% 0 27 8205 7431 -774 -9.4% 20927 21562 636 3.0% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 7529 7059 -470 -6.2% 25.4% 19015 18100 -914 -4.8% 8.6% 8.6% 3842 3410 4820 977 18640 18038 -602 -3.2% -11.7% 9.9% 27.4% 10579 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 0 3381 3760 3207 380 11.2% -4.7% 11956 10245 -1711 -710 -14.3% 13.6% 13.6% 13.6% 13.6% 14.8% Ω Ω Ω 3262 2872 -390 -11.9% 10025 9707 -318 -3 2% 206 16.0% 16.0% 16.0% 0 1997 2719 722 36.1% 16.0% 17.3% 8577 9018 441 5.1% 18.5% 18.5% 18.5% 18.5% 1632 2006 374 22.9% 7295 6637 -658 -9.0% 19.8% 21.0% 19.8% 19.8% 21.0% 1010 542 -354 -26.0% 19.8% 6835 5815 5833 -1003 -14.7% -11.2% 21.0% 840 -298 -35.5% 5161 -654 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% -187 -25.7% 22.2% 23.5% 4116 -872 -17 5% 333 -13.0% 722 -389 -53.9% 4592 -597 3996 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 329 312 24.7% 25.9% -261 -1061 -6.9% -28.0% 444 -115 -27 -25.8% 3793 3532 338 -7.9% 3788 2727 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% -25.4% -17.8% 27.2% -9.6% 2797 2087 -710 28.4% 45.1% 2342 -416 75 1926 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 27.0% 73.1% 29.6% 30.9% 2254 1865 -25.1% -14.9% 1689 1587 -566 -278 32.1% 32.1% 32.1% 104 31.7% 32.1% 1582 1118 -464 -29.3% 33.3% 33.3% 33.3% -84.5% 33.3% -347 -33.6% 34.6% 34.6% 34.6% 34.6% 821 612 -209 -25.5% 35.8% 35.8% 35.8% 35.8% -24.0% 37.0% 187 -306 37.0% 37.0% 37.0% 493 -62.1% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 244 93 -151 -62.0% 40.7% 40.7% 40.7% 40.7% 122 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 75 -75 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 0 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 58.0% 58.0% 58.0% 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-51-7b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

March

February Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative C Absolute No Action Alternative Alternative C Absolute No Action Alternative Alternative C No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) 17385 (CFS) 17401 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 53046 53019 -27 -0.1% 46969 46968 0.0% 0.1% -1.3% 1.2% 49189 46362 -2827 -5.7% 1.2% 34582 32037 -2545 -7.4% 1.2% 13969 13960 -0.1% 1.2% 1860 1849 -11 -0.6% 2.5% 33038 33475 437 1.3% 2.5% 31132 31094 -38 -0.1% 2.5% 13675 13678 0.0% 2.5% 1459 803 -656 -45.0% 3.7% 3.7% 3.7% 30755 31180 425 1.4% 3.7% 23411 22188 -1223 -5.2% 12966 12966 0.0% 0 4.9% 26703 25428 -1275 -4.8% 4.9% 17043 17019 -24 -0.1% 4.9% 10049 10046 0.0% 4.9% 6.2% 6.2% 6.2% 6.2% 22915 23251 336 1.5% 16703 14907 -1796 -10.8% 9208 8575 -633 -6.9% 0 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 18664 21708 3043 16.3% 7.4% 14755 13826 -929 -1740 -6.3% 7.4% 5026 5025 0.0% -1 118 8.6% 8.6% 8.6% 17950 16316 -1634 -9.1% 12737 10997 -13.7% 2869 2987 4.1% 9.9% 17925 -10.6% -9.1% 52.2% 11.1% 12.3% 11.1% 12.3% 17625 15622 -2004 -11.4% -14.9% 11.1% 10899 10275 -624 -5.7% 1857 1860 4 0.2% 2.0% 0 0 13.6% 13.6% 13.6% 13.6% 15972 13607 -2365 -14.8% 6055 6061 6 -188 0.1% 1283 1241 -42 -3.3% 0 Ω 399 16.0% 16.0% 16.0% 16.0% 11444 10897 -547 -4.8% 5270 4989 -281 -5.3% 1251 1036 -215 -17.2% 18.5% 18.5% 0.0% 18.5% 18.5% 9984 9740 -243 -2.4% 4280 4281 659 657 -3 -18 -0.4% 0 19.8% 21.0% 9724 9497 -703 -7.2% -14.6% 19.8% 4180 4128 19.8% 21.0% 19.8% 21.0% 8107 -1390 3669 3648 -22 -0.6% 48 22.2% 23.5% 7924 7401 -1127 -14.2% -11.5% 22.2% 23.5% 3346 3342 2748 -0.1% 22.2% 23.5% 22.2% 23.5% 6551 -253 -8.4% -850 3001 0 24.7% 25.9% 7267 5435 24.7% 25.9% -11.3% -14.3% 24.7% 25.9% 24.7% 25.9% -1087 -15.0% 2925 2593 5826 391 7.2% 2758 2365 -393 27.2% 28.4% -8.0% -17.0% 27.2% 28.4% 27.2% 28.4% 5428 4993 -435 2475 2191 -284 -11.5% 27.2% 5342 4433 1191 -670 -36.0% 28.4% -909 1861 29.6% 30.9% 5275 5208 -23.7% -35.2% 29.6% 30.9% -31.7% -30.9% 29.6% 30.9% 29.6% 30.9% 4025 3375 -1251 -1834 1574 1076 -498 -352 788 1139 32.1% 4943 2956 -1987 -40.2% 32.1% 1074 764 -310 -28.8% 32.1% 32.1% 33.3% 3667 2777 -890 -24.3% 33.3% 661 -256 -27.9% 33.3% 33.3% 34.6% 2783 2325 -458 -16.5% 34.6% 654 594 -60 -9.1% 34.6% 34.6% 35.8% -15.0% 35.8% 35.8% 35.8% 2667 -399 -0.2% 571 37.0% 2603 1963 -640 -24.6% 37.0% 256 -315 -55.2% 37.0% 37.0% 38.3% 38.3% -56.8% 38.3% 38.3% -271 39.5% 2311 1725 -586 -25.4% 39.5% 421 168 -253 -60.1% 39.5% 39.5% 40.7% -33.2% 40.7% 400 157 -243 -60.8% 40.7% 40.7% -24.8% 42.0% 1990 1496 -494 42.0% 369 121 -248 -67.3% 42.0% 42.0% 43.2% 1940 1429 -510 -26.3% 43.2% 202 98 -103 -51.3% 43.2% 43.2% 44.4% 1906 1064 -841 -44.1% 44.4% -170 -86.7% 44.4% 44.4% 45.7% 45.7% 45.7% 1681 791 -890 -52.9% 48 -48 45.7% -287 -29.2% 46.9% 983 696 46.9% 46.9% 46.9% 48.1% 48.1% 49.4% 553 410 -142 -25.8% 48.1% 48.1% 534 382 -152 -28.4% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 498 372 -126 -25.3% 50.6% -5.4% 51.9% 290 160 274 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% QR. -62 Ω 55.6% 56.8% 55.6% 56.8% 55.6% 0 0 55.6% 58.0% 58.0% 58.0% 0 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 0 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-51-7b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

August

September

Relative

Difference (%)

Percent Percent Percent Percent No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Probability Probability (CFS) (CFS) (CFS) (CFS) (CFS) 1574 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 1434 -140 -8.9% 1.2% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 0 13.6% 14.8% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 21.0% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 55.6% 58.0% 58.0% 58.0% 0 58.0% 0 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 0 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-7a
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

					М	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ıg-term							
Full Simulation Period ¹												
No Action Alternative	8	147	1010	2248	3231	2125	897	89	45	0	0	0
Alternative C	10	133	961	2135	3007	1956	871	80	45	0	0	0
Difference	2	-15	-50	-113	-224	-169	-26	-9	-1	0	0	0
Percent Difference ³		-9.9%	-4.9%	-5.0%	-6.9%	-7.9%	-2.9%	-10.3%				
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	98	1109	5277	7193	4834	2396	169	143	0	0	0
Alternative C	0	91	1042	5211	6964	4605	2353	143	141	0	0	0
Difference	0	-7	-67	-66	-230	-229	-43	-26	-3	0	0	0
Percent Difference			-6.0%	-1.3%	-3.2%	-4.7%	-1.8%					
Above Normal (15%)												
No Action Alternative	0	511	1096	2726	3647	3200	767	241	0	0	0	0
Alternative C	0	447	973	2344	3260	2881	724	234	0	0	0	0
Difference	0	-64	-123	-382	-388	-320	-44	-7	0	0	0	0
Percent Difference		-12.5%	-11.2%	-14.0%	-10.6%	-10.0%	-5.7%	-2.8%				
Below Normal (17%)												
No Action Alternative	49	101	1231	613	1293	265	147	0	0	0	0	0
Alternative C	59	103	1277	550	1011	152	110	0	0	0	0	0
Difference	10	2	46	-63	-282	-113	-37	0	0	0	0	0
Percent Difference	20.0%	2.1%	3.7%	-10.2%	-21.8%	-42.7%	-25.3%					
Dry (22%)												
No Action Alternative	0	110	1255	278	823	356	0	0	0	0	0	0
Alternative C	0	95	1174	175	624	221	0	0	0	0	0	0
Difference	0	-15	-80	-103	-199	-134	0	0	0	0	0	0
Percent Difference		-13.4%	-6.4%	-37.0%	-24.2%	-37.8%						
Critical (15%)												
No Action Alternative	0	0	86	67	101	3	0	0	0	0	0	0
Alternative C	0	0	83	48	87	0	0	0	0	0	0	0
Difference	0	0	-3	-19	-14	-3	0	0	0	0	0	0
Percent Difference			-4.0%	-28.3%	-14 3%	-100.0%						

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)

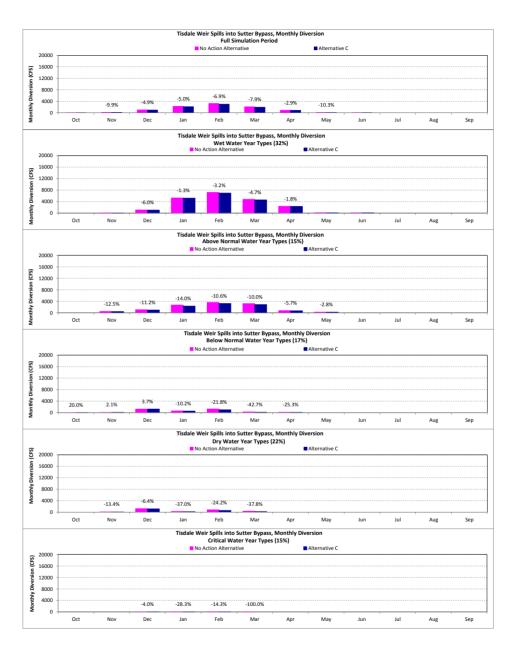


Figure SW-52-7b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

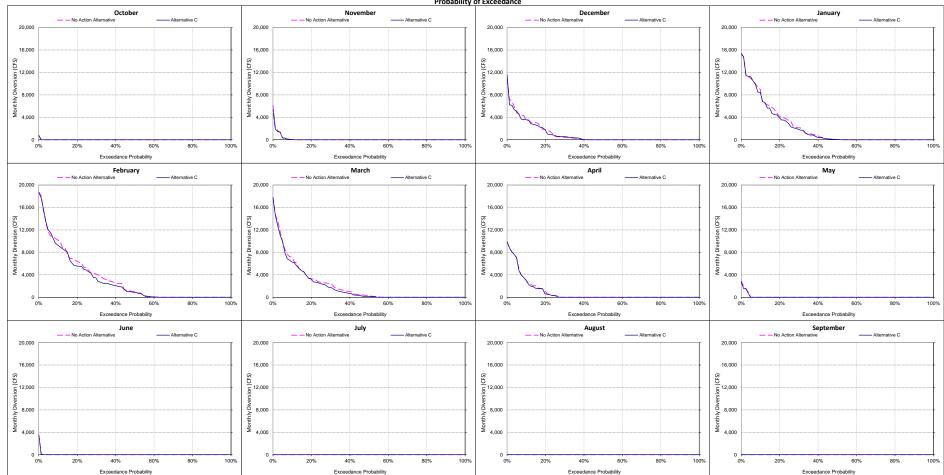


Table SW-52-7b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Octobe November December January Percent Percent Percent Percent No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) 11563 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 685 822 137 20.0% 6110 5314 -795 -13.0% 10781 783 7.3% 142 0.9% 1.2% 1.2% 2168 1904 -264 -12.2% 1.2% 7215 6219 -996 -13.8% 1.2% 14749 14783 35 0.2% 2.5% 2.5% 1645 1444 -201 -12.2% 2.5% 6852 6147 -10.3% 2.5% 11425 11418 -0.1% 3.7% 3.7% 3.7% 3.7% 1333 1343 10 0.7% 5913 5363 -551 -9.3% 11244 11308 64 0.6% 5114 4.9% 4.9% 334 332 -0.3% 4.9% 4807 307 6.4% 4.9% 10953 11254 301 2.7% 6.2% 6.2% 6.2% 6.2% 314 270 -45 -14.2% 4589 4509 -80 -1.7% 10456 10477 21 0.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 40 71 52.7% 221.7% 7.4% 8.6% 4335 -16.0% 10022 9864 -159 -1.6% 8.6% 8.6% 32 103 4324 3628 -696 -16.1% 9259 8501 -758 -549 -8.2% 9.9% 2.6% 11.1% 12.3% 11.1% 0 11.1% 15 -15 -100.0% 3452 3513 61 1.8% 6571 6792 221 144 3.4% 13.6% 13.6% 13.6% 13.6% 14.8% Ω -4 3069 2763 -306 -10.0% 6193 5667 -526 -8 5% -404 -13.3% 5624 -516 16.0% 16.0% 16.0% 0 2933 2456 -477 -16.3% 16.0% 17.3% 5743 4663 -1080 -18.8% 18.5% 18.5% 18.5% 14.0% 18.5% 0 0 1860 2119 260 4727 4447 -280 -5.9% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 21.0% -250 -426 -5.9% 2 -598 21.0% 1607 1009 -37.2% 3952 3526 -10.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% -581 -38.1% -23.3% 22.2% 23.5% 3492 -389 -10.0% 1138 872 3723 3270 -452 -12.2% -266 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 23.9% 16.4% 24.7% 25.9% 628 537 150 88 3397 2844 -553 -969 16.3% 625 3236 -30.0% 2266 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 534 616 15 3% 2265 2127 -138 -6 1% 28.4% 501 583 82 16.3% 2209 -203 -9.2% 2006 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 39.4% 31.9% 29.6% 30.9% 2125 2108 1882 1710 573 533 162 129 -243 -398 -11.4% 18.9% 32.1% 32.1% 32.1% 398 439 41 10.3% 32.1% 1700 1703 0.2% 33.3% 33.3% 33.3% 330 108 32.9% 33.3% 1161 1250 90 7.7% 34.6% 34.6% 34.6% 68 24.4% 34.6% 1085 970 -116 -10.7% 35.8% 35.8% 35.8% 79 31.5% 35.8% 37.0% -209 1066 856 -19.6% -136 37.0% 37.0% 37.0% 210 310 47.1% 977 841 -13.9% 38.3% 38.3% 38.3% 96.7% 38.3% 39.5% 39.5% 39.5% 39.5% 824 434 -390 -47.4% 40.7% 40.7% 40.7% 40.7% -98 -116 -20.3% -13 42.0% 42.0% 42.0% 42.0% 451 334 -25.8% 43.2% 43.2% 43.2% 43.2% 319 240 -79 -24.8% 44.4% 44.4% 44.4% 44.4% 174 -17.0% 45.7% 45.7% 45.7% 45.7% 103 143 40 46.9% 46.9% 46.9% 46.9% 98 102 48.1% 49.4% 48.1% 48.1% 0 48.1% 96 47 -49 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 42 -12 51.9% 51.9% 51.9% 53.1% 35 12 -35 -12 53.1% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 0 58.0% 58.0% 58.0% 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 0 0 63.0% 0 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-7b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

March

February

Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative C Absolute No Action Alternative Alternative C Absolute No Action Alternative Alternative C No Action Alternative Alternative C Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) (CFS) 18730 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS (CFS) (CFS) (CFS) (CFS) 0.0% 18736 0.0% 0.0% 9875 9901 27 0.3% 2892 2811 -2.8% 1.2% 18159 17669 -490 -2.7% 1.2% 14705 14665 -40 -0.3% 1.2% 8796 8797 0.0% 1.2% 1980 1553 -427 -21.6% 2.5% 15350 15597 1.6% 2.5% 13585 12770 -815 -6.0% 2.5% 8066 8079 0.2% 2.5% 1550 1527 -1.4% 3.7% 3.7% 13328 13487 159 1.2% 3.7% 11791 11127 -664 -5.6% 3.7% 7657 7658 0.0% 873 649 -224 -25.6% 4.9% 11640 11944 304 2.6% 4.9% 9970 9960 -10 -0.1% 4.9% 7057 7056 0.0% 4.9% 6.2% 6.2% 6.2% 6.2% 10925 11541 617 5.6% 8585 7951 -634 -7.4% 4953 4729 -225 -4.5% 0 0 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 10864 10515 -349 -3.2% 7.4% 7690 6846 -844 -11.0% 7.4% 3949 0.0% 0 8.6% 8.6% 8.6% 10452 9628 -824 -7.9% -9.1% 7209 6625 -584 -8 1% 3511 3514 0.1% 9.9% -12.6% 3009 -924 11.1% 12.3% 9890 8999 -891 -189 -9.0% -2.1% 11.1% 6322 6194 -127 -2.0% 11.1% 2471 2354 -117 -4.7% -14.1% 0 0 13.6% 13.6% 13.6% 13.6% 8858 8352 -506 -5.7% 5093 5097 4 -83 0.1% 2059 1886 -173 -8.4% 0 Ω 7839 4736 16.0% 16.0% 16.0% 16.0% 6949 6685 -264 -3.8% 4524 4526 1 0.0% 1642 1537 -104 -6.4% 18.5% -16.1% 18.5% -0.2% 18.5% -27 18.5% 6738 5653 -1085 3390 3384 -6 1525 1499 -1.7% 0 19.8% 21.0% 6425 6243 -13.5% -11.3% 19.8% 3359 3214 -4.3% -15.0% 19.8% 21.0% 591 535 -475 -44.6% 19.8% 21.0% 5536 -707 3225 2742 -483 595 -60 -10.1% 22.2% 23.5% 5493 -8.9% -7.1% 22.2% 23.5% 3184 -16.0% -6.1% 22.2% 23.5% -120 -21.9% 22.2% 23.5% 5332 4953 -379 -168 310 2752 2584 309 0 0.0% 24.7% 25.9% -8.8% -6.0% 24.7% 25.9% 2704 2562 2469 2307 24.7% 25.9% -6.0% -37.3% 24.7% 25.9% 5325 -467 -234 -255 305 274 4823 172 -102 4535 -288 -9.9% 27.2% 28.4% 2.9% 27.2% 28.4% 27.2% 28.4% 4221 4342 120 2543 2234 1851 -309 -12 1% 27.2% -26.8% 28.4% 4202 3518 -684 2531 -679 29.6% 30.9% -16.5% -29.6% 29.6% 30.9% 2375 2249 -28.2% -26.6% 29.6% 30.9% 29.6% 30.9% 4164 3477 1706 -669 -599 -1176 1650 3976 32.1% 3709 2674 -1035 -27.9% 32.1% 1701 1328 -374 -22.0% 32.1% 32.1% 33.3% -885 -26.0% 33.3% 1151 -26.5% 33.3% 33.3% 3214 34.6% 2458 -755 -23.5% 34.6% 1365 1048 -317 -23.2% 34.6% 34.6% 35.8% 3121 -21.7% 35.8% 946 892 -27.4% 35.8% 35.8% -676 -358 37.0% 2867 2309 -559 -19.5% 37.0% 1266 -375-29.6% 37.0% 37.0% 38.3% -21.1% 38.3% 788 38.3% 38.3% 39.5% 2531 2119 -412 -16.3% 39.5% 1051 648 -403 -38.4% 39.5% 39.5% 40.7% 2503 -19.6% 40.7% 935 638 -297 -31.7% 40.7% 40.7% -557 404 -194 42.0% 2452 1896 -22.7% 42.0% 598 -32.4% 42.0% 42.0% 43.2% 2444 1830 -614 -25.1% 43.2% 508 372 -136 -26.7% 43.2% 43.2% 44.4% 1429 1370 -58 -4.1% 44.4% 504 332 -172 -34.1% 44.4% 44.4% 45.7% 45.7% 45.7% 1202 1040 -162 -13.5% 416 258 -158 -38.0% 45.7% -14.3% -59.4% 46.9% 1153 988 165 46.9% 406 165 -242 46.9% 46.9% 48.1% 49.4% 1064 930 -134 -12.6% 48.1% 333 141 -192 -57.7% 48.1% 48.1% 1053 -16.5% 49.4% -170 -56.2% 49.4% 49.4% 50.6% 50.6% 50.6% 866 829 -37 -4.3% 217 110 -106 -49.1% 50.6% -12.8% -13.2% -8.6% 776 754 -51.7% 51.9% 51.9% 83 77 -88 -80 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% -100 -50.9% 654 156 55.6% 56.8% 55.6% 56.8% 55.6% 274 149 144 -47.5% -130 33 -33 55.6% 58.0% 58.0% 58.0% 137 90 -46 0 0 58.0% 0 0 60.5% 60.5% 60.5% 53 -19 0 60.5% 61.7% 63.0% 63.0% 63.0% 21 -21 0 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 0 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-7b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

August

September

Relative

Difference (%)

Percent Percent Percent Percent No Action Alternative Alternative C Absolute Relative Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 3625 3561 -63 -1.7% 1.2% 1.2% 1.2% 97 93 -3.6% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 11.1% 12.3% 11.1% 12.3% 11.1% 0 13.6% 14.8% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 55.6% 58.0% 58.0% 58.0% 0 58.0% 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0



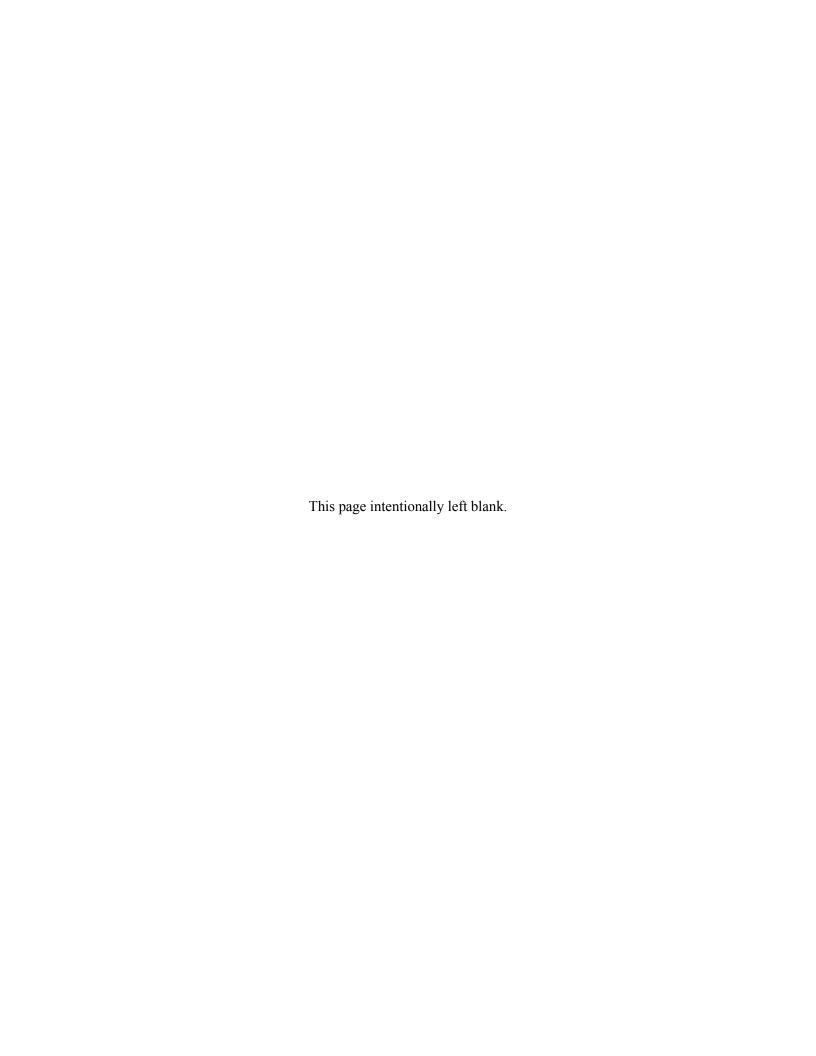


Table SW-49-9a Ord Ferry Spills into Sutter Bypass, Monthly Diversion Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	0	0	63	257	431	189	14	0	0	0	0	0
Alternative D	0	0	80	237	416	179	13	0	0	0	0	0
Difference	0	0	17	-20	-15	-10	-1	0	0	0	0	0
Percent Difference ³			27.8%	-7.9%	-3.5%	-5.2%	-4.7%					
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	0	29	779	1213	554	34	0	0	0	0	0
Alternative D	0	0	36	732	1187	533	34	0	0	0	0	0
Difference	0	0	7	-46	-26	-21	0	0	0	0	0	0
Percent Difference			22.7%	-6.0%	-2.2%	-3.8%	-0.1%					
Above Normal (15%)												
No Action Alternative	0	0	1	68	316	88	19	0	0	0	0	0
Alternative D	0	0	13	30	268	67	14	0	0	0	0	0
Difference	0	0	13	-38	-48	-21	-4	0	0	0	0	0
Percent Difference				-55.5%	-15.1%	-23.9%	-23.0%					
Below Normal (17%)												
No Action Alternative	0	0	123	0	0	0	0	0	0	0	0	0
Alternative D	0	0	125	0	0	0	0	0	0	0	0	0
Difference	0	0	2	0	0	0	0	0	0	0	0	0
Percent Difference			1.5%									
Dry (22%)												
No Action Alternative	0	0	147	0	0	0	0	0	0	0	0	0
Alternative D	0	0	207	0	0	0	0	0	0	0	0	0
Difference	0	0	60	0	0	0	0	0	0	0	0	0
Percent Difference			40.8%									
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

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

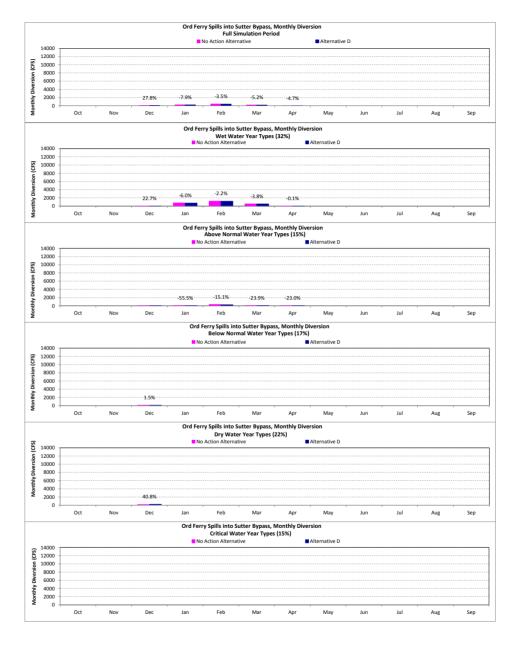


Figure SW-49-9b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

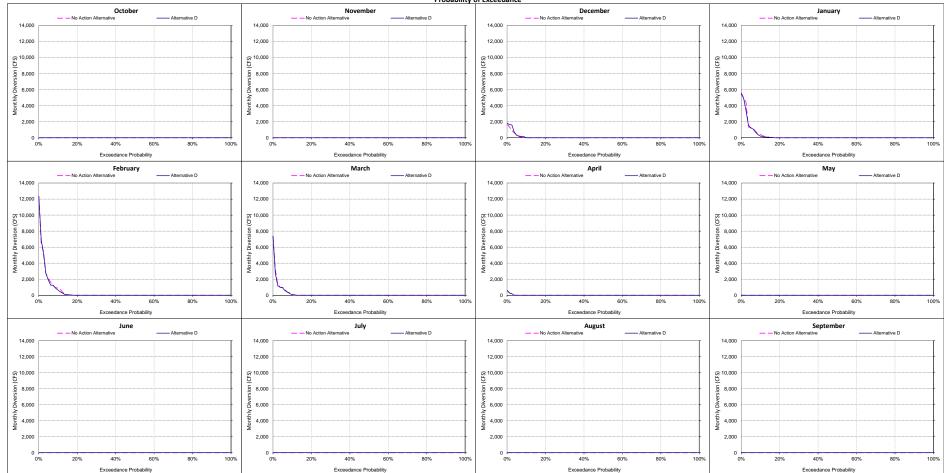


Table SW-49-9b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		October			
Percent	No Action Alternative	Alternative D	Absolute	Relative	
Probability Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%	
0.0%	(CFS)	(CFS)	0		
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	ő	0		
7.4%	0	ő	ō		
8.6%	Ö	ő	Ö		
9.9%	Ō	ō	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% 23.5%	0	0	0		
	0				
24.7% 25.9%	0	0	0		
25.9%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	o o	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% 53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	ő	0		
58.0%	0	0	0		
59.3%	ő	ő	ő		
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% 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	Ö	0		
85.2%	Ö	ő	Ö		
86.4%	0	0	0		
87.7%	Ö	ŏ	Ö		
88.9%	0	ō	0		
90.1%	0	ō	Ō		
91.4%	0	0	0		
92.6%	0	Ö	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		
400.00/					

Percent		November		
xceedance	No Action Alternative	Alternative D	Absolute Difference	Relative
Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	(CFS)	Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9% 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% 23.5%	0	0	0	
	0	0		
24.7% 25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	Ö	Ö	Ö	
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% 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%	Ō	Ö	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% 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%	Ö	Ö	Ö	
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% 84.0%	0	0	0	
85.2%	0	0	0	
85.2%	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	o o	ō	
97.5%	Ō	Ö	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

		December			
Percent	No Action Alternative	Alternative D	Absolute		
Exceedance			- Difference	Relative	
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	
(%)	(CFS)	(CFS)			
0.0%	1659	1820	161	9.7%	
1.2%	1365	1623	259	19.0%	
2.5%	907	1586	679	74.8%	
3.7%	617	723	106	17.2%	
4.9%	377	286	-91	-24.1%	
6.2%	150	218	68	45.3%	
7.4%	70	170	100	143.1%	
8.6%	6	159	153		
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	Ö		
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	ő		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
40.7%	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		
	0	0	0		
61.7%					
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%	Ö	Ō	0		
74.1%	0	0	ō		
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		
	0	0	0		
95.1%		0	0		
96.3%	0				
96.3% 97.5%	Ö	0	0		
96.3%					

Percent		ounum y		
	No Action Alternative	Alternative D	Absolute	Relative
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	
			(CFS)	Difference (%)
(%)	(CFS)	(CFS)		
0.0%	5633	5508	-126	-2.2%
1.2%	4956	4950	-6	-0.1%
2.5%	4426	3390	-1036	-23.4%
3.7%	1331	1595	264	19.8%
4.9%	1271	1220	-50	-3.9%
6.2%	1147	1084	-63	-5.5%
7.4%	807	704	-103	-12.8%
8.6%	492	399	-93	-18.8%
9.9%	408	206	-202	-49.5%
11.1%	255	107	-148	-58.2%
12.3%	135	86	-50	-36.7%
13.6%	131	73	-58	-44.4%
14.8%	29	50	21	73.9%
16.0%	25	33	8	30.5%
17.3%	21	0	-21	-100.0%
18.5%	0	0	0	
19.8%	0	ō	0	
21.0%	Ō	0	Ö	
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	Ö	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
35.6%				
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	Ō	Ö	
46.9%	0	0	0	
48.1%	0	0	0	
		0		
49.4%	0	0	0	
50.6%				
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	
	0	0	0	
65.4%	0	0	0	
66.7%				
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	Ō	Ö	
76.5%	0	0	ő	
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	Ō	Ö	
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	0.0	0.0	

Table SW-49-9b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

February Percent No Action Alternative Alternative D Absolute Difference (CFS) Exceedance Probability Relative Difference (%) Monthly Diversion Monthly Diversion (CFS) 12368 (CFS) 12366 6536 5493 2709 2095 1642 1220 957 888 763 391 0.0% 445 -427 6 -173 6.8% -7.8% 0.2% -8.3% -22.7% 6981 5066 2715 1922 1922 1269 1261 895 665 439 287 -373 -22.7% 3.4% -6.4% -25.2% -42.4% -26.6% -36.1% 19.3% -37.0% -26.6% 42 -62 -224 -324 -104 77 75 32 120 63 -43 12 50 41 -19 -11

100.0%

		March		Probal
Percent	No Action Alternative	Alternative D	Absolute	Relative
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%)
0.0%	(CFS) 7360	(CFS) 7360	0	0.0%
1.2%	7360 3196	7360 2802	-394	-12.3%
2.5%	1350	1201	-394	-12.3%
3.7%	994	994	- 149	0.0%
				-4.2%
4.9%	987	945	-42	
6.2%	737	586	-152	-20.6%
7.4%	383	425	41	10.8%
8.6%	322	220	-102	-31.6%
9.9%	91	89	-2	-2.6%
11.1%	49	49	0	-0.1%
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%	Ö	Ö	0	
29.6%	ō	0	ō	
30.9%	ŏ	Ö	Ö	
32.1%	ō	Ö	0	
33.3%	0	Ō	0	
34.6%	ō	Ö	0	
35.8%	Ō	Ō	0	
37.0%	ů.	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
40.7%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
	0			
45.7%		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%	Ö	Ö	0	
69.1%	ō	0	0	
70.4%	Ö	Ö	0	
71.6%	ō	0	0	
72.8%	Ö	Ö	0	
74.1%	ő	0	0	
75.3%	ő	o o	0	
76.5%	Ö	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		
84.0%	0	0	0	
	0		0	
85.2%		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%	Ö	Ö	0	
96.3%	ō	0	0	
97.5%	0	0	0	
98.8%	0	0	0	

		April		
Percent	No Action Alternative	Alternative D	Absolute	5.0
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	Relative Difference (%)
(%)	(CFS)	(CFS)	(CFS)	Dillerence (70)
0.0%	608	608	0	0.0%
1.2%	285	284	-1	-0.3%
2.5%	225	173	-52	-23.0%
3.7% 4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	ő	Ů.	ő	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6% 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% 25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	ő	
29.6%	0	0	0	
30.9%	Ō	0	ō	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8% 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% 48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	ő	
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% 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% 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% 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% 91.4%	0	0	0	
91.4%	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	0.0	0.0	

Percent				
Exceedance	No Action Alternative	Alternative D	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%
(%)	(CFS)	(CFS)	(CFS)	
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	Ö	Ō	Ō	
4.9%	ő	ő	0	
6.2%	0	ő	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% 17.3%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	ō	ō	ō	
21.0%	ŏ	ő	ő	
22.2%	0	0	0	
23.5%	0	0	0	
	0	0		
24.7%			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%	ō	Ō	ō	
35.8%	Ö	Ō	0	
37.0%	ŏ	ő	0	
38.3%	0	0	0	
39.5%	ő	ő	0	
40.7%	0	0	0	
40.7%				
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%	Ö	Ö	0	
54.3%	0	0	0	
55.6%	Ö	Ö	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%	Ö	Ō	Ō	
69.1%	Ō	0	0	
70.4%	ő	ő	0	
71.6%	0	0	0	
71.6%	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%	ō	ō	0	
85.2%	ő	ő	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	0.0	0.0	

May

Table SW-49-9b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent Absolute Difference (CFS) No Action Alternative Alternative D Relative Difference (%) Exceedance Probability Monthly Diversion Monthly Diversion (%) 0.0% 1.2% (CFS) (CFS) 1.2% 2.5% 3.7% 4.9% 6.2% 7.4% 8.6% 9.9% 11.11% 12.3% 13.6% 14.8% 17.3% 18.5% 19.8% 21.0% 22.2%
23.5%
24.7%
25.9%
27.2%
28.4%
29.6%
30.9%
32.1%
34.6%
37.0%
38.3%
34.6%
37.0%
40.7%
40.7%
42.0%
43.2%
42.4%
45.7% 46.9% 48.1% 49.4% 50.6% 51.9% 53.1% 54.3% 56.8% 60.5% 60.5% 61.7% 63.0% 64.2% 65.4% 66.7% 67.9% 69.1% 70.4% 71.6% 72.8% 72.8%
74.1%
75.3%
76.5%
77.8%
79.0%
80.2%
81.5%
82.7%
84.0%
85.2% 86.4% 87.7% 87.7%
88.9%
90.1%
91.4%
92.6%
93.8%
95.1%
96.3%
97.5%
98.8%
100.0% 0.0

		Probability of Exceedance July									
Percent Exceedance Probability	No Action Alternative Monthly Diversion	Alternative D Monthly Diversion	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Al					
0.0%	(CFS)	(CFS)	0		(%) 0.0%	(CFS					
1.2%	0	0	0		1.2%	0					
2.5%	0	0	0		2.5%	0					
3.7%	0	0	0		3.7%	0					
4.9%	0	0	0		4.9%	0					
6.2%	0	0	0		6.2%	0					
7.4% 8.6%	0	0	0		7.4% 8.6%	0					
9.9%	0	0	0		9.9%	0					
11.1%	0	0	0		11.1%	0					
12.3%	0	0	ō		12.3%	Ö					
13.6%	0	0	0		13.6%	0					
14.8%	0	0	0		14.8%	0					
16.0%	0	0	0		16.0%	0					
17.3%	0	0	0		17.3%	0					
18.5% 19.8%	0	0	0		18.5% 19.8%	0					
21.0%	0	0	0		21.0%	0					
22.2%	0	0	0		22.2%	0					
23.5%	0	0	0		23.5%	0					
24.7%	0	0	0		24.7%	0					
25.9%	0	0	0		25.9%	0					
27.2%	0	0	0		27.2%	0					
28.4%	0	0	0		28.4%	0					
29.6%	0	0	0		29.6%	0					
30.9% 32.1%	0	0	0		30.9% 32.1%	0					
33.3%	0	0	0		33.3%	0					
34.6%	0	0	0		34.6%	0					
35.8%	0	0	0		35.8%	0					
37.0%	0	0	ō		37.0%	Ö					
38.3%	0	0	0		38.3%	0					
39.5%	0	0	0		39.5%	0					
40.7%	0	0	0		40.7%	0					
42.0%	0	0	0		42.0%	0					
43.2% 44.4%	0	0	0		43.2% 44.4%	0					
45.7%	0	0	0		45.7%	0					
46.9%	0	0	0		46.9%	0					
48.1%	0	0	0		48.1%	0					
49.4%	0	0	0		49.4%	0					
50.6%	0	0	0		50.6%	0					
51.9%	0	0	0		51.9%	0					
53.1%	0	0	0		53.1%	0					
54.3%	0	0	0		54.3%	0					
55.6% 56.8%	0	0	0		55.6% 56.8%	0					
58.0%	0	0	0		58.0%	0					
59.3%	0	0	0		59.3%	0					
60.5%	0	0	0		60.5%	0					
61.7%	0	0	0		61.7%	0					
63.0%	0	0	0		63.0%	0					
64.2%	0	0	0		64.2%	0					
65.4%	0	0	0		65.4%	0					
66.7% 67.9%	0	0	0		66.7% 67.9%	0					
69.1%	0	0	0		69.1%	0					
70.4%	0	Ö	Ö		70.4%	ő					
71.6%	0	0	0		71.6%	0					
72.8%	0	0	0		72.8%	0					
74.1%	0	0	0		74.1%	0					
75.3%	0	0	0		75.3%	0					
76.5%	0	0	0		76.5%	0					
77.8% 79.0%	0	0	0		77.8% 79.0%	0					
79.0% 80.2%	0	0	0		79.0% 80.2%	0					
81.5%	0	0	0		81.5%	0					
82.7%	0	0	0		82.7%	0					
84.0%	0	0	0		84.0%	0					
85.2%	Ö	0	0		85.2%	0					
86.4%	0	0	0		86.4%	0					
87.7%	0	0	0		87.7%	0					
88.9%	0	0	0		88.9%	0					
90.1%	0	0	0		90.1%	0					
91.4%	0	0	0		91.4%	0					
92.6%	0	0	0		92.6%	0					
93.8% 95.1%	0	0	0		93.8% 95.1%	0					
96.3%	0	0	0		96.3%	0					
97.5%	0	0	0		97.5%	0					
98.8%	0	0	ō		98.8%	0					
100.0%	0.0	0.0	0.0		100.0%	0.0					

		August		
Percent Exceedance	No Action Alternative	Alternative D	Absolute	Relative
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
(%)	(CFS)	(CFS)	(CFS)	(///
0.0%	0	0	0	
1.2%	0	0	0	
2.5% 3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	ő	
7.4%	0	0	0	
8.6%	Ō	Ō	Ō	
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% 17.3%	0	0	0	
17.3%	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%	ő	0	ő	
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% 37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	ő	o o	ő	
43.2%	Ö	0	Ö	
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% 54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	Ö	o o	ő	
60.5%	0	0	Ō	
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% 70.4%	0	0	0	
	0	0	0	
71.6% 72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1% 91.4%	0	0	0	
91.4%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
	0	0	0	
96.3%				
96.3%	0	0	0	
96.3% 97.5% 98.8%		0	0	

Percent				
Exceedance	No Action Alternative	Alternative D	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
0.0%	(CFS)	(CFS)	(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% 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%	Ů.	0	Ö	
22.2%	0	0	0	
23.5%	Ö	0	0	
24.7%	0	0	0	
25.9%	0	Ō	0	
27.2%	0	0	0	
28.4%	Ō	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% 55.6%	0	0	0	
	0	0	0	
56.8% 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	Ō	ō	
65.4%	Ö	Ö	Ō	
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% 95.1%	0	0	0	
	0	0	0	
96.3% 97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	
.00.070	0.0	0.0	0.0	

September

Table SW-50-9a

Moulton Weir Spills into Sutter Bypass, Monthly Diversion Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	0	0	59	283	467	240	32	0	0	0	0	0
Alternative D	0	0	73	272	453	222	31	0	0	0	0	0
Difference	0	0	15	-11	-14	-18	-1	0	0	0	0	0
Percent Difference ³			24.8%	-4.0%	-3.0%	-7.5%	-2.8%					
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	0	42	829	1367	690	83	0	0	0	0	0
Alternative D	0	0	49	811	1336	651	83	0	0	0	0	0
Difference	0	0	8	-18	-31	-39	0	0	0	0	0	0
Percent Difference			18.3%	-2.1%	-2.3%	-5.7%	0.4%					
Above Normal (15%)												
No Action Alternative	0	0	7	139	229	147	38	0	0	0	0	0
Alternative D	0	1	20	99	195	109	31	0	0	0	0	0
Difference	0	1	13	-41	-34	-38	-7	0	0	0	0	0
Percent Difference				-29.2%	-14.7%	-26.0%	-17.9%					
Below Normal (17%)												
No Action Alternative	0	0	94	1	0	0	0	0	0	0	0	0
Alternative D	0	0	102	3	5	0	0	0	0	0	0	0
Difference	0	0	8	1	5	0	0	0	0	0	0	0
Percent Difference			8.6%	108.3%								
Dry (22%)												
No Action Alternative	0	0	130	0	0	0	0	0	0	0	0	0
Alternative D	0	0	170	0	0	0	0	0	0	0	0	0
Difference	0	0	40	0	0	0	0	0	0	0	0	0
Percent Difference			30.9%									
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

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

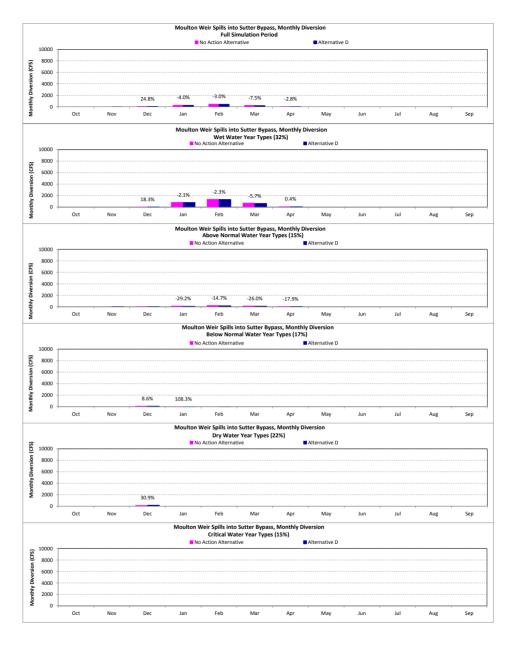


Figure SW-50-9b

Moulton Weir Spills into Sutter Bypass, Monthly Diversion

Probability of Exceedance

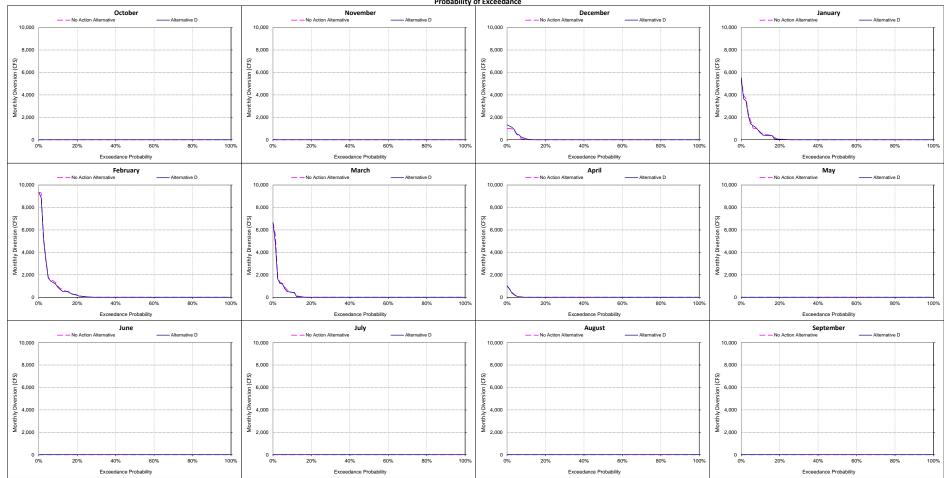


Table SW-50-9b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

October Percent Absolute Difference (CFS) No Action Alternative Alternative D Relative Difference (%) Exceedance Probability Monthly Diversion Monthly Diversion (CFS) (CFS) 100.0%

		November		FIUDADIII	ty of Exceedance	-
Percent Exceedance	No Action Alternative	Alternative D	Absolute	Relative	Percent Exceedance	١
Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	Difference (CFS)	Difference (%)	Probability (%)	_
0.0%	0	10	10		0.0%	_
1.2%	0	0	0		1.2%	
2.5%	0	0	0		2.5%	
3.7%	0	0	0		3.7%	
4.9%	0	0	0		4.9%	
6.2% 7.4%	0	0	0		6.2% 7.4%	
8.6%	0	0	0		8.6%	
9.9%	Ö	ő	ő		9.9%	
11.1%	0	0	0		11.1%	
12.3%	0	0	0		12.3%	
13.6%	0	0	0		13.6%	
14.8%	0	0	0		14.8%	
16.0% 17.3%	0	0	0		16.0% 17.3%	
18.5%	0	0	0		18.5%	
19.8%	ő	0	0		19.8%	
21.0%	Ö	Ö	0		21.0%	
22.2%	0	0	0		22.2%	
23.5%	0	0	0		23.5%	
24.7%	0	0	0		24.7%	
25.9% 27.2%	0	0	0		25.9%	
28.4%	0	0	0		27.2% 28.4%	
29.6%	0	0	0		29.6%	
30.9%	ő	ő	Ö		30.9%	
32.1%	0	0	0		32.1%	
33.3%	0	0	0		33.3%	
34.6%	0	0	0		34.6%	
35.8% 37.0%	0	0	0		35.8% 37.0%	
38.3%	0	0	0		38.3%	
39.5%	0	0	0		39.5%	
40.7%	Ö	0	0		40.7%	
42.0%	0	0	0		42.0%	
43.2%	0	0	0		43.2%	
44.4%	0	0	0		44.4%	
45.7%	0	0	0		45.7%	
46.9% 48.1%	0	0	0		46.9% 48.1%	
49.4%	0	0	0		49.4%	
50.6%	ő	ő	Ö		50.6%	
51.9%	0	0	0		51.9%	
53.1%	0	0	0		53.1%	
54.3%	0	0	0		54.3%	
55.6% 56.8%	0	0	0		55.6% 56.8%	
58.0%	0	0	0		58.0%	
59.3%	0	0	0		59.3%	
60.5%	Ö	0	0		60.5%	
61.7%	0	0	0		61.7%	
63.0%	0	0	0		63.0%	
64.2%	0	0	0		64.2%	
65.4%	0	0	0		65.4%	
66.7% 67.9%	0	0	0		66.7% 67.9%	
69.1%	0	0	0		69.1%	
70.4%	ő	ő	Ö		70.4%	
71.6%	0	0	0		71.6%	
72.8%	0	0	0		72.8%	
74.1%	0	0	0		74.1%	
75.3%	0	0	0		75.3%	
76.5% 77.8%	0	0	0		76.5% 77.8%	
79.0%	0	0	0		79.0%	
80.2%	0	0	0		80.2%	
81.5%	ō	Ō	0		81.5%	
82.7%	0	0	0		82.7%	
84.0%	0	0	0		84.0%	
85.2%	0	0	0		85.2%	
86.4%	0	0	0		86.4%	
87.7%	0	0	0		87.7% 88.9%	
88.9% 90.1%	0	0	0		88.9% 90.1%	
91.4%	0	0	0		91.4%	
92.6%	ő	ő	0		92.6%	
93.8%	0	0	0		93.8%	
95.1%	0	0	0		95.1%	
96.3%	0	0	0		96.3%	
97.5% 98.8%	0	0	0		97.5% 98.8%	
98.8%	0.0	0.0	0.0		98.8% 100.0%	
100.0%	0.0	0.0	0.0		100.0%	

Percent	No Action Alternative	December Alternative D	Absolute	5.0	
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Relative Difference (%)	
(%)	(CFS)	(CFS)			
0.0%	1010	1334	324	32.1% 20.7%	
1.2%	1009 969	1217 1102	208 133	13.7%	
3.7%	839	920	81	9.7%	
4.9%	494	514	20	4.1%	
6.2%	351	436	86	24.4%	
7.4%	74	230	156	210.5%	
8.6%	53	144	92	175.1%	
9.9%	28	77	49	177.1%	
11.1%	0	36	36		
12.3%	ō o	10	10		
13.6%	Ō	0	0		
14.8%	0	Ó	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%	ő	Ö	ő		
27.2%	0	0	0		
28.4%	ő	Ö	ő		
29.6%	Ö	0	0		
30.9%	ő	Ö	ő		
32.1%	ő	ő	ő		
33.3%	Ō	0	0		
34.6%	ő	ő	ő		
35.8%	0	0	0		
37.0%	ō o	Ö	ō		
38.3%	Ō	0	0		
39.5%	ō	ō	ō		
40.7%	0	0	0		
42.0%	ō	Ō	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		

Percent Exceedance	No Action Alternative	Alternative D	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference (CFS)	Difference (%)
(%)	(CFS)	(CFS)		
0.0%	5535	5511	-25	-0.4%
1.2%	3947	3653	-294	-7.5%
2.5%	3653	3462	-190	-5.2%
3.7%	2312	2111	-201	-8.7%
4.9%	1658	1422	-236	-14.2%
6.2%	1025	1256	231	22.5%
7.4%	1003	1127	124	12.3%
8.6%	890 594	899	9 87	1.0%
9.9%	594 571	681 422	-149	14.7% -26.0%
11.1%	5/1 446	422 396	-149 -50	-26.0% -11.2%
13.6%	446	380		-11.2%
13.6%	444 414	380 379	-64 -36	-14.4% -8.6%
	309	379	-36	
16.0% 17.3%	213	65	-148	21.1%
18.5%	77	48	-29	-37.4%
19.8%	53	45	-29	-14.7%
21.0%	47	38	-9	-18.7%
22.2%	26	29	2	8.1%
23.5%	20 18	29	3	14.2%
				14.2%
24.7%	10	0	-10 0	
25.9%				
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	
95.1% 96.3%	0	0	0	
95.1% 96.3% 97.5%	0 0 0	0 0 0	0 0 0	
95.1% 96.3%	0	0	0	

January

Table SW-50-9b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

February Percent No Action Alternative Alternative D Absolute Difference (CFS) Exceedance Probability Relative Difference (%) Monthly Diversion Monthly Diversion (%) 0.0% (CFS) 9355 (CFS) 9340 -0.2% 1.2% 2.5% 4.9% 6.2% 7.4% 8.6% 9.9% 9.1.1% 12.3% 14.8% 16.0% 17.3% 19.8% 19.8% 9304 5144 8874 5282 3344 1734 1437 -431 138 -4.6% 2.7% 0.6% -1.0% -7.8% -11.0% -11.0% -11.0% -21.9% -21.9% -7.6% -1.1% -0.7% -0.7% -22.3% -18.8% -17.2% 3323 1751 1559 1482 1317 976 806 682 21 -122 1318 1200 880 702 533 -164 -117 -96 -104 -149 -44 5 -83 -2 11 -53 -22 -17 27 574 510 466 290 531 516 383 288 249 183 96 84 66 239 236 118 101 38 14 0 21.0% 22.2% 23.5% 24.7% 25.9% 27.2% 28.4% 29.6% 30.9% 32.1% 33.3% 34.6% 35.8% 39.5% 39.5% 40,7%, 42,0%, 43,2%, 44,4%, 44,4%, 45,7%, 48,1%, 50,6%, 51,9%, 51,9%, 56,6%, 56,6%, 66,7%, 67,7%, 69,1%, 70,4%, 71,6%, 77 74.1%, 75.3% 76.5% 77.8% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4% 99.1% 91.4% 91.4% 92.6% 93.8% 95.5% 96.3% 97.5% 98.8%

100.0%

		March		Probab
Percent exceedance	No Action Alternative	Alternative D	Absolute Difference	Relative
Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	(CFS)	Difference (%)
0.0%	6639	6642	2	0.0%
1.2%	5565	4850	-715	-12.8%
2.5%	1750	1644	-106	-6.1%
3.7%	1332	1217	-115	-8.6%
4.9%	1238	1189	-49	-4.0%
6.2%	899	737	-161	-18.0%
7.4%	664	493	-170	-25.7%
8.6%	469	469	0	0.1%
9.9%	443	440	-3	-0.7%
11.1%	412	411	-1	-0.2%
12.3%	124	47	-77	-62.0%
13.6%	87	32	-55	-63.3%
14.8% 16.0%	47 34	29 17	-18 -18	-37.9%
17.3%	1	8	7	-52.0%
18.5%	1	1	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%	Ö	ő	ő	
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% 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%	Ö	ő	Ö	
49.4%	0	0	0	
50.6%	Ō	Ö	Ō	
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% 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	o o	0	
76.5%	Ö	ő	ő	
77.8%	0	Ō	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% 100.0%	0	0	0	
	0.0	0.0	0.0	

ceedance		April		
Percent	No Action Alternative	Alternative D	Absolute	Relative
Exceedance Probability	Monthly Diversion (CFS)	Monthly Diversion (CFS)	Difference (CFS)	Difference (%)
0.0%	1015	1016	1	0.1%
1.2%	737	737	0	0.0%
2.5%	459	377	-82	-17.9%
3.7%	227	234	7	3.2%
4.9%	96	96	0	-0.1%
6.2%	40	40	0	0.1%
7.4%	36	36	0	0.3%
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6% 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%	ő	ŏ	ő	
22.2%	0	0	0	
23.5%	Ö	Ö	Ō	
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% 44.4%	0			
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	ő	ő	ő	
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% 65.4%	0	0	0	
	0	0	0	
66.7% 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%	o o	ő	0	
75.3%	ő	ő	0	
76.5%	0	Ö	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% 95.1%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	
100.070	0.0	0.0	0.0	

Percent Exceedance	No Action Alternative	Alternative D	Absolute	Relative	
Probability	Monthly Diversion	Monthly Diversion	- Difference	Relative Difference (%	
(%)	(CFS)	(CFS)	(CFS)		
0.0%	0	0	0		
1.2%	Ö	ō	Ö		
2.5%	0	0	0		
3.7%	Ö	Ō	Ō		
4.9%	0	0	0		
6.2%	ő	ő	Ö		
7.4%	0	0	ō		
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%	Ö	Ö	Ō		
29.6%	0	0	0		
30.9%	Ö	ő	Ö		
32.1%	0	0	0		
33.3%	0	Ō	0		
34.6%	0	0	ő		
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	Ō	Ö		
58.0%	0	0	0		
59.3%	o o	ő	0		
60.5%	0	0	0		
61.7%	0	0	0		
01.7%					
63.0% 64.2%	0	0	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%	Ö	Ö	Ō		
76.5%	Ö	Ō	0		
77.8%	0	0	0		
79.0%	0	0	ő		
80.2%	0	Ö	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%	ő	ő	Ö		
96.3%	0	0	ő		
97.5%	0	ő	0		
98.8%	0	0	0		

Table SW-50-9b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

September

August Percent Percent Percent Percent No Action Alternative Alternative D Absolute Relative Relative Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (%) 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 1.2% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 7.4% 8.6% 8.6% 8.6% 9.9% 11.1% 12.3% 11.1% 12.3% 0 11.1% 0 0 13.6% 13.6% 13.6% 13.6% 0 Ω Ω 0 16.0% 16.0% 16.0% 16.0% 17.3% 18.5% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 21.0% 21.0% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 32.1% 33.3% 33.3% 33.3% 33.3% 34.6% 34.6% 34.6% 34.6% 35.8% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 48.1% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 50.6% 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 58.0% 58.0% 58.0% 0 58.0% 0 60.5% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 72.8% 71.6% 71.6% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-51-9a Colusa Weir Spills into Sutter Bypass, Monthly Diversion Long-term Average and Average by Water Year Type

					М	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	7	126	1329	3917	5723	3523	1174	68	19	0	0	0
Alternative D	8	126	1420	3750	5415	3292	1172	57	18	0	0	0
Difference	1	-1	91	-167	-308	-231	-2	-11	-1	0	0	0
Percent Difference ³			6.9%	-4.3%	-5.4%	-6.6%	-0.2%					
				Water Y	ear Types	!						
Wet (32%)												
No Action Alternative	0	35	1292	9956	14022	8607	3195	128	61	0	0	0
Alternative D	0	60	1417	9851	13562	8282	3217	103	56	0	0	0
Difference	0	25	126	-105	-460	-324	22	-25	-5	0	0	0
Percent Difference			9.7%	-1.1%	-3.3%	-3.8%	0.7%					
Above Normal (15%)												
No Action Alternative	0	589	1240	3961	5888	4959	997	187	0	0	0	0
Alternative D	0	537	1166	3305	5491	4357	960	169	0	0	0	0
Difference	0	-51	-74	-655	-397	-602	-37	-18	0	0	0	0
Percent Difference		-8.7%	-6.0%	-16.5%	-6.7%	-12.1%	-3.7%	-9.7%				
Below Normal (17%)												
No Action Alternative	40	75	1613	716	1433	83	89	0	0	0	0	0
Alternative D	47	75	1744	644	1125	45	69	0	0	0	0	0
Difference	7	0	131	-72	-308	-38	-20	0	0	0	0	0
Percent Difference	18.1%	-0.3%	8.2%	-10.0%	-21.5%	-45.9%	-22.9%					
Dry (22%)												
No Action Alternative	0	75	2090	256	768	245	0	0	0	0	0	0
Alternative D	0	69	2270	147	539	93	0	0	0	0	0	0
Difference	0	-5	180	-109	-230	-152	0	0	0	0	0	0
Percent Difference		-7.0%	8.6%	-42.5%	-29.9%	-62.0%						
Critical (15%)												
No Action Alternative	0	0	29	14	13	0	0	0	0	0	0	0
Alternative D	0	0	29	2	8	0	0	0	0	0	0	0
Difference	0	0	0	-12	-5	0	0	0	0	0	0	0
Percent Difference			0.3%	-84.0%	-38.3%							

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

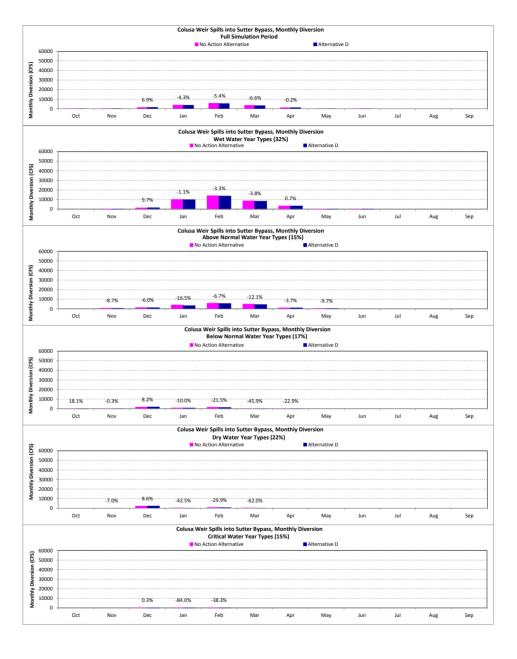


Figure SW-51-9b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

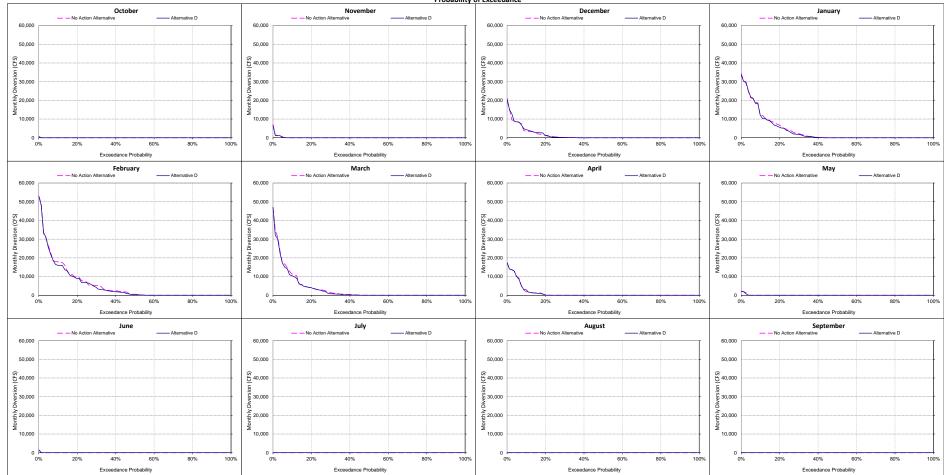


Table SW-51-9b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

October November December Percent Percent Percent Absolute Difference Absolute Difference No Action Alternative Alternative D No Action Alternative Alternative D Absolute No Action Alternative Alternative D Relative Exceedance Probability Relative Exceedance Relative Difference Monthly Diversion Monthly Diversion Monthly Diversion Monthly Diversion Monthly Diversion Monthly Diversion Probability Difference (%) Difference (%) Difference (%) Probability (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 18.1% -8.7% 1242 6.3% 0.0% 559 660 101 6450 -615 19690 20932 1.2% 1.2% 1.2% 1342 1248 -94 -7.0% 15339 14933 -406 -2.6% 2.5% 2.5% 1052 1189 13.1% 2.5% 9438 12679 3241 34.3% 3.7% 3.7% 3.7% 585 1049 464 79.2% 9260 8785 -474 -5.1% 4.9% 4.9% 318 346 28 8.7% 4.9% 8690 8524 -167 -1.9% 6.2% 6.2% 6.2% 0 27 8205 8331 126 1.5% 7.4% 8.6% 9.9% 7.4% 8.6% 7.4% 8.6% 7529 -641 980 931 -8.5% 3842 3410 4823 25.5% 11.1% 12.3% 11.1% 12.3% 11.1% 12.3% 0 3381 3996 3582 616 219 18.2% 6.5% 13.6% 14.8% 13.6% 14.8% 13.6% -2.9% -1.5% -95 -40 Ω Ω 3262 3166 16.0% 16.0% 16.0% 1997 2701 704 35.2% 18.5% 18.5% 18.5% 58.4% 1632 2585 953 19.8% 21.0% 19.8% 19.8% 1246 1217 -119 377 -8.7% 44.9% 840 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 521 340 -206 -382 -28.3% -52.9% 722 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 328 324 -26.2% -4.4% 444 -116 -15 338 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% -9.2% 45.0% -25 75 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 21.7% 65.1% 32.1% 32.1% 32.1% -1.8% 33.3% 34.6% 33.3% 33.3% -88.1% 34.6% 34.6% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 49.4% 49.4% 50.6% 50.6% 50.6% 51.9% 53.1% 54.3% 51.9% 53.1% 54.3% 51.9% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 56.8% 58.0% 58.0% 58.0% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 72.8% 71.6% 72.8% 71.6% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 91.4% 92.6% 91.4% 92.6% 91.4% 91.4% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 96.3% 97.5% 96.3% 97.5% 98.8% 96.3% 97.5% Ω Ω 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0

Percent	No Action Alternative	January Alternative D	Absolute		
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	Relative Difference (%	
(%)	(CFS)	(CFS)	(CFS)	Dillerence (A	
0.0%	34396	33671	-726	-2.1%	
1.2%	30467	30154	-313	-1.0%	
2.5%	29120	29730	610	2.1%	
3.7%	24936	24930	-6	0.0%	
4.9%	21295	21884	589	2.8%	
6.2%	20927	21131	204	1.0%	
7.4%	19015	18405	-610	-3.2%	
8.6%	18640	18317	-323	-1.7% 0.5%	
9.9%	11980	12042	62		
11.1%	11956	10247	-1710	-14.3%	
12.3%	10544	10217	-328	-3.1%	
13.6%	10025	9456	-569	-5.7%	
14.8%	9226	9015	-211	-2.3%	
16.0%	8577	7892	-685	-8.0%	
17.3%	8270	6648	-1621	-19.6%	
18.5%	7295	6270	-1025	-14.1%	
19.8%	6835	5663	-1172	-17.1%	
21.0%	5815	5156	-659	-11.3%	
22.2%	4988	5106	118	2.4%	
23.5%	4592	3996	-597	-13.0%	
	4592 3793	3530	-263	-6.9%	
24.7%					
25.9%	3788	2734	-1054	-27.8%	
27.2%	2797	2045	-752	-26.9%	
28.4%	2342	1945	-396	-16.9%	
29.6%	2254	1685	-569	-25.3%	
30.9%	1865	1589	-276	-14.8%	
32.1%	1582	1111	-471	-29.8%	
33.3%	1034	709	-324	-31.4%	
34.6%	821	622	-199	-24.2%	
35.8%	691	601	-90	-13.0%	
37.0%	493	536	43	8.7%	
38.3%	283	182	-101	-35.7%	
	263		-101		
39.5%		151		-38.3%	
40.7%	122	92	-30		
42.0%	97	28	-69		
43.2%	75	0	-75		
44.4%	10	0	-10		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	Ö	o o	0		
49.4%	0	0	0		
50.6%	0	0	0		
	0	0	0		
51.9% 53.1%	0				
54.3%		0	0		
	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%	Ō	0	0		
63.0%	0	0	0		
64.2%	0	Ö	0		
65.4%	0	0	0		
	0	0	0		
66.7%					
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%	Ō	Ō	Ö		
76.5%	ő	o o	ő		
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%	Ö	Ö	ő		
88.9%	0	0	0		
00.9%	0	0	0		
90.1%					
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
	0	0	0		
96.3%					
		Ō	0		
96.3% 97.5% 98.8%	0	0	0		

Table SW-51-9b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

February March Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative D Absolute No Action Alternative Alternative D Absolute No Action Alternative Alternative D No Action Alternative Alternative D Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) 17385 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 53046 53040 0.0% 46969 46973 0.0% 17422 0.2% -217 -9.7% 1.2% 49189 48096 -1093 -2.2% 1.2% 34582 32042 -2541 -7.3% 1.2% 13969 13981 12 0.1% 1.2% 1860 1861 0.0% 2.5% 33038 33483 1.3% 2.5% 31132 3018 -951 -3.1% 2.5% 13675 13681 0.0% 2.5% 1459 807 -651 -44.7% 3.7% 3.7% 3.7% 30755 31177 422 1.4% 3.7% 23411 22364 -1047 -4.5% 12966 12970 0.0% 0 0 4.9% 26703 25697 -1007 -3.8% 4.9% 17043 17021 -22 -0.1% 4.9% 10049 10048 0.0% 4.9% 6.2% 6.2% 6.2% 6.2% 22915 21957 -958 -4.2% 16703 14873 -1830 -11.0% 9208 8578 -630 -6.8% 0 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 18664 18720 0.3% 7.4% 14755 14153 -602 -4.1% 7.4% 5026 5028 0.0% 118 8.6% 8.6% 8.6% 17950 16544 -1406 -7.8% 12737 10987 -1750 -13.7% 2869 2987 4.1% 9.9% -10.6% 52.4% -932 -8.2% 11.1% 12.3% 17625 15936 -1689 -9.6% 11.1% 10899 9869 -1030 -9.5% 11.1% 1857 1739 -118 -6.3% 0.6% 0 0 13.6% 13.6% 13.6% 13.6% 15972 13600 -2372 -14.9% 6055 6052 -3 -185 0.0% 1283 1243 -40 -35 -3.2% 0 Ω 16.0% 16.0% 16.0% 16.0% 11444 10802 -642 -5.6% 5270 4767 -503 -9.6% 1251 1035 -217 -17.3% 18.5% 18.5% 6 0.1% 18.5% 18.5% 9984 9695 -289 -2.9% 4280 4285 659 657 -2 -0.3% 0 19.8% 21.0% 9724 9497 -702 -7.2% -5.7% 19.8% 4180 4142 19.8% 21.0% -21.5% 19.8% 21.0% 8958 -539 3669 3590 -79 -2.2% 48 22.2% 23.5% 7924 7401 -14.5% 22.2% 23.5% 3346 3273 -2.2% -3.9% 22.2% 23.5% 22.2% 23.5% -116 6741 -8.9% -660 3001 2885 0 24.7% 25.9% 7267 5435 -605 1097 -8.3% 20.2% 24.7% 25.9% 2750 2191 -6.0% -20.6% 24.7% 25.9% 24.7% 25.9% 6663 6532 2925 2758 -568 27.2% 28.4% 6.8% 27.2% 28.4% 27.2% 28.4% 5428 5797 369 2475 2087 -388 -15.7% 27.2% 5342 1103 -758 -40.7% 28.4% 4992 -350 1861 29.6% 30.9% 5275 5208 -884 -1834 -16.8% -35.2% 29.6% 30.9% -50.0% -33.0% 29.6% 30.9% 29.6% 30.9% 1574 787 763 3374 1139 -376 32.1% 4943 2977 -1966 -39.8% 32.1% 1074 662 -411 -38.3% 32.1% 32.1% 33.3% 3667 -787 -21.5% 33.3% 594 -323 -35.2% 33.3% 33.3% 34.6% 2783 2778 -0.2% 34.6% 654 592 -61 -9.4% 34.6% 34.6% 35.8% -252 -9.4% 35.8% -41.0% 35.8% 35.8% 2667 -13.5% 571 254 37.0% 2603 2253 -35037.0% -318 -55.6% 37.0% 37.0% 38.3% -18.6% 38.3% -54.8% 38.3% 38.3% 39.5% 2311 1865 -446 -19.3% 39.5% 421 170 -251 -59.6% 39.5% 39.5% -20.7% -13.3% 40.7% 1829 -478 40.7% 400 158 -60.6% 40.7% 40.7% 42.0% 1990 1726 -264 42.0% 369 121 -248 -67.1% 42.0% 42.0% 43.2% 1940 1558 -381 -19.7% 43.2% 202 43 -158 -78.5% 43.2% 43.2% 44.4% 1906 1430 -476 -25.0% 44.4% 29 -167 -85.2% 44.4% 44.4% -859 -287 45.7% 45.7% 45.7% 1681 822 -51.1% 48 -48 45.7% 46.9% 983 696 -29.2% 46.9% 46.9% 46.9% 48.1% 49.4% 553 457 -95 -17.2% 48.1% 48.1% 48.1% 534 415 -119 -22.2% 49.4% 49.4% 49.4% 50.6% 50.6% 50.6% 498 394 -104 -20.8% 50.6% -5.2% 51.9% 290 160 275 51.9% 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% qq -62 Ω 55.6% 56.8% 55.6% 56.8% 55.6% 0 0 55.6% 58.0% 58.0% 58.0% 0 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 0 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-51-9b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

August

Percent Percent Percent Absolute Difference Absolute Difference No Action Alternative Alternative D No Action Alternative Alternative D Absolute No Action Alternative Alternative D Relative Exceedance Probability Relative Exceedance Relative Difference Monthly Diversion Monthly Diversion Monthly Diversion Monthly Diversion Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Probability (CFS) (CFS) (CFS) (%) 0.0% (CFS) 1574 0.0% (%) 0.0% (CFS) (CFS) (CFS) (CFS) 1451 -122 -7.8% 1.2% 1.2% 1.2% 2.5% 2.5% 2.5% 3.7% 3.7% 3.7% 4.9% 4.9% 4.9% 6.2% 6.2% 6.2% 7.4% 8.6% 9.9% 7.4% 8.6% 7.4% 8.6% 11.1% 12.3% 11.1% 12.3% 11.1% 12.3% 13.6% 14.8% 13.6% 14.8% 13.6% 0 Ω 16.0% 16.0% 16.0% 18.5% 18.5% 18.5% 19.8% 21.0% 19.8% 19.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 32.1% 32.1% 32.1% 33.3% 34.6% 33.3% 33.3% 34.6% 34.6% 35.8% 35.8% 35.8% 37.0% 37.0% 37.0% 38.3% 38.3% 38.3% 39.5% 39.5% 39.5% 40.7% 40.7% 40.7% 42.0% 42.0% 42.0% 43.2% 43.2% 43.2% 44.4% 44.4% 44.4% 45.7% 45.7% 45.7% 46.9% 46.9% 46.9% 48.1% 49.4% 48.1% 48.1% 49.4% 49.4% 50.6% 50.6% 50.6% 51.9% 53.1% 54.3% 51.9% 53.1% 54.3% 51.9% 53.1% 55.6% 56.8% 55.6% 56.8% 55.6% 56.8% 58.0% 58.0% 58.0% 60.5% 60.5% 60.5% 61.7% 63.0% 63.0% 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 72.8% 71.6% 72.8% 71.6% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 75.3% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 91.4% 92.6% 91.4% 92.6% 91.4% 92.6% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 96.3% 97.5% 96.3% 97.5% 98.8% 96.3% 97.5% 98.8% Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

		September		
Percent	No Action Alternative	Alternative D	Absolute	
Exceedance Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	Ö	Ō	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% 25.9%	0	0	0	
25.9%	0	0	0	
27.2% 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	ő	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	ů	ů.	ő	
40.7%	0	0	0	
42.0%	ō	ō	ō	
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% 67.9%	0	0		
07.9%	0	0	0	
69.1% 70.4%	0	0	0	
71.6%	0	0	0	
71.6%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	ő	0	
77.8%	0	0	0	
79.0%	0	0	ő	
80.2%	0	0	0	
81.5%	0	0	ő	
82.7%	0	Ö	0	
84.0%	0	ő	ő	
85.2%	Ö	Ō	Ō	
86.4%	0	ō	0	
87.7%	Ö	Ō	Ō	
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	0.0	0.0	

Table SW-52-9a
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

					М	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period ¹												
No Action Alternative	8	147	1010	2248	3231	2125	897	89	45	0	0	0
Alternative D	10	134	985	2139	3049	1948	868	79	45	0	0	0
Difference	1	-13	-25	-109	-182	-177	-29	-10	0	0	0	0
Percent Difference ³		-8.6%	-2.5%	-4.8%	-5.6%	-8.3%	-3.2%	-11.1%				
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	98	1109	5277	7193	4834	2396	169	143	0	0	0
Alternative D	0	91	1109	5196	6954	4591	2348	145	142	0	0	0
Difference	0	-7	-1	-82	-239	-243	-48	-25	-1	0	0	0
Percent Difference			-0.1%	-1.5%	-3.3%	-5.0%	-2.0%					
Above Normal (15%)												
No Action Alternative	0	511	1096	2726	3647	3200	767	241	0	0	0	0
Alternative D	3	436	975	2393	3436	2878	716	227	0	0	0	0
Difference	3	-75	-120	-333	-211	-322	-51	-14	0	0	0	0
Percent Difference		-14.7%	-11.0%	-12.2%	-5.8%	-10.1%	-6.7%	-5.8%				
Below Normal (17%)												
No Action Alternative	49	101	1231	613	1293	265	147	0	0	0	0	0
Alternative D	54	100	1250	559	1096	182	110	0	0	0	0	0
Difference	5	-1	19	-53	-197	-83	-37	0	0	0	0	0
Percent Difference	10.5%	-1.3%	1.5%	-8.7%	-15.2%	-31.3%	-25.3%					
Dry (22%)												
No Action Alternative	0	110	1255	278	823	356	0	0	0	0	0	0
Alternative D	0	113	1209	178	642	183	0	0	0	0	0	0
Difference	0	4	-46	-100	-181	-172	0	0	0	0	0	0
Percent Difference		3.3%	-3.7%	-36.0%	-22.0%	-48.5%						
Critical (15%)												
No Action Alternative	0	0	86	67	101	3	0	0	0	0	0	0
Alternative D	0	0	84	47	87	0	0	0	0	0	0	0
Difference	0	0	-3	-20	-14	-3	0	0	0	0	0	0
Percent Difference			-3.1%	-30.0%	-14 1%	-100.0%						

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

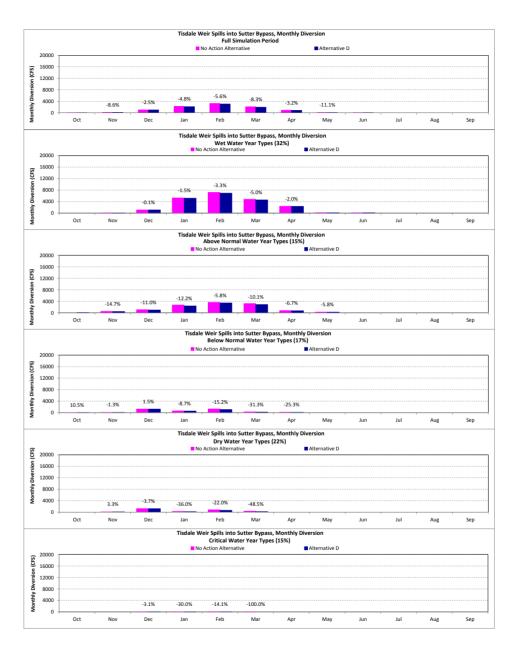


Figure SW-52-9b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

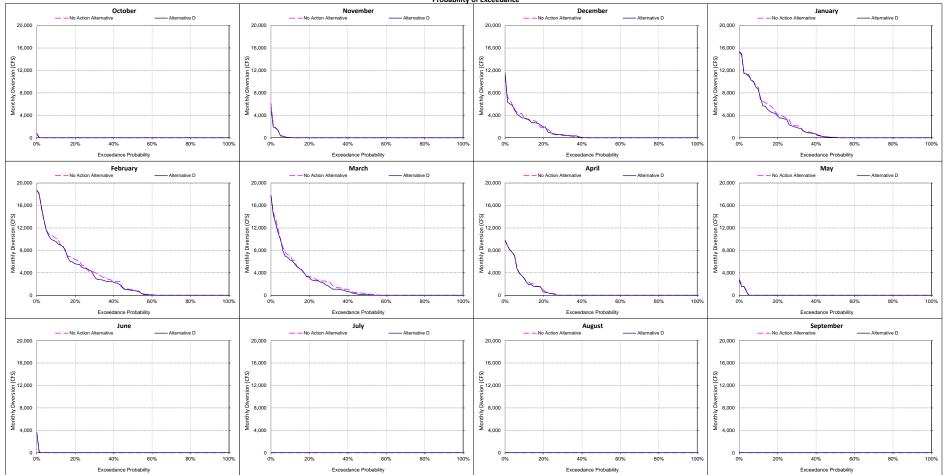


Table SW-52-9b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedanc

December

November

Octobe

January Percent Percent Percent Percent No Action Alternative Alternative D Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Monthly Diversion Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) 0.0% (%) 0.0% (CFS) 11568 0.0% (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) (CFS) 0.0% 685 72 10.5% 6110 5180 -930 -15.2% 10781 788 7.3% 109 0.7% 1.2% 31 31 1.2% 2168 1907 -261 -12.0% 1.2% 7215 6347 -868 -12.0% 1.2% 14749 14959 211 1.4% 2.5% 2.5% 1645 1775 130 7.9% 2.5% 6852 6037 -814 -11.9% 2.5% 11425 11420 0.0% 3.7% 3.7% 3.7% 3.7% 1333 1332 -0.1% 5913 5741 -172 -2.9% 11244 11362 118 1.0% 4.9% 4.9% 334 333 -0.2% 4.9% 4807 5118 311 6.5% 4.9% 10953 11271 318 2.9% 6.2% 6.2% 6.2% 6.2% 314 268 -47 -14.8% 4589 4197 -392 -8.5% 10456 10283 -173 -1.7% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 7.4% 118 53.5% 7.4% 4335 -440 -10.1% 10022 10005 -0.2% 8.6% 8.6% 8.6% 32 65 33 102.7% 4324 3552 -772 -17.9% 9259 9045 -214 -2.3% 9.9% 1.4% 8630 4.3% 11.1% 12.3% 11.1% 0 11.1% 15 -15 -100.0% 3452 3337 -115 -3.3% 6571 7018 447 6.8% 13.6% 13.6% 13.6% 13.6% 14.8% -571 -1113 Ω Ω -4 3069 2764 -305 -9.9% 6193 5621 -9.2% -390 16.0% 16.0% 16.0% 0 2933 2644 -290 -9.9% 16.0% 17.3% 5743 4661 -1082 -18.8% 4458 18.5% 18.5% 18.5% 18.5% -377 -249 -428 0 0 1860 2251 391 118 21.0% 4727 4350 -8.0% 19.8% 21.0% 19.8% 19.8% 21.0% 19.8% 21.0% 3983 3524 21.0% 1607 1899 292 18.2% 3952 -10.8% 22.2% 23.5% 22.2% 23.5% 22.2% 23.5% -34.5% -23.5% 22.2% 23.5% 3488 -393 -10 1% 1138 871 -267 3723 3367 -356 -9.6% 24.7% 25.9% 24.7% 25.9% 24.7% 25.9% 24.2% 17.4% 24.7% 25.9% 628 537 152 94 3397 3304 -93 -947 -2.7% 631 -29.3% 3236 2289 27.2% 28.4% 27.2% 28.4% 27.2% 28.4% 27.2% 534 65 71 12 1% 2265 2129 -136 -6.0% 28.4% 501 573 14.3% 2209 -246 -11.1% 1963 29.6% 30.9% 29.6% 30.9% 29.6% 30.9% 39.4% 11.5% 29.6% 30.9% 2125 2108 1879 1706 162 46 -246 -403 -19.1% 32.1% 32.1% 32.1% 398 438 41 10.2% 32.1% 1700 1703 0.2% 33.3% 33.3% 33.3% 330 70 21.2% 33.3% 1161 1240 80 6.9% 34.6% 34.6% 34.6% 333 55 19.9% 34.6% 1085 983 -102 -9.4% 35.8% 35.8% 35.8% 26.9% 35.8% -187 -17.5% 1066 879 317 37.0% -138 37.0% 37.0% 37.0% 210 106 50.4% 977 839 -14.2% 38.3% 38.3% 38.3% 118.7% 38.3% 39.5% 39.5% 39.5% 39.5% 824 736 -88 -10.7% 40.7% 40.7% 40.7% 40.7% -98 -128 -20.3% 42.0% 42.0% 42.0% -13 42.0% 451 323 -28.4% 43.2% 43.2% 43.2% 43.2% 319 237 -81 -25.5% 44.4% 44.4% 44.4% 44.4% 174 -29 -16.9% 45.7% 45.7% 45.7% 45.7% 103 143 40 46.9% 46.9% 46.9% 46.9% 98 48.1% 49.4% 48.1% 48.1% 0 48.1% 96 61 -35 49.4% 49.4% 49.4% -18 50.6% 50.6% 50.6% 50.6% 42 51.9% 51.9% 51.9% 53.1% 35 12 53.1% 53.1% 53.1% -12 55.6% 56.8% 55.6% 56.8% 55.6% 0 55.6% 0 58.0% 58.0% 58.0% 0 0 58.0% 0 0 60.5% 60.5% 60.5% 60.5% 0 61.7% 63.0% 63.0% 63.0% 0 0 0 63.0% 0 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 95.1% 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-9b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

March

February

Percent Percent Percent Percent Absolute Difference No Action Alternative Alternative D Absolute No Action Alternative Alternative D Absolute No Action Alternative Alternative D No Action Alternative Alternative D Absolute Relative Exceedance Relative Exceedance Relative Relative Difference Difference Difference Monthly Diversion Difference (%) Probability Difference (%) Difference (%) Probability Difference (%) Probability Probability (CFS) (CFS) (CFS) (CFS) (CFS) 18734 0.0% (%) 0.0% 0.0% (CFS) (CFS) (CFS (CFS) (CFS) (CFS) (CFS) 0.0% 18736 0.0% 17778 0.0% 9875 9783 -92 -0.9% 2892 -166 -5.8% 1.2% 18159 17958 -201 -1.1% 1.2% 14705 14384 -321 -2.2% 1.2% 8796 8798 0.0% 1.2% 1980 1555 -425 -21.5% 2.5% 15350 15599 1.6% 2.5% 13585 12772 -814 -6.0% 2.5% 8066 8089 24 0.3% 2.5% 1550 1530 -19 -1.3% 3.7% 3.7% 13328 13486 158 1.2% 3.7% 11791 11163 -628 -5.3% 3.7% 7657 7660 2 0.0% 873 674 -198 -22.7% 11619 4.9% 11640 -21 -0.2% 4.9% 9970 9961 -0.1% 4.9% 7057 7057 0.0% 4.9% 6.2% 6.2% 6.2% 6.2% 10925 10615 -309 -2.8% 8585 7923 -662 -7.7% 4953 4729 -224 -4.5% 0 0 -7.7% -6.7% -5.7% 7.4% 8.6% 9.9% 11.1% 12.3% 7.4% 10864 10023 -841 7.4% 7690 6928 -762 -9.9% 7.4% 3949 0.1% 8.6% 8.6% 8.6% 10452 9750 -703 7209 6801 -408 -5.7% 3511 3516 0.1% 9.9% -577 3009 11.1% 12.3% 9890 9131 -759 -7.7% 1.5% 11.1% 6322 6129 -193 -3.1% 11.1% 2471 2354 -117 -4.7% -17.0% 0 0 13.6% 13.6% 13.6% 13.6% 8858 8680 -177 -2.0% 5093 5093 0 -81 0.0% 2059 1887 -171 -8.3% 0 Ω 7839 16.0% 16.0% 16.0% 16.0% 6949 6724 -225 -3.2% 4524 4529 4 0.1% 1642 1538 -103 -6.3% 18.5% -11.5% 18.5% -43 -1.3% 18.5% 18.5% 6738 5963 -775 3390 3346 1525 1499 -26 -1.7% 0 19.8% 21.0% 6425 6243 -793 -12.4% -11.2% 19.8% 3359 3234 -3.7% -14.9% 19.8% 21.0% 595 513 -471 -44.2% 19.8% 21.0% 5545 -697 3225 2744 -481 595 -82 -13.8% 22.2% 23.5% -8.9% -7.1% 22.2% 23.5% 3184 2645 -16.9% -6.1% 22.2% 23.5% -113 -20.7% -0.6% 22.2% 23.5% 5332 4954 -379 2583 -169 310 308 2752 -2 24.7% 25.9% -487 -104 -9.1% -2.1% 24.7% 25.9% 2704 2562 24.7% 25.9% 262 173 24.7% 25.9% 5325 4838 2582 -4.5% 305 274 -43 -101 -14.0% 4823 -9.1% 4719 2328 -234 -36.9% 27.2% 28.4% 7.4% 27.2% 28.4% 27.2% 28.4% 4221 4535 313 2543 2217 -326 -12.8% 27.2% 103 1851 -680 -26.9% 28.4% 4202 4305 2531 29.6% 30.9% -662 -1029 -15.9% -25.9% 29.6% 30.9% 2375 2249 -28.2% -37.3% 29.6% 30.9% 29.6% 30.9% 4164 1706 1410 -839 3976 32.1% 3709 2779 -930 -25.1% 32.1% 1701 1098 -603 -35.5% 32.1% 32.1% 33.3% -18.6% 33.3% 1086 -481 -30.7% 33.3% 33.3% -635 34.6% 3214 -539 -16.8% 34.6% 1365 1076 -289 -21.2% 34.6% 34.6% 35.8% 3121 -19.4% 35.8% -257 -19.7% 35.8% 35.8% -605 37.0% 2867 2446 -421 -14.7% 37.0% 1266 950 -316 -25.0% 37.0% 37.0% 38.3% -13.4% 38.3% 890 -19.8% 38.3% 38.3% 39.5% 2531 2399 -133 -5.2% 39.5% 1051 666 -385 -36.6% 39.5% 39.5% 40.7% 2503 2194 -12.3% 40.7% 935 639 -296 -192 -31.6% 40.7% 40.7% -11.2% 42.0% 2452 2177 -275 42.0% 598 406 -32.1% 42.0% 42.0% 43.2% 2444 1897 -547 -22.4% 43.2% 508 373 -135 -26.6% 43.2% 43.2% 44.4% 1429 1376 -52 -3.7% 44.4% 504 267 -237 -47.1% 44.4% 44.4% 45.7% 45.7% 45.7% 1202 1040 -162 -13.5% 416 141 -276 -66.2% 45.7% -153 -69.8% 46.9% 1153 1001 -13.2% 46.9% 406 123 -284 46.9% 46.9% 48.1% 49.4% 1064 932 -132 -12.4% 48.1% 333 108 -225 -67.7% 48.1% 48.1% 1053 -174 -16.5% 49.4% 302 82 -220-72.9% 49.4% 49.4% 50.6% 50.6% 50.6% 866 831 -36 -4.1% 217 77 -140 -64.4% 50.6% -5.8% -12.8% -8.9% 776 754 -133 -77.6% 51.9% 731 658 51.9% 38 18 51.9% 51.9% 53.1% 53.1% 54.3% 53.1% 53.1% -96 156 -138 -88.4% 55.6% 56.8% 55.6% 56.8% 55.6% 274 149 144 -47.5% -130 33 -33 55.6% 58.0% 58.0% 58.0% 137 90 -46 0 0 58.0% 0 0 60.5% 60.5% 60.5% 53 -19 0 60.5% 0 61.7% 63.0% 63.0% 63.0% 21 -21 0 0 63.0% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 64.2% 65.4% 0 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 66.7% 67.9% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 69.1% 70.4% 71.6% 71.6% 71.6% 71.6% 72.8% 72.8% 72.8% 72.8% 74.1% 75.3% 74.1% 75.3% 74.1% 74.1% 75.3% 75.3% 76.5% 76.5% 76.5% 76.5% 77.8% 77.8% 77.8% 77.8% 79.0% 79.0% 79.0% 79.0% 80.2% 80.2% 80.2% 80.2% 81.5% 81.5% 81.5% 81.5% 82.7% 82.7% 82.7% 82.7% 84.0% 84.0% 84.0% 84.0% 85.2% 85.2% 85.2% 85.2% 86.4% 86.4% 86.4% 86.4% 87.7% 87.7% 87.7% 87.7% 88.9% 88.9% 88.9% 88.9% 90.1% 90.1% 90.1% 90.1% 91.4% 91.4% 91.4% 91.4% 91.4% 92.6% 92.6% 92.6% 93.8% 93.8% 93.8% 93.8% 95.1% 95.1% 95.1% 0 0 0 0 95.1% 0 0 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% 96.3% 97.5% Ω Ω Ω Ω Ω 100.0% 100.0% 100.0% 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Table SW-52-9b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent Absolute Difference (CFS) No Action Alternative Alternative D Relative Difference (%) Exceedance Probability Monthly Diversion Monthly Diversion (CFS) 3625 (CFS) 3568 (%) 0.0% 1.2% 2.5% 3.7% 4.9% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 14.8% 16.0% 17.3% 18.5% 19.8% -1.6% 22.3% -56 118 97 22 22.2%
23.5%
24.7%
25.9%
27.2%
28.4%
29.6%
30.9%
32.1%
34.6%
37.0%
38.3%
34.6%
37.0%
40.7%
40.7%
42.0%
43.2%
42.4%
45.7% 46.9%
48.1%
50.6%
51.9%
53.3%
55.8%
56.6%
59.3%
60.7%
60.7%
67.9%
67.9%
67.9%
67.9%
67.9%
67.9% 74.1%, 75.3% 76.5% 77.8% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4% 99.1% 91.4% 91.4% 92.6% 93.8% 95.5% 96.3% 97.5% 98.8%

100.0%

Percent	No Action Alternative	July Alternative D	Absolute	
Probability	Monthly Diversion (CFS)	Monthly Diversion	Difference (CFS)	Relative Difference (%)
0.0%	0	(CFS)	0	
1.2%	ŏ	ő	ő	
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% 9.9%	0	0	0	
11.1% 12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	Ö	0	Ö	
17.3%	ŏ	ő	ő	
18.5%	Ō	0	0	
19.8%	ŏ	Ö	ő	
21.0%	Ö	Ö	Ō	
22.2%	0	0	0	
23.5%	0	0	Ō	
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% 37.0%	0	0	0	
38.3% 39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	ő	o o	0	
45.7%	ŏ	ő	ő	
46.9%	ō	0	0	
48.1%	Ö	Ö	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% 63.0%	0	0	0	
63.0%	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%	ő	0	0	
76.5%	ő	ő	ő	
77.8%	Ö	0	Ö	
79.0%	ő	ő	ő	
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	0.0	0.0	

100.0%

		August		
Percent	No Action Alternative	Absolute		
Probability Probability	Monthly Diversion	Alternative D Monthly Diversion	Difference	Relative Difference (%)
(%)	(CFS)	(CFS)	(CFS)	Dillerence (70)
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% 12.3%	0	0	0	
	0			
13.6% 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	ő	
22.2%	0	0	0	
23.5%	Ö	ů .	ő	
24.7%	0	0	0	
25.9%	Ö	0	ő	
27.2%	0	0	0	
28.4%	Ö	Ō	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	
51.9% 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%	ō	ō	ō	
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% 79.0%	0	0	0	
	0	0	0	
80.2% 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%	Ö	Ö	0	
98.8%	0	0	ő	
100.0%	0.0	0.0	0.0	

Percent	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
Exceedance Probability	Monthly Diversion	Monthly Diversion		
(%)	(CFS)	(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%	ō	ō	0	
8.6%	ŏ	ő	Ö	
9.9%	ň	ň	0	
11.1%	0	0	Ö	
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%	ů .	Ö	Ö	
29.6%	0	0	ō	
30.9%	0	ő	0	
32.1%	0	0	0	
33.3%	0	0	0	
	0	0	0	
34.6%				
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%	Ö	ō	0	
49.4%	0	0	0	
50.6%	0	ő	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%	ō	ō	0	
65.4%	Ö	Ō	Ō	
66.7%	ō	ō	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
71.6%	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%	Ö	Ō	Ō	
86.4%	ō	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
90.1%				
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

September