

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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 ²		-6.6%	-2.6%	-2.3%	-5.0%	-10.8%	-9.3%	-20.4%				
Water Year Types³												
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 62-year simulation period

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

3 Relative difference of the monthly average

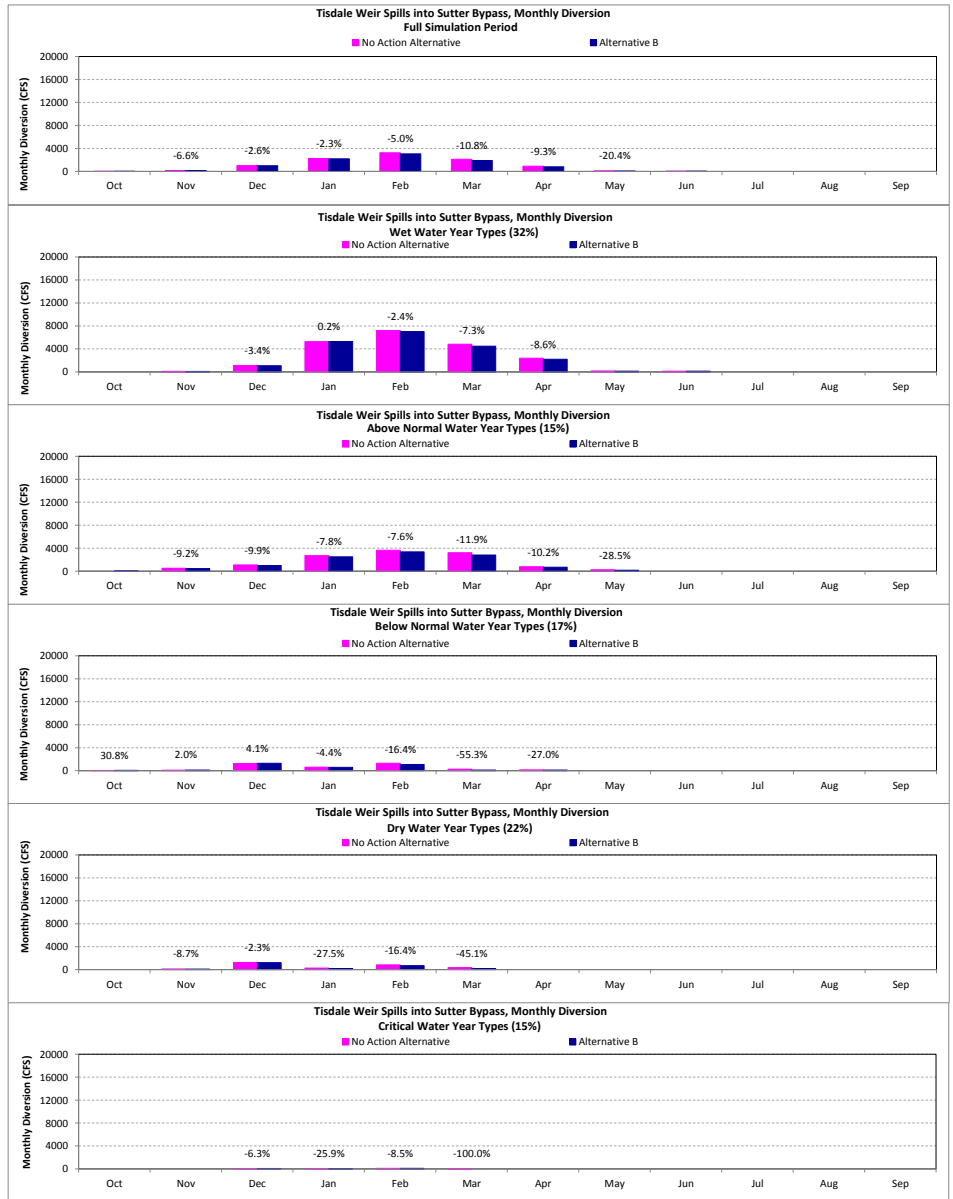
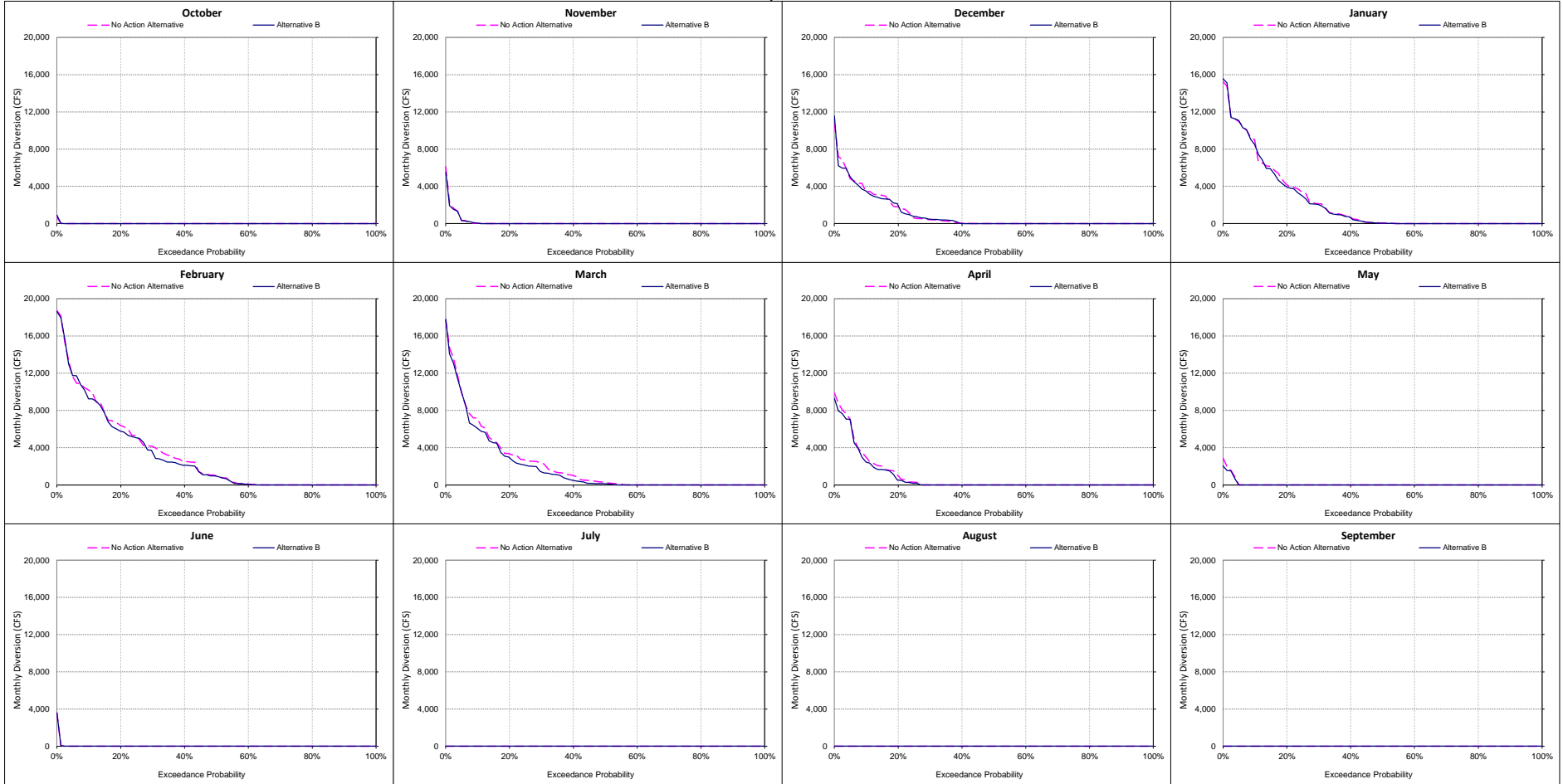


Figure SW-52-5b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance



Alternative C Compared to No Action Alternative

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

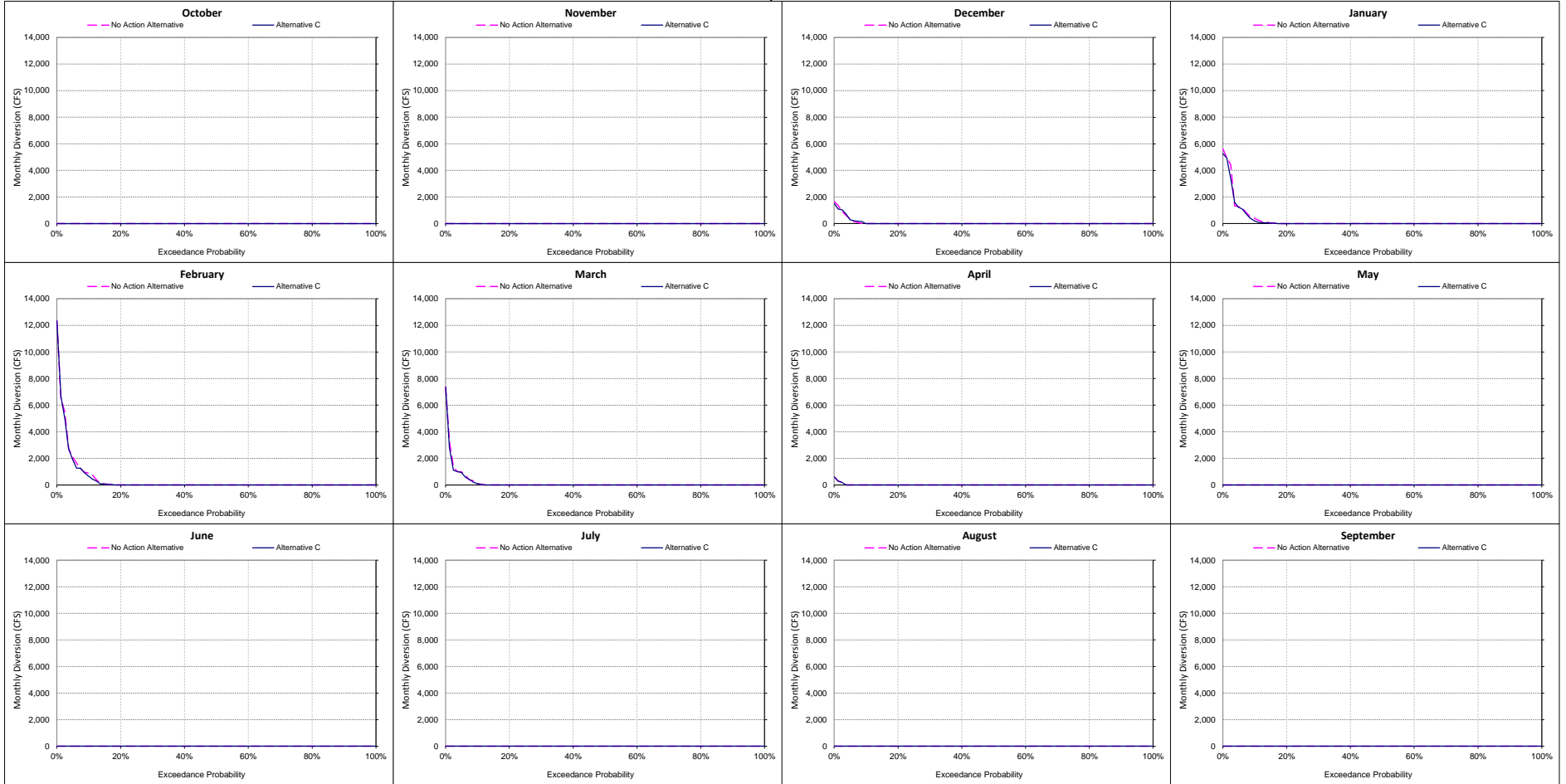


Table SW-50-7a
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 Year Types²												
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 62-year simulation period

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

3 Relative difference of the monthly average

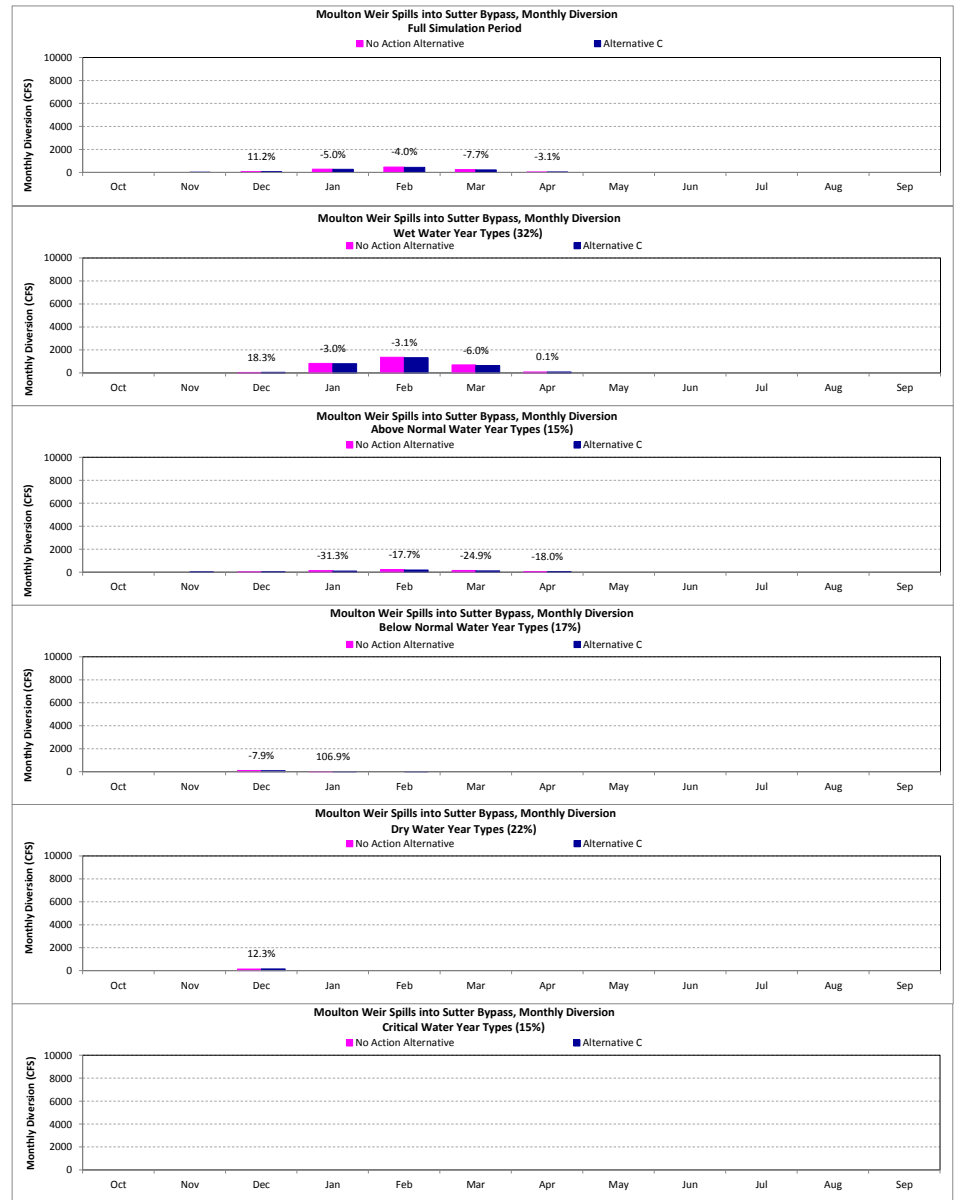


Figure SW-50-7b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

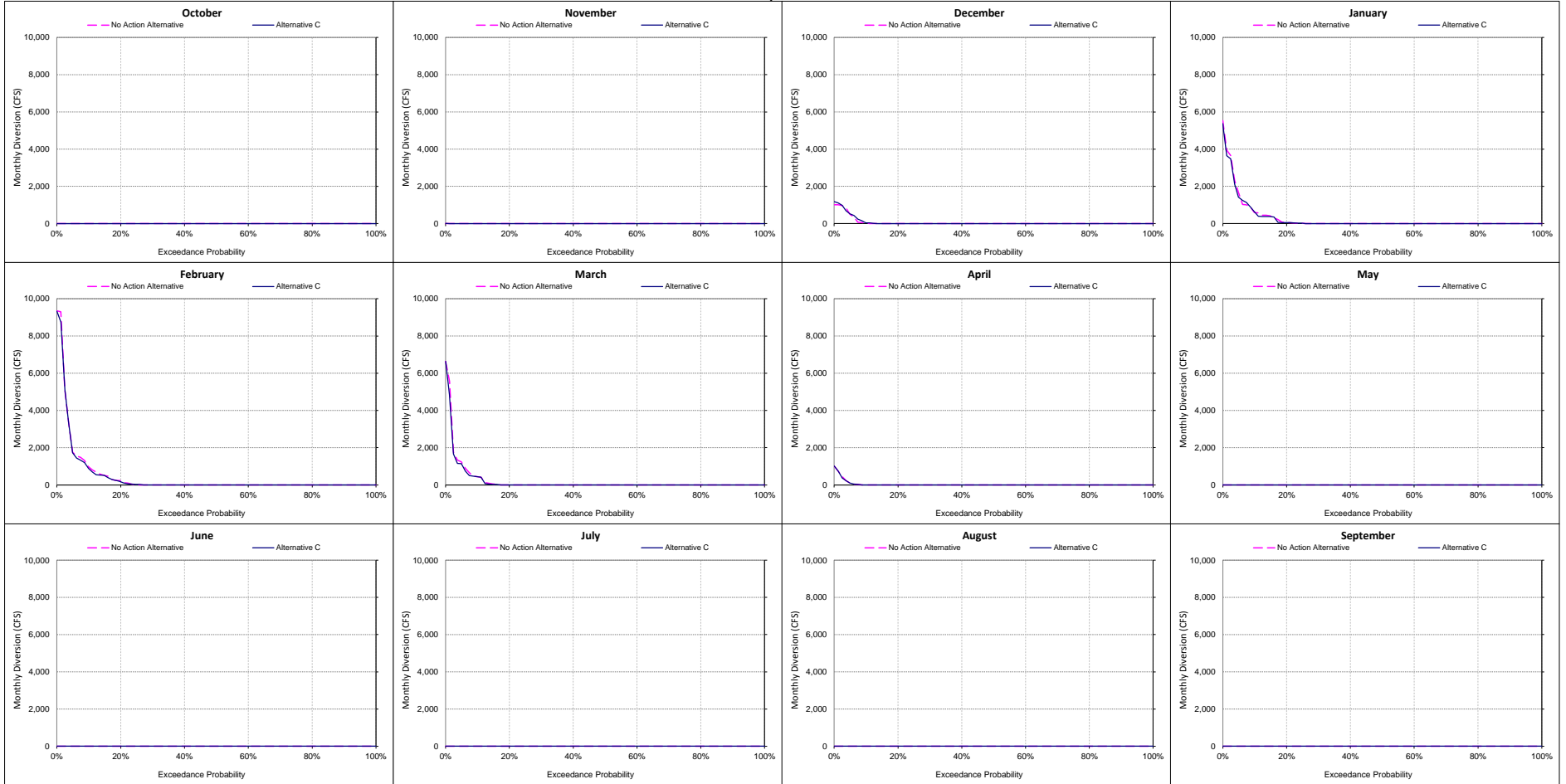


Table SW-50-7b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	9355	9327	-28	-0.3%	
1.2%	9304	8747	-558	-6.0%	
2.5%	5144	5123	-21	-0.4%	
3.7%	3323	3346	23	0.7%	
4.9%	1751	1733	-19	-1.1%	
6.2%	1559	1437	-123	-7.9%	
7.4%	1482	1322	-161	-10.8%	
8.6%	1317	1200	-117	-8.9%	
9.9%	976	860	-96	-9.8%	
11.1%	806	702	-104	-12.9%	
12.3%	682	541	-141	-20.6%	
13.6%	574	531	-44	-7.6%	
14.8%	510	516	5	1.0%	
16.0%	466	380	-86	-18.4%	
17.3%	290	289	-2	-0.5%	
18.5%	239	238	-1	-0.3%	
19.8%	236	193	-43	-18.1%	
21.0%	118	96	-22	-18.8%	
22.2%	101	60	-42	-41.1%	
23.5%	38	46	8	20.5%	
24.7%	14	28	13		
25.9%	0	23	23		
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		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

March					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6639	6639	0	0.0%	
1.2%	5565	4847	-718	-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%	469	469	0	0.0%	
9.9%	443	444	1	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%	1	1	0		
19.8%	0	1	1		
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		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

April					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1015	1016	0	0.0%	
1.2%	737	738	1	0.1%	
2.5%	459	376	-83	-18.0%	
3.7%	227	228	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%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

May					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	0	0	0		
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	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%					

Table SW-51-7a
Colusa Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
Full Simulation Period¹												
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 ²			4.3%	-4.5%	-6.5%	-5.7%	-0.1%					
Water Year Types³												
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	788	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		-12.1%	5.0%	-43.4%	-30.0%	-57.6%						
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			-2.3%	-82.7%	-38.9%							

1 Based on the 62-year simulation period

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

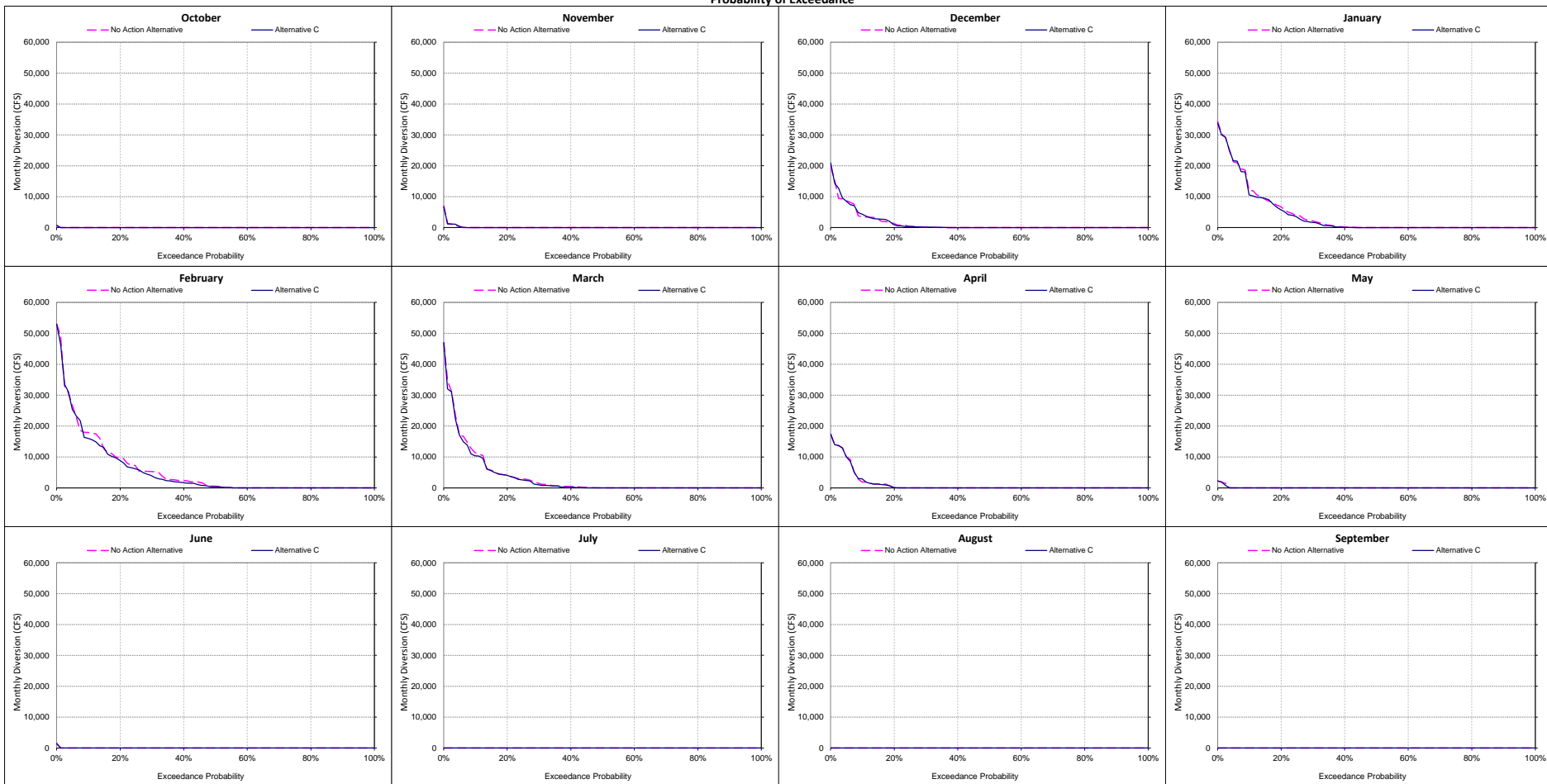


Table SW-51-7b
Colusa Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

October					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	559	712	154	27.5%	
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

November					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7065	6635	-430	-6.1%	
1.2%	1342	1187	-156	-11.6%	
2.5%	1052	1191	139	12.2%	
3.7%	585	1050	473	80.9%	
4.9%	318	345	26	8.3%	
6.2%	0	27	27		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

December					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	19690	20916	1226	6.2%	
1.2%	15339	14334	-1004	-6.5%	
2.5%	9438	12093	3255	34.5%	
3.7%	8260	9665	405	4.4%	
4.9%	8690	8510	-180	-2.1%	
6.2%	8205	7431	-774	-9.4%	
7.4%	7529	7059	-470	-6.2%	
8.6%	3842	4820	977	25.4%	
9.9%	3410	4344	934	27.4%	
11.1%	3381	3760	380	11.2%	
12.3%	3364	3207	-157	-4.7%	
13.6%	3262	2872	-390	-11.9%	
14.8%	2761	2781	20	0.7%	
16.0%	1997	2719	722	36.1%	
17.3%	1931	2588	657	34.0%	
18.5%	1632	2006	374	22.9%	
19.8%	1364	1010	-354	-26.0%	
21.0%	840	542	-298	-35.5%	
22.2%	727	540	-187	-25.7%	
23.5%	722	333	-389	-53.9%	
24.7%	444	329	-115	-25.8%	
25.9%	338	312	-27	-7.9%	
27.2%	270	244	-26	-9.6%	
28.4%	167	242	75	45.1%	
29.6%	136	173	37	27.0%	
30.9%	96	167	70	73.1%	
32.1%	79	104	25	31.7%	
33.3%	72	11	-61	-84.5%	
34.5%	7	5	-2		
35.8%	0	5	5		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

January					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	34396	33848	-549	-1.6%	
1.2%	30467	30033	-434	-1.4%	
2.5%	29120	29291	161	0.6%	
3.7%	24958	24926	-32	-0.1%	
4.9%	21295	21610	315	1.5%	
6.2%	20927	21562	636	3.0%	
7.4%	19015	18100	-914	-4.8%	
8.6%	18640	18038	-602	-3.2%	
9.9%	11980	10579	-1401	-11.7%	
11.1%	11866	10245	-1621	-14.3%	
12.3%	10544	9835	-710	-6.7%	
13.6%	10025	9707	-318	-3.2%	
14.8%	9226	9433	206	2.2%	
16.0%	8577	9018	441	5.1%	
17.3%	8270	7753	-516	-6.2%	
18.5%	7295	6837	-458	-6.3%	
19.8%	6835	5833	-1003	-14.7%	
21.0%	5815	5161	-654	-11.2%	
22.2%	4988	4116	-872	-17.5%	
23.5%	4592	3996	-597	-13.0%	
24.7%	3793	3532	-261	-6.9%	
25.9%	3788	2727	-1061	-28.0%	
27.2%	2797	2087	-710	-25.4%	
28.4%	2342	1926	-416	-17.8%	
29.6%	2254	1689	-566	-25.1%	
30.9%	1865	1587	-278	-14.9%	
32.1%	1582	1118	-464	-29.3%	
33.3%	1094	686	-408	-37.3%	
34.5%	821	612	-209	-25.5%	
35.8%	691	525	-166	-24.0%	
37.0%	493	187	-306	-62.1%	
38.3%	283	151	-132	-46.7%	
39.5%	244	93	-151	-62.0%	
40.7%</					

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

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53046	53019	-27	-0.1%
1.2%	49189	46362	-2827	-5.7%
2.5%	33034	33045	11	1.3%
3.7%	30755	31180	425	1.4%
4.9%	26703	25428	-1275	-4.8%
6.2%	22915	23251	336	1.5%
7.4%	18664	21708	3043	16.3%
8.6%	17950	16316	-1634	-9.1%
9.9%	17925	16029	-1896	-10.6%
11.1%	17625	15622	-2004	-11.4%
12.3%	17461	14856	-2605	-14.9%
13.6%	15972	13607	-2365	-14.8%
14.8%	12659	13059	399	3.2%
16.0%	11444	10897	-547	-4.8%
17.3%	11105	10203	-903	-8.1%
18.5%	9984	9740	-243	-2.4%
19.8%	9724	9020	-703	-7.2%
21.0%	9497	8107	-1390	-14.6%
22.2%	7924	6797	-1127	-14.2%
23.5%	7401	6551	-850	-11.5%
24.7%	7267	6180	-1087	-15.0%
25.9%	5435	5826	391	7.2%
27.2%	5428	4933	-495	-9.0%
28.4%	5342	4433	-909	-17.0%
29.6%	5275	4025	-1251	-23.7%
30.9%	5208	3375	-1834	-35.2%
32.1%	4943	2956	-1987	-40.2%
33.3%	3667	2777	-890	-24.3%
34.5%	2783	2325	-458	-16.5%
35.8%	2667	2268	-399	-15.0%
37.0%	2603	1963	-640	-24.6%
38.3%	2391	1869	-522	-21.8%
39.5%	2311	1725	-586	-25.4%
40.7%	2307	1542	-765	-33.2%
42.0%	1990	1496	-494	-24.8%
43.2%	1940	1429	-510	-26.3%
44.4%	1906	1064	-841	-44.1%
45.7%	1681	791	-890	-52.9%
46.9%	983	696	-287	-29.2%
48.1%	553	410	-142	-25.8%
49.4%	534	382	-152	-28.4%
50.6%	498	372	-126	-25.3%
51.9%	290	274	-16	-5.4%
53.1%	160	98	-62	-39.0%
54.3%	145	94	-51	-35.0%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0%

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46969	46968	-1	0.0%
1.2%	34582	32037	-2545	-7.4%
2.5%	31132	31094	-38	-0.1%
3.7%	23411	22188	-1223	-5.2%
4.9%	17043	17019	-24	-0.1%
6.2%	16703	14907	-1796	-10.8%
7.4%	14755	13826	-929	-6.3%
8.6%	12737	10997	-1740	-13.7%
9.9%	11398	10358	-1040	-9.1%
11.1%	10899	10275	-624	-5.7%
12.3%	10493	9506	-987	-9.4%
13.6%	6055	6061	6	0.1%
14.8%	5729	5541	-188	-3.3%
16.0%	5270	4989	-281	-5.3%
17.3%	4505	4497	-8	-0.2%
18.5%	9740	4280	-5460	-56.0%
19.8%	4180	4128	-52	-1.3%
21.0%	3669	3648	-22	-0.6%
22.2%	3346	3342	-4	-0.1%
23.5%	3001	2748	-253	-8.4%
24.7%	2925	2593	-331	-11.3%
25.9%	5826	391	-5435	-93.5%
27.2%	2475	2191	-284	-11.5%
28.4%	1861	1191	-670	-36.0%
29.6%	1574	1076	-498	-31.7%
30.9%	1139	788	-352	-30.9%
32.1%	1074	764	-310	-28.8%
33.3%	917	661	-256	-27.9%
34.5%	654	594	-60	-9.1%
35.8%	590	588	-2	-0.2%
37.0%	571	256	-315	-55.2%
38.3%	477	206	-271	-56.8%
39.5%	421	168	-253	-60.1%
40.7%	400	157	-243	-60.8%
42.0%	369	121	-248	-67.3%
43.2%	202	98	-103	-51.3%
44.4%	196	26	-170	-86.7%
45.7%	48	0	-48	-100.0%
46.9%	39	0	-39	-100.0%
48.1%	1	0	-1	-100.0%
49.4%	0	0	0	0.0%
50.6%	0	0	0	0.0%
51.9%	0	0	0	0.0%
53.1%	0	0	0	0.0%
54.3%	0	0	0	0.0%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0%

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17385	17401	17	0.1%
1.2%	13969	13960	-9	-0.1%
2.5%	13675	13678	3	0.0%
3.7%	12666	12666	0	0.0%
4.9%	10049	10046	-3	0.0%
6.2%	9208	8575	-633	-6.9%
7.4%	5026	5025	-1	0.0%
8.6%	2869	2987	118	4.1%
9.9%	1890	2876	986	52.2%
11.1%	1857	1860	3	0.2%
12.3%	1459	1488	29	2.0%
13.6%	1283	1241	-42	-3.3%
14.8%	1259	1223	-36	-2.9%
16.0%	1251	1036	-215	-17.2%
17.3%	1206	965	-241	-20.0%
18.5%	659	657	-2	-0.4%
19.8%	213	195	-18	-8.5%
21.0%	48	48	0	0.0%
22.2%	10	0	-10	-100.0%
23.5%	0	0	0	0.0%
24.7%	0	0	0	0.0%
25.9%	0	0	0	0.0%
27.2%	0	0	0	0.0%
28.4%	0	0	0	0.0%
29.6%	0	0	0	0.0%
30.9%	0	0	0	0.0%
32.1%	0	0	0	0.0%
33.3%	0	0	0	0.0%
34.5%	0	0	0	0.0%
35.8%	0	0	0	0.0%
37.0%	0	0	0	0.0%
38.3%	0	0	0	0.0%
39.5%	0	0	0	0.0%
40.7%	0	0	0	0.0%
42.0%	0	0	0	0.0%
43.2%	0	0	0	0.0%
44.4%	0	0	0	0.0%
45.7%	0	0	0	0.0%
46.9%	0	0	0	0.0%
48.1%	0	0	0	0.0%
49.4%	0	0	0	0.0%
50.6%	0	0	0	0.0%
51.9%	0	0	0	0.0%
53.1%	0	0	0	0.0%
54.3%	0	0	0	0.0%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0%

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2239	2209	-30	-1.3%
1.2%	1860	1849	-11	-0.6%
2.5%	1459	803	-656	-45.0%
3.7%	0	0	0	0.0%
4.9%	0	0	0	0.0%
6.2%	0	0	0	0.0%
7.4%	0	0	0	0.0%
8.6%	0	0	0	0.0%
9.9%	0	0	0	0.0%
11.1%	0	0	0	0.0%
12.3%	0	0	0	0.0%
13.6%	0	0	0	0.0%
14.8%	0	0	0	0.0%
16.0%	0	0	0	0.0%
17.3%	0	0	0	0.0%
18.5%	0	0	0	0.0%
19.8%	0	0	0	0.0%
21.0%	0	0	0	0.0%
22.2%	0	0	0	0.0%
23.5%	0	0	0	0.0%
24.7%	0	0	0	0.0%
25.9%	0	0	0	0.0%
27.2%	0	0	0	0.0%
28.4%	0	0	0	0.0%
29.6%	0	0	0	0.0%
30.9%	0	0	0	0.0%
32.1%	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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
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 Year Types²												
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 62-year simulation period

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

3 Relative difference of the monthly average

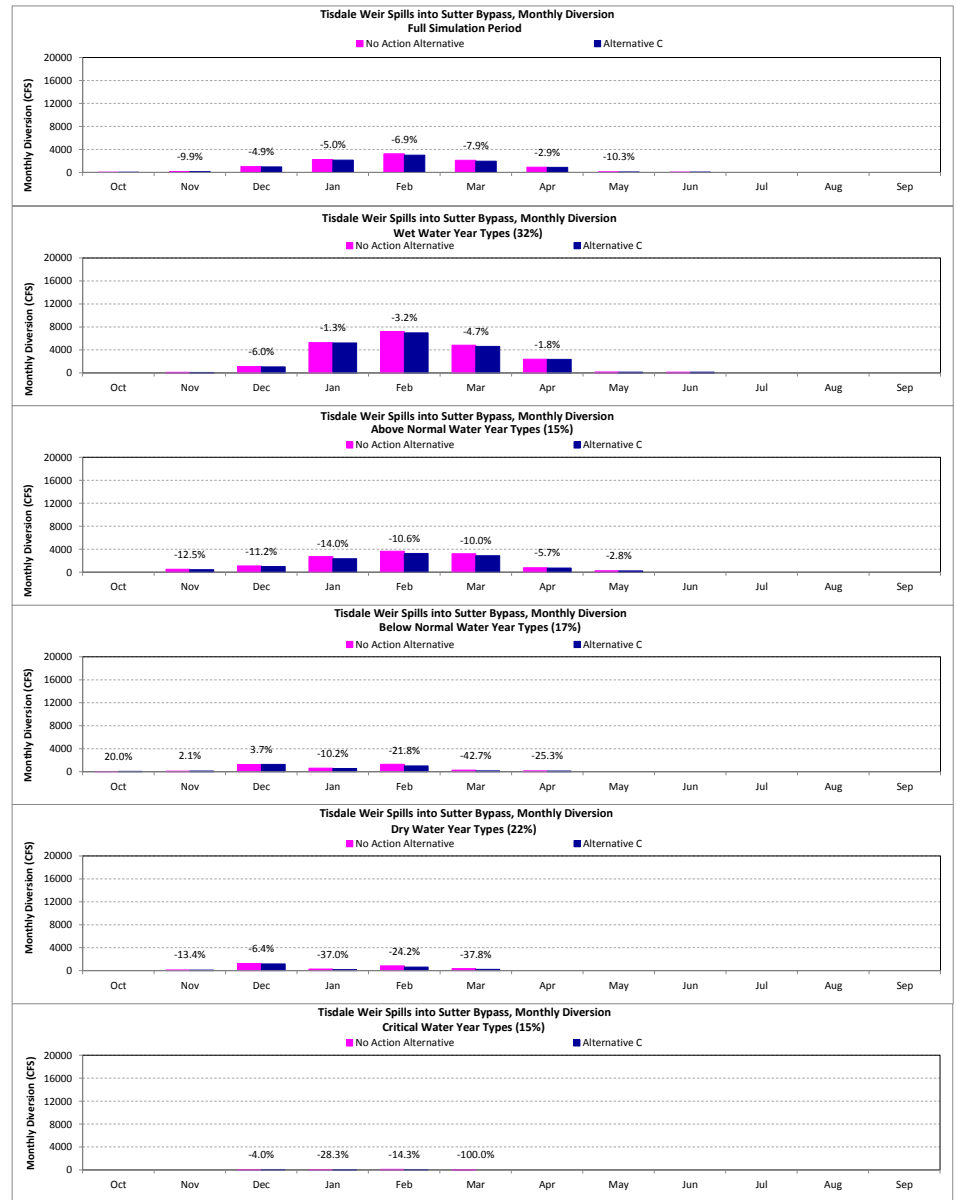
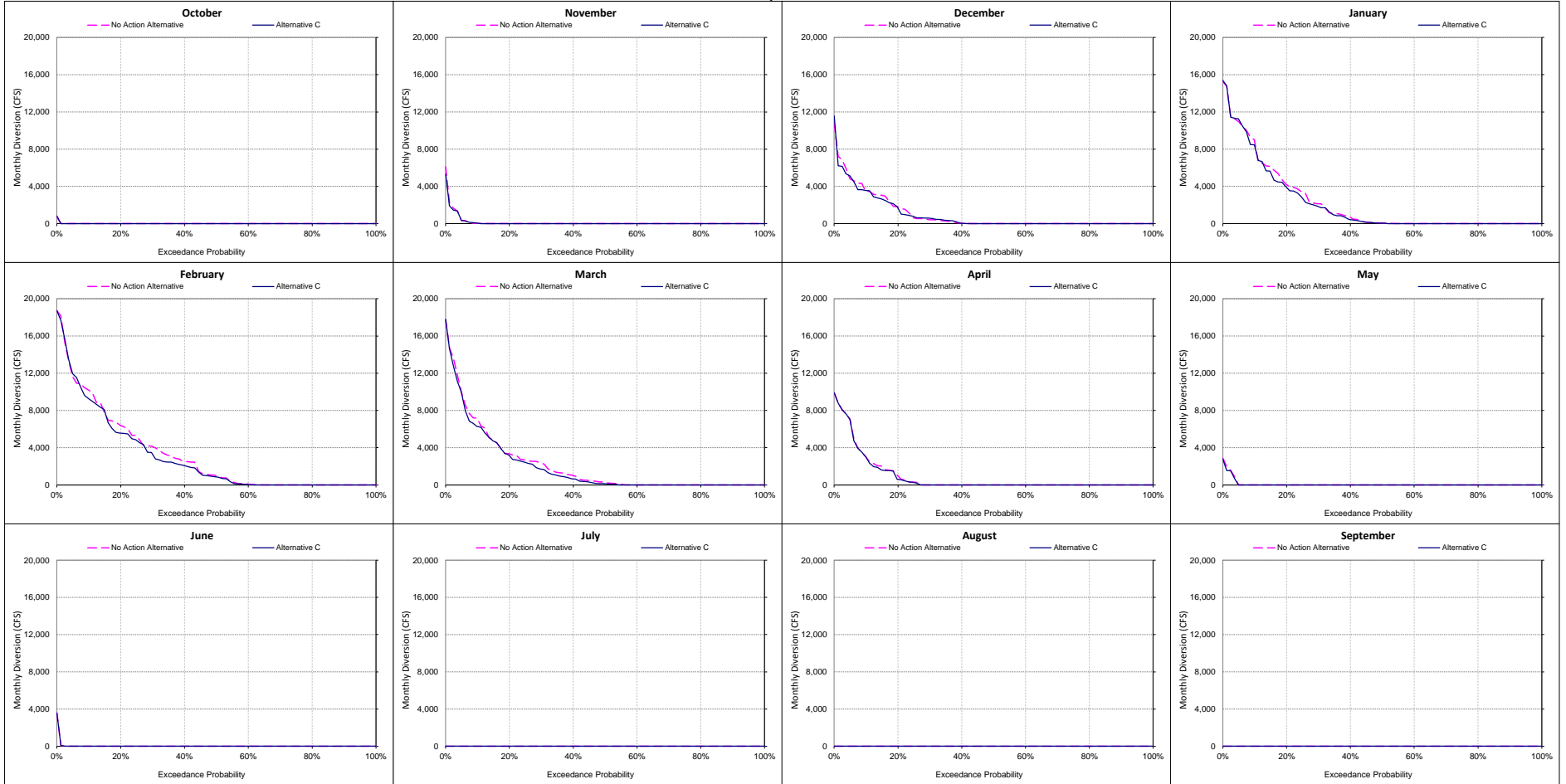


Figure SW-52-7b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance



Alternative D Compared to No Action Alternative

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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
Full Simulation Period¹												
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 Year Types²												
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 62-year simulation period

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

3 Relative difference of the monthly average

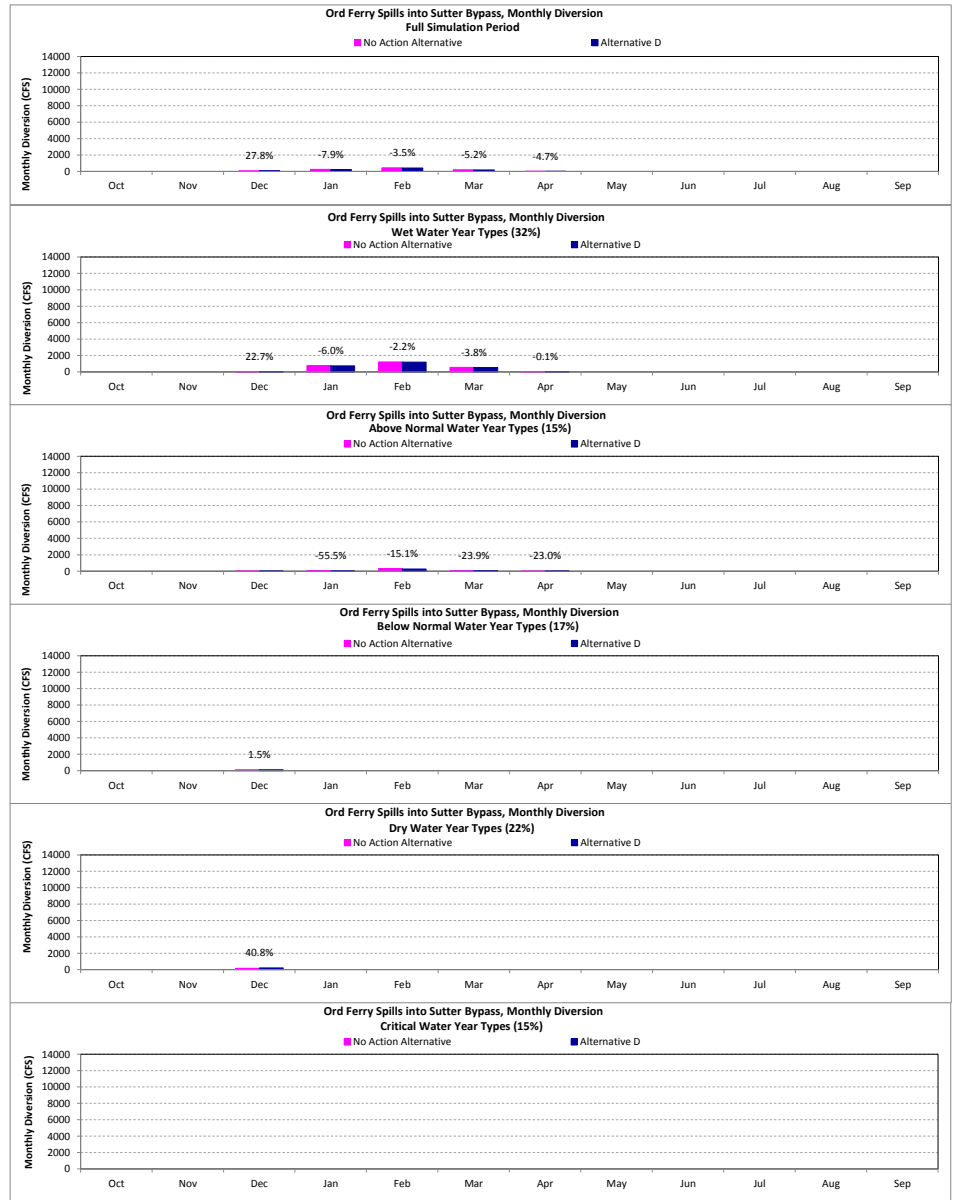


Figure SW-49-9b
Ord Ferry Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

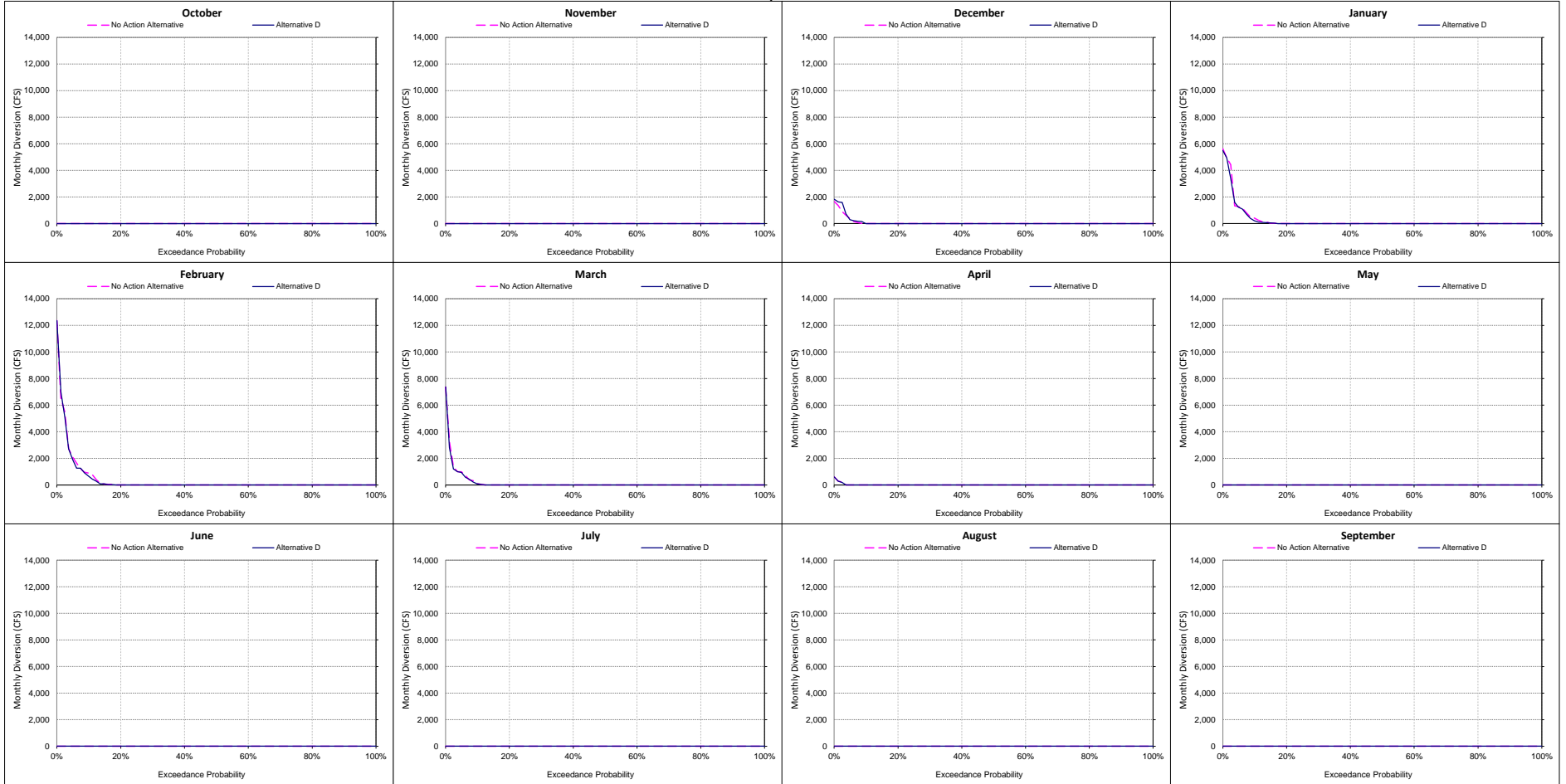


Table SW-49-9b
Ord Ferry Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1659	1820	161	9.7%
1.2%	1365	1623	259	19.0%
2.5%	907	1596	679	74.6%
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	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	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5633	5508	-126	-2.2%
1.2%	4996	4950	-46	-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	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	
34.5%	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%				

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

February					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	12366	12368	2	0.0%	
1.2%	6536	6981	445	6.8%	
2.5%	5493	5066	-427	-7.8%	
3.7%	2709	2715	6	0.2%	
4.9%	2095	1922	-173	-8.3%	
6.2%	1642	1269	-373	-22.7%	
7.4%	1220	1261	42	3.4%	
8.6%	957	895	-62	-6.4%	
9.9%	809	665	-144	-17.8%	
11.1%	763	439	-324	-42.4%	
12.3%	391	287	-104	-26.6%	
13.6%	120	77	-43	-36.1%	
14.8%	63	75	12	19.3%	
16.0%	50	32	-19	-37.0%	
17.3%	41	30	-11	-26.6%	
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		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

March					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7360	7360	0	0.0%	
1.2%	3196	2802	-394	-12.3%	
2.5%	1360	1201	-149	-11.0%	
3.7%	984	984	0	0.0%	
4.9%	987	945	-42	-4.2%	
6.2%	737	586	-152	-20.6%	
7.4%	383	425	42	10.8%	
8.6%	322	220	-102	-31.6%	
9.9%	91	89	-2	-2.6%	
11.1%	49	49	0	0.0%	
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

April					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	608	608	0	0.0%	
1.2%	285	284	-1	-0.3%	
2.5%	225	173	-52	-23.0%	
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

May					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	0	0	0		
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	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%					

Table SW-50-9a
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
Full Simulation Period¹												
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 Year Types²												
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 62-year simulation period

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

3 Relative difference of the monthly average

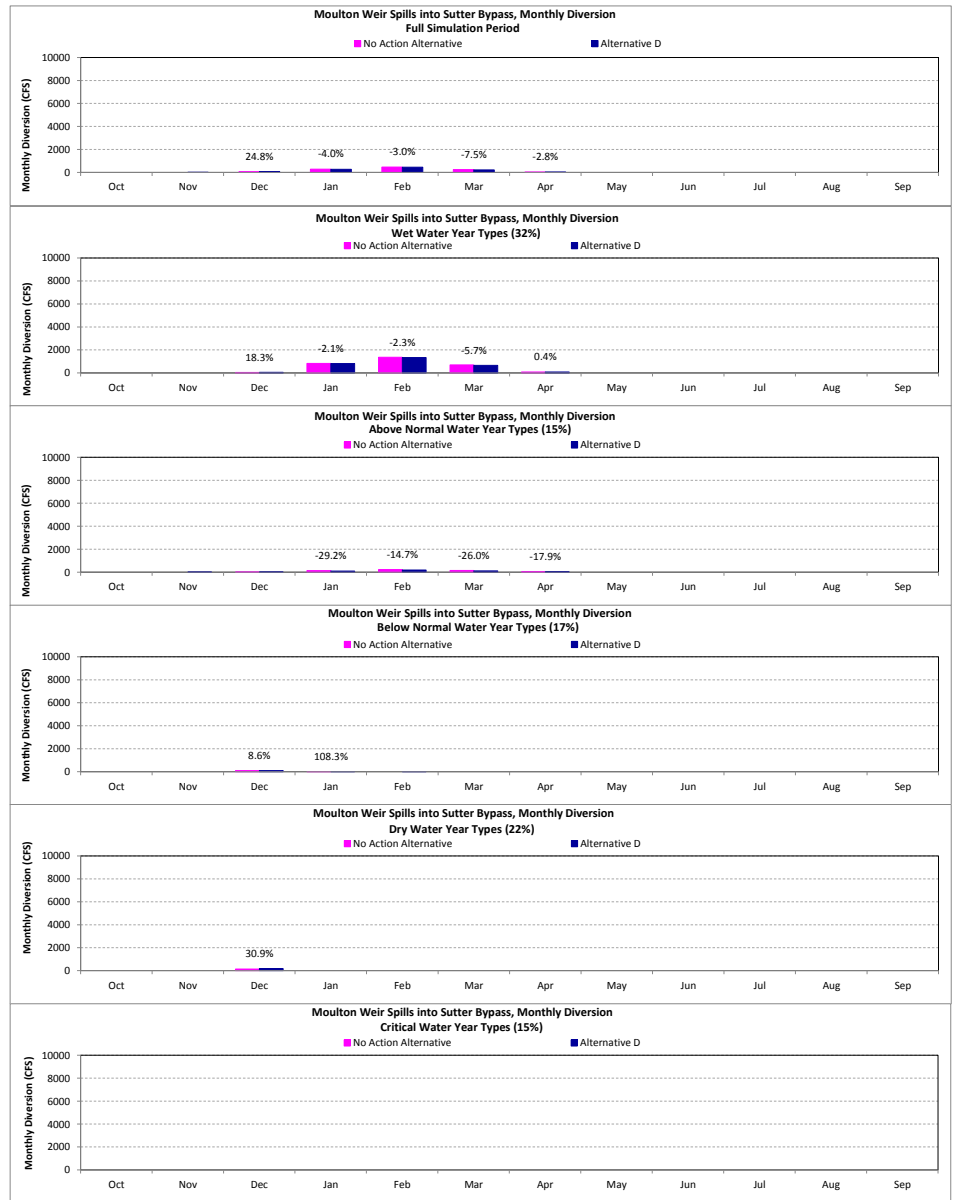


Figure SW-50-9b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

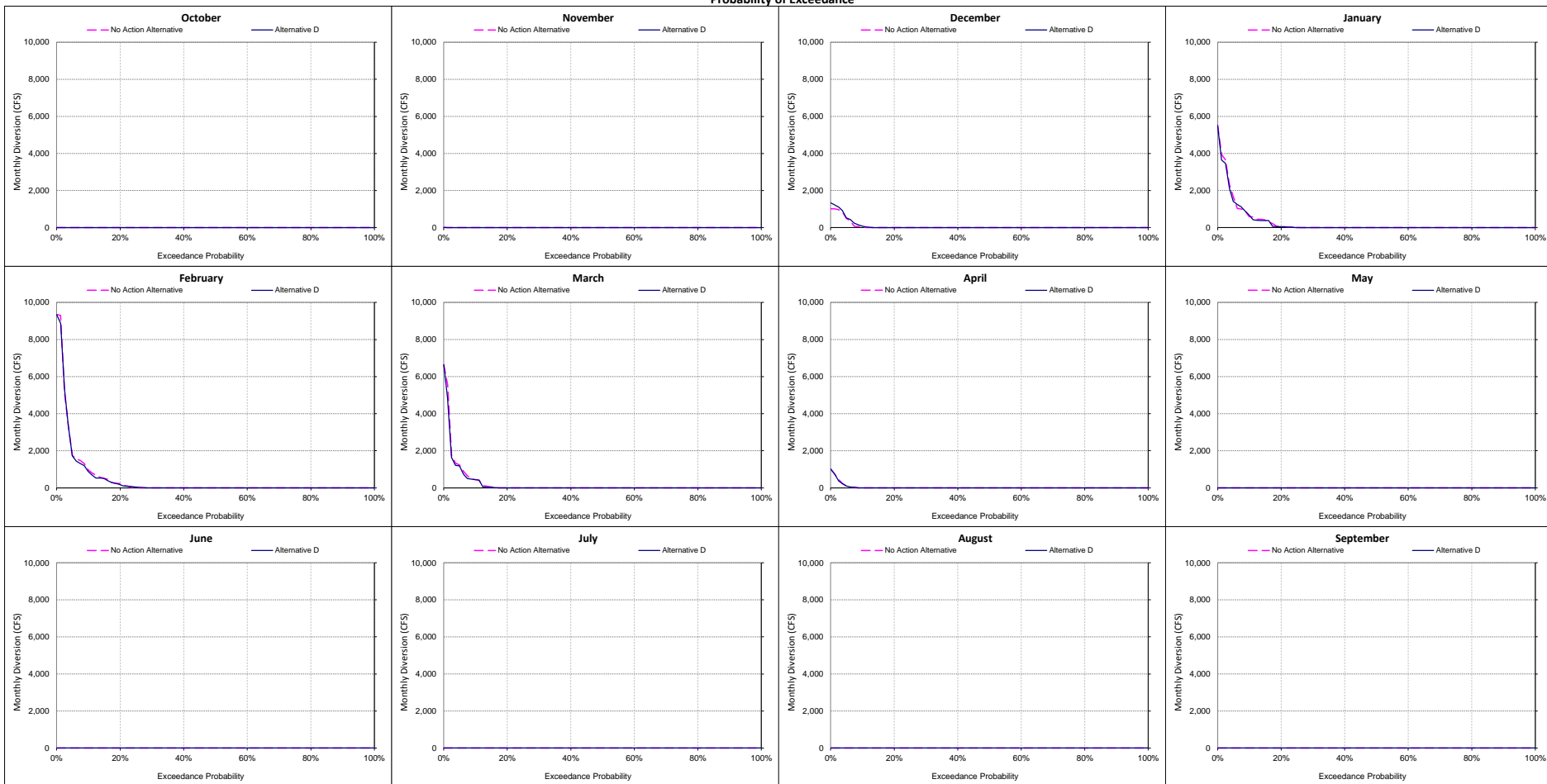


Table SW-50-9b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	10	10	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1010	1334	324	32.1%
1.2%	1009	1217	208	20.7%
2.5%	869	1102	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%	0	10	10	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	899	9	1.0%
9.9%	594	681	87	14.7%
11.1%	571	422	-149	-26.0%
12.3%	446	396	-50	-11.2%
13.6%	444	380	-64	-14.4%
14.8%	414	379	-36	-8.6%
16.0%	309	374	65	21.1%
17.3%	213	65	-148	-69.3%
18.5%	77	48	-29	-37.4%
19.8%	53	45	-8	-14.7%
21.0%	47	38	-9	-18.7%
22.2%	26	29	2	8.1%
23.5%	18	21	3	14.2%
24.7%	10	0	-10	
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	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0			

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

February					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	9355	9340	-15	-0.2%	
1.2%	9304	8874	-431	-4.6%	
2.5%	5144	5202	138	2.7%	
3.7%	3323	3344	21	0.6%	
4.9%	1751	1734	-17	-1.0%	
6.2%	1559	1437	-122	-7.8%	
7.4%	1482	1318	-164	-11.0%	
8.6%	1317	1200	-117	-8.9%	
9.9%	976	880	-96	-9.9%	
11.1%	806	702	-104	-13.0%	
12.3%	682	533	-149	-21.9%	
13.6%	574	531	-44	-7.6%	
14.8%	510	516	5	1.1%	
16.0%	466	383	-83	-17.7%	
17.3%	290	298	8	2.7%	
18.5%	239	249	11	4.6%	
19.8%	236	183	-53	-22.3%	
21.0%	118	96	-22	-18.8%	
22.2%	101	84	-17	-17.2%	
23.5%	38	66	27	70.4%	
24.7%	14	46	32		
25.9%	0	27	27		
27.2%	0	21	21		
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		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

March					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative 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%	47	29	-18	-37.9%	
16.0%	34	17	-18	-52.0%	
17.3%	1	8	7		
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%	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		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

April					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative 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%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	0	0	0		
35.8%	0	0	0		
37.0%	0	0	0		
38.3%	0	0	0		
39.5%	0	0	0		
40.7%	0	0	0		
42.0%	0	0	0		
43.2%	0	0	0		
44.4%	0	0	0		
45.7%	0	0	0		
46.9%	0	0	0		
48.1%	0	0	0		
49.4%	0	0	0		
50.6%	0	0	0		
51.9%	0	0	0		
53.1%	0	0	0		
54.3%	0	0	0		
55.6%	0	0	0		
56.8%	0	0	0		
58.0%	0	0	0		
59.3%	0	0	0		
60.5%	0	0	0		
61.7%	0	0	0		
63.0%	0	0	0		
64.2%	0	0	0		
65.4%	0	0	0		
66.7%	0	0	0		
67.9%	0	0	0		
69.1%	0	0	0		
70.4%	0	0	0		
71.6%	0	0	0		
72.8%	0	0	0		
74.1%	0	0	0		
75.3%	0	0	0		
76.5%	0	0	0		
77.8%	0	0	0		
79.0%	0	0	0		
80.2%	0	0	0		
81.5%	0	0	0		
82.7%	0	0	0		
84.0%	0	0	0		
85.2%	0	0	0		
86.4%	0	0	0		
87.7%	0	0	0		
88.9%	0	0	0		
90.1%	0	0	0		
91.4%	0	0	0		
92.6%	0	0	0		
93.8%	0	0	0		
95.1%	0	0	0		
96.3%	0	0	0		
97.5%	0	0	0		
98.8%	0	0	0		
100.0%	0.0	0.0	0.0		

May					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	0	0	0		
1.2%	0	0	0		
2.5%	0	0	0		
3.7%	0	0	0		
4.9%	0	0	0		
6.2%	0	0	0		
7.4%	0	0	0		
8.6%	0	0	0		
9.9%	0	0	0		
11.1%	0	0	0		
12.3%	0	0	0		
13.6%	0	0	0		
14.8%	0	0	0		
16.0%	0	0	0		
17.3%	0	0	0		
18.5%	0	0	0		
19.8%	0	0	0		
21.0%	0	0	0		
22.2%	0	0	0		
23.5%	0	0	0		
24.7%	0	0	0		
25.9%	0	0	0		
27.2%	0	0	0		
28.4%	0	0	0		
29.6%	0	0	0		
30.9%	0	0	0		
32.1%	0	0	0		
33.3%	0	0	0		
34.5%	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</		

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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
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 ²			6.9%	-4.3%	-5.4%	-6.6%	-0.2%					
Water Year Types ³												
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 62-year simulation period

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

3 Relative difference of the monthly average

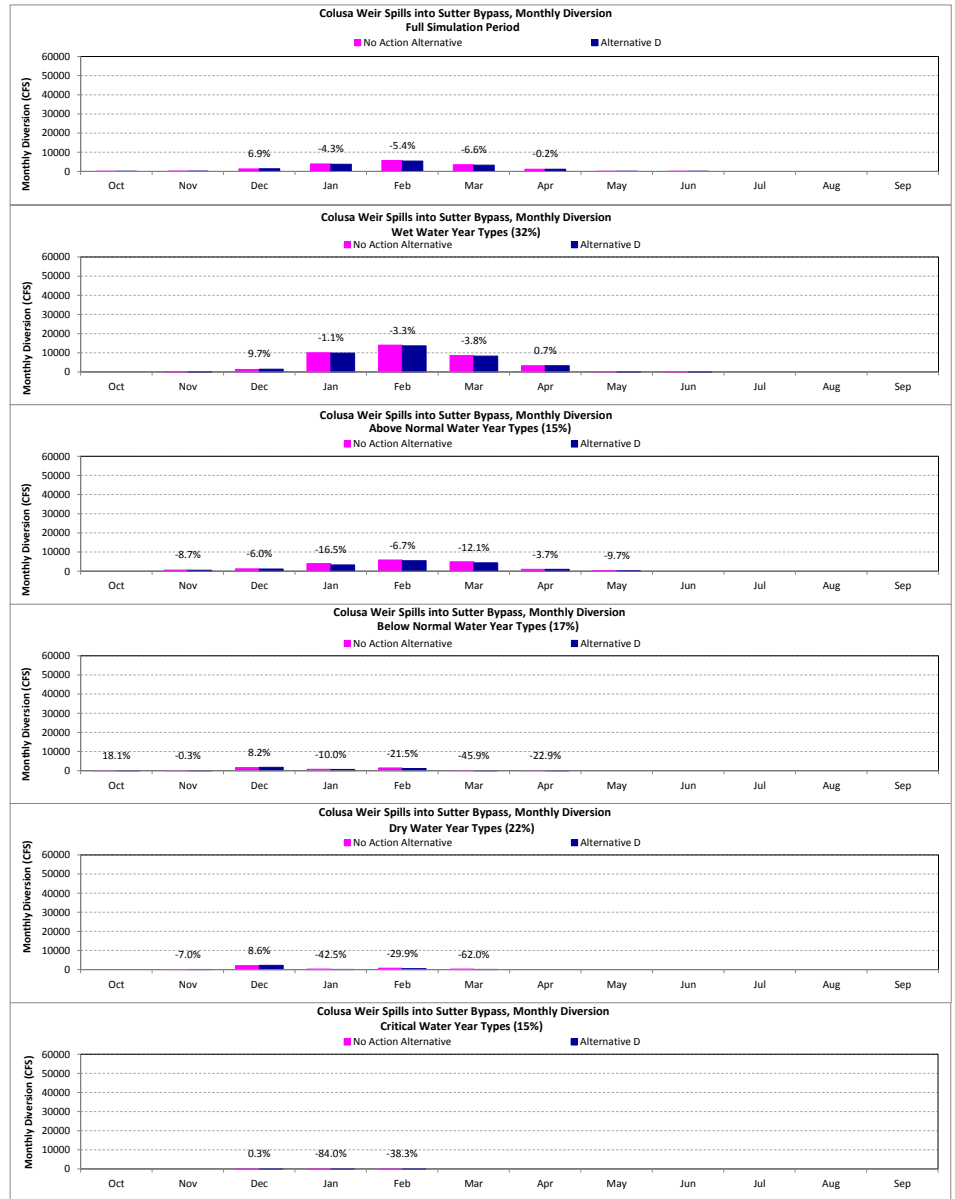


Figure SW-51-9b
Colusa Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

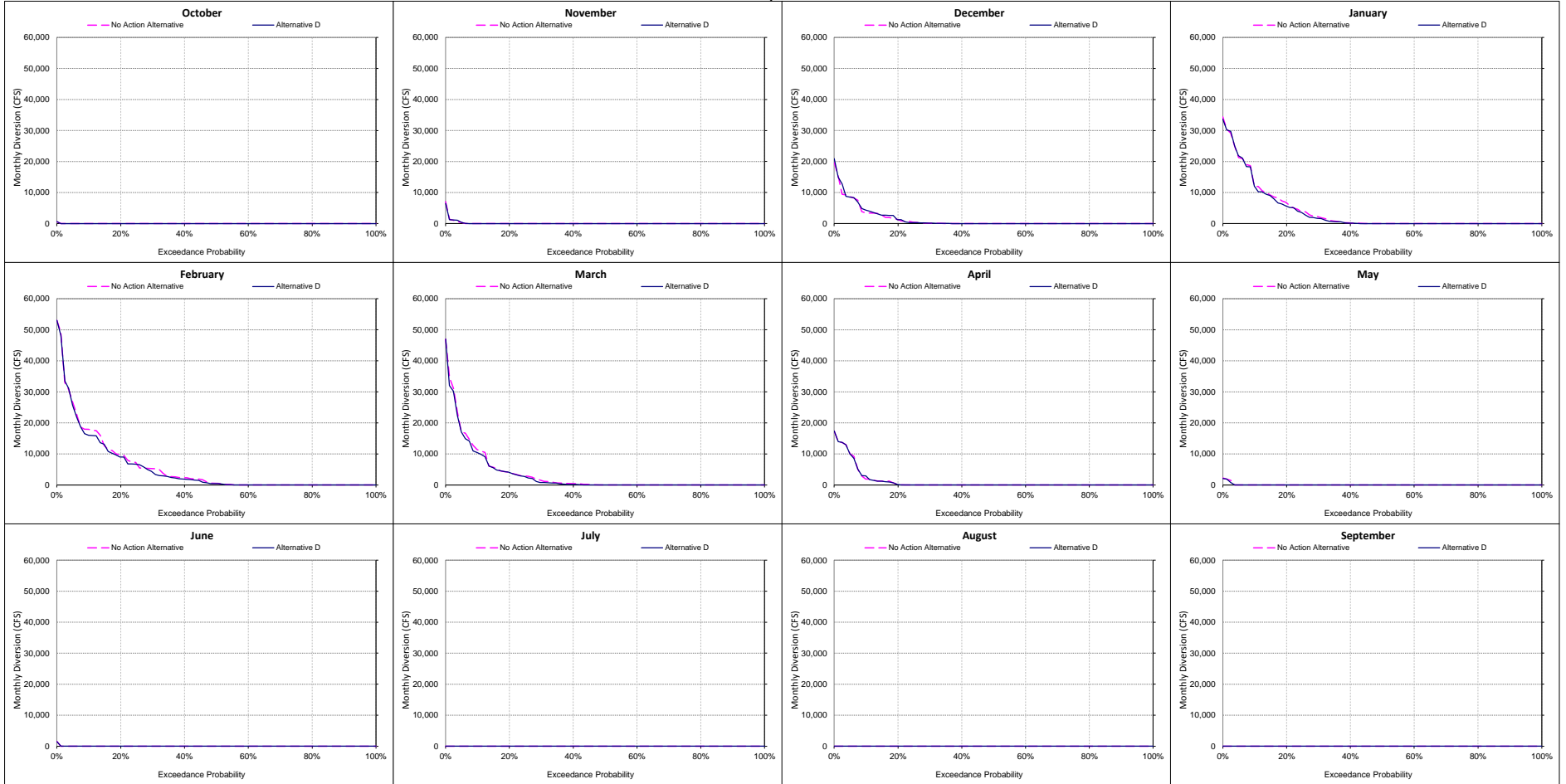


Table SW-51-9b
Colusa Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	559	660	101	18.1%
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7065	6450	-615	-8.7%
1.2%	1342	1248	-94	-7.0%
2.5%	1052	1189	137	13.1%
3.7%	585	1049	464	79.2%
4.9%	318	346	28	8.7%
6.2%	8205	27	27	
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%	840	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	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19690	20932	1242	6.3%
1.2%	15339	14933	-406	-2.6%
2.5%	9438	12079	3241	34.3%
3.7%	8260	8785	+474	+5.1%
4.9%	8690	8524	-167	-1.9%
6.2%	8205	8331	126	1.5%
7.4%	7529	6888	-641	-8.5%
8.6%	3842	4823	980	25.5%
9.9%	3410	4341	931	27.3%
11.1%	3381	3998	616	18.2%
12.3%	3364	3582	219	6.5%
13.6%	3262	3166	-95	-2.9%
14.8%	2761	2721	-40	-1.5%
16.0%	1997	2701	704	35.2%
17.3%	1931	2589	658	34.1%
18.5%	1632	2585	953	58.4%
19.8%	1364	1246	-119	-8.7%
21.0%	840	1217	377	44.9%
22.2%	727	521	-206	-28.3%
23.5%	722	340	-382	-52.9%
24.7%	444	328	-116	-26.2%
25.9%	338	324	-15	-4.4%
27.2%	270	245	-25	-9.2%
28.4%	167	242	75	45.0%
29.6%	136	165	29	21.7%
30.9%	96	159	63	65.1%
32.1%	79	78	-1	-1.8%
33.3%	72	9	-63	-88.1%
34.5%	7	7	0	
35.8%	0	7	7	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34396	33671	-726	-2.1%
1.2%	30467	30154	-313	-1.0%
2.5%	29120	29730	610	2.1%
3.7%	24958	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%
9.9%	11980	12042	62	0.5%
11.1%	11866	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%
24.7%	3793	3530	-263	-6.9%
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	708	-324	-31.4%
34.5%	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%
39.5%	244	151	-93	-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%	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	</

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

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53046	53040	-6	0.0%
1.2%	48189	48096	-1093	-2.2%
2.5%	33033	33483	445	1.3%
3.7%	30755	31177	422	1.4%
4.9%	26703	25697	-1007	-3.8%
6.2%	22915	21957	-958	-4.2%
7.4%	18664	18720	56	0.3%
8.6%	17950	16544	-1406	-7.8%
9.9%	17925	16025	-1909	-10.6%
11.1%	17625	15936	-1689	-9.6%
12.3%	17461	15855	-1606	-9.2%
13.6%	15972	13600	-2372	-14.9%
14.8%	12659	13066	407	3.2%
16.0%	11444	10802	-642	-5.6%
17.3%	11105	10222	-884	-8.0%
18.5%	9984	9695	-289	-2.9%
19.8%	9724	9021	-702	-7.2%
21.0%	9497	8958	-539	-5.7%
22.2%	7924	6772	-1152	-14.5%
23.5%	7401	6741	-660	-8.9%
24.7%	7267	6663	-605	-8.3%
25.9%	5435	6037	602	11.1%
27.2%	5428	5797	369	6.8%
28.4%	5342	4992	-350	-6.6%
29.6%	5275	4391	-884	-16.8%
30.9%	5208	3374	-1834	-35.2%
32.1%	4843	2977	-1866	-38.8%
33.3%	3667	2878	-789	-21.5%
34.5%	2783	2778	-5	-0.2%
35.8%	2667	2415	-252	-9.4%
37.0%	2603	2253	-350	-13.5%
38.3%	2391	1947	-444	-18.6%
39.5%	2311	1865	-446	-19.3%
40.7%	2307	1829	-478	-20.7%
42.0%	1990	1726	-264	-13.3%
43.2%	1940	1558	-381	-19.7%
44.4%	1906	1430	-476	-25.0%
45.7%	1681	822	-859	-51.1%
46.9%	983	696	-287	-29.2%
48.1%	553	457	-96	-17.2%
49.4%	534	415	-119	-22.2%
50.6%	498	394	-104	-20.8%
51.9%	290	275	-15	-5.2%
53.1%	160	99	-62	-38.8%
54.3%	145	93	-52	-35.9%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46969	46973	5	0.0%
1.2%	34582	32042	-2541	-7.3%
2.5%	31132	30191	-941	-3.1%
3.7%	23411	22364	-1047	-4.5%
4.9%	17043	17021	-22	-0.1%
6.2%	16703	14873	-1830	-11.0%
7.4%	14755	14153	-602	-4.1%
8.6%	12737	10987	-1750	-13.7%
9.9%	11398	10466	-932	-8.2%
11.1%	10899	9869	-1030	-9.5%
12.3%	10493	9088	-1405	-13.4%
13.6%	6055	6052	-3	0.0%
14.8%	5729	5544	-185	-3.2%
16.0%	5270	4767	-503	-9.6%
17.3%	4505	4503	-2	0.0%
18.5%	4280	4285	5	0.1%
19.8%	4180	4142	-38	-0.9%
21.0%	3669	3590	-79	-2.2%
22.2%	3346	3273	-72	-2.2%
23.5%	3001	2885	-116	-3.9%
24.7%	2925	2750	-175	-6.0%
25.9%	1037	2759	1722	166.1%
27.2%	2475	2087	-388	-15.7%
28.4%	1861	1103	-758	-40.7%
29.6%	1574	787	-787	-50.0%
30.9%	1139	763	-376	-33.0%
32.1%	1074	662	-411	-38.3%
33.3%	917	594	-323	-35.2%
34.5%	654	592	-61	-9.4%
35.8%	590	348	-242	-41.0%
37.0%	571	254	-318	-55.6%
38.3%	477	216	-261	-54.8%
39.5%	421	170	-251	-59.6%
40.7%	400	158	-242	-60.6%
42.0%	369	121	-248	-67.1%
43.2%	202	43	-158	-78.5%
44.4%	196	29	-167	-85.2%
45.7%	48	0	-48	-100.0%
46.9%	39	0	-39	-100.0%
48.1%	1	0	-1	-100.0%
49.4%	0	0	0	0.0%
50.6%	0	0	0	0.0%
51.9%	0	0	0	0.0%
53.1%	0	0	0	0.0%
54.3%	0	0	0	0.0%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17385	17422	37	0.2%
1.2%	13969	13981	12	0.1%
2.5%	13675	13691	16	0.1%
3.7%	12966	12970	4	0.0%
4.9%	10049	10048	-1	0.0%
6.2%	9208	8578	-630	-6.8%
7.4%	5026	5028	2	0.0%
8.6%	2869	2967	118	4.1%
9.9%	1890	2680	990	52.4%
11.1%	1857	1739	-118	-6.3%
12.3%	1459	1468	9	0.6%
13.6%	1283	1243	-40	-3.2%
14.8%	1259	1224	-35	-2.8%
16.0%	1251	1035	-217	-17.3%
17.3%	1206	965	-240	-19.9%
18.5%	659	657	-2	-0.3%
19.8%	213	167	-46	-21.5%
21.0%	48	47	-1	-2.1%
22.2%	10	0	-10	-100.0%
23.5%	0	0	0	0.0%
24.7%	0	0	0	0.0%
25.9%	0	0	0	0.0%
27.2%	0	0	0	0.0%
28.4%	0	0	0	0.0%
29.6%	0	0	0	0.0%
30.9%	0	0	0	0.0%
32.1%	0	0	0	0.0%
33.3%	0	0	0	0.0%
34.5%	0	0	0	0.0%
35.8%	0	0	0	0.0%
37.0%	0	0	0	0.0%
38.3%	0	0	0	0.0%
39.5%	0	0	0	0.0%
40.7%	0	0	0	0.0%
42.0%	0	0	0	0.0%
43.2%	0	0	0	0.0%
44.4%	0	0	0	0.0%
45.7%	0	0	0	0.0%
46.9%	0	0	0	0.0%
48.1%	0	0	0	0.0%
49.4%	0	0	0	0.0%
50.6%	0	0	0	0.0%
51.9%	0	0	0	0.0%
53.1%	0	0	0	0.0%
54.3%	0	0	0	0.0%
55.6%	0	0	0	0.0%
56.8%	0	0	0	0.0%
58.0%	0	0	0	0.0%
59.3%	0	0	0	0.0%
60.5%	0	0	0	0.0%
61.7%	0	0	0	0.0%
63.0%	0	0	0	0.0%
64.2%	0	0	0	0.0%
65.4%	0	0	0	0.0%
66.7%	0	0	0	0.0%
67.9%	0	0	0	0.0%
69.1%	0	0	0	0.0%
70.4%	0	0	0	0.0%
71.6%	0	0	0	0.0%
72.8%	0	0	0	0.0%
74.1%	0	0	0	0.0%
75.3%	0	0	0	0.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0.0	0.0	0.0	0.0

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2239	2022	-217	-9.7%
1.2%	1860	1861	1	0.0%
2.5%	1459	807	-651	-44.7%
3.7%	0	0	0	0.0%
4.9%	0	0	0	0.0%
6.2%	0	0	0	0.0%
7.4%	0	0	0	0.0%
8.6%	0	0	0	0.0%
9.9%	0	0	0	0.0%
11.1%	0	0	0	0.0%
12.3%	0	0	0	0.0%
13.6%	0	0	0	0.0%
14.8%	0	0	0	0.0%
16.0%	0	0	0	0.0%
17.3%	0	0	0	0.0%
18.5%	0	0	0	0.0%
19.8%	0	0	0	0.0%
21.0%	0	0	0	0.0%
22.2%	0	0	0	0.0%
23.5%	0	0	0	0.0%
24.7%	0	0	0	0.0%
25.9%	0	0	0	0.0%
27.2%	0	0	0	0.0%
28.4%	0	0	0	0.0%
29.6%	0	0	0	0.0%
30.9%	0	0	0	0.0%
32.1%	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

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Long-term											
Full Simulation Period¹												
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 ²		-8.6%	-2.5%	-4.8%	-5.6%	-8.3%	-3.2%	-11.1%				
Water Year Types³												
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 62-year simulation period

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

3 Relative difference of the monthly average

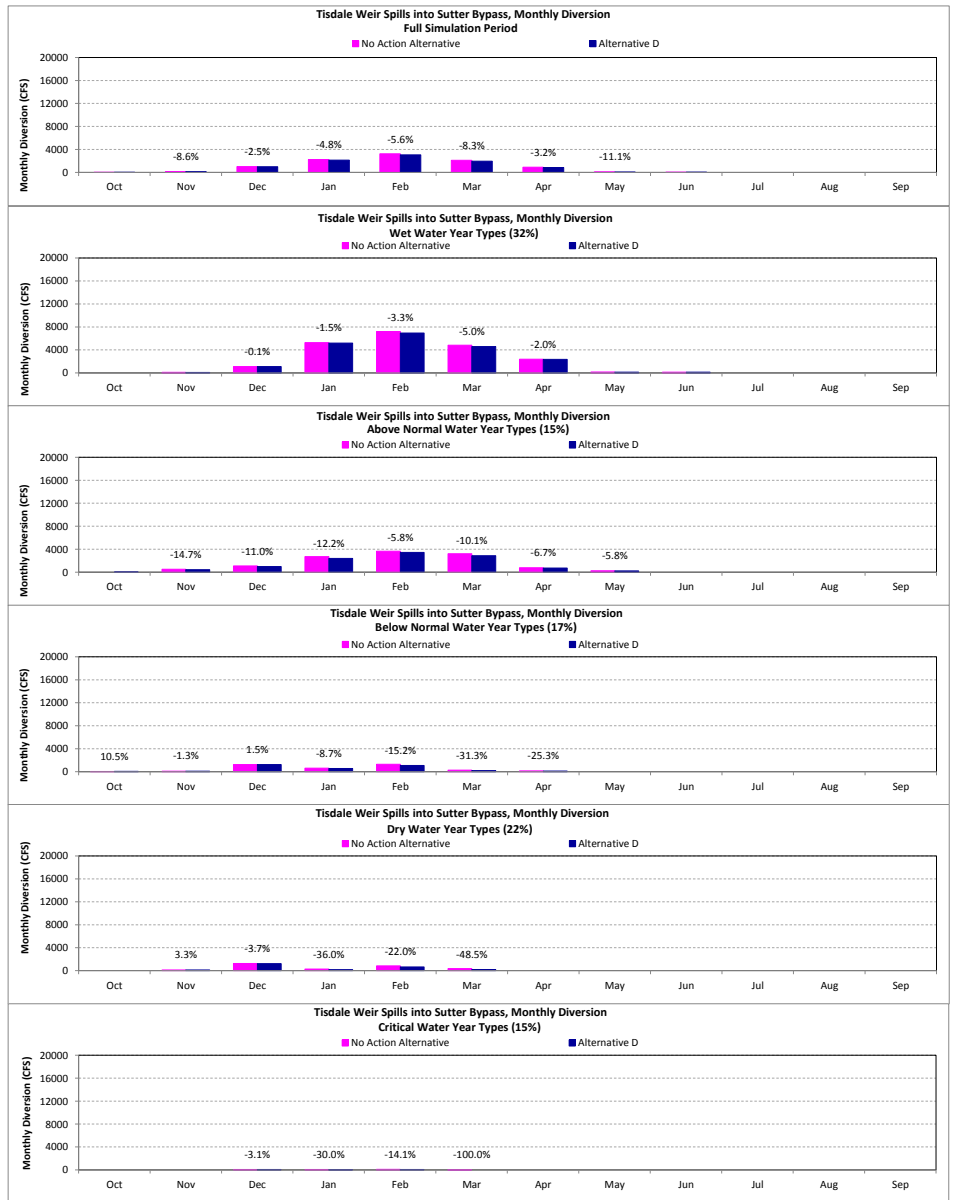


Figure SW-52-9b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

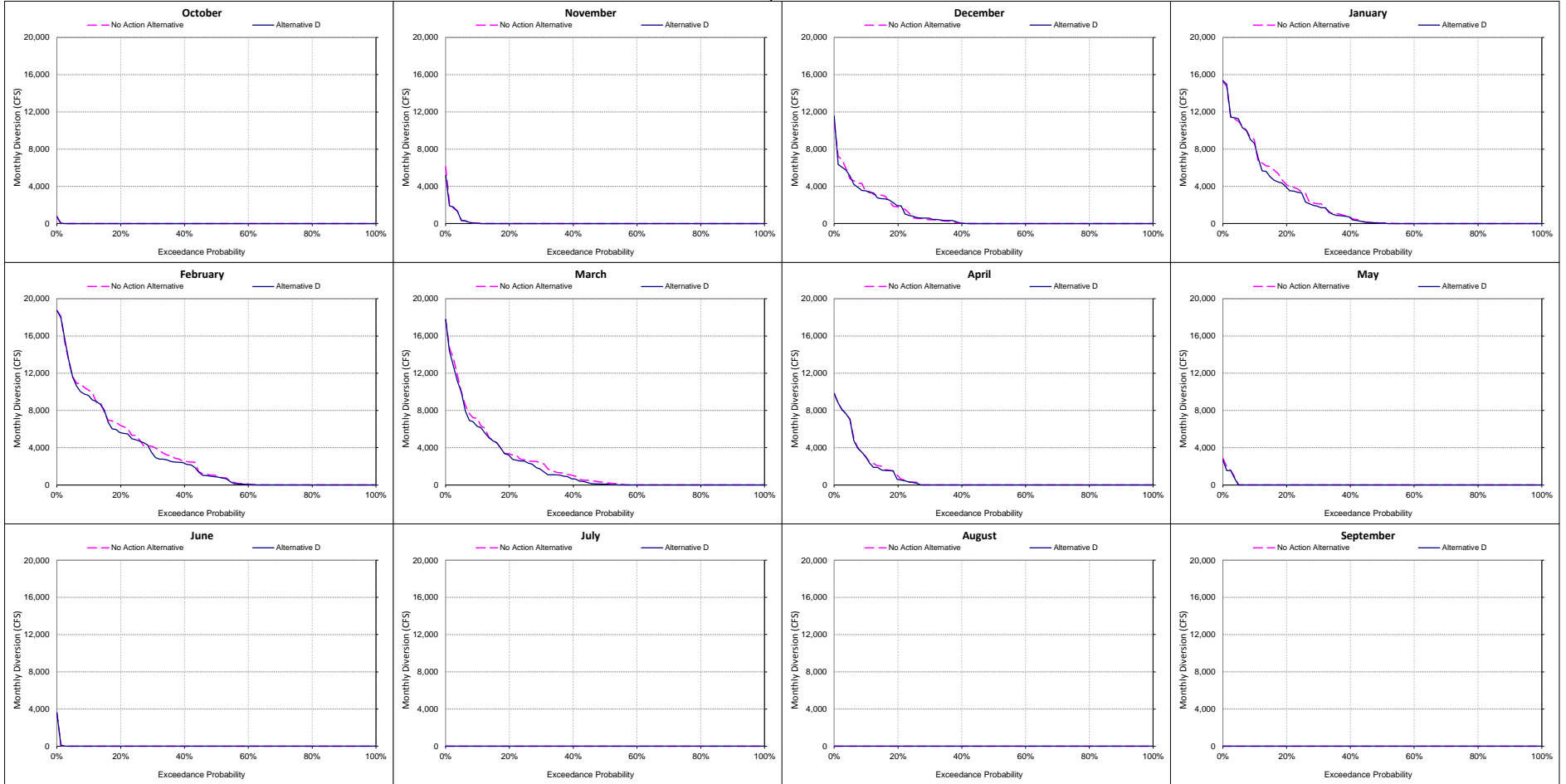


Table SW-52-9b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	685	757	72	10.5%
1.2%	0	31	31	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6110	5180	-930	-15.2%
1.2%	2168	1907	-261	-12.0%
2.5%	1645	1775	130	7.9%
3.7%	1333	1332	-1	-0.1%
4.9%	334	333	-1	-0.2%
6.2%	314	268	-47	-14.8%
7.4%	77	118	41	53.5%
8.6%	32	65	33	102.7%
9.9%	29	46	17	59.3%
11.1%	15	0	-15	-100.0%
12.3%	6	0	-6	
13.6%	4	0	-4	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10781	11568	788	7.3%
1.2%	7215	6347	-868	-12.0%
2.5%	6252	6037	-215	-3.4%
3.7%	5913	5741	-172	-2.9%
4.9%	4807	5118	311	6.5%
6.2%	4589	4197	-392	-8.5%
7.4%	4335	3895	-440	-10.1%
8.6%	4324	3552	-772	-17.9%
9.9%	3467	3514	48	1.4%
11.1%	3452	3337	-115	-3.3%
12.3%	3136	3304	168	5.4%
13.6%	3069	2764	-305	-9.9%
14.8%	3047	2657	-390	-12.8%
16.0%	2933	2644	-290	-9.9%
17.3%	2353	2515	162	6.9%
18.5%	1860	2251	391	21.0%
19.8%	1805	1923	118	6.5%
21.0%	1607	1899	292	18.2%
22.2%	1526	999	-526	-34.5%
23.5%	1138	871	-267	-23.5%
24.7%	628	780	152	24.2%
25.9%	537	631	94	17.4%
27.2%	534	599	65	12.1%
28.4%	501	573	71	14.3%
29.6%	411	572	162	39.4%
30.9%	404	451	46	11.5%
32.1%	398	438	41	10.2%
33.3%	330	400	70	21.2%
34.5%	278	333	55	19.9%
35.8%	251	319	68	26.9%
37.0%	210	317	106	50.4%
38.3%	88	192	104	118.7%
39.5%	50	41	-9	
40.7%	16	17	1	
42.0%	13	0	-13	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15256	15365	109	0.7%
1.2%	14749	14959	211	1.4%
2.5%	11425	11420	-4	0.0%
3.7%	11244	11362	118	1.0%
4.9%	10953	11271	318	2.9%
6.2%	10456	10283	-173	-1.7%
7.4%	10022	10005	-18	-0.2%
8.6%	9259	9045	-214	-2.3%
9.9%	9014	8630	-383	-4.3%
11.1%	8571	7018	-447	-5.2%
12.3%	6512	5677	-835	-12.8%
13.6%	6193	5621	-571	-9.2%
14.8%	6139	5026	-1113	-18.1%
16.0%	5743	4661	-1082	-18.8%
17.3%	5398	4458	-939	-17.4%
18.5%	4727	4350	-377	-8.0%
19.8%	4232	3983	-249	-5.9%
21.0%	3952	3524	-428	-10.8%
22.2%	3881	3488	-393	-10.1%
23.5%	3723	3367	-356	-9.6%
24.7%	3397	3304	-93	-2.7%
25.9%	3286	2289	-997	-29.3%
27.2%	2265	2129	-136	-6.0%
28.4%	2209	1963	-246	-11.1%
29.6%	2125	1879	-246	-11.6%
30.9%	2108	1706	-403	-19.1%
32.1%	1700	1703	4	0.2%
33.3%	1161	1240	80	6.9%
34.5%	1085	983	-102	-9.4%
35.8%	1066	879	-187	-17.5%
37.0%	977	839	-138	-14.2%
38.3%	836	782	-54	-6.5%
39.5%	824	736	-88	-10.7%
40.7%	482	384	-98	-20.3%
42.0%	451	323	-128	-28.4%
43.2%	319	237	-81	-25.5%
44.4%	174	144	-29	-16.9%
45.7%	103	143	40	
46.9%	98	91	-7	
48.1%	96	61	-35	
49.4%	55	38	-18	
50.6%	42	34	-8	
51.9%	35	0	-35	
53.1%	12	0	-12	
54.3%	2	0	-2	
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		

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

February					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	18736	18734	-3	0.0%	
1.2%	18159	17958	-201	-1.1%	
2.5%	15350	15350	0	0.0%	
3.7%	13328	13488	158	1.2%	
4.9%	11640	11619	-21	-0.2%	
6.2%	10925	10615	-309	-2.8%	
7.4%	10864	10023	-841	-7.7%	
8.6%	10452	9750	-703	-6.7%	
9.9%	10203	9526	-677	-6.7%	
11.1%	9890	9131	-759	-7.7%	
12.3%	8871	9002	131	1.5%	
13.6%	8858	8880	-177	-2.0%	
14.8%	7839	8084	245	3.1%	
16.0%	6949	6724	-225	-3.2%	
17.3%	6880	6016	-864	-12.6%	
18.5%	6738	5863	-775	-11.5%	
19.8%	6425	5631	-793	-12.4%	
21.0%	6243	5545	-697	-11.2%	
22.2%	6027	5491	-536	-8.9%	
23.5%	5332	4954	-379	-7.1%	
24.7%	5325	4838	-487	-9.1%	
25.9%	4823	4719	-104	-2.1%	
27.2%	4221	4535	313	7.4%	
28.4%	4202	4305	103	2.4%	
29.6%	4164	3502	-662	-15.9%	
30.9%	3976	2947	-1029	-25.9%	
32.1%	3709	2779	-930	-25.1%	
33.3%	3408	2774	-635	-18.6%	
34.5%	3214	2675	-539	-16.8%	
35.8%	3121	2517	-605	-19.4%	
37.0%	2867	2446	-421	-14.7%	
38.3%	2787	2414	-374	-13.4%	
39.5%	2531	2399	-133	-5.2%	
40.7%	2503	2194	-308	-12.3%	
42.0%	2452	2177	-275	-11.2%	
43.2%	2444	1897	-547	-22.4%	
44.4%	1429	1376	-52	-3.7%	
45.7%	1202	1040	-162	-13.5%	
46.9%	1153	1001	-153	-13.2%	
48.1%	1064	932	-132	-12.4%	
49.4%	1053	879	-174	-16.5%	
50.6%	866	831	-36	-4.1%	
51.9%	776	731	-45	-5.8%	
53.1%	754	658	-96	-12.8%	
54.3%	382	348	-34	-8.9%	
55.6%	274	144	-130	-47.5%	
55.8%	149	109	-39	-26.2%	
58.0%	137	90	-46	-33.6%	
59.3%	131	64	-67	-50.4%	
60.5%	53	35	-19	-35.8%	
61.7%	31	9	-22	-71.0%	
63.0%	21	0	-21	-100.0%	
64.2%	1	0	-1	-100.0%	
65.4%	0	0	0	0.0%	
66.7%	0	0	0	0.0%	
67.9%	0	0	0	0.0%	
69.1%	0	0	0	0.0%	
70.4%	0	0	0	0.0%	
71.6%	0	0	0	0.0%	
72.8%	0	0	0	0.0%	
74.1%	0	0	0	0.0%	
75.3%	0	0	0	0.0%	
76.5%	0	0	0	0.0%	
77.8%	0	0	0	0.0%	
79.0%	0	0	0	0.0%	
80.2%	0	0	0	0.0%	
81.5%	0	0	0	0.0%	
82.7%	0	0	0	0.0%	
84.0%	0	0	0	0.0%	
85.2%	0	0	0	0.0%	
86.4%	0	0	0	0.0%	
87.7%	0	0	0	0.0%	
88.9%	0	0	0	0.0%	
90.1%	0	0	0	0.0%	
91.4%	0	0	0	0.0%	
92.6%	0	0	0	0.0%	
93.8%	0	0	0	0.0%	
95.1%	0	0	0	0.0%	
96.3%	0	0	0	0.0%	
97.5%	0	0	0	0.0%	
98.8%	0	0	0	0.0%	
100.0%	0.0	0.0	0.0	0.0%	

March					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	17777	17778	1	0.0%	
1.2%	14705	14384	-321	-2.2%	
2.5%	13585	12772	-814	-6.0%	
3.7%	11791	11163	-628	-5.3%	
4.9%	9970	9961	-9	-0.1%	
6.2%	8585	7923	-662	-7.7%	
7.4%	7690	6928	-762	-9.9%	
8.6%	7209	6801	-408	-5.7%	
9.9%	7184	6304	-880	-12.2%	
11.1%	6322	6129	-193	-3.1%	
12.3%	6110	5123	-987	-16.2%	
13.6%	5093	5093	0	0.0%	
14.8%	4819	4738	-81	-1.7%	
16.0%	4524	4529	4	0.1%	
17.3%	3954	3959	5	0.1%	
18.5%	3390	3346	-44	-1.3%	
19.8%	3359	3234	-125	-3.7%	
21.0%	3225	2744	-481	-14.9%	
22.2%	3184	2645	-539	-16.9%	
23.5%	2752	2583	-169	-6.1%	
24.7%	2704	2582	-122	-4.5%	
25.9%	2623	2324	-299	-11.4%	
27.2%	2543	2217	-326	-12.8%	
28.4%	2531	1851	-680	-26.9%	
29.6%	2375	1706	-669	-28.2%	
30.9%	2249	1410	-839	-37.3%	
32.1%	1701	1088	-613	-35.5%	
33.3%	1587	1086	-481	-30.7%	
34.5%	1365	1076	-289	-21.2%	
35.8%	1304	1047	-257	-19.7%	
37.0%	1266	950	-316	-25.0%	
38.3%	1110	890	-220	-19.8%	
39.5%	1051	666	-385	-36.6%	
40.7%	935	639	-296	-31.6%	
42.0%	598	408	-190	-31.8%	
43.2%	508	373	-135	-26.6%	
44.4%	504	267	-237	-47.1%	
45.7%	416	141	-276	-66.2%	
46.9%	406	123	-284	-69.8%	
48.1%	333	108	-225	-67.7%	
49.4%	302	82	-220	-72.9%	
50.6%	217	77	-140	-64.4%	
51.9%	171	38	-133	-77.6%	
53.1%	156	18	-138	-88.4%	
54.3%	95	0	-95	-100.0%	
55.6%	33	0	-33	-100.0%	
55.8%	0	0	0	0.0%	
58.0%	0	0	0	0.0%	
59.3%	0	0	0	0.0%	
60.5%	0	0	0	0.0%	
61.7%	0	0	0	0.0%	
63.0%	0	0	0	0.0%	
64.2%	0	0	0	0.0%	
65.4%	0	0	0	0.0%	
66.7%	0	0	0	0.0%	
67.9%	0	0	0	0.0%	
69.1%	0	0	0	0.0%	
70.4%	0	0	0	0.0%	
71.6%	0	0	0	0.0%	
72.8%	0	0	0	0.0%	
74.1%	0	0	0	0.0%	
75.3%	0	0	0	0.0%	
76.5%	0	0	0	0.0%	
77.8%	0	0	0	0.0%	
79.0%	0	0	0	0.0%	
80.2%	0	0	0	0.0%	
81.5%	0	0	0	0.0%	
82.7%	0	0	0	0.0%	
84.0%	0	0	0	0.0%	
85.2%	0	0	0	0.0%	
86.4%	0	0	0	0.0%	
87.7%	0	0	0	0.0%	
88.9%	0	0	0	0.0%	
90.1%	0	0	0	0.0%	
91.4%	0	0	0	0.0%	
92.6%	0	0	0	0.0%	
93.8%	0	0	0	0.0%	
95.1%	0	0	0	0.0%	
96.3%	0	0	0	0.0%	
97.5%	0	0	0	0.0%	
98.8%	0	0	0	0.0%	
100.0%	0.0	0.0	0.0	0.0%	

April					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	9875	9783	-92	-0.9%	
1.2%	8796	8798	2	0.0%	
2.5%	6066	6069	24	0.3%	
3.7%	7657	7660	2	0.0%	
4.9%	7057	7057	0	0.0%	
6.2%	4953	4729	-224	-4.5%	
7.4%	3949	3951	3	0.1%	
8.6%	3511	3516	5	0.1%	
9.9%	3009	3014	5	0.2%	
11.1%	2471	2354	-117	-4.7%	
12.3%	2286	1896	-390	-17.0%	
13.6%	2059	1887	-171	-8.3%	
14.8%	2027	1594	-432	-21.3%	
16.0%	1642	1538	-103	-6.3%	
17.3%	1579	1529	-50	-3.2%	
18.5%	1525	1489	-36	-2.4%	
19.8%	1066	595	-471	-44.2%	
21.0%	595	513	-82	-13.8%	
22.2%	547	434	-113	-20.7%	
23.5%	310	308	-2	-0.6%	
24.7%	305	262	-43	-14.0%	
25.9%	274	173	-101	-36.9%	
27.2%	7	4	-3	-42.9%	
28.4%	0	0	0	0.0%	
29.6%	0	0	0	0.0%	
30.9%	0	0	0	0.0%	
32.1%	0	0	0	0.0%	
33.3%	0	0	0	0.0%	
34.5%	0	0	0	0.0%	
35.8%	0	0	0	0.0%	
37.0%	0	0	0	0.0%	
38.3%	0	0	0	0.0%	
39.5%	0	0	0	0.0%	
40.7%	0	0	0	0.0%	
42.0%	0	0	0	0.0%	
43.2%	0	0	0	0.0%	
44.4%	0	0	0	0.0%	
45.7%	0	0	0	0.0%	
46.9%	0	0	0	0.0%	
48.1%	0	0	0	0.0%	
49.4%	0	0	0	0.0%	
50.6%	0	0	0	0.0%	
51.9%	0	0	0	0.0%	
53.1%	0	0	0	0.0%	
54.3%	0	0	0	0.0%	
55.6%	0	0	0	0.0%	
55.8%	0	0	0	0.0%	
58.0%	0	0	0	0.0%	
59.3%	0	0	0	0.0%	
60.5%	0	0	0	0.0%	
61.7%	0	0	0	0.0%	
63.0%	0	0	0	0.0%	
64.2%	0	0	0	0.0%	
65.4%	0	0	0	0.0%	
66.7%	0	0	0	0.0%	
67.9%	0	0	0	0.0%	
69.1%	0	0	0	0.0%	
70.4%	0	0	0	0.0%	
71.6%	0	0	0	0.0%	
72.8%	0	0	0	0.0%	
74.1%	0	0	0	0.0%	
75.3%	0	0	0	0.0%	
76.5%	0	0	0	0.0%	
77.8%	0	0	0	0.0%	
79.0%	0	0	0	0.0%	
80.2%	0	0	0	0.0%	
81.5%	0	0	0	0.0%	
82.7%	0	0	0	0.0%	
84.0%	0	0	0	0.0%	
85.2%	0	0	0	0.0%	
86.4%	0	0	0	0.0%	
87.7%	0	0	0	0.0%	
88.9%	0	0	0	0.0%	
90.1%	0	0	0	0.0%	
91.4%	0	0	0	0.0%	
92.6%	0	0	0	0.0%	
93.8%	0	0	0	0.0%	
95.1%	0	0	0	0.0%	
96.3%	0	0	0	0.0%	
97.5%	0	0	0	0.0%	
98.8%	0	0	0	0.0%	
100.0%	0.0	0.0	0.0	0.0%	

May					
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	289				

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

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3625	3568	-56	-1.6%
1.2%	97	118	22	22.3%
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.5%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0			