

**Trinity and Sacramento River Basin Operations**  
Summary Tables and Bar Charts

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

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	1,101	1,103	1,217	1,387	1,558	1,697	1,814	1,689	1,572	1,414	1,264	1,152
WSIP 2070 With Project	1,097	1,099	1,214	1,387	1,560	1,701	1,819	1,693	1,579	1,425	1,265	1,149
Difference	-4	-5	-2	0	1	4	5	5	8	11	1	-3
Percent Difference <sup>2</sup>	-0.3%	-0.4%	-0.2%	0.0%	0.1%	0.3%	0.3%	0.3%	0.5%	0.8%	0.1%	-0.3%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,365	1,334	1,450	1,694	1,898	2,030	2,184	2,058	1,896	1,745	1,602	1,456
WSIP 2070 With Project	1,337	1,302	1,423	1,681	1,892	2,027	2,181	2,056	1,890	1,747	1,589	1,434
Difference	-29	-33	-27	-13	-6	-3	-3	-3	-6	2	-14	-22
Percent Difference	-2.1%	-2.4%	-1.9%	-0.7%	-0.3%	-0.1%	-0.1%	-0.1%	-0.3%	0.1%	-0.9%	-1.5%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,368	1,356	1,425	1,537	1,798	1,975	2,127	1,968	1,857	1,700	1,555	1,420
WSIP 2070 With Project	1,340	1,333	1,406	1,529	1,792	1,983	2,135	1,975	1,874	1,716	1,541	1,395
Difference	-28	-24	-19	-8	-6	8	8	8	17	16	-14	-25
Percent Difference	-2.0%	-1.7%	-1.4%	-0.5%	-0.3%	0.4%	0.4%	0.4%	0.9%	1.0%	-0.9%	-1.8%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,154	1,181	1,303	1,376	1,523	1,680	1,817	1,697	1,600	1,443	1,279	1,181
WSIP 2070 With Project	1,147	1,176	1,300	1,369	1,516	1,672	1,810	1,691	1,597	1,443	1,272	1,170
Difference	-7	-4	-3	-7	-7	-9	-7	-7	-3	0	-7	-11
Percent Difference	-0.6%	-0.4%	-0.2%	-0.5%	-0.5%	-0.5%	-0.4%	-0.4%	-0.2%	0.0%	-0.5%	-0.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	881	913	1,075	1,198	1,350	1,505	1,591	1,453	1,345	1,168	994	903
WSIP 2070 With Project	889	921	1,080	1,213	1,369	1,522	1,608	1,471	1,364	1,186	1,010	913
Difference	8	8	5	15	19	17	17	17	19	18	15	10
Percent Difference	0.9%	0.9%	0.5%	1.2%	1.4%	1.1%	1.1%	1.2%	1.4%	1.6%	1.5%	1.1%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	593	604	664	914	988	1,057	1,095	1,016	954	815	701	627
WSIP 2070 With Project	650	657	719	931	993	1,068	1,105	1,024	977	840	731	673
Difference	56	52	54	17	6	11	9	9	23	25	31	47
Percent Difference	9.5%	8.7%	8.2%	1.8%	0.6%	1.0%	0.9%	0.9%	2.4%	3.1%	4.4%	7.5%

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

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

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



Table SW-02-a  
Trinity Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	2,261	2,261	2,273	2,290	2,305	2,317	2,325	2,316	2,307	2,292	2,277	2,266
WSIP 2070 With Project	2,261	2,262	2,274	2,290	2,306	2,318	2,326	2,317	2,307	2,293	2,278	2,266
Difference	1	1	1	1	1	1	1	1	1	1	1	1
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	2,291	2,288	2,298	2,319	2,336	2,345	2,355	2,347	2,335	2,323	2,311	2,299
WSIP 2070 With Project	2,288	2,285	2,296	2,317	2,336	2,345	2,355	2,347	2,335	2,323	2,310	2,296
Difference	-3	-3	-2	-1	0	0	0	0	-1	0	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	2,291	2,290	2,296	2,304	2,327	2,341	2,350	2,340	2,332	2,319	2,307	2,296
WSIP 2070 With Project	2,289	2,288	2,294	2,303	2,327	2,342	2,351	2,341	2,334	2,321	2,306	2,293
Difference	-2	-2	-2	0	0	1	1	1	1	1	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	-0.1%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2,271	2,274	2,285	2,291	2,304	2,318	2,328	2,319	2,311	2,298	2,283	2,274
WSIP 2070 With Project	2,271	2,274	2,285	2,291	2,304	2,317	2,328	2,319	2,311	2,298	2,283	2,273
Difference	-1	0	0	0	0	-1	0	-1	0	0	0	-1
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	2,239	2,243	2,260	2,274	2,288	2,303	2,310	2,298	2,288	2,271	2,253	2,242
WSIP 2070 With Project	2,240	2,244	2,261	2,276	2,291	2,304	2,312	2,300	2,290	2,274	2,255	2,243
Difference	1	1	1	2	2	2	2	2	2	2	2	1
Percent Difference	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	2,192	2,192	2,205	2,239	2,249	2,258	2,262	2,253	2,246	2,225	2,208	2,198
WSIP 2070 With Project	2,205	2,206	2,216	2,243	2,251	2,260	2,264	2,255	2,249	2,230	2,215	2,209
Difference	13	14	11	4	2	2	1	1	3	5	6	11
Percent Difference	0.6%	0.6%	0.5%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.5%

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

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

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



Table SW-03-a  
Trinity Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	9,466	9,483	10,163	11,124	12,036	12,733	13,273	12,688	12,120	11,269	10,420	9,767
WSIP 2070 With Project	9,462	9,479	10,165	11,145	12,060	12,770	13,308	12,722	12,174	11,342	10,438	9,767
Difference	-4	-4	2	21	24	37	34	34	54	73	19	0
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.2%	0.2%	0.3%	0.3%	0.3%	0.4%	0.6%	0.2%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	11,131	10,946	11,587	12,815	13,830	14,398	15,033	14,515	13,819	13,115	12,414	11,640
WSIP 2070 With Project	10,959	10,756	11,426	12,764	13,804	14,386	15,022	14,502	13,791	13,118	12,329	11,511
Difference	-172	-190	-161	-52	-26	-12	-12	-13	-29	3	-85	-129
Percent Difference	-1.5%	-1.7%	-1.4%	-0.4%	-0.2%	-0.1%	-0.1%	-0.1%	-0.2%	0.0%	-0.7%	-1.1%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	11,159	11,101	11,463	11,981	13,276	14,103	14,751	14,073	13,612	12,888	12,182	11,468
WSIP 2070 With Project	11,003	10,970	11,356	11,952	13,260	14,157	14,797	14,126	13,697	12,989	12,121	11,329
Difference	-156	-130	-107	-29	-16	54	46	53	85	100	-61	-139
Percent Difference	-1.4%	-1.2%	-0.9%	-0.2%	-0.1%	0.4%	0.3%	0.4%	0.6%	0.8%	-0.5%	-1.2%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	9,911	10,077	10,797	11,184	11,951	12,763	13,446	12,923	12,431	11,598	10,663	10,073
WSIP 2070 With Project	9,872	10,054	10,778	11,151	11,930	12,733	13,427	12,895	12,426	11,604	10,630	10,007
Difference	-39	-23	-19	-33	-20	-30	-19	-28	-5	6	-34	-66
Percent Difference	-0.4%	-0.2%	-0.2%	-0.3%	-0.2%	-0.2%	-0.1%	-0.2%	0.0%	0.1%	-0.3%	-0.7%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	8,122	8,327	9,329	10,127	11,037	11,902	12,353	11,637	11,021	9,961	8,864	8,274
WSIP 2070 With Project	8,175	8,379	9,369	10,229	11,160	12,006	12,449	11,739	11,138	10,083	8,964	8,337
Difference	53	52	40	102	123	104	96	102	117	122	100	63
Percent Difference	0.7%	0.6%	0.4%	1.0%	1.1%	0.9%	0.8%	0.9%	1.1%	1.2%	1.1%	0.8%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	6,065	6,117	6,589	8,271	8,771	9,225	9,452	8,958	8,563	7,607	6,812	6,308
WSIP 2070 With Project	6,510	6,556	7,004	8,418	8,824	9,311	9,530	9,029	8,728	7,798	7,049	6,682
Difference	445	439	415	148	53	86	78	71	166	191	237	374
Percent Difference	7.3%	7.2%	6.3%	1.8%	0.6%	0.9%	0.8%	0.8%	1.9%	2.5%	3.5%	5.9%

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

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

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

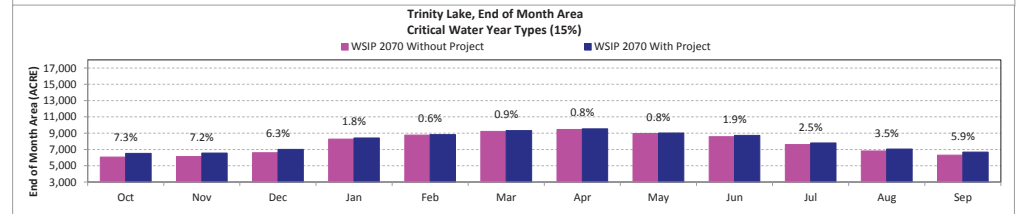
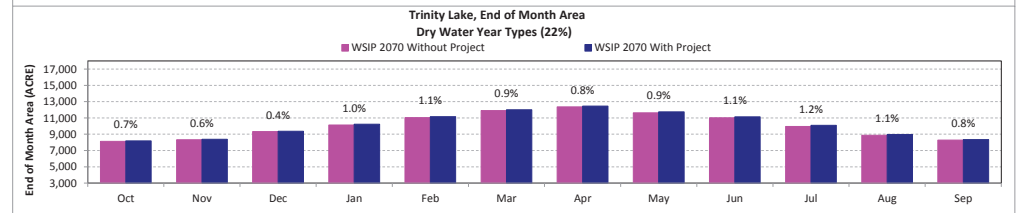
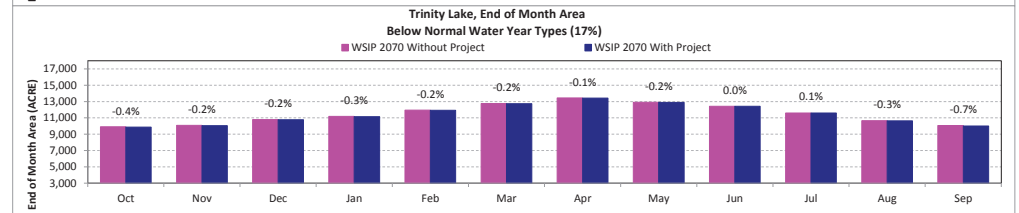
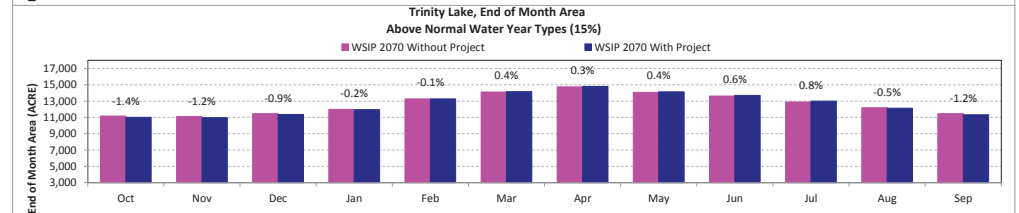
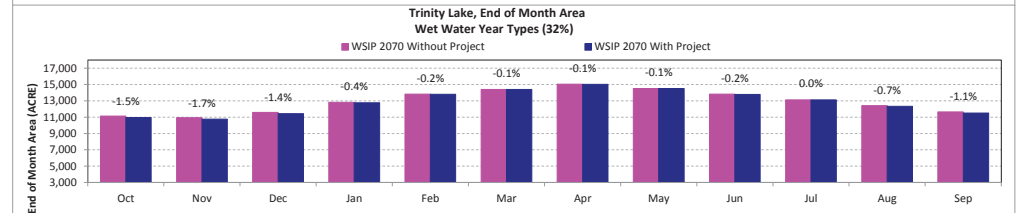
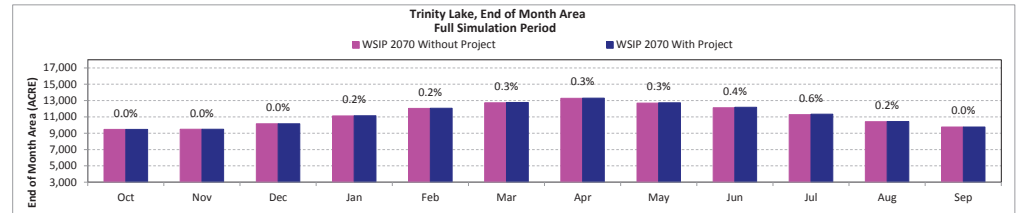


Table SW-04-a  
Trinity River below Lewiston Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	370	299	443	676	932	808	540	3,779	2,068	848	445	447
WSIP 2070 With Project	373	300	382	660	895	805	540	3,779	2,068	848	445	450
Difference	3	1	-60	-16	-37	-4	0	0	0	0	0	3
Percent Difference <sup>2</sup>	0.9%	0.4%	-13.6%	-2.4%	-4.0%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	373	300	592	1,376	2,159	1,716	582	4,630	3,399	1,102	450	450
WSIP 2070 With Project	373	300	428	1,334	2,055	1,714	582	4,630	3,399	1,102	450	450
Difference	0	0	-164	-42	-103	-2	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-27.7%	-3.1%	-4.8%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	373	300	673	560	619	741	463	4,662	2,489	1,102	450	450
WSIP 2070 With Project	373	300	599	537	584	720	463	4,662	2,489	1,102	450	450
Difference	0	0	-73	-23	-35	-20	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-10.9%	-4.0%	-5.7%	-2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	373	300	300	300	300	300	510	3,685	1,565	801	450	450
WSIP 2070 With Project	373	300	300	300	300	300	510	3,685	1,565	801	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	373	300	300	300	300	300	527	3,258	1,204	646	450	450
WSIP 2070 With Project	373	300	306	300	300	300	527	3,258	1,204	646	450	450
Difference	0	0	6	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	351	291	300	300	300	300	575	2,092	783	450	413	433
WSIP 2070 With Project	373	300	300	300	300	300	575	2,092	783	450	413	450
Difference	22	9	0	0	0	0	0	0	0	0	0	17
Percent Difference	6.3%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%

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

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

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

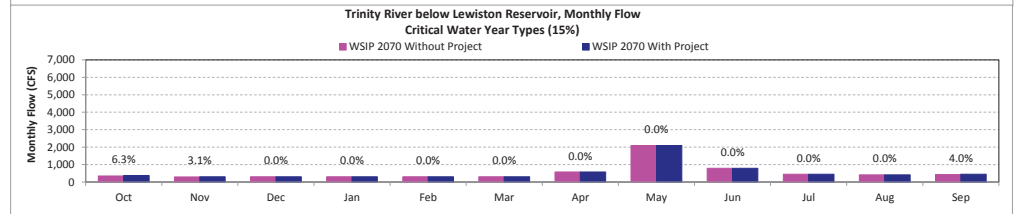
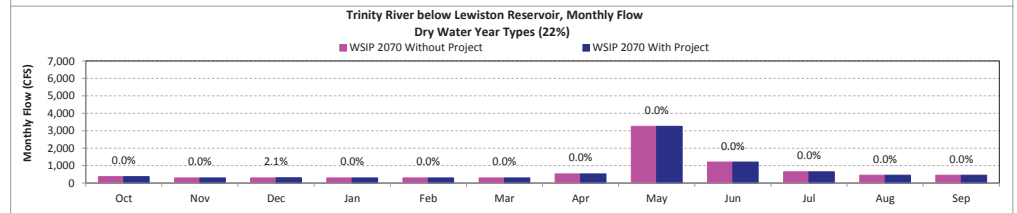
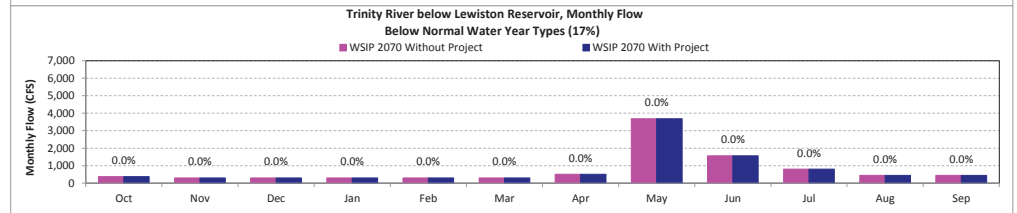
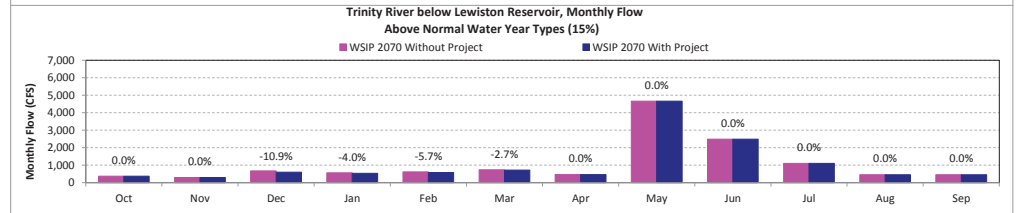
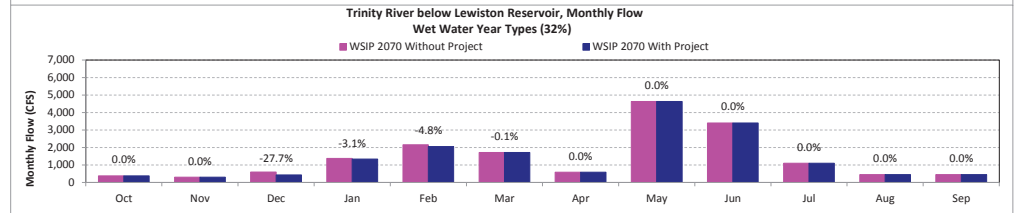
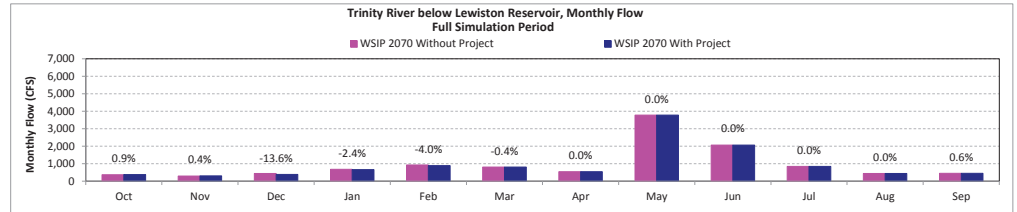


Table SW-05-a  
Clear Creek Tunnel, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	765	545	195	287	191	329	348	155	622	1,889	2,067	1,596
WSIP 2070 With Project	772	560	221	267	199	283	346	156	568	1,837	2,230	1,659
Difference	6	15	26	-20	9	-46	-3	0	-55	-53	163	63
Percent Difference <sup>2</sup>	0.8%	2.8%	13.3%	-7.0%	4.7%	-14.0%	-0.8%	0.3%	-8.8%	-2.8%	7.9%	3.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,285	1,145	341	538	228	559	462	0	208	1,596	1,933	2,139
WSIP 2070 With Project	1,390	1,213	417	537	222	506	459	0	264	1,462	2,189	2,284
Difference	105	68	76	-1	-6	-54	-3	0	57	-133	256	144
Percent Difference	8.2%	6.0%	22.4%	-0.1%	-2.7%	-9.6%	-0.7%		27.3%	-8.4%	13.2%	6.8%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,126	940	191	68	64	543	174	0	293	1,582	1,981	1,880
WSIP 2070 With Project	1,164	873	197	55	64	334	183	0	141	1,583	2,481	2,062
Difference	38	-67	7	-14	0	-210	9	0	-152	1	500	182
Percent Difference	3.3%	-7.2%	3.5%			-38.6%	5.2%		-51.9%	0.1%	25.2%	9.7%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	440	158	92	144	100	110	262	115	628	1,853	2,292	1,404
WSIP 2070 With Project	365	119	75	185	100	131	234	115	564	1,808	2,394	1,481
Difference	-74	-38	-17	41	0	21	-28	0	-64	-45	102	77
Percent Difference	-16.9%	-24.4%	-18.4%	28.5%	0.0%	19.1%	-10.9%	0.0%	-10.2%	-2.4%	4.5%	5.5%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	355	64	66	260	323	118	302	340	1,218	2,416	2,451	1,186
WSIP 2070 With Project	377	66	100	175	248	150	295	335	1,187	2,426	2,501	1,281
Difference	23	3	34	-84	-75	31	-7	-4	-30	10	50	95
Percent Difference	6.4%			-32.5%	-23.2%	26.5%	-2.2%	-1.3%	-2.5%	0.4%	2.0%	8.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	347	104	208	145	102	219	433	371	824	1,969	1,552	1,050
WSIP 2070 With Project	170	159	174	117	302	137	454	381	588	1,930	1,457	757
Difference	-178	55	-33	-28	200	-82	21	10	-236	-39	-96	-293
Percent Difference	-51.1%	53.6%	-16.1%	-19.3%	37.2%	4.9%	2.7%	2.8%	-28.7%	-2.0%	-6.2%	-27.9%

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

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

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

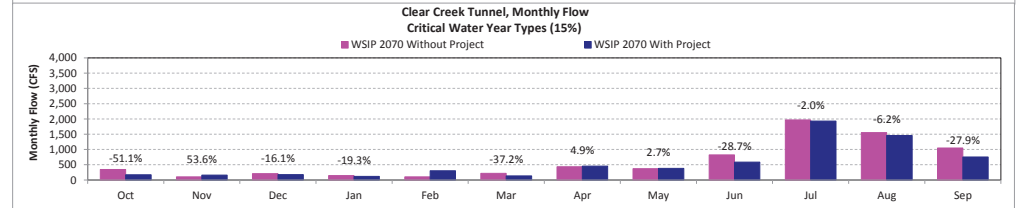
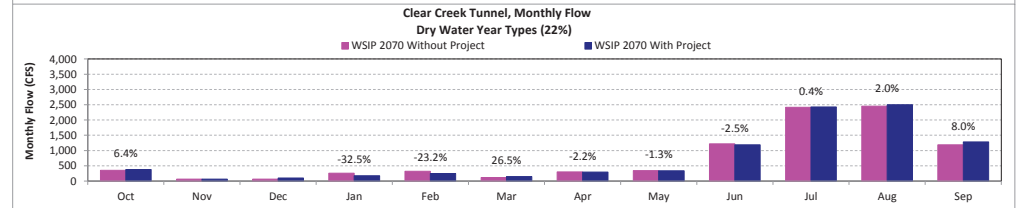
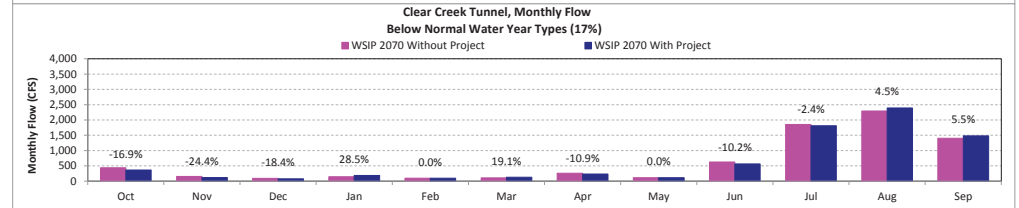
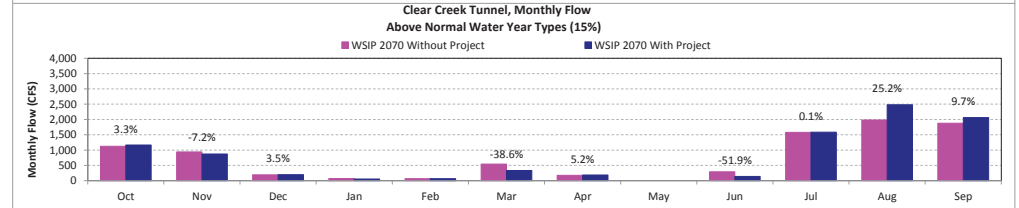
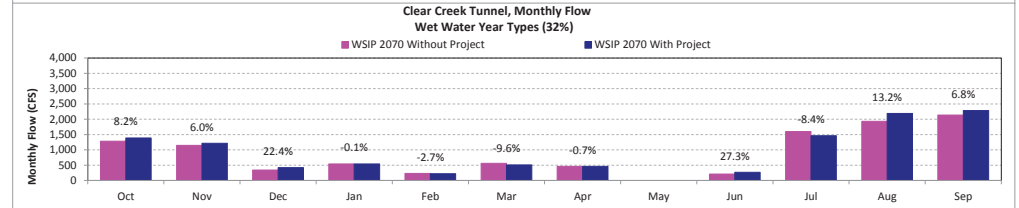
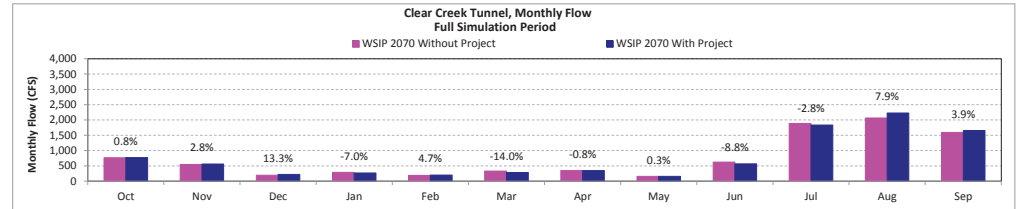


Table SW-06-a  
Clear Creek below Whiskeytown Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	187	188	190	255	238	226	192	265	181	85	85	148
WSIP 2070 With Project	186	188	187	253	236	225	191	265	181	84	85	148
Difference	0	0	-2	-2	-2	-1	-1	-1	0	-1	0	0
Percent Difference <sup>2</sup>	-0.2%	0.0%	-1.3%	-0.8%	-1.0%	-0.3%	-0.3%	-0.2%	0.0%	-1.2%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	200	200	200	399	348	308	200	277	200	85	85	150
WSIP 2070 With Project	199	200	200	401	348	308	200	277	200	82	85	150
Difference	-1	0	0	2	0	0	0	0	0	-3	0	0
Percent Difference	-0.5%	0.0%	0.0%	0.4%	0.0%	-0.1%	-0.1%	0.0%	0.0%	-3.8%	0.0%	0.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	195	195	195	191	191	191	191	274	195	85	85	150
WSIP 2070 With Project	195	195	195	191	191	191	191	274	195	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	196	196	196	192	192	192	192	271	188	85	85	150
WSIP 2070 With Project	196	196	196	192	192	192	192	271	188	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	183	185	185	193	193	193	193	265	182	85	85	150
WSIP 2070 With Project	183	185	175	193	193	193	193	265	182	85	85	150
Difference	0	0	-10	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	146	149	163	171	171	171	171	224	120	85	85	133
WSIP 2070 With Project	146	149	163	154	154	167	167	220	120	85	85	133
Difference	0	0	0	-17	-17	-4	-4	-4	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	-9.8%	-9.8%	-2.4%	-2.4%	-1.6%	0.0%	0.0%	0.0%	0.0%

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

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

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

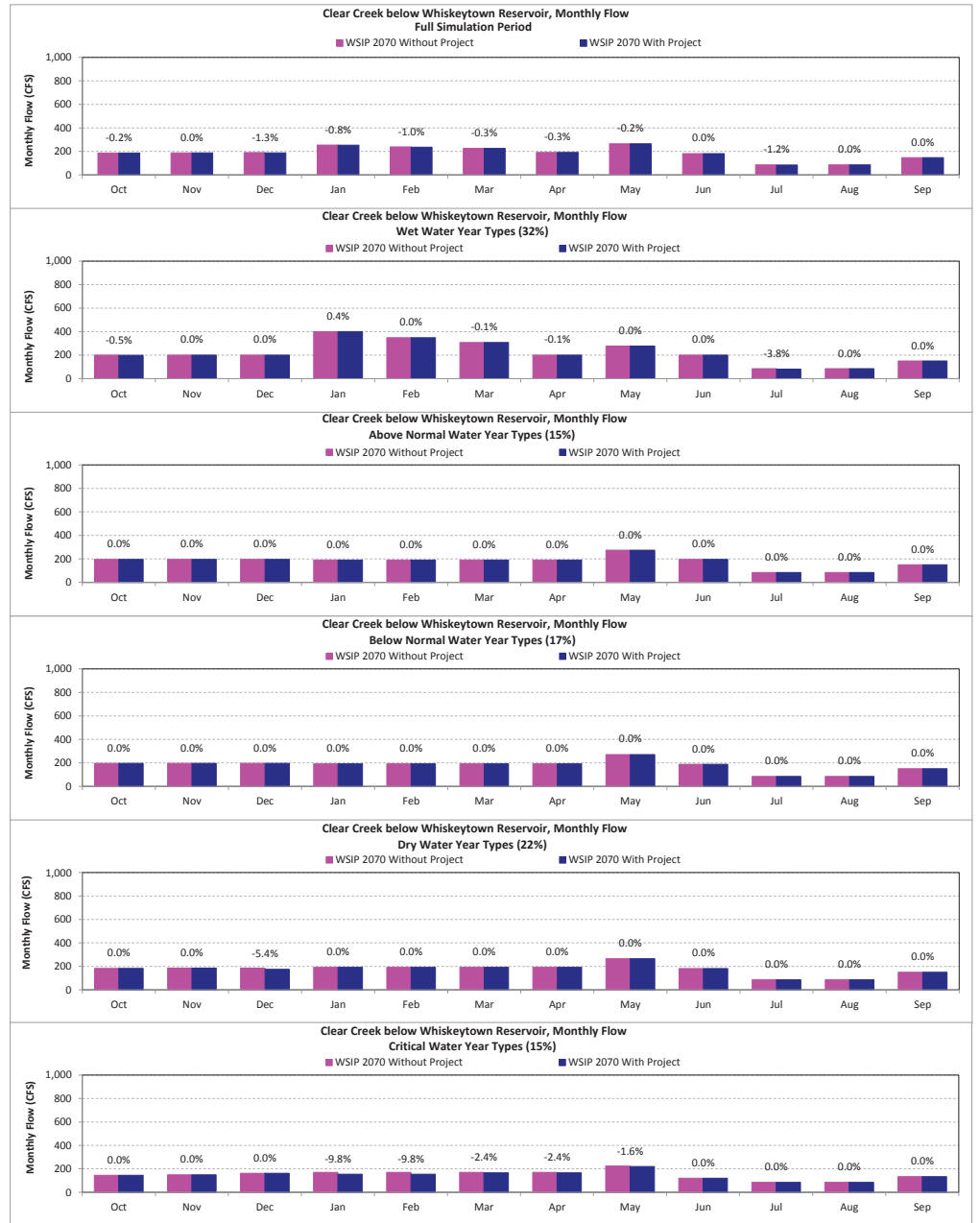


Table SW-07-a  
Shasta Lake, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	2,179	2,180	2,499	2,892	3,216	3,591	3,788	3,681	3,249	2,716	2,440	2,262
WSIP 2070 With Project	2,260	2,267	2,575	2,962	3,275	3,645	3,844	3,761	3,356	2,789	2,508	2,321
Difference	81	87	75	70	59	54	56	80	107	73	68	59
Percent Difference <sup>2</sup>	3.7%	4.0%	3.0%	2.4%	1.8%	1.5%	1.5%	2.2%	3.3%	2.7%	2.8%	2.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	2,412	2,339	2,728	3,392	3,574	3,841	4,226	4,228	3,831	3,285	3,023	2,552
WSIP 2070 With Project	2,409	2,354	2,741	3,402	3,575	3,842	4,219	4,242	3,860	3,278	2,985	2,544
Difference	-3	15	13	10	1	1	-7	14	30	-7	-38	-8
Percent Difference	-0.1%	0.6%	0.5%	0.3%	0.0%	0.0%	-0.2%	0.3%	0.8%	-0.2%	-1.3%	-0.3%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	2,550	2,460	2,633	3,248	3,516	4,056	4,367	4,271	3,836	3,215	2,955	2,686
WSIP 2070 With Project	2,671	2,566	2,694	3,245	3,515	4,053	4,370	4,289	3,917	3,221	2,961	2,789
Difference	121	106	61	-2	-1	-3	3	18	81	6	6	104
Percent Difference	4.7%	4.3%	2.3%	-0.1%	0.0%	-0.1%	0.1%	0.4%	2.1%	0.2%	0.2%	3.9%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2,681	2,725	2,986	2,924	3,336	3,793	4,055	3,949	3,478	2,875	2,602	2,658
WSIP 2070 With Project	2,660	2,713	2,960	3,008	3,407	3,860	4,097	4,018	3,580	2,938	2,655	2,646
Difference	-21	-12	-27	84	71	67	42	69	102	63	53	-13
Percent Difference	-0.8%	-0.5%	-0.9%	2.9%	2.1%	1.8%	1.0%	1.8%	2.9%	2.2%	2.0%	-0.5%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	2,127	2,214	2,576	2,560	3,098	3,542	3,586	3,386	2,938	2,445	2,160	2,167
WSIP 2070 With Project	2,233	2,329	2,681	2,661	3,181	3,614	3,662	3,478	3,061	2,556	2,280	2,224
Difference	106	114	104	100	83	71	75	92	123	110	120	56
Percent Difference	5.0%	5.2%	4.0%	3.9%	2.7%	2.0%	2.1%	2.7%	4.2%	4.5%	5.5%	2.6%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	875	932	1,226	2,002	2,230	2,486	2,357	2,157	1,719	1,305	997	971
WSIP 2070 With Project	1,172	1,219	1,511	2,204	2,419	2,665	2,579	2,428	1,995	1,563	1,282	1,219
Difference	297	287	285	203	189	179	222	271	276	257	286	247
Percent Difference	34.0%	30.8%	23.3%	10.1%	8.5%	7.2%	9.4%	12.6%	16.0%	19.7%	28.7%	25.5%

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

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

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

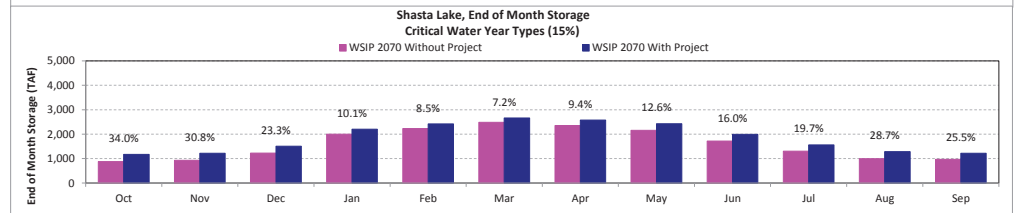
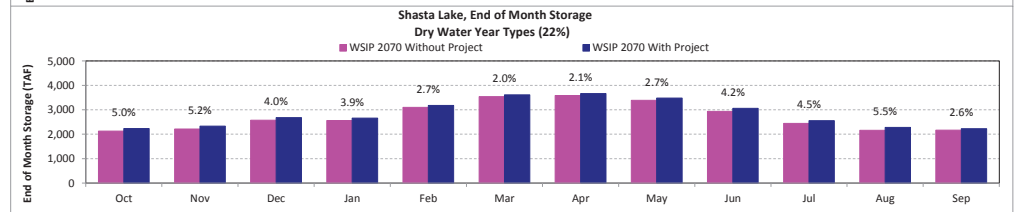
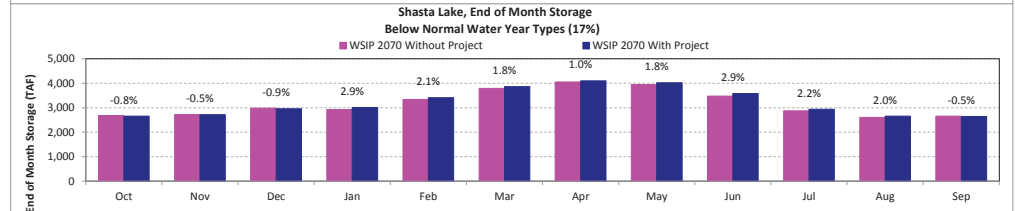
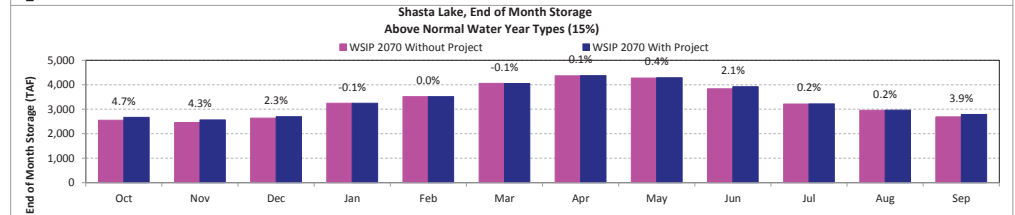
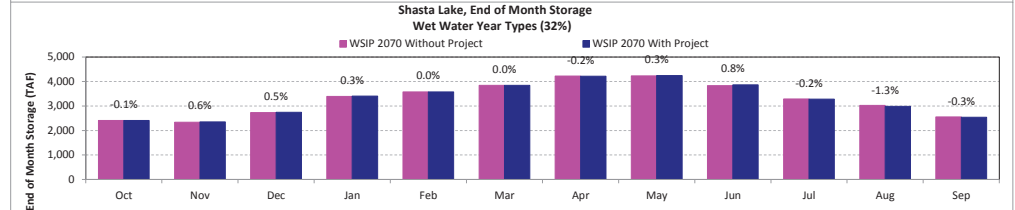
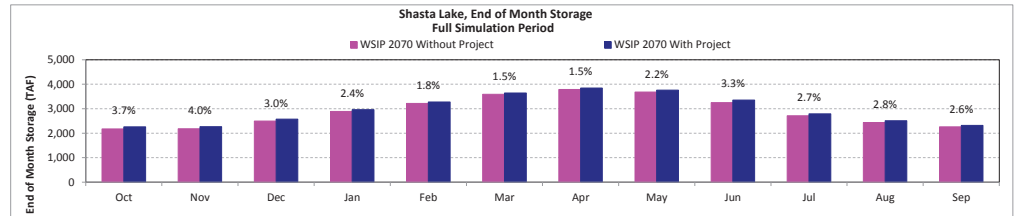




Table SW-08-a  
Shasta Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	961	961	979	998	1,013	1,030	1,037	1,032	1,013	989	974	966
WSIP 2070 With Project	967	967	984	1,003	1,017	1,032	1,039	1,036	1,019	993	979	970
Difference	6	6	5	4	3	3	3	4	5	5	5	5
Percent Difference <sup>2</sup>	0.7%	0.7%	0.5%	0.4%	0.3%	0.2%	0.3%	0.4%	0.5%	0.5%	0.5%	0.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	977	974	993	1,023	1,031	1,041	1,055	1,055	1,040	1,018	1,007	985
WSIP 2070 With Project	977	974	993	1,023	1,031	1,041	1,055	1,056	1,042	1,018	1,005	985
Difference	0	1	1	0	0	0	0	1	1	0	-2	0
Percent Difference	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.2%	0.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	985	981	989	1,017	1,028	1,049	1,060	1,057	1,041	1,015	1,004	992
WSIP 2070 With Project	991	986	992	1,017	1,028	1,049	1,061	1,058	1,044	1,016	1,004	997
Difference	6	5	3	0	0	0	1	1	3	0	0	5
Percent Difference	0.6%	0.5%	0.3%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%	0.0%	0.0%	0.5%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	991	993	1,005	1,002	1,020	1,039	1,049	1,045	1,026	1,000	988	990
WSIP 2070 With Project	990	993	1,004	1,006	1,023	1,042	1,051	1,048	1,030	1,003	990	989
Difference	-1	-1	-1	4	3	3	2	2	4	3	2	-1
Percent Difference	-0.1%	-0.1%	-0.1%	0.4%	0.3%	0.3%	0.1%	0.2%	0.4%	0.3%	0.2%	-0.1%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	962	966	985	984	1,009	1,028	1,030	1,022	1,002	979	964	965
WSIP 2070 With Project	968	973	990	990	1,013	1,032	1,033	1,026	1,008	984	971	968
Difference	6	7	6	6	4	3	3	4	6	5	7	3
Percent Difference	0.6%	0.7%	0.6%	0.6%	0.4%	0.3%	0.3%	0.4%	0.6%	0.6%	0.7%	0.3%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	866	872	900	949	963	979	972	961	933	904	878	875
WSIP 2070 With Project	895	899	922	962	974	988	984	977	951	925	904	899
Difference	29	27	22	13	11	9	12	16	18	20	26	24
Percent Difference	3.4%	3.1%	2.4%	1.4%	1.2%	0.9%	1.2%	1.7%	1.9%	2.3%	3.0%	2.8%

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

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

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



Table SW-09-a  
Shasta Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	17,848	17,873	19,721	21,907	23,654	25,533	26,393	25,856	23,710	20,891	19,325	18,346
WSIP 2070 With Project	18,394	18,439	20,185	22,325	23,992	25,828	26,696	26,279	24,295	21,340	19,782	18,751
Difference	547	567	465	419	338	294	303	422	586	449	457	405
Percent Difference <sup>2</sup>	3.1%	3.2%	2.4%	1.9%	1.4%	1.2%	1.1%	1.6%	2.5%	2.1%	2.4%	2.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	19,348	18,932	21,085	24,683	25,616	26,861	28,600	28,604	26,794	24,078	22,706	20,132
WSIP 2070 With Project	19,335	19,019	21,160	24,737	25,623	26,867	28,570	28,666	26,930	24,049	22,500	20,096
Difference	-13	86	76	54	7	6	-30	62	136	-29	-206	-36
Percent Difference	-0.1%	0.5%	0.4%	0.2%	0.0%	0.0%	-0.1%	0.2%	0.5%	-0.1%	-0.9%	-0.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	20,140	19,639	20,592	23,912	25,333	27,873	29,208	28,795	26,860	23,729	22,350	20,894
WSIP 2070 With Project	20,802	20,224	20,928	23,901	25,331	27,859	29,220	28,871	27,256	23,770	22,382	21,457
Difference	662	585	336	-11	-3	-14	12	76	395	42	32	563
Percent Difference	3.3%	3.0%	1.6%	0.0%	0.0%	-0.1%	0.0%	0.3%	1.5%	0.2%	0.1%	2.7%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	20,850	21,099	22,504	22,152	24,317	26,597	27,844	27,365	25,076	21,915	20,424	20,738
WSIP 2070 With Project	20,726	21,029	22,357	22,628	24,702	26,944	28,026	27,655	25,566	22,247	20,702	20,653
Difference	-124	-71	-147	477	385	348	182	290	490	331	279	-85
Percent Difference	-0.6%	-0.3%	-0.7%	2.2%	1.6%	1.3%	0.7%	1.1%	2.0%	1.5%	1.4%	-0.4%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	17,715	18,195	20,226	20,139	23,065	25,327	25,506	24,524	22,221	19,525	17,926	17,967
WSIP 2070 With Project	18,321	18,860	20,826	20,719	23,517	25,711	25,908	24,996	22,897	20,139	18,608	18,286
Difference	606	665	600	580	452	384	402	472	676	614	683	319
Percent Difference	3.4%	3.7%	3.0%	2.9%	2.0%	1.5%	1.6%	1.9%	3.0%	3.1%	3.8%	1.8%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	9,464	9,924	12,109	16,735	18,126	19,704	18,940	17,794	15,140	12,550	10,368	10,180
WSIP 2070 With Project	11,745	12,040	13,972	18,005	19,253	20,697	20,198	19,377	16,827	14,259	12,468	12,071
Difference	2,281	2,115	1,863	1,270	1,127	993	1,258	1,583	1,687	1,709	2,101	1,890
Percent Difference	24.1%	21.3%	15.4%	7.6%	6.2%	5.0%	6.6%	8.9%	11.1%	13.6%	20.3%	18.6%

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

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

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

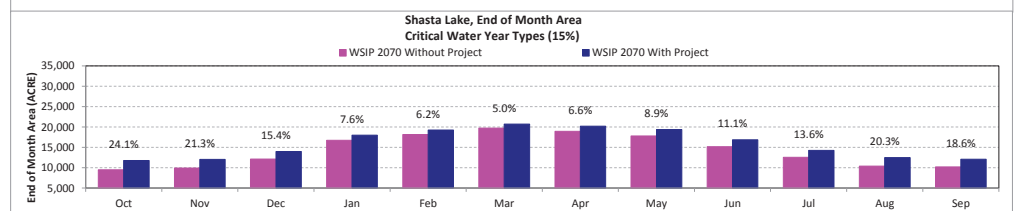
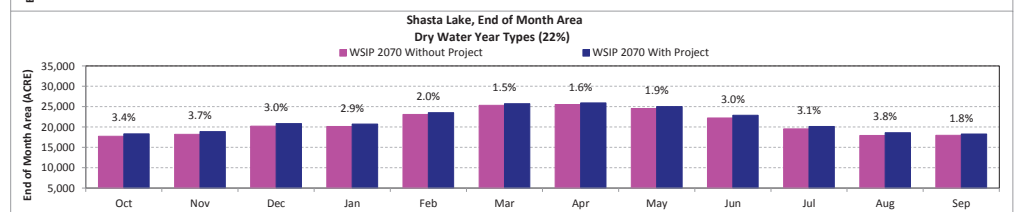
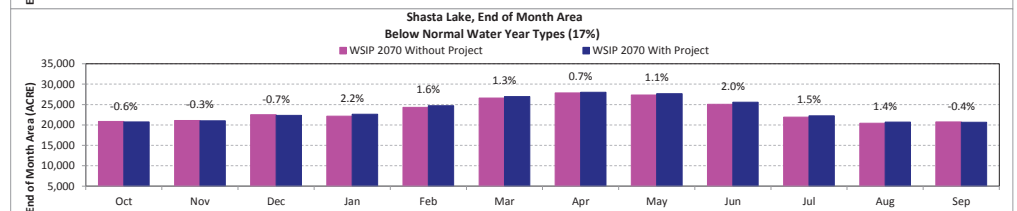
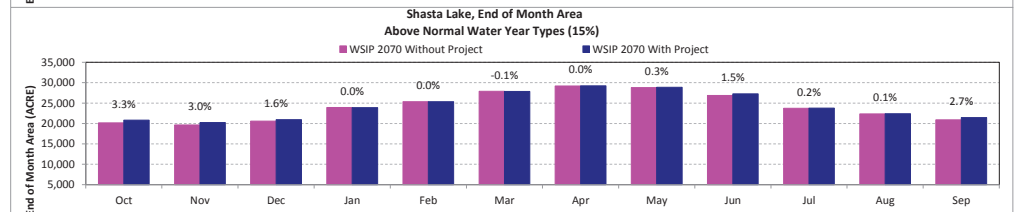
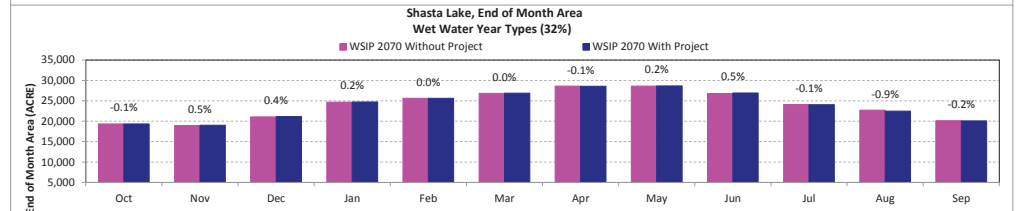
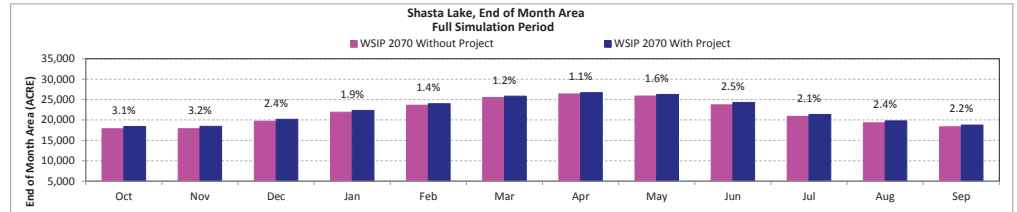


Table SW-10-a  
Sacramento River below Keswick Reservoir, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	6,303	6,441	6,167	9,854	12,357	9,185	6,863	7,780	11,743	13,731	9,657	8,219
WSIP 2070 With Project	5,957	6,339	6,370	9,921	12,559	9,226	6,835	7,385	11,229	14,221	9,865	8,451
Difference	-345	-101	203	67	202	41	-28	-395	-515	490	208	231
Percent Difference <sup>2</sup>	-5.5%	-1.6%	3.3%	0.7%	1.6%	0.5%	-0.4%	-5.1%	-4.4%	3.6%	2.2%	2.8%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	7,426	8,338	6,327	20,037	24,214	17,119	8,283	7,388	11,292	14,025	9,518	13,707
WSIP 2070 With Project	7,456	8,058	6,406	19,997	24,362	17,065	8,422	7,044	11,085	14,496	10,273	13,404
Difference	31	-280	80	-40	148	-54	139	-344	-207	471	755	-303
Percent Difference	0.4%	-3.4%	1.3%	-0.2%	0.6%	-0.3%	1.7%	-4.7%	-1.8%	3.4%	7.9%	-2.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	7,168	8,851	6,064	9,134	17,768	9,393	5,810	7,916	11,907	15,029	9,568	9,874
WSIP 2070 With Project	6,769	9,035	6,796	9,400	17,739	9,229	5,716	7,675	10,684	16,249	10,069	8,408
Difference	-398	184	732	266	-30	-164	-94	-242	-1,222	1,220	501	-1,466
Percent Difference	-5.6%	2.1%	12.1%	2.9%	-0.2%	-1.7%	-1.6%	-3.1%	-10.3%	8.1%	5.2%	-14.8%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	4,868	5,482	7,186	5,534	5,254	4,726	5,346	7,714	12,103	14,726	9,746	4,532
WSIP 2070 With Project	4,934	5,294	7,398	5,623	5,491	4,803	5,734	7,277	11,475	15,309	10,019	5,707
Difference	66	-188	212	89	237	77	388	-437	-627	583	273	1,175
Percent Difference	1.4%	-3.4%	2.9%	1.6%	4.5%	1.6%	7.3%	-5.7%	-5.2%	4.0%	2.8%	25.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	5,795	4,931	7,057	3,561	3,879	4,780	6,451	8,354	12,172	13,370	9,931	4,544
WSIP 2070 With Project	5,035	4,792	7,232	3,687	4,120	4,994	6,380	8,071	11,614	13,579	9,814	5,702
Difference	-760	-139	176	126	241	214	-71	-283	-558	209	-118	1,158
Percent Difference	-13.1%	-2.8%	2.5%	3.5%	6.2%	4.5%	-1.1%	-3.4%	-4.6%	1.6%	-1.2%	25.5%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	5,477	3,675	3,331	3,615	3,532	3,973	7,080	7,620	11,468	11,425	9,489	4,931
WSIP 2070 With Project	4,611	3,854	3,349	3,612	3,960	4,084	6,373	6,833	11,129	11,654	8,713	5,309
Difference	-866	179	19	-4	429	111	-708	-788	-339	229	-775	378
Percent Difference	-15.8%	4.9%	0.6%	-0.1%	12.1%	2.8%	-10.0%	-10.3%	-3.0%	2.0%	-8.2%	7.7%

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

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

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

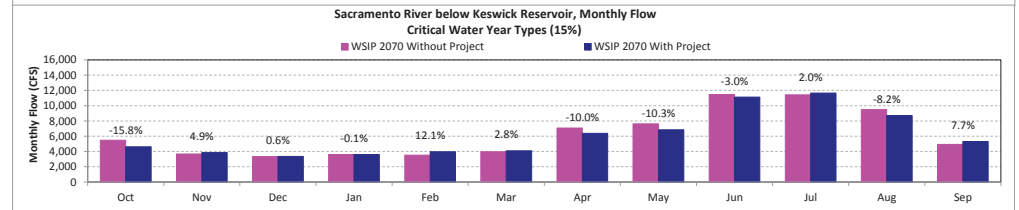
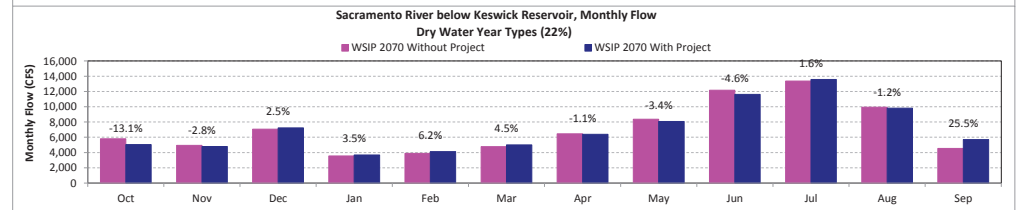
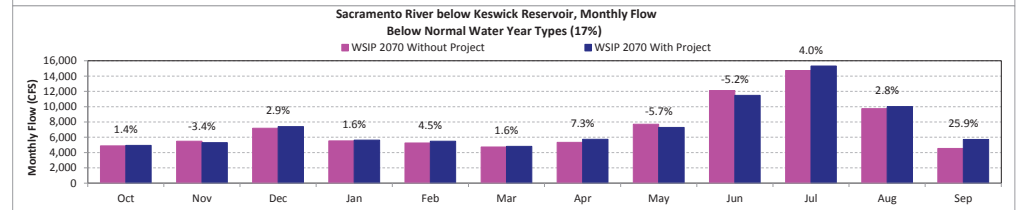
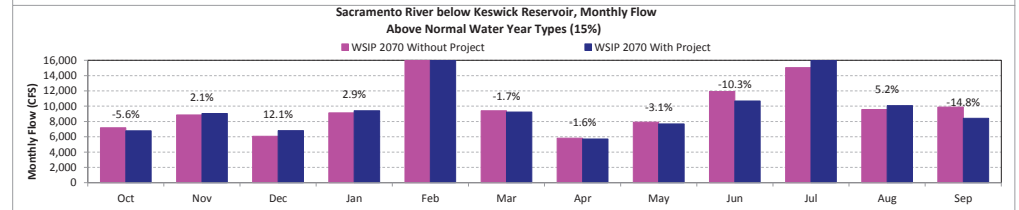
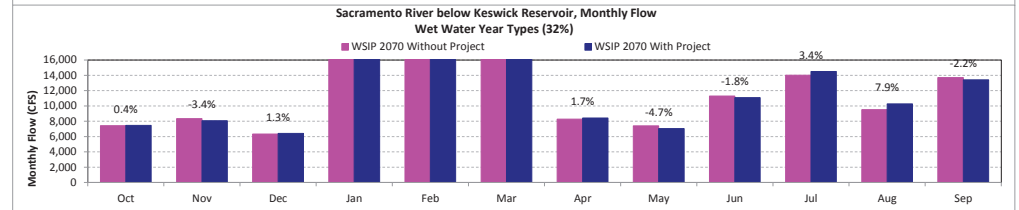
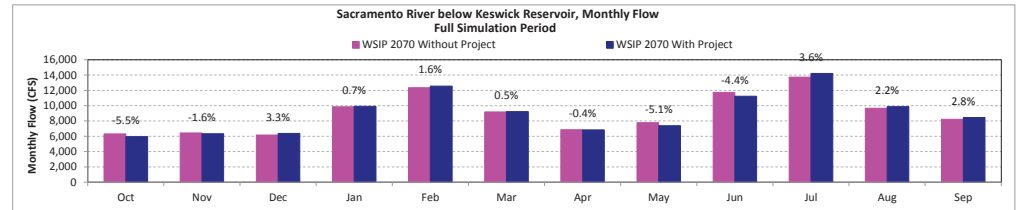


Table SW-11-a  
Sacramento River at Bend Bridge, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	7,145	8,586	11,733	17,889	20,910	15,423	10,186	9,174	12,437	14,026	9,904	8,718
WSIP 2070 With Project	6,798	8,489	11,934	17,953	21,110	15,463	10,158	8,779	11,926	14,517	10,108	8,947
Difference	-347	-97	201	64	200	40	-28	-395	-511	490	204	229
Percent Difference <sup>2</sup>	-4.9%	-1.1%	1.7%	0.4%	1.0%	0.3%	-0.3%	-4.3%	-4.1%	3.5%	2.1%	2.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	8,248	10,682	12,600	34,139	37,157	26,612	13,685	9,296	12,303	14,559	9,842	14,278
WSIP 2070 With Project	8,282	10,403	12,682	34,101	37,306	26,558	13,824	8,951	12,099	15,027	10,593	13,969
Difference	34	-279	82	-38	149	-55	140	-345	-204	468	751	-310
Percent Difference	0.4%	-2.6%	0.7%	-0.1%	0.4%	-0.2%	1.0%	-3.7%	-1.7%	3.2%	7.6%	-2.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	7,986	10,969	9,898	19,403	28,778	16,238	9,414	9,552	12,712	15,284	9,854	10,355
WSIP 2070 With Project	7,600	11,154	10,625	19,671	28,749	16,076	9,321	9,311	11,491	16,509	10,346	8,884
Difference	-386	185	728	267	-29	-162	-92	-241	-1,221	1,225	492	-1,471
Percent Difference	-4.8%	1.7%	7.4%	1.4%	-0.1%	-1.0%	-1.0%	-2.5%	-9.6%	8.0%	5.0%	-14.2%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	5,962	7,965	13,471	11,234	11,466	9,773	8,577	8,992	12,679	14,932	9,980	5,096
WSIP 2070 With Project	6,019	7,780	13,687	11,320	11,702	9,848	8,964	8,553	12,056	15,516	10,248	6,267
Difference	58	-185	216	86	236	75	388	-440	-624	584	268	1,171
Percent Difference	1.0%	-2.3%	1.6%	0.8%	2.1%	0.8%	4.5%	-4.9%	-4.9%	3.9%	2.7%	23.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	6,681	7,031	13,340	6,905	10,048	9,398	8,301	9,352	12,656	13,474	10,095	4,997
WSIP 2070 With Project	5,912	6,901	13,507	7,027	10,288	9,611	8,229	9,071	12,102	13,686	9,976	6,156
Difference	-769	-130	167	123	240	213	-72	-282	-554	212	-119	1,159
Percent Difference	-11.5%	-1.8%	1.3%	1.8%	2.4%	2.3%	-0.9%	-3.0%	-4.4%	1.6%	-1.2%	23.2%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	6,040	5,124	6,974	6,811	6,831	6,594	8,198	8,461	11,850	11,658	9,683	5,299
WSIP 2070 With Project	5,170	5,310	6,989	6,787	7,244	6,698	7,486	7,678	11,517	11,887	8,904	5,681
Difference	-870	186	14	-24	413	104	-711	-784	-333	229	-779	381
Percent Difference	-14.4%	3.6%	0.2%	-0.4%	6.0%	1.6%	-8.7%	-9.3%	-2.8%	2.0%	-8.0%	7.2%

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

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

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

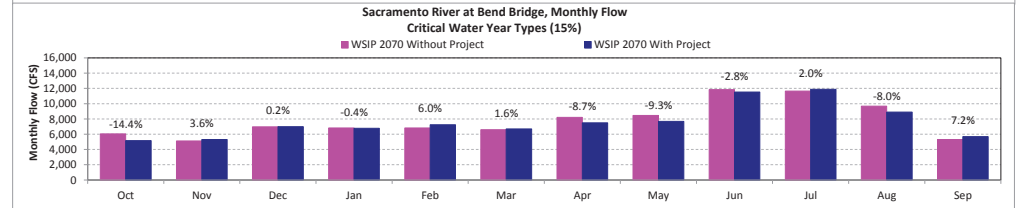
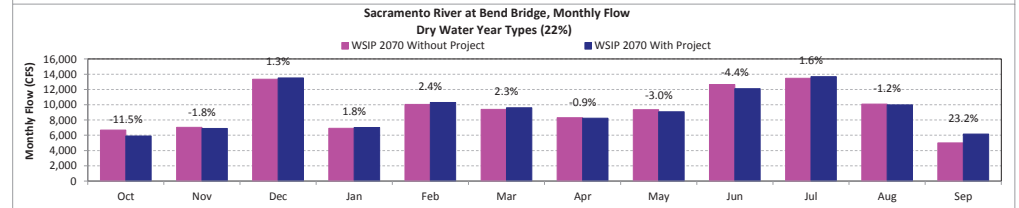
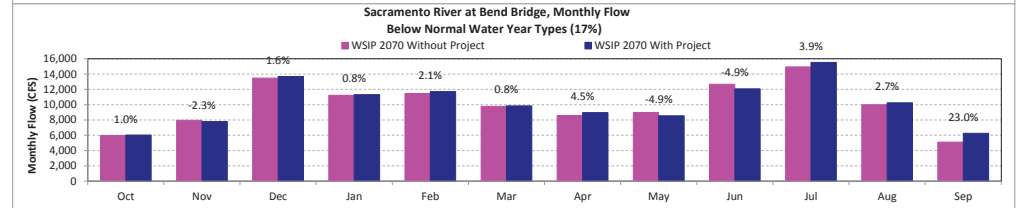
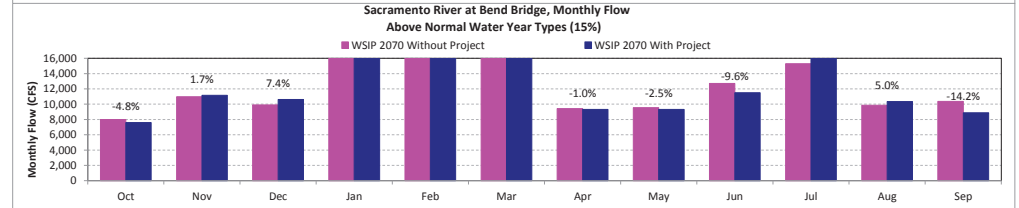
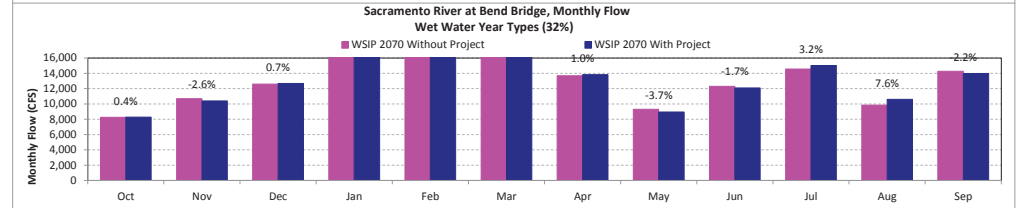
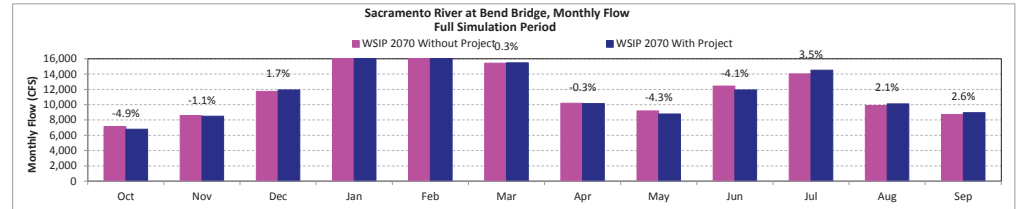


Table SW-12-a  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	7,062	8,601	11,801	18,092	21,057	15,508	10,132	9,022	12,016	13,609	9,564	8,660
WSIP 2070 With Project	6,666	8,368	11,203	16,880	19,838	14,571	9,815	8,597	11,535	14,105	9,778	8,908
Difference	-396	-233	-598	-1,213	-1,219	-937	-317	-425	-481	496	213	248
Percent Difference <sup>2</sup>	-5.6%	-2.7%	-5.1%	-6.7%	-5.8%	-6.0%	-3.1%	-4.7%	-4.0%	3.6%	2.2%	2.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	8,142	10,699	12,680	34,512	37,397	26,757	13,652	9,047	11,654	13,869	9,293	14,182
WSIP 2070 With Project	8,182	10,253	11,615	32,980	36,377	25,881	13,370	8,699	11,571	14,325	10,053	13,924
Difference	40	-446	-1,065	-1,532	-1,020	-876	-282	-348	-83	456	760	-258
Percent Difference	0.5%	-4.2%	-8.4%	-4.4%	-2.7%	-3.3%	-2.1%	-3.8%	-0.7%	3.3%	8.2%	-1.8%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	7,900	10,986	9,937	19,672	29,001	16,353	9,321	9,352	12,172	14,717	9,421	10,312
WSIP 2070 With Project	7,276	10,854	9,700	18,257	27,084	14,811	8,704	9,044	10,945	16,131	9,951	8,853
Difference	-624	-133	-237	-1,415	-1,916	-1,541	-617	-308	-1,227	1,414	530	-1,459
Percent Difference	-7.9%	-1.2%	-2.4%	-7.2%	-6.6%	-9.4%	-6.6%	-3.3%	-10.1%	9.6%	5.6%	-14.1%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	5,884	7,987	13,559	11,371	11,554	9,814	8,503	8,889	12,316	14,610	9,727	5,047
WSIP 2070 With Project	5,957	7,796	13,449	9,787	10,293	8,614	8,523	8,389	11,649	15,214	10,007	6,226
Difference	73	-191	-110	-1,584	-1,261	-1,200	21	-500	-667	605	280	1,180
Percent Difference	1.2%	-2.4%	-0.8%	-13.9%	-10.9%	-12.2%	0.2%	-5.6%	-5.4%	4.1%	2.9%	23.4%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	6,612	7,046	13,416	6,982	10,135	9,458	8,239	9,275	12,394	13,260	9,926	4,959
WSIP 2070 With Project	5,751	6,757	13,053	6,182	8,680	8,487	8,063	8,968	11,840	13,411	9,812	6,118
Difference	-861	-289	-363	-800	-1,455	-971	-176	-306	-554	151	-114	1,159
Percent Difference	-13.0%	-4.1%	-2.7%	-11.5%	-14.4%	-10.3%	-2.1%	-3.3%	-4.5%	1.1%	-1.1%	23.4%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	5,982	5,123	7,010	6,867	6,873	6,614	8,170	8,391	11,701	11,531	9,505	5,266
WSIP 2070 With Project	5,118	5,307	6,172	6,246	6,298	6,442	7,453	7,572	11,369	11,725	8,716	5,647
Difference	-864	185	-838	-622	-574	-172	-717	-819	-333	194	-789	382
Percent Difference	-14.4%	3.6%	-12.0%	-9.1%	-8.4%	-2.6%	-8.8%	-9.8%	-2.8%	1.7%	-8.3%	7.2%

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

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

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

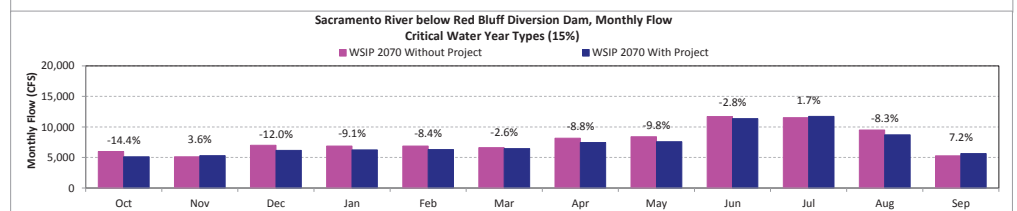
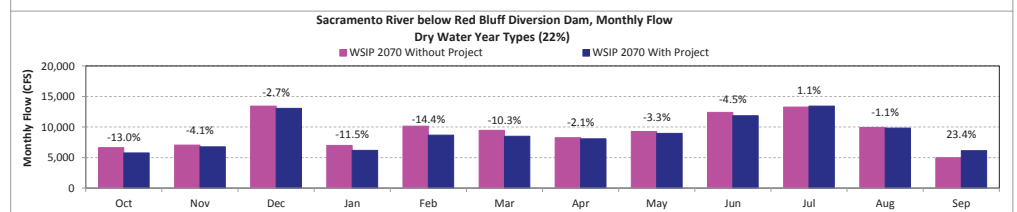
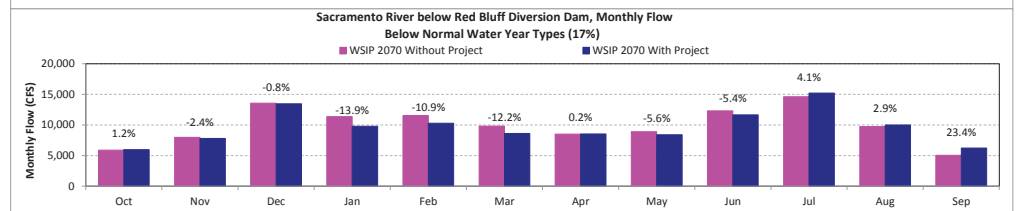
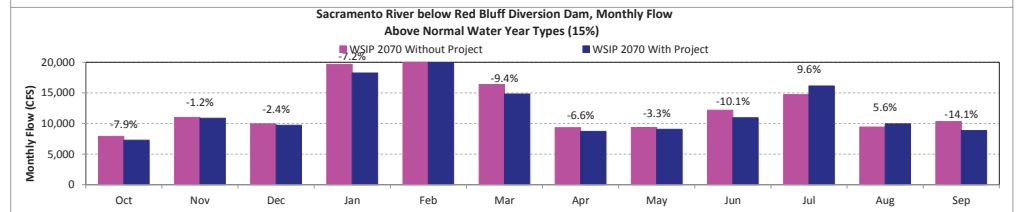
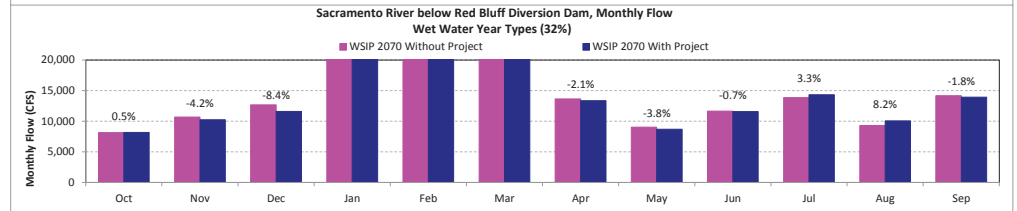
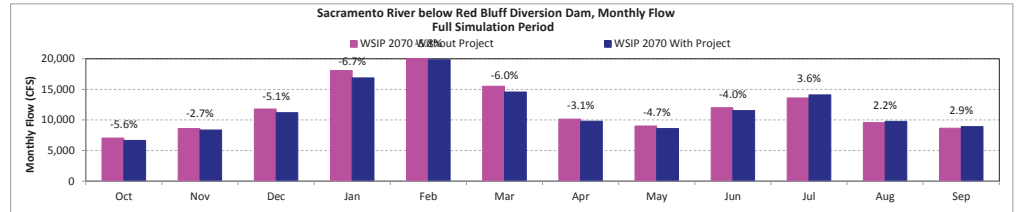


Table SW-13-a  
Sacramento River below Hamilton City, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	6,475	8,824	13,736	21,151	24,329	17,878	9,280	7,403	9,259	10,883	7,547	8,201
WSIP 2070 With Project	6,203	8,571	12,718	19,774	22,860	16,337	8,884	7,265	9,110	11,736	7,711	8,492
Difference	-272	-253	-1,018	-1,377	-1,470	-1,542	-396	-138	-150	853	164	290
Percent Difference <sup>2</sup>	-4.2%	-2.9%	-7.4%	-6.5%	-6.0%	-8.6%	-4.3%	-1.9%	-1.6%	7.8%	2.2%	3.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	7,537	10,948	14,900	40,045	42,492	30,311	13,816	7,768	8,963	11,123	7,265	13,765
WSIP 2070 With Project	7,641	10,420	13,273	38,326	41,237	28,879	13,217	7,598	8,869	11,547	7,704	13,566
Difference	104	-527	-1,627	-1,719	-1,255	-1,432	-599	-170	-94	424	440	-198
Percent Difference	1.4%	-4.8%	-10.9%	-4.3%	-3.0%	-4.7%	-4.3%	-2.2%	-1.0%	3.8%	6.0%	-1.4%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	7,279	11,314	11,381	23,701	33,362	19,000	8,775	7,837	9,444	11,905	7,371	9,804
WSIP 2070 With Project	6,799	11,110	10,754	22,043	31,129	16,737	7,927	7,644	8,780	14,129	7,802	8,443
Difference	-480	-204	-627	-1,658	-2,233	-2,263	-848	-193	-664	2,224	431	-1,362
Percent Difference	-6.6%	-1.8%	-5.5%	-7.0%	-6.7%	-11.9%	-9.7%	-2.5%	-7.0%	18.7%	5.8%	-13.9%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	5,331	8,301	15,617	13,503	14,023	11,778	7,408	7,105	9,465	11,794	7,612	4,576
WSIP 2070 With Project	5,580	8,177	15,294	11,686	12,523	9,960	7,170	6,790	9,462	13,096	7,843	5,787
Difference	249	-124	-323	-1,818	-1,500	-1,818	-238	-315	-3	1,302	231	1,211
Percent Difference	4.7%	-1.5%	-2.1%	-13.5%	-10.7%	-15.4%	-3.2%	-4.4%	0.0%	11.0%	3.0%	26.5%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	6,053	7,297	15,602	8,186	12,229	11,236	6,742	7,315	9,482	10,419	7,787	4,481
WSIP 2070 With Project	5,321	7,014	14,889	7,285	10,487	9,389	6,615	7,418	9,358	10,948	7,770	5,644
Difference	-732	-283	-713	-901	-1,741	-1,848	-127	103	-124	529	-17	1,163
Percent Difference	-12.1%	-3.9%	-4.6%	-11.0%	-14.2%	-16.4%	-1.9%	1.4%	-1.3%	5.1%	-0.2%	26.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	5,380	5,052	8,223	7,767	8,028	7,591	6,175	6,683	9,139	9,214	7,849	4,807
WSIP 2070 With Project	4,685	5,260	6,908	7,072	7,279	7,281	6,013	6,458	9,138	9,792	7,402	5,219
Difference	-695	208	-1,315	-694	-750	-310	-162	-225	-1	578	-447	412
Percent Difference	-12.9%	4.1%	-16.0%	-8.9%	-9.3%	-4.1%	-2.6%	-3.4%	0.0%	6.3%	-5.7%	8.6%

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

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

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

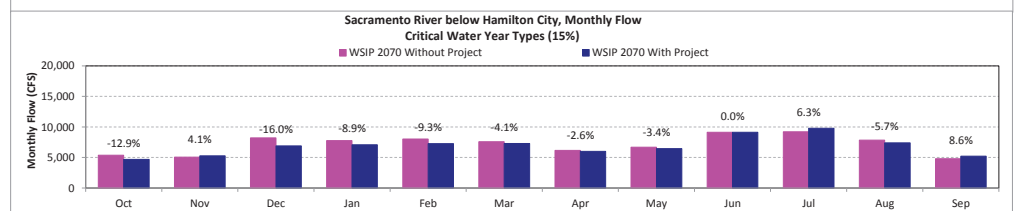
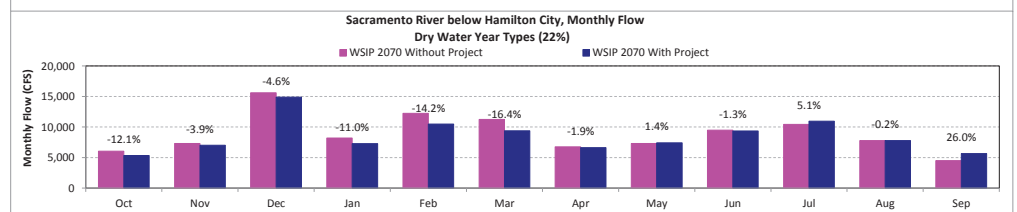
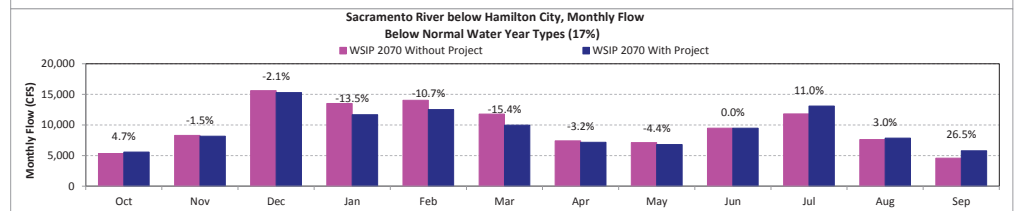
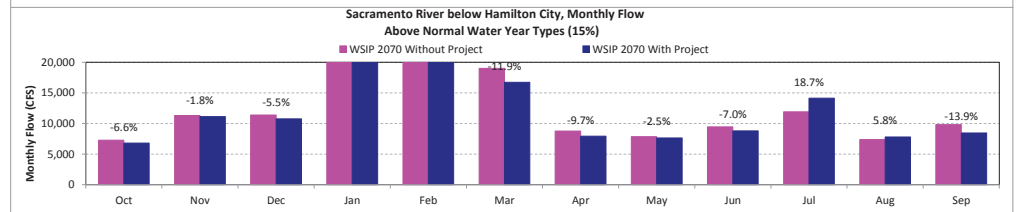
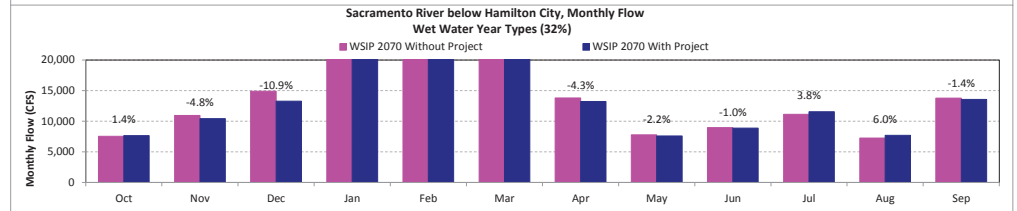
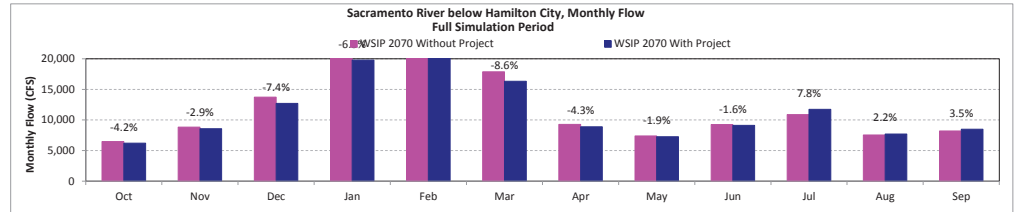


Table SW-14-a  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	6,139	8,782	15,625	24,973	28,840	20,968	10,708	7,072	8,438	9,687	6,768	8,396
WSIP 2070 With Project	6,466	8,825	14,292	22,815	26,739	19,079	10,330	6,976	9,185	11,358	7,511	9,448
Difference	327	43	-1,333	-2,158	-2,101	-1,889	-378	-96	747	1,671	744	1,052
Percent Difference <sup>2</sup>	5.3%	0.5%	-8.5%	-8.6%	-7.3%	-9.0%	-3.5%	-1.4%	8.8%	17.2%	11.0%	12.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	7,239	10,786	17,207	46,509	48,447	34,679	17,342	7,987	8,751	10,011	6,462	14,142
WSIP 2070 With Project	7,626	10,295	15,066	44,014	46,607	32,899	16,710	7,815	9,564	10,996	7,051	14,430
Difference	387	-491	-2,140	-2,495	-1,840	-1,780	-632	-172	813	986	588	288
Percent Difference	5.4%	-4.6%	-12.4%	-5.4%	-3.8%	-5.1%	-3.6%	-2.2%	9.3%	9.8%	9.1%	2.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	6,947	11,357	12,918	29,843	41,836	23,096	9,738	7,904	8,611	10,572	6,656	10,002
WSIP 2070 With Project	7,285	11,241	11,802	26,947	38,762	20,374	8,893	7,707	9,220	14,303	7,413	9,984
Difference	338	-116	-1,115	-2,896	-3,074	-2,722	-845	-197	608	3,731	757	-18
Percent Difference	4.9%	-1.0%	-8.6%	-9.7%	-7.3%	-11.8%	-8.7%	-2.5%	7.1%	35.3%	11.4%	-0.2%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	5,095	8,709	18,047	16,675	16,937	14,264	8,603	6,921	8,373	10,512	6,813	4,626
WSIP 2070 With Project	5,894	8,968	17,506	13,700	14,771	12,086	8,357	6,597	9,484	13,037	7,740	6,625
Difference	800	259	-540	-2,975	-2,166	-2,178	-246	-324	1,112	2,525	927	2,000
Percent Difference	15.7%	3.0%	-3.0%	-17.8%	-12.8%	-15.3%	-2.9%	-4.7%	13.3%	24.0%	13.6%	43.2%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	5,699	7,218	17,429	9,278	15,721	13,507	6,845	6,323	8,279	9,217	6,840	4,600
WSIP 2070 With Project	5,957	7,556	16,641	7,815	13,093	11,248	6,727	6,417	8,904	10,534	7,907	6,554
Difference	259	338	-788	-1,463	-2,628	-2,259	-119	94	625	1,317	1,067	1,954
Percent Difference	4.5%	4.7%	-4.5%	-15.8%	-16.7%	-16.7%	-1.7%	1.5%	7.5%	14.3%	15.6%	42.5%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	4,882	4,763	9,049	8,998	9,203	9,009	5,943	5,743	7,937	8,066	7,363	4,884
WSIP 2070 With Project	4,667	5,384	7,501	7,974	8,378	8,573	5,966	5,830	8,476	8,997	7,693	6,042
Difference	-215	622	-1,548	-1,024	-824	-436	23	88	538	931	330	1,158
Percent Difference	-4.4%	13.1%	-17.1%	-11.4%	-9.0%	-4.8%	0.4%	1.5%	6.8%	11.5%	4.5%	23.7%

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

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

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

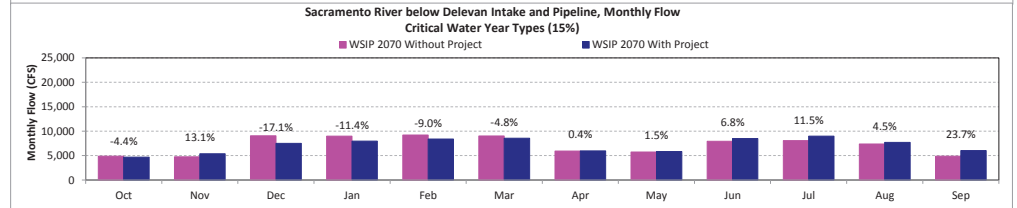
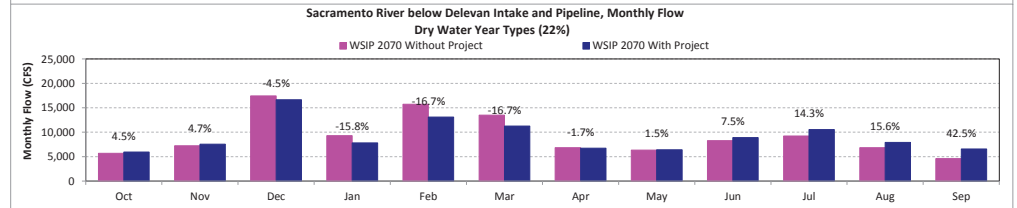
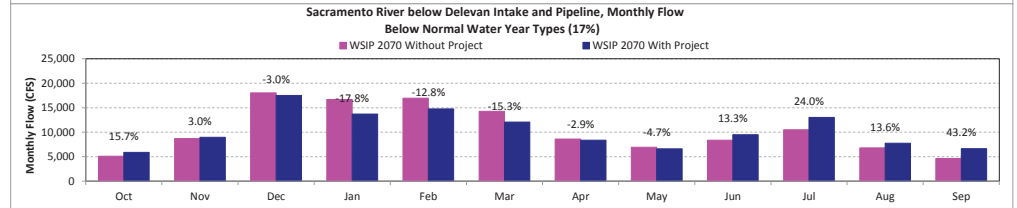
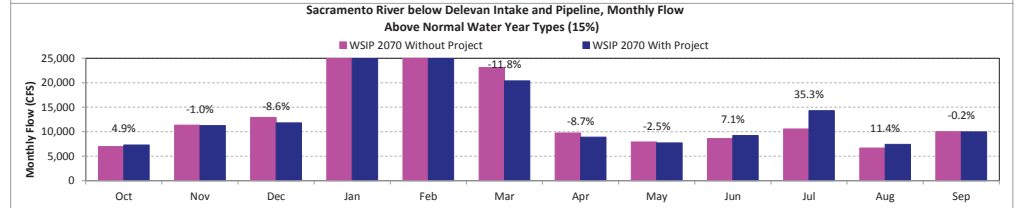
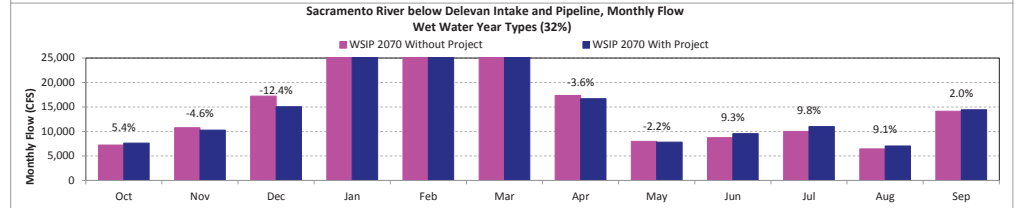
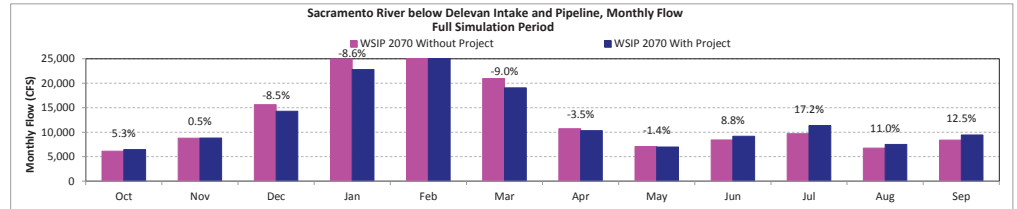


Table SW-15-a  
Sacramento River at Wilken Slough, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
WSIP 2070 Without Project	5,879	8,433	11,687	14,608	15,935	14,474	7,961	5,748	6,423	7,581	5,188	8,092
WSIP 2070 With Project	6,218	8,557	11,006	13,486	14,969	13,318	7,696	5,666	7,167	9,225	5,891	9,148
Difference	339	124	-681	-1,122	-967	-1,155	-266	-81	745	1,644	703	1,055
Percent Difference <sup>2</sup>	5.8%	1.5%	-5.8%	-7.7%	-6.1%	-8.0%	-3.3%	-1.4%	11.6%	21.7%	13.5%	13.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	6,846	10,620	12,708	20,489	20,534	18,484	11,967	6,746	6,790	7,925	4,884	13,865
WSIP 2070 With Project	7,251	10,262	11,642	19,882	20,240	18,096	11,620	6,603	7,610	8,890	5,461	14,157
Difference	406	-359	-1,067	-607	-294	-387	-347	-143	820	965	577	292
Percent Difference	5.9%	-3.4%	-8.4%	-3.0%	-1.4%	-2.1%	-2.9%	-2.1%	12.1%	12.2%	11.8%	2.1%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	6,667	10,631	10,159	17,618	19,846	16,705	8,418	6,474	6,622	8,446	5,060	9,695
WSIP 2070 With Project	7,040	10,684	9,532	16,615	19,240	14,957	7,649	6,406	7,222	12,156	5,736	9,697
Difference	373	53	-627	-1,003	-606	-1,748	-769	-69	600	3,710	675	3
Percent Difference	5.6%	0.5%	-6.2%	-5.7%	-3.1%	-10.5%	-9.1%	-1.1%	9.1%	43.9%	13.3%	0.0%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	4,971	8,324	13,237	14,209	14,421	12,979	6,847	5,566	6,325	8,370	5,185	4,352
WSIP 2070 With Project	5,735	8,657	13,631	12,071	12,837	10,913	6,701	5,218	7,436	10,852	6,061	6,355
Difference	764	333	393	-2,138	-1,584	-2,066	-146	-348	1,111	2,482	876	2,003
Percent Difference	15.4%	4.0%	3.0%	-15.0%	-11.0%	-15.9%	-2.1%	-6.3%	17.6%	29.7%	16.9%	46.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	5,484	6,723	11,810	9,185	12,997	12,450	5,422	4,993	6,218	7,054	5,233	4,299
WSIP 2070 With Project	5,784	7,058	11,425	7,771	11,155	10,737	5,322	5,069	6,830	8,350	6,267	6,240
Difference	300	335	-385	-1,415	-1,843	-1,713	-100	76	612	1,295	1,035	1,942
Percent Difference	5.5%	5.0%	-3.3%	-15.4%	-14.2%	-13.8%	-1.9%	1.5%	9.8%	18.4%	19.8%	45.2%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	4,704	4,649	8,991	8,575	8,926	8,732	4,303	4,373	5,890	6,064	5,893	4,491
WSIP 2070 With Project	4,469	5,306	7,436	7,815	8,299	8,371	4,270	4,440	6,428	6,957	6,152	5,662
Difference	-235	657	-1,555	-760	-627	-361	-33	67	538	893	259	1,171
Percent Difference	-5.0%	14.1%	-17.3%	-8.9%	-7.0%	-4.1%	-0.8%	1.5%	9.1%	14.7%	4.4%	26.1%

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

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

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





Table SW-16-a  
Sacramento River at Verona, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	8,936	11,735	19,468	29,963	35,884	30,626	16,864	9,948	11,234	15,543	11,560	14,939
WSIP 2070 With Project	9,245	11,796	18,683	28,540	34,767	29,421	16,643	9,882	11,521	16,600	12,083	15,985
Difference	309	60	-785	-1,422	-1,117	-1,205	-220	-66	287	1,057	524	1,046
Percent Difference <sup>2</sup>	3.5%	0.5%	-4.0%	-4.7%	-3.1%	-3.9%	-1.3%	-0.7%	2.6%	6.8%	4.5%	7.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	10,840	14,429	22,543	49,795	54,978	46,227	27,438	11,665	12,729	17,422	13,144	24,130
WSIP 2070 With Project	11,440	13,951	21,045	48,803	54,434	45,540	27,205	11,491	12,907	17,681	13,410	24,218
Difference	600	-477	-1,499	-993	-544	-688	-233	-175	178	259	266	88
Percent Difference	5.5%	-3.3%	-6.6%	-2.0%	-1.0%	-1.5%	-0.8%	-1.5%	1.4%	1.5%	2.0%	0.4%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	10,923	14,685	16,804	36,450	49,872	38,788	16,129	11,281	12,426	17,748	13,924	19,234
WSIP 2070 With Project	11,395	14,675	16,281	34,834	48,785	37,276	15,518	11,095	12,296	19,824	14,160	18,938
Difference	472	-10	-522	-1,616	-1,088	-1,513	-611	-185	-130	2,075	236	-296
Percent Difference	4.3%	-0.1%	-3.1%	-4.4%	-2.2%	-3.9%	-3.8%	-1.6%	-1.0%	11.7%	1.7%	-1.5%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	7,539	12,168	23,103	23,304	25,055	24,153	13,347	10,025	11,118	17,746	12,561	9,696
WSIP 2070 With Project	8,207	12,489	23,516	20,760	23,892	22,180	13,221	9,766	11,520	18,964	13,016	11,537
Difference	667	320	412	-2,545	-1,162	-1,973	-126	-258	401	1,218	455	1,841
Percent Difference	8.9%	2.6%	1.8%	-10.9%	-4.6%	-8.2%	-0.9%	-2.6%	3.6%	6.9%	3.6%	19.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	8,000	9,728	19,213	14,948	22,869	20,795	10,505	8,742	10,281	13,719	9,228	8,872
WSIP 2070 With Project	8,012	10,050	18,816	13,584	20,731	19,047	10,357	9,047	10,698	15,130	10,554	11,218
Difference	12	323	-397	-1,365	-2,137	-1,748	-147	304	417	1,411	1,326	2,346
Percent Difference	0.2%	3.3%	-2.1%	-9.1%	-9.3%	-8.4%	-1.4%	3.5%	4.1%	10.3%	14.4%	26.4%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	6,064	6,073	11,734	13,282	15,116	12,740	9,034	6,930	8,616	10,099	8,760	6,881
WSIP 2070 With Project	5,700	6,644	10,310	12,226	14,481	12,431	8,973	6,799	9,178	11,190	8,844	8,204
Difference	-364	571	-1,424	-1,056	-635	-309	-60	-131	561	1,090	83	1,322
Percent Difference	-6.0%	9.4%	-12.1%	-8.0%	-4.2%	-2.4%	-0.7%	-1.9%	6.5%	10.8%	1.0%	19.2%

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

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

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

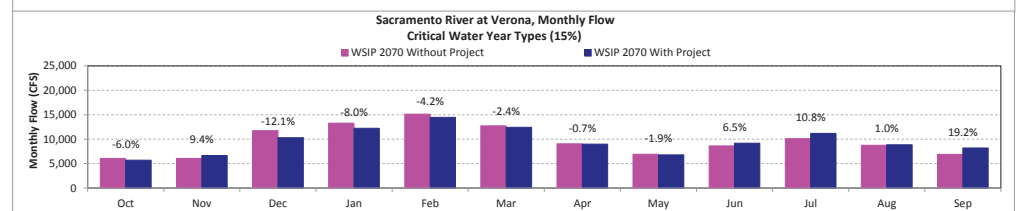
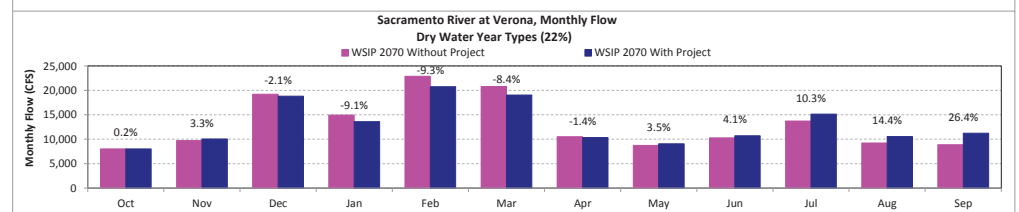
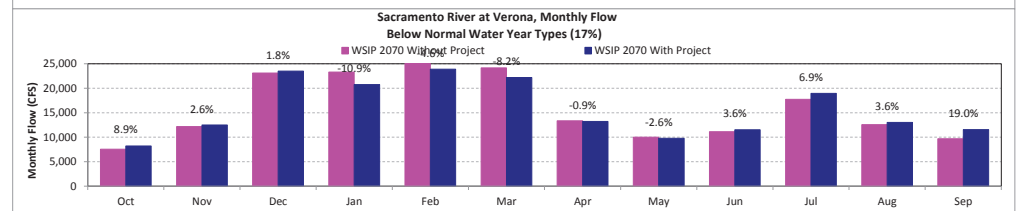
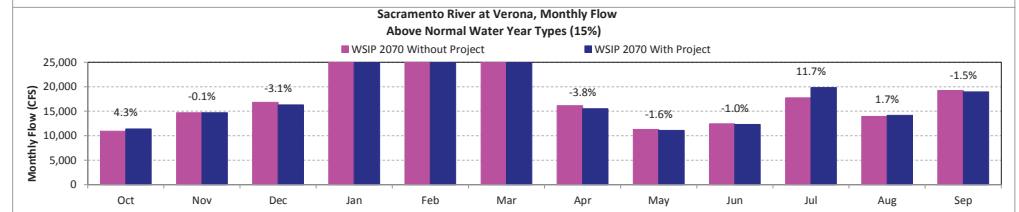
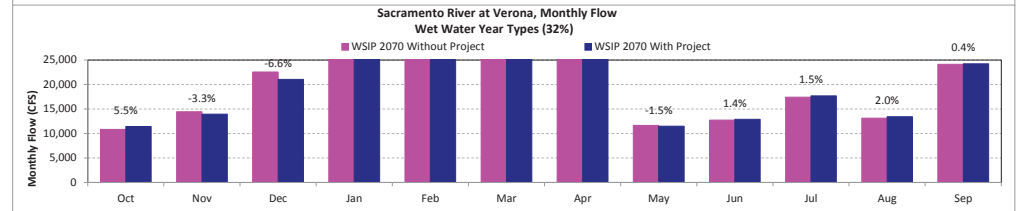
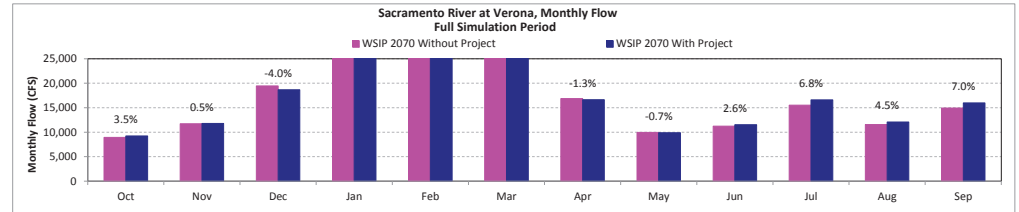


Table SW-17-a  
Sacramento River at Freeport, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	10,851	14,509	23,754	35,618	43,165	36,153	20,823	11,953	13,242	18,903	13,306	16,798
WSIP 2070 With Project	11,271	14,663	23,051	34,304	42,108	34,977	20,591	11,971	13,621	19,414	13,909	17,866
Difference	420	154	-703	-1,314	-1,057	-1,176	-232	18	378	511	603	1,067
Percent Difference <sup>2</sup>	3.9%	1.1%	-3.0%	-3.7%	-2.4%	-3.3%	-1.1%	0.1%	2.9%	2.7%	4.5%	6.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	13,096	17,676	27,408	58,309	64,949	54,398	33,632	13,999	14,957	21,217	15,201	27,226
WSIP 2070 With Project	13,850	17,290	25,915	57,473	64,483	53,813	33,421	13,859	15,191	21,285	15,588	27,164
Difference	754	-386	-1,493	-836	-466	-585	-211	-140	234	68	387	-63
Percent Difference	5.8%	-2.2%	-5.4%	-1.4%	-0.7%	-1.1%	-0.6%	-1.0%	1.6%	0.3%	2.5%	-0.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	12,992	17,385	21,102	44,953	60,476	44,687	20,012	13,429	14,208	22,490	15,487	20,904
WSIP 2070 With Project	13,544	17,511	20,732	43,374	59,608	43,186	19,405	13,315	14,300	23,268	16,054	20,666
Difference	552	126	-370	-1,579	-868	-1,502	-606	-115	92	778	567	-238
Percent Difference	4.3%	0.7%	-1.8%	-3.5%	-1.4%	-3.4%	-3.0%	-0.9%	0.6%	3.5%	3.7%	-1.1%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	9,419	15,895	28,000	27,999	31,304	29,983	17,160	11,956	13,252	21,520	14,477	11,303
WSIP 2070 With Project	10,208	16,383	28,571	25,552	30,235	28,023	17,047	11,795	13,671	21,891	15,036	13,288
Difference	788	489	571	-2,447	-1,069	-1,960	-113	-160	420	371	559	1,986
Percent Difference	8.4%	3.1%	2.0%	-8.7%	-3.4%	-6.5%	-0.7%	-1.3%	3.2%	1.7%	3.9%	17.6%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	9,899	12,195	23,668	18,133	28,551	24,837	13,053	10,783	12,370	16,454	10,893	10,082
WSIP 2070 With Project	10,035	12,605	23,427	16,857	26,363	23,065	12,717	11,194	12,948	17,338	12,173	12,552
Difference	136	410	-241	-1,276	-2,188	-1,771	-336	411	578	884	1,281	2,470
Percent Difference	1.4%	3.4%	-1.0%	-7.0%	-7.7%	-7.1%	-2.6%	3.8%	4.7%	5.4%	11.8%	24.5%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	7,163	7,369	13,812	15,294	17,307	14,344	10,734	8,114	10,084	11,845	9,954	7,586
WSIP 2070 With Project	6,812	7,929	12,367	14,351	16,694	14,027	10,843	8,131	10,660	12,603	9,979	8,967
Difference	-351	560	-1,445	-943	-613	-317	110	18	576	758	24	1,381
Percent Difference	-4.9%	7.6%	-10.5%	-6.2%	-3.5%	-2.2%	1.0%	0.2%	5.7%	6.4%	0.2%	18.2%

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

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

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

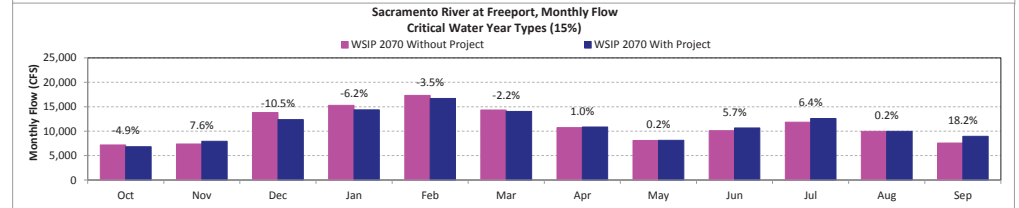
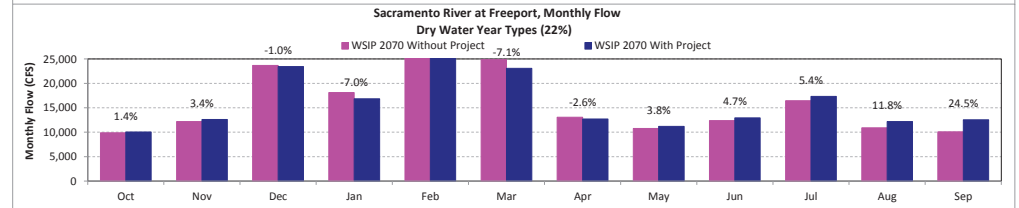
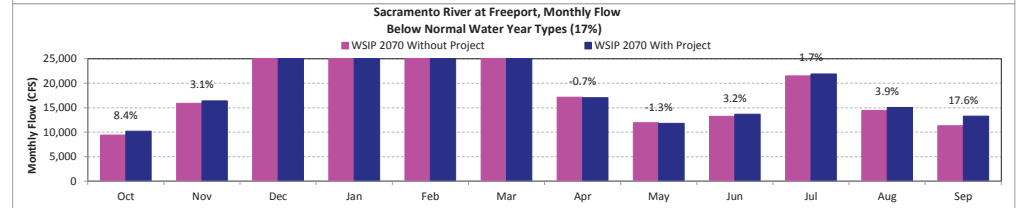
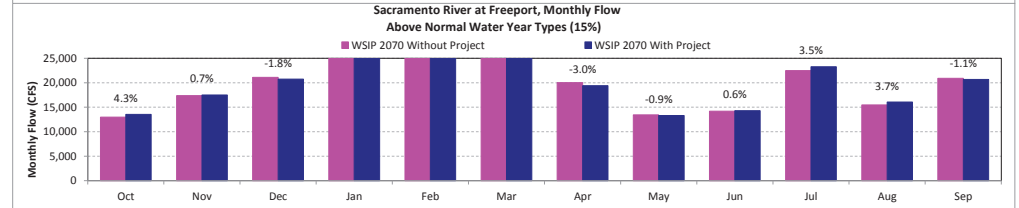
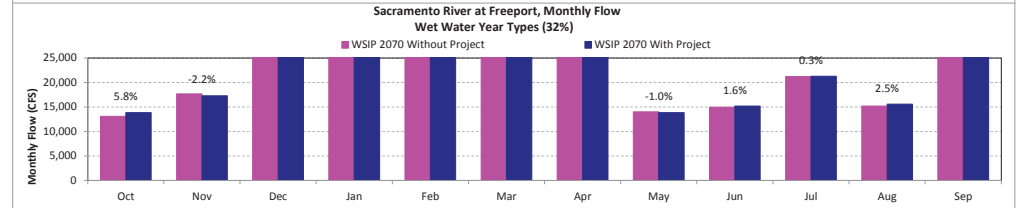
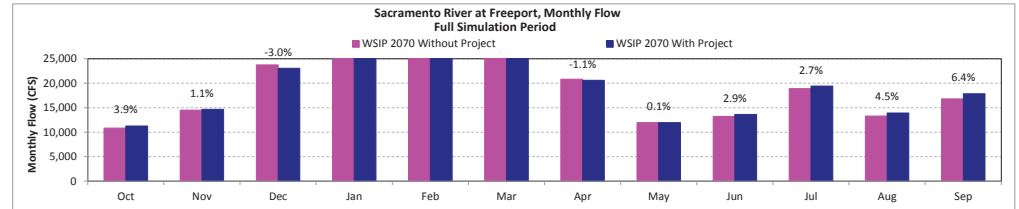


Table SW-18-a  
Lake Oroville, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	1,205	1,248	1,548	1,946	2,273	2,499	2,660	2,620	2,374	1,871	1,549	1,287
WSIP 2070 With Project	1,293	1,329	1,610	1,992	2,314	2,534	2,694	2,651	2,431	1,959	1,647	1,383
Difference	88	80	62	46	41	35	34	31	57	88	98	96
Percent Difference <sup>2</sup>	7.3%	6.4%	4.0%	2.4%	1.8%	1.4%	1.3%	1.2%	2.4%	4.7%	6.3%	7.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,404	1,372	1,691	2,719	2,895	2,942	3,226	3,258	3,001	2,448	2,039	1,585
WSIP 2070 With Project	1,485	1,448	1,730	2,719	2,891	2,942	3,226	3,258	3,039	2,529	2,142	1,695
Difference	81	76	39	1	-4	0	0	0	38	81	103	110
Percent Difference	5.8%	5.6%	2.3%	0.0%	-0.1%	0.0%	0.0%	0.0%	1.3%	3.3%	5.0%	6.9%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,276	1,294	1,388	2,185	2,736	2,962	3,196	3,166	2,898	2,298	1,832	1,392
WSIP 2070 With Project	1,418	1,425	1,511	2,262	2,780	2,962	3,196	3,165	2,939	2,414	1,975	1,549
Difference	142	131	123	77	44	0	0	-1	42	116	143	157
Percent Difference	11.1%	10.1%	8.9%	3.5%	1.6%	0.0%	0.0%	0.0%	1.4%	5.1%	7.8%	11.3%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,113	1,192	1,607	1,636	2,046	2,482	2,656	2,609	2,334	1,732	1,347	1,184
WSIP 2070 With Project	1,268	1,322	1,702	1,693	2,102	2,530	2,698	2,644	2,410	1,872	1,508	1,353
Difference	155	130	95	57	56	47	42	35	76	139	161	170
Percent Difference	13.9%	10.9%	5.9%	3.5%	2.7%	1.9%	1.6%	1.3%	3.3%	8.0%	12.0%	14.3%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,165	1,283	1,620	1,430	1,859	2,216	2,274	2,167	1,913	1,457	1,253	1,140
WSIP 2070 With Project	1,189	1,308	1,646	1,485	1,913	2,268	2,327	2,206	1,962	1,507	1,283	1,147
Difference	25	24	26	55	55	52	54	39	49	50	29	7
Percent Difference	2.1%	1.9%	1.6%	3.8%	2.9%	2.3%	2.4%	1.8%	2.5%	3.4%	2.3%	0.6%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	875	941	1,203	1,247	1,435	1,607	1,588	1,507	1,346	1,073	942	903
WSIP 2070 With Project	963	1,022	1,283	1,339	1,533	1,708	1,689	1,618	1,451	1,158	1,031	979
Difference	87	82	80	92	98	101	101	111	106	86	89	76
Percent Difference	10.0%	8.7%	6.7%	7.4%	6.8%	6.3%	6.4%	7.4%	7.8%	8.0%	9.5%	8.4%

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

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

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



Table SW-19-a  
Lake Oroville, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	689	694	726	767	800	821	833	829	808	763	729	699
WSIP 2070 With Project	700	704	733	773	804	825	836	832	814	772	740	711
Difference	11	10	7	5	4	4	4	3	6	9	11	12
Percent Difference <sup>2</sup>	1.7%	1.5%	1.0%	0.7%	0.6%	0.4%	0.4%	0.4%	0.7%	1.2%	1.6%	1.7%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	714	709	741	842	856	859	879	881	863	821	784	735
WSIP 2070 With Project	724	718	745	842	856	859	879	881	866	829	794	747
Difference	9	9	4	0	0	0	0	0	3	7	10	12
Percent Difference	1.3%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.9%	1.3%	1.7%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	700	700	708	793	844	861	877	875	856	811	765	715
WSIP 2070 With Project	717	716	723	802	848	861	877	874	859	821	780	733
Difference	17	16	15	8	4	0	0	3	7	16	19	19
Percent Difference	2.5%	2.3%	2.2%	1.0%	0.4%	0.0%	0.0%	0.3%	0.8%	2.0%	2.6%	2.6%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	679	689	733	738	783	824	838	835	812	753	709	689
WSIP 2070 With Project	700	706	744	745	788	827	841	838	819	769	728	710
Difference	20	17	11	6	5	3	3	3	7	16	19	21
Percent Difference	3.0%	2.4%	1.5%	0.8%	0.7%	0.4%	0.3%	0.3%	0.9%	2.1%	2.7%	3.1%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	683	697	733	718	765	800	804	794	771	722	697	682
WSIP 2070 With Project	686	700	736	724	770	805	809	798	775	727	700	683
Difference	3	3	3	6	6	5	5	3	4	5	3	1
Percent Difference	0.4%	0.4%	0.4%	0.9%	0.7%	0.6%	0.6%	0.4%	0.5%	0.7%	0.5%	0.1%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	642	653	689	694	716	735	733	724	704	669	650	645
WSIP 2070 With Project	658	667	700	706	728	748	746	738	719	683	666	659
Difference	16	14	11	13	13	13	13	14	15	14	15	14
Percent Difference	2.5%	2.1%	1.6%	1.8%	1.8%	1.7%	1.8%	1.9%	2.1%	2.1%	2.4%	2.1%

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

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

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



Table SW-20-a  
Lake Oroville, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	7,324	7,496	8,660	10,178	11,411	12,244	12,780	12,632	11,766	9,940	8,709	7,667
WSIP 2070 With Project	7,695	7,830	8,912	10,367	11,571	12,377	12,912	12,752	11,977	10,280	9,098	8,063
Difference	370	334	252	189	160	133	132	120	211	340	390	396
Percent Difference <sup>2</sup>	5.1%	4.5%	2.9%	1.9%	1.4%	1.1%	1.0%	0.9%	1.8%	3.4%	4.5%	5.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	8,156	8,006	9,213	13,049	13,661	13,817	14,763	14,871	14,012	12,123	10,639	8,876
WSIP 2070 With Project	8,480	8,309	9,361	13,050	13,649	13,819	14,763	14,871	14,141	12,416	11,023	9,312
Difference	324	303	148	1	-12	1	0	0	128	293	385	436
Percent Difference	4.0%	3.8%	1.6%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.9%	2.4%	3.6%	4.9%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	7,639	7,696	8,028	11,109	13,119	13,884	14,665	14,564	13,670	11,624	9,895	8,140
WSIP 2070 With Project	8,227	8,236	8,540	11,405	13,271	13,884	14,664	14,559	13,808	12,028	10,440	8,781
Difference	589	540	512	295	151	0	-1	-5	138	403	546	641
Percent Difference	7.7%	7.0%	6.4%	2.7%	1.2%	0.0%	0.0%	0.0%	1.0%	3.5%	5.5%	7.9%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	6,976	7,298	8,902	9,049	10,633	12,242	12,847	12,687	11,723	9,486	7,956	7,275
WSIP 2070 With Project	7,629	7,841	9,276	9,271	10,839	12,397	12,986	12,807	11,997	10,038	8,614	7,982
Difference	653	543	374	223	206	155	139	120	274	551	659	707
Percent Difference	9.4%	7.4%	4.2%	2.5%	1.9%	1.3%	1.1%	0.9%	2.3%	5.8%	8.3%	9.7%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	7,150	7,631	8,929	8,275	9,944	11,284	11,477	11,083	10,153	8,389	7,558	7,083
WSIP 2070 With Project	7,250	7,728	9,035	8,500	10,151	11,473	11,671	11,219	10,322	8,582	7,676	7,108
Difference	99	97	107	224	208	190	194	137	168	193	118	25
Percent Difference	1.4%	1.3%	1.2%	2.7%	2.1%	1.7%	1.7%	1.2%	1.7%	2.3%	1.6%	0.4%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	5,901	6,198	7,329	7,498	8,256	8,937	8,855	8,535	7,890	6,744	6,173	6,011
WSIP 2070 With Project	6,317	6,580	7,679	7,900	8,670	9,358	9,280	8,999	8,348	7,142	6,594	6,376
Difference	416	382	350	402	414	421	426	464	458	398	421	365
Percent Difference	7.0%	6.2%	4.8%	5.4%	5.0%	4.7%	4.8%	5.4%	5.8%	5.9%	6.8%	6.1%

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

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

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

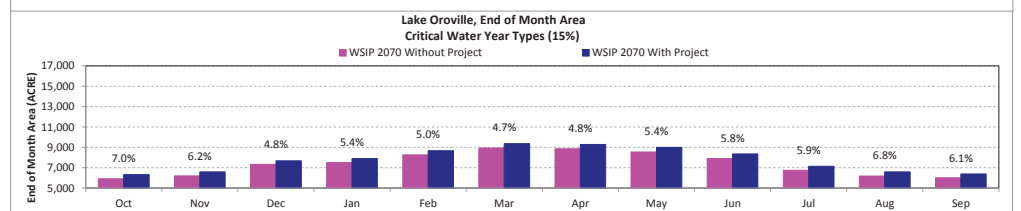
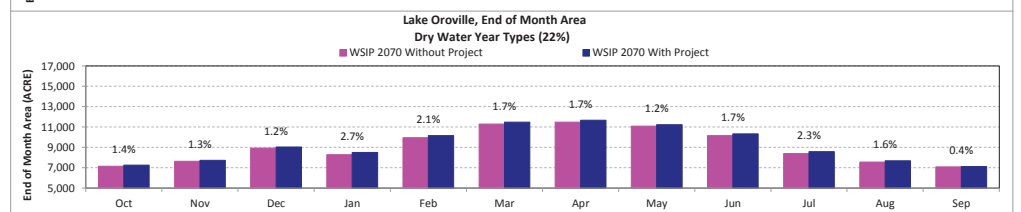
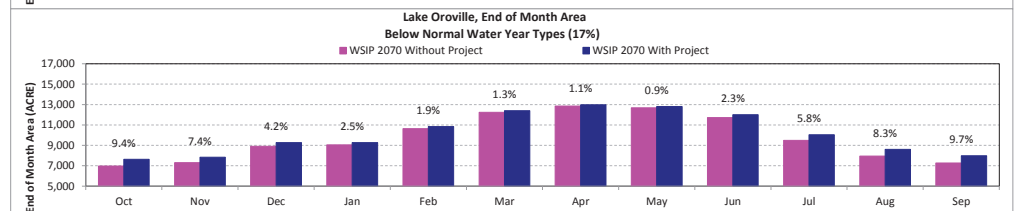
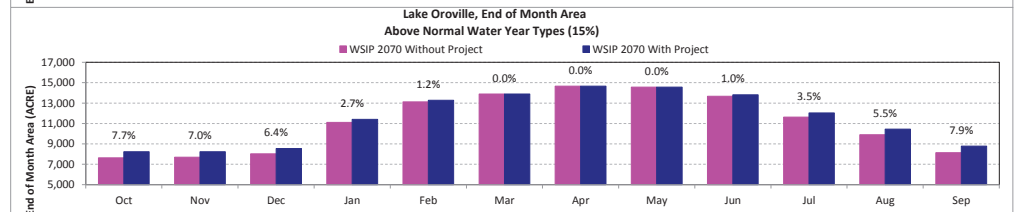
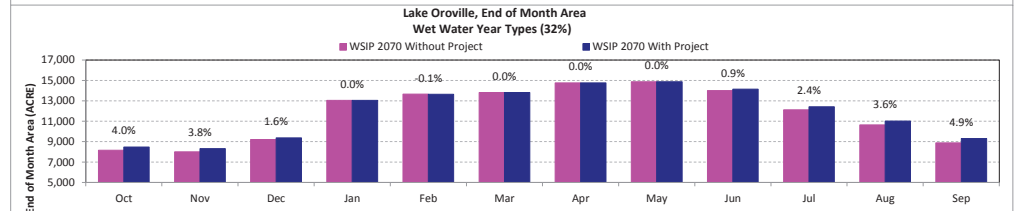
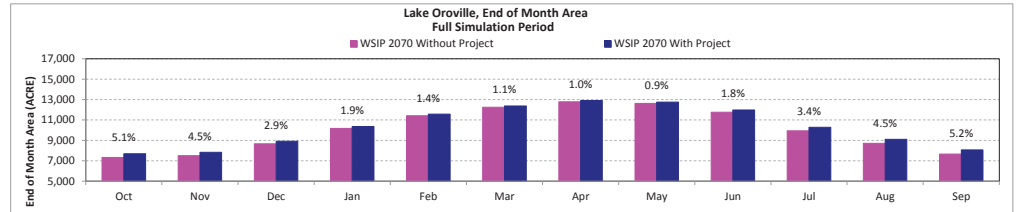


Table SW-21-a  
Feather River at Thermalito Low Flow Channel, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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

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

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

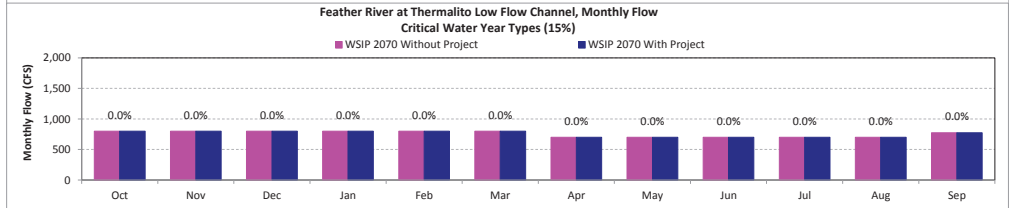
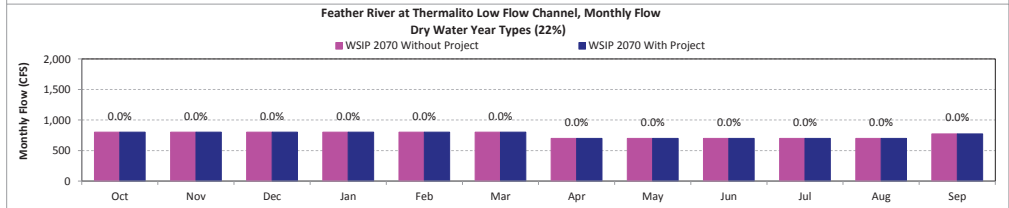
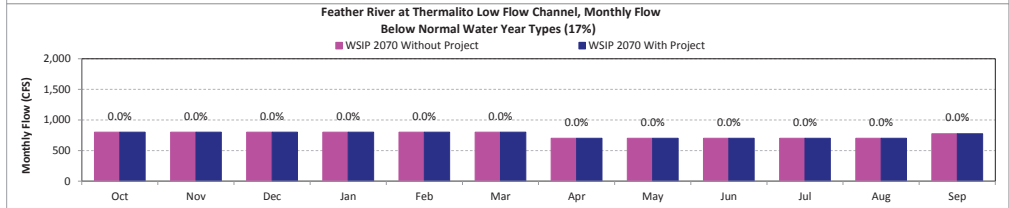
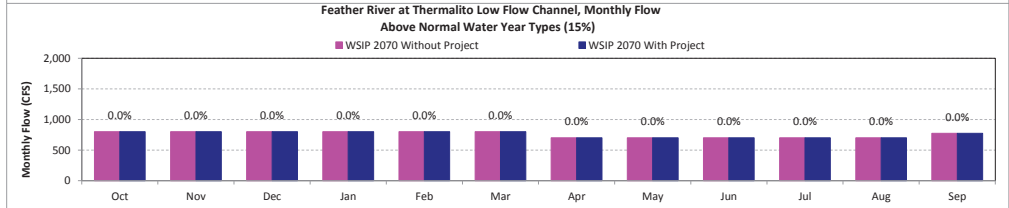
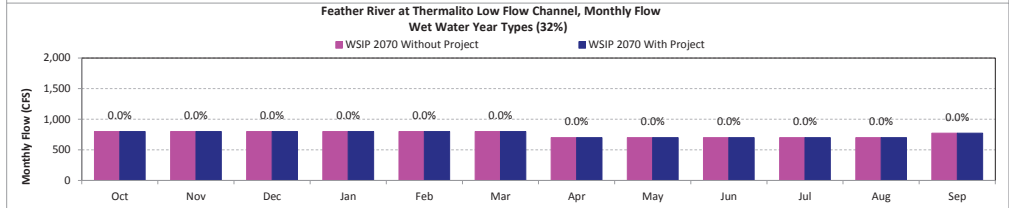
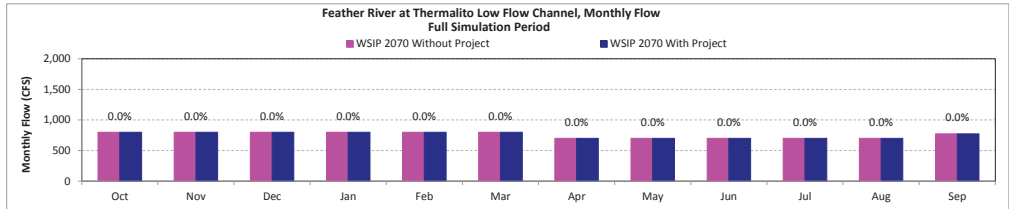


Table SW-22-a  
Feather River below Thermalito, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	2,748	1,920	2,859	5,848	9,110	7,995	2,358	1,663	3,107	7,016	4,915	4,815
WSIP 2070 With Project	2,711	1,882	3,096	6,091	9,211	8,094	2,354	1,700	2,642	6,493	4,704	4,811
Difference	-38	-38	237	243	101	99	-4	37	-465	-523	-211	-4
Percent Difference <sup>2</sup>	-1.4%	-2.0%	8.3%	4.2%	1.1%	1.2%	-0.2%	2.3%	-15.0%	-7.5%	-4.3%	-0.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	3,778	2,446	3,438	14,244	20,879	17,306	4,153	1,759	3,627	8,066	6,421	8,049
WSIP 2070 With Project	3,964	2,405	3,970	14,701	20,961	17,243	4,149	1,749	2,972	7,352	6,044	7,913
Difference	186	-41	531	458	82	-63	-4	-10	-655	-714	-377	-136
Percent Difference	4.9%	-1.7%	15.5%	3.2%	0.4%	-0.4%	-0.1%	-0.6%	-18.1%	-8.9%	-5.9%	-1.7%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	3,837	2,336	3,213	3,975	10,866	9,196	1,324	1,652	3,571	8,429	7,279	7,144
WSIP 2070 With Project	3,938	2,368	3,344	4,506	11,442	9,903	1,323	1,655	2,835	7,197	6,826	6,893
Difference	102	32	130	531	576	708	-1	3	-736	-1,232	-453	-251
Percent Difference	2.6%	1.4%	4.0%	13.4%	5.3%	7.7%	-0.1%	0.2%	-20.6%	-14.6%	-6.2%	-3.5%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2,123	1,977	2,152	1,715	2,301	1,909	1,827	1,549	3,187	8,357	5,798	3,060
WSIP 2070 With Project	2,037	1,992	2,611	1,919	2,327	2,045	1,912	1,642	2,477	7,287	5,347	2,898
Difference	-86	15	459	204	26	136	85	93	-710	-1,070	-451	-162
Percent Difference	-4.1%	0.8%	21.3%	11.9%	1.1%	7.1%	4.7%	6.0%	-22.3%	-12.8%	-7.8%	-5.3%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,978	1,452	3,156	1,410	1,848	2,954	1,627	1,748	2,779	6,050	2,841	2,395
WSIP 2070 With Project	1,664	1,385	3,076	1,410	1,853	2,995	1,579	1,969	2,580	6,057	3,061	2,732
Difference	-314	-66	-81	0	5	41	-49	222	-199	7	220	336
Percent Difference	-15.9%	-4.6%	-2.6%	0.0%	0.3%	1.4%	-3.0%	12.7%	-7.1%	0.1%	7.7%	14.0%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	1,481	1,117	1,550	1,248	1,479	1,713	1,212	1,446	2,013	3,605	1,983	1,606
WSIP 2070 With Project	1,342	1,012	1,536	1,212	1,430	1,661	1,181	1,250	2,033	3,853	1,896	1,717
Difference	-139	-105	-13	-36	-49	-52	-31	-196	20	249	-87	111
Percent Difference	-9.4%	-9.4%	-0.8%	-2.9%	-3.3%	-3.0%	-2.5%	-13.6%	1.0%	6.9%	-4.4%	6.9%

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

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

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

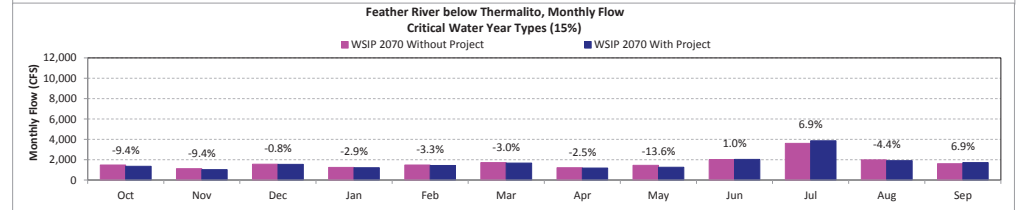
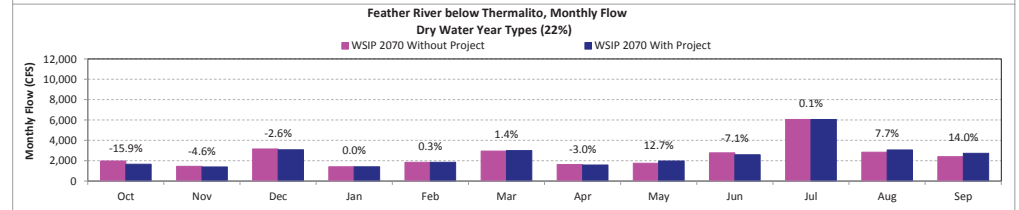
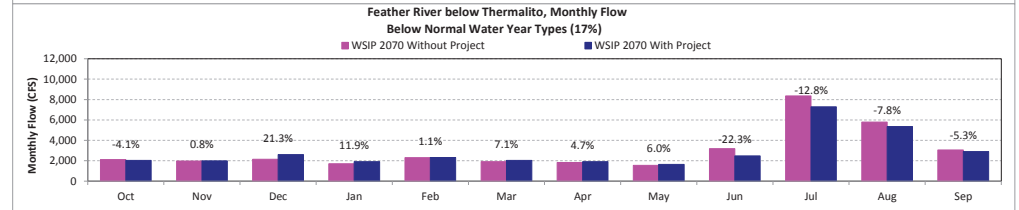
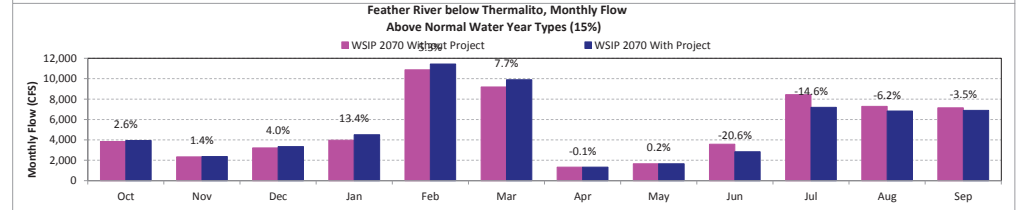
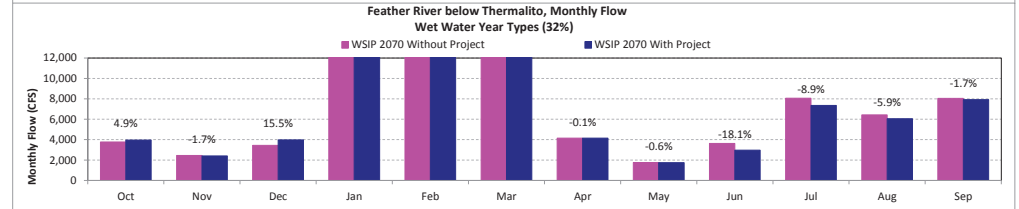
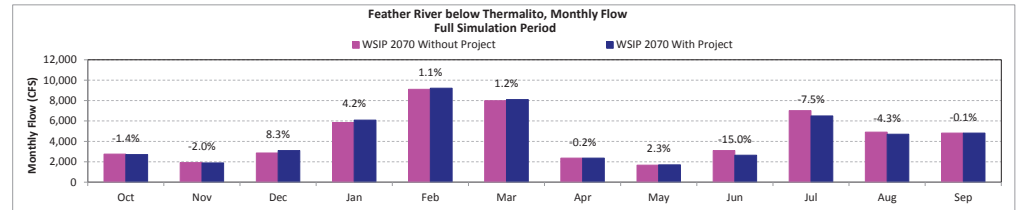


Table SW-23-a  
Feather River at Mouth, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	3,181	2,644	5,749	14,807	19,074	16,553	7,233	3,577	4,072	7,230	5,696	6,512
WSIP 2070 With Project	3,147	2,606	5,989	15,034	19,154	16,638	7,231	3,617	3,610	6,732	5,499	6,536
Difference	-34	-38	239	226	80	85	-1	40	-462	-498	-197	24
Percent Difference <sup>2</sup>	-1.1%	-1.4%	4.2%	1.5%	0.4%	0.5%	0.0%	1.1%	-11.3%	-6.9%	-3.5%	0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	4,134	3,206	7,830	32,171	39,076	31,578	13,230	4,256	5,159	8,644	7,485	10,064
WSIP 2070 With Project	4,322	3,165	8,363	32,593	39,139	31,507	13,229	4,249	4,506	7,936	7,120	9,947
Difference	188	-41	533	422	62	-72	-1	-8	-653	-708	-365	-118
Percent Difference	4.5%	-1.3%	6.8%	1.3%	0.2%	-0.2%	0.0%	-0.2%	-12.7%	-8.2%	-4.9%	-1.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	4,279	2,923	4,830	13,777	28,099	20,826	6,359	3,914	5,002	8,651	8,240	9,108
WSIP 2070 With Project	4,382	2,955	4,960	14,306	28,668	21,526	6,357	3,920	4,267	7,422	7,783	8,859
Difference	102	31	130	529	569	700	-2	6	-735	-1,228	-456	-249
Percent Difference	2.4%	1.1%	2.7%	3.8%	2.0%	3.4%	0.0%	0.1%	-14.7%	-14.2%	-5.5%	-2.7%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2,606	3,033	6,449	6,577	6,827	9,561	4,952	3,771	4,088	8,688	6,684	4,896
WSIP 2070 With Project	2,522	3,049	6,908	6,766	6,782	9,656	5,039	3,865	3,379	7,640	6,231	4,739
Difference	-84	16	460	189	-46	95	87	94	-709	-1,048	-452	-157
Percent Difference	-3.2%	0.5%	7.1%	2.9%	-0.7%	1.0%	1.8%	2.5%	-17.3%	-12.1%	-6.8%	-3.2%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	2,671	2,288	5,485	4,833	5,396	7,337	3,862	3,230	3,287	5,907	3,376	4,163
WSIP 2070 With Project	2,360	2,222	5,409	4,828	5,399	7,362	3,818	3,457	3,092	5,992	3,658	4,563
Difference	-311	-66	-76	-5	3	24	-44	227	-196	85	282	399
Percent Difference	-11.6%	-2.9%	-1.4%	-0.1%	0.1%	0.3%	-1.1%	7.0%	-6.0%	1.4%	8.4%	9.6%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	1,578	1,343	1,765	3,670	3,529	3,018	3,128	2,162	2,152	3,491	2,283	2,100
WSIP 2070 With Project	1,456	1,237	1,756	3,622	3,463	2,966	3,101	1,968	2,179	3,737	2,170	2,250
Difference	-122	-106	-8	-48	-66	-52	-27	-194	27	247	-113	150
Percent Difference	-7.7%	-7.9%	-0.5%	-1.3%	-1.9%	-1.7%	-0.9%	-9.0%	1.2%	7.1%	-5.0%	7.1%

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

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

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

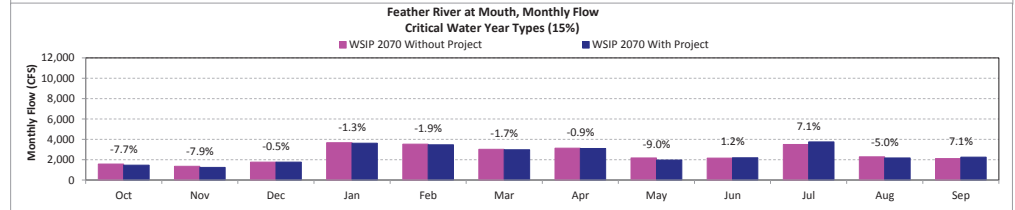
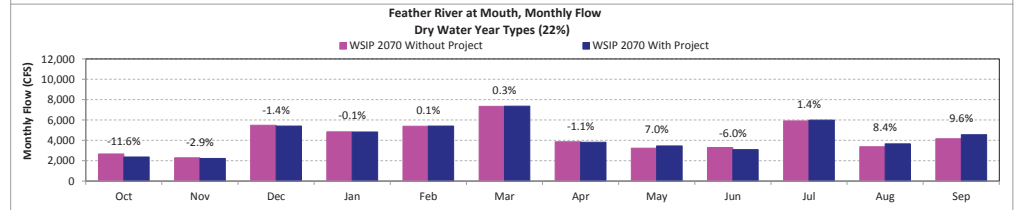
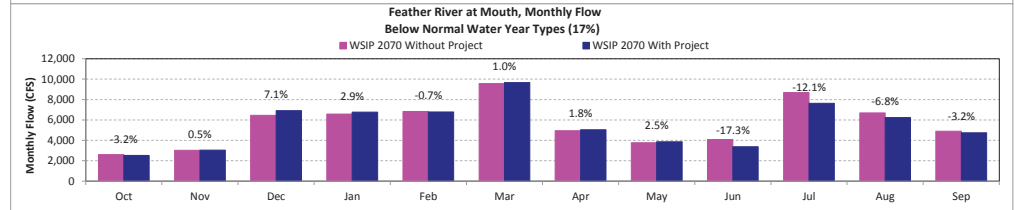
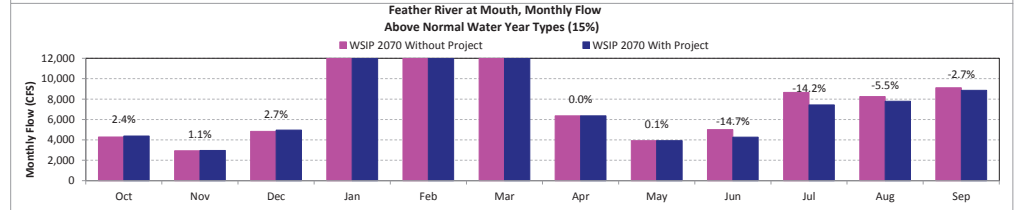
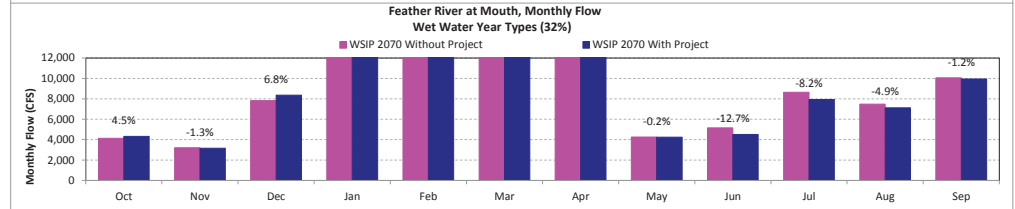
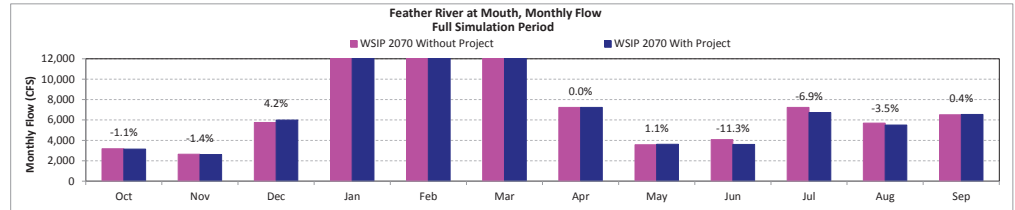




Table SW-24-a  
Folsom Lake, End of Month Storage  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	342	341	399	453	481	591	681	679	605	448	413	377
WSIP 2070 With Project	355	350	404	455	483	593	684	677	598	473	433	396
Difference	14	9	5	2	2	2	3	-2	-7	26	20	19
Percent Difference <sup>2</sup>	4.0%	2.5%	1.2%	0.5%	0.4%	0.4%	0.5%	-0.3%	-1.2%	5.7%	4.9%	5.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	371	365	441	522	509	624	760	808	727	557	516	425
WSIP 2070 With Project	371	359	435	522	509	624	759	805	720	562	513	431
Difference	-1	-5	-6	0	0	0	-1	-3	-7	4	-3	6
Percent Difference	-0.2%	-1.5%	-1.3%	0.0%	0.0%	0.0%	-0.1%	-0.4%	-0.9%	0.7%	-0.7%	1.5%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	373	362	382	514	550	644	767	768	709	472	451	420
WSIP 2070 With Project	407	388	400	519	550	644	766	764	691	534	493	459
Difference	34	26	18	5	0	0	0	-4	-17	62	42	39
Percent Difference	9.0%	7.2%	4.6%	1.0%	0.0%	0.0%	0.0%	-0.6%	-2.5%	13.1%	9.2%	9.3%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	378	371	411	474	509	627	731	719	643	462	427	417
WSIP 2070 With Project	404	387	419	479	510	628	731	713	635	507	465	448
Difference	26	16	8	4	1	1	0	-6	-8	44	38	31
Percent Difference	6.8%	4.3%	1.9%	0.9%	0.3%	0.1%	0.0%	-0.9%	-1.2%	9.6%	8.9%	7.4%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	334	345	379	411	479	597	653	601	515	383	350	349
WSIP 2070 With Project	351	358	386	406	478	598	666	607	511	411	380	373
Difference	17	13	8	-5	-1	1	12	6	-4	28	29	24
Percent Difference	5.1%	3.8%	2.0%	-1.2%	-0.2%	0.2%	1.9%	1.0%	-0.7%	7.2%	8.4%	6.7%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	221	233	342	296	333	419	421	407	354	279	246	235
WSIP 2070 With Project	229	240	351	311	346	433	425	401	350	295	263	246
Difference	9	7	9	14	14	14	4	-5	-4	16	17	11
Percent Difference	3.9%	3.1%	2.6%	4.9%	4.1%	3.2%	0.9%	-1.3%	-1.2%	5.7%	6.9%	4.8%

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

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

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



Table SW-25-a  
Folsom Lake, End of Month Elevation  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	391	392	400	408	412	426	435	435	427	406	401	396
WSIP 2070 With Project	394	393	401	408	412	426	436	435	426	410	405	400
Difference	3	2	1	1	0	0	0	0	-1	4	4	4
Percent Difference <sup>2</sup>	0.7%	0.5%	0.3%	0.1%	0.1%	0.1%	0.0%	-0.1%	-0.2%	1.0%	0.9%	0.9%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	397	396	407	418	416	430	445	449	441	421	417	404
WSIP 2070 With Project	396	395	406	418	416	430	445	449	440	422	417	405
Difference	0	-1	-1	0	0	0	0	0	-1	1	0	1
Percent Difference	0.0%	-0.2%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	0.2%	0.0%	0.4%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	398	396	399	416	421	433	445	446	440	411	408	405
WSIP 2070 With Project	403	400	402	417	421	433	445	445	438	419	414	410
Difference	5	4	3	1	0	0	0	-1	-2	8	6	5
Percent Difference	1.2%	1.0%	0.7%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.4%	2.0%	1.4%	1.3%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	398	397	403	411	416	431	442	440	432	409	405	404
WSIP 2070 With Project	403	400	404	412	416	431	442	440	431	416	411	408
Difference	4	3	1	1	0	0	0	-1	-1	7	6	5
Percent Difference	1.0%	0.7%	0.3%	0.2%	0.0%	0.0%	0.0%	-0.2%	-0.2%	1.6%	1.4%	1.1%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	390	393	397	402	412	427	433	427	417	398	393	393
WSIP 2070 With Project	394	395	399	401	412	427	435	428	416	403	398	398
Difference	4	3	3	1	-1	0	1	1	0	5	6	5
Percent Difference	1.0%	0.6%	0.4%	-0.1%	0.0%	0.0%	0.3%	0.2%	-0.1%	1.2%	1.4%	1.2%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	367	369	391	383	390	403	403	401	393	380	373	370
WSIP 2070 With Project	371	373	393	387	392	404	402	399	392	384	378	374
Difference	3	3	3	4	2	1	-1	-2	-1	3	5	4
Percent Difference	0.9%	0.8%	0.7%	0.9%	0.5%	0.3%	-0.3%	-0.5%	-0.2%	0.9%	1.2%	1.0%

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

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

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



Table SW-26-a  
Folsom Lake, End of Month Area  
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	6,031	6,051	6,684	7,218	7,537	8,580	9,213	9,162	8,588	7,129	6,776	6,409
WSIP 2070 With Project	6,219	6,172	6,763	7,260	7,560	8,599	9,228	9,142	8,527	7,426	7,045	6,666
Difference	188	121	79	42	23	19	14	-20	-60	298	269	258
Percent Difference <sup>2</sup>	3.1%	2.0%	1.2%	0.6%	0.3%	0.2%	0.2%	-0.2%	-0.7%	4.2%	4.0%	4.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	6,390	6,367	7,154	7,964	7,849	8,910	9,858	10,136	9,609	8,223	7,874	6,937
WSIP 2070 With Project	6,384	6,304	7,092	7,964	7,849	8,910	9,850	10,115	9,561	8,295	7,880	7,044
Difference	-6	-63	-63	0	0	0	-7	-21	-48	72	6	108
Percent Difference	-0.1%	-1.0%	-0.9%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.5%	0.9%	0.1%	1.6%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	6,514	6,377	6,576	7,874	8,228	9,092	9,918	9,921	9,538	7,469	7,269	6,985
WSIP 2070 With Project	6,879	6,666	6,784	7,919	8,228	9,092	9,916	9,894	9,411	8,083	7,699	7,385
Difference	365	289	208	46	0	0	-2	-27	-127	614	430	400
Percent Difference	5.6%	4.5%	3.2%	0.6%	0.0%	0.0%	0.0%	-0.3%	-1.3%	8.2%	5.9%	5.7%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	6,537	6,457	6,859	7,463	7,824	8,926	9,670	9,576	9,011	7,322	6,999	6,937
WSIP 2070 With Project	6,308	6,656	6,949	7,516	7,839	8,935	9,660	9,525	8,938	7,807	7,435	7,276
Difference	301	199	90	54	15	9	-11	-51	-73	485	435	339
Percent Difference	4.6%	3.1%	1.3%	0.7%	0.2%	0.1%	-0.1%	-0.5%	-0.8%	6.6%	6.2%	4.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	5,945	6,105	6,458	6,802	7,530	8,658	9,082	8,650	7,895	6,526	6,136	6,150
WSIP 2070 With Project	6,207	6,285	6,571	6,760	7,521	8,668	9,180	8,708	7,863	6,850	6,526	6,477
Difference	262	180	113	-42	-8	10	98	58	-32	324	390	327
Percent Difference	4.4%	2.9%	1.8%	-0.6%	-0.1%	0.1%	1.1%	0.7%	-0.4%	5.0%	6.4%	5.3%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	4,406	4,538	5,953	5,432	5,929	6,890	6,896	6,757	6,199	5,239	4,767	4,597
WSIP 2070 With Project	4,606	4,723	6,149	5,689	6,083	6,993	6,860	6,648	6,140	5,488	5,078	4,844
Difference	200	185	196	257	154	103	-36	-110	-59	250	311	248
Percent Difference	4.5%	4.1%	3.3%	4.7%	2.6%	1.5%	-0.5%	-1.6%	-1.0%	4.8%	6.5%	5.4%

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

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

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

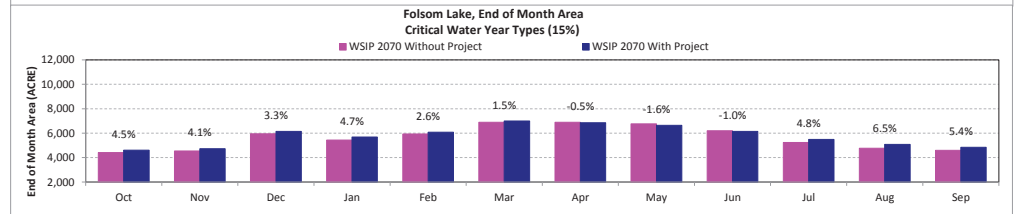
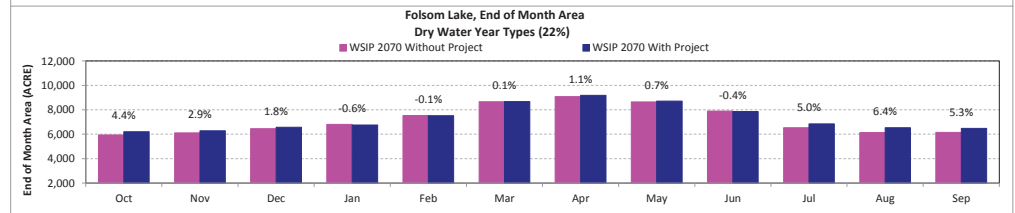
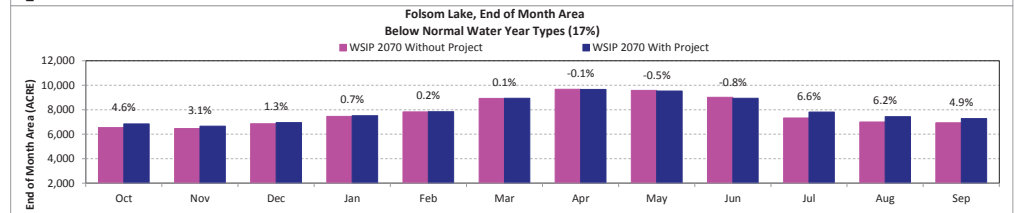
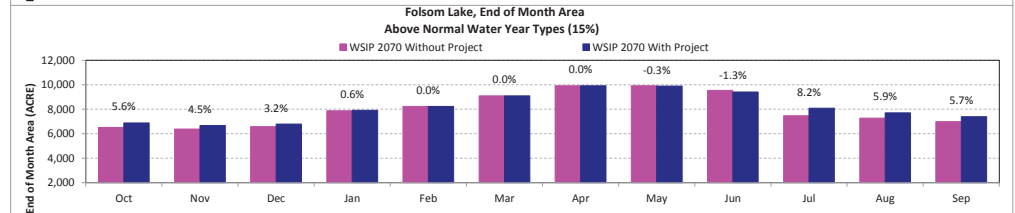
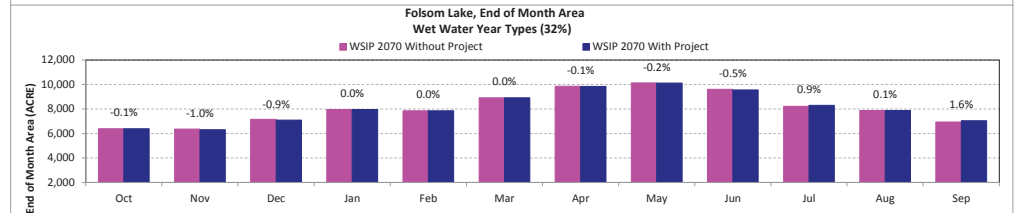
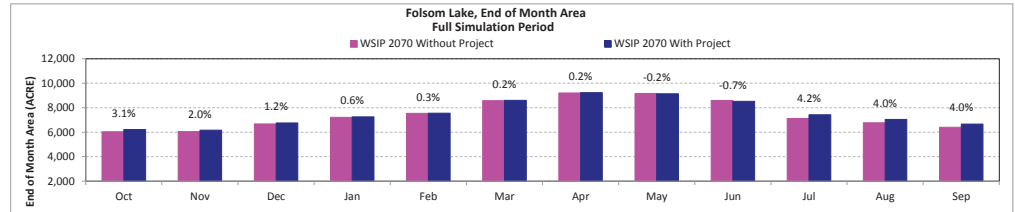


Table SW-27-a  
 American River below Nimbus Reservoir, Monthly Flow  
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	1,427	1,932	3,797	7,300	8,821	5,768	3,255	1,529	1,526	2,961	1,309	1,581
WSIP 2070 With Project	1,515	2,018	3,857	7,345	8,826	5,762	3,241	1,613	1,620	2,417	1,395	1,590
Difference	88	86	59	44	5	-7	-14	84	94	-545	86	9
Percent Difference <sup>2</sup>	6.2%	4.5%	1.6%	0.6%	0.1%	-0.1%	-0.4%	5.5%	6.2%	-18.4%	6.6%	0.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,767	2,361	4,598	15,767	15,292	10,162	5,538	1,999	1,623	3,316	1,552	2,675
WSIP 2070 With Project	1,882	2,440	4,606	15,761	15,292	10,162	5,553	2,035	1,683	3,128	1,671	2,515
Difference	116	79	8	-6	0	0	15	36	60	-188	119	-160
Percent Difference	6.5%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	1.8%	3.7%	-5.7%	7.7%	-6.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,633	2,006	3,254	8,121	13,644	6,186	3,053	1,442	1,322	4,433	1,253	1,546
WSIP 2070 With Project	1,693	2,142	3,393	8,100	13,733	6,186	3,057	1,507	1,545	3,133	1,573	1,588
Difference	60	135	139	-21	89	0	4	66	223	-1,301	320	42
Percent Difference	3.7%	6.7%	4.3%	-0.3%	0.7%	0.0%	0.1%	4.6%	16.8%	-29.3%	25.5%	2.7%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,407	2,618	3,528	3,269	5,501	4,896	3,027	1,424	1,558	3,328	1,406	1,181
WSIP 2070 With Project	1,488	2,788	3,661	3,351	5,555	4,907	3,039	1,528	1,578	2,461	1,504	1,302
Difference	81	170	133	82	54	11	11	103	20	-867	98	120
Percent Difference	5.8%	6.5%	3.8%	2.5%	1.0%	0.2%	0.4%	7.3%	1.3%	-26.1%	7.0%	10.2%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,255	1,519	4,970	2,197	4,472	3,279	1,793	1,396	1,707	2,361	1,198	977
WSIP 2070 With Project	1,367	1,589	5,058	2,280	4,399	3,247	1,604	1,500	1,869	1,842	1,160	1,068
Difference	112	70	88	83	-73	-32	-189	105	162	-519	-39	90
Percent Difference	8.9%	4.6%	1.8%	3.8%	-1.6%	-1.0%	-10.5%	7.5%	9.5%	-22.0%	-3.2%	9.3%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	810	876	900	1,078	1,221	959	1,178	924	1,166	1,447	914	680
WSIP 2070 With Project	831	867	869	1,185	1,239	955	1,350	1,077	1,183	1,128	909	771
Difference	21	-9	-31	108	18	-4	173	153	17	-319	-5	90
Percent Difference	2.6%	-1.0%	-3.5%	10.0%	1.5%	-0.4%	14.7%	16.5%	1.5%	-22.0%	-0.6%	13.3%

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

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

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

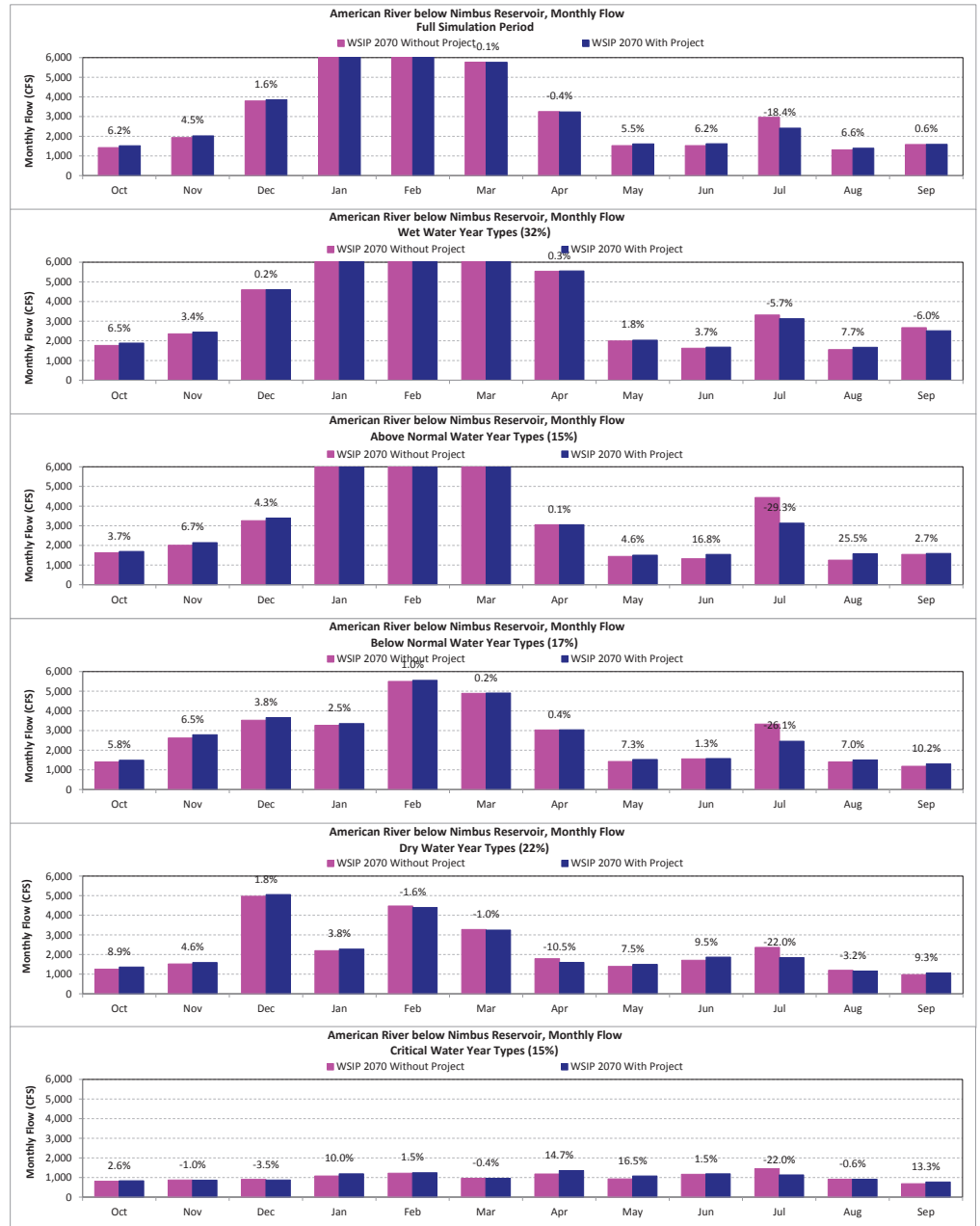


Table SW-28-a  
American River at Watt Avenue, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	1,367	1,870	3,734	7,221	8,703	5,648	3,157	1,455	1,464	2,901	1,236	1,521
WSIP 2070 With Project	1,454	1,955	3,792	7,264	8,708	5,641	3,143	1,539	1,557	2,355	1,327	1,529
Difference	87	85	59	44	5	-7	-14	84	93	-546	91	8
Percent Difference <sup>2</sup>	6.4%	4.5%	1.6%	0.6%	0.1%	-0.1%	-0.4%	5.8%	6.3%	-18.8%	7.3%	0.5%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,696	2,296	4,530	15,650	15,099	9,988	5,399	1,904	1,556	3,254	1,476	2,612
WSIP 2070 With Project	1,813	2,374	4,537	15,643	15,099	9,988	5,414	1,939	1,615	3,066	1,596	2,451
Difference	117	78	8	-6	0	0	15	35	59	-188	121	-161
Percent Difference	6.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	1.9%	3.8%	-5.8%	8.2%	-6.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,573	1,943	3,190	8,063	13,520	6,031	2,961	1,376	1,264	4,375	1,166	1,486
WSIP 2070 With Project	1,633	2,077	3,328	8,041	13,610	6,030	2,964	1,441	1,486	3,071	1,498	1,525
Difference	59	134	138	-22	89	-1	4	66	222	-1,303	332	39
Percent Difference	3.8%	6.9%	4.3%	-0.3%	0.7%	0.0%	0.1%	4.8%	17.6%	-29.8%	28.4%	2.6%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,350	2,557	3,458	3,196	5,418	4,801	2,934	1,351	1,497	3,268	1,329	1,121
WSIP 2070 With Project	1,429	2,726	3,589	3,279	5,471	4,811	2,945	1,454	1,515	2,400	1,435	1,239
Difference	79	169	132	83	53	10	11	103	18	-868	106	118
Percent Difference	5.9%	6.6%	3.8%	2.6%	1.0%	0.2%	0.4%	7.6%	1.2%	-26.6%	8.0%	10.5%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,201	1,459	4,910	2,137	4,400	3,193	1,716	1,334	1,646	2,300	1,130	919
WSIP 2070 With Project	1,311	1,528	4,997	2,219	4,326	3,162	1,527	1,440	1,806	1,778	1,096	1,009
Difference	110	69	87	82	-75	-31	-189	106	161	-521	-34	90
Percent Difference	9.2%	4.7%	1.8%	3.8%	-1.7%	-1.0%	-11.0%	7.9%	9.8%	-22.7%	-3.0%	9.8%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	762	822	847	1,020	1,161	904	1,123	870	1,113	1,392	857	627
WSIP 2070 With Project	781	813	816	1,126	1,178	899	1,295	1,019	1,128	1,073	853	717
Difference	19	-9	-31	106	17	-5	173	149	14	-319	-4	89
Percent Difference	2.4%	-1.1%	-3.7%	10.4%	1.4%	-0.5%	15.4%	17.1%	1.3%	-22.9%	-0.4%	14.3%

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

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

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

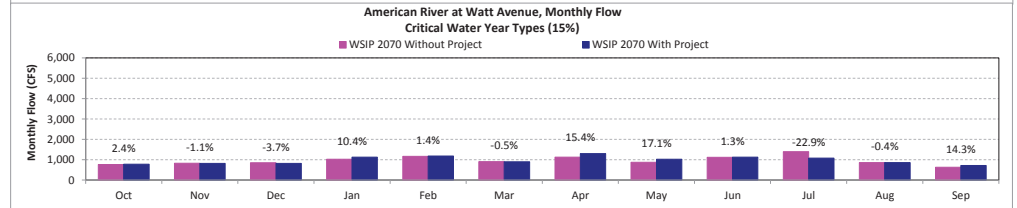
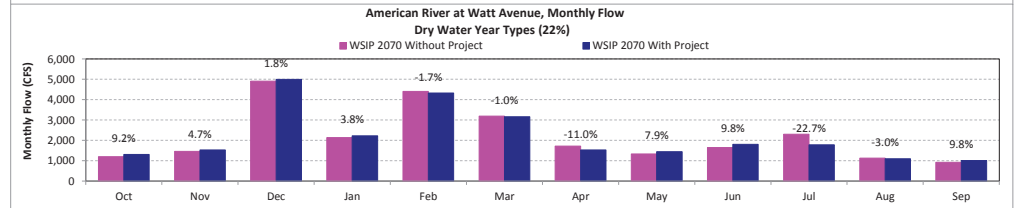
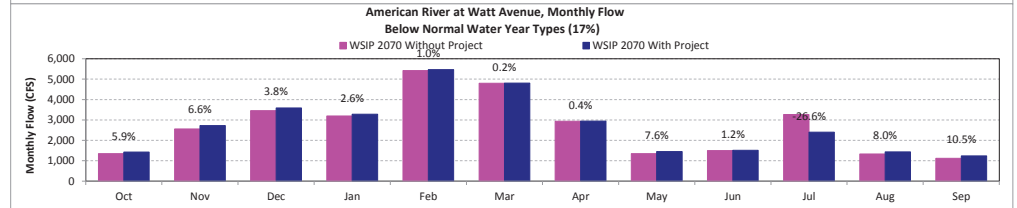
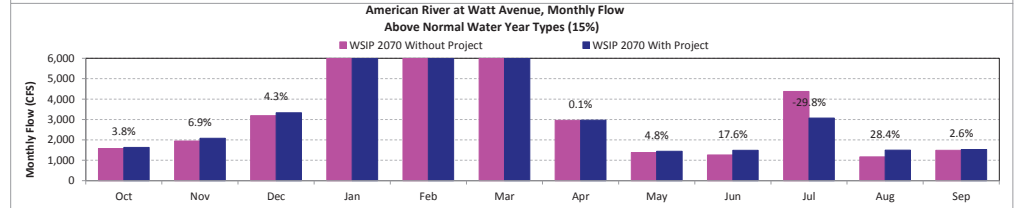
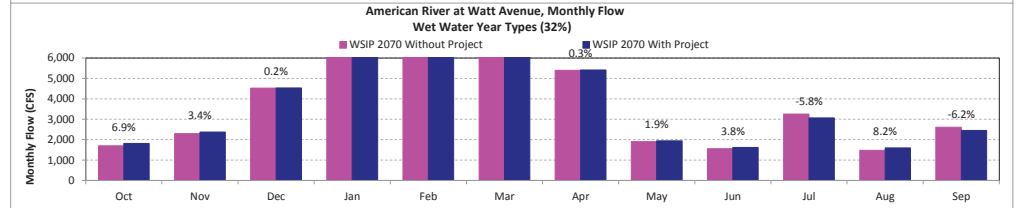
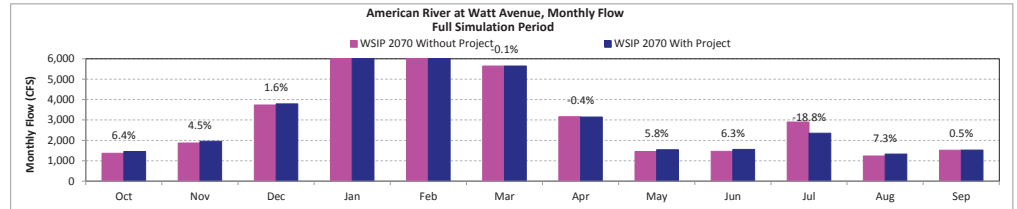


Table SW-29-a  
American River at H Street, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
WSIP 2070 Without Project	1,260	1,794	3,670	7,137	8,601	5,540	2,983	1,311	1,282	2,470	1,038	1,328
WSIP 2070 With Project	1,349	1,879	3,729	7,180	8,607	5,533	2,973	1,395	1,362	1,977	1,139	1,349
Difference	89	85	59	43	6	-7	-10	84	79	-493	101	21
Percent Difference <sup>2</sup>	7.1%	4.7%	1.6%	0.6%	0.1%	-0.1%	-0.3%	6.4%	6.2%	-20.0%	9.7%	1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,556	2,211	4,458	15,580	14,983	9,880	5,197	1,732	1,377	2,806	1,273	2,299
WSIP 2070 With Project	1,679	2,287	4,466	15,574	14,983	9,880	5,212	1,767	1,436	2,582	1,394	2,175
Difference	123	76	8	-6	0	0	15	35	59	-224	121	-124
Percent Difference	7.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	2.0%	4.3%	-8.0%	9.5%	-5.4%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,468	1,858	3,126	7,980	13,450	5,901	2,765	1,242	1,086	3,817	989	1,307
WSIP 2070 With Project	1,528	2,000	3,264	7,958	13,539	5,900	2,769	1,308	1,308	2,549	1,321	1,366
Difference	59	142	138	-22	89	-1	4	66	222	-1,268	332	58
Percent Difference	4.0%	7.7%	4.4%	-0.3%	0.7%	0.0%	0.1%	5.3%	20.4%	-33.2%	33.5%	4.5%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,256	2,493	3,395	3,098	5,290	4,687	2,748	1,220	1,316	2,742	1,099	990
WSIP 2070 With Project	1,335	2,850	3,533	3,177	5,343	4,698	2,759	1,322	1,334	1,977	1,233	1,108
Difference	79	157	137	79	53	10	11	103	18	-765	134	118
Percent Difference	6.3%	6.3%	4.0%	2.5%	1.0%	0.2%	0.4%	8.4%	1.4%	-27.9%	12.2%	11.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,114	1,389	4,832	2,046	4,302	3,092	1,568	1,199	1,448	1,931	936	787
WSIP 2070 With Project	1,224	1,461	4,920	2,128	4,234	3,061	1,394	1,305	1,571	1,521	917	877
Difference	110	73	87	82	-68	-31	-174	106	124	-410	-19	90
Percent Difference	9.9%	5.2%	1.8%	4.0%	-1.6%	-1.0%	-11.1%	8.8%	8.6%	-21.2%	-2.0%	11.5%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	675	751	821	931	1,078	810	997	746	946	1,108	674	508
WSIP 2070 With Project	694	743	789	1,037	1,095	805	1,170	895	931	899	685	588
Difference	19	-8	-31	106	17	-5	173	149	-15	-209	11	81
Percent Difference	2.8%	-1.0%	-3.8%	11.4%	1.6%	-0.6%	17.3%	19.9%	-1.6%	-18.9%	1.7%	15.9%

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

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

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

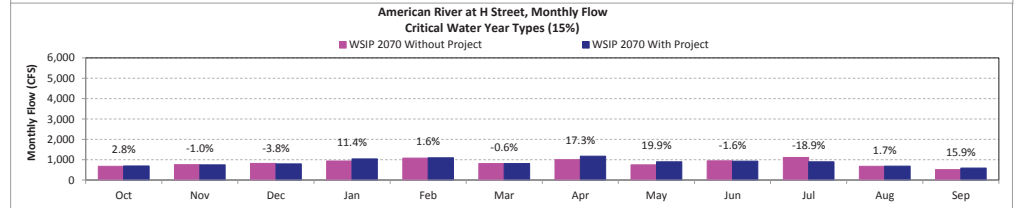
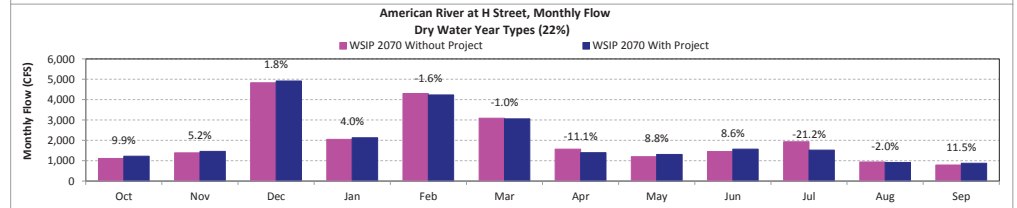
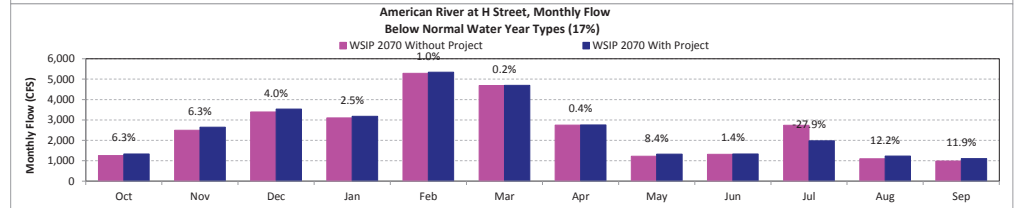
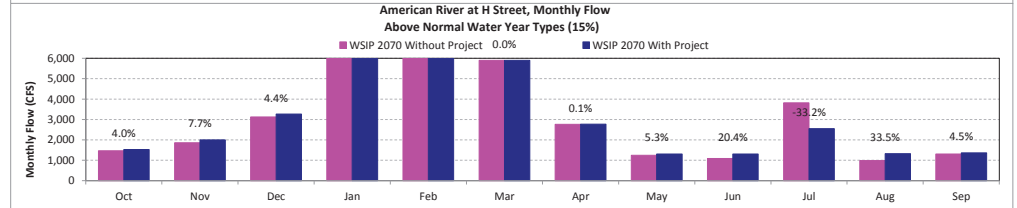
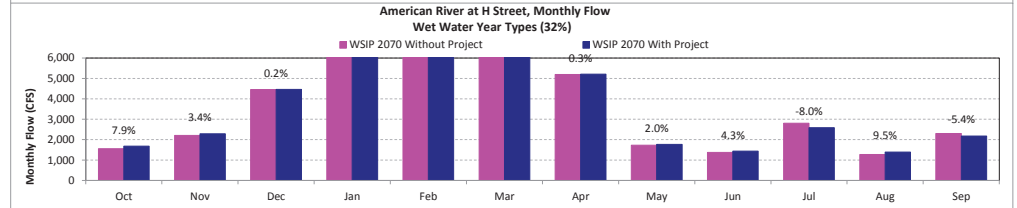
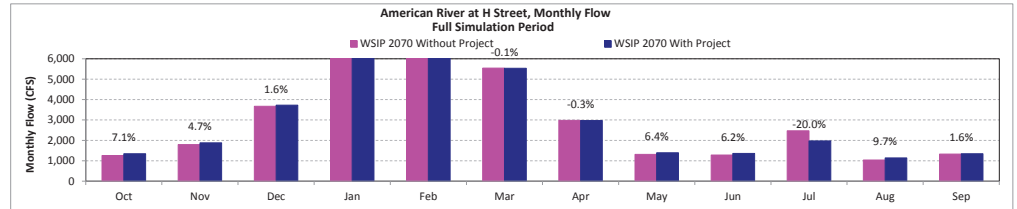


Table SW-46-a  
Feather River at Shanghai Bend, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
Full Simulation Period <sup>1</sup>												
WSIP 2070 Without Project	3,274	2,810	5,560	11,286	14,955	12,739	4,173	2,445	3,704	7,567	5,627	5,312
WSIP 2070 With Project	3,239	2,770	5,797	11,512	15,033	12,822	4,169	2,482	3,240	7,063	5,429	5,331
Difference	-36	-40	237	225	78	82	-4	37	-465	-504	-197	19
Percent Difference <sup>2</sup>	-1.1%	-1.4%	4.3%	2.0%	0.5%	0.6%	-0.1%	1.5%	-12.5%	-6.7%	-3.5%	0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	4,321	3,392	6,799	25,426	30,914	25,399	7,566	2,874	4,283	8,780	7,358	8,695
WSIP 2070 With Project	4,507	3,351	7,331	25,847	30,976	25,325	7,562	2,864	3,628	8,068	6,986	8,567
Difference	186	-41	531	421	63	-74	-4	-10	-655	-711	-372	-128
Percent Difference	4.3%	-1.2%	7.8%	1.7%	0.2%	-0.3%	-0.1%	-0.3%	-15.3%	-8.1%	-5.0%	-1.5%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	4,373	3,352	5,300	10,038	21,160	14,692	3,059	2,302	4,228	9,171	8,210	7,753
WSIP 2070 With Project	4,474	3,384	5,430	10,568	21,729	15,391	3,058	2,305	3,491	7,939	7,757	7,502
Difference	102	32	130	530	569	700	-1	3	-736	-1,232	-453	-251
Percent Difference	2.3%	1.0%	2.5%	5.3%	2.7%	4.8%	0.0%	0.1%	-17.4%	-13.4%	-5.5%	-3.2%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2,627	2,883	5,045	4,374	5,813	5,561	3,103	2,200	3,828	8,916	6,581	3,583
WSIP 2070 With Project	2,541	2,898	5,505	4,562	5,766	5,654	3,188	2,293	3,118	7,847	6,119	3,421
Difference	-86	15	459	188	-47	93	85	93	-710	-1,070	-462	-162
Percent Difference	-3.3%	0.5%	9.1%	4.3%	-0.8%	1.7%	2.7%	4.2%	-18.5%	-12.0%	-7.0%	-4.5%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	2,558	2,349	6,204	3,366	3,993	5,893	2,456	2,398	3,373	6,454	3,372	2,808
WSIP 2070 With Project	2,244	2,276	6,123	3,358	3,991	5,914	2,407	2,620	3,174	6,537	3,658	3,206
Difference	-314	-73	-81	-8	-3	21	-49	222	-199	83	285	397
Percent Difference	-12.3%	-3.1%	-1.3%	-0.2%	-0.1%	0.4%	-2.0%	9.3%	-5.9%	1.3%	8.5%	14.1%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	1,894	1,743	2,595	2,483	2,860	2,708	1,867	1,987	2,390	3,862	2,231	1,791
WSIP 2070 With Project	1,771	1,632	2,582	2,434	2,791	2,653	1,836	1,790	2,410	4,110	2,127	1,941
Difference	-124	-111	-13	-49	-68	-55	-31	-196	20	249	-104	150
Percent Difference	-6.5%	-6.4%	-0.5%	-2.0%	-2.4%	-2.0%	-1.6%	-9.9%	0.8%	6.4%	-4.7%	8.4%

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

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

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

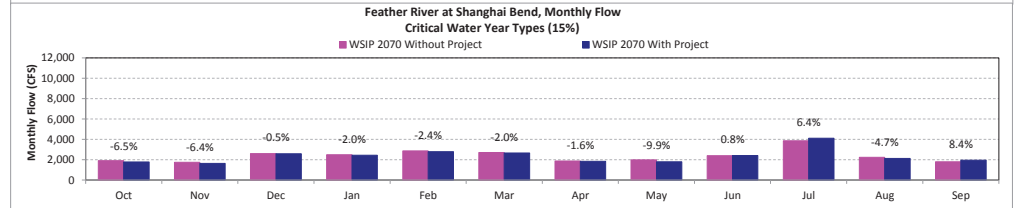
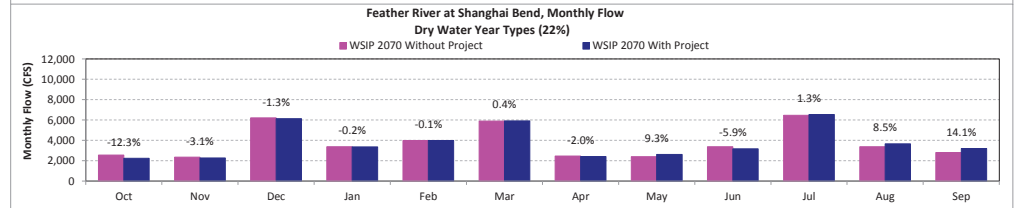
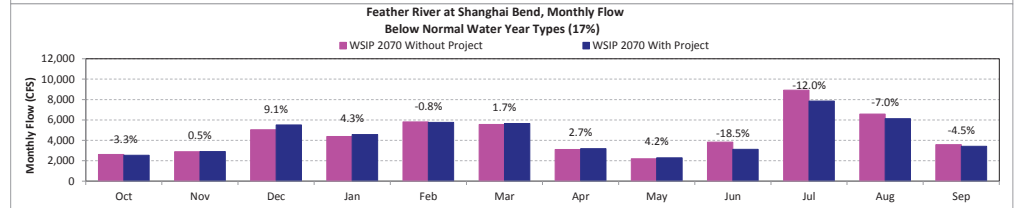
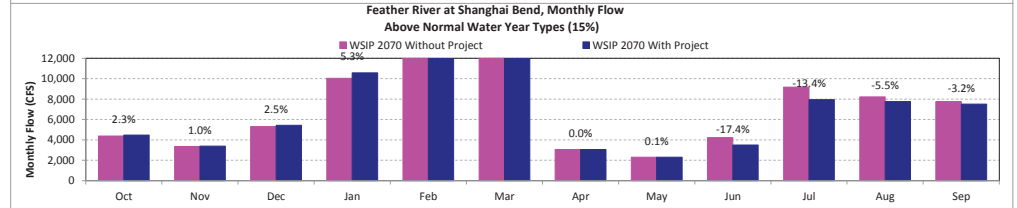
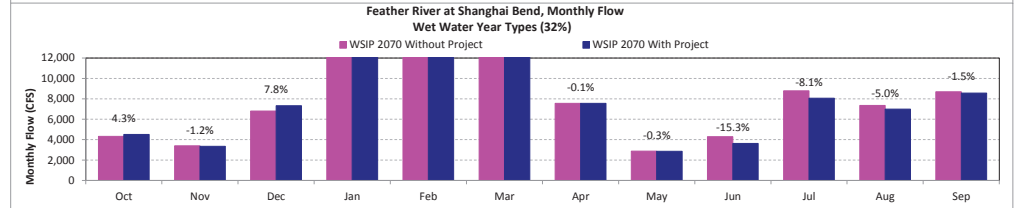
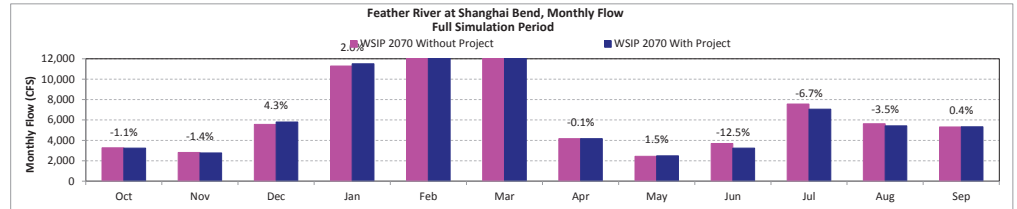


Table SW-47-a  
American River at Mouth, Monthly Flow  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	1,260	1,794	3,670	7,137	8,601	5,540	2,983	1,311	1,282	2,470	1,038	1,328
WSIP 2070 With Project	1,349	1,879	3,729	7,180	8,607	5,533	2,973	1,395	1,362	1,977	1,139	1,349
Difference	89	85	59	43	6	-7	-10	84	79	-493	101	21
Percent Difference <sup>2</sup>	7.1%	4.7%	1.6%	0.6%	0.1%	-0.1%	-0.3%	6.4%	6.2%	-20.0%	9.7%	1.6%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	1,556	2,211	4,458	15,580	14,983	9,880	5,197	1,732	1,377	2,806	1,273	2,299
WSIP 2070 With Project	1,679	2,287	4,466	15,574	14,983	9,880	5,212	1,767	1,436	2,582	1,394	2,175
Difference	123	76	8	-6	0	0	15	35	59	-224	121	-124
Percent Difference	7.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	2.0%	4.3%	-8.0%	9.5%	-5.4%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	1,468	1,858	3,126	7,980	13,450	5,901	2,765	1,242	1,086	3,817	989	1,307
WSIP 2070 With Project	1,528	2,000	3,264	7,958	13,539	5,900	2,769	1,308	1,308	2,549	1,321	1,366
Difference	59	142	138	-22	89	-1	4	66	222	-1,268	332	58
Percent Difference	4.0%	7.7%	4.4%	-0.3%	0.7%	0.0%	0.1%	5.3%	20.4%	-33.2%	33.5%	4.5%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	1,256	2,493	3,395	3,098	5,290	4,687	2,748	1,220	1,316	2,742	1,099	990
WSIP 2070 With Project	1,335	2,850	3,533	3,177	5,343	4,698	2,759	1,322	1,334	1,977	1,233	1,108
Difference	79	157	137	79	53	10	11	103	18	-765	134	118
Percent Difference	6.3%	6.3%	4.0%	2.5%	1.0%	0.2%	0.4%	8.4%	1.4%	-27.9%	12.2%	11.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	1,114	1,389	4,832	2,046	4,302	3,092	1,568	1,199	1,448	1,931	936	787
WSIP 2070 With Project	1,224	1,461	4,920	2,128	4,234	3,061	1,394	1,305	1,571	1,521	917	877
Difference	110	73	87	82	-68	-31	-174	106	124	-410	-19	90
Percent Difference	9.9%	5.2%	1.8%	4.0%	-1.6%	-1.0%	-11.1%	8.8%	8.6%	-21.2%	-2.0%	11.5%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	675	751	821	931	1,078	810	997	746	946	1,108	674	508
WSIP 2070 With Project	694	743	789	1,037	1,095	805	1,170	895	931	899	685	588
Difference	19	-8	-31	106	17	-5	173	149	-15	-209	11	81
Percent Difference	2.8%	-1.0%	-3.8%	11.4%	1.6%	-0.6%	17.3%	19.9%	-1.6%	-18.9%	1.7%	15.9%

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

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

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

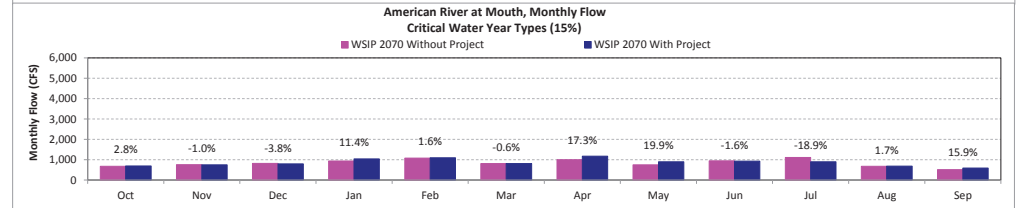
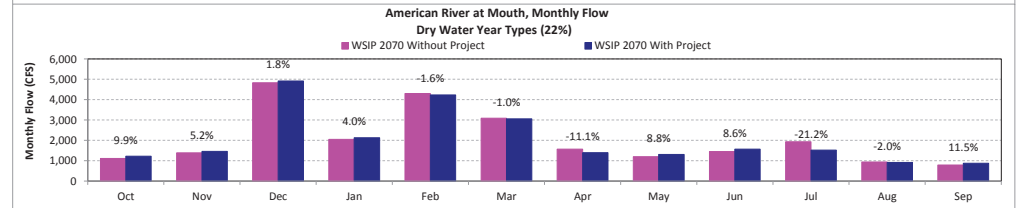
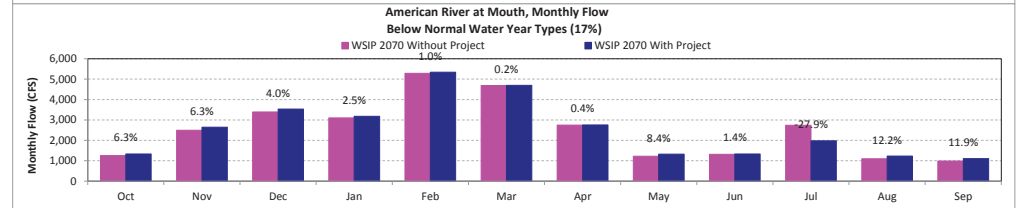
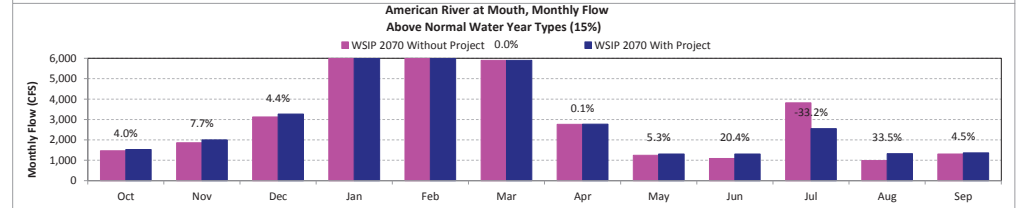
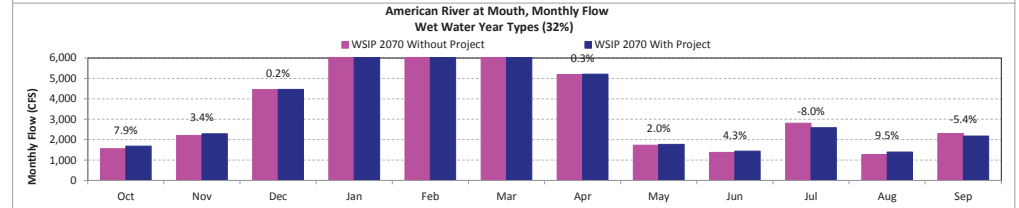
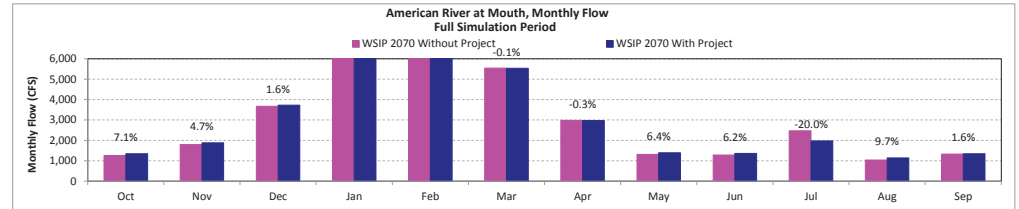




Table SW-53-a  
Sacramento River at Bend Bridge, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	3	4	5	7	8	6	4	4	5	6	4	4
WSIP 2070 With Project	3	4	5	7	8	6	4	4	5	6	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	-5.2%	-1.2%	1.8%	0.4%	0.9%	0.3%	-0.3%	-4.8%	-4.2%	3.5%	2.3%	2.2%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	3	5	5	12	13	10	6	4	5	6	4	6
WSIP 2070 With Project	3	4	5	12	13	10	6	4	5	7	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-2.8%	0.5%	-0.1%	0.3%	-0.1%	1.2%	-4.2%	-1.8%	3.2%	8.4%	-2.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	3	5	4	8	11	7	4	4	6	7	4	4
WSIP 2070 With Project	3	5	4	8	11	7	4	4	5	7	4	4
Difference	0	0	0	0	0	0	0	0	-1	1	0	-1
Percent Difference	-5.6%	1.8%	8.3%	1.3%	-0.1%	-1.0%	-1.2%	-3.0%	-9.8%	7.9%	5.3%	-15.6%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	2	3	6	5	5	4	4	4	6	7	4	2
WSIP 2070 With Project	2	3	6	5	5	4	4	4	5	7	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	1.2%	-2.6%	2.1%	0.7%	2.1%	0.6%	4.8%	-5.4%	-4.9%	4.0%	3.3%	24.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	3	3	5	3	4	4	3	4	6	6	4	2
WSIP 2070 With Project	2	3	5	3	4	4	3	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-12.1%	-2.0%	1.1%	2.0%	1.8%	2.4%	-0.9%	-3.3%	-4.5%	1.5%	-1.1%	24.2%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	2	2	3	3	3	3	3	4	5	5	4	2
WSIP 2070 With Project	2	2	3	3	3	3	3	3	5	5	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-15.7%	4.1%	0.2%	-0.4%	6.5%	1.8%	-9.6%	-10.0%	-2.9%	2.1%	-8.8%	7.3%

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

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

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

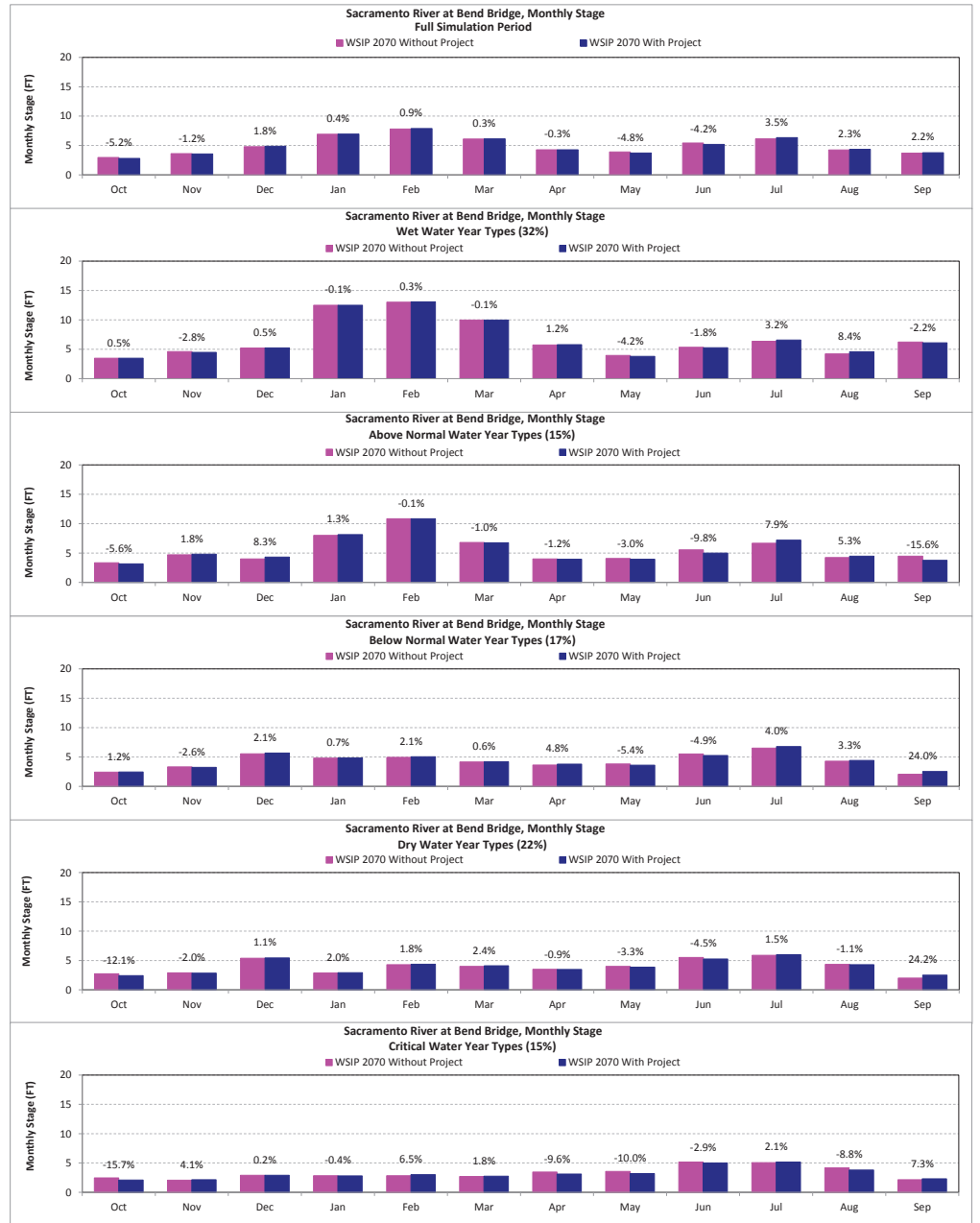


Table SW-54-a  
Sacramento River below Hamilton City, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	29	30	31	33	33	32	30	30	30	31	30	30
WSIP 2070 With Project	29	30	31	32	33	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	-0.3%	-0.2%	-0.8%	-1.0%	-1.0%	-1.1%	-0.3%	-0.1%	-0.1%	0.7%	0.2%	0.4%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	30	31	31	36	37	34	31	30	30	31	30	31
WSIP 2070 With Project	30	31	31	36	36	34	31	30	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.5%	-1.2%	-0.9%	-0.6%	-0.8%	-0.4%	-0.1%	-0.1%	0.3%	0.5%	-0.2%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	30	31	31	33	35	32	30	30	30	31	30	30
WSIP 2070 With Project	30	31	30	33	35	32	30	30	30	32	30	30
Difference	0	0	0	0	0	-1	0	0	0	1	0	0
Percent Difference	-0.5%	-0.1%	-0.4%	-1.1%	-1.2%	-1.7%	-0.7%	-0.2%	-0.6%	1.7%	0.4%	-1.3%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	29	30	32	31	31	31	30	30	30	31	30	29
WSIP 2070 With Project	29	30	32	31	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	-0.1%	-0.1%	-1.5%	-1.2%	-1.6%	-0.2%	-0.3%	0.0%	1.0%	0.3%	1.4%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	29	30	31	30	31	31	30	30	30	31	30	29
WSIP 2070 With Project	29	30	31	30	30	30	30	30	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.8%	-0.3%	-0.5%	-0.8%	-1.5%	-1.5%	-0.1%	0.1%	-0.1%	0.5%	0.0%	1.4%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	29	29	30	30	30	30	29	30	30	30	30	29
WSIP 2070 With Project	29	29	30	30	30	30	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.8%	0.2%	-1.2%	-0.6%	-0.7%	-0.3%	-0.2%	-0.2%	0.0%	0.6%	-0.4%	0.5%

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

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

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

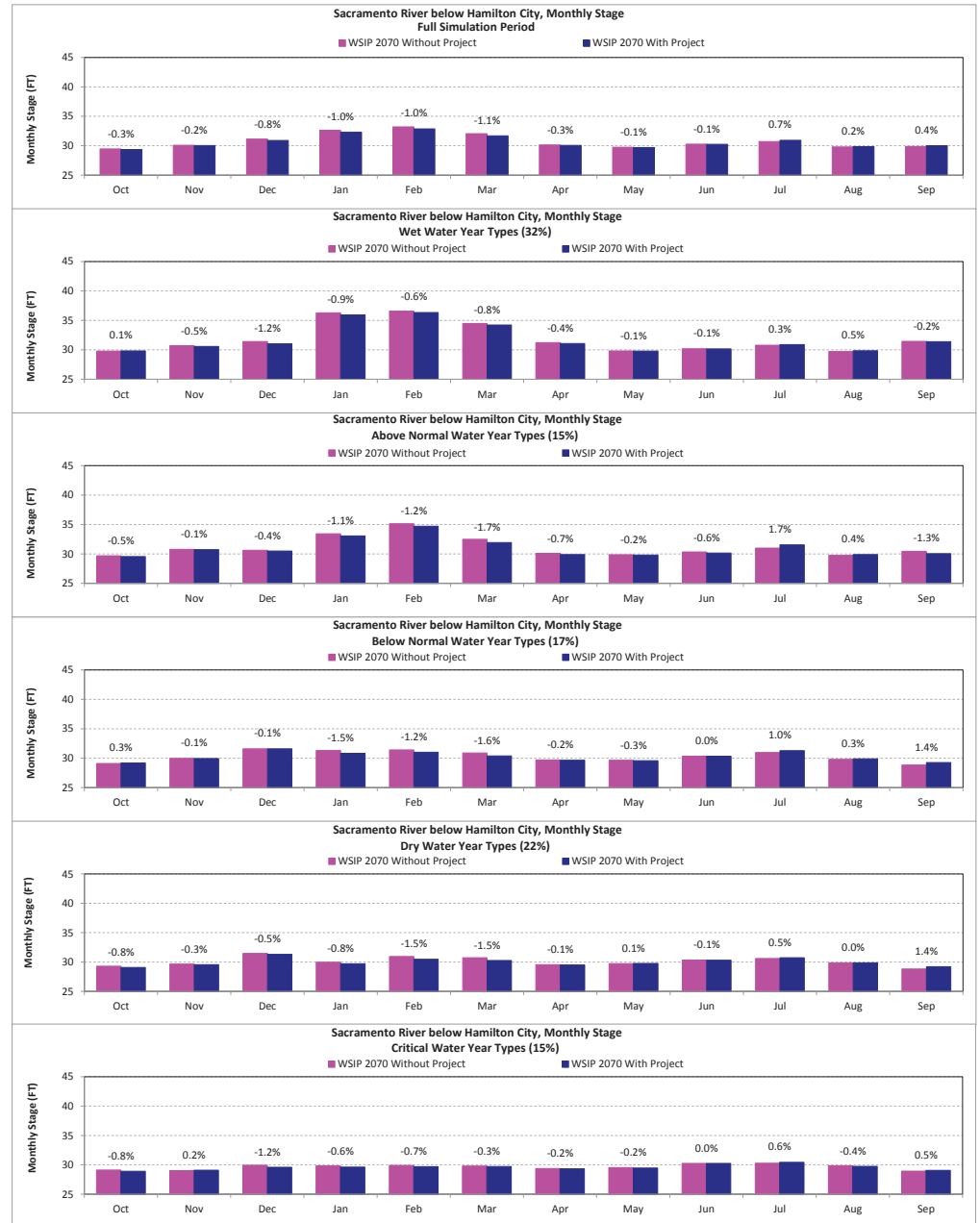


Table SW-56-a  
Sacramento River at Wilkins Slough, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	29	32	35	37	39	37	31	29	30	31	28	31
WSIP 2070 With Project	29	32	34	36	38	36	31	29	30	33	29	32
Difference	0	0	-1	-1	-1	-1	0	0	1	2	1	1
Percent Difference <sup>2</sup>	1.4%	0.6%	-1.8%	-2.9%	-2.4%	-2.9%	-0.8%	-0.3%	2.8%	5.4%	3.1%	4.0%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	30	34	36	43	43	41	35	30	30	31	28	37
WSIP 2070 With Project	31	34	35	42	43	41	35	30	31	32	29	37
Difference	0	0	-1	-1	0	0	0	0	1	1	1	0
Percent Difference	1.5%	-1.1%	-2.9%	-1.4%	-0.6%	-0.9%	-0.8%	-0.5%	2.9%	3.1%	2.5%	0.7%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	30	34	33	40	42	39	32	30	30	32	28	33
WSIP 2070 With Project	30	34	33	39	42	38	31	29	30	35	29	33
Difference	0	0	-1	-1	-1	-2	-1	0	1	4	1	0
Percent Difference	1.4%	0.2%	-1.6%	-2.3%	-1.4%	-4.2%	-2.3%	-0.3%	2.1%	11.4%	3.0%	0.0%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	28	32	36	37	37	36	30	29	30	32	28	27
WSIP 2070 With Project	29	32	37	35	36	34	30	28	31	34	29	30
Difference	1	0	0	-2	-2	-2	0	0	1	2	1	2
Percent Difference	3.2%	1.2%	1.2%	-5.5%	-4.0%	-5.6%	-0.4%	-1.3%	4.1%	7.6%	4.0%	8.9%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	28	30	35	32	36	36	28	28	29	30	28	27
WSIP 2070 With Project	29	30	34	31	34	34	28	28	30	32	29	29
Difference	0	0	0	-1	-2	-2	0	0	1	1	1	2
Percent Difference	1.6%	1.5%	-0.9%	-4.3%	-5.0%	-4.5%	-0.4%	0.2%	2.4%	4.5%	4.4%	8.8%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	28	28	32	32	32	32	27	27	29	29	29	27
WSIP 2070 With Project	27	28	31	31	32	32	27	27	30	30	29	29
Difference	0	1	-1	-1	-1	0	0	0	1	1	0	1
Percent Difference	-0.8%	2.8%	-4.6%	-2.4%	-1.8%	-0.9%	-0.2%	0.3%	2.1%	3.8%	1.3%	5.3%

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

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

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

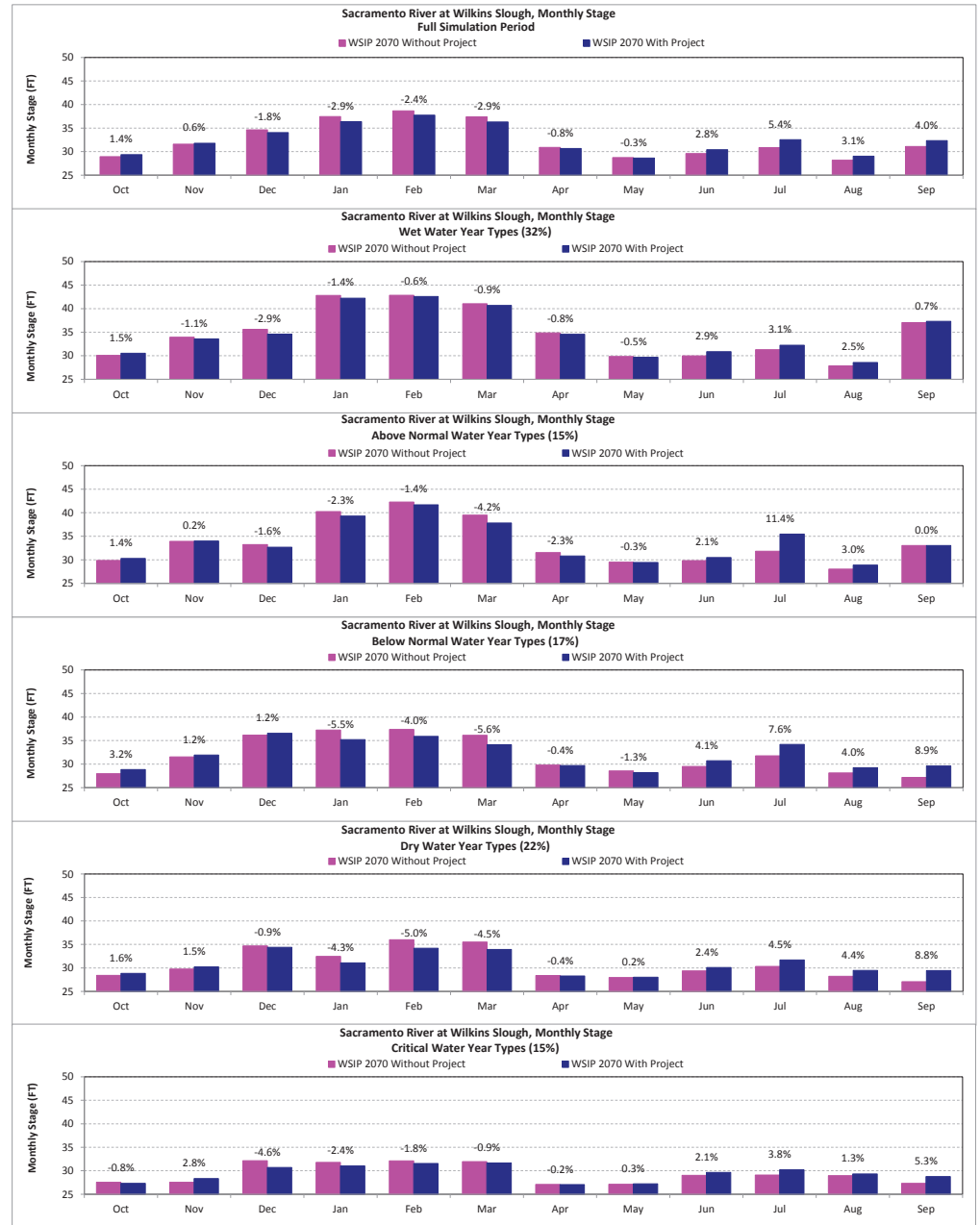


Table SW-57-a  
Feather River near Gridley, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	74	74	74	75	77	76	74	74	75	77	76	75
WSIP 2070 With Project	74	74	74	75	77	76	74	74	74	76	75	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	-0.1%	0.0%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.3%	-0.3%	-0.1%	0.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	75	74	75	79	81	80	75	74	75	77	76	77
WSIP 2070 With Project	75	74	75	79	81	80	75	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.2%	-0.1%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	75	74	75	75	78	77	73	74	75	77	77	77
WSIP 2070 With Project	75	74	75	75	78	78	73	74	75	77	77	77
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	0.1%	0.0%	0.1%	0.2%	0.3%	0.4%	0.0%	0.0%	-0.5%	-0.7%	-0.3%	-0.1%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	74	74	74	74	74	74	74	74	75	77	76	74
WSIP 2070 With Project	74	74	74	74	74	74	74	74	74	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	0.4%	0.1%	0.0%	0.1%	0.1%	0.1%	-0.6%	-0.6%	-0.3%	0.0%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	74	73	74	73	74	74	74	74	74	76	74	74
WSIP 2070 With Project	74	73	74	73	74	74	74	74	74	76	75	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.2%	-0.2%	0.0%	0.1%	0.3%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	73	73	73	73	73	74	73	73	74	75	74	74
WSIP 2070 With Project	73	73	73	73	73	74	73	73	74	75	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	-0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	-0.1%	0.2%	-0.1%	0.1%

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

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

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

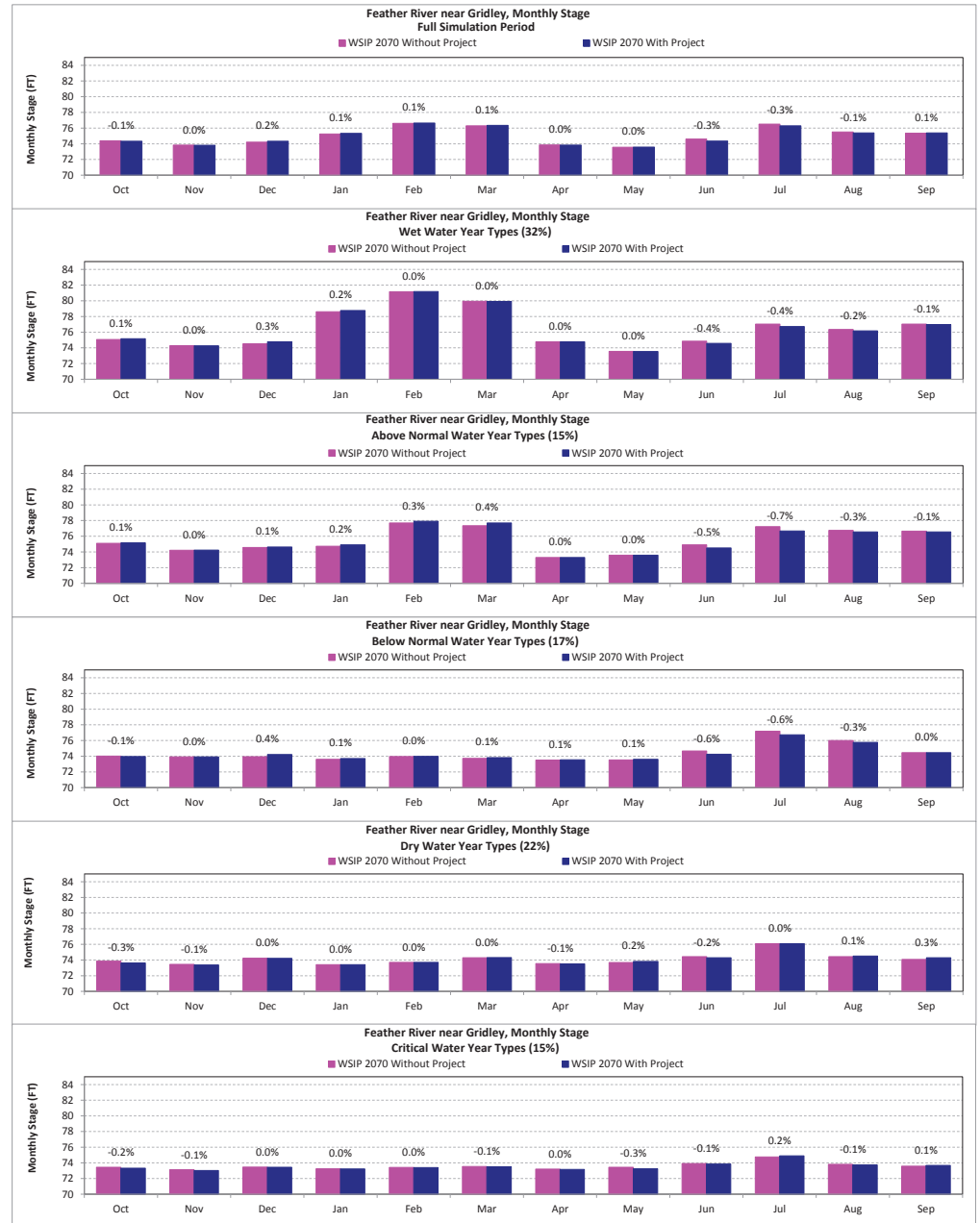


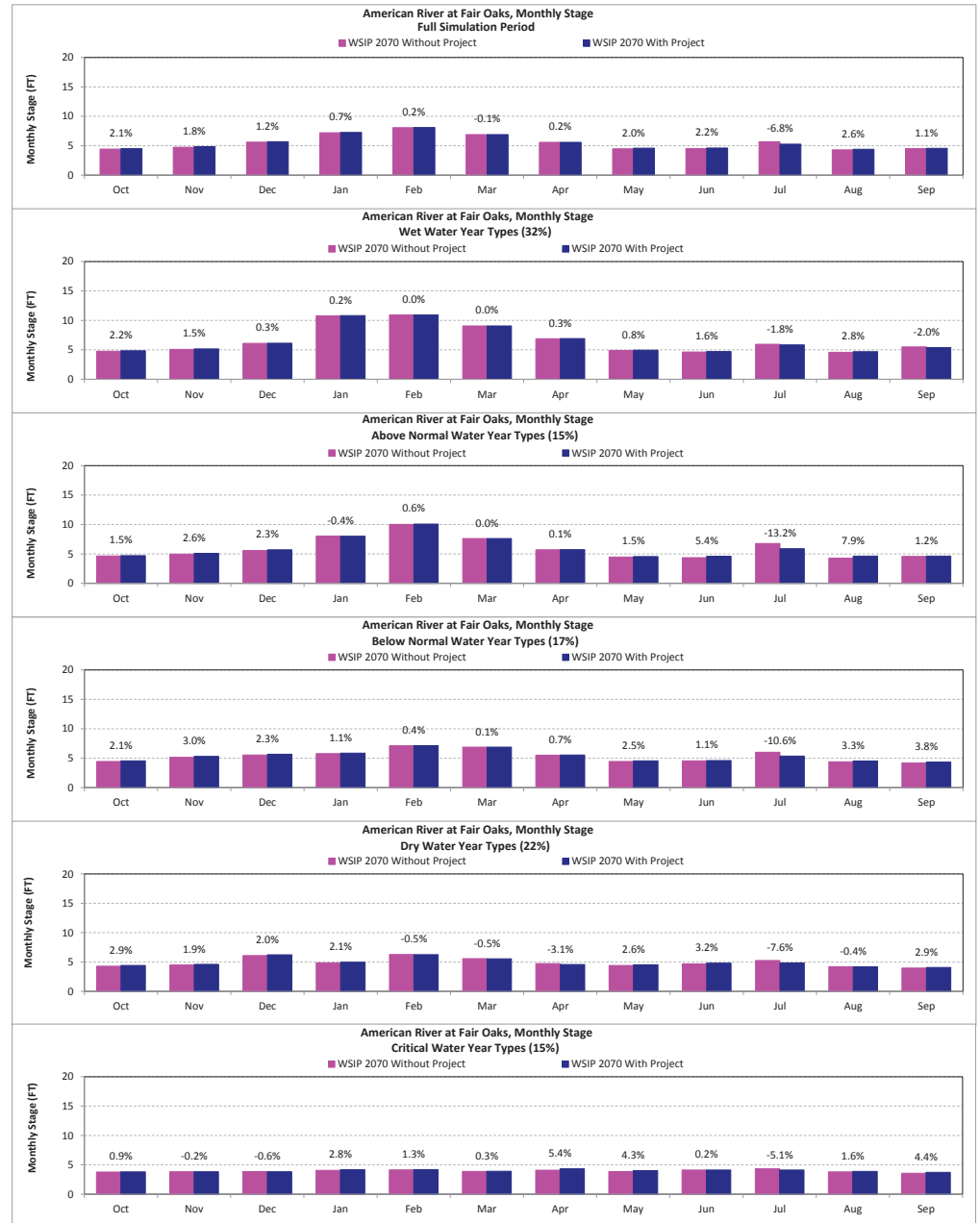
Table SW-58-a  
American River at Fair Oaks, Monthly Stage  
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Long-term</b>												
<b>Full Simulation Period<sup>1</sup></b>												
WSIP 2070 Without Project	4	5	6	7	8	7	6	4	5	6	4	5
WSIP 2070 With Project	5	5	6	7	8	7	6	5	5	5	4	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference <sup>2</sup>	2.1%	1.8%	1.2%	0.7%	0.2%	-0.1%	0.2%	2.0%	2.2%	-6.8%	2.6%	1.1%
<b>Water Year Types<sup>2</sup></b>												
<b>Wet (31.7%)</b>												
WSIP 2070 Without Project	5	5	6	11	11	9	7	5	5	6	5	6
WSIP 2070 With Project	5	5	6	11	11	9	7	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.2%	1.5%	0.3%	0.2%	0.0%	0.0%	0.3%	0.8%	1.6%	-1.8%	2.8%	-2.0%
<b>Above Normal (13.4%)</b>												
WSIP 2070 Without Project	5	5	6	8	10	8	6	4	4	7	4	5
WSIP 2070 With Project	5	5	6	8	10	8	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	1.5%	2.6%	2.3%	-0.4%	0.6%	0.0%	0.1%	1.5%	5.4%	-13.2%	7.9%	1.2%
<b>Below Normal (15.9%)</b>												
WSIP 2070 Without Project	4	5	6	6	7	7	6	4	5	6	4	4
WSIP 2070 With Project	5	5	6	6	7	7	6	5	5	5	5	4
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	2.1%	3.0%	2.3%	1.1%	0.4%	0.1%	0.7%	2.5%	1.1%	-10.6%	3.3%	3.8%
<b>Dry (24.4%)</b>												
WSIP 2070 Without Project	4	5	6	5	6	6	5	4	5	5	4	4
WSIP 2070 With Project	4	5	6	5	6	6	5	5	5	5	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.9%	1.9%	2.0%	2.1%	-0.5%	-0.5%	-3.1%	2.6%	3.2%	-7.6%	-0.4%	2.9%
<b>Critical (14.6%)</b>												
WSIP 2070 Without Project	4	4	4	4	4	4	4	4	4	4	4	4
WSIP 2070 With Project	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.9%	-0.2%	-0.6%	2.8%	1.3%	0.3%	5.4%	4.3%	0.2%	-5.1%	1.6%	4.4%

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

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

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



**Trinity and Sacramento River Basin Operations**  
**Exceedance Probability Charts and Tables**

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

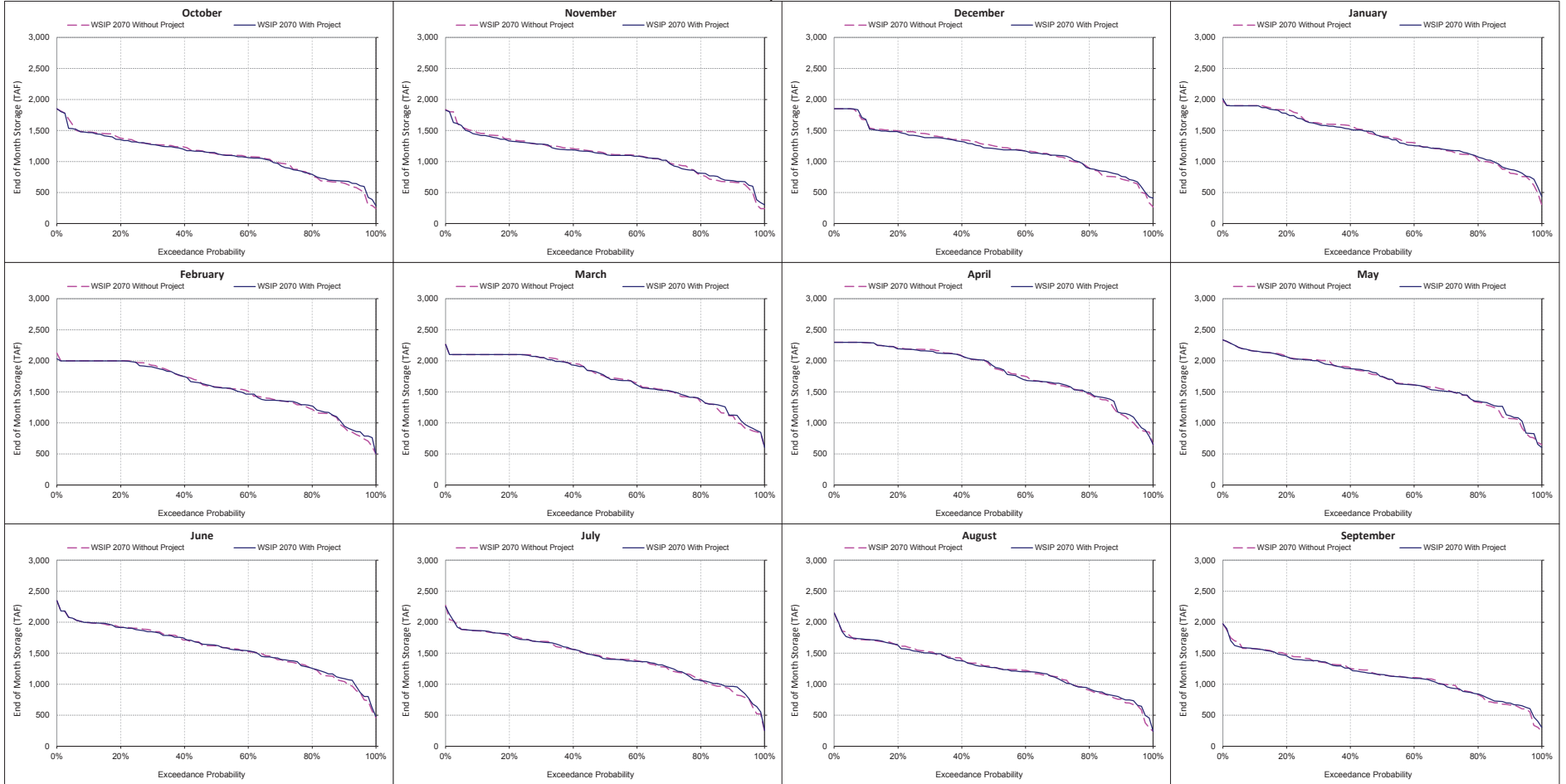


Table SW-01-b  
Trinity Lake, End of Month Storage  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,848	1,850	2	0.1%
1.2%	1,814	1,804	-10	-0.6%
2.5%	1,780	1,780	0	0.0%
3.7%	1,684	1,533	-151	-9.0%
4.9%	1,594	1,532	-62	-3.9%
6.2%	1,499	1,512	14	0.9%
7.4%	1,484	1,477	-7	-0.5%
8.6%	1,482	1,473	-9	-0.6%
9.9%	1,477	1,468	-9	-0.6%
11.1%	1,471	1,464	-7	-0.5%
12.3%	1,461	1,446	-14	-1.0%
13.6%	1,457	1,441	-17	-1.1%
14.8%	1,450	1,417	-34	-2.3%
16.0%	1,446	1,406	-40	-2.8%
17.3%	1,446	1,398	-48	-3.3%
18.5%	1,408	1,360	-47	-3.4%
19.8%	1,380	1,356	-25	-1.8%
21.0%	1,366	1,338	-28	-2.0%
22.2%	1,360	1,306	-55	-4.1%
23.5%	1,353	1,318	-35	-2.6%
24.7%	1,322	1,316	-6	-0.4%
25.9%	1,304	1,305	1	0.1%
27.2%	1,295	1,304	9	0.7%
28.4%	1,290	1,285	-5	-0.4%
29.6%	1,287	1,278	-9	-0.7%
30.9%	1,273	1,268	-4	-0.4%
32.1%	1,269	1,256	-13	-1.1%
33.3%	1,268	1,243	-25	-1.9%
34.6%	1,259	1,239	-19	-1.5%
35.8%	1,258	1,238	-20	-1.6%
37.0%	1,240	1,227	-13	-1.1%
38.3%	1,237	1,218	-19	-1.6%
39.5%	1,236	1,202	-35	-2.8%
40.7%	1,223	1,175	-48	-3.9%
42.0%	1,185	1,173	-12	-1.0%
43.2%	1,180	1,168	-12	-1.0%
44.4%	1,178	1,167	-11	-0.9%
45.7%	1,170	1,162	-8	-0.7%
46.9%	1,140	1,148	8	0.7%
48.1%	1,138	1,145	7	0.6%
49.4%	1,130	1,145	14	1.3%
50.6%	1,115	1,122	7	0.6%
51.9%	1,109	1,106	-3	-0.3%
53.1%	1,105	1,100	-5	-0.4%
54.3%	1,104	1,099	-4	-0.4%
55.6%	1,102	1,084	-18	-1.6%
56.8%	1,098	1,075	-23	-2.1%
58.0%	1,096	1,075	-21	-1.9%
59.3%	1,078	1,068	-10	-0.9%
60.5%	1,077	1,061	-16	-1.5%
61.7%	1,076	1,057	-18	-1.7%
63.0%	1,072	1,055	-17	-1.6%
64.2%	1,067	1,052	-14	-1.3%
65.4%	1,044	1,036	-8	-0.8%
66.7%	1,036	1,022	-14	-1.4%
67.9%	987	981	-6	-0.6%
69.1%	983	968	-15	-1.5%
70.4%	969	929	-41	-4.2%
71.6%	964	900	-64	-6.6%
72.8%	952	894	-58	-6.1%
74.1%	874	885	7	0.8%
75.3%	874	857	-17	-1.9%
76.5%	843	843	0	0.0%
77.8%	839	820	-19	-2.3%
79.0%	800	811	11	1.3%
80.2%	761	785	24	3.1%
81.5%	740	753	13	1.8%
82.7%	688	731	43	6.2%
84.0%	695	721	26	3.7%
85.2%	690	699	9	1.3%
86.4%	670	694	24	3.6%
87.7%	669	691	22	3.3%
88.9%	664	686	22	3.4%
90.1%	649	685	35	5.5%
91.4%	624	679	55	8.7%
92.6%	594	650	57	9.5%
93.8%	579	644	65	11.2%
95.1%	542	610	68	12.6%
96.3%	500	596	96	19.2%
97.5%	297	420	123	41.5%
98.8%	291	389	99	33.9%
100.0%	240	291	51	21.2%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,838	1,828	-10	-0.6%
1.2%	1,801	1,803	2	0.1%
2.5%	1,801	1,629	-172	-9.5%
3.7%	1,612	1,612	0	0.0%
4.9%	1,555	1,580	26	1.7%
6.2%	1,533	1,505	-28	-1.8%
7.4%	1,507	1,484	-23	-1.6%
8.6%	1,498	1,450	-48	-3.2%
9.9%	1,466	1,435	-31	-2.1%
11.1%	1,454	1,420	-34	-2.3%
12.3%	1,453	1,417	-35	-2.4%
13.6%	1,427	1,408	-19	-1.3%
14.8%	1,423	1,398	-25	-1.8%
16.0%	1,420	1,379	-41	-2.9%
17.3%	1,419	1,361	-57	-4.0%
18.5%	1,370	1,360	-9	-0.7%
19.8%	1,364	1,335	-29	-2.1%
21.0%	1,360	1,323	-37	-2.7%
22.2%	1,339	1,319	-20	-1.5%
23.5%	1,331	1,312	-19	-1.4%
24.7%	1,331	1,309	-22	-1.7%
25.9%	1,301	1,299	-2	-0.1%
27.2%	1,289	1,297	8	0.6%
28.4%	1,285	1,280	-4	-0.3%
29.6%	1,277	1,280	3	0.2%
30.9%	1,274	1,279	4	0.3%
32.1%	1,251	1,268	17	1.3%
33.3%	1,249	1,224	-25	-2.0%
34.6%	1,248	1,205	-44	-3.5%
35.8%	1,236	1,196	-40	-3.2%
37.0%	1,220	1,192	-28	-2.3%
38.3%	1,220	1,190	-30	-2.4%
39.5%	1,212	1,186	-26	-2.1%
40.7%	1,201	1,182	-20	-1.6%
42.0%	1,200	1,172	-28	-2.3%
43.2%	1,186	1,167	-19	-1.6%
44.4%	1,178	1,167	-11	-0.9%
45.7%	1,171	1,156	-14	-1.2%
46.9%	1,157	1,140	-17	-1.5%
48.1%	1,157	1,134	-23	-2.0%
49.4%	1,144	1,127	-17	-1.5%
50.6%	1,117	1,105	-12	-1.1%
51.9%	1,116	1,100	-16	-1.5%
53.1%	1,110	1,100	-10	-0.9%
54.3%	1,109	1,100	-9	-0.8%
55.6%	1,108	1,100	-8	-0.8%
56.8%	1,108	1,100	-8	-0.7%
58.0%	1,107	1,098	-10	-0.9%
59.3%	1,100	1,086	-14	-1.3%
60.5%	1,090	1,086	-4	-0.4%
61.7%	1,082	1,077	-5	-0.5%
63.0%	1,069	1,056	-13	-1.0%
64.2%	1,050	1,055	5	0.5%
65.4%	1,045	1,053	8	0.7%
66.7%	1,044	1,047	2	0.2%
67.9%	1,025	1,023	-3	-0.3%
69.1%	1,017	1,021	4	0.4%
70.4%	973	962	-11	-1.1%
71.6%	954	925	-29	-3.1%
72.8%	949	913	-37	-3.8%
74.1%	935	885	-49	-5.3%
75.3%	929	871	-58	-6.2%
76.5%	884	863	-21	-2.4%
77.8%	863	859	-3	-0.4%
79.0%	803	905	11	1.4%
80.2%	781	811	30	3.9%
81.5%	761	808	47	6.1%
82.7%	716	769	53	7.4%
84.0%	705	769	64	9.1%
85.2%	696	762	66	9.5%
86.4%	679	720	41	6.0%
87.7%	676	700	24	3.6%
88.9%	671	696	25	3.8%
90.1%	668	680	12	1.8%
91.4%	660	677	17	2.6%
92.6%	659	677	18	2.7%
93.8%	626	675	49	7.8%
95.1%	564	618	54	9.6%
96.3%	490	600	110	22.4%
97.5%	297	381	84	28.1%
98.8%	240	337	97	40.4%
100.0%	240	302	62	26.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,841	1,848	5	0.3%
7.4%	1,785	1,833	48	2.7%
8.6%	1,681	1,709	29	1.7%
9.9%	1,670	1,681	10	0.6%
11.1%	1,539	1,524	-15	-1.0%
12.3%	1,527	1,513	-13	-0.9%
13.6%	1,519	1,503	-16	-1.1%
14.8%	1,517	1,494	-24	-1.6%
16.0%	1,509	1,491	-17	-1.2%
17.3%	1,508	1,484	-24	-1.6%
18.5%	1,500	1,483	-17	-1.2%
19.8%	1,496	1,482	-14	-0.9%
21.0%	1,486	1,460	-26	-1.8%
22.2%	1,447	1,447	0	0.0%
23.5%	1,481	1,425	-56	-3.8%
24.7%	1,481	1,424	-57	-3.8%
25.9%	1,465	1,414	-51	-3.5%
27.2%	1,455	1,403	-52	-3.6%
28.4%	1,452	1,387	-65	-4.5%
29.6%	1,439	1,386	-53	-3.7%
30.9%	1,412	1,385	-26	-1.9%
32.1%	1,409	1,383	-26	-1.8%
33.3%	1,396	1,382	-15	-1.0%
34.6%	1,396	1,373	-23	-1.6%
35.8%	1,374	1,360	-13	-1.0%
37.0%	1,355	1,353	-2	-0.2%
38.3%	1,355	1,335	-20	-1.5%
39.5%	1,351	1,323	-27	-2.0%
40.7%	1,347	1,316	-32	-2.3%
42.0%	1,342	1,302	-40	-3.0%
43.2%	1,323	1,286	-37	-2.8%
44.4%	1,319	1,260	-59	-4.5%
45.7%	1,290	1,252	-39	-3.0%
46.9%	1,278	1,222	-56	-4.4%
48.1%	1,275	1,220	-55	-4.3%
49.4%	1,259	1,215	-44	-3.5%
50.6%	1,245	1,207	-38	-3.1%
51.9%	1,236	1,197	-39	-3.1%
53.1%	1,223	1,190	-33	-2.7%
54.3%	1,220	1,188	-32	-2.6%
55.6%	1,203	1,188	-15	-1.2%
56.8%	1,194	1,187	-7	-0.6%
58.0%	1,189	1,180	-9	-0.8%
59.3%	1,176	1,176	0	0.0%
60.5%	1,173	1,160	-13	-1.1%
61.7%	1,163	1,138	-25	-2.2%
63.0%	1,155	1,137	-18	-1.5%
64.2%	1,134	1,132	-3	-0.2%
65.4%	1,132	1,121	-11	-1.0%
66.7%	1,129	1,121	-8	-0.7%
67.9%	1,100	1,102	2	0.2%
69.1%	1,094	1,102	8	0.7%
70.4%	1,076	1,100	23	2.2%
71.6%	1,070	1,093	23	2.2%
72.8%	1,045	1,087	42	4.0%
74.1%	1,009	1,059	50	5.0%
75.3%	995	1,017	22	2.2%
76.5%	987	1,000	13	1.3%
77.8%	969	968	-1	-0.1%
79.0%	929	905	-25	-2.7%
80.2%	884	884	0	0.0%
81.5%	860	874	14	1.6%
82.7%	848	860	12	1.4%
84.0%	781	845	65	8.3%
85.2%	761	842	81	10.6%
86.4%	759	822	64	8.4%
87.7%	755	805	50	6.6%
88.9%	747	795	48	6.4%
90.1%	716	761	45	6.3%
91.4%	700	751	50	7.2%
92.6%	685	709	25	3.6%
93.8%	662	694	32	4.8%
95.1%	639	668	29	4.5%
96.3%	502	588	86	17.1%
97.5%	297	402	105	35.4%
98.8%	232	429	97	29.3%
100.0%	266	408	142	53.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,98			



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

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,124	2,034	-90	-4.2%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	1,996	1,996	-4	-0.2%
23.5%	1,996	1,986	-9	-0.5%
24.7%	1,974	1,977	3	0.2%
25.9%	1,969	1,922	-47	-2.4%
27.2%	1,968	1,916	-52	-2.6%
28.4%	1,952	1,907	-45	-2.3%
29.6%	1,930	1,902	-28	-1.4%
30.9%	1,922	1,889	-33	-1.7%
32.1%	1,887	1,871	-16	-0.8%
33.3%	1,880	1,859	-21	-1.1%
34.6%	1,855	1,833	-22	-1.2%
35.8%	1,826	1,826	0	0.0%
37.0%	1,792	1,792	0	0.0%
38.3%	1,765	1,771	6	0.3%
39.5%	1,751	1,751	0	0.0%
40.7%	1,738	1,733	-5	-0.3%
42.0%	1,723	1,696	-27	-1.6%
43.2%	1,686	1,686	0	0.0%
44.4%	1,686	1,647	-40	-2.3%
45.7%	1,615	1,631	16	1.0%
46.9%	1,598	1,613	15	0.9%
48.1%	1,598	1,601	3	0.2%
49.4%	1,582	1,575	-7	-0.5%
50.6%	1,577	1,569	-7	-0.4%
51.9%	1,568	1,563	-6	-0.4%
53.1%	1,561	1,561	0	0.0%
54.3%	1,550	1,558	8	0.5%
55.6%	1,548	1,530	-19	-1.2%
56.8%	1,540	1,507	-32	-2.1%
58.0%	1,538	1,495	-43	-2.8%
59.3%	1,523	1,462	-61	-4.0%
60.5%	1,493	1,462	-30	-2.0%
61.7%	1,430	1,462	32	2.2%
63.0%	1,427	1,407	-20	-1.4%
64.2%	1,413	1,377	-36	-2.5%
65.4%	1,401	1,367	-34	-2.4%
66.7%	1,396	1,365	-31	-2.2%
67.9%	1,378	1,365	-13	-0.9%
69.1%	1,369	1,363	-6	-0.5%
70.4%	1,351	1,355	5	0.3%
71.6%	1,350	1,349	-1	0.0%
72.8%	1,334	1,348	14	1.1%
74.1%	1,326	1,344	18	1.3%
75.3%	1,292	1,321	29	2.2%
76.5%	1,291	1,293	2	0.1%
77.8%	1,269	1,293	23	1.8%
79.0%	1,238	1,285	47	3.8%
80.2%	1,212	1,267	54	4.5%
81.5%	1,160	1,206	46	3.9%
82.7%	1,157	1,191	34	3.0%
84.0%	1,153	1,171	18	1.6%
85.2%	1,152	1,167	15	1.3%
86.4%	1,118	1,125	7	0.6%
87.7%	1,087	1,101	14	1.3%
88.9%	971	1,026	54	5.6%
90.1%	924	946	22	2.4%
91.4%	859	913	54	6.3%
92.6%	849	888	39	4.6%
93.8%	811	861	50	6.1%
95.1%	782	854	72	9.2%
96.3%	741	878	48	6.4%
97.5%	706	786	80	11.3%
98.8%	620	761	141	22.8%
100.0%	499	500	1	0.1%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,264	2,264	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,096	-4	-0.2%
25.9%	2,098	2,089	-9	-0.4%
27.2%	2,096	2,073	-24	-1.1%
28.4%	2,067	2,071	4	0.2%
29.6%	2,056	2,056	0	0.0%
30.9%	2,050	2,050	0	0.0%
32.1%	2,050	2,020	-30	-1.5%
33.3%	2,044	2,017	-27	-1.3%
34.6%	2,034	1,991	-44	-2.1%
35.8%	2,014	1,990	-24	-1.2%
37.0%	1,988	1,980	-8	-0.4%
38.3%	1,966	1,972	6	0.3%
39.5%	1,963	1,933	-30	-1.5%
40.7%	1,955	1,927	-28	-1.4%
42.0%	1,943	1,911	-32	-1.7%
43.2%	1,907	1,907	0	0.0%
44.4%	1,849	1,844	-4	-0.2%
45.7%	1,837	1,840	3	0.1%
46.9%	1,800	1,828	28	1.6%
48.1%	1,781	1,800	18	1.0%
49.4%	1,761	1,777	15	0.9%
50.6%	1,733	1,731	-1	-0.1%
51.9%	1,727	1,701	-26	-1.5%
53.1%	1,720	1,697	-23	-1.3%
54.3%	1,713	1,687	-26	-1.5%
55.6%	1,703	1,684	-19	-1.1%
56.8%	1,698	1,683	-15	-0.9%
58.0%	1,676	1,679	3	0.2%
59.3%	1,653	1,631	-21	-1.3%
60.5%	1,628	1,596	-32	-2.0%
61.7%	1,574	1,563	-10	-0.7%
63.0%	1,571	1,559	-12	-0.8%
64.2%	1,559	1,550	-9	-0.6%
65.4%	1,556	1,544	-12	-0.8%
66.7%	1,543	1,531	-13	-0.8%
67.9%	1,539	1,522	-17	-1.1%
69.1%	1,532	1,522	-10	-0.7%
70.4%	1,503	1,514	11	0.7%
71.6%	1,495	1,496	1	0.1%
72.8%	1,451	1,479	28	1.9%
74.1%	1,423	1,454	31	2.2%
75.3%	1,422	1,436	14	1.0%
76.5%	1,413	1,413	0	0.0%
77.8%	1,411	1,411	0	0.0%
79.0%	1,396	1,402	6	0.4%
80.2%	1,323	1,371	48	3.6%
81.5%	1,318	1,320	2	0.2%
82.7%	1,305	1,302	-4	-0.3%
84.0%	1,296	1,300	3	0.2%
85.2%	1,228	1,291	63	5.1%
86.4%	1,161	1,276	115	9.9%
87.7%	1,156	1,258	102	8.8%
88.9%	1,115	1,125	10	0.9%
90.1%	1,111	1,124	13	1.1%
91.4%	1,001	1,122	120	12.0%
92.6%	983	1,037	54	5.5%
93.8%	915	1,074	159	17.4%
95.1%	898	944	45	5.0%
96.3%	871	910	39	4.5%
97.5%	854	877	23	2.7%
98.8%	833	846	13	1.5%
100.0%	605	605	1	0.1%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	3	0.1%
9.9%	2,292	2,292	0	0.0%
11.1%	2,290	2,289	-1	0.0%
12.3%	2,289	2,288	-1	-0.1%
13.6%	2,248	2,250	3	0.1%
14.8%	2,245	2,246	1	0.0%
16.0%	2,237	2,237	0	0.0%
17.3%	2,235	2,231	-3	-0.1%
18.5%	2,230	2,230	0	0.0%
19.8%	2,208	2,194	-14	-0.6%
21.0%	2,205	2,190	-15	-0.7%
22.2%	2,194	2,189	-5	-0.2%
23.5%	2,190	2,186	-4	-0.2%
24.7%	2,189	2,183	-5	-0.2%
25.9%	2,186	2,175	-11	-0.5%
27.2%	2,186	2,163	-23	-1.1%
28.4%	2,165	2,161	-4	-0.2%
29.6%	2,163	2,159	-4	-0.2%
30.9%	2,180	2,153	-28	-1.3%
32.1%	2,165	2,126	-40	-1.8%
33.3%	2,161	2,124	-37	-1.7%
34.6%	2,128	2,119	-9	-0.4%
35.8%	2,126	2,118	-8	-0.4%
37.0%	2,119	2,112	-7	-0.3%
38.3%	2,111	2,107	-4	-0.2%
39.5%	2,097	2,088	-9	-0.4%
40.7%	2,059	2,062	3	0.2%
42.0%	2,043	2,039	-4	-0.2%
43.2%	2,027	2,027	0	0.0%
44.4%	2,019	2,022	3	0.1%
45.7%	2,013	2,017	3	0.2%
46.9%	2,013	2,013	1	0.0%
48.1%	1,971	1,988	17	0.9%
49.4%	1,959	1,933	-26	-1.3%
50.6%	1,870	1,890	20	1.1%
51.9%	1,857	1,820	-37	-2.0%
53.1%	1,836	1,851	16	0.9%
54.3%	1,827	1,779	-48	-2.6%
55.6%	1,792	1,773	-19	-1.1%
56.8%	1,768	1,761	-7	-0.4%
58.0%	1,764	1,729	-35	-2.0%
59.3%	1,758	1,699	-59	-3.4%
60.5%	1,741	1,680	-61	-3.5%
61.7%	1,688	1,677	-11	-0.7%
63.0%	1,661	1,674	13	0.8%
64.2%	1,670	1,673	3	0.2%
65.4%	1,657	1,664	7	0.4%
66.7%	1,654	1,662	8	0.5%
67.9%	1,630	1,651	21	1.3%
69.1%	1,624	1,641	18	1.1%
70.4%	1,603	1,640	37	2.3%
71.6%	1,598	1,621	24	1.5%
72.8%	1,580	1,607	27	1.7%
74.1%	1,572	1,581	9	0.5%
75.3%	1,542	1,534	-8	-0.5%
76.5%	1,527	1,527	1	0.1%
77.8%	1,512	1,526	14	0.9%
79.0%	1,479	1,493	14	1.0%
80.2%	1,459	1,481	23	1.6%
81.5%	1,419	1,436	17	1.2%
82.7%	1,397	1,419	22	1.6%
84.0%	1,374	1,411	37	2.7%
85.2%	1,371	1,400	29	2.1%
86.4%	1,339	1,383	43	3.2%
87.7%	1,236	1,349	114	9.2%
88.9%	1,157	1,171	14	1.2%
90.1%	1,155	1,170	15	1.3%
91.4%	1,101	1,150	49	4.4%
92.6%	1,046	1,128	82	7.8%
93.8%	1,000	1,091	91	9.1%
95.1%	929	1,000	71	7.7%
96.3%	878	920	42	4.8%
97.5%	864	924	60	6.9%
98.8%	850	781	-69	-8.1%
100.0%	648	647	-1	0.1%

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

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,347	2,347	0	0.0%
1.2%	2,181	2,182	1	0.0%
2.5%	2,178	2,180	3	0.1%
3.7%	2,080	2,078	-2	-0.1%
4.9%	2,067	2,065	-2	-0.1%
6.2%	2,030	2,030	0	0.0%
7.4%	2,014	2,014	0	0.0%
8.6%	1,995	1,995	0	0.0%
9.9%	1,992	1,995	3	0.1%
11.1%	1,987	1,989	2	0.1%
12.3%	1,982	1,982	0	0.0%
13.6%	1,982	1,982	0	0.0%
14.8%	1,971	1,982	11	0.6%
16.0%	1,955	1,971	16	0.8%
17.3%	1,955	1,955	0	0.0%
18.5%	1,944	1,944	-26	-1.3%
19.8%	1,916	1,916	0	0.0%
21.0%	1,916	1,915	-1	-0.0%
22.2%	1,915	1,903	-11	-0.6%
23.5%	1,903	1,902	-1	-0.1%
24.7%	1,902	1,883	-19	-1.0%
25.9%	1,901	1,872	-29	-1.5%
27.2%	1,886	1,864	-22	-1.2%
28.4%	1,883	1,846	-36	-1.9%
29.6%	1,870	1,845	-25	-1.4%
30.9%	1,847	1,838	-9	-0.5%
32.1%	1,845	1,826	-19	-1.0%
33.3%	1,807	1,788	-19	-1.1%
34.6%	1,801	1,785	-15	-0.8%
35.8%	1,792	1,781	-11	-0.6%
37.0%	1,788	1,758	-30	-1.7%
38.3%	1,758	1,755	-2	-0.1%
39.5%	1,713	1,750	37	2.1%
40.7%	1,711	1,715	4	0.2%
42.0%	1,686	1,710	24	1.4%
43.2%	1,686	1,684	-2	-0.1%
44.4%	1,685	1,671	-14	-0.8%
45.7%	1,623	1,645	23	1.4%
46.9%	1,623	1,641	18	1.1%
48.1%	1,621	1,637	16	1.0%
49.4%	1,619	1,624	5	0.3%
50.6%	1,618	1,618	0	0.0%
51.9%	1,593	1,590	-4	-0.2%
53.1%	1,586	1,587	1	0.1%
54.3%	1,580	1,566	-13	-0.8%
55.6%	1,571	1,555	-15	-1.0%
56.8%	1,568	1,552	-14	-0.9%
58.0%	1,540	1,545	6	0.4%
59.3%	1,526	1,543	17	1.1%
60.5%	1,524	1,535	11	0.7%
61.7%	1,516	1,519	4	0.2%
63.0%	1,509	1,494	-15	-1.0%
64.2%	1,493	1,450	-43	-2.9%
65.4%	1,460	1,441	-18	-1.3%
66.7%	1,454	1,441	-13	-0.9%
67.9%	1,434	1,429	-5	-0.4%
69.1%	1,397	1,425	28	2.0%
70.4%	1,395	1,396	2	0.1%
71.6%	1,366	1,392	26	1.9%
72.8%	1,359	1,381	22	1.6%
74.1%	1,351	1,377	26	1.9%
75.3%	1,333	1,364	31	2.3%
76.5%	1,323	1,300	-23	-1.7%
77.8%	1,309	1,286	-23	-1.8%
79.0%	1,271	1,274	4	0.3%
80.2%	1,252	1,252	0	0.0%
81.5%	1,226	1,236	10	0.8%
82.7%	1,163	1,214	51	4.4%
84.0%	1,138	1,190	52	4.6%
85.2%	1,134	1,167	33	2.9%
86.4%	1,129	1,166	37	3.3%
87.7%	1,072	1,117	45	4.2%
88.9%	1,056	1,101	45	4.2%
90.1%	1,041	1,088	47	4.4%
91.4%	992	1,070	78	7.8%
92.6%	968	1,065	97	10.0%
93.8%	896	966	71	7.9%
95.1%	861	867	6	0.7%
96.3%	748	803	55	7.4%
97.5%	732	802	71	9.7%
98.8%	571	617	47	8.2%
100.0%	460	483	23	5.0%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,247	-23	-1.0%
1.2%	2,131	2,131	0	0.0%
2.5%	2,023	2,026	3	0.1%
3.7%	1,963	1,919	-43	-2.2%
4.9%	1,884	1,884	0	0.0%
6.2%	1,878	1,881	3	0.2%
7.4%	1,867	1,873	7	0.4%
8.6%	1,867	1,867	0	0.0%
9.9%	1,862	1,863	1	0.1%
11.1%	1,858	1,862	4	0.2%
12.3%	1,852	1,858	6	0.3%
13.6%	1,837	1,850	13	0.7%
14.8%	1,833	1,829	-4	-0.2%
16.0%	1,832	1,827	-5	-0.3%
17.3%	1,817	1,820	3	0.1%
18.5%	1,804	1,817	13	0.7%
19.8%	1,779	1,814	34	1.9%
21.0%	1,766	1,759	-7	-0.4%
22.2%	1,765	1,741	-23	-1.3%
23.5%	1,741	1,723	-18	-1.1%
24.7%	1,737	1,718	-19	-1.1%
25.9%	1,717	1,718	1	0.1%
27.2%	1,697	1,697	0	0.0%
28.4%	1,689	1,689	-4	-0.2%
29.6%	1,691	1,685	-7	-0.4%
30.9%	1,691	1,677	-14	-0.8%
32.1%	1,687	1,673	-15	-0.9%
33.3%	1,654	1,668	14	0.8%
34.6%	1,609	1,648	40	2.5%
35.8%	1,595	1,628	33	2.1%
37.0%	1,580	1,602	22	1.4%
38.3%	1,576	1,595	20	1.2%
39.5%	1,567	1,563	-4	-0.3%
40.7%	1,555	1,555	0	0.0%
42.0%	1,521	1,538	17	1.1%
43.2%	1,508	1,508	-1	-0.1%
44.4%	1,492	1,485	-7	-0.5%
45.7%	1,482	1,477	-5	-0.3%
46.9%	1,475	1,461	-14	-1.0%
48.1%	1,463	1,449	-14	-1.0%
49.4%	1,430	1,416	-14	-1.0%
50.6%	1,427	1,406	-22	-1.5%
51.9%	1,411	1,402	-9	-0.6%
53.1%	1,406	1,401	-5	-0.3%
54.3%	1,403	1,398	-5	-0.4%
55.6%	1,402	1,393	-9	-0.6%
56.8%	1,399	1,378	-21	-1.5%
58.0%	1,398	1,375	-23	-1.6%
59.3%	1,389	1,368	-22	-1.6%
60.5%	1,372	1,368	-5	-0.4%
61.7%	1,360	1,365	4	0.3%
63.0%	1,353	1,364	10	0.8%
64.2%	1,325	1,344	19	1.4%
65.4%	1,317	1,337	20	1.5%
66.7%	1,284	1,313	30	2.3%
67.9%	1,281	1,313	32	2.5%
69.1%	1,275	1,285	11	0.8%
70.4%	1,220	1,254	44	3.6%
71.6%	1,206	1,243	37	3.1%
72.8%	1,191	1,208	17	1.4%
74.1%	1,183	1,202	19	1.6%
75.3%	1,170	1,165	-5	-0.5%
76.5%	1,160	1,125	-35	-3.0%
77.8%	1,125	1,078	-47	-4.2%
79.0%	1,088	1,071	-17	-1.6%
80.2%	1,071	1,054	-17	-1.6%
81.5%	1,020	1,049	29	2.9%
82.7%	1,006	1,035	30	3.0%
84.0%	995	1,012	27	2.7%
85.2%	967	1,011	43	4.5%
86.4%	966	993	27	2.8%
87.7%	949	970	21	2.2%
88.9%	932	965	33	3.5%
90.1%	873	963	90	10.3%
91.4%	823	955	132	16.0%
92.6%	814	899	86	10.6%
93.8%	787	847	60	7.6%
95.1%	765	871	106	13.9%
96.3%	629	684	55	8.7%
97.5%	622	641	19	2.9%
98.8%	520	553	33	6.4%
100.0%	240	256	16	6.8%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,147	-3	-0.2%
1.2%	1,991	2,011	20	1.0%
2.5%	1,858	1,845	-12	-0.7%
3.7%	1,843	1,770	-73	-3.9%
4.9%	1,779	1,748	-31	-1.7%
6.2%	1,729	1,748	17	1.0%
7.4%	1,721	1,734	12	0.7%
8.6%	1,718	1,730	12	0.7%
9.9%	1,716	1,721	5	0.3%
11.1%	1,713	1,718	5	0.3%
12.3%	1,708	1,716	8	0.4%
13.6%	1,697	1,709	12	0.7%
14.8%	1,688	1,697	9	0.5%
16.0%	1,681	1,676	-5	-0.3%
17.3%	1,681	1,661	-19	-1.2%
18.5%	1,654	1,648	-6	-0.4%
19.8%	1,628	1,640	11	0.7%
21.0%	1,613	1,673	40	2.5%
22.2%	1,613	1,569	-44	-2.7%
23.5%	1,592	1,561	-31	-1.9%
24.7%	1,586	1,539	-47	-3.0%
25.9%	1,552	1,531	-21	-1.3%
27.2%	1,541	1,517	-25	-1.6%
28.4%	1,537	1,505	-32	-2.1%
29.6%	1,524	1,505	-20	-1.3%
30.9%	1,517	1,496	-21	-1.4%
32.1%	1,478	1,492	14	1.0%
33.3%	1,469	1,490	20	1.4%
34.6%	1,460	1,457	-3	-0.2%
35.8%	1,442	1,422	-20	-1.4%
37.0%	1,430	1,413	-17	-1.2%
38.3%	1,428	1,384	-44	-3.1%
39.5%	1,426	1,381	-45	-3.2%
40.7%	1,355	1,371	16	1.2%
42.0%	1,344	1,344	0	0.0%
43.2%	1,339	1,326	-13	-1.0%
44.4%	1,339	1,303	-35	-2.6%
45.7%	1,326	1,291	-35	-2.6%
46.9%	1,296	1,290	-6	-0.5%
48.1%	1,296	1,278	-17	-1.3%
49.4%	1,280	1,270	-9	-0.7%
50.6%	1,267	1,269	2	0.2%
51.9%	1,251	1,247	-4	-0.3%
53.1%	1,240	1,235	-5	-0.4%
54.3%	1,239	1,234	-5	-0.4%
55.6%	1,236	1,215	-21	-1.7%
56.8%	1,235	1,212	-23	-1.8%
58.0%	1,232	1,205	-27	-2.2%
59.3%	1,225	1,202	-22	-1.8%
60.5%	1,219	1,201	-18	-1.5%
61.7%	1,198	1,200	1	0.1%
63.0%	1,171	1,198	27	2.3%
64.2%	1,168	1,168	0	0.0%
65.4%	1,149	1,175	25	2.2%
66.7%	1,142	1,166	24	2.1%
67.9%	1,136	1,133	-3	-0.2%
69.1%	1,123	1,113	-9	-0.8%
70.4%	1,117	1,085	-32	-2.8%
71.6%	1,074	1,050	-24	-2.3%
72.8%	1,065	1,015	-49	-4.6%
74.1%	986	1,006	20	2.1%
75.3%	982	978	-4	-0.4%
76.5%	963	956	-7	-0.7%
77.8%	953	953	0	0.0%
79.0%	919	948	29	3.2%
80.2%	899	919	20	2.3%
81.5%	869	894	25	2.8%
82.7%	863	879	16	1.9%
84.0%	850	877	27	3.2%
85.2%	832	839	6	0.8%
86.4%	816	828	13	1.5%
87.7%	780	817	37	4.7%
88.9%	759	804	45	5.9%
90.1%	685	774	89	12.9%
91.4%	700	748	48	6.9%
92.6%	697	745	47	6.8%
93.8%	671	732	61	9.1%
95.1%	666	662	-4	-0.6%
96.3%	598	642	45	7.5%
97.5%	590	600	10	1.7%
98.8%	297	454	157	52.7%
100.0%	240	240	0	0.0%

September				
Percent Exceedance Probability (%)	WSIP			

Figure SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

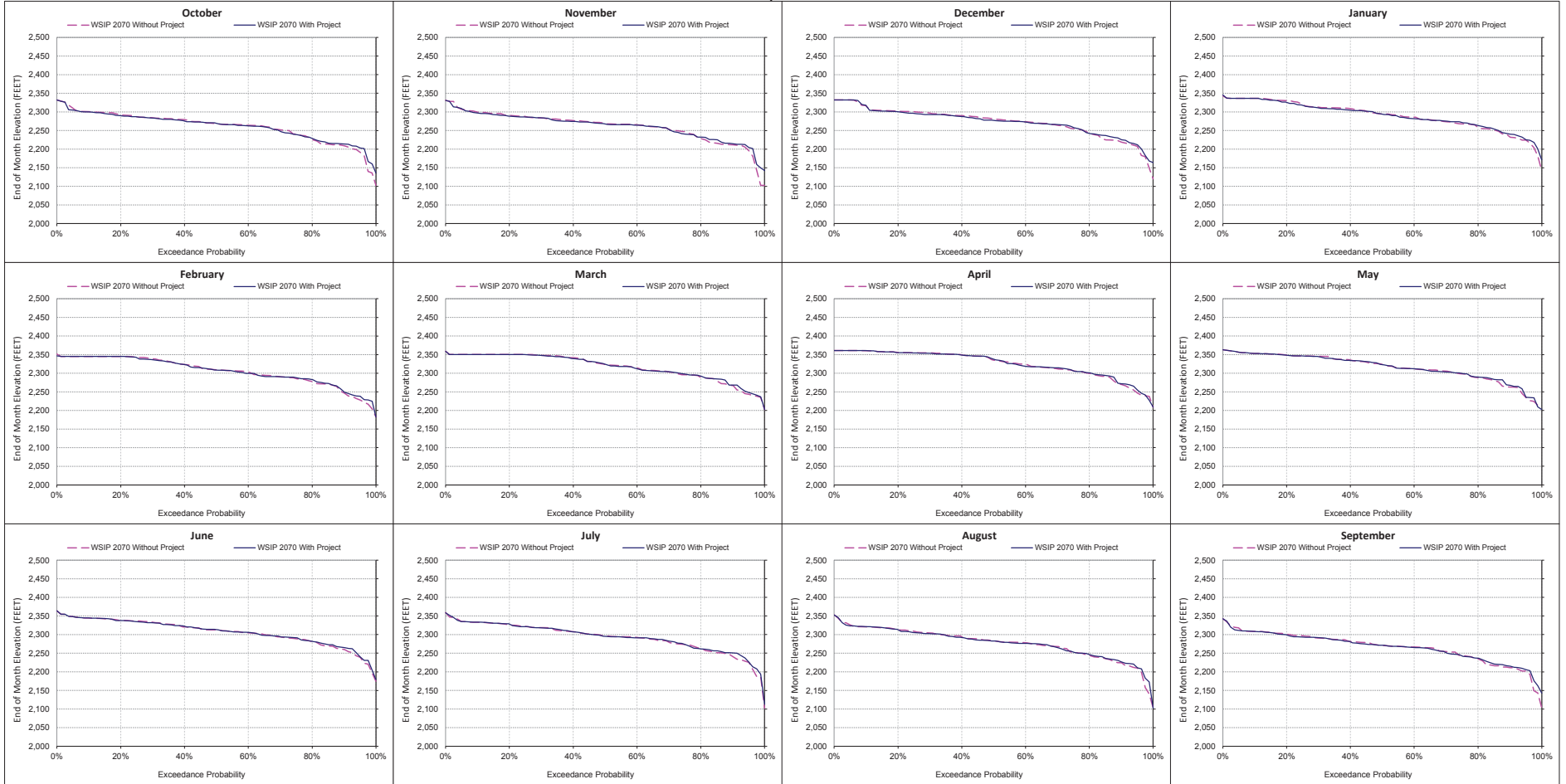


Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

Percent Exceedance Probability (%)	October		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.332	2.332	0	0.0%
1.2%	2.328	2.328	-1	0.0%
2.5%	2.326	2.326	0	0.0%
3.7%	2.318	2.305	-13	-0.6%
4.9%	2.310	2.305	-5	-0.2%
6.2%	2.302	2.304	1	0.0%
7.4%	2.301	2.301	0	0.0%
8.6%	2.301	2.300	-1	0.0%
9.9%	2.301	2.300	-1	0.0%
11.1%	2.300	2.300	-1	0.0%
12.3%	2.299	2.298	-1	-0.1%
13.6%	2.299	2.298	-1	-0.1%
14.8%	2.298	2.296	-3	-0.1%
16.0%	2.298	2.295	-3	-0.1%
17.3%	2.298	2.294	-4	-0.2%
18.5%	2.295	2.291	-4	-0.2%
19.8%	2.292	2.290	-2	-0.1%
21.0%	2.291	2.289	-2	-0.1%
22.2%	2.291	2.289	-2	-0.1%
23.5%	2.290	2.287	-3	-0.1%
24.7%	2.288	2.287	0	0.0%
25.9%	2.286	2.286	0	0.0%
27.2%	2.285	2.286	1	0.0%
28.4%	2.285	2.284	-1	0.0%
29.6%	2.285	2.284	-1	0.0%
30.9%	2.283	2.283	0	0.0%
32.1%	2.283	2.282	-1	-0.1%
33.3%	2.283	2.280	-3	-0.1%
34.6%	2.282	2.280	-2	-0.1%
35.8%	2.282	2.280	-2	-0.1%
37.0%	2.280	2.279	-1	-0.1%
38.3%	2.280	2.278	-2	-0.1%
39.5%	2.280	2.276	-4	-0.2%
40.7%	2.278	2.274	-4	-0.2%
42.0%	2.275	2.273	-2	-0.1%
43.2%	2.274	2.273	-1	-0.1%
44.4%	2.274	2.273	-1	0.0%
45.7%	2.273	2.272	-1	0.0%
46.9%	2.270	2.271	1	0.0%
48.1%	2.270	2.270	0	0.0%
49.4%	2.269	2.270	1	0.1%
50.6%	2.268	2.268	0	0.0%
51.9%	2.267	2.267	0	0.0%
53.1%	2.266	2.266	0	0.0%
54.3%	2.266	2.266	0	0.0%
55.6%	2.266	2.265	-1	0.0%
56.8%	2.266	2.264	-2	-0.1%
58.0%	2.266	2.264	-2	-0.1%
59.3%	2.264	2.263	-1	0.0%
60.5%	2.264	2.262	-2	-0.1%
61.7%	2.264	2.262	-2	-0.1%
63.0%	2.263	2.261	-2	-0.1%
64.2%	2.263	2.261	-2	-0.1%
65.4%	2.260	2.259	-1	0.0%
66.7%	2.259	2.258	-1	0.0%
67.9%	2.254	2.253	-1	0.0%
69.1%	2.253	2.251	-2	-0.1%
70.4%	2.251	2.247	-4	-0.2%
71.6%	2.251	2.244	-7	-0.3%
72.8%	2.250	2.243	-7	-0.3%
74.1%	2.241	2.240	-1	0.0%
75.3%	2.241	2.239	-2	-0.1%
76.5%	2.237	2.237	0	0.0%
77.8%	2.236	2.233	-3	-0.1%
79.0%	2.230	2.232	2	0.1%
80.2%	2.225	2.228	3	0.2%
81.5%	2.222	2.224	2	0.1%
82.7%	2.214	2.221	6	0.3%
84.0%	2.214	2.219	5	0.2%
85.2%	2.213	2.216	3	0.1%
86.4%	2.212	2.215	3	0.2%
87.7%	2.212	2.215	3	0.1%
88.9%	2.211	2.214	3	0.1%
90.1%	2.208	2.214	5	0.2%
91.4%	2.205	2.213	8	0.4%
92.6%	2.201	2.209	8	0.4%
93.8%	2.199	2.208	9	0.4%
95.1%	2.191	2.203	12	0.6%
96.3%	2.183	2.201	19	0.9%
97.5%	2.140	2.166	27	1.3%
98.8%	2.136	2.160	24	1.1%
100.0%	2.103	2.136	33	1.6%

Percent Exceedance Probability (%)	November		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.331	2.330	-1	0.0%
1.2%	2.328	2.328	0	0.0%
2.5%	2.328	2.313	-15	-0.6%
3.7%	2.312	2.312	0	0.0%
4.9%	2.307	2.309	2	0.1%
6.2%	2.305	2.303	-2	-0.1%
7.4%	2.303	2.301	-2	-0.1%
8.6%	2.302	2.298	-4	-0.2%
9.9%	2.300	2.297	-3	-0.1%
11.1%	2.299	2.296	-3	-0.1%
12.3%	2.299	2.296	-3	-0.1%
13.6%	2.296	2.295	-2	-0.1%
14.8%	2.296	2.293	-3	-0.1%
16.0%	2.296	2.292	-3	-0.2%
17.3%	2.296	2.291	-5	-0.2%
18.5%	2.292	2.291	-1	0.0%
19.8%	2.291	2.289	-2	-0.1%
21.0%	2.289	2.288	-2	-0.1%
22.2%	2.289	2.287	-2	-0.1%
23.5%	2.288	2.287	-2	-0.1%
24.7%	2.288	2.286	-2	-0.1%
25.9%	2.286	2.286	0	0.0%
27.2%	2.285	2.285	1	0.0%
28.4%	2.284	2.284	0	0.0%
29.6%	2.284	2.284	0	0.0%
30.9%	2.283	2.284	0	0.0%
32.1%	2.281	2.283	2	0.1%
33.3%	2.281	2.278	-3	-0.1%
34.6%	2.281	2.276	-5	-0.2%
35.8%	2.280	2.276	-4	-0.2%
37.0%	2.278	2.275	-3	-0.1%
38.3%	2.278	2.275	-3	-0.1%
39.5%	2.277	2.275	-2	-0.1%
40.7%	2.276	2.274	-2	-0.1%
42.0%	2.273	2.272	-1	-0.1%
43.2%	2.273	2.273	0	0.0%
44.4%	2.274	2.273	-1	0.0%
45.7%	2.273	2.272	-1	-0.1%
46.9%	2.272	2.270	-2	-0.1%
48.1%	2.272	2.269	-3	-0.1%
49.4%	2.270	2.270	0	0.0%
50.6%	2.268	2.267	-1	-0.1%
51.9%	2.268	2.266	-2	-0.1%
53.1%	2.267	2.266	-1	0.0%
54.3%	2.267	2.266	-1	0.0%
55.6%	2.267	2.266	-1	0.0%
56.8%	2.267	2.266	-1	0.0%
58.0%	2.267	2.264	-3	-0.1%
59.3%	2.266	2.265	-1	-0.1%
60.5%	2.265	2.265	0	0.0%
61.7%	2.264	2.264	-1	0.0%
63.0%	2.263	2.262	-1	-0.1%
64.2%	2.261	2.261	0	0.0%
65.4%	2.260	2.261	1	0.0%
66.7%	2.260	2.260	0	0.0%
67.9%	2.258	2.258	0	0.0%
69.1%	2.257	2.257	0	0.0%
70.4%	2.252	2.251	-1	-0.1%
71.6%	2.250	2.246	-4	-0.2%
72.8%	2.249	2.245	-4	-0.2%
74.1%	2.248	2.242	-6	-0.3%
75.3%	2.247	2.240	-7	-0.3%
76.5%	2.242	2.239	-3	-0.1%
77.8%	2.239	2.239	0	0.0%
79.0%	2.231	2.232	1	0.0%
80.2%	2.228	2.232	4	0.2%
81.5%	2.225	2.232	7	0.3%
82.7%	2.218	2.226	8	0.3%
84.0%	2.217	2.226	9	0.4%
85.2%	2.216	2.225	9	0.4%
86.4%	2.213	2.219	6	0.3%
87.7%	2.213	2.216	3	0.2%
88.9%	2.212	2.216	4	0.2%
90.1%	2.212	2.218	6	0.3%
91.4%	2.210	2.213	3	0.1%
92.6%	2.210	2.213	3	0.1%
93.8%	2.206	2.213	7	0.3%
95.1%	2.196	2.204	8	0.4%
96.3%	2.181	2.202	21	1.0%
97.5%	2.142	2.159	17	0.8%
98.8%	2.103	2.150	47	2.2%
100.0%	2.103	2.142	40	1.9%

Percent Exceedance Probability (%)	December		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.327	2.331	4	0.2%
8.6%	2.327	2.330	3	0.1%
9.9%	2.317	2.317	1	0.0%
11.1%	2.306	2.305	-1	-0.1%
12.3%	2.305	2.304	-1	0.0%
13.6%	2.304	2.303	-1	-0.1%
14.8%	2.304	2.302	-2	-0.1%
16.0%	2.303	2.302	-1	-0.1%
17.3%	2.303	2.301	-2	-0.1%
18.5%	2.303	2.301	-2	-0.1%
19.8%	2.302	2.301	-1	0.0%
21.0%	2.301	2.299	-2	-0.1%
22.2%	2.301	2.298	-3	-0.1%
23.5%	2.301	2.296	-5	-0.2%
24.7%	2.301	2.296	-5	-0.2%
25.9%	2.300	2.295	-5	-0.2%
27.2%	2.299	2.294	-5	-0.2%
28.4%	2.298	2.298	0	0.0%
29.6%	2.297	2.293	-4	-0.2%
30.9%	2.295	2.293	-2	-0.1%
32.1%	2.295	2.293	-2	-0.1%
33.3%	2.294	2.293	-1	-0.1%
34.6%	2.294	2.292	-2	-0.1%
35.8%	2.292	2.291	-1	0.0%
37.0%	2.290	2.290	0	0.0%
38.3%	2.290	2.289	-2	-0.1%
39.5%	2.290	2.288	-2	-0.1%
40.7%	2.290	2.287	-3	-0.1%
42.0%	2.289	2.289	0	0.0%
43.2%	2.288	2.285	-3	-0.1%
44.4%	2.287	2.282	-5	-0.2%
45.7%	2.285	2.281	-4	-0.2%
46.9%	2.284	2.278	-6	-0.2%
48.1%	2.283	2.278	-5	-0.2%
49.4%	2.282	2.282	0	0.0%
50.6%	2.281	2.277	-4	-0.2%
51.9%	2.280	2.276	-4	-0.2%
53.1%	2.278	2.275	-3	-0.1%
54.3%	2.278	2.275	-3	-0.1%
55.6%	2.276	2.275	-1	-0.1%
56.8%	2.275	2.275	0	0.0%
58.0%	2.275	2.274	-1	0.0%
59.3%	2.274	2.274	0	0.0%
60.5%	2.273	2.272	-1	-0.1%
61.7%	2.272	2.270	-2	-0.1%
63.0%	2.271	2.270	-1	-0.1%
64.2%	2.269	2.269	0	0.0%
65.4%	2.269	2.268	-1	0.0%
66.7%	2.269	2.268	-1	0.0%
67.9%	2.268	2.268	0	0.0%
69.1%	2.265	2.266	1	0.0%
70.4%	2.264	2.266	2	0.1%
71.6%	2.263	2.265	2	0.1%
72.8%	2.260	2.265	5	0.2%
74.1%	2.256	2.262	6	0.3%
75.3%	2.254	2.257	3	0.1%
76.5%	2.254	2.255	1	0.1%
77.8%	2.251	2.251	0	0.0%
79.0%	2.247	2.244	-3	-0.1%
80.2%	2.242	2.242	0	0.0%
81.5%	2.239	2.241	2	0.1%
82.7%	2.237	2.239	2	0.1%
84.0%	2.228	2.237	9	0.4%
85.2%	2.225	2.236	12	0.5%
86.4%	2.225	2.234	9	0.4%
87.7%	2.224	2.231	7	0.3%
88.9%	2.223	2.230	7	0.3%
90.1%	2.218	2.225	6	0.3%
91.4%	2.213	2.223	10	0.4%
92.6%	2.214	2.217	4	0.2%
93.8%	2.211	2.215	4	0.2%
95.1%	2.207	2.212	4	0.2%
96.3%	2.183	2.200	17	0.8%
97.5%	2.183	2.204	21	1.0%
98.8%	2.148	2.168	20	0.9%
100.0%	2.120	2.164	44	2.1%

Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

Percent Exceedance Probability (%)	February		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.352	2.347	-5	-0.2%
1.2%	2.345	2.345	0	0.0%
2.5%	2.345	2.345	0	0.0%
3.7%	2.345	2.345	0	0.0%
4.9%	2.345	2.345	0	0.0%
6.2%	2.345	2.345	0	0.0%
7.4%	2.345	2.345	0	0.0%
8.6%	2.345	2.345	0	0.0%
9.9%	2.345	2.345	0	0.0%
11.1%	2.345	2.345	0	0.0%
12.3%	2.345	2.345	0	0.0%
13.6%	2.345	2.345	0	0.0%
14.8%	2.345	2.345	0	0.0%
16.0%	2.345	2.345	0	0.0%
17.3%	2.345	2.345	0	0.0%
18.5%	2.345	2.345	0	0.0%
19.8%	2.345	2.345	0	0.0%
21.0%	2.345	2.345	0	0.0%
22.2%	2.345	2.345	0	0.0%
23.5%	2.345	2.344	-1	0.0%
24.7%	2.343	2.343	0	0.0%
25.9%	2.342	2.338	-4	-0.2%
27.2%	2.342	2.338	-4	-0.2%
28.4%	2.341	2.337	-4	-0.2%
29.6%	2.339	2.337	-2	-0.1%
30.9%	2.338	2.336	-2	-0.1%
32.1%	2.335	2.334	-1	-0.1%
33.3%	2.335	2.333	-2	-0.1%
34.6%	2.333	2.331	-2	-0.1%
35.8%	2.330	2.330	0	0.0%
37.0%	2.327	2.327	0	0.0%
38.3%	2.325	2.326	1	0.0%
39.5%	2.324	2.324	0	0.0%
40.7%	2.323	2.322	0	0.0%
42.0%	2.321	2.320	-1	-0.0%
43.2%	2.319	2.316	-3	-0.1%
44.4%	2.318	2.315	-3	-0.1%
45.7%	2.312	2.314	1	0.1%
46.9%	2.311	2.312	1	0.1%
48.1%	2.311	2.311	0	0.0%
49.4%	2.309	2.309	0	0.0%
50.6%	2.308	2.308	-1	0.0%
51.9%	2.308	2.308	0	0.0%
53.1%	2.308	2.308	0	0.0%
54.3%	2.307	2.307	1	0.0%
55.6%	2.307	2.305	-2	-0.1%
56.8%	2.305	2.303	-3	-0.1%
58.0%	2.306	2.302	-4	-0.2%
59.3%	2.305	2.299	-5	-0.2%
60.5%	2.302	2.299	-3	-0.1%
61.7%	2.297	2.299	3	0.1%
63.0%	2.298	2.295	-2	-0.1%
64.2%	2.295	2.292	-3	-0.1%
65.4%	2.294	2.291	-3	-0.1%
66.7%	2.294	2.291	-3	-0.1%
67.9%	2.292	2.291	-1	0.0%
69.1%	2.291	2.291	-1	0.0%
70.4%	2.290	2.290	0	0.0%
71.6%	2.290	2.290	0	0.0%
72.8%	2.289	2.290	1	0.1%
74.1%	2.288	2.289	2	0.1%
75.3%	2.285	2.287	2	0.1%
76.5%	2.285	2.285	0	0.0%
77.8%	2.283	2.285	2	0.1%
79.0%	2.280	2.284	5	0.2%
80.2%	2.277	2.283	5	0.2%
81.5%	2.272	2.277	5	0.2%
82.7%	2.272	2.275	3	0.2%
84.0%	2.271	2.273	2	0.1%
85.2%	2.271	2.273	2	0.1%
86.4%	2.268	2.269	1	0.0%
87.7%	2.265	2.266	1	0.0%
88.9%	2.262	2.268	6	0.3%
90.1%	2.246	2.249	3	0.1%
91.4%	2.239	2.245	6	0.3%
92.6%	2.237	2.242	5	0.2%
93.8%	2.232	2.239	7	0.3%
95.1%	2.228	2.238	10	0.5%
96.3%	2.222	2.229	7	0.3%
97.5%	2.217	2.228	11	0.5%
98.8%	2.205	2.225	20	0.9%
100.0%	2.183	2.183	0	0.0%

Percent Exceedance Probability (%)	March		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.359	2.359	0	0.0%
1.2%	2.350	2.350	0	0.0%
2.5%	2.350	2.350	0	0.0%
3.7%	2.350	2.350	0	0.0%
4.9%	2.350	2.350	0	0.0%
6.2%	2.350	2.350	0	0.0%
7.4%	2.350	2.350	0	0.0%
8.6%	2.350	2.350	0	0.0%
9.9%	2.350	2.350	0	0.0%
11.1%	2.350	2.350	0	0.0%
12.3%	2.350	2.350	0	0.0%
13.6%	2.350	2.350	0	0.0%
14.8%	2.350	2.350	0	0.0%
16.0%	2.350	2.350	0	0.0%
17.3%	2.350	2.350	0	0.0%
18.5%	2.350	2.350	0	0.0%
19.8%	2.350	2.350	0	0.0%
21.0%	2.350	2.350	0	0.0%
22.2%	2.350	2.350	0	0.0%
23.5%	2.350	2.350	0	0.0%
24.7%	2.350	2.350	0	0.0%
25.9%	2.350	2.350	0	0.0%
27.2%	2.350	2.349	-1	-0.1%
28.4%	2.348	2.349	0	0.0%
29.6%	2.348	2.348	0	0.0%
30.9%	2.348	2.348	0	0.0%
32.1%	2.348	2.346	-2	-0.1%
33.3%	2.347	2.346	-1	-0.1%
34.6%	2.347	2.344	-3	-0.1%
35.8%	2.344	2.344	-2	-0.1%
37.0%	2.344	2.343	-1	0.0%
38.3%	2.342	2.343	1	0.0%
39.5%	2.342	2.339	-3	-0.1%
40.7%	2.341	2.339	-2	-0.1%
42.0%	2.340	2.337	-3	-0.1%
43.2%	2.337	2.337	0	0.0%
44.4%	2.332	2.332	0	0.0%
45.7%	2.331	2.331	0	0.0%
46.9%	2.328	2.330	2	0.1%
48.1%	2.326	2.328	2	0.1%
49.4%	2.325	2.326	1	0.1%
50.6%	2.322	2.322	0	0.0%
51.9%	2.322	2.320	-2	-0.1%
53.1%	2.321	2.319	-2	-0.1%
54.3%	2.321	2.318	-2	-0.1%
55.6%	2.320	2.318	-2	-0.1%
56.8%	2.319	2.318	-1	-0.1%
58.0%	2.317	2.318	0	0.0%
59.3%	2.315	2.314	-2	-0.1%
60.5%	2.313	2.311	-3	-0.1%
61.7%	2.309	2.308	-1	0.0%
63.0%	2.309	2.308	-1	0.0%
64.2%	2.308	2.307	-1	0.0%
65.4%	2.307	2.306	-1	0.0%
66.7%	2.306	2.305	-1	0.0%
67.9%	2.306	2.304	-1	-0.1%
69.1%	2.305	2.304	-1	0.0%
70.4%	2.303	2.304	1	0.0%
71.6%	2.302	2.302	0	0.0%
72.8%	2.298	2.301	2	0.1%
74.1%	2.296	2.299	3	0.1%
75.3%	2.296	2.297	1	0.1%
76.5%	2.295	2.295	0	0.0%
77.8%	2.295	2.295	0	0.0%
79.0%	2.294	2.294	0	0.0%
80.2%	2.288	2.292	4	0.2%
81.5%	2.287	2.287	0	0.0%
82.7%	2.286	2.286	0	0.0%
84.0%	2.285	2.286	1	0.1%
85.2%	2.279	2.285	6	0.3%
86.4%	2.272	2.284	12	0.5%
87.7%	2.272	2.282	10	0.4%
88.9%	2.268	2.269	1	0.0%
90.1%	2.267	2.268	1	0.1%
91.4%	2.266	2.268	2	0.1%
92.6%	2.260	2.269	9	0.4%
93.8%	2.245	2.252	7	0.3%
95.1%	2.243	2.249	5	0.2%
96.3%	2.240	2.245	5	0.2%
97.5%	2.241	2.241	0	0.0%
98.8%	2.235	2.237	2	0.1%
100.0%	2.203	2.203	0	0.0%

Percent Exceedance Probability (%)	April		Absolute Difference (FEET)	Relative Difference (%)
	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)		
0.0%	2.361	2.361	0	0.0%
1.2%	2.361	2.361	0	0.0%
2.5%	2.361	2.361	0	0.0%
3.7%	2.361	2.361	0	0.0%
4.9%	2.361	2.361	0	0.0%
6.2%	2.361	2.361	0	0.0%
7.4%	2.361	2.361	0	0.0%
8.6%	2.361	2.361	0	0.0%
9.9%	2.361	2.361	0	0.0%
11.1%	2.360	2.360	0	0.0%
12.3%	2.360	2.360	0	0.0%
13.6%	2.358	2.358	0	0.0%
14.8%	2.358	2.358	0	0.0%
16.0%	2.358	2.358	0	0.0%
17.3%	2.358	2.357	0	0.0%
18.5%	2.357	2.357	0	0.0%
19.8%	2.356	2.355	-1	0.0%
21.0%	2.356	2.355	-1	0.0%
22.2%	2.355	2.355	0	0.0%
23.5%	2.355	2.355	0	0.0%
24.7%	2.355	2.355	0	0.0%
25.9%	2.355	2.354	-1	0.0%
27.2%	2.355	2.354	-1	-0.1%
28.4%	2.355	2.348	-7	-0.3%
29.6%	2.353	2.353	-1	-0.1%
30.9%	2.355	2.353	-2	-0.1%
32.1%	2.354	2.352	-2	-0.1%
33.3%	2.354	2.352	-2	-0.1%
34.6%	2.352	2.351	0	0.0%
35.8%	2.352	2.351	0	0.0%
37.0%	2.351	2.351	0	0.0%
38.3%	2.351	2.351	0	0.0%
39.5%	2.350	2.350	0	0.0%
40.7%	2.348	2.348	0	0.0%
42.0%	2.347	2.347	0	0.0%
43.2%	2.346	2.346	0	0.0%
44.4%	2.346	2.346	0	0.0%
45.7%	2.346	2.346	0	0.0%
46.9%	2.346	2.346	0	0.0%
48.1%	2.343	2.344	1	0.1%
49.4%	2.336	2.339	3	0.1%
50.6%	2.334	2.336	2	0.1%
51.9%	2.332	2.335	2	0.1%
53.1%	2.331	2.332	1	0.1%
54.3%	2.330	2.326	-4	-0.2%
55.6%	2.327	2.326	-2	-0.1%
56.8%	2.327	2.325	-2	-0.1%
58.0%	2.325	2.322	-3	-0.1%
59.3%	2.324	2.319	-5	-0.2%
60.5%	2.323	2.318	-5	-0.2%
61.7%	2.318	2.318	-1	0.0%
63.0%	2.318	2.317	-1	0.0%
64.2%	2.317	2.317	0	0.0%
65.4%	2.316	2.316	1	0.0%
66.7%	2.316	2.316	1	0.0%
67.9%	2.314	2.315	2	0.1%
69.1%	2.313	2.315	2	0.1%
70.4%	2.311	2.314	3	0.1%
71.6%	2.311	2.313	2	0.1%
72.8%	2.309	2.312	2	0.1%
74.1%	2.309	2.309	3	0.1%
75.3%	2.306	2.305	-1	0.0%
76.5%	2.305	2.305	0	0.0%
77.8%	2.304	2.305	1	0.1%
79.0%	2.301	2.302	1	0.1%
80.2%	2.299	2.301	2	0.1%
81.5%	2.296	2.297	1	0.1%
82.7%	2.294	2.296	2	0.1%
84.0%	2.292	2.295	3	0.1%
85.2%	2.292	2.294	2	0.1%
86.4%	2.289	2.293	4	0.2%
87.7%	2.280	2.290	10	0.5%
88.9%	2.272	2.273	1	0.1%
90.1%	2.270	2.272	2	0.1%
91.4%	2.266	2.271	5	0.2%
92.6%	2.260	2.269	9	0.4%
93.8%	2.255	2.265	10	0.4%
95.1%	2.247	2.255	8	0.4%
96.3%	2.241	2.246	5	0.2%
97.5%	2.240	2.242	2	0.1%
98.8%	2.238	2.228	-10	-0.4%
100.0%	2.209	2.209	0	0.0%

Table SW-02-b  
Trinity Lake, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.364	2.364	0	0.0%
1.2%	2.355	2.355	0	0.0%
2.5%	2.354	2.355	0	0.0%
3.7%	2.349	2.349	0	0.0%
4.9%	2.349	2.348	0	0.0%
6.2%	2.347	2.347	0	0.0%
7.4%	2.346	2.346	0	0.0%
8.6%	2.345	2.345	0	0.0%
9.9%	2.344	2.345	0	0.0%
11.1%	2.344	2.344	0	0.0%
12.3%	2.344	2.344	0	0.0%
13.6%	2.344	2.344	0	0.0%
14.8%	2.343	2.344	1	0.0%
16.0%	2.341	2.343	1	0.1%
17.3%	2.341	2.341	0	0.0%
18.5%	2.340	2.338	-2	-0.1%
19.8%	2.338	2.338	0	0.0%
21.0%	2.338	2.338	0	0.0%
22.2%	2.338	2.337	-1	0.0%
23.5%	2.337	2.337	0	0.0%
24.7%	2.337	2.335	-2	-0.1%
25.9%	2.337	2.334	-2	-0.1%
27.2%	2.335	2.333	-2	-0.1%
28.4%	2.335	2.332	-3	-0.1%
29.6%	2.334	2.332	-2	-0.1%
30.9%	2.332	2.331	-1	0.0%
32.1%	2.332	2.330	-2	-0.1%
33.3%	2.329	2.327	-2	-0.1%
34.6%	2.328	2.327	-1	0.0%
35.8%	2.327	2.326	-1	0.0%
37.0%	2.327	2.324	-3	-0.1%
38.3%	2.324	2.324	0	0.0%
39.5%	2.321	2.324	3	0.1%
40.7%	2.320	2.321	0	0.0%
42.0%	2.318	2.320	2	0.1%
43.2%	2.318	2.318	0	0.0%
44.4%	2.318	2.317	-1	0.0%
45.7%	2.313	2.315	2	0.1%
46.9%	2.313	2.314	1	0.0%
48.1%	2.313	2.314	1	0.0%
49.4%	2.313	2.314	1	0.0%
50.6%	2.313	2.313	0	0.0%
51.9%	2.310	2.310	0	0.0%
53.1%	2.310	2.310	0	0.0%
54.3%	2.309	2.308	-1	0.0%
55.6%	2.308	2.307	-1	0.0%
56.8%	2.308	2.307	-1	0.0%
58.0%	2.306	2.306	0	0.0%
59.3%	2.305	2.306	1	0.1%
60.5%	2.305	2.306	1	0.0%
61.7%	2.304	2.304	0	0.0%
63.0%	2.303	2.302	-1	0.0%
64.2%	2.302	2.298	-4	-0.2%
65.4%	2.299	2.298	-2	-0.1%
66.7%	2.299	2.298	-1	0.0%
67.9%	2.297	2.297	0	0.0%
69.1%	2.294	2.296	2	0.1%
70.4%	2.294	2.294	0	0.0%
71.6%	2.291	2.293	2	0.1%
72.8%	2.291	2.292	1	0.0%
74.1%	2.290	2.292	2	0.1%
75.3%	2.289	2.291	2	0.1%
76.5%	2.288	2.286	-2	-0.1%
77.8%	2.286	2.285	-2	-0.1%
79.0%	2.283	2.283	0	0.0%
80.2%	2.281	2.281	0	0.0%
81.5%	2.279	2.280	1	0.0%
82.7%	2.272	2.277	5	0.2%
84.0%	2.270	2.275	5	0.2%
85.2%	2.269	2.273	4	0.2%
86.4%	2.269	2.273	4	0.2%
87.7%	2.263	2.268	5	0.2%
88.9%	2.261	2.266	5	0.2%
90.1%	2.260	2.265	5	0.2%
91.4%	2.254	2.263	9	0.4%
92.6%	2.251	2.262	11	0.5%
93.8%	2.243	2.251	8	0.4%
95.1%	2.239	2.240	1	0.0%
96.3%	2.223	2.231	8	0.4%
97.5%	2.221	2.231	10	0.5%
98.8%	2.197	2.204	7	0.3%
100.0%	2.175	2.113	5	0.2%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.359	2.358	-1	-0.1%
1.2%	2.347	2.352	5	0.2%
2.5%	2.346	2.346	0	0.0%
3.7%	2.342	2.338	-4	-0.2%
4.9%	2.335	2.335	0	0.0%
6.2%	2.335	2.335	0	0.0%
7.4%	2.334	2.334	1	0.0%
8.6%	2.333	2.334	0	0.0%
9.9%	2.333	2.333	0	0.0%
11.1%	2.333	2.333	0	0.0%
12.3%	2.332	2.333	1	0.0%
13.6%	2.331	2.332	1	0.0%
14.8%	2.331	2.330	0	0.0%
16.0%	2.331	2.330	0	0.0%
17.3%	2.329	2.330	0	0.0%
18.5%	2.328	2.329	1	0.0%
19.8%	2.326	2.329	3	0.1%
21.0%	2.325	2.325	-1	0.0%
22.2%	2.325	2.323	-2	0.0%
23.5%	2.323	2.321	-2	-0.1%
24.7%	2.323	2.321	-2	-0.1%
25.9%	2.321	2.321	0	0.0%
27.2%	2.319	2.319	0	0.0%
28.4%	2.319	2.319	0	0.0%
29.6%	2.318	2.318	1	0.0%
30.9%	2.318	2.318	-1	-0.1%
32.1%	2.318	2.317	-1	0.0%
33.3%	2.316	2.317	1	0.1%
34.6%	2.312	2.315	3	0.1%
35.8%	2.311	2.313	2	0.1%
37.0%	2.309	2.311	2	0.1%
38.3%	2.309	2.311	2	0.1%
39.5%	2.308	2.308	0	0.0%
40.7%	2.307	2.307	0	0.0%
42.0%	2.306	2.306	1	0.1%
43.2%	2.303	2.303	0	0.0%
44.4%	2.302	2.301	-1	0.0%
45.7%	2.301	2.301	0	0.0%
46.9%	2.300	2.299	-1	0.0%
48.1%	2.299	2.298	-1	0.0%
49.4%	2.297	2.297	-1	0.0%
50.6%	2.296	2.295	-2	-0.1%
51.9%	2.295	2.294	-1	0.0%
53.1%	2.295	2.294	0	0.0%
54.3%	2.294	2.294	0	0.0%
55.6%	2.294	2.294	-1	0.0%
56.8%	2.294	2.292	-2	-0.1%
58.0%	2.294	2.292	-2	-0.1%
59.3%	2.293	2.291	-2	-0.1%
60.5%	2.292	2.291	0	0.0%
61.7%	2.291	2.291	0	0.0%
63.0%	2.290	2.291	1	0.0%
64.2%	2.288	2.288	2	0.1%
65.4%	2.287	2.289	2	0.1%
66.7%	2.284	2.287	3	0.1%
67.9%	2.284	2.287	3	0.1%
69.1%	2.283	2.284	1	0.0%
70.4%	2.278	2.282	4	0.2%
71.6%	2.277	2.280	3	0.1%
72.8%	2.275	2.277	2	0.1%
74.1%	2.274	2.276	2	0.1%
75.3%	2.273	2.273	-1	0.0%
76.5%	2.272	2.268	-4	-0.2%
77.8%	2.268	2.264	-5	-0.2%
79.0%	2.265	2.263	-2	-0.1%
80.2%	2.263	2.261	-2	-0.1%
81.5%	2.257	2.260	3	0.1%
82.7%	2.256	2.259	3	0.2%
84.0%	2.253	2.256	3	0.1%
85.2%	2.251	2.256	5	0.2%
86.4%	2.251	2.254	3	0.1%
87.7%	2.249	2.252	3	0.1%
88.9%	2.247	2.251	4	0.2%
90.1%	2.240	2.251	10	0.5%
91.4%	2.234	2.250	16	0.7%
92.6%	2.232	2.244	11	0.5%
93.8%	2.229	2.237	9	0.4%
95.1%	2.225	2.226	1	0.0%
96.3%	2.206	2.214	8	0.4%
97.5%	2.187	2.208	20	0.9%
98.8%	2.187	2.194	7	0.3%
100.0%	2.103	2.113	11	0.5%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.353	2.353	0	0.0%
1.2%	2.344	2.346	2	0.1%
2.5%	2.333	2.332	-1	0.0%
3.7%	2.332	2.325	-6	-0.3%
4.9%	2.326	2.324	-3	-0.1%
6.2%	2.322	2.323	1	0.1%
7.4%	2.321	2.322	1	0.0%
8.6%	2.321	2.323	2	0.1%
9.9%	2.321	2.321	0	0.0%
11.1%	2.321	2.321	0	0.0%
12.3%	2.320	2.321	1	0.0%
13.6%	2.319	2.320	1	0.0%
14.8%	2.318	2.319	1	0.0%
16.0%	2.318	2.317	0	0.0%
17.3%	2.318	2.316	-2	-0.1%
18.5%	2.316	2.315	-1	0.0%
19.8%	2.313	2.314	1	0.0%
21.0%	2.312	2.309	-3	-0.1%
22.2%	2.312	2.308	-4	-0.2%
23.5%	2.310	2.308	-3	-0.1%
24.7%	2.310	2.306	-4	-0.2%
25.9%	2.307	2.305	-2	-0.1%
27.2%	2.306	2.304	-2	0.0%
28.4%	2.306	2.303	-3	-0.1%
29.6%	2.305	2.303	-2	0.0%
30.9%	2.304	2.302	-2	0.0%
32.1%	2.301	2.302	1	0.1%
33.3%	2.300	2.302	2	0.1%
34.6%	2.299	2.299	0	0.0%
35.8%	2.298	2.298	-2	-0.1%
37.0%	2.297	2.295	-2	-0.1%
38.3%	2.296	2.293	-4	-0.2%
39.5%	2.296	2.292	-4	0.0%
40.7%	2.290	2.292	2	0.1%
42.0%	2.289	2.289	-1	0.0%
43.2%	2.289	2.288	-1	0.0%
44.4%	2.289	2.286	-3	-0.1%
45.7%	2.288	2.285	-3	-0.1%
46.9%	2.285	2.285	-1	0.0%
48.1%	2.285	2.284	-1	0.0%
49.4%	2.284	2.283	-1	0.0%
50.6%	2.283	2.283	0	0.0%
51.9%	2.281	2.281	0	0.0%
53.1%	2.280	2.280	-1	0.0%
54.3%	2.280	2.279	0	0.0%
55.6%	2.280	2.277	-2	-0.1%
56.8%	2.280	2.277	-2	0.0%
58.0%	2.279	2.276	-3	-0.1%
59.3%	2.278	2.276	-2	-0.1%
60.5%	2.278	2.276	-2	-0.1%
61.7%	2.276	2.276	0	0.0%
63.0%	2.273	2.276	3	0.1%
64.2%	2.273	2.275	2	0.1%
65.4%	2.271	2.273	2	0.1%
66.7%	2.270	2.273	3	0.1%
67.9%	2.270	2.269	0	0.0%
69.1%	2.268	2.267	-1	0.0%
70.4%	2.268	2.265	-3	-0.1%
71.6%	2.263	2.261	-3	-0.1%
72.8%	2.262	2.257	-6	-0.3%
74.1%	2.253	2.256	3	0.1%
75.3%	2.253	2.252	0	0.0%
76.5%	2.251	2.250	-1	0.0%
77.8%	2.250	2.250	0	0.0%
79.0%	2.246	2.249	3	0.1%
80.2%	2.243	2.246	3	0.1%
81.5%	2.240	2.243	3	0.1%
82.7%	2.239	2.241	2	0.1%
84.0%	2.238	2.241	3	0.2%
85.2%	2.235	2.236	1	0.0%
86.4%	2.233	2.234	1	0.0%
87.7%	2.228	2.233	5	0.2%
88.9%	2.225	2.231	6	0.3%
90.1%	2.224	2.227	3	0.1%
91.4%	2.216	2.223	7	0.3%
92.6%	2.216	2.223	7	0.3%
93.8%	2.212	2.221	9	0.4%
95.1%	2.210	2.211	1	0.0%
96.3%	2.200	2.208	8	0.4%
97.5%	2.183	2.198	15	0.7%
98.8%	2.140	2.173	33	1.6%
100.0%	2.103	2.103	0	0.0%

September				
Percent Exceedance				

Figure SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

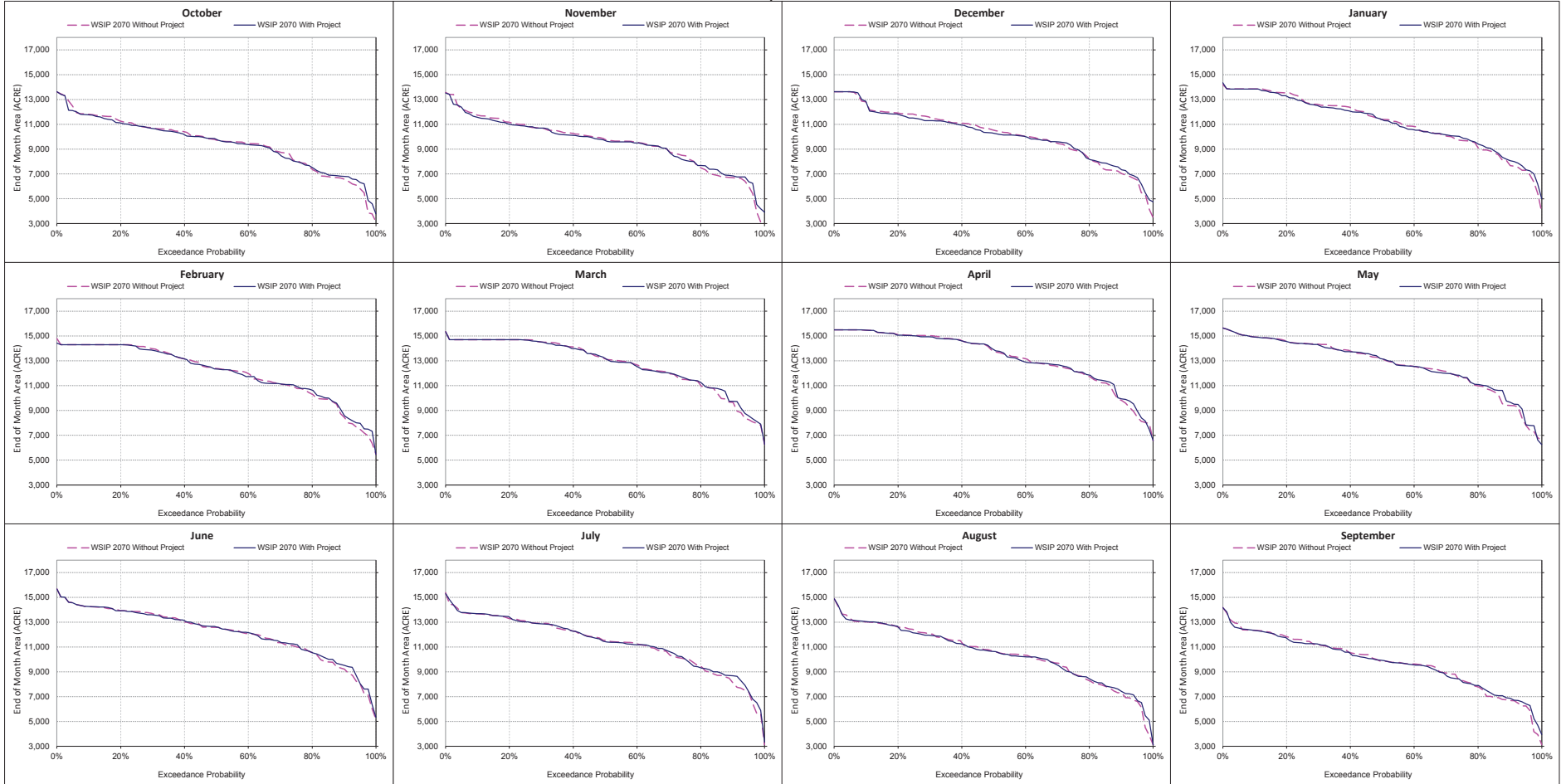


Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	13,625	13,625	0	0.1%	
1.2%	13,463	13,417	-46	-0.3%	
2.5%	13,311	13,311	0	0.0%	
3.7%	12,879	12,125	-754	-5.9%	
4.9%	12,464	12,116	-348	-2.8%	
6.2%	11,930	12,007	76	0.6%	
7.4%	11,848	11,910	-38	-0.3%	
8.6%	11,830	11,786	-53	-0.5%	
9.9%	11,808	11,758	-50	-0.4%	
11.1%	11,775	11,736	-39	-0.3%	
12.3%	11,717	11,636	-81	-0.7%	
13.6%	11,697	11,603	-93	-0.8%	
14.8%	11,658	11,470	-189	-1.6%	
16.0%	11,635	11,408	-227	-2.0%	
17.3%	11,634	11,362	-272	-2.3%	
18.5%	11,418	11,152	-266	-2.3%	
19.8%	11,264	11,125	-139	-1.2%	
21.0%	11,184	11,027	-157	-1.4%	
22.2%	11,152	11,014	-138	-1.2%	
23.5%	11,109	10,914	-195	-1.8%	
24.7%	10,935	10,905	-30	-0.3%	
25.9%	10,835	10,839	4	0.0%	
27.2%	10,782	10,833	51	0.5%	
28.4%	10,756	10,727	-28	-0.3%	
29.6%	10,739	10,673	-65	-0.6%	
30.9%	10,656	10,628	-28	-0.3%	
32.1%	10,632	10,549	-83	-0.8%	
33.3%	10,623	10,471	-152	-1.4%	
34.6%	10,569	10,449	-120	-1.1%	
35.8%	10,563	10,437	-126	-1.2%	
37.0%	10,451	10,370	-82	-0.8%	
38.3%	10,435	10,316	-119	-1.1%	
39.5%	10,430	10,216	-214	-2.1%	
40.7%	10,348	10,051	-297	-2.9%	
42.0%	10,144	10,014	-130	-1.3%	
43.2%	10,079	10,005	-74	-0.7%	
44.4%	10,070	10,001	-69	-0.7%	
45.7%	10,022	9,935	-87	-0.9%	
46.9%	9,835	9,883	48	0.5%	
48.1%	9,823	9,864	41	0.4%	
49.4%	9,774	9,863	89	0.9%	
50.6%	9,679	9,719	41	0.4%	
51.9%	9,642	9,622	-20	-0.2%	
53.1%	9,614	9,586	-28	-0.3%	
54.3%	9,608	9,580	-28	-0.3%	
55.6%	9,599	9,550	-49	-0.5%	
56.8%	9,573	9,432	-141	-1.5%	
58.0%	9,562	9,432	-130	-1.4%	
59.3%	9,452	9,390	-62	-0.7%	
60.5%	9,446	9,340	-105	-1.1%	
61.7%	9,435	9,316	-119	-1.3%	
63.0%	9,415	9,303	-112	-1.2%	
64.2%	9,378	9,283	-95	-1.0%	
65.4%	9,228	9,172	-56	-0.6%	
66.7%	9,174	9,080	-94	-1.0%	
67.9%	8,849	8,809	-39	-0.4%	
69.1%	8,821	8,723	-98	-1.1%	
70.4%	8,725	8,647	-77	-0.9%	
71.6%	8,691	8,266	-425	-4.9%	
72.8%	8,613	8,226	-386	-4.5%	
74.1%	8,096	8,050	-46	-0.6%	
75.3%	8,092	7,980	-112	-1.4%	
76.5%	7,888	7,868	0	0.0%	
77.8%	7,855	7,725	-129	-1.6%	
79.0%	7,596	7,668	72	0.9%	
80.2%	7,329	7,490	161	2.2%	
81.5%	7,185	7,274	89	1.2%	
82.7%	6,835	7,125	289	4.2%	
84.0%	6,813	7,056	243	3.6%	
85.2%	6,779	6,907	127	1.9%	
86.4%	6,713	6,876	163	2.4%	
87.7%	6,706	6,856	150	2.2%	
88.9%	6,670	6,822	152	2.3%	
90.1%	6,568	6,810	241	3.7%	
91.4%	6,398	6,768	370	5.8%	
92.6%	6,193	6,577	384	6.2%	
93.8%	6,095	6,535	440	7.2%	
95.1%	5,798	6,303	505	8.7%	
96.3%	5,471	6,208	737	13.5%	
97.5%	3,857	6,043	2,186	56.7%	
98.8%	3,781	4,602	821	21.7%	
100.0%	3,120	3,781	661	21.2%	

November					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	13,571	13,524	-46	-0.3%	
1.2%	13,405	13,414	10	0.1%	
2.5%	13,403	12,630	-774	-5.8%	
3.7%	12,556	12,556	0	0.0%	
4.9%	12,244	12,389	145	1.2%	
6.2%	12,121	11,965	-156	-1.3%	
7.4%	11,977	11,845	-132	-1.1%	
8.6%	11,926	11,858	-68	-0.6%	
9.9%	11,748	11,572	-176	-1.5%	
11.1%	11,677	11,488	-189	-1.6%	
12.3%	11,670	11,472	-198	-1.7%	
13.6%	11,526	11,421	-106	-0.9%	
14.8%	11,505	11,310	-195	-1.7%	
16.0%	11,485	11,254	-230	-2.0%	
17.3%	11,480	11,157	-323	-2.8%	
18.5%	11,203	11,151	-52	-0.5%	
19.8%	11,173	11,011	-163	-1.5%	
21.0%	11,096	10,944	-153	-1.4%	
22.2%	11,032	10,821	-211	-1.9%	
23.5%	10,988	10,881	-107	-1.0%	
24.7%	10,988	10,863	-125	-1.1%	
25.9%	10,817	10,806	-10	-0.1%	
27.2%	10,749	10,794	45	0.4%	
28.4%	10,727	10,703	-23	-0.2%	
29.6%	10,684	10,700	16	0.2%	
30.9%	10,664	10,691	27	0.3%	
32.1%	10,524	10,628	105	1.0%	
33.3%	10,507	10,353	-154	-1.5%	
34.6%	10,505	10,235	-270	-2.6%	
35.8%	10,427	10,181	-246	-2.4%	
37.0%	10,327	10,154	-173	-1.7%	
38.3%	10,326	10,143	-184	-1.8%	
39.5%	10,279	10,118	-160	-1.6%	
40.7%	10,213	10,091	-122	-1.2%	
42.0%	10,144	10,202	58	0.6%	
43.2%	10,121	10,002	-119	-1.2%	
44.4%	10,069	10,001	-68	-0.7%	
45.7%	10,023	9,935	-88	-0.9%	
46.9%	9,940	9,836	-104	-1.0%	
48.1%	9,939	9,794	-145	-1.5%	
49.4%	9,856	9,752	-103	-1.1%	
50.6%	9,693	9,619	-74	-0.8%	
51.9%	9,687	9,586	-102	-1.0%	
53.1%	9,649	9,586	-63	-0.7%	
54.3%	9,643	9,586	-57	-0.6%	
55.6%	9,640	9,586	-54	-0.6%	
56.8%	9,635	9,586	-50	-0.5%	
58.0%	9,632	9,572	-60	-0.6%	
59.3%	9,586	9,501	-85	-0.9%	
60.5%	9,524	9,498	-26	-0.3%	
61.7%	9,473	9,442	-31	-0.3%	
63.0%	9,392	9,318	-74	-0.8%	
64.2%	9,264	9,299	35	0.4%	
65.4%	9,234	9,285	51	0.6%	
66.7%	9,229	9,244	15	0.2%	
67.9%	9,103	9,085	-18	-0.2%	
69.1%	9,045	9,074	30	0.3%	
70.4%	8,751	8,679	-72	-0.8%	
71.6%	8,630	8,433	-197	-2.3%	
72.8%	8,596	8,353	-243	-2.8%	
74.1%	8,497	8,167	-330	-3.9%	
75.3%	8,461	8,075	-386	-4.6%	
76.5%	8,160	8,019	-140	-1.7%	
77.8%	8,019	7,996	-23	-0.3%	
79.0%	7,612	7,686	75	1.0%	
80.2%	7,463	7,667	204	2.7%	
81.5%	7,329	7,645	316	4.3%	
82.7%	7,024	7,386	362	5.2%	
84.0%	6,950	7,383	433	6.2%	
85.2%	6,885	7,334	450	6.5%	
86.4%	6,772	7,049	277	4.1%	
87.7%	6,749	6,914	165	2.4%	
88.9%	6,717	6,888	171	2.5%	
90.1%	6,643	6,697	54	0.8%	
91.4%	6,643	6,759	117	1.8%	
92.6%	6,636	6,757	121	1.8%	
93.8%	6,415	6,747	332	5.2%	
95.1%	5,975	6,361	386	6.5%	
96.3%	5,390	6,232	842	15.6%	
97.5%	3,812	6,039	2,227	58.4%	
98.8%	3,120	4,191	1,071	34.3%	
100.0%	3,120	3,781	798	25.6%	

December					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	13,625	13,625	0	0.0%	
1.2%	13,625	13,625	0	0.0%	
2.5%	13,625	13,625	0	0.0%	
3.7%	13,625	13,625	0	0.0%	
4.9%	13,625	13,625	0	0.0%	
6.2%	13,587	13,609	22	0.2%	
7.4%	13,333	13,547	214	1.6%	
8.6%	12,863	12,991	128	1.0%	
9.9%	12,817	12,863	46	0.4%	
11.1%	12,157	12,072	-86	-0.7%	
12.3%	12,087	12,013	-74	-0.6%	
13.6%	12,045	11,955	-91	-0.8%	
14.8%	12,035	11,902	-133	-1.1%	
16.0%	11,987	11,889	-98	-0.8%	
17.3%	11,982	11,848	-134	-1.1%	
18.5%	11,938	11,839	-98	-0.8%	
19.8%	11,913	11,836	-77	-0.6%	
21.0%	11,861	11,714	-147	-1.2%	
22.2%	11,831	11,641	-191	-1.6%	
23.5%	11,831	11,516	-314	-2.7%	
24.7%	11,831	11,511	-320	-2.7%	
25.9%	11,740	11,456	-285	-2.4%	
27.2%	11,685	11,393	-293	-2.5%	
28.4%	11,668	11,301	-367	-3.1%	
29.6%	11,596	11,298	-298	-2.6%	
30.9%	11,442	11,237	-205	-1.8%	
32.1%	11,426	11,280	-146	-1.3%	
33.3%	11,354	11,272	-82	-0.7%	
34.6%	11,350	11,224	-127	-1.1%	
35.8%	11,226	11,152	-75	-0.7%	
37.0%	11,123	11,099	-24	-0.2%	
38.3%	11,123	11,010	-112	-1.0%	
39.5%	11,097	10,942	-154	-1.4%	
40.7%	11,078	10,901	-178	-1.6%	
42.0%	11,033	11,053	20	0.2%	
43.2%	10,940	10,785	-155	-1.4%	
44.4%	10,917	10,574	-343	-3.1%	
45.7%	10,759	10,526	-233	-2.2%	
46.9%	10,686	10,342	-344	-3.2%	
48.1%	10,669	10,326	-343	-3.2%	
49.4%	10,572	10,309	-263	-2.5%	
50.6%	10,484	10,247	-237	-2.3%	
51.9%	10,425	10,184	-240	-2.3%	
53.1%	10,347	10,141	-206	-2.0%	
54.3%	10,330	10,132	-198	-1.9%	
55.6%	10,220	10,128	-92	-0.9%	
56.8%	10,168	10,122	-46	-0.5%	
58.0%	10,138	10,081	-57	-0.6%	
59.3%	10,054	10,055	1	0.0%	
60.5%	10,038	9,959	-78	-0.8%	
61.7%	9,976	9,820	-157	-1.6%	
63.0%	9,924	9,814	-110	-1.1%	
64.2%	9,799	9,783	-16	-0.2%	
65.4					



Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,795	14,437	-358	-2.4%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,281	-19	-0.1%
23.5%	14,281	14,238	-43	-0.3%
24.7%	14,183	14,197	15	0.1%
25.9%	14,160	13,949	-212	-1.5%
27.2%	14,154	13,922	-232	-1.6%
28.4%	14,085	13,883	-202	-1.4%
29.6%	13,987	13,861	-126	-0.9%
30.9%	13,949	13,799	-149	-1.1%
32.1%	13,792	13,721	-71	-0.5%
33.3%	13,761	13,667	-94	-0.7%
34.6%	13,649	13,549	-100	-0.7%
35.8%	13,517	13,519	2	0.0%
37.0%	13,364	13,364	0	0.0%
38.3%	13,243	13,270	27	0.2%
39.5%	13,180	13,178	-2	0.0%
40.7%	13,122	13,098	-24	-0.2%
42.0%	13,053	12,799	-255	-2.0%
43.2%	12,928	12,745	-183	-1.4%
44.4%	12,889	12,710	-178	-1.4%
45.7%	12,569	12,641	72	0.6%
46.9%	12,489	12,557	68	0.5%
48.1%	12,487	12,503	16	0.1%
49.4%	12,398	12,357	-41	-0.3%
50.6%	12,368	12,328	-40	-0.3%
51.9%	12,321	12,289	-32	-0.3%
53.1%	12,278	12,278	0	0.0%
54.3%	12,218	12,261	43	0.4%
55.6%	12,213	12,108	-105	-0.9%
56.8%	12,160	11,979	-181	-1.5%
58.0%	12,153	11,911	-242	-2.0%
59.3%	12,069	11,725	-344	-2.8%
60.5%	11,896	11,724	-171	-1.4%
61.7%	11,542	11,723	180	1.6%
63.0%	11,528	11,414	-114	-1.0%
64.2%	11,446	11,246	-200	-1.7%
65.4%	11,379	11,190	-189	-1.7%
66.7%	11,354	11,179	-175	-1.5%
67.9%	11,250	11,179	-71	-0.6%
69.1%	11,199	11,164	-35	-0.3%
70.4%	11,097	11,123	25	0.2%
71.6%	11,092	11,088	-4	0.0%
72.8%	11,001	11,081	80	0.7%
74.1%	10,957	11,057	101	0.9%
75.3%	10,767	10,928	162	1.5%
76.5%	10,763	10,772	9	0.1%
77.8%	10,633	10,770	137	1.3%
79.0%	10,440	10,729	289	2.8%
80.2%	10,282	10,617	335	3.3%
81.5%	9,958	10,240	282	2.8%
82.7%	9,936	10,148	213	2.1%
84.0%	9,913	10,128	112	1.1%
85.2%	9,906	10,000	94	0.9%
86.4%	9,700	9,741	41	0.4%
87.7%	9,505	9,590	86	0.9%
88.9%	8,743	9,105	362	4.1%
90.1%	8,424	8,574	150	1.8%
91.4%	7,965	8,354	389	4.9%
92.6%	7,926	8,185	259	3.3%
93.8%	7,668	8,006	338	4.4%
95.1%	7,471	7,961	490	6.6%
96.3%	7,190	7,513	323	4.5%
97.5%	6,955	7,496	542	7.8%
98.8%	6,372	7,329	958	15.0%
100.0%	5,467	6,273	4	0.1%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,356	15,356	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,685	-15	-0.1%
25.9%	14,690	14,655	-35	-0.2%
27.2%	14,685	14,591	-94	-0.6%
28.4%	14,700	14,585	-115	-0.8%
29.6%	14,524	14,524	0	0.0%
30.9%	14,501	14,501	0	0.0%
32.1%	14,500	14,378	-122	-0.8%
33.3%	14,477	14,368	-109	-0.8%
34.6%	14,438	14,259	-179	-1.2%
35.8%	14,356	14,257	-100	-0.7%
37.0%	14,246	14,208	-38	-0.3%
38.3%	14,145	14,174	28	0.2%
39.5%	14,134	13,997	-137	-1.0%
40.7%	14,097	13,970	-127	-0.9%
42.0%	14,043	13,898	-145	-1.0%
43.2%	13,883	13,881	-2	0.0%
44.4%	13,619	13,800	-19	-0.1%
45.7%	13,568	13,580	12	0.1%
46.9%	13,399	13,527	128	1.0%
48.1%	13,317	13,399	82	0.6%
49.4%	13,257	13,226	-31	-0.2%
50.6%	13,097	13,091	-6	0.0%
51.9%	13,074	12,955	-119	-0.9%
53.1%	13,041	12,938	-102	-0.8%
54.3%	13,008	12,891	-118	-0.9%
55.6%	12,963	12,876	-87	-0.7%
56.8%	12,940	12,873	-67	-0.5%
58.0%	12,842	12,856	14	0.1%
59.3%	12,736	12,641	-96	-0.8%
60.5%	12,627	12,477	-150	-1.2%
61.7%	12,351	12,292	-59	-0.5%
63.0%	12,335	12,267	-69	-0.6%
64.2%	12,270	12,221	-49	-0.4%
65.4%	12,253	12,187	-67	-0.5%
66.7%	12,182	12,111	-71	-0.6%
67.9%	12,156	12,062	-94	-0.8%
69.1%	12,118	12,061	-57	-0.5%
70.4%	11,952	12,014	63	0.5%
71.6%	11,910	11,915	4	0.0%
72.8%	11,662	11,819	158	1.4%
74.1%	11,505	11,678	173	1.5%
75.3%	11,499	11,579	81	0.7%
76.5%	11,447	11,447	0	0.0%
77.8%	11,434	11,436	2	0.0%
79.0%	11,355	11,387	32	0.3%
80.2%	10,943	11,212	269	2.5%
81.5%	10,915	10,927	11	0.1%
82.7%	10,843	10,821	-22	-0.2%
84.0%	10,793	10,810	17	0.2%
85.2%	10,376	10,759	383	3.7%
86.4%	9,963	10,676	713	7.2%
87.7%	9,932	10,562	630	6.3%
88.9%	9,679	9,741	62	0.6%
90.1%	9,655	9,734	78	0.8%
91.4%	8,942	9,720	779	8.7%
92.6%	8,620	9,181	562	6.5%
93.8%	8,367	8,760	393	4.7%
95.1%	8,256	8,557	300	3.6%
96.3%	8,072	8,335	263	3.3%
97.5%	7,961	8,114	153	1.9%
98.8%	7,818	7,904	86	1.1%
100.0%	6,269	6,273	4	0.1%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,489	15,500	11	0.1%
9.9%	15,468	15,468	0	0.0%
11.1%	15,458	15,458	-1	0.0%
12.3%	15,458	15,452	-6	0.0%
13.6%	15,290	15,301	10	0.1%
14.8%	15,281	15,283	2	0.0%
16.0%	15,248	15,248	0	0.0%
17.3%	15,239	15,225	-13	-0.1%
18.5%	15,218	15,218	0	0.0%
19.8%	15,130	15,074	-56	-0.4%
21.0%	15,120	15,059	-61	-0.4%
22.2%	15,074	15,054	-20	-0.1%
23.5%	15,059	15,044	-15	-0.1%
24.7%	15,054	15,034	-20	-0.1%
25.9%	15,044	14,999	-45	-0.3%
27.2%	15,044	14,950	-94	-0.6%
28.4%	15,039	14,944	-95	-0.6%
29.6%	15,034	14,935	-99	-0.7%
30.9%	15,022	14,911	-111	-0.7%
32.1%	14,961	14,803	-158	-1.1%
33.3%	14,944	14,795	-149	-1.0%
34.6%	14,810	14,776	-34	-0.2%
35.8%	14,803	14,770	-33	-0.2%
37.0%	14,778	14,750	-28	-0.2%
38.3%	14,743	14,729	-14	-0.1%
39.5%	14,687	14,651	-36	-0.2%
40.7%	14,535	14,548	13	0.1%
42.0%	14,455	14,473	18	0.1%
43.2%	14,383	14,408	25	0.2%
44.4%	14,376	14,387	11	0.1%
45.7%	14,353	14,367	14	0.1%
46.9%	14,350	14,353	3	0.0%
48.1%	14,169	14,248	79	0.6%
49.4%	13,843	13,999	156	1.1%
50.6%	13,716	13,806	90	0.7%
51.9%	13,656	13,753	98	0.7%
53.1%	13,560	13,631	71	0.5%
54.3%	13,522	13,305	-217	-1.6%
55.6%	13,362	13,277	-85	-0.6%
56.8%	13,345	13,229	-116	-0.9%
58.0%	13,239	13,081	-158	-1.2%
59.3%	13,212	12,945	-266	-2.0%
60.5%	13,135	12,862	-273	-2.1%
61.7%	12,895	12,845	-51	-0.4%
63.0%	12,866	12,832	-34	-0.3%
64.2%	12,816	12,829	13	0.1%
65.4%	12,757	12,790	33	0.3%
66.7%	12,742	12,779	36	0.3%
67.9%	12,637	12,730	93	0.7%
69.1%	12,606	12,686	80	0.6%
70.4%	12,512	12,679	166	1.3%
71.6%	12,488	12,596	109	0.9%
72.8%	12,390	12,532	142	1.1%
74.1%	12,344	12,392	48	0.4%
75.3%	12,174	12,129	-45	-0.4%
76.5%	12,087	12,091	4	0.0%
77.8%	12,003	12,084	81	0.7%
79.0%	11,820	11,900	81	0.7%
80.2%	11,704	11,833	129	1.1%
81.5%	11,483	11,576	93	0.8%
82.7%	11,357	11,483	126	1.1%
84.0%	11,228	11,436	207	1.8%
85.2%	11,212	11,374	163	1.

Table SW-03-b  
Trinity Lake, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,687	15,687	0	0.0%
1.2%	15,026	15,026	2	0.0%
2.5%	15,011	15,022	11	0.1%
3.7%	14,618	14,612	-6	-0.0%
4.9%	14,569	14,559	-10	-0.1%
6.2%	14,419	14,419	0	0.0%
7.4%	14,358	14,358	0	0.0%
8.6%	14,278	14,278	0	0.0%
9.9%	14,264	14,276	13	0.1%
11.1%	14,243	14,253	10	0.1%
12.3%	14,221	14,243	22	0.2%
13.6%	14,221	14,221	0	0.0%
14.8%	14,172	14,221	49	0.3%
16.0%	14,098	14,172	73	0.5%
17.3%	14,096	14,096	0	0.0%
18.5%	14,047	13,930	-117	-0.8%
19.8%	13,924	13,924	0	0.0%
21.0%	13,920	13,920	-2	-0.0%
22.2%	13,916	13,865	-51	-0.4%
23.5%	13,865	13,858	-7	-0.0%
24.7%	13,858	13,771	-87	-0.6%
25.9%	13,853	13,724	-129	-0.9%
27.2%	13,788	13,689	-99	-0.7%
28.4%	13,771	13,608	-163	-1.2%
29.6%	13,716	13,602	-115	-0.8%
30.9%	13,614	13,569	-45	-0.3%
32.1%	13,603	13,519	-84	-0.6%
33.3%	13,433	13,346	-87	-0.6%
34.6%	13,403	13,334	-69	-0.5%
35.8%	13,366	13,318	-48	-0.4%
37.0%	13,346	13,210	-136	-1.0%
38.3%	13,210	13,199	-11	-0.1%
39.5%	13,009	13,174	165	1.3%
40.7%	13,001	13,017	16	0.1%
42.0%	12,987	12,996	109	0.8%
43.2%	12,886	12,878	-8	-0.1%
44.4%	12,881	12,818	-63	-0.5%
45.7%	12,601	12,704	102	0.8%
46.9%	12,601	12,683	82	0.6%
48.1%	12,594	12,665	72	0.6%
49.4%	12,587	12,653	66	0.5%
50.6%	12,583	12,583	0	0.0%
51.9%	12,462	12,442	-20	-0.2%
53.1%	12,422	12,428	6	0.1%
54.3%	12,385	12,310	-75	-0.6%
55.6%	12,334	12,249	-85	-0.7%
56.8%	12,309	12,232	-76	-0.6%
58.0%	12,160	12,193	33	0.3%
59.3%	12,086	12,180	94	0.8%
60.5%	12,071	12,134	62	0.5%
61.7%	12,026	12,046	20	0.2%
63.0%	11,990	11,906	-84	-0.7%
64.2%	11,897	11,856	-41	-0.3%
65.4%	11,712	11,608	-104	-0.9%
66.7%	11,678	11,606	-72	-0.6%
67.9%	11,569	11,539	-30	-0.3%
69.1%	11,360	11,515	156	1.4%
70.4%	11,344	11,354	10	0.1%
71.6%	11,182	11,329	147	1.3%
72.8%	11,146	11,267	121	1.1%
74.1%	11,099	11,246	147	1.3%
75.3%	11,000	11,175	175	1.6%
76.5%	10,943	10,915	-28	-0.3%
77.8%	10,865	10,736	-129	-1.2%
79.0%	10,643	10,666	23	0.2%
80.2%	10,526	10,526	0	0.0%
81.5%	10,368	10,428	61	0.6%
82.7%	9,973	10,290	317	3.2%
84.0%	9,920	10,145	225	2.3%
85.2%	9,977	10,003	206	2.1%
86.4%	9,767	9,997	230	2.4%
87.7%	9,415	9,691	276	2.9%
88.9%	9,309	9,593	284	3.1%
90.1%	9,209	9,509	300	3.3%
91.4%	8,882	9,400	518	5.8%
92.6%	8,720	9,368	648	7.4%
93.8%	8,238	8,708	471	5.7%
95.1%	8,004	8,045	41	0.5%
96.3%	7,240	7,616	376	5.2%
97.5%	7,129	7,699	480	5.6%
98.8%	6,028	6,354	326	5.4%
100.0%	5,158	5,339	182	3.5%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,290	-90	-0.6%
1.2%	14,465	14,424	-41	-0.3%
2.5%	14,391	14,402	11	0.1%
3.7%	14,133	13,938	-195	-1.4%
4.9%	13,776	13,776	0	0.0%
6.2%	13,751	13,765	14	0.1%
7.4%	13,700	13,730	30	0.2%
8.6%	13,685	13,700	15	0.1%
9.9%	13,679	13,685	5	0.0%
11.1%	13,659	13,679	20	0.1%
12.3%	13,632	13,659	27	0.2%
13.6%	13,588	13,626	38	0.3%
14.8%	13,549	13,532	-17	-0.1%
16.0%	13,543	13,522	-21	-0.2%
17.3%	13,479	13,490	11	0.1%
18.5%	13,419	13,477	59	0.4%
19.8%	13,306	13,461	155	1.2%
21.0%	13,247	13,216	-31	-0.2%
22.2%	13,241	13,241	-104	-0.8%
23.5%	13,136	13,053	-83	-0.6%
24.7%	13,116	13,032	-83	-0.6%
25.9%	13,025	13,030	5	0.0%
27.2%	12,936	12,936	0	0.0%
28.4%	12,916	12,899	-17	-0.1%
29.6%	12,912	12,882	-30	-0.2%
30.9%	12,909	12,848	-61	-0.5%
32.1%	12,893	12,827	-66	-0.5%
33.3%	12,743	12,804	61	0.5%
34.6%	12,539	12,718	178	1.4%
35.8%	12,473	12,627	155	1.2%
37.0%	12,390	12,510	120	1.0%
38.3%	12,363	12,473	110	0.9%
39.5%	12,315	12,291	-24	-0.2%
40.7%	12,247	12,247	0	0.0%
42.0%	12,055	12,149	95	0.8%
43.2%	11,984	11,980	-4	-0.0%
44.4%	11,894	11,855	-40	-0.3%
45.7%	11,835	11,808	-27	-0.2%
46.9%	11,795	11,715	-80	-0.7%
48.1%	11,732	11,653	-78	-0.7%
49.4%	11,546	11,465	-80	-0.7%
50.6%	11,528	11,407	-121	-1.0%
51.9%	11,435	11,387	-48	-0.4%
53.1%	11,410	11,383	-27	-0.2%
54.3%	11,394	11,364	-30	-0.3%
55.6%	11,366	11,335	-31	-0.3%
56.8%	11,371	11,250	-120	-1.1%
58.0%	11,363	11,236	-127	-1.1%
59.3%	11,315	11,193	-122	-1.1%
60.5%	11,220	11,193	-27	-0.2%
61.7%	11,151	11,176	25	0.2%
63.0%	11,113	11,172	59	0.5%
64.2%	10,955	11,061	107	1.0%
65.4%	10,908	11,022	114	1.0%
66.7%	10,720	10,886	166	1.5%
67.9%	10,705	10,886	181	1.7%
69.1%	10,666	10,729	63	0.6%
70.4%	10,328	10,602	274	2.6%
71.6%	10,243	10,473	231	2.3%
72.8%	10,148	10,255	106	1.0%
74.1%	10,100	10,217	118	1.2%
75.3%	10,022	9,989	-33	-0.3%
76.5%	9,955	9,737	-218	-2.2%
77.8%	9,737	9,448	-290	-3.0%
79.0%	9,514	9,406	-108	-1.1%
80.2%	9,406	9,292	-114	-1.2%
81.5%	9,066	9,261	195	2.2%
82.7%	8,970	9,170	199	2.2%
84.0%	8,833	9,012	178	2.0%
85.2%	8,716	9,005	289	3.3%
86.4%	8,709	8,888	179	2.1%
87.7%	8,594	8,732	138	1.6%
88.9%	8,483	8,703	220	2.6%
90.1%	8,085	8,685	600	7.4%
91.4%	7,751	8,637	885	11.4%
92.6%	7,685	8,263	579	7.5%
93.8%	7,504	7,910	407	5.4%
95.1%	7,355	7,396	42	0.6%
96.3%	6,431	6,804	373	5.8%
97.5%	6,445	6,845	399	6.2%
98.8%	5,630	5,889	260	4.6%
100.0%	3,120	3,332	212	6.8%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,887	-13	-0.1%
1.2%	14,345	14,345	87	0.6%
2.5%	13,659	13,604	-55	-0.4%
3.7%	13,592	13,265	-327	-2.4%
4.9%	13,305	13,166	-138	-1.0%
6.2%	13,080	13,155	76	0.6%
7.4%	13,046	13,101	55	0.4%
8.6%	13,031	13,084	53	0.4%
9.9%	13,022	13,046	24	0.2%
11.1%	13,009	13,031	22	0.2%
12.3%	12,987	13,021	34	0.3%
13.6%	12,935	12,990	55	0.4%
14.8%	12,896	12,935	39	0.3%
16.0%	12,864	12,822	-42	-0.3%
17.3%	12,863	12,775	-87	-0.7%
18.5%	12,744	12,715	-28	-0.2%
19.8%	12,628	12,680	52	0.4%
21.0%	12,560	12,347	-212	-1.7%
22.2%	12,557	12,324	-233	-1.9%
23.5%	12,455	12,282	-173	-1.4%
24.7%	12,421	12,155	-266	-2.1%
25.9%	12,228	12,030	-198	-1.6%
27.2%	12,170	12,131	-39	-0.3%
28.4%	12,117	11,965	-152	-1.3%
29.6%	12,074	11,964	-111	-0.9%
30.9%	12,031	11,915	-116	-1.0%
32.1%	11,815	11,894	80	0.7%
33.3%	11,765	11,800	35	0.3%
34.6%	11,713	11,693	-20	-0.2%
35.8%	11,612	11,498	-114	-1.0%
37.0%	11,544	11,448	-96	-0.8%
38.3%	11,532	11,285	-246	-2.1%
39.5%	11,522	11,266	-256	-2.2%
40.7%	11,123	11,214	91	0.8%
42.0%	11,058	11,057	-1	-0.0%
43.2%	11,034	10,958	-76	-0.7%
44.4%	11,031	10,831	-199	-1.8%
45.7%	10,959	10,762	-197	-1.8%
46.9%	10,792	10,759	-33	-0.3%
48.1%	10,790	10,693	-97	-0.9%
49.4%	10,688	10,640	-49	-0.5%
50.6%	10,617	10,631	14	0.1%
51.9%	10,523	10,497	-26	-0.2%
53.1%	10,454	10,423	-32	-0.3%
54.3%	10,448	10,418	-30	-0.3%
55.6%	10,425	10,295	-130	-1.2%
56.8%	10,422	10,262	-140	-1.3%
58.0%	10,401	10,233	-167	-1.6%
59.3%	10,357	10,219	-138	-1.3%
60.5%	10,320	10,210	-111	-1.1%
61.7%	10,194	10,202	8	0.1%
63.0%	10,026	10,192	166	1.7%
64.2%	10,008	10,121	113	1.1%
65.4%	9,891	10,047	156	1.6%
66.7%	9,848	9,997	149	1.5%
67.9%	9,808	9,791	-17	-0.2%
69.1%	9,725	9,668	-57	-0.6%
70.4%	9,691	9,495	-196	-2.0%
71.6%	9,426	9,267	-159	-1.7%
72.8%	9,364	9,035	-329	-3.5%
74.1%	8,840	8,976	135	1.5%
75.3%	8,812	8,785	-27	-0.3%
76.5%	8,686	8,638	-48	-0.6%
77.8%	8,623	8,623	0	0.0%
79.0%	8,394	8,588	194	2.3%
80.2%	8,259	8,395	136	1.6%
81.5%	8,060	8,225	165	2.0%
82.7%	8,019	8,127	108	1.3%
84.0%	7,929	8,111	182	2.3%
85.2%	7,813	7,856	43	

Figure SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

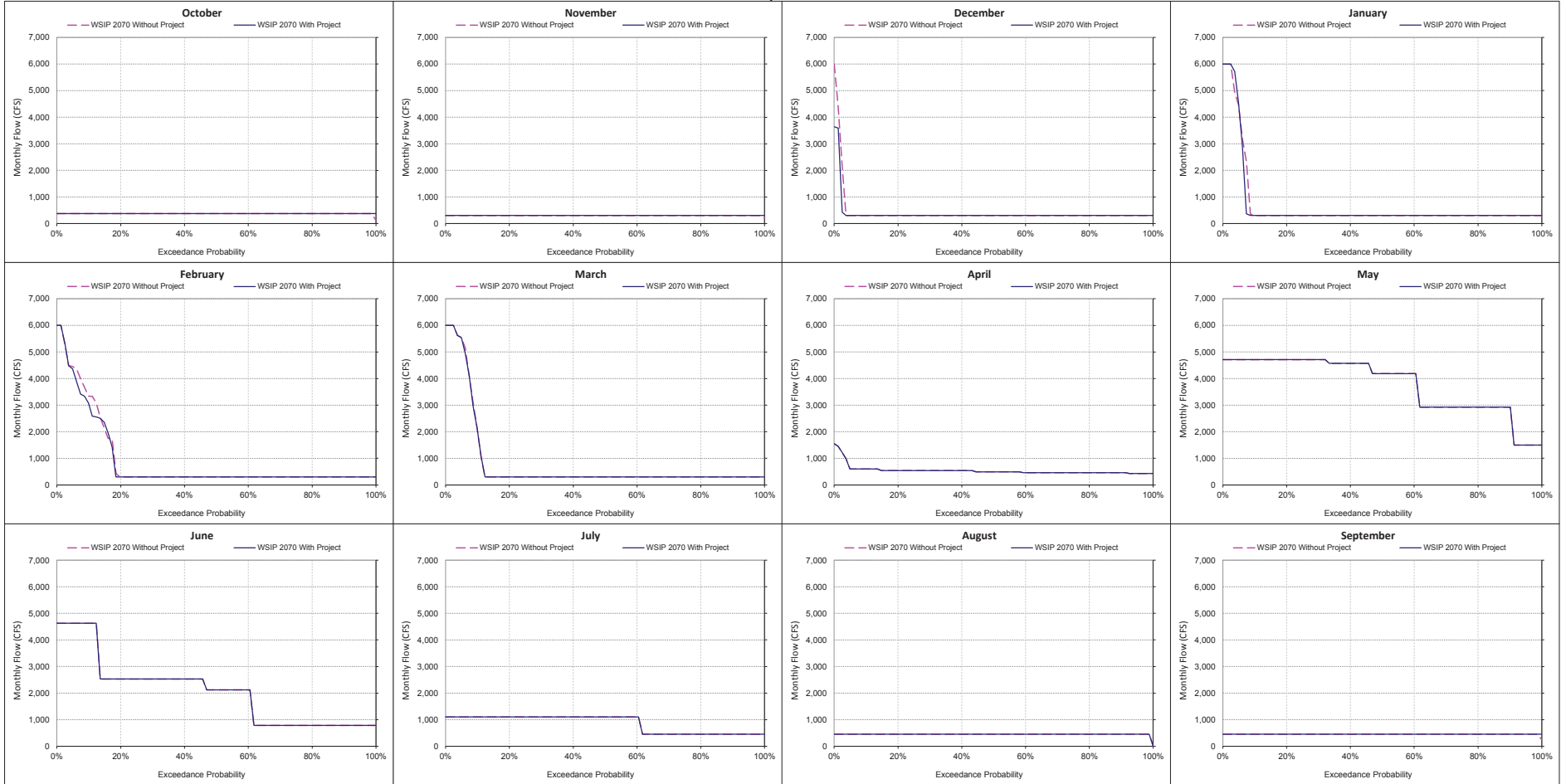


Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	373	373	0	0.0%	
1.2%	373	373	0	0.0%	
2.5%	373	373	0	0.0%	
3.7%	373	373	0	0.0%	
4.9%	373	373	0	0.0%	
6.2%	373	373	0	0.0%	
7.4%	373	373	0	0.0%	
8.6%	373	373	0	0.0%	
9.9%	373	373	0	0.0%	
11.1%	373	373	0	0.0%	
12.3%	373	373	0	0.0%	
13.6%	373	373	0	0.0%	
14.8%	373	373	0	0.0%	
16.0%	373	373	0	0.0%	
17.3%	373	373	0	0.0%	
18.5%	373	373	0	0.0%	
19.8%	373	373	0	0.0%	
21.0%	373	373	0	0.0%	
22.2%	373	373	0	0.0%	
23.5%	373	373	0	0.0%	
24.7%	373	373	0	0.0%	
25.9%	373	373	0	0.0%	
27.2%	373	373	0	0.0%	
28.4%	373	373	0	0.0%	
29.6%	373	373	0	0.0%	
30.9%	373	373	0	0.0%	
32.1%	373	373	0	0.0%	
33.3%	373	373	0	0.0%	
34.6%	373	373	0	0.0%	
35.8%	373	373	0	0.0%	
37.0%	373	373	0	0.0%	
38.3%	373	373	0	0.0%	
39.5%	373	373	0	0.0%	
40.7%	373	373	0	0.0%	
42.0%	373	373	0	0.0%	
43.2%	373	373	0	0.0%	
44.4%	373	373	0	0.0%	
45.7%	373	373	0	0.0%	
46.9%	373	373	0	0.0%	
48.1%	373	373	0	0.0%	
49.4%	373	373	0	0.0%	
50.6%	373	373	0	0.0%	
51.9%	373	373	0	0.0%	
53.1%	373	373	0	0.0%	
54.3%	373	373	0	0.0%	
55.6%	373	373	0	0.0%	
56.8%	373	373	0	0.0%	
58.0%	373	373	0	0.0%	
59.3%	373	373	0	0.0%	
60.5%	373	373	0	0.0%	
61.7%	373	373	0	0.0%	
63.0%	373	373	0	0.0%	
64.2%	373	373	0	0.0%	
65.4%	373	373	0	0.0%	
66.7%	373	373	0	0.0%	
67.9%	373	373	0	0.0%	
69.1%	373	373	0	0.0%	
70.4%	373	373	0	0.0%	
71.6%	373	373	0	0.0%	
72.8%	373	373	0	0.0%	
74.1%	373	373	0	0.0%	
75.3%	373	373	0	0.0%	
76.5%	373	373	0	0.0%	
77.8%	373	373	0	0.0%	
79.0%	373	373	0	0.0%	
80.2%	373	373	0	0.0%	
81.5%	373	373	0	0.0%	
82.7%	373	373	0	0.0%	
84.0%	373	373	0	0.0%	
85.2%	373	373	0	0.0%	
86.4%	373	373	0	0.0%	
87.7%	373	373	0	0.0%	
88.9%	373	373	0	0.0%	
90.1%	373	373	0	0.0%	
91.4%	373	373	0	0.0%	
92.6%	373	373	0	0.0%	
93.8%	373	373	0	0.0%	
95.1%	373	373	0	0.0%	
96.3%	373	373	0	0.0%	
97.5%	373	373	0	0.0%	
98.8%	373	373	0	0.0%	
100.0%	107	373	266	249.6%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	300	300	0	0.0%	
1.2%	300	300	0	0.0%	
2.5%	300	300	0	0.0%	
3.7%	300	300	0	0.0%	
4.9%	300	300	0	0.0%	
6.2%	300	300	0	0.0%	
7.4%	300	300	0	0.0%	
8.6%	300	300	0	0.0%	
9.9%	300	300	0	0.0%	
11.1%	300	300	0	0.0%	
12.3%	300	300	0	0.0%	
13.6%	300	300	0	0.0%	
14.8%	300	300	0	0.0%	
16.0%	300	300	0	0.0%	
17.3%	300	300	0	0.0%	
18.5%	300	300	0	0.0%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	192	300	108	56.4%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,000	3,641	-2,359	-39.3%	
1.2%	4,401	3,594	-807	-18.3%	
2.5%	2,200	429	-1,771	-80.5%	
3.7%	300	300	0	0.0%	
4.9%	300	300	0	0.0%	
6.2%	300	300	0	0.0%	
7.4%	300	300	0	0.0%	
8.6%	300	300	0	0.0%	
9.9%	300	300	0	0.0%	
11.1%	300	300	0	0.0%	
12.3%	300	300	0	0.0%	
13.6%	300	300	0	0.0%	
14.8%	300	300	0	0.0%	
16.0%	300	300	0	0.0%	
17.3%	300	300	0	0.0%	
18.5%	300	300	0	0.0%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

January					
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Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,000	6,000	0	0.0%	
1.2%	6,000	6,000	0	0.0%	
2.5%	5,514	5,320	6	0.1%	
3.7%	4,489	4,489	0	0.0%	
4.9%	4,451	4,360	-91	-2.1%	
6.2%	4,360	3,886	-474	-10.9%	
7.4%	4,004	3,419	-585	-14.6%	
8.6%	3,676	3,338	-338	-9.2%	
9.9%	3,338	3,072	-266	-8.0%	
11.1%	3,328	2,589	-739	-22.2%	
12.3%	3,072	2,558	-513	-16.7%	
13.6%	2,534	2,510	-24	-1.0%	
14.8%	2,145	2,355	210	9.8%	
16.0%	1,745	1,948	202	11.6%	
17.3%	1,742	1,417	-325	-18.7%	
18.5%	430	300	-130	-30.3%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,000	6,000	0	0.0%	
1.2%	6,000	6,000	0	0.0%	
2.5%	6,000	6,000	0	0.0%	
3.7%	5,626	5,626	0	0.0%	
4.9%	5,539	5,539	0	0.0%	
6.2%	5,146	4,922	-224	-4.3%	
7.4%	4,083	4,083	0	0.0%	
8.6%	3,079	2,569	-510	-16.6%	
9.9%	2,152	2,152	0	0.0%	
11.1%	1,039	1,084	45	4.3%	
12.3%	300	300	0	0.0%	
13.6%	300	300	0	0.0%	
14.8%	300	300	0	0.0%	
16.0%	300	300	0	0.0%	
17.3%	300	300	0	0.0%	
18.5%	300	300	0	0.0%	
19.8%	300	300	0	0.0%	
21.0%	300	300	0	0.0%	
22.2%	300	300	0	0.0%	
23.5%	300	300	0	0.0%	
24.7%	300	300	0	0.0%	
25.9%	300	300	0	0.0%	
27.2%	300	300	0	0.0%	
28.4%	300	300	0	0.0%	
29.6%	300	300	0	0.0%	
30.9%	300	300	0	0.0%	
32.1%	300	300	0	0.0%	
33.3%	300	300	0	0.0%	
34.6%	300	300	0	0.0%	
35.8%	300	300	0	0.0%	
37.0%	300	300	0	0.0%	
38.3%	300	300	0	0.0%	
39.5%	300	300	0	0.0%	
40.7%	300	300	0	0.0%	
42.0%	300	300	0	0.0%	
43.2%	300	300	0	0.0%	
44.4%	300	300	0	0.0%	
45.7%	300	300	0	0.0%	
46.9%	300	300	0	0.0%	
48.1%	300	300	0	0.0%	
49.4%	300	300	0	0.0%	
50.6%	300	300	0	0.0%	
51.9%	300	300	0	0.0%	
53.1%	300	300	0	0.0%	
54.3%	300	300	0	0.0%	
55.6%	300	300	0	0.0%	
56.8%	300	300	0	0.0%	
58.0%	300	300	0	0.0%	
59.3%	300	300	0	0.0%	
60.5%	300	300	0	0.0%	
61.7%	300	300	0	0.0%	
63.0%	300	300	0	0.0%	
64.2%	300	300	0	0.0%	
65.4%	300	300	0	0.0%	
66.7%	300	300	0	0.0%	
67.9%	300	300	0	0.0%	
69.1%	300	300	0	0.0%	
70.4%	300	300	0	0.0%	
71.6%	300	300	0	0.0%	
72.8%	300	300	0	0.0%	
74.1%	300	300	0	0.0%	
75.3%	300	300	0	0.0%	
76.5%	300	300	0	0.0%	
77.8%	300	300	0	0.0%	
79.0%	300	300	0	0.0%	
80.2%	300	300	0	0.0%	
81.5%	300	300	0	0.0%	
82.7%	300	300	0	0.0%	
84.0%	300	300	0	0.0%	
85.2%	300	300	0	0.0%	
86.4%	300	300	0	0.0%	
87.7%	300	300	0	0.0%	
88.9%	300	300	0	0.0%	
90.1%	300	300	0	0.0%	
91.4%	300	300	0	0.0%	
92.6%	300	300	0	0.0%	
93.8%	300	300	0	0.0%	
95.1%	300	300	0	0.0%	
96.3%	300	300	0	0.0%	
97.5%	300	300	0	0.0%	
98.8%	300	300	0	0.0%	
100.0%	300	300	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,553	1,553	0	0.0%	
1.2%	1,450	1,450	0	0.0%	
2.5%	1,217	1,217	0	0.0%	
3.7%	991	991	0	0.0%	
4.9%	600	600	0	0.0%	
6.2%	600	600	0	0.0%	
7.4%	600	600	0	0.0%	
8.6%	600	600	0	0.0%	
9.9%	600	600	0	0.0%	
11.1%	600	600	0	0.0%	
12.3%	600	600	0	0.0%	
13.6%	600	600	0	0.0%	
14.8%	540	540	0	0.0%	
16.0%	540	540	0	0.0%	
17.3%	540	540	0	0.0%	
18.5%	540	540	0	0.0%	
19.8%	540	540	0	0.0%	
21.0%	540	540	0	0.0%	
22.2%	540	540	0	0.0%	
23.5%	540	540	0	0.0%	
24.7%	540	540	0	0.0%	
25.9%	540	540	0	0.0%	
27.2%	540	540	0	0.0%	
28.4%	540	540	0	0.0%	
29.6%	540	540	0	0.0%	
30.9%	540	540	0	0.0%	
32.1%	540	540	0	0.0%	
33.3%	540	540	0	0.0%	
34.6%	540	540	0	0.0%	
35.8%	540	540	0	0.0%	
37.0%	540	540	0	0.0%	
38.3%	540	540	0	0.0%	
39.5%	540	540	0	0.0%	
40.7%	540	540	0	0.0%	
42.0%	540	540	0	0.0%	
43.2%	540	540	0	0.0%	
44.4%	493	493	0	0.0%	
45.7%	493	493	0	0.0%	
46.9%	493	493	0	0.0%	
48.1%	493	493	0	0.0%	
49.4%	493	493	0	0.0%	
50.6%	493	493	0	0.0%	
51.9%	493	493	0	0.0%	
53.1%	493	493	0	0.0%	
54.3%	493	493	0	0.0%	
55.6%	493	493	0	0.0%	
56.8%	493	493	0	0.0%	
58.0%	493	493	0	0.0%	
59.3%	460	460	0	0.0%	
60.5%	460	460	0	0.0%	
61.7%	460	460	0	0.0%	
63.0%	460	460	0	0.0%	
64.2%	460	460	0	0.0%	
65.4%	460	460	0	0.0%	
66.7%	460	460	0	0.0%	
67.9%	460	460	0	0.0%	
69.1%	460	460	0	0.0%	
70.4%	460	460	0	0.0%	
71.6%	460	460	0	0.0%	
72.8%	460	460	0	0.0%	
74.1%	460	460	0	0.0%	
75.3%	460	460	0	0.0%	
76.5%	460	460	0	0.0%	
77.8%	460	460	0	0.0%	
79.0%	460	460	0	0.0%	
80.2%	460	460	0	0.0%	
81.5%	460	460	0	0.0%	
82.7%	460	460	0	0.0%	
84.0%	460	460	0	0.0%	
85.2%	460	460	0	0.0%	
86.4%	460	460	0	0.0%	
87.7%	460	460	0	0.0%	
88.9%	460	460	0	0.0%	
90.1%	460	460	0	0.0%	
91.4%	460	460	0	0.0%	
92.6%	427	427	0	0.0%	
93.8%	427	427	0	0.0%	
95.1%	427	427	0	0.0%	
96.3%	427	427	0	0.0%	
97.5%	427	427	0	0.0%	
98.8%	427	427	0	0	

Table SW-04-b  
Trinity River below Lewiston Reservoir, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,626	4,626	0	0.0%	
1.2%	4,626	4,626	0	0.0%	
2.5%	4,626	4,626	0	0.0%	
3.7%	4,626	4,626	0	0.0%	
4.9%	4,626	4,626	0	0.0%	
6.2%	4,626	4,626	0	0.0%	
7.4%	4,626	4,626	0	0.0%	
8.6%	4,626	4,626	0	0.0%	
9.9%	4,626	4,626	0	0.0%	
11.1%	4,626	4,626	0	0.0%	
12.3%	4,626	4,626	0	0.0%	
13.6%	2,526	2,526	0	0.0%	
14.8%	2,526	2,526	0	0.0%	
16.0%	2,526	2,526	0	0.0%	
17.3%	2,526	2,526	0	0.0%	
18.5%	2,526	2,526	0	0.0%	
19.8%	2,526	2,526	0	0.0%	
21.0%	2,526	2,526	0	0.0%	
22.2%	2,526	2,526	0	0.0%	
23.5%	2,526	2,526	0	0.0%	
24.7%	2,526	2,526	0	0.0%	
25.9%	2,526	2,526	0	0.0%	
27.2%	2,526	2,526	0	0.0%	
28.4%	2,526	2,526	0	0.0%	
29.6%	2,526	2,526	0	0.0%	
30.9%	2,526	2,526	0	0.0%	
32.1%	2,526	2,526	0	0.0%	
33.3%	2,526	2,526	0	0.0%	
34.6%	2,526	2,526	0	0.0%	
35.8%	2,526	2,526	0	0.0%	
37.0%	2,526	2,526	0	0.0%	
38.3%	2,526	2,526	0	0.0%	
39.5%	2,526	2,526	0	0.0%	
40.7%	2,526	2,526	0	0.0%	
42.0%	2,526	2,526	0	0.0%	
43.2%	2,526	2,526	0	0.0%	
44.4%	2,526	2,526	0	0.0%	
45.7%	2,526	2,526	0	0.0%	
46.9%	2,120	2,120	0	0.0%	
48.1%	2,120	2,120	0	0.0%	
49.4%	2,120	2,120	0	0.0%	
50.6%	2,120	2,120	0	0.0%	
51.9%	2,120	2,120	0	0.0%	
53.1%	2,120	2,120	0	0.0%	
54.3%	2,120	2,120	0	0.0%	
55.6%	2,120	2,120	0	0.0%	
56.8%	2,120	2,120	0	0.0%	
58.0%	2,120	2,120	0	0.0%	
59.3%	2,120	2,120	0	0.0%	
60.5%	2,120	2,120	0	0.0%	
61.7%	783	783	0	0.0%	
63.0%	783	783	0	0.0%	
64.2%	783	783	0	0.0%	
65.4%	783	783	0	0.0%	
66.7%	783	783	0	0.0%	
67.9%	783	783	0	0.0%	
69.1%	783	783	0	0.0%	
70.4%	783	783	0	0.0%	
71.6%	783	783	0	0.0%	
72.8%	783	783	0	0.0%	
74.1%	783	783	0	0.0%	
75.3%	783	783	0	0.0%	
76.5%	783	783	0	0.0%	
77.8%	783	783	0	0.0%	
79.0%	783	783	0	0.0%	
80.2%	783	783	0	0.0%	
81.5%	783	783	0	0.0%	
82.7%	783	783	0	0.0%	
84.0%	783	783	0	0.0%	
85.2%	783	783	0	0.0%	
86.4%	783	783	0	0.0%	
87.7%	783	783	0	0.0%	
88.9%	783	783	0	0.0%	
90.1%	783	783	0	0.0%	
91.4%	783	783	0	0.0%	
92.6%	783	783	0	0.0%	
93.8%	783	783	0	0.0%	
95.1%	783	783	0	0.0%	
96.3%	783	783	0	0.0%	
97.5%	783	783	0	0.0%	
98.8%	783	783	0	0.0%	
100.0%	783	783	0	0.0%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	1,102	1,102	0	0.0%	
1.2%	1,102	1,102	0	0.0%	
2.5%	1,102	1,102	0	0.0%	
3.7%	1,102	1,102	0	0.0%	
4.9%	1,102	1,102	0	0.0%	
6.2%	1,102	1,102	0	0.0%	
7.4%	1,102	1,102	0	0.0%	
8.6%	1,102	1,102	0	0.0%	
9.9%	1,102	1,102	0	0.0%	
11.1%	1,102	1,102	0	0.0%	
12.3%	1,102	1,102	0	0.0%	
13.6%	1,102	1,102	0	0.0%	
14.8%	1,102	1,102	0	0.0%	
16.0%	1,102	1,102	0	0.0%	
17.3%	1,102	1,102	0	0.0%	
18.5%	1,102	1,102	0	0.0%	
19.8%	1,102	1,102	0	0.0%	
21.0%	1,102	1,102	0	0.0%	
22.2%	1,102	1,102	0	0.0%	
23.5%	1,102	1,102	0	0.0%	
24.7%	1,102	1,102	0	0.0%	
25.9%	1,102	1,102	0	0.0%	
27.2%	1,102	1,102	0	0.0%	
28.4%	1,102	1,102	0	0.0%	
29.6%	1,102	1,102	0	0.0%	
30.9%	1,102	1,102	0	0.0%	
32.1%	1,102	1,102	0	0.0%	
33.3%	1,102	1,102	0	0.0%	
34.6%	1,102	1,102	0	0.0%	
35.8%	1,102	1,102	0	0.0%	
37.0%	1,102	1,102	0	0.0%	
38.3%	1,102	1,102	0	0.0%	
39.5%	1,102	1,102	0	0.0%	
40.7%	1,102	1,102	0	0.0%	
42.0%	1,102	1,102	0	0.0%	
43.2%	1,102	1,102	0	0.0%	
44.4%	1,102	1,102	0	0.0%	
45.7%	1,102	1,102	0	0.0%	
46.9%	1,102	1,102	0	0.0%	
48.1%	1,102	1,102	0	0.0%	
49.4%	1,102	1,102	0	0.0%	
50.6%	1,102	1,102	0	0.0%	
51.9%	1,102	1,102	0	0.0%	
53.1%	1,102	1,102	0	0.0%	
54.3%	1,102	1,102	0	0.0%	
55.6%	1,102	1,102	0	0.0%	
56.8%	1,102	1,102	0	0.0%	
58.0%	1,102	1,102	0	0.0%	
59.3%	1,102	1,102	0	0.0%	
60.5%	1,102	1,102	0	0.0%	
61.7%	450	450	0	0.0%	
63.0%	450	450	0	0.0%	
64.2%	450	450	0	0.0%	
65.4%	450	450	0	0.0%	
66.7%	450	450	0	0.0%	
67.9%	450	450	0	0.0%	
69.1%	450	450	0	0.0%	
70.4%	450	450	0	0.0%	
71.6%	450	450	0	0.0%	
72.8%	450	450	0	0.0%	
74.1%	450	450	0	0.0%	
75.3%	450	450	0	0.0%	
76.5%	450	450	0	0.0%	
77.8%	450	450	0	0.0%	
79.0%	450	450	0	0.0%	
80.2%	450	450	0	0.0%	
81.5%	450	450	0	0.0%	
82.7%	450	450	0	0.0%	
84.0%	450	450	0	0.0%	
85.2%	450	450	0	0.0%	
86.4%	450	450	0	0.0%	
87.7%	450	450	0	0.0%	
88.9%	450	450	0	0.0%	
90.1%	450	450	0	0.0%	
91.4%	450	450	0	0.0%	
92.6%	450	450	0	0.0%	
93.8%	450	450	0	0.0%	
95.1%	450	450	0	0.0%	
96.3%	450	450	0	0.0%	
97.5%	450	450	0	0.0%	
98.8%	450	450	0	0.0%	
100.0%	450	450	0	0.0%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	450	450	0	0.0%	
1.2%	450	450	0	0.0%	
2.5%	450	450	0	0.0%	
3.7%	450	450	0	0.0%	
4.9%	450	450	0	0.0%	
6.2%	450	450	0	0.0%	
7.4%	450	450	0	0.0%	
8.6%	450	450	0	0.0%	
9.9%	450	450	0	0.0%	
11.1%	450	450	0	0.0%	
12.3%	450	450	0	0.0%	
13.6%	450	450	0	0.0%	
14.8%	450	450	0	0.0%	
16.0%	450	450	0	0.0%	
17.3%	450	450	0	0.0%	
18.5%	450	450	0	0.0%	
19.8%	450	450	0	0.0%	
21.0%	450	450	0	0.0%	
22.2%	450	450	0	0.0%	
23.5%	450	450	0	0.0%	
24.7%	450	450	0	0.0%	
25.9%	450	450	0	0.0%	
27.2%	450	450	0	0.0%	
28.4%	450	450	0	0.0%	
29.6%	450	450	0	0.0%	
30.9%	450	450	0	0.0%	
32.1%	450	450	0	0.0%	
33.3%	450	450	0	0.0%	
34.6%	450	450	0	0.0%	
35.8%	450	450	0	0.0%	
37.0%	450	450	0	0.0%	
38.3%	450	450	0	0.0%	
39.5%	450	450	0	0.0%	
40.7%	450	450	0	0.0%	
42.0%	450	450	0	0.0%	
43.2%	450	450	0	0.0%	
44.4%	450	450	0	0.0%	
45.7%	450	450	0	0.0%	
46.9%	450	450	0	0.0%	
48.1%	450	450	0	0.0%	
49.4%	450	450	0	0.0%	
50.6%	450	450	0	0.0%	
51.9%	450	450	0	0.0%	
53.1%	450	450	0	0.0%	
54.3%	450	450	0	0.0%	
55.6%	450	450	0	0.0%	
56.8%	450	450	0	0.0%	
58.0%	450	450	0	0.0%	
59.3%	450	450	0	0.0%	
60.5%	450	450	0	0.0%	
61.7%	450	450	0	0.0%	
63.0%	450	450	0	0.0%	
64.2%	450	450	0	0.0%	
65.4%	450	450	0	0.0%	
66.7%	450	450	0	0.0%	
67.9%	450	450	0	0.0%	
69.1%	450	450	0	0.0%	
70.4%	450	450	0	0.0%	
71.6%	450	450	0	0.0%	
72.8%	450	450	0	0.0%	
74.1%	450	450	0	0.0%	
75.3%	450	450	0	0.0%	
76.5%	450	450	0	0.0%	
77.8%	450	450	0	0.0%	
79.0%	450	450	0	0.0%	
80.2%	450	450	0	0.0%	
81.5%	450	450	0	0.0%	
82.7%	450	450	0	0.0%	
84.0%	450	450	0	0.0%	
85.2%	450	450	0	0.0%	
86.4%	450	450	0	0.0%	
87.7%	450	450	0	0.0%	
88.9%	450	450	0	0.0%	
90.1%	450	450	0	0.0%	
91.4%	450	450	0	0.0%	
92.6%	450	45			

Figure SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

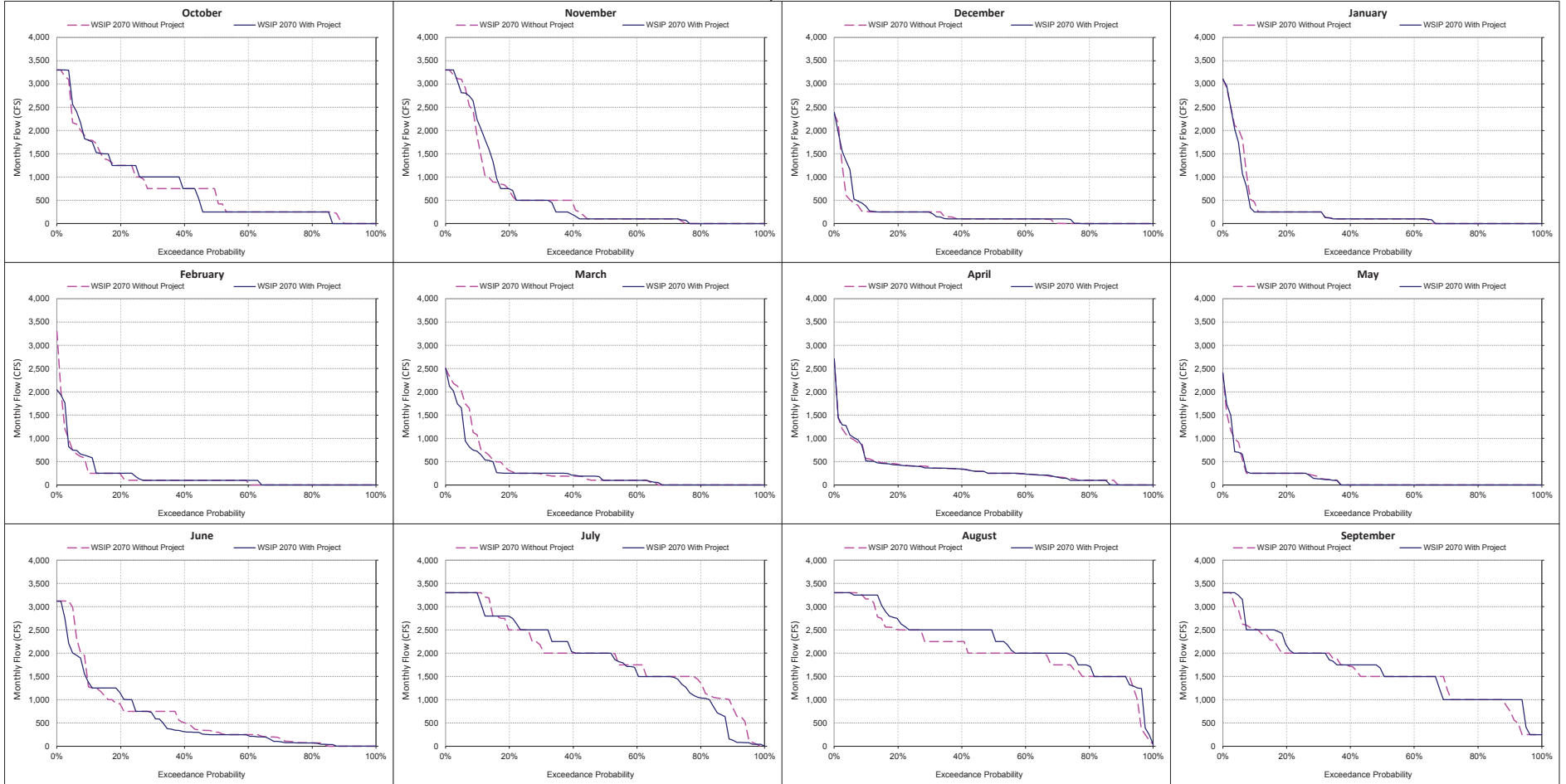


Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,163	3,300	137	4.3%
3.7%	3,096	3,294	197	6.4%
4.9%	2,168	2,557	390	18.0%
6.2%	2,138	2,408	270	12.6%
7.4%	2,010	2,168	159	7.9%
8.6%	1,899	1,824	-75	-3.9%
9.9%	1,791	1,789	-2	-0.1%
11.1%	1,788	1,754	-34	-1.9%
12.3%	1,717	1,525	-192	-11.2%
13.6%	1,518	1,507	-11	-0.7%
14.8%	1,393	1,500	107	7.7%
16.0%	1,368	1,500	132	9.7%
17.3%	1,301	1,250	-51	-3.9%
18.5%	1,250	1,250	0	0.0%
19.8%	1,250	1,250	0	0.0%
21.0%	1,250	1,250	0	0.0%
22.2%	1,250	1,250	0	0.0%
23.5%	1,250	1,250	0	0.0%
24.7%	1,000	1,250	250	25.0%
25.9%	1,000	1,000	0	0.0%
27.2%	955	1,000	45	4.7%
28.4%	750	1,000	250	33.3%
29.6%	750	1,000	250	33.3%
30.9%	750	1,000	250	33.3%
32.1%	750	1,000	250	33.3%
33.3%	750	1,000	250	33.3%
34.6%	750	1,000	250	33.3%
35.8%	750	1,000	250	33.3%
37.0%	750	1,000	250	33.3%
38.3%	750	1,000	250	33.3%
39.5%	750	750	0	0.0%
40.7%	750	750	0	0.0%
42.0%	750	750	0	0.0%
43.2%	750	750	0	0.0%
44.4%	750	536	-214	-28.5%
45.7%	750	250	-500	-66.7%
46.9%	750	250	-500	-66.7%
48.1%	750	250	-500	-66.7%
49.4%	750	250	-500	-66.7%
50.6%	421	250	-171	-40.6%
51.9%	420	250	-170	-40.5%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	250	0	0.0%
59.3%	250	250	0	0.0%
60.5%	250	250	0	0.0%
61.7%	250	250	0	0.0%
63.0%	250	250	0	0.0%
64.2%	250	250	0	0.0%
65.4%	250	250	0	0.0%
66.7%	250	250	0	0.0%
67.9%	250	250	0	0.0%
69.1%	250	250	0	0.0%
70.4%	250	250	0	0.0%
71.6%	250	250	0	0.0%
72.8%	250	250	0	0.0%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	0	-250	-100.0%
87.7%	215	0	-215	-100.0%
88.9%	54	0	-54	-100.0%
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%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,189	3,300	111	3.5%
3.7%	3,116	3,065	-51	-1.6%
4.9%	3,103	2,813	-290	-9.3%
6.2%	2,918	2,803	-115	-4.0%
7.4%	2,535	2,741	206	8.1%
8.6%	2,424	2,637	214	8.8%
9.9%	1,877	2,237	359	19.1%
11.1%	1,447	2,028	581	40.1%
12.3%	1,028	1,805	777	75.6%
13.6%	995	1,594	599	60.2%
14.8%	894	1,332	437	48.9%
16.0%	884	969	85	9.6%
17.3%	849	750	-99	-11.7%
18.5%	828	750	-78	-9.4%
19.8%	744	750	6	0.9%
21.0%	587	708	121	20.6%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	448	-52	-10.5%
34.6%	500	250	-250	-50.0%
35.8%	500	250	-250	-50.0%
37.0%	500	250	-250	-50.0%
38.3%	500	250	-250	-50.0%
39.5%	500	200	-300	-60.0%
40.7%	283	157	-126	-44.4%
42.0%	250	100	-150	-60.0%
43.2%	176	100	-76	-43.2%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	48	76	28	58.1%
75.3%	0	71	71	171.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,363	2,397	34	1.5%
1.2%	2,158	1,959	-199	-9.2%
2.5%	1,272	1,557	285	22.4%
3.7%	605	1,358	753	124.5%
4.9%	513	1,164	651	126.8%
6.2%	437	527	90	20.6%
7.4%	393	484	91	23.0%
8.6%	268	442	174	64.9%
9.9%	265	372	107	40.4%
11.1%	250	268	18	7.4%
12.3%	250	262	12	4.6%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	206	-44	-17.5%
32.1%	250	144	-106	-42.6%
33.3%	250	140	-110	-43.8%
34.6%	150	103	-47	-31.2%
35.8%	144	101	-42	-29.3%
37.0%	100	101	-39	-27.8%
38.3%	100	100	-8	-7.2%
39.5%	103	100	-3	-2.8%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	91	100	9	9.8%
67.9%	90	100	10	11.0%
69.1%	3	100	97	3233.3%
70.4%	2	100	98	4900.0%
71.6%	0	100	100	100.0%
72.8%	0	100	100	100.0%
74.1%	0	91	91	100.0%
75.3%	0	2	2	2.0%
76.5%	0	2	2	2.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

January				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,108	3,108	0	0.0%
1.2%	2,920	2,961	41	1.4%
2.5%	2,502	2,502	0	0.0%
3.7%	2,111	2,029	-81	-3.9%
4.9%	2,029	1,748	-281	-13.8%
6.2%	1,808	1,071	-736	-40.7%
7.4%	1,071	804	-267	-24.9%
8.6%	520	337	-183	-35.2%
9.9%	465	250	-215	-46.2%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%



Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	2,046	-1,254	-38.0%
1.2%	2,046	1,936	-110	-5.4%
2.5%	1,216	1,761	544	44.7%
3.7%	985	822	-163	-16.5%
4.9%	742	749	8	1.1%
6.2%	664	742	77	11.6%
7.4%	612	664	52	8.5%
8.6%	562	638	77	13.7%
9.9%	250	612	362	145.0%
11.1%	250	582	332	132.7%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	128	250	122	94.7%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	178	78	78.3%
25.9%	100	128	28	28.4%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	0	100	100	
61.7%	0	100	100	
63.0%	0	100	100	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,505	2,505	0	0.0%
1.2%	2,329	2,124	-205	-8.8%
2.5%	2,181	2,019	-161	-7.4%
3.7%	2,124	1,742	-382	-18.0%
4.9%	2,019	1,653	-367	-18.2%
6.2%	1,742	943	-799	-45.9%
7.4%	1,653	817	-836	-50.6%
8.6%	1,127	749	-379	-33.6%
9.9%	1,078	725	-353	-32.8%
11.1%	749	643	-105	-14.1%
12.3%	707	537	-170	-24.0%
13.6%	643	526	-118	-18.3%
14.8%	537	495	-43	-8.0%
16.0%	495	264	-230	-46.5%
17.3%	494	259	-234	-47.5%
18.5%	392	250	-142	-36.3%
19.8%	314	250	-64	-20.5%
21.0%	281	250	-31	-11.1%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	243	250	7	2.7%
30.9%	212	250	38	18.0%
32.1%	207	250	43	20.9%
33.3%	190	250	60	31.5%
34.6%	189	250	61	32.1%
35.8%	189	250	61	32.5%
37.0%	188	250	62	32.8%
38.3%	188	243	55	29.5%
39.5%	187	212	25	13.2%
40.7%	187	207	20	10.5%
42.0%	186	191	6	3.0%
43.2%	179	190	11	6.3%
44.4%	120	188	69	57.3%
45.7%	100	188	88	87.9%
46.9%	100	186	86	86.4%
48.1%	100	179	79	78.9%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	58	75	17	29.5%
65.4%	53	58	5	9.7%
66.7%	0	53	53	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,708	2,708	0	0.0%
1.2%	1,450	1,441	-9	-0.6%
2.5%	1,208	1,291	83	6.9%
3.7%	1,086	1,278	191	17.6%
4.9%	1,019	1,076	57	5.6%
6.2%	971	1,019	48	5.0%
7.4%	907	971	64	7.0%
8.6%	898	852	-46	-5.2%
9.9%	570	522	-48	-8.4%
11.1%	558	509	-49	-8.7%
12.3%	522	508	-14	-2.8%
13.6%	509	473	-37	-7.2%
14.8%	475	461	-14	-2.9%
16.0%	473	458	-15	-3.1%
17.3%	461	449	-12	-2.7%
18.5%	458	432	-26	-5.6%
19.8%	449	426	-22	-4.9%
21.0%	426	423	-3	-0.7%
22.2%	423	409	-14	-3.3%
23.5%	409	409	0	0.0%
24.7%	409	404	-5	-1.2%
25.9%	409	401	-8	-2.1%
27.2%	408	395	-13	-3.3%
28.4%	404	367	-37	-9.0%
29.6%	395	364	-31	-7.7%
30.9%	364	363	-1	-0.4%
32.1%	360	360	0	0.1%
33.3%	359	360	1	0.2%
34.6%	358	358	0	0.0%
35.8%	355	355	0	0.0%
37.0%	350	352	2	0.5%
38.3%	342	350	8	2.3%
39.5%	338	342	4	1.3%
40.7%	337	338	1	0.2%
42.0%	322	322	0	0.0%
43.2%	301	301	0	0.0%
44.4%	294	294	0	0.0%
45.7%	291	291	0	0.0%
46.9%	289	289	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	239	-11	-4.4%
59.3%	239	239	0	-0.1%
60.5%	228	228	0	0.0%
61.7%	227	227	0	0.0%
63.0%	221	219	-2	-1.0%
64.2%	214	214	0	0.0%
65.4%	213	213	0	0.0%
66.7%	203	212	9	4.5%
67.9%	182	203	20	11.2%
69.1%	177	177	0	0.0%
70.4%	169	162	-6	-3.8%
71.6%	162	146	-17	-10.4%
72.8%	146	144	-2	-1.1%
74.1%	144	100	-44	-30.5%
75.3%	128	100	-28	-22.0%
76.5%	100	100	0	-0.1%
77.8%	100	100	0	0.0%
79.0%	100	100	0	0.0%
80.2%	100	100	0	0.0%
81.5%	100	100	0	0.0%
82.7%	100	100	0	0.0%
84.0%	100	100	0	0.0%
85.2%	100	100	0	0.0%
86.4%	100	6	-94	-94.3%
87.7%	100	1	-99	-98.5%
88.9%	6	0	-6	
90.1%	1	0	-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	

May				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,409	2,409	0	0.0%
1.2%	1,543	1,728	186	12.0%
2.5%	1,173	1,500	327	27.9%
3.7%	992	715	-277	-27.9%
4.9%	915	701	-214	-23.4%
6.2%	527	654	127	24.1%
7.4%	250	284	34	13.5%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	223	206	-17	-7.6%
28.4%	206	142	-64	-31.1%
29.6%	186	7	-179	-95.7%
30.9%	134	125	-9	-7.1%
32.1%	125	116	-8	-6.6%
33.3%	114	114	0	0.0%
34.6%	100	100	0	0

Table SW-05-b  
Clear Creek Tunnel, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,122	3,121	-1	0.0%
1.2%	3,121	3,120	-1	-0.1%
2.5%	3,121	2,745	-376	-12.0%
3.7%	3,120	2,215	-905	-29.0%
4.9%	2,990	3,007	-983	-32.9%
6.2%	2,323	1,956	-368	-15.8%
7.4%	2,014	1,899	-115	-5.7%
8.6%	1,953	1,549	-404	-20.7%
9.9%	1,279	1,374	95	7.4%
11.1%	1,250	1,255	5	0.4%
12.3%	1,250	1,250	0	0.0%
13.6%	1,187	1,250	63	5.3%
14.8%	1,091	1,250	159	14.6%
16.0%	1,000	1,250	250	25.0%
17.3%	1,000	1,250	250	25.0%
18.5%	920	1,250	330	35.8%
19.8%	916	1,154	238	26.0%
21.0%	750	1,005	255	34.0%
22.2%	750	1,000	250	33.3%
23.5%	750	1,000	250	33.3%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	726	-24	-3.2%
30.9%	750	590	-160	-21.3%
32.1%	750	582	-168	-22.4%
33.3%	750	501	-249	-33.2%
34.6%	750	379	-371	-49.4%
35.8%	750	366	-384	-51.2%
37.0%	750	344	-406	-54.2%
38.3%	556	340	-216	-38.8%
39.5%	515	317	-198	-38.4%
40.7%	486	306	-180	-37.1%
42.0%	446	303	-143	-32.1%
43.2%	366	301	-65	-17.7%
44.4%	352	298	-54	-15.3%
45.7%	344	261	-83	-24.1%
46.9%	340	251	-89	-26.1%
48.1%	338	250	-88	-26.0%
49.4%	303	250	-53	-17.4%
50.6%	301	250	-51	-17.0%
51.9%	261	250	-11	-4.1%
53.1%	251	250	-1	-0.5%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	250	0	0.0%
59.3%	250	247	-3	-1.0%
60.5%	250	216	-34	-13.6%
61.7%	250	213	-37	-14.9%
63.0%	247	204	-44	-17.8%
64.2%	213	199	-13	-6.3%
65.4%	204	199	-5	-2.4%
66.7%	199	156	-44	-21.9%
67.9%	199	107	-91	-46.0%
69.1%	191	104	-87	-45.4%
70.4%	156	95	-60	-38.8%
71.6%	107	78	-29	-27.3%
72.8%	104	77	-27	-26.2%
74.1%	96	75	-21	-22.1%
75.3%	77	72	-6	-7.5%
76.5%	77	72	-5	-6.9%
77.8%	75	71	-4	-4.9%
79.0%	72	70	-3	-3.7%
80.2%	72	69	-3	-4.0%
81.5%	71	65	-6	-9.1%
82.7%	70	41	-29	-41.3%
84.0%	35	40	5	14.9%
85.2%	0	38	38	100.0%
86.4%	0	35	35	100.0%
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%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,300	0	0.0%
9.9%	3,300	3,300	0	0.0%
11.1%	3,300	3,056	-244	-7.4%
12.3%	3,207	2,802	-405	-12.6%
13.6%	3,191	2,801	-390	-12.2%
14.8%	2,800	2,800	0	0.0%
16.0%	2,800	2,800	0	0.0%
17.3%	2,750	2,800	50	1.8%
18.5%	2,750	2,800	50	1.8%
19.8%	2,500	2,800	300	12.0%
21.0%	2,500	2,750	250	10.0%
22.2%	2,500	2,636	136	5.5%
23.5%	2,500	2,508	8	0.3%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,250	2,500	250	11.1%
28.4%	2,250	2,500	250	11.1%
29.6%	2,181	2,500	319	14.6%
30.9%	2,000	2,500	500	25.0%
32.1%	2,000	2,500	500	25.0%
33.3%	2,000	2,250	250	12.5%
34.6%	2,000	2,250	250	12.5%
35.8%	2,000	2,250	250	12.5%
37.0%	2,000	2,250	250	12.5%
38.3%	2,000	2,250	250	12.5%
39.5%	2,000	2,036	36	1.8%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	1,988	1,864	-124	-6.2%
54.3%	1,750	1,817	67	3.8%
55.6%	1,750	1,794	44	2.5%
56.8%	1,750	1,717	-33	-1.9%
58.0%	1,750	1,713	-37	-2.1%
59.3%	1,750	1,696	-54	-3.1%
60.5%	1,750	1,500	-250	-14.3%
61.7%	1,750	1,500	-250	-14.3%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,482	-18	-1.2%
72.8%	1,500	1,442	-58	-3.9%
74.1%	1,500	1,330	-170	-11.3%
75.3%	1,500	1,268	-232	-15.5%
76.5%	1,500	1,147	-353	-23.5%
77.8%	1,500	1,092	-408	-27.2%
79.0%	1,442	1,050	-392	-27.2%
80.2%	1,340	1,037	-303	-22.6%
81.5%	1,133	1,027	-106	-9.3%
82.7%	1,092	1,000	-92	-8.4%
84.0%	1,050	852	-198	-18.9%
85.2%	1,037	718	-318	-30.7%
86.4%	1,027	676	-351	-34.2%
87.7%	1,022	635	-387	-37.8%
88.9%	1,000	158	-842	-84.2%
90.1%	815	129	-686	-84.1%
91.4%	638	83	-554	-86.9%
92.6%	637	80	-557	-87.5%
93.8%	535	79	-456	-85.3%
95.1%	129	75	-55	-42.4%
96.3%	80	44	-35	-43.8%
97.5%	43	43	0	0.0%
98.8%	0	43	43	100.0%
100.0%	0	0	0	0.0%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,250	-50	-1.5%
7.4%	3,299	3,250	-49	-1.5%
8.6%	3,256	3,250	-6	-0.2%
9.9%	3,156	3,250	84	2.7%
11.1%	3,165	3,250	85	2.7%
12.3%	3,089	3,250	161	5.2%
13.6%	2,780	3,250	470	16.9%
14.8%	2,750	3,033	283	10.3%
16.0%	2,562	2,896	334	13.1%
17.3%	2,561	2,802	241	9.4%
18.5%	2,552	2,770	218	8.5%
19.8%	2,506	2,750	244	9.7%
21.0%	2,500	2,626	126	5.0%
22.2%	2,500	2,573	73	2.9%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,250	2,500	250	11.1%
29.6%	2,250	2,500	250	11.1%
30.9%	2,250	2,500	250	11.1%
32.1%	2,250	2,500	250	11.1%
33.3%	2,250	2,500	250	11.1%
34.6%	2,250	2,500	250	11.1%
35.8%	2,250	2,500	250	11.1%
37.0%	2,250	2,500	250	11.1%
38.3%	2,250	2,500	250	11.1%
39.5%	2,250	2,500	250	11.1%
40.7%	2,250	2,500	250	11.1%
42.0%	2,000	2,500	500	25.0%
43.2%	2,000	2,500	500	25.0%
44.4%	2,000	2,500	500	25.0%
45.7%	2,000	2,500	500	25.0%
46.9%	2,000	2,500	500	25.0%
48.1%	2,000	2,500	500	25.0%
49.4%	2,000	2,500	500	25.0%
50.6%	2,000	2,250	250	12.5%
51.9%	2,000	2,250	250	12.5%
53.1%	2,000	2,250	250	12.5%
54.3%	2,000	2,182	182	9.1%
55.6%	2,000	2,063	63	3.2%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,953	2,000	47	2.4%
67.9%	1,757	2,000	243	13.9%
69.1%	1,750	2,000	250	14.3%
70.4%	1,750	2,000	250	14.3%
71.6%	1,750	2,000	250	14.3%
72.8%	1,750	2,000	250	14.3%
74.1%	1,750	1,958	208	11.9%
75.3%	1,632	1,916	284	17.4%
76.5%	1,625	1,750	125	7.7%
77.8%	1,500	1,750	250	16.7%
79.0%	1,500	1,750	250	16.7%
80.2%	1,500	1,714	214	14.3%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,320	-180	-12.0%
93.8%	1,250	1,295	45	3.6%
95.1%	1,000	1,250	250	25.0%
96.3%	375	1,240	865	231.0%
97.5%	250	391	141	56.5%
98.8%	0	250	250	100.0%
100.0%	41	41	0	0.0%

September				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)</

**Figure SW-06-b**  
**Clear Creek below Whiskeytown Reservoir, Monthly Flow**  
**Probability of Exceedance**

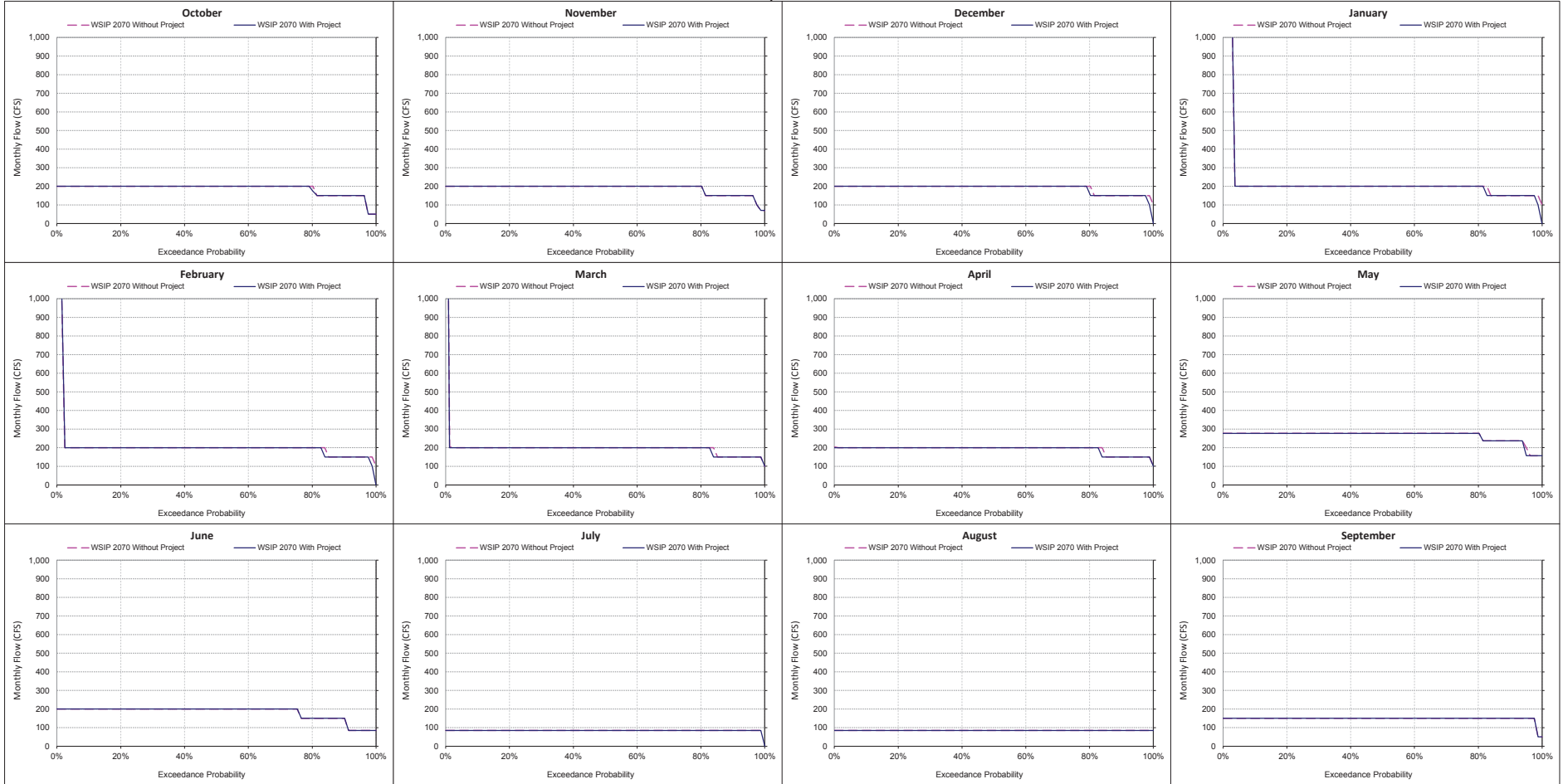






Table SW-06-b  
Clear Creek below Whiskeytown Reservoir, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	0	-85	-100.0%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%				

**Figure SW-07-b**  
**Shasta Lake, End of Month Storage**  
**Probability of Exceedance**

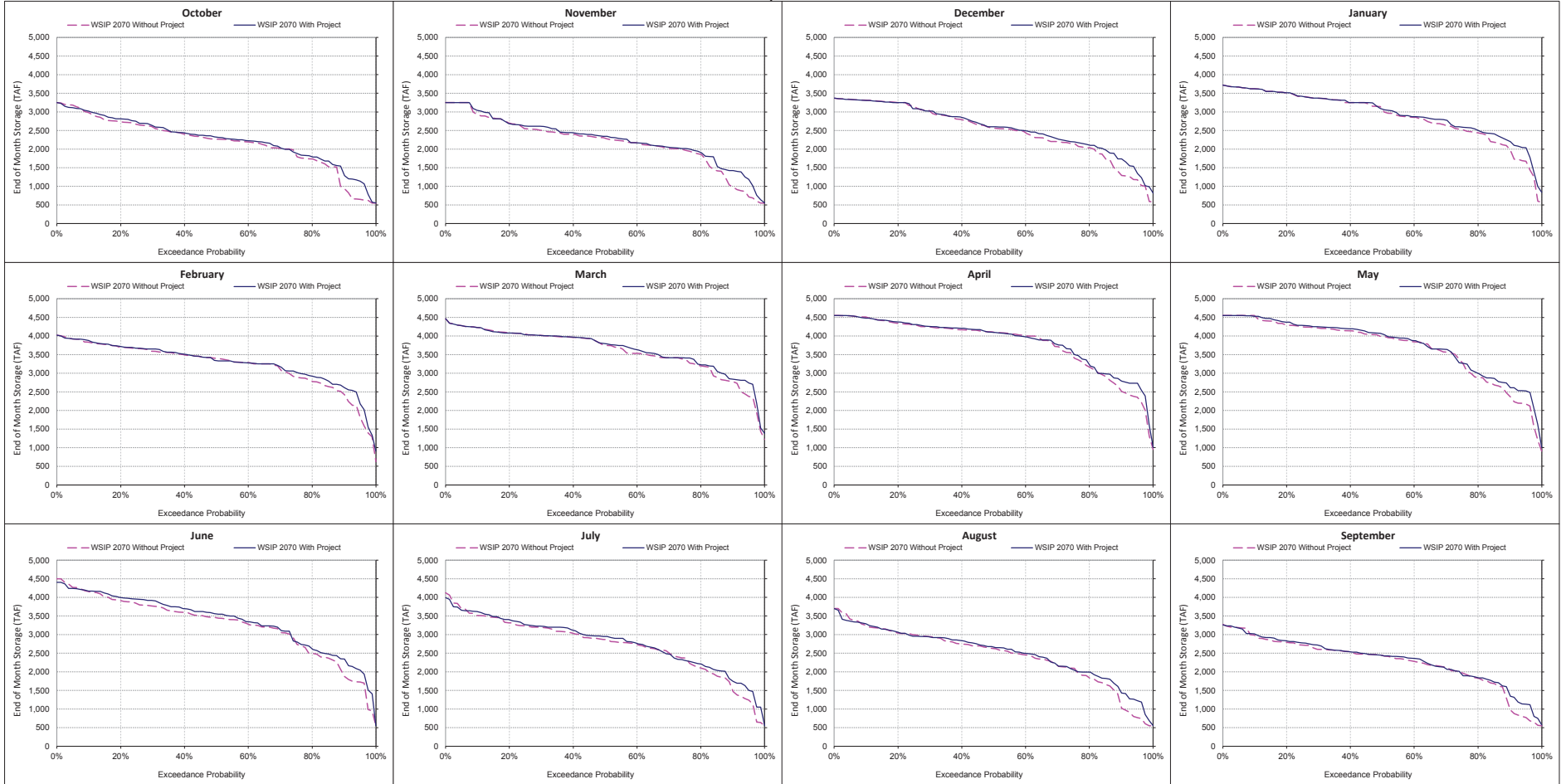


Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,230	3,230	0	0.0%
2.5%	3,200	3,150	-50	-1.6%
3.7%	3,190	3,118	-72	-2.3%
4.9%	3,184	3,113	-71	-2.2%
6.2%	3,137	3,094	-43	-1.4%
7.4%	3,104	3,089	-15	-0.5%
8.6%	3,012	3,041	29	0.9%
9.9%	2,982	3,022	40	1.3%
11.1%	2,925	2,987	62	2.1%
12.3%	2,877	2,964	86	3.0%
13.6%	2,857	2,926	70	2.4%
14.8%	2,789	2,909	120	4.3%
16.0%	2,768	2,854	86	3.1%
17.3%	2,761	2,840	79	2.8%
18.5%	2,755	2,815	60	-0.5%
19.8%	2,737	2,814	77	-0.8%
21.0%	2,722	2,806	84	3.1%
22.2%	2,716	2,800	83	3.1%
23.5%	2,709	2,763	54	2.0%
24.7%	2,670	2,747	77	2.9%
25.9%	2,647	2,696	49	1.8%
27.2%	2,637	2,692	55	2.1%
28.4%	2,628	2,687	59	2.2%
29.6%	2,613	2,640	27	1.0%
30.9%	2,553	2,594	41	1.6%
32.1%	2,530	2,589	59	2.3%
33.3%	2,498	2,579	81	3.2%
34.6%	2,486	2,526	39	1.6%
35.8%	2,459	2,463	4	0.2%
37.0%	2,453	2,458	5	0.2%
38.3%	2,446	2,445	-1	0.0%
39.5%	2,411	2,443	32	1.3%
40.7%	2,385	2,425	40	1.7%
42.0%	2,368	2,402	34	2.3%
43.2%	2,346	2,346	0	0.0%
44.4%	2,342	2,375	33	1.4%
45.7%	2,318	2,372	54	2.3%
46.9%	2,294	2,374	67	2.9%
48.1%	2,276	2,359	83	3.7%
49.4%	2,271	2,328	57	2.5%
50.6%	2,266	2,318	51	2.3%
51.9%	2,262	2,311	50	2.2%
53.1%	2,260	2,280	20	0.9%
54.3%	2,246	2,276	30	1.3%
55.6%	2,222	2,266	44	2.0%
56.8%	2,217	2,249	32	1.4%
58.0%	2,204	2,248	44	2.0%
59.3%	2,198	2,231	33	1.5%
60.5%	2,190	2,224	35	1.6%
61.7%	2,173	2,218	45	2.1%
63.0%	2,168	2,201	34	1.6%
64.2%	2,131	2,194	63	3.0%
65.4%	2,101	2,171	70	3.3%
66.7%	2,037	2,160	123	6.1%
67.9%	2,034	2,075	61	3.0%
69.1%	2,030	2,079	49	2.4%
70.4%	2,009	2,023	14	0.7%
71.6%	2,005	1,994	-11	-0.5%
72.8%	2,004	1,994	-10	-0.5%
74.1%	1,980	1,921	-59	-3.0%
75.3%	1,793	1,883	90	5.0%
76.5%	1,762	1,835	73	4.1%
77.8%	1,753	1,829	76	4.3%
79.0%	1,738	1,824	87	5.0%
80.2%	1,736	1,790	55	3.1%
81.5%	1,688	1,785	97	5.7%
82.7%	1,648	1,727	78	4.7%
84.0%	1,606	1,678	73	4.5%
85.2%	1,524	1,677	153	10.0%
86.4%	1,523	1,589	66	4.3%
87.7%	1,519	1,562	43	2.8%
88.9%	1,002	1,544	542	54.1%
90.1%	935	1,267	332	37.7%
91.4%	827	1,205	378	45.7%
92.6%	661	1,193	532	80.5%
93.8%	661	1,171	510	77.3%
95.1%	650	1,136	486	74.8%
96.3%	629	1,065	436	69.3%
97.5%	620	760	150	25.7%
98.8%	550	574	24	4.4%
100.0%	550	550	0	0.0%

Percent Exceedance Probability (%)	November			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	2,965	3,091	126	4.3%
9.9%	2,932	3,045	113	3.9%
11.1%	2,892	3,025	133	4.6%
12.3%	2,891	2,984	93	3.2%
13.6%	2,849	2,980	132	4.6%
14.8%	2,835	2,818	-17	-0.6%
16.0%	2,818	2,816	-2	-0.1%
17.3%	2,809	2,812	3	0.1%
18.5%	2,765	2,752	-13	-0.5%
19.8%	2,705	2,684	-21	-0.8%
21.0%	2,676	2,665	-11	-0.4%
22.2%	2,672	2,655	-18	-0.7%
23.5%	2,628	2,647	19	0.7%
24.7%	2,552	2,623	70	2.8%
25.9%	2,540	2,617	78	3.1%
27.2%	2,535	2,617	82	3.2%
28.4%	2,531	2,616	85	3.4%
29.6%	2,509	2,613	104	4.2%
30.9%	2,496	2,609	113	4.5%
32.1%	2,466	2,585	119	4.8%
33.3%	2,463	2,552	89	3.6%
34.6%	2,445	2,545	100	4.1%
35.8%	2,434	2,455	21	0.9%
37.0%	2,401	2,458	57	2.2%
38.3%	2,399	2,445	46	1.9%
39.5%	2,397	2,444	46	1.9%
40.7%	2,392	2,428	36	1.5%
42.0%	2,354	2,407	53	2.3%
43.2%	2,353	2,405	53	2.2%
44.4%	2,352	2,396	44	1.9%
45.7%	2,340	2,393	54	2.3%
46.9%	2,320	2,374	55	2.4%
48.1%	2,311	2,356	45	1.9%
49.4%	2,310	2,346	36	1.6%
50.6%	2,274	2,342	68	3.0%
51.9%	2,250	2,317	67	3.0%
53.1%	2,243	2,309	66	2.9%
54.3%	2,231	2,288	57	2.6%
55.6%	2,220	2,271	51	2.3%
56.8%	2,189	2,267	79	3.6%
58.0%	2,178	2,173	-4	-0.2%
59.3%	2,173	2,172	-1	0.0%
60.5%	2,166	2,163	-3	-0.1%
61.7%	2,120	2,155	36	1.7%
63.0%	2,112	2,155	43	2.0%
64.2%	2,104	2,111	6	0.3%
65.4%	2,100	2,093	-7	-0.3%
66.7%	2,078	2,085	7	0.3%
67.9%	2,057	2,079	21	1.0%
69.1%	2,017	2,060	43	2.1%
70.4%	2,011	2,042	31	1.5%
71.6%	2,009	2,037	27	1.4%
72.8%	2,009	2,031	23	1.1%
74.1%	1,997	2,015	18	0.9%
75.3%	1,966	2,013	47	2.4%
76.5%	1,942	1,999	58	3.0%
77.8%	1,908	1,963	56	2.9%
79.0%	1,876	1,943	67	3.6%
80.2%	1,856	1,899	43	2.3%
81.5%	1,722	1,809	87	5.0%
82.7%	1,538	1,800	262	17.0%
84.0%	1,451	1,795	344	23.7%
85.2%	1,416	1,529	113	8.0%
86.4%	1,406	1,474	67	4.8%
87.7%	1,249	1,449	200	16.0%
88.9%	1,039	1,422	383	36.8%
90.1%	935	1,421	487	45.1%
91.4%	827	1,405	492	54.0%
92.6%	661	1,387	505	57.2%
93.8%	661	1,251	389	45.1%
95.1%	713	1,187	475	66.8%
96.3%	607	1,017	331	48.2%
97.5%	600	761	160	27.0%
98.8%	550	640	90	16.5%
100.0%	550	550	0	0.0%

Percent Exceedance Probability (%)	December			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,368	3,368	0	0.0%
1.2%	3,354	3,354	0	0.0%
2.5%	3,349	3,349	0	0.0%
3.7%	3,349	3,338	-11	-0.3%
4.9%	3,338	3,337	-1	0.0%
6.2%	3,328	3,328	0	0.0%
7.4%	3,322	3,322	0	0.0%
8.6%	3,319	3,317	-2	-0.1%
9.9%	3,317	3,310	-7	-0.2%
11.1%	3,310	3,306	-4	-0.1%
12.3%	3,306	3,291	-15	-0.4%
13.6%	3,291	3,285	-6	-0.2%
14.8%	3,285	3,276	-9	-0.3%
16.0%	3,276	3,267	-9	-0.3%
17.3%	3,267	3,265	-2	-0.1%
18.5%	3,265	3,252	-13	-0.4%
19.8%	3,252	3,252	0	0.0%
21.0%	3,252	3,252	0	0.0%
22.2%	3,252	3,251	-1	0.0%
23.5%	3,173	3,218	46	1.4%
24.7%	3,169	3,089	-81	-2.6%
25.9%	3,099	3,084	-15	-0.5%
27.2%	3,055	3,069	14	0.5%
28.4%	3,051	3,027	-24	-0.8%
29.6%	3,048	3,023	-24	-0.8%
30.9%	2,957	3,022	66	2.2%
32.1%	2,921	2,947	25	0.9%
33.3%	2,921	2,936	15	0.5%
34.6%	2,903	2,924	20	0.7%
35.8%	2,893	2,886	-7	-0.2%
37.0%	2,853	2,870	17	0.6%
38.3%	2,810	2,870	59	2.1%
39.5%	2,801	2,862	61	2.2%
40.7%	2,776	2,834	58	2.1%
42.0%	2,761	2,791	31	1.1%
43.2%	2,748	2,714	-34	-1.3%
44.4%	2,669	2,719	50	1.9%
45.7%	2,649	2,679	30	1.1%
46.9%	2,635	2,651	16	0.6%
48.1%	2,594	2,603	8	0.3%
49.4%	2,566	2,601	35	1.4%
50.6%	2,559	2,600	41	1.6%
51.9%	2,550	2,595	45	1.7%
53.1%	2,546	2,591	45	1.8%
54.3%	2,540	2,586	46	1.8%
55.6%	2,530	2,571	42	1.6%
56.8%	2,500	2,536	36	1.4%
58.0%	2,491	2,511	20	0.8%
59.3%	2,482	2,504	21	0.8%
60.5%	2,414	2,488	74	3.1%
61.7%	2,369	2,458	89	3.7%
63.0%	2,312	2,455	143	6.2%
64.2%	2,307	2,413	106	4.6%
65.4%	2,303	2,405	102	4.4%
66.7%	2,243	2,365	122	5.4%
67.9%	2,206	2,338	132	6.0%
69.1%	2,204	2,302	98	4.4%
70.4%	2,202	2,266	65	2.9%
71.6%	2,179	2,241	61	2.8%
72.8%	2,177	2,226	48	2.2%
74.1%	2,154	2,201	47	2.2%
75.3%	2,151	2,195	44	2.1%
76.5%	2,073	2,171	98	4.7%
77.8%	2,055	2,148	93	4.5%
79.0%	2,035	2,132	97	4.8%
80.2%	2,034	2,101	67	3.3%
81.5%	1,999	2,101	103	5.1%
82.7%	1,877	2,038	161	8.6%
84.0%	1,868	2,026	158	8.5%
85.2%	1,729	1,972	243	14.1%
86.4%	1,716	1,891	175	10.2%
87.7%	1,505	1,887	383	25.4%
88.9%	1,411	1,741	329	23.3%
90.1%	1,282	1,737	444	34.4%
91.4%	1,280	1,657	378	29.5%
92.6%	1,267	1,552	285	22.5%
93.8%	1,181	1,537	356	30.1%
95.1%	1,177	1,347	170	14.4%
96.3%	1,022	1,233	212	2



Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,022	4,022	0	0.0%
1.2%	4,005	4,005	0	0.0%
2.5%	3,979	3,944	-35	-0.9%
3.7%	3,944	3,938	-6	-0.1%
4.9%	3,920	3,920	0	0.0%
6.2%	3,917	3,917	0	0.0%
7.4%	3,914	3,914	0	0.0%
8.6%	3,840	3,900	61	1.6%
9.9%	3,835	3,884	49	1.3%
11.1%	3,813	3,840	27	0.7%
12.3%	3,794	3,813	19	0.5%
13.6%	3,789	3,794	5	0.1%
14.8%	3,777	3,789	12	0.3%
16.0%	3,775	3,777	2	0.1%
17.3%	3,743	3,743	0	0.0%
18.5%	3,739	3,739	0	0.0%
19.8%	3,695	3,724	29	0.8%
21.0%	3,694	3,705	11	0.3%
22.2%	3,688	3,695	7	0.2%
23.5%	3,675	3,694	19	0.5%
24.7%	3,671	3,675	4	0.1%
25.9%	3,661	3,671	10	0.3%
27.2%	3,654	3,661	7	0.2%
28.4%	3,636	3,655	19	0.5%
29.6%	3,593	3,654	61	1.7%
30.9%	3,588	3,652	64	1.8%
32.1%	3,570	3,636	66	1.9%
33.3%	3,567	3,588	21	0.6%
34.6%	3,560	3,570	10	0.3%
35.8%	3,553	3,557	4	0.1%
37.0%	3,530	3,560	30	0.8%
38.3%	3,516	3,530	14	0.4%
39.5%	3,503	3,516	13	0.4%
40.7%	3,480	3,503	23	0.7%
42.0%	3,480	3,480	0	0.0%
43.2%	3,462	3,482	20	0.6%
44.4%	3,454	3,457	3	0.1%
45.7%	3,431	3,431	0	0.0%
46.9%	3,423	3,423	0	0.0%
48.1%	3,421	3,421	0	0.0%
49.4%	3,405	3,405	-59	-1.7%
50.6%	3,397	3,335	-62	-1.8%
51.9%	3,381	3,333	-48	-1.4%
53.1%	3,357	3,333	-24	-0.7%
54.3%	3,340	3,332	-8	-0.2%
55.6%	3,300	3,302	2	0.0%
56.8%	3,298	3,292	-6	-0.2%
58.0%	3,292	3,288	-4	-0.1%
59.3%	3,288	3,282	-7	-0.2%
60.5%	3,282	3,273	-9	-0.3%
61.7%	3,252	3,266	14	0.4%
63.0%	3,252	3,252	0	0.0%
64.2%	3,252	3,252	0	0.0%
65.4%	3,252	3,252	0	0.0%
66.7%	3,252	3,252	0	0.0%
67.9%	3,218	3,252	34	1.1%
69.1%	3,202	3,212	11	0.3%
70.4%	3,067	3,159	92	3.0%
71.6%	3,040	3,067	27	0.9%
72.8%	2,992	3,059	67	2.2%
74.1%	2,917	3,057	140	4.8%
75.3%	2,888	3,014	126	4.3%
76.5%	2,872	2,987	114	4.0%
77.8%	2,867	2,972	105	3.7%
79.0%	2,824	2,938	114	4.0%
80.2%	2,775	2,920	145	5.2%
81.5%	2,768	2,887	119	4.3%
82.7%	2,733	2,885	153	5.6%
84.0%	2,670	2,842	172	6.4%
85.2%	2,640	2,887	149	5.6%
86.4%	2,619	2,702	83	3.2%
87.7%	2,531	2,702	170	6.7%
88.9%	2,516	2,679	163	6.5%
90.1%	2,426	2,613	190	7.8%
91.4%	2,243	2,456	214	9.5%
92.6%	2,140	2,541	401	18.8%
93.8%	2,137	2,499	362	16.9%
95.1%	1,809	2,175	365	20.2%
96.3%	1,584	2,019	435	27.4%
97.5%	1,586	1,551	-35	-2.2%
98.8%	1,293	1,332	39	3.0%
100.0%	624	1,907	283	45.4%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,462	4,462	0	0.0%
1.2%	4,347	4,347	0	0.0%
2.5%	4,323	4,323	0	0.0%
3.7%	4,292	4,292	0	0.0%
4.9%	4,280	4,280	0	0.0%
6.2%	4,256	4,256	0	0.0%
7.4%	4,248	4,248	0	0.0%
8.6%	4,246	4,246	0	0.0%
9.9%	4,229	4,229	0	0.0%
11.1%	4,226	4,226	0	0.0%
12.3%	4,178	4,162	-16	-0.4%
13.6%	4,162	4,142	-20	-0.5%
14.8%	4,142	4,114	-28	-0.7%
16.0%	4,114	4,106	-8	-0.2%
17.3%	4,106	4,096	-10	-0.2%
18.5%	4,100	4,081	-19	-0.5%
19.8%	4,081	4,077	-4	-0.1%
21.0%	4,077	4,076	-1	0.0%
22.2%	4,076	4,072	-4	-0.1%
23.5%	4,071	4,071	0	0.0%
24.7%	4,060	4,039	-21	-0.5%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,019	4,016	-3	-0.1%
30.9%	4,010	4,010	1	0.0%
32.1%	4,000	4,010	10	0.2%
33.3%	4,000	4,000	0	0.0%
34.6%	3,991	4,000	9	0.2%
35.8%	3,980	3,991	11	0.3%
37.0%	3,979	3,980	1	0.0%
38.3%	3,976	3,979	3	0.1%
39.5%	3,965	3,976	11	0.3%
40.7%	3,962	3,965	3	0.1%
42.0%	3,953	3,960	7	0.2%
43.2%	3,940	3,953	13	0.3%
44.4%	3,937	3,940	3	0.1%
45.7%	3,927	3,931	4	0.1%
46.9%	3,873	3,873	0	0.0%
48.1%	3,819	3,819	0	0.0%
49.4%	3,759	3,759	116	3.1%
50.6%	3,745	3,787	42	1.1%
51.9%	3,742	3,768	26	0.7%
53.1%	3,700	3,756	56	1.5%
54.3%	3,700	3,745	45	1.2%
55.6%	3,647	3,743	96	2.6%
56.8%	3,544	3,706	163	4.6%
58.0%	3,538	3,671	133	3.8%
59.3%	3,535	3,647	113	3.2%
60.5%	3,534	3,627	93	2.6%
61.7%	3,520	3,589	68	1.9%
63.0%	3,504	3,552	48	1.4%
64.2%	3,477	3,546	69	2.0%
65.4%	3,466	3,534	68	2.0%
66.7%	3,435	3,504	69	2.0%
67.9%	3,417	3,435	18	0.5%
69.1%	3,417	3,417	1	0.0%
70.4%	3,416	3,417	1	0.0%
71.6%	3,416	3,416	0	0.0%
72.8%	3,416	3,416	0	0.0%
74.1%	3,385	3,416	31	0.9%
75.3%	3,369	3,411	42	1.2%
76.5%	3,272	3,407	135	4.1%
77.8%	3,256	3,374	118	3.6%
79.0%	3,211	3,247	36	1.1%
80.2%	3,194	3,227	33	1.0%
81.5%	3,181	3,226	45	1.4%
82.7%	3,163	3,195	32	1.0%
84.0%	2,930	3,186	256	8.7%
85.2%	2,887	3,049	161	5.6%
86.4%	2,828	3,003	174	6.2%
87.7%	2,811	2,977	166	5.9%
88.9%	2,788	2,855	67	2.4%
90.1%	2,774	2,842	68	2.5%
91.4%	2,729	2,828	99	3.6%
92.6%	2,502	2,812	310	12.4%
93.8%	2,446	2,811	365	14.9%
95.1%	2,374	2,737	363	15.3%
96.3%	2,355	2,704	349	14.8%
97.5%	1,939	2,189	250	13.3%
98.8%	1,437	1,528	91	6.3%
100.0%	1,224	1,386	161	13.2%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,546	4,552	6	0.1%
3.7%	4,546	4,552	6	0.1%
4.9%	4,544	4,546	2	0.0%
6.2%	4,530	4,540	10	0.2%
7.4%	4,522	4,517	-4	-0.1%
8.6%	4,513	4,491	-22	-0.5%
9.9%	4,512	4,479	-33	-0.7%
11.1%	4,479	4,476	-3	-0.1%
12.3%	4,456	4,456	0	0.0%
13.6%	4,436	4,431	-4	-0.1%
14.8%	4,417	4,430	13	0.3%
16.0%	4,412	4,425	12	0.3%
17.3%	4,384	4,408	24	0.6%
18.5%	4,360	4,384	23	0.5%
19.8%	4,343	4,379	35	0.8%
21.0%	4,336	4,371	35	0.8%
22.2%	4,319	4,351	31	0.7%
23.5%	4,317	4,343	26	0.6%
24.7%	4,295	4,311	16	0.4%
25.9%	4,289	4,308	19	0.4%
27.2%	4,254	4,289	35	0.8%
28.4%	4,252	4,265	13	0.3%
29.6%	4,247	4,260	13	0.3%
30.9%	4,235	4,254	19	0.5%
32.1%	4,218	4,248	30	0.7%
33.3%	4,217	4,232	15	0.4%
34.6%	4,214	4,229	15	0.4%
35.8%	4,206	4,224	18	0.4%
37.0%	4,190	4,218	28	0.7%
38.3%	4,173	4,217	44	1.0%
39.5%	4,169	4,210	41	1.0%
40.7%	4,167	4,207	41	1.0%
42.0%	4,159	4,184	25	0.6%
43.2%	4,158	4,178	19	0.5%
44.4%	4,158	4,174	16	0.4%
45.7%	4,137	4,173	36	0.9%
46.9%	4,121	4,137	16	0.4%
48.1%	4,114	4,109	-4	-0.1%
49.4%	4,098	4,098	0	0.0%
50.6%	4,094	4,094	0	0.0%
51.9%	4,091	4,077	-13	-0.3%
53.1%	4,085	4,074	-11	-0.3%
54.3%	4,074	4,058	-16	-0.4%
55.6%	4,058	4,050	-8	-0.2%
56.8%	4,050	4,007	-43	-1.1%
58.0%	4,028	4,003	-25	-0.6%
59.3%	4,023	3,990	-34	-0.8%
60.5%	3,999	3,971	-29	-0.7%
61.7%	3,999	3,944	-55	-1.4%
63.0%	3,998	3,925	-73	-1.8%
64.2%	3,948	3,898	-51	-1.3%
65.4%	3,882	3,896	13	0.3%
66.7%	3,882	3,895	13	0.3%
67.9%	3,865	3,887	22	0.6%
69.1%	3,722	3,797	75	2.0%
70.4%	3,710	3,759	49	1.3%
71.6%	3,603	3,752	148	4.1%
72.8%	3,558	3,658	100	2.8%
74.1%	3,554	3,653	99	2.8%
75.3%	3,405	3,502	97	2.9%
76.5%	3,357	3,474	117	3.5%
77.8%	3,302	3,384	82	2.5%
79.0%	3,212	3,360	148	4.6%
80.2%	3,156	3,196	40	1.3%
81.5%	3,094	3,161	67	2.2%
82.7%	3,016	2,999	-17	-0.6%
84.0%	2,965	2,955	-10	-0.3%
85.2%	2,911	2,980	69	2.4%
86.4%	2,811	2,971	160	5.7%
87.7%	2,738	2,875	137	5.0%
88.9%	2,657	2,863	206	7.8%
90.1%	2,509	2,788	280	11.1%
91.4%	2,387	2,479	91	3.8%
92.6%	2,416	2,734	318	13.2%
93.8%	2,381	2,730	349	14.7%
95.1%	2,355	2,730	374	15.9%
96.3%	2,224	2,542	318	14.3%

Table SW-07-b  
Shasta Lake, End of Month Storage  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,500	4,407	-93	-2.1%	
1.2%	4,500	4,402	-98	-2.2%	
2.5%	4,404	4,365	-39	-0.9%	
3.7%	4,355	4,242	-113	-2.6%	
4.9%	4,269	4,240	-29	-0.7%	
6.2%	4,232	4,232	-0	-0.0%	
7.4%	4,235	4,214	-21	-0.5%	
8.6%	4,180	4,201	20	0.5%	
9.9%	4,158	4,168	11	0.3%	
11.1%	4,132	4,168	36	0.9%	
12.3%	4,129	4,121	-8	-0.2%	
13.6%	4,095	4,160	64	1.6%	
14.8%	4,013	4,121	108	2.7%	
16.0%	4,003	4,094	91	2.3%	
17.3%	3,942	4,041	99	2.5%	
18.5%	3,934	4,023	89	2.3%	
19.8%	3,918	3,996	78	2.0%	
21.0%	3,890	3,962	72	1.9%	
22.2%	3,882	3,973	91	2.4%	
23.5%	3,881	3,961	80	2.1%	
24.7%	3,846	3,955	110	2.8%	
25.9%	3,796	3,948	152	4.0%	
27.2%	3,791	3,944	153	4.0%	
28.4%	3,782	3,922	140	3.6%	
29.6%	3,769	3,920	151	4.0%	
30.9%	3,760	3,905	145	3.9%	
32.1%	3,747	3,858	111	3.0%	
33.3%	3,714	3,814	99	2.7%	
34.6%	3,657	3,762	125	3.4%	
35.8%	3,637	3,751	115	3.2%	
37.0%	3,619	3,750	131	3.6%	
38.3%	3,605	3,740	135	3.7%	
39.5%	3,600	3,697	98	2.7%	
40.7%	3,598	3,691	93	2.6%	
42.0%	3,553	3,669	116	3.3%	
43.2%	3,521	3,619	98	2.8%	
44.4%	3,517	3,619	102	2.9%	
45.7%	3,507	3,619	111	3.2%	
46.9%	3,480	3,602	122	3.5%	
48.1%	3,466	3,591	125	3.6%	
49.4%	3,463	3,565	102	2.9%	
50.6%	3,442	3,548	106	3.1%	
51.9%	3,436	3,548	112	3.3%	
53.1%	3,414	3,514	101	2.9%	
54.3%	3,403	3,497	94	2.8%	
55.6%	3,400	3,496	96	2.8%	
56.8%	3,391	3,443	52	1.5%	
58.0%	3,338	3,414	75	2.3%	
59.3%	3,306	3,348	42	1.3%	
60.5%	3,260	3,344	85	2.6%	
61.7%	3,255	3,323	69	2.1%	
63.0%	3,248	3,312	64	2.0%	
64.2%	3,206	3,238	32	1.0%	
65.4%	3,200	3,236	36	1.1%	
66.7%	3,200	3,236	36	1.1%	
67.9%	3,174	3,226	53	1.7%	
69.1%	3,161	3,200	39	1.2%	
70.4%	3,050	3,104	53	1.8%	
71.6%	3,047	3,092	45	1.5%	
72.8%	3,013	3,089	76	2.5%	
74.1%	2,917	2,928	-9	-0.3%	
75.3%	2,734	2,797	63	2.3%	
76.5%	2,702	2,732	30	1.1%	
77.8%	2,657	2,720	63	2.4%	
79.0%	2,494	2,694	200	8.0%	
80.2%	2,493	2,600	107	4.3%	
81.5%	2,474	2,570	96	3.9%	
82.7%	2,398	2,515	117	4.9%	
84.0%	2,394	2,491	97	4.0%	
85.2%	2,366	2,481	115	4.9%	
86.4%	2,316	2,440	124	5.3%	
87.7%	2,267	2,433	166	7.3%	
88.9%	2,068	2,349	281	13.6%	
90.1%	1,875	2,346	471	25.1%	
91.4%	1,786	2,167	371	20.7%	
92.6%	1,748	2,143	396	22.7%	
93.8%	1,732	2,084	352	20.3%	
95.1%	1,726	2,044	318	18.4%	
96.3%	1,695	1,938	243	14.4%	
97.5%	1,685	1,805	120	7.1%	
98.8%	950	1,411	460	48.4%	
100.0%	550	550	0	0.0%	

July					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,123	3,987	-136	-3.3%	
1.2%	4,060	3,949	-111	-2.7%	
2.5%	3,849	3,746	-103	-2.7%	
3.7%	3,839	3,741	-98	-2.6%	
4.9%	3,698	3,652	-46	-1.2%	
6.2%	3,682	3,644	-38	-1.0%	
7.4%	3,578	3,641	63	1.8%	
8.6%	3,570	3,624	54	1.5%	
9.9%	3,511	3,620	108	3.1%	
11.1%	3,508	3,592	84	2.4%	
12.3%	3,501	3,547	46	1.3%	
13.6%	3,473	3,532	59	1.7%	
14.8%	3,468	3,487	19	0.5%	
16.0%	3,459	3,485	26	0.8%	
17.3%	3,458	3,437	-21	-0.6%	
18.5%	3,331	3,409	78	2.3%	
19.8%	3,317	3,404	87	2.6%	
21.0%	3,313	3,370	57	1.7%	
22.2%	3,259	3,355	96	3.0%	
23.5%	3,242	3,335	93	2.9%	
24.7%	3,239	3,295	56	1.7%	
25.9%	3,224	3,255	31	1.0%	
27.2%	3,200	3,244	44	1.4%	
28.4%	3,200	3,229	29	0.9%	
29.6%	3,200	3,227	27	0.8%	
30.9%	3,187	3,221	34	1.1%	
32.1%	3,176	3,200	24	0.7%	
33.3%	3,145	3,200	55	1.7%	
34.6%	3,089	3,200	111	3.6%	
35.8%	3,088	3,200	112	3.6%	
37.0%	3,079	3,190	111	3.6%	
38.3%	3,069	3,180	112	3.6%	
39.5%	3,047	3,124	77	2.5%	
40.7%	3,014	3,096	82	2.7%	
42.0%	3,008	3,033	25	0.8%	
43.2%	2,922	2,987	65	2.2%	
44.4%	2,917	2,978	60	2.1%	
45.7%	2,906	2,974	68	2.3%	
46.9%	2,905	2,964	60	2.1%	
48.1%	2,886	2,963	78	2.7%	
49.4%	2,870	2,952	82	2.8%	
50.6%	2,868	2,946	78	2.7%	
51.9%	2,813	2,920	108	3.8%	
53.1%	2,807	2,901	95	3.4%	
54.3%	2,791	2,897	106	3.8%	
55.6%	2,789	2,896	107	3.8%	
56.8%	2,783	2,814	31	1.1%	
58.0%	2,769	2,810	42	1.5%	
59.3%	2,767	2,785	18	0.7%	
60.5%	2,718	2,750	32	1.2%	
61.7%	2,698	2,734	37	1.4%	
63.0%	2,653	2,682	29	1.1%	
64.2%	2,637	2,665	28	1.1%	
65.4%	2,622	2,640	19	0.7%	
66.7%	2,591	2,602	12	0.4%	
67.9%	2,590	2,544	-46	-1.8%	
69.1%	2,567	2,485	-82	-3.2%	
70.4%	2,484	2,473	-11	-0.4%	
71.6%	2,426	2,369	-56	-2.3%	
72.8%	2,398	2,336	-62	-2.6%	
74.1%	2,374	2,328	-46	-1.9%	
75.3%	2,370	2,303	-67	-2.8%	
76.5%	2,224	2,282	58	2.6%	
77.8%	2,171	2,248	77	3.6%	
79.0%	2,124	2,223	99	4.6%	
80.2%	2,097	2,209	112	5.4%	
81.5%	2,065	2,143	78	3.8%	
82.7%	1,976	2,123	146	7.4%	
84.0%	1,947	2,063	116	6.0%	
85.2%	1,881	2,037	156	8.3%	
86.4%	1,856	2,019	163	8.8%	
87.7%	1,834	2,011	177	9.7%	
88.9%	1,735	1,820	84	4.9%	
90.1%	1,668	1,746	78	4.7%	
91.4%	1,378	1,496	118	8.6%	
92.6%	1,341	1,693	352	26.3%	
93.8%	1,281	1,630	349	27.2%	
95.1%	1,238	1,503	264	21.4%	
96.3%	1,135	1,475	340	30.0%	
97.5%	1,053	1,353	300	28.5%	
98.8%	638	1,053	415	65.1%	
100.0%	550	550	0	0.0%	

August					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,700	3,700	0	0.0%	
1.2%	3,700	3,655	-45	-1.2%	
2.5%	3,587	3,414	-173	-4.8%	
3.7%	3,563	3,381	-182	-5.1%	
4.9%	3,416	3,365	-51	-1.5%	
6.2%	3,389	3,339	-49	-1.5%	
7.4%	3,363	3,332	-32	-0.9%	
8.6%	3,285	3,315	30	0.9%	
9.9%	3,252	3,291	38	1.2%	
11.1%	3,200	3,242	42	1.3%	
12.3%	3,187	3,217	30	1.0%	
13.6%	3,179	3,200	21	0.7%	
14.8%	3,155	3,150	-5	-0.2%	
16.0%	3,152	3,141	-11	-0.4%	
17.3%	3,106	3,118	12	0.4%	
18.5%	3,091	3,102	11	0.4%	
19.8%	3,047	3,073	26	0.9%	
21.0%	3,029	3,034	5	0.2%	
22.2%	3,032	3,032	0	0.0%	
23.5%	3,026	2,982	-43	-1.4%	
24.7%	2,997	2,956	-41	-1.4%	
25.9%	2,986	2,955	-32	-1.1%	
27.2%	2,965	2,949	-15	-0.5%	
28.4%	2,958	2,947	-10	-0.3%	
29.6%	2,948	2,940	-7	-0.2%	
30.9%	2,937	2,923	-15	-0.5%	
32.1%	2,918	2,920	2	0.1%	
33.3%	2,902	2,919	17	0.6%	
34.6%	2,835	2,914	79	2.8%	
35.8%	2,816	2,889	73	2.6%	
37.0%	2,804	2,859	55	2.0%	
38.3%	2,765	2,857	92	3.3%	
39.5%	2,751	2,844	93	3.4%	
40.7%	2,744	2,826	82	3.0%	
42.0%	2,733	2,795	62	2.3%	
43.2%	2,699	2,777	78	2.9%	
44.4%	2,699	2,755	56	2.1%	
45.7%	2,697	2,724	27	1.0%	
46.9%	2,666	2,710	44	1.7%	
48.1%	2,649	2,680	31	1.2%	
49.4%	2,632	2,676	45	1.7%	
50.6%	2,621	2,653	32	1.2%	
51.9%	2,581	2,648	66	2.6%	
53.1%	2,574	2,645	71	2.8%	
54.3%	2,554	2,604	50	2.0%	
55.6%	2,503	2,603	100	4.0%	
56.8%	2,496	2,535	39	1.6%	
58.0%	2,483	2,525	42	1.7%	
59.3%	2,461	2,497	35	1.4%	
60.5%	2,450	2,489	40	1.6%	
61.7%	2,427	2,482	55	2.3%	
63.0%	2,366	2,461	95	4.0%	
64.2%	2,344	2,409	65	2.8%	
65.4%	2,343	2,390	47	2.0%	
66.7%	2,311	2,367	57	2.5%	
67.9%	2,281	2,281	-0	-0.0%	
69.1%	2,216	2,239	23	1.1%	
70.4%	2,146	2,152	6	0.3%	
71.6%	2,134	2,147	14	0.6%	
72.8%					

**Figure SW-08-b**  
**Shasta Lake, End of Month Elevation**  
**Probability of Exceedance**

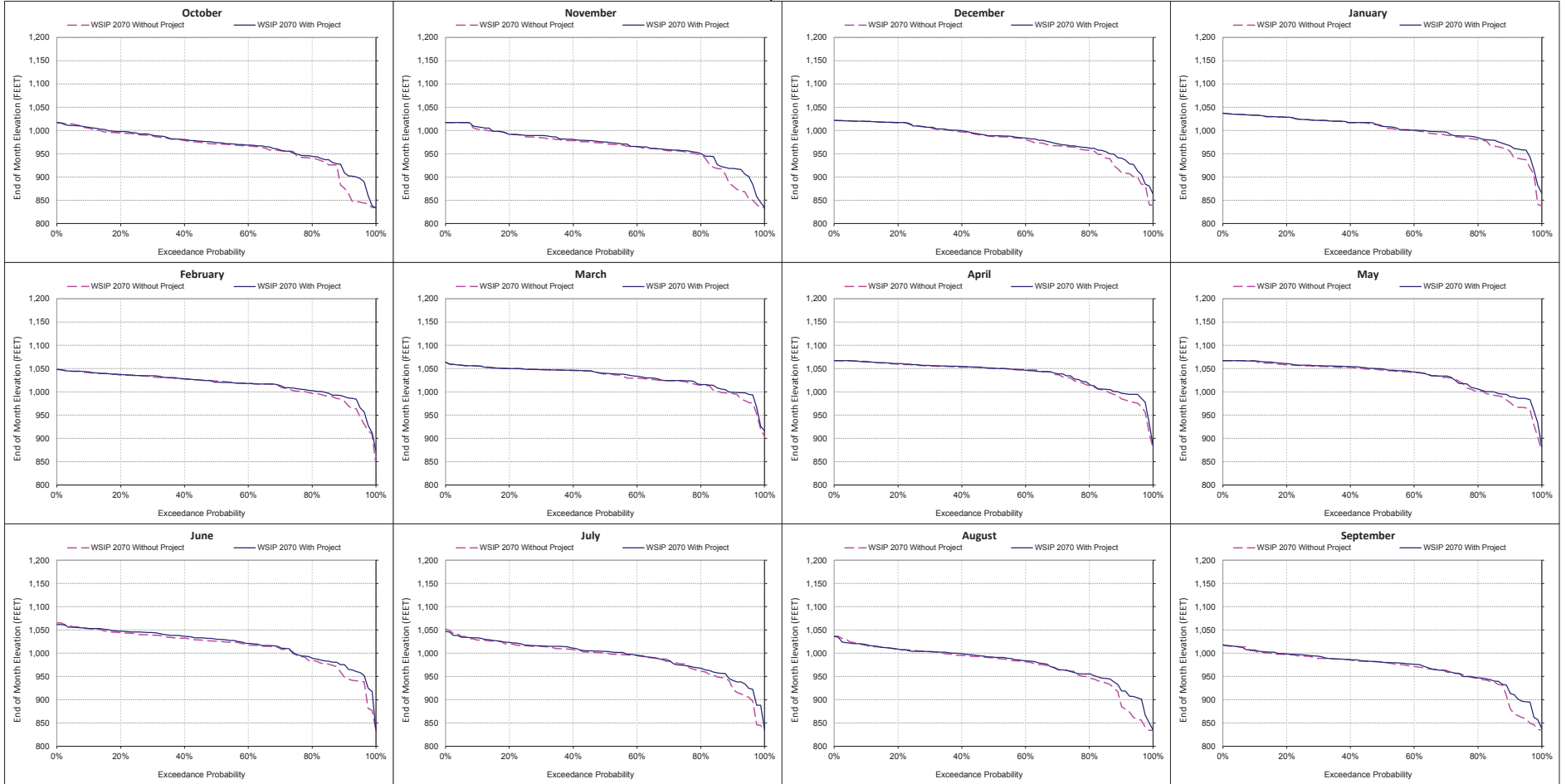


Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,017	1,017	0	0.0%	
1.2%	1,016	1,016	0	0.0%	
2.5%	1,015	1,013	-2	-0.2%	
3.7%	1,014	1,011	-3	-0.3%	
4.9%	1,014	1,011	-3	-0.3%	
6.2%	1,012	1,010	-2	-0.2%	
7.4%	1,011	1,010	-1	-0.1%	
8.6%	1,007	1,008	1	0.1%	
9.9%	1,005	1,007	2	0.2%	
11.1%	1,003	1,005	3	0.3%	
12.3%	1,001	1,004	4	0.4%	
13.6%	1,000	1,003	3	0.3%	
14.8%	997	1,002	5	0.5%	
16.0%	996	1,000	4	0.4%	
17.3%	996	999	3	0.3%	
18.5%	995	998	3	0.3%	
19.8%	995	998	3	0.3%	
21.0%	994	998	4	0.4%	
22.2%	994	997	4	0.4%	
23.5%	993	996	2	0.2%	
24.7%	992	995	3	0.3%	
25.9%	991	993	2	0.2%	
27.2%	990	993	2	0.2%	
28.4%	989	992	3	0.3%	
29.6%	989	990	1	0.1%	
30.9%	987	988	2	0.2%	
32.1%	986	988	3	0.3%	
33.3%	984	988	4	0.4%	
34.6%	983	985	2	0.2%	
35.8%	982	982	0	0.0%	
37.0%	981	982	2	0.0%	
38.3%	981	981	0	0.0%	
39.5%	979	981	2	0.2%	
40.7%	978	980	2	0.2%	
42.0%	977	979	2	0.2%	
43.2%	975	978	3	0.3%	
44.4%	975	977	2	0.2%	
45.7%	974	977	3	0.3%	
46.9%	972	976	4	0.4%	
48.1%	971	976	5	0.5%	
49.4%	971	974	3	0.3%	
50.6%	971	974	3	0.3%	
51.9%	971	973	3	0.3%	
53.1%	971	972	1	0.1%	
54.3%	970	971	2	0.2%	
55.6%	968	971	3	0.3%	
56.8%	968	970	2	0.2%	
58.0%	967	970	2	0.3%	
59.3%	967	969	2	0.2%	
60.5%	967	969	2	0.2%	
61.7%	966	968	3	0.3%	
63.0%	965	967	2	0.2%	
64.2%	963	967	4	0.4%	
65.4%	962	966	4	0.4%	
66.7%	958	965	7	0.7%	
67.9%	958	961	3	0.4%	
69.1%	958	960	3	0.3%	
70.4%	956	957	1	0.1%	
71.6%	956	955	-1	-0.1%	
72.8%	956	955	-1	-0.1%	
74.1%	955	951	-3	-0.4%	
75.3%	944	949	5	0.5%	
76.5%	942	946	4	0.4%	
77.8%	942	946	4	0.5%	
79.0%	941	946	5	0.5%	
80.2%	941	944	3	0.3%	
81.5%	938	944	5	0.6%	
82.7%	935	940	5	0.5%	
84.0%	932	937	5	0.6%	
85.2%	926	937	11	1.2%	
86.4%	926	931	5	0.5%	
87.7%	926	929	3	0.3%	
88.9%	883	928	45	5.1%	
90.1%	876	909	33	3.8%	
91.4%	865	903	38	4.4%	
92.6%	847	902	55	6.4%	
93.8%	847	900	53	6.3%	
95.1%	846	897	51	6.0%	
96.3%	844	889	45	5.4%	
97.5%	843	860	17	2.0%	
98.8%	834	838	4	0.5%	
100.0%	834	834	0	0.0%	

November					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,017	1,017	0	0.0%	
1.2%	1,017	1,017	0	0.0%	
2.5%	1,017	1,017	0	0.0%	
3.7%	1,017	1,017	0	0.0%	
4.9%	1,017	1,017	0	0.0%	
6.2%	1,017	1,017	0	0.0%	
7.4%	1,017	1,017	0	0.0%	
8.6%	1,006	1,010	4	0.4%	
9.9%	1,003	1,008	5	0.5%	
11.1%	1,001	1,007	6	0.6%	
12.3%	1,001	1,005	4	0.4%	
13.6%	999	1,005	6	0.6%	
14.8%	999	998	-1	-0.1%	
16.0%	998	998	0	0.0%	
17.3%	998	998	0	0.0%	
18.5%	996	995	-1	-0.1%	
19.8%	993	992	-1	-0.1%	
21.0%	992	991	0	0.0%	
22.2%	992	991	-1	-0.1%	
23.5%	990	991	1	0.1%	
24.7%	987	990	3	0.3%	
25.9%	986	989	3	0.3%	
27.2%	986	989	4	0.4%	
28.4%	986	989	4	0.4%	
29.6%	985	989	5	0.5%	
30.9%	984	989	5	0.5%	
32.1%	982	988	6	0.6%	
33.3%	982	987	5	0.5%	
34.6%	981	986	5	0.5%	
35.8%	980	982	2	0.2%	
37.0%	979	982	3	0.3%	
38.3%	978	981	3	0.3%	
39.5%	978	981	3	0.3%	
40.7%	978	980	2	0.2%	
42.0%	976	979	3	0.3%	
43.2%	976	979	3	0.3%	
44.4%	976	978	2	0.3%	
45.7%	975	978	3	0.3%	
46.9%	974	977	3	0.3%	
48.1%	973	976	3	0.3%	
49.4%	973	975	2	0.2%	
50.6%	971	975	4	0.4%	
51.9%	970	974	4	0.4%	
53.1%	970	973	4	0.4%	
54.3%	969	972	3	0.3%	
55.6%	968	971	3	0.3%	
56.8%	968	971	4	0.5%	
58.0%	966	966	0	0.0%	
59.3%	966	966	0	0.0%	
60.5%	965	965	0	0.0%	
61.7%	963	965	2	0.2%	
63.0%	962	965	2	0.3%	
64.2%	962	962	0	0.0%	
65.4%	961	961	0	0.0%	
66.7%	960	961	0	0.0%	
67.9%	959	960	1	0.1%	
69.1%	957	959	2	0.3%	
70.4%	956	958	2	0.2%	
71.6%	956	958	2	0.2%	
72.8%	956	958	2	0.2%	
74.1%	956	957	1	0.1%	
75.3%	954	957	3	0.3%	
76.5%	952	956	4	0.4%	
77.8%	951	954	3	0.3%	
79.0%	949	953	4	0.4%	
80.2%	948	950	2	0.3%	
81.5%	940	962	5	0.5%	
82.7%	927	944	17	1.9%	
84.0%	921	944	23	2.5%	
85.2%	918	926	8	0.9%	
86.4%	917	922	5	0.5%	
87.7%	906	921	15	1.6%	
88.9%	887	919	32	3.6%	
90.1%	880	919	38	4.3%	
91.4%	873	917	44	5.0%	
92.6%	870	916	46	5.3%	
93.8%	868	906	38	4.4%	
95.1%	853	901	49	5.7%	
96.3%	850	884	34	4.0%	
97.5%	841	858	17	2.0%	
98.8%	834	845	11	1.3%	
100.0%	834	834	0	0.0%	

December					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,022	1,022	0	0.0%	
1.2%	1,021	1,021	0	0.0%	
2.5%	1,021	1,021	0	0.0%	
3.7%	1,021	1,021	0	0.0%	
4.9%	1,021	1,021	0	0.0%	
6.2%	1,020	1,020	0	0.0%	
7.4%	1,020	1,020	0	0.0%	
8.6%	1,020	1,020	0	0.0%	
9.9%	1,020	1,020	0	0.0%	
11.1%	1,020	1,019	0	0.0%	
12.3%	1,019	1,019	-1	-0.1%	
13.6%	1,019	1,018	0	0.0%	
14.8%	1,018	1,018	0	0.0%	
16.0%	1,018	1,018	0	0.0%	
17.3%	1,018	1,018	0	0.0%	
18.5%	1,018	1,017	-1	-0.1%	
19.8%	1,017	1,017	0	0.0%	
21.0%	1,017	1,017	0	0.0%	
22.2%	1,017	1,017	0	0.0%	
23.5%	1,014	1,016	2	0.2%	
24.7%	1,013	1,010	-4	-0.3%	
25.9%	1,010	1,010	-1	-0.1%	
27.2%	1,008	1,009	1	0.1%	
28.4%	1,008	1,007	-1	-0.1%	
29.6%	1,008	1,007	-1	-0.1%	
30.9%	1,004	1,007	3	0.3%	
32.1%	1,003	1,004	1	0.1%	
33.3%	1,003	1,003	1	0.1%	
34.6%	1,002	1,003	1	0.1%	
35.8%	1,001	1,001	0	0.0%	
37.0%	1,000	1,000	0	0.0%	
38.3%	998	1,000	3	0.3%	
39.5%	997	1,000	3	0.3%	
40.7%	996	999	3	0.3%	
42.0%	997	1,001	4	0.4%	
43.2%	994	995	1	0.1%	
44.4%	992	994	2	0.2%	
45.7%	991	992	1	0.1%	
46.9%	990	991	1	0.1%	
48.1%	988	989	0	0.0%	
49.4%	989	989	0	0.0%	
50.6%	987	988	2	0.2%	
51.9%	987	988	2	0.2%	
53.1%	986	988	2	0.2%	
54.3%	986	988	2	0.2%	
55.6%	986	987	2	0.2%	
56.8%	984	986	2	0.2%	
58.0%	984	985	1	0.1%	
59.3%	983	984	1	0.1%	
60.5%	979	983	4	0.4%	
61.7%	977	982	5	0.5%	
63.0%	973	982	8	0.8%	
64.2%	973	979	6	0.6%	
65.4%	973	979	6	0.6%	
66.7%	970	977	7	0.7%	
67.9%	967	975	7	0.8%	
69.1%	967	973	6	0.6%	
70.4%	967	971	4	0.4%	
71.6%	966	969	3	0.4%	
72.8%	966	969	3	0.4%	
74.1%	965	967	3	0.3%	
75.3%	964	967	3	0.3%	
76.5%	960	965	6	0.6%	
77.8%	959	964	5	0.5%	
79.0%	958	963	5	0.6%	
80.2%	958	962	4	0.4%	
81.5%	956	962	6	0.6%	
82.7%	949	958	9	1.0%	
84.0%	948	957	9	0.9%	
85.2%	940	954	14	1.5%	
86.4%	940	950	10	1.1%	
87.7%	925	949	25	2.7%	
88.9%	918	941	23	2.5%	
90.1%	908	941	32	3.5%	
91.4%	908	936	28	3.1%	
92.6%	907	928	21	2.3%	
93.8%	901	927	26	2.9%	
95.1%	901	913	12	1.4%	

Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,048		0	0.0%	
1.2%	1,047	1,047	0	0.0%	
2.5%	1,047	1,045	-1	-0.1%	
3.7%	1,045	1,045	0	0.0%	
4.9%	1,044	1,044	0	0.0%	
6.2%	1,044	1,044	0	0.0%	
7.4%	1,044	1,044	0	0.0%	
8.6%	1,042	1,044	2	0.2%	
9.9%	1,041	1,043	2	0.2%	
11.1%	1,041	1,042	1	0.1%	
12.3%	1,040	1,041	1	0.1%	
13.6%	1,040	1,040	0	0.0%	
14.8%	1,039	1,040	0	0.0%	
16.0%	1,039	1,039	0	0.0%	
17.3%	1,038	1,038	0	0.0%	
18.5%	1,038	1,038	0	0.0%	
19.8%	1,036	1,037	1	0.1%	
21.0%	1,036	1,037	0	0.0%	
22.2%	1,036	1,036	0	0.0%	
23.5%	1,035	1,036	1	0.1%	
24.7%	1,035	1,035	0	0.0%	
25.9%	1,035	1,035	0	0.0%	
27.2%	1,034	1,035	0	0.0%	
28.4%	1,034	1,034	1	0.1%	
29.6%	1,032	1,034	3	0.3%	
30.9%	1,032	1,034	3	0.3%	
32.1%	1,031	1,034	3	0.3%	
33.3%	1,031	1,032	0	0.0%	
34.6%	1,030	1,031	0	0.0%	
35.8%	1,030	1,031	1	0.1%	
37.0%	1,029	1,030	1	0.1%	
38.3%	1,028	1,029	1	0.1%	
39.5%	1,028	1,028	1	0.1%	
40.7%	1,027	1,028	1	0.1%	
42.0%	1,027	1,027	0	0.0%	
43.2%	1,026	1,026	0	0.0%	
44.4%	1,026	1,026	0	0.0%	
45.7%	1,025	1,025	0	0.0%	
46.9%	1,024	1,024	0	0.0%	
48.1%	1,024	1,024	0	0.0%	
49.4%	1,024	1,021	-3	-0.3%	
50.6%	1,023	1,021	-3	-0.3%	
51.9%	1,023	1,021	-2	-0.2%	
53.1%	1,022	1,021	-1	-0.1%	
54.3%	1,021	1,020	0	0.0%	
55.6%	1,019	1,019	0	0.0%	
56.8%	1,019	1,019	0	0.0%	
58.0%	1,019	1,019	0	0.0%	
59.3%	1,019	1,018	0	0.0%	
60.5%	1,018	1,018	0	0.0%	
61.7%	1,017	1,018	1	0.1%	
63.0%	1,017	1,017	0	0.0%	
64.2%	1,017	1,017	0	0.0%	
65.4%	1,017	1,017	0	0.0%	
66.7%	1,017	1,017	0	0.0%	
67.9%	1,016	1,017	1	0.1%	
69.1%	1,015	1,015	0	0.0%	
70.4%	1,009	1,013	4	0.4%	
71.6%	1,008	1,009	1	0.1%	
72.8%	1,006	1,009	3	0.3%	
74.1%	1,002	1,009	6	0.6%	
75.3%	1,001	1,007	5	0.5%	
76.5%	1,000	1,005	5	0.5%	
77.8%	1,000	1,005	5	0.5%	
79.0%	998	1,003	5	0.5%	
80.2%	996	1,003	6	0.6%	
81.5%	996	1,001	5	0.5%	
82.7%	994	1,001	7	0.7%	
84.0%	992	999	7	0.7%	
85.2%	990	997	6	0.7%	
86.4%	990	993	4	0.4%	
87.7%	986	993	7	0.8%	
88.9%	985	992	7	0.7%	
90.1%	980	989	9	1.0%	
91.4%	970	987	17	2.1%	
92.6%	964	986	22	2.3%	
93.8%	964	984	21	2.1%	
95.1%	945	966	21	2.2%	
96.3%	931	957	26	2.8%	
97.5%	917	928	11	1.2%	
98.8%	909	912	3	0.3%	
100.0%	843	873	29	3.5%	

March					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,064	1,064	0	0.0%	
1.2%	1,060	1,060	0	0.0%	
2.5%	1,059	1,059	0	0.0%	
3.7%	1,058	1,058	0	0.0%	
4.9%	1,057	1,057	0	0.0%	
6.2%	1,056	1,056	0	0.0%	
7.4%	1,056	1,056	0	0.0%	
8.6%	1,056	1,056	0	0.0%	
9.9%	1,055	1,055	0	0.0%	
11.1%	1,055	1,055	0	0.0%	
12.3%	1,054	1,053	-1	-0.1%	
13.6%	1,053	1,052	-1	-0.1%	
14.8%	1,052	1,051	-1	-0.1%	
16.0%	1,051	1,051	0	0.0%	
17.3%	1,051	1,051	0	0.0%	
18.5%	1,051	1,050	-1	-0.1%	
19.8%	1,050	1,050	0	0.0%	
21.0%	1,050	1,050	0	0.0%	
22.2%	1,050	1,050	0	0.0%	
23.5%	1,050	1,050	0	0.0%	
24.7%	1,049	1,049	-1	-0.1%	
25.9%	1,048	1,048	0	0.0%	
27.2%	1,048	1,048	0	0.0%	
28.4%	1,048	1,048	0	0.0%	
29.6%	1,048	1,048	0	0.0%	
30.9%	1,048	1,058	10	1.0%	
32.1%	1,047	1,048	0	0.0%	
33.3%	1,047	1,047	0	0.0%	
34.6%	1,047	1,047	0	0.0%	
35.8%	1,047	1,047	0	0.0%	
37.0%	1,047	1,047	0	0.0%	
38.3%	1,046	1,047	0	0.0%	
39.5%	1,046	1,046	0	0.0%	
40.7%	1,046	1,046	0	0.0%	
42.0%	1,046	1,046	0	0.0%	
43.2%	1,045	1,046	0	0.0%	
44.4%	1,045	1,045	0	0.0%	
45.7%	1,045	1,045	0	0.0%	
46.9%	1,043	1,043	0	0.0%	
48.1%	1,041	1,041	0	0.0%	
49.4%	1,040	1,040	2	0.2%	
50.6%	1,038	1,040	2	0.2%	
51.9%	1,038	1,039	1	0.1%	
53.1%	1,036	1,039	2	0.2%	
54.3%	1,036	1,038	2	0.2%	
55.6%	1,034	1,038	4	0.4%	
56.8%	1,030	1,037	7	0.7%	
58.0%	1,029	1,035	6	0.6%	
59.3%	1,029	1,034	5	0.5%	
60.5%	1,029	1,033	4	0.4%	
61.7%	1,029	1,032	3	0.3%	
63.0%	1,028	1,030	2	0.2%	
64.2%	1,027	1,030	3	0.3%	
65.4%	1,026	1,029	3	0.3%	
66.7%	1,025	1,028	3	0.3%	
67.9%	1,024	1,025	1	0.1%	
69.1%	1,024	1,024	0	0.0%	
70.4%	1,024	1,024	0	0.0%	
71.6%	1,024	1,024	0	0.0%	
72.8%	1,024	1,024	0	0.0%	
74.1%	1,023	1,024	1	0.1%	
75.3%	1,022	1,024	2	0.2%	
76.5%	1,018	1,024	6	0.6%	
77.8%	1,017	1,022	5	0.5%	
79.0%	1,015	1,017	2	0.2%	
80.2%	1,014	1,016	1	0.1%	
81.5%	1,014	1,016	2	0.2%	
82.7%	1,013	1,015	1	0.1%	
84.0%	1,003	1,014	11	1.1%	
85.2%	1,001	1,008	7	0.7%	
86.4%	999	1,006	8	0.8%	
87.7%	998	1,005	7	0.7%	
88.9%	997	1,000	3	0.3%	
90.1%	999	999	3	0.3%	
91.4%	994	999	4	0.4%	
92.6%	984	998	14	1.4%	
93.8%	981	998	17	1.7%	
95.1%	977	995	18	1.8%	
96.3%	976	993	17	1.8%	
97.5%	952	967	15	1.5%	
98.8%	920	926	7	0.7%	
100.0%	904	916	12	1.3%	

April					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,067	1,067	0	0.0%	
1.2%	1,067	1,067	0	0.0%	
2.5%	1,067	1,067	0	0.0%	
3.7%	1,067	1,067	0	0.0%	
4.9%	1,067	1,067	0	0.0%	
6.2%	1,066	1,067	0	0.0%	
7.4%	1,066	1,066	0	0.0%	
8.6%	1,066	1,066	-1	-0.1%	
9.9%	1,066	1,064	-1	-0.1%	
11.1%	1,064	1,064	0	0.0%	
12.3%	1,064	1,064	0	0.0%	
13.6%	1,063	1,063	0	0.0%	
14.8%	1,062	1,063	0	0.0%	
16.0%	1,062	1,062	0	0.0%	
17.3%	1,061	1,062	1	0.1%	
18.5%	1,060	1,061	1	0.1%	
19.8%	1,060	1,061	1	0.1%	
21.0%	1,059	1,061	1	0.1%	
22.2%	1,059	1,060	1	0.1%	
23.5%	1,059	1,060	1	0.1%	
24.7%	1,058	1,058	1	0.1%	
25.9%	1,058	1,058	1	0.1%	
27.2%	1,056	1,058	1	0.1%	
28.4%	1,056	1,057	0	0.0%	
29.6%	1,056	1,057	0	0.0%	
30.9%	1,056	1,056	1	0.1%	
32.1%	1,055	1,056	1	0.1%	
33.3%	1,055	1,056	1	0.1%	
34.6%	1,055	1,055	1	0.1%	
35.8%	1,055	1,055	1	0.1%	
37.0%	1,054	1,055	1	0.1%	
38.3%	1,053	1,055	2	0.2%	
39.5%	1,053	1,055	1	0.1%	
40.7%	1,053	1,055	1	0.1%	
42.0%	1,053	1,054	1	0.1%	
43.2%	1,053	1,054	1	0.1%	
44.4%	1,053	1,053	1	0.1%	
45.7%	1,052	1,053	1	0.1%	
46.9%	1,052	1,052	1	0.1%	
48.1%	1,051	1,051	0	0.0%	
49.4%	1,051	1,051	-1	-0.1%	
50.6%	1,051	1,051	0	0.0%	
51.9%	1,051	1,050	0	0.0%	
53.1%	1,050	1,050	0	0.0%	
54.3%	1,050	1,049	-1	-0.1%	
55.6%	1,049	1,049	0	0.0%	
56.8%	1,049	1,048	-2	-0.2%	
58.0%	1,048	1,047	-1	-0.1%	
59.3%	1,048	1,047	-1	-0.1%	
60.5%	1,047	1,046	-1	-0.1%	
61.7%	1,047	1,045	-2	-0.2%	
63.0%	1,047	1,045	-3	-0.3%	
64.2%	1,045	1,044	-2	-0.2%	
65.4%	1,043	1,044	0	0.0%	
66.7%	1,043	1,043	0	0.0%	
67.9%	1,042	1,043	1	0.1%	
69.1%	1,037	1,040	3	0.3%	
70.4%	1,037	1,039	2	0.2%	
71.6%	1,032	1,038	6	0.6%	
72.8%	1,030	1,035	4	0.4%	
74.1%	1,030	1,034	4	0.4%	
75.3%	1,024	1,028	4	0.4%	
76.5%	1,022	1,027	5	0.5%	
77.8%	1,019	1,023	4	0.3%	
79.0%	1,015	1,022	6	0.6%	
80.2%	1,013	1,015	2	0.2%	
81.5%					

Table SW-08-b  
Shasta Lake, End of Month Elevation  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,065	1,062	-3	-0.3%	
1.2%	1,065	1,062	-4	-0.3%	
2.5%	1,062	1,060	-1	-0.1%	
3.7%	1,060	1,056	-4	-0.4%	
4.9%	1,057	1,056	-1	-0.1%	
6.2%	1,057	1,056	-1	-0.1%	
7.4%	1,056	1,055	-1	-0.1%	
8.6%	1,054	1,054	0	0.0%	
9.9%	1,053	1,053	0	0.0%	
11.1%	1,052	1,053	1	0.1%	
12.3%	1,052	1,053	1	0.1%	
13.6%	1,051	1,053	2	0.2%	
14.8%	1,048	1,052	4	0.4%	
16.0%	1,047	1,051	3	0.3%	
17.3%	1,045	1,049	4	0.3%	
18.5%	1,045	1,048	3	0.3%	
19.8%	1,044	1,047	3	0.3%	
21.0%	1,043	1,047	3	0.3%	
22.2%	1,043	1,046	3	0.3%	
23.5%	1,043	1,046	3	0.3%	
24.7%	1,042	1,046	4	0.4%	
25.9%	1,040	1,045	5	0.5%	
27.2%	1,040	1,045	5	0.5%	
28.4%	1,040	1,044	5	0.5%	
29.6%	1,039	1,044	5	0.5%	
30.9%	1,039	1,044	5	0.5%	
32.1%	1,038	1,042	4	0.4%	
33.3%	1,037	1,041	4	0.4%	
34.6%	1,035	1,039	5	0.5%	
35.8%	1,034	1,038	5	0.5%	
37.0%	1,033	1,038	5	0.5%	
38.3%	1,032	1,038	6	0.5%	
39.5%	1,032	1,036	4	0.4%	
40.7%	1,032	1,036	4	0.4%	
42.0%	1,030	1,035	5	0.5%	
43.2%	1,029	1,033	4	0.4%	
44.4%	1,028	1,033	4	0.4%	
45.7%	1,028	1,033	5	0.5%	
46.9%	1,027	1,032	5	0.5%	
48.1%	1,026	1,032	5	0.5%	
49.4%	1,026	1,031	4	0.4%	
50.6%	1,025	1,030	5	0.5%	
51.9%	1,025	1,030	5	0.5%	
53.1%	1,024	1,028	4	0.4%	
54.3%	1,024	1,028	4	0.4%	
55.6%	1,023	1,028	4	0.4%	
56.8%	1,023	1,025	2	0.2%	
58.0%	1,021	1,024	3	0.3%	
59.3%	1,019	1,021	2	0.2%	
60.5%	1,017	1,021	4	0.4%	
61.7%	1,017	1,020	3	0.3%	
63.0%	1,017	1,020	3	0.3%	
64.2%	1,015	1,016	1	0.1%	
65.4%	1,015	1,016	2	0.2%	
66.7%	1,015	1,016	2	0.2%	
67.9%	1,014	1,016	2	0.2%	
69.1%	1,013	1,015	2	0.2%	
70.4%	1,008	1,011	2	0.2%	
71.6%	1,008	1,010	2	0.2%	
72.8%	1,007	1,010	3	0.3%	
74.1%	1,002	999	-4	-0.4%	
75.3%	995	997	3	0.3%	
76.5%	993	994	1	0.1%	
77.8%	991	994	3	0.3%	
79.0%	984	993	9	0.9%	
80.2%	984	989	5	0.5%	
81.5%	983	987	5	0.5%	
82.7%	978	985	7	0.7%	
84.0%	978	984	5	0.6%	
85.2%	977	983	7	0.7%	
86.4%	974	981	7	0.7%	
87.7%	971	980	9	1.0%	
88.9%	960	976	16	1.7%	
90.1%	949	975	27	2.8%	
91.4%	944	965	21	2.2%	
92.6%	941	964	22	2.4%	
93.8%	941	961	20	2.1%	
95.1%	940	958	18	1.9%	
96.3%	938	952	14	1.5%	
97.5%	931	925	-6	-0.6%	
98.8%	877	918	40	4.6%	
100.0%	834	834	0	0.0%	

July					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,052	1,047	-5	-0.5%	
1.2%	1,049	1,045	-4	-0.4%	
2.5%	1,042	1,038	-4	-0.4%	
3.7%	1,041	1,038	-4	-0.4%	
4.9%	1,036	1,034	-2	-0.2%	
6.2%	1,036	1,034	-2	-0.2%	
7.4%	1,031	1,034	3	0.3%	
8.6%	1,031	1,033	2	0.2%	
9.9%	1,028	1,033	5	0.5%	
11.1%	1,028	1,032	4	0.4%	
12.3%	1,028	1,030	2	0.2%	
13.6%	1,027	1,029	3	0.2%	
14.8%	1,026	1,027	1	0.1%	
16.0%	1,026	1,027	3	0.3%	
17.3%	1,026	1,025	-1	-0.1%	
18.5%	1,020	1,024	3	0.3%	
19.8%	1,020	1,024	4	0.4%	
21.0%	1,020	1,022	2	0.2%	
22.2%	1,017	1,021	4	0.4%	
23.5%	1,017	1,021	4	0.4%	
24.7%	1,016	1,018	2	0.2%	
25.9%	1,016	1,017	1	0.1%	
27.2%	1,015	1,017	2	0.2%	
28.4%	1,015	1,016	1	0.1%	
29.6%	1,015	1,016	1	0.1%	
30.9%	1,014	1,016	2	0.2%	
32.1%	1,014	1,015	1	0.1%	
33.3%	1,012	1,015	2	0.2%	
34.6%	1,010	1,015	5	0.5%	
35.8%	1,010	1,015	5	0.5%	
37.0%	1,009	1,014	5	0.5%	
38.3%	1,009	1,014	5	0.5%	
39.5%	1,008	1,011	3	0.3%	
40.7%	1,007	1,010	4	0.4%	
42.0%	1,007	1,007	1	0.1%	
43.2%	1,003	1,006	3	0.3%	
44.4%	1,002	1,005	3	0.3%	
45.7%	1,002	1,005	3	0.3%	
46.9%	1,002	1,005	3	0.3%	
48.1%	1,001	1,004	3	0.3%	
49.4%	1,000	1,004	4	0.4%	
50.6%	1,000	1,004	3	0.3%	
51.9%	998	1,003	5	0.5%	
53.1%	998	1,002	4	0.4%	
54.3%	997	1,002	5	0.5%	
55.6%	997	1,002	5	0.5%	
56.8%	997	998	1	0.1%	
58.0%	996	998	2	0.2%	
59.3%	996	997	1	0.1%	
60.5%	994	995	1	0.1%	
61.7%	993	995	2	0.2%	
63.0%	991	992	1	0.1%	
64.2%	990	992	1	0.1%	
65.4%	990	990	1	0.1%	
66.7%	988	989	1	0.1%	
67.9%	988	986	-2	-0.2%	
69.1%	987	983	-4	-0.4%	
70.4%	983	983	0	0.0%	
71.6%	980	977	-3	-0.3%	
72.8%	978	975	-4	-0.4%	
74.1%	977	974	-3	-0.3%	
75.3%	977	973	-4	-0.4%	
76.5%	968	972	3	0.3%	
77.8%	965	970	4	0.5%	
79.0%	963	968	6	0.6%	
80.2%	961	968	6	0.7%	
81.5%	960	964	4	0.5%	
82.7%	954	963	8	0.9%	
84.0%	953	959	7	0.7%	
85.2%	936	946	9	0.9%	
86.4%	948	957	9	1.0%	
87.7%	946	956	10	1.1%	
88.9%	941	946	5	0.5%	
90.1%	922	941	19	2.1%	
91.4%	915	939	23	2.5%	
92.6%	913	938	26	2.8%	
93.8%	908	934	26	2.8%	
95.1%	905	925	19	2.1%	
96.3%	897	923	26	2.9%	
97.5%	848	848	42	5.0%	
98.8%	845	888	43	5.1%	
100.0%	834	834	0	0.0%	

August					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,036	1,036	0	0.0%	
1.2%	1,036	1,036	-2	-0.2%	
2.5%	1,032	1,024	-8	-0.7%	
3.7%	1,031	1,023	-8	-0.8%	
4.9%	1,024	1,022	-2	-0.2%	
6.2%	1,023	1,021	-2	-0.2%	
7.4%	1,022	1,020	-1	-0.1%	
8.6%	1,018	1,020	1	0.1%	
9.9%	1,017	1,019	2	0.2%	
11.1%	1,015	1,017	2	0.2%	
12.3%	1,014	1,015	1	0.1%	
13.6%	1,014	1,015	1	0.1%	
14.8%	1,013	1,013	0	0.0%	
16.0%	1,013	1,012	0	0.0%	
17.3%	1,011	1,011	1	0.1%	
18.5%	1,010	1,010	0	0.0%	
19.8%	1,008	1,009	1	0.1%	
21.0%	1,007	1,008	0	0.0%	
22.2%	1,007	1,007	0	0.0%	
23.5%	1,007	1,005	-2	-0.2%	
24.7%	1,006	1,004	-2	-0.2%	
25.9%	1,005	1,004	-1	-0.1%	
27.2%	1,005	1,004	-1	-0.1%	
28.4%	1,004	1,004	0	0.0%	
29.6%	1,004	1,003	0	0.0%	
30.9%	1,003	1,003	-1	-0.1%	
32.1%	1,002	1,003	0	0.0%	
33.3%	1,002	1,003	1	0.1%	
34.6%	999	1,002	3	0.3%	
35.8%	998	1,001	3	0.3%	
37.0%	998	1,000	2	0.2%	
38.3%	996	1,000	4	0.4%	
39.5%	995	999	4	0.4%	
40.7%	995	998	4	0.4%	
42.0%	997	997	3	0.3%	
43.2%	993	996	3	0.3%	
44.4%	993	995	2	0.2%	
45.7%	993	994	1	0.1%	
46.9%	992	993	2	0.2%	
48.1%	991	992	1	0.1%	
49.4%	990	992	2	0.2%	
50.6%	990	991	1	0.1%	
51.9%	988	991	3	0.3%	
53.1%	988	991	3	0.3%	
54.3%	987	989	2	0.2%	
55.6%	984	989	4	0.5%	
56.8%	984	988	2	0.2%	
58.0%	983	985	2	0.2%	
59.3%	982	984	2	0.2%	
60.5%	981	984	2	0.2%	
61.7%	980	983	3	0.3%	
63.0%	977	982	5	0.6%	
64.2%	975	979	4	0.4%	
65.4%	975	978	3	0.3%	
66.7%	973	977	3	0.3%	
67.9%	972	971	-1	-0.1%	
69.1%	968	969	1	0.1%	
70.4%	964	964	0	0.0%	
71.6%	963	964	1	0.1%	
72.8%	963	964	1	0.1%	
74.1%	961	961	-1	-0.1%	
75.3%	961	958	-3	-0.3%	
76.5%	953	956	3	0.3%	
77.8%	950	956	5	0.5%	
79.0%	950	955	5	0.6%	
80.2%	946	955	9	1.0%	
81.5%	945	951	7	0.7%	
82.7%	941	949	8	0.9%	
84.0%	939	946	7	0.7%	
85.2%	936	946	10	1.0%	
86.4%	933	944	11	1.2%	
87.7%	925	938	13	1.4	

Figure SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

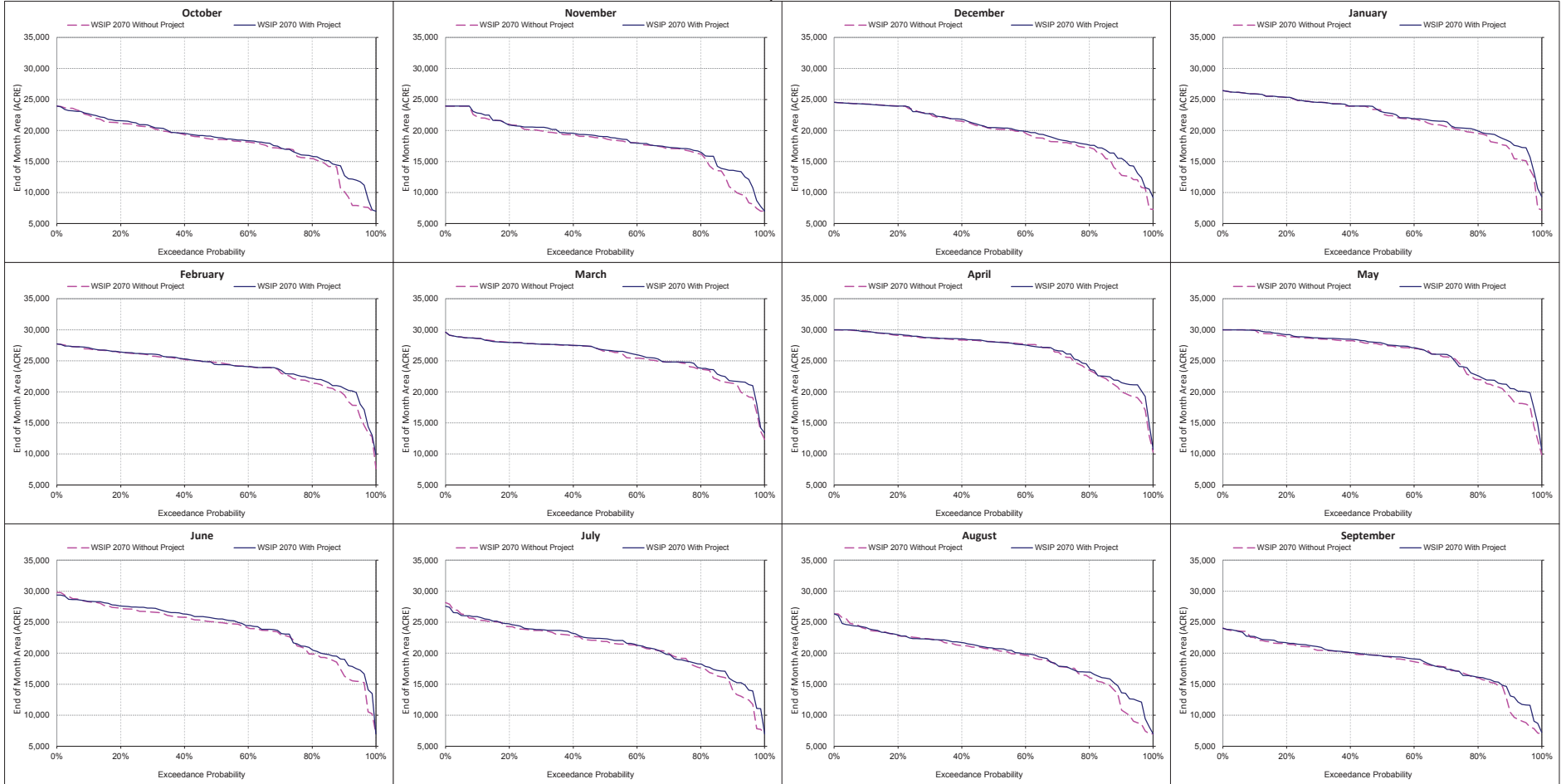


Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,870	23,821	-49	-0.2%
2.5%	23,659	23,392	-268	-1.1%
3.7%	23,608	23,222	-386	-1.6%
4.9%	23,573	23,193	-380	-1.6%
6.2%	23,324	23,095	-229	-1.0%
7.4%	23,144	23,068	-76	-0.3%
8.6%	22,657	22,810	153	0.7%
9.9%	22,496	22,710	214	1.0%
11.1%	22,191	22,522	331	1.5%
12.3%	21,935	22,396	461	2.1%
13.6%	21,825	22,197	372	1.7%
14.8%	21,466	22,104	638	3.0%
16.0%	21,354	21,814	460	2.2%
17.3%	21,315	21,735	420	2.0%
18.5%	21,283	21,601	319	1.5%
19.8%	21,185	21,599	414	2.0%
21.0%	21,103	21,553	450	2.1%
22.2%	21,076	21,520	444	2.1%
23.5%	21,037	21,324	287	1.4%
24.7%	20,828	21,240	411	2.0%
25.9%	20,706	20,965	259	1.3%
27.2%	20,651	20,945	294	1.4%
28.4%	20,605	20,919	315	1.5%
29.6%	20,521	20,667	146	0.7%
30.9%	20,203	20,422	219	1.1%
32.1%	20,080	20,393	314	1.6%
33.3%	19,902	20,342	440	2.2%
34.6%	19,833	20,056	224	1.1%
35.8%	19,678	19,701	23	0.1%
37.0%	19,641	19,673	32	0.2%
38.3%	19,600	19,596	-4	0.0%
39.5%	19,397	19,581	184	0.9%
40.7%	19,246	19,478	232	1.2%
42.0%	19,150	19,545	395	2.1%
43.2%	19,023	19,296	273	1.4%
44.4%	18,996	19,189	194	1.0%
45.7%	18,862	19,175	313	1.7%
46.9%	18,722	19,108	385	2.1%
48.1%	18,614	19,098	483	2.6%
49.4%	18,586	19,015	429	2.3%
50.6%	18,559	18,857	298	1.6%
51.9%	18,533	18,821	288	1.6%
53.1%	18,521	18,639	118	0.6%
54.3%	18,440	18,614	174	0.9%
55.6%	18,302	18,559	257	1.4%
56.8%	18,276	18,462	186	1.0%
58.0%	18,200	18,453	254	1.4%
59.3%	18,164	18,357	193	1.1%
60.5%	18,118	18,318	200	1.1%
61.7%	18,019	18,280	261	1.4%
63.0%	17,988	18,184	196	1.1%
64.2%	17,776	18,142	366	2.1%
65.4%	17,604	18,010	406	2.3%
66.7%	17,230	17,945	715	4.1%
67.9%	17,213	17,567	355	2.1%
69.1%	17,194	17,478	283	1.6%
70.4%	17,068	17,152	83	0.5%
71.6%	17,045	16,984	-61	-0.4%
72.8%	17,038	16,982	-57	-0.3%
74.1%	16,902	16,561	-342	-2.0%
75.3%	16,819	16,339	-480	-2.8%
76.5%	16,637	16,060	-577	-3.5%
77.8%	16,589	16,027	-562	-3.4%
79.0%	16,599	16,001	-598	-3.6%
80.2%	16,487	15,803	-684	-4.2%
81.5%	16,211	15,772	-439	-2.7%
82.7%	14,973	15,440	467	3.1%
84.0%	14,704	15,144	440	3.0%
85.2%	14,199	15,144	946	6.7%
86.4%	14,194	14,600	406	2.9%
87.7%	14,169	14,435	266	1.9%
88.9%	10,665	14,326	3,660	34.3%
90.1%	10,122	12,735	2,613	25.8%
91.4%	9,257	12,231	2,974	32.1%
92.6%	7,917	12,155	4,237	53.5%
93.8%	7,915	12,020	4,105	51.9%
95.1%	7,828	11,742	3,914	50.0%
96.3%	7,661	11,173	3,513	45.5%
97.5%	7,590	9,874	2,284	30.2%
98.8%	7,002	7,219	217	3.1%
100.0%	7,002	7,002	0	0.0%

Percent Exceedance Probability (%)	November				
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%	0.0%
1.2%	23,937	23,937	0	0.0%	0.0%
2.5%	23,937	23,937	0	0.0%	0.0%
3.7%	23,937	23,937	0	0.0%	0.0%
4.9%	23,937	23,937	0	0.0%	0.0%
6.2%	23,937	23,937	0	0.0%	0.0%
7.4%	23,937	23,937	0	0.0%	0.0%
8.6%	22,565	23,075	508	2.3%	2.3%
9.9%	22,225	22,829	604	2.7%	2.7%
11.1%	22,016	22,725	709	3.2%	3.2%
12.3%	22,007	22,503	496	2.3%	2.3%
13.6%	21,784	22,487	703	3.2%	3.2%
14.8%	21,712	21,619	-93	-0.4%	-0.4%
16.0%	21,619	21,610	-8	0.0%	0.0%
17.3%	21,572	21,586	14	0.1%	0.1%
18.5%	21,334	21,264	-70	-0.3%	-0.3%
19.8%	21,013	20,902	-111	-0.5%	-0.5%
21.0%	20,858	20,798	-60	-0.3%	-0.3%
22.2%	20,841	20,841	0	0.0%	0.0%
23.5%	20,602	20,706	104	0.5%	0.5%
24.7%	20,199	20,575	377	1.9%	1.9%
25.9%	20,133	20,547	415	2.1%	2.1%
27.2%	20,106	20,544	439	2.2%	2.2%
28.4%	20,083	20,537	455	2.3%	2.3%
29.6%	19,963	20,524	561	2.8%	2.8%
30.9%	19,888	20,502	614	3.1%	3.1%
32.1%	19,718	20,375	657	3.3%	3.3%
33.3%	19,697	20,197	499	2.5%	2.5%
34.6%	19,594	20,158	564	2.9%	2.9%
35.8%	19,531	19,854	323	1.6%	1.6%
37.0%	19,338	19,646	307	1.6%	1.6%
38.3%	19,331	19,595	265	1.4%	1.4%
39.5%	19,319	19,586	267	1.4%	1.4%
40.7%	19,288	19,497	209	1.1%	1.1%
42.0%	19,066	19,374	308	1.6%	1.6%
43.2%	19,059	19,364	305	1.6%	1.6%
44.4%	19,058	19,311	253	1.3%	1.3%
45.7%	18,984	19,296	312	1.6%	1.6%
46.9%	18,868	19,186	318	1.7%	1.7%
48.1%	18,819	19,080	261	1.4%	1.4%
49.4%	18,812	19,012	200	1.1%	1.1%
50.6%	18,606	18,999	393	2.1%	2.1%
51.9%	18,468	18,854	385	2.1%	2.1%
53.1%	18,425	18,807	382	2.1%	2.1%
54.3%	18,357	18,687	330	1.8%	1.8%
55.6%	18,293	18,598	297	1.6%	1.6%
56.8%	18,110	18,565	455	2.5%	2.5%
58.0%	18,046	18,022	-24	-0.1%	-0.1%
59.3%	18,019	18,014	-5	0.0%	0.0%
60.5%	17,978	17,960	-18	-0.1%	-0.1%
61.7%	17,711	17,917	206	1.2%	1.2%
63.0%	17,666	17,913	247	1.4%	1.4%
64.2%	17,623	17,659	36	0.2%	0.2%
65.4%	17,595	17,555	-39	-0.2%	-0.2%
66.7%	17,470	17,512	42	0.2%	0.2%
67.9%	17,349	17,473	124	0.7%	0.7%
69.1%	17,118	17,367	248	1.5%	1.5%
70.4%	17,084	17,262	177	1.0%	1.0%
71.6%	17,072	17,230	158	0.9%	0.9%
72.8%	17,069	17,200	131	0.8%	0.8%
74.1%	17,003	17,104	102	0.6%	0.6%
75.3%	16,820	17,091	272	1.6%	1.6%
76.5%	16,680	17,014	334	2.0%	2.0%
77.8%	16,483	16,804	321	2.0%	2.0%
79.0%	16,301	16,691	390	2.4%	2.4%
80.2%	16,183	16,434	251	1.6%	1.6%
81.5%	15,409	15,912	503	3.3%	3.3%
82.7%	14,285	15,860	1,575	11.0%	11.0%
84.0%	13,751	15,832	2,081	15.1%	15.1%
85.2%	13,534	14,230	696	5.1%	5.1%
86.4%	13,473	13,889	416	3.1%	3.1%
87.7%	12,501	13,737	1,237	9.9%	9.9%
88.9%	10,965	13,571	2,606	23.8%	23.8%
90.1%	10,483	13,563	3,081	29.4%	29.4%
91.4%	9,942	13,521	3,579	35.4%	35.4%
92.6%	9,697	13,351	3,654	37.7%	37.7%
93.8%	9,535	12,513	2,978	31.2%	31.2%
95.1%	8,334	12,120	3,786	45.4%	45.4%
96.3%	8,123	10,785	2,662	32.8%	32.8%
97.5%	7,874	8,724	850	10.8%	10.8%
98.8%	7,002	7,752	750	10.7%	10.7%
100.0%	7,002	7,002	0	0.0%	0.0%

Percent Exceedance Probability (%)	December				
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Relative Difference (%)
0.0%	24,555	24,555	0	0.0%	0.0%
1.2%	24,482	24,482	0	0.0%	0.0%
2.5%	24,455	24,455	0	0.0%	0.0%
3.7%	24,455	24,397	-59	-0.2%	-0.2%
4.9%	24,397	24,389	-8	0.0%	0.0%
6.2%	24,343	24,343	0	0.0%	0.0%
7.4%	24,311	24,311	0	0.0%	0.0%
8.6%	24,295	24,284	-11	0.0%	0.0%
9.9%	24,284	24,247	-37	-0.2%	-0.2%
11.1%	24,247	24,226	-21	-0.1%	-0.1%
12.3%	24,226	24,147	-79	-0.3%	-0.3%
13.6%	24,147	24,114	-34	-0.1%	-0.1%
14.8%	24,114	24,065	-48	-0.2%	-0.2%
16.0%	24,065	24,017	-48	-0.2%	-0.2%
17.3%	24,017	24,007	-11	0.0%	0.0%
18.5%	24,007	23,938	-69	-0.3%	-0.3%
19.8%	23,938	23,937	-1	0.0%	0.0%
21.0%	23,937	23,937	0	0.0%	0.0%
22.2%	23,937	23,937	0	0.0%	0.0%
23.5%	23,514	23,758	244	1.0%	1.0%
24.7%	23,496	23,064	-432	-1.8%	-1.8%
25.9%	23,119	23,038	-80	-0.3%	-0.3%
27.2%	22,885	22,960	75	0.3%	0.3%
28.4%	22,853	22,735	-118	-0.5%	-0.5%
29.6%	22,846	22,716	-130	-0.6%	-0.6%
30.9%	22,359	22,710	351	1.6%	1.6%
32.1%	22,172	22,306	135	0.6%	0.6%
33.3%	22,168	22,247	79	0.4%	0.4%
34.6%	22,075	22,184	109	0.5%	0.5%
35.8%	22,020	21,980	-40	-0.2%	-0.2%
37.0%	21,805	21,896	92	0.4%	0.4%
38.3%	21,577	21,894	317	1.5%	1.5%
39.5%	21,527	21,852	325	1.5%	1.5%
40.7%	21,394	21,705	310	1.4%	1.4%
42.0%	21,313	21,477	163	0.8%	0.8%
43.2%	21,081	21,242	182	0.9%	0.9%
44.4%	20,821	21,089	268	1.3%	1.3%
45.7%	20,714	20,874	160	0.8%	0.8%
46.9%	20,642	20,727	85	0.4%	0.4%
48.1%	20,424	20,469	45	0.2%	0.2%
49.4%	20,272	20,937	665	3.3%	3.3%
50.6%	20,237	20,456	219	1.1%	1.1%
51.9%	20,188	20,426	238	1.2%	1.2%
53.1%	20,166	20,407	241	1.2%	1.2%
54.3%	20,134	20,381	247	1.2%	1.2%
55.6%	20,079				



Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	27,726	27,726	0	0.0%
1.2%	27,653	27,653	0	0.0%
2.5%	27,540	27,391	-149	-0.5%
3.7%	27,391	27,367	-24	-0.1%
4.9%	27,288	27,288	0	0.0%
6.2%	27,276	27,276	0	0.0%
7.4%	27,262	27,262	0	0.0%
8.6%	26,944	27,204	260	1.0%
9.9%	26,922	27,132	210	0.8%
11.1%	26,829	26,944	115	0.4%
12.3%	26,748	26,829	81	0.3%
13.6%	26,725	26,748	22	0.1%
14.8%	26,675	26,725	51	0.2%
16.0%	26,665	26,675	10	0.0%
17.3%	26,527	26,527	0	0.0%
18.5%	26,512	26,512	0	0.0%
19.8%	26,303	26,447	144	0.5%
21.0%	26,298	26,357	59	0.2%
22.2%	26,286	26,303	17	0.1%
23.5%	26,197	26,298	102	0.4%
24.7%	26,173	26,197	24	0.1%
25.9%	26,122	26,173	51	0.2%
27.2%	26,085	26,122	37	0.1%
28.4%	26,089	26,089	101	0.4%
29.6%	25,756	26,085	329	1.3%
30.9%	25,732	26,074	342	1.3%
32.1%	25,634	25,989	355	1.4%
33.3%	25,620	25,732	112	0.4%
34.6%	25,583	25,634	51	0.2%
35.8%	25,546	25,620	74	0.3%
37.0%	25,422	25,583	161	0.6%
38.3%	25,348	25,422	75	0.3%
39.5%	25,279	25,348	69	0.3%
40.7%	25,157	25,279	122	0.5%
42.0%	25,155	25,155	0	0.0%
43.2%	25,059	25,059	0	0.0%
44.4%	25,018	25,031	13	0.1%
45.7%	24,893	24,893	0	0.0%
46.9%	24,851	24,851	0	0.0%
48.1%	24,843	24,840	-3	-0.0%
49.4%	24,753	24,753	-317	-1.3%
50.6%	24,710	24,378	-332	-1.3%
51.9%	24,626	24,370	-256	-1.0%
53.1%	24,500	24,370	-130	-0.5%
54.3%	24,407	24,366	-41	-0.2%
55.6%	24,194	24,203	9	0.0%
56.8%	24,183	24,151	-32	-0.1%
58.0%	24,151	24,130	-21	-0.1%
59.3%	24,130	24,095	-35	-0.1%
60.5%	24,095	24,049	-46	-0.2%
61.7%	23,938	24,013	76	0.3%
63.0%	23,937	23,938	1	0.0%
64.2%	23,937	23,937	0	0.0%
65.4%	23,937	23,937	0	0.0%
66.7%	23,937	23,937	0	0.0%
67.9%	23,755	23,937	183	0.8%
69.1%	23,669	23,725	57	0.2%
70.4%	22,950	23,440	489	2.1%
71.6%	22,807	22,950	143	0.6%
72.8%	22,549	22,908	359	1.6%
74.1%	22,147	22,813	750	3.4%
75.3%	21,995	22,665	671	3.0%
76.5%	21,908	22,519	611	2.8%
77.8%	21,880	22,441	560	2.6%
79.0%	21,650	22,261	611	2.8%
80.2%	21,387	22,161	774	3.6%
81.5%	21,352	21,987	636	3.0%
82.7%	21,162	21,978	816	3.9%
84.0%	20,828	21,747	920	4.4%
85.2%	20,670	21,464	794	3.8%
86.4%	20,554	20,997	443	2.2%
87.7%	20,087	20,997	910	4.5%
88.9%	20,004	20,875	871	4.4%
90.1%	19,470	20,624	1,054	5.4%
91.4%	18,423	20,220	1,797	9.8%
92.6%	17,827	20,139	2,312	13.0%
93.8%	17,811	19,906	2,095	11.8%
95.1%	15,915	18,030	2,115	13.3%
96.3%	14,573	17,128	2,556	17.5%
97.5%	13,407	16,668	3,261	24.3%
98.8%	12,772	13,012	240	1.9%
100.0%	7,620	9,901	2,281	29.9%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,614	29,614	0	0.0%
1.2%	29,120	29,120	0	0.0%
2.5%	29,018	29,018	0	0.0%
3.7%	28,884	28,884	0	0.0%
4.9%	28,833	28,833	0	0.0%
6.2%	28,730	28,730	0	0.0%
7.4%	28,695	28,695	0	0.0%
8.6%	28,684	28,684	0	0.0%
9.9%	28,614	28,614	0	0.0%
11.1%	28,601	28,601	0	0.0%
12.3%	28,397	28,326	-70	-0.2%
13.6%	28,326	28,241	-86	-0.3%
14.8%	28,241	28,122	-119	-0.4%
16.0%	28,122	28,086	-36	-0.1%
17.3%	28,086	28,043	-43	-0.2%
18.5%	28,060	27,978	-82	-0.3%
19.8%	27,978	27,960	-18	-0.1%
21.0%	27,960	27,959	-1	0.0%
22.2%	27,959	27,940	-19	-0.1%
23.5%	27,936	27,936	0	0.0%
24.7%	27,889	27,800	-90	-0.3%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,713	27,700	-12	0.0%
30.9%	27,674	27,676	3	0.0%
32.1%	27,631	27,674	42	0.2%
33.3%	27,631	27,631	0	0.0%
34.6%	27,592	27,631	40	0.1%
35.8%	27,546	27,592	46	0.2%
37.0%	27,541	27,546	4	0.0%
38.3%	27,527	27,541	15	0.1%
39.5%	27,481	27,527	45	0.2%
40.7%	27,468	27,481	13	0.0%
42.0%	27,430	27,458	29	0.1%
43.2%	27,374	27,430	56	0.2%
44.4%	27,359	27,374	15	0.1%
45.7%	27,316	27,335	19	0.1%
46.9%	27,086	27,086	0	0.0%
48.1%	26,854	26,854	0	0.0%
49.4%	26,584	26,584	0	0.0%
50.6%	26,538	26,718	180	0.7%
51.9%	26,525	26,635	110	0.4%
53.1%	26,330	26,584	254	1.0%
54.3%	26,330	26,538	208	0.8%
55.6%	26,047	26,530	483	1.9%
56.8%	25,495	26,363	868	3.4%
58.0%	25,464	26,174	710	2.8%
59.3%	25,447	26,049	602	2.4%
60.5%	25,444	25,940	497	2.0%
61.7%	25,371	25,736	365	1.4%
63.0%	25,283	25,541	258	1.0%
64.2%	25,140	25,508	368	1.5%
65.4%	25,082	25,444	362	1.4%
66.7%	24,915	25,283	368	1.5%
67.9%	24,819	24,915	96	0.4%
69.1%	24,816	24,819	3	0.0%
70.4%	24,813	24,816	3	0.0%
71.6%	24,813	24,813	0	0.0%
72.8%	24,813	24,813	0	0.0%
74.1%	24,650	24,813	163	0.7%
75.3%	24,565	24,789	224	0.9%
76.5%	24,044	24,764	720	3.0%
77.8%	23,960	24,591	631	2.6%
79.0%	23,717	23,910	193	0.8%
80.2%	23,630	23,806	176	0.7%
81.5%	23,557	23,800	243	1.0%
82.7%	23,460	23,632	172	0.7%
84.0%	22,217	23,595	1,368	6.2%
85.2%	21,988	22,851	863	3.9%
86.4%	21,675	22,606	931	4.3%
87.7%	21,579	22,466	886	4.1%
88.9%	21,460	21,817	357	1.7%
90.1%	21,381	21,749	368	1.7%
91.4%	21,143	21,671	528	2.5%
92.6%	19,927	21,587	1,660	8.3%
93.8%	19,601	21,583	1,982	10.1%
95.1%	19,182	21,185	2,002	10.4%
96.3%	19,072	21,100	1,938	10.2%
97.5%	18,668	21,115	1,492	9.0%
98.8%	13,660	14,223	563	4.1%
100.0%	12,349	13,346	997	8.1%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	29,974	30,000	26	0.1%
3.7%	29,972	30,000	28	0.1%
4.9%	29,965	29,974	9	0.0%
6.2%	29,905	29,946	41	0.1%
7.4%	29,869	29,850	-19	-0.1%
8.6%	29,831	29,738	-93	-0.3%
9.9%	29,827	29,686	-140	-0.5%
11.1%	29,686	29,675	-11	0.0%
12.3%	29,588	29,588	0	0.0%
13.6%	29,501	29,482	-19	-0.1%
14.8%	29,419	29,475	56	0.2%
16.0%	29,400	29,453	53	0.2%
17.3%	29,278	29,382	104	0.4%
18.5%	29,178	29,278	101	0.3%
19.8%	29,104	29,255	151	0.5%
21.0%	29,072	29,222	150	0.5%
22.2%	29,001	29,135	135	0.5%
23.5%	28,992	29,104	112	0.4%
24.7%	28,896	28,966	70	0.2%
25.9%	28,871	28,952	81	0.3%
27.2%	28,721	28,871	150	0.5%
28.4%	28,711	28,768	56	0.2%
29.6%	28,691	28,748	57	0.2%
30.9%	28,638	28,721	83	0.3%
32.1%	28,567	28,697	130	0.5%
33.3%	28,561	28,627	66	0.2%
34.6%	28,550	28,615	65	0.2%
35.8%	28,514	28,590	77	0.3%
37.0%	28,448	28,567	119	0.4%
38.3%	28,374	28,561	188	0.7%
39.5%	28,358	28,532	174	0.6%
40.7%	28,346	28,521	175	0.6%
42.0%	28,312	28,421	109	0.4%
43.2%	28,311	28,393	82	0.3%
44.4%	28,309	28,378	69	0.2%
45.7%	28,219	28,374	154	0.5%
46.9%	28,150	28,219	69	0.2%
48.1%	28,119	28,101	-19	-0.1%
49.4%	28,112	28,051	-61	-0.2%
50.6%	28,035	28,035	0	0.0%
51.9%	28,021	27,964	-57	-0.2%
53.1%	27,995	27,949	-46	-0.2%
54.3%	27,949	27,880	-69	-0.2%
55.6%	27,880	27,847	-33	-0.1%
56.8%	27,847	27,862	15	0.0%
58.0%	27,753	27,645	-109	-0.4%
59.3%	27,732	27,588	-144	-0.5%
60.5%	27,628	27,505	-123	-0.4%
61.7%	27,628	27,392	-236	-0.9%
63.0%	27,623	27,309	-314	-1.1%
64.2%	27,410	27,193	-217	-0.8%
65.4%	27,126	27,184	58	0.2%
66.7%	27,125	27,180	55	0.2%
67.9%	27,050	27,145	95	0.3%
69.1%	26,437	26,759	322	1.2%
70.4%	26,382	26,598	216	0.8%
71.6%	26,814	26,566	-248	-0.9%
72.8%	26,569	26,105	-464	-1.8%
74.1%	26,550	26,079	-471	-1.8%
75.3%	24,755	25,274	519	2.1%
76.5%	24,499	25,124	625	2.6%
77.8%	24,207	24,645	438	1.8%
79.0%	23,722	24,513	791	3.3%
80.2%	23,425	23,637	212	0.9%
81.5%	23,094	23,454	360	1.6%
82.7				

Table SW-09-b  
Shasta Lake, End of Month Area  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,379	-398	-1.3%
1.2%	29,776	29,354	-422	-1.4%
2.5%	29,363	29,198	-165	-0.6%
3.7%	29,156	28,670	-486	-1.7%
4.9%	28,784	28,661	-124	-0.4%
6.2%	28,755	28,626	-129	-0.4%
7.4%	28,638	28,547	-90	-0.3%
8.6%	28,406	28,492	87	0.3%
9.9%	28,308	28,353	45	0.2%
11.1%	28,198	28,351	153	0.5%
12.3%	28,187	28,323	136	0.5%
13.6%	28,040	28,316	275	1.0%
14.8%	27,686	28,149	463	1.7%
16.0%	27,644	28,035	391	1.4%
17.3%	27,383	27,807	423	1.5%
18.5%	27,350	27,731	382	1.4%
19.8%	27,281	27,615	334	1.2%
21.0%	27,161	27,556	395	1.5%
22.2%	27,125	27,517	392	1.4%
23.5%	27,119	27,464	345	1.3%
24.7%	26,970	27,440	470	1.7%
25.9%	26,755	27,407	651	2.4%
27.2%	26,736	27,391	655	2.4%
28.4%	26,712	27,296	584	2.2%
29.6%	26,641	27,287	646	2.4%
30.9%	26,601	27,224	623	2.3%
32.1%	26,545	27,022	478	1.8%
33.3%	26,406	26,832	427	1.6%
34.6%	26,101	26,698	597	2.3%
35.8%	25,992	26,565	573	2.2%
37.0%	25,896	26,559	663	2.6%
38.3%	25,823	26,515	693	2.7%
39.5%	25,794	26,317	523	2.0%
40.7%	25,786	26,281	495	1.9%
42.0%	25,547	26,165	618	2.4%
43.2%	25,372	25,900	528	2.1%
44.4%	25,353	25,899	545	2.1%
45.7%	25,302	25,895	594	2.3%
46.9%	25,154	25,807	653	2.6%
48.1%	25,079	25,747	668	2.7%
49.4%	25,064	25,609	544	2.2%
50.6%	24,951	25,518	568	2.3%
51.9%	24,920	25,518	598	2.4%
53.1%	24,802	25,339	537	2.2%
54.3%	24,742	25,244	502	2.0%
55.6%	24,726	25,241	514	2.1%
56.8%	24,679	24,955	276	1.1%
58.0%	24,398	24,800	403	1.7%
59.3%	24,225	24,450	225	0.9%
60.5%	23,979	24,431	452	1.9%
61.7%	23,951	24,319	368	1.5%
63.0%	23,914	24,258	344	1.4%
64.2%	23,693	23,964	271	0.7%
65.4%	23,659	23,849	190	0.8%
66.7%	23,659	23,849	190	0.8%
67.9%	23,518	23,800	282	1.2%
69.1%	23,451	23,659	208	0.9%
70.4%	22,861	23,148	286	1.2%
71.6%	22,842	23,081	239	1.0%
72.8%	22,658	23,066	408	1.8%
74.1%	22,146	21,684	-462	-2.1%
75.3%	21,171	21,506	335	1.6%
76.5%	21,001	21,161	159	0.8%
77.8%	20,758	21,094	336	1.6%
79.0%	19,878	20,954	1,077	5.4%
80.2%	19,872	20,456	584	2.9%
81.5%	19,760	20,293	532	2.7%
82.7%	19,322	20,001	679	3.5%
84.0%	19,301	19,862	561	2.9%
85.2%	19,135	19,802	668	3.5%
86.4%	18,849	19,567	717	3.8%
87.7%	18,563	19,526	963	5.2%
88.9%	17,412	19,038	1,626	9.3%
90.1%	16,293	19,023	2,730	16.8%
91.4%	15,838	19,987	4,149	26.2%
92.6%	15,557	17,849	2,292	14.7%
93.8%	15,466	17,503	2,037	13.2%
95.1%	15,433	17,271	1,838	11.9%
96.3%	15,250	16,659	1,409	9.2%
97.5%	10,535	14,082	3,547	33.7%
98.8%	10,246	13,499	3,253	31.7%
100.0%	7,002	7,002	0	0.0%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,161	27,577	-583	-2.1%
1.2%	27,888	27,444	-444	-1.7%
2.5%	26,982	26,540	-442	-1.6%
3.7%	26,940	26,520	-420	-1.6%
4.9%	26,320	26,076	-243	-0.9%
6.2%	26,236	26,031	-205	-0.8%
7.4%	25,678	26,017	339	1.3%
8.6%	25,637	25,626	-11	-0.1%
9.9%	25,322	25,901	579	2.3%
11.1%	25,307	25,555	248	1.0%
12.3%	25,266	25,513	247	1.0%
13.6%	25,117	25,432	315	1.3%
14.8%	25,093	25,191	99	0.4%
16.0%	25,041	25,181	140	0.6%
17.3%	25,036	24,925	-111	-0.4%
18.5%	24,359	24,774	415	1.7%
19.8%	24,284	24,748	464	1.9%
21.0%	24,263	24,968	705	2.9%
22.2%	23,972	24,486	514	2.1%
23.5%	23,886	24,382	496	2.1%
24.7%	23,866	24,028	162	0.7%
25.9%	23,789	23,955	166	0.7%
27.2%	23,659	23,893	233	1.0%
28.4%	23,658	23,815	156	0.7%
29.6%	23,659	23,803	143	0.6%
30.9%	23,590	23,772	182	0.8%
32.1%	23,533	23,659	126	0.5%
33.3%	23,366	23,659	293	1.3%
34.6%	23,069	23,659	590	2.6%
35.8%	23,059	23,659	600	2.6%
37.0%	23,012	23,608	596	2.6%
38.3%	22,958	23,554	597	2.6%
39.5%	22,843	23,254	411	1.8%
40.7%	22,867	23,103	436	1.9%
42.0%	22,635	22,768	133	0.6%
43.2%	22,174	22,574	400	1.8%
44.4%	22,150	22,471	321	1.5%
45.7%	22,090	22,451	362	1.6%
46.9%	22,082	22,401	319	1.4%
48.1%	21,980	22,395	415	1.9%
49.4%	21,896	22,332	436	2.0%
50.6%	21,886	22,305	419	1.9%
51.9%	21,591	22,166	575	2.7%
53.1%	21,558	22,064	505	2.3%
54.3%	21,476	22,040	564	2.6%
55.6%	21,466	22,036	570	2.7%
56.8%	21,430	21,997	567	2.6%
58.0%	21,354	21,577	222	1.0%
59.3%	21,344	21,441	98	0.5%
60.5%	21,085	21,256	170	0.8%
61.7%	20,977	21,172	195	0.9%
63.0%	20,736	20,892	156	0.8%
64.2%	20,651	20,803	152	0.7%
65.4%	20,570	20,669	99	0.5%
66.7%	20,406	20,467	62	0.3%
67.9%	20,399	20,153	-246	-1.2%
69.1%	20,279	19,828	-451	-2.2%
70.4%	19,822	19,760	-63	-0.3%
71.6%	19,482	19,156	-326	-1.7%
72.8%	19,321	18,963	-358	-1.9%
74.1%	19,184	18,918	-266	-1.4%
75.3%	19,163	18,773	-389	-2.0%
76.5%	18,313	18,650	338	1.8%
77.8%	18,008	18,456	448	2.5%
79.0%	17,738	18,308	570	3.2%
80.2%	17,580	18,230	650	3.7%
81.5%	17,396	17,849	453	2.6%
82.7%	16,881	17,729	848	5.0%
84.0%	16,708	17,380	672	4.0%
85.2%	16,329	17,234	906	5.5%
86.4%	16,184	17,126	942	5.8%
87.7%	16,057	17,083	1,026	6.4%
88.9%	15,486	15,975	489	3.2%
90.1%	13,855	15,548	1,693	12.2%
91.4%	13,297	14,962	1,665	12.5%
92.6%	13,066	15,239	2,173	16.6%
93.8%	12,699	14,853	2,155	17.0%
95.1%	12,435	14,069	1,633	13.1%
96.3%	11,737	13,899	2,163	18.4%
97.5%	7,829	11,076	3,247	41.5%
98.8%	7,729	11,071	3,342	43.2%
100.0%	7,002	7,002	0	0.0%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,091	-239	-0.9%
2.5%	25,729	24,804	-925	-3.6%
3.7%	25,601	24,628	-973	-3.8%
4.9%	24,813	24,542	-271	-1.1%
6.2%	24,667	24,403	-264	-1.1%
7.4%	24,532	24,362	-170	-0.7%
8.6%	24,116	24,273	157	0.7%
9.9%	23,940	24,143	203	0.8%
11.1%	23,659	23,882	223	0.9%
12.3%	23,590	23,752	162	0.7%
13.6%	23,548	23,659	111	0.5%
14.8%	23,418	23,390	-28	-0.1%
16.0%	23,405	23,343	-62	-0.3%
17.3%	23,158	23,221	63	0.3%
18.5%	23,078	23,138	59	0.3%
19.8%	22,843	22,982	139	0.6%
21.0%	22,747	22,774	27	0.1%
22.2%	22,743	22,752	9	0.1%
23.5%	22,728	22,496	-231	-1.0%
24.7%	22,574	22,544	-220	-1.0%
25.9%	22,518	22,348	-169	-0.8%
27.2%	22,402	22,320	-83	-0.4%
28.4%	22,364	22,310	-54	-0.2%
29.6%	22,312	22,273	-39	-0.2%
30.9%	22,256	22,177	-79	-0.4%
32.1%	22,153	22,166	13	0.1%
33.3%	22,069	22,158	88	0.4%
34.6%	21,712	22,132	420	1.9%
35.8%	21,607	21,997	390	1.8%
37.0%	21,544	21,838	294	1.4%
38.3%	21,335	21,826	491	2.3%
39.5%	21,263	21,757	494	2.3%
40.7%	21,221	21,661	440	2.1%
42.0%	21,166	21,496	331	1.6%
43.2%	20,985	21,401	416	2.0%
44.4%	20,981	21,281	300	1.4%
45.7%	20,974	21,116	142	0.7%
46.9%	20,806	21,041	236	1.1%
48.1%	20,717	20,883	166	0.8%
49.4%	20,623	20,861	238	1.2%
50.6%	20,565	20,738	172	0.8%
51.9%	20,354	20,708	354	1.7%
53.1%	20,317	20,697	380	1.9%
54.3%	20,207	20,477	270	1.3%
55.6%	19,933	20,472	540	2.7%
56.8%	19,898	20,105	217	1.1%
58.0%	19,817	20,055	238	1.2%
59.3%	19,689	19,894	205	1.0%
60.5%	19,621	19,851	230	1.2%
61.7%	19,488	19,808	320	1.6%
63.0%	19,139	19,689	549	2.9%
64.2%	19,012	19,386	374	2.0%
65.4%	19,005	19,276	271	1.4%
66.7%	18,817	19,146	329	1.7%
67.9%	18,646	18,532	-114	-0.6%
69.1%	18,268	18,404	136	0.7%
70.4%	17,861	17,896	35	0.2%
71.6%	17,793	17,872	79	0.4%
72.8%	17,749	17,827	78	0.4%
74.1%	17,591	17,527	-65	-0.4%
75.3%	17,559	17,269	-290	-1.7%
76.5%	17,336	17,018	-318	-1.8%
77.8%	16,474	16,998	524	3.2%
79.0%	16,431	16,		

**Figure SW-10-b**  
**Sacramento River below Keswick Reservoir, Monthly Flow**  
**Probability of Exceedance**

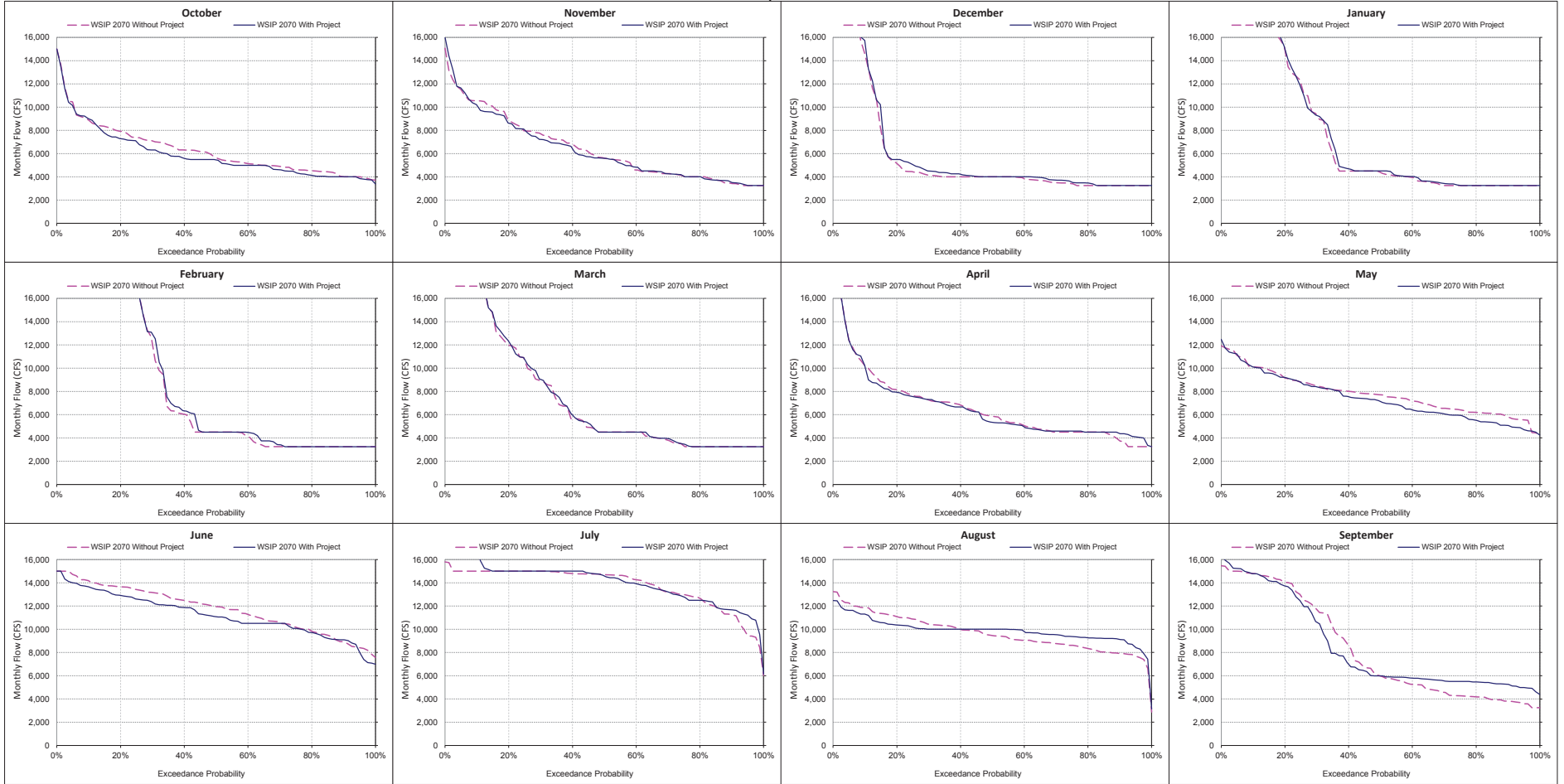


Table SW-10-b  
Sacramento River below Keswick Reservoir, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	13,684	13,489	-195	-1.4%
2.5%	11,742	11,583	-159	-1.4%
3.7%	10,506	10,411	-95	-0.9%
4.9%	10,456	10,146	-310	-3.0%
6.2%	9,316	9,397	81	0.9%
7.4%	9,196	9,255	59	0.6%
8.6%	9,088	9,028	-137	-1.5%
9.9%	8,926	8,998	90	1.0%
11.1%	8,618	8,876	258	3.0%
12.3%	8,493	8,475	-18	-0.2%
13.6%	8,389	8,134	-255	-3.0%
14.8%	8,354	7,768	-586	-6.8%
16.0%	8,259	7,579	-680	-8.2%
17.3%	8,148	7,441	-707	-8.7%
18.5%	8,004	7,433	-571	-7.1%
19.8%	7,925	7,300	-625	-7.9%
21.0%	7,923	7,258	-665	-8.4%
22.2%	7,685	7,162	-522	-6.8%
23.5%	7,426	7,027	-399	-5.4%
24.7%	7,380	7,101	-279	-3.8%
25.9%	7,368	6,759	-609	-8.3%
27.2%	7,220	6,602	-617	-8.6%
28.4%	7,143	6,347	-797	-11.2%
29.6%	7,122	6,322	-800	-11.2%
30.9%	7,015	6,304	-711	-10.1%
32.1%	6,980	6,134	-846	-12.1%
33.3%	6,956	6,035	-921	-13.2%
34.6%	6,796	5,990	-806	-11.9%
35.8%	6,691	5,794	-896	-13.4%
37.0%	6,552	5,763	-789	-12.0%
38.3%	6,320	5,762	-558	-8.8%
39.5%	6,315	5,639	-676	-10.7%
40.7%	6,300	5,530	-770	-12.2%
42.0%	6,298	5,500	-799	-12.7%
43.2%	6,280	5,280	-1,000	-15.9%
44.4%	6,209	5,500	-708	-11.4%
45.7%	6,150	5,500	-650	-10.6%
46.9%	6,131	5,500	-631	-10.3%
48.1%	5,962	5,500	-462	-7.8%
49.4%	5,724	5,500	-224	-3.9%
50.6%	5,626	5,500	-126	-2.2%
51.9%	5,452	5,157	-295	-5.4%
53.1%	5,396	5,120	-276	-5.1%
54.3%	5,368	5,067	-301	-5.6%
55.6%	5,322	5,000	-322	-6.0%
56.8%	5,290	5,000	-290	-5.5%
58.0%	5,288	5,000	-288	-5.5%
59.3%	5,174	5,000	-174	-3.4%
60.5%	5,123	5,000	-123	-2.4%
61.7%	5,095	5,000	-95	-1.9%
63.0%	5,041	5,000	-41	-0.8%
64.2%	5,002	5,000	-2	0.0%
65.4%	4,991	5,000	9	0.2%
66.7%	4,965	4,898	-67	-1.4%
67.9%	4,963	4,647	-316	-6.4%
69.1%	4,930	4,625	-305	-6.2%
70.4%	4,883	4,563	-320	-6.5%
71.6%	4,823	4,505	-318	-6.6%
72.8%	4,822	4,496	-326	-6.8%
74.1%	4,626	4,482	-144	-3.1%
75.3%	4,613	4,327	-286	-6.2%
76.5%	4,593	4,261	-333	-7.2%
77.8%	4,584	4,240	-344	-7.5%
79.0%	4,537	4,170	-366	-8.1%
80.2%	4,520	4,132	-388	-8.6%
81.5%	4,496	4,064	-432	-9.6%
82.7%	4,464	4,057	-407	-9.1%
84.0%	4,457	4,050	-407	-9.1%
85.2%	4,428	4,015	-412	-9.3%
86.4%	4,389	4,000	-389	-8.9%
87.7%	4,290	4,000	-290	-6.8%
88.9%	4,050	4,000	-50	-1.2%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	3,839	-161	-4.0%
96.3%	3,934	3,799	-135	-3.4%
97.5%	3,854	3,746	-108	-2.8%
98.8%	3,746	3,638	-108	-2.9%
100.0%	3,713	3,390	-323	-8.7%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,071	15,966	895	5.9%
1.2%	13,123	14,423	1,300	9.9%
2.5%	12,351	13,232	882	7.1%
3.7%	11,789	11,784	-6	0.0%
4.9%	11,529	11,650	120	1.0%
6.2%	11,025	11,244	219	2.0%
7.4%	10,627	10,690	62	0.6%
8.6%	10,559	10,376	-183	-1.7%
9.9%	10,555	10,213	-342	-3.2%
11.1%	10,533	9,713	-820	-7.8%
12.3%	10,479	9,626	-853	-8.1%
13.6%	10,121	9,590	-531	-5.2%
14.8%	10,100	9,571	-529	-5.2%
16.0%	9,772	9,396	-376	-3.9%
17.3%	9,639	9,360	-279	-2.9%
18.5%	9,638	9,252	-386	-4.0%
19.8%	8,921	8,637	-284	-3.2%
21.0%	8,693	8,552	-141	-1.6%
22.2%	8,513	8,159	-353	-4.2%
23.5%	8,366	8,139	-227	-2.7%
24.7%	7,979	8,110	131	1.6%
25.9%	7,935	7,780	-155	-2.0%
27.2%	7,925	7,528	-397	-5.0%
28.4%	7,814	7,487	-327	-4.2%
29.6%	7,770	7,218	-552	-7.1%
30.9%	7,575	7,213	-362	-4.8%
32.1%	7,569	7,117	-452	-6.0%
33.3%	7,290	6,925	-365	-5.0%
34.6%	7,230	6,911	-319	-4.4%
35.8%	7,212	6,885	-327	-4.5%
37.0%	7,160	6,789	-371	-5.2%
38.3%	6,905	6,735	-170	-2.5%
39.5%	6,901	6,643	-258	-3.7%
40.7%	6,665	6,118	-547	-8.2%
42.0%	6,394	5,913	-481	-7.5%
43.2%	6,380	5,376	-1,004	-15.7%
44.4%	6,269	5,735	-533	-8.5%
45.7%	6,001	5,709	-291	-4.9%
46.9%	5,861	5,623	-238	-4.1%
48.1%	5,686	5,621	-65	-1.2%
49.4%	5,654	5,599	-55	-1.0%
50.6%	5,603	5,527	-76	-1.4%
51.9%	5,543	5,520	-24	-0.4%
53.1%	5,408	5,500	22	0.4%
54.3%	5,449	5,229	-220	-4.0%
55.6%	5,403	5,118	-285	-5.3%
56.8%	5,351	4,971	-380	-7.1%
58.0%	5,222	4,965	-256	-4.9%
59.3%	4,998	4,850	-148	-3.0%
60.5%	4,583	4,824	241	5.3%
61.7%	4,473	4,500	27	0.6%
63.0%	4,466	4,500	34	0.8%
64.2%	4,455	4,500	45	1.0%
65.4%	4,420	4,500	80	1.8%
66.7%	4,398	4,473	75	1.7%
67.9%	4,279	4,443	163	3.8%
69.1%	4,278	4,279	1	0.0%
70.4%	4,276	4,250	-26	-0.6%
71.6%	4,242	4,242	0	0.0%
72.8%	4,204	4,204	0	0.0%
74.1%	4,143	4,183	41	1.0%
75.3%	4,010	4,000	-10	-0.2%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	3,817	-183	-4.6%
82.7%	3,885	3,783	-102	-2.6%
84.0%	3,823	3,722	-101	-2.6%
85.2%	3,721	3,716	-5	-0.1%
86.4%	3,681	3,695	14	0.4%
87.7%	3,491	3,681	190	5.4%
88.9%	3,481	3,673	193	5.5%
90.1%	3,419	3,498	79	2.3%
91.4%	3,481	3,408	-73	-2.2%
92.6%	3,319	3,429	110	3.3%
93.8%	3,250	3,337	87	2.7%
95.1%	3,250	3,252	2	0.1%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,404	30,167	763	2.6%
1.2%	27,847	28,967	1,120	4.0%
2.5%	26,238	27,847	1,609	6.1%
3.7%	23,833	23,833	0	0.0%
4.9%	21,917	21,917	0	0.0%
6.2%	18,409	16,991	-1,418	-7.7%
7.4%	17,711	16,287	-1,424	-8.0%
8.6%	15,739	16,042	303	1.9%
9.9%	14,648	15,739	1,091	7.4%
11.1%	13,280	13,280	0	0.0%
12.3%	11,619	12,267	648	5.6%
13.6%	10,723	10,634	-89	-0.8%
14.8%	8,283	10,207	1,924	23.2%
16.0%	6,499	6,499	0	0.0%
17.3%	5,710	5,748	39	0.7%
18.5%	5,365	5,500	135	2.5%
19.8%	5,215	5,500	285	5.5%
21.0%	4,913	5,500	587	11.9%
22.2%	4,498	5,336	839	18.6%
23.5%	4,464	5,262	797	17.9%
24.7%	4,449	5,107	658	14.8%
25.9%	4,133	4,920	542	12.4%
27.2%	4,376	4,833	457	10.4%
28.4%	4,252	4,688	417	9.8%
29.6%	4,160	4,500	340	8.2%
30.9%	4,122	4,493	371	9.0%
32.1%	4,094	4,464	370	9.0%
33.3%	4,048	4,378	329	8.1%
34.6%	4,000	4,376	376	9.4%
35.8%	4,000	4,350	350	8.8%
37.0%	4,000	4,262	262	6.6%
38.3%	4,000	4,261	261	6.5%
39.5%	4,000	4,250	250	6.3%
40.7%	4,000	4,160	160	4.0%
42.0%	4,000	4,113	113	2.8%
43.2%	4,000	4,069	69	1.7%
44.4%	4,000	4,048	48	1.2%
45.7%	4,000	4,000	0	0.0%
46.9%	4,000	4,000	0	0.0%
48.1%	4,000	4,000	0	0.0%
49.4%	4,000	4,000	0	0.0%
50.6%	4,000	4,000	0	0.0%
51.9%	4,000	4,000	0	0.0%
53.1%	4,000	4,000	0	0.0%
54.3%	4,000	4,000	0	0.0%
55.6%	4,000	4,000	0	0.0%
56.8%	4,000	4,000	0	0.0%
58.0%	4,000	4,000	0	0.0%
59.3%	3,929	4,000	71	1.8%
60.5%	3,773	4,000	227	6.0%
61.7%	3,764	4,000	236	6.3%
63.0%	3,744	3,980	236	6.3%
64.2%	3,707	3,959	253	6.8%
65.4%	3,929	3,929	239	6.5%
66.7%	3,650	3,859	209	5.7%
67.9%	3,556	3,764	208	5.8%
69.1%	3,494	3,744	249	7.1%
70.4%	3,490	3,709	220	6.3%
71.6%	3,476	3,707	231	6.6%
72.8%	3,471	3,690	219	6.3%
74.1%	3,439	3,650	211	6.1%
75.3%	3,392	3,494	102	3.0%
76.5%	3,251	3,490	239	7.4%
77.8%	3,250	3,473	223	6.9%
79.0%	3,250	3,472	222	6.8%
80.2%	3,250	3,471	221	6.8%
81.5%	3,250	3,392	142	4.4%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250		

Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	59,102	59,102	0	0.0%	
1.2%	57,345	57,345	0	0.0%	
2.5%	45,545	45,545	0	0.0%	
3.7%	42,347	43,393	1,045	2.5%	
4.9%	42,273	42,289	16	0.0%	
6.2%	39,284	39,284	0	0.0%	
7.4%	38,512	38,512	0	0.0%	
8.6%	34,430	34,430	1,167	3.6%	
9.9%	32,421	33,243	821	2.5%	
11.1%	31,456	32,421	966	3.1%	
12.3%	31,452	31,452	0	0.0%	
13.6%	31,128	31,128	0	0.0%	
14.8%	30,658	30,658	0	0.0%	
16.0%	30,048	29,707	-341	-1.1%	
17.3%	29,657	29,657	0	0.0%	
18.5%	25,353	25,353	0	0.0%	
19.8%	24,234	24,234	0	0.0%	
21.0%	23,832	23,832	0	0.0%	
22.2%	23,687	23,687	0	0.0%	
23.5%	20,417	20,417	0	0.0%	
24.7%	20,251	20,251	0	0.0%	
25.9%	16,138	16,138	0	0.0%	
27.2%	14,527	14,527	0	0.0%	
28.4%	13,275	13,155	-120	-0.9%	
29.6%	12,692	13,100	409	3.2%	
30.9%	10,653	12,529	1,876	17.6%	
32.1%	9,806	10,491	685	7.0%	
33.3%	9,460	9,806	346	3.7%	
34.6%	6,718	7,530	812	12.1%	
35.8%	6,344	6,993	649	10.2%	
37.0%	6,311	6,718	407	6.5%	
38.3%	6,130	6,639	509	8.3%	
39.5%	6,062	6,344	282	4.6%	
40.7%	5,982	6,311	328	5.5%	
42.0%	5,389	6,130	741	13.8%	
43.2%	4,500	5,662	1,162	25.8%	
44.4%	4,500	4,652	152	3.4%	
45.7%	4,500	4,500	0	0.0%	
46.9%	4,500	4,500	0	0.0%	
48.1%	4,500	4,500	0	0.0%	
49.4%	4,500	4,500	0	0.0%	
50.6%	4,500	4,500	0	0.0%	
51.9%	4,500	4,500	0	0.0%	
53.1%	4,500	4,500	0	0.0%	
54.3%	4,500	4,500	0	0.0%	
55.6%	4,500	4,500	0	0.0%	
56.8%	4,491	4,500	9	0.2%	
58.0%	4,451	4,500	49	1.1%	
59.3%	4,207	4,491	285	6.8%	
60.5%	4,054	4,451	397	9.8%	
61.7%	3,679	4,375	696	18.9%	
63.0%	3,488	4,207	718	20.6%	
64.2%	3,414	3,750	336	9.8%	
65.4%	3,250	3,750	500	15.4%	
66.7%	3,250	3,750	500	15.4%	
67.9%	3,250	3,679	429	13.2%	
69.1%	3,250	3,414	164	5.0%	
70.4%	3,250	3,400	150	4.6%	
71.6%	3,250	3,250	0	0.0%	
72.8%	3,250	3,250	0	0.0%	
74.1%	3,250	3,250	0	0.0%	
75.3%	3,250	3,250	0	0.0%	
76.5%	3,250	3,250	0	0.0%	
77.8%	3,250	3,250	0	0.0%	
79.0%	3,250	3,250	0	0.0%	
80.2%	3,250	3,250	0	0.0%	
81.5%	3,250	3,250	0	0.0%	
82.7%	3,250	3,250	0	0.0%	
84.0%	3,250	3,250	0	0.0%	
85.2%	3,250	3,250	0	0.0%	
86.4%	3,250	3,250	0	0.0%	
87.7%	3,250	3,250	0	0.0%	
88.9%	3,250	3,250	0	0.0%	
90.1%	3,250	3,250	0	0.0%	
91.4%	3,250	3,250	0	0.0%	
92.6%	3,250	3,250	0	0.0%	
93.8%	3,250	3,250	0	0.0%	
95.1%	3,250	3,250	0	0.0%	
96.3%	3,250	3,250	0	0.0%	
97.5%	3,250	3,250	0	0.0%	
98.8%	3,250	3,250	0	0.0%	
100.0%	3,250	3,250	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	55,811	55,811	0	0.0%	
1.2%	52,648	52,648	0	0.0%	
2.5%	37,838	37,838	0	0.0%	
3.7%	37,171	37,171	0	0.0%	
4.9%	25,141	24,744	-396	-1.6%	
6.2%	24,724	24,724	0	0.0%	
7.4%	24,427	23,578	-849	-3.5%	
8.6%	23,578	22,948	-630	-2.7%	
9.9%	22,631	22,631	0	0.0%	
11.1%	16,992	16,992	0	0.0%	
12.3%	16,954	16,954	0	0.0%	
13.6%	15,193	15,193	0	0.0%	
14.8%	14,829	14,829	0	0.0%	
16.0%	13,132	13,051	-81	-0.6%	
17.3%	12,788	13,241	453	3.5%	
18.5%	12,385	12,788	403	3.2%	
19.8%	11,996	12,385	389	3.2%	
21.0%	11,921	11,876	-45	-0.4%	
22.2%	11,714	11,272	-442	-3.8%	
23.5%	10,972	10,972	0	0.0%	
24.7%	10,915	10,915	0	0.0%	
25.9%	9,972	10,328	356	3.6%	
27.2%	9,784	9,972	188	1.9%	
28.4%	9,071	9,784	713	7.9%	
29.6%	8,950	9,093	142	1.6%	
30.9%	8,827	8,950	123	1.4%	
32.1%	8,579	8,415	-164	-1.9%	
33.3%	8,503	7,930	-573	-6.7%	
34.6%	7,484	7,789	305	4.1%	
35.8%	6,863	7,484	621	9.1%	
37.0%	6,736	6,907	171	2.5%	
38.3%	6,735	6,735	0	0.0%	
39.5%	6,555	6,118	-437	-6.7%	
40.7%	6,311	6,680	369	5.9%	
42.0%	5,627	5,494	-133	-2.4%	
43.2%	5,494	5,494	0	0.0%	
44.4%	4,922	5,375	453	9.2%	
45.7%	4,904	5,154	250	5.1%	
46.9%	4,800	4,768	-32	-0.7%	
48.1%	4,500	4,500	0	0.0%	
49.4%	4,500	4,500	0	0.0%	
50.6%	4,500	4,500	0	0.0%	
51.9%	4,500	4,500	0	0.0%	
53.1%	4,500	4,500	0	0.0%	
54.3%	4,500	4,500	0	0.0%	
55.6%	4,500	4,500	0	0.0%	
56.8%	4,500	4,500	0	0.0%	
58.0%	4,500	4,500	0	0.0%	
59.3%	4,500	4,500	0	0.0%	
60.5%	4,500	4,500	0	0.0%	
61.7%	4,500	4,500	0	0.0%	
63.0%	4,152	4,500	348	8.4%	
64.2%	4,133	4,133	0	0.0%	
65.4%	4,048	4,048	0	0.0%	
66.7%	3,979	3,995	16	0.4%	
67.9%	3,973	3,979	6	0.1%	
69.1%	3,868	3,973	105	2.7%	
70.4%	3,768	3,937	169	4.5%	
71.6%	3,602	3,768	166	4.6%	
72.8%	3,545	3,602	57	1.6%	
74.1%	3,502	3,522	20	0.6%	
75.3%	3,250	3,439	189	5.8%	
76.5%	3,250	3,278	28	0.9%	
77.8%	3,250	3,250	0	0.0%	
79.0%	3,250	3,250	0	0.0%	
80.2%	3,250	3,250	0	0.0%	
81.5%	3,250	3,250	0	0.0%	
82.7%	3,250	3,250	0	0.0%	
84.0%	3,250	3,250	0	0.0%	
85.2%	3,250	3,250	0	0.0%	
86.4%	3,250	3,250	0	0.0%	
87.7%	3,250	3,250	0	0.0%	
88.9%	3,250	3,250	0	0.0%	
90.1%	3,250	3,250	0	0.0%	
91.4%	3,250	3,250	0	0.0%	
92.6%	3,250	3,250	0	0.0%	
93.8%	3,250	3,250	0	0.0%	
95.1%	3,250	3,250	0	0.0%	
96.3%	3,250	3,250	0	0.0%	
97.5%	3,250	3,250	0	0.0%	
98.8%	3,250	3,250	0	0.0%	
100.0%	3,250	3,250	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	30,805	30,805	0	0.0%	
1.2%	23,403	23,403	0	0.0%	
2.5%	16,165	16,165	0	0.0%	
3.7%	14,137	14,137	0	0.0%	
4.9%	12,419	12,419	0	0.0%	
6.2%	11,772	11,589	-183	-1.6%	
7.4%	11,049	11,183	134	1.2%	
8.6%	10,686	11,049	363	3.4%	
9.9%	10,233	10,224	-9	-0.1%	
11.1%	9,967	8,985	-982	-9.9%	
12.3%	9,554	8,776	-778	-8.1%	
13.6%	9,228	8,728	-500	-5.4%	
14.8%	8,857	8,466	-392	-4.4%	
16.0%	8,765	8,235	-530	-6.1%	
17.3%	8,412	8,198	-214	-2.5%	
18.5%	8,198	7,975	-223	-2.7%	
19.8%	8,161	7,944	-217	-2.7%	
21.0%	8,098	7,881	-217	-2.7%	
22.2%	7,960	7,710	-250	-3.1%	
23.5%	7,850	7,650	-200	-2.6%	
24.7%	7,684	7,580	-104	-1.4%	
25.9%	7,580	7,508	-72	-1.0%	
27.2%	7,575	7,473	-102	-1.3%	
28.4%	7,399	7,368	-31	-0.4%	
29.6%	7,301	7,301	0	0.0%	
30.9%	7,182	7,298	116	1.6%	
32.1%	7,139	7,144	5	0.1%	
33.3%	7,110	7,090	-20	-0.3%	
34.6%	7,099	6,976	-123	-1.7%	
35.8%	7,090	6,822	-269	-3.8%	
37.0%	7,055	6,732	-323	-4.6%	
38.3%	6,953	6,673	-280	-4.0%	
39.5%	6,888	6,668	-220	-3.2%	
40.7%	6,738	6,660	-78	-1.2%	
42.0%	6,543	6,469	-74	-1.1%	
43.2%	6,514	6,463	-51	-0.8%	
44.4%	6,308	6,246	-62	-1.0%	
45.7%	6,213	6,233	20	0.3%	
46.9%	6,010	6,010	0	0.0%	
48.1%	5,940	5,455	-486	-8.2%	
49.4%	5,899	5,369	-530	-9.0%	
50.6%	5,836	5,323	-513	-8.8%	
51.9%	5,797	5,305	-492	-8.5%	
53.1%	5,466	5,286	-180	-3.3%	
54.3%	5,419	5,283	-136	-2.5%	
55.6%	5,310	5,211	-99	-1.9%	
56.8%	5,305	5,155	-151	-2.8%	
58.0%	5,286	5,103	-183	-3.5%	
59.3%	5,148	5,076	-72	-1.4%	
60.5%	4,993	4,861	-133	-2.7%	
61.7%	4,929	4,818	-111	-2.3%	
63.0%	4,906	4,742	-163	-3.3%	
64.2%	4,759	4,735	-23	-0.5%	
65.4%	4,742	4,664	-78	-1.6%	
66.7%	4,672	4,600	-72	-1.5%	
67.9%	4,617	4,600	-17	-0.4%	
69.1%	4,500	4,600	100	2.2%	

Table SW-10-b  
Sacramento River below Keswick Reservoir, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15,000	15,000	0	0.0%	
1.2%	15,000	15,000	0	0.0%	
2.5%	15,000	14,332	-668	-4.5%	
3.7%	15,000	14,126	-874	-5.8%	
4.9%	14,723	14,007	-715	-4.9%	
6.2%	14,592	13,959	-633	-4.3%	
7.4%	14,269	13,785	-484	-3.4%	
8.6%	14,267	13,728	-539	-3.8%	
9.9%	14,187	13,661	-526	-3.7%	
11.1%	13,981	13,557	-424	-3.0%	
12.3%	13,977	13,432	-544	-3.9%	
13.6%	13,847	13,378	-469	-3.4%	
14.8%	13,783	13,375	-408	-3.0%	
16.0%	13,750	13,258	-491	-3.6%	
17.3%	13,736	13,048	-687	-5.0%	
18.5%	13,693	12,953	-740	-5.4%	
19.8%	13,662	12,920	-742	-5.4%	
21.0%	13,643	12,853	-790	-5.8%	
22.2%	13,623	12,807	-816	-6.0%	
23.5%	13,577	12,765	-812	-6.0%	
24.7%	13,430	12,603	-827	-6.2%	
25.9%	13,373	12,564	-809	-6.0%	
27.2%	13,302	12,509	-794	-6.0%	
28.4%	13,192	12,500	-692	-5.2%	
29.6%	13,185	12,389	-796	-6.0%	
30.9%	13,129	12,187	-942	-7.2%	
32.1%	13,086	12,118	-968	-7.4%	
33.3%	13,035	12,114	-921	-7.1%	
34.6%	12,861	12,074	-787	-6.1%	
35.8%	12,666	12,066	-600	-4.7%	
37.0%	12,613	12,031	-582	-4.6%	
38.3%	12,559	11,901	-658	-5.2%	
39.5%	12,504	11,889	-614	-4.9%	
40.7%	12,473	11,862	-610	-4.9%	
42.0%	12,343	11,848	-495	-4.0%	
43.2%	12,332	11,822	-510	-4.1%	
44.4%	12,282	11,328	-955	-7.8%	
45.7%	12,174	11,289	-884	-7.3%	
46.9%	12,131	11,210	-921	-7.6%	
48.1%	12,051	11,166	-884	-7.3%	
49.4%	11,947	11,107	-840	-7.0%	
50.6%	11,939	11,039	-900	-7.5%	
51.9%	11,911	11,056	-855	-7.2%	
53.1%	11,759	10,987	-773	-6.6%	
54.3%	11,700	10,789	-911	-7.8%	
55.6%	11,693	10,708	-984	-8.4%	
56.8%	11,691	10,691	-999	-8.5%	
58.0%	11,374	10,517	-856	-7.5%	
59.3%	11,355	10,500	-855	-7.5%	
60.5%	11,220	10,500	-720	-6.4%	
61.7%	11,139	10,500	-639	-5.7%	
63.0%	11,027	10,500	-527	-4.8%	
64.2%	10,944	10,500	-444	-4.1%	
65.4%	10,789	10,500	-289	-2.7%	
66.7%	10,711	10,500	-211	-2.0%	
67.9%	10,694	10,500	-194	-1.8%	
69.1%	10,669	10,500	-169	-1.6%	
70.4%	10,494	10,500	6	0.1%	
71.6%	10,475	10,500	25	0.2%	
72.8%	10,439	10,261	-178	-1.7%	
74.1%	10,275	10,084	-191	-1.9%	
75.3%	10,148	10,076	-72	-0.7%	
76.5%	10,053	10,015	-38	-0.4%	
77.8%	9,997	9,950	-47	-0.5%	
79.0%	9,995	9,731	-264	-2.6%	
80.2%	9,798	9,701	-96	-1.0%	
81.5%	9,708	9,609	-99	-1.0%	
82.7%	9,582	9,508	-74	-0.8%	
84.0%	9,563	9,312	-250	-2.6%	
85.2%	9,477	9,200	-277	-2.9%	
86.4%	9,348	9,141	-208	-2.2%	
87.7%	9,080	9,120	39	0.4%	
88.9%	8,938	9,100	162	1.8%	
90.1%	8,931	9,100	169	1.9%	
91.4%	8,749	9,019	270	3.1%	
92.6%	8,620	8,817	297	3.5%	
93.8%	8,478	8,703	225	2.7%	
95.1%	8,414	7,994	-420	-5.0%	
96.3%	8,349	7,400	-949	-11.4%	
97.5%	8,195	7,127	-1,068	-13.0%	
98.8%	7,957	6,087	-1,870	-23.5%	
100.0%	7,564	7,000	-564	-7.5%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15,800	20,539	4,740	30.0%	
1.2%	15,742	20,390	4,648	29.5%	
2.5%	15,000	19,246	4,246	28.3%	
3.7%	15,000	18,926	3,926	26.2%	
4.9%	15,000	18,657	3,657	24.4%	
6.2%	15,000	18,632	3,632	24.2%	
7.4%	15,000	18,516	3,516	23.4%	
8.6%	15,000	17,682	2,682	17.9%	
9.9%	15,000	16,927	1,927	12.8%	
11.1%	15,000	15,903	903	6.0%	
12.3%	15,000	15,256	256	1.7%	
13.6%	15,000	15,140	140	0.9%	
14.8%	15,000	15,000	0	0.0%	
16.0%	15,000	15,000	0	0.0%	
17.3%	15,000	15,000	0	0.0%	
18.5%	15,000	15,000	0	0.0%	
19.8%	15,000	15,000	0	0.0%	
21.0%	15,000	15,000	0	0.0%	
22.2%	15,000	15,000	0	0.0%	
23.5%	15,000	15,000	0	0.0%	
24.7%	15,000	15,000	0	0.0%	
25.9%	15,000	15,000	0	0.0%	
27.2%	15,000	15,000	0	0.0%	
28.4%	15,000	15,000	0	0.0%	
29.6%	15,000	15,000	0	0.0%	
30.9%	15,000	15,000	0	0.0%	
32.1%	15,000	15,000	0	0.0%	
33.3%	14,963	15,000	37	0.2%	
34.6%	14,959	15,000	41	0.3%	
35.8%	14,918	15,000	82	0.6%	
37.0%	14,894	15,000	106	0.7%	
38.3%	14,829	15,000	171	1.2%	
39.5%	14,811	15,000	189	1.3%	
40.7%	14,775	15,000	225	1.5%	
42.0%	14,773	15,000	227	1.5%	
43.2%	14,682	15,000	318	2.2%	
44.4%	14,759	14,864	105	0.7%	
45.7%	14,758	14,819	61	0.4%	
46.9%	14,758	14,777	19	0.1%	
48.1%	14,757	14,757	0	0.0%	
49.4%	14,751	14,665	-86	-0.6%	
50.6%	14,669	14,669	-181	-1.2%	
51.9%	14,685	14,437	-248	-1.7%	
53.1%	14,662	14,434	-228	-1.6%	
54.3%	14,639	14,373	-266	-1.8%	
55.6%	14,638	14,175	-463	-3.2%	
56.8%	14,583	14,017	-567	-3.9%	
58.0%	14,445	13,978	-466	-3.2%	
59.3%	14,293	13,977	-317	-2.2%	
60.5%	14,246	13,893	-353	-2.5%	
61.7%	14,196	13,800	-395	-2.8%	
63.0%	14,036	13,775	-262	-1.9%	
64.2%	13,910	13,631	-280	-2.0%	
65.4%	13,828	13,530	-298	-2.2%	
66.7%	13,708	13,457	-252	-1.8%	
67.9%	13,374	13,376	3	0.0%	
69.1%	13,244	13,306	62	0.5%	
70.4%	13,203	13,173	-30	-0.2%	
71.6%	13,180	13,012	-168	-1.3%	
72.8%	13,066	12,981	-84	-0.6%	
74.1%	12,982	12,881	-101	-0.8%	
75.3%	12,972	12,740	-233	-1.8%	
76.5%	12,894	12,500	-394	-3.1%	
77.8%	12,809	12,500	-309	-2.4%	
79.0%	12,798	12,500	-298	-2.3%	
80.2%	12,636	12,500	-136	-1.1%	
81.5%	12,341	12,484	143	1.2%	
82.7%	12,139	12,405	266	2.2%	
84.0%	12,045	12,356	311	2.6%	
85.2%	11,915	11,880	-35	-0.3%	
86.4%	11,663	11,758	94	0.8%	
87.7%	11,317	11,727	410	3.6%	
88.9%	11,311	11,700	389	3.4%	
90.1%	11,260	11,675	415	3.7%	
91.4%	11,152	11,621	469	4.2%	
92.6%	10,436	11,427	991	9.5%	
93.8%	9,981	11,309	1,328	13.3%	
95.1%	9,419	11,225	1,806	19.2%	
96.3%	9,414	10,900	1,486	15.8%	
97.5%	9,316	10,785	1,469	15.8%	
98.8%	9,247	10,620	1,373	14.8%	
100.0%	6,034	6,143	109	1.8%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	13,240	12,469	-772	-5.8%	
1.2%	13,202	12,447	-755	-5.7%	
2.5%	12,519	11,913	-606	-4.8%	
3.7%	12,304	11,674	-631	-5.1%	
4.9%	12,271	11,641	-630	-5.1%	
6.2%	11,996	11,628	-368	-3.1%	
7.4%	11,983	11,443	-540	-4.5%	
8.6%	11,891	11,305	-585	-4.9%	
9.9%	11,852	11,305	-546	-4.6%	
11.1%	11,850	11,100	-750	-6.4%	
12.3%	11,516	10,760	-757	-6.6%	
13.6%	11,380	10,681	-699	-6.1%	
14.8%	11,370	10,579	-791	-7.0%	
16.0%	11,337	10,546	-790	-7.0%	
17.3%	11,261	10,444	-818	-7.3%	
18.5%	11,217	10,425	-792	-7.1%	
19.8%	11,112	10,383	-729	-6.6%	
21.0%	11,017	10,348	-669	-6.1%	
22.2%	10,989	10,331	-658	-6.0%	
23.5%	10,983	10,311	-672	-6.1%	
24.7%	10,892	10,215	-677	-6.2%	
25.9%	10,846	10,110	-736	-6.8%	
27.2%	10,694	10,060	-634	-5.9%	
28.4%	10,604	10,057	-547	-5.2%	
29.6%	10,460	10,000	-460	-4.4%	
30.9%	10,394	10,000	-394	-3.8%	
32.1%	10,383	10,000	-383	-3.7%	
33.3%	10,350	10,000	-350	-3.4%	
34.6%	10,321	10,000	-321	-3.1%	
35.8%	10,313	10,000	-313	-3.0%	
37.0%	10,258	10,000	-258	-2.5%	
38.3%	10,154	10,000	-154	-1.5%	
39.5%	10,025	10,000	-25	-0.3%	
40.7%	9,934	10,000	66	0.7%	
42.0%	9,928	10,000	72	0.7%	
43.2%	9,901	10,000	99	1.0%	
44.4%	9,890	10,000	110	1.1%	
45.7%	9,863	10,000	137	1.4%	
46.9%	9,662	10,000	338	3.5%	
48.1%	9,540	10,000	460	4.8%	
49.4%	9,491	10,000	509	5.4%	
50.6%	9,436	10,000	564	6.0%	
51.9%	9,418	10,000	582	6.2%	
53.1%	9,401	10,000	599	6.4%	
54.3%	9,354	10,000	646	6.9%	
55.6%	9,168	9,996	829	9.0%	
56.8%	9,117	9,987	871	9.5%	
58.0%	9,085	9,966	881	9.7%	
59.3%	9,053	9,943	890	9.8%	
60.5%	9,052	9,723	671	7.4%	

Figure SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

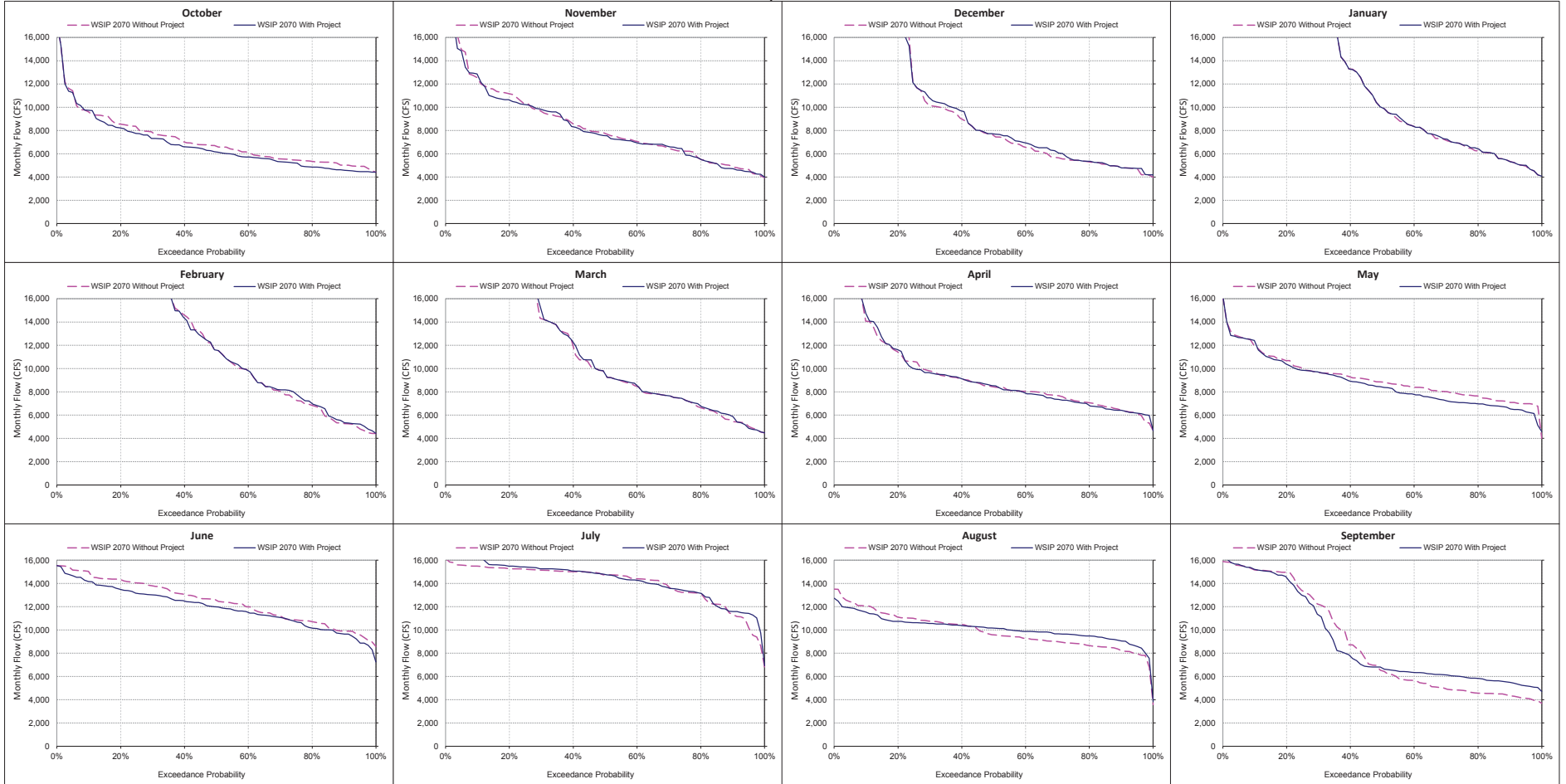




Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	17,498	17,295	-204	-1.2%	
1.2%	15,310	15,310	0	0.0%	
2.5%	12,189	12,021	-167	-1.4%	
3.7%	11,614	11,376	-238	-2.1%	
4.9%	11,420	11,258	-162	-1.4%	
6.2%	10,131	10,338	206	2.0%	
7.4%	9,783	10,142	360	3.7%	
8.6%	9,778	9,754	-24	-0.2%	
9.9%	9,507	9,741	234	2.5%	
11.1%	9,358	9,710	352	3.8%	
12.3%	9,330	9,040	-290	-3.1%	
13.6%	9,311	8,850	-461	-5.0%	
14.8%	9,238	8,714	-525	-5.7%	
16.0%	9,206	8,457	-749	-8.1%	
17.3%	8,828	8,441	-388	-4.4%	
18.5%	8,571	8,280	-291	-3.4%	
19.8%	8,559	8,236	-323	-3.8%	
21.0%	8,500	8,163	-337	-4.0%	
22.2%	8,445	7,944	-501	-5.9%	
23.5%	8,382	7,872	-510	-6.1%	
24.7%	8,366	7,758	-608	-7.3%	
25.9%	7,994	7,727	-268	-3.3%	
27.2%	7,952	7,622	-329	-4.1%	
28.4%	7,929	7,610	-319	-4.0%	
29.6%	7,884	7,523	-361	-4.6%	
30.9%	7,645	7,323	-322	-4.2%	
32.1%	7,631	7,299	-332	-4.3%	
33.3%	7,570	7,266	-304	-4.0%	
34.6%	7,544	6,987	-557	-7.4%	
35.8%	7,501	6,798	-703	-9.4%	
37.0%	7,465	6,779	-687	-9.2%	
38.3%	7,263	6,762	-502	-6.9%	
39.5%	7,043	6,613	-430	-6.1%	
40.7%	6,944	6,592	-352	-5.1%	
42.0%	6,928	6,563	-364	-5.3%	
43.2%	6,926	6,484	-442	-6.4%	
44.4%	6,920	6,484	-436	-6.3%	
45.7%	6,781	6,438	-342	-5.0%	
46.9%	6,770	6,289	-481	-7.1%	
48.1%	6,719	6,274	-445	-6.6%	
49.4%	6,709	6,171	-538	-8.0%	
50.6%	6,576	6,124	-452	-6.9%	
51.9%	6,575	6,059	-516	-7.8%	
53.1%	6,568	6,016	-552	-8.4%	
54.3%	6,420	5,998	-422	-6.6%	
55.6%	6,363	5,963	-400	-6.3%	
56.8%	6,304	5,916	-388	-6.1%	
58.0%	6,166	5,751	-415	-6.7%	
59.3%	6,159	5,716	-442	-7.2%	
60.5%	6,069	5,715	-353	-5.8%	
61.7%	5,890	5,677	-213	-3.6%	
63.0%	5,848	5,659	-189	-3.2%	
64.2%	5,782	5,607	-175	-3.0%	
65.4%	5,646	5,587	-59	-1.1%	
66.7%	5,737	5,555	-183	-3.2%	
67.9%	5,621	5,449	-172	-3.1%	
69.1%	5,572	5,322	-251	-4.5%	
70.4%	5,553	5,303	-250	-4.5%	
71.6%	5,541	5,298	-243	-4.4%	
72.8%	5,523	5,269	-254	-4.6%	
74.1%	5,466	5,213	-253	-4.6%	
75.3%	5,449	5,200	-249	-4.6%	
76.5%	5,422	4,936	-487	-9.0%	
77.8%	5,400	4,893	-507	-9.4%	
79.0%	5,382	4,868	-514	-9.5%	
80.2%	5,340	4,853	-487	-9.1%	
81.5%	5,288	4,843	-446	-8.4%	
82.7%	5,285	4,838	-447	-8.5%	
84.0%	5,278	4,758	-520	-9.9%	
85.2%	5,278	4,730	-548	-10.4%	
86.4%	5,247	4,662	-585	-11.2%	
87.7%	5,203	4,627	-576	-11.1%	
88.9%	5,030	4,618	-412	-8.2%	
90.1%	5,021	4,582	-439	-8.7%	
91.4%	5,019	4,547	-472	-9.4%	
92.6%	4,951	4,542	-408	-8.2%	
93.8%	4,928	4,492	-436	-8.8%	
95.1%	4,925	4,475	-450	-9.1%	
96.3%	4,918	4,455	-463	-9.4%	
97.5%	4,734	4,455	-280	-5.9%	
98.8%	4,548	4,224	-324	-7.2%	
100.0%	4,407	4,424	17	0.4%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	23,306	24,192	886	3.8%	
1.2%	21,067	23,129	2,062	9.8%	
2.5%	19,284	17,433	-1,852	-9.6%	
3.7%	16,142	15,063	-1,079	-6.7%	
4.9%	14,954	14,852	-102	-0.7%	
6.2%	14,739	13,438	-1,301	-8.8%	
7.4%	12,866	12,959	93	0.7%	
8.6%	12,737	12,941	203	1.6%	
9.9%	12,549	12,871	322	2.6%	
11.1%	11,994	12,124	130	1.1%	
12.3%	11,831	11,736	-95	-0.8%	
13.6%	11,622	11,025	-597	-5.1%	
14.8%	11,572	10,959	-613	-5.3%	
16.0%	11,361	10,794	-567	-5.0%	
17.3%	11,288	10,727	-561	-5.0%	
18.5%	11,258	10,660	-597	-5.3%	
19.8%	11,176	10,641	-535	-4.8%	
21.0%	11,094	10,600	-494	-4.5%	
22.2%	10,851	10,424	-427	-3.9%	
23.5%	10,567	10,291	-276	-2.6%	
24.7%	10,295	10,244	-51	-0.5%	
25.9%	10,280	10,186	-93	-0.9%	
27.2%	9,917	10,088	172	1.7%	
28.4%	9,793	9,903	110	1.1%	
29.6%	9,254	9,251	-3	-0.0%	
30.9%	9,501	9,728	226	2.4%	
32.1%	9,388	9,638	250	2.7%	
33.3%	9,359	9,606	247	2.6%	
34.6%	9,241	9,603	362	3.9%	
35.8%	9,192	9,422	230	2.5%	
37.0%	9,032	9,504	472	5.2%	
38.3%	8,908	8,815	-93	-1.0%	
39.5%	8,657	8,354	-303	-3.5%	
40.7%	8,621	8,269	-352	-4.1%	
42.0%	8,396	8,139	-257	-3.1%	
43.2%	8,153	8,365	212	2.6%	
44.4%	8,137	7,859	-279	-3.4%	
45.7%	7,929	7,829	-100	-1.3%	
46.9%	7,907	7,740	-167	-2.1%	
48.1%	7,865	7,636	-229	-2.9%	
49.4%	7,820	7,562	-258	-3.3%	
50.6%	7,624	7,677	53	0.7%	
51.9%	7,553	7,292	-261	-3.5%	
53.1%	7,540	7,255	-285	-3.8%	
54.3%	7,387	7,227	-160	-2.2%	
55.6%	7,291	7,186	-105	-1.4%	
56.8%	7,240	7,135	-105	-1.5%	
58.0%	7,219	7,121	-98	-1.4%	
59.3%	7,098	6,989	-109	-1.5%	
60.5%	7,028	6,917	-111	-1.6%	
61.7%	6,913	6,849	-64	-0.9%	
63.0%	6,871	6,837	-34	-0.5%	
64.2%	6,812	6,831	19	0.3%	
65.4%	6,782	6,821	39	0.6%	
66.7%	6,688	6,809	121	1.8%	
67.9%	6,676	6,806	130	1.9%	
69.1%	6,571	6,685	113	1.7%	
70.4%	6,435	6,597	162	2.5%	
71.6%	6,336	6,573	236	3.7%	
72.8%	6,252	6,470	218	3.5%	
74.1%	6,246	6,444	198	3.2%	
75.3%	6,226	5,881	-345	-5.5%	
76.5%	6,215	5,866	-349	-5.6%	
77.8%	6,147	5,738	-409	-6.7%	
79.0%	6,659	5,664	-995	-14.9%	
80.2%	5,486	5,480	-6	-0.1%	
81.5%	5,476	5,372	-104	-1.9%	
82.7%	5,215	5,305	90	1.7%	
84.0%	5,198	5,225	27	0.5%	
85.2%	5,156	5,131	-25	-0.5%	
86.4%	4,933	4,805	-128	-2.6%	
87.7%	5,048	4,744	-304	-6.0%	
88.9%	5,013	4,729	-284	-5.7%	
90.1%	4,856	4,719	-136	-2.8%	
91.4%	4,911	4,812	-99	-2.0%	
92.6%	4,709	4,569	-141	-3.0%	
93.8%	4,683	4,486	-197	-4.2%	
95.1%	4,646	4,459	-188	-4.0%	
96.3%	4,299	4,410	111	2.6%	
97.5%	4,236	4,268	32	0.8%	
98.8%	4,104	4,237	133	3.2%	
100.0%	3,953	3,983	30	0.7%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	50,639	50,217	-422	-0.8%	
1.2%	40,890	44,816	3,925	9.6%	
2.5%	38,531	38,521	-10	-0.0%	
3.7%	37,841	37,840	-1	0.0%	
4.9%	36,141	35,290	-851	-2.4%	
6.2%	35,279	34,720	-559	-1.6%	
7.4%	33,508	32,094	-1,414	-4.2%	
8.6%	27,964	26,975	-989	-3.5%	
9.9%	26,210	26,303	93	0.4%	
11.1%	24,909	25,211	303	1.2%	
12.3%	22,457	22,470	13	0.1%	
13.6%	19,712	21,635	1,923	9.8%	
14.8%	18,920	18,665	-255	-1.3%	
16.0%	18,668	18,481	-187	-1.0%	
17.3%	17,642	18,114	472	2.7%	
18.5%	17,526	17,529	3	0.0%	
19.8%	17,412	17,497	85	0.5%	
21.0%	16,623	17,412	789	4.7%	
22.2%	16,559	16,075	-484	-2.9%	
23.5%	16,070	15,262	-808	-5.0%	
24.7%	12,122	12,124	2	0.0%	
25.9%	11,674	11,673	-1	0.0%	
27.2%	11,446	11,450	4	0.0%	
28.4%	10,557	11,312	755	7.2%	
29.6%	10,138	10,165	27	0.3%	
30.9%	10,097	10,555	458	4.5%	
32.1%	10,056	10,441	385	3.8%	
33.3%	9,991	10,381	390	3.9%	
34.6%	9,886	10,312	426	4.3%	
35.8%	9,717	10,102	385	4.0%	
37.0%	9,636	9,992	356	3.7%	
38.3%	9,452	9,887	435	4.6%	
39.5%	9,062	9,707	645	7.1%	
40.7%	8,874	9,627	753	8.5%	
42.0%	8,630	8,637	7	0.1%	
43.2%	8,365	8,365	0	0.0%	
44.4%	8,018	8,018	0	0.0%	
45.7%	8,003	8,003	0	0.0%	
46.9%	7,812	7,884	72	0.9%	
48.1%	7,723	7,723	0	0.0%	
49.4%	7,676	7,719	43	0.6%	
50.6%	7,425	7,676	251	3.4%	
51.9%	7,436	7,662	227	3.0%	
53.1%	7,371	7,554	183	2.5%	
54.3%	7,104	7,551	448	6.3%	
55.6%	6,909	7,370	461	6.7%	
56.8%	6,883	7,110	227	3.3%	
58.0%	6,804	7,062	258	3.8%	
59.3%	6,609	6,964	355	5.4%	
60.5%	6,509	6,909	399	6.1%	
61.7%	6,508	6,800	292	4.5%	
63.0%	6,232	6,614	382	6.1%	
64.2%	6,202	6,529	327	5.3%	
65.4%	6,130	6,513	383	6.3%	
66.7%	6,024	6,511	488	8.1%</	



Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	96,195	96,198	3	0.0%
1.2%	91,807	91,814	6	0.0%
2.5%	87,869	87,874	3	0.0%
3.7%	84,895	85,941	1,046	1.6%
4.9%	83,317	83,334	16	0.0%
6.2%	80,923	80,923	0	0.0%
7.4%	55,752	55,751	-1	0.0%
8.6%	49,605	49,605	0	0.0%
9.9%	47,738	49,208	1,420	3.0%
11.1%	47,034	47,793	759	1.6%
12.3%	46,522	47,056	533	1.1%
13.6%	46,239	46,183	-57	-0.1%
14.8%	44,669	44,669	0	0.0%
16.0%	43,132	43,132	0	0.0%
17.3%	42,246	42,245	-1	0.0%
18.5%	36,114	36,117	3	0.0%
19.8%	35,792	35,771	-21	-0.1%
21.0%	34,587	34,586	-1	0.0%
22.2%	34,353	34,358	5	0.0%
23.5%	30,197	30,200	3	0.0%
24.7%	29,829	29,824	-5	0.0%
25.9%	25,435	28,140	2,705	10.6%
27.2%	23,863	25,434	1,571	6.6%
28.4%	23,384	24,202	819	3.6%
29.6%	22,627	23,359	733	3.2%
30.9%	21,701	22,454	753	3.5%
32.1%	21,217	22,243	1,026	4.8%
33.3%	20,196	20,035	-161	-0.8%
34.6%	17,087	17,087	0	0.0%
35.8%	16,073	16,071	-3	0.0%
37.0%	15,185	14,964	-222	-1.5%
38.3%	14,969	14,940	-28	-0.2%
39.5%	14,683	14,440	-243	-1.7%
40.7%	14,438	14,117	-321	-2.2%
42.0%	14,117	13,327	-790	-5.6%
43.2%	13,328	13,328	0	0.0%
44.4%	13,317	12,951	-366	-2.7%
45.7%	12,955	12,694	-261	-2.0%
46.9%	12,285	12,443	158	1.3%
48.1%	12,194	12,285	91	0.7%
49.4%	11,613	11,617	4	0.0%
50.6%	11,538	11,541	3	0.0%
51.9%	11,223	11,217	-6	0.0%
53.1%	10,847	10,850	3	0.0%
54.3%	10,612	10,613	1	0.0%
55.6%	10,331	10,488	156	1.5%
56.8%	10,033	10,331	298	3.0%
58.0%	9,988	10,033	43	0.4%
59.3%	9,936	9,939	2	0.0%
60.5%	9,721	9,720	-1	0.0%
61.7%	9,212	9,214	2	0.0%
63.0%	8,906	8,798	-9	-0.1%
64.2%	8,778	8,778	0	0.0%
65.4%	8,448	8,449	1	0.0%
66.7%	8,447	8,449	1	0.0%
67.9%	8,163	8,320	157	1.9%
69.1%	8,125	8,205	80	1.0%
70.4%	8,003	8,165	163	2.0%
71.6%	7,746	8,192	417	5.4%
72.8%	7,728	8,125	397	5.1%
74.1%	7,459	8,007	547	7.3%
75.3%	7,242	7,745	502	6.9%
76.5%	7,205	7,461	254	3.5%
77.8%	6,957	7,246	289	4.2%
79.0%	6,934	7,206	272	3.9%
80.2%	6,818	6,940	123	1.8%
81.5%	6,715	6,816	101	1.5%
82.7%	6,550	6,721	171	2.6%
84.0%	5,934	6,555	621	10.5%
85.2%	5,803	6,332	129	2.2%
86.4%	5,595	5,805	210	3.8%
87.7%	5,341	5,612	271	5.1%
88.9%	5,315	5,546	231	4.3%
90.1%	5,277	5,340	63	1.2%
91.4%	5,253	5,315	62	1.2%
92.6%	5,221	5,275	54	1.0%
93.8%	5,037	5,253	216	4.3%
95.1%	4,800	5,220	420	8.7%
96.3%	4,666	4,774	374	8.0%
97.5%	4,487	5,041	513	7.0%
98.8%	4,424	4,862	238	5.4%
100.0%	4,421	4,429	8	0.2%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	85,259	85,260	0	0.0%
1.2%	78,609	78,612	3	0.0%
2.5%	58,308	58,309	2	0.0%
3.7%	50,260	50,262	2	0.0%
4.9%	39,261	38,864	-396	-1.0%
6.2%	37,371	37,366	-5	0.0%
7.4%	35,389	35,393	4	0.0%
8.6%	35,174	34,304	-870	-2.5%
9.9%	34,322	33,893	-430	-1.3%
11.1%	29,847	29,847	0	0.0%
12.3%	25,305	25,307	3	0.0%
13.6%	22,954	22,953	-1	0.0%
14.8%	22,326	22,410	84	0.4%
16.0%	22,165	22,325	160	0.7%
17.3%	21,866	22,165	299	1.4%
18.5%	21,463	21,868	405	1.9%
19.8%	20,756	20,675	-81	-0.4%
21.0%	20,454	20,663	109	0.5%
22.2%	19,796	19,719	-77	-0.4%
23.5%	19,764	19,238	-526	-2.7%
24.7%	19,235	18,709	-527	-2.7%
25.9%	18,707	18,410	-297	-1.6%
27.2%	17,092	17,093	1	0.0%
28.4%	16,228	16,497	270	1.7%
29.6%	14,326	14,326	0	0.0%
30.9%	14,218	14,216	-2	0.0%
32.1%	14,090	14,091	1	0.0%
33.3%	13,929	13,948	19	0.1%
34.6%	13,794	13,792	-2	0.0%
35.8%	13,276	13,274	-2	0.0%
37.0%	13,128	12,994	-134	-1.0%
38.3%	13,006	12,828	-179	-1.4%
39.5%	12,384	12,473	89	0.7%
40.7%	11,162	11,962	799	7.2%
42.0%	10,755	11,163	408	3.8%
43.2%	10,742	10,777	35	0.3%
44.4%	10,642	10,756	114	1.1%
45.7%	10,112	10,743	632	6.2%
46.9%	10,033	10,001	-32	-0.3%
48.1%	9,856	9,851	-6	-0.1%
49.4%	9,814	9,817	2	0.0%
50.6%	9,254	9,254	0	0.0%
51.9%	9,222	9,219	-3	0.0%
53.1%	9,111	9,111	0	0.0%
54.3%	9,026	9,017	-9	-0.1%
55.6%	8,889	8,979	89	1.0%
56.8%	8,790	8,867	96	1.1%
58.0%	8,744	8,790	46	0.5%
59.3%	8,538	8,736	198	2.3%
60.5%	8,425	8,416	-9	-0.1%
61.7%	8,002	8,008	6	0.1%
63.0%	7,878	8,001	123	1.6%
64.2%	7,849	7,905	57	0.7%
65.4%	7,844	7,842	-2	0.0%
66.7%	7,797	7,799	2	0.0%
67.9%	7,746	7,748	2	0.0%
69.1%	7,678	7,682	4	0.0%
70.4%	7,651	7,650	-1	0.0%
71.6%	7,510	7,509	-1	0.0%
72.8%	7,478	7,480	2	0.0%
74.1%	7,450	7,450	0	0.0%
75.3%	7,266	7,266	0	0.0%
76.5%	7,147	7,155	8	0.1%
77.8%	6,977	7,051	74	1.1%
79.0%	6,734	6,978	244	3.6%
80.2%	6,618	6,737	119	1.8%
81.5%	6,507	6,621	113	1.7%
82.7%	6,417	6,507	90	1.4%
84.0%	6,347	6,402	55	0.9%
85.2%	6,150	6,348	198	3.2%
86.4%	5,936	6,152	217	3.6%
87.7%	5,656	6,124	468	8.3%
88.9%	5,614	6,016	402	7.2%
90.1%	5,440	5,863	422	7.8%
91.4%	5,416	5,416	0	0.0%
92.6%	5,383	5,337	-45	-0.8%
93.8%	5,336	5,171	-164	-3.1%
95.1%	5,016	4,866	-151	-3.0%
96.3%	4,866	4,774	-93	-1.9%
97.5%	4,773	4,723	-50	-1.1%
98.8%	4,543	4,543	0	0.0%
100.0%	4,474	4,480	5	0.1%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	41,544	41,545	1	0.0%
1.2%	32,544	32,544	0	0.0%
2.5%	26,955	26,958	3	0.0%
3.7%	22,882	22,881	-1	0.0%
4.9%	22,055	22,055	0	0.0%
6.2%	19,221	19,221	0	0.0%
7.4%	17,040	16,857	-182	-1.1%
8.6%	15,965	15,967	2	0.0%
9.9%	14,080	14,744	664	4.7%
11.1%	14,044	14,081	37	0.3%
12.3%	13,542	14,046	504	3.7%
13.6%	12,745	13,542	797	6.2%
14.8%	12,385	12,745	360	2.9%
16.0%	12,184	12,156	-28	-0.2%
17.3%	11,970	12,078	108	0.9%
18.5%	11,646	11,724	78	0.7%
19.8%	11,469	11,648	179	1.6%
21.0%	11,194	11,473	279	2.5%
22.2%	10,670	10,669	-1	0.0%
23.5%	10,620	10,222	-398	-3.7%
24.7%	10,619	10,027	-591	-5.6%
25.9%	10,558	9,923	-635	-6.0%
27.2%	10,028	9,918	-110	-1.1%
28.4%	9,916	9,665	-251	-2.5%
29.6%	9,821	9,660	-160	-1.6%
30.9%	9,743	9,576	-167	-1.7%
32.1%	9,604	9,513	-91	-1.0%
33.3%	9,432	9,506	73	0.8%
34.6%	9,367	9,475	107	1.1%
35.8%	9,330	9,379	48	0.5%
37.0%	9,263	9,303	41	0.4%
38.3%	9,234	9,296	62	0.7%
39.5%	9,113	9,168	56	0.6%
40.7%	9,049	9,057	8	0.1%
42.0%	9,009	8,919	-90	-1.0%
43.2%	8,777	8,856	79	0.9%
44.4%	8,812	8,815	3	0.0%
45.7%	8,704	8,786	82	0.9%
46.9%	8,538	8,692	154	1.8%
48.1%	8,525	8,617	92	1.1%
49.4%	8,459	8,538	79	0.9%
50.6%	8,387	8,516	118	1.4%
51.9%	8,383	8,323	-60	-0.7%
53.1%	8,377	8,175	-202	-2.4%
54.3%	8,175	8,164	-11	-0.1%
55.6%	8,099	8,136	36	0.4%
56.8%	8,075	8,121	45	0.6%
58.0%	8,063	8,068	5	0.1%
59.3%	8,049	7,975	-73	-0.9%
60.5%	8,046	7,833	-213	-2.7%
61.7%	8,020	7,828	-192	-2.4%
63.0%	8,002	7,795	-208	-2.6%
64.2%	7,975	7,747	-228	-2.9%
65.4%	7,961	7,698	-263	-3.3%
66.7%	7,767	7,495	-272	-3.5%
67.9%	7,734	7,488	-246	-3.2%
69.1%	7,709	7,377	-333	-4.3%
70.4%	7,667	7,342	-325	-4.2%
71.6%	7,580	7,285	-295	-3.9%
72.8%	7,397	7,284	-113	-1.5%
74.1%	7,354	7,206	-148	-2.0%
75.3%	7,237	7,127	-109	-1.5%
76.5%	7,194	7,085	-109	-1.5%
77.8%	7,133	7,025	-108	-1.5%
79.0%	7,107	7,018	-90	-1.3%
80.2%	7,052	6,779	-272	-3.9%
81.5%	7,002	6,752	-249	-3.6%
82.7%	6,872	6,710	-161	-2.3%
84.0%	6,821	6,690	-131	-1.9%
85.2%	6,714	6,520	-194	-2.9%
86.4%	6,713	6,507	-206	-3.1%
87.7%	6,584	6,429	-155	-2.4%
88.9%	6,521	6,425	-96	-1.5%
90.1				

Table SW-11-b  
Sacramento River at Bend Bridge, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15,523	15,522	-1	0.0%	
1.2%	15,514	15,441	-73	-0.5%	
2.5%	15,498	14,962	-536	-3.5%	
3.7%	15,439	14,775	-665	-4.3%	
4.9%	15,155	14,665	-491	-3.2%	
6.2%	15,129	14,538	-591	-3.9%	
7.4%	15,081	14,536	-544	-3.6%	
8.6%	15,078	14,284	-794	-5.3%	
9.9%	15,041	14,159	-882	-5.9%	
11.1%	14,530	14,129	-401	-2.8%	
12.3%	14,499	13,862	-637	-4.4%	
13.6%	14,428	13,835	-593	-4.1%	
14.8%	14,395	13,790	-605	-4.2%	
16.0%	14,393	13,759	-634	-4.4%	
17.3%	14,368	13,738	-630	-4.4%	
18.5%	14,368	13,582	-785	-5.5%	
19.8%	14,352	13,493	-859	-6.0%	
21.0%	14,218	13,399	-819	-5.8%	
22.2%	14,152	13,367	-785	-5.4%	
23.5%	14,120	13,629	-792	-5.6%	
24.7%	14,046	13,159	-887	-6.3%	
25.9%	14,032	13,123	-909	-6.5%	
27.2%	13,999	13,085	-914	-6.5%	
28.4%	13,859	13,042	-817	-5.9%	
29.6%	13,811	13,012	-799	-5.8%	
30.9%	13,743	12,993	-751	-5.5%	
32.1%	13,728	12,943	-785	-5.7%	
33.3%	13,636	12,894	-742	-5.4%	
34.6%	13,536	12,850	-686	-5.1%	
35.8%	13,298	12,672	-626	-4.7%	
37.0%	13,180	12,553	-627	-4.8%	
38.3%	13,130	12,543	-588	-4.5%	
39.5%	13,088	12,528	-560	-4.3%	
40.7%	12,982	12,427	-555	-4.3%	
42.0%	12,976	12,401	-575	-4.4%	
43.2%	12,906	12,367	-539	-4.2%	
44.4%	12,719	12,361	-358	-2.8%	
45.7%	12,686	12,264	-422	-3.3%	
46.9%	12,680	12,085	-595	-4.7%	
48.1%	12,661	12,034	-627	-5.0%	
49.4%	12,637	12,001	-636	-5.0%	
50.6%	12,452	11,976	-476	-3.8%	
51.9%	12,412	11,874	-538	-4.3%	
53.1%	12,389	11,830	-559	-4.5%	
54.3%	12,349	11,802	-547	-4.4%	
55.6%	12,276	11,705	-571	-4.6%	
56.8%	12,250	11,633	-617	-5.0%	
58.0%	12,241	11,622	-619	-5.1%	
59.3%	11,991	11,594	-397	-3.3%	
60.5%	11,985	11,442	-542	-4.5%	
61.7%	11,737	11,440	-297	-2.5%	
63.0%	11,579	11,330	-249	-2.2%	
64.2%	11,487	11,289	-199	-1.7%	
65.4%	11,484	11,270	-214	-1.9%	
66.7%	11,462	11,220	-242	-2.1%	
67.9%	11,300	11,148	-152	-1.3%	
69.1%	11,113	11,113	-146	-1.3%	
70.4%	11,145	11,068	-80	-0.7%	
71.6%	10,937	10,983	46	0.4%	
72.8%	10,903	10,869	-34	-0.3%	
74.1%	10,885	10,784	-101	-0.9%	
75.3%	10,852	10,679	-173	-1.6%	
76.5%	10,811	10,629	-181	-1.7%	
77.8%	10,797	10,346	-451	-4.2%	
79.0%	10,774	10,217	-557	-5.2%	
80.2%	10,702	10,145	-557	-5.2%	
81.5%	10,633	10,116	-518	-4.9%	
82.7%	10,561	10,030	-531	-5.0%	
84.0%	10,534	10,018	-516	-4.9%	
85.2%	10,177	9,900	-277	-2.7%	
86.4%	10,109	9,883	-226	-2.3%	
87.7%	9,959	9,729	-230	-2.3%	
88.9%	9,910	9,691	-219	-2.2%	
90.1%	9,899	9,641	-258	-2.6%	
91.4%	9,890	9,640	-250	-2.6%	
92.6%	9,882	9,456	-426	-4.3%	
93.8%	9,669	9,236	-433	-4.5%	
95.1%	9,577	9,077	-500	-5.2%	
96.3%	9,346	8,865	-481	-5.1%	
97.5%	9,110	8,699	-410	-4.5%	
98.8%	8,963	8,299	-664	-7.4%	
100.0%	8,577	7,253	-1,325	-15.4%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	16,161	20,445	4,284	26.5%	
1.2%	15,947	20,068	4,220	26.8%	
2.5%	15,795	19,339	3,544	22.4%	
3.7%	15,594	19,055	3,462	22.2%	
4.9%	15,574	19,006	3,431	22.0%	
6.2%	15,547	18,999	3,451	22.2%	
7.4%	15,496	18,710	3,214	20.7%	
8.6%	15,463	18,173	2,800	17.3%	
9.9%	15,462	16,918	1,426	9.2%	
11.1%	15,460	16,285	825	5.3%	
12.3%	15,422	15,932	510	3.3%	
13.6%	15,364	15,630	266	1.7%	
14.8%	15,353	15,607	255	1.7%	
16.0%	15,348	15,598	250	1.6%	
17.3%	15,330	15,585	255	1.7%	
18.5%	15,322	15,557	235	1.5%	
19.8%	15,268	15,494	226	1.5%	
21.0%	15,259	15,492	233	1.5%	
22.2%	15,257	15,457	200	1.3%	
23.5%	15,254	15,420	166	1.1%	
24.7%	15,240	15,414	174	1.1%	
25.9%	15,208	15,386	178	1.2%	
27.2%	15,186	15,362	176	1.2%	
28.4%	15,166	15,349	183	1.2%	
29.6%	15,149	15,326	177	1.2%	
30.9%	15,137	15,261	124	0.8%	
32.1%	15,123	15,256	133	0.9%	
33.3%	15,083	15,248	166	1.1%	
34.6%	15,069	15,244	175	1.2%	
35.8%	15,048	15,204	156	1.0%	
37.0%	15,046	15,188	142	0.9%	
38.3%	15,012	15,177	165	1.1%	
39.5%	15,012	15,071	59	0.4%	
40.7%	15,011	15,049	38	0.3%	
42.0%	14,995	15,048	53	0.4%	
43.2%	14,994	15,020	26	0.2%	
44.4%	14,983	14,957	-26	-0.2%	
45.7%	14,951	14,948	-3	0.0%	
46.9%	14,940	14,873	-67	-0.4%	
48.1%	14,872	14,856	-16	-0.1%	
49.4%	14,743	14,791	48	0.3%	
50.6%	14,737	14,738	1	0.0%	
51.9%	14,732	14,713	-19	-0.1%	
53.1%	14,725	14,636	-89	-0.6%	
54.3%	14,703	14,455	-248	-1.7%	
55.6%	14,655	14,393	-262	-1.8%	
56.8%	14,619	14,330	-289	-2.0%	
58.0%	14,454	14,312	-143	-1.0%	
59.3%	14,407	14,298	-109	-0.8%	
60.5%	14,393	14,246	-148	-1.0%	
61.7%	14,379	14,179	-200	-1.4%	
63.0%	14,355	14,055	-301	-2.1%	
64.2%	14,295	13,974	-320	-2.2%	
65.4%	14,266	13,956	-310	-2.2%	
66.7%	14,256	13,902	-354	-2.5%	
67.9%	14,006	13,747	-259	-1.8%	
69.1%	13,924	13,679	-245	-1.8%	
70.4%	13,605	13,567	-38	-0.3%	
71.6%	13,463	13,549	86	0.6%	
72.8%	13,313	13,492	179	1.3%	
74.1%	13,236	13,424	187	1.4%	
75.3%	13,225	13,362	137	1.0%	
76.5%	13,217	13,319	102	0.8%	
77.8%	13,191	13,288	96	0.7%	
79.0%	13,180	13,215	35	0.3%	
80.2%	13,074	13,142	68	0.5%	
81.5%	12,623	12,831	208	1.6%	
82.7%	12,299	12,794	495	4.0%	
84.0%	12,232	12,236	4	0.0%	
85.2%	12,211	12,008	-203	-1.7%	
86.4%	12,184	11,835	-349	-2.9%	
87.7%	11,995	11,818	-178	-1.5%	
88.9%	11,469	11,606	137	1.2%	
90.1%	11,308	11,586	277	2.4%	
91.4%	11,155	11,578	424	3.8%	
92.6%	11,127	11,495	368	3.3%	
93.8%	10,966	11,443	477	4.3%	
95.1%	10,158	11,419	1,261	12.4%	
96.3%	9,550	11,293	1,742	18.2%	
97.5%	9,394	11,035	1,641	17.5%	
98.8%	9,264	9,759	495	5.3%	
100.0%	6,814	6,919	106	1.5%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	13,509	12,733	-775	-5.7%	
1.2%	13,495	12,472	-1,023	-7.6%	
2.5%	12,836	11,993	-843	-6.6%	
3.7%	12,569	11,959	-610	-4.9%	
4.9%	12,423	11,908	-515	-4.1%	
6.2%	12,362	11,866	-497	-4.0%	
7.4%	12,101	11,728	-373	-3.1%	
8.6%	12,085	11,630	-455	-3.8%	
9.9%	12,058	11,527	-531	-4.4%	
11.1%	12,043	11,593	-450	-3.7%	
12.3%	11,883	11,385	-498	-4.2%	
13.6%	11,585	11,277	-309	-2.7%	
14.8%	11,474	10,964	-510	-4.4%	
16.0%	11,419	10,882	-537	-4.7%	
17.3%	11,333	10,813	-520	-4.6%	
18.5%	11,317	10,748	-569	-5.0%	
19.8%	11,114	10,744	-370	-3.3%	
21.0%	11,048	10,736	-311	-2.8%	
22.2%	11,042	10,665	-376	-3.4%	
23.5%	11,018	10,656	-362	-3.3%	
24.7%	11,003	10,628	-375	-3.4%	
25.9%	12,038	10,627	-1,411	-11.7%	
27.2%	10,828	10,610	-218	-2.0%	
28.4%	10,820	10,600	-220	-2.0%	
29.6%	10,759	10,566	-193	-1.8%	
30.9%	10,732	10,554	-178	-1.7%	
32.1%	10,716	10,518	-198	-1.8%	
33.3%	10,659	10,513	-146	-1.4%	
34.6%	10,568	10,502	-65	-0.6%	
35.8%	10,535	10,460	-76	-0.7%	
37.0%	10,506	10,421	-85	-0.8%	
38.3%	10,484	10,418	-66	-0.6%	
39.5%	10,474	10,394	-81	-0.8%	
40.7%	10,450	10,349	-101	-1.0%	
42.0%	10,330	10,319	-11	-0.1%	
43.2%	10,320	10,316	-4	-0.0%	
44.4%	10,289	10,199	-109	-1.1%	
45.7%	9,903	10,264	361	3.6%	
46.9%	9,815	10,248	433	4.4%	
48.1%	9,880	10,173	493	5.1%	
49.4%	9,592	10,169	577	6.0%	
50.6%	9,561	10,142	581	6.1%	
51.9%	9,512	10,134	621	6.5%	
53.1%	9,487	10,116	630	6.6%	
54.3%	9,472	10,006	534	5.6%	
55.6%	9,442	9,982	540	5.7%	
56.8%	9,410	9,931	521	5.5%	
58.0%	9,403	9,922	518	5.5%	
59.3%	9,289	9,877	589	6.3%	
60.					

Figure SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

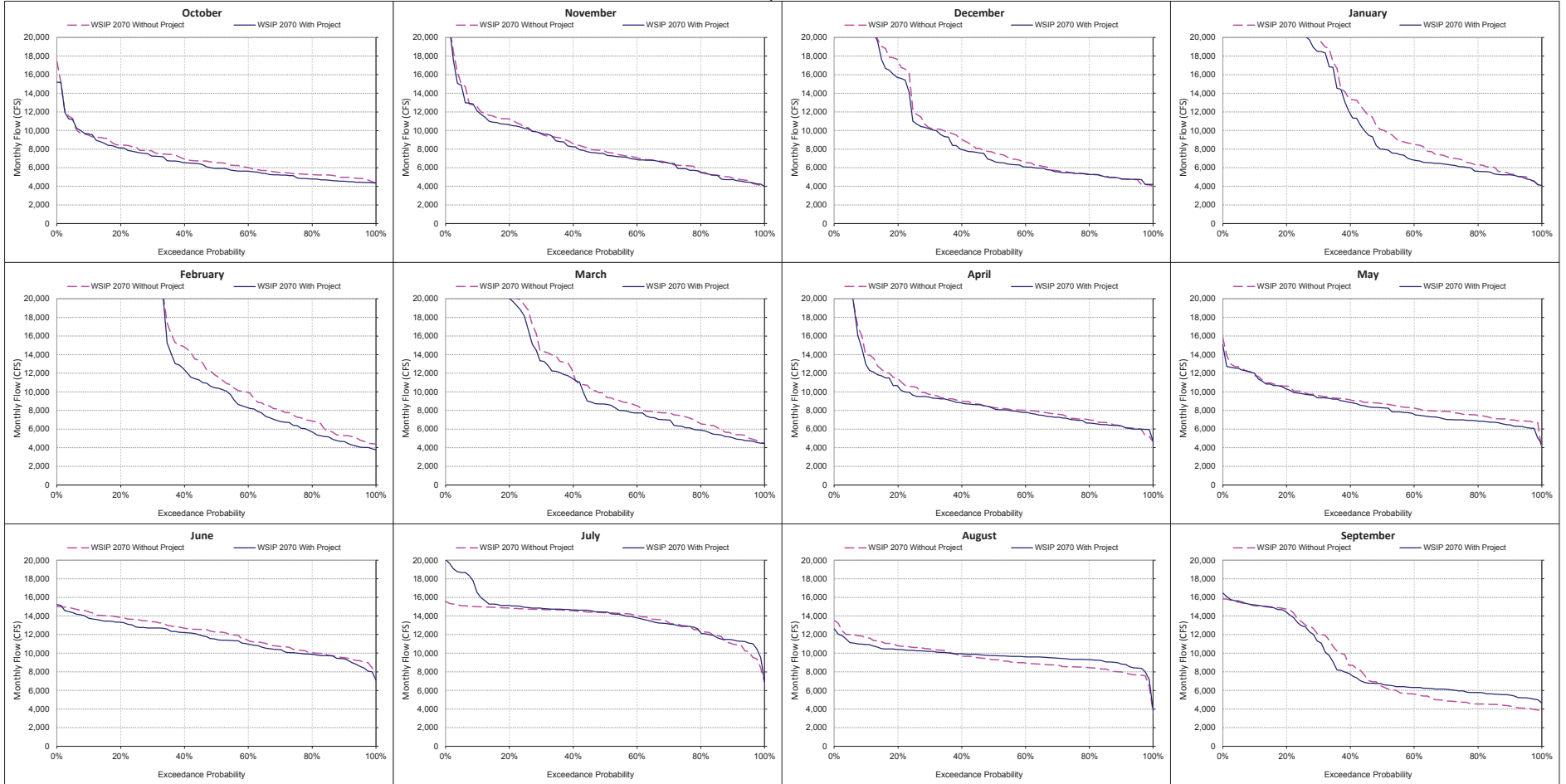


Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,452	15,206	-2,246	-12.9%
1.2%	15,206	15,181	-25	-0.2%
2.5%	12,107	11,940	-167	-1.4%
3.7%	11,536	11,259	-277	-2.4%
4.9%	11,302	11,179	-123	-1.1%
6.2%	10,044	10,251	206	2.1%
7.4%	9,695	10,007	311	3.2%
8.6%	9,621	9,690	69	0.7%
9.9%	9,354	9,534	180	1.9%
11.1%	9,304	9,554	251	2.7%
12.3%	9,274	8,937	-337	-3.6%
13.6%	9,257	8,794	-463	-5.0%
14.8%	9,162	8,638	-523	-5.7%
16.0%	9,152	8,403	-749	-8.2%
17.3%	8,692	8,364	-329	-3.8%
18.5%	8,474	8,229	-245	-2.9%
19.8%	8,456	8,114	-342	-4.0%
21.0%	8,425	8,110	-315	-3.7%
22.2%	8,391	7,872	-519	-6.2%
23.5%	8,279	7,672	-607	-7.3%
24.7%	8,243	7,679	-565	-6.8%
25.9%	7,872	7,596	-276	-3.5%
27.2%	7,863	7,546	-318	-4.0%
28.4%	7,829	7,519	-310	-4.0%
29.6%	7,827	7,556	-271	-3.5%
30.9%	7,577	7,243	-334	-4.4%
32.1%	7,531	7,213	-318	-4.2%
33.3%	7,472	7,169	-303	-4.1%
34.6%	7,448	6,759	-688	-9.2%
35.8%	7,416	6,711	-705	-9.5%
37.0%	7,402	6,708	-694	-9.4%
38.3%	7,157	6,662	-495	-6.9%
39.5%	6,990	6,538	-452	-6.5%
40.7%	6,848	6,519	-329	-4.8%
42.0%	6,785	6,501	-284	-4.2%
43.2%	6,726	6,298	-428	-6.4%
44.4%	6,732	6,430	-302	-4.5%
45.7%	6,730	6,335	-394	-5.9%
46.9%	6,716	6,089	-627	-9.3%
48.1%	6,632	6,005	-627	-9.5%
49.4%	6,586	5,916	-670	-10.2%
50.6%	6,521	5,915	-606	-9.3%
51.9%	6,517	5,915	-603	-9.2%
53.1%	6,434	5,901	-533	-8.3%
54.3%	6,278	5,756	-522	-8.3%
55.6%	6,244	5,681	-562	-9.0%
56.8%	6,235	5,648	-587	-9.4%
58.0%	6,080	5,636	-443	-7.4%
59.3%	6,066	5,629	-437	-7.2%
60.5%	5,967	5,605	-362	-6.1%
61.7%	5,836	5,540	-296	-5.1%
63.0%	5,778	5,522	-256	-4.4%
64.2%	5,707	5,401	-306	-5.4%
65.4%	5,700	5,389	-310	-5.4%
66.7%	5,656	5,271	-385	-6.8%
67.9%	5,565	5,250	-315	-5.7%
69.1%	5,510	5,234	-276	-5.0%
70.4%	5,468	5,221	-248	-4.5%
71.6%	5,456	5,214	-241	-4.4%
72.8%	5,430	5,159	-271	-5.0%
74.1%	5,368	5,158	-210	-3.9%
75.3%	5,350	4,882	-468	-8.7%
76.5%	5,328	4,825	-503	-9.4%
77.8%	5,299	4,825	-474	-8.9%
79.0%	5,280	4,796	-484	-9.2%
80.2%	5,256	4,786	-471	-9.0%
81.5%	5,231	4,784	-447	-8.6%
82.7%	5,224	4,694	-530	-10.1%
84.0%	5,220	4,663	-557	-10.3%
85.2%	5,218	4,666	-551	-10.6%
86.4%	5,173	4,608	-565	-10.9%
87.7%	5,093	4,574	-519	-10.2%
88.9%	4,969	4,566	-403	-8.1%
90.1%	4,866	4,546	-319	-6.6%
91.4%	4,865	4,469	-396	-8.1%
92.6%	4,897	4,484	-413	-8.4%
93.8%	4,873	4,439	-434	-8.9%
95.1%	4,842	4,438	-404	-8.3%
96.3%	4,838	4,408	-430	-8.9%
97.5%	4,681	4,398	-283	-6.0%
98.8%	4,494	4,370	-123	-2.7%
100.0%	4,353	4,348	-5	-0.1%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,392	24,270	878	3.8%
1.2%	21,150	21,091	-59	-0.3%
2.5%	19,405	17,545	-1,860	-9.6%
3.7%	16,267	15,089	-1,179	-7.2%
4.9%	14,971	14,859	-111	-0.7%
6.2%	14,739	12,966	-1,774	-12.0%
7.4%	12,853	12,953	99	0.8%
8.6%	12,731	12,858	127	1.0%
9.9%	12,582	12,115	-467	-3.7%
11.1%	11,993	11,756	-237	-2.0%
12.3%	11,830	11,442	-388	-3.3%
13.6%	11,650	11,011	-640	-5.5%
14.8%	11,558	10,890	-668	-5.8%
16.0%	11,379	10,862	-517	-4.5%
17.3%	11,284	10,722	-561	-5.0%
18.5%	11,264	10,678	-586	-5.2%
19.8%	11,253	10,629	-624	-5.5%
21.0%	11,121	10,625	-496	-4.5%
22.2%	10,831	10,498	-333	-3.1%
23.5%	10,676	10,371	-305	-2.8%
24.7%	10,368	10,233	-135	-1.3%
25.9%	10,304	10,179	-126	-1.2%
27.2%	9,915	9,912	-3	0.0%
28.4%	9,830	9,852	22	0.2%
29.6%	9,712	9,757	45	0.5%
30.9%	9,484	9,607	123	1.3%
32.1%	9,395	9,602	207	2.2%
33.3%	9,339	9,414	75	0.8%
34.6%	9,279	8,903	-376	-4.1%
35.8%	9,224	8,802	-422	-4.6%
37.0%	9,036	8,782	-254	-2.8%
38.3%	8,915	8,347	-568	-6.4%
39.5%	8,682	8,264	-417	-4.8%
40.7%	8,421	8,244	-177	-2.1%
42.0%	8,397	7,926	-471	-5.6%
43.2%	8,259	7,252	-1,007	-12.1%
44.4%	8,133	7,723	-410	-5.0%
45.7%	7,944	7,644	-300	-3.8%
46.9%	7,909	7,599	-310	-3.9%
48.1%	7,888	7,555	-333	-4.2%
49.4%	7,861	7,552	-310	-3.9%
50.6%	7,656	7,318	-340	-4.4%
51.9%	7,595	7,280	-315	-4.2%
53.1%	7,554	7,237	-316	-4.2%
54.3%	7,403	7,189	-214	-2.9%
55.6%	7,324	7,137	-187	-2.6%
56.8%	7,246	7,132	-114	-1.6%
58.0%	7,238	6,981	-257	-3.5%
59.3%	7,123	6,909	-214	-3.0%
60.5%	7,016	6,841	-175	-2.5%
61.7%	6,913	6,824	-90	-1.3%
63.0%	6,868	6,817	-52	-0.7%
64.2%	6,862	6,797	-64	-0.9%
65.4%	6,783	6,790	7	0.1%
66.7%	6,700	6,698	-2	0.0%
67.9%	6,689	6,578	-112	-1.7%
69.1%	6,571	6,564	-7	-0.1%
70.4%	6,442	6,465	23	0.4%
71.6%	6,320	6,462	142	2.2%
72.8%	6,258	5,935	-324	-5.2%
74.1%	6,253	5,883	-371	-5.9%
75.3%	6,226	5,880	-346	-5.6%
76.5%	6,198	5,723	-475	-7.7%
77.8%	6,147	5,721	-426	-6.9%
79.0%	5,675	5,672	-3	-0.1%
80.2%	5,490	5,472	-18	-0.3%
81.5%	5,461	5,378	-83	-1.5%
82.7%	5,216	5,298	81	1.6%
84.0%	5,181	5,204	23	0.4%
85.2%	5,177	5,167	-11	-0.2%
86.4%	4,967	4,788	-179	-3.6%
87.7%	4,969	4,736	-234	-4.7%
88.9%	4,936	4,725	-211	-4.3%
90.1%	4,880	4,718	-162	-3.3%
91.4%	4,867	4,597	-269	-5.5%
92.6%	4,716	4,555	-161	-3.4%
93.8%	4,668	4,479	-189	-4.0%
95.1%	4,631	4,442	-189	-4.1%
96.3%	4,285	4,394	109	2.5%
97.5%	4,224	4,259	35	0.8%
98.8%	4,123	4,099	-24	-0.6%
100.0%	3,943	3,981	38	1.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,011	50,589	-422	-0.8%
1.2%	41,105	42,910	1,804	4.4%
2.5%	38,657	38,537	-120	-0.3%
3.7%	37,992	35,870	-2,122	-5.6%
4.9%	36,429	35,008	-1,421	-3.9%
6.2%	35,407	33,297	-2,110	-6.0%
7.4%	33,840	32,426	-1,414	-4.2%
8.6%	28,201	27,217	-984	-3.5%
9.9%	25,338	24,372	-967	-3.8%
11.1%	25,099	23,517	-1,582	-6.3%
12.3%	22,524	20,416	-2,108	-9.4%
13.6%	19,806	19,608	-199	-1.0%
14.8%	19,047	17,654	-1,393	-7.3%
16.0%	18,818	16,694	-2,124	-11.3%
17.3%	17,870	16,487	-1,383	-7.7%
18.5%	17,817	16,042	-1,775	-10.0%
19.8%	17,654	15,699	-1,955	-11.1%
21.0%	16,774	15,604	-1,170	-7.0%
22.2%	16,608	16,608	0	0.0%
23.5%	16,218	14,102	-2,116	-13.0%
24.7%	12,192	10,993	-1,199	-9.8%
25.9%	12,222	10,690	-1,021	-8.7%
27.2%	11,461	10,443	-1,017	-8.9%
28.4%	10,692	10,352	-340	-3.2%
29.6%	10,316	10,206	-110	-1.1%
30.9%	10,202	10,073	-129	-1.3%
32.1%	10,163	9,964	-199	-2.0%
33.3%	10,132	9,588	-543	-5.4%
34.6%	9,963	9,343	-620	-6.2%
35.8%	9,803	9,297	-505	-5.2%
37.0%	9,680	8,419	-1,261	-13.0%
38.3%	9,505	8,372	-1,133	-11.9%
39.5%	9,102	8,012	-1,091	-12.0%
40.7%	8,902	7,895	-1,007	-11.3%
42.0%	8,692	7,759	-932	-10.7%
43.2%	8,418	7,729	-689	-8.2%
44.4%	8,089	7,672	-417	-5.2%
45.7%	8,059	7,579	-481	-6.0%
46.9%	7,846	7,549	-297	-3.8%
48.1%	7,759	6,935	-824	-10.6%
49.4%	7,713	6,806	-907	-11.8%
50.6%	7,498	6,805	-693	-9.2%
51.9%	7,441	6,553	-888	-11.9%
53.1%	7,377	6,526	-850	-11.5%
54.3%	7,136	6,414	-722	-10.1%
55.6%	6,935	6,339	-596	-8.6%
56.8%	6,908	6,323	-585	-8.5%
58.0%	6,815	6,291	-524	-7.7%
59.3%	6,637	6,086	-550	-8.3%
60.5%	6,535	6,062	-473	-7.2%
61.7%	6,525	6,056	-469	-7.2%
63.0%	6,245	5,968	-278	-4.4%
64.2%	6,212	5,957	-255	-4.1%
65.4%	6,155	5,947	-208	-3.4%
66.7%	6,065	5,789	-276	-4.6%
67.9%	5,750	5,754	4	0.1%
69.1%	5,716	5,569	-147	-2.6%
70.4%	5,656	5,550	-106	-1.9%
71.6%	5,565	5,479	-85	-1.5%
72.8%	5,553	5,462	-92	-1.6%
74.1%	5,461	5,452	-9	-0.2%
75.3%	5,455	5,372	-83	-1.5%
76.5%	5,433	5,371	-61	-1.1%
77.8%	5,368	5,366	-2	0.0%
79.0%	5,364	5,286	-78	-1.5%
80.2%	5,295	5,255	-41	-0.8%
81.5%	5,265	5,254	-10	-0.2%
82.7%	5,258	5,235	-23	-0.4%
84.0%	5,109	5,133	24	0.5%
85.2%	5,107	5,021	-86	-1.7%
86.4%	4,967	4,961	-6	-0.1%
87.7%	4,966			

Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	96,999	97,002	3	0.0%
1.2%	92,633	90,518	-2,115	-2.3%
2.5%	68,081	65,963	-2,118	-3.1%
3.7%	65,495	64,420	-1,075	-1.6%
4.9%	63,690	61,585	-2,105	-3.3%
6.2%	61,322	61,262	-61	-0.1%
7.4%	55,934	55,933	-1	0.0%
8.6%	50,208	48,068	-2,140	-4.2%
9.9%	48,033	47,507	-526	-1.1%
11.1%	47,387	47,381	-6	0.0%
12.3%	46,874	45,287	-1,587	-3.4%
13.6%	46,533	44,771	-1,762	-3.8%
14.8%	44,847	44,596	-251	-0.6%
16.0%	43,310	43,310	0	0.0%
17.3%	42,545	40,424	-2,122	-5.0%
18.5%	36,540	34,724	-1,816	-5.0%
19.8%	35,943	33,801	-2,142	-6.0%
21.0%	34,756	32,634	-2,122	-6.1%
22.2%	34,671	32,555	-2,116	-6.1%
23.5%	30,313	28,195	-2,118	-7.0%
24.7%	29,959	27,833	-2,126	-7.1%
25.9%	25,547	26,289	743	2.9%
27.2%	24,133	23,424	-709	-2.9%
28.4%	23,473	22,388	-1,085	-4.6%
29.6%	22,787	22,937	150	0.7%
30.9%	21,917	21,348	-569	-2.6%
32.1%	21,374	21,000	-374	-1.7%
33.3%	20,309	20,148	-161	-0.8%
34.6%	17,388	15,267	-2,121	-12.2%
35.8%	16,246	14,123	-2,124	-13.1%
37.0%	15,306	13,047	-2,259	-14.8%
38.3%	15,027	12,901	-2,126	-14.1%
39.5%	14,911	12,515	-2,396	-16.1%
40.7%	14,634	12,104	-2,530	-17.3%
42.0%	14,225	11,573	-2,653	-18.6%
43.2%	13,531	10,817	-2,715	-19.7%
44.4%	13,410	11,288	-2,122	-15.8%
45.7%	13,123	10,999	-2,124	-16.2%
46.9%	12,375	10,924	-1,451	-11.7%
48.1%	12,228	10,607	-1,621	-13.3%
49.4%	11,847	10,442	-1,405	-11.9%
50.6%	11,579	10,189	-1,390	-11.9%
51.9%	11,251	10,254	-997	-8.9%
53.1%	10,921	10,059	-861	-7.9%
54.3%	10,777	9,730	-1,047	-9.7%
55.6%	10,389	9,124	-1,265	-12.2%
56.8%	10,137	8,657	-1,480	-14.6%
58.0%	10,061	8,514	-1,546	-15.4%
59.3%	10,010	8,368	-1,641	-16.4%
60.5%	9,851	8,228	-1,623	-16.5%
61.7%	9,329	8,166	-1,163	-12.5%
63.0%	8,873	7,891	-982	-11.1%
64.2%	8,830	7,728	-1,102	-12.5%
65.4%	8,513	7,352	-1,161	-13.6%
66.7%	8,481	7,210	-1,271	-15.0%
67.9%	8,196	7,039	-1,156	-14.1%
69.1%	8,166	6,914	-1,252	-15.3%
70.4%	7,970	6,805	-1,165	-14.6%
71.6%	7,775	6,743	-1,032	-13.3%
72.8%	7,765	6,710	-1,056	-13.6%
74.1%	7,496	6,394	-1,102	-14.7%
75.3%	7,279	6,361	-918	-12.6%
76.5%	7,213	6,077	-1,136	-15.8%
77.8%	6,980	6,044	-936	-13.4%
79.0%	6,943	5,841	-1,103	-15.9%
80.2%	6,838	5,643	-1,195	-17.5%
81.5%	6,772	5,376	-1,396	-20.6%
82.7%	6,583	5,277	-1,307	-19.8%
84.0%	5,962	5,186	-776	-13.0%
85.2%	5,848	5,082	-766	-13.1%
86.4%	5,658	4,901	-758	-13.4%
87.7%	5,384	4,752	-631	-11.7%
88.9%	5,356	4,678	-678	-12.7%
90.1%	5,295	4,647	-648	-12.2%
91.4%	5,271	4,425	-846	-16.1%
92.6%	5,190	4,280	-910	-17.5%
93.8%	5,057	4,160	-897	-17.7%
95.1%	4,803	4,047	-755	-15.7%
96.3%	4,682	4,034	-647	-13.8%
97.5%	4,495	4,017	-478	-10.6%
98.8%	4,424	3,987	-437	-9.9%
100.0%	4,420	3,759	-661	-15.0%

Percent Exceedance Probability	March			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85,804	85,796	-8	0.0%
1.2%	78,915	76,796	-2,119	-2.7%
2.5%	58,620	56,501	-2,119	-3.6%
3.7%	50,596	50,590	-6	0.0%
4.9%	39,724	38,017	-1,707	-4.3%
6.2%	37,545	35,419	-2,126	-5.7%
7.4%	35,667	33,808	-1,858	-5.2%
8.6%	35,334	33,549	-1,785	-5.1%
9.9%	34,477	32,337	-2,140	-6.2%
11.1%	30,071	27,949	-2,122	-7.1%
12.3%	25,425	25,403	-22	-0.1%
13.6%	23,106	22,980	-126	-0.5%
14.8%	22,348	22,306	-42	-0.2%
16.0%	22,209	21,711	-498	-2.2%
17.3%	22,048	21,376	-672	-3.0%
18.5%	21,744	20,683	-1,061	-4.9%
19.8%	20,944	20,088	-856	-4.1%
21.0%	20,582	19,753	-829	-4.0%
22.2%	20,022	19,512	-510	-2.5%
23.5%	19,812	18,836	-976	-4.9%
24.7%	19,328	18,153	-1,174	-6.1%
25.9%	18,781	16,661	-2,120	-11.3%
27.2%	17,244	15,124	-2,120	-12.3%
28.4%	16,304	14,453	-1,851	-11.4%
29.6%	14,416	12,747	-1,669	-11.6%
30.9%	14,322	13,268	-1,054	-7.4%
32.1%	14,185	12,826	-1,359	-9.6%
33.3%	13,960	12,234	-1,726	-12.4%
34.6%	13,868	12,199	-1,669	-12.0%
35.8%	13,278	12,065	-1,213	-9.1%
37.0%	13,187	11,858	-1,328	-10.1%
38.3%	13,140	11,745	-1,395	-10.6%
39.5%	12,472	11,486	-986	-7.9%
40.7%	11,210	11,202	-8	-0.1%
42.0%	10,812	11,053	242	2.2%
43.2%	10,617	10,773	156	1.5%
44.4%	10,697	9,018	-1,679	-15.7%
45.7%	10,165	8,904	-1,261	-12.4%
46.9%	10,118	8,737	-1,381	-13.6%
48.1%	9,913	8,711	-1,202	-12.1%
49.4%	9,893	8,691	-1,202	-12.1%
50.6%	9,579	8,654	-925	-9.7%
51.9%	9,352	8,546	-806	-8.6%
53.1%	9,141	8,315	-826	-9.0%
54.3%	9,081	8,012	-1,069	-11.8%
55.6%	8,915	7,990	-925	-10.4%
56.8%	8,840	7,921	-919	-10.4%
58.0%	8,754	7,787	-967	-11.1%
59.3%	8,585	7,743	-842	-9.8%
60.5%	8,449	7,742	-707	-8.4%
61.7%	8,025	7,731	-294	-3.7%
63.0%	7,918	7,387	-531	-6.7%
64.2%	7,919	7,252	-666	-8.4%
65.4%	7,856	7,227	-628	-8.0%
66.7%	7,790	7,041	-750	-9.6%
67.9%	7,752	7,020	-732	-9.4%
69.1%	7,744	6,984	-759	-9.8%
70.4%	7,739	6,852	-887	-11.5%
71.6%	7,528	6,401	-1,127	-15.0%
72.8%	7,484	6,346	-1,138	-15.2%
74.1%	7,451	6,318	-1,132	-15.2%
75.3%	7,303	6,149	-1,154	-15.8%
76.5%	7,177	6,140	-1,037	-14.5%
77.8%	7,008	5,978	-1,030	-14.7%
79.0%	6,760	5,902	-857	-12.7%
80.2%	6,542	5,889	-653	-10.0%
81.5%	6,495	5,795	-700	-10.8%
82.7%	6,396	5,622	-774	-12.1%
84.0%	6,387	5,456	-930	-14.6%
85.2%	6,164	5,429	-735	-11.9%
86.4%	5,969	5,364	-605	-10.1%
87.7%	5,664	5,182	-482	-8.5%
88.9%	5,648	5,156	-492	-8.7%
90.1%	5,430	5,064	-366	-6.7%
91.4%	5,271	4,899	-372	-7.1%
92.6%	5,375	4,867	-508	-9.5%
93.8%	5,350	4,763	-587	-11.0%
95.1%	5,025	4,734	-291	-5.8%
96.3%	4,908	4,723	-185	-3.8%
97.5%	4,771	4,573	-198	-4.2%
98.8%	4,543	4,479	-64	-1.4%
100.0%	4,481	4,466	-15	-0.3%

Percent Exceedance Probability	April			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,672	40,356	-1,316	-3.2%
1.2%	32,625	32,620	-5	0.0%
2.5%	27,098	27,101	3	0.0%
3.7%	22,924	22,921	-3	0.0%
4.9%	22,192	22,189	-3	0.0%
6.2%	19,280	19,280	0	0.0%
7.4%	16,994	16,040	-954	-5.6%
8.6%	16,044	14,683	-1,361	-8.5%
9.9%	15,964	12,958	-3,006	-19.0%
11.1%	13,957	12,927	-1,030	-7.4%
12.3%	13,633	12,129	-1,504	-11.0%
13.6%	12,791	11,846	-945	-7.4%
14.8%	12,419	11,728	-691	-5.5%
16.0%	12,092	11,511	-581	-4.8%
17.3%	11,999	11,499	-500	-4.2%
18.5%	11,566	10,677	-888	-7.7%
19.8%	11,494	10,670	-824	-7.2%
21.0%	11,075	10,153	-921	-8.3%
22.2%	10,680	9,984	-696	-6.5%
23.5%	10,684	9,945	-739	-6.9%
24.7%	10,559	9,654	-905	-8.6%
25.9%	10,488	9,513	-975	-9.3%
27.2%	9,949	9,505	-444	-4.5%
28.4%	9,925	9,505	-420	-4.2%
29.6%	9,451	9,247	-204	-2.2%
30.9%	9,649	9,337	-312	-3.2%
32.1%	9,589	9,316	-273	-2.8%
33.3%	9,390	9,255	-135	-1.4%
34.6%	9,333	9,247	-86	-0.9%
35.8%	9,258	9,140	-118	-1.3%
37.0%	9,247	9,025	-222	-2.4%
38.3%	9,128	8,880	-248	-2.7%
39.5%	9,024	8,848	-176	-2.0%
40.7%	8,962	8,726	-237	-2.6%
42.0%	8,962	8,702	-260	-2.9%
43.2%	8,778	8,534	-244	-2.8%
44.4%	8,710	8,620	-90	-1.0%
45.7%	8,666	8,614	-51	-0.6%
46.9%	8,513	8,503	-10	-0.1%
48.1%	8,449	8,438	-12	-0.1%
49.4%	8,351	8,311	-40	-0.5%
50.6%	8,271	8,098	-173	-2.1%
51.9%	8,225	8,082	-143	-1.7%
53.1%	8,210	8,070	-140	-1.7%
54.3%	8,175	8,054	-121	-1.5%
55.6%	8,083	7,955	-128	-1.6%
56.8%	8,054	7,943	-111	-1.4%
58.0%	8,050	7,844	-206	-2.6%
59.3%	8,024	7,803	-221	-2.8%
60.5%	8,010	7,798	-212	-2.6%
61.7%	7,956	7,687	-269	-3.4%
63.0%	7,945	7,609	-336	-4.2%
64.2%	7,853	7,491	-362	-4.6%
65.4%	7,805	7,476	-329	-4.2%
66.7%	7,751	7,353	-398	-5.1%
67.9%	7,674	7,343	-331	-4.3%
69.1%	7,609	7,270	-340	-4.5%
70.4%	7,589	7,266	-323	-4.3%
71.6%	7,541	7,184	-357	-4.7%
72.8%	7,359	7,159	-199	-2.7%
74.1%	7,146	7,020	-126	-1.8%
75.3%	7,143	6,992	-151	-2.1%
76.5%	7,082	6,945	-137	-1.9%
77.8%	7,080	6,924	-156	-2.2%
79.0%	7,056	6,646	-410	-5.8%
80.2%	6,9			

Table SW-12-b  
Sacramento River below Red Bluff Diversion Dam, Monthly Flow  
Probability of Exceedance

June						July						August						September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15,037	15,214	178	1.2%		0.0%	15,571	20,059	4,488	28.8%		0.0%	13,509	12,628	-881	-6.5%		0.0%	15,834	16,469	634	4.0%	
1.2%	14,993	15,122	129	0.9%		1.2%	15,350	19,662	4,312	28.1%		1.2%	13,234	12,048	-1,186	-9.0%		1.2%	15,816	16,087	271	1.7%	
2.5%	14,955	14,555	-400	-2.7%		2.5%	15,269	19,074	3,806	24.9%		2.5%	12,907	11,886	-1,021	-7.9%		2.5%	15,703	15,778	74	0.5%	
3.7%	14,927	14,488	-439	-2.9%		3.7%	15,217	18,774	3,557	23.4%		3.7%	12,025	11,549	-476	-4.0%		3.7%	15,536	15,645	109	0.7%	
4.9%	14,823	14,370	-453	-3.1%		4.9%	15,104	18,685	3,581	23.7%		4.9%	12,006	11,132	-873	-7.3%		4.9%	15,488	15,621	133	0.9%	
6.2%	14,715	14,195	-521	-3.5%		6.2%	15,103	18,671	3,568	23.6%		6.2%	11,973	11,080	-893	-7.5%		6.2%	15,383	15,471	88	0.6%	
7.4%	14,620	14,128	-491	-3.4%		7.4%	15,019	18,327	3,308	22.0%		7.4%	11,882	10,996	-886	-7.5%		7.4%	15,336	15,324	-12	-0.1%	
8.6%	14,600	14,024	-576	-3.9%		8.6%	15,011	17,794	2,783	18.5%		8.6%	11,850	10,965	-885	-7.5%		8.6%	15,217	15,263	46	0.3%	
9.9%	14,466	13,776	-690	-4.8%		9.9%	15,005	16,540	1,535	10.2%		9.9%	11,648	10,850	-798	-6.8%		9.9%	15,105	15,201	95	0.6%	
11.1%	14,332	13,678	-654	-4.6%		11.1%	14,989	15,965	976	6.5%		11.1%	11,635	10,926	-709	-6.1%		11.1%	15,104	15,232	128	0.8%	
12.3%	14,079	13,621	-458	-3.3%		12.3%	14,985	15,661	676	4.5%		12.3%	11,357	10,778	-579	-5.1%		12.3%	15,073	15,080	7	0.0%	
13.6%	14,072	13,536	-536	-3.8%		13.6%	14,944	15,237	293	2.2%		13.6%	11,333	10,582	-751	-6.6%		13.6%	15,041	14,996	-45	-0.3%	
14.8%	14,039	13,442	-596	-4.2%		14.8%	14,935	15,278	342	2.3%		14.8%	11,231	10,471	-760	-6.8%		14.8%	15,005	14,928	-77	-0.5%	
16.0%	14,021	13,439	-582	-4.2%		16.0%	14,908	15,237	329	2.2%		16.0%	11,053	10,465	-588	-5.3%		16.0%	14,941	14,872	-70	-0.5%	
18.5%	13,916	13,346	-570	-4.1%		18.5%	14,868	15,145	277	1.9%		18.5%	11,003	10,451	-552	-5.0%		18.5%	14,844	14,685	-159	-1.1%	
19.8%	13,857	13,325	-532	-3.8%		19.8%	14,864	15,139	275	1.8%		19.8%	10,820	10,408	-412	-3.8%		19.8%	14,749	14,467	-282	-1.9%	
21.0%	13,812	13,273	-539	-3.9%		21.0%	14,810	15,090	279	1.9%		21.0%	10,756	10,389	-366	-3.4%		21.0%	14,674	14,116	-558	-3.8%	
22.2%	13,668	13,106	-562	-4.1%		22.2%	14,803	15,069	266	1.8%		22.2%	10,747	10,345	-402	-3.7%		22.2%	14,516	13,931	-585	-4.0%	
23.5%	13,643	13,064	-579	-4.2%		23.5%	14,779	15,047	268	1.8%		23.5%	10,684	10,322	-362	-3.4%		23.5%	14,366	13,666	-699	-4.8%	
24.7%	13,637	12,823	-814	-6.0%		24.7%	14,762	14,931	169	1.1%		24.7%	10,626	10,312	-314	-3.0%		24.7%	13,395	12,934	-460	-3.4%	
25.9%	13,562	12,772	-790	-5.8%		25.9%	14,729	14,909	180	1.2%		25.9%	10,607	10,266	-341	-3.2%		25.9%	13,011	12,823	-187	-1.4%	
27.2%	13,484	12,772	-713	-5.3%		27.2%	14,725	14,860	135	0.9%		27.2%	10,599	10,225	-374	-3.5%		27.2%	12,954	12,308	-646	-5.0%	
28.4%	13,479	12,717	-762	-5.7%		28.4%	14,716	14,855	140	0.9%		28.4%	10,499	10,225	-274	-2.6%		28.4%	12,846	12,025	-821	-6.4%	
29.6%	13,389	12,711	-678	-5.1%		29.6%	14,707	14,785	78	0.5%		29.6%	10,474	10,207	-267	-2.5%		29.6%	12,598	11,320	-1,278	-10.1%	
30.9%	13,368	12,703	-665	-5.0%		30.9%	14,686	14,802	116	0.8%		30.9%	10,442	10,189	-253	-2.4%		30.9%	11,982	11,093	-889	-7.4%	
32.1%	13,261	12,698	-563	-4.2%		32.1%	14,677	14,773	96	0.7%		32.1%	10,347	10,100	-248	-2.4%		32.1%	11,930	10,118	-1,812	-15.2%	
33.3%	13,247	12,693	-554	-4.2%		33.3%	14,673	14,749	77	0.5%		33.3%	10,330	10,083	-248	-2.4%		33.3%	11,409	9,735	-1,674	-14.7%	
34.6%	12,981	12,602	-379	-2.9%		34.6%	14,669	14,738	69	0.5%		34.6%	10,294	10,076	-218	-2.1%		34.6%	10,717	9,094	-1,623	-15.1%	
35.8%	12,931	12,334	-597	-4.6%		35.8%	14,655	14,723	67	0.5%		35.8%	10,115	10,040	-75	-0.7%		35.8%	10,241	8,193	-2,047	-20.0%	
37.0%	12,851	12,327	-524	-4.1%		37.0%	14,632	14,722	90	0.6%		37.0%	9,995	9,983	-13	-0.1%		37.0%	9,983	8,137	-1,846	-18.5%	
38.3%	12,828	12,255	-574	-4.5%		38.3%	14,589	14,711	123	0.8%		38.3%	9,900	9,956	57	0.6%		38.3%	9,853	7,967	-1,886	-19.1%	
39.5%	12,728	12,238	-490	-3.9%		39.5%	14,585	14,648	63	0.4%		39.5%	9,680	9,940	260	2.7%		39.5%	8,703	7,830	-872	-10.0%	
40.7%	12,638	12,188	-450	-3.6%		40.7%	14,539	14,643	103	0.7%		40.7%	9,670	9,915	245	2.5%		40.7%	8,700	7,539	-1,161	-13.3%	
42.0%	12,599	12,161	-439	-3.5%		42.0%	14,500	14,629	130	0.9%		42.0%	9,667	9,890	223	2.3%		42.0%	8,341	7,334	-1,008	-12.1%	
43.2%	12,573	12,103	-470	-3.7%		43.2%	14,472	14,542	70	0.5%		43.2%	9,547	9,842	295	3.1%		43.2%	8,082	7,025	-1,057	-13.2%	
44.4%	12,568	12,007	-561	-4.5%		44.4%	14,428	14,616	188	1.3%		44.4%	9,548	9,891	343	3.6%		44.4%	7,624	6,871	-753	-9.9%	
45.7%	12,547	11,842	-705	-5.6%		45.7%	14,422	14,575	153	1.1%		45.7%	9,487	9,815	328	3.5%		45.7%	7,058	6,782	-275	-3.9%	
46.9%	12,531	11,759	-772	-6.2%		46.9%	14,391	14,465	73	0.5%		46.9%	9,453	9,788	335	3.5%		46.9%	6,936	6,761	-175	-2.5%	
48.1%	12,368	11,564	-804	-6.5%		48.1%	14,377	14,457	81	0.6%		48.1%	9,439	9,782	343	3.6%		48.1%	6,921	6,742	-179	-2.6%	
49.4%	12,290	11,537	-753	-6.1%		49.4%	14,359	14,435	76	0.5%		49.4%	9,302	9,736	435	4.7%		49.4%	6,521	6,742	221	3.4%	
50.6%	12,276	11,435	-841	-6.8%		50.6%	14,355	14,414	59	0.4%		50.6%	9,295	9,731	436	4.7%		50.6%	6,521	6,508	-13	-0.2%	
51.9%	12,264	11,392	-872	-7.1%		51.9%	14,337	14,242	-95	-0.7%		51.9%	9,272	9,726	454	4.9%		51.9%	6,151	6,554	403	6.6%	
53.1%	12,167	11,388	-779	-6.4%		53.1%	14,304	14,194	-110	-0.8%		53.1%	9,143	9,706	563	6.2%		53.1%	6,080	6,520	440	7.2%	
54.3%	11,975	11,367	-608	-5.1%		54.3%	14,288	14,187	-101	-0.7%		54.3%	9,143	9,699	556	6.1%		54.3%	6,011	6,417	406	6.8%	
55.6%	11,948	11,343	-605	-5.1%		55.6%	14,250	14,086	-164	-1.2%		55.6%	9,038	9,663	625	6.9%		55.6%	5,745	6,394	649	11.3%	
56.8%	11,941	11,330	-611	-5.1%		56.8%	14,243	13,974	-269	-1.9%		56.8%	8,999	9,661	663	7.4%		56.8%	5,665	6,390	725	12.8%	
58.0%	11,511	11,080	-431	-3.7%		58.0%	14,204	13,966	-238	-1.7%		58.0%	8,982	9,661	679	7.6%		58.0%	5,640	6,359	719	12.7%	
59.3%	11,500	11,026	-474	-4.1%		59.3%	14,085	13,847	-238	-1.7%		59.3%	8,981	9,629	648	7.2%		59.3%	5,632	6,328	697	12.4%	
60.5%	11,284	10,950	-335	-3.0%		60.5%	14,001	13,769	-232	-1.7%		60.5%	8,900	9,607	707	7.9%		60.5%	5,576	6,313	737	13.2%	
61.7%	11,210	10,856	-355	-3.2%		61.7%	13,895	13,649	-246	-1.8%		61.7%	8,873	9,605	732	8.2%		61.7%	5,464	6,311	847	15.5%	
63.0%	11,208	10,832	-376	-3.4%		63.0%	13,895	13,562	-333	-2.4%		63.0%	8,850	9,603	754	8.5%		63.0%	5,397	6,235	838	15.5%	
64.2%	11,143	10,654	-490	-4.4%		64.2%	13,664	13,441	-223	-1.6%		64.2%	8,831	9,586	755	8.5%		64.2%	5,391	6,220	829	15.4%	
65.4%	11,051	10,550	-501	-4.5%		65.4%	13,649	13,331	-318	-2.3%		65.4%	8,795	9,582	787	8.9%		65.4%	5,102	6,205	1,103	21.6%	
66.7%	10,906	10,476	-431	-4.0%		66.7%	13,608	13,264	-344	-2.5%		66.7%	8,765	9,535	771	8.8%		66.7%	4,994	6,157	1,162	23.3%	
67.9%	10,796	10,439	-357	-3.3%		67.9%	13,605	13,235	-370	-2.7%		67.9%	8,751	9,513	761	8.7%		67.9%	4,983	6,143	1,160	23.3%	
69.1%	10,778	10,392	-386	-3.6%		69.1%	13,463	13,204	-259	-1.9%		69.1%	8,742	9,497	755	8.6%		69.1%	4,943	6,142	1,200	24.3%	
70.4%	10,690	10,376	-315	-2.9%		70.4%	13,195	13,120	-75	-0.6%		70.4%	8,703	9,462	759	8.7%		70.4%	4,850	6,116	1,266	26.1%	
71.6%	10,683	10,117	-566	-5.3%		71.6%	13,145	13,080	-65	-0.5%		71.6%	8,559	9,422	863	10.1%		71.6%	4,844	6,057	1,214	25.1%	
72.8%	10,635	10,070	-565	-5.3%		72.8%	13,112	12,968	-144	-1.1%		72.8%	8,544	9,3									

**Figure SW-13-b**  
**Sacramento River below Hamilton City, Monthly Flow**  
**Probability of Exceedance**

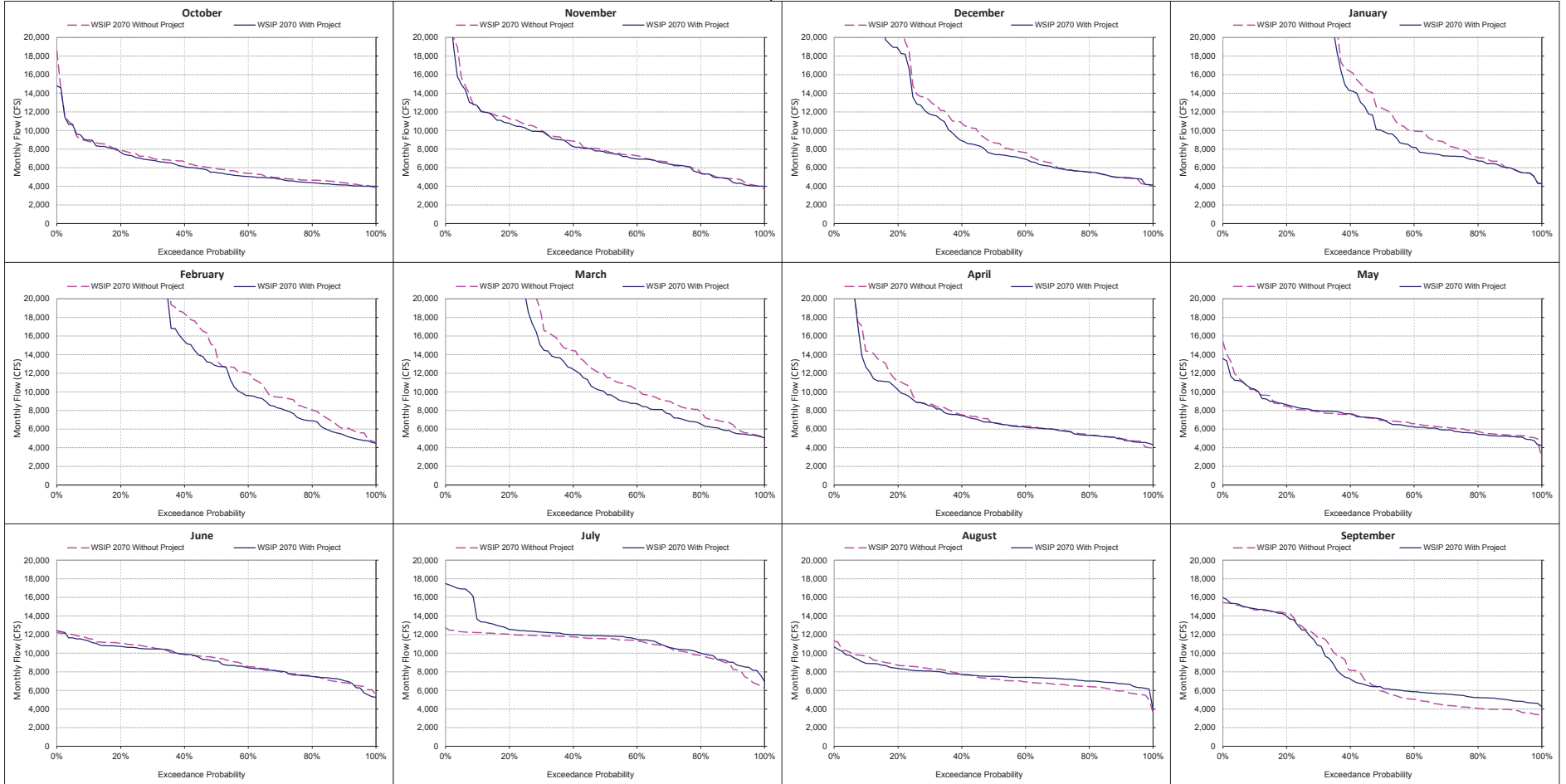




Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,552	14,808	-3,743	-20.2%
1.2%	14,572	14,572	0	0.0%
2.5%	11,541	11,417	-123	-1.1%
3.7%	10,959	10,668	-291	-2.7%
4.9%	10,659	10,640	-19	-0.2%
6.2%	9,420	9,626	206	2.2%
7.4%	8,999	9,511	512	5.7%
8.6%	8,972	9,009	37	0.4%
9.9%	8,933	8,982	49	0.5%
11.1%	8,780	8,953	173	2.0%
12.3%	8,662	8,334	-328	-3.8%
13.6%	8,595	8,289	-306	-3.6%
14.8%	8,564	8,282	-282	-3.3%
16.0%	8,406	8,182	-224	-2.7%
17.3%	8,170	8,066	-104	-1.3%
18.5%	7,884	8,058	174	2.2%
19.8%	7,860	7,715	-146	-1.9%
21.0%	7,816	7,422	-394	-5.0%
22.2%	7,678	7,363	-315	-4.1%
23.5%	7,562	7,297	-265	-3.4%
24.7%	7,534	7,094	-439	-5.8%
25.9%	7,236	7,078	-158	-2.2%
27.2%	7,236	6,935	-301	-4.1%
28.4%	7,230	6,856	-373	-5.2%
29.6%	7,049	6,808	-241	-3.4%
30.9%	6,926	6,744	-183	-2.6%
32.1%	6,900	6,641	-259	-3.8%
33.3%	6,867	6,607	-260	-3.8%
34.6%	6,842	6,555	-287	-4.2%
35.8%	6,789	6,518	-271	-4.0%
37.0%	6,785	6,381	-404	-5.9%
38.3%	6,728	6,195	-533	-7.9%
39.5%	6,722	6,158	-563	-8.4%
40.7%	6,412	6,014	-398	-6.2%
42.0%	6,390	6,014	-376	-5.9%
43.2%	6,266	5,870	-396	-6.3%
44.4%	6,143	5,918	-225	-3.7%
45.7%	6,116	5,869	-247	-4.0%
46.9%	6,049	5,792	-257	-4.3%
48.1%	5,998	5,531	-467	-7.8%
49.4%	5,941	5,529	-412	-6.9%
50.6%	5,847	5,481	-366	-6.3%
51.9%	5,816	5,398	-418	-7.2%
53.1%	5,769	5,303	-466	-8.1%
54.3%	5,689	5,279	-411	-7.2%
55.6%	5,660	5,190	-470	-8.3%
56.8%	5,534	5,159	-375	-6.8%
58.0%	5,492	5,002	-490	-9.0%
59.3%	5,406	5,065	-341	-6.3%
60.5%	5,398	5,036	-362	-6.7%
61.7%	5,323	4,998	-325	-6.1%
63.0%	5,297	4,963	-334	-6.3%
64.2%	5,264	4,942	-322	-6.1%
65.4%	5,054	4,926	-128	-2.5%
66.7%	5,051	4,900	-151	-3.0%
67.9%	4,953	4,898	-55	-1.1%
69.1%	4,933	4,806	-127	-2.6%
70.4%	4,897	4,763	-134	-2.7%
71.6%	4,817	4,637	-180	-3.7%
72.8%	4,794	4,579	-215	-4.5%
74.1%	4,773	4,569	-203	-4.3%
75.3%	4,755	4,495	-259	-5.5%
76.5%	4,690	4,467	-222	-4.7%
77.8%	4,679	4,442	-237	-5.1%
79.0%	4,665	4,405	-259	-5.6%
80.2%	4,656	4,372	-284	-6.1%
81.5%	4,655	4,340	-315	-6.8%
82.7%	4,625	4,290	-335	-7.2%
84.0%	4,613	4,271	-342	-7.4%
85.2%	4,571	4,256	-315	-6.9%
86.4%	4,537	4,207	-330	-7.3%
87.7%	4,467	4,187	-281	-6.3%
88.9%	4,406	4,149	-257	-5.8%
90.1%	4,388	4,142	-246	-5.6%
91.4%	4,328	4,128	-201	-4.6%
92.6%	4,247	4,056	-191	-4.5%
93.8%	4,222	4,053	-170	-4.0%
95.1%	4,126	4,048	-78	-1.9%
96.3%	4,101	4,013	-88	-2.2%
97.5%	4,076	4,011	-65	-1.6%
98.8%	3,939	4,010	71	1.8%
100.0%	3,892	4,003	111	2.8%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,641	27,527	886	3.3%
1.2%	25,290	23,939	-1,351	-5.3%
2.5%	20,013	19,161	-852	-4.3%
3.7%	18,964	15,792	-3,172	-16.7%
4.9%	15,683	14,927	-756	-4.8%
6.2%	14,814	14,374	-440	-3.0%
7.4%	13,982	13,015	-967	-6.9%
8.6%	12,783	12,648	-135	-1.1%
9.9%	12,687	12,693	6	0.0%
11.1%	12,103	12,024	-79	-0.7%
12.3%	11,942	11,959	17	0.1%
13.6%	11,910	11,895	-15	-0.1%
14.8%	11,765	11,561	-205	-1.7%
16.0%	11,581	11,125	-455	-3.9%
17.3%	11,538	11,095	-442	-3.8%
18.5%	11,529	10,857	-672	-5.8%
19.8%	11,302	10,807	-495	-4.4%
21.0%	11,176	10,605	-571	-5.1%
22.2%	11,114	10,457	-657	-5.9%
23.5%	10,856	10,418	-438	-4.0%
24.7%	10,682	10,322	-360	-3.4%
25.9%	10,553	10,078	-474	-4.5%
27.2%	10,533	9,930	-602	-5.7%
28.4%	10,337	9,919	-418	-4.0%
29.6%	10,119	9,900	-219	-2.2%
30.9%	9,760	9,863	103	1.1%
32.1%	9,425	9,519	95	1.0%
33.3%	9,421	9,140	-281	-3.0%
34.6%	9,332	9,047	-285	-3.0%
35.8%	9,304	9,005	-299	-3.2%
37.0%	9,003	8,987	-16	-0.2%
38.3%	8,937	8,702	-235	-2.6%
39.5%	8,869	8,337	-532	-6.0%
40.7%	8,842	8,202	-640	-7.2%
42.0%	8,705	8,193	-513	-5.9%
43.2%	8,616	8,104	-512	-5.9%
44.4%	8,179	8,078	-100	-1.2%
45.7%	8,096	8,029	-67	-0.8%
46.9%	8,071	7,793	-278	-3.4%
48.1%	8,048	7,792	-256	-3.2%
49.4%	7,831	7,757	-74	-0.9%
50.6%	7,601	7,791	190	2.5%
51.9%	7,607	7,571	-36	-0.5%
53.1%	7,594	7,466	-128	-1.7%
54.3%	7,544	7,441	-103	-1.4%
55.6%	7,418	7,213	-205	-2.8%
56.8%	7,386	7,197	-189	-2.6%
58.0%	7,385	7,046	-339	-4.6%
59.3%	7,320	6,982	-339	-4.6%
60.5%	7,271	6,925	-345	-4.7%
61.7%	7,089	6,918	-170	-2.4%
63.0%	6,980	6,913	-67	-1.0%
64.2%	6,911	6,859	-53	-0.8%
65.4%	6,818	6,818	0	0.0%
66.7%	6,726	6,622	-105	-1.6%
67.9%	6,684	6,514	-170	-2.5%
69.1%	6,660	6,486	-174	-2.6%
70.4%	6,506	6,350	-155	-2.4%
71.6%	6,219	6,296	77	1.2%
72.8%	6,201	6,254	53	0.8%
74.1%	6,189	6,228	39	0.6%
75.3%	6,151	6,155	5	0.1%
76.5%	6,087	6,093	6	0.1%
77.8%	5,932	5,935	3	0.0%
79.0%	5,869	5,512	-357	-6.1%
80.2%	5,540	5,384	-156	-2.8%
81.5%	5,317	5,336	19	0.4%
82.7%	5,270	5,314	45	0.9%
84.0%	5,152	4,973	-180	-3.5%
85.2%	4,937	4,955	18	0.4%
86.4%	4,908	4,911	3	0.1%
87.7%	4,852	4,904	52	1.1%
88.9%	4,824	4,754	-70	-1.4%
90.1%	4,821	4,405	-415	-8.6%
91.4%	4,782	4,336	-446	-9.3%
92.6%	4,689	4,333	-356	-7.6%
93.8%	4,420	4,155	-265	-6.0%
95.1%	4,226	4,109	-116	-2.7%
96.3%	4,154	4,043	-111	-2.7%
97.5%	4,054	4,028	-26	-0.6%
98.8%	4,023	4,023	0	0.0%
100.0%	3,706	4,011	304	8.2%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,783	59,361	-422	-0.7%
1.2%	47,189	47,554	365	0.8%
2.5%	45,341	43,920	-1,422	-3.1%
3.7%	43,564	39,996	-3,569	-8.2%
4.9%	42,463	38,901	-3,562	-8.4%
6.2%	40,417	37,833	-2,584	-6.4%
7.4%	39,247	36,867	-2,379	-6.1%
8.6%	36,869	35,885	-984	-2.7%
9.9%	30,595	28,428	-2,167	-7.1%
11.1%	28,714	26,893	-1,821	-6.3%
12.3%	25,395	22,520	-2,874	-11.3%
13.6%	24,158	21,847	-2,311	-9.6%
14.8%	23,338	21,717	-1,620	-6.9%
16.0%	23,328	19,765	-3,563	-15.3%
17.3%	22,633	19,338	-3,294	-14.6%
18.5%	22,494	18,936	-3,558	-15.8%
19.8%	21,717	18,928	-2,789	-12.8%
21.0%	21,434	18,290	-3,144	-14.7%
22.2%	19,554	18,192	-1,361	-7.0%
23.5%	18,634	16,629	-2,005	-10.8%
24.7%	14,759	13,611	-1,148	-7.8%
25.9%	12,879	12,844	-35	-0.3%
27.2%	13,637	12,723	-914	-6.7%
28.4%	13,613	12,146	-1,467	-10.8%
29.6%	13,310	11,792	-1,518	-11.4%
30.9%	12,877	11,656	-1,221	-9.5%
32.1%	12,718	11,575	-1,143	-9.0%
33.3%	12,167	11,197	-970	-8.0%
34.6%	12,131	10,950	-1,181	-9.7%
35.8%	11,654	10,079	-1,575	-13.5%
37.0%	11,019	9,753	-1,265	-11.5%
38.3%	10,976	9,307	-1,669	-15.2%
39.5%	10,949	8,967	-1,982	-18.1%
40.7%	10,542	8,802	-1,740	-16.5%
42.0%	10,394	8,572	-1,822	-17.5%
43.2%	10,216	8,447	-1,769	-17.3%
44.4%	10,216	8,447	-1,770	-17.3%
45.7%	9,537	8,314	-1,223	-12.8%
46.9%	9,274	8,080	-1,194	-12.9%
48.1%	8,967	7,856	-1,111	-12.4%
49.4%	8,728	7,524	-1,204	-13.8%
50.6%	8,643	7,406	-1,237	-14.3%
51.9%	8,598	7,402	-1,196	-13.9%
53.1%	8,101	7,343	-758	-9.4%
54.3%	8,078	7,294	-784	-9.7%
55.6%	7,943	7,202	-741	-9.3%
56.8%	7,865	7,172	-693	-8.9%
58.0%	7,721	7,055	-666	-8.6%
59.3%	7,656	6,966	-690	-9.0%
60.5%	7,592	6,861	-731	-9.6%
61.7%	7,175	6,645	-530	-7.4%
63.0%	6,969	6,572	-397	-5.7%
64.2%	6,796	6,364	-432	-6.4%
65.4%	6,714	6,252	-462	-6.9%
66.7%	6,594	6,207	-388	-5.9%
67.9%	6,526	6,139	-388	-5.9%
69.1%	6,242	5,980	-262	-4.2%
70.4%	5,925	5,938	13	0.2%
71.6%	5,828	5,930	102	1.7%
72.8%	5,757	5,764	8	0.1%
74.1%	5,748	5,745	-3	0.0%
75.3%	5,672	5,662	-10	-0.2%
76.5%	5,628	5,625	-3	0.0%
77.8%	5,620	5,621	1	0.0%
79.0%	5,557	5,555	-2	0.0%
80.2%	5,544	5,494	-49	-0.9%
81.5%	5,504	5,483	-21	-0.4%
82.7%	5,438	5,416	-23	-0.4%
84.0%	5,293	5,316	23	0.4%
85.2%	5,199	5,225	25	0.5%
86.4%	5,099	5,108	9	0.2%



Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107,871	107,874	3	0.0%
1.2%	103,429	100,869	-2,560	-2.5%
2.5%	77,720	76,200	-1,520	-2.0%
3.7%	76,297	73,734	-2,563	-3.4%
4.9%	70,600	68,276	-2,324	-3.3%
6.2%	68,336	68,050	-286	-0.4%
7.4%	61,965	61,964	-1	0.0%
8.6%	55,647	54,806	-841	-1.5%
9.9%	54,497	53,971	-526	-1.0%
11.1%	54,388	53,083	-1,306	-2.4%
12.3%	53,076	51,980	-1,096	-2.1%
13.6%	52,933	50,655	-2,279	-4.3%
14.8%	52,055	50,547	-1,508	-2.9%
16.0%	48,254	48,093	-162	-0.3%
17.3%	48,092	45,703	-2,389	-5.0%
18.5%	41,049	39,233	-1,816	-4.4%
19.8%	40,635	38,083	-2,552	-6.3%
21.0%	40,215	37,843	-2,372	-6.4%
22.2%	38,936	36,375	-2,561	-6.6%
23.5%	34,867	32,304	-2,563	-7.4%
24.7%	33,725	31,154	-2,571	-7.6%
25.9%	29,333	30,421	1,088	3.7%
27.2%	28,709	28,177	-532	-1.9%
28.4%	27,163	26,807	-356	-1.3%
29.6%	26,691	25,468	-1,224	-4.6%
30.9%	26,423	24,636	-1,787	-6.8%
32.1%	25,532	24,121	-1,411	-5.5%
33.3%	23,169	22,450	-719	-3.1%
34.6%	22,610	20,603	-2,008	-8.9%
35.8%	19,360	16,798	-2,562	-13.2%
37.0%	19,091	16,791	-2,300	-12.0%
38.3%	18,690	16,126	-2,564	-13.7%
39.5%	18,556	15,608	-2,948	-15.9%
40.7%	18,167	15,175	-2,991	-16.5%
42.0%	17,743	15,055	-2,688	-15.2%
43.2%	17,625	13,635	-3,990	-22.6%
44.4%	17,006	13,965	-3,041	-17.9%
45.7%	16,531	13,798	-2,733	-16.5%
46.9%	16,367	13,247	-3,120	-19.1%
48.1%	15,162	13,159	-2,003	-13.2%
49.4%	14,944	12,878	-2,066	-13.8%
50.6%	13,166	12,719	-447	-3.4%
51.9%	12,719	12,714	-5	0.0%
53.1%	12,711	12,616	-95	-0.7%
54.3%	12,674	11,340	-1,333	-10.5%
55.6%	12,619	10,351	-2,268	-18.4%
56.8%	12,174	10,109	-2,065	-17.0%
58.0%	12,155	9,886	-2,269	-18.7%
59.3%	12,089	9,610	-2,479	-20.5%
60.5%	11,921	9,592	-2,329	-19.5%
61.7%	11,342	9,518	-1,824	-16.1%
63.0%	11,137	9,369	-1,769	-15.9%
64.2%	10,861	9,315	-1,546	-14.2%
65.4%	10,234	8,987	-1,246	-12.2%
66.7%	9,604	8,572	-1,032	-10.7%
67.9%	9,498	8,465	-1,034	-10.9%
69.1%	9,434	8,286	-1,148	-12.2%
70.4%	9,415	8,180	-1,235	-13.1%
71.6%	9,329	8,029	-1,300	-13.9%
72.8%	9,251	7,878	-1,373	-14.8%
74.1%	9,161	7,669	-1,491	-16.3%
75.3%	8,599	7,237	-1,362	-15.8%
76.5%	8,485	7,082	-1,403	-16.5%
77.8%	8,315	6,949	-1,366	-16.4%
79.0%	8,209	6,893	-1,316	-16.0%
80.2%	8,026	6,867	-1,159	-14.4%
81.5%	7,911	6,805	-1,106	-14.0%
82.7%	7,516	6,306	-1,210	-16.1%
84.0%	7,315	6,041	-1,274	-17.4%
85.2%	7,051	5,680	-1,371	-19.4%
86.4%	6,864	5,699	-1,165	-17.0%
87.7%	6,472	5,602	-870	-13.4%
88.9%	6,125	5,515	-610	-10.0%
90.1%	6,101	5,337	-764	-12.5%
91.4%	6,098	5,165	-933	-15.3%
92.6%	5,880	5,046	-834	-14.2%
93.8%	5,697	4,933	-763	-13.4%
95.1%	5,606	4,863	-743	-13.3%
96.3%	5,587	5,355	-232	-4.1%
97.5%	4,899	4,725	-174	-3.6%
98.8%	4,723	4,569	-154	-3.3%
100.0%	4,564	4,492	-72	-1.6%

March				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	95,185	95,185	0	0.0%
1.2%	86,530	82,624	-3,906	-4.5%
2.5%	66,097	62,191	-3,907	-5.9%
3.7%	56,822	56,824	2	0.0%
4.9%	45,685	43,985	-1,699	-3.7%
6.2%	41,773	37,860	-3,913	-9.4%
7.4%	40,227	37,438	-2,788	-6.9%
8.6%	38,171	36,322	-1,849	-4.8%
9.9%	38,950	35,240	-3,710	-9.5%
11.1%	34,167	30,258	-3,909	-11.4%
12.3%	28,210	28,196	-14	0.0%
13.6%	27,216	27,098	-117	-0.4%
14.8%	26,137	26,175	38	0.1%
16.0%	25,735	25,373	-362	-1.4%
17.3%	25,401	24,770	-631	-2.5%
18.5%	25,099	23,898	-1,201	-4.8%
19.8%	24,795	23,508	-1,287	-5.2%
21.0%	24,048	22,570	-1,478	-6.1%
22.2%	23,399	21,441	-1,958	-8.4%
23.5%	22,719	20,887	-1,831	-8.1%
24.7%	22,578	20,870	-1,708	-7.6%
25.9%	21,680	18,581	-3,100	-14.3%
27.2%	20,474	17,316	-3,159	-15.4%
28.4%	20,086	16,447	-3,639	-18.1%
29.6%	19,970	15,960	-3,910	-20.6%
30.9%	16,592	14,459	-2,133	-12.9%
32.1%	16,435	14,388	-2,047	-12.5%
33.3%	16,100	13,836	-2,264	-14.1%
34.6%	15,860	13,704	-2,156	-13.6%
35.8%	15,260	13,653	-1,607	-10.5%
37.0%	14,731	13,261	-1,470	-10.0%
38.3%	14,630	12,685	-1,945	-13.3%
39.5%	14,457	12,524	-1,933	-13.4%
40.7%	14,388	12,278	-2,110	-14.7%
42.0%	13,610	11,971	-1,640	-12.0%
43.2%	13,465	11,465	-2,000	-14.9%
44.4%	12,877	11,340	-1,537	-11.9%
45.7%	12,547	10,614	-1,933	-15.4%
46.9%	12,276	10,344	-1,932	-15.7%
48.1%	12,060	10,184	-1,876	-15.6%
49.4%	12,018	10,099	-1,919	-16.0%
50.6%	11,827	9,823	-2,004	-16.9%
51.9%	11,488	9,685	-1,803	-15.7%
53.1%	11,150	9,423	-1,727	-15.5%
54.3%	10,981	9,121	-1,860	-16.9%
55.6%	10,893	8,976	-1,917	-17.6%
56.8%	10,695	8,944	-1,751	-16.4%
58.0%	10,607	8,774	-1,833	-17.3%
59.3%	10,353	8,760	-1,592	-15.4%
60.5%	10,163	8,666	-1,497	-14.7%
61.7%	9,743	8,409	-1,334	-13.7%
63.0%	9,686	8,364	-1,302	-13.4%
64.2%	9,564	8,146	-1,418	-14.8%
65.4%	9,473	8,106	-1,367	-14.4%
66.7%	9,273	8,104	-1,169	-12.6%
67.9%	9,096	8,101	-995	-10.9%
69.1%	9,027	7,703	-1,324	-14.7%
70.4%	8,974	7,608	-1,367	-15.2%
71.6%	8,709	7,198	-1,511	-17.3%
72.8%	8,574	7,195	-1,378	-16.1%
74.1%	8,350	7,082	-1,268	-15.2%
75.3%	8,248	6,926	-1,322	-16.0%
76.5%	8,220	6,829	-1,392	-16.9%
77.8%	8,119	6,787	-1,332	-16.4%
79.0%	8,115	6,713	-1,401	-17.3%
80.2%	7,776	6,502	-1,274	-16.4%
81.5%	7,200	6,286	-914	-12.7%
82.7%	7,058	6,241	-817	-11.6%
84.0%	7,005	6,177	-828	-11.8%
85.2%	6,946	6,135	-811	-11.7%
86.4%	6,864	5,963	-901	-13.1%
87.7%	6,748	5,861	-887	-13.1%
88.9%	6,688	5,860	-828	-12.4%
90.1%	6,448	5,624	-824	-12.8%
91.4%	6,098	5,514	-584	-9.6%
92.6%	5,783	5,484	-299	-5.2%
93.8%	5,593	5,446	-147	-2.6%
95.1%	5,574	5,355	-219	-3.9%
96.3%	5,443	5,355	88	1.6%
97.5%	5,333	5,285	-49	-0.9%
98.8%	5,154	5,169	15	0.3%
100.0%	5,007	5,052	45	0.9%

April				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,514	41,676	-2,838	-6.4%
1.2%	35,843	36,018	175	0.5%
2.5%	29,993	28,715	-1,278	-4.2%
3.7%	25,075	25,095	20	0.1%
4.9%	24,221	24,985	764	3.1%
6.2%	20,817	20,817	0	0.0%
7.4%	17,526	17,114	-412	-2.3%
8.6%	17,080	13,858	-3,222	-18.9%
9.9%	14,389	12,678	-1,711	-11.9%
11.1%	14,325	12,152	-2,173	-15.2%
12.3%	14,116	11,408	-2,708	-19.2%
13.6%	13,566	11,175	-2,391	-17.6%
14.8%	13,351	11,167	-2,185	-16.4%
16.0%	13,067	11,087	-1,979	-15.1%
17.3%	12,147	11,071	-1,076	-8.9%
18.5%	11,567	10,689	-878	-7.6%
19.8%	11,128	10,313	-815	-7.3%
21.0%	11,058	9,885	-1,173	-10.6%
22.2%	10,824	9,723	-1,102	-10.2%
23.5%	10,636	9,605	-1,031	-10.6%
24.7%	9,572	9,157	-415	-4.3%
25.9%	8,885	8,852	-33	-0.4%
27.2%	8,824	8,849	25	0.3%
28.4%	8,761	8,692	-69	-0.8%
29.6%	8,532	8,706	174	2.0%
30.9%	8,640	8,436	-204	-2.4%
32.1%	8,383	8,175	-208	-2.5%
33.3%	8,343	8,160	-183	-2.2%
34.6%	8,303	7,757	-546	-6.6%
35.8%	8,071	7,623	-448	-5.6%
37.0%	7,935	7,573	-362	-4.6%
38.3%	7,708	7,573	-136	-1.8%
39.5%	7,580	7,484	-97	-1.3%
40.7%	7,469	7,429	-40	-0.5%
42.0%	7,448	7,247	-201	-2.7%
43.2%	7,443	7,141	-302	-4.1%
44.4%	7,356	7,085	-272	-3.7%
45.7%	7,148	6,948	-200	-2.8%
46.9%	7,132	6,762	-369	-5.2%
48.1%	7,114	6,753	-361	-5.1%
49.4%	6,623	6,700	77	1.2%
50.6%	6,613	6,637	24	0.4%
51.9%	6,612	6,548	-64	-1.0%
53.1%	6,456	6,489	33	0.5%
54.3%	6,434	6,450	16	0.3%
55.6%	6,374	6,330	-44	-0.7%
56.8%	6,365	6,266	-99	-1.6%
58.0%	6,325	6,263	-62	-1.0%
59.3%	6,315	6,241	-73	-1.2%
60.5%	6,302	6,158	-144	-2.3%
61.7%	6,275	6,129	-146	-2.3%
63.0%	6,264	6,127	-137	-2.2%
64.2%	6,073	6,104	31	0.5%
65.4%	6,051	6,066	15	0.2%
66.7%	5,990	6,021	31	0.5%
67.9%	5,981	6,020	39	0.7%
69.1%	5,973	5,964	-9	-0.2%
70.4%	5,933	5,844	-89	-1.5%
71.6%	5,874	5,804	-70	-1.2%
72.8%	5,797	5,765	-32	-0.5%
74.1%	5,680	5,732	52	0.9%
75.3%	5,620	5,489	-131	-2.3%
76.5%	5,525	5,409	-115	-2.1%

Table SW-13-b  
Sacramento River below Hamilton City, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	12,232	12,427	195	1.6%	
1.2%	12,143	12,302	160	1.3%	
2.5%	12,140	12,211	71	0.6%	
3.7%	12,081	11,666	-415	-3.4%	
4.9%	12,009	11,658	-351	-2.9%	
6.2%	11,893	11,547	-345	-2.9%	
7.4%	11,781	11,531	-250	-2.1%	
8.6%	11,733	11,428	-304	-2.6%	
9.9%	11,575	11,310	-266	-2.3%	
11.1%	11,513	11,143	-370	-3.2%	
12.3%	11,220	11,046	-174	-1.6%	
13.6%	11,193	10,860	-333	-3.0%	
14.8%	11,165	10,822	-343	-3.1%	
16.0%	11,149	10,800	-350	-3.1%	
17.3%	11,144	10,790	-354	-3.2%	
18.5%	11,133	10,758	-375	-3.4%	
19.8%	11,067	10,746	-322	-2.9%	
21.0%	11,067	10,698	-369	-3.3%	
22.2%	10,951	10,629	-321	-2.9%	
23.5%	10,938	10,616	-321	-2.9%	
24.7%	10,856	10,589	-267	-2.5%	
25.9%	10,856	10,512	-343	-3.2%	
27.2%	10,763	10,487	-276	-2.6%	
28.4%	10,679	10,458	-221	-2.1%	
29.6%	10,647	10,417	-190	-1.8%	
30.9%	10,527	10,454	-73	-0.7%	
32.1%	10,457	10,453	-4	0.0%	
33.3%	10,334	10,420	86	0.8%	
34.6%	10,283	10,405	122	1.2%	
35.8%	10,053	10,298	245	2.4%	
37.0%	9,973	10,069	96	1.0%	
38.3%	9,957	9,944	-13	-0.1%	
39.5%	9,935	9,879	-56	-0.6%	
40.7%	9,882	9,867	-15	-0.2%	
42.0%	9,750	9,858	109	1.1%	
43.2%	9,629	9,843	214	2.2%	
44.4%	9,712	9,581	-131	-1.4%	
45.7%	9,658	9,316	-342	-3.5%	
46.9%	9,629	9,305	-324	-3.4%	
48.1%	9,611	9,237	-374	-3.9%	
49.4%	9,522	9,156	-366	-3.8%	
50.6%	9,438	9,144	-294	-3.1%	
51.9%	9,431	8,811	-620	-6.6%	
53.1%	9,263	8,707	-557	-6.0%	
54.3%	9,208	8,696	-512	-5.6%	
55.6%	9,080	8,690	-390	-4.3%	
56.8%	9,021	8,611	-410	-4.5%	
58.0%	8,860	8,604	-256	-3.0%	
59.3%	8,616	8,500	-117	-1.4%	
60.5%	8,535	8,403	-132	-1.5%	
61.7%	8,524	8,384	-140	-1.6%	
63.0%	8,425	8,353	-71	-0.8%	
64.2%	8,363	8,295	-68	-0.8%	
65.4%	8,333	8,177	-157	-1.9%	
66.7%	8,293	8,168	-125	-1.5%	
67.9%	8,151	8,150	-1	0.0%	
69.1%	8,085	8,085	0	0.0%	
70.4%	7,970	8,070	101	1.3%	
71.6%	7,965	8,000	35	0.4%	
72.8%	7,805	7,781	-24	-0.3%	
74.1%	7,787	7,650	-137	-1.8%	
75.3%	7,780	7,650	-130	-1.7%	
76.5%	7,659	7,603	-56	-0.7%	
77.8%	7,642	7,575	-67	-0.9%	
79.0%	7,604	7,547	-57	-0.8%	
80.2%	7,507	7,491	-16	-0.2%	
81.5%	7,423	7,452	29	0.4%	
82.7%	7,385	7,380	-5	-0.1%	
84.0%	7,194	7,370	176	2.4%	
85.2%	7,082	7,358	277	3.9%	
86.4%	7,006	7,288	282	4.0%	
87.7%	6,941	7,272	331	4.8%	
88.9%	6,883	7,174	291	4.2%	
90.1%	6,811	7,024	214	3.1%	
91.4%	6,798	6,941	143	2.1%	
92.6%	6,553	6,753	200	3.1%	
93.8%	6,516	6,297	-219	-3.4%	
95.1%	6,482	6,258	-224	-3.5%	
96.3%	6,405	6,111	-295	-4.6%	
97.5%	6,078	5,508	-570	-9.4%	
98.8%	6,075	5,228	-847	-14.0%	
100.0%	5,440	5,267	-172	-3.2%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	12,717	17,490	4,773	37.5%	
1.2%	12,474	17,342	4,868	39.0%	
2.5%	12,463	17,171	4,709	37.8%	
3.7%	12,341	16,984	4,644	37.6%	
4.9%	12,315	16,917	4,602	37.4%	
6.2%	12,276	16,907	4,632	37.7%	
7.4%	12,245	16,572	4,327	35.3%	
8.6%	12,242	16,138	3,896	31.8%	
9.9%	12,220	13,658	1,438	11.9%	
11.1%	12,219	13,368	1,149	9.4%	
12.3%	12,165	13,331	1,167	9.6%	
13.6%	12,161	13,212	1,051	8.6%	
14.8%	12,137	13,124	987	8.1%	
16.0%	12,102	13,001	899	7.4%	
17.3%	12,073	12,886	814	6.7%	
18.5%	12,071	12,808	738	6.1%	
19.8%	12,041	12,579	537	4.5%	
21.0%	12,014	12,635	621	4.3%	
22.2%	11,958	12,492	534	4.5%	
23.5%	11,845	12,437	492	4.1%	
24.7%	11,938	12,430	492	4.1%	
25.9%	11,918	12,375	456	3.8%	
27.2%	11,918	12,356	438	3.7%	
28.4%	11,901	12,312	411	3.5%	
29.6%	11,880	12,291	411	3.5%	
30.9%	11,871	12,247	376	3.2%	
32.1%	11,840	12,217	377	3.2%	
33.3%	11,837	12,207	370	3.1%	
34.6%	11,835	12,167	331	2.8%	
35.8%	11,814	12,160	346	2.9%	
37.0%	11,801	12,068	267	2.3%	
38.3%	11,774	12,015	241	2.1%	
39.5%	11,774	12,011	237	2.0%	
40.7%	11,747	11,999	252	2.1%	
42.0%	11,676	11,960	284	2.4%	
43.2%	11,660	11,815	155	1.3%	
44.4%	11,603	11,895	292	2.5%	
45.7%	11,601	11,895	294	2.5%	
46.9%	11,601	11,891	290	2.5%	
48.1%	11,574	11,873	298	2.6%	
49.4%	11,570	11,869	299	2.6%	
50.6%	11,563	11,863	299	2.6%	
51.9%	11,562	11,838	276	2.4%	
53.1%	11,522	11,838	316	2.7%	
54.3%	11,434	11,802	367	3.2%	
55.6%	11,421	11,785	363	3.2%	
56.8%	11,415	11,681	266	2.3%	
58.0%	11,407	11,668	261	2.3%	
59.3%	11,389	11,565	176	1.5%	
60.5%	11,288	11,446	158	1.4%	
61.7%	11,242	11,433	191	1.7%	
63.0%	11,098	11,432	334	3.0%	
64.2%	11,022	11,330	308	2.8%	
65.4%	10,929	11,273	344	3.1%	
66.7%	10,889	11,089	200	1.8%	
67.9%	10,810	10,912	101	0.9%	
69.1%	10,719	10,738	19	0.2%	
70.4%	10,570	10,603	32	0.3%	
71.6%	10,363	10,504	201	2.0%	
72.8%	10,258	10,440	182	1.8%	
74.1%	10,220	10,392	172	1.7%	
75.3%	10,128	10,370	242	2.4%	
76.5%	10,081	10,332	252	2.5%	
77.8%	9,928	10,259	430	4.4%	
79.0%	9,814	10,111	297	3.0%	
80.2%	9,760	9,972	213	2.2%	
81.5%	9,604	9,891	287	3.0%	
82.7%	9,484	9,804	321	3.4%	
84.0%	9,395	9,719	324	3.4%	
85.2%	9,336	9,305	-31	-0.3%	
86.4%	9,153	9,303	150	1.6%	
87.7%	8,997	9,247	250	2.8%	
88.9%	8,957	9,038	81	0.9%	
90.1%	8,255	9,019	764	9.3%	
91.4%	8,205	8,705	499	6.1%	
92.6%	8,077	8,632	555	6.9%	
93.8%	7,441	8,511	1,070	14.4%	
95.1%	7,273	8,500	1,226	16.9%	
96.3%	6,844	8,170	1,326	19.4%	
97.5%	6,685	8,141	1,456	21.8%	
98.8%	6,748	7,638	890	13.2%	
100.0%	6,235	6,950	715	11.5%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,304	10,674	-631	-5.6%	
1.2%	11,170	10,393	-778	-7.0%	
2.5%	10,302	10,202	-100	-1.0%	
3.7%	10,289	9,819	-470	-4.6%	
4.9%	10,099	9,761	-337	-3.3%	
6.2%	9,832	9,513	-319	-3.2%	
7.4%	9,821	9,503	-318	-3.2%	
8.6%	9,769	9,073	-696	-7.1%	
9.9%	9,687	8,902	-785	-8.1%	
11.1%	9,569	8,887	-682	-7.1%	
12.3%	9,262	8,878	-384	-4.1%	
13.6%	9,183	8,854	-329	-3.6%	
14.8%	9,129	8,724	-405	-4.4%	
16.0%	8,994	8,700	-294	-3.3%	
17.3%	8,942	8,745	-197	-2.2%	
18.5%	8,843	8,425	-418	-4.7%	
19.8%	8,724	8,365	-359	-4.1%	
21.0%	8,662	8,320	-342	-3.9%	
22.2%	8,655	8,278	-377	-4.4%	
23.5%	8,615	8,205	-406	-4.7%	
24.7%	8,568	8,146	-422	-4.9%	
25.9%	8,550	8,124	-425	-5.0%	
27.2%	8,433	8,113	-320	-3.8%	
28.4%	8,420	8,082	-339	-4.0%	
29.6%	8,374	8,048	-326	-3.9%	
30.9%	8,296	8,063	-233	-2.8%	
32.1%	8,293	8,024	-269	-3.2%	
33.3%	8,270	8,006	-264	-3.2%	
34.6%	8,174	7,908	-267	-3.3%	
35.8%	8,126	7,799	-327	-4.0%	
37.0%	7,960	7,787	-173	-2.2%	
38.3%	7,904	7,774	-129	-1.6%	
39.5%	7,720	7,754	34	0.4%	
40.7%	7,706	7,664	-41	-0.5%	
42.0%	7,702	7,655	-47	-0.6%	
43.2%	7,631	7,555	-76	-1.0%	
44.4%	7,475	7,610	135	1.8%	
45.7%	7,358	7,540	182	2.5%	
46.9%	7,343	7,537	194	2.6%	
48.1%	7,260	7,528	268	3.7%	
49.4%	7,235	7,516	281	3.9%	
50.6%	7,231	7,507	276	3.8%	
51.9%	7,166	7,505	339	4.7%	
53.1%	7,068	7,495	427	6.0%	
54.3%	7,039	7,448	409	5.8%	
55.6%	7,035	7,406	371	5.3%	
56.8%	7,030	7,402	372	5.3%	
58.0%	7,027	7,402	374	5.3%	
59.3%	6,945	7,402	457	6.6%	
60.5%	6,905	7,401	497	7.2%	
61.7%	6,857	7,392	535	7.8%	
63.0%	6,906	7,387	481	6.9%	
64.2%	6,788				

Figure SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

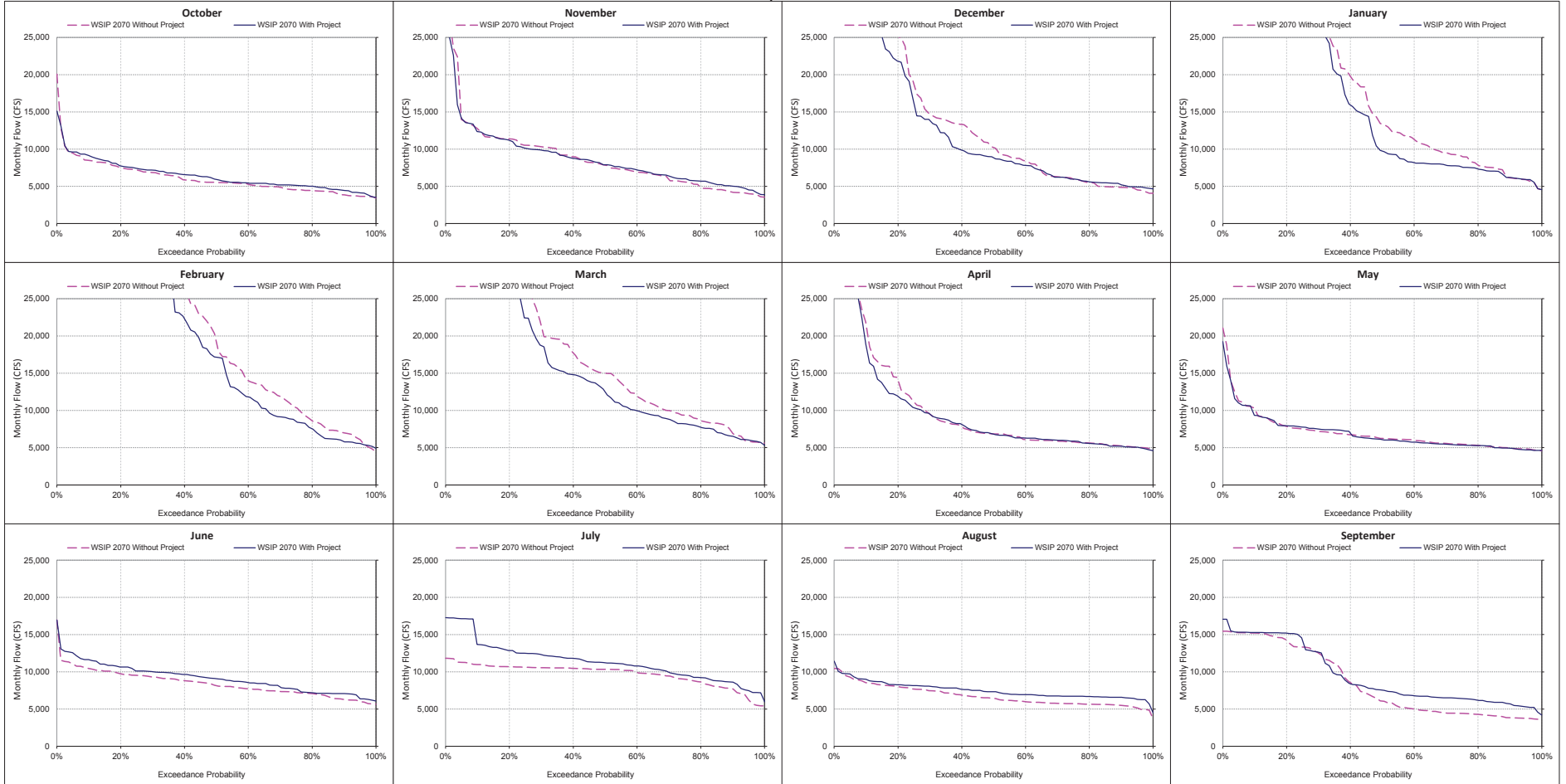


Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,074	15,094	-4,980	-24.8%
1.2%	12,899	13,125	226	1.8%
2.5%	10,431	10,440	9	0.1%
3.7%	9,527	9,693	166	1.7%
4.9%	9,479	9,629	150	1.6%
6.2%	9,164	9,612	448	4.9%
7.4%	9,079	9,327	249	2.7%
8.6%	8,547	9,349	779	9.0%
9.9%	8,487	9,159	672	7.9%
11.1%	8,426	8,953	527	6.3%
12.3%	8,243	8,773	529	6.4%
13.6%	8,240	8,604	364	4.4%
14.8%	8,191	8,486	295	3.6%
16.0%	8,137	8,344	277	3.4%
18.5%	7,730	8,063	333	4.3%
19.8%	7,522	7,771	250	3.3%
21.0%	7,409	7,649	240	3.2%
22.2%	7,318	7,573	255	3.5%
23.5%	7,277	7,528	251	3.5%
24.7%	7,227	7,456	229	3.2%
25.9%	7,108	7,322	213	3.0%
27.2%	6,935	7,253	318	4.6%
28.4%	6,826	7,187	281	3.8%
29.6%	6,864	7,187	323	4.7%
30.9%	6,833	7,170	337	4.9%
32.1%	6,667	7,015	348	5.2%
33.3%	6,548	6,998	450	6.9%
34.6%	6,521	6,783	263	4.0%
35.8%	6,443	6,779	336	5.2%
37.0%	6,416	6,757	342	5.3%
38.3%	6,223	6,665	442	7.1%
39.5%	5,891	6,575	684	11.6%
40.7%	5,828	6,475	719	12.3%
42.0%	5,806	6,526	720	12.4%
43.2%	5,722	6,454	732	12.8%
44.4%	5,616	6,370	754	13.4%
45.7%	5,599	6,310	710	12.7%
46.9%	5,551	6,130	740	13.3%
48.1%	5,547	6,190	643	11.6%
49.4%	5,545	5,968	423	7.6%
50.6%	5,514	5,866	352	6.4%
51.9%	5,509	5,739	230	4.2%
53.1%	5,479	5,660	181	3.3%
54.3%	5,465	5,559	93	1.7%
55.6%	5,449	5,553	104	1.9%
56.8%	5,403	5,552	149	2.7%
58.0%	5,392	5,466	74	1.4%
59.3%	5,372	5,463	91	1.7%
60.5%	5,205	5,404	199	3.8%
61.7%	5,132	5,403	272	5.3%
63.0%	5,118	5,403	285	5.6%
64.2%	4,997	5,398	401	8.0%
65.4%	4,993	5,393	401	8.0%
66.7%	4,969	5,299	330	6.6%
67.9%	4,949	5,289	340	6.9%
69.1%	4,940	5,204	265	5.4%
70.4%	4,941	5,188	247	5.0%
71.6%	4,949	5,187	238	4.8%
72.8%	4,805	5,175	370	7.7%
74.1%	4,545	5,166	621	13.7%
75.3%	4,541	5,015	584	12.9%
76.5%	4,527	5,099	572	12.6%
77.8%	4,452	5,084	632	14.2%
79.0%	4,446	5,030	585	13.2%
80.2%	4,423	5,007	584	13.2%
81.5%	4,387	4,909	521	11.9%
82.7%	4,353	4,846	493	11.3%
84.0%	4,346	4,841	495	11.4%
85.2%	4,288	4,680	392	9.2%
86.4%	4,282	4,587	305	7.1%
87.7%	4,055	4,578	523	12.9%
88.9%	3,881	4,530	649	16.7%
90.1%	3,857	4,426	569	14.8%
91.4%	3,762	4,417	655	17.4%
92.6%	3,715	4,181	466	12.5%
93.8%	3,715	4,176	461	12.4%
95.1%	3,652	4,134	482	13.2%
96.3%	3,651	4,086	435	11.9%
97.5%	3,628	3,849	221	6.1%
98.8%	3,623	3,859	236	6.5%
100.0%	3,429	3,525	96	2.8%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,887	29,760	872	3.0%
1.2%	27,428	25,964	-1,464	-5.3%
2.5%	23,554	22,603	-951	-4.0%
3.7%	22,408	15,971	-6,437	-28.7%
4.9%	13,985	14,151	166	1.2%
6.2%	13,684	13,582	-102	-0.7%
7.4%	13,386	13,473	87	0.6%
8.6%	13,170	13,367	197	1.5%
9.9%	12,749	12,357	-392	-3.1%
11.1%	12,267	12,285	18	0.1%
12.3%	11,679	11,958	278	2.4%
13.6%	11,604	11,814	210	1.8%
14.8%	11,579	11,765	187	1.6%
16.0%	11,570	11,509	-60	-0.5%
17.3%	11,399	11,355	-44	-0.4%
18.5%	11,389	11,312	-77	-0.7%
19.8%	11,376	11,224	-152	-1.3%
21.0%	11,345	11,004	-341	-3.0%
22.2%	11,219	10,415	-804	-7.2%
23.5%	10,667	7,603	-3,064	-28.7%
24.7%	10,518	10,163	-356	-3.4%
25.9%	10,514	10,050	-464	-4.4%
27.2%	10,493	9,988	-504	-4.8%
28.4%	10,410	9,942	-468	-4.5%
29.6%	10,347	9,917	-430	-4.2%
30.9%	10,267	9,797	-470	-4.6%
32.1%	10,233	9,715	-482	-4.7%
33.3%	10,147	9,596	-551	-5.4%
34.6%	10,106	9,592	-514	-5.1%
35.8%	9,209	9,184	-25	-0.3%
37.0%	9,196	9,105	-91	-1.0%
38.3%	9,189	8,926	-264	-2.9%
39.5%	8,985	8,809	-176	-2.0%
40.7%	8,949	8,721	-228	-2.6%
42.0%	8,705	8,628	-77	-0.9%
43.2%	8,624	8,401	-223	-2.6%
44.4%	8,238	8,592	353	4.3%
45.7%	8,206	8,441	235	2.9%
46.9%	8,168	8,291	98	1.2%
48.1%	8,042	8,185	143	1.8%
49.4%	7,898	7,900	2	0.0%
50.6%	7,842	7,895	53	0.7%
51.9%	7,462	7,837	375	5.0%
53.1%	7,430	7,661	231	3.1%
54.3%	7,327	7,636	309	4.2%
55.6%	7,315	7,498	183	2.5%
56.8%	7,229	7,420	191	2.6%
58.0%	7,101	7,419	318	4.5%
59.3%	6,989	7,295	306	4.4%
60.5%	6,894	7,136	242	3.5%
61.7%	6,866	7,081	215	3.1%
63.0%	6,798	6,930	142	2.1%
64.2%	6,659	6,841	182	2.7%
65.4%	6,604	6,634	30	0.5%
66.7%	6,516	6,576	60	0.9%
67.9%	6,396	6,563	167	2.6%
69.1%	6,356	6,529	173	2.7%
70.4%	6,347	6,325	-22	-0.3%
71.6%	6,196	6,159	-37	-0.6%
72.8%	5,724	6,059	335	5.8%
74.1%	5,623	6,021	398	7.1%
75.3%	5,563	6,015	452	8.1%
76.5%	5,555	5,800	245	4.4%
77.8%	5,286	5,747	462	8.7%
79.0%	5,264	5,716	452	8.6%
80.2%	5,240	5,695	455	8.7%
81.5%	4,714	5,679	964	20.5%
82.7%	4,701	5,509	808	17.2%
84.0%	4,631	5,387	756	16.3%
85.2%	4,564	5,230	666	14.6%
86.4%	4,556	5,212	656	14.4%
87.7%	4,451	5,082	631	14.2%
88.9%	4,311	5,076	765	17.8%
90.1%	4,188	4,999	811	19.4%
91.4%	4,059	4,843	784	19.3%
92.6%	4,145	4,860	715	17.2%
93.8%	4,107	4,734	627	15.3%
95.1%	4,008	4,517	508	12.7%
96.3%	3,969	4,469	501	12.6%
97.5%	3,886	4,174	288	7.4%
98.8%	3,592	3,899	307	8.6%
100.0%	3,543	3,859	317	8.9%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	70,245	70,145	-100	-0.1%
1.2%	52,828	51,694	-1,134	-2.1%
2.5%	51,090	49,674	-1,417	-2.8%
3.7%	50,781	45,264	-5,517	-10.9%
4.9%	48,014	43,483	-4,531	-9.4%
6.2%	46,289	41,853	-4,436	-9.6%
7.4%	43,297	40,417	-2,880	-6.7%
8.6%	40,566	38,588	-1,978	-4.9%
9.9%	39,589	33,937	-5,652	-14.3%
11.1%	38,893	26,591	-12,302	-31.6%
12.3%	38,890	26,542	-12,348	-31.8%
13.6%	30,000	26,176	-3,824	-12.7%
14.8%	28,116	25,342	-2,774	-9.9%
16.0%	27,116	23,468	-3,648	-13.5%
17.3%	25,399	23,109	-2,290	-9.0%
18.5%	26,508	22,239	-4,269	-16.1%
19.8%	25,127	21,848	-3,279	-13.0%
21.0%	24,974	21,688	-3,286	-13.2%
22.2%	23,827	19,818	-4,009	-16.8%
23.5%	20,075	19,355	-720	-3.6%
24.7%	19,164	16,833	-2,331	-12.2%
25.9%	17,387	14,469	-2,918	-16.8%
27.2%	16,837	14,407	-2,430	-14.5%
28.4%	15,393	14,005	-1,388	-9.0%
29.6%	14,914	13,991	-923	-6.2%
30.9%	14,483	13,426	-1,057	-7.3%
32.1%	14,192	13,235	-957	-6.7%
33.3%	14,105	12,222	-1,884	-13.4%
34.6%	13,973	12,165	-1,808	-12.9%
35.8%	13,757	11,625	-2,132	-15.5%
37.0%	13,534	10,314	-3,220	-23.8%
38.3%	13,390	10,285	-3,105	-23.2%
39.5%	13,348	9,928	-3,420	-25.6%
40.7%	13,277	9,747	-3,531	-26.6%
42.0%	12,857	9,422	-3,435	-26.6%
43.2%	12,821	8,221	-4,600	-35.9%
44.4%	11,825	9,240	-2,585	-21.9%
45.7%	11,466	9,248	-2,218	-19.3%
46.9%	10,958	9,127	-1,831	-16.7%
48.1%	10,871	9,002	-1,869	-17.2%
49.4%	10,308	8,987	-1,321	-12.8%
50.6%	10,107	8,684	-1,423	-14.1%
51.9%	9,337	8,637	-700	-7.5%
53.1%	9,223	8,489	-734	-8.0%
54.3%	9,114	8,364	-750	-8.2%
55.6%	8,859	8,358	-501	-5.7%
56.8%	8,765	8,031	-734	-8.4%
58.0%	8,764	8,000	-764	-8.7%
59.3%	8,482	7,833	-649	-7.7%
60.5%	8,353	7,785	-567	-6.8%
61.7%	8,030	7,750	-280	-3.5%
63.0%	7,965	7,412	-553	-7.2%
64.2%	7,559	7,215	-344	-4.6%
65.4%	7,098	7,081	-17	-0.2%
66.7%	6,421	6,708	284	4.4%
67.9%	6,345	6,560	215	3.4%
69.1%	6,318	6,230	-88	-1.4%
70.4%	6,269	6,228	-40	-0.6%
71.6%	6,196	6,156	-40	-0.6%
72.8%	6,182	6,161	-21	-0.3%
74.1%	6,138	5,979	-159	-2.6%
75.3%	5,898	5,976	78	1.3%
76.5%	5,871	5,894	23	0.4%
77.8%	5,713	5,722	9	0.2%
79.0%	5,549	5,698	148	2.7%
80.2%	5,522	5,574	52	0.9%
81.5%	5,434	5,562	127	2.3%
82.7%	5,004	5,517	513	10.2%
84.0%	4,980	5,492	512	10.3%
85.2%	4,954	5,487	533	10.8%

Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,785	100,994	-1,792	-1.7%
1.2%	96,964	97,054	90	0.1%
2.5%	83,659	81,750	-1,909	-2.3%
3.7%	82,459	79,497	-2,963	-3.6%
4.9%	80,729	77,889	-2,840	-3.5%
6.2%	77,780	77,734	-47	-0.1%
7.4%	75,418	75,305	-113	-0.1%
8.6%	66,914	66,428	-486	-0.7%
9.9%	65,784	64,017	-1,767	-2.7%
11.1%	64,196	62,751	-1,445	-2.3%
12.3%	62,556	62,714	158	0.3%
13.6%	61,965	60,324	-1,641	-2.6%
14.8%	61,627	58,145	-3,482	-5.6%
16.0%	54,660	50,129	-4,532	-8.3%
17.3%	50,967	49,097	-1,870	-3.7%
18.5%	49,722	47,128	-2,594	-5.2%
19.8%	49,315	45,507	-3,808	-7.7%
21.0%	47,778	44,918	-2,860	-6.0%
22.2%	46,752	42,420	-4,332	-9.3%
23.5%	43,939	41,686	-2,253	-5.1%
24.7%	41,667	39,454	-2,212	-5.3%
25.9%	38,167	34,158	-4,009	-10.5%
27.2%	36,531	33,624	-2,908	-8.0%
28.4%	33,454	32,014	-1,440	-4.3%
29.6%	33,047	31,475	-1,572	-4.8%
30.9%	32,976	30,208	-2,767	-8.4%
32.1%	32,735	30,000	-2,735	-8.4%
33.3%	32,511	30,000	-2,511	-7.7%
34.6%	32,127	29,485	-2,643	-8.2%
35.8%	30,000	28,290	-1,710	-5.7%
37.0%	27,479	23,230	-4,249	-15.5%
38.3%	26,172	23,123	-3,049	-11.6%
39.5%	26,094	22,653	-3,441	-13.2%
40.7%	25,665	21,776	-3,889	-15.2%
42.0%	24,306	20,786	-3,520	-14.5%
43.2%	24,175	20,541	-3,634	-15.0%
44.4%	22,983	19,792	-3,191	-13.9%
45.7%	22,677	18,460	-4,217	-18.6%
46.9%	22,029	18,309	-3,720	-16.9%
48.1%	21,304	17,596	-3,709	-17.4%
49.4%	20,315	17,186	-3,129	-15.4%
50.6%	17,941	17,124	-817	-4.6%
51.9%	17,252	17,022	-230	-1.3%
53.1%	17,193	14,812	-2,381	-13.8%
54.3%	16,348	13,181	-3,167	-19.4%
55.6%	16,195	13,081	-3,114	-19.2%
56.8%	15,775	12,781	-2,994	-19.0%
58.0%	15,285	12,318	-2,967	-19.4%
59.3%	14,188	11,869	-2,319	-16.3%
60.5%	13,882	11,759	-2,123	-15.3%
61.7%	13,704	11,375	-2,329	-17.0%
63.0%	13,497	11,097	-2,399	-17.8%
64.2%	13,401	10,297	-3,104	-23.2%
65.4%	12,786	10,248	-2,538	-19.8%
66.7%	12,550	9,629	-2,921	-23.3%
67.9%	12,444	9,333	-3,111	-25.0%
69.1%	12,018	9,169	-2,849	-23.7%
70.4%	11,828	9,120	-2,708	-22.9%
71.6%	11,420	9,057	-2,363	-20.7%
72.8%	11,032	8,886	-2,146	-19.5%
74.1%	10,555	8,828	-1,727	-16.4%
75.3%	10,316	8,428	-1,888	-18.3%
76.5%	9,773	8,353	-1,420	-14.5%
77.8%	9,324	8,274	-1,050	-11.3%
79.0%	8,943	7,725	-1,218	-13.6%
80.2%	8,534	7,494	-1,040	-12.2%
81.5%	8,436	6,990	-1,447	-17.1%
82.7%	8,187	6,608	-1,579	-19.3%
84.0%	7,735	6,238	-1,497	-19.4%
85.2%	7,345	5,746	-1,599	-21.8%
86.4%	7,341	6,158	-1,184	-16.1%
87.7%	7,298	6,149	-1,150	-15.8%
88.9%	7,094	6,014	-1,080	-15.2%
90.1%	6,979	5,795	-1,184	-17.0%
91.4%	6,880	5,769	-1,112	-16.2%
92.6%	6,761	5,745	-1,015	-15.0%
93.8%	6,361	5,617	-745	-11.7%
95.1%	6,069	5,562	-508	-8.4%
96.3%	5,407	5,397	-10	-0.2%
97.5%	5,118	5,319	201	3.9%
98.8%	4,838	5,184	346	7.2%
100.0%	4,443	4,941	498	11.2%

Percent Exceedance Probability	March			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	93,879	94,024	145	0.2%
1.2%	86,295	84,890	-1,405	-1.6%
2.5%	77,413	73,475	-3,937	-5.1%
3.7%	56,443	56,442	-2	0.0%
4.9%	55,170	51,199	-3,971	-7.2%
6.2%	53,068	49,268	-3,800	-7.2%
7.4%	47,483	43,818	-3,665	-7.7%
8.6%	46,987	41,581	-5,416	-11.5%
9.9%	45,332	41,953	-3,379	-7.4%
11.1%	42,368	40,119	-2,249	-5.3%
12.3%	40,105	38,495	-1,609	-4.0%
13.6%	38,511	36,466	-2,045	-5.3%
14.8%	34,425	34,708	283	0.8%
16.0%	33,089	30,000	-3,089	-9.3%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	28,491	-1,509	-5.0%
19.8%	29,869	28,016	-1,853	-6.2%
21.0%	28,524	27,780	-744	-2.6%
22.2%	27,793	27,744	-50	-0.2%
23.5%	26,660	24,984	-1,666	-6.2%
24.7%	25,727	22,443	-3,285	-12.8%
25.9%	25,722	22,391	-3,330	-12.9%
27.2%	25,032	20,767	-4,265	-17.0%
28.4%	23,755	19,603	-4,151	-17.5%
29.6%	21,475	18,733	-2,741	-12.7%
30.9%	19,914	18,528	-1,386	-7.0%
32.1%	19,862	16,401	-3,461	-17.4%
33.3%	19,691	15,749	-3,943	-20.0%
34.6%	19,615	15,548	-4,067	-20.7%
35.8%	19,550	15,320	-4,231	-21.6%
37.0%	18,927	15,215	-3,711	-19.6%
38.3%	18,859	14,922	-3,936	-20.9%
39.5%	17,959	14,838	-3,120	-17.4%
40.7%	17,385	14,754	-2,630	-15.1%
42.0%	16,525	14,601	-1,924	-11.6%
43.2%	16,253	14,391	-1,862	-11.5%
44.4%	15,923	14,030	-1,893	-11.9%
45.7%	15,584	13,805	-1,779	-11.4%
46.9%	15,323	13,692	-1,631	-10.6%
48.1%	15,105	13,307	-1,798	-11.9%
49.4%	15,061	12,860	-2,201	-14.6%
50.6%	14,982	12,978	-2,004	-13.4%
51.9%	14,967	11,704	-3,264	-21.8%
53.1%	14,560	11,131	-3,428	-23.5%
54.3%	13,971	11,004	-2,966	-21.2%
55.6%	13,466	10,605	-2,860	-21.2%
56.8%	12,954	10,447	-2,507	-19.4%
58.0%	12,379	10,143	-2,236	-18.1%
59.3%	12,302	10,046	-2,257	-18.3%
60.5%	11,762	9,930	-1,832	-15.6%
61.7%	11,462	9,736	-1,725	-15.1%
63.0%	11,096	9,586	-1,510	-13.6%
64.2%	10,990	9,462	-1,528	-13.9%
65.4%	10,781	9,350	-1,431	-13.3%
66.7%	10,497	9,320	-1,177	-11.2%
67.9%	10,206	9,025	-1,181	-11.6%
69.1%	10,017	8,928	-1,089	-10.9%
70.4%	9,971	8,779	-1,192	-12.0%
71.6%	9,734	8,540	-1,194	-12.3%
72.8%	9,628	8,232	-1,396	-14.5%
74.1%	9,373	8,222	-1,151	-12.3%
75.3%	9,369	8,194	-1,175	-12.5%
76.5%	9,313	8,085	-1,229	-13.2%
77.8%	8,986	8,032	-954	-10.6%
79.0%	8,873	7,886	-986	-11.1%
80.2%	8,589	7,700	-889	-10.4%
81.5%	8,471	7,614	-858	-10.1%
82.7%	8,348	7,611	-737	-8.8%
84.0%	8,302	7,492	-809	-9.7%
85.2%	8,277	7,014	-1,264	-15.3%
86.4%	8,179	6,953	-1,226	-15.0%
87.7%	8,036	6,736	-1,300	-16.2%
88.9%	7,587	6,586	-1,001	-13.2%
90.1%	6,860	6,537	-324	-4.7%
91.4%	6,689	6,506	-183	-2.7%
92.6%	6,548	6,097	-451	-6.9%
93.8%	5,960	6,084	124	2.1%
95.1%	5,874	6,021	147	2.5%
96.3%	5,764	5,918	153	2.7%
97.5%	5,750	5,852	102	1.8%
98.8%	5,647	5,699	52	0.9%
100.0%	5,615	5,310	-304	-5.4%

Percent Exceedance Probability	April			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,986	46,796	-3,190	-6.2%
1.2%	42,526	42,473	-53	-0.1%
2.5%	42,211	42,163	-49	-0.1%
3.7%	39,448	37,960	-1,487	-3.8%
4.9%	27,437	27,365	-72	-0.3%
6.2%	26,030	26,019	-11	0.0%
7.4%	25,816	25,358	-458	-1.8%
8.6%	23,595	22,443	-1,152	-4.9%
9.9%	21,879	18,870	-3,009	-13.8%
11.1%	18,536	16,382	-2,155	-11.6%
12.3%	17,097	15,958	-1,138	-6.7%
13.6%	16,579	14,205	-2,374	-14.3%
14.8%	16,057	13,770	-2,287	-14.2%
16.0%	15,948	12,995	-2,953	-18.5%
17.3%	15,941	12,286	-3,655	-22.9%
18.5%	14,523	12,250	-2,274	-15.7%
19.8%	14,452	11,991	-2,460	-17.0%
21.0%	12,757	11,548	-1,209	-9.5%
22.2%	12,332	11,376	-956	-7.8%
23.5%	12,013	10,868	-1,145	-9.5%
24.7%	11,290	10,401	-888	-7.9%
25.9%	10,722	10,220	-502	-4.7%
27.2%	10,585	10,084	-501	-4.7%
28.4%	10,023	9,695	-328	-3.3%
29.6%	9,617	9,648	31	0.3%
30.9%	9,221	9,216	-5	-0.1%
32.1%	8,866	9,029	163	1.8%
33.3%	8,589	8,912	322	3.7%
34.6%	8,462	8,860	398	4.7%
35.8%	8,319	8,712	393	4.7%
37.0%	8,162	8,390	228	2.8%
38.3%	8,132	8,249	117	1.4%
39.5%	8,017	8,227	210	2.6%
40.7%	7,577	7,950	373	4.9%
42.0%	7,445	7,588	143	1.9%
43.2%	7,047	7,397	350	4.9%
44.4%	7,074	7,314	241	3.4%
45.7%	7,007	7,082	76	1.1%
46.9%	6,946	7,035	89	1.3%
48.1%	6,925	7,024	100	1.4%
49.4%	6,857	6,880	22	0.3%
50.6%	6,855	6,736	-119	-1.7%
51.9%	6,847	6,678	-169	-2.5%
53.1%	6,840	6,659	-181	-2.6%
54.3%	6,671	6,634	-37	-0.6%
55.6%	6,656	6,508	-148	-2.2%
56.8%	6,469	6,317	-152	-2.4%
58.0%	6,455	6,317	-138	-2.1%
59.3%	6,111	6,302	190	3.1%
60.5%	6,074	6,297	223	3.7%
61.7%	6,014	6,271	257	4.3%
63.0%	6,004	6,262	258	4.3%
64.2%	5,990	6,182	192	3.2%
65.4%	5,979	6,109	130	2.2%
66.7%	5,974	6,086	112	1.9%
67.9%	5,974	6,061	88	1.5%
69.1%	5,910	6,043	133	2.2%
70.4%	5,868	5,993	125	2.1%
71.6%	5,868	5,987	119	2.0%
72.8%	5,798	5,975	177	3.0%
74.1%	5,795	5,881	87	1.5%
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Table SW-14-b  
Sacramento River below Delevan Intake and Pipeline, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,971	16,961	-11	-0.1%
1.2%	11,547	13,055	1,508	13.1%
2.5%	11,388	12,743	1,355	11.9%
3.7%	11,325	12,669	1,344	11.9%
4.9%	11,064	12,586	1,522	13.8%
6.2%	10,751	12,135	1,385	12.9%
7.4%	10,748	11,789	1,041	9.7%
8.6%	10,597	11,635	1,038	9.8%
9.9%	10,457	11,627	1,169	11.2%
11.1%	10,349	11,510	1,161	11.2%
12.3%	10,215	11,444	1,230	12.0%
13.6%	10,204	11,033	830	8.1%
14.8%	10,099	11,024	925	9.2%
16.0%	10,091	10,864	772	7.7%
17.3%	10,075	10,854	779	7.7%
18.5%	9,908	10,777	868	8.8%
19.8%	9,749	10,661	913	9.4%
21.0%	9,647	10,649	1,002	10.4%
22.2%	9,639	10,632	994	10.3%
23.5%	9,554	10,457	903	9.4%
24.7%	9,540	10,127	586	6.1%
25.9%	9,494	10,121	628	6.6%
27.2%	9,478	10,108	630	6.6%
28.4%	9,419	10,057	638	6.8%
29.6%	9,319	10,031	713	7.6%
30.9%	9,310	9,972	662	7.1%
32.1%	9,200	9,932	733	8.0%
33.3%	9,107	9,930	823	9.0%
34.6%	9,107	9,909	802	8.8%
35.8%	9,069	9,846	778	8.6%
37.0%	9,023	9,766	744	8.2%
38.3%	8,866	9,710	845	9.5%
39.5%	8,835	9,642	807	9.1%
40.7%	8,781	9,638	856	9.8%
42.0%	8,734	9,539	805	9.2%
43.2%	8,734	9,364	630	7.2%
44.4%	8,609	9,358	748	8.7%
45.7%	8,557	9,298	741	8.7%
46.9%	8,492	9,215	723	8.5%
48.1%	8,402	9,131	728	8.7%
49.4%	8,185	9,113	924	11.3%
50.6%	8,067	9,046	979	12.1%
51.9%	8,044	8,997	953	11.9%
53.1%	8,037	8,874	837	10.4%
54.3%	8,035	8,837	802	10.0%
55.6%	7,949	8,720	771	9.7%
56.8%	7,850	8,710	860	11.0%
58.0%	7,788	8,684	896	11.5%
59.3%	7,732	8,605	873	11.3%
60.5%	7,723	8,510	787	10.2%
61.7%	7,655	8,506	852	11.1%
63.0%	7,654	8,450	796	10.4%
64.2%	7,551	8,434	883	11.7%
65.4%	7,473	8,424	950	12.7%
66.7%	7,454	8,236	783	10.5%
67.9%	7,447	8,189	742	10.0%
69.1%	7,393	8,166	773	10.5%
70.4%	7,345	7,973	628	8.5%
71.6%	7,341	7,798	457	6.2%
72.8%	7,332	7,775	442	6.0%
74.1%	7,328	7,731	403	5.5%
75.3%	7,198	7,657	459	6.4%
76.5%	7,189	7,291	121	1.7%
77.8%	7,168	7,242	74	1.0%
79.0%	7,113	7,232	120	1.7%
80.2%	7,075	7,212	117	1.7%
81.5%	6,991	7,122	131	1.9%
82.7%	6,940	7,119	178	2.6%
84.0%	6,842	7,105	263	3.9%
85.2%	6,848	7,102	254	3.7%
86.4%	6,423	7,081	658	10.2%
87.7%	6,390	7,071	681	10.7%
88.9%	6,363	7,066	702	11.0%
90.1%	6,264	7,062	797	12.7%
91.4%	6,214	7,043	829	13.3%
92.6%	6,195	7,024	828	13.4%
93.8%	6,184	6,910	726	11.7%
95.1%	5,981	6,357	375	6.3%
96.3%	5,930	6,355	424	7.2%
97.5%	5,724	6,280	556	9.7%
98.8%	5,690	6,260	570	10.0%
100.0%	5,649	6,082	433	7.7%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,826	17,274	5,448	46.1%
1.2%	11,798	17,234	5,435	46.1%
2.5%	11,766	17,227	5,461	46.4%
3.7%	11,302	17,167	5,865	51.9%
4.9%	11,272	17,154	5,883	52.2%
6.2%	11,254	17,153	5,899	52.4%
7.4%	11,160	17,106	5,947	53.3%
8.6%	11,038	17,088	6,073	55.1%
9.9%	10,970	17,068	6,098	55.6%
11.1%	10,968	16,841	2,672	24.4%
12.3%	10,887	13,559	2,673	24.5%
13.6%	10,790	13,391	2,601	24.1%
14.8%	10,757	13,281	2,524	23.5%
16.0%	10,725	13,273	2,547	23.8%
17.3%	10,707	13,125	2,418	22.6%
18.5%	10,698	12,992	2,294	21.4%
19.8%	10,693	12,854	2,162	20.2%
21.0%	10,674	12,839	2,165	20.3%
22.2%	10,647	12,535	1,888	17.7%
23.5%	10,647	12,489	1,842	17.3%
24.7%	10,614	12,481	1,868	17.6%
25.9%	10,604	12,477	1,874	17.7%
27.2%	10,578	12,473	1,895	17.9%
28.4%	10,569	12,413	1,844	17.5%
29.6%	10,556	12,347	1,791	16.9%
30.9%	10,552	12,224	1,672	15.8%
32.1%	10,540	12,152	1,612	15.3%
33.3%	10,532	12,094	1,562	14.8%
34.6%	10,530	12,038	1,508	14.3%
35.8%	10,529	12,013	1,484	14.1%
37.0%	10,528	11,896	1,368	12.9%
38.3%	10,522	11,829	1,307	12.4%
39.5%	10,466	11,824	1,359	13.0%
40.7%	10,456	11,787	1,331	12.7%
42.0%	10,434	11,724	1,290	12.4%
43.2%	10,424	11,620	1,196	11.5%
44.4%	10,398	11,374	977	9.4%
45.7%	10,355	11,328	973	9.4%
46.9%	10,340	11,299	959	9.3%
48.1%	10,340	11,294	954	9.2%
49.4%	10,333	11,241	908	8.8%
50.6%	10,330	11,171	841	8.1%
51.9%	10,328	11,162	834	8.1%
53.1%	10,316	11,148	832	8.1%
54.3%	10,304	11,103	800	7.8%
55.6%	10,193	11,055	862	8.5%
56.8%	10,190	10,926	736	7.2%
58.0%	10,178	10,896	718	7.1%
59.3%	10,109	10,779	670	6.6%
60.5%	9,837	10,773	937	9.5%
61.7%	9,802	10,699	897	9.2%
63.0%	9,780	10,613	834	8.5%
64.2%	9,733	10,471	738	7.6%
65.4%	9,689	10,349	650	6.7%
66.7%	9,635	10,331	697	7.2%
67.9%	9,579	10,201	622	6.5%
69.1%	9,449	10,112	663	7.0%
70.4%	9,427	9,860	433	4.6%
71.6%	9,257	9,739	482	5.2%
72.8%	9,086	9,637	551	6.1%
74.1%	9,055	9,568	513	5.7%
75.3%	8,996	9,550	554	6.2%
76.5%	8,882	9,457	575	6.5%
77.8%	8,796	9,248	452	5.1%
79.0%	8,688	9,245	556	6.4%
80.2%	8,622	9,212	590	6.8%
81.5%	8,356	9,190	834	10.0%
82.7%	8,237	9,007	770	9.3%
84.0%	8,067	8,815	748	9.3%
85.2%	8,033	8,791	758	9.4%
86.4%	7,941	8,737	796	10.0%
87.7%	7,815	8,666	851	10.9%
88.9%	7,806	8,650	844	10.8%
90.1%	7,686	8,609	923	12.0%
91.4%	7,527	8,324	797	10.6%
92.6%	7,074	7,759	685	9.7%
93.8%	6,925	7,592	668	9.6%
95.1%	6,182	7,478	1,296	21.0%
96.3%	6,242	7,214	1,552	27.4%
97.5%	5,494	7,213	1,719	31.3%
98.8%	5,430	7,185	1,754	32.3%
100.0%	5,417	5,958	540	10.0%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,449	11,414	965	9.2%
1.2%	10,426	10,064	-362	-3.5%
2.5%	10,014	9,802	-212	-2.1%
3.7%	9,465	9,755	289	3.1%
4.9%	9,286	9,700	414	4.5%
6.2%	8,984	9,315	331	3.7%
7.4%	8,929	9,075	146	1.6%
8.6%	8,796	9,051	255	2.9%
9.9%	8,551	9,009	458	5.4%
11.1%	8,472	8,841	369	4.3%
12.3%	8,435	8,715	281	3.3%
13.6%	8,287	8,690	403	4.9%
14.8%	8,236	8,687	451	5.5%
16.0%	8,177	8,499	322	3.9%
17.3%	8,145	8,303	158	1.9%
18.5%	8,095	8,289	194	2.4%
19.8%	8,047	8,267	220	2.7%
21.0%	7,920	8,257	337	4.3%
22.2%	7,887	8,197	310	3.9%
23.5%	7,852	8,186	334	4.4%
24.7%	7,694	8,146	452	5.9%
25.9%	7,658	8,134	477	6.2%
27.2%	7,638	8,115	477	6.2%
28.4%	7,631	8,085	454	5.9%
29.6%	7,527	7,456	-71	-0.9%
30.9%	7,445	8,012	567	7.6%
32.1%	7,410	7,963	553	7.5%
33.3%	7,386	7,862	476	6.4%
34.6%	7,158	7,842	684	9.6%
35.8%	7,147	7,823	676	9.5%
37.0%	7,128	7,819	691	9.7%
38.3%	6,951	7,810	859	12.4%
39.5%	6,921	7,670	749	10.9%
40.7%	6,783	7,612	829	12.2%
42.0%	6,762	7,604	842	12.5%
43.2%	6,672	7,497	825	12.4%
44.4%	6,657	7,489	832	12.5%
45.7%	6,550	7,488	938	14.3%
46.9%	6,517	7,354	838	12.9%
48.1%	6,515	7,340	825	12.7%
49.4%	6,453	7,336	883	13.7%
50.6%	6,410	7,317	907	14.3%
51.9%	6,248	7,175	927	14.8%
53.1%	6,188	7,070	882	14.3%
54.3%	6,178	7,041	863	14.0%
55.6%	6,154	6,984	830	13.5%
56.8%	6,087	6,954	867	14.2%
58.0%	6,067	6,948	881	14.5%
59.3%	6,032	6,945	913	15.1%
60.5%	5,957	6,937	980	16.4%
61.7%	5,915	6,936	1,021	17.3%
63.0%	5,909	6,887	978	16.6%
64.2%	5,903	6,842	939	15.9%
65.4%	5,862	6,836	974	16.6%
66.7%	5,841	6,770	929	15.9%
67.9%	5,785	6,770	985	17.0%
69.1%	5,779	6,767	988	17.1%
70.4%	5,755	6,766	1,011	17.6%
71.6%	5,750	6,732	981	17.1%
72.8%	5,724	6,730	1,006	17.6%
74.1%	5,724	6,725	1,001	17.5%
75.3%	5,724	6,711	987	17.3%
76.5%	5,716	6,708	991	17.3%
77.8%	5,680	6,707	1,027	18.1%
79.0%	5,643	6,698	1,055	18.7%
80.2%	5,640	6,669	1,030	18.3%
81.5%	5,637	6,65		

Figure SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

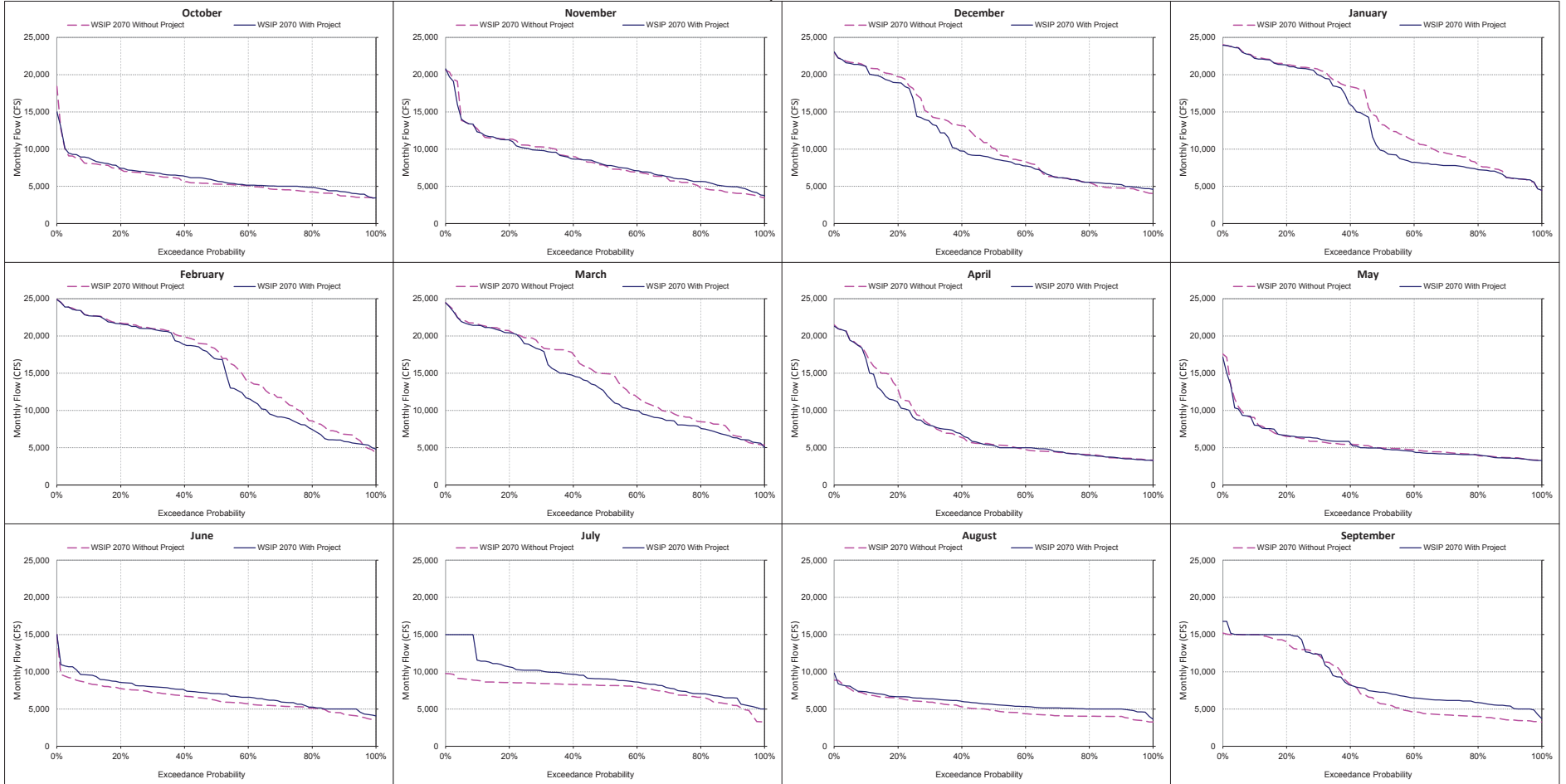




Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,434	15,000	-3,434	-18.6%
1.2%	12,719	12,945	226	1.8%
2.5%	10,136	10,113	-22	-0.2%
3.7%	9,083	9,486	402	4.4%
4.9%	9,067	9,302	235	2.6%
6.2%	8,757	9,261	504	5.8%
7.4%	8,730	8,932	202	2.3%
8.6%	8,126	8,927	801	9.9%
9.9%	8,076	8,913	737	9.1%
11.1%	8,040	8,572	531	6.6%
12.3%	8,004	8,328	324	4.0%
13.6%	7,891	8,217	327	4.1%
14.8%	7,870	8,100	230	2.9%
16.0%	7,805	8,058	253	3.2%
17.3%	7,480	7,861	381	5.1%
18.5%	7,423	7,831	408	5.5%
19.8%	7,329	7,426	97	1.3%
21.0%	7,014	7,416	402	5.7%
22.2%	7,002	7,177	175	2.5%
23.5%	6,928	7,135	208	3.0%
24.7%	6,883	7,093	210	3.0%
25.9%	6,865	7,027	162	2.4%
27.2%	6,693	6,995	302	4.5%
28.4%	6,581	6,901	321	4.9%
29.6%	6,507	6,866	359	5.5%
30.9%	6,432	6,814	382	5.9%
32.1%	6,354	6,752	398	6.3%
33.3%	6,241	6,613	372	6.0%
34.6%	6,229	6,534	305	4.9%
35.8%	6,192	6,526	334	5.4%
37.0%	6,149	6,505	356	5.8%
38.3%	6,082	6,435	353	5.8%
39.5%	5,611	6,401	790	14.1%
40.7%	5,611	6,297	686	12.2%
42.0%	5,473	6,157	684	12.5%
43.2%	5,463	6,154	691	12.6%
44.4%	5,449	6,142	693	12.7%
45.7%	5,418	6,131	713	13.2%
46.9%	5,409	6,105	697	11.2%
48.1%	5,325	5,944	620	11.6%
49.4%	5,315	5,803	488	9.2%
50.6%	5,296	5,644	348	6.6%
51.9%	5,295	5,627	332	6.3%
53.1%	5,255	5,475	220	4.2%
54.3%	5,244	5,410	166	3.2%
55.6%	5,200	5,356	156	3.0%
56.8%	5,185	5,248	63	1.2%
58.0%	5,169	5,246	77	1.5%
59.3%	5,119	5,163	44	0.9%
60.5%	5,057	5,153	96	1.9%
61.7%	4,931	5,152	221	4.5%
63.0%	4,927	5,136	210	4.3%
64.2%	4,882	5,104	222	4.5%
65.4%	4,852	5,067	215	4.4%
66.7%	4,653	5,061	408	8.8%
67.9%	4,601	5,042	441	9.6%
69.1%	4,583	5,000	417	9.1%
70.4%	4,558	5,000	442	9.7%
71.6%	4,530	5,000	470	10.4%
72.8%	4,530	5,000	470	10.4%
74.1%	4,457	5,000	543	12.2%
75.3%	4,439	5,000	561	12.6%
76.5%	4,362	4,933	571	13.1%
77.8%	4,328	4,916	588	13.6%
79.0%	4,245	4,871	626	14.7%
80.2%	4,243	4,868	625	14.7%
81.5%	4,191	4,754	563	13.4%
82.7%	4,103	4,648	545	13.3%
84.0%	4,089	4,585	496	12.1%
85.2%	4,080	4,407	328	8.0%
86.4%	4,044	4,401	356	8.8%
87.7%	3,922	4,399	477	12.2%
88.9%	3,720	4,302	583	15.7%
90.1%	3,703	4,266	563	15.2%
91.4%	3,678	4,161	483	13.1%
92.6%	3,622	4,034	412	11.4%
93.8%	3,525	4,007	482	13.7%
95.1%	3,519	4,007	487	13.8%
96.3%	3,514	4,000	486	13.8%
97.5%	3,496	3,623	127	3.6%
98.8%	3,495	3,459	-36	-1.0%
100.0%	3,254	3,437	183	5.6%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,607	20,790	183	0.9%
1.2%	20,332	19,721	-610	-3.0%
2.5%	19,357	19,110	-248	-1.3%
3.7%	19,118	16,010	-3,107	-16.3%
4.9%	13,841	14,033	191	1.4%
6.2%	13,673	13,625	-48	-0.4%
7.4%	13,343	13,397	54	0.4%
8.6%	13,176	13,358	183	1.4%
9.9%	12,759	12,316	-443	-3.5%
11.1%	12,114	12,058	-70	-0.6%
12.3%	11,586	11,830	244	2.1%
13.6%	11,507	11,692	186	1.6%
14.8%	11,444	11,641	197	1.7%
16.0%	11,438	11,478	40	0.4%
17.3%	11,396	11,289	-107	-0.9%
18.5%	11,357	11,256	-100	-0.9%
19.8%	11,347	11,248	-99	-0.9%
21.0%	11,342	11,005	-337	-3.0%
22.2%	11,119	10,451	-668	-6.0%
23.5%	10,563	10,269	-295	-2.8%
24.7%	10,548	10,139	-409	-3.9%
25.9%	10,517	10,062	-455	-4.3%
27.2%	10,371	9,911	-460	-4.4%
28.4%	10,312	9,869	-443	-4.3%
29.6%	10,303	9,832	-471	-4.5%
30.9%	10,281	9,807	-474	-4.6%
32.1%	10,224	9,640	-585	-5.7%
33.3%	10,090	9,591	-499	-4.9%
34.6%	10,006	9,534	-472	-4.7%
35.8%	9,234	9,141	-93	-1.0%
37.0%	9,159	9,033	-126	-1.4%
38.3%	9,049	8,933	-116	-1.3%
39.5%	8,997	8,889	-108	-1.2%
40.7%	8,948	8,658	-290	-3.2%
42.0%	8,654	8,644	-10	-0.1%
43.2%	8,471	8,471	0	0.0%
44.4%	8,253	8,537	284	3.4%
45.7%	8,242	8,521	279	3.4%
46.9%	8,102	8,301	198	2.4%
48.1%	7,898	8,119	221	2.8%
49.4%	7,886	7,932	46	0.6%
50.6%	7,664	7,811	148	1.9%
51.9%	7,330	7,787	457	6.2%
53.1%	7,309	7,705	395	5.4%
54.3%	7,284	7,558	274	3.8%
55.6%	7,179	7,465	286	4.0%
56.8%	7,115	7,435	320	4.5%
58.0%	6,959	7,254	297	4.3%
59.3%	6,936	7,134	198	2.9%
60.5%	6,893	7,068	175	2.5%
61.7%	6,783	6,956	173	2.6%
63.0%	6,702	6,946	245	3.7%
64.2%	6,557	6,854	297	4.5%
65.4%	6,361	6,603	241	3.8%
66.7%	6,343	6,503	160	2.5%
67.9%	6,330	6,479	149	2.4%
69.1%	6,241	6,349	108	1.7%
70.4%	6,229	6,258	29	0.5%
71.6%	6,104	6,067	-37	-0.6%
72.8%	6,100	6,014	-86	-1.4%
74.1%	5,517	5,999	482	8.7%
75.3%	5,516	5,923	407	7.4%
76.5%	5,489	5,783	294	5.4%
77.8%	5,283	5,668	385	7.3%
79.0%	5,114	5,663	549	10.7%
80.2%	4,699	5,656	958	20.4%
81.5%	4,685	5,635	950	20.3%
82.7%	4,551	5,485	935	20.5%
84.0%	4,507	5,348	840	18.6%
85.2%	4,492	5,157	665	14.8%
86.4%	4,437	5,080	643	14.5%
87.7%	4,245	5,000	755	17.8%
88.9%	4,190	4,993	803	19.2%
90.1%	4,120	4,951	831	20.2%
91.4%	4,071	4,938	868	21.3%
92.6%	4,042	4,796	754	18.7%
93.8%	4,010	4,678	668	16.7%
95.1%	3,922	4,489	567	14.4%
96.3%	3,842	4,264	421	11.0%
97.5%	3,736	4,169	433	11.6%
98.8%	3,570	3,927	357	10.0%
100.0%	3,435	3,762	327	9.5%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,981	23,069	89	0.4%
1.2%	22,243	22,290	47	0.2%
2.5%	22,118	22,043	-74	-0.3%
3.7%	21,813	21,589	-225	-1.0%
4.9%	21,677	21,542	-135	-0.6%
6.2%	21,594	21,392	-202	-0.9%
7.4%	21,567	21,392	-176	-0.8%
8.6%	21,427	21,296	-131	-0.7%
9.9%	21,099	21,121	22	0.1%
11.1%	20,875	20,053	-822	-3.9%
12.3%	20,828	19,957	-871	-4.2%
13.6%	20,791	19,885	-906	-4.4%
14.8%	20,440	19,664	-776	-3.8%
16.0%	20,229	19,348	-881	-4.4%
17.3%	20,147	19,227	-919	-4.6%
18.5%	20,022	18,978	-1,044	-5.2%
19.8%	19,744	18,939	-805	-4.1%
21.0%	19,653	18,672	-981	-4.0%
22.2%	19,381	18,399	-982	-5.1%
23.5%	18,489	18,173	-316	-1.7%
24.7%	18,167	16,672	-1,495	-7.1%
25.9%	17,263	14,396	-2,868	-16.6%
27.2%	16,833	14,269	-2,564	-15.2%
28.4%	16,196	13,976	-2,220	-13.7%
29.6%	14,882	14,882	0	0.0%
30.9%	14,287	13,305	-982	-6.9%
32.1%	14,168	13,163	-1,005	-7.1%
33.3%	14,092	12,178	-1,914	-13.6%
34.6%	13,961	12,172	-1,789	-12.8%
35.8%	13,746	11,548	-2,199	-16.0%
37.0%	13,322	10,230	-3,092	-23.2%
38.3%	13,287	10,753	-2,534	-19.1%
39.5%	13,162	9,773	-3,389	-25.8%
40.7%	13,121	9,707	-3,414	-26.0%
42.0%	12,713	9,311	-3,402	-26.8%
43.2%	12,170	8,182	-3,988	-32.8%
44.4%	11,606	9,148	-2,457	-21.2%
45.7%	11,375	9,144	-2,232	-19.6%
46.9%	10,880	9,054	-1,826	-16.8%
48.1%	10,870	8,988	-1,882	-17.3%
49.4%	10,196	8,800	-1,396	-13.7%
50.6%	10,015	8,625	-1,390	-13.9%
51.9%	9,234	8,540	-694	-7.5%
53.1%	9,086	8,422	-664	-7.3%
54.3%	9,055	8,363	-692	-7.6%
55.6%	8,641	8,273	-368	-4.3%
56.8%	8,619	7,974	-646	-7.5%
58.0%	8,493	7,931	-563	-6.6%
59.3%	8,417	7,769	-647	-7.7%
60.5%	8,235	7,735	-500	-6.1%
61.7%	8,023	7,600	-424	-5.3%
63.0%	7,938	7,341	-597	-7.5%
64.2%	7,398	7,226	-172	-2.3%
65.4%	6,730	6,948	218	3.2%
66.7%	6,329	6,607	279	4.4%
67.9%	6,324	6,464	140	2.2%
69.1%	6,297	6,219	-78	-1.2%
70.4%	6,218	6,168	-50	-0.8%
71.6%	6,104	6,156	52	0.8%
72.8%	6,100	6,071	-30	-0.5%
74.1%	5,993	5,899	-93	-1.6%
75.3%	5,853	5,888	35	0.6%
76.5%	5,730	5,848	118	2.1%
77.8%	5,638	5,594	-44	-0.8%
79.0%	5,489	5,549	60	1.1%
80.2%	5,471	5,547	77	1.4%
81.5%	5,265	5,527	262	5.0%
82.7%	4,977	5,483	506	10.2%
84.0%	4,964	5,433	469	9.5%
85.2%	4,839	5,368	528	10.9%



Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	24,927	24,879	-48	-0.2%	
1.2%	24,524	24,510	-14	-0.1%	
2.5%	23,973	23,900	-73	-0.3%	
3.7%	23,859	23,900	40	0.2%	
4.9%	23,743	23,590	-153	-0.6%	
6.2%	23,468	23,460	-8	0.0%	
7.4%	23,455	23,444	-11	0.0%	
8.6%	22,889	22,859	-30	-0.1%	
9.9%	22,761	22,718	-43	-0.2%	
11.1%	22,722	22,689	-33	-0.1%	
12.3%	22,683	22,682	-1	0.0%	
13.6%	22,655	22,621	-35	-0.2%	
14.8%	22,438	22,282	-156	-0.7%	
16.0%	22,141	21,898	-243	-1.1%	
17.3%	21,916	21,826	-90	-0.4%	
18.5%	21,783	21,668	-114	-0.5%	
19.8%	21,757	21,639	-117	-0.5%	
21.0%	21,684	21,549	-135	-0.6%	
22.2%	21,624	21,504	-120	-0.6%	
23.5%	21,525	21,305	-219	-1.0%	
24.7%	21,479	21,290	-189	-0.9%	
25.9%	21,229	21,054	-175	-0.8%	
27.2%	21,157	21,010	-147	-0.7%	
28.4%	21,150	21,000	-149	-0.7%	
29.6%	21,000	20,979	-21	-0.1%	
30.9%	20,967	20,813	-154	-0.7%	
32.1%	20,931	20,703	-228	-1.1%	
33.3%	20,871	20,650	-221	-1.1%	
34.6%	20,704	20,597	-107	-0.5%	
35.8%	20,701	20,425	-277	-1.3%	
37.0%	20,217	19,375	-842	-4.2%	
38.3%	20,032	19,210	-823	-4.1%	
39.5%	19,963	18,909	-1,054	-5.3%	
40.7%	19,794	18,740	-1,054	-5.3%	
42.0%	19,659	18,719	-940	-4.8%	
43.2%	19,474	18,444	-1,030	-5.3%	
44.4%	19,013	18,545	-468	-2.5%	
45.7%	18,953	18,119	-834	-4.4%	
46.9%	18,925	17,941	-985	-5.2%	
48.1%	18,543	17,443	-1,100	-5.9%	
49.4%	18,353	16,993	-1,360	-7.4%	
50.6%	17,895	16,867	-1,028	-5.7%	
51.9%	16,987	16,835	-153	-0.9%	
53.1%	16,986	14,799	-2,186	-12.9%	
54.3%	16,305	13,030	-3,275	-20.1%	
55.6%	16,060	12,939	-3,121	-19.4%	
56.8%	15,538	12,878	-2,660	-18.4%	
58.0%	14,956	12,373	-2,583	-17.3%	
59.3%	14,104	11,686	-2,418	-17.1%	
60.5%	13,863	11,507	-2,356	-17.0%	
61.7%	13,560	11,162	-2,397	-17.7%	
63.0%	13,490	10,883	-2,607	-19.3%	
64.2%	13,348	10,212	-3,136	-23.5%	
65.4%	12,674	10,126	-2,547	-20.1%	
66.7%	12,255	9,513	-2,743	-22.4%	
67.9%	12,213	9,343	-2,870	-23.5%	
69.1%	11,751	9,140	-2,611	-22.2%	
70.4%	11,719	9,126	-2,592	-22.1%	
71.6%	11,206	9,020	-2,186	-19.5%	
72.8%	10,735	8,875	-1,860	-17.3%	
74.1%	10,603	8,593	-2,009	-19.0%	
75.3%	10,142	8,350	-1,792	-17.7%	
76.5%	9,866	8,103	-1,763	-17.9%	
77.8%	9,255	8,066	-1,189	-12.8%	
79.0%	8,646	7,655	-991	-11.5%	
80.2%	8,566	7,396	-1,170	-13.7%	
81.5%	8,256	7,070	-1,185	-14.4%	
82.7%	8,145	6,738	-1,407	-17.3%	
84.0%	7,773	6,220	-1,553	-20.0%	
85.2%	7,277	6,076	-1,201	-16.5%	
86.4%	7,275	6,062	-1,213	-16.7%	
87.7%	7,172	6,034	-1,138	-15.9%	
88.9%	6,847	6,018	-829	-12.1%	
90.1%	6,811	5,816	-995	-14.6%	
91.4%	6,769	5,777	-993	-14.7%	
92.6%	6,717	5,625	-1,092	-16.3%	
93.8%	6,246	5,582	-664	-10.6%	
95.1%	5,929	5,487	-442	-7.5%	
96.3%	5,183	5,411	228	4.4%	
97.5%	4,901	5,340	439	8.9%	
98.8%	4,730	5,170	440	9.3%	
100.0%	4,289	4,827	539	12.6%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	24,461	24,473	12	0.0%	
1.2%	23,995	23,943	-53	-0.2%	
2.5%	23,539	23,294	-245	-1.0%	
3.7%	22,501	22,511	9	0.0%	
4.9%	22,084	21,947	-137	-0.6%	
6.2%	22,036	21,723	-313	-1.4%	
7.4%	21,771	21,534	-237	-1.1%	
8.6%	21,745	21,444	-301	-1.4%	
9.9%	21,623	21,443	-180	-0.8%	
11.1%	21,444	21,401	-43	-0.2%	
12.3%	21,347	21,156	-191	-0.9%	
13.6%	21,162	21,140	-22	-0.1%	
14.8%	21,124	21,046	-78	-0.4%	
16.0%	21,109	20,880	-229	-1.1%	
17.3%	20,879	20,735	-143	-0.7%	
18.5%	20,782	20,462	-320	-1.5%	
19.8%	20,737	20,449	-287	-1.4%	
21.0%	20,452	20,349	-103	-0.5%	
22.2%	20,212	20,206	-6	0.0%	
23.5%	20,038	19,658	-380	-1.9%	
24.7%	19,769	18,962	-807	-4.1%	
25.9%	19,762	18,919	-843	-4.3%	
27.2%	19,732	18,602	-1,130	-5.7%	
28.4%	19,451	18,320	-1,131	-5.8%	
29.6%	19,195	18,155	-1,040	-5.4%	
30.9%	18,337	17,896	-441	-2.4%	
32.1%	18,270	16,173	-2,097	-11.5%	
33.3%	18,240	15,657	-2,582	-14.2%	
34.6%	18,165	15,376	-2,790	-15.4%	
35.8%	18,160	15,012	-3,148	-17.3%	
37.0%	18,140	15,000	-3,140	-17.3%	
38.3%	17,967	14,883	-3,084	-17.2%	
39.5%	17,808	14,763	-3,045	-17.1%	
40.7%	17,190	14,552	-2,638	-15.3%	
42.0%	16,314	14,448	-1,866	-11.4%	
43.2%	16,001	14,903	-1,098	-6.8%	
44.4%	15,827	13,987	-1,841	-11.6%	
45.7%	15,536	13,560	-1,976	-12.7%	
46.9%	15,147	13,423	-1,724	-11.4%	
48.1%	15,001	13,018	-1,983	-13.2%	
49.4%	14,957	12,715	-2,242	-15.0%	
50.6%	14,933	11,977	-2,956	-19.8%	
51.9%	14,895	11,468	-3,427	-23.0%	
53.1%	14,550	10,986	-3,564	-24.5%	
54.3%	13,701	10,840	-2,861	-20.9%	
55.6%	13,141	10,388	-2,753	-21.0%	
56.8%	12,751	10,263	-2,488	-19.5%	
58.0%	12,084	10,095	-1,989	-16.5%	
59.3%	12,065	10,015	-2,051	-17.0%	
60.5%	11,637	9,944	-1,693	-14.6%	
61.7%	11,223	9,516	-1,706	-15.2%	
63.0%	10,992	9,431	-1,561	-14.2%	
64.2%	10,784	9,238	-1,546	-14.3%	
65.4%	10,581	9,060	-1,521	-14.4%	
66.7%	10,384	9,011	-1,372	-13.2%	
67.9%	9,981	8,913	-1,068	-10.7%	
69.1%	9,883	8,662	-1,221	-12.4%	
70.4%	9,856	8,655	-1,201	-12.2%	
71.6%	9,541	8,611	-930	-9.8%	
72.8%	9,312	8,067	-1,245	-13.4%	
74.1%	9,255	8,050	-1,205	-13.0%	
75.3%	9,103	8,010	-1,093	-12.0%	
76.5%	9,099	7,958	-1,141	-12.5%	
77.8%	8,744	7,953	-791	-9.0%	
79.0%	8,538	7,869	-669	-7.8%	
80.2%	8,478	7,576	-901	-10.6%	
81.5%	8,451	7,480	-971	-11.5%	
82.7%	8,409	7,361	-1,048	-12.5%	
84.0%	8,174	7,191	-983	-12.0%	
85.2%	8,156	7,020	-1,135	-13.9%	
86.4%	8,130	6,866	-1,264	-15.6%	
87.7%	7,957	6,726	-1,231	-15.5%	
88.9%	7,331	6,598	-732	-10.0%	
90.1%	6,659	6,333	-325	-4.9%	
91.4%	6,629	6,229	-400	-6.0%	
92.6%	6,458	6,088	-370	-5.7%	
93.8%	5,976	6,053	77	1.3%	
95.1%	5,677	6,012	335	5.9%	
96.3%	5,552	5,739	186	3.4%	
97.5%	5,507	5,674	167	3.0%	
98.8%	5,100	5,610	510	9.8%	
100.0%	5,367	5,000	-367	-6.8%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	21,498	21,318	-180	-0.8%	
1.2%	20,979	20,977	-2	0.0%	
2.5%	20,806	20,821	14	0.1%	
3.7%	20,725	20,655	-70	-0.3%	
4.9%	19,454	19,444	-10	-0.1%	
6.2%	19,255	19,168	-87	-0.5%	
7.4%	18,771	18,777	6	0.0%	
8.6%	18,560	18,385	-175	-0.9%	
9.9%	17,715	16,976	-740	-4.2%	
11.1%	16,696	15,000	-1,696	-10.2%	
12.3%	15,953	14,884	-1,068	-6.7%	
13.6%	15,508	13,129	-2,379	-15.3%	
14.8%	15,005	12,658	-2,348	-15.6%	
16.0%	15,000	11,918	-3,082	-20.5%	
17.3%	14,860	11,515	-3,345	-22.5%	
18.5%	13,756	11,401	-2,355	-17.1%	
19.8%	13,165	11,183	-2,982	-15.1%	
21.0%	11,534	10,301	-1,233	-10.7%	
22.2%	11,352	10,210	-1,142	-10.1%	
23.5%	11,250	10,018	-1,232	-11.0%	
24.7%	10,287	9,087	-1,201	-11.7%	
25.9%	9,426	8,739	-687	-7.3%	
27.2%	9,264	8,716	-548	-5.9%	
28.4%	8,581	8,257	-324	-3.8%	
29.6%	8,028	7,929	-99	-1.2%	
30.9%	8,028	7,931	-96	-1.2%	
32.1%	7,500	7,701	202	2.7%	
33.3%	7,277	7,555	278	3.8%	
34.6%	6,955	7,500	545	7.8%	
35.8%	6,946	7,464	517	7.4%	
37.0%	6,904	7,339	435	6.3%	
38.3%	6,643	7,043	400	6.0%	
39.5%	6,437	6,905	468	7.3%	
40.7%	6,269	6,481	212	3.4%	
42.0%	5,720	6,312	592	10.4%	
43.2%	5,665	5,855	190	3.4%	
44.4%	5,526	5,658	132	2.4%	
45.7%	5,572	5,615	42	0.8%	
46.9%	5,566	5,454	-112	-2.0%	
48.1%	5,559	5,383	-176	-3.2%	
49.4%	5,433	5,352	-81	-1.5%	
50.6%	5,383	5,203	-180	-3.3%	
51.9%	5,343	5,007	-336	-6.3%	
53.1%	5,314	5,000	-314	-5.9%	
54.3%	5,271	5,000	-271	-5.1%	
55.6%	5,150	5,000	-150	-2.9%	
56.8%	5,030	5,000	-30	-0.6%	
58.0					

Table SW-15-b  
Sacramento River at Wilken Slough, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	15,000	15,000	0	0.0%	
1.2%	10,960	10,968	1,328	13.8%	
2.5%	9,425	10,600	1,376	14.6%	
3.7%	9,225	10,697	1,471	15.9%	
4.9%	9,123	10,693	1,570	17.2%	
6.2%	8,857	10,251	1,394	15.7%	
7.4%	8,737	9,634	897	10.3%	
8.6%	8,630	9,617	987	11.4%	
9.9%	8,444	9,572	1,128	13.4%	
11.1%	8,310	9,551	1,241	14.9%	
12.3%	8,264	9,353	1,090	13.2%	
13.6%	8,184	8,976	791	9.7%	
14.8%	8,035	8,933	899	11.2%	
16.0%	8,019	8,961	942	10.5%	
17.3%	7,915	8,760	845	10.7%	
18.5%	7,908	8,732	824	10.4%	
19.8%	7,759	8,590	831	10.7%	
21.0%	7,678	8,541	863	11.2%	
22.2%	7,636	8,520	894	11.6%	
23.5%	7,566	8,517	898	11.9%	
24.7%	7,553	8,153	600	7.9%	
25.9%	7,518	8,111	593	7.9%	
27.2%	7,456	8,026	640	8.6%	
28.4%	7,383	8,032	649	8.8%	
29.6%	7,223	7,910	737	10.2%	
30.9%	7,201	7,967	766	10.6%	
32.1%	7,168	7,931	763	10.6%	
33.3%	7,066	7,901	835	11.8%	
34.6%	7,024	7,879	855	12.2%	
35.8%	6,949	7,759	789	11.4%	
37.0%	6,882	7,696	814	11.8%	
38.3%	6,843	7,665	822	12.0%	
39.5%	6,777	7,630	854	12.6%	
40.7%	6,684	7,510	826	12.4%	
42.0%	6,657	7,366	709	10.6%	
43.2%	6,588	7,223	635	9.7%	
44.4%	6,518	7,268	750	11.5%	
45.7%	6,472	7,231	758	11.7%	
46.9%	6,424	7,167	743	11.6%	
48.1%	6,292	7,102	810	12.9%	
49.4%	6,220	7,080	861	13.8%	
50.6%	6,085	7,063	978	16.1%	
51.9%	5,930	7,009	1,079	18.2%	
53.1%	5,923	7,002	1,079	18.2%	
54.3%	5,909	6,719	810	13.7%	
55.6%	5,880	6,706	846	14.4%	
56.8%	5,857	6,642	785	13.4%	
58.0%	5,809	6,594	784	13.5%	
59.3%	5,720	6,575	855	14.9%	
60.5%	5,710	6,565	854	15.0%	
61.7%	5,581	6,501	920	16.5%	
63.0%	5,534	6,401	867	15.7%	
64.2%	5,506	6,393	877	15.9%	
65.4%	5,490	6,259	769	14.0%	
66.7%	5,487	6,188	701	12.8%	
67.9%	5,457	6,185	728	13.3%	
69.1%	5,409	6,122	713	13.2%	
70.4%	5,391	6,063	672	12.5%	
71.6%	5,342	6,087	745	14.0%	
72.8%	5,340	5,850	510	9.5%	
74.1%	5,337	5,848	511	9.6%	
75.3%	5,307	5,655	348	6.6%	
76.5%	5,296	5,641	345	6.5%	
77.8%	5,273	5,479	206	3.9%	
79.0%	5,129	5,247	119	2.3%	
80.2%	5,122	5,244	121	2.4%	
81.5%	5,077	5,158	81	1.6%	
82.7%	5,027	5,145	118	2.4%	
84.0%	4,925	5,007	83	1.7%	
85.2%	4,824	5,000	376	8.1%	
86.4%	4,554	5,000	446	9.8%	
87.7%	4,516	5,000	484	10.7%	
88.9%	4,502	5,000	498	11.1%	
90.1%	4,247	5,000	753	17.7%	
91.4%	4,204	5,000	796	19.0%	
92.6%	4,145	5,000	855	20.6%	
93.8%	4,091	4,992	901	22.0%	
95.1%	3,966	4,563	597	15.1%	
96.3%	3,862	4,334	473	12.2%	
97.5%	3,691	4,246	555	15.0%	
98.8%	3,636	4,104	528	14.5%	
100.0%	3,567	4,088	521	14.6%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	9,770	15,000	5,230	53.5%	
1.2%	9,746	15,000	5,254	53.9%	
2.5%	9,655	15,000	5,345	55.4%	
3.7%	9,126	15,000	5,874	64.4%	
4.9%	9,087	15,000	5,913	65.1%	
6.2%	9,021	15,000	5,979	66.3%	
7.4%	9,007	15,000	5,995	66.6%	
8.6%	8,891	15,000	6,109	68.7%	
9.9%	8,847	11,587	2,740	30.9%	
11.1%	8,763	11,439	2,656	30.2%	
12.3%	8,633	11,428	2,795	32.4%	
13.6%	8,632	11,331	2,699	31.3%	
14.8%	8,626	11,121	2,495	28.9%	
16.0%	8,605	11,091	2,486	28.9%	
17.3%	8,571	11,010	2,439	28.5%	
18.5%	8,564	10,770	2,206	25.8%	
19.8%	8,559	10,666	2,107	24.6%	
21.0%	8,541	10,682	2,040	23.9%	
22.2%	8,519	10,305	1,786	21.0%	
23.5%	8,518	10,238	1,721	20.2%	
24.7%	8,518	10,230	1,713	20.1%	
25.9%	8,513	10,223	1,710	20.1%	
27.2%	8,489	10,218	1,729	20.4%	
28.4%	8,468	10,207	1,739	20.5%	
29.6%	8,442	9,746	1,304	15.4%	
30.9%	8,425	10,032	1,607	19.1%	
32.1%	8,409	9,952	1,543	18.4%	
33.3%	8,403	9,932	1,529	18.2%	
34.6%	8,373	9,927	1,554	18.6%	
35.8%	8,362	9,885	1,523	18.2%	
37.0%	8,335	9,792	1,457	17.5%	
38.3%	8,331	9,727	1,396	16.8%	
39.5%	8,302	9,666	1,364	16.4%	
40.7%	8,296	9,649	1,353	16.3%	
42.0%	8,294	9,542	1,248	15.0%	
43.2%	8,133	9,263	1,130	13.8%	
44.4%	8,247	9,161	914	11.1%	
45.7%	8,243	9,121	879	10.7%	
46.9%	8,232	9,073	841	10.2%	
48.1%	8,162	9,060	898	11.0%	
49.4%	8,162	9,053	891	10.9%	
50.6%	8,063	9,159	1,096	13.6%	
51.9%	8,154	9,016	862	10.6%	
53.1%	8,151	8,967	816	10.0%	
54.3%	8,135	8,835	701	8.6%	
55.6%	8,126	8,820	694	8.5%	
56.8%	8,083	8,781	698	8.6%	
58.0%	8,081	8,711	630	7.8%	
59.3%	7,987	8,664	677	8.5%	
60.5%	7,919	8,626	707	8.9%	
61.7%	7,769	8,516	747	9.6%	
63.0%	7,715	8,415	700	9.1%	
64.2%	7,705	8,321	616	8.0%	
65.4%	7,545	8,314	769	10.2%	
66.7%	7,449	8,169	720	9.7%	
67.9%	7,434	8,161	727	9.8%	
69.1%	7,319	7,904	584	8.0%	
70.4%	7,160	7,789	629	8.8%	
71.6%	7,107	7,717	610	8.6%	
72.8%	6,883	7,462	579	8.4%	
74.1%	6,850	7,389	539	7.9%	
75.3%	6,846	7,346	500	7.3%	
76.5%	6,702	7,180	478	7.1%	
77.8%	6,678	7,082	404	6.1%	
79.0%	6,580	7,080	500	7.6%	
80.2%	6,577	7,053	477	7.2%	
81.5%	6,490	7,030	540	8.3%	
82.7%	6,286	6,943	658	10.5%	
84.0%	5,951	6,794	844	14.2%	
85.2%	5,870	6,762	891	15.2%	
86.4%	5,825	6,632	807	13.9%	
87.7%	5,723	6,516	793	13.9%	
88.9%	5,661	6,504	842	14.9%	
90.1%	5,482	6,498	1,016	18.5%	
91.4%	5,210	6,488	1,278	19.6%	
92.6%	5,162	6,433	1,271	19.6%	
93.8%	4,897	5,555	658	13.4%	
95.1%	4,815	5,450	636	13.2%	
96.3%	4,068	5,344	1,276	31.4%	
97.5%	3,308	5,181	1,874	56.8%	
98.8%	3,283	5,000	1,717	52.0%	
100.0%	3,265	5,000	1,735	53.1%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	8,875	9,821	946	10.7%	
1.2%	8,858	8,402	-456	-5.2%	
2.5%	8,432	8,227	-205	-2.4%	
3.7%	8,022	8,128	107	1.3%	
4.9%	7,723	8,074	351	4.5%	
6.2%	7,357	7,726	369	5.0%	
7.4%	7,324	7,407	82	1.1%	
8.6%	7,203	7,346	143	2.0%	
9.9%	6,998	7,313	316	4.5%	
11.1%	6,853	7,229	376	5.5%	
12.3%	6,816	7,138	322	4.7%	
13.6%	6,696	7,044	348	5.2%	
14.8%	6,600	7,006	406	6.2%	
16.0%	6,590	6,896	307	4.7%	
17.3%	6,543	7,003	460	7.0%	
18.5%	6,530	6,691	161	2.5%	
19.8%	6,490	6,665	176	2.7%	
21.0%	6,394	6,659	266	4.2%	
22.2%	6,641	365	-5.8%		
23.5%	6,629	441	-7.1%		
24.7%	6,094	6,498	404	6.6%	
25.9%	6,067	6,460	394	6.5%	
27.2%	6,029	6,458	429	7.1%	
28.4%	6,017	6,417	400	6.7%	
29.6%	5,918	6,372	454	7.7%	
30.9%	5,912	6,349	437	7.4%	
32.1%	5,762	6,330	568	9.9%	
33.3%	5,747	6,271	524	9.1%	
34.6%	5,630	6,212	582	10.3%	
35.8%	5,579	6,174	595	10.7%	
37.0%	5,550	6,145	598	10.7%	
38.3%	5,530	6,132	603	10.9%	
39.5%	5,341	6,088	747	14.0%	
40.7%	5,250	5,969	718	13.7%	
42.0%	5,143	5,941	798	15.5%	
43.2%	5,079	5,879	800	15.8%	
44.4%	5,044	5,831	786	15.6%	
45.7%	5,025	5,769	744	14.8%	
46.9%	5,021	5,680	659	13.1%	
48.1%	4,937	5,676	740	15.0%	
49.4%	4,811	5,658	848	17.6%	
50.6%	4,778	5,587	809	16.9%	
51.9%	4,665	5,561	895	19.2%	
53.1%	4,622	5,492	870	18.6%	
54.3%	4,565	5,485	920	20.2%	
55.6%	4,543	5,421	878	19.3%	
56.8%	4,529	5,381	852	18.8%	
58.0%	4,524	5,354	830	18.3%	
59.3%	4,381	5,347	966	22.1%	
60.5%	4,353	5,343	991	22.8%	
61.7%	4,308	5,300	992	23.0%	
63.0%	4,294				

**Figure SW-16-b**  
**Sacramento River at Verona, Monthly Flow**  
**Probability of Exceedance**

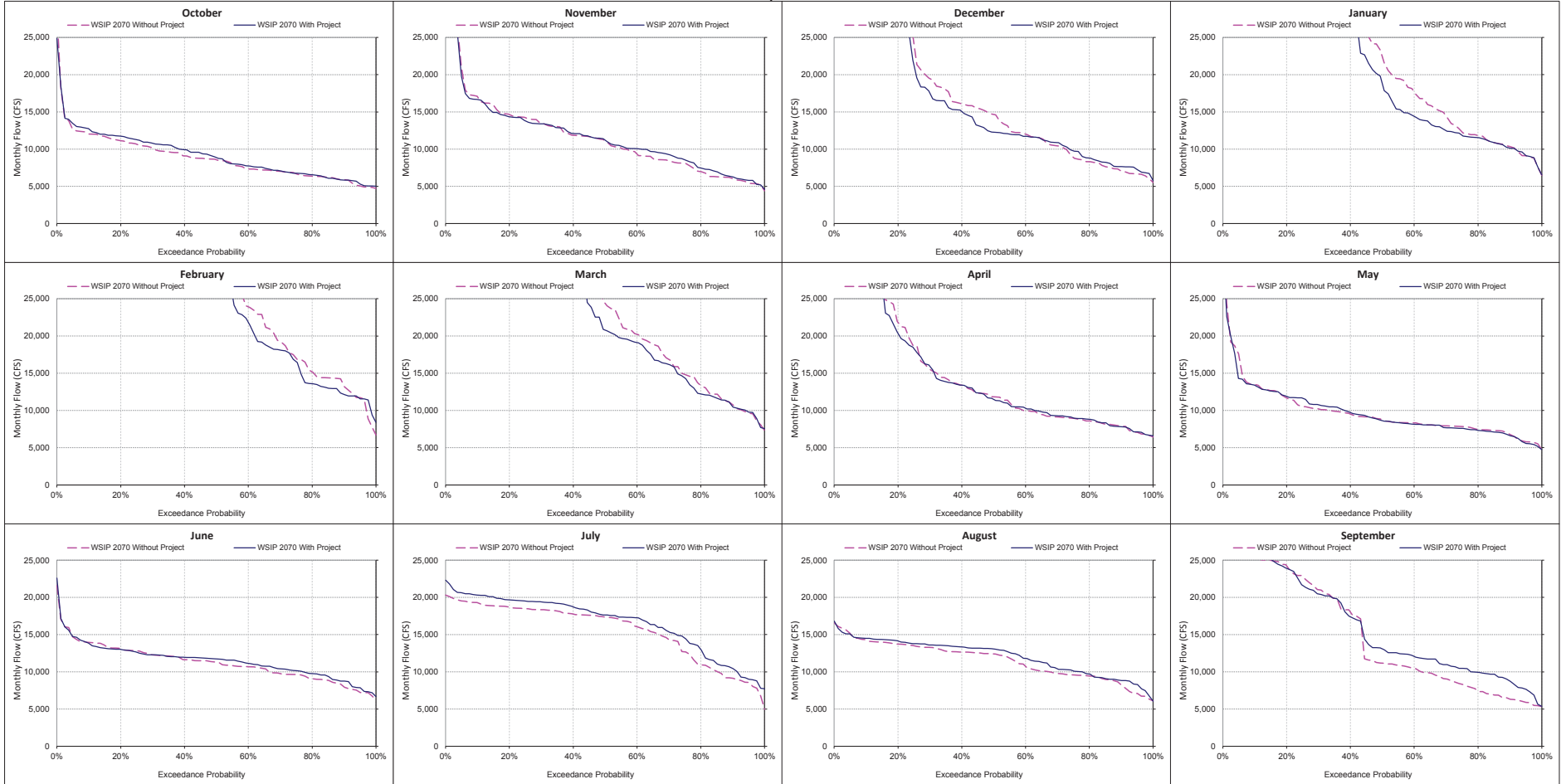


Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	October			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,525	24,872	-3,653	-12.8%
1.2%	18,181	18,406	224	1.2%
2.5%	14,161	14,141	-20	-0.1%
3.7%	13,830	14,001	171	1.2%
4.9%	12,661	13,464	802	6.3%
6.2%	12,449	13,055	606	4.9%
7.4%	12,386	12,964	578	4.7%
8.6%	12,331	12,852	521	4.2%
9.9%	12,033	12,755	721	6.0%
11.1%	12,017	12,326	310	2.6%
12.3%	11,996	12,210	214	1.8%
13.6%	11,771	12,005	234	2.0%
14.8%	11,733	11,998	264	2.3%
16.0%	11,520	11,871	351	3.0%
18.5%	11,255	11,794	540	4.8%
19.8%	11,142	11,769	627	5.6%
21.0%	11,083	11,672	589	5.3%
22.2%	10,828	11,519	691	6.4%
23.5%	10,811	11,383	572	5.3%
24.7%	10,718	11,309	590	5.5%
25.9%	10,498	11,184	687	6.5%
27.2%	10,423	10,950	528	5.1%
28.4%	10,380	10,927	547	5.3%
29.6%	10,212	10,840	628	6.1%
30.9%	9,895	10,701	807	8.2%
32.1%	9,754	10,636	882	9.0%
33.3%	9,715	10,586	871	9.0%
34.6%	9,672	10,580	908	9.4%
35.8%	9,571	10,523	952	10.0%
37.0%	9,529	10,215	686	7.2%
38.3%	9,527	10,018	490	5.1%
39.5%	9,096	9,931	835	9.2%
40.7%	9,077	9,888	811	8.9%
42.0%	8,882	9,574	692	7.8%
43.2%	8,805	9,568	763	8.7%
44.4%	8,774	9,558	785	9.1%
45.7%	8,766	9,355	588	6.7%
46.9%	8,676	9,325	649	7.5%
48.1%	8,665	9,154	489	5.6%
49.4%	8,648	9,059	411	4.8%
50.6%	8,482	9,045	563	6.6%
51.9%	8,452	8,681	229	2.7%
53.1%	8,379	8,233	-146	-1.7%
54.3%	8,205	8,041	-164	-2.0%
55.6%	7,796	8,007	211	2.7%
56.8%	7,749	7,965	216	2.8%
58.0%	7,647	7,807	160	2.1%
59.3%	7,354	7,769	415	5.6%
60.5%	7,322	7,722	400	5.5%
61.7%	7,318	7,623	305	4.2%
63.0%	7,248	7,577	329	4.5%
64.2%	7,199	7,565	366	5.1%
65.4%	7,188	7,395	207	2.9%
66.7%	7,157	7,303	146	2.0%
67.9%	7,082	7,152	70	1.0%
69.1%	7,036	7,139	102	1.5%
70.4%	7,008	7,049	42	0.6%
71.6%	6,905	6,955	50	0.7%
72.8%	6,887	6,880	-7	-0.1%
74.1%	6,858	6,773	-85	-1.2%
75.3%	6,632	6,758	126	1.9%
76.5%	6,491	6,715	225	3.5%
77.8%	6,428	6,682	254	4.0%
79.0%	6,386	6,582	196	3.1%
80.2%	6,358	6,547	190	3.0%
81.5%	6,339	6,470	131	2.1%
82.7%	6,326	6,392	66	1.0%
84.0%	6,295	6,327	-32	-0.6%
85.2%	6,174	6,096	-78	-1.3%
86.4%	6,159	6,081	-77	-1.3%
87.7%	6,003	5,968	-35	-0.6%
88.9%	5,902	5,862	-40	-0.7%
90.1%	5,898	5,821	-77	-1.3%
91.4%	5,816	5,816	0	0.0%
92.6%	5,417	5,768	351	6.5%
93.8%	5,148	5,682	534	10.4%
95.1%	5,042	5,294	251	5.0%
96.3%	4,914	5,071	156	3.2%
97.5%	4,892	5,065	173	3.5%
98.8%	4,855	5,044	189	3.9%
100.0%	4,720	5,000	280	5.9%

Percent Exceedance Probability	November			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,359	33,227	-2,132	-6.0%
1.2%	32,901	29,783	-3,117	-9.5%
2.5%	29,305	26,972	-2,334	-8.0%
3.7%	26,570	25,607	-963	-3.6%
4.9%	21,023	19,829	-1,194	-5.7%
6.2%	17,932	17,458	-474	-2.6%
7.4%	17,300	16,815	-485	-2.8%
8.6%	17,218	16,709	-509	-3.0%
9.9%	17,116	16,684	-432	-2.5%
11.1%	16,365	16,559	194	1.2%
12.3%	16,187	16,083	-103	-0.6%
13.6%	16,180	15,386	-793	-4.9%
14.8%	16,026	14,938	-1,087	-6.8%
16.0%	15,295	14,921	-374	-2.4%
18.5%	14,751	14,552	-199	-1.4%
19.8%	14,695	14,348	-347	-2.4%
21.0%	14,453	14,300	-153	-1.1%
22.2%	14,353	14,265	-87	-0.6%
23.5%	14,321	14,321	0	0.0%
24.7%	14,278	13,866	-413	-2.9%
25.9%	14,073	13,618	-454	-3.2%
27.2%	13,990	13,452	-538	-3.8%
28.4%	13,978	13,414	-564	-4.0%
29.6%	13,502	13,502	0	0.0%
30.9%	13,393	13,396	2	0.0%
32.1%	13,159	13,306	147	1.1%
33.3%	13,062	13,191	129	1.0%
34.6%	13,056	12,907	-149	-1.1%
35.8%	12,976	12,843	-132	-1.0%
37.0%	12,243	12,828	585	4.8%
38.3%	12,122	12,357	235	1.9%
39.5%	11,884	12,112	227	1.9%
40.7%	11,841	12,092	251	2.1%
42.0%	11,795	12,077	282	2.4%
43.2%	11,759	11,824	65	0.6%
44.4%	11,713	11,804	91	0.8%
45.7%	11,637	11,598	-39	-0.3%
46.9%	11,510	11,466	-43	-0.4%
48.1%	11,363	11,464	101	0.9%
49.4%	11,281	11,404	122	1.1%
50.6%	10,941	10,941	0	0.0%
51.9%	10,452	10,692	240	2.3%
53.1%	10,308	10,538	230	2.2%
54.3%	10,297	10,510	213	2.1%
55.6%	10,022	10,318	296	3.0%
56.8%	9,963	10,115	152	1.5%
58.0%	9,744	10,093	348	3.6%
59.3%	9,663	10,060	397	4.1%
60.5%	9,129	10,026	897	9.8%
61.7%	9,108	9,975	866	9.5%
63.0%	9,045	9,960	915	10.1%
64.2%	9,031	9,698	667	7.3%
65.4%	8,594	9,646	1,052	12.2%
66.7%	8,579	9,552	972	11.3%
67.9%	8,575	9,468	893	10.4%
69.1%	8,537	9,366	829	9.7%
70.4%	8,381	9,251	870	10.4%
71.6%	8,229	9,024	795	9.7%
72.8%	8,138	8,791	653	8.0%
74.1%	8,122	8,732	610	7.5%
75.3%	8,062	8,499	436	5.4%
76.5%	7,764	8,279	515	6.6%
77.8%	7,423	8,136	713	9.6%
79.0%	7,032	7,546	514	7.3%
80.2%	6,963	7,424	461	6.6%
81.5%	6,773	7,281	508	7.5%
82.7%	6,326	7,249	923	14.6%
84.0%	6,316	7,075	759	12.0%
85.2%	6,285	6,938	652	10.4%
86.4%	6,258	6,664	406	6.5%
87.7%	6,219	6,485	266	4.3%
88.9%	6,219	6,360	142	2.3%
90.1%	6,027	6,263	236	3.9%
91.4%	6,044	6,044	0	0.0%
92.6%	5,788	5,986	197	3.4%
93.8%	5,676	5,874	198	3.5%
95.1%	5,401	5,784	383	7.1%
96.3%	5,365	5,783	418	7.8%
97.5%	5,340	5,276	-64	-1.2%
98.8%	5,197	5,209	12	0.2%
100.0%	4,396	4,690	294	6.7%

Percent Exceedance Probability	December			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	65,443	65,910	466	0.7%
1.2%	59,056	58,453	-603	-1.0%
2.5%	57,309	56,830	-479	-0.8%
3.7%	55,588	55,225	-363	-0.7%
4.9%	53,900	52,240	-1,659	-3.1%
6.2%	48,532	47,238	-1,294	-2.7%
7.4%	47,607	45,447	-2,160	-4.5%
8.6%	45,509	43,052	-2,458	-5.4%
9.9%	44,118	42,700	-1,419	-3.2%
11.1%	42,735	42,609	-125	-0.3%
12.3%	39,123	38,589	-534	-1.4%
13.6%	34,146	32,642	-1,503	-4.4%
14.8%	33,103	31,997	-1,106	-3.3%
16.0%	33,053	31,262	-1,791	-5.4%
18.5%	31,148	28,304	-2,844	-9.1%
19.8%	30,756	26,627	-4,129	-13.4%
21.0%	30,608	25,750	-4,858	-15.9%
22.2%	27,105	25,660	-1,445	-5.3%
23.5%	26,684	25,669	-1,015	-3.8%
24.7%	25,141	21,965	-3,177	-12.6%
25.9%	21,348	19,577	-1,771	-8.3%
27.2%	20,660	18,352	-2,295	-11.1%
28.4%	20,061	18,167	-1,744	-8.7%
29.6%	19,598	17,927	-1,671	-8.5%
30.9%	19,269	16,749	-2,519	-13.1%
32.1%	18,451	16,518	-1,932	-10.5%
33.3%	18,331	16,514	-1,817	-9.9%
34.6%	18,114	16,505	-1,609	-8.9%
35.8%	17,720	15,563	-2,158	-12.2%
37.0%	16,386	15,324	-1,062	-6.5%
38.3%	16,280	15,273	-1,008	-6.2%
39.5%	16,147	15,237	-910	-5.6%
40.7%	16,007	14,782	-1,225	-7.7%
42.0%	15,853	14,545	-1,307	-8.2%
43.2%	15,640	14,325	-1,315	-8.4%
44.4%	15,541	13,236	-2,305	-14.8%
45.7%	15,413	13,070	-2,343	-15.2%
46.9%	15,214	12,910	-2,304	-15.1%
48.1%	14,947	12,464	-2,482	-16.6%
49.4%	14,712	12,305	-2,407	-16.4%
50.6%	14,608	12,249	-2,358	-16.1%
51.9%	13,778	12,205	-1,573	-11.4%
53.1%	13,394	12,125	-1,269	-9.5%
54.3%	13,137	12,059	-1,077	-8.2%
55.6%	12,338	11,970	-369	-3.0%
56.8%	12,231	11,931	-300	-2.5%
58.0%	12,231	11,929	-302	-2.5%
59.3%	12,107	11,734	-373	-3.1%
60.5%	11,942	11,717	-224	-1.9%
61.7%	11,671	11,627	-44	-0.4%
63.0%	11,588	11,601	13	0.1%
64.2%	11,536	11,542	6	0.1%
65.4%	11,348	11,202	-146	-1.3%
66.7%	10,771	11,110	339	3.1%
67.9%	10,561	10,945	384	3.6%
69.1%	10,478	10,911	433	4.1%
70.4%	10,415	10,851	436	4.2%
71.6%	10,222	10,505	283	2.8%
72.8%	9,941	10,290	349	3.5%
74.1%	9,248	9,914	666	7.2%
75.3%	8,755	9,735	980	11.2%
76.5%	8,639	9,693	1,055	12.2%
77.8%	8,561	9,006	445	5.2%
79.0%	8,320	8,816	496	6.0%
80.2%	8,312	8,781	469	5.6%
81.5%	8,202	8,594	392	4.8%
82.7%	8,200	8,452	252	3.1%
84.0%	7,809	8,254	445	5.7%
85.2%	7,626	8,239	613	8.0%
86.4				

Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,246	81,517	271	0.3%
1.2%	71,084	71,007	-777	-0.4%
2.5%	71,009	70,497	-512	-0.3%
3.7%	68,087	67,798	-289	-0.4%
4.9%	67,278	67,267	-12	0.0%
6.2%	67,050	67,026	-24	0.0%
7.4%	66,517	65,845	-672	-1.0%
8.6%	65,216	65,155	-61	-0.1%
9.9%	62,406	62,305	-101	-0.1%
11.1%	62,333	62,301	-31	-0.1%
12.3%	62,209	61,904	-305	-0.5%
13.6%	61,866	61,883	18	0.0%
14.8%	60,883	60,682	-201	-0.3%
16.0%	60,282	59,475	-807	-1.3%
17.3%	59,814	59,413	-401	-0.7%
18.5%	59,667	58,998	-669	-1.1%
19.8%	58,843	58,450	-393	-0.7%
21.0%	57,720	57,224	-496	-0.9%
22.2%	56,841	56,840	-1	0.0%
23.5%	54,843	53,780	-1,064	-1.9%
24.7%	54,445	53,090	-1,356	-2.5%
25.9%	53,798	52,725	-1,073	-2.0%
27.2%	53,586	52,620	-966	-1.8%
28.4%	50,842	50,404	-438	-0.9%
29.6%	49,731	49,373	-358	-0.7%
30.9%	49,330	47,633	-1,698	-3.4%
32.1%	48,221	46,594	-1,627	-3.4%
33.3%	45,577	44,804	-773	-1.7%
34.6%	44,858	42,931	-1,928	-4.3%
35.8%	43,490	42,878	-613	-1.4%
37.0%	43,217	42,269	-948	-2.2%
38.3%	41,620	41,890	269	0.6%
39.5%	41,611	41,617	6	0.0%
40.7%	41,610	41,092	-518	-1.2%
42.0%	41,219	40,702	-517	-1.3%
43.2%	38,047	38,034	-13	0.0%
44.4%	35,495	36,105	610	1.7%
45.7%	35,237	32,524	-2,713	-7.7%
46.9%	34,512	31,517	-2,995	-8.7%
48.1%	33,506	31,132	-2,374	-7.1%
49.4%	32,686	30,468	-2,217	-6.8%
50.6%	32,167	29,812	-2,355	-7.3%
51.9%	32,084	27,818	-4,266	-13.3%
53.1%	31,168	27,461	-3,707	-11.9%
54.3%	29,753	27,092	-2,661	-8.9%
55.6%	28,335	24,147	-4,188	-14.8%
56.8%	25,522	23,059	-2,463	-9.7%
58.0%	25,464	22,961	-2,503	-10.2%
59.3%	24,060	22,379	-1,681	-7.0%
60.5%	23,819	21,438	-2,381	-10.0%
61.7%	23,460	20,290	-3,169	-13.5%
63.0%	22,922	19,255	-3,667	-16.0%
64.2%	22,906	19,174	-3,732	-16.3%
65.4%	21,162	18,803	-2,359	-11.1%
66.7%	20,964	18,508	-2,456	-11.7%
67.9%	20,429	18,229	-2,200	-10.8%
69.1%	19,423	18,193	-1,230	-6.3%
70.4%	19,173	18,092	-1,081	-5.6%
71.6%	18,694	18,024	-670	-3.6%
72.8%	17,750	17,719	-31	-0.2%
74.1%	17,495	16,869	-626	-3.6%
75.3%	16,863	16,428	-435	-2.6%
76.5%	16,840	14,840	-2,000	-11.9%
77.8%	16,490	13,721	-2,770	-16.8%
79.0%	15,424	13,632	-1,793	-11.6%
80.2%	15,122	13,599	-1,523	-10.1%
81.5%	14,530	13,484	-1,046	-7.2%
82.7%	14,411	13,245	-1,166	-8.1%
84.0%	14,401	13,117	-1,284	-8.9%
85.2%	14,380	12,965	-1,415	-9.8%
86.4%	14,354	12,540	-1,814	-12.6%
87.7%	14,312	12,930	-1,382	-9.7%
88.9%	14,251	12,335	-1,916	-13.4%
90.1%	13,176	12,130	-1,046	-7.9%
91.4%	12,722	11,951	-771	-6.1%
92.6%	12,277	11,951	-326	-2.7%
93.8%	11,738	11,935	197	1.7%
95.1%	11,718	11,560	-158	-1.3%
96.3%	11,536	11,557	21	0.2%
97.5%	8,895	11,430	2,535	28.5%
98.8%	7,762	9,301	1,539	21.0%
100.0%	6,704	8,427	1,723	25.7%

Percent Exceedance Probability	March			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,597	74,618	21	0.0%
1.2%	71,652	70,973	-678	-0.9%
2.5%	66,830	66,013	-817	-1.2%
3.7%	63,320	62,355	-964	-1.5%
4.9%	61,548	61,475	-74	-0.1%
6.2%	61,473	60,704	-769	-1.3%
7.4%	59,822	59,007	-814	-1.4%
8.6%	57,333	57,118	-215	-0.4%
9.9%	57,049	57,041	-8	0.0%
11.1%	55,457	55,460	3	0.0%
12.3%	55,359	55,244	-115	-0.2%
13.6%	54,370	53,673	-697	-1.3%
14.8%	53,669	53,448	-221	-0.4%
16.0%	53,445	52,523	-921	-1.7%
17.3%	50,818	50,815	-3	0.0%
18.5%	49,762	49,763	1	0.0%
19.8%	48,967	49,120	153	0.3%
21.0%	48,341	47,730	-611	-1.3%
22.2%	48,340	46,763	-1,577	-3.3%
23.5%	46,919	45,221	-1,698	-3.6%
24.7%	45,828	44,984	-844	-1.8%
25.9%	43,400	43,385	-15	0.0%
27.2%	42,980	39,904	-3,076	-7.2%
28.4%	42,173	39,026	-3,147	-7.5%
29.6%	41,863	37,877	-3,986	-9.5%
30.9%	40,583	38,792	-1,791	-4.4%
32.1%	39,173	37,293	-1,880	-4.8%
33.3%	37,634	36,696	-937	-2.5%
34.6%	36,681	35,693	-988	-2.7%
35.8%	36,599	33,805	-2,793	-7.6%
37.0%	36,519	33,474	-3,046	-8.3%
38.3%	34,322	32,645	-1,677	-4.9%
39.5%	33,941	32,191	-1,750	-5.2%
40.7%	33,642	30,580	-3,063	-9.1%
42.0%	30,608	30,564	-46	-0.1%
43.2%	30,147	29,589	-558	-1.8%
44.4%	28,668	24,494	-4,174	-14.6%
45.7%	28,565	23,875	-4,690	-16.4%
46.9%	27,990	22,556	-5,434	-19.4%
48.1%	26,841	22,529	-4,312	-15.4%
49.4%	24,725	20,899	-3,826	-15.5%
50.6%	24,653	20,877	-3,776	-14.0%
51.9%	23,685	20,420	-3,265	-13.8%
53.1%	23,587	20,193	-3,394	-14.4%
54.3%	22,378	19,780	-2,598	-11.6%
55.6%	21,120	19,640	-1,480	-7.0%
56.8%	20,919	19,592	-1,328	-6.3%
58.0%	20,852	19,368	-1,484	-7.2%
59.3%	20,322	19,173	-1,149	-5.7%
60.5%	20,163	19,078	-1,084	-5.4%
61.7%	19,594	18,755	-839	-4.3%
63.0%	19,395	18,091	-1,304	-6.7%
64.2%	19,092	17,579	-1,513	-7.9%
65.4%	18,818	16,759	-2,059	-10.9%
66.7%	18,629	16,694	-1,936	-10.4%
67.9%	17,685	16,403	-1,282	-7.2%
69.1%	17,076	16,297	-779	-4.6%
70.4%	16,768	16,126	-642	-3.8%
71.6%	15,892	15,850	-41	-0.3%
72.8%	15,881	14,906	-975	-6.1%
74.1%	14,989	14,641	-348	-2.3%
75.3%	14,781	14,256	-525	-3.5%
76.5%	14,583	13,459	-1,124	-7.7%
77.8%	14,574	13,030	-1,544	-10.6%
79.0%	13,736	12,297	-1,439	-10.5%
80.2%	13,250	12,185	-1,065	-8.0%
81.5%	13,055	12,098	-957	-7.3%
82.7%	12,289	12,040	-248	-2.0%
84.0%	12,199	11,838	-361	-3.0%
85.2%	12,188	11,823	-365	-3.0%
86.4%	11,556	11,424	-132	-1.1%
87.7%	11,291	11,365	74	0.7%
88.9%	11,144	11,134	-11	-0.1%
90.1%	10,719	10,444	-274	-2.6%
91.4%	10,520	10,528	75	0.7%
92.6%	10,092	10,157	65	0.6%
93.8%	9,860	10,051	191	1.9%
95.1%	9,640	9,786	146	1.5%
96.3%	9,552	9,749	197	2.1%
97.5%	8,588	8,532	-56	-0.6%
98.8%	8,161	7,717	-444	-5.4%
100.0%	7,298	7,562	265	3.6%

Percent Exceedance Probability	April			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,750	59,743	-7	0.0%
1.2%	57,794	57,257	-537	-0.9%
2.5%	57,344	57,140	-204	-0.4%
3.7%	47,482	45,563	-1,919	-4.0%
4.9%	45,568	44,995	-573	-1.3%
6.2%	43,804	43,776	-28	0.0%
7.4%	41,877	41,812	-66	-0.2%
8.6%	41,177	40,746	-431	-1.0%
9.9%	38,836	38,678	-158	-0.4%
11.1%	37,510	37,531	21	0.1%
12.3%	37,216	29,737	-7,479	-20.1%
13.6%	27,847	28,148	301	1.1%
14.8%	27,828	27,808	-20	-0.1%
16.0%	24,854	23,072	-1,782	-7.2%
17.3%	24,626	22,747	-1,879	-7.6%
18.5%	24,286	21,657	-2,629	-10.8%
19.8%	21,976	20,526	-1,451	-6.6%
21.0%	21,262	19,649	-1,613	-7.6%
22.2%	21,154	19,315	-1,839	-8.7%
23.5%	19,752	18,743	-1,009	-5.1%
24.7%	18,739	18,525	-214	-1.1%
25.9%	18,711	17,791	-920	-4.9%
27.2%	16,615	17,206	591	3.6%
28.4%	16,256	16,262	5	0.0%
29.6%	15,630	15,120	-510	-3.3%
30.9%	15,287	15,443	156	1.0%
32.1%	15,027	14,319	-709	-4.7%
33.3%	14,461	14,047	-414	-2.9%
34.6%	14,414	13,918	-496	-3.4%
35.8%	14,119	13,758	-361	-2.6%
37.0%	13,748	13,696	-52	-0.4%
38.3%	13,630	13,511	-119	-0.9%
39.5%	13,422	13,425	3	0.0%
40.7%	13,341	13,366	25	0.2%
42.0%	12,956	13,098	142	1.1%
43.2%	12,509	12,031	-478	-3.8%
44.4%	12,325	12,387	62	0.5%
45.7%	12,309	12,339	30	0.2%
46.9%	12,278	12,194	-84	-0.7%
48.1%	12,180	11,687	-493	-4.0%
49.4%	11,852	11,616	-237	-2.0%
50.6%	11,825	11,328	-497	-4.2%
51.9%	11,779	11,292	-487	-4.1%
53.1%	11,384	11,045	-339	-3.0%
54.3%	11,382	10,975	-407	-3.6%
55.6%	10,774	10,513	-262	-2.4%
56.8%	10,327	10,486	159	1.5%
58.0%	10,263	10,473	210	2.0%
59.3%	10,000	10,463	463	4.6%
60.5%	9,979	10,203	224	2.2%
61.7%	9,877	10,195	318	3.2%
63.0%	9,869	9,992	124	1.3%
64.2%	9,503	9,933	430	4.5%
65.4%	9,439	9,788	349	3.7%
66.7%	9,237	9,691	454	4.9%
67.9%	9,213	9,353	140	1.5%
69.1%	9,146	9,319	174	1.9%
70.4%	9,125	9,284	159	1.7%
71.6%	9,059	9,268	210	2.3%
72.8%	9,036	9,174	138	1.5%
74.1%	8,976	9,144	168	1.9%
75.3%	8,929	8,945	16	0.2%
76.5%	8,829	8,928		

Table SW-16-b  
Sacramento River at Verona, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,593	22,596	1,003	4.6%
1.2%	17,062	17,125	63	0.4%
2.5%	16,051	16,027	-25	-0.2%
3.7%	15,952	15,609	-344	-2.2%
4.9%	14,707	14,751	44	0.3%
6.2%	14,351	14,629	277	1.9%
7.4%	14,035	14,249	215	1.5%
8.6%	14,026	14,086	60	0.4%
9.9%	13,958	13,852	-106	-0.8%
11.1%	13,920	13,486	-434	-3.1%
12.3%	13,850	13,390	-461	-3.3%
13.6%	13,831	13,257	-574	-4.1%
14.8%	13,607	13,174	-433	-3.2%
16.0%	13,235	13,103	-132	-1.0%
18.5%	13,195	13,040	-155	-1.2%
19.8%	13,159	13,022	-137	-1.0%
21.0%	12,944	12,911	-33	-0.3%
22.2%	12,889	12,889	0	0.0%
23.5%	12,875	12,780	-95	-0.7%
24.7%	12,843	12,665	-178	-1.4%
25.9%	12,775	12,513	-262	-2.0%
27.2%	12,571	12,402	-169	-1.3%
28.4%	12,477	12,294	-183	-1.5%
29.6%	12,284	12,286	3	0.0%
30.9%	12,235	12,280	45	0.4%
32.1%	12,211	12,239	28	0.2%
33.3%	12,154	12,206	52	0.4%
34.6%	12,141	12,079	-61	-0.5%
35.8%	12,103	12,045	-57	-0.5%
37.0%	12,040	12,031	-9	-0.1%
38.3%	11,944	11,964	20	0.2%
39.5%	11,637	11,948	310	2.7%
40.7%	11,626	11,922	296	2.5%
42.0%	11,613	11,921	307	2.6%
43.2%	11,491	11,491	0	0.0%
44.4%	11,411	11,878	387	3.4%
45.7%	11,487	11,874	386	3.4%
46.9%	11,482	11,805	323	2.8%
48.1%	11,374	11,782	408	3.6%
49.4%	11,325	11,759	434	3.8%
50.6%	11,285	11,705	421	3.7%
51.9%	10,941	11,666	725	6.6%
53.1%	10,892	11,573	681	6.3%
54.3%	10,884	11,567	683	6.3%
55.6%	10,791	11,557	766	7.1%
56.8%	10,731	11,427	696	6.5%
58.0%	10,711	11,323	611	5.7%
59.3%	10,706	11,178	472	4.4%
60.5%	10,674	11,112	438	4.1%
61.7%	10,658	11,018	361	3.4%
63.0%	10,574	10,968	392	3.7%
64.2%	10,490	10,778	288	2.7%
65.4%	10,384	10,783	380	3.7%
66.7%	9,897	10,751	854	8.6%
67.9%	9,858	10,555	698	7.1%
69.1%	9,849	10,417	569	5.8%
70.4%	9,721	10,385	664	6.8%
71.6%	9,658	10,370	712	7.4%
72.8%	9,653	10,261	608	6.3%
74.1%	9,649	10,176	526	5.5%
75.3%	9,642	10,149	507	5.3%
76.5%	9,577	10,069	491	5.1%
77.8%	9,408	9,931	523	5.6%
79.0%	9,134	9,802	667	7.3%
80.2%	9,061	9,753	692	7.6%
81.5%	8,998	9,713	715	7.9%
82.7%	8,977	9,588	611	6.8%
84.0%	8,913	9,577	664	7.5%
85.2%	8,849	9,562	713	8.0%
86.4%	8,581	9,865	384	4.5%
87.7%	8,484	8,905	421	5.0%
88.9%	8,361	8,765	404	4.8%
90.1%	7,929	8,742	813	10.3%
91.4%	7,745	8,599	854	12.3%
92.6%	7,645	7,990	345	4.5%
93.8%	7,550	7,885	336	4.4%
95.1%	7,215	7,846	631	8.7%
96.3%	7,200	7,358	157	2.2%
97.5%	7,200	7,313	113	1.6%
98.8%	6,760	7,197	437	6.5%
100.0%	6,200	6,673	473	7.6%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,308	22,292	1,984	9.8%
1.2%	20,108	21,819	1,711	8.5%
2.5%	19,857	21,065	1,208	6.1%
3.7%	19,676	20,666	991	5.0%
4.9%	19,521	20,627	1,106	5.7%
6.2%	19,488	20,495	1,006	5.2%
7.4%	19,339	20,478	1,139	5.9%
8.6%	19,329	20,372	1,043	5.4%
9.9%	19,313	20,326	1,013	5.2%
11.1%	19,095	20,279	1,184	6.2%
12.3%	18,941	20,262	1,321	7.0%
13.6%	18,910	20,114	1,204	6.4%
14.8%	18,874	20,084	1,209	6.4%
16.0%	18,823	19,881	1,058	5.6%
17.3%	18,819	19,852	1,033	5.5%
18.5%	18,810	19,708	898	4.8%
19.8%	18,708	19,675	967	5.2%
21.0%	18,593	19,621	1,028	5.5%
22.2%	18,557	19,593	1,036	5.6%
23.5%	18,536	19,568	1,031	5.6%
24.7%	18,477	19,512	1,035	5.6%
25.9%	18,466	19,470	1,004	5.4%
27.2%	18,380	19,446	1,066	5.8%
28.4%	18,357	19,428	1,071	5.8%
29.6%	18,349	19,410	1,062	5.8%
30.9%	18,345	19,341	997	5.4%
32.1%	18,274	19,312	1,038	5.7%
33.3%	18,266	19,310	1,044	5.7%
34.6%	18,203	19,220	1,016	5.6%
35.8%	18,108	19,174	1,065	5.9%
37.0%	17,871	19,111	1,240	6.9%
38.3%	17,853	18,963	1,110	6.2%
39.5%	17,805	18,808	1,004	5.6%
40.7%	17,689	18,589	900	5.1%
42.0%	17,666	18,454	788	4.5%
43.2%	17,645	18,431	786	4.5%
44.4%	17,619	18,311	712	4.0%
45.7%	17,593	18,027	433	2.5%
46.9%	17,556	17,929	373	2.1%
48.1%	17,453	17,728	275	1.6%
49.4%	17,395	17,653	258	1.5%
50.6%	17,312	17,511	199	1.1%
51.9%	17,296	17,580	285	1.6%
53.1%	17,212	17,556	345	2.0%
54.3%	17,095	17,341	247	1.4%
55.6%	16,832	17,340	508	3.0%
56.8%	16,801	17,330	529	3.1%
58.0%	16,672	17,307	634	3.8%
59.3%	16,152	17,268	1,116	6.9%
60.5%	15,989	17,238	1,249	7.8%
61.7%	15,793	16,964	1,172	7.4%
63.0%	15,753	16,741	988	6.3%
64.2%	15,421	16,360	939	6.1%
65.4%	15,288	16,357	1,069	7.0%
66.7%	15,080	15,963	884	5.9%
67.9%	14,806	15,960	1,154	7.8%
69.1%	14,611	15,573	962	6.6%
70.4%	14,213	15,296	1,083	7.6%
71.6%	14,209	15,180	971	6.7%
72.8%	14,077	14,878	800	5.7%
74.1%	12,728	14,816	2,088	16.4%
75.3%	12,670	14,430	1,760	13.9%
76.5%	12,347	13,530	1,183	12.0%
77.8%	11,611	13,708	2,097	18.1%
79.0%	11,038	13,547	2,509	22.7%
80.2%	10,926	12,894	1,967	18.0%
81.5%	10,873	11,846	973	9.0%
82.7%	10,579	11,649	1,070	10.1%
84.0%	10,271	11,520	1,250	12.2%
85.2%	10,027	11,047	1,020	10.2%
86.4%	9,785	10,844	1,058	10.8%
87.7%	9,204	10,834	1,630	17.7%
88.9%	9,198	10,692	1,493	16.2%
90.1%	9,133	10,439	1,306	14.3%
91.4%	8,959	10,055	1,096	12.2%
92.6%	8,830	9,466	636	7.2%
93.8%	8,599	9,224	625	7.3%
95.1%	8,574	9,013	439	5.1%
96.3%	8,027	8,944	917	11.4%
97.5%	7,795	8,775	979	12.6%
98.8%	6,752	7,779	1,027	15.2%
100.0%	4,975	7,111	2,136	55.0%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,591	16,829	238	1.4%
1.2%	16,102	16,810	708	4.4%
2.5%	15,853	16,325	472	3.0%
3.7%	15,629	15,105	-524	-3.4%
4.9%	15,169	15,104	-64	-0.4%
6.2%	14,513	14,651	138	0.9%
7.4%	14,508	14,580	72	0.5%
8.6%	14,362	14,522	160	1.1%
9.9%	14,317	14,508	191	1.3%
11.1%	14,089	14,493	404	2.9%
12.3%	14,044	14,373	329	2.3%
13.6%	14,006	14,370	363	2.6%
14.8%	14,001	14,347	346	2.5%
16.0%	13,961	14,320	359	2.6%
17.3%	13,889	14,296	407	2.9%
18.5%	13,798	14,254	456	3.3%
19.8%	13,729	14,160	432	3.1%
21.0%	13,708	14,003	294	2.1%
22.2%	13,671	13,961	290	2.1%
23.5%	13,584	13,837	253	1.9%
24.7%	13,531	13,796	265	2.0%
25.9%	13,411	13,769	357	2.7%
27.2%	13,351	13,755	405	3.0%
28.4%	13,292	13,733	441	3.3%
29.6%	13,287	13,621	334	2.5%
30.9%	13,264	13,612	347	2.6%
32.1%	13,122	13,585	463	3.5%
33.3%	13,005	13,567	561	4.3%
34.6%	12,812	13,537	725	5.7%
35.8%	12,712	13,489	778	6.1%
37.0%	12,709	13,430	721	5.7%
38.3%	12,688	13,374	686	5.4%
39.5%	12,654	13,344	690	5.5%
40.7%	12,648	13,308	660	5.2%
42.0%	12,646	13,218	572	4.5%
43.2%	12,641	13,194	553	4.4%
44.4%	12,546	13,190	644	5.1%
45.7%	12,527	13,183	655	5.2%
46.9%	12,452	13,153	701	5.6%
48.1%	12,451	13,136	686	5.5%
49.4%	12,417	13,120	703	5.7%
50.6%	12,376	13,047	671	5.4%
51.9%	12,229	12,914	684	5.6%
53.1%	12,172	12,890	718	5.9%
54.3%	11,990	12,701	711	6.0%
55.6%	11,713	12,494	781	6.7%
56.8%	11,419	12,424	1,005	8.8%
58.0%	11,083	12,216	1,133	10.2%
59.3%	11,042	11,818	777	7.0%
60.5%	10,528	11,786	1,258	11.9%
61.7%	10,395	11,534	1,138	11.0%
63.0%	10,258	11,428	1,170	11.4%
64.2%	10,143	11,376	1,233	12.2%
65.4%	10,110	11,263	1,153	11.4%
66.7%	10,048	11,187	1,139	11.3%
67.9%	9,968	10,655	686	6.9%
69.1%	9,827	10,567	740	7.5%
70.4%	9,770	10,336	567	5.8%
71.6%	9,729	10,327	598	6.1%
72.8%	9,631	10,278	647	6.7%
74.1%	9,598	10,240	642	6.7%
75.3%	9,579	10,057	478	5.0%
76.5%	9,535	10,048	512	5.4%
77.8%	9,526	9,989	463	4.9%
79.0%	9,485	9,755	270	2.8%
80.2%				

Figure SW-17-b  
Sacramento River at Freeport, Monthly Flow  
Probability of Exceedance

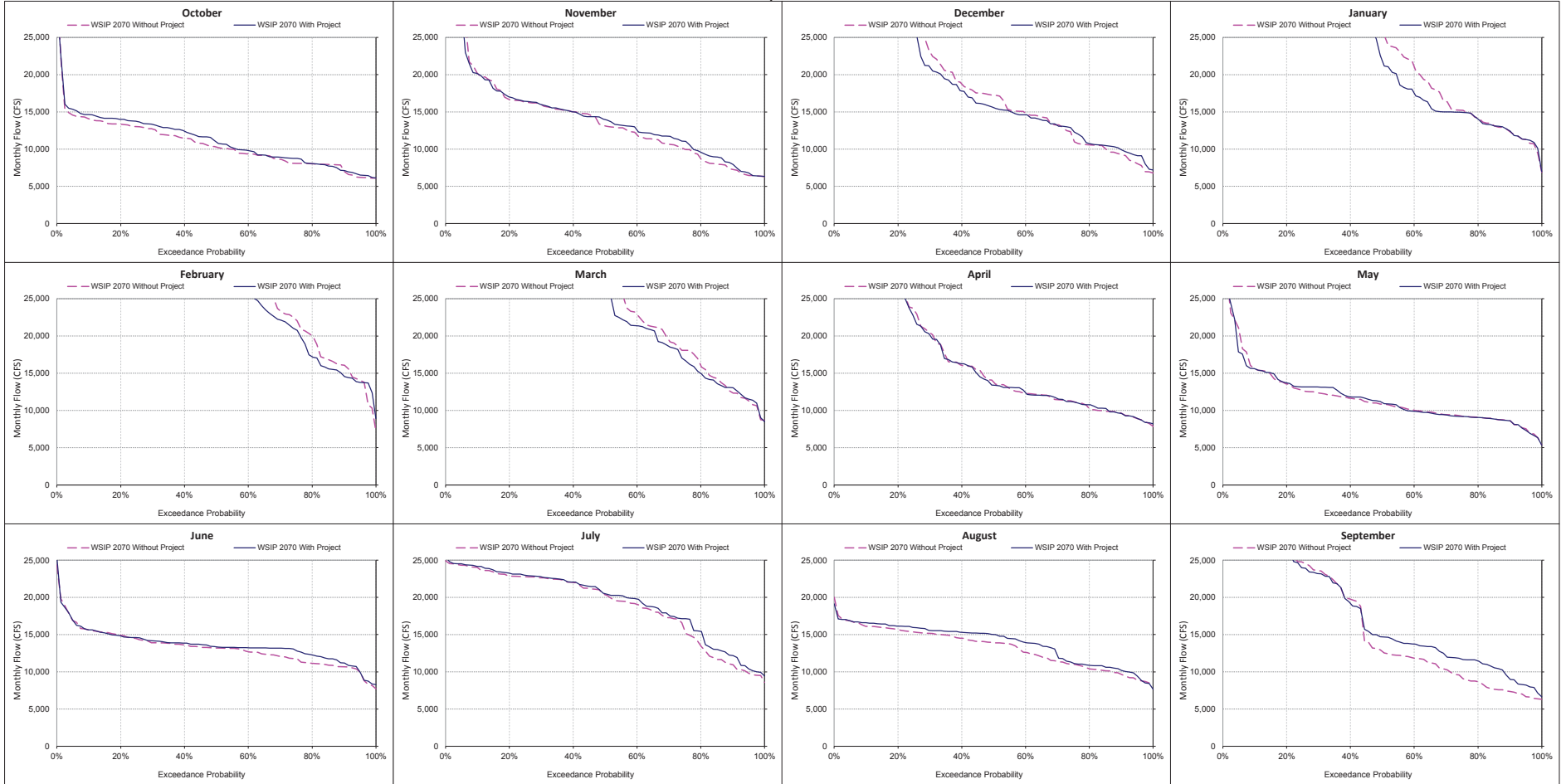




Table SW-17-b  
Sacramento River at Freepoint, Monthly Flow  
Probability of Exceedance

October						November						December						January					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	33,410	29,806	-3,604	-10.8%		0.0%	44,533	38,603	-5,930	-13.3%		0.0%	81,196	81,176	-20	0.0%		0.0%	81,299	81,092	-207	-0.3%	
1.2%	22,306	22,488	183	0.8%		1.2%	39,768	39,071	-697	-1.8%		1.2%	78,525	78,279	-246	-0.3%		1.2%	80,473	80,408	-66	-0.1%	
2.5%	15,504	18,049	2,545	16.4%		2.5%	38,787	37,962	-825	-2.1%		2.5%	73,595	73,262	-333	-0.5%		2.5%	79,509	79,721	213	0.3%	
3.7%	14,904	15,503	599	4.0%		3.7%	33,726	33,815	89	0.3%		3.7%	70,488	70,077	-410	-0.6%		3.7%	77,859	77,835	-24	0.0%	
4.9%	14,570	15,363	793	5.4%		4.9%	30,116	29,427	-688	-2.3%		4.9%	67,004	66,695	-309	-0.5%		4.9%	77,525	77,513	-12	0.0%	
6.2%	14,398	15,133	735	5.1%		6.2%	27,251	22,983	-4,267	-15.7%		6.2%	62,836	61,662	-1,174	-1.9%		6.2%	76,582	76,552	-30	0.0%	
7.4%	14,358	14,795	437	3.0%		7.4%	21,708	21,453	-254	-1.2%		7.4%	60,931	56,264	-4,666	-7.7%		7.4%	76,554	76,174	-380	-0.5%	
8.6%	14,315	14,643	328	2.3%		8.6%	21,206	20,280	-926	-4.4%		8.6%	56,510	55,305	-1,205	-2.1%		8.6%	72,595	71,744	-851	-1.2%	
9.9%	14,086	14,632	546	3.9%		9.9%	20,224	20,187	-37	-0.2%		9.9%	55,196	54,748	-448	-0.8%		9.9%	71,554	71,097	-457	-0.6%	
11.1%	13,899	14,602	702	5.1%		11.1%	19,703	19,845	142	0.7%		11.1%	54,593	53,828	-765	-1.4%		11.1%	70,873	70,857	-16	0.0%	
12.3%	13,817	14,431	614	4.4%		12.3%	19,698	19,300	-398	-2.0%		12.3%	43,867	43,524	-343	-0.8%		12.3%	70,683	70,783	100	0.1%	
13.6%	13,809	14,238	429	3.1%		13.6%	19,320	19,297	-23	-0.1%		13.6%	43,847	42,891	-955	-2.2%		13.6%	69,335	69,251	-84	-0.1%	
14.8%	13,676	14,162	486	3.6%		14.8%	19,105	18,170	-935	-4.9%		14.8%	38,544	37,563	-981	-2.5%		14.8%	69,321	67,910	-1,411	-2.0%	
16.0%	13,420	14,129	710	5.3%		16.0%	18,066	17,812	-255	-1.4%		16.0%	38,087	35,307	-2,780	-7.3%		16.0%	68,303	67,375	-928	-1.4%	
18.5%	13,381	14,100	719	5.4%		18.5%	16,979	17,355	376	2.2%		18.5%	34,576	32,700	-1,876	-5.4%		18.5%	66,202	65,618	-584	-0.9%	
19.8%	13,367	13,998	631	4.7%		19.8%	16,711	17,049	338	2.0%		19.8%	33,974	30,332	-3,642	-10.7%		19.8%	63,570	63,620	49	0.1%	
21.0%	13,296	13,986	690	5.2%		21.0%	16,561	16,898	336	2.0%		21.0%	32,640	29,453	-3,187	-9.8%		21.0%	63,010	63,172	162	0.3%	
22.2%	13,252	13,827	575	4.3%		22.2%	16,542	16,688	145	0.9%		22.2%	32,088	29,911	-2,177	-6.8%		22.2%	62,916	61,015	-1,901	-3.0%	
23.5%	13,042	13,793	751	5.8%		23.5%	16,520	16,520	0	0.0%		23.5%	28,930	27,902	-1,028	-3.6%		23.5%	59,903	59,590	-313	-0.5%	
24.7%	13,034	13,763	729	5.6%		24.7%	16,324	16,416	92	0.6%		24.7%	28,861	27,679	-1,182	-4.1%		24.7%	60,146	59,270	-876	-1.5%	
25.9%	13,009	13,661	653	5.0%		25.9%	16,273	16,396	122	0.8%		25.9%	26,999	25,204	-1,795	-6.6%		25.9%	58,780	57,627	-1,153	-1.9%	
27.2%	12,907	13,421	514	4.0%		27.2%	16,197	16,308	112	0.7%		27.2%	25,715	22,471	-3,244	-12.6%		27.2%	54,654	53,086	-1,568	-2.9%	
28.4%	12,750	13,402	652	5.1%		28.4%	16,196	16,272	77	0.5%		28.4%	24,942	21,250	-3,692	-14.8%		28.4%	50,404	50,292	-112	-0.2%	
29.5%	12,742	13,343	602	4.7%		29.5%	16,023	16,023	0	0.0%		29.5%	23,599	21,191	-2,408	-10.2%		29.5%	48,549	45,252	-3,297	-6.8%	
30.9%	12,577	13,207	630	5.0%		30.9%	15,761	15,900	139	0.9%		30.9%	22,445	20,486	-1,958	-8.7%		30.9%	45,078	44,755	-324	-0.7%	
32.1%	11,986	13,039	1,053	8.8%		32.1%	15,664	15,767	103	0.7%		32.1%	22,092	20,344	-1,748	-7.9%		32.1%	44,147	44,396	249	0.6%	
33.3%	11,949	12,895	945	7.9%		33.3%	15,551	15,543	-8	-0.1%		33.3%	21,367	20,113	-1,254	-5.9%		33.3%	43,499	42,363	-1,136	-2.6%	
34.6%	11,893	12,887	994	8.4%		34.6%	15,372	15,627	256	1.0%		34.6%	20,585	19,461	-1,124	-5.5%		34.6%	37,887	34,817	-3,071	-8.1%	
35.8%	11,813	12,803	990	8.4%		35.8%	15,337	15,406	69	0.5%		35.8%	20,437	19,274	-1,163	-5.7%		35.8%	36,618	34,407	-2,210	-6.0%	
37.0%	11,812	12,661	849	7.2%		37.0%	15,228	15,295	67	0.4%		37.0%	20,322	18,700	-1,622	-8.0%		37.0%	36,527	34,265	-2,262	-6.2%	
38.3%	11,609	12,631	1,022	8.8%		38.3%	15,213	15,190	-23	-0.1%		38.3%	19,121	18,683	-438	-2.3%		38.3%	35,438	33,678	-1,760	-5.0%	
39.5%	11,489	12,518	1,030	9.0%		39.5%	15,031	15,045	14	0.1%		39.5%	18,994	17,871	-1,123	-5.9%		39.5%	35,146	31,654	-3,491	-9.9%	
40.7%	11,458	12,243	785	6.9%		40.7%	15,014	14,981	-33	-0.2%		40.7%	18,413	17,742	-671	-3.6%		40.7%	35,132	31,646	-3,487	-9.9%	
42.0%	11,381	12,064	683	6.0%		42.0%	14,853	14,729	-124	-0.8%		42.0%	18,165	17,015	-1,150	-6.3%		42.0%	34,335	31,327	-3,008	-8.8%	
43.2%	10,960	11,823	863	7.8%		43.2%	14,782	14,729	-53	-0.4%		43.2%	17,645	16,898	-747	-4.2%		43.2%	33,145	30,142	-3,003	-9.1%	
44.4%	10,790	11,668	878	8.1%		44.4%	14,757	14,732	-25	-0.2%		44.4%	17,548	16,177	-1,371	-7.8%		44.4%	31,988	30,079	-1,909	-6.0%	
45.7%	10,769	11,661	892	8.3%		45.7%	14,505	14,353	-151	-1.0%		45.7%	17,538	16,153	-1,385	-7.9%		45.7%	30,705	28,549	-2,157	-7.0%	
46.9%	10,562	11,634	1,072	10.1%		46.9%	14,330	14,343	13	0.1%		46.9%	17,476	16,037	-1,439	-8.2%		46.9%	29,332	25,914	-3,417	-11.7%	
48.1%	10,361	11,576	1,215	11.7%		48.1%	13,366	14,322	957	7.2%		48.1%	17,362	15,862	-1,500	-8.6%		48.1%	29,035	24,823	-4,211	-14.5%	
49.4%	10,352	11,145	794	7.7%		49.4%	13,180	14,031	852	6.5%		49.4%	17,259	15,678	-1,582	-9.2%		49.4%	25,888	22,599	-3,289	-12.7%	
50.6%	10,193	10,768	575	5.6%		50.6%	13,065	13,065	0	0.0%		50.6%	15,077	14,919	-158	-1.1%		50.6%	22,116	18,072	-4,044	-18.3%	
51.9%	10,094	10,684	590	5.8%		51.9%	12,980	13,666	685	5.3%		51.9%	17,130	15,307	-1,824	-10.6%		51.9%	23,925	21,076	-2,848	-11.9%	
53.1%	10,092	10,652	560	5.6%		53.1%	12,940	13,321	382	2.9%		53.1%	16,499	15,260	-1,239	-7.5%		53.1%	23,784	20,325	-3,459	-14.5%	
54.3%	10,006	10,284	278	2.8%		54.3%	12,874	13,263	389	3.0%		54.3%	15,376	15,205	-171	-1.1%		54.3%	23,613	20,131	-3,482	-14.7%	
55.6%	9,973	10,123	151	1.5%		55.6%	12,866	13,195	329	2.6%		55.6%	15,171	15,015	-155	-1.0%		55.6%	23,065	18,607	-4,459	-19.3%	
56.8%	9,450	9,933	483	5.1%		56.8%	12,556	13,099	543	4.3%		56.8%	15,120	14,753	-366	-2.4%		56.8%	22,368	18,274	-4,095	-18.3%	
58.0%	9,435	9,889	454	4.8%		58.0%	12,345	13,064	719	5.8%		58.0%	15,077	14,919	-158	-1.1%		58.0%	22,116	18,072	-4,044	-18.3%	
59.3%	9,369	9,875	506	5.4%		59.3%	12,269	13,007	738	6.0%		59.3%	15,069	14,603	-466	-3.1%		59.3%	21,910	18,572	-3,338	-15.2%	
60.5%	9,343	9,760	417	4.5%		60.5%	11,705	12,288	584	5.0%		60.5%	14,670	14,595	-75	-0.5%		60.5%	20,507	17,138	-3,369	-16.4%	
61.7%	9,331	9,660	329	3.5%		61.7%	11,561	12,214	653	5.6%		61.7%	14,551	14,179	-372	-2.6%		61.7%	20,019	16,978	-3,041	-15.2%	
63.0%	9,172	9,215	44	0.5%		63.0%	11,389	12,179	790	6.9%		63.0%	14,544	14,167	-377	-2.6%		63.0%	19,361	16,556	-2,804	-14.5%	
64.2%	9,171	9,214	43	0.5%		64.2%	11,385	12,137	752	6.6%		64.2%	14,428	14,049	-380	-2.6%		64.2%	19,159	16,347	-2,812	-14.7%	
65.4%	9,136	9,203	67	0.7%		65.4%	11,328	11,921	593	5.2%		65.4%	14,276	13,875	-401	-2.8%		65.4%	18,965	15,420	-3,545	-18.7%	
66.7%	9,098	9,861	763	8.4%		66.7%	11,256	11,905	649	5.8%		66.7%	14,198	13,820	-378	-2.7%		66.7%	17,972	15,108	-2,865	-15.9%	
67.9%	8,746	9,850	1,104	12.6%		67.9%	10,813	11,765	952	8.8%		67.9%	13,454	13,392	-62	-0.5%		67.9%	17,667	15,020	-2,647	-15.0%	
69.1%	8,675	9,939	1,264	14.6%		69.1%	10,739	11,761	1,022	9.5%		69.1%	13,258	13,383	124	0.9%		69.1%	16,526	15,016	-1,510	-9.1%	
70.4%	8,608	9,891	1,284	14.9%		70.4%	10,634	11,716	1,082	10.2%		70.4%	13,258	13,070	-188	-1.4%		70.4%	16,346	15,011	-1,336	-8.2%	
71.6%	8,391	9,822	1,430	17.1%		71.6%	10,574	11,421	847	8.0%		71.6%	12,946	13,063	117								



Table SW-17-b  
Sacramento River at Freeport, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	82,108	82,095	-13	0.0%
1.2%	82,073	82,046	-27	0.0%
2.5%	81,782	81,787	4	0.0%
3.7%	81,631	81,578	-53	-0.1%
4.9%	79,859	79,889	30	0.0%
6.2%	79,513	79,543	30	0.0%
7.4%	78,399	78,372	-27	0.0%
8.6%	76,988	77,100	113	0.1%
9.9%	76,479	76,551	72	0.1%
11.1%	75,287	74,949	-338	-0.4%
12.3%	74,720	74,735	15	0.0%
13.6%	74,341	74,124	-217	-0.3%
14.8%	73,623	73,679	56	0.1%
16.0%	73,433	73,426	-7	0.0%
17.3%	73,223	72,357	-866	-1.2%
18.5%	71,516	71,311	-205	-0.3%
19.8%	71,209	70,800	-409	-0.6%
21.0%	69,073	68,356	-717	-1.0%
22.2%	68,665	67,696	-970	-1.4%
23.5%	67,467	65,982	-1,484	-2.2%
24.7%	67,178	65,907	-1,271	-1.9%
25.9%	64,802	64,796	-6	0.0%
27.2%	64,618	64,384	-234	-0.4%
28.4%	64,608	63,453	-1,154	-1.8%
29.6%	63,831	62,808	-1,023	-1.6%
30.9%	57,254	56,295	-959	-1.7%
32.1%	56,899	55,320	-1,579	-2.8%
33.3%	53,947	53,893	-54	-0.1%
34.6%	53,190	53,254	64	0.1%
35.8%	52,593	52,312	-281	-0.5%
37.0%	51,690	51,408	-284	-0.5%
38.3%	51,380	51,277	-103	-0.2%
39.5%	51,203	49,559	-1,644	-3.2%
40.7%	49,645	48,510	-1,135	-2.3%
42.0%	49,590	46,106	-3,484	-7.0%
43.2%	48,636	46,801	-1,835	-3.8%
44.4%	46,451	45,444	-1,008	-2.2%
45.7%	44,431	44,598	167	0.4%
46.9%	43,988	44,444	456	1.0%
48.1%	42,690	43,592	902	2.1%
49.4%	41,146	39,329	-1,817	-4.4%
50.6%	37,820	37,824	4	0.0%
51.9%	36,874	34,260	-2,613	-7.1%
53.1%	35,825	33,576	-2,250	-6.3%
54.3%	34,288	29,468	-4,819	-14.1%
55.6%	32,817	29,145	-3,671	-11.2%
56.8%	32,223	28,037	-4,186	-13.0%
58.0%	30,191	27,730	-2,461	-8.2%
59.3%	29,046	25,358	-3,688	-12.7%
60.5%	28,088	25,290	-2,798	-10.0%
61.7%	27,185	25,071	-2,114	-7.8%
63.0%	26,514	24,761	-1,754	-6.6%
64.2%	26,495	24,062	-2,432	-9.2%
65.4%	25,659	23,486	-2,173	-8.5%
66.7%	25,536	23,047	-2,489	-9.7%
67.9%	25,115	22,638	-2,477	-9.9%
69.1%	23,704	22,258	-1,446	-6.1%
70.4%	23,235	22,100	-1,135	-4.9%
71.6%	22,958	21,895	-1,061	-4.6%
72.8%	22,880	21,485	-1,395	-6.1%
74.1%	22,535	21,045	-1,491	-6.6%
75.3%	22,041	20,757	-1,284	-5.8%
76.5%	20,905	19,770	-1,135	-5.4%
77.8%	20,676	18,924	-1,753	-8.5%
79.0%	20,345	17,475	-2,869	-14.1%
80.2%	19,966	17,156	-2,810	-14.1%
81.5%	18,882	17,055	-1,828	-9.7%
82.7%	17,205	16,012	-1,193	-6.9%
84.0%	17,009	15,842	-1,166	-6.9%
85.2%	16,818	15,676	-1,142	-6.8%
86.4%	16,591	15,514	-1,077	-6.5%
87.7%	16,276	15,427	-850	-5.2%
88.9%	16,143	15,079	-1,064	-6.6%
90.1%	16,075	14,540	-1,536	-9.6%
91.4%	15,598	14,399	-1,199	-7.6%
92.6%	14,485	14,324	-161	-1.1%
93.8%	14,270	13,886	-384	-2.7%
95.1%	14,047	13,758	-288	-2.1%
96.3%	13,786	13,715	-72	-0.5%
97.5%	10,789	13,699	2,910	27.0%
98.8%	10,318	12,367	2,049	19.9%
100.0%	7,199	8,922	1,723	23.9%

Percent Exceedance Probability	March			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,996	79,983	-12	0.0%
1.2%	77,364	76,987	-378	-0.5%
2.5%	76,991	76,784	-208	-0.3%
3.7%	76,917	76,756	-161	-0.2%
4.9%	76,855	76,492	-363	-0.5%
6.2%	75,327	75,328	1	0.0%
7.4%	73,420	72,890	-530	-0.7%
8.6%	67,249	67,252	3	0.0%
9.9%	66,839	66,534	-305	-0.5%
11.1%	65,997	64,620	-1,377	-2.1%
12.3%	64,617	64,239	-378	-0.6%
13.6%	63,952	63,751	-201	-0.3%
14.8%	63,170	63,166	-4	0.0%
16.0%	63,022	63,025	3	0.0%
17.3%	60,801	59,311	-1,491	-2.5%
18.5%	59,017	59,169	152	0.3%
19.8%	58,718	58,719	1	0.0%
21.0%	58,396	58,391	-6	0.0%
22.2%	56,016	56,002	-14	0.0%
23.5%	55,419	54,824	-595	-1.1%
24.7%	55,137	53,230	-1,907	-3.5%
25.9%	52,385	49,867	-2,517	-4.8%
27.2%	52,046	49,376	-2,669	-5.1%
28.4%	50,478	48,807	-1,671	-3.3%
29.6%	50,473	47,600	-2,873	-5.7%
30.9%	48,936	46,261	-2,675	-5.5%
32.1%	47,490	46,168	-1,322	-2.8%
33.3%	45,908	43,674	-2,234	-4.9%
34.6%	44,368	42,576	-1,793	-4.0%
35.8%	44,173	42,021	-2,152	-4.9%
37.0%	43,577	41,008	-2,569	-5.9%
38.3%	42,912	39,178	-3,734	-8.7%
39.5%	38,819	38,651	-168	-0.4%
40.7%	38,520	38,004	-517	-1.3%
42.0%	35,465	34,929	-536	-1.5%
43.2%	34,035	33,348	-687	-2.0%
44.4%	34,384	30,862	-3,522	-10.2%
45.7%	33,772	30,713	-3,060	-9.1%
46.9%	33,422	30,312	-3,110	-9.3%
48.1%	32,765	27,331	-5,433	-16.6%
49.4%	30,843	26,731	-4,112	-13.3%
50.6%	28,014	26,218	-1,795	-6.4%
51.9%	27,012	25,228	-1,784	-6.6%
53.1%	26,791	22,739	-4,052	-15.1%
54.3%	26,728	22,493	-4,234	-15.8%
55.6%	25,474	22,195	-3,279	-12.9%
56.8%	23,772	21,943	-1,829	-7.7%
58.0%	23,329	21,450	-1,880	-8.1%
59.3%	22,223	21,385	-838	-3.8%
60.5%	22,662	21,371	-1,292	-5.7%
61.7%	22,024	21,248	-776	-3.5%
63.0%	21,490	21,005	-485	-2.3%
64.2%	21,327	20,874	-453	-2.1%
65.4%	21,218	20,668	-550	-2.6%
66.7%	21,122	19,273	-1,850	-8.8%
67.9%	20,888	19,124	-1,764	-8.4%
69.1%	19,986	18,833	-1,152	-5.8%
70.4%	18,217	18,501	284	1.6%
71.6%	19,051	18,355	-696	-3.7%
72.8%	18,615	18,192	-423	-2.3%
74.1%	18,085	17,060	-1,025	-5.7%
75.3%	18,084	16,663	-1,421	-7.9%
76.5%	18,080	16,181	-1,899	-10.5%
77.8%	17,581	15,909	-1,672	-9.5%
79.0%	16,992	15,269	-1,723	-10.1%
80.2%	15,833	14,926	-908	-5.7%
81.5%	15,489	14,351	-1,137	-7.3%
82.7%	14,707	14,147	-560	-3.8%
84.0%	14,453	14,098	-355	-2.5%
85.2%	14,287	13,995	-292	-2.1%
86.4%	13,735	13,325	-410	-3.0%
87.7%	13,345	13,104	-241	-1.8%
88.9%	12,654	13,088	433	3.4%
90.1%	12,338	13,057	719	5.8%
91.4%	12,322	12,630	308	2.5%
92.6%	11,757	12,150	393	3.3%
93.8%	11,643	11,707	64	0.5%
95.1%	11,282	11,517	234	2.1%
96.3%	10,780	11,365	584	5.4%
97.5%	10,643	10,987	344	3.2%
98.8%	9,012	9,752	740	8.2%
100.0%	8,684	8,498	-186	-2.1%

Percent Exceedance Probability	April			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,071	77,978	1,907	2.5%
1.2%	77,807	77,799	-8	0.0%
2.5%	69,486	69,002	-484	-0.7%
3.7%	55,157	54,729	-428	-0.8%
4.9%	53,520	53,516	-4	0.0%
6.2%	52,111	51,956	-155	-0.3%
7.4%	51,288	51,222	-66	-0.1%
8.6%	51,122	49,588	-1,534	-3.0%
9.9%	49,616	48,534	-981	-2.0%
11.1%	48,426	48,448	22	0.0%
12.3%	40,423	37,444	-2,979	-7.4%
13.6%	32,755	32,132	-624	-1.9%
14.8%	31,838	31,201	-637	-2.0%
16.0%	31,303	29,198	-2,105	-6.7%
17.3%	30,903	28,854	-2,049	-6.6%
18.5%	28,874	28,275	-599	-2.1%
19.8%	27,889	26,500	-1,389	-5.0%
21.0%	26,483	25,285	-1,198	-4.5%
22.2%	25,471	25,032	-439	-1.7%
23.5%	23,824	23,742	-82	-0.3%
24.7%	23,740	22,619	-921	-3.9%
25.9%	22,922	22,887	-35	-0.2%
27.2%	21,308	21,314	6	0.0%
28.4%	20,996	20,575	-422	-2.0%
29.6%	20,558	20,327	-231	-1.1%
30.9%	20,171	19,578	-593	-2.9%
32.1%	19,002	19,531	529	2.8%
33.3%	18,893	18,832	-61	-0.3%
34.6%	17,685	16,987	-698	-3.9%
35.8%	16,547	16,848	301	1.8%
37.0%	16,500	16,520	20	0.1%
38.3%	16,493	16,453	-40	-0.2%
39.5%	16,147	16,288	141	0.9%
40.7%	15,951	16,265	314	2.0%
42.0%	15,947	16,016	69	0.4%
43.2%	15,377	15,638	261	1.7%
44.4%	15,485	15,087	-398	-2.6%
45.7%	15,390	14,516	-874	-5.7%
46.9%	14,627	14,222	-405	-2.8%
48.1%	14,119	14,003	-116	-0.8%
49.4%	14,087	13,405	-683	-4.8%
50.6%	13,507	13,373	-134	-1.0%
51.9%	13,483	13,288	-194	-1.4%
53.1%	13,457	13,090	-368	-2.7%
54.3%	13,147	13,089	-58	-0.4%
55.6%	12,779	13,086	308	2.4%
56.8%	12,593	13,064	471	3.7%
58.0%	12,518	13,061	543	4.3%
59.3%	12,344	12,727	384	3.1%
60.5%	12,274	12,154	-120	-1.0%
61.7%	12,237	12,108	-130	-1.1%
63.0%	12,165	12,057	-108	-0.9%
64.2%	12,154	12,043	-111	-0.9%
65.4%	12,072	12,033	-40	-0.3%
66.7%	12,043	12,011	-32	-0.3%
67.9%	11,788	11,962	174	1.5%
69.1%	11,476	11,763	287	2.5%
70.4%	11,440	11,512	72	0.6%
71.6%	11,395	11,470	75	0.7%
72.8%	11,319	11,216	-103	-0.9%
74.1%	11,308	11,193	-115	-1.0%
75.3%	11,157	11,123	-35	-0.3%
76.5%	10			

Table SW-17-b  
Sacramento River at Freepoint, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,345	25,349	1,003	4.1%
1.2%	19,823	19,349	-474	-2.4%
2.5%	18,902	18,641	-261	-1.4%
3.7%	17,877	17,941	64	0.4%
4.9%	16,914	16,959	45	0.3%
6.2%	16,638	16,252	-387	-2.3%
7.4%	15,821	16,143	322	2.0%
8.6%	15,775	15,774	-1	0.0%
9.9%	15,636	15,652	15	0.1%
11.1%	15,523	15,628	105	0.7%
12.3%	15,449	15,502	53	0.3%
13.6%	15,371	15,322	-49	-0.3%
14.8%	15,313	15,246	-67	-0.4%
16.0%	15,259	15,095	-164	-1.1%
17.3%	15,128	14,945	-183	-1.2%
18.5%	15,040	14,934	-106	-0.7%
19.8%	14,945	14,853	-92	-0.6%
21.0%	14,846	14,657	-188	-1.3%
22.2%	14,638	14,632	-6	0.0%
23.5%	14,561	14,612	51	0.3%
24.7%	14,490	14,593	103	0.7%
25.9%	14,303	14,576	273	1.9%
27.2%	14,226	14,395	169	1.2%
28.4%	14,153	14,197	44	0.3%
29.6%	13,998	13,959	-39	-0.3%
30.9%	13,897	14,124	228	1.6%
32.1%	13,888	14,099	211	1.5%
33.3%	13,885	14,051	165	1.2%
34.6%	13,850	13,929	79	0.6%
35.8%	13,818	13,898	80	0.6%
37.0%	13,717	13,888	170	1.2%
38.3%	13,708	13,875	168	1.2%
39.5%	13,630	13,865	234	1.7%
40.7%	13,593	13,844	251	1.8%
42.0%	13,417	13,717	300	2.2%
43.2%	13,416	13,414	-2	0.0%
44.4%	13,377	13,706	329	2.5%
45.7%	13,284	13,642	358	2.7%
46.9%	13,278	13,603	324	2.4%
48.1%	13,233	13,076	-157	-1.4%
49.4%	13,191	13,377	186	1.4%
50.6%	13,189	13,308	119	0.9%
51.9%	13,180	13,292	112	0.9%
53.1%	13,158	13,284	126	1.0%
54.3%	13,155	13,279	124	0.9%
55.6%	13,153	13,278	125	1.0%
56.8%	13,086	13,239	153	1.2%
58.0%	12,976	13,234	258	2.0%
59.3%	12,769	13,233	464	3.6%
60.5%	12,657	13,215	558	4.4%
61.7%	12,636	13,213	577	4.6%
63.0%	12,628	13,211	584	4.6%
64.2%	12,411	13,202	791	6.4%
65.4%	12,361	13,200	839	6.8%
66.7%	12,291	13,189	898	7.3%
67.9%	12,276	13,185	908	7.4%
69.1%	12,146	13,168	1,021	8.4%
70.4%	12,036	13,165	1,130	9.4%
71.6%	12,006	13,155	1,149	9.6%
72.8%	11,833	13,153	1,320	11.2%
74.1%	11,787	13,086	1,299	11.0%
75.3%	11,744	12,772	1,029	8.8%
76.5%	11,303	12,628	1,325	11.7%
77.8%	11,243	12,411	1,168	10.4%
79.0%	11,174	12,356	1,182	10.6%
80.2%	11,132	12,257	1,124	10.1%
81.5%	11,100	12,114	1,015	9.1%
82.7%	11,066	12,047	980	8.9%
84.0%	10,994	11,860	866	7.9%
85.2%	10,893	11,743	851	7.8%
86.4%	10,862	11,740	878	8.1%
87.7%	10,705	11,599	894	8.4%
88.9%	10,687	11,226	539	5.0%
90.1%	10,679	11,174	496	4.6%
91.4%	10,649	10,862	213	2.0%
92.6%	10,522	10,780	258	2.5%
93.8%	10,388	10,705	317	3.0%
95.1%	9,924	10,522	600	6.0%
96.3%	8,805	8,850	46	0.5%
97.5%	8,317	8,739	422	5.1%
98.8%	8,174	8,582	408	5.0%
100.0%	7,714	8,300	586	7.6%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,915	25,476	560	2.2%
1.2%	24,536	24,795	259	1.1%
2.5%	24,515	24,546	31	0.1%
3.7%	24,407	24,536	129	0.5%
4.9%	24,323	24,515	192	0.8%
6.2%	24,315	24,362	47	0.2%
7.4%	24,136	24,358	222	0.9%
8.6%	24,069	24,318	250	1.0%
9.9%	24,035	24,155	120	0.5%
11.1%	23,650	24,148	499	2.1%
12.3%	23,614	23,925	310	1.3%
13.6%	23,602	23,876	274	1.2%
14.8%	23,439	23,704	265	1.1%
16.0%	23,200	23,457	257	1.1%
17.3%	23,135	23,400	264	1.1%
18.5%	23,111	23,345	234	1.0%
19.8%	22,867	23,280	414	1.8%
21.0%	22,852	23,146	293	1.3%
22.2%	22,837	23,114	277	1.2%
23.5%	22,812	23,112	300	1.3%
24.7%	22,796	22,995	199	0.9%
25.9%	22,759	22,930	171	0.8%
27.2%	22,749	22,867	118	0.5%
28.4%	22,745	22,859	115	0.5%
29.6%	22,626	22,814	187	0.8%
30.9%	22,626	22,849	223	1.0%
32.1%	22,528	22,620	92	0.4%
33.3%	22,451	22,544	93	0.4%
34.6%	22,435	22,523	88	0.4%
35.8%	22,416	22,461	45	0.2%
37.0%	22,283	22,364	81	0.4%
38.3%	22,050	22,078	28	0.1%
39.5%	22,038	22,077	39	0.2%
40.7%	21,969	22,053	84	0.4%
42.0%	21,643	21,742	99	0.5%
43.2%	21,531	21,631	100	0.5%
44.4%	21,233	21,520	287	1.3%
45.7%	21,139	21,464	325	1.5%
46.9%	21,098	21,459	361	1.7%
48.1%	21,012	21,075	63	0.3%
49.4%	20,451	20,565	114	0.6%
50.6%	20,273	20,408	135	0.7%
51.9%	19,898	20,274	377	1.9%
53.1%	19,570	20,261	691	3.5%
54.3%	19,511	20,261	750	3.8%
55.6%	19,482	20,210	728	3.7%
56.8%	19,447	19,942	495	2.5%
58.0%	19,209	19,866	657	3.4%
59.3%	19,180	19,838	658	3.4%
60.5%	18,999	19,736	737	3.9%
61.7%	18,584	19,213	629	3.4%
63.0%	18,544	18,801	257	1.4%
64.2%	18,362	18,768	407	2.2%
65.4%	18,035	18,704	669	3.7%
66.7%	17,995	18,529	534	3.0%
67.9%	17,584	17,933	348	2.0%
69.1%	17,274	17,925	651	3.8%
70.4%	17,271	17,502	231	1.3%
71.6%	17,132	17,418	286	1.7%
72.8%	17,103	17,212	109	0.6%
74.1%	16,579	17,150	572	3.4%
75.3%	15,148	17,119	1,971	13.0%
76.5%	14,909	17,082	2,174	14.6%
77.8%	14,634	15,540	907	6.2%
79.0%	14,113	15,496	1,384	9.8%
80.2%	13,365	15,440	2,076	15.5%
81.5%	12,786	13,640	854	6.7%
82.7%	12,092	13,346	1,254	10.4%
84.0%	11,914	13,025	1,111	9.3%
85.2%	11,648	12,989	1,341	11.5%
86.4%	11,648	12,834	1,186	10.2%
87.7%	11,265	12,674	1,409	12.5%
88.9%	11,062	12,243	1,181	10.7%
90.1%	10,946	12,183	1,237	11.3%
91.4%	10,322	11,930	1,608	15.6%
92.6%	10,293	10,850	557	5.4%
93.8%	10,133	10,808	674	6.7%
95.1%	9,792	10,402	610	6.2%
96.3%	9,601	10,158	557	5.8%
97.5%	9,542	10,006	464	4.9%
98.8%	9,512	9,512	0	0.0%
100.0%	8,586	9,419	833	9.7%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,019	19,127	-892	-4.5%
1.2%	17,568	17,099	-469	-2.7%
2.5%	17,099	17,044	-55	-0.3%
3.7%	16,918	17,030	111	0.7%
4.9%	16,866	16,866	0	0.0%
6.2%	16,647	16,723	76	0.5%
7.4%	16,616	16,707	90	0.5%
8.6%	16,321	16,617	296	1.8%
9.9%	16,106	16,610	503	3.1%
11.1%	16,104	16,548	444	2.7%
12.3%	16,099	16,537	439	2.7%
13.6%	16,028	16,462	434	2.7%
14.8%	15,965	16,438	474	3.0%
16.0%	15,916	16,427	511	3.2%
17.3%	15,844	16,213	370	2.3%
18.5%	15,788	16,207	418	2.6%
19.8%	15,708	16,126	417	2.7%
21.0%	15,575	16,120	545	3.5%
22.2%	15,492	16,104	612	4.0%
23.5%	15,438	16,100	662	4.3%
24.7%	15,370	15,965	595	3.9%
25.9%	15,296	15,916	620	4.1%
27.2%	15,237	15,853	617	4.0%
28.4%	15,186	15,826	640	4.2%
29.6%	15,160	15,563	393	2.5%
30.9%	15,148	15,537	389	2.6%
32.1%	15,027	15,534	507	3.4%
33.3%	15,017	15,527	509	3.4%
34.6%	14,959	15,455	496	3.3%
35.8%	14,923	15,424	501	3.4%
37.0%	14,791	15,420	629	4.3%
38.3%	14,589	15,418	829	5.7%
39.5%	14,509	15,321	812	5.6%
40.7%	14,499	15,277	778	5.4%
42.0%	14,278	15,237	959	6.7%
43.2%	14,217	15,202	985	6.9%
44.4%	14,076	15,204	1,108	7.9%
45.7%	14,087	15,186	1,099	7.8%
46.9%	14,068	15,172	1,104	7.8%
48.1%	13,982	15,148	1,166	8.3%
49.4%	13,951	15,026	1,075	7.7%
50.6%	13,891	14,994	1,103	7.9%
51.9%	13,888	14,785	897	6.5%
53.1%	13,839	14,768	929	6.7%
54.3%	13,802	14,506	704	5.1%
55.6%	13,696	14,453	756	5.5%
56.8%	13,478	14,421	943	7.0%
58.0%	13,043	14,183	1,139	8.7%
59.3%	12,637	13,993	1,356	10.7%
60.5%	12,587	13,888	1,302	10.3%
61.7%	12,399	13,871	1,472	11.9%
63.0%	12,335	13,836	1,501	12.2%
64.2%	12,154	13,695	1,542	12.7%
65.4%	11,943	13,437	1,493	12.5%
66.7%	11,878	13,402	1,524	12.8%
67.9%	11,529	13,241	1,712	14.8%
69.1%	11,492	13,056	1,564	13.6%
70.4%	11,358	11,811	453	4.2%
71.6%	11,314	11,795	481	4.3%
72.8%	11,125	11,433	307	2.8%
74.1%	11,017	11,305	288	2.6%
75.3%	11,008	11,095	87	0.8%
76.5%	10,895	11,051	155	1.4%
77.8%	10,752	11,043	291	2.7%
7				

Figure SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

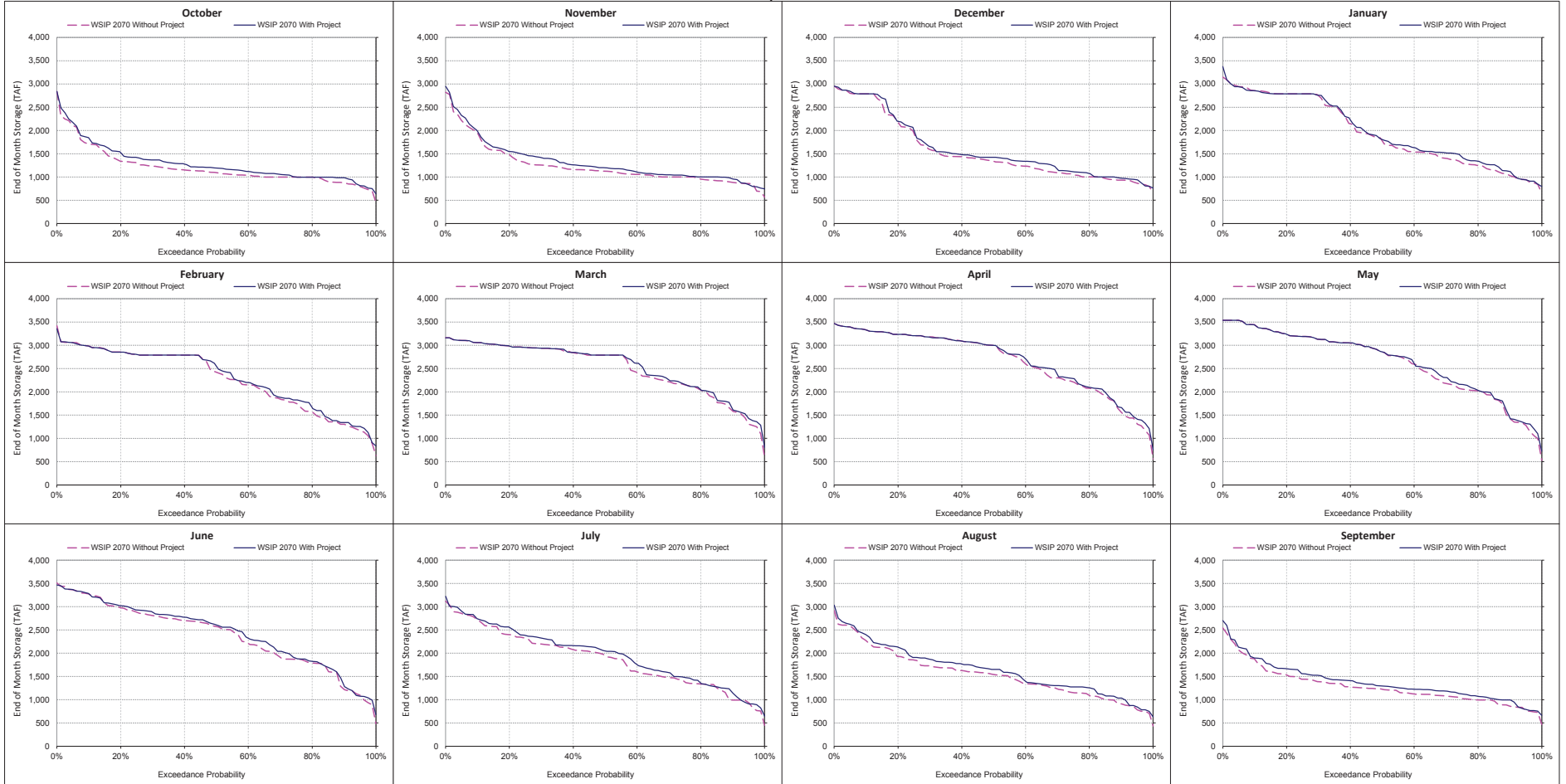


Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,839	0	0	0.0%
1.2%	2,323	2,483	160	6.9%
2.5%	2,250	2,383	133	5.9%
3.7%	2,212	2,250	38	1.7%
4.9%	2,108	2,176	68	3.2%
6.2%	2,072	2,095	22	1.1%
7.4%	1,805	1,892	87	4.8%
8.6%	1,741	1,869	128	7.3%
9.9%	1,711	1,844	134	7.8%
11.1%	1,702	1,730	28	1.6%
12.3%	1,694	1,672	22	1.3%
13.6%	1,611	1,684	73	4.6%
14.8%	1,549	1,572	23	1.5%
16.0%	1,457	1,621	165	11.3%
17.3%	1,425	1,561	136	9.5%
18.5%	1,386	1,568	171	12.4%
19.8%	1,342	1,547	204	15.2%
21.0%	1,330	1,446	116	8.7%
22.2%	1,328	1,451	103	7.7%
23.5%	1,316	1,426	110	8.4%
24.7%	1,314	1,423	109	8.3%
25.9%	1,262	1,407	145	11.5%
27.2%	1,261	1,381	120	9.5%
28.4%	1,247	1,375	128	10.3%
29.6%	1,234	1,368	135	10.9%
30.9%	1,231	1,368	137	11.2%
32.1%	1,215	1,366	150	12.4%
33.3%	1,204	1,331	127	10.5%
34.6%	1,192	1,315	124	10.4%
35.8%	1,177	1,306	129	10.9%
37.0%	1,167	1,294	127	10.9%
38.3%	1,158	1,289	131	11.3%
39.5%	1,156	1,288	132	11.4%
40.7%	1,147	1,263	116	10.1%
42.0%	1,138	1,219	80	7.0%
43.2%	1,132	1,217	85	7.5%
44.4%	1,131	1,216	85	7.5%
45.7%	1,130	1,215	85	7.5%
46.9%	1,115	1,208	92	8.3%
48.1%	1,103	1,204	101	9.2%
49.4%	1,101	1,197	96	8.7%
50.6%	1,087	1,189	102	9.4%
51.9%	1,070	1,183	113	10.6%
53.1%	1,067	1,168	101	9.5%
54.3%	1,057	1,164	107	10.1%
55.6%	1,052	1,158	107	10.1%
56.8%	1,043	1,149	106	10.2%
58.0%	1,043	1,139	96	9.2%
59.3%	1,040	1,122	83	7.9%
60.5%	1,037	1,115	78	7.5%
61.7%	1,018	1,100	82	8.0%
63.0%	1,018	1,091	73	7.2%
64.2%	1,004	1,086	82	8.2%
65.4%	999	1,079	80	8.0%
66.7%	999	1,075	76	7.6%
67.9%	998	1,074	75	7.5%
69.1%	998	1,066	68	6.8%
70.4%	998	1,052	54	5.4%
71.6%	998	1,045	47	4.7%
72.8%	998	1,040	42	4.2%
74.1%	998	1,010	12	1.2%
75.3%	998	998	0	0.0%
76.5%	998	998	0	0.0%
77.8%	998	998	0	0.0%
79.0%	998	998	0	0.0%
80.2%	998	998	0	0.0%
81.5%	976	998	21	2.2%
82.7%	973	998	25	2.5%
84.0%	929	998	69	7.4%
85.2%	897	998	101	11.2%
86.4%	889	998	109	12.2%
87.7%	885	998	109	11.4%
88.9%	885	983	98	11.1%
90.1%	874	982	108	12.4%
91.4%	851	954	104	12.2%
92.6%	846	940	93	11.0%
93.8%	825	855	30	3.6%
95.1%	796	812	16	2.0%
96.3%	761	806	45	5.9%
97.5%	729	761	32	4.3%
98.8%	457	651	44	6.3%
100.0%	701	745	193	42.8%

Percent Exceedance Probability (%)	November			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,821	2,946	125	4.4%
1.2%	2,820	2,776	45	1.6%
2.5%	2,401	2,512	111	4.6%
3.7%	2,352	2,453	101	4.3%
4.9%	2,220	2,324	104	4.7%
6.2%	2,128	2,267	139	6.5%
7.4%	2,067	2,139	73	3.5%
8.6%	2,014	2,067	52	2.6%
9.9%	1,968	2,001	33	1.7%
11.1%	1,797	1,856	59	3.3%
12.3%	1,658	1,760	102	6.2%
13.6%	1,597	1,706	109	6.8%
14.8%	1,578	1,644	66	4.2%
16.0%	1,576	1,637	61	3.9%
17.3%	1,571	1,613	42	2.6%
18.5%	1,507	1,590	83	5.5%
19.8%	1,494	1,548	54	3.6%
21.0%	1,423	1,546	123	8.6%
22.2%	1,368	1,528	160	11.7%
23.5%	1,339	1,506	166	12.4%
24.7%	1,318	1,486	168	12.7%
25.9%	1,282	1,458	176	13.7%
27.2%	1,268	1,452	184	14.5%
28.4%	1,280	1,436	156	13.9%
29.6%	1,234	1,424	165	13.4%
30.9%	1,255	1,402	147	11.7%
32.1%	1,240	1,400	160	12.9%
33.3%	1,239	1,392	153	12.3%
34.6%	1,223	1,365	142	11.6%
35.8%	1,212	1,311	99	8.2%
37.0%	1,191	1,308	117	9.8%
38.3%	1,169	1,276	107	9.1%
39.5%	1,166	1,264	97	8.4%
40.7%	1,160	1,259	99	8.6%
42.0%	1,150	1,250	99	8.6%
43.2%	1,157	1,239	82	7.0%
44.4%	1,148	1,238	90	7.8%
45.7%	1,148	1,231	83	7.2%
46.9%	1,138	1,219	81	7.1%
48.1%	1,134	1,204	70	6.2%
49.4%	1,127	1,200	73	6.5%
50.6%	1,124	1,199	75	6.7%
51.9%	1,117	1,184	67	6.0%
53.1%	1,110	1,180	70	6.3%
54.3%	1,089	1,179	91	8.3%
55.6%	1,073	1,171	98	9.1%
56.8%	1,065	1,152	87	8.2%
58.0%	1,062	1,139	77	7.2%
59.3%	1,057	1,120	63	5.9%
60.5%	1,056	1,100	44	4.2%
61.7%	1,051	1,087	36	3.5%
63.0%	1,043	1,077	34	3.3%
64.2%	1,042	1,077	34	3.3%
65.4%	1,016	1,064	48	4.8%
66.7%	1,009	1,055	46	4.6%
67.9%	1,001	1,055	54	5.3%
69.1%	1,001	1,046	45	4.5%
70.4%	1,001	1,045	44	4.4%
71.6%	1,001	1,043	42	4.2%
72.8%	1,001	1,040	39	3.9%
74.1%	1,001	1,040	39	3.9%
75.3%	1,001	1,028	26	2.6%
76.5%	1,000	1,013	13	1.3%
77.8%	1,000	1,012	12	1.2%
79.0%	972	1,002	30	3.1%
80.2%	953	1,001	48	5.0%
81.5%	941	1,001	60	6.4%
82.7%	933	1,001	68	7.3%
84.0%	928	1,001	73	7.8%
85.2%	920	1,001	80	8.7%
86.4%	918	999	80	8.7%
87.7%	910	997	87	9.6%
88.9%	896	984	87	9.7%
90.1%	885	973	87	9.7%
91.4%	872	943	70	8.1%
92.6%	866	878	12	1.4%
93.8%	861	862	1	0.2%
95.1%	859	838	-21	-2.4%
96.3%	855	794	-61	-7.1%
97.5%	837	793	-44	-5.3%
98.8%	688	762	74	10.7%
100.0%	569	744	175	30.8%

Percent Exceedance Probability (%)	December			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,956	2,955	-1	0.0%
1.2%	2,820	2,894	74	2.6%
2.5%	2,867	2,867	0	0.0%
3.7%	2,866	2,866	0	0.0%
4.9%	2,800	2,844	44	1.6%
6.2%	2,788	2,800	12	0.4%
7.4%	2,788	2,788	0	0.0%
8.6%	2,788	2,788	0	0.0%
9.9%	2,788	2,788	0	0.0%
11.1%	2,788	2,788	0	0.0%
12.3%	2,788	2,788	0	0.0%
13.6%	2,684	2,775	91	3.4%
14.8%	2,625	2,705	80	3.0%
16.0%	2,340	2,675	335	14.3%
17.3%	2,336	2,395	60	2.6%
18.5%	2,318	2,336	17	0.7%
19.8%	2,203	2,203	0	0.0%
21.0%	2,083	2,186	103	4.9%
22.2%	2,075	2,123	48	2.3%
23.5%	2,057	2,090	33	1.6%
24.7%	1,991	2,069	78	3.9%
25.9%	1,789	1,837	48	2.7%
27.2%	1,692	1,803	112	6.6%
28.4%	1,691	1,730	50	3.0%
29.6%	1,602	1,684	82	5.1%
30.9%	1,571	1,637	67	4.2%
32.1%	1,564	1,547	-17	-1.1%
33.3%	1,485	1,543	58	3.9%
34.6%	1,455	1,537	83	5.7%
35.8%	1,442	1,525	83	5.8%
37.0%	1,442	1,506	64	4.5%
38.3%	1,440	1,501	61	4.2%
39.5%	1,439	1,486	47	3.3%
40.7%	1,437	1,478	41	2.9%
42.0%	1,473	1,469	-4	-0.3%
43.2%	1,411	1,456	46	3.2%
44.4%	1,399	1,433	34	2.4%
45.7%	1,389	1,425	36	2.6%
46.9%	1,375	1,424	49	3.6%
48.1%	1,361	1,424	63	4.7%
49.4%	1,352	1,424	72	5.3%
50.6%	1,323	1,422	99	7.5%
51.9%	1,321	1,412	91	6.9%
53.1%	1,314	1,403	88	6.7%
54.3%	1,310	1,397	87	6.7%
55.6%	1,270	1,364	94	7.4%
56.8%	1,246	1,352	106	8.5%
58.0%	1,243	1,343	100	8.1%
59.3%	1,235	1,339	104	8.4%
60.5%	1,233	1,336	103	8.4%
61.7%	1,217	1,336	119	9.8%
63.0%	1,182	1,327	145	12.3%
64.2%	1,171	1,295	124	10.6%
65.4%	1,145	1,286	141	12.3%
66.7%	1,119	1,283	164	14.6%
67.9%	1,112	1,264	152	13.7%
69.1%	1,101	1,228	127	11.6%
70.4%	1,087	1,139	52	4.8%
71.6%	1,085	1,137	52	4.8%
72.8%	1,071	1,132	62	5.8%
74.1%	1,069	1,120	51	4.7%
75.3%	1,042	1,108	66	6.3%
76.5%	1,034	1,102	68	6.5%
77.8%	1,002	1,100	98	9.8%
79.0%	1,002	1,096	93	9.3%
80.2%	1,002	1,072	70	7.0%
81.5%	1,002	1,010	8	0.8%
82.7%	1,001	1,002	1	0.1%
84.0%	989	1,002	13	1.3%
85.2%	966	1,002	36	3.8%
86.4%	949	1,002	53	5.6%
87.7%	947	1,002	56	5.9%
88.9%	933	983	49	5.3%
90.1%	935	973	41	4.4%
91.4%	928	968	36	3.8%
92.6%	927	957	30	3.2%
93.8%	892	952	61	6.8%
95.1%	867	940	73	8.5%
96.3%	844	872	29	3.4%
97.5%	829	805	-28	-3.3%
98.8%	796	805	8	

Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,421	3,355	-65	-1.9%
1.2%	3,078	3,078	0	0.0%
2.5%	3,064	3,073	9	0.3%
3.7%	3,063	3,064	1	0.0%
4.9%	3,058	3,057	-1	0.0%
6.2%	3,057	3,031	-26	-0.8%
7.4%	3,009	3,009	0	0.0%
8.6%	2,997	2,997	0	0.0%
9.9%	2,987	2,987	0	0.0%
11.1%	2,952	2,952	0	0.0%
12.3%	2,951	2,951	0	0.0%
13.6%	2,950	2,941	-9	-0.3%
14.8%	2,925	2,925	0	0.0%
16.0%	2,890	2,890	0	0.0%
17.3%	2,856	2,856	0	0.0%
18.5%	2,856	2,995	0	0.0%
19.8%	2,856	2,856	0	0.0%
21.0%	2,853	2,853	0	0.0%
22.2%	2,832	2,832	0	0.0%
23.5%	2,813	2,813	0	0.0%
24.7%	2,806	2,954	0	0.0%
25.9%	2,788	2,788	0	0.0%
27.2%	2,788	2,788	0	0.0%
28.4%	2,788	2,788	0	0.0%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,787	0	0.0%
45.7%	2,711	2,696	-15	-0.6%
46.9%	2,648	2,685	37	1.4%
48.1%	2,485	2,662	177	8.0%
49.4%	2,437	2,612	175	7.2%
50.6%	2,404	2,489	85	3.5%
51.9%	2,374	2,446	72	3.0%
53.1%	2,298	2,426	128	5.6%
54.3%	2,267	2,412	146	6.4%
55.6%	2,263	2,274	11	0.5%
56.8%	2,263	2,243	-20	-0.9%
58.0%	2,160	2,229	69	3.2%
59.3%	2,150	2,203	53	2.5%
60.5%	2,149	2,199	50	2.3%
61.7%	2,143	2,159	16	0.8%
63.0%	2,088	2,128	41	2.0%
64.2%	2,044	2,116	72	3.5%
65.4%	2,008	2,097	91	4.5%
66.7%	1,903	2,063	160	8.4%
67.9%	1,878	1,934	56	3.0%
69.1%	1,868	1,894	26	1.4%
70.4%	1,834	1,877	43	2.3%
71.6%	1,825	1,860	35	1.9%
72.8%	1,780	1,859	79	4.4%
74.1%	1,778	1,826	49	2.7%
75.3%	1,744	1,826	82	4.7%
76.5%	1,656	1,805	149	9.0%
77.8%	1,584	1,779	194	12.3%
79.0%	1,581	1,768	187	11.8%
80.2%	1,556	1,639	83	5.3%
81.5%	1,483	1,597	113	7.6%
82.7%	1,450	1,596	146	10.0%
84.0%	1,440	1,471	30	2.1%
85.2%	1,356	1,440	84	6.2%
86.4%	1,356	1,383	28	2.0%
87.7%	1,355	1,381	26	1.9%
88.9%	1,304	1,343	39	3.0%
90.1%	1,304	1,341	37	2.8%
91.4%	1,262	1,339	77	6.1%
92.6%	1,238	1,288	30	2.4%
93.8%	1,203	1,258	55	4.6%
95.1%	1,169	1,253	84	7.2%
96.3%	1,133	1,218	86	7.6%
97.5%	1,055	1,122	66	6.3%
98.8%	895	905	10	1.1%
100.0%	631	807	206	32.6%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,162	3,162	0	0.0%
2.5%	3,120	3,120	0	0.0%
3.7%	3,105	3,112	7	0.2%
4.9%	3,105	3,105	0	0.0%
6.2%	3,103	3,105	2	0.1%
7.4%	3,095	3,096	0	0.0%
8.6%	3,063	3,063	0	0.0%
9.9%	3,059	3,059	0	0.0%
11.1%	3,057	3,057	0	0.0%
12.3%	3,036	3,036	0	0.0%
13.6%	3,028	3,028	0	0.0%
14.8%	3,027	3,027	0	0.0%
16.0%	3,018	3,018	0	0.0%
17.3%	2,999	2,999	0	0.0%
18.5%	2,995	2,995	0	0.0%
19.8%	2,988	2,988	0	0.0%
21.0%	2,964	2,964	0	0.0%
22.2%	2,964	2,964	0	0.0%
23.5%	2,964	2,964	0	0.0%
24.7%	2,954	2,954	0	0.0%
25.9%	2,951	2,951	0	0.0%
27.2%	2,944	2,944	0	0.0%
28.4%	2,943	2,943	0	0.0%
29.6%	2,937	2,937	0	0.0%
30.9%	2,936	2,936	0	0.0%
32.1%	2,936	2,936	0	0.0%
33.3%	2,927	2,928	1	0.0%
34.6%	2,922	2,927	5	0.2%
35.8%	2,918	2,922	4	0.1%
37.0%	2,879	2,918	39	1.4%
38.3%	2,878	2,854	-24	-0.8%
39.5%	2,847	2,848	1	0.1%
40.7%	2,833	2,847	14	0.5%
42.0%	2,817	2,833	16	0.6%
43.2%	2,817	2,817	0	0.0%
44.4%	2,788	2,817	29	1.0%
45.7%	2,788	2,788	0	0.0%
46.9%	2,788	2,788	0	0.0%
48.1%	2,788	2,788	0	0.0%
49.4%	2,788	2,788	0	0.0%
50.6%	2,788	2,788	0	0.0%
51.9%	2,788	2,788	0	0.0%
53.1%	2,788	2,788	0	0.0%
54.3%	2,788	2,788	0	0.0%
55.6%	2,781	2,788	7	0.2%
56.8%	2,687	2,729	42	1.6%
58.0%	2,466	2,692	226	9.1%
59.3%	2,436	2,621	185	7.6%
60.5%	2,403	2,612	209	8.7%
61.7%	2,338	2,535	197	8.4%
63.0%	2,334	2,366	32	1.4%
64.2%	2,314	2,359	45	1.9%
65.4%	2,294	2,349	55	2.4%
66.7%	2,268	2,344	76	3.3%
67.9%	2,253	2,335	82	3.6%
69.1%	2,227	2,302	74	3.3%
70.4%	2,211	2,239	28	1.3%
71.6%	2,179	2,237	58	2.7%
72.8%	2,173	2,224	51	2.3%
74.1%	2,172	2,184	12	0.6%
75.3%	2,145	2,154	9	0.4%
76.5%	2,126	2,115	-11	-0.5%
77.8%	2,118	2,110	-9	-0.4%
79.0%	2,076	2,108	33	1.6%
80.2%	2,031	2,032	2	0.1%
81.5%	2,015	2,026	12	0.6%
82.7%	1,915	2,004	89	4.6%
84.0%	1,881	1,979	98	5.2%
85.2%	1,768	1,814	46	2.6%
86.4%	1,762	1,804	42	2.4%
87.7%	1,738	1,799	61	3.5%
88.9%	1,658	1,777	120	7.2%
90.1%	1,579	1,611	32	2.0%
91.4%	1,560	1,589	29	1.9%
92.6%	1,528	1,557	29	1.9%
93.8%	1,446	1,531	86	5.9%
95.1%	1,303	1,426	122	9.4%
96.3%	1,277	1,382	105	8.2%
97.5%	1,222	1,248	26	2.1%
98.8%	1,100	1,285	184	16.8%
100.0%	601	807	206	34.2%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,430	3,430	0	0.0%
2.5%	3,413	3,411	-1	0.0%
3.7%	3,405	3,401	-4	0.0%
4.9%	3,396	3,396	0	0.0%
6.2%	3,366	3,366	0	0.0%
7.4%	3,354	3,354	0	0.0%
8.6%	3,352	3,352	0	0.0%
9.9%	3,334	3,334	0	0.0%
11.1%	3,303	3,303	0	0.0%
12.3%	3,292	3,298	6	0.2%
13.6%	3,292	3,292	0	0.0%
14.8%	3,292	3,292	0	0.0%
16.0%	3,281	3,281	0	0.0%
17.3%	3,270	3,270	0	0.0%
18.5%	3,238	3,238	0	0.0%
19.8%	3,236	3,236	0	0.0%
21.0%	3,235	3,235	0	0.0%
22.2%	3,234	3,234	0	0.0%
23.5%	3,218	3,218	0	0.0%
24.7%	3,209	3,208	-1	0.0%
25.9%	3,208	3,208	0	0.0%
27.2%	3,208	3,208	0	0.0%
28.4%	3,186	3,183	-3	-0.1%
29.6%	3,184	3,180	-4	-0.1%
30.9%	3,180	3,160	-20	-0.6%
32.1%	3,160	3,159	-1	0.0%
33.3%	3,159	3,159	-1	0.0%
34.6%	3,154	3,153	-1	0.0%
35.8%	3,131	3,131	-1	0.0%
37.0%	3,117	3,116	-1	0.0%
38.3%	3,115	3,098	-16	-0.5%
39.5%	3,099	3,096	-3	-0.1%
40.7%	3,082	3,081	-1	0.0%
42.0%	3,075	3,076	1	0.0%
43.2%	3,061	3,068	8	0.3%
44.4%	3,060	3,059	-1	0.0%
45.7%	3,043	3,042	-1	0.0%
46.9%	3,017	3,016	-1	0.0%
48.1%	3,005	3,007	2	0.1%
49.4%	3,001	3,000	-1	0.0%
50.6%	2,998	2,997	-1	0.0%
51.9%	2,889	2,927	38	1.3%
53.1%	2,827	2,888	61	2.2%
54.3%	2,812	2,827	15	0.5%
55.6%	2,801	2,809	8	0.3%
56.8%	2,761	2,807	46	1.7%
58.0%	2,738	2,802	65	2.4%
59.3%	2,644	2,757	113	4.3%
60.5%	2,572	2,678	106	4.1%
61.7%	2,549	2,558	9	0.4%
63.0%	2,522	2,522	0	0.0%
64.2%	2,497	2,528	31	1.2%
65.4%	2,454	2,522	68	2.8%
66.7%	2,365	2,511	146	6.2%
67.9%	2,303	2,497	194	8.4%
69.1%	2,301	2,482	181	7.9%
70.4%	2,300	2,325	25	1.1%
71.6%	2,277	2,322	45	2.0%
72.8%	2,234	2,308	74	3.3%
74.1%	2,233	2,294	61	2.7%
75.3%	2,204	2,283	79	3.6%
76.5%	2,151	2,174	23	1.1%
77.8%	2,125	2,143	18	0.8%
79.0%	2,080	2,110	30	1.4%
80.2%	2,074	2,094	20	0.9%
81.5%	2,058	2,076	18	0.9%
82.7%	2,013	2,072	59	2.9%
84.0%	1,953	2,059	105	5.4%
85.2%	1,911	1,976	65	3.4%
86.4%	1,838	1,873	35	1.9%
87.7%	1,808	1,817	9	0.5%
88.9%	1,648	1,680	31	1.9%
90.1%	1,553	1,653	110	7.1%
91.4%	1,477	1,562	85	5.7%
92.6%	1,438	1,557	120	8.3%
93.8%	1,437	1,465	28	1.9%
95.1%	1,306	1,410	104	8.0%
96.3%	1,270	1,391	121	9.5%
97.5%	1,172	1,284	112	9.5%
98.8%	1,066	1,209		

Table SW-18-b  
Lake Oroville, End of Month Storage  
Probability of Exceedance

Percent Exceedance Probability (%)	June			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,509	3,468	-41	-1.2%
1.2%	3,440	3,448	9	0.3%
2.5%	3,437	3,379	-58	-1.7%
3.7%	3,370	3,377	6	0.2%
4.9%	3,365	3,367	2	0.1%
6.2%	3,339	3,337	-2	-0.1%
7.4%	3,295	3,329	34	1.0%
8.6%	3,292	3,304	13	0.4%
9.9%	3,275	3,285	10	0.3%
11.1%	3,235	3,210	-26	-0.8%
12.3%	3,231	3,204	-27	-0.8%
13.6%	3,203	3,185	-18	-0.5%
14.8%	3,083	3,084	1	0.0%
16.0%	3,022	3,078	56	1.9%
17.3%	3,018	3,063	45	1.5%
18.5%	3,002	3,046	44	1.5%
19.8%	2,982	3,019	37	1.2%
21.0%	2,966	3,015	49	1.7%
22.2%	2,924	3,001	77	2.6%
23.5%	2,921	2,964	43	1.5%
24.7%	2,889	2,929	40	1.4%
25.9%	2,857	2,926	69	2.4%
27.2%	2,853	2,919	65	2.3%
28.4%	2,830	2,905	75	2.7%
29.6%	2,814	2,899	85	3.0%
30.9%	2,799	2,846	46	1.7%
32.1%	2,787	2,834	47	1.7%
33.3%	2,764	2,831	67	2.4%
34.6%	2,748	2,828	80	2.9%
35.8%	2,746	2,916	70	2.6%
37.0%	2,740	2,796	56	2.0%
38.3%	2,716	2,792	76	2.8%
39.5%	2,704	2,778	74	2.7%
40.7%	2,697	2,771	74	2.7%
42.0%	2,691	2,743	52	1.9%
43.2%	2,688	2,733	45	1.7%
44.4%	2,673	2,720	47	1.8%
45.7%	2,656	2,719	63	2.4%
46.9%	2,642	2,679	38	1.4%
48.1%	2,605	2,648	42	1.6%
49.4%	2,590	2,620	30	1.1%
50.6%	2,564	2,595	31	1.2%
51.9%	2,519	2,561	42	1.7%
53.1%	2,508	2,558	50	2.0%
54.3%	2,505	2,557	52	2.1%
55.6%	2,446	2,528	82	3.4%
56.8%	2,396	2,477	81	3.4%
58.0%	2,255	2,465	210	9.3%
59.3%	2,238	2,350	112	5.0%
60.5%	2,188	2,301	112	5.1%
61.7%	2,183	2,279	96	4.4%
63.0%	2,162	2,276	113	5.2%
64.2%	2,098	2,259	161	7.7%
65.4%	2,046	2,249	203	9.9%
66.7%	2,039	2,184	144	7.1%
67.9%	2,011	2,129	118	5.9%
69.1%	1,955	2,042	87	4.5%
70.4%	1,903	2,040	147	7.7%
71.6%	1,874	2,012	138	7.3%
72.8%	1,873	1,989	116	6.2%
74.1%	1,871	1,913	42	2.3%
75.3%	1,866	1,890	14	0.7%
76.5%	1,865	1,873	8	0.4%
77.8%	1,834	1,872	39	2.1%
79.0%	1,794	1,834	39	2.2%
80.2%	1,789	1,825	37	2.0%
81.5%	1,783	1,817	34	1.9%
82.7%	1,780	1,769	-10	-0.6%
84.0%	1,743	1,727	-16	-0.9%
85.2%	1,603	1,692	90	5.6%
86.4%	1,591	1,653	62	3.9%
87.7%	1,588	1,601	13	0.8%
88.9%	1,290	1,472	182	14.1%
90.1%	1,215	1,262	67	5.5%
91.4%	1,191	1,228	37	3.1%
92.6%	1,186	1,197	11	0.9%
93.8%	1,128	1,095	-33	-2.9%
95.1%	1,095	1,077	-18	-1.7%
96.3%	993	1,067	74	7.4%
97.5%	895	1,041	146	16.3%
98.8%	893	992	100	11.2%
100.0%	485	682	197	40.6%

Percent Exceedance Probability (%)	July			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,219	100	3.2%
1.2%	3,037	3,012	-25	-0.8%
2.5%	2,891	3,002	111	3.8%
3.7%	2,881	2,989	108	3.7%
4.9%	2,858	2,910	51	1.8%
6.2%	2,818	2,836	18	0.6%
7.4%	2,815	2,833	17	0.6%
8.6%	2,795	2,832	46	1.6%
9.9%	2,726	2,741	15	0.6%
11.1%	2,665	2,711	46	1.7%
12.3%	2,591	2,691	101	3.9%
13.6%	2,587	2,642	55	2.1%
14.8%	2,576	2,629	54	2.1%
16.0%	2,572	2,629	57	2.2%
17.3%	2,430	2,577	147	6.0%
18.5%	2,408	2,567	160	6.6%
19.8%	2,401	2,565	164	6.8%
21.0%	2,395	2,514	119	5.0%
22.2%	2,347	2,455	108	4.5%
23.5%	2,346	2,395	49	2.1%
24.7%	2,329	2,385	57	2.4%
25.9%	2,303	2,358	62	2.7%
27.2%	2,214	2,358	144	6.5%
28.4%	2,205	2,309	144	6.5%
29.6%	2,201	2,328	127	5.8%
30.9%	2,190	2,316	127	5.8%
32.1%	2,181	2,294	113	5.2%
33.3%	2,169	2,286	117	5.4%
34.6%	2,168	2,178	11	0.5%
35.8%	2,133	2,174	41	1.9%
37.0%	2,124	2,167	44	2.1%
38.3%	2,115	2,165	50	2.4%
39.5%	2,085	2,163	79	3.8%
40.7%	2,065	2,160	96	4.6%
42.0%	2,061	2,158	97	4.7%
43.2%	2,051	2,153	102	5.0%
44.4%	2,046	2,141	95	4.6%
45.7%	2,028	2,135	107	5.3%
46.9%	2,017	2,126	108	5.4%
48.1%	2,000	2,089	89	4.5%
49.4%	1,977	2,059	81	4.1%
50.6%	1,920	2,041	121	6.3%
51.9%	1,910	2,038	128	6.7%
53.1%	1,884	2,035	151	8.0%
54.3%	1,880	1,994	114	6.1%
55.6%	1,861	1,963	122	6.6%
56.8%	1,734	1,934	200	11.5%
58.0%	1,618	1,876	258	15.9%
59.3%	1,617	1,792	175	10.8%
60.5%	1,589	1,734	146	9.2%
61.7%	1,563	1,709	146	9.3%
63.0%	1,553	1,679	126	8.1%
64.2%	1,540	1,661	121	7.8%
65.4%	1,528	1,637	109	7.1%
66.7%	1,518	1,628	110	7.2%
67.9%	1,496	1,606	111	7.4%
69.1%	1,482	1,594	112	7.6%
70.4%	1,473	1,580	106	7.2%
71.6%	1,469	1,500	31	2.1%
72.8%	1,439	1,495	57	3.9%
74.1%	1,431	1,492	60	4.2%
75.3%	1,368	1,475	107	7.8%
76.5%	1,352	1,465	112	8.3%
77.8%	1,348	1,425	77	5.7%
79.0%	1,343	1,419	75	5.6%
80.2%	1,337	1,342	5	0.4%
81.5%	1,334	1,334	0	0.0%
82.7%	1,329	1,304	-24	-1.8%
84.0%	1,327	1,298	-40	-3.0%
85.2%	1,247	1,274	28	2.2%
86.4%	1,203	1,252	49	4.1%
87.7%	1,158	1,245	87	7.5%
88.9%	998	1,234	237	23.7%
90.1%	892	1,137	245	27.6%
91.4%	892	1,057	65	6.6%
92.6%	892	991	-1	-0.1%
93.8%	991	944	-47	-4.8%
95.1%	933	910	-23	-2.5%
96.3%	824	910	86	10.4%
97.5%	805	892	125	15.5%
98.8%	758	823	65	8.5%
100.0%	452	648	196	43.4%

Percent Exceedance Probability (%)	August			
	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,917	3,030	114	3.9%
1.2%	2,824	2,754	-131	-4.6%
2.5%	2,605	2,678	74	2.8%
3.7%	2,603	2,645	42	1.6%
4.9%	2,589	2,620	31	1.2%
6.2%	2,521	2,586	65	2.6%
7.4%	2,448	2,476	27	1.1%
8.6%	2,331	2,441	110	4.7%
9.9%	2,276	2,402	126	5.5%
11.1%	2,200	2,345	145	6.6%
12.3%	2,135	2,229	94	4.4%
13.6%	2,127	2,208	81	3.8%
14.8%	2,124	2,189	64	3.0%
16.0%	2,123	2,182	59	2.8%
17.3%	2,096	2,157	60	2.9%
18.5%	2,051	2,149	98	4.8%
19.8%	1,931	2,135	203	10.5%
21.0%	1,926	2,105	179	9.3%
22.2%	1,897	2,070	173	9.1%
23.5%	1,859	1,953	94	5.1%
24.7%	1,857	1,907	50	2.7%
25.9%	1,844	1,906	62	3.4%
27.2%	1,739	1,900	161	9.3%
28.4%	1,730	1,898	168	9.7%
29.6%	1,684	1,873	144	8.3%
30.9%	1,709	1,858	149	8.7%
32.1%	1,699	1,823	124	7.3%
33.3%	1,688	1,815	127	7.5%
34.6%	1,688	1,805	117	7.0%
35.8%	1,684	1,805	121	7.2%
37.0%	1,681	1,798	117	7.0%
38.3%	1,631	1,778	148	9.1%
39.5%	1,629	1,775	146	9.0%
40.7%	1,620	1,755	134	8.3%
42.0%	1,602	1,752	150	9.4%
43.2%	1,602	1,743	141	8.8%
44.4%	1,596	1,706	110	6.9%
45.7%	1,585	1,690	105	6.6%
46.9%	1,580	1,678	97	6.2%
48.1%	1,570	1,667	97	6.2%
49.4%	1,549	1,654	105	6.8%
50.6%	1,535	1,653	118	7.7%
51.9%	1,529	1,651	121	7.9%
53.1%	1,519	1,589	71	4.7%
54.3%	1,518	1,587	69	4.5%
55.6%	1,457	1,577	120	8.2%
56.8%	1,435	1,561	126	8.8%
58.0%	1,398	1,518	120	8.6%
59.3%	1,350	1,437	87	6.5%
60.5%	1,343	1,371	28	2.1%
61.7%	1,337	1,365	28	2.1%
63.0%	1,334	1,356	21	1.6%
64.2%	1,325	1,344	20	1.5%
65.4%	1,308	1,333	25	1.9%
66.7%	1,293	1,323	30	2.3%
67.9%	1,257	1,307	50	4.0%
69.1%	1,255	1,303	48	3.8%
70.4%	1,223	1,301	78	6.4%
71.6%	1,211	1,298	87	7.2%
72.8%	1,182	1,290	108	9.1%
74.1%	1,161	1,276	114	9.8%
75.3%	1,149	1,275	127	11.0%
76.5%	1,145	1,275	130	11.3%
77.8%	1,143	1,274	131	11.5%
79.0%	1,133	1,262	130	11.5%
80.2%	1,083	1,255	172	15.9%
81.5%	1,079	1,232	153	14.2%
82.7%	1,067	1,127	60	5.6%
84.0%	1,028	1,121	93	9.0%
85.2%	1,004	1,084	79	7.9%
86.4%	996	1,081	85	8.6%
87.7%	992	1,076	84	8.5%
88.9%	920	1,036	116	12.6%
90.1%	895	1,035	139	15.5%
91.4%	882	992	110	12.4%
92.6%	871	875	3	0.4%
93.8%	855	874	19	2.3%
95.1%	782	842	60	7

**Figure SW-19-b**  
**Lake Oroville, End of Month Elevation**  
**Probability of Exceedance**

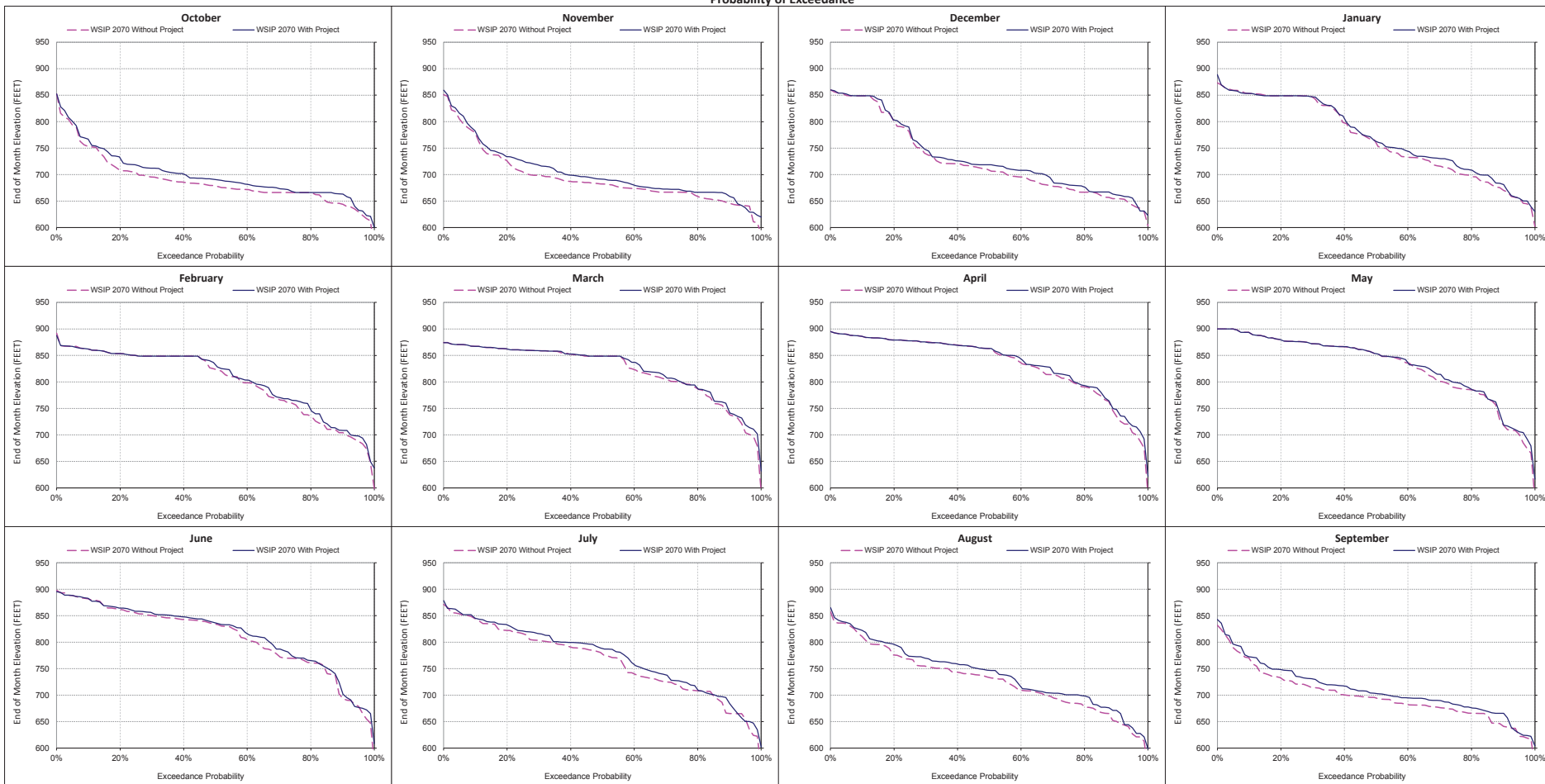


Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	852	852	0	0.0%
1.2%	816	828	12	1.5%
2.5%	809	821	13	1.6%
3.7%	805	809	4	0.5%
4.9%	794	801	7	0.9%
6.2%	790	793	2	0.3%
7.4%	763	772	9	1.2%
8.6%	756	769	13	1.7%
9.9%	753	767	14	1.8%
11.1%	752	755	3	0.4%
12.3%	751	754	3	0.3%
13.6%	742	750	9	1.2%
14.8%	734	749	15	2.0%
16.0%	723	743	20	2.8%
17.3%	719	736	17	2.3%
18.5%	714	735	21	2.9%
19.8%	709	734	25	3.5%
21.0%	707	721	14	2.0%
22.2%	707	720	13	1.8%
23.5%	706	719	13	1.9%
24.7%	705	719	13	1.9%
25.9%	699	717	18	2.5%
27.2%	699	713	15	2.1%
28.4%	697	713	16	2.3%
29.6%	696	712	16	2.4%
30.9%	695	712	17	2.4%
32.1%	693	712	18	2.6%
33.3%	692	707	15	2.2%
34.6%	690	706	15	2.2%
35.8%	689	704	16	2.3%
37.0%	687	703	15	2.3%
38.3%	686	702	16	2.3%
39.5%	686	702	16	2.3%
40.7%	685	699	14	2.1%
42.0%	684	694	10	1.4%
43.2%	684	694	10	1.4%
44.4%	683	693	10	1.5%
45.7%	683	693	10	1.5%
46.9%	681	692	11	1.7%
48.1%	680	692	12	1.8%
49.4%	679	691	12	1.7%
50.6%	678	690	12	1.8%
51.9%	676	689	14	2.0%
53.1%	675	688	12	1.8%
54.3%	674	687	13	1.9%
55.6%	673	686	13	1.9%
56.8%	672	685	13	1.9%
58.0%	672	684	12	1.7%
59.3%	672	682	10	1.5%
60.5%	672	681	9	1.4%
61.7%	669	679	10	1.5%
63.0%	669	678	9	1.3%
64.2%	667	678	10	1.5%
65.4%	666	677	10	1.5%
66.7%	666	676	10	1.5%
67.9%	666	676	10	1.5%
69.1%	666	675	9	1.3%
70.4%	666	673	7	1.1%
71.6%	666	673	7	0.9%
72.8%	666	672	6	0.9%
74.1%	666	668	2	0.3%
75.3%	666	666	0	0.0%
76.5%	666	666	0	0.0%
77.8%	666	666	0	0.0%
79.0%	666	666	0	0.0%
80.2%	666	666	0	0.0%
81.5%	662	666	4	0.6%
82.7%	662	666	4	0.7%
84.0%	654	666	12	1.9%
85.2%	648	666	18	2.8%
86.4%	647	666	20	3.0%
87.7%	646	664	18	2.8%
88.9%	646	664	18	2.7%
90.1%	644	663	19	3.0%
91.4%	640	658	19	3.0%
92.6%	639	656	17	2.6%
93.8%	635	642	5	0.9%
95.1%	630	633	3	0.5%
96.3%	623	631	9	1.4%
97.5%	617	623	6	1.0%
98.8%	613	621	8	1.4%
100.0%	610	601	41	7.4%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	851	860	9	1.0%
1.2%	848	851	3	0.4%
2.5%	822	830	8	0.9%
3.7%	819	826	7	0.8%
4.9%	805	810	11	1.3%
6.2%	796	810	14	1.8%
7.4%	790	797	7	0.9%
8.6%	784	790	5	0.7%
9.9%	780	783	3	0.4%
11.1%	762	768	6	0.8%
12.3%	747	746	8	1.1%
13.6%	740	753	13	1.7%
14.8%	738	746	8	1.1%
16.0%	737	745	7	1.0%
17.3%	737	742	5	0.7%
18.5%	729	739	10	1.4%
19.8%	727	734	7	0.9%
21.0%	719	734	15	2.1%
22.2%	712	721	19	2.7%
23.5%	708	729	20	2.9%
24.7%	706	726	21	2.9%
25.9%	701	723	21	3.1%
27.2%	700	722	23	3.2%
28.4%	699	720	21	3.1%
29.6%	699	719	20	2.9%
30.9%	698	716	18	2.6%
32.1%	696	716	20	2.8%
33.3%	696	715	19	2.7%
34.6%	694	712	17	2.5%
35.8%	693	705	12	1.7%
37.0%	690	705	14	2.1%
38.3%	688	701	13	1.9%
39.5%	687	699	12	1.7%
40.7%	686	699	12	1.8%
42.0%	686	698	11	1.6%
43.2%	686	696	10	1.5%
44.4%	685	696	11	1.6%
45.7%	685	695	10	1.5%
46.9%	684	694	10	1.4%
48.1%	683	692	9	1.2%
49.4%	682	691	9	1.3%
50.6%	682	691	9	1.3%
51.9%	681	690	8	1.2%
53.1%	680	689	9	1.3%
54.3%	678	689	11	1.6%
55.6%	676	688	12	1.8%
56.8%	675	686	11	1.6%
58.0%	675	684	9	1.4%
59.3%	674	682	8	1.1%
60.5%	674	679	5	0.8%
61.7%	673	678	4	0.7%
63.0%	672	676	4	0.6%
64.2%	672	676	4	0.6%
65.4%	669	675	6	0.9%
66.7%	668	674	6	0.8%
67.9%	667	674	7	1.0%
69.1%	667	673	6	0.9%
70.4%	667	673	6	0.9%
71.6%	667	672	5	0.8%
72.8%	667	672	5	0.8%
74.1%	667	672	5	0.8%
75.3%	667	670	4	0.5%
76.5%	667	669	2	0.3%
77.8%	667	668	2	0.3%
79.0%	661	667	5	0.8%
80.2%	658	667	9	1.3%
81.5%	656	667	11	1.6%
82.7%	655	667	12	1.9%
84.0%	654	667	13	2.0%
85.2%	652	667	14	2.2%
86.4%	652	666	14	2.2%
87.7%	650	666	16	2.4%
88.9%	648	664	16	2.4%
90.1%	646	659	13	2.0%
91.4%	644	656	13	2.0%
92.6%	642	645	2	0.3%
93.8%	642	642	0	0.0%
95.1%	641	637	-4	-0.6%
96.3%	640	629	-11	-1.8%
97.5%	631	629	-2	-0.3%
98.8%	609	623	14	2.3%
100.0%	587	620	33	5.6%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	860	860	0	0.0%
1.2%	856	858	2	0.3%
2.5%	854	854	0	0.0%
3.7%	854	854	0	0.0%
4.9%	850	853	3	0.4%
6.2%	849	850	1	0.1%
7.4%	849	849	0	0.0%
8.6%	849	849	0	0.0%
9.9%	849	849	0	0.0%
11.1%	849	849	0	0.0%
12.3%	849	849	0	0.0%
13.6%	842	848	6	0.7%
14.8%	838	843	5	0.7%
16.0%	818	841	23	2.8%
17.3%	817	822	5	0.6%
18.5%	816	817	2	0.2%
19.8%	804	804	0	0.0%
21.0%	791	802	11	1.3%
22.2%	791	795	5	0.6%
23.5%	789	792	3	0.4%
24.7%	782	790	8	1.0%
25.9%	761	766	5	0.6%
27.2%	751	763	11	1.5%
28.4%	750	755	5	0.7%
29.6%	740	748	8	1.0%
30.9%	737	746	8	1.1%
32.1%	736	734	-2	-0.3%
33.3%	726	733	7	1.0%
34.6%	723	733	10	1.4%
35.8%	721	731	10	1.4%
37.0%	721	729	8	1.1%
38.3%	721	728	7	1.0%
39.5%	721	726	6	0.8%
40.7%	720	725	5	0.7%
42.0%	717	725	7	1.0%
43.2%	717	723	6	0.8%
44.4%	716	720	4	0.6%
45.7%	715	719	4	0.6%
46.9%	713	719	6	0.8%
48.1%	711	719	8	1.1%
49.4%	710	719	9	1.2%
50.6%	706	719	12	1.7%
51.9%	706	717	11	1.6%
53.1%	705	716	11	1.5%
54.3%	705	715	11	1.5%
55.6%	700	711	11	1.6%
56.8%	697	710	13	1.9%
58.0%	697	709	12	1.8%
59.3%	696	708	13	1.8%
60.5%	695	708	13	1.8%
61.7%	693	708	14	2.1%
63.0%	689	707	18	2.6%
64.2%	688	705	17	2.5%
65.4%	685	702	17	2.5%
66.7%	682	702	20	2.9%
67.9%	681	699	19	2.7%
69.1%	679	695	16	2.3%
70.4%	678	684	6	0.9%
71.6%	677	684	6	0.9%
72.8%	676	683	6	1.1%
74.1%	675	682	5	0.9%
75.3%	672	680	8	1.2%
76.5%	671	679	8	1.2%
77.8%	667	679	12	1.8%
79.0%	667	679	12	1.8%
80.2%	667	676	9	1.3%
81.5%	667	668	1	0.2%
82.7%	667	667	0	0.0%
84.0%	665	667	2	0.4%
85.2%	660	667	7	1.0%
86.4%	657	667	10	1.5%
87.7%	657	667	10	1.5%
88.9%	655	663	9	1.4%
90.1%	654	662	7	1.1%
91.4%	654	661	6	1.0%
92.6%	653	659	5	0.8%
93.8%	647	658	11	1.7%
95.1%	643	656	13	2.1%
96.3%	639	644	5	0.8%
97.5%	631	645	14	2.2%
98.8%	630	631	2	0.2%
100.0%	603	623	20	3.3%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	869	-4	-0.5%
1.2%	869	869	0	0.0%
2.5%	864	864	0	0.0%
3.7%	861	859	-2	-0.2%
4.9%	859	859	0	0.0%
6.2%	859	858	-1	-0.1%
7.4%	858	854	-4	-0.4%
8.6%	854	853	-1	-0.1%
9.9%	853	853	0	0.0%
11.1%	853	853	-1	-0.1%
12.3%	853	851	-2	-0.2%
13.6%	852	850	-2	-0.2%
14.8%	850	849	-1	-0.1%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%



Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

February					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	892	887	-4	-0.5%	
1.2%	869	869	0	0.0%	
2.5%	868	868	1	0.1%	
3.7%	868	868	0	0.0%	
4.9%	867	867	0	0.0%	
6.2%	867	865	-2	-0.2%	
7.4%	864	864	0	0.0%	
8.6%	863	863	0	0.0%	
9.9%	862	862	0	0.0%	
11.1%	860	860	0	0.0%	
12.3%	860	860	0	0.0%	
13.6%	860	859	-1	-0.1%	
14.8%	858	858	0	0.0%	
16.0%	856	856	0	0.0%	
17.3%	853	853	0	0.0%	
18.5%	853	853	0	0.0%	
19.8%	853	853	0	0.0%	
21.0%	853	853	0	0.0%	
22.2%	852	852	0	0.0%	
23.5%	850	850	0	0.0%	
24.7%	850	850	0	0.0%	
25.9%	849	849	0	0.0%	
27.2%	849	849	0	0.0%	
28.4%	849	849	0	0.0%	
29.6%	849	849	0	0.0%	
30.9%	849	849	0	0.0%	
32.1%	849	849	0	0.0%	
33.3%	849	849	0	0.0%	
34.6%	849	849	0	0.0%	
35.8%	849	849	0	0.0%	
37.0%	849	849	0	0.0%	
38.3%	849	849	0	0.0%	
39.5%	849	849	0	0.0%	
40.7%	849	849	0	0.0%	
42.0%	849	849	0	0.0%	
43.2%	849	849	0	0.0%	
44.4%	849	849	0	0.0%	
45.7%	844	842	-1	-0.1%	
46.9%	839	842	3	0.3%	
48.1%	827	840	13	1.6%	
49.4%	825	837	12	1.4%	
50.6%	823	828	6	0.7%	
51.9%	821	825	5	0.6%	
53.1%	813	824	11	1.3%	
54.3%	810	823	13	1.6%	
55.6%	810	811	1	0.1%	
56.8%	810	808	-2	-0.3%	
58.0%	799	806	7	0.9%	
59.3%	798	804	5	0.7%	
60.5%	798	803	5	0.6%	
61.7%	798	799	2	0.2%	
63.0%	792	796	4	0.5%	
64.2%	787	795	7	0.9%	
65.4%	783	793	9	1.2%	
66.7%	810	773	-16	-2.1%	
67.9%	770	776	6	0.7%	
69.1%	769	772	3	0.3%	
70.4%	766	770	4	0.6%	
71.6%	765	768	4	0.5%	
72.8%	760	768	8	1.1%	
74.1%	760	765	5	0.7%	
75.3%	757	765	8	1.1%	
76.5%	747	763	16	2.1%	
77.8%	738	760	22	3.0%	
79.0%	738	759	21	2.9%	
80.2%	735	745	10	1.4%	
81.5%	726	740	14	1.9%	
82.7%	722	740	18	2.5%	
84.0%	721	724	4	0.5%	
85.2%	711	721	10	1.4%	
86.4%	710	714	3	0.5%	
87.7%	710	714	3	0.5%	
88.9%	704	709	5	0.7%	
90.1%	704	709	4	0.6%	
91.4%	699	708	9	1.4%	
92.6%	696	700	4	0.5%	
93.8%	692	698	7	1.0%	
95.1%	688	698	10	1.5%	
96.3%	683	694	10	1.5%	
97.5%	674	682	8	1.2%	
98.8%	648	649	2	0.3%	
100.0%	598	637	39	6.5%	

March					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	874	874	0	0.0%	
1.2%	874	874	0	0.0%	
2.5%	871	871	0	0.0%	
3.7%	870	871	0	0.1%	
4.9%	870	870	0	0.0%	
6.2%	870	870	0	0.0%	
7.4%	870	870	0	0.0%	
8.6%	868	868	0	0.0%	
9.9%	867	867	0	0.0%	
11.1%	867	867	0	0.0%	
12.3%	866	866	0	0.0%	
13.6%	865	865	0	0.0%	
14.8%	865	865	0	0.0%	
16.0%	864	864	0	0.0%	
17.3%	863	863	0	0.0%	
18.5%	863	863	0	0.0%	
19.8%	862	862	0	0.0%	
21.0%	861	861	0	0.0%	
22.2%	861	861	0	0.0%	
23.5%	861	861	0	0.0%	
24.7%	860	860	0	0.0%	
25.9%	860	860	0	0.0%	
27.2%	859	859	0	0.0%	
28.4%	859	859	0	0.0%	
29.6%	859	859	0	0.0%	
30.9%	859	859	0	0.0%	
32.1%	859	859	0	0.0%	
33.3%	858	858	0	0.0%	
34.6%	858	858	0	0.0%	
35.8%	858	858	0	0.0%	
37.0%	855	858	3	0.3%	
38.3%	855	853	-2	-0.2%	
39.5%	853	853	0	0.0%	
40.7%	852	853	1	0.1%	
42.0%	851	852	1	0.1%	
43.2%	851	851	0	0.0%	
44.4%	849	851	2	0.2%	
45.7%	849	849	0	0.0%	
46.9%	849	849	0	0.0%	
48.1%	849	849	0	0.0%	
49.4%	849	849	0	0.0%	
50.6%	849	849	0	0.0%	
51.9%	849	849	0	0.0%	
53.1%	849	849	0	0.0%	
54.3%	849	849	0	0.0%	
55.6%	848	849	0	0.1%	
56.8%	842	845	3	0.3%	
58.0%	827	842	15	1.9%	
59.3%	825	837	13	1.5%	
60.5%	822	837	14	1.7%	
61.7%	818	831	14	1.7%	
63.0%	817	820	3	0.3%	
64.2%	815	819	4	0.5%	
65.4%	813	819	6	0.7%	
66.7%	810	818	8	1.0%	
67.9%	809	817	8	1.0%	
69.1%	806	814	8	0.9%	
70.4%	805	807	3	0.4%	
71.6%	801	807	6	0.7%	
72.8%	801	806	5	0.7%	
74.1%	800	802	1	0.2%	
75.3%	798	799	1	0.1%	
76.5%	796	795	-1	-0.1%	
77.8%	795	794	-1	-0.1%	
79.0%	791	794	3	0.4%	
80.2%	786	786	0	0.0%	
81.5%	784	786	1	0.2%	
82.7%	774	783	9	1.2%	
84.0%	771	781	10	1.3%	
85.2%	759	764	5	0.6%	
86.4%	758	763	4	0.6%	
87.7%	756	762	6	0.8%	
88.9%	747	760	13	1.7%	
90.1%	738	742	4	0.5%	
91.4%	735	739	4	0.5%	
92.6%	731	735	4	0.5%	
93.8%	721	732	10	1.5%	
95.1%	704	719	15	2.1%	
96.3%	701	714	13	1.8%	
97.5%	697	711	13	1.9%	
98.8%	679	702	23	3.3%	
100.0%	593	632	39	6.5%	

April					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	895	895	0	0.0%	
1.2%	893	893	0	0.0%	
2.5%	891	891	0	0.0%	
3.7%	891	891	0	0.0%	
4.9%	890	890	0	0.0%	
6.2%	888	888	0	0.0%	
7.4%	887	887	0	0.0%	
8.6%	887	887	0	0.0%	
9.9%	886	886	0	0.0%	
11.1%	884	884	0	0.0%	
12.3%	884	884	0	0.0%	
13.6%	883	883	0	0.0%	
14.8%	883	883	0	0.0%	
16.0%	882	882	0	0.0%	
17.3%	882	882	0	0.0%	
18.5%	879	879	0	0.0%	
19.8%	879	879	0	0.0%	
21.0%	879	879	0	0.0%	
22.2%	879	879	0	0.0%	
23.5%	878	878	0	0.0%	
24.7%	877	877	0	0.0%	
25.9%	877	877	0	0.0%	
27.2%	877	877	0	0.0%	
28.4%	876	876	0	0.0%	
29.6%	876	876	0	0.0%	
30.9%	876	874	-1	-0.2%	
32.1%	874	874	0	0.0%	
33.3%	874	874	0	0.0%	
34.6%	874	874	0	0.0%	
35.8%	872	872	0	0.0%	
37.0%	871	871	0	0.0%	
38.3%	871	870	-1	-0.1%	
39.5%	870	870	0	0.0%	
40.7%	869	869	0	0.0%	
42.0%	868	868	0	0.0%	
43.2%	867	868	1	0.1%	
44.4%	867	867	0	0.0%	
45.7%	866	866	0	0.0%	
46.9%	864	864	0	0.0%	
48.1%	864	864	0	0.0%	
49.4%	863	863	0	0.0%	
50.6%	863	863	0	0.0%	
51.9%	858	858	3	0.3%	
53.1%	851	856	4	0.5%	
54.3%	850	851	1	0.1%	
55.6%	850	850	1	0.1%	
56.8%	847	850	3	0.4%	
58.0%	845	850	4	0.5%	
59.3%	839	847	8	0.9%	
60.5%	834	841	7	0.9%	
61.7%	832	833	1	0.1%	
63.0%	831	833	2	0.2%	
64.2%	829	831	2	0.3%	
65.4%	826	831	5	0.6%	
66.7%	820	830	10	1.2%	
67.9%	814	829	15	1.8%	
69.1%	814	828	14	1.7%	
70.4%	814	816	3	0.3%	
71.6%	811	816	5	0.6%	
72.8%	807	814	8	0.9%	
74.1%	807	813	6	0.8%	
75.3%	804	812	8	1.0%	
76.5%	798	801	2	0.3%	
77.8%	796	798	2	0.2%	
79.0%	791	794	3	0.4%	
80.2%	791	793	2	0.3%	
81.5%	789	791	2	0.2%	
82.7%	784	790	6	0.8%	
84.0%	778	799	11	1.4%	
85.2%	774	780	7	0.9%	
86.4%	766	770	4	0.5%	
87.7%	763	764	1	0.1%	
88.9%	746	750	4	0.5%	
90.1%	735	748	13	1.8%	
91.4%	710	736	10	1.4%	
92.6%	720	735	15	2.0%	
93.8%	720	724	3	0.5%	
95.1%	704	717	13	1.8%	
96.3%	700	715	15	2.1%	
97.5%	697	707	10	1.4%	
98.8%	675	693	17	2.6%	
100.0%	585	622	37	6.4%	

Table SW-19-b  
Lake Oroville, End of Month Elevation  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	898	895	-3	-0.3%	
1.2%	893	894	1	0.1%	
2.5%	893	889	-4	-0.4%	
3.7%	889	889	0	0.0%	
4.9%	888	888	0	0.0%	
6.2%	886	886	0	0.0%	
7.4%	883	886	3	0.3%	
8.6%	883	884	1	0.1%	
9.9%	882	883	1	0.1%	
11.1%	879	878	-2	-0.2%	
12.3%	879	877	-2	-0.2%	
13.6%	877	876	-1	-0.1%	
14.8%	869	869	0	0.0%	
16.0%	865	869	4	0.4%	
17.3%	864	868	3	0.4%	
18.5%	863	866	3	0.3%	
19.8%	862	865	2	0.3%	
21.0%	861	864	3	0.4%	
22.2%	858	863	5	0.6%	
23.5%	858	861	3	0.3%	
24.7%	856	858	3	0.3%	
25.9%	853	858	5	0.6%	
27.2%	853	858	4	0.5%	
28.4%	852	857	5	0.6%	
29.6%	851	856	5	0.7%	
30.9%	850	853	3	0.4%	
32.1%	849	852	3	0.4%	
33.3%	847	852	5	0.5%	
34.6%	846	852	5	0.6%	
35.8%	846	851	5	0.6%	
37.0%	845	849	4	0.5%	
38.3%	844	849	5	0.6%	
39.5%	843	848	5	0.6%	
40.7%	843	848	5	0.6%	
42.0%	842	846	4	0.4%	
43.2%	842	845	3	0.4%	
44.4%	841	844	3	0.4%	
45.7%	840	844	4	0.5%	
46.9%	839	841	3	0.3%	
48.1%	836	839	3	0.3%	
49.4%	835	837	3	0.3%	
50.6%	833	836	2	0.3%	
51.9%	830	833	3	0.3%	
53.1%	830	833	3	0.4%	
54.3%	829	833	4	0.4%	
55.6%	825	831	6	0.7%	
56.8%	822	828	6	0.7%	
58.0%	809	827	18	2.2%	
59.3%	807	819	11	1.4%	
60.5%	802	814	12	1.4%	
61.7%	802	812	10	1.2%	
63.0%	800	811	12	1.5%	
64.2%	800	809	17	2.1%	
65.4%	788	808	21	2.6%	
66.7%	787	802	15	1.9%	
67.9%	784	796	12	1.5%	
69.1%	778	787	9	1.1%	
70.4%	772	787	15	1.9%	
71.6%	770	784	14	1.8%	
72.8%	770	782	12	1.5%	
74.1%	770	774	4	0.6%	
75.3%	769	771	1	0.2%	
76.5%	769	770	1	0.1%	
77.8%	766	770	4	0.5%	
79.0%	762	766	4	0.5%	
80.2%	761	765	4	0.5%	
81.5%	761	764	4	0.5%	
82.7%	760	759	-1	-0.1%	
84.0%	757	755	-2	-0.2%	
85.2%	741	751	11	1.4%	
86.4%	739	747	8	1.0%	
87.7%	739	740	2	0.2%	
88.9%	702	725	22	3.2%	
90.1%	665	701	8	1.2%	
91.4%	690	695	5	0.7%	
92.6%	690	691	1	0.2%	
93.8%	683	679	-4	-0.6%	
95.1%	679	676	-2	-0.3%	
96.3%	665	675	10	1.5%	
97.5%	655	672	17	2.6%	
98.8%	647	665	18	2.8%	
100.0%	571	608	37	6.5%	

July					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	871	878	7	0.8%	
1.2%	866	864	-2	-0.2%	
2.5%	856	863	8	0.9%	
3.7%	855	862	7	0.9%	
4.9%	854	857	4	0.4%	
6.2%	851	852	1	0.1%	
7.4%	851	852	1	0.1%	
8.6%	849	852	3	0.4%	
9.9%	845	846	1	0.1%	
11.1%	840	843	3	0.4%	
12.3%	835	842	7	0.8%	
13.6%	835	839	4	0.4%	
14.8%	834	838	4	0.4%	
16.0%	834	838	4	0.5%	
17.3%	824	834	10	1.2%	
18.5%	823	834	11	1.3%	
19.8%	822	834	11	1.4%	
21.0%	822	830	8	1.0%	
22.2%	818	826	9	0.9%	
23.5%	818	822	4	0.4%	
24.7%	817	821	5	0.6%	
25.9%	814	820	6	0.7%	
27.2%	805	819	15	1.8%	
28.4%	804	819	15	1.8%	
29.6%	803	817	13	1.6%	
30.9%	802	815	13	1.6%	
32.1%	801	813	12	1.5%	
33.3%	800	812	12	1.5%	
34.6%	800	801	1	0.1%	
35.8%	796	801	4	0.5%	
37.0%	796	800	4	0.5%	
38.3%	795	800	5	0.6%	
39.5%	792	800	8	1.0%	
40.7%	789	799	10	1.2%	
42.0%	789	799	10	1.3%	
43.2%	788	799	10	1.3%	
44.4%	788	797	10	1.2%	
45.7%	786	797	11	1.4%	
46.9%	785	796	11	1.4%	
48.1%	783	792	9	1.2%	
49.4%	781	789	9	1.1%	
50.6%	775	787	12	1.6%	
51.9%	774	786	12	1.7%	
53.1%	771	786	15	2.0%	
54.3%	771	782	12	1.5%	
55.6%	769	781	13	1.6%	
56.8%	756	776	21	2.7%	
58.0%	742	770	28	3.7%	
59.3%	742	762	19	2.6%	
60.5%	739	756	17	2.3%	
61.7%	736	753	17	2.3%	
63.0%	735	750	15	2.1%	
64.2%	733	748	15	2.0%	
65.4%	731	745	13	1.8%	
66.7%	730	744	13	1.8%	
67.9%	728	741	13	1.9%	
69.1%	726	739	14	1.9%	
70.4%	725	738	13	1.8%	
71.6%	724	728	4	0.5%	
72.8%	721	727	7	1.0%	
74.1%	720	727	7	1.0%	
75.3%	712	725	13	1.8%	
76.5%	710	724	14	1.9%	
77.8%	709	719	9	1.3%	
79.0%	709	718	9	1.3%	
80.2%	708	709	1	0.1%	
81.5%	708	709	1	0.0%	
82.7%	707	704	-3	-0.4%	
84.0%	707	702	-5	-0.7%	
85.2%	697	700	3	0.5%	
86.4%	692	698	6	0.9%	
87.7%	686	697	11	1.6%	
88.9%	666	696	29	4.4%	
90.1%	665	684	19	2.8%	
91.4%	665	674	9	1.3%	
92.6%	665	665	0	0.0%	
93.8%	665	656	-8	-1.3%	
95.1%	654	650	-4	-0.6%	
96.3%	650	660	16	2.4%	
97.5%	624	647	23	3.7%	
98.8%	622	635	12	2.0%	
100.0%	560	602	42	7.5%	

August					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	858	865	8	0.9%	
1.2%	838	846	9	1.1%	
2.5%	836	841	5	0.6%	
3.7%	836	839	3	0.3%	
4.9%	835	837	2	0.3%	
6.2%	831	835	4	0.5%	
7.4%	825	827	2	0.2%	
8.6%	817	825	8	1.0%	
9.9%	811	822	11	1.4%	
11.1%	803	818	15	1.8%	
12.3%	797	806	10	1.2%	
13.6%	796	804	8	1.0%	
14.8%	796	802	7	0.8%	
16.0%	796	802	6	0.8%	
17.3%	793	799	6	0.8%	
18.5%	788	798	10	1.3%	
19.8%	776	797	21	2.7%	
21.0%	775	794	18	2.4%	
22.2%	772	790	18	2.3%	
23.5%	768	778	10	1.3%	
24.7%	768	773	5	0.7%	
25.9%	767	773	6	0.8%	
27.2%	757	773	17	2.2%	
28.4%	755	772	17	2.3%	
29.6%	755	770	15	2.0%	
30.9%	753	768	15	2.0%	
32.1%	752	765	13	1.7%	
33.3%	751	764	13	1.7%	
34.6%	751	763	12	1.6%	
35.8%	750	763	12	1.6%	
37.0%	750	762	12	1.6%	
38.3%	744	760	16	2.2%	
39.5%	744	760	16	2.1%	
40.7%	743	758	15	2.0%	
42.0%	741	757	17	2.3%	
43.2%	740	756	16	2.2%	
44.4%	740	753	13	1.7%	
45.7%	738	751	13	1.7%	
46.9%	738	750	12	1.6%	
48.1%	737	748	12	1.6%	
49.4%	747	747	0	0.0%	
50.6%	732	747	14	2.0%	
51.9%	732	746	15	2.0%	
53.1%	730	739	9	1.2%	
54.3%	730	739	8	1.1%	
55.6%	723	737	15	2.0%	
56.8%	720	735	15	2.1%	
58.0%	716	730	15	2.0%	
59.3%	710	720	11	1.5%	
60.5%	709	712	3	0.5%	
61.7%	708	712	3	0.5%	
63.0%	708	710	3	0.4%	
64.2%	707	709	2	0.3%	
65.4%	705	708	3	0.4%	
66.7%	703	706	4	0.5%	
67.9%	698	704	6	0.9%	
69.1%	698	704	6	0.8%	
70.4%	694	704	10	1.4%	
71.6%	693	703	11	1.5%	
72.8%	689	702	13	1.9%	
74.1%	687	701	14	2.0%	
75.3%	686	701	15	2.3%	
76.5%	685	701	16	2.3%	
77.8%	684	700	16	2.3%	
79.0%	683	699	16	2.3%	
80.2%	677	698	21	3.1%	
81.5%	677	695	19	2.8%	
82.7%	675	682	7	1.1%	
84.0%	670	682	11	1.7%	
85.2%	667	677	10	1.5%	
86.4%	666	677	11	1.7%	
87.7%	665	676	11	1.7%	
88.9%	652	671	19	2.9%	
90.1%	650	671	21	3.2%	
91.4%	645	665	20	3.1%	
92.6%	643	644	1	0.1%	
93.8%	640	644	3	0.5%	
95.1%	627	638	11	1.8%	
96.3%	621	628	6	1.0%	
97.5%	628	628	0	0.0%	
98.8%	613	621	8	1.4%	
100					

Figure SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

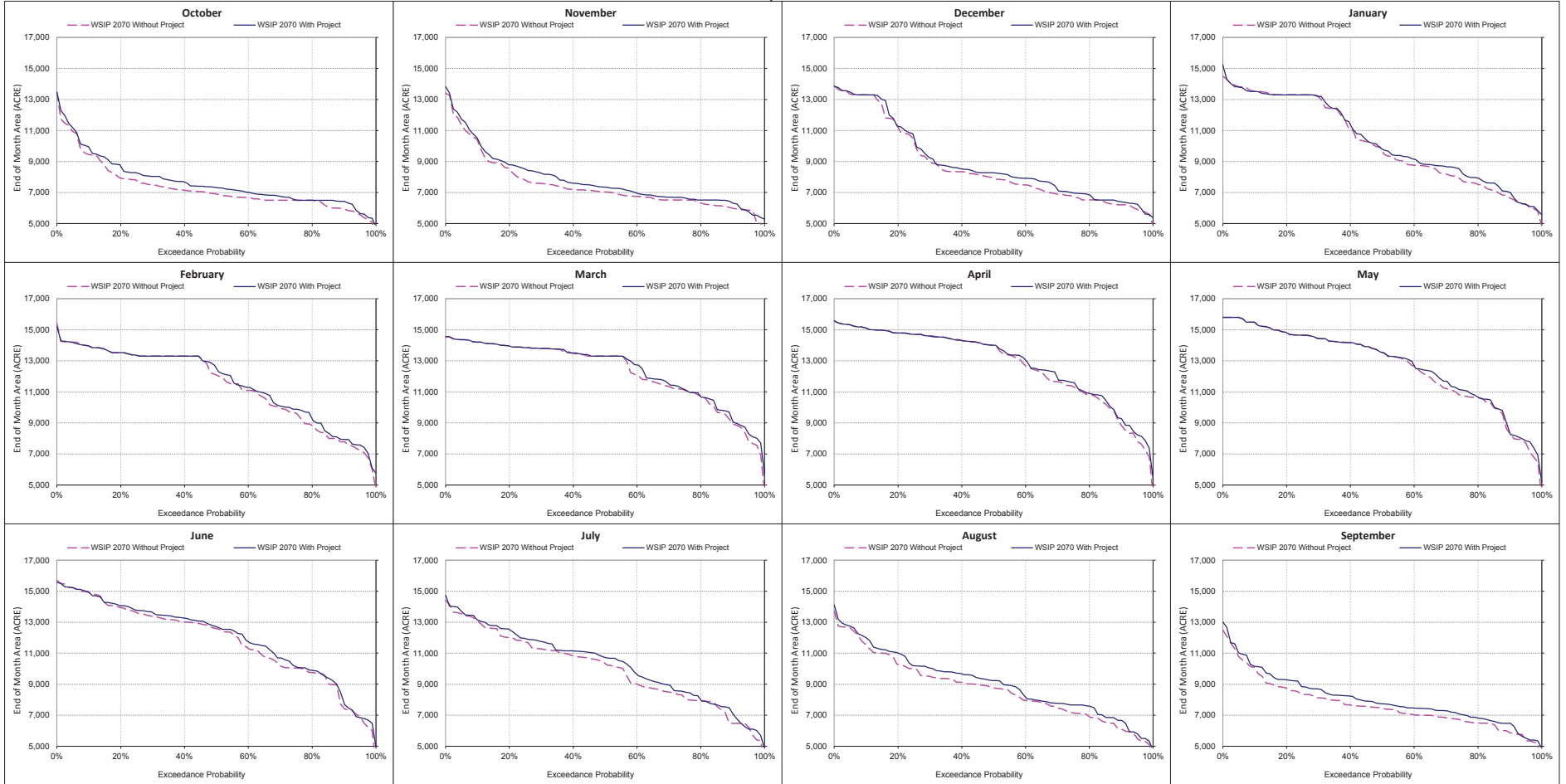


Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,474	13,474	0	0.0%
1.2%	11,744	12,288	544	4.6%
2.5%	11,470	11,954	484	4.2%
3.7%	11,329	11,470	141	1.2%
4.9%	10,939	11,194	255	2.3%
6.2%	10,806	10,889	83	0.8%
7.4%	9,806	10,131	326	3.3%
8.6%	9,569	10,045	476	5.0%
9.9%	9,455	9,954	499	5.3%
11.1%	9,421	9,526	105	1.1%
12.3%	9,393	9,486	93	1.0%
13.6%	9,053	9,356	303	3.3%
14.8%	8,798	9,305	508	5.8%
16.0%	8,412	9,097	684	8.1%
17.3%	8,282	8,847	565	6.8%
18.5%	8,120	8,832	711	8.8%
19.8%	7,938	8,787	849	10.7%
21.0%	7,886	8,368	481	6.1%
22.2%	7,881	8,207	426	5.4%
23.5%	7,829	8,286	457	5.8%
24.7%	7,819	8,274	454	5.8%
25.9%	7,604	8,207	603	7.9%
27.2%	7,599	8,097	497	6.5%
28.4%	7,540	8,072	532	7.1%
29.6%	7,487	8,046	559	7.5%
30.9%	7,475	8,046	571	7.6%
32.1%	7,411	8,035	624	8.4%
33.3%	7,365	7,892	527	7.2%
34.6%	7,312	7,827	515	7.0%
35.8%	7,250	7,795	545	7.4%
37.0%	7,211	7,738	527	7.3%
38.3%	7,173	7,718	546	7.6%
39.5%	7,164	7,711	547	7.6%
40.7%	7,125	7,607	481	6.8%
42.0%	7,095	7,427	332	4.7%
43.2%	7,083	7,089	6	0.1%
44.4%	7,059	7,412	352	5.0%
45.7%	7,056	7,408	352	5.0%
46.9%	6,996	7,380	384	5.5%
48.1%	6,946	7,366	419	6.0%
49.4%	6,936	7,335	399	5.8%
50.6%	6,878	7,303	425	6.2%
51.9%	6,807	7,278	470	6.9%
53.1%	6,793	7,214	421	6.2%
54.3%	6,754	7,198	444	6.6%
55.6%	6,732	7,175	443	6.6%
56.8%	6,696	7,138	440	6.6%
58.0%	6,696	7,094	398	5.9%
59.3%	6,682	7,025	343	5.1%
60.5%	6,670	6,992	322	4.8%
61.7%	6,592	6,931	339	5.1%
63.0%	6,591	6,894	303	4.6%
64.2%	6,532	6,876	344	5.3%
65.4%	6,507	6,844	337	5.2%
66.7%	6,507	6,827	321	4.9%
67.9%	6,507	6,823	317	4.9%
69.1%	6,506	6,790	284	4.4%
70.4%	6,505	6,732	227	3.5%
71.6%	6,505	6,703	199	3.1%
72.8%	6,504	6,682	178	2.7%
74.1%	6,504	6,559	56	0.9%
75.3%	6,504	6,506	2	0.0%
76.5%	6,503	6,506	3	0.0%
77.8%	6,503	6,506	3	0.0%
79.0%	6,503	6,505	2	0.0%
80.2%	6,502	6,505	2	0.0%
81.5%	6,406	6,504	98	1.5%
82.7%	6,391	6,503	112	1.8%
84.0%	6,198	6,433	235	3.8%
85.2%	6,042	6,503	461	7.6%
86.4%	6,007	6,503	496	8.3%
87.7%	5,988	6,447	459	7.7%
88.9%	5,986	6,436	450	7.5%
90.1%	5,939	6,433	494	8.3%
91.4%	5,831	6,304	473	8.1%
92.6%	5,809	6,237	429	7.4%
93.8%	5,701	5,849	148	2.6%
95.1%	5,654	5,637	83	1.5%
96.3%	5,378	5,607	229	4.3%
97.5%	5,216	5,377	161	3.1%
98.8%	5,101	5,326	225	4.4%
100.0%	3,760	4,786	1,026	27.3%

Percent Exceedance Probability (%)	November			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,414	13,831	417	3.1%
1.2%	13,263	13,412	149	1.1%
2.5%	12,013	12,383	370	3.1%
3.7%	11,851	12,189	338	2.8%
4.9%	11,358	11,746	388	3.4%
6.2%	11,015	11,835	820	7.4%
7.4%	10,785	11,056	271	2.5%
8.6%	10,593	10,785	192	1.8%
9.9%	10,416	10,540	124	1.2%
11.1%	9,777	9,999	222	2.3%
12.3%	9,251	9,641	390	4.2%
13.6%	8,997	9,437	440	4.9%
14.8%	8,918	9,190	272	3.1%
16.0%	8,909	9,161	252	2.8%
17.3%	8,888	9,060	173	1.9%
18.5%	8,621	8,967	346	4.0%
19.8%	8,568	8,791	224	2.6%
21.0%	8,275	8,784	509	6.2%
22.2%	8,044	8,707	663	8.2%
23.5%	7,926	8,616	690	8.7%
24.7%	7,839	8,536	698	8.9%
25.9%	7,690	8,418	729	9.5%
27.2%	7,629	8,394	766	10.0%
28.4%	7,597	8,326	729	9.6%
29.6%	7,593	8,278	685	9.0%
30.9%	7,574	8,164	610	8.1%
32.1%	7,511	8,176	665	8.8%
33.3%	7,508	8,142	635	8.5%
34.6%	7,444	8,034	590	7.9%
35.8%	7,398	7,908	510	6.9%
37.0%	7,310	7,795	485	6.6%
38.3%	7,218	7,661	443	6.1%
39.5%	7,207	7,611	405	5.6%
40.7%	7,179	7,592	413	5.8%
42.0%	7,095	7,554	376	5.2%
43.2%	7,170	7,509	339	4.7%
44.4%	7,133	7,505	372	5.2%
45.7%	7,132	7,476	344	4.8%
46.9%	7,088	7,425	337	4.8%
48.1%	7,073	7,363	290	4.1%
49.4%	7,043	7,347	304	4.3%
50.6%	7,031	7,341	310	4.4%
51.9%	7,003	7,283	280	4.0%
53.1%	6,973	7,263	290	4.2%
54.3%	6,885	7,262	377	5.5%
55.6%	6,821	7,226	405	5.9%
56.8%	6,786	7,146	360	5.3%
58.0%	6,775	7,094	319	4.7%
59.3%	6,753	7,014	261	3.9%
60.5%	6,749	6,933	184	2.7%
61.7%	6,728	6,878	151	2.2%
63.0%	6,696	6,838	142	2.1%
64.2%	6,692	6,835	143	2.1%
65.4%	6,682	6,782	201	3.1%
66.7%	6,554	6,746	192	2.9%
67.9%	6,520	6,745	225	3.5%
69.1%	6,519	6,708	189	2.9%
70.4%	6,519	6,703	184	2.8%
71.6%	6,519	6,694	175	2.7%
72.8%	6,518	6,685	166	2.5%
74.1%	6,518	6,684	166	2.5%
75.3%	6,518	6,631	113	1.7%
76.5%	6,513	6,571	58	0.9%
77.8%	6,513	6,566	53	0.8%
79.0%	6,384	6,523	138	2.2%
80.2%	6,301	6,520	219	3.5%
81.5%	6,246	6,519	273	4.4%
82.7%	6,209	6,519	309	5.0%
84.0%	6,186	6,518	332	5.4%
85.2%	6,149	6,516	368	6.0%
86.4%	6,140	6,507	367	6.0%
87.7%	6,103	6,501	398	6.5%
88.9%	6,040	6,439	399	6.6%
90.1%	5,981	6,317	336	5.6%
91.4%	5,931	6,251	320	5.4%
92.6%	5,900	5,957	57	1.0%
93.8%	5,878	5,885	7	0.1%
95.1%	5,867	5,767	-100	-1.7%
96.3%	5,850	5,543	-307	-5.2%
97.5%	5,857	5,359	-498	-8.5%
98.8%	5,005	5,381	375	7.5%
100.0%	4,402	5,291	889	20.2%

Percent Exceedance Probability (%)	December			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,866	13,862	-3	0.0%
1.2%	13,777	13,777	0	0.0%
2.5%	13,567	13,567	0	0.0%
3.7%	13,564	13,564	0	0.0%
4.9%	13,344	13,492	148	1.1%
6.2%	13,306	13,344	38	0.3%
7.4%	13,304	13,304	0	0.0%
8.6%	13,304	13,304	0	0.0%
9.9%	13,304	13,304	0	0.0%
11.1%	13,304	13,304	0	0.0%
12.3%	13,304	13,304	0	0.0%
13.6%	12,959	13,261	302	2.3%
14.8%	12,761	13,027	266	2.1%
16.0%	11,806	12,928	1,122	9.5%
17.3%	11,790	11,995	206	1.8%
18.5%	11,725	11,790	64	0.5%
19.8%	11,294	11,293	-1	0.0%
21.0%	10,846	11,230	384	3.5%
22.2%	10,816	10,994	178	1.6%
23.5%	10,748	10,872	124	1.2%
24.7%	10,502	10,794	292	2.8%
25.9%	9,748	9,928	180	1.8%
27.2%	9,385	9,801	417	4.4%
28.4%	8,349	8,528	180	2.0%
29.6%	8,015	8,278	263	3.3%
30.9%	8,886	8,162	-72	-0.8%
32.1%	8,858	8,786	-72	-0.8%
33.3%	8,529	8,772	242	2.8%
34.6%	8,405	8,748	343	4.1%
35.8%	8,354	8,688	345	4.1%
37.0%	8,351	8,618	267	3.2%
38.3%	8,345	8,597	253	3.0%
39.5%	8,338	8,535	197	2.4%
40.7%	8,332	8,502	170	2.0%
42.0%	8,226	8,480	254	3.1%
43.2%	8,222	8,412	190	2.3%
44.4%	8,173	8,314	141	1.7%
45.7%	8,134	8,281	148	1.8%
46.9%	8,075	8,279	204	2.5%
48.1%	8,015	8,278	263	3.3%
49.4%	7,977	8,276	299	3.8%
50.6%	7,857	8,270	412	5.2%
51.9%	7,850	8,226	376	4.8%
53.1%	7,821	8,188	367	4.7%
54.3%	7,802	8,165	363	4.7%
55.6%	7,636	8,027	390	5.1%
56.8%	7,537	7,976	440	5.8%
58.0%	7,526	7,943	416	5.5%
59.3%	7,492	7,923	431	5.8%
60.5%	7,485	7,913	428	5.7%
61.7%	7,417	7,910	493	6.6%
63.0%	7,271	7,874	603	8.3%
64.2%	7,227	7,740	513	7.1%
65.4%	7,120	7,708	586	8.2%
66.7%	7,012	7,692	680	9.7%
67.9%	6,981	7,614	633	9.1%
69.1%	6,936	7,465	529	7.6%
70.4%	6,878	7,094	216	3.1%
71.6%	6,870	7,087	217	3.2%
72.8%	6,810	7,066	257	3.8%
74.1%	6,804	7,014	210	3.1%
75.3%	6,691	6,963	273	4.1%
76.5%	6,659	6,940	281	4.2%
77.8%	6,523	6,932	409	6.3%
79.0%	6,523	6,913	390	6.0%
80.2%	6,523	6,817	294	4.5%
81.5%	6,522	6,558	35	0.5%
82.7%	6,520	6,524	4	0.1%
84.0%	6,464	6,524	60	0.9%
85.2%	6,357	6,524	166	2.6%
86.4%	6,280	6,523	243	3.9%
87.7%	6,269	6,523	254	4.1%
88.9%	6,207	6,434	226	3.6%
90.1%</				

Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,413	15,195	-218	-1.4%
1.2%	14,271	14,271	0	0.0%
2.5%	14,224	14,255	31	0.2%
3.7%	14,222	14,224	2	0.0%
4.9%	14,204	14,201	-4	0.0%
6.2%	14,201	14,115	-85	-0.6%
7.4%	14,041	14,041	0	0.0%
8.6%	14,001	14,001	0	0.0%
9.9%	13,967	13,967	0	0.0%
11.1%	13,851	13,851	0	0.0%
12.3%	13,847	13,847	0	0.0%
13.6%	13,846	13,815	-30	-0.2%
14.8%	13,761	13,761	0	0.0%
16.0%	13,644	13,644	0	0.0%
17.3%	13,531	13,531	0	0.0%
18.5%	13,531	13,531	0	0.0%
19.8%	13,531	13,531	0	0.0%
21.0%	13,521	13,521	0	0.0%
22.2%	13,451	13,451	0	0.0%
23.5%	13,387	13,387	0	0.0%
24.7%	13,364	13,364	0	0.0%
25.9%	13,304	13,304	0	0.0%
27.2%	13,304	13,304	0	0.0%
28.4%	13,304	13,304	0	0.0%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,301	0	0.0%
45.7%	13,048	12,998	-51	-0.4%
46.9%	12,837	12,960	123	1.0%
48.1%	12,227	12,885	658	5.4%
49.4%	12,133	12,716	583	4.9%
50.6%	12,026	12,308	283	2.3%
51.9%	11,924	12,165	241	2.0%
53.1%	11,650	12,099	449	3.9%
54.3%	11,532	12,051	520	4.5%
55.6%	11,520	11,560	40	0.3%
56.8%	11,518	11,443	-75	-0.6%
58.0%	11,133	11,392	259	2.3%
59.3%	11,097	11,295	198	1.8%
60.5%	11,094	11,281	187	1.7%
61.7%	11,069	11,129	60	0.5%
63.0%	10,858	11,013	155	1.4%
64.2%	10,700	10,969	268	2.5%
65.4%	10,558	10,897	340	3.2%
66.7%	10,173	10,770	597	5.9%
67.9%	10,081	10,291	210	2.1%
69.1%	10,043	10,139	97	1.0%
70.4%	9,915	10,075	160	1.6%
71.6%	9,881	10,011	130	1.3%
72.8%	9,712	10,008	296	3.0%
74.1%	9,706	9,887	182	1.9%
75.3%	9,580	9,885	305	3.2%
76.5%	9,242	9,807	565	6.1%
77.8%	8,943	9,708	765	8.6%
79.0%	8,930	9,670	740	8.3%
80.2%	8,826	9,168	343	3.9%
81.5%	8,522	8,993	471	5.5%
82.7%	8,387	8,991	604	7.2%
84.0%	8,344	8,770	426	5.1%
85.2%	7,997	8,344	347	4.3%
86.4%	7,994	8,108	115	1.4%
87.7%	7,990	8,099	109	1.4%
88.9%	7,781	7,943	162	2.1%
90.1%	7,779	7,951	172	2.2%
91.4%	7,604	7,928	322	4.2%
92.6%	7,506	7,630	124	1.7%
93.8%	7,358	7,587	229	3.1%
95.1%	7,217	7,567	350	4.8%
96.3%	7,067	7,423	356	5.0%
97.5%	6,747	7,022	275	4.1%
98.8%	6,034	6,079	45	0.7%
100.0%	4,717	5,764	1,046	22.2%

Percent Exceedance Probability (%)	March			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,551	14,551	0	0.0%
2.5%	14,411	14,411	0	0.0%
3.7%	14,361	14,382	22	0.2%
4.9%	14,361	14,361	0	0.0%
6.2%	14,353	14,361	8	0.1%
7.4%	14,331	14,331	0	0.0%
8.6%	14,221	14,221	0	0.0%
9.9%	14,207	14,207	0	0.0%
11.1%	14,202	14,202	0	0.0%
12.3%	14,131	14,131	0	0.0%
13.6%	14,104	14,104	0	0.0%
14.8%	14,101	14,101	0	0.0%
16.0%	14,071	14,071	0	0.0%
17.3%	14,007	14,007	0	0.0%
18.5%	13,994	13,994	0	0.0%
19.8%	13,971	13,971	0	0.0%
21.0%	13,891	13,891	0	0.0%
22.2%	13,891	13,891	0	0.0%
23.5%	13,891	13,891	0	0.0%
24.7%	13,857	13,857	0	0.0%
25.9%	13,847	13,847	0	0.0%
27.2%	13,824	13,824	0	0.0%
28.4%	13,821	13,821	0	0.0%
29.6%	13,801	13,801	0	0.0%
30.9%	13,797	13,797	0	0.0%
32.1%	13,797	13,797	0	0.0%
33.3%	13,767	13,771	4	0.0%
34.6%	13,751	13,767	17	0.1%
35.8%	13,737	13,751	13	0.1%
37.0%	13,607	13,737	130	1.0%
38.3%	13,606	13,524	-81	-0.6%
39.5%	13,501	13,506	5	0.0%
40.7%	13,454	13,501	47	0.3%
42.0%	13,401	13,454	53	0.4%
43.2%	13,401	13,401	0	0.0%
44.4%	13,304	13,401	97	0.7%
45.7%	13,304	13,304	0	0.0%
46.9%	13,304	13,304	0	0.0%
48.1%	13,304	13,304	0	0.0%
49.4%	13,304	13,304	0	0.0%
50.6%	13,304	13,304	0	0.0%
51.9%	13,304	13,304	0	0.0%
53.1%	13,304	13,304	0	0.0%
54.3%	13,304	13,304	0	0.0%
55.6%	13,281	13,304	23	0.2%
56.8%	12,967	13,106	140	1.1%
58.0%	12,232	12,983	752	6.1%
59.3%	12,132	12,749	617	5.1%
60.5%	12,020	12,717	696	5.8%
61.7%	11,799	12,461	662	5.6%
63.0%	11,784	11,698	-86	-0.7%
64.2%	11,709	11,873	164	1.4%
65.4%	11,634	11,839	205	1.8%
66.7%	11,536	11,820	283	2.5%
67.9%	11,481	11,787	306	2.7%
69.1%	11,385	11,663	278	2.4%
70.4%	11,325	11,430	105	0.9%
71.6%	11,203	11,420	217	1.9%
72.8%	11,184	11,374	190	1.7%
74.1%	11,177	11,224	46	0.4%
75.3%	11,078	11,110	32	0.3%
76.5%	11,007	10,965	-42	-0.4%
77.8%	10,978	10,945	-32	-0.3%
79.0%	10,818	10,941	123	1.1%
80.2%	10,651	10,657	7	0.1%
81.5%	10,590	10,634	44	0.4%
82.7%	10,217	10,650	432	3.3%
84.0%	10,050	10,456	366	3.6%
85.2%	9,669	9,840	171	1.8%
86.4%	9,647	9,803	155	1.6%
87.7%	9,557	9,785	228	2.4%
88.9%	9,247	9,704	456	4.9%
90.1%	8,821	9,052	132	1.5%
91.4%	8,498	8,962	121	1.4%
92.6%	8,708	8,830	122	1.4%
93.8%	8,367	8,723	356	4.3%
95.1%	7,777	8,285	508	6.5%
96.3%	7,667	8,104	437	5.7%
97.5%	7,548	8,068	458	6.1%
98.8%	6,963	7,698	766	11.0%
100.0%	4,536	5,610	1,044	22.9%

Percent Exceedance Probability (%)	April			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,444	15,444	-2	0.0%
2.5%	15,386	15,382	-4	0.0%
3.7%	15,350	15,348	-2	0.0%
4.9%	15,330	15,330	0	0.0%
6.2%	15,232	15,231	-1	0.0%
7.4%	15,190	15,190	0	0.0%
8.6%	15,184	15,184	0	0.0%
9.9%	15,124	15,124	0	0.0%
11.1%	15,020	15,020	0	0.0%
12.3%	15,004	15,004	0	0.0%
13.6%	14,984	14,984	0	0.0%
14.8%	14,984	14,984	0	0.0%
16.0%	14,947	14,947	0	0.0%
17.3%	14,912	14,910	-1	0.0%
18.5%	14,804	14,804	0	0.0%
19.8%	14,797	14,797	0	0.0%
21.0%	14,794	14,794	0	0.0%
22.2%	14,790	14,790	0	0.0%
23.5%	14,737	14,737	0	0.0%
24.7%	14,707	14,706	-2	0.0%
25.9%	14,704	14,704	0	0.0%
27.2%	14,704	14,704	0	0.0%
28.4%	14,629	14,621	-8	-0.1%
29.6%	14,622	14,611	-12	-0.1%
30.9%	14,611	14,544	-66	-0.5%
32.1%	14,544	14,542	-2	0.0%
33.3%	14,541	14,539	-2	0.0%
34.6%	14,524	14,522	-2	0.0%
35.8%	14,458	14,448	-2	0.0%
37.0%	14,400	14,398	-1	0.0%
38.3%	14,392	14,338	-55	-0.4%
39.5%	14,340	14,332	-8	-0.1%
40.7%	14,284	14,281	-3	0.0%
42.0%	14,263	14,260	-3	0.0%
43.2%	14,240	14,240	0	0.0%
44.4%	14,211	14,209	-2	0.0%
45.7%	14,153	14,151	-2	0.0%
46.9%	14,067	14,064	-2	0.0%
48.1%	14,027	14,035	8	0.1%
49.4%	14,013	14,013	0	0.0%
50.6%	14,003	14,001	-2	0.0%
51.9%	13,640	13,768	128	0.9%
53.1%	13,435	13,637	203	1.5%
54.3%	13,382	13,433	50	0.4%
55.6%	13,347	13,375	27	0.2%
56.8%	13,213	13,367	154	1.2%
58.0%	13,136	13,351	215	1.6%
59.3%	12,826	13,202	376	2.9%
60.5%	12,584	12,937	353	2.8%
61.7%	12,508	12,539	30	0.2%
63.0%	12,419	12,516	97	0.8%
64.2%	12,335	12,438	103	0.8%
65.4%	12,191	12,417	226	1.9%
66.7%	11,895	12,381	486	4.1%
67.9%	11,669	12,334	665	5.7%
69.1%	11,660	12,285	625	5.4%
70.4%	11,657	11,749	92	0.8%
71.6%	11,572	11,740	168	1.5%
72.8%	11,412	11,687	275	2.4%
74.1%	11,405	11,633	228	2.0%
75.3%	11,296	11,592	296	2.6%
76.5%	11,101	11,188	86	0.8%
77.8%	11,004	11,069	66	0.6%
79.0%	10,836	10,947	111	1.0%
80.2%	10,814	10,887	73	0.7%
81.5%	10,752	10,821	69	0.6%
82.7%	10,583	10,803	220	2.1%
84.0%	10,361	10,755	393	3.8%
85.2%	10,202	10,444	243	2.4%
86.4%	9,929	10,060	130	

Table SW-20-b  
Lake Oroville, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	June			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,706	15,570	-136	-0.9%
1.2%	15,476	15,506	29	0.2%
2.5%	15,467	15,274	-193	-1.2%
3.7%	15,245	15,266	20	0.1%
4.9%	15,228	15,234	6	0.0%
6.2%	15,140	15,134	-6	0.0%
7.4%	14,997	15,109	112	0.7%
8.6%	14,983	15,025	42	0.3%
9.9%	14,927	14,959	32	0.2%
11.1%	14,795	14,709	-85	-0.6%
12.3%	14,780	14,691	-89	-0.6%
13.6%	14,687	14,629	-59	-0.4%
14.8%	14,288	14,261	-27	-0.2%
16.0%	14,082	14,269	187	1.3%
17.3%	14,071	14,220	150	1.1%
18.5%	14,018	14,165	147	1.0%
19.8%	13,951	14,073	122	0.9%
21.0%	13,898	14,062	164	1.2%
22.2%	13,757	14,013	256	1.9%
23.5%	13,747	13,890	143	1.0%
24.7%	13,642	13,775	133	1.0%
25.9%	13,533	13,764	231	1.7%
27.2%	13,522	13,739	217	1.6%
28.4%	13,443	13,684	240	1.8%
29.6%	13,390	13,672	282	2.1%
30.9%	13,342	13,496	154	1.2%
32.1%	13,301	13,457	157	1.2%
33.3%	13,223	13,446	223	1.7%
34.6%	13,172	13,439	266	2.0%
35.8%	13,163	13,397	234	1.8%
37.0%	13,144	13,330	186	1.4%
38.3%	13,065	13,317	252	1.9%
39.5%	13,023	13,270	247	1.9%
40.7%	13,000	13,247	247	1.9%
42.0%	12,980	13,153	173	1.3%
43.2%	12,963	13,119	157	1.2%
44.4%	12,921	13,077	156	1.2%
45.7%	12,863	13,074	211	1.6%
46.9%	12,816	12,941	125	1.0%
48.1%	12,695	12,836	141	1.1%
49.4%	12,609	12,745	136	1.1%
50.6%	12,558	12,661	103	0.8%
51.9%	12,407	12,548	141	1.1%
53.1%	12,370	12,537	167	1.3%
54.3%	12,362	12,535	172	1.4%
55.6%	12,163	12,436	274	2.3%
56.8%	11,997	12,257	270	2.3%
58.0%	11,488	12,227	739	6.4%
59.3%	11,427	11,845	418	3.7%
60.5%	11,239	11,659	420	3.7%
61.7%	11,221	11,580	359	3.2%
63.0%	11,142	11,566	423	3.8%
64.2%	10,901	11,503	602	5.5%
65.4%	10,709	11,466	757	7.1%
66.7%	10,683	11,222	539	5.0%
67.9%	10,575	11,016	441	4.2%
69.1%	10,369	10,894	525	5.1%
70.4%	10,136	10,684	548	5.4%
71.6%	10,064	10,579	515	5.1%
72.8%	10,061	10,493	432	4.3%
74.1%	10,053	10,211	158	1.6%
75.3%	10,036	10,087	51	0.5%
76.5%	10,033	10,061	28	0.3%
77.8%	9,915	10,059	144	1.5%
79.0%	9,768	9,915	147	1.5%
80.2%	9,746	9,883	137	1.4%
81.5%	9,724	9,852	129	1.3%
82.7%	9,713	9,674	-38	-0.4%
84.0%	9,577	9,516	-60	-0.6%
85.2%	9,019	9,385	367	4.1%
86.4%	8,970	9,228	257	2.9%
87.7%	8,957	9,012	55	0.6%
88.9%	7,723	8,477	754	9.8%
90.1%	7,411	7,688	277	3.7%
91.4%	7,310	7,463	153	2.1%
92.6%	7,290	7,334	44	0.6%
93.8%	7,050	6,912	-138	-2.0%
95.1%	6,912	6,837	-75	-1.1%
96.3%	6,482	6,795	313	4.8%
97.5%	6,218	6,686	468	7.5%
98.8%	6,024	6,479	455	7.6%
100.0%	3,977	4,976	1,000	25.1%

Percent Exceedance Probability (%)	July			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,406	14,739	334	2.3%
1.2%	14,134	14,052	-82	-0.6%
2.5%	13,649	14,018	370	2.7%
3.7%	13,614	13,974	359	2.6%
4.9%	13,539	13,710	172	1.3%
6.2%	13,405	13,465	60	0.4%
7.4%	13,395	13,453	58	0.4%
8.6%	13,299	13,452	153	1.1%
9.9%	13,098	13,148	51	0.4%
11.1%	12,893	13,046	153	1.2%
12.3%	12,647	12,982	335	2.6%
13.6%	12,635	12,817	182	1.4%
14.8%	12,596	12,775	179	1.4%
16.0%	12,583	12,773	190	1.5%
17.3%	12,111	12,600	490	4.0%
18.5%	12,037	12,569	532	4.4%
19.8%	12,013	12,559	546	4.5%
21.0%	11,994	12,390	397	3.3%
22.2%	11,832	12,194	362	3.1%
23.5%	11,830	11,994	164	1.4%
24.7%	11,763	11,963	199	1.7%
25.9%	11,668	11,895	227	1.9%
27.2%	11,335	11,870	535	4.7%
28.4%	11,301	11,839	538	4.8%
29.6%	11,282	11,782	475	4.2%
30.9%	11,244	11,718	474	4.2%
32.1%	11,211	11,635	424	3.8%
33.3%	11,168	11,603	436	3.9%
34.6%	11,162	11,202	40	0.4%
35.8%	11,032	11,188	156	1.4%
37.0%	10,998	11,161	163	1.5%
38.3%	10,966	11,153	187	1.7%
39.5%	10,852	11,147	294	2.7%
40.7%	10,777	11,135	358	3.3%
42.0%	10,760	11,127	367	3.4%
43.2%	10,727	11,109	382	3.6%
44.4%	10,709	11,063	353	3.3%
45.7%	10,640	11,039	400	3.8%
46.9%	10,600	11,005	405	3.8%
48.1%	10,535	10,869	333	3.2%
49.4%	10,450	10,754	304	2.9%
50.6%	10,236	10,687	451	4.4%
51.9%	10,199	10,678	479	4.7%
53.1%	10,102	10,666	564	5.6%
54.3%	10,087	10,512	425	4.2%
55.6%	10,016	10,472	457	4.6%
56.8%	9,542	10,290	748	7.8%
58.0%	9,082	10,072	989	10.9%
59.3%	9,078	9,759	681	7.5%
60.5%	8,961	9,543	582	6.5%
61.7%	8,856	9,450	594	6.7%
63.0%	8,813	9,337	524	5.9%
64.2%	8,760	9,262	502	5.7%
65.4%	8,709	9,163	453	5.2%
66.7%	8,667	9,122	455	5.3%
67.9%	8,575	9,034	459	5.4%
69.1%	8,517	8,962	445	5.2%
70.4%	8,482	8,923	441	5.2%
71.6%	8,465	8,593	128	1.5%
72.8%	8,337	8,573	236	2.8%
74.1%	8,308	8,559	251	3.0%
75.3%	8,045	8,488	443	5.5%
76.5%	7,980	8,446	466	5.8%
77.8%	7,961	8,282	321	4.0%
79.0%	7,943	8,256	313	3.9%
80.2%	7,914	7,935	21	0.3%
81.5%	7,904	7,904	1	0.0%
82.7%	7,881	7,780	-102	-1.3%
84.0%	7,873	7,708	-168	-2.1%
85.2%	7,541	7,655	114	1.5%
86.4%	7,360	7,563	203	2.8%
87.7%	7,173	7,536	363	5.1%
88.9%	6,502	7,489	986	15.2%
90.1%	6,476	7,085	609	9.4%
91.4%	6,475	6,753	278	4.3%
92.6%	6,475	6,473	-3	0.0%
93.8%	6,472	6,257	-215	-3.3%
95.1%	6,207	6,102	-105	-1.7%
96.3%	5,697	6,102	404	7.1%
97.5%	5,405	6,020	615	11.4%
98.8%	5,362	5,690	328	6.1%
100.0%	3,761	4,802	1,041	27.7%

Percent Exceedance Probability (%)	August			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,733	14,112	379	2.8%
1.2%	13,192	13,192	0	0.0%
2.5%	12,693	12,938	245	1.9%
3.7%	12,689	12,828	138	1.1%
4.9%	12,641	12,744	103	0.8%
6.2%	12,414	12,631	217	1.7%
7.4%	12,172	12,204	32	0.3%
8.6%	11,772	12,147	375	3.2%
9.9%	11,568	12,018	450	3.9%
11.1%	11,283	11,823	540	4.8%
12.3%	11,042	11,392	350	3.2%
13.6%	11,010	11,314	304	2.8%
14.8%	11,000	11,240	240	2.2%
16.0%	10,996	11,216	220	2.0%
17.3%	10,895	11,121	225	2.1%
18.5%	10,726	11,093	367	3.4%
19.8%	10,279	11,039	760	7.4%
21.0%	10,259	10,929	671	6.5%
22.2%	10,150	10,795	645	6.4%
23.5%	10,009	10,361	352	3.5%
24.7%	10,003	10,189	185	1.9%
25.9%	9,951	10,185	233	2.3%
27.2%	9,559	10,161	601	6.3%
28.4%	9,255	10,155	630	6.8%
29.6%	9,253	10,062	579	6.3%
30.9%	9,449	10,007	558	5.9%
32.1%	9,411	9,874	463	4.9%
33.3%	9,370	9,844	474	5.1%
34.6%	9,368	9,807	439	4.7%
35.8%	9,354	9,805	452	4.8%
37.0%	9,343	9,781	438	4.7%
38.3%	9,135	9,708	573	6.3%
39.5%	9,128	9,694	566	6.2%
40.7%	9,092	9,619	527	5.8%
42.0%	9,017	9,503	486	5.4%
43.2%	8,915	9,583	668	7.5%
44.4%	8,991	9,437	446	5.0%
45.7%	8,947	9,377	430	4.8%
46.9%	8,926	9,331	404	4.5%
48.1%	8,884	9,287	403	4.5%
49.4%	8,797	9,233	436	5.0%
50.6%	8,759	9,228	469	5.4%
51.9%	8,713	9,178	465	5.3%
53.1%	8,670	9,864	1,194	13.8%
54.3%	8,667	8,952	286	3.3%
55.6%	8,416	8,914	498	5.9%
56.8%	8,323	8,846	523	6.3%
58.0%	8,169	8,667	498	6.1%
59.3%	7,970	8,333	362	4.5%
60.5%	7,941	8,055	115	1.4%
61.7%	7,914	8,031	117	1.5%
63.0%	7,905	7,994	89	1.1%
64.2%	7,866	7,946	80	1.0%
65.4%	7,797	7,899	102	1.3%
66.7%	7,734	7,859	124	1.6%
67.9%	7,585	7,791	207	2.7%
69.1%	7,576	7,776	200	2.6%
70.4%	7,443	7,766	324	4.3%
71.6%	7,394	7,755	361	4.9%
72.8%	7,271	7,719	449	6.2%
74.1%	7,187	7,661	475	6.6%
75.3%	7,134	7,680	527	7.4%
76.5%	7,120	7,659	539	7.6%
77.8%	7,109	7,654	545	7.7%
79.0%	7,067	7,606	539	7.6%
80.2%	6,860	7,574	713	10.4%
81.5%	6,845	7,480	635	9.3%
82.7%	6,794	7,043	249	3.7%
84.0%	6,533	7,019	386	5

**Figure SW-21-b**  
**Feather River at Thermalito Low Flow Channel, Monthly Flow**  
**Probability of Exceedance**

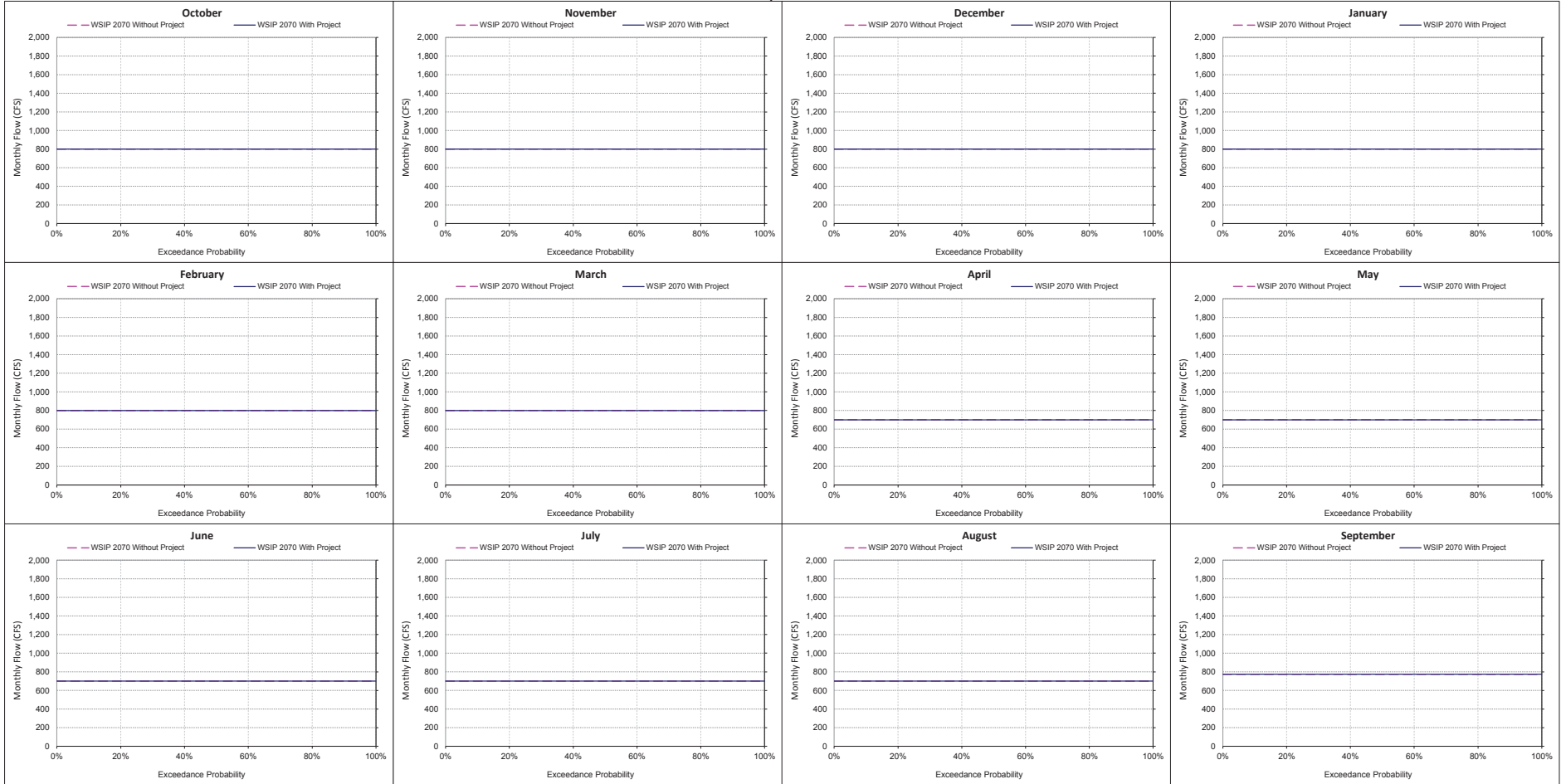










Figure SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

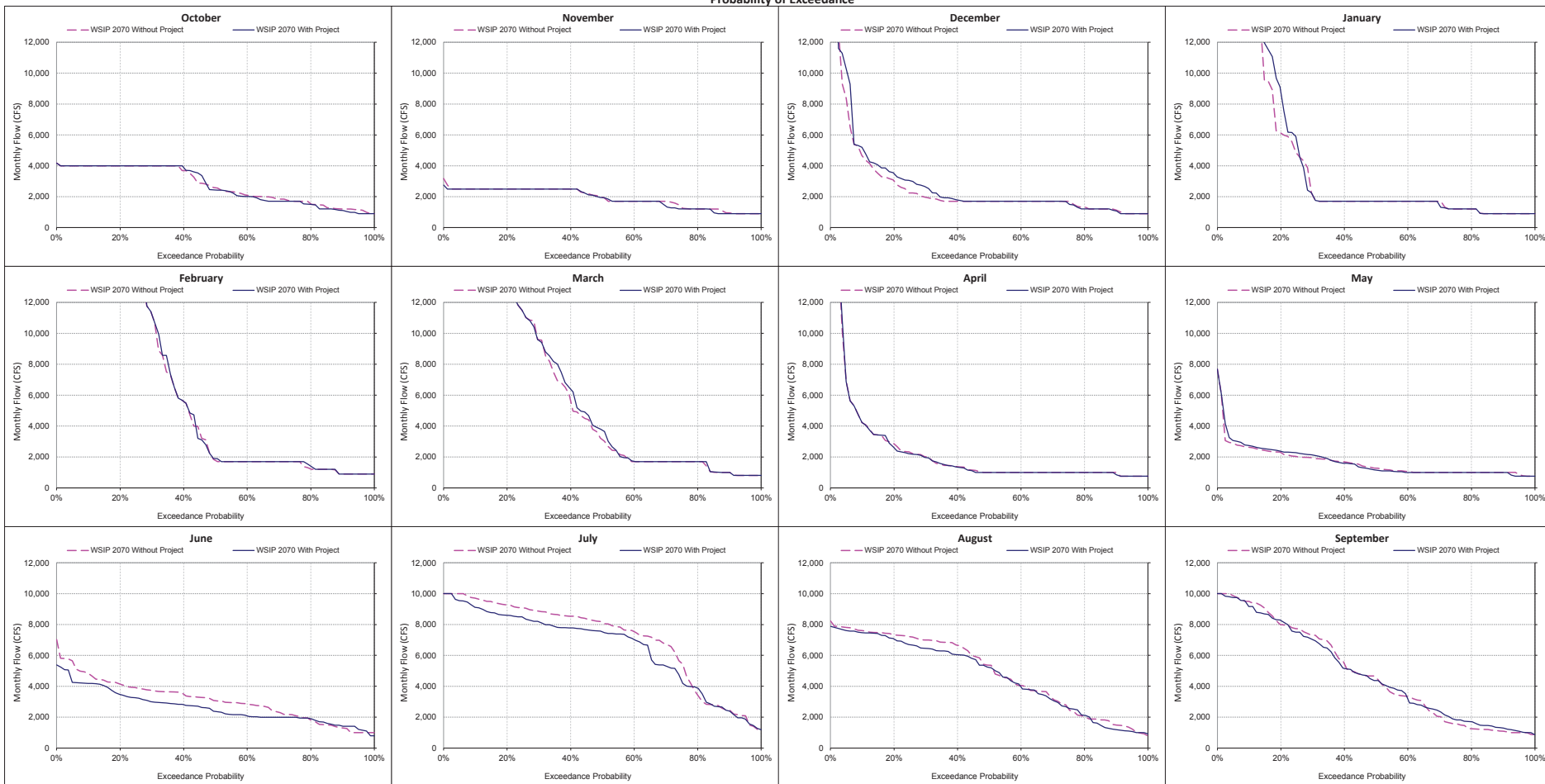


Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,180	4,178	-2	0.0%	
1.2%	4,000	4,000	0	0.0%	
2.5%	4,000	4,000	0	0.0%	
3.7%	4,000	4,000	0	0.0%	
4.9%	4,000	4,000	0	0.0%	
6.2%	4,000	4,000	0	0.0%	
7.4%	4,000	4,000	0	0.0%	
8.6%	4,000	4,000	0	0.0%	
9.9%	4,000	4,000	0	0.0%	
11.1%	4,000	4,000	0	0.0%	
12.3%	4,000	4,000	0	0.0%	
13.6%	4,000	4,000	0	0.0%	
14.8%	4,000	4,000	0	0.0%	
16.0%	4,000	4,000	0	0.0%	
17.3%	4,000	4,000	0	0.0%	
18.5%	4,000	4,000	0	0.0%	
19.8%	4,000	4,000	0	0.0%	
21.0%	4,000	4,000	0	0.0%	
22.2%	4,000	4,000	0	0.0%	
23.5%	4,000	4,000	0	0.0%	
24.7%	4,000	4,000	0	0.0%	
25.9%	4,000	4,000	0	0.0%	
27.2%	4,000	4,000	0	0.0%	
28.4%	4,000	4,000	0	0.0%	
29.6%	4,000	4,000	0	0.0%	
30.9%	4,000	4,000	0	0.0%	
32.1%	4,000	4,000	0	0.0%	
33.3%	4,000	4,000	0	0.0%	
34.6%	4,000	4,000	0	0.0%	
35.8%	4,000	4,000	0	0.0%	
37.0%	4,000	4,000	0	0.0%	
38.3%	4,000	4,000	0	0.0%	
39.5%	3,693	4,000	307	8.3%	
40.7%	3,683	4,000	317	8.6%	
42.0%	3,507	3,687	180	5.1%	
43.2%	3,261	3,507	246	7.5%	
44.4%	2,880	3,530	651	22.6%	
45.7%	2,869	3,362	493	17.2%	
46.9%	2,816	2,869	53	1.9%	
48.1%	2,718	2,454	-264	-9.7%	
49.4%	2,590	2,435	-155	-6.0%	
50.6%	2,569	2,423	-146	-5.7%	
51.9%	2,415	2,418	3	0.1%	
53.1%	2,341	2,387	46	2.0%	
54.3%	2,324	2,334	10	0.4%	
55.6%	2,318	2,231	-87	-3.8%	
56.8%	2,265	2,070	-195	-8.6%	
58.0%	2,210	2,031	-179	-8.1%	
59.3%	2,116	2,013	-103	-4.9%	
60.5%	2,074	2,010	-64	-3.1%	
61.7%	2,023	1,989	-34	-1.7%	
63.0%	2,011	1,928	-83	-4.2%	
64.2%	2,010	1,800	-210	-10.4%	
65.4%	1,987	1,748	-239	-12.0%	
66.7%	1,987	1,700	-287	-14.4%	
67.9%	1,954	1,700	-254	-13.0%	
69.1%	1,865	1,700	-165	-8.9%	
70.4%	1,844	1,700	-144	-7.8%	
71.6%	1,843	1,700	-143	-7.7%	
72.8%	1,758	1,700	-58	-3.3%	
74.1%	1,713	1,700	-13	-0.8%	
75.3%	1,700	1,700	0	0.0%	
76.5%	1,700	1,700	0	0.0%	
77.8%	1,700	1,599	-101	-5.9%	
79.0%	1,700	1,522	-178	-10.5%	
80.2%	1,501	1,504	3	0.2%	
81.5%	1,491	1,472	-19	-1.3%	
82.7%	1,473	1,200	-273	-18.5%	
84.0%	1,454	1,200	-254	-17.4%	
85.2%	1,287	1,200	-87	-6.7%	
86.4%	1,274	1,200	-74	-5.8%	
87.7%	1,225	1,179	-46	-3.7%	
88.9%	1,213	1,126	-87	-7.2%	
90.1%	1,200	1,100	-100	-8.3%	
91.4%	1,200	1,031	-169	-14.1%	
92.6%	1,200	981	-219	-18.3%	
93.8%	1,164	980	-184	-15.8%	
95.1%	1,160	900	-260	-22.4%	
96.3%	1,121	900	-221	-19.7%	
97.5%	991	900	-91	-9.2%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,171	2,744	-427	-13.5%	
1.2%	2,741	2,500	-241	-8.8%	
2.5%	2,500	2,500	0	0.0%	
3.7%	2,500	2,500	0	0.0%	
4.9%	2,500	2,500	0	0.0%	
6.2%	2,500	2,500	0	0.0%	
7.4%	2,500	2,500	0	0.0%	
8.6%	2,500	2,500	0	0.0%	
9.9%	2,500	2,500	0	0.0%	
11.1%	2,500	2,500	0	0.0%	
12.3%	2,500	2,500	0	0.0%	
13.6%	2,500	2,500	0	0.0%	
14.8%	2,500	2,500	0	0.0%	
16.0%	2,500	2,500	0	0.0%	
17.3%	2,500	2,500	0	0.0%	
18.5%	2,500	2,500	0	0.0%	
19.8%	2,500	2,500	0	0.0%	
21.0%	2,500	2,500	0	0.0%	
22.2%	2,500	2,500	0	0.0%	
23.5%	2,500	2,500	0	0.0%	
24.7%	2,500	2,500	0	0.0%	
25.9%	2,500	2,500	0	0.0%	
27.2%	2,500	2,500	0	0.0%	
28.4%	2,500	2,500	0	0.0%	
29.6%	2,500	2,500	0	0.0%	
30.9%	2,500	2,500	0	0.0%	
32.1%	2,500	2,500	0	0.0%	
33.3%	2,500	2,500	0	0.0%	
34.6%	2,500	2,500	0	0.0%	
35.8%	2,500	2,500	0	0.0%	
37.0%	2,500	2,500	0	0.0%	
38.3%	2,500	2,500	0	0.0%	
39.5%	2,500	2,500	0	0.0%	
40.7%	2,500	2,500	0	0.0%	
42.0%	2,500	2,500	0	0.0%	
43.2%	2,299	2,299	0	0.0%	
44.4%	2,260	2,241	-19	-0.8%	
45.7%	2,184	2,116	-68	-3.1%	
46.9%	2,094	2,106	12	0.6%	
48.1%	2,073	2,007	-66	-3.2%	
49.4%	2,008	1,950	-58	-2.9%	
50.6%	1,924	1,914	-10	-0.5%	
51.9%	1,700	1,848	147	8.7%	
53.1%	1,700	1,700	0	0.0%	
54.3%	1,700	1,700	0	0.0%	
55.6%	1,700	1,700	0	0.0%	
56.8%	1,700	1,700	0	0.0%	
58.0%	1,700	1,700	0	0.0%	
59.3%	1,700	1,700	0	0.0%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,512	-188	-11.1%	
70.4%	1,700	1,332	-368	-21.6%	
71.6%	1,648	1,279	-369	-22.4%	
72.8%	1,684	1,273	-411	-19.6%	
74.1%	1,471	1,200	-271	-18.4%	
75.3%	1,248	1,200	-48	-3.8%	
76.5%	1,224	1,200	-24	-1.9%	
77.8%	1,200	1,200	0	0.0%	
79.0%	1,200	1,200	0	0.0%	
80.2%	1,200	1,200	0	0.0%	
81.5%	1,200	1,200	0	0.0%	
82.7%	1,200	1,200	0	0.0%	
84.0%	1,200	1,191	-9	-0.8%	
85.2%	1,200	949	-251	-20.9%	
86.4%	1,200	901	-299	-24.9%	
87.7%	1,084	900	-184	-17.8%	
88.9%	961	900	-61	-6.4%	
90.1%	945	900	-45	-4.8%	
91.4%	900	900	0	0.0%	
92.6%	900	900	0	0.0%	
93.8%	900	900	0	0.0%	
95.1%	900	900	0	0.0%	
96.3%	900	900	0	0.0%	
97.5%	900	900	0	0.0%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	28,950	31,728	2,778	9.6%	
1.2%	20,053	20,368	315	1.6%	
2.5%	12,911	11,595	-1,316	-10.2%	
3.7%	9,291	11,297	2,006	21.6%	
4.9%	8,376	10,295	1,919	22.9%	
6.2%	6,508	9,298	2,790	42.9%	
7.4%	5,388	5,386	-2	0.0%	
8.6%	5,277	5,313	36	0.7%	
9.9%	4,668	5,205	537	11.5%	
11.1%	4,353	4,777	423	9.7%	
12.3%	4,141	4,250	108	2.6%	
13.6%	3,773	4,181	408	10.8%	
14.8%	3,528	4,073	545	15.4%	
16.0%	3,293	3,861	568	17.2%	
17.3%	3,267	3,860	593	18.2%	
18.5%	3,172	3,619	447	14.1%	
19.8%	3,083	3,551	468	15.2%	
21.0%	2,758	3,277	519	18.8%	
22.2%	2,805	3,173	367	21.8%	
23.5%	2,518	3,076	558	22.2%	
24.7%	2,243	3,049	806	35.9%	
25.9%	2,561	2,996	435	17.0%	
27.2%	2,205	2,806	601	27.3%	
28.4%	2,047	2,756	709	34.6%	
29.6%	1,972	2,657	685	34.7%	
30.9%	1,923	2,525	602	31.3%	
32.1%	1,861	2,244	384	20.6%	
33.3%	1,847	2,240	393	21.3%	
34.6%	1,759	1,986	227	12.9%	
35.8%	1,702	1,823	121	7.1%	
37.0%	1,700	1,921	221	13.0%	
38.3%	1,700	1,881	181	10.6%	
39.5%	1,700	1,806	106	6.2%	
40.7%	1,700	1,758	58	3.4%	
42.0%	1,700	1,700	0	0.0%	
43.2%	1,700	1,700	0	0.0%	
44.4%	1,700	1,700	0	0.0%	
45.7%	1,700	1,700	0	0.0%	
46.9%	1,700	1,700	0	0.0%	
48.1%	1,700	1,700	0	0.0%	
49.4%	1,700	1,700	0	0.0%	
50.6%	1,700	1,700	0	0.0%	
51.9%	1,700	1,700	0	0.0%	
53.1%	1,700	1,700	0	0.0%	
54.3%	1,700	1,700	0	0.0%	
55.6%	1,700	1,700	0	0.0%	
56.8%	1,700	1,700	0	0.0%	
58.0%	1,700	1,700	0	0.0%	
59.3%	1,700	1,700	0	0.0%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,700	0	0.0%	
70.4%	1,700	1,700	0	0.0%	
71.6%	1,700	1,700	0	0.0%	
72.8%	1,700	1,700	0	0.0%	
74.1%	1,700	1,694	-6	-0.4%	
75.3%	1,700	1,500			

Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	48,991	48,991	0	0.0%	
1.2%	39,769	41,219	1,450	3.6%	
2.5%	37,252	40,168	2,916	7.8%	
3.7%	37,157	37,252	95	0.3%	
4.9%	33,914	33,895	-19	-0.1%	
6.2%	33,895	30,680	-3,215	-9.5%	
7.4%	27,950	27,950	0	0.0%	
8.6%	26,002	26,002	0	0.0%	
9.9%	25,834	25,996	162	0.6%	
11.1%	24,898	25,834	936	3.8%	
12.3%	22,618	23,307	689	3.0%	
13.6%	21,552	21,545	-7	0.0%	
14.8%	21,225	21,200	-25	-0.1%	
16.0%	20,169	20,497	328	1.6%	
17.3%	19,898	19,898	0	0.0%	
18.5%	18,693	18,916	223	1.2%	
19.8%	18,665	18,665	0	0.0%	
21.0%	18,556	18,556	0	0.0%	
22.2%	17,160	17,160	0	0.0%	
23.5%	17,083	17,082	-1	0.0%	
24.7%	16,494	16,494	0	0.0%	
25.9%	16,057	16,057	0	0.0%	
27.2%	12,995	14,931	1,936	14.9%	
28.4%	11,770	11,770	0	0.0%	
29.6%	11,425	11,425	0	0.0%	
30.9%	10,687	10,687	0	0.0%	
32.1%	8,897	9,949	1,052	11.8%	
33.3%	8,581	8,581	0	0.0%	
34.6%	7,506	8,572	1,065	14.2%	
35.8%	7,311	7,361	50	0.7%	
37.0%	6,511	6,510	-1	0.0%	
38.3%	5,805	5,798	-8	-0.1%	
39.5%	5,667	5,667	0	0.0%	
40.7%	5,476	5,476	-1	0.0%	
42.0%	4,727	4,848	121	2.6%	
43.2%	3,995	4,125	130	3.3%	
44.4%	3,979	3,199	-781	-19.6%	
45.7%	3,199	3,097	-101	-3.2%	
46.9%	3,111	2,796	-315	-10.1%	
48.1%	2,241	2,244	3	0.2%	
49.4%	1,842	1,894	52	2.8%	
50.6%	1,700	1,888	188	11.0%	
51.9%	1,700	1,700	0	0.0%	
53.1%	1,700	1,700	0	0.0%	
54.3%	1,700	1,700	0	0.0%	
55.6%	1,700	1,700	0	0.0%	
56.8%	1,700	1,700	0	0.0%	
58.0%	1,700	1,700	0	0.0%	
59.3%	1,700	1,700	0	0.0%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,700	0	0.0%	
70.4%	1,700	1,700	0	0.0%	
71.6%	1,700	1,700	0	0.0%	
72.8%	1,700	1,700	0	0.0%	
74.1%	1,700	1,700	0	0.0%	
75.3%	1,700	1,700	0	0.0%	
76.5%	1,700	1,700	0	0.0%	
77.8%	1,376	1,700	324	23.5%	
79.0%	1,307	1,548	240	18.4%	
80.2%	1,200	1,373	173	14.4%	
81.5%	1,200	1,200	0	0.0%	
82.7%	1,200	1,200	0	0.0%	
84.0%	1,200	1,050	-150	-12.5%	
85.2%	1,200	1,200	0	0.0%	
86.4%	1,200	1,200	0	0.0%	
87.7%	1,168	1,200	32	2.7%	
88.9%	900	900	0	0.0%	
90.1%	900	900	0	0.0%	
91.4%	900	900	0	0.0%	
92.6%	900	900	0	0.0%	
93.8%	900	900	0	0.0%	
95.1%	900	900	0	0.0%	
96.3%	900	900	0	0.0%	
97.5%	900	900	0	0.0%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	44,804	44,804	0	0.0%	
1.2%	42,912	42,917	5	0.0%	
2.5%	35,558	35,553	-5	-0.6%	
3.7%	35,353	34,571	-782	-2.2%	
4.9%	34,571	34,497	-74	-0.2%	
6.2%	31,173	31,173	0	0.0%	
7.4%	20,771	20,771	0	0.0%	
8.6%	19,083	19,083	0	0.0%	
9.9%	18,671	18,671	0	0.0%	
11.1%	18,143	18,143	0	0.0%	
12.3%	17,405	17,405	0	0.0%	
13.6%	17,030	17,030	0	0.0%	
14.8%	15,545	15,545	0	0.0%	
16.0%	14,851	14,845	-7	0.0%	
17.3%	13,977	14,025	49	0.3%	
18.5%	13,936	13,977	40	0.3%	
19.8%	13,124	13,936	812	6.2%	
21.0%	13,040	13,124	85	0.6%	
22.2%	12,349	12,349	0	0.0%	
23.5%	11,823	11,823	0	0.0%	
24.7%	11,499	11,499	0	0.0%	
25.9%	11,027	11,027	0	0.0%	
27.2%	10,862	10,816	-45	-0.4%	
28.4%	10,816	10,425	-391	-3.6%	
29.6%	9,596	9,596	0	0.0%	
30.9%	9,561	9,412	-149	-1.6%	
32.1%	8,539	8,797	257	3.0%	
33.3%	8,187	8,539	352	4.3%	
34.6%	7,503	8,167	663	8.9%	
35.8%	6,938	8,010	1,072	15.4%	
37.0%	6,806	7,502	696	10.2%	
38.3%	6,512	6,806	294	4.5%	
39.5%	6,047	6,512	464	7.7%	
40.7%	4,966	6,208	1,242	25.0%	
42.0%	4,914	5,184	270	5.5%	
43.2%	4,827	4,676	-151	-3.1%	
44.4%	4,497	4,914	417	9.3%	
45.7%	4,405	4,670	266	6.0%	
46.9%	3,793	4,066	274	7.2%	
48.1%	3,646	3,921	275	7.5%	
49.4%	3,212	3,804	591	18.4%	
50.6%	3,022	3,643	621	20.5%	
51.9%	2,666	3,022	357	13.4%	
53.1%	2,427	2,655	228	9.4%	
54.3%	2,409	2,426	18	0.7%	
55.6%	2,146	2,014	-133	-6.2%	
56.8%	2,094	1,957	-137	-6.5%	
58.0%	1,886	1,930	45	2.4%	
59.3%	1,700	1,747	47	2.8%	
60.5%	1,700	1,700	0	0.0%	
61.7%	1,700	1,700	0	0.0%	
63.0%	1,700	1,700	0	0.0%	
64.2%	1,700	1,700	0	0.0%	
65.4%	1,700	1,700	0	0.0%	
66.7%	1,700	1,700	0	0.0%	
67.9%	1,700	1,700	0	0.0%	
69.1%	1,700	1,700	0	0.0%	
70.4%	1,700	1,700	0	0.0%	
71.6%	1,700	1,700	0	0.0%	
72.8%	1,700	1,700	0	0.0%	
74.1%	1,700	1,700	0	0.0%	
75.3%	1,700	1,700	0	0.0%	
76.5%	1,700	1,700	0	0.0%	
77.8%	1,700	1,700	0	0.0%	
79.0%	1,700	1,700	0	0.0%	
80.2%	1,700	1,700	0	0.0%	
81.5%	1,700	1,700	0	0.0%	
82.7%	1,419	1,700	281	19.8%	
84.0%	1,050	1,041	-9	-0.9%	
85.2%	1,000	1,032	32	3.2%	
86.4%	1,000	1,007	7	0.7%	
87.7%	1,000	1,000	0	0.0%	
88.9%	1,000	1,000	0	0.0%	
90.1%	1,000	1,000	0	0.0%	
91.4%	800	800	0	0.0%	
92.6%	800	800	0	0.0%	
93.8%	800	800	0	0.0%	
95.1%	800	800	0	0.0%	
96.3%	800	800	0	0.0%	
97.5%	800	800	0	0.0%	
98.8%	800	800	0	0.0%	
100.0%	800	800	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	19,207	19,201	-6	0.0%	
1.2%	15,984	15,949	-35	-0.2%	
2.5%	15,081	15,082	1	0.0%	
3.7%	10,130	10,961	831	8.2%	
4.9%	6,894	6,890	-4	0.0%	
6.2%	5,637	5,630	-7	-0.1%	
7.4%	5,319	5,315	-4	-0.1%	
8.6%	4,770	4,766	-4	-0.1%	
9.9%	4,231	4,233	2	0.0%	
11.1%	4,071	4,066	-5	-0.1%	
12.3%	3,776	3,735	-41	-1.1%	
13.6%	3,440	3,456	16	0.5%	
14.8%	3,432	3,427	-5	-0.1%	
16.0%	3,400	3,408	8	0.3%	
17.3%	3,067	3,391	323	10.5%	
18.5%	2,982	2,897	-85	-2.9%	
19.8%	2,897	2,661	-236	-8.2%	
21.0%	2,669	2,382	-287	-10.8%	
22.2%	2,397	2,328	-69	-2.9%	
23.5%	2,349	2,274	-75	-3.2%	
24.7%	2,329	2,209	-120	-5.2%	
25.9%	2,211	2,181	-30	-1.3%	
27.2%	2,172	2,150	-22	-1.0%	
28.4%	2,154	2,111	-43	-2.0%	
29.6%	2,016	1,964	-51	-2.5%	
30.9%	2,007	1,929	-78	-3.9%	
32.1%	1,751	1,745	-6	-0.4%	
33.3%	1,584	1,675	92	5.8%	
34.6%	1,544	1,576	32	2.1%	
35.8%	1,454	1,509	55	3.8%	
37.0%	1,450	1,445	-5	-0.4%	
38.3%	1,428	1,424	-4	-0.3%	
39.5%	1,380	1,348	-32	-2.3%	
40.7%	1,351	1,317	-34	-2.5%	
42.0%	1,342	1,289	-53	-4.0%	
43.2%	1,178	1,150	-28	-2.4%	
44.4%	1,151	1,117	-35	-3.0%	
45.7%	1,126	1,000	-126	-11.2%	
46.9%	1,049	1,000	-49	-4.6%	
48.1%	1,000	1,000	0	0.0%	
49.4%	1,000	1,000	0	0.0%	
50.6%	1,000	1,000	0	0.0%	
51.9%	1,000	1,000	0	0.0%	
53.1%	1,000	1,000	0	0.0%	
54.3%	1,000	1,000	0	0.0%	
55.6%	1,000	1,000	0	0.0%	
56.8%	1,000	1,000	0	0.0%	
58.0%	1,000	1,000	0	0.0%	
59.3%	1,000	1,000	0	0.0%	
60.5%	1,000	1,000	0	0.0%	
61.7%	1,000	1,000	0	0.0%	
63.0%	1,000	1,000	0	0.0%	
64.2%	1,000	1,000	0	0.0%	
65.4%	1,000	1,000	0	0.0%	
66.7%	1,000	1,000	0	0.0%	
67.9%	1,000	1,000	0	0.0%	
69.1%	1,000	1,000	0	0.0%	
70.4%	1,000	1,000	0	0.0%	
71.6%	1,000	1,000	0	0.0%	
72.8%	1,000	1,000	0	0.0%	
74.1%	1,000	1,000	0		

Table SW-22-b  
Feather River below Thermalito, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,027	5,383	-1,644	-23.4%
1.2%	5,815	5,251	-564	-9.7%
2.5%	5,800	5,071	-730	-12.6%
3.7%	5,765	5,050	-715	-12.4%
4.9%	5,649	4,254	-1,395	-24.7%
6.2%	5,112	4,243	-869	-17.0%
7.4%	4,984	4,219	-765	-15.4%
8.6%	4,842	4,169	-672	-13.9%
9.9%	4,844	4,192	-651	-13.4%
11.1%	4,662	4,184	-478	-10.2%
12.3%	4,463	4,159	-304	-6.8%
13.6%	4,455	4,130	-325	-7.3%
14.8%	4,395	4,053	-342	-7.8%
16.0%	4,278	3,935	-341	-8.0%
17.3%	4,268	3,737	-531	-12.4%
18.5%	4,254	3,586	-668	-15.7%
19.8%	4,156	3,481	-674	-16.2%
21.0%	4,072	3,415	-657	-16.1%
22.2%	3,976	3,333	-642	-16.2%
23.5%	3,938	3,271	-667	-16.9%
24.7%	3,917	3,263	-654	-16.7%
25.9%	3,853	3,224	-629	-16.3%
27.2%	3,824	3,137	-687	-18.0%
28.4%	3,788	3,094	-694	-18.3%
29.6%	3,742	2,996	-746	-19.9%
30.9%	3,701	2,970	-732	-19.8%
32.1%	3,667	2,947	-720	-19.6%
33.3%	3,650	2,933	-717	-19.7%
34.6%	3,642	2,922	-720	-19.8%
35.8%	3,641	2,883	-758	-20.8%
37.0%	3,631	2,861	-770	-21.2%
38.3%	3,622	2,834	-787	-21.7%
39.5%	3,561	2,828	-733	-20.6%
40.7%	3,376	2,763	-612	-18.1%
42.0%	3,337	2,745	-592	-17.7%
43.2%	3,325	2,725	-600	-18.0%
44.4%	3,296	2,720	-576	-17.5%
45.7%	3,274	2,624	-650	-19.9%
46.9%	3,264	2,605	-659	-20.2%
48.1%	3,214	2,580	-634	-19.7%
49.4%	3,079	2,390	-690	-22.4%
50.6%	3,050	2,368	-682	-22.7%
51.9%	3,047	2,311	-736	-24.2%
53.1%	2,964	2,212	-752	-25.4%
54.3%	2,953	2,178	-775	-26.2%
55.6%	2,935	2,166	-769	-26.2%
56.8%	2,935	2,166	-769	-26.2%
58.0%	2,894	2,166	-728	-25.2%
59.3%	2,879	2,135	-744	-25.8%
60.5%	2,829	2,037	-792	-28.0%
61.7%	2,804	2,031	-773	-27.6%
63.0%	2,754	2,030	-724	-26.3%
64.2%	2,738	2,000	-738	-27.0%
65.4%	2,694	2,000	-694	-25.8%
66.7%	2,631	2,000	-631	-24.0%
67.9%	2,412	2,000	-412	-17.1%
69.1%	2,357	2,000	-357	-15.1%
70.4%	2,291	2,000	-291	-12.7%
71.6%	2,178	2,000	-178	-8.2%
72.8%	2,175	1,997	-178	-8.2%
74.1%	2,166	1,995	-171	-7.9%
75.3%	2,092	1,985	-107	-5.1%
76.5%	2,033	1,948	-86	-4.2%
77.8%	1,955	1,946	-9	-0.5%
79.0%	1,952	1,934	-18	-0.9%
80.2%	1,777	1,882	106	5.9%
81.5%	1,693	1,781	88	5.2%
82.7%	1,633	1,695	62	3.8%
84.0%	1,521	1,663	142	9.3%
85.2%	1,499	1,602	104	6.9%
86.4%	1,478	1,551	73	5.0%
87.7%	1,393	1,482	89	6.4%
88.9%	1,331	1,475	144	10.8%
90.1%	1,300	1,419	119	9.2%
91.4%	1,264	1,416	152	12.0%
92.6%	1,000	1,413	413	41.3%
93.8%	1,000	1,413	413	41.3%
95.1%	1,000	1,210	210	21.0%
96.3%	1,000	1,156	156	15.6%
97.5%	1,000	1,101	101	10.1%
98.8%	1,000	800	-200	-20.0%
100.0%	1,000	800	-200	-20.0%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	9,637	-363	-3.6%
4.9%	10,000	9,538	-462	-4.6%
6.2%	10,000	9,533	-467	-4.7%
7.4%	9,864	9,450	-414	-4.2%
8.6%	9,748	9,263	-484	-4.9%
9.9%	9,714	9,118	-595	-6.1%
11.1%	9,641	9,076	-565	-5.9%
12.3%	9,584	8,982	-602	-6.3%
13.6%	9,501	8,844	-656	-6.9%
14.8%	9,494	8,766	-728	-7.7%
16.0%	9,413	8,754	-659	-7.0%
17.3%	9,357	8,651	-706	-7.5%
18.5%	9,309	8,624	-685	-7.4%
19.8%	9,278	8,607	-671	-7.2%
21.0%	9,257	8,592	-665	-7.2%
22.2%	9,145	8,536	-609	-6.7%
23.5%	9,097	8,506	-591	-6.5%
24.7%	9,092	8,500	-592	-6.5%
25.9%	9,053	8,349	-704	-7.8%
27.2%	8,954	8,272	-682	-7.6%
28.4%	8,923	8,209	-714	-8.0%
29.6%	8,876	8,176	-699	-7.9%
30.9%	8,835	8,098	-736	-8.3%
32.1%	8,818	7,987	-831	-9.4%
33.3%	8,694	7,985	-709	-8.2%
34.6%	8,664	7,896	-768	-8.9%
35.8%	8,641	7,813	-828	-9.6%
37.0%	8,579	7,798	-781	-9.1%
38.3%	8,564	7,789	-775	-9.0%
39.5%	8,542	7,786	-756	-8.8%
40.7%	8,537	7,777	-760	-8.9%
42.0%	8,533	7,747	-785	-9.2%
43.2%	8,446	7,724	-722	-8.5%
44.4%	8,406	7,677	-729	-8.7%
45.7%	8,322	7,637	-685	-8.2%
46.9%	8,272	7,605	-667	-8.1%
48.1%	8,218	7,594	-624	-7.6%
49.4%	8,194	7,570	-624	-7.6%
50.6%	8,052	7,466	-586	-7.3%
51.9%	8,037	7,422	-615	-7.7%
53.1%	7,922	7,416	-505	-6.4%
54.3%	7,865	7,394	-471	-6.0%
55.6%	7,838	7,386	-452	-5.8%
56.8%	7,852	7,363	-489	-6.2%
58.0%	7,625	7,196	-429	-5.6%
59.3%	7,618	7,111	-507	-6.7%
60.5%	7,483	6,980	-503	-6.7%
61.7%	7,314	6,866	-447	-6.1%
63.0%	7,266	6,700	-566	-7.8%
64.2%	7,252	6,668	-583	-8.0%
65.4%	7,179	6,507	-671	-9.3%
66.7%	6,984	6,423	-561	-8.0%
67.9%	6,983	6,384	-599	-8.6%
69.1%	6,799	6,379	-420	-6.2%
70.4%	6,708	6,273	-435	-6.5%
71.6%	6,572	6,184	-388	-5.9%
72.8%	6,207	5,168	-1,038	-16.7%
74.1%	5,663	4,770	-893	-15.8%
75.3%	5,429	4,177	-1,252	-23.1%
76.5%	4,626	4,017	-609	-13.2%
77.8%	4,199	3,975	-224	-5.3%
79.0%	3,730	3,964	234	6.3%
80.2%	3,362	3,851	489	14.6%
81.5%	3,009	3,500	490	16.3%
82.7%	2,835	2,975	140	4.9%
84.0%	2,817	2,868	50	1.8%
85.2%	2,809	2,713	-96	-3.4%
86.4%	2,758	2,672	-86	-3.0%
87.7%	2,581	2,662	81	3.1%
88.9%	2,478	2,453	-25	-1.0%
90.1%	2,441	2,382	-59	-2.4%
91.4%	2,252	2,159	-93	-4.1%
92.6%	2,164	1,964	-200	-9.3%
93.8%	2,104	1,963	-141	-6.7%
95.1%	2,093	1,881	-212	-10.1%
96.3%	1,488	1,558	70	4.7%
97.5%	1,411	1,469	57	4.0%
98.8%	1,212	1,270	58	4.8%
100.0%	1,000	1,182	182	18.2%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,233	7,888	-345	-4.2%
1.2%	7,892	7,822	-71	-0.9%
2.5%	7,885	7,749	-135	-1.7%
3.7%	7,844	7,677	-168	-2.1%
4.9%	7,814	7,614	-200	-2.6%
6.2%	7,791	7,574	-216	-2.8%
7.4%	7,727	7,567	-160	-2.1%
8.6%	7,659	7,513	-146	-1.9%
9.9%	7,607	7,468	-139	-1.8%
11.1%	7,579	7,447	-132	-1.7%
12.3%	7,508	7,447	-61	-0.8%
13.6%	7,487	7,439	-48	-0.6%
14.8%	7,476	7,426	-50	-0.7%
16.0%	7,474	7,306	-168	-2.2%
17.3%	7,432	7,285	-147	-2.0%
18.5%	7,422	7,128	-294	-4.0%
19.8%	7,341	7,096	-244	-3.3%
21.0%	7,312	6,942	-369	-5.0%
22.2%	7,289	6,927	-362	-5.0%
23.5%	7,294	6,765	-529	-7.3%
24.7%	7,221	6,702	-519	-7.2%
25.9%	7,184	6,675	-509	-7.1%
27.2%	7,104	6,616	-489	-6.9%
28.4%	7,020	6,487	-533	-7.6%
29.6%	6,967	6,466	-501	-7.2%
30.9%	6,995	6,440	-555	-7.9%
32.1%	6,974	6,411	-562	-8.1%
33.3%	6,951	6,315	-636	-9.1%
34.6%	6,864	6,291	-573	-8.3%
35.8%	6,848	6,284	-564	-8.2%
37.0%	6,847	6,251	-596	-8.7%
38.3%	6,828	6,077	-751	-11.0%
39.5%	6,676	6,043	-634	-9.5%
40.7%	6,625	6,031	-594	-9.0%
42.0%	6,463	6,010	-453	-7.0%
43.2%	6,421	5,802	-619	-9.6%
44.4%	6,405	5,809	-595	-9.3%
45.7%	6,318	5,718	-600	-9.5%
46.9%	6,272	5,371	-901	-14.4%
48.1%	6,258	5,363	-895	-14.3%
49.4%	6,244	5,244	-1,000	-16.0%
50.6%	6,151	5,198	-953	-15.5%
51.9%	6,122	5,010	-1,112	-18.2%
53.1%	6,053	4,888	-1,165	-19.3%
54.3%	6,044	4,596	-1,448	-24.0%
55.6%	6,038	4,579	-1,459	-24.2%
56.8%	6,031	4,559	-1,472	-24.4%
58.0%	6,024	4,217	-1,807	-30.0%
59.3%	6,017	4,144	-1,873	-31.3%
60.5%	6,010	3,826	-2,184	-36.3%
61.7%	6,003	3,808	-2,195	-36.6%
63.0%	6,000	3,771	-2,229	-37.2%
64.2%	6,000	3,759	-2,241	-37.4%
65.4%	6,000	3,521	-2,479	-41.3%
66.7%	6,000	3,470	-2,530	-42.2%
67.9%	6,000	3,380	-2,620	-43.7%
69.1%	6,000	3,194	-2,806	-46.8%
70.4%	6,000	3,049	-2,951	-49.2%
71.6%	6,000	2,945	-3,055	-50.9%
72.8%	6,000	2,723	-3,277	-54.6%
74.1%	6,000	2,677	-3,323	-55.4%
75.3%	6,000	2,560	-3,440	-57.3%
76.5%	6,000	2,424	-3,576	-59.6%
77.8%	6,000	2,477	-3,523	-58.7%
79.0%	6,000	2,152	-3,848	-64.1%
80.2%	6,000	2,104	-3,896	-64.9%
81.5%	6,000	2,008	-3,992	-66.5%
82.7%	6,000	1,856	-4,144	-69.1%
84.0%	6,000	1,610	-4,390	-73.2%
85.2%	6,000	1,468	-4,532	-75.5%
86.4%	6,000	1,330	-4,670	-77.8%
87.7%				

**Figure SW-23-b**  
**Feather River at Mouth, Monthly Flow**  
**Probability of Exceedance**

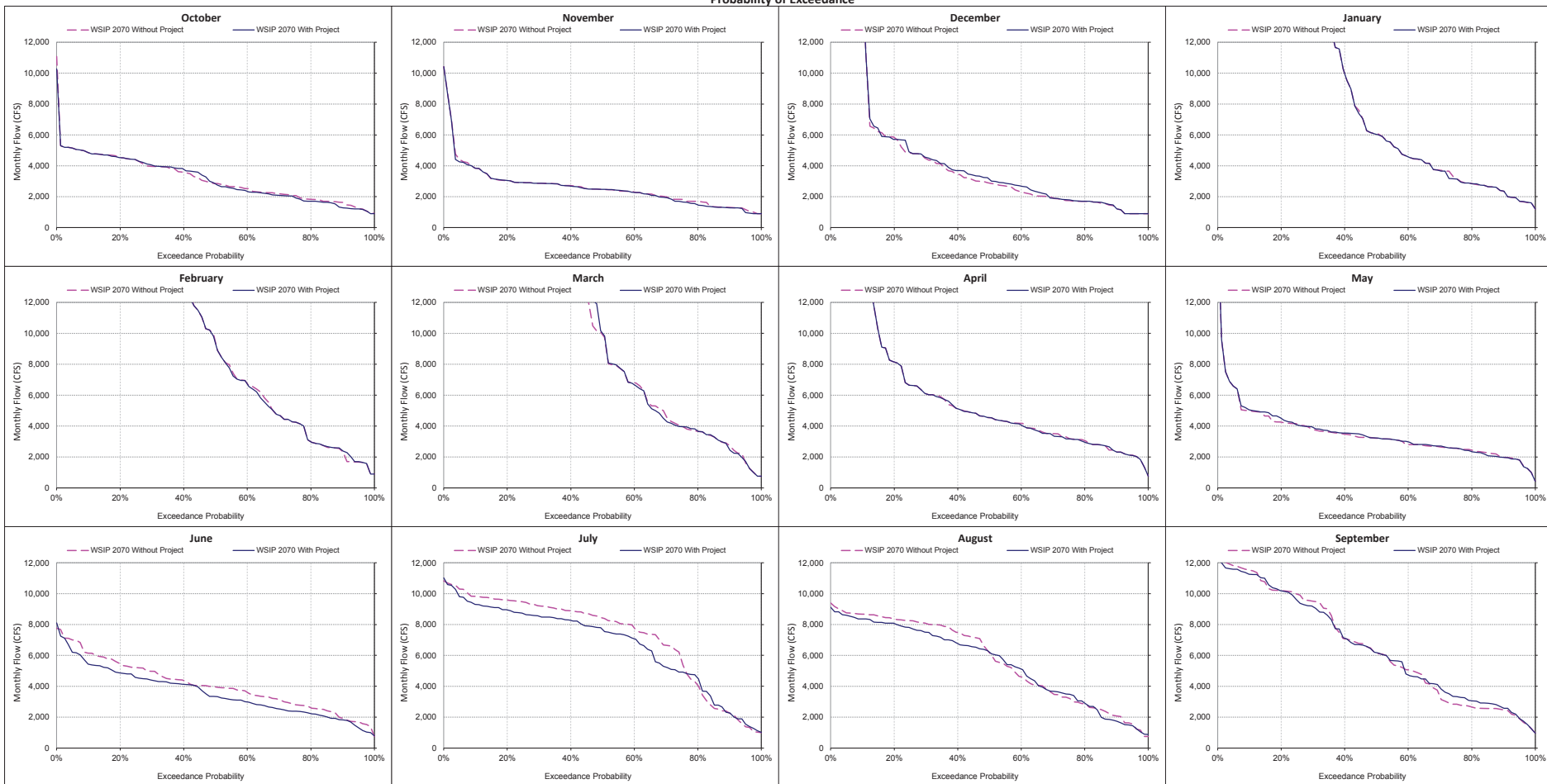


Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	11,079	10,285	-794	-7.2%	
1.2%	5,307	5,305	-2	0.0%	
2.5%	5,193	5,105	-88	-1.7%	
3.7%	5,192	5,192	0	0.0%	
4.9%	5,152	5,154	2	0.0%	
6.2%	5,051	5,052	1	0.0%	
7.4%	5,024	5,023	-1	0.0%	
8.6%	4,973	4,969	-4	-0.1%	
9.9%	4,857	4,861	4	0.1%	
11.1%	4,785	4,827	42	0.9%	
12.3%	4,768	4,772	4	0.1%	
13.6%	4,747	4,746	-1	0.0%	
14.8%	4,711	4,698	-12	-0.3%	
16.0%	4,698	4,697	-1	0.0%	
17.3%	4,685	4,623	-63	-1.3%	
18.5%	4,647	4,602	-45	-1.0%	
19.8%	4,525	4,535	10	0.2%	
21.0%	4,512	4,515	3	0.0%	
22.2%	4,453	4,453	0	0.0%	
23.5%	4,422	4,421	-2	0.0%	
24.7%	4,397	4,405	7	0.2%	
25.9%	4,284	4,294	10	0.2%	
27.2%	4,125	4,220	95	2.3%	
28.4%	3,988	4,114	126	3.2%	
29.6%	3,961	4,062	101	2.6%	
30.9%	3,956	3,987	31	0.8%	
32.1%	3,952	3,956	4	0.1%	
33.3%	3,935	3,953	18	0.5%	
34.6%	3,932	3,938	6	0.1%	
35.8%	3,818	3,937	119	3.1%	
37.0%	3,814	3,856	42	1.1%	
38.3%	3,820	3,824	4	0.1%	
39.5%	3,596	3,820	224	6.2%	
40.7%	3,549	3,671	123	3.5%	
42.0%	3,489	3,663	174	5.0%	
43.2%	3,326	3,509	183	5.5%	
44.4%	3,245	3,594	350	10.8%	
45.7%	3,063	3,402	339	11.1%	
46.9%	2,994	3,287	294	9.8%	
48.1%	2,921	3,001	81	2.8%	
49.4%	2,860	2,903	43	1.5%	
50.6%	2,851	2,847	-4	-0.1%	
51.9%	2,791	2,654	-138	-4.9%	
53.1%	2,745	2,645	-100	-3.6%	
54.3%	2,659	2,579	-80	-3.0%	
55.6%	2,652	2,544	-109	-4.1%	
56.8%	2,644	2,455	-189	-7.1%	
58.0%	2,600	2,433	-168	-6.4%	
59.3%	2,527	2,411	-115	-4.6%	
60.5%	2,520	2,309	-211	-8.4%	
61.7%	2,344	2,291	-53	-2.2%	
63.0%	2,312	2,294	-19	-0.8%	
64.2%	2,293	2,258	-35	-1.5%	
65.4%	2,268	2,211	-57	-2.5%	
66.7%	2,257	2,178	-79	-3.5%	
67.9%	2,256	2,111	-145	-6.4%	
69.1%	2,201	2,100	-102	-4.6%	
70.4%	2,180	2,066	-114	-5.2%	
71.6%	2,149	2,098	-51	-2.4%	
72.8%	2,128	2,055	-73	-3.4%	
74.1%	2,072	2,044	-28	-1.3%	
75.3%	2,071	1,918	-153	-7.4%	
76.5%	1,935	1,847	-88	-4.5%	
77.8%	1,854	1,726	-127	-6.9%	
79.0%	1,842	1,700	-142	-7.7%	
80.2%	1,821	1,700	-121	-6.7%	
81.5%	1,817	1,700	-117	-6.5%	
82.7%	1,789	1,677	-112	-6.3%	
84.0%	1,700	1,632	-68	-4.0%	
85.2%	1,700	1,630	-70	-4.1%	
86.4%	1,688	1,610	-78	-4.6%	
87.7%	1,676	1,533	-144	-8.6%	
88.9%	1,641	1,334	-307	-18.7%	
90.1%	1,629	1,270	-359	-22.0%	
91.4%	1,467	1,255	-212	-14.5%	
92.6%	1,441	1,228	-213	-14.8%	
93.8%	1,335	1,200	-135	-10.1%	
95.1%	1,232	1,200	-32	-2.6%	
96.3%	1,200	1,176	-24	-2.0%	
97.5%	1,061	1,067	6	0.6%	
98.8%	960	960	0	0.0%	
100.0%	912	900	-12	-1.3%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	10,419	10,420	0	0.0%	
1.2%	8,678	8,676	-2	0.0%	
2.5%	6,907	6,909	2	0.0%	
3.7%	4,750	4,407	-342	-7.2%	
4.9%	4,412	4,262	-150	-3.4%	
6.2%	4,261	4,215	-46	-1.1%	
7.4%	4,214	4,072	-142	-3.4%	
8.6%	4,011	4,020	9	0.2%	
9.9%	3,848	3,847	-1	0.0%	
11.1%	3,823	3,827	4	0.1%	
12.3%	3,613	3,613	0	0.0%	
13.6%	3,486	3,486	0	0.0%	
14.8%	3,176	3,189	13	0.4%	
16.0%	3,141	3,139	-2	0.0%	
17.3%	3,081	3,104	23	0.8%	
18.5%	3,060	3,080	21	0.7%	
19.8%	3,037	3,061	24	0.8%	
21.0%	3,027	3,024	-3	-0.1%	
22.2%	2,929	2,931	2	0.1%	
23.5%	2,925	2,925	0	0.0%	
24.7%	2,912	2,914	2	0.1%	
25.9%	2,904	2,904	0	0.0%	
27.2%	2,903	2,904	1	0.0%	
28.4%	2,884	2,872	-12	-0.4%	
29.6%	2,874	2,872	-2	0.0%	
30.9%	2,872	2,871	-1	0.0%	
32.1%	2,870	2,850	-20	-0.7%	
33.3%	2,858	2,849	-9	-0.3%	
34.6%	2,847	2,829	-18	-0.6%	
35.8%	2,824	2,827	3	0.1%	
37.0%	2,734	2,725	-9	-0.3%	
38.3%	2,723	2,719	-4	-0.2%	
39.5%	2,719	2,704	-15	-0.6%	
40.7%	2,704	2,665	-39	-1.4%	
42.0%	2,670	2,640	-30	-1.1%	
43.2%	2,640	2,647	7	0.3%	
44.4%	2,525	2,524	-1	0.0%	
45.7%	2,517	2,493	-24	-0.9%	
46.9%	2,492	2,489	-3	-0.1%	
48.1%	2,490	2,486	-4	-0.2%	
49.4%	2,480	2,483	3	0.1%	
50.6%	2,461	2,479	18	0.7%	
51.9%	2,457	2,459	2	0.1%	
53.1%	2,451	2,450	-1	0.0%	
54.3%	2,401	2,426	25	1.1%	
55.6%	2,365	2,400	36	1.5%	
56.8%	2,359	2,365	6	0.3%	
58.0%	2,346	2,361	14	0.6%	
59.3%	2,343	2,284	-59	-2.5%	
60.5%	2,276	2,273	-3	-0.1%	
61.7%	2,259	2,261	2	0.1%	
63.0%	2,199	2,181	-18	-0.8%	
64.2%	2,181	2,168	-13	-0.6%	
65.4%	2,168	2,084	-83	-3.8%	
66.7%	2,075	2,080	4	0.2%	
67.9%	2,044	1,979	-65	-3.2%	
69.1%	2,017	1,966	-51	-2.5%	
70.4%	1,974	1,835	-139	-7.0%	
71.6%	1,841	1,847	6	0.3%	
72.8%	1,831	1,700	-131	-7.2%	
74.1%	1,830	1,700	-130	-7.1%	
75.3%	1,824	1,660	-163	-9.0%	
76.5%	1,700	1,629	-71	-4.2%	
77.8%	1,700	1,561	-139	-8.2%	
79.0%	1,700	1,544	-156	-9.2%	
80.2%	1,700	1,440	-260	-15.3%	
81.5%	1,656	1,427	-229	-13.8%	
82.7%	1,628	1,379	-250	-15.3%	
84.0%	1,357	1,359	2	0.1%	
85.2%	1,347	1,320	-27	-2.0%	
86.4%	1,329	1,317	-12	-0.9%	
87.7%	1,326	1,314	-12	-0.9%	
88.9%	1,312	1,296	-16	-1.2%	
90.1%	1,304	1,284	-20	-1.5%	
91.4%	1,281	1,280	-1	0.0%	
92.6%	1,275	1,276	1	0.0%	
93.8%	1,271	1,250	-21	-1.7%	
95.1%	1,200	967	-233	-19.4%	
96.3%	1,044	934	-110	-10.5%	
97.5%	996	900	-96	-9.6%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	50,089	61,868	2,779	4.7%	
1.2%	39,897	40,218	321	0.8%	
2.5%	32,392	35,180	2,788	8.6%	
3.7%	24,756	26,761	2,005	8.1%	
4.9%	19,786	22,940	3,154	15.9%	
6.2%	19,719	19,234	-485	-2.5%	
7.4%	18,127	17,547	-580	-3.2%	
8.6%	16,964	17,184	221	1.3%	
9.9%	16,963	16,969	6	0.0%	
11.1%	11,170	11,322	152	1.4%	
12.3%	6,566	7,047	481	7.3%	
13.6%	6,443	6,588	145	2.3%	
14.8%	6,223	6,447	225	3.6%	
16.0%	6,147	5,901	-246	-4.0%	
17.3%	5,894	5,878	-16	-0.3%	
18.5%	5,874	5,857	-17	-0.3%	
19.8%	5,873	5,717	-156	-2.7%	
21.0%	5,679	5,715	35	0.6%	
22.2%	5,620	5,680	60	1.1%	
23.5%	4,604	5,659	1,055	23.0%	
24.7%	4,851	4,905	54	1.1%	
25.9%	4,791	4,791	0	0.0%	
27.2%	4,775	4,780	5	0.1%	
28.4%	4,761	4,764	3	0.1%	
29.6%	4,503	4,503	0	0.0%	
30.9%	4,369	4,503	134	3.1%	
32.1%	4,347	4,393	46	1.1%	
33.3%	4,145	4,347	202	4.9%	
34.6%	4,130	4,149	19	0.5%	
35.8%	3,893	4,131	238	6.1%	
37.0%	3,886	3,892	6	0.2%	
38.3%	3,634	3,741	107	2.9%	
39.5%	3,461	3,688	227	6.6%	
40.7%	3,423	3,682	259	7.6%	
42.0%	3,229	3,665	437	13.5%	
43.2%	3,226	3,426	200	6.2%	
44.4%	3,116	3,425	309	9.9%	
45.7%	3,017	3,345	328	10.9%	
46.9%	2,994	3,336	342	11.4%	
48.1%	2,980	3,237	257	8.6%	
49.4%	2,903	3,226	324	11.1%	
50.6%	2,850	3,003	154	5.4%	
51.9%	2,821	2,982	161	5.7%	
53.1%	2,739	2,913	173	6.3%	
54.3%	2,712	2,907	194	7.2%	
55.6%	2,667	2,843	177	6.6%	
56.8%	2,635	2,821	186	7.0%	
58.0%	2,439	2,740	301	12.3%	
59.3%	2,347	2,715	368	15.7%	
60.5%	2,280	2,669	389	17.1%	
61.7%	2,219	2,636	417	18.8%	
63.0%	2,168	2,443	275	12.7%	
64.2%	2,048	2,350	302	14.7%	
65.4%	2,036	2,284	249	12.2%	
66.7%	2,030	2,224	194	9.6%	
67.9%	2,018	2,167	149	7.4%	
69.1%	1,998	1,913	-85	-4.3%	
70.4%	1,882	1,888	6	0.3%	
71.6%	1,865	1,868	3	0.2%	
72.8%	1,806				



Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	107,796	108,198	402	0.4%	
1.2%	77,795	77,797	2	0.0%	
2.5%	60,774	64,638	4,062	6.7%	
3.7%	59,466	59,466	0	0.0%	
4.9%	57,446	57,446	0	0.0%	
6.2%	55,169	55,143	-26	0.0%	
7.4%	49,928	50,500	573	1.1%	
8.6%	48,403	49,211	808	1.7%	
9.9%	49,216	46,682	-2,534	-5.1%	
11.1%	42,306	43,009	703	1.7%	
12.3%	41,601	41,588	-13	0.0%	
13.6%	39,920	39,922	2	0.0%	
14.8%	39,625	39,617	-8	0.0%	
16.0%	39,302	39,151	-151	-0.4%	
17.3%	38,631	38,645	14	0.0%	
18.5%	36,503	36,507	4	0.0%	
19.8%	35,163	36,414	1,251	3.6%	
21.0%	34,628	36,037	1,409	4.1%	
22.2%	33,969	33,136	-833	-2.5%	
23.5%	31,127	32,935	1,807	5.8%	
24.7%	31,102	31,098	-3	0.0%	
25.9%	30,932	30,931	-1	0.0%	
27.2%	29,158	29,384	226	0.8%	
28.4%	28,705	29,159	455	1.6%	
29.6%	28,291	28,705	415	1.5%	
30.9%	27,872	28,275	403	1.4%	
32.1%	27,555	27,878	323	1.2%	
33.3%	25,664	25,666	2	0.0%	
34.6%	21,337	21,338	1	0.0%	
35.8%	19,090	18,766	-324	-1.7%	
37.0%	17,111	17,104	-7	0.0%	
38.3%	15,916	15,919	3	0.0%	
39.5%	13,264	13,272	8	0.1%	
40.7%	13,161	12,515	-646	-4.9%	
42.0%	12,513	12,298	-215	-1.7%	
43.2%	11,809	11,809	0	0.0%	
44.4%	11,500	11,501	1	0.0%	
45.7%	11,051	11,057	6	0.1%	
46.9%	10,299	10,303	4	0.0%	
48.1%	10,213	10,215	2	0.0%	
49.4%	9,919	9,815	-105	-1.1%	
50.6%	8,890	8,895	5	0.1%	
51.9%	8,469	8,455	-15	-0.2%	
53.1%	8,104	8,095	-9	-0.1%	
54.3%	7,973	7,759	-213	-2.7%	
55.6%	7,412	7,244	-168	-2.3%	
56.8%	7,034	7,034	0	0.0%	
58.0%	6,988	6,863	-125	-1.8%	
59.3%	6,945	6,948	3	0.0%	
60.5%	6,608	6,550	-58	-0.9%	
61.7%	6,549	6,391	-158	-2.4%	
63.0%	6,389	6,207	-182	-2.9%	
64.2%	6,198	5,916	-282	-4.6%	
65.4%	5,815	5,550	-265	-4.6%	
66.7%	5,545	5,273	-272	-4.9%	
67.9%	5,044	5,047	3	0.1%	
69.1%	4,756	4,759	3	0.1%	
70.4%	4,677	4,677	0	0.0%	
71.6%	4,432	4,443	11	0.3%	
72.8%	4,437	4,437	0	0.0%	
74.1%	4,275	4,282	7	0.2%	
75.3%	4,247	4,248	1	0.0%	
76.5%	4,145	4,147	2	0.0%	
77.8%	3,998	4,005	7	0.2%	
79.0%	3,105	3,108	3	0.1%	
80.2%	2,953	2,952	0	0.0%	
81.5%	2,881	2,883	2	0.1%	
82.7%	2,845	2,851	6	0.2%	
84.0%	2,731	2,738	7	0.3%	
85.2%	2,620	2,620	0	0.0%	
86.4%	2,586	2,621	35	1.3%	
87.7%	2,582	2,587	5	0.2%	
88.9%	2,544	2,582	38	1.5%	
90.1%	2,329	2,376	47	2.0%	
91.4%	1,700	2,276	576	33.9%	
92.6%	1,700	2,019	319	18.8%	
93.8%	1,680	1,700	20	1.2%	
95.1%	1,669	1,700	31	1.8%	
96.3%	1,645	1,650	5	0.3%	
97.5%	1,569	1,577	8	0.5%	
98.8%	900	900	0	0.0%	
100.0%	900	900	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	77,390	77,393	3	0.0%	
1.2%	74,772	74,775	3	0.0%	
2.5%	63,538	62,479	-1,059	-1.7%	
3.7%	58,580	58,415	-165	-0.3%	
4.9%	57,268	57,269	1	0.0%	
6.2%	47,882	47,884	2	0.0%	
7.4%	46,320	46,321	1	0.0%	
8.6%	45,826	45,821	-5	0.0%	
9.9%	38,150	38,153	3	0.0%	
11.1%	32,607	33,594	987	3.0%	
12.3%	31,510	31,510	0	0.0%	
13.6%	30,481	30,458	-23	0.0%	
14.8%	30,119	30,131	12	0.0%	
16.0%	29,841	29,850	9	0.0%	
17.3%	28,265	28,267	2	0.0%	
18.5%	27,845	27,854	10	0.0%	
19.8%	27,009	27,010	2	0.0%	
21.0%	26,966	26,967	0	0.0%	
22.2%	26,159	26,163	4	0.0%	
23.5%	25,694	25,693	-1	0.0%	
24.7%	25,577	25,467	-110	-0.4%	
25.9%	24,088	24,088	0	0.0%	
27.2%	22,119	22,124	5	0.0%	
28.4%	20,299	20,629	330	1.6%	
29.6%	19,501	20,151	650	3.3%	
30.9%	19,423	19,603	181	0.9%	
32.1%	18,766	19,425	659	3.5%	
33.3%	18,511	18,441	-70	-0.4%	
34.6%	17,659	18,372	713	4.0%	
35.8%	17,581	17,674	93	0.5%	
37.0%	16,982	16,983	1	0.0%	
38.3%	15,898	16,406	508	3.2%	
39.5%	15,244	15,899	655	4.3%	
40.7%	14,388	14,810	422	2.9%	
42.0%	14,332	14,389	57	0.4%	
43.2%	13,110	13,110	0	0.0%	
44.4%	12,869	13,103	235	1.8%	
45.7%	11,917	12,870	954	8.0%	
46.9%	10,487	12,128	1,641	15.6%	
48.1%	10,161	11,921	1,760	17.3%	
49.4%	10,084	10,166	81	0.8%	
50.6%	9,744	9,826	81	0.8%	
51.9%	8,035	8,076	41	0.5%	
53.1%	7,963	8,037	73	0.9%	
54.3%	7,914	7,964	50	0.6%	
55.6%	7,723	7,735	12	0.2%	
56.8%	7,527	7,528	2	0.0%	
58.0%	6,845	6,838	-7	0.0%	
59.3%	6,640	6,788	148	2.2%	
60.5%	6,784	6,603	-181	-2.7%	
61.7%	6,600	6,428	-173	-2.6%	
63.0%	6,298	6,290	-8	0.0%	
64.2%	5,668	5,429	-239	-4.2%	
65.4%	5,307	5,113	-194	-3.7%	
66.7%	5,305	5,006	-300	-5.7%	
67.9%	5,125	4,831	-295	-5.7%	
69.1%	5,002	4,508	-494	-9.9%	
70.4%	4,506	4,259	-247	-5.5%	
71.6%	4,301	4,182	-119	-2.8%	
72.8%	4,178	4,051	-127	-3.0%	
74.1%	4,056	3,967	-89	-2.2%	
75.3%	3,961	3,963	2	0.0%	
76.5%	3,805	3,334	-471	-12.4%	
77.8%	3,749	3,842	93	2.5%	
79.0%	3,697	3,816	119	3.2%	
80.2%	3,651	3,652	1	0.0%	
81.5%	3,624	3,625	1	0.0%	
82.7%	3,433	3,450	17	0.5%	
84.0%	3,394	3,447	53	1.6%	
85.2%	3,284	3,288	4	0.1%	
86.4%	3,074	3,074	0	0.0%	
87.7%	2,947	2,979	33	1.1%	
88.9%	2,902	2,885	-17	-0.6%	
90.1%	2,707	2,433	-274	-10.1%	
91.4%	2,327	2,243	-83	-3.6%	
92.6%	2,243	2,228	-15	-0.7%	
93.8%	2,226	1,972	-254	-11.4%	
95.1%	1,604	1,716	112	7.0%	
96.3%	1,253	1,255	2	0.2%	
97.5%	1,000	1,000	0	0.0%	
98.8%	750	750	0	0.0%	
100.0%	750	750	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	51,497	51,495	-2	0.0%	
1.2%	37,463	37,461	-2	0.0%	
2.5%	32,218	32,216	-2	0.0%	
3.7%	27,457	27,452	-5	0.0%	
4.9%	22,596	22,590	-6	0.0%	
6.2%	19,506	19,504	-2	0.0%	
7.4%	16,845	17,635	789	4.7%	
8.6%	16,800	16,838	37	0.2%	
9.9%	15,213	15,213	0	0.0%	
11.1%	14,596	14,594	-2	0.0%	
12.3%	13,209	13,207	-2	0.0%	
13.6%	11,800	11,801	1	0.0%	
14.8%	10,302	10,302	0	0.0%	
16.0%	9,112	9,112	0	0.0%	
17.3%	9,057	9,063	6	0.1%	
18.5%	8,270	8,262	-8	-0.1%	
19.8%	8,159	8,162	3	0.0%	
21.0%	8,086	8,082	-4	0.0%	
22.2%	7,390	7,872	482	6.5%	
23.5%	6,813	6,817	4	0.1%	
24.7%	6,653	6,641	-12	-0.2%	
25.9%	6,640	6,617	-23	0.0%	
27.2%	6,588	6,588	0	0.0%	
28.4%	6,362	6,363	1	0.0%	
29.6%	6,120	6,120	0	0.0%	
30.9%	6,031	6,032	1	0.0%	
32.1%	6,029	6,027	-2	0.0%	
33.3%	6,019	5,910	-109	-1.8%	
34.6%	5,909	5,844	-65	-1.1%	
35.8%	5,727	5,724	-3	0.0%	
37.0%	5,393	5,623	230	4.3%	
38.3%	5,324	5,384	60	1.1%	
39.5%	5,148	5,153	5	0.1%	
40.7%	5,072	5,074	2	0.0%	
42.0%	4,984	4,943	-41	-0.8%	
43.2%	4,921	4,930	9	0.2%	
44.4%	4,864	4,867	3	0.1%	
45.7%	4,828	4,828	0	0.0%	
46.9%	4,658	4,661	3	0.1%	
48.1%	4,631	4,643	12	0.3%	
49.4%	4,548	4,563	15	0.3%	
50.6%	4,332	4,341	9	0.2%	
51.9%	4,406	4,418	12	0.3%	
53.1%	4,367	4,368	1	0.0%	
54.3%	4,324	4,325	1	0.0%	
55.6%	4,289	4,294	5	0.1%	
56.8%	4,203	4,196	-7	-0.2%	
58.0%	4,196	4,154	-42	-1.0%	
59.3%	4,177	4,150	-27	-0.7%	
60.5%	4,169	4,006	-163	-3.9%	
61.7%	3,875	3,880	5	0.1%	
63.0%	3,867	3,847	-20	-0.5%	
64.2%	3,338	3,748	410	12.3%	
65.4%	3,731	3,665	-66	-1.8%	
66.7%	3,610	3,522	-88	-2.4%	
67.9%	3,521	3,520	-1	0.0%	
69.1%	3,517	3,507	-9	-0.3%	
70.4%	3,507	3,33			

Table SW-23-b  
Feather River at Mouth, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,756	8,109	353	4.5%
1.2%	7,679	7,246	-433	-5.6%
2.5%	7,119	7,114	-5	-0.1%
3.7%	7,106	6,704	-402	-5.7%
4.9%	7,004	6,213	-791	-11.3%
6.2%	6,976	6,163	-814	-11.7%
7.4%	6,838	6,038	-800	-11.7%
8.6%	6,214	5,719	-495	-8.0%
9.9%	6,143	5,440	-703	-11.4%
11.1%	6,138	5,390	-748	-12.2%
12.3%	5,984	5,357	-627	-10.5%
13.6%	5,929	5,323	-606	-10.2%
14.8%	5,890	5,222	-668	-11.3%
16.0%	5,770	5,197	-573	-9.9%
17.3%	5,763	5,053	-710	-12.3%
18.5%	5,612	4,913	-699	-12.5%
19.8%	5,484	4,878	-607	-11.1%
21.0%	5,336	4,898	-438	-8.2%
22.2%	5,298	4,799	-499	-9.4%
23.5%	5,238	4,697	-541	-10.3%
24.7%	5,222	4,578	-644	-12.3%
25.9%	5,195	4,526	-669	-12.9%
27.2%	5,183	4,491	-692	-13.4%
28.4%	4,992	4,473	-519	-10.4%
29.6%	4,976	4,406	-570	-11.5%
30.9%	4,970	4,360	-610	-12.3%
32.1%	4,760	4,312	-448	-9.4%
33.3%	4,623	4,300	-323	-7.0%
34.6%	4,509	4,294	-215	-4.8%
35.8%	4,468	4,205	-263	-5.9%
37.0%	4,454	4,190	-264	-5.9%
38.3%	4,431	4,173	-258	-5.8%
39.5%	4,406	4,134	-272	-6.2%
40.7%	4,325	4,120	-205	-4.7%
42.0%	4,143	4,094	-49	-1.2%
43.2%	4,058	4,058	0	0.0%
44.4%	4,050	3,956	-95	-2.3%
45.7%	4,049	3,730	-319	-7.9%
46.9%	4,042	3,522	-520	-12.9%
48.1%	3,993	3,353	-641	-16.0%
49.4%	3,987	3,349	-638	-16.0%
50.6%	3,936	3,100	-836	-21.2%
51.9%	3,908	3,246	-661	-16.9%
53.1%	3,899	3,210	-689	-17.7%
54.3%	3,867	3,151	-716	-18.5%
55.6%	3,863	3,124	-740	-19.1%
56.8%	3,756	3,109	-646	-17.2%
58.0%	3,753	3,100	-653	-17.4%
59.3%	3,706	3,006	-700	-18.9%
60.5%	3,645	2,962	-683	-18.4%
61.7%	3,432	2,877	-555	-16.2%
63.0%	3,403	2,812	-590	-17.3%
64.2%	3,355	2,800	-555	-16.5%
65.4%	3,329	2,753	-576	-17.3%
66.7%	3,312	2,667	-645	-19.5%
67.9%	3,216	2,625	-591	-18.4%
69.1%	3,188	2,555	-633	-19.9%
70.4%	3,113	2,518	-595	-19.1%
71.6%	2,999	2,479	-520	-17.4%
72.8%	2,941	2,406	-535	-18.2%
74.1%	2,873	2,384	-489	-17.0%
75.3%	2,800	2,379	-421	-15.0%
76.5%	2,778	2,373	-404	-14.6%
77.8%	2,757	2,329	-428	-15.5%
79.0%	2,718	2,284	-433	-15.9%
80.2%	2,583	2,215	-368	-14.2%
81.5%	2,563	2,206	-357	-13.9%
82.7%	2,514	2,127	-387	-15.4%
84.0%	2,509	2,086	-423	-16.9%
85.2%	2,410	2,004	-406	-16.8%
86.4%	2,355	1,919	-436	-18.5%
87.7%	2,279	1,917	-362	-15.9%
88.9%	1,995	1,834	-161	-8.1%
90.1%	1,923	1,823	-100	-5.2%
91.4%	1,812	1,781	-31	-1.7%
92.6%	1,725	1,690	-36	-2.1%
93.8%	1,707	1,479	-228	-13.4%
95.1%	1,700	1,314	-386	-22.7%
96.3%	1,575	1,133	-442	-28.1%
97.5%	1,524	1,040	-484	-31.7%
98.8%	1,391	1,000	-391	-28.1%
100.0%	750	800	50	6.7%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,828	11,016	188	1.7%
1.2%	10,687	10,588	-99	-0.9%
2.5%	10,589	10,545	-43	-0.4%
3.7%	10,544	10,273	-271	-2.6%
4.9%	10,294	9,807	-486	-4.7%
6.2%	10,283	9,775	-509	-4.9%
7.4%	10,054	9,512	-542	-5.4%
8.6%	9,832	9,439	-393	-4.0%
9.9%	9,827	9,307	-520	-5.3%
11.1%	9,803	9,294	-509	-5.2%
12.3%	9,761	9,204	-557	-5.7%
13.6%	9,759	9,191	-568	-5.8%
14.8%	9,720	9,136	-585	-6.0%
16.0%	9,648	9,101	-547	-5.7%
17.3%	9,641	9,100	-541	-5.6%
18.5%	9,605	8,967	-638	-6.6%
19.8%	9,592	8,955	-637	-6.6%
21.0%	9,557	8,889	-668	-7.0%
22.2%	9,538	8,787	-751	-7.9%
23.5%	9,505	8,759	-746	-7.9%
24.7%	9,477	8,742	-735	-7.8%
25.9%	9,433	8,638	-795	-8.4%
27.2%	9,320	8,622	-698	-7.5%
28.4%	9,306	8,587	-719	-7.7%
29.6%	9,215	8,562	-653	-7.1%
30.9%	9,193	8,481	-712	-7.7%
32.1%	9,182	8,478	-704	-7.7%
33.3%	9,114	8,474	-640	-7.0%
34.6%	9,071	8,454	-617	-6.8%
35.8%	9,005	8,382	-623	-6.9%
37.0%	9,002	8,375	-627	-7.0%
38.3%	8,913	8,315	-598	-6.7%
39.5%	8,899	8,299	-601	-6.8%
40.7%	8,869	8,231	-638	-7.2%
42.0%	8,828	8,222	-606	-6.9%
43.2%	8,817	8,209	-608	-6.9%
44.4%	8,703	7,908	-794	-9.1%
45.7%	8,690	7,908	-782	-9.0%
46.9%	8,593	7,862	-730	-8.5%
48.1%	8,555	7,813	-742	-8.7%
49.4%	8,454	7,802	-652	-7.7%
50.6%	8,392	7,541	-851	-10.1%
51.9%	8,247	7,500	-747	-9.1%
53.1%	8,243	7,439	-804	-9.8%
54.3%	8,186	7,386	-800	-9.8%
55.6%	8,055	7,379	-677	-8.4%
56.8%	8,030	7,338	-692	-8.6%
58.0%	8,022	7,249	-773	-9.6%
59.3%	8,056	7,136	-920	-11.5%
60.5%	7,651	7,049	-602	-7.9%
61.7%	7,508	6,730	-777	-10.4%
63.0%	7,475	6,639	-836	-11.2%
64.2%	7,375	6,598	-777	-10.5%
65.4%	7,368	6,290	-1,078	-14.6%
66.7%	7,341	6,591	-750	-10.2%
67.9%	7,008	6,502	-506	-7.2%
69.1%	6,676	6,300	-376	-5.6%
70.4%	6,646	6,208	-438	-6.6%
71.6%	6,606	6,085	-521	-7.9%
72.8%	6,381	6,081	-300	-4.7%
74.1%	6,216	5,929	-287	-4.6%
75.3%	5,384	4,916	-467	-8.7%
76.5%	4,804	4,812	8	0.2%
77.8%	4,464	4,767	303	6.8%
79.0%	4,319	4,743	424	9.8%
80.2%	4,004	4,477	473	11.8%
81.5%	3,426	3,680	254	7.4%
82.7%	3,067	3,664	597	19.5%
84.0%	2,796	3,387	592	21.2%
85.2%	2,568	2,776	208	8.1%
86.4%	2,354	2,776	422	18.0%
87.7%	2,409	2,656	247	10.3%
88.9%	2,399	2,311	-88	-3.7%
90.1%	2,244	2,266	21	1.0%
91.4%	2,134	2,019	-115	-5.5%
92.6%	1,829	1,895	66	3.6%
93.8%	1,593	1,885	292	18.3%
95.1%	1,379	1,549	170	12.3%
96.3%	1,328	1,399	71	5.3%
97.5%	1,057	1,274	217	20.5%
98.8%	831	1,119	287	34.6%
100.0%	1,000	1,012	12	1.2%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,396	9,117	-279	-3.0%
1.2%	9,167	8,833	-334	-3.6%
2.5%	9,020	8,816	-203	-2.3%
3.7%	8,896	8,631	-265	-3.0%
4.9%	8,756	8,603	-153	-1.7%
6.2%	8,745	8,536	-209	-2.4%
7.4%	8,722	8,468	-254	-2.9%
8.6%	8,655	8,365	-290	-3.3%
9.9%	8,669	8,364	-305	-3.5%
11.1%	8,668	8,294	-374	-4.3%
12.3%	8,632	8,322	-310	-3.6%
13.6%	8,631	8,149	-482	-5.6%
14.8%	8,558	8,141	-417	-4.9%
16.0%	8,508	8,139	-369	-4.3%
17.3%	8,446	8,094	-352	-4.2%
18.5%	8,443	8,085	-357	-4.2%
19.8%	8,366	8,085	-281	-3.4%
21.0%	8,319	7,983	-336	-4.0%
22.2%	8,296	7,901	-395	-4.8%
23.5%	8,265	7,839	-426	-5.2%
24.7%	8,257	7,812	-445	-5.4%
25.9%	8,240	7,705	-535	-6.5%
27.2%	8,166	7,633	-533	-6.5%
28.4%	8,117	7,613	-504	-6.2%
29.6%	8,099	7,504	-595	-7.4%
30.9%	8,016	7,487	-529	-6.6%
32.1%	7,992	7,287	-704	-8.8%
33.3%	7,985	7,244	-741	-9.3%
34.6%	7,970	7,188	-782	-9.8%
35.8%	7,877	7,005	-872	-11.1%
37.0%	7,854	7,004	-850	-10.9%
38.3%	7,644	6,957	-687	-9.0%
39.5%	7,498	6,819	-679	-9.1%
40.7%	7,472	6,691	-781	-10.5%
42.0%	7,289	6,648	-640	-8.8%
43.2%	7,269	6,630	-639	-8.8%
44.4%	7,186	6,565	-621	-8.6%
45.7%	7,151	6,523	-627	-8.8%
46.9%	7,089	6,426	-664	-9.4%
48.1%	6,628	6,401	-227	-3.4%
49.4%	6,315	6,307	-8	-0.1%
50.6%	6,012	6,107	95	1.6%
51.9%	5,624	6,031	407	7.2%
53.1%	5,550	5,990	441	7.9%
54.3%	5,481	5,724	243	4.4%
55.6%	5,293	5,408	113	2.1%
56.8%	5,217	5,402	185	3.5%
58.0%	4,919	5,271	352	7.2%
59.3%	4,650	5,177	527	11.3%
60.5%	4,586	5,067	481	10.5%
61.7%	4,344	4,657	314	7.2%
63.0%	4,164	4,486	322	7.7%
64.2%	4,067	4,350	283	6.9%
65.4%	4,056	4,025	-32	-0.8%
66.7%	4,029	3,938	-91	-2.3%
67.9%	3,809	3,793	-17	-0.4%
69.1%	3,645	3,693	48	1.3%
70.4%	3,472	3,671	200	5.8%
71.6%	3,457	3,632	175	5.1%
72.8%	3,302	3,572	271	8.2%
74.1%	3,297	3,503	206	6.3%
75.3%	3,207	3,485	278	8.7%
76.5%	2,993	3,389	397	13.3%
77.8%	2,968	3,062	95	3.2%
79.0%	2,883	3,062	179	6.2%
80.2%	2,859	2,865	6	0.2%
81.5%	2,631	2,688	57	2.2%
82.7%	2,607	2,687	80	3.1%
84.0%	2,573	2,466	-107	-4.2%
85.2%	2,491	1,998	-493	-19.8%
86.4%	2,376	2,177	-199	-8.4%
87.7%	2,241	1,864	-377	-16.8%
88.9%	2,119	1,805	-313	-14.8%

Figure SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

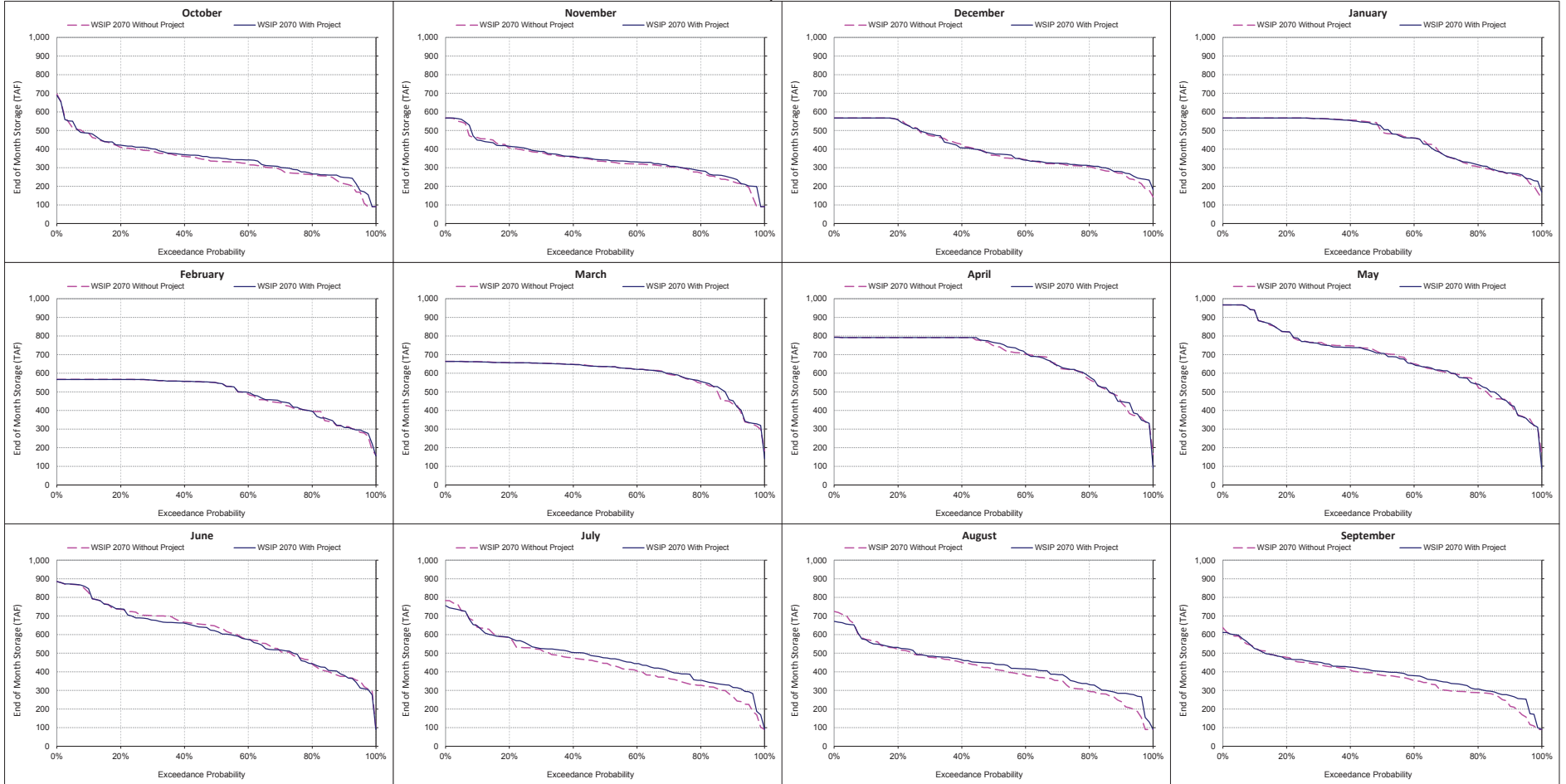


Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	695	688	-7	-1.0%	
1.2%	657	654	-3	-0.5%	
2.5%	572	559	-13	-2.3%	
3.7%	545	552	7	1.4%	
4.9%	514	549	35	6.8%	
6.2%	506	509	4	0.7%	
7.4%	503	490	-14	-2.7%	
8.6%	489	487	-2	-0.4%	
9.9%	486	486	-1	-0.1%	
11.1%	462	482	20	4.3%	
12.3%	457	467	10	2.2%	
13.6%	446	452	6	1.3%	
14.8%	441	440	-1	-0.3%	
16.0%	437	439	3	0.6%	
17.3%	427	438	11	2.6%	
18.5%	422	424	2	0.4%	
19.8%	410	422	11	2.7%	
21.0%	406	418	12	3.0%	
22.2%	405	416	11	2.7%	
23.5%	403	415	12	3.0%	
24.7%	399	411	12	3.1%	
25.9%	398	410	12	3.0%	
27.2%	393	410	16	4.1%	
28.4%	392	408	16	4.0%	
29.6%	391	402	11	2.9%	
30.9%	384	400	16	4.1%	
32.1%	378	390	12	3.1%	
33.3%	377	386	10	2.5%	
34.6%	375	379	3	0.9%	
35.8%	374	377	3	0.8%	
37.0%	367	377	10	2.6%	
38.3%	364	374	9	2.6%	
39.5%	362	370	8	2.3%	
40.7%	360	369	9	2.6%	
42.0%	358	367	9	2.6%	
43.2%	357	367	10	2.7%	
44.4%	350	366	16	4.5%	
45.7%	345	361	15	4.4%	
46.9%	345	361	15	4.4%	
48.1%	338	355	19	5.6%	
49.4%	335	353	18	5.4%	
50.6%	333	353	19	5.8%	
51.9%	333	350	16	4.9%	
53.1%	332	349	17	5.2%	
54.3%	332	344	12	3.8%	
55.6%	331	343	12	3.7%	
56.8%	329	343	15	4.5%	
58.0%	325	343	18	5.5%	
59.3%	324	342	18	5.6%	
60.5%	315	342	27	8.6%	
61.7%	315	340	25	8.0%	
63.0%	311	336	25	7.9%	
64.2%	311	318	7	2.1%	
65.4%	303	311	9	2.9%	
66.7%	300	310	10	3.4%	
67.9%	300	308	8	2.8%	
69.1%	297	307	11	3.6%	
70.4%	298	301	12	4.3%	
71.6%	273	299	25	9.3%	
72.8%	272	298	25	9.2%	
74.1%	271	291	20	7.5%	
75.3%	269	289	20	7.3%	
76.5%	268	278	10	3.7%	
77.8%	266	277	12	4.5%	
79.0%	264	274	9	3.5%	
80.2%	261	266	5	2.0%	
81.5%	259	266	7	2.8%	
82.7%	257	262	5	2.1%	
84.0%	256	261	5	2.0%	
85.2%	256	261	5	2.0%	
86.4%	247	260	13	5.4%	
87.7%	232	260	28	12.1%	
88.9%	218	250	32	14.8%	
90.1%	214	248	34	16.0%	
91.4%	209	246	36	17.4%	
92.6%	201	243	42	20.6%	
93.8%	170	213	44	25.9%	
95.1%	168	176	7	4.4%	
96.3%	109	171	62	57.2%	
97.5%	90	155	65	72.6%	
98.8%	90	90	0	0.0%	
100.0%	90	90	0	0.0%	

November					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	567	567	0	0.0%	
1.2%	567	567	0	0.0%	
2.5%	565	567	2	0.4%	
3.7%	550	565	15	2.7%	
4.9%	539	560	14	2.6%	
6.2%	539	546	7	1.4%	
7.4%	472	528	56	11.9%	
8.6%	463	472	9	1.9%	
9.9%	463	449	-14	-3.0%	
11.1%	456	446	-10	-2.1%	
12.3%	455	440	-15	-3.3%	
13.6%	452	437	-15	-3.4%	
14.8%	449	435	-14	-3.1%	
16.0%	430	421	-10	-2.3%	
17.3%	426	419	-7	-1.5%	
18.5%	425	418	-7	-1.6%	
19.8%	407	416	8	2.1%	
21.0%	405	413	8	1.9%	
22.2%	402	412	10	2.6%	
23.5%	398	409	11	2.7%	
24.7%	394	406	12	3.1%	
25.9%	391	400	9	2.3%	
27.2%	386	393	7	1.7%	
28.4%	384	394	6	1.6%	
29.6%	382	388	6	1.5%	
30.9%	379	388	8	2.2%	
32.1%	371	376	5	1.5%	
33.3%	369	374	6	1.6%	
34.6%	367	374	7	1.9%	
35.8%	362	369	7	1.9%	
37.0%	361	363	3	0.7%	
38.3%	358	362	5	1.3%	
39.5%	358	361	4	1.1%	
40.7%	356	359	3	1.0%	
42.0%	352	355	3	0.9%	
43.2%	350	354	3	0.9%	
44.4%	347	354	6	1.8%	
45.7%	345	348	3	0.9%	
46.9%	337	345	8	2.3%	
48.1%	335	343	7	2.2%	
49.4%	334	342	8	2.4%	
50.6%	332	341	9	2.8%	
51.9%	331	338	7	2.2%	
53.1%	328	337	9	2.9%	
54.3%	324	336	12	3.8%	
55.6%	323	335	13	3.9%	
56.8%	322	334	12	3.8%	
58.0%	321	332	11	3.3%	
59.3%	320	332	11	3.5%	
60.5%	320	330	11	3.3%	
61.7%	319	329	10	3.1%	
63.0%	317	329	12	3.6%	
64.2%	316	328	12	3.8%	
65.4%	315	322	7	2.1%	
66.7%	313	321	9	2.8%	
67.9%	310	317	7	2.3%	
69.1%	308	317	8	2.8%	
70.4%	305	307	2	0.7%	
71.6%	303	307	3	1.1%	
72.8%	303	305	2	0.7%	
74.1%	300	299	-1	-0.3%	
75.3%	295	298	3	0.9%	
76.5%	286	295	9	3.1%	
77.8%	277	290	13	4.5%	
79.0%	277	286	9	3.2%	
80.2%	271	283	12	4.4%	
81.5%	264	280	16	6.2%	
82.7%	256	265	10	3.8%	
84.0%	255	260	5	2.1%	
85.2%	248	260	12	4.9%	
86.4%	238	259	21	8.7%	
87.7%	237	255	17	7.2%	
88.9%	232	249	17	7.4%	
90.1%	225	243	18	8.1%	
91.4%	218	236	19	8.6%	
92.6%	214	215	1	0.7%	
93.8%	206	210	4	1.8%	
95.1%	194	203	8	4.3%	
96.3%	141	201	60	42.9%	
97.5%	91	199	109	120.1%	
98.8%	90	91	1	0.6%	
100.0%	90	90	0	0.0%	

December					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	567	567	0	0.0%	
1.2%	567	567	0	0.0%	
2.5%	567	567	0	0.0%	
3.7%	567	567	0	0.0%	
4.9%	567	567	0	0.0%	
6.2%	567	567	0	0.0%	
7.4%	567	567	0	0.0%	
8.6%	567	567	0	0.0%	
9.9%	567	567	0	0.0%	
11.1%	567	567	0	0.0%	
12.3%	567	567	0	0.0%	
13.6%	567	567	0	0.0%	
14.8%	567	567	0	0.0%	
16.0%	567	567	0	0.0%	
17.3%	567	567	0	0.0%	
18.5%	565	565	0	0.0%	
19.8%	560	560	0	0.1%	
21.0%	558	545	-13	-2.4%	
22.2%	537	533	-4	-0.7%	
23.5%	524	524	0	0.0%	
24.7%	520	512	-8	-1.5%	
25.9%	512	512	0	-0.1%	
27.2%	488	496	8	1.7%	
28.4%	488	490	2	0.4%	
29.6%	474	482	8	1.7%	
30.9%	470	494	9	1.9%	
32.1%	469	473	4	0.8%	
33.3%	461	471	10	2.1%	
34.6%	457	437	-20	-4.3%	
35.8%	444	433	-11	-2.4%	
37.0%	440	428	-12	-2.8%	
38.3%	433	421	-12	-2.7%	
39.5%	428	407	-21	-4.9%	
40.7%	414	406	-8	-1.8%	
42.0%	411	406	-5	-1.2%	
43.2%	406	402	-4	-1.0%	
44.4%	399	398	-1	-0.3%	
45.7%	394	395	1	0.4%	
46.9%	390	386	-4	-1.1%	
48.1%	373	382	9	2.4%	
49.4%	367	377	10	2.8%	
50.6%	367	374	7	1.9%	
51.9%	363	370	7	2.5%	
53.1%	352	372	20	5.6%	
54.3%	352	371	19	5.3%	
55.6%	350	367	17	4.9%	
56.8%	350	350	0	0.0%	
58.0%	349	348	-1	-0.3%	
59.3%	345	342	-4	-1.1%	
60.5%	340	340	-1	-0.2%	
61.7%	338	335	-3	-0.8%	
63.0%	334	335	1	0.2%	
64.2%	330	334	4	1.3%	
65.4%	325	331	6	1.8%	
66.7%	322	326	5	1.4%	
67.9%	321	326	4	1.3%	
69.1%	321	325	4	1.3%	
70.4%	321	324	3	1.0%	
71.6%	319	323	4	1.2%	
72.8%	314	323	9	2.7%	
74.1%	312	318	7	2.3%	
75.3%	311	318	7	2.3%	
76.5%	311	315	4	1.4%	
77.8%	308	314	6	1.9%	
79.0%	306	313	6	2.1%	
80.2%	306	310	4	1.3%	
81.5%	299	308	9	2.9%	
82.7%	292	307	15	5.1%	
84.0%	288	300	12	4.1%	
85.2%	283	299	16	5.6%	
86.4%	281	291	10	3.3%	
87.7%	280	281	0	0.1%	
88.9%	272	280	9	3.3%	
90.1%	270	279	9	3.4%	
91.4%	257	270	13	5.0%	
92.6%	240	267	27	11.3%	
93.8%	237	255	18	7.5%	
95.1%	227	245	18	8.0%	
96.3%	214	241	27	12.4%	
97.5%	187	237	50	26.9%	
98.8%	178	234	56	31.1%	
10					

Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	566	566	0	0.0%
25.9%	566	566	0	0.0%
27.2%	566	566	0	0.0%
28.4%	565	565	0	0.0%
29.6%	563	563	0	0.0%
30.9%	562	562	0	0.0%
32.1%	560	560	0	0.0%
33.3%	560	560	0	0.0%
34.6%	558	558	0	0.0%
35.8%	558	558	0	0.0%
37.0%	558	558	0	0.0%
38.3%	558	558	0	0.0%
39.5%	557	557	0	0.0%
40.7%	557	557	0	0.0%
42.0%	556	556	0	0.0%
43.2%	555	555	0	0.0%
44.4%	555	555	0	0.0%
45.7%	553	553	0	0.0%
46.9%	553	553	0	0.0%
48.1%	552	552	0	0.0%
49.4%	551	551	0	0.0%
50.6%	547	547	0	0.0%
51.9%	543	543	0	0.0%
53.1%	530	530	0	0.0%
54.3%	529	529	0	0.0%
55.6%	527	527	0	0.0%
56.8%	499	501	2	0.3%
58.0%	499	499	0	0.0%
59.3%	494	499	5	1.0%
60.5%	483	494	11	2.3%
61.7%	479	482	3	0.7%
63.0%	458	479	21	4.5%
64.2%	458	467	9	2.0%
65.4%	457	458	1	0.2%
66.7%	446	458	12	2.7%
67.9%	446	457	11	2.5%
69.1%	443	455	12	2.7%
70.4%	440	446	6	1.4%
71.6%	427	443	16	3.7%
72.8%	423	440	17	4.1%
74.1%	413	418	5	1.2%
75.3%	408	416	8	2.1%
76.5%	407	407	0	0.0%
77.8%	402	402	0	0.0%
79.0%	400	399	-1	-0.3%
80.2%	395	394	-1	-0.2%
81.5%	394	369	-25	-6.5%
82.7%	394	360	-34	-8.6%
84.0%	345	360	15	4.2%
85.2%	342	353	11	3.2%
86.4%	340	346	6	1.7%
87.7%	319	321	2	0.6%
88.9%	318	320	2	0.7%
90.1%	314	308	-6	-1.8%
91.4%	313	308	-5	-1.7%
92.6%	302	301	-1	-0.1%
93.8%	297	296	-1	-0.4%
95.1%	283	295	12	4.5%
96.3%	279	286	7	2.2%
97.5%	261	277	16	6.3%
98.8%	188	221	33	17.6%
100.0%	161	155	-6	-3.4%

March				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	664	664	0	0.0%
1.2%	664	664	0	0.0%
2.5%	664	664	0	0.0%
3.7%	664	664	0	0.0%
4.9%	664	663	-1	-0.2%
6.2%	663	662	-1	-0.2%
7.4%	662	662	0	0.0%
8.6%	662	662	0	0.0%
9.9%	662	662	0	0.0%
11.1%	662	661	-1	-0.2%
12.3%	661	661	0	0.0%
13.6%	661	659	-2	-0.3%
14.8%	659	658	-1	-0.2%
16.0%	658	658	0	0.0%
17.3%	658	657	-1	-0.2%
18.5%	657	657	0	0.0%
19.8%	657	656	-1	-0.1%
21.0%	656	656	0	0.0%
22.2%	656	656	0	0.0%
23.5%	656	656	0	0.0%
24.7%	656	656	0	0.0%
25.9%	656	656	0	0.0%
27.2%	655	655	0	0.0%
28.4%	655	655	0	0.0%
29.6%	654	654	0	0.0%
30.9%	654	654	0	0.0%
32.1%	654	652	-2	-0.3%
33.3%	652	652	0	0.0%
34.6%	652	651	-1	-0.2%
35.8%	650	650	0	0.0%
37.0%	650	649	-1	-0.2%
38.3%	649	648	-1	-0.2%
39.5%	648	647	-1	-0.2%
40.7%	647	646	-1	-0.2%
42.0%	646	646	0	0.0%
43.2%	646	642	-4	-0.8%
44.4%	642	640	-2	-0.3%
45.7%	640	637	-3	-0.5%
46.9%	637	637	0	0.0%
48.1%	637	637	0	0.0%
49.4%	636	636	0	0.0%
50.6%	636	636	0	0.1%
51.9%	635	635	0	0.0%
53.1%	635	635	0	0.0%
54.3%	629	629	0	0.0%
55.6%	628	628	0	0.0%
56.8%	626	626	0	0.0%
58.0%	625	625	0	0.0%
59.3%	622	622	0	0.0%
60.5%	621	621	0	0.0%
61.7%	621	621	0	0.0%
63.0%	618	618	0	0.0%
64.2%	616	616	0	0.0%
65.4%	615	615	0	0.0%
66.7%	611	611	-4	-0.6%
67.9%	611	610	-1	-0.2%
69.1%	599	600	1	0.2%
70.4%	593	599	6	1.0%
71.6%	590	593	3	0.5%
72.8%	589	590	1	0.2%
74.1%	581	581	0	0.0%
75.3%	571	574	3	0.4%
76.5%	565	569	4	0.7%
77.8%	565	565	0	0.0%
79.0%	551	562	11	2.1%
80.2%	545	555	10	1.8%
81.5%	542	549	7	1.2%
82.7%	532	544	12	2.4%
84.0%	530	529	-1	-0.2%
85.2%	501	528	27	5.5%
86.4%	453	513	60	13.1%
87.7%	453	501	48	10.6%
88.9%	449	458	9	1.9%
90.1%	434	453	19	4.4%
91.4%	429	420	-9	-2.2%
92.6%	389	402	13	3.3%
93.8%	338	342	4	1.1%
95.1%	334	336	2	0.7%
96.3%	326	331	5	1.4%
97.5%	316	328	11	3.6%
98.8%	298	319	21	7.0%
100.0%	183	141	-42	-23.0%

April				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	794	794	0	0.0%
1.2%	794	794	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	792	0	0.0%
4.9%	792	792	0	0.0%
6.2%	792	792	0	0.0%
7.4%	792	792	0	0.0%
8.6%	792	792	0	0.0%
9.9%	792	792	0	0.0%
11.1%	792	792	0	0.0%
12.3%	792	792	0	0.0%
13.6%	792	792	0	0.0%
14.8%	792	792	0	0.0%
16.0%	792	792	0	0.0%
17.3%	792	792	0	0.0%
18.5%	792	792	0	0.0%
19.8%	792	792	0	0.0%
21.0%	792	792	0	0.0%
22.2%	792	792	0	0.0%
23.5%	792	792	0	0.0%
24.7%	792	792	0	0.0%
25.9%	792	792	0	0.0%
27.2%	792	792	0	0.0%
28.4%	792	792	0	0.0%
29.6%	792	792	0	0.0%
30.9%	792	792	0	0.0%
32.1%	792	792	0	0.0%
33.3%	792	792	0	0.0%
34.6%	792	792	0	0.0%
35.8%	792	749	-43	-5.4%
37.0%	792	792	0	0.0%
38.3%	792	792	0	0.0%
39.5%	792	792	0	0.0%
40.7%	792	792	0	0.0%
42.0%	792	744	-48	-6.1%
43.2%	792	792	0	0.0%
44.4%	779	792	13	1.6%
45.7%	777	779	2	0.3%
46.9%	769	717	-52	-6.8%
48.1%	768	775	7	0.9%
49.4%	767	767	0	0.0%
50.6%	742	764	22	2.9%
51.9%	742	761	19	2.5%
53.1%	727	753	26	3.5%
54.3%	715	741	26	3.6%
55.6%	715	738	24	3.3%
56.8%	711	736	25	3.6%
58.0%	709	724	15	2.1%
59.3%	702	719	17	2.4%
60.5%	702	690	-12	-1.7%
61.7%	698	690	-8	-1.1%
63.0%	692	690	-2	-0.3%
64.2%	687	687	0	0.0%
65.4%	680	682	2	0.3%
66.7%	686	672	-14	-2.0%
67.9%	680	665	-15	-2.2%
69.1%	654	648	-6	-0.9%
70.4%	627	641	14	2.1%
71.6%	623	629	6	1.0%
72.8%	621	625	4	0.6%
74.1%	619	621	2	0.3%
75.3%	616	620	4	0.7%
76.5%	612	609	-3	-0.5%
77.8%	601	607	6	1.0%
79.0%	578	593	15	2.7%
80.2%	564	578	14	2.5%
81.5%	553	564	11	1.9%
82.7%	534	532	-2	-0.4%
84.0%	522	524	2	0.4%
85.2%	514	528	14	2.7%
86.4%	497	497	0	0.0%
87.7%	487	490	3	0.5%
88.9%	479	449	-30	-6.2%
90.1%	441	448	7	1.5%
91.4%	419	444	25	6.0%
92.6%	383	440	57	14.8%
93.8%	373	386	13	3.4%
95.1%	373	381	8	2.2%
96.3%	363	348	-15	-4.1%
97.5%	339	342	3	0.9%
98.8%	323	331	8	2.4%
100.0%	164	90	-74	-45.0%

May				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	960	960	0	0.0%
8.6%	942	942	0	0.0%
9.9%	940	940	0	0.0%
11.1%	883	883	0	0.0%
12.3%	878	878	0	0.0%
13.6%	872	872	0	0.0%
14.8%	859	866	7	0.9%
16.0%	853	853	0	0.0%
17.3%	840	839	-1	-0.1%
18.5%	824	824	0	0.0%
19.8%	824	824	0	0.0%
21.0%	821	821	0	0.0%
22.2%	782	792	10	1.3%
23.5%	779	788	9	

Table SW-24-b  
Folsom Lake, End of Month Storage  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	885	885	0	0.0%
1.2%	880	880	0	0.0%
2.5%	872	872	0	0.0%
3.7%	872	872	0	0.0%
4.9%	870	871	1	0.1%
6.2%	868	870	2	0.2%
7.4%	867	867	0	0.0%
8.6%	868	860	-12	-1.5%
9.9%	826	847	20	2.4%
11.1%	792	792	0	0.0%
12.3%	788	788	0	0.0%
13.6%	782	782	0	0.0%
14.8%	765	764	-1	-0.2%
16.0%	763	761	-1	-0.2%
17.3%	743	751	8	1.1%
18.5%	738	739	1	0.2%
19.8%	736	738	1	0.2%
21.0%	734	736	2	0.3%
22.2%	724	705	-19	-2.6%
23.5%	723	700	-23	-3.2%
24.7%	721	690	-31	-4.3%
25.9%	707	689	-18	-2.5%
27.2%	704	688	-16	-2.2%
28.4%	703	686	-17	-2.5%
29.6%	702	678	-23	-3.3%
30.9%	700	677	-23	-3.4%
32.1%	700	671	-30	-4.2%
33.3%	700	667	-33	-4.7%
34.6%	698	665	-33	-4.7%
35.8%	697	665	-32	-4.6%
37.0%	684	664	-21	-3.1%
38.3%	674	663	-11	-1.7%
39.5%	668	662	-6	-0.9%
40.7%	665	658	-7	-1.0%
42.0%	662	652	-10	-1.4%
43.2%	660	647	-13	-1.9%
44.4%	657	642	-15	-2.2%
45.7%	655	640	-15	-2.3%
46.9%	654	638	-16	-2.4%
48.1%	650	624	-26	-3.9%
49.4%	647	622	-25	-3.9%
50.6%	637	613	-24	-3.8%
51.9%	633	603	-31	-4.9%
53.1%	617	602	-15	-2.4%
54.3%	609	600	-10	-1.6%
55.6%	606	595	-10	-1.7%
56.8%	597	591	-6	-1.1%
58.0%	584	580	-5	-0.8%
59.3%	575	576	1	0.2%
60.5%	573	572	0	-0.1%
61.7%	569	558	-12	-2.0%
63.0%	566	552	-14	-2.5%
64.2%	554	544	-10	-1.7%
65.4%	552	525	-27	-5.0%
66.7%	540	520	-21	-3.8%
67.9%	527	519	-8	-1.5%
69.1%	525	518	-7	-1.3%
70.4%	508	517	11	2.1%
71.6%	506	513	8	1.5%
72.8%	506	511	6	1.1%
74.1%	488	500	12	2.4%
75.3%	479	494	15	3.2%
76.5%	473	460	-14	-2.9%
77.8%	467	456	-10	-2.2%
79.0%	465	446	-18	-4.0%
80.2%	437	442	5	1.2%
81.5%	425	433	8	2.0%
82.7%	410	426	17	4.1%
84.0%	406	425	19	4.6%
85.2%	400	336	7	1.6%
86.4%	391	405	14	3.6%
87.7%	383	405	21	5.6%
88.9%	376	388	13	3.3%
90.1%	375	381	5	1.5%
91.4%	369	365	-3	-0.9%
92.6%	366	365	-1	-0.4%
93.8%	355	342	-13	-3.6%
95.1%	350	313	-38	-10.7%
96.3%	320	309	-11	-3.3%
97.5%	307	304	-3	-0.9%
98.8%	300	275	-25	-8.2%
100.0%	90	90	0	0.0%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	783	756	-27	-3.5%
1.2%	782	743	-39	-4.9%
2.5%	769	740	-29	-3.8%
3.7%	766	735	-32	-4.1%
4.9%	728	729	1	0.1%
6.2%	724	726	2	0.2%
7.4%	687	683	-5	-0.7%
8.6%	676	654	-21	-3.1%
9.9%	640	649	9	1.4%
11.1%	635	628	-7	-1.1%
12.3%	634	608	-26	-4.0%
13.6%	629	602	-27	-4.3%
14.8%	608	597	-11	-1.8%
16.0%	592	592	0	0.0%
17.3%	589	589	0	0.0%
18.5%	587	589	2	0.2%
19.8%	586	585	-1	-0.1%
21.0%	567	575	8	1.5%
22.2%	532	567	35	6.6%
23.5%	531	567	36	6.8%
24.7%	530	558	29	5.4%
25.9%	530	547	17	3.2%
27.2%	528	535	7	1.4%
28.4%	523	529	7	1.3%
29.6%	521	526	5	0.9%
30.9%	508	524	16	3.1%
32.1%	504	523	19	3.8%
33.3%	492	523	31	6.2%
34.6%	490	519	29	5.9%
35.8%	487	518	31	6.3%
37.0%	481	515	34	7.2%
38.3%	477	512	34	7.2%
39.5%	477	504	28	5.8%
40.7%	472	503	31	6.7%
42.0%	469	503	34	7.3%
43.2%	467	501	35	7.4%
44.4%	463	495	32	7.0%
45.7%	462	488	26	5.4%
46.9%	456	484	28	6.1%
48.1%	453	482	28	6.2%
49.4%	447	476	29	6.5%
50.6%	445	475	29	6.5%
51.9%	434	470	36	8.3%
53.1%	431	470	38	8.9%
54.3%	425	466	41	9.7%
55.6%	416	458	43	10.3%
56.8%	414	452	39	9.4%
58.0%	412	451	39	9.5%
59.3%	410	445	35	8.6%
60.5%	400	444	44	11.0%
61.7%	398	436	38	9.6%
63.0%	393	434	41	10.4%
64.2%	382	425	43	11.3%
65.4%	382	420	38	9.8%
66.7%	371	419	48	12.9%
67.9%	371	415	44	11.7%
69.1%	370	410	39	10.6%
70.4%	362	402	40	11.0%
71.6%	359	394	35	9.8%
72.8%	353	393	40	11.4%
74.1%	346	389	44	12.6%
75.3%	340	388	48	14.2%
76.5%	334	387	53	16.0%
77.8%	331	357	26	7.7%
79.0%	328	355	27	8.2%
80.2%	327	355	27	8.4%
81.5%	323	348	25	7.8%
82.7%	319	344	25	7.8%
84.0%	318	340	22	7.0%
85.2%	309	336	27	8.7%
86.4%	300	333	33	10.9%
87.7%	299	330	31	10.2%
88.9%	281	329	48	17.2%
90.1%	266	316	51	19.0%
91.4%	243	315	72	29.8%
92.6%	240	309	69	28.8%
93.8%	226	294	69	30.5%
95.1%	225	293	69	30.5%
96.3%	187	262	95	50.9%
97.5%	169	188	20	11.8%
98.8%	102	169	67	66.0%
100.0%	90	90	0	0.0%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	724	670	-54	-7.4%
1.2%	719	667	-53	-7.3%
2.5%	709	664	-45	-6.4%
3.7%	705	667	-48	-6.8%
4.9%	675	654	-21	-3.1%
6.2%	660	653	-7	-1.1%
7.4%	605	611	6	0.9%
8.6%	583	577	-6	-1.1%
9.9%	574	543	-31	-4.1%
11.1%	571	558	-13	-2.2%
12.3%	563	551	-12	-2.2%
13.6%	562	548	-14	-2.4%
14.8%	540	546	7	1.2%
16.0%	539	540	1	0.2%
17.3%	531	535	4	0.7%
18.5%	530	532	2	0.4%
19.8%	522	531	9	1.7%
21.0%	516	526	10	1.9%
22.2%	515	524	9	1.8%
23.5%	510	522	12	2.4%
24.7%	496	515	19	3.8%
25.9%	491	493	3	0.5%
27.2%	490	493	3	0.6%
28.4%	486	488	2	-0.4%
29.6%	479	484	6	1.2%
30.9%	478	484	7	1.4%
32.1%	475	481	7	1.4%
33.3%	474	479	5	1.0%
34.6%	468	478	11	2.3%
35.8%	466	478	12	2.6%
37.0%	460	473	13	2.9%
38.3%	459	472	13	2.8%
39.5%	453	467	14	3.2%
40.7%	446	461	14	3.2%
42.0%	440	460	14	3.2%
43.2%	442	462	12	2.8%
44.4%	437	452	14	3.3%
45.7%	428	450	22	5.1%
46.9%	423	448	25	5.8%
48.1%	423	447	24	5.6%
49.4%	418	447	29	6.8%
50.6%	412	441	28	6.8%
51.9%	409	439	30	7.2%
53.1%	406	439	33	8.0%
54.3%	397	434	37	9.3%
55.6%	396	419	23	5.8%
56.8%	392	418	25	6.6%
58.0%	388	417	30	7.7%
59.3%	387	416	29	7.4%
60.5%	378	416	38	9.9%
61.7%	377	414	37	9.9%
63.0%	375	412	38	10.1%
64.2%	370	407	37	10.1%
65.4%	369	406	37	10.0%
66.7%	365	406	41	11.3%
67.9%	364	388	24	6.5%
69.1%	354	367	14	3.9%
70.4%	353	365	12	3.4%
71.6%	351	384	33	9.4%
72.8%	329	372	43	13.1%
74.1%	312	353	40	12.9%
75.3%	311	348	37	12.0%
76.5%	308	341	33	10.7%
77.8%	308	338	30	9.6%
79.0%	300	337	37	12.4%
80.2%	293	330	37	12.5%
81.5%	292	329	37	12.5%
82.7%	282	316	34	12.2%
84.0%	281	301	20	7.0%
85.2%	281	300	19	6.8%
86.4%	270	296	26	9.6%
87.7%	265	291	26	9.8%
88.9%	248	285	37	14.7%
90.1%	239	265	46	19.4%
91.4%	212	284	72	34.0%
92.6%	207	280	73	35.1%
93.8%	199	277	78	39.1%
95.1%	187	268	81	43.4%
96.3%	155	181	11	7.1%
97.5%	155	165	10	6.5%
98.8%	90	130	40	44.9%
100.0%	90	90	0	0.0%

September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	638	611	-27	-4.2%
1.2%	614	611	-3	-0.5%
2.5%	600	603	3	0.4%
3.7%	592	600	8	1.4%
4.9%	592	597	5	0.8%
6.2%	566	579	13	2.3%
7.4%	551	564	14	2.5%
8.6%	544	546	2	0.4%
9.9%	554	526	-28	-4.1%
11.1%	518	519	1	0.3%
12.3%	513	507	-6	-1.2%
13.6%	512	497	-15	-2.9%
14.8%	493	494	1	0.2%
16.0%	491	490	-1	-0.1%
17.3%	484	484	0	0.0%
18.5%	482	480	-2	-0.5%

**Figure SW-25-b**  
**Folsom Lake, End of Month Elevation**  
**Probability of Exceedance**

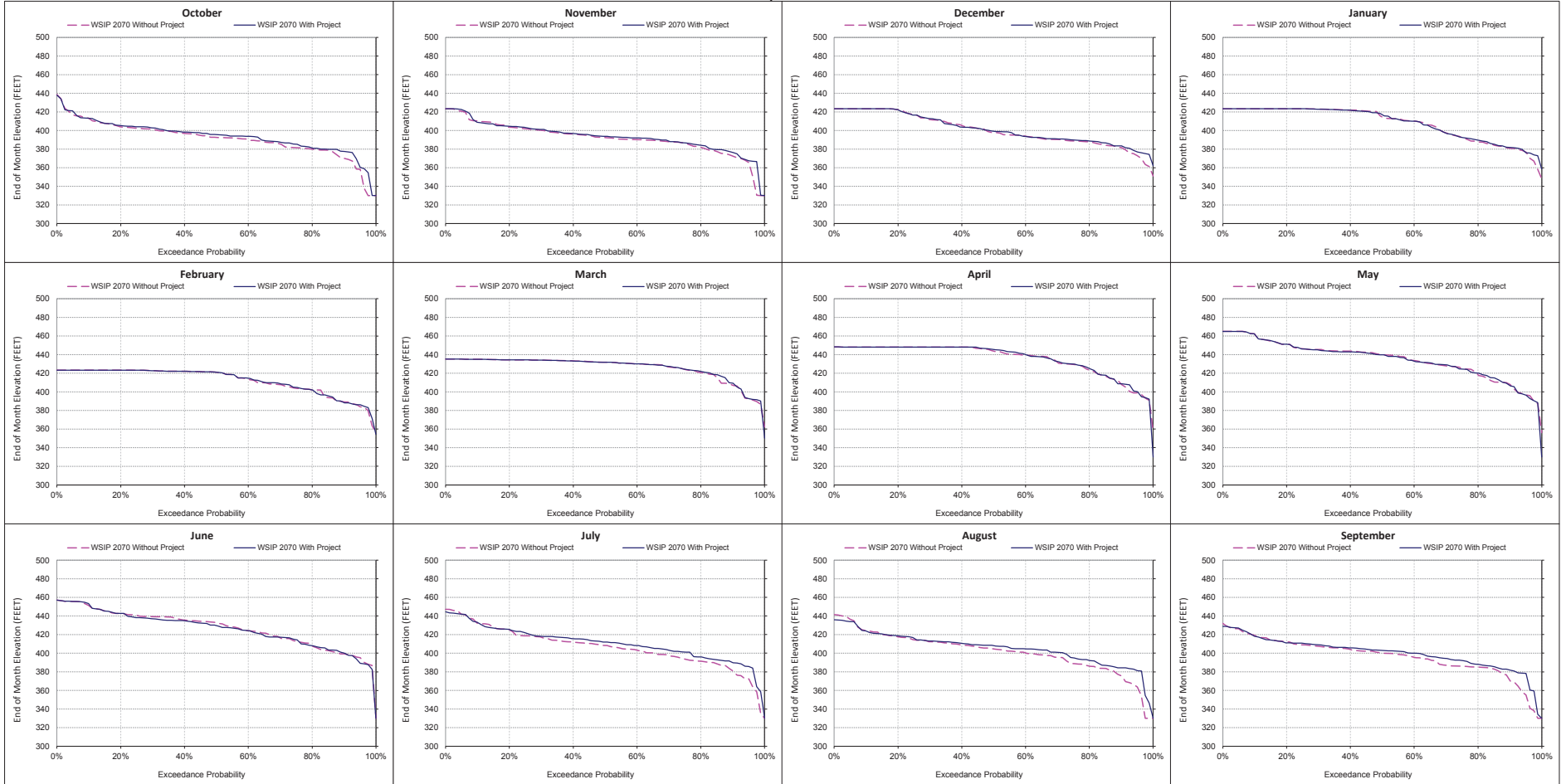


Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

October					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	439	438	-1	-0.2%	
1.2%	434	434	0	-0.1%	
2.5%	424	422	-2	-0.4%	
3.7%	421	421	1	0.2%	
4.9%	417	421	4	1.0%	
6.2%	416	416	0	0.1%	
7.4%	415	414	-2	-0.4%	
8.6%	414	413	0	-0.1%	
9.9%	413	413	0	0.0%	
11.1%	410	413	2	0.6%	
12.3%	410	411	1	0.3%	
13.6%	408	409	1	0.2%	
14.8%	408	408	0	0.0%	
16.0%	407	408	0	0.1%	
17.3%	406	407	1	0.3%	
18.5%	405	406	0	0.1%	
19.8%	404	405	1	0.3%	
21.0%	403	405	1	0.4%	
22.2%	403	405	1	0.3%	
23.5%	403	405	2	0.4%	
24.7%	403	404	2	0.4%	
25.9%	402	404	1	0.4%	
27.2%	402	404	2	0.5%	
28.4%	402	404	2	0.5%	
29.6%	402	403	1	0.3%	
30.9%	401	403	2	0.5%	
32.1%	400	401	2	0.4%	
33.3%	399	401	2	0.4%	
34.6%	399	400	1	0.1%	
35.8%	399	400	1	0.1%	
37.0%	398	399	2	0.4%	
38.3%	397	399	2	0.4%	
39.5%	397	398	1	0.3%	
40.7%	397	398	2	0.4%	
42.0%	396	398	1	0.4%	
43.2%	396	398	2	0.4%	
44.4%	395	398	3	0.6%	
45.7%	394	397	3	0.6%	
46.9%	394	397	2	0.6%	
48.1%	393	396	3	0.8%	
49.4%	393	396	3	0.8%	
50.6%	392	396	3	0.8%	
51.9%	392	395	3	0.7%	
53.1%	392	395	3	0.7%	
54.3%	392	394	2	0.5%	
55.6%	392	394	2	0.5%	
56.8%	392	394	2	0.6%	
58.0%	391	394	3	0.7%	
59.3%	391	394	3	0.8%	
60.5%	389	394	4	1.1%	
61.7%	389	393	4	1.1%	
63.0%	389	393	4	1.0%	
64.2%	389	390	1	0.3%	
65.4%	387	389	1	0.4%	
66.7%	387	389	2	0.4%	
67.9%	387	388	1	0.4%	
69.1%	386	388	2	0.4%	
70.4%	385	387	2	0.5%	
71.6%	382	387	5	1.2%	
72.8%	382	387	5	1.2%	
74.1%	382	385	4	1.0%	
75.3%	381	385	4	1.0%	
76.5%	381	383	2	0.5%	
77.8%	381	383	2	0.6%	
79.0%	381	382	2	0.5%	
80.2%	380	381	1	0.3%	
81.5%	379	381	1	0.4%	
82.7%	379	380	1	0.3%	
84.0%	379	380	1	0.3%	
85.2%	379	380	1	0.3%	
86.4%	377	380	3	0.7%	
87.7%	374	380	6	1.5%	
88.9%	371	378	7	1.9%	
90.1%	370	377	7	2.0%	
91.4%	369	377	8	2.2%	
92.6%	367	376	9	2.5%	
93.8%	369	370	11	3.1%	
95.1%	358	360	2	0.6%	
96.3%	338	359	21	6.2%	
97.5%	330	355	25	7.4%	
98.8%	330	330	0	0.0%	
100.0%	330	330	0	0.0%	

November					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	423	423	0	0.0%	
1.2%	423	423	0	0.0%	
2.5%	423	423	0	0.1%	
3.7%	421	423	2	0.4%	
4.9%	421	422	2	0.4%	
6.2%	420	421	1	0.2%	
7.4%	412	419	7	1.7%	
8.6%	412	412	1	0.3%	
9.9%	410	409	-2	-0.4%	
11.1%	410	408	-1	-0.3%	
12.3%	409	407	-2	-0.4%	
13.6%	409	407	-2	-0.5%	
14.8%	409	407	-2	-0.4%	
16.0%	406	405	-1	-0.3%	
17.3%	406	405	-1	-0.2%	
18.5%	406	405	-1	-0.2%	
19.8%	404	405	1	0.3%	
21.0%	403	404	1	0.2%	
22.2%	403	404	1	0.3%	
23.5%	402	404	1	0.3%	
24.7%	402	403	1	0.3%	
25.9%	402	403	1	0.3%	
27.2%	401	402	1	0.2%	
28.4%	401	401	1	0.2%	
29.6%	400	401	1	0.3%	
30.9%	400	401	1	0.3%	
32.1%	398	399	1	0.2%	
33.3%	398	399	1	0.2%	
34.6%	398	399	1	0.3%	
35.8%	397	398	1	0.3%	
37.0%	397	397	0	0.1%	
38.3%	396	397	1	0.2%	
39.5%	396	397	1	0.2%	
40.7%	396	397	1	0.1%	
42.0%	395	396	1	0.1%	
43.2%	396	396	1	0.1%	
44.4%	395	396	1	0.3%	
45.7%	394	395	1	0.1%	
46.9%	393	394	1	0.3%	
48.1%	393	394	1	0.3%	
49.4%	393	394	1	0.3%	
50.6%	392	394	2	0.4%	
51.9%	392	393	2	0.4%	
53.1%	392	393	2	0.4%	
54.3%	391	393	2	0.5%	
55.6%	391	393	2	0.5%	
56.8%	390	392	2	0.5%	
58.0%	390	392	2	0.4%	
59.3%	390	392	2	0.5%	
60.5%	390	392	2	0.4%	
61.7%	390	392	2	0.4%	
63.0%	390	392	2	0.5%	
64.2%	390	392	2	0.5%	
65.4%	389	391	1	0.3%	
66.7%	389	390	1	0.4%	
67.9%	389	390	1	0.3%	
69.1%	388	390	1	0.4%	
70.4%	388	388	0	0.1%	
71.6%	388	388	1	0.1%	
72.8%	387	388	0	0.1%	
74.1%	387	387	0	0.0%	
75.3%	386	387	0	0.1%	
76.5%	385	386	2	0.4%	
77.8%	383	385	2	0.6%	
79.0%	383	385	2	0.4%	
80.2%	382	384	2	0.6%	
81.5%	380	384	3	0.8%	
82.7%	379	381	2	0.5%	
84.0%	379	380	1	0.3%	
85.2%	377	380	2	0.6%	
86.4%	375	379	4	1.1%	
87.7%	375	379	3	0.9%	
88.9%	374	378	4	1.0%	
90.1%	372	375	4	1.1%	
91.4%	371	375	4	1.1%	
92.6%	370	370	0	0.1%	
93.8%	368	369	1	0.2%	
95.1%	365	367	2	0.5%	
96.3%	350	367	17	4.8%	
97.5%	330	367	38	11.0%	
98.8%	330	330	0	0.1%	
100.0%	330	330	0	0.0%	

December					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	423	423	0	0.0%	
1.2%	423	423	0	0.0%	
2.5%	423	423	0	0.0%	
3.7%	423	423	0	0.0%	
4.9%	423	423	0	0.0%	
6.2%	423	423	0	0.0%	
7.4%	423	423	0	0.0%	
8.6%	423	423	0	0.0%	
9.9%	423	423	0	0.0%	
11.1%	423	423	0	0.0%	
12.3%	423	423	0	0.0%	
13.6%	423	423	0	0.0%	
14.8%	423	423	0	0.0%	
16.0%	423	423	0	0.0%	
17.3%	423	423	0	0.0%	
18.5%	423	423	0	0.0%	
19.8%	422	420	-2	-0.4%	
21.0%	422	421	-1	-0.2%	
22.2%	420	419	-1	-0.1%	
23.5%	418	418	0	0.0%	
24.7%	418	417	-1	-0.2%	
25.9%	417	416	-1	-0.2%	
27.2%	414	415	1	0.2%	
28.4%	414	414	0	0.1%	
29.6%	412	413	1	0.2%	
30.9%	412	412	1	0.3%	
32.1%	411	412	0	0.1%	
33.3%	410	411	1	0.3%	
34.6%	410	407	-2	-0.6%	
35.8%	408	407	-1	-0.3%	
37.0%	408	406	-2	-0.4%	
38.3%	407	405	-1	-0.4%	
39.5%	406	404	-3	-0.6%	
40.7%	404	403	-1	-0.2%	
42.0%	403	403	-1	-0.2%	
43.2%	403	403	-1	-0.1%	
44.4%	403	402	0	0.0%	
45.7%	402	402	0	0.0%	
46.9%	402	401	-1	-0.1%	
48.1%	399	400	1	0.4%	
49.4%	399	400	2	0.4%	
50.6%	398	399	1	0.3%	
51.9%	397	399	2	0.4%	
53.1%	395	399	3	0.8%	
54.3%	395	398	3	0.7%	
55.6%	395	398	3	0.7%	
56.8%	395	395	0	0.0%	
58.0%	395	395	0	0.0%	
59.3%	394	394	-1	-0.2%	
60.5%	394	393	0	0.0%	
61.7%	393	393	0	-0.1%	
63.0%	393	393	0	0.0%	
64.2%	392	393	1	0.2%	
65.4%	391	392	1	0.2%	
66.7%	391	391	1	0.2%	
67.9%	390	391	1	0.2%	
69.1%	390	391	1	0.2%	
70.4%	390	391	1	0.1%	
71.6%	390	391	1	0.2%	
72.8%	389	391	1	0.4%	
74.1%	389	390	0	0.3%	
75.3%	389	390	1	0.3%	
76.5%	389	389	1	0.2%	
77.8%	388	389	1	0.2%	
79.0%	388	389	1	0.3%	
80.2%	388	389	1	0.2%	
81.5%	387	388	1	0.4%	
82.7%	386	388	2	0.6%	
84.0%	385	387	2	0.5%	
85.2%	384	387	3	0.7%	
86.4%	384	386	2	0.5%	
87.7%	384	384	0	0.0%	
88.9%	382	384	2	0.4%	
90.1%	382	383	2	0.5%	
91.4%	381	382	2	0.6%	
92.6%	376	381	5	1.4%	
93.8%	375	379	4	0.9%	
95.1%	373	377	4	1.1%	
96.3%	370	376	6	1.6%	
97.5%	367	375	12	3.2%	
98.8%	361	374	13	3.7%	
100.0%	351	362	11	3.1%	

January</					
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Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	422	422	0	0.0%
33.3%	422	422	0	0.0%
34.6%	422	422	0	0.0%
35.8%	422	422	0	0.0%
37.0%	422	422	0	0.0%
38.3%	422	422	0	0.0%
39.5%	422	422	0	0.0%
40.7%	422	422	0	0.0%
42.0%	422	422	0	0.0%
43.2%	422	422	0	0.0%
44.4%	422	422	0	0.0%
45.7%	422	422	0	0.0%
46.9%	422	422	0	0.0%
48.1%	421	421	0	0.0%
49.4%	421	421	0	0.0%
50.6%	421	420	0	0.0%
51.9%	420	420	0	0.0%
53.1%	419	419	0	0.0%
54.3%	419	419	0	0.0%
55.6%	418	418	0	0.0%
56.8%	415	415	0	0.0%
58.0%	415	415	0	0.0%
59.3%	414	415	1	0.1%
60.5%	413	414	1	0.3%
61.7%	412	413	0	0.1%
63.0%	410	412	3	0.6%
64.2%	410	411	1	0.3%
65.4%	410	410	0	0.0%
66.7%	408	410	1	0.4%
67.9%	408	410	1	0.3%
69.1%	408	410	1	0.4%
70.4%	408	408	0	0.0%
71.6%	406	408	2	0.5%
72.8%	406	408	2	0.5%
74.1%	404	405	1	0.2%
75.3%	404	405	1	0.3%
76.5%	404	404	0	0.0%
77.8%	403	403	0	0.0%
79.0%	403	403	0	0.0%
80.2%	402	402	0	0.0%
81.5%	402	398	-4	-1.0%
82.7%	402	397	-5	-1.3%
84.0%	394	397	2	0.6%
85.2%	394	396	2	0.5%
86.4%	393	394	1	0.2%
87.7%	390	390	0	0.1%
88.9%	390	390	0	0.1%
90.1%	388	388	-1	-0.2%
91.4%	389	388	-1	-0.2%
92.6%	387	387	0	0.0%
93.8%	386	386	0	-0.1%
95.1%	384	386	2	0.6%
96.3%	383	385	1	0.3%
97.5%	383	383	3	0.8%
98.8%	364	371	8	2.1%
100.0%	356	355	-2	-0.4%

March				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	435	435	0	0.0%
1.2%	435	435	0	0.0%
2.5%	435	435	0	0.0%
3.7%	435	435	0	0.0%
4.9%	435	435	0	0.0%
6.2%	435	435	0	0.0%
7.4%	435	435	0	0.0%
8.6%	435	435	0	0.0%
9.9%	435	435	0	0.0%
11.1%	435	435	0	0.0%
12.3%	435	435	0	0.0%
13.6%	435	435	0	-0.1%
14.8%	435	435	0	0.0%
16.0%	435	435	0	0.0%
17.3%	435	434	0	0.0%
18.5%	434	434	0	0.0%
19.8%	434	434	0	0.0%
21.0%	434	434	0	0.0%
22.2%	434	434	0	0.0%
23.5%	434	434	0	0.0%
24.7%	434	434	0	0.0%
25.9%	434	434	0	0.0%
27.2%	434	434	0	0.0%
28.4%	434	434	0	0.0%
29.6%	434	434	0	0.0%
30.9%	434	434	0	0.0%
32.1%	434	434	0	-0.1%
33.3%	434	434	0	0.0%
34.6%	434	434	0	0.0%
35.8%	434	434	0	0.0%
37.0%	434	433	0	0.0%
38.3%	433	433	0	0.0%
39.5%	433	433	0	0.0%
40.7%	433	433	0	0.0%
42.0%	433	433	0	0.0%
43.2%	433	433	0	0.0%
44.4%	433	432	0	-0.1%
45.7%	432	432	0	-0.1%
46.9%	432	432	0	0.0%
48.1%	432	432	0	0.0%
49.4%	432	432	0	0.0%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.0%
53.1%	432	432	0	0.0%
54.3%	431	431	0	0.0%
55.6%	431	431	0	0.0%
56.8%	431	431	0	0.0%
58.0%	430	430	0	0.0%
59.3%	430	430	0	0.0%
60.5%	430	430	0	0.0%
61.7%	430	430	0	0.0%
63.0%	430	430	0	0.0%
64.2%	429	429	0	0.0%
65.4%	429	429	0	0.0%
66.7%	429	429	0	-0.1%
67.9%	429	429	0	0.0%
69.1%	427	427	0	0.0%
70.4%	427	427	1	0.2%
71.6%	426	427	0	0.1%
72.8%	426	426	0	0.0%
74.1%	425	425	0	0.0%
75.3%	424	424	0	0.1%
76.5%	423	424	1	0.1%
77.8%	423	423	0	0.0%
79.0%	421	423	1	0.3%
80.2%	421	422	1	0.3%
81.5%	420	421	1	0.2%
82.7%	418	421	2	0.4%
84.0%	419	419	0	0.0%
85.2%	415	419	3	0.8%
86.4%	409	417	7	1.8%
87.7%	409	415	6	1.4%
88.9%	409	410	1	0.3%
90.1%	408	409	2	0.6%
91.4%	406	405	-1	-0.3%
92.6%	401	403	2	0.4%
93.8%	393	394	1	0.2%
95.1%	392	393	0	0.1%
96.3%	391	392	1	0.2%
97.5%	390	391	2	0.5%
98.8%	387	390	3	0.9%
100.0%	362	350	-12	-3.3%

April				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	0.0%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	0.0%
4.9%	448	448	0	0.0%
6.2%	448	448	0	0.0%
7.4%	448	448	0	0.0%
8.6%	448	448	0	0.0%
9.9%	448	448	0	0.0%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	448	448	0	0.0%
14.8%	448	448	0	0.0%
16.0%	448	448	0	0.0%
17.3%	448	448	0	0.0%
18.5%	448	448	0	0.0%
19.8%	448	448	0	0.0%
21.0%	448	448	0	0.0%
22.2%	448	448	0	0.0%
23.5%	448	448	0	0.0%
24.7%	448	448	0	0.0%
25.9%	448	448	0	0.0%
27.2%	448	448	0	0.0%
28.4%	448	448	0	0.0%
29.6%	448	448	0	0.0%
30.9%	448	448	0	0.0%
32.1%	448	448	0	0.0%
33.3%	448	448	0	0.0%
34.6%	448	448	0	0.0%
35.8%	448	448	0	0.0%
37.0%	448	448	0	0.0%
38.3%	448	448	0	0.0%
39.5%	448	448	0	0.0%
40.7%	448	448	0	0.0%
42.0%	448	448	0	0.0%
43.2%	448	448	0	0.0%
44.4%	447	448	1	0.3%
45.7%	447	447	0	0.1%
46.9%	446	447	1	0.2%
48.1%	446	446	1	0.1%
49.4%	444	446	1	0.3%
50.6%	443	445	2	0.5%
51.9%	443	445	2	0.4%
53.1%	442	444	2	0.6%
54.3%	441	443	3	0.6%
55.6%	441	443	2	0.5%
56.8%	440	443	2	0.6%
58.0%	440	441	1	0.3%
59.3%	439	441	2	0.4%
60.5%	439	439	0	0.0%
61.7%	439	438	-1	-0.2%
63.0%	438	438	0	0.0%
64.2%	438	438	0	-0.1%
65.4%	438	437	-1	-0.2%
66.7%	438	436	-2	-0.3%
67.9%	435	435	0	0.1%
69.1%	434	433	-1	-0.2%
70.4%	431	432	2	0.4%
71.6%	430	431	1	0.2%
72.8%	430	426	0	0.1%
74.1%	430	430	0	0.1%
75.3%	429	430	1	0.1%
76.5%	429	429	0	-0.1%
77.8%	428	428	1	0.2%
79.0%	425	427	2	0.5%
80.2%	423	425	2	0.4%
81.5%	422	423	1	0.3%
82.7%	419	419	0	-0.1%
84.0%	418	419	0	0.1%
85.2%	418	418	1	0.3%
86.4%	415	415	0	0.0%
87.7%	414	414	0	0.1%
88.9%	412	409	-4	-0.9%
90.1%	408	408	1	0.2%
91.4%	405	408	3	0.8%
92.6%	401	408	7	1.8%
93.8%	399	401	2	0.5%
95.1%	399	400	1	0.3%
96.3%	397	395	-2	-0.6%
97.5%	393	394	0	0.1%
98.8%	391	392	1	0.3%
100.0%	357	330	-27	-7.6%

May				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	464	464	0	0.0%
8.6%	463	463	0	0.0%
9.9%	462	462	0	0.0%
11.1%	457	457	0	0.0%
12.3%	456	456	0	0.0%
13.6%	456	456	0	0.0%
14.8%	455	455	1	0.2%
16.0%	454	454	0	0.0%
17.3%	453	453	0	0.0%
18.5%	451	451	0	0.0%
19.8%	451	451	0	0.0%
21.0%	451	451	0	0.0%
22.2%	448	448	0	0.1%
23.5%	447	448	1	0.2%
24.7%	446	446	0	-0

Table SW-25-b  
Folsom Lake, End of Month Elevation  
Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	457	457	0	0.0%
1.2%	457	457	0	0.0%
2.5%	456	456	0	0.0%
3.7%	456	456	0	0.0%
4.9%	456	456	0	0.0%
6.2%	455	456	0	0.0%
7.4%	455	455	0	0.0%
8.6%	455	455	1	0.3%
9.9%	451	453	2	0.4%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	447	447	0	0.0%
14.8%	445	445	0	0.0%
16.0%	445	445	0	0.0%
17.3%	443	444	1	0.2%
18.5%	443	443	0	0.0%
19.8%	443	443	0	0.0%
21.0%	442	443	0	0.1%
22.2%	441	440	-2	-0.4%
23.5%	441	439	-2	-0.5%
24.7%	441	438	-3	-0.7%
25.9%	440	438	-2	-0.4%
27.2%	440	438	-2	-0.3%
28.4%	439	438	-0.4%	-0.3%
29.6%	439	437	-2	-0.5%
30.9%	439	437	-2	-0.5%
32.1%	439	436	-3	-0.7%
33.3%	439	436	-3	-0.8%
34.6%	439	435	-4	-0.8%
35.8%	439	435	-3	-0.8%
37.0%	438	435	-2	-0.6%
38.3%	437	435	-1	-0.3%
39.5%	436	435	-1	-0.2%
40.7%	435	435	-1	-0.2%
42.0%	435	434	-1	-0.3%
43.2%	435	433	-2	-0.4%
44.4%	434	433	-2	-0.4%
45.7%	434	432	-2	-0.4%
46.9%	434	432	-2	-0.4%
48.1%	434	430	-3	-0.7%
49.4%	433	430	-3	-0.7%
50.6%	432	429	-3	-0.7%
51.9%	432	428	-4	-0.9%
53.1%	430	428	-2	-0.4%
54.3%	429	427	-1	-0.3%
55.6%	428	427	-1	-0.3%
56.8%	427	426	-1	-0.2%
58.0%	425	425	-1	-0.1%
59.3%	424	424	0	0.0%
60.5%	424	424	0	0.0%
61.7%	424	422	-1	-0.3%
63.0%	423	421	-2	-0.4%
64.2%	422	420	-1	-0.3%
65.4%	421	418	-3	-0.8%
66.7%	420	417	-3	-0.6%
67.9%	418	417	-1	-0.2%
69.1%	418	417	-1	-0.2%
70.4%	416	417	1	0.3%
71.6%	416	417	1	0.2%
72.8%	416	416	1	0.2%
74.1%	414	415	1	0.4%
75.3%	412	414	2	0.5%
76.5%	412	410	-2	-0.4%
77.8%	411	410	-1	-0.3%
79.0%	411	408	-2	-0.6%
80.2%	407	408	1	0.2%
81.5%	406	407	1	0.3%
82.7%	404	406	2	0.5%
84.0%	403	406	2	0.6%
85.2%	403	404	1	0.2%
86.4%	402	403	2	0.4%
87.7%	401	403	3	0.7%
88.9%	399	401	2	0.5%
90.1%	399	400	1	0.2%
91.4%	398	398	-1	-0.1%
92.6%	398	398	0	-0.1%
93.8%	396	394	-2	-0.5%
95.1%	395	389	-6	-1.6%
96.3%	390	388	-2	-0.4%
97.5%	388	388	0	-0.1%
98.8%	387	383	-4	-1.1%
100.0%	330	330	0	0.0%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	447	445	-3	-0.8%
1.2%	447	443	-4	-0.9%
2.5%	446	443	-3	-0.6%
3.7%	446	443	-3	-0.7%
4.9%	442	442	0	0.0%
6.2%	442	442	0	0.0%
7.4%	438	437	0	0.1%
8.6%	437	434	-3	-0.8%
9.9%	432	424	1	0.3%
11.1%	432	431	-1	-0.2%
12.3%	432	428	-3	-0.7%
13.6%	431	428	-3	-0.8%
14.8%	428	427	-1	-0.3%
16.0%	426	426	0	0.0%
17.3%	426	426	0	0.0%
18.5%	426	419	0	0.0%
19.8%	426	426	0	0.0%
21.0%	423	424	1	0.2%
22.2%	419	423	4	1.0%
23.5%	419	423	4	1.1%
24.7%	419	422	2	0.8%
25.9%	419	421	2	0.5%
27.2%	418	419	1	0.2%
28.4%	418	419	1	0.2%
29.6%	418	418	1	0.1%
30.9%	416	413	2	0.5%
32.1%	416	418	2	0.6%
33.3%	414	418	4	0.9%
34.6%	414	417	4	0.9%
35.8%	413	417	4	0.9%
37.0%	413	417	4	1.0%
38.3%	412	417	4	1.0%
39.5%	412	416	3	0.8%
40.7%	412	415	4	0.9%
42.0%	411	415	4	1.0%
43.2%	411	415	4	1.0%
44.4%	410	414	4	1.0%
45.7%	410	414	3	0.8%
46.9%	410	413	3	0.8%
48.1%	409	413	3	0.9%
49.4%	408	412	4	0.9%
50.6%	408	412	4	0.9%
51.9%	407	411	4	1.1%
53.1%	407	411	5	1.2%
54.3%	406	411	5	1.2%
55.6%	405	410	5	1.3%
56.8%	404	409	5	1.2%
58.0%	404	405	4	1.1%
59.3%	404	408	4	1.1%
60.5%	403	408	5	1.3%
61.7%	402	407	5	1.2%
63.0%	400	407	6	1.6%
64.2%	400	406	5	1.4%
65.4%	400	405	5	1.2%
66.7%	399	405	6	1.6%
67.9%	399	405	6	1.5%
69.1%	398	404	5	1.4%
70.4%	397	403	6	1.5%
71.6%	397	402	5	1.4%
72.8%	396	402	6	1.6%
74.1%	394	401	7	1.8%
75.3%	393	401	8	2.0%
76.5%	392	401	9	2.2%
77.8%	392	396	4	1.1%
79.0%	392	396	4	1.1%
80.2%	391	396	4	1.1%
81.5%	391	395	4	1.1%
82.7%	390	394	4	1.0%
84.0%	390	394	4	0.9%
85.2%	388	393	4	1.1%
86.4%	387	392	5	1.4%
87.7%	387	392	5	1.3%
88.9%	384	392	8	2.1%
90.1%	381	380	9	2.3%
91.4%	376	389	13	3.5%
92.6%	376	388	13	3.4%
93.8%	373	386	13	3.6%
95.1%	372	386	14	3.6%
96.3%	364	384	20	5.6%
97.5%	358	364	6	1.5%
98.8%	335	359	23	6.9%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	442	436	-5	-1.2%
1.2%	441	436	-5	-1.2%
2.5%	440	435	-5	-1.1%
3.7%	440	434	-5	-1.2%
4.9%	437	434	-3	-0.6%
6.2%	435	434	-1	-0.2%
7.4%	428	429	1	0.2%
8.6%	428	425	-1	-0.2%
9.9%	424	423	0	0.0%
11.1%	424	422	-2	-0.4%
12.3%	423	421	-2	-0.4%
13.6%	423	421	-2	-0.4%
14.8%	420	421	1	0.2%
16.0%	420	420	0	0.0%
17.3%	419	419	0	0.1%
18.5%	419	419	0	0.1%
19.8%	418	419	1	0.3%
21.0%	417	418	1	0.3%
22.2%	417	418	1	0.3%
23.5%	416	418	1	0.4%
24.7%	415	417	2	0.6%
25.9%	414	414	0	0.1%
27.2%	414	414	0	0.1%
28.4%	414	414	0	-0.1%
29.6%	412	413	1	0.2%
30.9%	412	413	1	0.2%
32.1%	412	413	1	0.2%
33.3%	412	412	1	0.1%
34.6%	411	412	1	0.3%
35.8%	411	412	2	0.4%
37.0%	410	412	2	0.4%
38.3%	410	412	2	0.4%
39.5%	409	411	2	0.4%
40.7%	408	410	2	0.4%
42.0%	408	410	2	0.4%
43.2%	408	409	2	0.4%
44.4%	407	409	2	0.4%
45.7%	406	409	3	0.7%
46.9%	406	409	3	0.7%
48.1%	406	408	3	0.7%
49.4%	405	408	4	0.9%
50.6%	404	408	3	0.9%
51.9%	404	408	4	0.9%
53.1%	403	411	4	1.0%
54.3%	402	407	5	1.1%
55.6%	402	405	3	0.7%
56.8%	402	405	3	0.8%
58.0%	401	405	4	0.9%
59.3%	401	405	4	0.9%
60.5%	400	405	5	1.2%
61.7%	400	404	5	1.2%
63.0%	399	404	5	1.3%
64.2%	398	404	5	1.3%
65.4%	398	403	5	1.3%
66.7%	398	403	6	1.5%
67.9%	397	401	4	1.0%
69.1%	396	401	5	1.4%
70.4%	396	401	5	1.3%
71.6%	395	401	5	1.4%
72.8%	392	399	6	1.8%
74.1%	389	396	7	1.7%
75.3%	389	395	6	1.6%
76.5%	388	394	5	1.4%
77.8%	388	393	5	1.2%
79.0%	387	393	6	1.6%
80.2%	386	392	6	1.6%
81.5%	386	392	6	1.5%
82.7%	384	390	6	1.5%
84.0%	384	387	3	0.9%
85.2%	384	387	3	0.9%
86.4%	382	386	5	1.2%
87.7%	381	386	5	1.3%
88.9%	377	384	7	1.9%
90.1%	375	384	9	2.4%
91.4%	369	384	15	4.0%
92.6%	368	383	15	4.1%
93.8%	367	383	16	4.5%
95.1%	364	381	18	4.9%
96.3%	354	381	26	7.4%
97.5%	350	365	15	4.3%
98.8%	330	346	16	4.9%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	432	429	-3	-0.8%
1.2%	429	429	0	-0.1%
2.5%	427	428	0	0.1%
3.7%	426	427	1	0.2%
4.9%	426	427	1	0.1%
6.2%	425	425	2	0.4%
7.4%	421	423	2	0.4%
8.6%	420	421	0	0.1%
9.9%	419	418	-1	-0.2%
11.1%	417	417	0	0.0%
12.3%	417	416	-1	-0.2%
13.6%	417	415	-2	-0.4%
14.8%	414	414	0	0.0%
16.0%	414	414	0	0.0%
17.3%	413	413	0	0.0%
18.5%	413	413	0	-0.1%
19.8%	412	411	-1	-0.3%
21.0%	412	411	-1	-0.2%
22.2%	410	411	1	0.2%
23.5%	409	411	2	0.4%
24.7%	409	41		

**Figure SW-26-b**  
**Folsom Lake, End of Month Area**  
**Probability of Exceedance**

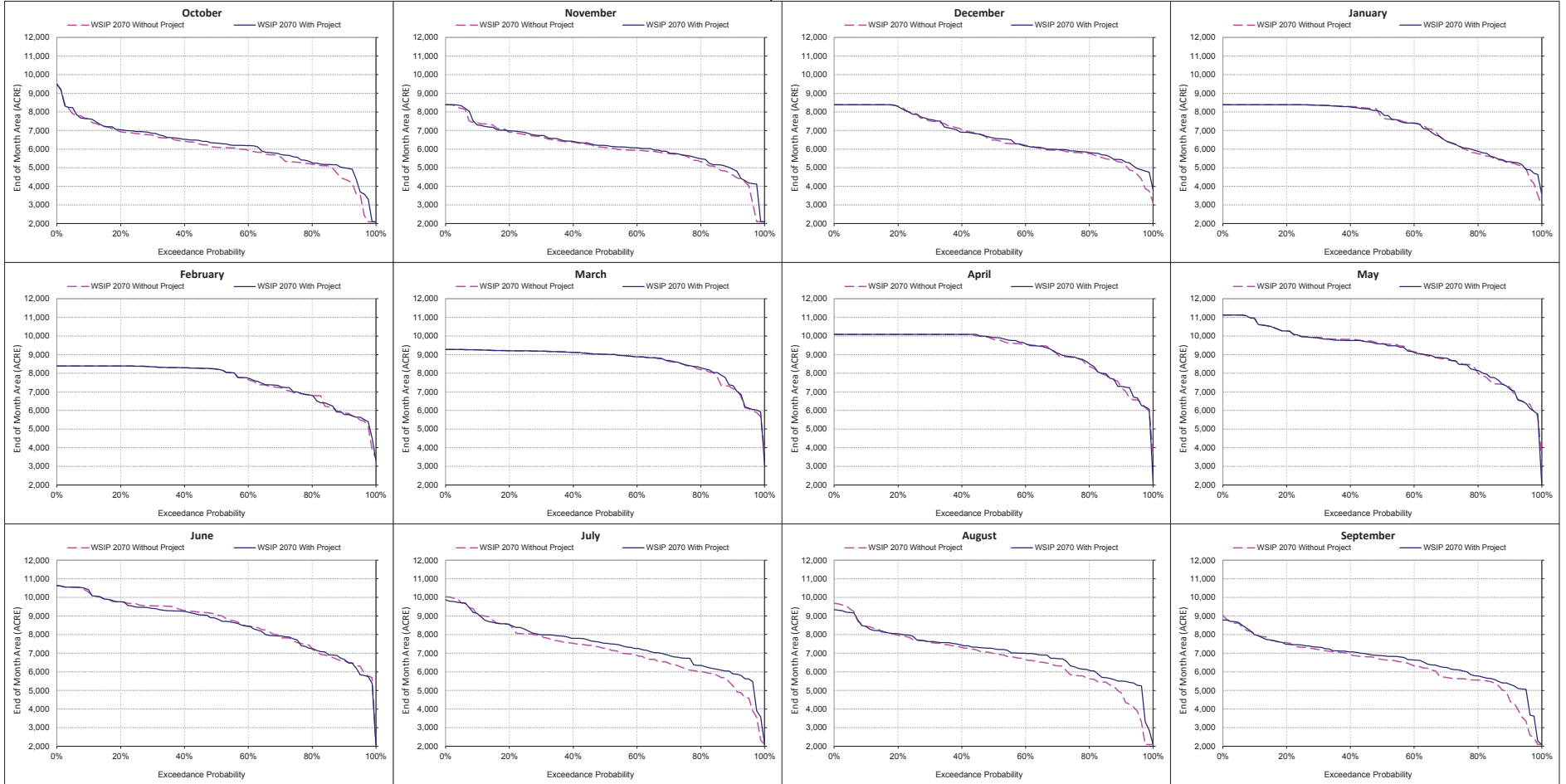


Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,510	9,468	-42	-0.4%
1.2%	9,213	9,183	-30	-0.3%
2.5%	8,434	8,312	-121	-1.4%
3.7%	8,180	8,248	68	0.8%
4.9%	7,900	8,223	323	4.1%
6.2%	7,819	7,853	34	0.4%
7.4%	7,800	7,674	-126	-1.6%
8.6%	7,667	7,649	-18	-0.2%
9.9%	7,639	7,634	-5	-0.1%
11.1%	7,420	7,601	181	2.4%
12.3%	7,369	7,462	94	1.3%
13.6%	7,272	7,327	55	0.8%
14.8%	7,228	7,216	-11	-0.2%
16.0%	7,184	7,208	23	0.3%
17.3%	7,096	7,200	104	1.5%
18.5%	7,046	7,063	17	0.2%
19.8%	6,942	7,046	104	1.5%
21.0%	6,904	7,015	111	1.6%
22.2%	6,893	6,991	99	1.4%
23.5%	6,875	6,988	113	1.6%
24.7%	6,833	6,946	113	1.6%
25.9%	6,829	6,940	111	1.6%
27.2%	6,786	6,935	150	2.2%
28.4%	6,777	6,920	143	2.1%
29.6%	6,762	6,865	103	1.5%
30.9%	6,695	6,846	151	2.3%
32.1%	6,621	6,752	131	2.0%
33.3%	6,607	6,720	113	1.7%
34.6%	6,595	6,629	41	0.6%
35.8%	6,577	6,614	37	0.6%
37.0%	6,492	6,606	114	1.8%
38.3%	6,458	6,570	111	1.7%
39.5%	6,431	6,528	97	1.5%
40.7%	6,403	6,517	113	1.8%
42.0%	6,404	6,464	60	1.0%
43.2%	6,366	6,489	122	1.9%
44.4%	6,285	6,473	188	3.0%
45.7%	6,232	6,415	183	2.9%
46.9%	6,232	6,414	183	2.9%
48.1%	6,116	6,342	226	3.7%
49.4%	6,111	6,326	215	3.5%
50.6%	6,089	6,319	230	3.8%
51.9%	6,088	6,284	196	3.2%
53.1%	6,073	6,281	208	3.4%
54.3%	6,069	6,218	149	2.5%
55.6%	6,063	6,208	145	2.4%
56.8%	6,029	6,207	178	2.9%
58.0%	5,987	6,199	213	3.5%
59.3%	5,979	6,194	215	3.6%
60.5%	5,870	6,193	323	5.5%
61.7%	5,867	6,167	300	5.1%
63.0%	5,828	6,121	293	5.0%
64.2%	5,822	5,900	79	1.3%
65.4%	5,723	5,828	105	1.8%
66.7%	5,692	5,815	123	2.2%
67.9%	5,692	5,791	100	1.8%
69.1%	5,653	5,780	127	2.2%
70.4%	5,549	5,698	149	2.7%
71.6%	5,343	5,675	332	6.2%
72.8%	5,332	5,663	331	6.2%
74.1%	5,309	5,584	275	5.2%
75.3%	5,290	5,562	271	5.1%
76.5%	5,274	5,413	139	2.6%
77.8%	5,236	5,402	166	3.2%
79.0%	5,221	5,349	128	2.4%
80.2%	5,177	5,249	72	1.4%
81.5%	5,142	5,244	102	2.0%
82.7%	5,111	5,186	75	1.5%
84.0%	5,108	5,180	72	1.4%
85.2%	5,100	5,172	72	1.4%
86.4%	4,979	5,164	186	3.7%
87.7%	4,727	5,160	433	9.2%
88.9%	4,467	5,027	560	12.5%
90.1%	4,388	4,986	607	13.8%
91.4%	4,298	4,958	660	15.4%
92.6%	4,152	4,922	770	18.6%
93.8%	3,575	4,376	802	22.4%
95.1%	3,552	3,685	133	3.7%
96.3%	2,444	3,596	1,153	47.2%
97.5%	2,091	3,222	1,231	58.9%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Percent Exceedance Probability (%)	November			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,366	8,385	18	0.2%
3.7%	8,232	8,366	135	1.6%
4.9%	8,191	8,322	131	1.6%
6.2%	8,124	8,191	67	0.8%
7.4%	7,510	8,028	518	6.9%
8.6%	7,420	7,510	91	1.1%
9.9%	7,424	7,298	-127	-1.7%
11.1%	7,358	7,268	-90	-1.2%
12.3%	7,351	7,214	-137	-1.9%
13.6%	7,327	7,186	-141	-1.9%
14.8%	7,298	7,170	-128	-1.8%
16.0%	7,127	7,038	-89	-1.3%
17.3%	7,083	7,022	-61	-0.9%
18.5%	7,079	7,016	-63	-0.9%
19.8%	6,915	6,993	78	1.1%
21.0%	6,895	6,968	73	1.1%
22.2%	6,865	6,960	95	1.4%
23.5%	6,829	6,927	98	1.4%
24.7%	6,787	6,900	113	1.7%
25.9%	6,762	6,846	84	1.2%
27.2%	6,714	6,777	63	0.9%
28.4%	6,690	6,752	62	0.9%
29.6%	6,669	6,733	64	1.0%
30.9%	6,656	6,731	97	1.5%
32.1%	6,534	6,599	65	1.0%
33.3%	6,510	6,579	69	1.1%
34.6%	6,489	6,570	81	1.2%
35.8%	6,435	6,517	82	1.3%
37.0%	6,413	6,444	31	0.5%
38.3%	6,379	6,435	56	0.9%
39.5%	6,379	6,424	46	0.7%
40.7%	6,354	6,395	41	0.6%
42.0%	6,311	6,350	39	0.6%
43.2%	6,293	6,333	39	0.6%
44.4%	6,258	6,332	74	1.2%
45.7%	6,229	6,267	37	0.6%
46.9%	6,129	6,222	93	1.5%
48.1%	6,113	6,199	87	1.4%
49.4%	6,103	6,198	95	1.6%
50.6%	6,072	6,181	110	1.8%
51.9%	6,056	6,144	88	1.5%
53.1%	6,025	6,137	113	1.9%
54.3%	5,974	6,119	145	2.4%
55.6%	5,964	6,114	151	2.5%
56.8%	5,950	6,096	146	2.5%
58.0%	5,943	6,071	128	2.2%
59.3%	5,935	6,070	135	2.3%
60.5%	5,927	6,053	126	2.1%
61.7%	5,921	6,038	117	2.0%
63.0%	5,894	6,032	138	2.3%
64.2%	5,887	6,028	142	2.4%
65.4%	5,872	5,952	80	1.4%
66.7%	5,843	5,946	103	1.8%
67.9%	5,810	5,895	85	1.5%
69.1%	5,790	5,892	101	1.8%
70.4%	5,749	5,776	28	0.5%
71.6%	5,732	5,773	41	0.7%
72.8%	5,725	5,751	27	0.5%
74.1%	5,694	5,682	-12	-0.2%
75.3%	5,632	5,662	30	0.5%
76.5%	5,523	5,534	110	2.0%
77.8%	5,400	5,571	171	3.2%
79.0%	5,393	5,514	122	2.3%
80.2%	5,308	5,474	166	3.1%
81.5%	5,216	5,443	227	4.4%
82.7%	5,097	5,234	137	2.7%
84.0%	5,085	5,159	74	1.5%
85.2%	4,988	5,156	168	3.4%
86.4%	4,841	5,141	300	6.2%
87.7%	4,828	5,083	255	5.3%
88.9%	4,730	5,012	282	6.0%
90.1%	4,591	5,430	839	18.3%
91.4%	4,457	4,808	351	7.9%
92.6%	4,385	4,412	27	0.6%
93.8%	4,241	4,310	69	1.6%
95.1%	4,016	4,173	157	3.9%
96.3%	3,056	4,143	1,087	35.6%
97.5%	2,091	4,113	2,022	96.8%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Percent Exceedance Probability (%)	December			
	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,366	8,366	0	0.0%
19.8%	8,318	8,321	3	0.0%
21.0%	8,304	8,181	-123	-1.5%
22.2%	8,110	8,074	-37	-0.5%
23.5%	7,989	7,989	0	0.0%
24.7%	7,952	7,878	-74	-0.9%
25.9%	7,878	7,875	-3	0.0%
27.2%	7,660	7,735	74	1.0%
28.4%	7,656	7,674	17	0.2%
29.6%	7,532	7,606	73	1.0%
30.9%	7,492	7,575	82	1.1%
32.1%	7,484	7,518	34	0.5%
33.3%	7,412	7,500	88	1.2%
34.6%	7,370	7,189	-181	-2.5%
35.8%	7,249	7,150	-99	-1.4%
37.0%	7,218	7,104	-114	-1.6%
38.3%	7,150	7,043	-107	-1.5%
39.5%	7,104	6,913	-192	-2.7%
40.7%	6,971	6,901	-70	-1.0%
42.0%	6,947	6,947	0	0.0%
43.2%	6,901	6,863	-38	-0.6%
44.4%	6,840	6,829	-11	-0.2%
45.7%	6,790	6,804	14	0.2%
46.9%	6,756	6,715	-41	-0.6%
48.1%	6,566	6,672	107	1.6%
49.4%	6,490	6,612	121	1.9%
50.6%	6,488	6,571	83	1.3%
51.9%	6,447	6,557	110	1.7%
53.1%	6,315	6,551	235	3.7%
54.3%	6,311	6,533	222	3.5%
55.6%	6,288	6,490	203	3.2%
56.8%	6,286	6,288	1	0.0%
58.0%	6,279	6,267	-11	-0.2%
59.3%	6,234	6,188	-46	-0.7%
60.5%	6,171	6,164	-7	-0.1%
61.7%	6,143	6,112	-31	-0.5%
63.0%	6,101	6,107	6	0.1%
64.2%	6,049	6,101	52	0.9%
65.4%	5,989	6,060	70	1.2%
66.7%	5,952	6,006	54	0.9%
67.9%	5,947	5,998	51	0.9%
69.1%	5,941	5,991	50	0.8%
70.4%	5,941	5,974	37	0.6%
71.6%	5,922	5,969	47	0.8%
72.8%	5,861	5,963	102	1.7%
74.1%	5,831	5,906	75	1.3%
75.3%	5,819	5,904	85	1.5%
76.5%	5,817	5,869	52	0.9%
77.8%	5,788	5,857	68	1.2%
79.0%	5,769	5,845	76	1.3%
80.2%	5,758	5,807	49	0.9%
81.5%	5,681	5,785	103	1.8%
82.7%	5,602	5,779	177	3.2%
84.0%	5,549	5,692	143	2.6%
85.2%	5,478	5,676	198	3.6%
86.4%	5,446	5,586	140	2.6%
87.7%	5,441	5,446	6	0.1%
88.9%	5,319	5,444	124	2.3%
90.1%	5,301	5,430	129	2.4%
91.4%	5,123	5,302	179	3.5%
92.6%	4,879	5,260	381	7.8%
93.8%	4,823	5,		

Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,376	8,205	0	0.0%
25.9%	8,376	8,205	0	0.0%
27.2%	8,376	8,376	0	0.0%
28.4%	8,368	8,368	0	0.0%
29.6%	8,348	8,348	0	0.0%
30.9%	8,339	8,339	0	0.0%
32.1%	8,320	8,320	0	0.0%
33.3%	8,320	8,320	0	0.0%
34.6%	8,302	8,302	0	0.0%
35.8%	8,302	8,302	0	0.0%
37.0%	8,302	8,302	0	0.0%
38.3%	8,302	8,302	0	0.0%
39.5%	8,293	8,293	0	0.0%
40.7%	8,293	8,293	0	0.0%
42.0%	8,293	8,293	0	0.0%
43.2%	8,274	8,274	0	0.0%
44.4%	8,274	8,274	0	0.0%
45.7%	8,256	8,256	0	0.0%
46.9%	8,256	8,256	0	0.0%
48.1%	8,247	8,247	0	0.0%
49.4%	8,237	8,237	0	0.0%
50.6%	8,201	8,201	0	0.0%
51.9%	8,164	8,164	0	0.0%
53.1%	8,044	8,044	0	0.0%
54.3%	8,035	8,035	0	0.0%
55.6%	8,016	8,016	0	0.0%
56.8%	7,758	7,772	14	0.2%
58.0%	7,758	8,919	0	0.0%
59.3%	7,712	7,758	46	0.6%
60.5%	7,609	7,712	104	1.4%
61.7%	7,570	7,600	30	0.4%
63.0%	7,381	7,570	190	2.6%
64.2%	7,381	7,466	85	1.2%
65.4%	7,371	7,381	9	0.1%
66.7%	7,270	7,381	111	1.5%
67.9%	7,268	7,371	103	1.4%
69.1%	7,242	7,354	112	1.5%
70.4%	7,215	7,270	55	0.8%
71.6%	7,096	7,242	147	2.1%
72.8%	7,056	7,215	159	2.2%
74.1%	6,964	7,009	46	0.7%
75.3%	6,918	6,998	80	1.2%
76.5%	6,911	6,911	0	0.0%
77.8%	6,865	6,865	0	0.0%
79.0%	6,849	6,837	-11	-0.2%
80.2%	6,799	6,791	-8	-0.1%
81.5%	6,791	6,509	-282	-4.2%
82.7%	6,790	6,410	-381	-5.6%
84.0%	6,234	6,207	-27	-0.4%
85.2%	6,189	6,320	131	2.1%
86.4%	6,168	6,238	70	1.1%
87.7%	5,913	5,946	34	0.6%
88.9%	5,906	5,932	26	0.4%
90.1%	5,854	5,785	-69	-1.2%
91.4%	5,845	5,781	-64	-1.1%
92.6%	5,711	5,707	-4	-0.1%
93.8%	5,654	5,639	-16	-0.3%
95.1%	5,473	5,636	163	3.0%
96.3%	5,430	5,516	86	1.6%
97.5%	5,168	5,597	429	8.3%
98.8%	3,898	4,514	616	15.8%
100.0%	3,621	3,322	-99	-2.9%

March				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,278	9,278	0	0.0%
1.2%	9,278	9,278	0	0.0%
2.5%	9,278	9,278	0	0.0%
3.7%	9,278	9,278	0	0.0%
4.9%	9,278	9,269	-9	-0.1%
6.2%	9,269	9,260	-9	-0.1%
7.4%	9,260	9,260	0	0.0%
8.6%	9,260	9,260	0	0.0%
9.9%	9,260	9,260	0	0.0%
11.1%	9,260	9,251	-9	-0.1%
12.3%	9,251	9,251	0	0.0%
13.6%	9,251	9,232	-18	-0.2%
14.8%	9,232	9,223	-9	-0.1%
16.0%	9,223	9,223	0	0.0%
17.3%	9,223	9,214	-9	-0.1%
18.5%	9,214	9,214	0	0.0%
19.8%	9,214	9,205	-9	-0.1%
21.0%	9,205	9,205	0	0.0%
22.2%	9,205	9,205	0	0.0%
23.5%	9,205	9,205	0	0.0%
24.7%	9,205	9,205	0	0.0%
25.9%	9,205	9,205	0	0.0%
27.2%	9,196	9,196	0	0.0%
28.4%	9,196	9,196	0	0.0%
29.6%	9,187	9,186	-1	-0.0%
30.9%	9,186	9,186	0	0.0%
32.1%	9,186	9,168	-18	-0.2%
33.3%	9,168	9,168	0	0.0%
34.6%	9,168	9,159	-9	-0.1%
35.8%	9,159	9,149	-9	-0.1%
37.0%	9,149	9,140	-9	-0.1%
38.3%	9,140	9,131	-9	-0.1%
39.5%	9,131	9,122	-9	-0.1%
40.7%	9,122	9,113	-9	-0.1%
42.0%	9,113	9,113	0	0.0%
43.2%	9,113	9,076	-37	-0.4%
44.4%	9,076	9,057	-18	-0.2%
45.7%	9,057	9,030	-28	-0.3%
46.9%	9,030	9,030	0	0.0%
48.1%	9,030	9,029	-1	-0.0%
49.4%	9,024	9,024	0	0.0%
50.6%	9,017	9,020	3	0.0%
51.9%	9,011	9,011	0	0.0%
53.1%	9,008	9,008	0	0.0%
54.3%	8,956	8,956	0	0.0%
55.6%	8,947	8,947	0	0.0%
56.8%	8,928	8,928	0	0.0%
58.0%	8,919	8,919	0	0.0%
59.3%	8,891	8,891	0	0.0%
60.5%	8,882	8,882	0	0.0%
61.7%	8,882	8,882	0	0.0%
63.0%	8,855	8,855	0	0.0%
64.2%	8,836	8,836	0	0.0%
65.4%	8,827	8,827	0	0.0%
66.7%	8,827	8,790	-37	-0.4%
67.9%	8,790	8,780	-10	-0.1%
69.1%	8,680	8,689	9	0.1%
70.4%	8,624	8,630	55	0.6%
71.6%	8,597	8,624	28	0.3%
72.8%	8,587	8,597	10	0.1%
74.1%	8,512	8,512	0	0.0%
75.3%	8,424	8,446	22	0.3%
76.5%	8,366	8,404	38	0.5%
77.8%	8,366	8,366	0	0.0%
79.0%	8,237	8,343	106	1.3%
80.2%	8,183	8,273	90	1.1%
81.5%	8,158	8,218	60	0.7%
82.7%	8,059	8,174	116	1.4%
84.0%	8,039	8,037	-3	-0.0%
85.2%	7,775	8,028	253	3.3%
86.4%	7,338	7,887	549	7.5%
87.7%	7,333	7,775	441	6.0%
88.9%	7,300	7,378	79	1.1%
90.1%	7,153	7,353	200	2.8%
91.4%	7,113	7,028	-85	-1.2%
92.6%	6,745	6,863	119	1.8%
93.8%	6,148	6,194	46	0.7%
95.1%	6,093	6,120	28	0.5%
96.3%	6,002	6,055	54	0.9%
97.5%	5,884	6,021	137	2.3%
98.8%	5,671	5,921	250	4.4%
100.0%	3,808	3,322	-751	-19.7%

April				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,094	10,094	0	0.0%
1.2%	10,094	10,094	0	0.0%
2.5%	10,084	10,084	0	0.0%
3.7%	10,084	10,084	0	0.0%
4.9%	10,084	10,084	0	0.0%
6.2%	10,084	10,084	0	0.0%
7.4%	10,084	10,084	0	0.0%
8.6%	10,084	10,084	0	0.0%
9.9%	10,084	10,084	0	0.0%
11.1%	10,084	10,084	0	0.0%
12.3%	10,084	10,084	0	0.0%
13.6%	10,084	10,084	0	0.0%
14.8%	10,084	10,084	0	0.0%
16.0%	10,084	10,084	0	0.0%
17.3%	10,084	10,084	0	0.0%
18.5%	10,084	10,084	0	0.0%
19.8%	10,084	10,084	0	0.0%
21.0%	10,084	10,084	0	0.0%
22.2%	10,084	10,084	0	0.0%
23.5%	10,084	10,084	0	0.0%
24.7%	10,084	10,084	0	0.0%
25.9%	10,084	10,084	0	0.0%
27.2%	10,084	10,084	0	0.0%
28.4%	10,084	10,084	0	0.0%
29.6%	10,084	10,084	0	0.0%
30.9%	10,084	10,084	0	0.0%
32.1%	10,084	10,084	0	0.0%
33.3%	10,084	10,084	0	0.0%
34.6%	10,084	10,084	0	0.0%
35.8%	10,084	10,084	0	0.0%
37.0%	10,084	10,084	0	0.0%
38.3%	10,084	10,084	0	0.0%
39.5%	10,084	10,084	0	0.0%
40.7%	10,084	10,084	0	0.0%
42.0%	10,084	10,084	0	0.0%
43.2%	10,083	10,084	1	0.0%
44.4%	10,008	10,083	75	0.7%
45.7%	9,993	10,008	15	0.1%
46.9%	9,949	9,993	44	0.4%
48.1%	9,940	9,980	40	0.4%
49.4%	9,852	9,937	84	0.8%
50.6%	9,757	9,916	159	1.6%
51.9%	9,786	9,898	112	1.1%
53.1%	9,700	9,852	152	1.6%
54.3%	9,628	9,782	155	1.6%
55.6%	9,625	9,765	140	1.5%
56.8%	9,601	9,754	153	1.6%
58.0%	9,594	9,681	87	0.9%
59.3%	9,552	9,653	101	1.1%
60.5%	9,550	9,552	2	0.0%
61.7%	9,527	9,479	-47	-0.5%
63.0%	9,490	9,478	-12	-0.1%
64.2%	9,479	9,461	-18	-0.2%
65.4%	9,475	9,431	-44	-0.5%
66.7%	9,455	9,354	-101	-1.1%
67.9%	9,240	9,287	47	0.5%
69.1%	9,191	9,131	-59	-0.6%
70.4%	8,939	9,062	123	1.4%
71.6%	8,903	8,959	56	0.6%
72.8%	8,885	8,915	31	0.3%
74.1%	8,865	8,884	19	0.2%
75.3%	8,836	8,875	39	0.4%
76.5%	8,803	8,775	-28	-0.3%
77.8%	8,701	8,751	50	0.6%
79.0%	8,484	8,628	144	1.7%
80.2%	8,354	8,484	129	1.5%
81.5%	8,259	8,354	96	1.2%
82.7%	8,084	8,066	-18	-0.2%
84.0%	7,972	7,992	21	0.3%
85.2%	7,892	7,971	79	1.0%
86.4%	7,737	7,737	0	0.0%
87.7%	7,651	7,676	25	0.3%
88.9%	7,570	7,296	-274	-3.6%
90.1%	7,224	7,286	63	0.9%
91.4%	7,023	7,250	228	3.2%
92.6%	6,686	7,217	532	8.0%
93.8%	6,566	6,718	152	2.3%
95.1%	6,562	6,659	96	1.5%
96.3%	6,443	6,265	-178	-2.8%
97.5%	6,15			

Table SW-26-b  
Folsom Lake, End of Month Area  
Probability of Exceedance

June					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,636	10,636	-1	0.0%	
1.2%	10,605	10,605	0	0.0%	
2.5%	10,559	10,559	0	0.0%	
3.7%	10,558	10,558	0	0.0%	
4.9%	10,547	10,551	4	0.0%	
6.2%	10,547	10,547	0	0.1%	
7.4%	10,532	10,532	0	0.0%	
8.6%	10,416	10,489	73	0.7%	
9.9%	10,289	10,408	120	1.2%	
11.1%	10,086	10,086	0	0.0%	
12.3%	10,062	10,062	0	0.0%	
13.6%	10,027	10,027	0	0.0%	
14.8%	9,925	9,917	-8	-0.1%	
16.0%	9,910	9,901	-9	-0.1%	
17.3%	9,791	9,839	48	0.5%	
18.5%	9,762	9,769	7	0.1%	
19.8%	9,753	9,753	0	0.1%	
21.0%	9,740	9,752	12	0.1%	
22.2%	9,679	9,568	-111	-1.1%	
23.5%	9,676	9,540	-137	-1.4%	
24.7%	9,662	9,476	-186	-1.9%	
25.9%	9,581	9,474	-107	-1.1%	
27.2%	9,561	9,469	-92	-1.0%	
28.4%	9,548	9,454	-94	-1.1%	
29.6%	9,548	9,409	-139	-1.4%	
30.9%	9,540	9,397	-143	-1.5%	
32.1%	9,540	9,341	-199	-2.1%	
33.3%	9,538	9,308	-230	-2.4%	
34.6%	9,526	9,289	-237	-2.5%	
35.8%	9,519	9,296	-224	-2.5%	
37.0%	9,445	9,274	-171	-1.8%	
38.3%	9,372	9,268	-104	-1.1%	
39.5%	9,313	9,260	-53	-0.6%	
40.7%	9,287	9,223	-64	-0.7%	
42.0%	9,242	9,123	-119	-1.3%	
43.2%	9,242	9,124	-118	-1.3%	
44.4%	9,211	9,075	-136	-1.5%	
45.7%	9,193	9,056	-137	-1.5%	
46.9%	9,182	9,038	-144	-1.6%	
48.1%	9,146	8,910	-236	-2.6%	
49.4%	9,122	8,911	-211	-2.5%	
50.6%	9,034	8,812	-222	-2.5%	
51.9%	8,997	8,713	-283	-3.1%	
53.1%	8,848	8,487	-361	-4.1%	
54.3%	8,774	8,685	-89	-1.0%	
55.6%	8,742	8,647	-95	-1.1%	
56.8%	8,662	8,603	-59	-0.7%	
58.0%	8,543	8,501	-42	-0.5%	
59.3%	8,458	8,468	10	0.1%	
60.5%	8,439	8,435	-4	0.0%	
61.7%	8,406	8,300	-107	-1.3%	
63.0%	8,378	8,247	-130	-1.6%	
64.2%	8,263	8,174	-89	-1.1%	
65.4%	8,247	7,994	-253	-3.1%	
66.7%	8,139	7,950	-190	-2.3%	
67.9%	8,014	7,943	-71	-0.9%	
69.1%	7,998	7,934	-64	-0.8%	
70.4%	7,924	7,921	-3	0.0%	
71.6%	7,820	7,890	70	0.9%	
72.8%	7,819	7,871	52	0.7%	
74.1%	7,661	7,770	109	1.4%	
75.3%	7,572	7,712	140	1.8%	
76.5%	7,522	7,597	75	1.0%	
77.8%	7,461	7,365	-96	-1.3%	
79.0%	7,441	7,272	-169	-2.3%	
80.2%	7,189	7,237	48	0.7%	
81.5%	7,072	7,149	77	1.1%	
82.7%	6,934	7,088	154	2.2%	
84.0%	6,899	7,072	173	2.5%	
85.2%	6,849	6,909	60	0.9%	
86.4%	6,766	6,897	130	1.9%	
87.7%	6,684	6,888	204	3.1%	
88.9%	6,594	6,738	144	2.2%	
90.1%	6,568	6,654	86	1.3%	
91.4%	6,510	6,471	-39	-0.6%	
92.6%	6,479	6,462	-17	-0.3%	
93.8%	6,348	6,197	-152	-2.4%	
95.1%	6,293	6,844	551	8.8%	
96.3%	5,929	5,904	-25	-0.4%	
97.5%	5,777	5,959	182	3.1%	
98.8%	5,692	5,374	-317	-5.6%	
100.0%	2,091	2,091	0	0.0%	

July					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,030	9,868	-162	-1.6%	
1.2%	10,025	9,795	-229	-2.3%	
2.5%	9,950	9,776	-173	-1.7%	
3.7%	9,931	9,744	-187	-1.9%	
4.9%	9,706	9,710	4	0.0%	
6.2%	9,682	9,692	10	0.1%	
7.4%	9,462	9,434	-28	-0.3%	
8.6%	9,386	9,191	-195	-2.1%	
9.9%	9,059	9,140	81	0.9%	
11.1%	9,012	8,950	-62	-0.7%	
12.3%	8,999	8,764	-235	-2.6%	
13.6%	8,952	8,704	-248	-2.8%	
14.8%	8,759	8,658	-101	-1.1%	
16.0%	8,615	8,615	0	0.0%	
17.3%	8,589	8,590	1	0.0%	
18.5%	8,571	8,062	-509	-5.9%	
19.8%	8,561	8,554	-8	-0.1%	
21.0%	8,382	8,459	77	0.9%	
22.2%	8,062	8,187	125	1.6%	
23.5%	8,052	8,386	334	4.1%	
24.7%	8,041	8,305	264	3.3%	
25.9%	8,040	8,198	158	2.0%	
27.2%	8,022	8,089	67	0.8%	
28.4%	7,975	8,037	62	0.8%	
29.6%	7,960	8,005	45	0.6%	
30.9%	7,862	7,985	122	1.6%	
32.1%	7,804	7,983	179	2.3%	
33.3%	7,694	7,977	283	3.7%	
34.6%	7,679	7,945	266	3.5%	
35.8%	7,646	7,930	284	3.7%	
37.0%	7,589	7,906	317	4.2%	
38.3%	7,559	7,876	317	4.2%	
39.5%	7,552	7,806	254	3.4%	
40.7%	7,509	7,799	290	3.9%	
42.0%	7,478	7,732	254	3.4%	
43.2%	7,461	7,781	320	4.3%	
44.4%	7,423	7,722	299	4.0%	
45.7%	7,421	7,653	232	3.1%	
46.9%	7,367	7,623	256	3.5%	
48.1%	7,337	7,597	261	3.6%	
49.4%	7,289	7,546	257	3.5%	
50.6%	7,265	7,533	268	3.7%	
51.9%	7,162	7,493	331	4.6%	
53.1%	7,135	7,487	352	4.9%	
54.3%	7,076	7,455	378	5.3%	
55.6%	6,991	7,385	394	5.6%	
56.8%	6,972	7,330	358	5.1%	
58.0%	6,959	7,319	360	5.2%	
59.3%	6,938	7,261	323	4.7%	
60.5%	6,846	7,251	405	5.9%	
61.7%	6,829	7,179	350	5.1%	
63.0%	6,679	7,163	483	7.2%	
64.2%	6,673	7,080	407	6.1%	
65.4%	6,671	7,028	357	5.3%	
66.7%	6,544	7,025	481	7.3%	
67.9%	6,544	6,985	441	6.7%	
69.1%	6,532	6,935	403	6.2%	
70.4%	6,429	6,863	434	6.7%	
71.6%	6,395	6,794	399	6.2%	
72.8%	6,327	6,786	459	7.3%	
74.1%	6,236	6,747	511	8.2%	
75.3%	6,164	6,735	571	9.3%	
76.5%	6,094	6,726	632	10.4%	
77.8%	6,066	6,370	304	5.0%	
79.0%	6,025	6,345	320	5.3%	
80.2%	6,015	6,343	328	5.4%	
81.5%	5,967	6,269	302	5.1%	
82.7%	5,916	6,212	296	5.0%	
84.0%	5,908	6,172	264	4.5%	
85.2%	5,802	6,124	322	5.6%	
86.4%	5,692	6,080	389	6.8%	
87.7%	5,682	6,047	365	6.4%	
88.9%	5,451	6,041	590	10.8%	
90.1%	5,242	5,888	647	12.3%	
91.4%	5,100	5,872	772	15.1%	
92.6%	4,878	5,803	925	19.0%	
93.8%	4,608	5,625	1,017	22.1%	
95.1%	4,590	5,611	1,021	22.2%	
96.3%	3,890	5,471	1,580	40.6%	
97.5%	3,659	5,066	1,407	38.5%	
98.8%	2,320	3,574	1,254	54.1%	
100.0%	2,091	2,091	0	0.0%	

August					
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	9,682	9,338	-344	-3.6%	
1.2%	9,653	9,305	-348	-3.6%	
2.5%	9,591	9,276	-315	-3.3%	
3.7%	9,568	9,213	-355	-3.7%	
4.9%	9,376	9,183	-193	-2.1%	
6.2%	9,242	9,174	-68	-0.7%	
7.4%	8,733	8,795	62	0.7%	
8.6%	8,534	8,477	-57	-0.7%	
9.9%	8,449	8,444	-5	-0.1%	
11.1%	8,419	8,303	-116	-1.4%	
12.3%	8,346	8,233	-113	-1.4%	
13.6%	8,336	8,211	-125	-1.5%	
14.8%	8,133	8,193	60	0.7%	
16.0%	8,122	8,133	11	0.1%	
17.3%	8,054	8,090	36	0.5%	
18.5%	8,040	8,062	22	0.3%	
19.8%	7,974	8,055	81	1.0%	
21.0%	7,918	8,007	89	1.1%	
22.2%	7,902	7,989	87	1.1%	
23.5%	7,856	7,967	112	1.4%	
24.7%	7,732	7,906	174	2.3%	
25.9%	7,682	7,706	24	0.3%	
27.2%	7,679	7,705	26	0.3%	
28.4%	7,679	7,660	-19	-0.2%	
29.6%	7,581	7,623	42	0.5%	
30.9%	7,561	7,623	62	0.8%	
32.1%	7,534	7,594	60	0.8%	
33.3%	7,532	7,577	45	0.6%	
34.6%	7,469	7,568	100	1.3%	
35.8%	7,452	7,565	113	1.5%	
37.0%	7,399	7,521	123	1.7%	
38.3%	7,386	7,505	119	1.6%	
39.5%	7,330	7,463	133	1.8%	
40.7%	7,274	7,404	130	1.8%	
42.0%	7,268	7,398	130	1.8%	
43.2%	7,217	7,328	112	1.6%	
44.4%	7,189	7,322	133	1.9%	
45.7%	7,102	7,302	200	2.8%	
46.9%	7,062	7,288	226	3.2%	
48.1%	7,060	7,278	217	3.1%	
49.4%	7,012	7,276	264	3.8%	
50.6%	6,961	7,220	259	3.7%	
51.9%	6,931	7,204	272	3.9%	
53.1%	6,902	7,202	300	4.4%	
54.3%	6,819	7,160	341	5.0%	
55.6%	6,808	7,019	212	3.1%	
56.8%	6,774	7,014	240	3.5%	
58.0%	6,731	7,006	275	4.1%	
59.3%	6,731	6,995	264	3.9%	
60.5%	6,624	6,991	368	5.6%	
61.7%	6,611	6,979	368	5.6%	
63.0%	6,581	6,961	381	5.8%	
64.2%	6,522	6,912	389	6.0%	
65.4%	6,516	6,903	387	5.9%	
66.7%	6,464	6,900	436	6.8%	
67.9%	6,454	6,734	279	4.3%	
69.1%	6,333	6,729	396	6.3%	

**Figure SW-27-b**  
**American River below Nimbus Reservoir, Monthly Flow**  
**Probability of Exceedance**

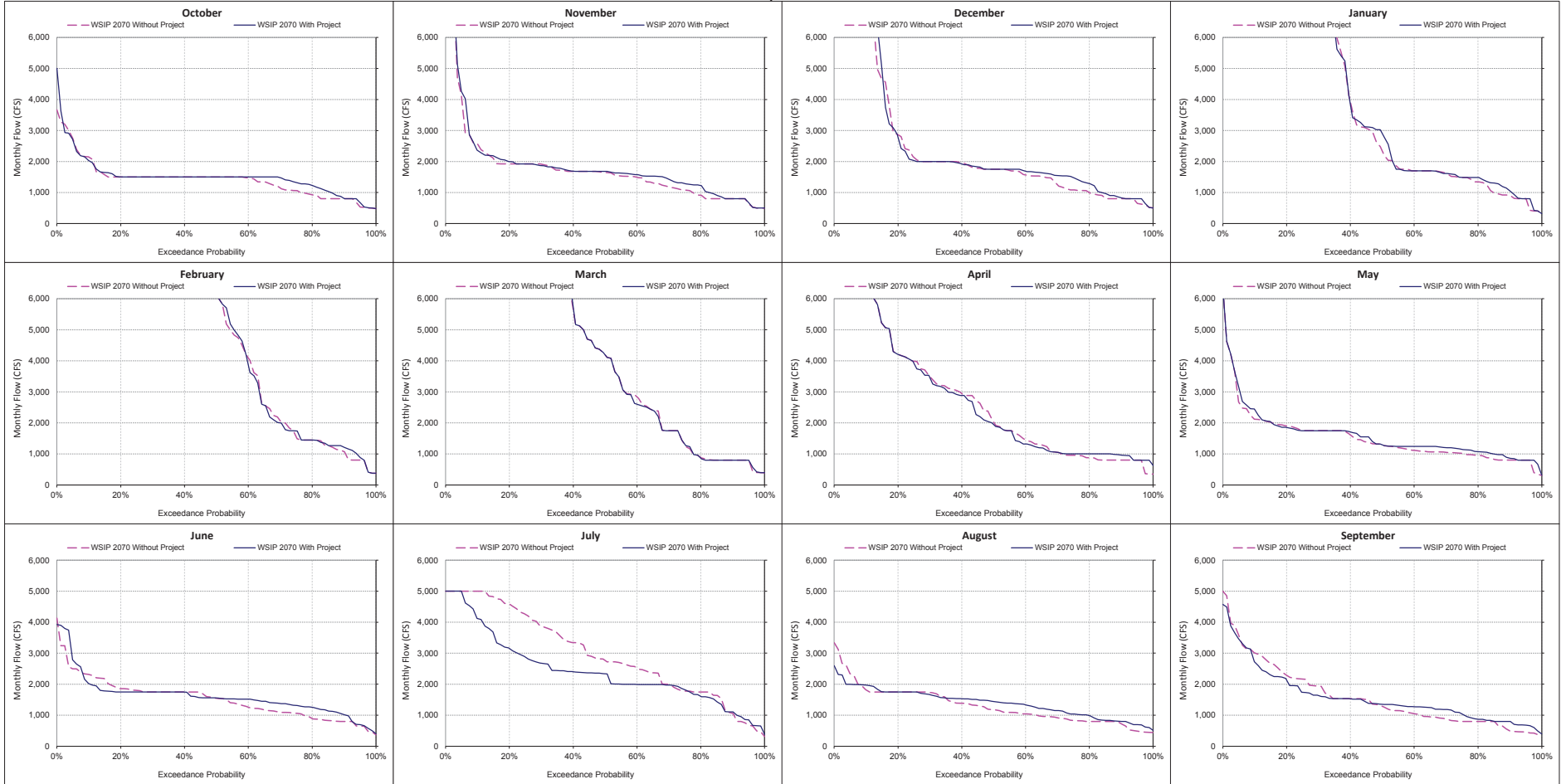


Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	October			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,666	5,000	1,334	36.4%
1.2%	3,281	3,625	343	10.5%
2.5%	3,202	2,934	-268	-8.4%
3.7%	3,004	2,912	-92	-3.1%
4.9%	2,755	2,717	-37	-1.4%
6.2%	2,389	2,328	-61	-2.5%
7.4%	2,199	2,187	-12	-0.5%
8.6%	2,160	2,152	-8	-0.4%
9.9%	2,150	2,036	-115	-5.3%
11.1%	2,069	1,982	-87	-4.2%
12.3%	1,666	1,757	91	5.4%
13.6%	1,665	1,662	-3	-0.2%
14.8%	1,581	1,649	68	4.3%
16.0%	1,500	1,641	141	9.4%
17.3%	1,500	1,604	104	6.9%
18.5%	1,500	1,521	21	1.4%
19.8%	1,500	1,500	0	0.0%
21.0%	1,500	1,500	0	0.0%
22.2%	1,500	1,500	0	0.0%
23.5%	1,500	1,500	0	0.0%
24.7%	1,500	1,500	0	0.0%
25.9%	1,500	1,500	0	0.0%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,478	1,500	22	1.5%
60.5%	1,470	1,500	30	2.0%
61.7%	1,440	1,500	60	4.1%
63.0%	1,346	1,500	154	11.5%
64.2%	1,344	1,500	156	11.6%
65.4%	1,337	1,500	163	12.2%
66.7%	1,286	1,500	214	16.6%
67.9%	1,236	1,500	264	21.4%
69.1%	1,208	1,500	292	24.2%
70.4%	1,121	1,465	344	30.7%
71.6%	1,084	1,407	323	29.8%
72.8%	1,081	1,394	313	29.0%
74.1%	1,065	1,347	281	26.4%
75.3%	1,060	1,312	252	23.8%
76.5%	989	1,282	293	29.6%
77.8%	981	1,280	299	30.5%
79.0%	952	1,264	312	32.8%
80.2%	907	1,222	301	32.8%
81.5%	907	1,166	259	28.5%
82.7%	800	1,127	327	40.9%
84.0%	800	1,070	278	34.8%
85.2%	800	1,032	232	29.0%
86.4%	800	979	179	22.4%
87.7%	800	907	107	13.3%
88.9%	800	875	75	9.3%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	680	800	120	17.6%
95.1%	532	676	144	27.1%
96.3%	523	532	10	1.8%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%	479	482	3	0.6%

Percent Exceedance Probability	November			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,815	15,159	344	2.3%
1.2%	12,446	12,107	-339	-2.7%
2.5%	7,635	7,576	-59	-0.8%
3.7%	4,702	5,136	434	9.2%
4.9%	2,410	4,259	1,119	29.2%
6.2%	2,917	4,021	1,104	37.9%
7.4%	2,875	2,868	-7	-0.2%
8.6%	2,606	2,641	35	1.3%
9.9%	2,589	2,371	-217	-8.4%
11.1%	2,381	2,283	-99	-4.1%
12.3%	2,295	2,203	-91	-4.0%
13.6%	2,202	2,200	-2	-0.1%
14.8%	2,120	2,184	64	3.0%
16.0%	1,931	2,126	195	10.1%
17.3%	1,925	2,067	142	7.4%
18.5%	1,925	2,047	122	6.4%
19.8%	1,925	2,000	75	3.9%
21.0%	1,925	1,992	67	3.5%
22.2%	1,925	1,925	0	0.0%
23.5%	1,925	1,925	0	0.0%
24.7%	1,925	1,925	0	0.0%
25.9%	1,925	1,925	0	0.0%
27.2%	1,925	1,925	0	0.0%
28.4%	1,925	1,896	-29	-1.5%
29.6%	1,925	1,896	-29	-1.5%
30.9%	1,894	1,859	-35	-1.9%
32.1%	1,869	1,825	-45	-2.4%
33.3%	1,806	1,824	18	1.0%
34.6%	1,724	1,791	67	3.9%
35.8%	1,719	1,785	66	3.9%
37.0%	1,713	1,750	38	2.1%
38.3%	1,683	1,720	36	2.2%
39.5%	1,683	1,689	6	0.3%
40.7%	1,683	1,683	0	0.0%
42.0%	1,683	1,683	0	0.0%
43.2%	1,683	1,683	0	0.0%
44.4%	1,683	1,683	0	0.0%
45.7%	1,683	1,683	0	0.0%
46.9%	1,683	1,683	0	0.0%
48.1%	1,671	1,683	13	0.8%
49.4%	1,644	1,683	39	2.4%
50.6%	1,643	1,683	40	2.5%
51.9%	1,630	1,655	25	1.6%
53.1%	1,560	1,635	75	4.8%
54.3%	1,541	1,628	88	5.7%
55.6%	1,527	1,626	99	6.5%
56.8%	1,524	1,615	91	6.0%
58.0%	1,523	1,596	72	4.8%
59.3%	1,510	1,584	74	4.9%
60.5%	1,478	1,572	94	6.4%
61.7%	1,470	1,538	68	4.6%
63.0%	1,344	1,531	187	13.9%
64.2%	1,337	1,528	191	14.3%
65.4%	1,296	1,527	231	17.8%
66.7%	1,291	1,520	229	17.7%
67.9%	1,236	1,513	277	22.4%
69.1%	1,208	1,465	257	21.3%
70.4%	1,170	1,407	237	20.2%
71.6%	1,149	1,347	198	17.2%
72.8%	1,121	1,313	191	17.1%
74.1%	1,084	1,312	228	21.0%
75.3%	1,078	1,282	204	18.9%
76.5%	1,060	1,264	204	19.3%
77.8%	981	1,248	267	27.2%
79.0%	920	1,247	327	35.5%
80.2%	907	1,222	314	34.6%
81.5%	800	1,032	232	29.0%
82.7%	800	995	195	24.4%
84.0%	800	965	165	20.7%
85.2%	800	907	107	13.3%
86.4%	800	865	65	8.1%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	649	668	39	6.2%
96.3%	530	514	-16	-3.0%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%	500	500	0	0.0%

Percent Exceedance Probability	December			
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,088	24,088	0	0.0%
1.2%	21,609	21,610	1	0.0%
2.5%	21,050	21,476	416	2.0%
3.7%	20,341	20,332	-9	0.0%
4.9%	20,144	20,174	30	0.1%
6.2%	19,342	19,338	-4	0.0%
7.4%	18,459	18,459	0	0.0%
8.6%	15,286	15,286	0	0.0%
9.9%	14,596	13,921	-675	-4.6%
11.1%	10,467	9,610	-857	-8.2%
12.3%	6,471	6,931	460	7.1%
13.6%	4,968	6,310	1,342	27.0%
14.8%	4,677	5,116	440	9.4%
16.0%	4,563	3,748	-815	-17.9%
17.3%	3,776	3,211	-564	-14.9%
18.5%	2,930	3,090	160	5.5%
19.8%	2,879	2,879	0	0.0%
21.0%	2,800	2,423	-378	-13.5%
22.2%	2,416	2,337	-79	-3.3%
23.5%	2,372	2,080	-292	-12.3%
24.7%	2,160	2,044	-116	-5.4%
25.9%	2,052	2,000	-52	-2.5%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	1,991	-9	-0.5%
38.3%	2,000	1,968	-32	-1.6%
39.5%	1,968	1,942	-26	-1.3%
40.7%	1,942	1,896	-47	-2.4%
42.0%	1,877	1,894	17	0.9%
43.2%	1,812	1,812	0	0.0%
44.4%	1,787	1,840	53	3.0%
45.7%	1,781	1,819	38	2.1%
46.9%	1,750	1,756	6	0.3%
48.1%	1,750	1,750	0	0.0%
49.4%	1,750	1,750	0	0.0%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,750	1,750	0	0.0%
54.3%	1,733	1,750	17	1.0%
55.6%	1,696	1,750	54	3.2%
56.8%	1,695	1,750	55	3.2%
58.0%	1,677	1,750	73	4.4%
59.3%	1,582	1,712	130	8.2%
60.5%	1,556	1,675	119	7.7%
61.7%	1,537	1,671	134	8.7%
63.0%	1,532	1,657	124	8.1%
64.2%	1,532	1,648	116	7.6%
65.4%	1,513	1,630	117	7.7%
66.7%	1,478	1,614	136	9.2%
67.9%	1,470	1,599	129	8.7%
69.1%	1,344	1,552	208	15.5%
70.4%	1,208	1,542	334	27.7%
71.6%	1,170	1,539	369	31.5%
72.8%	1,121	1,536	415	37.0%
74.1%	1,084	1,517	433	40.0%
75.3%	1,084	1,465	381	35.2%
76.5%	1,065	1,407	341	32.0%
77.8%	1,064	1,347	282	26.5%
79.0%	1,060	1,312	252	23.8%
80.2%	981	1,282	301	30.7%
81.5%	952	1,222	269	28.3%
82.7%	920	1,032	111	12.1%
84.0%	907	995	88	9.7%
85.2%	800	965	165	20.7%
86.4%	800	907	107	13.3%
87.7%	800	906	106	13.3%
88.9%	800	865	65	8.1%
90.1%	800	826	26	3.2%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	649	800	151	23.2%
96.3%	626	800	174	27.8%
97.				



Table SW-27-b  
American River below Nimbus Reservoir, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	42,284	42,285	1	0.0%
1.2%	32,838	32,832	-6	0.0%
2.5%	32,535	32,535	0	0.0%
3.7%	23,272	23,272	0	0.0%
4.9%	22,795	22,796	0	0.0%
6.2%	22,260	22,256	-4	0.0%
7.4%	21,383	21,383	0	0.0%
8.6%	21,103	21,103	0	0.0%
9.9%	20,630	20,630	0	0.0%
11.1%	20,457	20,457	0	0.0%
12.3%	20,425	20,425	0	0.0%
13.6%	20,076	19,921	-155	-0.8%
14.8%	19,921	19,809	-112	-0.6%
16.0%	18,989	18,989	0	0.0%
17.3%	18,019	18,019	0	0.0%
18.5%	17,834	17,880	46	0.3%
19.8%	16,612	16,612	0	0.0%
21.0%	16,454	16,454	0	0.0%
22.2%	14,866	14,866	0	0.0%
23.5%	14,615	14,615	0	0.0%
24.7%	14,430	14,430	0	0.0%
25.9%	12,752	12,750	-2	0.0%
27.2%	12,559	12,559	-191	-1.5%
28.4%	12,559	12,456	-103	-0.8%
29.6%	11,929	11,929	0	0.0%
30.9%	10,728	10,728	0	0.0%
32.1%	10,233	10,233	-508	-5.0%
33.3%	9,660	9,661	0	0.0%
34.6%	9,126	9,245	119	1.3%
35.8%	8,661	8,663	2	0.0%
37.0%	7,937	8,403	466	5.9%
38.3%	7,924	7,925	1	0.0%
39.5%	7,903	7,676	-227	-2.9%
40.7%	7,677	7,654	-22	-0.3%
42.0%	7,642	7,642	1	0.0%
43.2%	7,347	7,347	-5	-0.1%
44.4%	6,901	6,901	0	0.0%
45.7%	6,802	6,802	0	0.0%
46.9%	6,674	6,673	0	0.0%
48.1%	6,411	6,412	1	0.0%
49.4%	6,361	6,361	0	0.0%
50.6%	6,022	6,022	0	0.0%
51.9%	5,833	5,833	0	0.0%
53.1%	5,188	5,711	522	10.1%
54.3%	5,000	5,188	188	3.8%
55.6%	4,830	5,000	170	3.5%
56.8%	4,746	4,930	185	1.8%
58.0%	4,500	4,641	141	3.1%
59.3%	4,205	4,205	0	0.0%
60.5%	4,015	3,619	-396	-9.9%
61.7%	3,619	3,518	-101	-2.8%
63.0%	3,518	3,290	-228	-6.5%
64.2%	2,808	2,605	-3	-0.1%
65.4%	2,550	2,551	1	0.0%
66.7%	2,458	2,188	-270	-11.0%
67.9%	2,241	2,096	-146	-6.5%
69.1%	2,189	2,010	-179	-8.2%
70.4%	2,010	1,995	-16	-0.8%
71.6%	1,995	1,792	-212	-10.7%
72.8%	1,835	1,750	-85	-4.6%
74.1%	1,750	1,750	0	0.0%
75.3%	1,488	1,736	248	16.7%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,438	-7	-0.5%
82.7%	1,422	1,370	-52	-3.7%
84.0%	1,287	1,340	54	4.2%
85.2%	1,284	1,284	0	0.0%
86.4%	1,212	1,264	53	4.4%
87.7%	1,143	1,264	122	10.6%
88.9%	1,124	1,264	141	12.5%
90.1%	1,068	1,208	140	13.1%
91.4%	819	1,155	345	42.6%
92.6%	800	1,112	312	39.0%
93.8%	800	1,016	216	27.0%
95.1%	800	883	83	10.3%
96.3%	800	800	0	0.0%
97.5%	411	411	0	0.0%
98.8%	377	377	0	0.0%
100.0%	375	375	0	0.0%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	25,652	25,652	0	0.0%
1.2%	24,740	24,740	0	0.0%
2.5%	21,515	21,510	-5	0.0%
3.7%	17,525	17,525	0	0.0%
4.9%	17,249	17,249	0	0.0%
6.2%	16,753	16,753	0	0.0%
7.4%	15,782	15,782	0	0.0%
8.6%	14,719	14,719	0	0.0%
9.9%	12,936	12,936	0	0.0%
11.1%	11,172	11,172	0	0.0%
12.3%	10,766	10,766	0	0.0%
13.6%	10,582	10,581	-1	0.0%
14.8%	10,491	10,488	-3	0.0%
16.0%	10,215	10,215	0	0.0%
17.3%	10,039	10,038	-1	0.0%
18.5%	9,847	9,847	0	0.0%
19.8%	9,011	9,013	2	0.0%
21.0%	8,646	8,646	0	0.0%
22.2%	8,519	8,519	0	0.0%
23.5%	8,473	8,473	0	0.0%
24.7%	8,461	8,461	0	0.0%
25.9%	8,415	8,415	0	0.0%
27.2%	8,073	7,974	-99	-1.2%
28.4%	7,979	7,970	-9	-0.1%
29.6%	7,749	7,755	6	0.1%
30.9%	6,691	6,690	-1	0.0%
32.1%	6,565	6,565	0	0.0%
33.3%	6,529	6,529	0	0.0%
34.6%	6,499	6,499	0	0.0%
35.8%	6,378	6,378	0	0.0%
37.0%	6,215	6,214	-2	0.0%
38.3%	6,188	6,188	0	0.0%
39.5%	5,968	6,127	159	2.7%
40.7%	5,166	5,166	0	0.0%
42.0%	5,130	5,130	0	0.0%
43.2%	5,000	5,000	0	0.0%
44.4%	4,695	4,695	0	0.0%
45.7%	4,657	4,657	0	0.0%
46.9%	4,417	4,417	0	0.0%
48.1%	4,377	4,378	1	0.0%
49.4%	4,268	4,268	0	0.0%
50.6%	4,022	4,113	91	2.3%
51.9%	4,082	4,082	0	0.0%
53.1%	3,646	3,646	0	0.0%
54.3%	3,480	3,480	0	0.0%
55.6%	3,064	3,064	0	0.0%
56.8%	2,942	2,922	-20	-0.7%
58.0%	2,923	2,906	-17	-0.6%
59.3%	2,906	2,628	-278	-9.6%
60.5%	2,790	2,587	-204	-7.3%
61.7%	2,584	2,539	-45	-1.7%
63.0%	2,539	2,508	-31	-1.2%
64.2%	2,442	2,442	0	0.0%
65.4%	2,390	2,383	-7	-0.3%
66.7%	2,383	2,209	-175	-7.3%
67.9%	1,760	1,761	1	0.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,445	1,446	2	0.1%
75.3%	1,232	1,264	32	2.6%
76.5%	1,169	1,232	63	5.4%
77.8%	977	977	0	0.0%
79.0%	957	957	0	0.0%
80.2%	870	838	-33	-3.8%
81.5%	838	800	-38	-4.5%
82.7%	812	800	-12	-1.5%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	423	562	139	33.0%
97.5%	401	423	21	5.4%
98.8%	396	396	0	0.0%
100.0%	391	392	1	0.2%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	21,023	21,018	-5	0.0%
1.2%	19,755	19,755	0	0.0%
2.5%	12,166	12,166	0	0.0%
3.7%	11,269	11,265	-4	0.0%
4.9%	11,157	11,157	0	0.0%
6.2%	7,925	7,925	0	0.0%
7.4%	7,079	7,079	0	0.0%
8.6%	6,549	6,549	0	0.0%
9.9%	6,392	6,392	0	0.0%
11.1%	6,390	6,390	0	0.0%
12.3%	6,021	6,021	0	0.0%
13.6%	5,824	5,816	-8	-0.1%
14.8%	5,227	5,227	0	0.0%
16.0%	5,068	5,068	0	0.0%
17.3%	5,046	5,046	-1	0.0%
18.5%	4,305	4,296	-10	-0.2%
19.8%	4,219	4,219	0	0.0%
21.0%	4,172	4,172	0	0.0%
22.2%	4,127	4,126	-1	0.0%
23.5%	4,049	4,040	-11	0.3%
24.7%	3,988	3,988	0	0.0%
25.9%	3,978	3,743	-236	-5.9%
27.2%	3,743	3,743	-173	-1.0%
28.4%	3,707	3,534	-173	-4.7%
29.6%	3,534	3,534	0	0.0%
30.9%	3,394	3,255	-139	-4.1%
32.1%	3,255	3,198	-57	-1.7%
33.3%	3,209	3,175	-34	-1.1%
34.6%	3,198	3,113	-85	-2.7%
35.8%	3,113	2,989	-124	-4.0%
37.0%	3,091	2,977	-114	-3.7%
38.3%	3,047	2,920	-127	-4.2%
39.5%	2,990	2,885	-105	-3.5%
40.7%	2,885	2,883	-2	-0.1%
42.0%	2,883	2,728	-155	-5.4%
43.2%	2,862	2,862	0	0.0%
44.4%	2,727	2,270	-456	-16.7%
45.7%	2,632	2,200	-433	-16.4%
46.9%	2,386	2,099	-287	-12.0%
48.1%	2,385	2,049	-336	-14.1%
49.4%	2,128	2,007	-121	-5.7%
50.6%	1,919	1,887	-32	-1.7%
51.9%	1,882	1,856	-26	-1.4%
53.1%	1,765	1,768	3	0.2%
54.3%	1,750	1,750	0	0.0%
55.6%	1,750	1,750	0	0.0%
56.8%	1,673	1,426	-247	-14.8%
58.0%	1,566	1,382	-205	-12.8%
59.3%	1,493	1,318	-175	-11.7%
60.5%	1,426	1,317	-109	-7.6%
61.7%	1,392	1,281	-111	-8.0%
63.0%	1,318	1,233	-85	-6.5%
64.2%	1,317	1,201	-116	-8.8%
65.4%	1,279	1,186	-93	-7.3%
66.7%	1,234	1,110	-125	-10.1%
67.9%	1,067	1,067	0	0.0%
69.1%	1,064	1,064	0	0.0%
70.4%	1,044	1,044	0	0.0%
71.6%	977	1,008	32	3.2%
72.8%	961	1,000	39	4.1%
74.1%	957	1,000	43	4.4%
75.3%	957	1,000	43	4.5%
76.5%	951	1,000	49	5.1%
77.8%	939	1,000	61	6.5%
79.0%	880	1,000	120	13.6%
80.2%	874	1,000	126	14.4%
81.5%	868	1,000	132	15.2%
82.7%	808	1,000	192	23.7%
84.0%	800	1,000	200	25.0%
85.2%	800	1,000	200	25.0%
86.4%	800	1,000	200	25.0%
87.7%	800	985	185	23.2%
88.9%	800	977	177	22.1%
90.1%	800	957	157	19.6%
91.4%	800	949	149	18.5%
92.6%	800	946	146	18.2%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	360	800	440	122.1%
98.8%	347	800	477	126.7

Table SW-27-b  
American River below Nimbus Reservoir, Monthly Flow  
Probability of Exceedance

June				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,133	3,927	-206	-5.0%
1.2%	3,243	3,896	653	20.1%
2.5%	3,241	3,704	463	14.3%
3.7%	2,561	3,744	1,183	46.2%
4.9%	2,496	2,783	286	11.5%
6.2%	2,492	2,652	160	6.4%
7.4%	2,390	2,566	176	7.3%
8.6%	2,334	2,157	-176	-7.6%
9.9%	2,319	2,024	-295	-12.7%
11.1%	2,284	1,975	-309	-13.5%
12.3%	2,208	1,951	-258	-11.7%
13.6%	2,195	1,805	-390	-17.8%
14.8%	2,185	1,784	-400	-18.3%
16.0%	2,019	1,777	-241	-11.9%
17.3%	1,957	1,769	-188	-9.6%
18.5%	1,901	1,750	-151	-7.9%
19.8%	1,856	1,750	-106	-5.7%
21.0%	1,856	1,750	-106	-5.7%
22.2%	1,846	1,750	-96	-5.2%
23.5%	1,809	1,750	-59	-3.3%
24.7%	1,805	1,750	-55	-3.1%
25.9%	1,790	1,750	-40	-2.2%
27.2%	1,750	1,750	0	0.0%
28.4%	1,750	1,750	0	0.0%
29.6%	1,750	1,750	0	0.0%
30.9%	1,750	1,750	0	0.0%
32.1%	1,750	1,750	0	0.0%
33.3%	1,750	1,750	0	0.0%
34.6%	1,750	1,750	0	0.0%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,750	0	0.0%
40.7%	1,750	1,750	0	0.0%
42.0%	1,750	1,615	-135	-7.7%
43.2%	1,750	1,500	-250	-14.3%
44.4%	1,750	1,568	-182	-10.4%
45.7%	1,692	1,564	-129	-7.6%
46.9%	1,600	1,562	-38	-2.4%
48.1%	1,588	1,561	-27	-1.7%
49.4%	1,553	1,559	6	0.4%
50.6%	1,530	1,536	6	0.4%
51.9%	1,537	1,536	-1	-0.1%
53.1%	1,511	1,532	21	1.4%
54.3%	1,403	1,528	124	8.9%
55.6%	1,392	1,526	134	9.7%
56.8%	1,354	1,522	169	12.5%
58.0%	1,318	1,522	204	15.4%
59.3%	1,287	1,520	233	18.1%
60.5%	1,240	1,520	280	22.6%
61.7%	1,222	1,491	269	22.0%
63.0%	1,217	1,472	254	20.9%
64.2%	1,194	1,452	257	21.5%
65.4%	1,158	1,448	290	25.0%
66.7%	1,148	1,404	256	22.3%
67.9%	1,136	1,402	266	23.4%
69.1%	1,110	1,392	282	25.4%
70.4%	1,092	1,376	285	26.1%
71.6%	1,090	1,373	283	25.9%
72.8%	1,089	1,347	257	23.6%
74.1%	1,067	1,319	252	23.6%
75.3%	1,063	1,317	254	23.9%
76.5%	1,044	1,294	250	22.9%
77.8%	977	1,270	293	30.0%
79.0%	951	1,268	317	33.3%
80.2%	880	1,257	377	42.8%
81.5%	874	1,221	347	39.7%
82.7%	868	1,186	317	36.6%
84.0%	839	1,173	334	39.6%
85.2%	828	1,153	308	37.2%
86.4%	821	1,127	306	37.2%
87.7%	806	1,097	291	36.1%
88.9%	800	1,056	256	32.0%
90.1%	800	1,010	210	26.2%
91.4%	800	977	177	22.1%
92.6%	800	951	151	18.9%
93.8%	653	703	50	7.7%
95.1%	652	694	41	6.4%
96.3%	646	664	18	2.8%
97.5%	481	581	100	20.8%
98.8%	496	586	90	18.1%
100.0%	368	408	40	10.9%

July				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	5,000	0	0.0%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	4,620	-380	-7.6%
7.4%	5,000	4,533	-467	-9.3%
8.6%	5,000	4,427	-573	-11.5%
9.9%	5,000	4,121	-879	-17.6%
11.1%	5,000	4,085	-915	-18.3%
12.3%	5,000	3,874	-1,126	-22.5%
13.6%	4,844	3,798	-1,046	-21.6%
14.8%	4,626	3,687	-1,139	-23.6%
16.0%	4,754	3,332	-1,422	-29.9%
17.3%	4,734	3,278	-1,457	-30.8%
18.5%	4,606	3,197	-1,409	-30.6%
19.8%	4,604	3,167	-1,437	-31.2%
21.0%	4,518	3,079	-1,438	-31.8%
22.2%	4,436	3,020	-1,416	-31.9%
23.5%	4,326	2,955	-1,371	-31.7%
24.7%	4,272	2,898	-1,375	-32.2%
25.9%	4,198	2,812	-1,386	-33.0%
27.2%	4,064	2,758	-1,306	-32.1%
28.4%	4,030	2,715	-1,315	-32.6%
29.6%	3,879	2,680	-1,199	-30.9%
30.9%	3,842	2,670	-1,172	-30.5%
32.1%	3,798	2,645	-1,152	-30.3%
33.3%	3,745	2,445	-1,301	-34.7%
34.6%	3,692	2,443	-1,249	-33.8%
35.8%	3,664	2,432	-1,132	-31.8%
37.0%	3,437	2,432	-1,005	-29.2%
38.3%	3,381	2,408	-973	-28.8%
39.5%	3,346	2,407	-939	-28.1%
40.7%	3,339	2,395	-945	-28.3%
42.0%	3,328	2,380	-948	-28.5%
43.2%	3,260	2,289	-971	-29.8%
44.4%	2,930	2,366	-564	-19.2%
45.7%	2,901	2,364	-537	-18.5%
46.9%	2,844	2,362	-482	-17.0%
48.1%	2,819	2,361	-458	-16.3%
49.4%	2,814	2,343	-471	-16.7%
50.6%	2,723	2,330	-393	-14.4%
51.9%	2,723	2,014	-709	-26.0%
53.1%	2,721	2,003	-717	-26.4%
54.3%	2,703	2,003	-701	-25.9%
55.6%	2,667	1,997	-670	-25.1%
56.8%	2,625	1,995	-630	-24.0%
58.0%	2,582	1,995	-587	-22.7%
59.3%	2,572	1,995	-577	-22.4%
60.5%	2,484	1,993	-491	-19.8%
61.7%	2,468	1,992	-476	-19.3%
63.0%	2,421	1,991	-430	-17.7%
64.2%	2,371	1,991	-379	-16.0%
65.4%	2,365	1,991	-374	-15.8%
66.7%	2,358	1,990	-368	-15.6%
67.9%	2,007	1,990	-17	-0.9%
69.1%	2,002	1,975	-27	-1.3%
70.4%	1,996	1,970	-26	-1.3%
71.6%	1,897	1,953	56	3.0%
72.8%	1,837	1,927	90	4.9%
74.1%	1,788	1,863	75	4.2%
75.3%	1,778	1,812	34	1.9%
76.5%	1,777	1,752	-25	-1.4%
77.8%	1,750	1,669	-81	-4.6%
79.0%	1,750	1,662	-88	-5.0%
80.2%	1,750	1,598	-152	-8.7%
81.5%	1,750	1,596	-154	-8.8%
82.7%	1,750	1,574	-176	-10.1%
84.0%	1,644	1,524	-120	-7.3%
85.2%	1,637	1,428	-209	-12.8%
86.4%	1,538	1,351	-188	-12.2%
87.7%	1,147	1,119	-28	-2.5%
88.9%	1,090	1,111	20	1.8%
90.1%	1,057	1,104	48	4.5%
91.4%	800	1,099	299	37.4%
92.6%	800	950	150	18.7%
93.8%	757	864	106	14.0%
95.1%	677	849	172	25.4%
96.3%	652	673	21	3.2%
97.5%	493	666	173	35.1%
98.8%	496	656	160	32.3%
100.0%	314	381	67	21.3%

August				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,339	2,598	-741	-22.2%
1.2%	3,125	2,318	-807	-25.8%
2.5%	2,872	2,302	-570	-19.9%
3.7%	2,621	2,001	-620	-23.7%
4.9%	2,340	1,998	-342	-14.6%
6.2%	2,282	1,990	-292	-12.8%
7.4%	2,009	1,987	-22	-1.1%
8.6%	1,952	1,980	28	1.5%
9.9%	1,823	1,969	147	8.0%
11.1%	1,750	1,952	202	11.5%
12.3%	1,750	1,931	181	10.3%
13.6%	1,750	1,833	83	4.7%
14.8%	1,750	1,757	7	0.4%
16.0%	1,750	1,750	0	0.0%
17.3%	1,750	1,750	0	0.0%
18.5%	1,750	1,750	0	0.0%
19.8%	1,750	1,750	0	0.0%
21.0%	1,750	1,750	0	0.0%
22.2%	1,750	1,750	0	0.0%
23.5%	1,750	1,750	0	0.0%
24.7%	1,750	1,750	0	0.0%
25.9%	1,750	1,750	0	0.0%
27.2%	1,750	1,703	-47	-2.7%
28.4%	1,750	1,693	-57	-3.2%
29.6%	1,739	1,671	-68	-3.9%
30.9%	1,721	1,634	-87	-5.0%
32.1%	1,691	1,610	-81	-4.8%
33.3%	1,600	1,570	-30	-1.9%
34.6%	1,595	1,559	-36	-2.3%
35.8%	1,471	1,547	76	5.2%
37.0%	1,434	1,548	114	7.9%
38.3%	1,392	1,539	147	10.5%
39.5%	1,386	1,535	149	10.8%
40.7%	1,384	1,530	146	10.6%
42.0%	1,370	1,524	153	11.2%
43.2%	1,350	1,508	158	11.7%
44.4%	1,318	1,507	189	14.3%
45.7%	1,295	1,482	187	14.5%
46.9%	1,275	1,481	206	16.1%
48.1%	1,194	1,478	284	23.8%
49.4%	1,178	1,446	268	22.8%
50.6%	1,170	1,432	262	22.4%
51.9%	1,148	1,420	272	23.7%
53.1%	1,098	1,396	297	27.1%
54.3%	1,092	1,392	300	27.5%
55.6%	1,090	1,390	299	27.4%
56.8%	1,089	1,371	281	25.8%
58.0%	1,063	1,368	305	28.7%
59.3%	1,044	1,353	309	29.6%
60.5%	1,044	1,320	276	26.5%
61.7%	1,033	1,294	262	25.3%
63.0%	1,019	1,261	242	23.8%
64.2%	977	1,223	246	25.2%
65.4%	961	1,215	255	26.5%
66.7%	957	1,194	237	24.8%
67.9%	951	1,177	226	23.7%
69.1%	939	1,152	213	22.3%
70.4%	911	1,151	240	26.3%
71.6%	899	1,132	233	25.9%
72.8%	880	1,075	194	22.1%
74.1%	838	1,042	204	24.4%
75.3%	828	1,038	210	25.4%
76.5%	821	1,020	199	24.2%
77.8%	819	1,015	195	23.8%
79.0%	800	1,010	210	26.3%
80.2%	800	977	177	22.1%
81.5%	800	909	109	13.6%
82.7%	800	858	58	7.2%
84.0%	800	845	45	5.7%
85.2%	800	838	38	4.7%
86.4%	800	832	32	4.0%
87.7%	800	821	21	2.6%
88.9%	792	809	17	2.2%
90.1%	719	800	81	11.3%
91.4%	652	800	148	22.7%
92.6%	525	749		

Figure SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

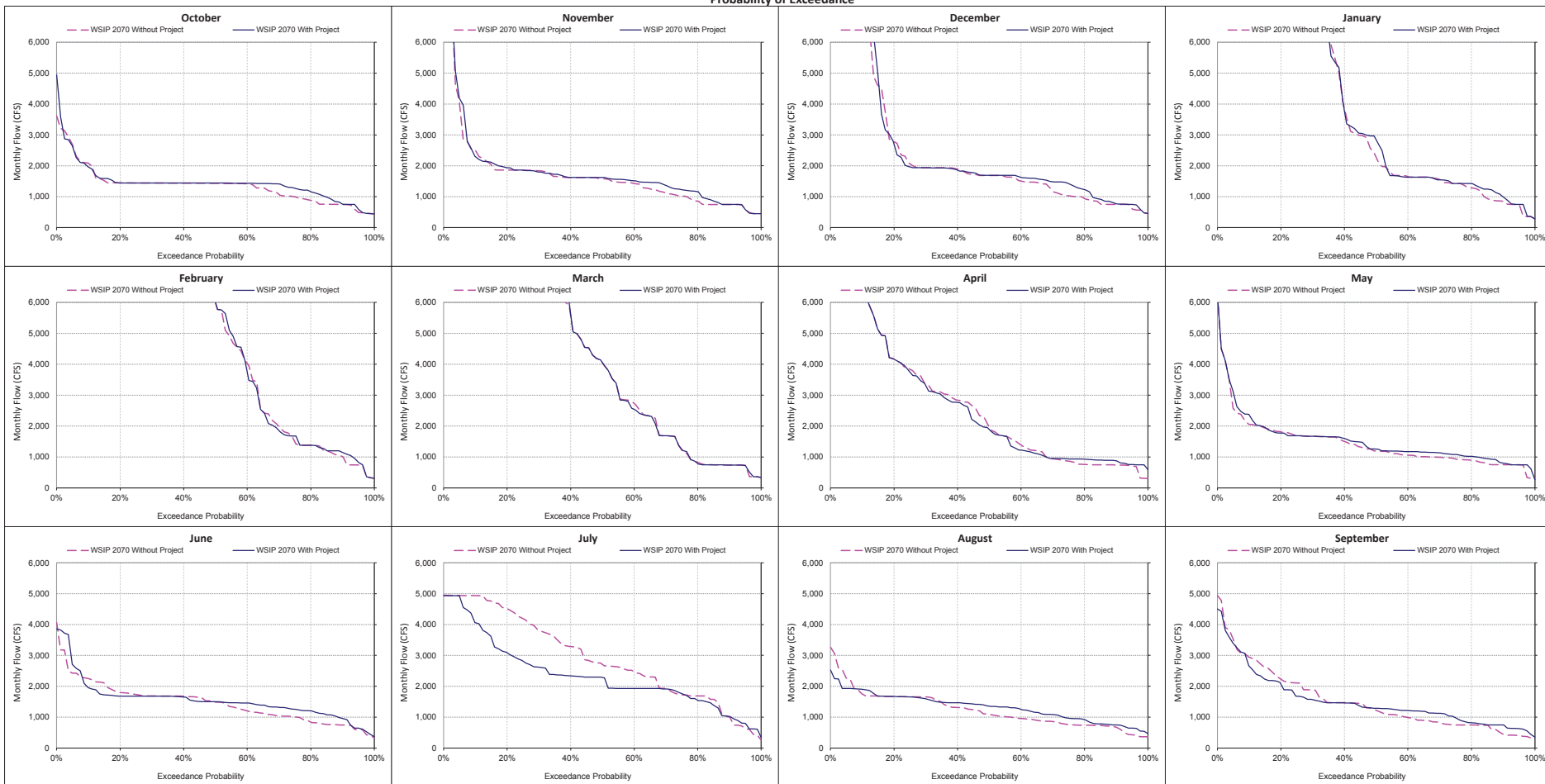


Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,616	4,940	1,324	36.6%
1.2%	3,213	3,575	362	11.3%
2.5%	3,141	2,973	-268	-8.5%
3.7%	2,937	2,848	-90	-3.1%
4.9%	2,694	2,648	-45	-1.7%
6.2%	2,314	2,265	-48	-2.1%
7.4%	2,145	2,112	-32	-1.5%
8.6%	2,103	2,065	-39	-1.9%
9.9%	2,090	1,968	-121	-5.8%
11.1%	1,993	1,897	-96	-4.8%
12.3%	1,593	1,679	85	5.4%
13.6%	1,584	1,600	16	1.0%
14.8%	1,528	1,588	60	3.9%
16.0%	1,448	1,584	136	9.4%
17.3%	1,448	1,537	89	6.1%
18.5%	1,448	1,461	13	0.9%
19.8%	1,448	1,446	-2	-0.1%
21.0%	1,448	1,443	-5	-0.3%
22.2%	1,446	1,443	-3	-0.2%
23.5%	1,445	1,442	-3	-0.2%
24.7%	1,444	1,442	-2	-0.1%
25.9%	1,443	1,442	-1	-0.1%
27.2%	1,443	1,442	-1	-0.1%
28.4%	1,443	1,442	-1	-0.1%
29.6%	1,442	1,442	0	0.0%
30.9%	1,442	1,441	-1	-0.1%
32.1%	1,442	1,441	-1	-0.1%
33.3%	1,441	1,441	1	0.1%
34.6%	1,439	1,441	2	0.1%
35.8%	1,439	1,441	2	0.1%
37.0%	1,439	1,441	2	0.1%
38.3%	1,439	1,441	2	0.1%
39.5%	1,439	1,441	2	0.1%
40.7%	1,439	1,441	2	0.1%
42.0%	1,439	1,441	2	0.1%
43.2%	1,438	1,441	3	0.2%
44.4%	1,435	1,441	5	0.4%
45.7%	1,435	1,440	5	0.4%
46.9%	1,435	1,440	5	0.3%
48.1%	1,433	1,439	6	0.4%
49.4%	1,433	1,439	6	0.4%
50.6%	1,432	1,439	7	0.5%
51.9%	1,429	1,439	10	0.7%
53.1%	1,427	1,439	12	0.8%
54.3%	1,426	1,439	12	0.9%
55.6%	1,426	1,438	12	0.8%
56.8%	1,426	1,438	12	0.8%
58.0%	1,425	1,438	13	0.9%
59.3%	1,418	1,437	19	1.3%
60.5%	1,418	1,437	19	1.4%
61.7%	1,382	1,431	49	3.6%
63.0%	1,284	1,430	146	11.3%
64.2%	1,281	1,429	147	11.5%
65.4%	1,279	1,425	146	11.4%
66.7%	1,196	1,423	227	19.0%
67.9%	1,169	1,420	251	21.5%
69.1%	1,141	1,418	277	24.3%
70.4%	1,042	1,404	362	34.7%
71.6%	1,026	1,350	324	31.6%
72.8%	1,025	1,306	281	27.4%
74.1%	1,011	1,294	282	27.9%
75.3%	989	1,259	270	27.3%
76.5%	937	1,228	291	31.1%
77.8%	932	1,213	283	30.3%
79.0%	901	1,211	310	34.5%
80.2%	875	1,155	280	32.0%
81.5%	856	1,117	261	30.5%
82.7%	756	1,078	322	42.7%
84.0%	755	1,027	272	36.0%
85.2%	755	980	225	29.8%
86.4%	753	925	172	22.8%
87.7%	751	847	95	12.7%
88.9%	748	823	75	10.0%
90.1%	748	751	2	0.3%
91.4%	745	750	5	0.7%
92.6%	730	748	18	2.5%
93.8%	589	748	159	27.0%
95.1%	487	589	102	21.0%
96.3%	478	487	9	1.9%
97.5%	461	460	-1	-0.2%
98.8%	456	451	-5	-1.1%
100.0%	439	439	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,753	15,096	344	2.3%
1.2%	12,384	12,041	-343	-2.8%
2.5%	7,573	7,514	-59	-0.8%
3.7%	4,639	5,074	434	9.4%
4.9%	4,077	4,191	114	2.8%
6.2%	2,849	3,958	1,109	38.9%
7.4%	2,797	2,795	-2	-0.1%
8.6%	2,543	2,577	34	1.3%
9.9%	2,525	2,309	-216	-8.6%
11.1%	2,305	2,207	-98	-4.2%
12.3%	2,232	2,142	-90	-4.0%
13.6%	2,142	2,137	-5	-0.2%
14.8%	2,057	2,122	64	3.1%
16.0%	1,872	2,063	191	10.2%
17.3%	1,862	2,003	141	7.6%
18.5%	1,862	1,977	115	6.2%
19.8%	1,862	1,937	75	4.0%
21.0%	1,862	1,929	67	3.6%
22.2%	1,862	1,862	0	0.0%
23.5%	1,862	1,862	0	0.0%
24.7%	1,861	1,862	1	0.0%
25.9%	1,856	1,849	-7	-0.4%
27.2%	1,851	1,843	-8	-0.4%
28.4%	1,847	1,838	-8	-0.5%
29.6%	1,843	1,836	-7	-0.4%
30.9%	1,831	1,796	-35	-1.9%
32.1%	1,805	1,762	-43	-2.4%
33.3%	1,743	1,761	18	1.0%
34.6%	1,656	1,728	72	4.4%
35.8%	1,653	1,722	69	4.2%
37.0%	1,644	1,687	43	2.6%
38.3%	1,621	1,651	30	1.9%
39.5%	1,621	1,626	6	0.3%
40.7%	1,621	1,621	0	0.0%
42.0%	1,621	1,621	0	0.0%
43.2%	1,621	1,621	0	0.0%
44.4%	1,621	1,621	0	0.0%
45.7%	1,621	1,621	0	0.0%
46.9%	1,621	1,621	0	0.0%
48.1%	1,608	1,621	13	0.8%
49.4%	1,581	1,620	39	2.4%
50.6%	1,580	1,618	38	2.4%
51.9%	1,567	1,592	26	1.6%
53.1%	1,497	1,572	75	5.0%
54.3%	1,478	1,566	88	5.9%
55.6%	1,464	1,563	99	6.7%
56.8%	1,461	1,552	91	6.2%
58.0%	1,460	1,533	73	5.0%
59.3%	1,447	1,521	74	5.1%
60.5%	1,415	1,510	94	6.7%
61.7%	1,408	1,475	67	4.8%
63.0%	1,282	1,468	186	14.5%
64.2%	1,276	1,466	190	14.9%
65.4%	1,237	1,464	227	18.4%
66.7%	1,229	1,457	228	18.6%
67.9%	1,175	1,450	275	23.4%
69.1%	1,148	1,403	255	22.2%
70.4%	1,101	1,345	244	22.1%
71.6%	1,088	1,285	198	18.2%
72.8%	1,062	1,251	188	17.7%
74.1%	1,025	1,249	224	21.8%
75.3%	1,021	1,221	200	19.6%
76.5%	1,002	1,204	202	20.2%
77.8%	923	1,188	265	28.7%
79.0%	864	1,179	315	36.5%
80.2%	852	1,161	310	36.4%
81.5%	752	1,163	221	29.4%
82.7%	747	936	189	25.3%
84.0%	747	905	158	21.2%
85.2%	746	851	105	14.0%
86.4%	746	809	63	8.4%
87.7%	746	750	3	0.5%
88.9%	746	747	1	0.0%
90.1%	746	746	0	0.0%
91.4%	746	746	0	0.0%
92.6%	746	746	0	0.0%
93.8%	743	741	-2	-0.3%
95.1%	579	748	169	29.2%
96.3%	478	736	258	53.9%
97.5%	453	453	0	0.0%
98.8%	453	453	0	0.0%
100.0%	452	452	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,931	23,934	3	0.0%
1.2%	21,432	21,430	-2	0.0%
2.5%	21,001	21,414	413	2.0%
3.7%	20,283	20,270	-13	-0.1%
4.9%	20,082	20,115	33	0.2%
6.2%	19,227	19,224	-4	0.0%
7.4%	18,389	18,394	5	0.0%
8.6%	15,197	15,193	-4	0.0%
9.9%	14,531	13,858	-674	-4.6%
11.1%	10,409	9,551	-857	-8.2%
12.3%	6,407	6,864	458	7.1%
13.6%	4,895	6,249	1,354	27.7%
14.8%	4,614	5,053	439	9.5%
16.0%	4,511	3,863	-648	-14.4%
17.3%	3,724	3,160	-564	-15.2%
18.5%	2,863	3,023	160	5.6%
19.8%	2,795	2,796	1	0.0%
21.0%	2,728	2,350	-378	-13.8%
22.2%	2,352	2,275	-77	-3.3%
23.5%	2,309	2,012	-297	-12.9%
24.7%	2,089	1,975	-114	-5.5%
25.9%	2,000	1,942	-58	-2.9%
27.2%	1,942	1,936	-6	-0.3%
28.4%	1,936	1,936	0	0.0%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
32.1%	1,936	1,935	-1	-0.1%
33.3%	1,936	1,934	-2	-0.1%
34.6%	1,936	1,934	-2	-0.1%
35.8%	1,936	1,929	-7	-0.3%
37.0%	1,932	1,925	-7	-0.4%
38.3%	1,932	1,901	-31	-1.6%
39.5%	1,904	1,878	-26	-1.4%
40.7%	1,879	1,832	-46	-2.5%
42.0%	1,814	1,831	17	0.9%
43.2%	1,746	1,792	46	2.6%
44.4%	1,724	1,781	57	3.3%
45.7%	1,719	1,756	37	2.2%
46.9%	1,688	1,702	14	0.8%
48.1%	1,688	1,693	6	0.3%
49.4%	1,688	1,688	0	0.0%
50.6%	1,688	1,688	0	0.0%
51.9%	1,688	1,688	0	0.0%
53.1%	1,688	1,688	0	0.0%
54.3%	1,671	1,688	17	1.0%
55.6%	1,634	1,688	53	3.3%
56.8%	1,633	1,688	55	3.3%
58.0%	1,615	1,688	73	4.5%
59.3%	1,521	1,650	129	8.5%
60.5%	1,494	1,613	119	7.9%
61.7%	1,476	1,610	134	9.0%
63.0%	1,471	1,596	125	8.5%
64.2%	1,471	1,595	124	8.5%
65.4%	1,452	1,569	116	8.0%
66.7%	1,418	1,552	135	9.5%
67.9%	1,410	1,537	128	9.1%
69.1%	1,284	1,491	206	16.1%
70.4%	1,150	1,491	332	28.8%
71.6%	1,112	1,478	366	32.9%
72.8%	1,064	1,476	412	38.7%
74.1%	1,032	1,457	424	41.1%
75.3%	1,027	1,405	378	36.8%
76.5%	1,006	1,347	340	33.8%
77.8%	1,003	1,267	264	26.3%
79.0%	1,000	1,253	253	25.3%
80.2%	926	1,223	298	32.2%
81.5%	895	1,163	268	29.9%
82.7%	866	975	109	12.6%
84.0%	854	940	86	10.1%
85.2%	754	910	157	20.8%
86.4%	752	854	103	13.7%
87.7%	748	853	105	14.0%
88.9%	748	812	63	8.5%
90.1%	748	767	19	2.6%
91.4%	748	754	6	0.8%
92.6%	748	754	6	0.8%
93.8%	748	748	0	0.0%
95.1%	598	748	151	25.2%
96.3%	568	736	167	29.5%
97.5%	565	598	33	5.8%
98.8%	472	472	0	

Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	42,202	42,202	0	0.0%
1.2%	32,740	32,732	-8	0.0%
2.5%	32,452	32,452	0	0.0%
3.7%	23,166	23,167	1	0.0%
4.9%	22,717	22,714	-2	0.0%
6.2%	22,095	22,090	-4	0.0%
7.4%	21,267	21,267	0	0.0%
8.6%	20,987	20,985	-2	0.0%
9.9%	20,556	20,547	-9	0.0%
11.1%	20,308	20,308	0	0.0%
12.3%	20,230	20,230	1	0.0%
13.6%	20,009	19,746	-263	-1.3%
14.8%	19,676	19,673	-3	0.0%
16.0%	18,689	18,690	1	0.0%
17.3%	17,835	17,981	46	0.3%
18.5%	17,751	17,751	0	0.0%
19.8%	16,339	16,339	0	0.0%
21.0%	16,324	16,324	0	0.0%
22.2%	14,682	14,682	0	0.0%
23.5%	14,543	14,543	0	0.0%
24.7%	14,235	14,246	11	0.1%
25.9%	12,686	12,523	-163	-1.3%
27.2%	12,523	12,466	-57	-0.5%
28.4%	12,466	12,388	-79	-0.6%
29.7%	11,667	11,667	0	0.0%
30.9%	10,653	10,651	-1	0.0%
32.1%	10,194	9,657	-537	-5.3%
33.3%	9,454	9,454	0	0.0%
34.6%	9,059	9,206	148	1.6%
35.8%	8,380	8,362	-2	0.0%
37.0%	7,889	8,346	457	5.8%
38.3%	7,847	7,775	-73	-0.9%
39.5%	7,774	7,593	-181	-2.3%
40.7%	7,428	7,429	1	0.0%
42.0%	7,324	7,323	-1	0.0%
43.2%	7,040	7,040	0	0.0%
44.4%	6,785	6,785	0	0.0%
45.7%	6,651	6,651	0	0.0%
46.9%	6,376	6,376	0	0.0%
48.1%	6,331	6,333	2	0.0%
49.4%	6,220	6,220	0	0.0%
50.6%	5,773	5,773	0	0.0%
51.9%	5,762	5,764	1	0.0%
53.1%	5,101	5,642	541	10.6%
54.3%	4,928	5,103	176	3.6%
55.6%	4,677	4,914	238	5.1%
56.8%	4,551	4,572	21	0.5%
58.0%	4,433	4,551	118	2.7%
59.3%	4,121	4,123	1	0.0%
60.5%	3,960	3,476	-484	-12.2%
61.7%	3,476	3,441	-35	-1.0%
63.0%	3,442	3,235	-207	-6.0%
64.2%	2,542	2,539	-3	-0.1%
65.4%	2,417	2,418	1	0.0%
66.7%	2,395	2,081	-314	-13.1%
67.9%	2,181	2,030	-151	-6.9%
69.1%	2,078	1,943	-136	-6.5%
70.4%	1,942	1,818	-124	-6.4%
71.6%	1,817	1,725	-92	-5.1%
72.8%	1,778	1,683	-95	-5.3%
74.1%	1,680	1,680	0	0.0%
75.3%	1,420	1,679	258	18.2%
76.5%	1,378	1,378	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,369	-6	-0.5%
82.7%	1,363	1,301	-62	-4.5%
84.0%	1,219	1,273	53	4.4%
85.2%	1,197	1,197	0	0.0%
86.4%	1,145	1,197	52	4.6%
87.7%	1,077	1,197	120	11.2%
88.9%	1,058	1,197	139	13.1%
90.1%	1,005	1,141	136	13.5%
91.4%	752	1,099	339	45.0%
92.6%	743	1,046	304	40.9%
93.8%	741	954	213	28.8%
95.1%	740	822	82	11.1%
96.3%	740	742	2	0.2%
97.5%	362	362	0	0.0%
98.8%	326	326	0	0.0%
100.0%	312	312	0	0.0%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	25,548	25,548	0	0.0%
1.2%	24,500	24,500	0	0.0%
2.5%	21,232	21,227	-5	0.0%
3.7%	17,296	17,296	0	0.0%
4.9%	16,926	16,926	0	0.0%
6.2%	16,510	16,510	0	0.0%
7.4%	15,651	15,651	0	0.0%
8.6%	16,620	14,620	-2,000	-12.0%
9.9%	12,865	12,873	4	0.0%
11.1%	10,981	10,980	-1	0.0%
12.3%	10,562	10,562	0	0.0%
13.6%	10,364	10,356	-8	-0.1%
14.8%	10,348	10,347	-1	0.0%
16.0%	10,149	10,149	0	0.0%
17.3%	9,889	9,888	-1	0.0%
18.5%	9,723	9,722	-1	0.0%
19.8%	8,919	8,921	2	0.0%
21.0%	8,548	8,548	0	0.0%
22.2%	8,345	8,345	0	0.0%
23.5%	8,315	8,315	0	0.0%
24.7%	8,274	8,274	0	0.0%
25.9%	8,191	8,193	2	0.0%
27.2%	8,013	7,910	-103	-1.3%
28.4%	7,767	7,762	-5	-0.1%
29.7%	7,688	7,682	-6	-0.1%
30.9%	6,574	6,569	-5	-0.1%
32.1%	6,442	6,431	-11	-0.2%
33.3%	6,392	6,391	-1	0.0%
34.6%	6,273	6,273	0	0.0%
35.8%	6,157	6,157	0	0.0%
37.0%	6,112	6,112	0	0.0%
38.3%	6,011	6,067	56	0.9%
39.5%	5,908	6,011	103	1.7%
40.7%	5,053	5,053	0	0.0%
42.0%	4,988	4,988	0	0.0%
43.2%	4,809	4,809	0	0.0%
44.4%	4,547	4,547	0	0.0%
45.7%	4,538	4,538	0	0.0%
46.9%	4,298	4,299	1	0.0%
48.1%	4,185	4,185	0	0.0%
49.4%	4,146	4,146	0	0.0%
50.6%	3,954	3,956	2	0.0%
51.9%	3,798	3,798	0	0.0%
53.1%	3,529	3,531	2	0.1%
54.3%	3,389	3,389	0	0.0%
55.6%	2,872	2,838	-33	-1.2%
56.8%	2,853	2,834	-19	-0.7%
58.0%	2,838	2,799	-40	-1.4%
59.3%	2,799	2,577	-222	-7.9%
60.5%	2,691	2,521	-170	-6.3%
61.7%	2,515	2,408	-107	-4.3%
63.0%	2,364	2,364	0	0.0%
64.2%	2,338	2,338	0	0.0%
65.4%	2,314	2,314	0	0.0%
66.7%	2,252	2,080	-172	-7.7%
67.9%	1,693	1,694	1	0.1%
69.1%	1,686	1,686	0	0.0%
70.4%	1,684	1,684	0	0.0%
71.6%	1,676	1,677	1	0.0%
72.8%	1,662	1,662	0	0.0%
74.1%	1,366	1,368	2	0.1%
75.3%	1,169	1,206	37	3.2%
76.5%	1,117	1,169	52	4.6%
77.8%	916	916	0	0.0%
79.0%	864	864	0	0.0%
80.2%	819	921	102	12.5%
81.5%	767	747	-20	-2.7%
82.7%	748	743	-5	-0.7%
84.0%	748	742	-6	-0.8%
85.2%	742	741	-1	-0.1%
86.4%	742	741	-1	-0.1%
87.7%	741	741	0	0.0%
88.9%	741	741	0	0.0%
90.1%	740	740	0	0.0%
91.4%	740	740	0	0.0%
92.6%	740	740	0	0.0%
93.8%	737	737	0	0.0%
95.1%	729	724	-6	-0.8%
96.3%	363	518	156	42.9%
97.5%	357	363	5	1.5%
98.8%	357	357	0	0.0%
100.0%	333	333	0	0.0%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)		
0.0%	20,878	20,872	-6	0.0%
1.2%	19,548	19,548	0	0.0%
2.5%	12,041	12,041	0	0.0%
3.7%	11,198	11,194	-4	0.0%
4.9%	11,077	11,077	0	0.0%
6.2%	7,667	7,667	0	0.0%
7.4%	6,817	6,817	0	0.0%
8.6%	6,409	6,409	0	0.0%
9.9%	6,268	6,268	0	0.0%
11.1%	6,208	6,208	0	0.0%
12.3%	5,880	5,880	0	0.0%
13.6%	5,582	5,574	-8	-0.1%
14.8%	5,140	5,140	0	0.0%
16.0%	4,938	4,938	0	0.0%
17.3%	4,925	4,925	0	0.0%
18.5%	4,214	4,214	0	0.0%
19.8%	4,185	4,176	-9	-0.2%
21.0%	4,107	4,107	0	0.0%
22.2%	4,036	4,037	1	0.0%
23.5%	3,882	3,888	6	0.2%
24.7%	3,856	3,789	-67	-1.7%
25.9%	3,789	3,641	-148	-3.9%
27.2%	3,642	3,623	-18	-0.5%
28.4%	3,623	3,488	-135	-3.7%
29.7%	3,385	3,385	0	0.0%
30.9%	3,329	3,130	-199	-6.0%
32.1%	3,130	3,114	-16	-0.5%
33.3%	3,114	3,071	-43	-1.4%
34.6%	3,106	3,037	-69	-2.2%
35.8%	3,037	2,923	-114	-3.8%
37.0%	3,020	2,845	-175	-5.8%
38.3%	2,916	2,777	-140	-4.8%
39.5%	2,847	2,776	-70	-2.5%
40.7%	2,828	2,753	-74	-2.6%
42.0%	2,776	2,668	-108	-3.9%
43.2%	2,726	2,726	0	0.0%
44.4%	2,667	2,217	-449	-16.9%
45.7%	2,577	2,129	-449	-17.4%
46.9%	2,331	2,039	-293	-12.6%
48.1%	2,326	1,967	-359	-15.4%
49.4%	2,074	1,953	-121	-5.8%
50.6%	1,823	1,823	0	0.0%
51.9%	1,806	1,725	-81	-4.5%
53.1%	1,703	1,706	3	0.2%
54.3%	1,685	1,685	0	0.0%
55.6%	1,663	1,663	0	0.0%
56.8%	1,591	1,551	-40	-2.5%
58.0%	1,531	1,296	-234	-15.3%
59.3%	1,439	1,224	-216	-15.0%
60.5%	1,351	1,213	-138	-10.2%
61.7%	1,296	1,192	-104	-8.0%
63.0%	1,224	1,162	-61	-5.0%
64.2%	1,213	1,126	-87	-7.2%
65.4%	1,191	1,095	-95	-8.0%
66.7%	1,164	1,056	-108	-9.2%
67.9%	997	998	1	0.1%
69.1%	940	947	7	0.8%
70.4%	937	947	10	1.1%
71.6%	921	921	0	0.0%
72.8%	900	947	47	5.2%
74.1%	875	940	64	7.3%
75.3%	860	937	76	8.9%
76.5%	833	936	102	12.3%
77.8%	765	935	170	22.2%
79.0%	763	932	169	22.1%
80.2%	757	921	164	21.6%
81.5%	747	914	168	22.4%
82.7%	747	905	158	21.2%
84.0%	747	900	153	20.5%
85.2%	747	899	153	20.4%
86.4%	747	895	148	19.9%
87.7%	747	892	146	19.5%
88.9%	747	891	144	19.3%
90.1%	736	876	140	19.1%
91.4%	735	868	133	18.1%
92.6%	735	797	62	8.4%
93.8%	724	757	32	4.5%
95.1%	705	745	40	5.7%
96.3%	689	747	58	8.5%
97.5%	315	747	432	137.2%
98.8%	303	747	444	146.5%
100.0%	303	582	280</	

Table SW-28-b  
American River at Watt Avenue, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,065	3,859	-206	-5.1%	
1.2%	3,818	3,618	-199	-5.2%	
2.5%	3,175	3,023	-152	-4.8%	
3.7%	2,496	2,378	-118	-4.7%	
4.9%	2,427	2,309	-118	-4.9%	
6.2%	2,426	2,308	-118	-4.9%	
7.4%	2,325	2,207	-118	-5.1%	
8.6%	2,277	2,159	-118	-5.2%	
9.9%	2,254	2,136	-118	-5.2%	
11.1%	2,212	2,094	-118	-5.3%	
12.3%	2,141	2,023	-118	-5.5%	
13.6%	2,137	2,019	-118	-5.5%	
14.8%	2,116	2,000	-116	-5.5%	
16.0%	1,959	1,843	-116	-5.9%	
17.3%	1,898	1,782	-116	-6.1%	
18.5%	1,837	1,721	-116	-6.3%	
19.8%	1,798	1,682	-116	-6.5%	
21.0%	1,791	1,675	-116	-6.5%	
22.2%	1,780	1,664	-116	-6.5%	
23.5%	1,756	1,640	-116	-6.6%	
24.7%	1,738	1,622	-116	-6.7%	
25.9%	1,719	1,603	-116	-6.7%	
27.2%	1,687	1,571	-116	-6.9%	
28.4%	1,685	1,569	-116	-6.9%	
29.6%	1,685	1,573	-112	-6.7%	
30.9%	1,685	1,577	-108	-6.4%	
32.1%	1,685	1,581	-104	-6.2%	
33.3%	1,685	1,585	-100	-6.0%	
34.6%	1,685	1,589	-96	-5.7%	
35.8%	1,685	1,593	-92	-5.5%	
37.0%	1,685	1,597	-88	-5.2%	
38.3%	1,684	1,596	-88	-5.2%	
39.5%	1,683	1,595	-88	-5.2%	
40.7%	1,669	1,580	-89	-5.3%	
42.0%	1,663	1,574	-89	-5.3%	
43.2%	1,658	1,569	-89	-5.4%	
44.4%	1,643	1,554	-89	-5.4%	
45.7%	1,630	1,541	-89	-5.5%	
46.9%	1,531	1,442	-89	-5.8%	
48.1%	1,527	1,438	-89	-5.8%	
49.4%	1,490	1,401	-89	-6.0%	
50.6%	1,484	1,395	-89	-6.0%	
51.9%	1,482	1,393	-89	-6.0%	
53.1%	1,452	1,363	-89	-6.1%	
54.3%	1,345	1,256	-89	-6.6%	
55.6%	1,330	1,241	-89	-6.7%	
56.8%	1,294	1,205	-89	-6.9%	
58.0%	1,257	1,168	-89	-7.1%	
59.3%	1,227	1,138	-89	-7.3%	
60.5%	1,187	1,098	-89	-7.5%	
61.7%	1,163	1,074	-89	-7.6%	
63.0%	1,157	1,068	-89	-7.7%	
64.2%	1,135	1,046	-89	-7.8%	
65.4%	1,124	1,035	-89	-7.9%	
66.7%	1,088	1,000	-88	-8.1%	
67.9%	1,078	989	-89	-8.2%	
69.1%	1,051	962	-89	-8.4%	
70.4%	1,040	951	-89	-8.5%	
71.6%	1,034	945	-89	-8.6%	
72.8%	1,031	942	-89	-8.7%	
74.1%	1,025	936	-89	-8.7%	
75.3%	1,008	919	-89	-8.8%	
76.5%	986	897	-89	-9.0%	
77.8%	920	831	-89	-9.7%	
79.0%	892	803	-89	-10.0%	
80.2%	825	736	-89	-10.8%	
81.5%	817	728	-89	-10.9%	
82.7%	813	724	-89	-11.0%	
84.0%	778	689	-89	-11.4%	
85.2%	783	694	-89	-11.4%	
86.4%	760	671	-89	-11.7%	
87.7%	760	671	-89	-11.7%	
88.9%	747	658	-89	-11.9%	
90.1%	746	657	-89	-12.0%	
91.4%	728	639	-89	-12.2%	
92.6%	738	649	-89	-12.1%	
93.8%	599	510	-89	-14.9%	
95.1%	599	510	-89	-14.9%	
96.3%	593	504	-89	-15.0%	
97.5%	428	339	-89	-20.8%	
98.8%	412	323	-89	-21.6%	
100.0%	328	239	-89	-27.1%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,948	4,939	-9	-0.2%	
1.2%	4,848	4,839	-9	-0.2%	
2.5%	4,942	4,933	-9	-0.1%	
3.7%	4,942	4,933	-9	-0.1%	
4.9%	4,938	4,929	-9	-0.0%	
6.2%	4,937	4,928	-9	-0.1%	
7.4%	4,937	4,928	-9	-0.1%	
8.6%	4,937	4,928	-9	-0.1%	
9.9%	4,937	4,928	-9	-0.1%	
11.1%	4,935	4,926	-9	-0.1%	
12.3%	4,930	4,921	-9	-0.1%	
13.6%	4,781	4,772	-9	-0.2%	
14.8%	4,764	4,755	-9	-0.2%	
16.0%	4,697	4,688	-9	-0.2%	
17.3%	4,682	4,673	-9	-0.2%	
18.5%	4,549	4,540	-9	-0.2%	
19.8%	4,534	4,525	-9	-0.2%	
21.0%	4,458	4,449	-9	-0.2%	
22.2%	2,959	2,950	-9	-0.3%	
23.5%	2,266	2,257	-9	-0.4%	
24.7%	4,209	4,200	-9	-0.2%	
25.9%	4,141	4,132	-9	-0.2%	
27.2%	2,699	2,690	-9	-0.3%	
28.4%	3,973	3,964	-9	-0.2%	
29.6%	3,834	3,825	-9	-0.2%	
30.9%	3,778	3,769	-9	-0.2%	
32.1%	3,735	3,726	-9	-0.2%	
33.3%	3,688	3,679	-9	-0.2%	
34.6%	3,634	3,625	-9	-0.2%	
35.8%	3,600	3,591	-9	-0.2%	
37.0%	3,379	3,370	-9	-0.3%	
38.3%	3,317	3,308	-9	-0.3%	
39.5%	3,291	3,282	-9	-0.3%	
40.7%	3,280	3,271	-9	-0.3%	
42.0%	3,265	3,256	-9	-0.3%	
43.2%	3,131	3,122	-9	-0.3%	
44.4%	2,862	2,853	-9	-0.3%	
45.7%	2,834	2,825	-9	-0.3%	
46.9%	2,788	2,779	-9	-0.3%	
48.1%	2,756	2,747	-9	-0.3%	
49.4%	2,752	2,743	-9	-0.3%	
50.6%	2,661	2,652	-9	-0.3%	
51.9%	2,656	2,647	-9	-0.3%	
53.1%	2,647	2,638	-9	-0.3%	
54.3%	2,635	2,626	-9	-0.3%	
55.6%	2,614	2,605	-9	-0.3%	
56.8%	2,562	2,553	-9	-0.3%	
58.0%	2,519	2,510	-9	-0.4%	
59.3%	2,519	2,510	-9	-0.4%	
60.5%	2,431	2,422	-9	-0.4%	
61.7%	2,417	2,408	-9	-0.4%	
63.0%	2,337	2,328	-9	-0.4%	
64.2%	2,306	2,297	-9	-0.4%	
65.4%	2,302	2,293	-9	-0.4%	
66.7%	2,298	2,289	-9	-0.4%	
67.9%	1,933	1,924	-9	-0.5%	
69.1%	1,933	1,924	-9	-0.5%	
70.4%	1,931	1,922	-9	-0.5%	
71.6%	1,836	1,827	-9	-0.5%	
72.8%	1,773	1,764	-9	-0.5%	
74.1%	1,736	1,727	-9	-0.5%	
75.3%	1,722	1,713	-9	-0.5%	
76.5%	1,717	1,708	-9	-0.5%	
77.8%	1,687	1,678	-9	-0.5%	
79.0%	1,687	1,678	-9	-0.5%	
80.2%	1,687	1,678	-9	-0.5%	
81.5%	1,687	1,678	-9	-0.5%	
82.7%	1,687	1,678	-9	-0.5%	
84.0%	1,581	1,572	-9	-0.6%	
85.2%	1,576	1,567	-9	-0.6%	
86.4%	1,472	1,463	-9	-0.6%	
87.7%	1,089	1,080	-9	-0.8%	
88.9%	1,033	1,024	-9	-0.9%	
90.1%	996	987	-9	-0.9%	
91.4%	920	911	-9	-1.0%	
92.6%	741	732	-9	-1.2%	
93.8%	716	707	-9	-1.3%	
95.1%	628	619	-9	-1.4%	
96.3%	603	594	-9	-1.5%	
97.5%	444	435	-9	-2.0%	
98.8%	412	403	-9	-2.2%	
100.0%	256	247	-9	-3.5%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,267	2,530	-737	-22.6%	
1.2%	3,062	2,245	-817	-26.7%	
2.5%	2,602	2,234	-368	-14.1%	
3.7%	2,544	1,932	-612	-24.1%	
4.9%	2,267	1,929	-338	-14.9%	
6.2%	2,231	1,925	-306	-13.7%	
7.4%	1,931	1,918	-13	-0.7%	
8.6%	1,887	1,911	24	1.3%	
9.9%	1,754	1,900	146	8.3%	
11.1%	1,687	1,883	196	11.6%	
12.3%	1,687	1,862	175	10.4%	
13.6%	1,687	1,764	77	4.6%	
14.8%	1,687	1,679	-8	-0.5%	
16.0%	1,680	1,678	-2	-0.1%	
17.3%	1,678	1,675	-3	-0.2%	
18.5%	1,669	1,670	1	0.0%	
19.8%	1,669	1,669	0	0.1%	
21.0%	1,667	1,665	-2	-0.1%	
22.2%	1,665	1,663	-2	-0.1%	
23.5%	1,662	1,660	-2	-0.1%	
24.7%	1,660	1,659	-1	-0.1%	
25.9%	1,659	1,659	0	0.0%	
27.2%	1,659	1,638	-21	-1.2%	
28.4%	1,659	1,625	-33	-2.0%	
29.6%	1,606	1,521	-85	-5.3%	
30.9%	1,651	1,566	-85	-5.1%	
32.1%	1,626	1,539	-87	-5.4%	
33.3%	1,537	1,501	-36	-2.3%	
34.6%	1,514	1,486	-28	-1.9%	
35.8%	1,409	1,478	69	4.9%	
37.0%	1,363	1,470	107	7.8%	
38.3%	1,321	1,469	148	11.2%	
39.5%	1,317	1,466	149	11.3%	
40.7%	1,308	1,465	156	11.9%	
42.0%	1,306	1,447	141	10.8%	
43.2%	1,260	1,443	183	14.6%	
44.4%	1,247	1,351	104	8.4%	
45.7%	1,219	1,417	198	16.3%	
46.9%	1,205	1,416	210	17.4%	
48.1%	1,107	1,403	296	26.8%	
49.4%	1,103	1,363	260	23.5%	
50.6%	1,079	1,350	271	25.2%	
51.9%	1,056	1,345	289	27.4%	
53.1%	1,033	1,331	297	28.8%	
54.3%	1,025	1,327	301	29.4%	
55.6%	1,012	1,328	315	31.1%	
56.8%	1,005	1,306	302	30.0%	
58.0%	975	1,306	331	33.9%	
59.3%	961	1,282	321	33.4%	
60.5%	954	1,237	282	29.6%	
61.7%	941	1,229	288	30.6%	
63.0%	940	1,190	250	26.6%	
64.2%	914	1,158	245	26.8%	
65.4%	889	1,154	266	29.9%	
66.7%	874	1,103	229	26.2%	
67.9%	867	1,089	222	25.6%	
69.1%	866	1,087	221	25.5%	
70.4%	854	1,085	231	27.1%	
71.6%	831	1,087	256	28.5%	
72.8%	794	1,010	216	27.2%	
74.1%	774	976	202	26.1%	
75.3%	754	959	205	27.2%	
76.5%	748	966	207	27.7%	

Figure SW-29-b  
American River at H Street, Monthly Flow  
Probability of Exceedance

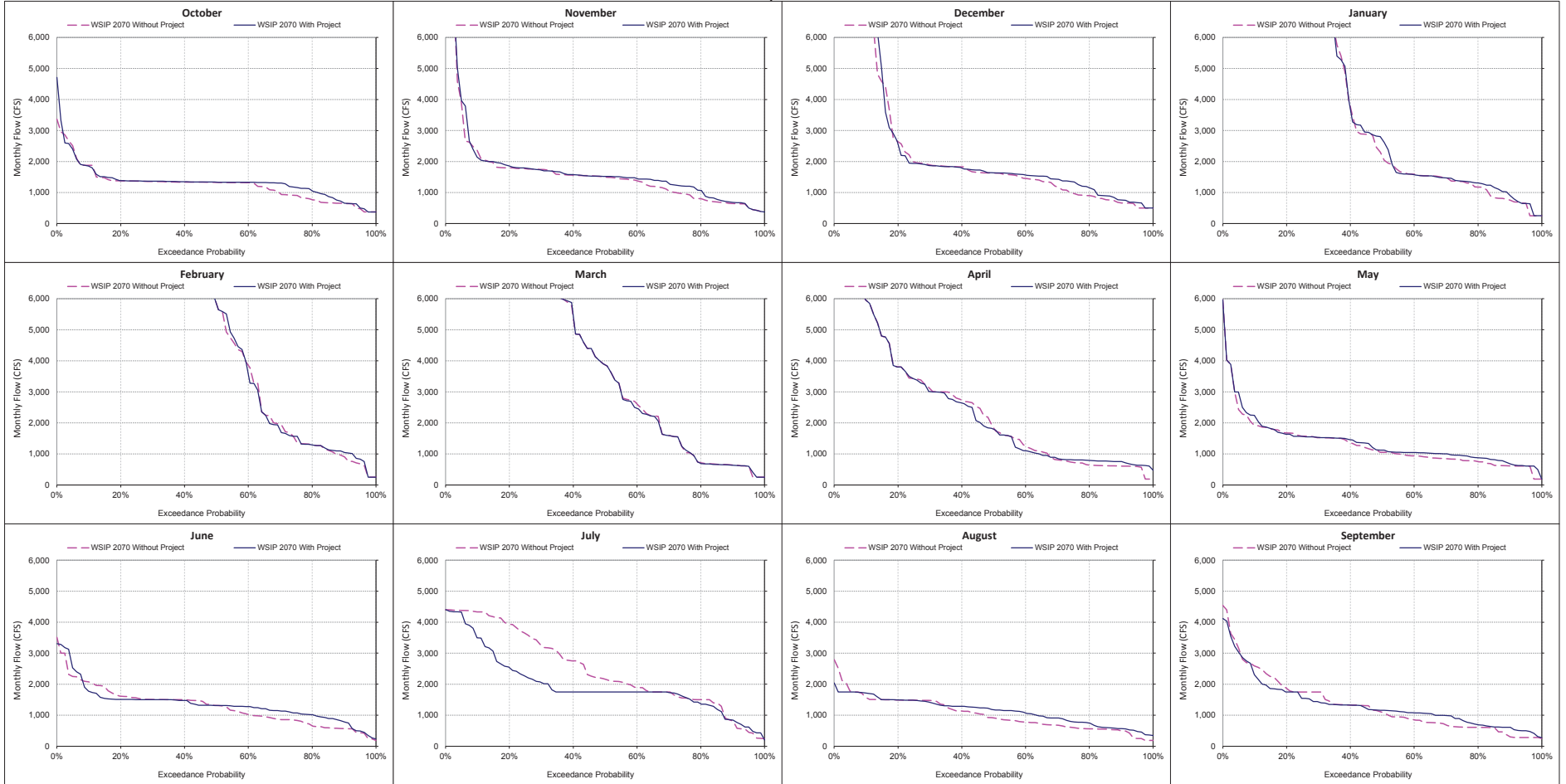


Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,366	4,716	1,350	40.1%
1.2%	2,964	3,324	360	12.1%
2.5%	2,865	2,507	-268	-9.4%
3.7%	2,668	2,583	-86	-3.2%
4.9%	2,508	2,400	-108	-4.3%
6.2%	2,107	2,080	-27	-1.3%
7.4%	1,879	1,906	27	1.4%
8.6%	1,879	1,879	0	0.0%
9.9%	1,879	1,854	-25	-1.3%
11.1%	1,879	1,794	-85	-4.5%
12.3%	1,499	1,585	85	5.7%
13.6%	1,486	1,510	24	1.6%
14.8%	1,477	1,509	31	2.1%
16.0%	1,415	1,484	69	4.9%
17.3%	1,382	1,476	94	6.8%
18.5%	1,380	1,427	47	3.4%
19.8%	1,377	1,379	2	0.2%
21.0%	1,375	1,379	4	0.3%
22.2%	1,372	1,377	5	0.3%
23.5%	1,370	1,375	5	0.4%
24.7%	1,367	1,373	6	0.4%
25.9%	1,365	1,372	7	0.5%
27.2%	1,363	1,370	7	0.5%
28.4%	1,358	1,368	10	0.8%
29.6%	1,356	1,368	12	0.9%
30.9%	1,355	1,363	8	0.6%
32.1%	1,355	1,363	8	0.6%
33.3%	1,352	1,362	11	0.8%
34.6%	1,343	1,358	14	1.1%
35.8%	1,341	1,357	16	1.2%
37.0%	1,337	1,354	17	1.3%
38.3%	1,336	1,353	17	1.1%
39.5%	1,336	1,352	16	1.2%
40.7%	1,335	1,348	13	1.0%
42.0%	1,335	1,344	9	0.7%
43.2%	1,332	1,341	9	0.7%
44.4%	1,334	1,340	6	0.4%
45.7%	1,334	1,340	6	0.4%
46.9%	1,331	1,337	6	0.4%
48.1%	1,331	1,336	5	0.4%
49.4%	1,329	1,336	7	0.5%
50.6%	1,327	1,334	7	0.5%
51.9%	1,326	1,333	7	0.6%
53.1%	1,325	1,331	6	0.4%
54.3%	1,323	1,330	6	0.5%
55.6%	1,323	1,330	7	0.5%
56.8%	1,321	1,329	8	0.6%
58.0%	1,321	1,328	8	0.6%
59.3%	1,318	1,328	10	0.8%
60.5%	1,315	1,328	13	1.0%
61.7%	1,303	1,327	25	1.9%
63.0%	1,199	1,327	128	10.7%
64.2%	1,193	1,325	132	11.1%
65.4%	1,178	1,320	143	12.1%
66.7%	1,087	1,318	230	21.2%
67.9%	1,079	1,317	238	22.0%
69.1%	1,046	1,309	263	25.2%
70.4%	935	1,309	373	39.9%
71.6%	932	1,292	360	37.5%
72.8%	918	1,197	280	30.5%
74.1%	912	1,180	269	29.5%
75.3%	906	1,162	256	28.2%
76.5%	836	1,139	302	36.2%
77.8%	822	1,132	310	37.7%
79.0%	800	1,127	328	41.0%
80.2%	763	1,045	282	36.9%
81.5%	756	1,007	250	33.1%
82.7%	683	966	283	41.4%
84.0%	676	935	259	38.3%
85.2%	666	872	205	30.8%
86.4%	663	836	173	26.1%
87.7%	655	760	104	15.9%
88.9%	654	720	66	10.1%
90.1%	643	654	11	1.7%
91.4%	647	647	0	0.0%
92.6%	642	642	0	0.0%
93.8%	500	639	139	27.8%
95.1%	478	500	22	4.7%
96.3%	447	473	26	5.8%
97.5%	375	375	0	0.0%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,660	15,003	344	2.3%
1.2%	12,353	11,990	-363	-2.9%
2.5%	7,498	7,439	-59	-0.8%
3.7%	4,575	5,009	434	9.5%
4.9%	3,903	3,967	64	1.6%
6.2%	2,663	3,785	1,121	42.1%
7.4%	2,625	2,661	36	1.4%
8.6%	0	2,479	2,479	38.8%
9.9%	2,361	2,142	-220	-9.3%
11.1%	2,090	2,044	-46	-2.2%
12.3%	2,045	2,014	-32	-1.5%
13.6%	2,000	2,000	0	0.0%
14.8%	1,968	2,000	32	1.6%
16.0%	1,817	1,963	147	8.1%
17.3%	1,802	1,951	149	8.3%
18.5%	1,797	1,896	99	5.5%
19.8%	1,797	1,866	70	3.9%
21.0%	1,796	1,822	26	1.4%
22.2%	1,776	1,802	26	1.5%
23.5%	1,775	1,797	22	1.2%
24.7%	1,773	1,790	17	0.9%
25.9%	1,758	1,777	19	1.1%
27.2%	1,758	1,759	1	0.0%
28.4%	1,755	1,740	-15	-0.8%
29.6%	1,745	1,735	-10	-0.6%
30.9%	1,740	1,700	-40	-2.3%
32.1%	1,723	1,696	-27	-1.5%
33.3%	1,700	1,694	-5	-0.3%
34.6%	1,592	1,675	83	5.2%
35.8%	1,582	1,664	82	5.2%
37.0%	1,577	1,613	36	2.3%
38.3%	1,565	1,582	17	1.1%
39.5%	1,562	1,577	15	1.0%
40.7%	1,554	1,575	21	1.4%
42.0%	1,548	1,563	15	1.0%
43.2%	1,542	1,570	28	1.8%
44.4%	1,545	1,538	-7	-0.4%
45.7%	1,541	1,531	-9	-0.6%
46.9%	1,530	1,531	1	0.1%
48.1%	1,519	1,528	9	0.6%
49.4%	1,510	1,521	11	0.7%
50.6%	1,497	1,499	2	0.1%
51.9%	1,488	1,516	28	1.9%
53.1%	1,470	1,515	45	3.1%
54.3%	1,446	1,515	69	4.8%
55.6%	1,440	1,493	53	3.7%
56.8%	1,430	1,481	51	3.5%
58.0%	1,409	1,476	68	4.8%
59.3%	1,403	1,474	71	5.1%
60.5%	1,362	1,433	71	5.2%
61.7%	1,335	1,432	97	7.3%
63.0%	1,245	1,431	186	14.9%
64.2%	1,200	1,427	227	18.9%
65.4%	1,197	1,393	196	16.4%
66.7%	1,180	1,390	210	17.8%
67.9%	1,155	1,368	213	18.4%
69.1%	1,112	1,366	253	22.8%
70.4%	1,027	1,264	237	23.1%
71.6%	1,008	1,245	237	23.5%
72.8%	984	1,228	244	24.8%
74.1%	968	1,210	242	25.1%
75.3%	906	1,204	297	26.4%
76.5%	925	1,200	275	29.7%
77.8%	813	1,174	362	44.5%
79.0%	808	1,079	271	33.5%
80.2%	797	1,067	270	33.9%
81.5%	753	877	124	16.4%
82.7%	720	836	115	16.0%
84.0%	707	825	117	16.6%
85.2%	694	777	83	12.0%
86.4%	680	740	61	8.9%
87.7%	679	711	32	4.7%
88.9%	648	694	46	7.1%
90.1%	647	679	33	5.0%
91.4%	637	673	36	5.7%
92.6%	635	671	35	5.6%
93.8%	635	648	13	2.0%
95.1%	500	600	0	0.0%
96.3%	447	447	0	0.0%
97.5%	427	427	0	0.0%
98.8%	391	391	0	0.0%
100.0%	375	375	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,870	23,873	3	0.0%
1.2%	21,347	21,420	73	0.3%
2.5%	21,007	21,344	337	1.6%
3.7%	20,220	20,230	10	0.1%
4.9%	20,042	20,052	10	0.1%
6.2%	19,114	19,111	-4	0.0%
7.4%	18,281	18,286	5	0.0%
8.6%	15,087	15,084	-4	0.0%
9.9%	14,453	13,772	-674	-4.7%
11.1%	10,314	9,456	-857	-8.3%
12.3%	6,291	6,748	458	7.3%
13.6%	4,820	6,167	1,347	28.0%
14.8%	4,591	5,030	439	9.6%
16.0%	4,429	3,568	-861	-19.0%
17.3%	3,658	3,094	-564	-15.4%
18.5%	2,747	2,907	160	5.8%
19.8%	2,656	2,657	1	0.0%
21.0%	2,571	2,193	-378	-14.7%
22.2%	2,307	2,121	-186	-8.1%
23.5%	2,221	1,945	-276	-12.4%
24.7%	2,000	1,940	-60	-3.0%
25.9%	1,956	1,938	-18	-0.9%
27.2%	1,945	1,923	-23	-1.2%
28.4%	1,940	1,905	-35	-1.8%
29.6%	1,870	1,898	28	1.5%
30.9%	1,871	1,866	-5	-0.3%
32.1%	1,866	1,862	-3	-0.2%
33.3%	1,862	1,843	-19	-1.0%
34.6%	1,849	1,840	-9	-0.5%
35.8%	1,837	1,838	1	0.0%
37.0%	1,836	1,838	2	0.1%
38.3%	1,832	1,821	-10	-0.6%
39.5%	1,829	1,811	-18	-1.0%
40.7%	1,828	1,757	-71	-3.9%
42.0%	1,724	1,749	25	1.4%
43.2%	1,654	1,670	16	0.9%
44.4%	1,654	1,729	75	4.5%
45.7%	1,645	1,722	77	4.7%
46.9%	1,636	1,693	58	3.5%
48.1%	1,632	1,641	9	0.6%
49.4%	1,631	1,637	7	0.4%
50.6%	1,632	1,632	0	0.0%
51.9%	1,624	1,631	7	0.4%
53.1%	1,590	1,628	37	2.4%
54.3%	1,582	1,624	42	2.7%
55.6%	1,573	1,611	38	2.4%
56.8%	1,556	1,600	44	2.8%
58.0%	1,511	1,589	78	5.2%
59.3%	1,460	1,584	123	8.4%
60.5%	1,447	1,552	105	7.3%
61.7%	1,428	1,544	116	8.1%
63.0%	1,419	1,535	116	8.2%
64.2%	1,403	1,527	123	8.8%
65.4%	1,351	1,526	175	12.9%
66.7%	1,351	1,518	167	12.4%
67.9%	1,325	1,443	119	8.9%
69.1%	1,216	1,433	217	17.9%
70.4%	1,159	1,428	269	23.2%
71.6%	1,085	1,377	292	26.9%
72.8%	1,078	1,375	298	27.6%
74.1%	989	1,356	367	37.1%
75.3%	964	1,340	376	39.0%
76.5%	922	1,254	332	36.0%
77.8%	915	1,201	286	31.2%
79.0%	901	1,194	293	32.5%
80.2%	897	1,142	245	27.3%
81.5%	874	1,089	214	24.5%
82.7%	811	915	105	12.9%
84.0%	806	900	93	11.6%
85.2%	788	891	103	13.1%
86.4%	760	889	129	17.0%
87.7%	742	846	105	14.1%
88.9%	683	764	81	11.9%
90.1%	662	760	98	14.9%
91.4%	657	746	89	13.5%
92.6%	657	693	36	5.5%
93.8%	647	689	42	6.4%
95.1%	500	600	0	0.0%
96.3%	500	600	0	0.0%
97.5%	500	500	0	



Table SW-29-b  
American River at H Street, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	42,203	42,203	0	0.0%	
1.2%	32,715	32,707	-8	0.0%	
2.5%	32,419	32,419	0	0.0%	
3.7%	23,198	23,198	1	0.0%	
4.9%	16,274	22,672	-2	0.0%	
6.2%	22,020	22,016	-4	0.0%	
7.4%	21,197	21,197	0	0.0%	
8.6%	20,907	20,905	-2	0.0%	
9.9%	20,489	20,480	-9	0.0%	
11.1%	20,203	20,203	0	0.0%	
12.3%	20,103	20,104	1	0.0%	
13.6%	20,003	19,740	-263	-1.3%	
14.8%	19,622	19,619	-3	0.0%	
16.0%	18,618	18,619	1	0.0%	
17.3%	17,754	17,800	46	0.3%	
18.5%	17,612	17,612	0	0.0%	
19.8%	16,183	16,183	0	0.0%	
21.0%	16,182	16,182	0	0.0%	
22.2%	14,608	14,608	0	0.0%	
23.5%	14,402	14,402	0	0.0%	
24.7%	14,152	14,163	11	0.1%	
25.9%	12,577	12,436	-141	-1.1%	
27.2%	12,436	12,338	-98	-0.8%	
28.4%	12,338	12,279	-59	-0.5%	
29.6%	11,693	11,693	0	0.0%	
30.9%	10,506	10,504	-1	0.0%	
32.1%	10,251	9,590	-661	-6.4%	
33.3%	9,297	9,297	0	0.0%	
34.6%	8,992	9,263	272	3.0%	
35.8%	8,232	8,313	81	1.0%	
37.0%	7,856	8,234	378	4.8%	
38.3%	7,723	7,587	-136	-1.8%	
39.5%	7,586	7,469	-117	-1.5%	
40.7%	7,269	7,269	1	0.0%	
42.0%	7,131	7,130	-1	0.0%	
43.2%	6,865	6,865	0	0.0%	
44.4%	6,603	6,603	0	0.0%	
45.7%	6,472	6,472	0	0.0%	
46.9%	6,184	6,184	0	0.0%	
48.1%	6,189	6,170	-2	0.0%	
49.4%	6,037	6,037	0	0.0%	
50.6%	5,648	5,648	0	0.0%	
51.9%	5,591	5,591	0	0.0%	
53.1%	4,931	5,178	247	5.0%	
54.3%	4,749	4,934	185	3.9%	
55.6%	4,688	4,735	47	1.0%	
56.8%	4,363	4,463	100	2.3%	
58.0%	4,301	4,383	82	1.9%	
59.3%	3,961	3,962	1	0.0%	
60.5%	3,780	3,279	-501	-13.2%	
61.7%	3,279	3,271	-8	-0.3%	
63.0%	3,272	3,055	-217	-6.6%	
64.2%	2,354	2,351	-3	-0.1%	
65.4%	2,243	2,244	1	0.1%	
66.7%	2,233	1,978	-255	-11.4%	
67.9%	2,002	1,941	-61	-3.1%	
69.1%	1,976	1,938	-37	-1.9%	
70.4%	1,940	1,680	-260	-13.4%	
71.6%	1,714	1,682	-32	-1.9%	
72.8%	1,689	1,591	-97	-5.8%	
74.1%	1,570	1,570	0	0.0%	
75.3%	1,360	1,570	210	15.5%	
76.5%	1,329	1,319	-10	-0.8%	
77.8%	1,325	1,314	-11	-0.8%	
79.0%	1,314	1,308	-6	-0.5%	
80.2%	1,282	1,282	0	0.0%	
81.5%	1,269	1,269	0	0.0%	
82.7%	1,266	1,266	0	0.0%	
84.0%	1,156	1,188	31	2.7%	
85.2%	1,112	1,134	22	1.9%	
86.4%	1,062	1,114	52	4.9%	
87.7%	980	1,100	120	12.3%	
88.9%	964	1,093	128	13.3%	
90.1%	905	1,047	142	15.7%	
91.4%	761	1,028	267	35.0%	
92.6%	757	1,012	255	33.6%	
93.8%	708	854	146	20.6%	
95.1%	609	832	223	36.6%	
96.3%	635	758	123	19.3%	
97.5%	250	250	0	0.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	25,520	25,520	0	0.0%	
1.2%	24,488	24,488	0	0.0%	
2.5%	21,135	21,131	-4	0.0%	
3.7%	17,200	17,200	0	0.0%	
4.9%	16,829	16,829	0	0.0%	
6.2%	16,404	16,404	0	0.0%	
7.4%	15,533	15,533	0	0.0%	
8.6%	14,524	14,524	0	0.0%	
9.9%	12,805	12,809	4	0.0%	
11.1%	10,871	10,871	0	0.0%	
12.3%	10,506	10,506	0	0.0%	
13.6%	10,305	10,296	-8	-0.1%	
14.8%	10,202	10,201	-1	0.0%	
16.0%	10,051	10,051	0	0.0%	
17.3%	9,940	9,939	-1	0.0%	
18.5%	9,586	9,585	-1	0.0%	
19.8%	8,796	8,798	2	0.0%	
21.0%	8,415	8,415	0	0.0%	
22.2%	8,238	8,238	0	0.0%	
23.5%	8,180	8,180	0	0.0%	
24.7%	8,136	8,136	0	0.0%	
25.9%	8,029	8,031	2	0.0%	
27.2%	7,936	7,833	-103	-1.3%	
28.4%	7,615	7,609	-6	-0.1%	
29.6%	7,580	7,584	3	0.0%	
30.9%	6,430	6,425	-5	-0.1%	
32.1%	6,326	6,315	-11	-0.2%	
33.3%	6,271	6,271	-1	0.0%	
34.6%	6,126	6,126	0	0.0%	
35.8%	6,028	6,028	0	0.0%	
37.0%	5,977	5,975	-2	0.0%	
38.3%	5,883	5,930	47	0.8%	
39.5%	5,771	5,883	113	2.0%	
40.7%	4,863	4,863	0	0.0%	
42.0%	4,853	4,853	0	0.0%	
43.2%	4,598	4,598	0	0.0%	
44.4%	4,401	4,401	0	0.0%	
45.7%	4,399	4,399	0	0.0%	
46.9%	4,133	4,134	1	0.0%	
48.1%	4,018	4,018	0	0.0%	
49.4%	3,906	3,906	0	0.0%	
50.6%	3,833	3,833	0	0.0%	
51.9%	3,628	3,628	0	0.0%	
53.1%	3,378	3,380	2	0.1%	
54.3%	3,282	3,283	1	0.0%	
55.6%	2,798	2,760	-38	-1.4%	
56.8%	2,760	2,712	-47	-1.7%	
58.0%	2,731	2,695	-37	-1.3%	
59.3%	2,695	2,503	-192	-7.1%	
60.5%	2,558	2,449	-109	-4.3%	
61.7%	2,443	2,300	-143	-5.9%	
63.0%	2,300	2,275	-25	-1.1%	
64.2%	2,238	2,225	-13	-0.6%	
65.4%	2,226	2,209	-16	-0.7%	
66.7%	2,209	2,066	-144	-6.5%	
67.9%	1,632	1,633	1	0.1%	
69.1%	1,597	1,597	0	0.0%	
70.4%	1,587	1,587	0	0.0%	
71.6%	1,555	1,555	0	0.0%	
72.8%	1,551	1,552	1	0.1%	
74.1%	1,239	1,241	2	0.1%	
75.3%	1,042	1,124	82	7.9%	
76.5%	1,035	1,042	7	0.7%	
77.8%	951	951	0	0.0%	
79.0%	739	739	0	0.0%	
80.2%	710	686	-24	-3.4%	
81.5%	685	680	-5	-0.8%	
82.7%	680	677	-3	-0.4%	
84.0%	677	663	-15	-2.2%	
85.2%	663	656	-7	-1.0%	
86.4%	657	651	-6	-0.9%	
87.7%	656	650	-6	-0.9%	
88.9%	651	641	-10	-1.5%	
90.1%	642	638	-4	-0.6%	
91.4%	638	634	-4	-0.6%	
92.6%	615	615	0	0.0%	
93.8%	613	613	0	0.0%	
95.1%	603	597	-6	-1.0%	
96.3%	250	411	161	64.4%	
97.5%	250	250	0	0.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	20,737	20,731	-6	0.0%	
1.2%	19,388	19,388	0	0.0%	
2.5%	11,880	11,880	0	0.0%	
3.7%	10,987	10,983	-4	0.0%	
4.9%	10,960	10,960	0	0.0%	
6.2%	7,489	7,489	0	0.0%	
7.4%	6,496	6,496	0	0.0%	
8.6%	6,170	6,170	0	0.0%	
9.9%	5,959	5,959	0	0.0%	
11.1%	5,854	5,854	0	0.0%	
12.3%	5,506	5,506	0	0.0%	
13.6%	5,227	5,219	-8	-0.2%	
14.8%	4,798	4,798	0	0.0%	
16.0%	4,767	4,766	-1	0.0%	
17.3%	4,559	4,559	0	0.0%	
18.5%	3,849	3,849	0	0.0%	
19.8%	3,807	3,803	-4	-0.1%	
21.0%	3,803	3,798	-5	-0.1%	
22.2%	3,059	3,660	1	0.0%	
23.5%	3,445	3,469	24	0.7%	
24.7%	3,434	3,433	-1	0.0%	
25.9%	3,416	3,382	-34	-1.0%	
27.2%	3,282	3,283	1	0.0%	
28.4%	3,246	3,246	0	0.0%	
29.6%	3,143	3,013	-131	-4.2%	
30.9%	3,013	3,000	-13	-0.4%	
32.1%	3,000	3,000	0	0.0%	
33.3%	3,000	2,991	-9	-0.3%	
34.6%	3,000	2,965	-35	-1.2%	
35.8%	2,991	2,784	-207	-6.9%	
37.0%	2,907	2,758	-149	-5.1%	
38.3%	2,801	2,677	-125	-4.4%	
39.5%	2,759	2,652	-107	-3.9%	
40.7%	2,689	2,618	-70	-2.6%	
42.0%	2,676	2,531	-146	-5.4%	
43.2%	2,652	2,496	-156	-5.9%	
44.4%	2,530	2,075	-454	-18.0%	
45.7%	2,470	2,016	-455	-18.4%	
46.9%	2,224	1,897	-327	-14.7%	
48.1%	2,185	1,844	-341	-15.6%	
49.4%	1,932	1,823	-109	-5.6%	
50.6%	1,766	1,735	-31	-1.8%	
51.9%	1,685	1,610	-75	-4.5%	
53.1%	1,604	1,607	3	0.2%	
54.3%	1,591	1,591	0	0.0%	
55.6%	1,557	1,557	0	0.0%	
56.8%	1,473	1,219	-254	-17.3%	
58.0%	1,468	1,168	-300	-20.4%	
59.3%	1,299	1,108	-192	-14.8%	
60.5%	1,219	1,095	-124	-10.1%	
61.7%	1,168	1,059	-109	-9.3%	
63.0%	1,108	1,025	-83	-7.5%	
64.2%	1,095	1,006	-89	-8.2%	
65.4%	1,058	953	-104	-9.9%	
66.7%	1,026	949	-77	-7.5%	
67.9%	892	894	2	0.2%	
69.1%	821	859	37	4.5%	
70.4%	803	892	89	11.1%	
71.6%	787	821	33	4.3%	
72.8%	769	816	47	6.1%	
74.1%	738	812	73	9.9%	
75.3%	718	807	89	12.4%	
76.5%	711	804	93		

Table SW-29-b  
American River at H Street, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,512	3,308	-204	-5.8%	
1.2%	3,000	3,285	285	9.5%	
2.5%	3,000	3,181	181	6.0%	
3.7%	2,313	3,125	812	35.1%	
4.9%	2,250	2,532	282	12.5%	
6.2%	2,241	2,404	163	7.3%	
7.4%	2,146	2,326	180	8.4%	
8.6%	2,095	1,908	-187	-9.0%	
9.9%	2,077	1,778	-301	-14.5%	
11.1%	2,033	1,735	-299	-14.7%	
12.3%	1,959	1,710	-249	-12.7%	
13.6%	1,957	1,575	-382	-19.5%	
14.8%	1,936	1,542	-393	-20.3%	
16.0%	1,788	1,550	-239	-14.8%	
17.3%	1,715	1,521	-193	-11.3%	
18.5%	1,654	1,514	-140	-8.5%	
19.8%	1,616	1,511	-105	-6.5%	
21.0%	1,607	1,511	-96	-6.0%	
22.2%	1,603	1,508	-95	-5.9%	
23.5%	1,573	1,488	-85	-5.4%	
24.7%	1,564	1,504	-60	-3.9%	
25.9%	1,534	1,504	-31	-2.0%	
27.2%	1,514	1,504	-10	-0.7%	
28.4%	1,511	1,502	-9	-0.6%	
29.6%	1,507	1,502	-5	-0.3%	
30.9%	1,504	1,502	-2	-0.1%	
32.1%	1,504	1,501	-2	-0.2%	
33.3%	1,504	1,500	-3	-0.2%	
34.6%	1,502	1,500	-2	-0.2%	
35.8%	1,502	1,499	-3	-0.2%	
37.0%	1,502	1,494	-8	-0.5%	
38.3%	1,501	1,479	-22	-1.5%	
39.5%	1,500	1,477	-23	-1.6%	
40.7%	1,499	1,477	-22	-1.5%	
42.0%	1,479	1,379	-100	-6.8%	
43.2%	1,477	1,352	-125	-8.5%	
44.4%	1,477	1,324	-153	-10.4%	
45.7%	1,446	1,322	-124	-8.6%	
46.9%	1,351	1,320	-31	-2.3%	
48.1%	1,351	1,319	-32	-2.4%	
49.4%	1,317	1,316	-1	0.0%	
50.6%	1,312	1,312	0	0.0%	
51.9%	1,300	1,313	12	1.0%	
53.1%	1,269	1,309	40	3.1%	
54.3%	1,163	1,302	139	12.0%	
55.6%	1,148	1,290	142	12.4%	
56.8%	1,122	1,285	163	14.6%	
58.0%	1,075	1,285	210	19.6%	
59.3%	1,044	1,281	236	22.6%	
60.5%	1,005	1,276	271	27.0%	
61.7%	989	1,248	259	26.2%	
63.0%	980	1,242	261	26.7%	
64.2%	972	1,213	240	24.7%	
65.4%	949	1,212	263	27.7%	
66.7%	926	1,159	233	25.2%	
67.9%	895	1,154	259	29.0%	
69.1%	871	1,148	277	31.8%	
70.4%	859	1,135	276	32.1%	
71.6%	857	1,130	274	31.9%	
72.8%	856	1,109	253	29.6%	
74.1%	849	1,077	228	26.9%	
75.3%	832	1,076	244	29.3%	
76.5%	806	1,042	236	29.3%	
77.8%	748	1,020	280	37.5%	
79.0%	720	1,026	306	42.5%	
80.2%	646	1,017	371	57.4%	
81.5%	634	975	340	53.7%	
82.7%	631	949	317	50.3%	
84.0%	596	932	336	56.4%	
85.2%	594	894	300	50.5%	
86.4%	581	893	313	53.8%	
87.7%	580	861	281	48.4%	
88.9%	570	821	252	44.2%	
90.1%	568	784	216	38.0%	
91.4%	565	748	183	32.5%	
92.6%	560	566	6	1.1%	
93.8%	439	503	64	14.5%	
95.1%	438	490	52	11.9%	
96.3%	422	450	28	6.6%	
97.5%	245	345	100	40.7%	
98.8%	235	266	31	13.1%	
100.0%	188	239	51	26.9%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,401	4,403	2	0.1%	
1.2%	4,399	4,351	-49	-1.1%	
2.5%	4,386	4,332	-54	-1.2%	
3.7%	4,385	4,332	-52	-1.2%	
4.9%	4,379	4,326	-53	-1.2%	
6.2%	4,377	3,953	-424	-9.7%	
7.4%	4,373	3,900	-474	-10.8%	
8.6%	4,360	3,805	-555	-12.5%	
9.9%	4,332	3,495	-837	-19.3%	
11.1%	4,332	3,485	-847	-19.5%	
12.3%	4,329	3,216	-1,113	-25.7%	
13.6%	4,210	3,174	-1,037	-24.6%	
14.8%	4,179	3,070	-1,109	-26.5%	
16.0%	4,144	2,737	-1,407	-33.9%	
17.3%	4,138	2,657	-1,481	-35.8%	
18.5%	3,990	2,584	-1,406	-35.2%	
19.8%	3,934	2,551	-1,383	-35.1%	
21.0%	3,926	2,442	-1,484	-37.8%	
22.2%	3,822	2,419	-1,403	-36.7%	
23.5%	3,718	2,330	-1,388	-37.2%	
24.7%	3,655	2,275	-1,380	-37.7%	
25.9%	3,576	2,200	-1,377	-38.5%	
27.2%	3,472	2,159	-1,313	-37.8%	
28.4%	3,435	2,089	-1,346	-39.2%	
29.6%	3,288	2,075	-1,213	-37.2%	
30.9%	3,184	2,017	-1,167	-36.7%	
32.1%	3,174	2,013	-1,161	-36.6%	
33.3%	3,154	1,820	-1,334	-42.3%	
34.6%	3,095	1,750	-1,345	-43.5%	
35.8%	2,960	1,750	-1,210	-40.9%	
37.0%	2,782	1,750	-1,032	-37.1%	
38.3%	2,774	1,750	-1,024	-36.9%	
39.5%	2,754	1,750	-1,004	-36.5%	
40.7%	2,754	1,750	-1,004	-36.4%	
42.0%	2,702	1,750	-952	-35.2%	
43.2%	2,626	1,650	-976	-37.2%	
44.4%	2,311	1,750	-561	-24.3%	
45.7%	2,260	1,750	-510	-22.6%	
46.9%	2,219	1,750	-469	-21.1%	
48.1%	2,207	1,750	-457	-20.7%	
49.4%	2,183	1,750	-433	-19.8%	
50.6%	2,143	1,750	-393	-18.3%	
51.9%	2,096	1,750	-346	-16.5%	
53.1%	2,093	1,750	-343	-16.4%	
54.3%	2,086	1,750	-336	-16.1%	
55.6%	2,062	1,750	-312	-15.1%	
56.8%	2,013	1,750	-263	-13.1%	
58.0%	1,970	1,750	-220	-11.2%	
59.3%	1,902	1,750	-152	-8.0%	
60.5%	1,893	1,750	-143	-7.5%	
61.7%	1,887	1,750	-137	-7.3%	
63.0%	1,791	1,750	-41	-2.3%	
64.2%	1,750	1,750	0	0.0%	
65.4%	1,750	1,750	0	0.0%	
66.7%	1,750	1,750	0	0.0%	
67.9%	1,750	1,750	0	0.0%	
69.1%	1,750	1,750	0	0.0%	
70.4%	1,750	1,727	-23	-1.3%	
71.6%	1,654	1,713	59	3.6%	
72.8%	1,592	1,681	88	5.6%	
74.1%	1,558	1,622	64	4.1%	
75.3%	1,553	1,570	16	1.1%	
76.5%	1,541	1,516	-25	-1.6%	
77.8%	1,504	1,425	-79	-5.2%	
79.0%	1,503	1,422	-80	-5.3%	
80.2%	1,503	1,359	-144	-9.6%	
81.5%	1,502	1,357	-144	-9.6%	
82.7%	1,501	1,319	-182	-12.1%	
84.0%	1,397	1,285	-112	-8.0%	
85.2%	1,393	1,188	-205	-14.7%	
86.4%	1,289	1,114	-176	-13.6%	
87.7%	907	870	-37	-4.1%	
88.9%	849	856	7	0.8%	
90.1%	814	840	26	3.2%	
91.4%	748	805	57	7.6%	
92.6%	560	709	149	26.6%	
93.8%	559	622	63	11.2%	
95.1%	446	617	171	38.4%	
96.3%	422	485	64	15.1%	
97.5%	263	435	173	65.8%	
98.8%	235	430	194	82.6%	
100.0%	240	203	-37	-15.4%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	2,793	2,044	-749	-26.8%	
1.2%	2,521	1,750	-771	-30.6%	
2.5%	2,118	1,750	-368	-17.4%	
3.7%	2,049	1,750	-299	-14.6%	
4.9%	1,781	1,750	-31	-1.8%	
6.2%	1,750	1,750	0	0.0%	
7.4%	1,750	1,738	-12	-0.7%	
8.6%	1,708	1,730	21	1.2%	
9.9%	1,575	1,718	143	9.1%	
11.1%	1,508	1,702	194	12.9%	
12.3%	1,507	1,683	177	11.7%	
13.6%	1,506	1,585	79	5.2%	
14.8%	1,505	1,503	-2	-0.1%	
16.0%	1,499	1,502	3	0.2%	
17.3%	1,497	1,499	1	0.1%	
18.5%	1,497	1,498	1	0.1%	
19.8%	1,493	1,493	0	0.0%	
21.0%	1,489	1,489	0	0.0%	
22.2%	1,488	1,488	0	0.0%	
23.5%	1,487	1,483	-4	-0.4%	
24.7%	1,487	1,481	-6	-0.4%	
25.9%	1,481	1,477	-4	-0.3%	
27.2%	1,480	1,458	-22	-1.5%	
28.4%	1,477	1,446	-31	-2.1%	
29.6%	1,477	1,425	-52	-3.5%	
30.9%	1,472	1,386	-86	-5.8%	
32.1%	1,448	1,359	-89	-6.1%	
33.3%	1,357	1,322	-35	-2.6%	
34.6%	1,336	1,306	-30	-2.2%	
35.8%	1,233	1,301	68	5.5%	
37.0%	1,186	1,291	105	8.8%	
38.3%	1,141	1,290	149	13.1%	
39.5%	1,139	1,288	149	13.1%	
40.7%	1,129	1,286	157	13.9%	
42.0%	1,127	1,268	140	12.5%	
43.2%	1,087	1,264	177	16.3%	
44.4%	1,068	1,256	189	17.7%	
45.7%	1,039	1,239	199	19.2%	
46.9%	1,027	1,237	210	20.5%	
48.1%	927	1,224	297	32.0%	
49.4%	921	1,183	262	28.4%	
50.6%	893	1,169	276	30.9%	
51.9%	877	1,165	289	32.9%	
53.1%	853	1,153	301	35.3%	
54.3%	845	1,148	303	35.8%	
55.6%	833	1,147	314	37.6%	
56.8%	825	1,130	305	36.9%	
58.0%	795	1,128	333	41.8%	
59.3%	783	1,103	320	40.9%	
60.5%	775	1,058	283	36.5%	
61.7%	762	1,051	289	37.9%	
63.0%	762	1,011	250	32.8%	
64.2%	741	978	237	32.0%	
65.4%	709	975	266	37.5%	
66.7%	696	921	226	32.5%	
67.9%	688	911	223	32.4%	
69.1%	686	911	224	32.7%	
70.4%	675	908	233	34.6%	
71.6%	651	898			

Figure SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

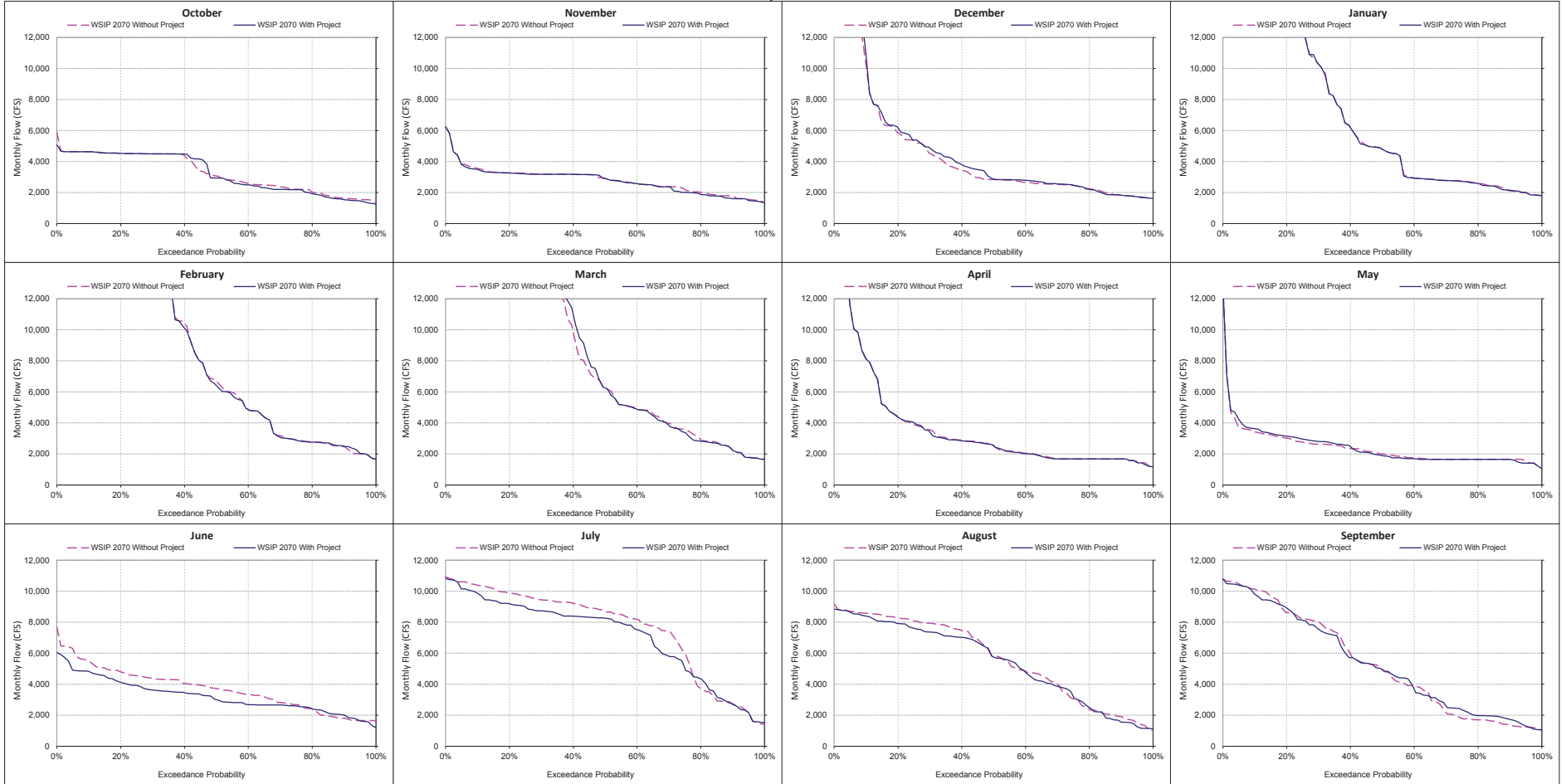


Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	5,869	5,071	-798	-13.6%	
1.2%	4,671	4,669	-2	0.0%	
2.5%	4,635	4,635	0	0.0%	
3.7%	4,635	4,635	0	0.0%	
4.9%	4,635	4,635	0	0.0%	
6.2%	4,635	4,635	0	0.0%	
7.4%	4,635	4,635	0	0.0%	
8.6%	4,635	4,635	0	0.0%	
9.9%	4,635	4,635	0	0.0%	
11.1%	4,631	4,631	0	0.0%	
12.3%	4,631	4,590	-41	-0.9%	
13.6%	4,590	4,568	-22	-0.5%	
14.8%	4,554	4,554	0	0.0%	
16.0%	4,554	4,554	0	0.0%	
17.3%	4,546	4,546	0	0.0%	
18.5%	4,542	4,542	0	0.0%	
19.8%	4,523	4,523	0	0.0%	
21.0%	4,520	4,520	0	0.0%	
22.2%	4,515	4,515	0	0.0%	
23.5%	4,511	4,511	0	0.0%	
24.7%	4,507	4,507	0	0.0%	
25.9%	4,502	4,504	2	0.0%	
27.2%	4,502	4,502	0	0.0%	
28.4%	4,500	4,502	2	0.0%	
29.7%	4,492	4,492	0	0.0%	
30.9%	4,491	4,495	4	0.1%	
32.1%	4,491	4,491	0	0.0%	
33.3%	4,491	4,491	0	0.0%	
34.6%	4,489	4,489	0	0.0%	
35.8%	4,487	4,487	0	0.0%	
37.0%	4,487	4,487	0	0.0%	
38.3%	4,484	4,486	2	0.0%	
39.5%	4,484	4,484	0	0.0%	
40.7%	4,497	4,484	-287	-6.8%	
42.0%	4,075	4,216	141	3.4%	
43.2%	4,073	4,263	190	4.7%	
44.4%	3,384	4,161	777	23.0%	
45.7%	3,364	4,101	737	21.9%	
46.9%	3,215	3,848	633	19.7%	
48.1%	3,210	2,940	-270	-8.4%	
49.4%	3,078	2,940	-138	-4.5%	
50.6%	3,046	2,940	-106	-3.5%	
51.9%	2,849	2,933	84	2.9%	
53.1%	2,821	2,836	16	0.6%	
54.3%	2,810	2,747	-63	-2.2%	
55.6%	2,782	2,598	-184	-6.6%	
56.8%	2,755	2,578	-176	-6.4%	
58.0%	2,696	2,520	-176	-6.5%	
59.3%	2,613	2,495	-118	-4.5%	
60.5%	2,583	2,493	-90	-3.5%	
61.7%	2,512	2,432	-81	-3.2%	
63.0%	2,504	2,415	-89	-3.5%	
64.2%	2,496	2,319	-178	-7.1%	
65.4%	2,491	2,307	-184	-7.4%	
66.7%	2,460	2,245	-215	-8.7%	
67.9%	2,457	2,206	-251	-10.2%	
69.1%	2,428	2,220	-228	-9.4%	
70.4%	2,355	2,198	-157	-6.7%	
71.6%	2,329	2,197	-131	-5.6%	
72.8%	2,254	2,192	-62	-2.8%	
74.1%	2,211	2,189	-22	-1.0%	
75.3%	2,206	2,188	-18	-0.8%	
76.5%	2,200	2,185	-15	-0.7%	
77.8%	2,189	2,031	-158	-7.2%	
79.0%	2,185	2,000	-185	-8.5%	
80.2%	1,990	1,911	-80	-4.0%	
81.5%	1,980	1,873	-107	-5.4%	
82.7%	1,961	1,818	-143	-7.3%	
84.0%	1,824	1,728	-96	-5.3%	
85.2%	1,802	1,681	-111	-6.2%	
86.4%	1,715	1,611	-105	-6.1%	
87.7%	1,670	1,601	-69	-4.1%	
88.9%	1,647	1,592	-55	-3.3%	
90.1%	1,626	1,540	-86	-5.3%	
91.4%	1,614	1,523	-91	-5.7%	
92.6%	1,592	1,486	-106	-6.7%	
93.8%	1,589	1,482	-107	-6.7%	
95.1%	1,562	1,469	-92	-5.9%	
96.3%	1,539	1,389	-150	-9.7%	
97.5%	1,536	1,331	-204	-13.3%	
98.8%	1,496	1,297	-199	-13.3%	
100.0%	1,331	1,251	-80	-6.0%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	6,237	6,237	0	0.0%	
1.2%	5,818	5,818	0	0.0%	
2.5%	4,632	4,632	0	0.0%	
3.7%	4,411	4,411	0	0.0%	
4.9%	3,843	3,812	-31	-0.8%	
6.2%	3,808	3,653	-156	-4.1%	
7.4%	3,676	3,551	-125	-3.4%	
8.6%	3,653	3,516	-137	-3.8%	
9.9%	3,551	3,508	-43	-1.2%	
11.1%	3,508	3,398	-110	-3.1%	
12.3%	3,398	3,336	-63	-1.8%	
13.6%	3,336	3,322	-14	-0.4%	
14.8%	3,322	3,300	-22	-0.7%	
16.0%	3,300	3,296	-3	-0.1%	
17.3%	3,296	3,280	-17	-0.5%	
18.5%	3,280	3,266	-14	-0.4%	
19.8%	3,266	3,257	-8	-0.3%	
21.0%	3,257	3,250	-8	-0.2%	
22.2%	3,256	3,248	-8	-0.2%	
23.5%	3,250	3,215	-35	-1.1%	
24.7%	3,248	3,212	-36	-1.1%	
25.9%	3,215	3,175	-39	-1.2%	
27.2%	3,212	3,175	-37	-1.2%	
28.4%	3,175	3,172	-3	-0.1%	
29.7%	3,172	3,172	0	0.0%	
30.9%	3,172	3,172	0	0.0%	
32.1%	3,172	3,172	0	0.0%	
33.3%	3,172	3,172	0	0.0%	
34.6%	3,172	3,172	0	0.0%	
35.8%	3,172	3,172	0	0.0%	
37.0%	3,172	3,172	0	0.0%	
38.3%	3,172	3,172	0	0.0%	
39.5%	3,172	3,171	-1	0.0%	
40.7%	3,172	3,167	-6	-0.2%	
42.0%	3,171	3,163	-8	-0.3%	
43.2%	3,163	3,156	-7	-0.2%	
44.4%	3,160	3,159	-1	0.0%	
45.7%	3,159	3,141	-18	-0.6%	
46.9%	3,145	3,137	-8	-0.3%	
48.1%	2,960	3,111	150	5.1%	
49.4%	2,932	2,913	-19	-0.7%	
50.6%	2,876	2,876	0	0.0%	
51.9%	2,827	2,782	-45	-1.6%	
53.1%	2,759	2,781	22	0.8%	
54.3%	2,730	2,760	31	1.1%	
55.6%	2,687	2,687	0	0.0%	
56.8%	2,680	2,628	-52	-1.9%	
58.0%	2,628	2,623	-5	-0.2%	
59.3%	2,599	2,599	0	0.0%	
60.5%	2,530	2,567	37	1.5%	
61.7%	2,529	2,530	1	0.1%	
63.0%	2,515	2,515	0	0.0%	
64.2%	2,453	2,505	52	2.1%	
65.4%	2,451	2,451	0	0.0%	
66.7%	2,405	2,376	-29	-1.2%	
67.9%	2,376	2,372	-4	-0.2%	
69.1%	2,376	2,372	-4	-0.2%	
70.4%	2,372	2,372	0	0.0%	
71.6%	2,372	2,084	-288	-12.1%	
72.8%	2,372	2,076	-296	-12.5%	
74.1%	2,303	2,006	-298	-12.9%	
75.3%	2,162	2,006	-156	-7.2%	
76.5%	2,076	2,002	-74	-3.6%	
77.8%	2,047	1,984	-63	-3.1%	
79.0%	2,044	1,963	-81	-3.9%	
80.2%	2,006	1,863	-143	-7.1%	
81.5%	2,002	1,856	-146	-7.3%	
82.7%	1,884	1,788	-96	-5.1%	
84.0%	1,856	1,784	-71	-3.8%	
85.2%	1,837	1,775	-62	-3.4%	
86.4%	1,790	1,753	-37	-2.1%	
87.7%	1,788	1,657	-131	-7.4%	
88.9%	1,784	1,637	-148	-8.3%	
90.1%	1,767	1,605	-162	-9.2%	
91.4%	1,611	1,602	-9	-0.6%	
92.6%	1,602	1,601	-1	-0.1%	
93.8%	1,601	1,599	-3	-0.2%	
95.1%	1,549	1,488	-61	-4.0%	
96.3%	1,516	1,463	-53	-3.5%	
97.5%	1,503	1,455	-48	-3.2%	
98.8%	1,463	1,433	-30	-2.1%	
100.0%	1,340	1,340	0	0.0%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	45,261	48,039	2,778	6.1%	
1.2%	32,039	32,353	315	1.0%	
2.5%	29,017	29,402	385	1.3%	
3.7%	22,892	26,110	3,218	14.1%	
4.9%	22,648	25,317	2,669	11.8%	
6.2%	20,682	22,688	2,006	9.7%	
7.4%	14,181	14,020	-161	-1.1%	
8.6%	12,139	13,245	1,106	9.1%	
9.9%	10,420	11,014	593	5.7%	
11.1%	8,403	8,407	4	0.0%	
12.3%	7,699	7,699	0	0.0%	
13.6%	7,613	7,613	0	0.0%	
14.8%	6,527	7,148	621	9.5%	
16.0%	6,323	6,524	201	3.2%	
17.3%	6,313	6,349	36	0.6%	
18.5%	6,245	6,344	98	1.6%	
19.8%	5,874	6,246	372	6.3%	
21.0%	5,725	5,874	149	2.6%	
22.2%	5,412	5,828	416	7.7%	
23.5%	5,386	5,326	-60	-1.1%	
24.7%	5,391	5,384	-7	-0.1%	
25.9%	5,193	5,381	187	3.6%	
27.2%	5,186	5,186	0	0.0%	
28.4%	5,004	4,952	-52	-1.0%	
29.7%	4,570	4,570	0	0.0%	
30.9%	4,423	4,723	300	6.8%	
32.1%	4,287	4,570	283	6.6%	
33.3%	4,178	4,512	334	8.0%	
34.6%	3,945	4,310	365	9.2%	
35.8%	3,702	4,281	579	15.6%	
37.0%	3,657	4,178	521	14.3%	
38.3%	3,554	3,945	391	11.0%	
39.5%	3,449	3,856	407	11.8%	
40.7%	3,411	3,700	289	8.5%	
42.0%	3,308	3,647	339	10.2%	
43.2%	3,078	3,476	398	12.9%	
44.4%	2,973	3,509	536	18.0%	
45.7%	2,955	3,449	493	16.7%	
46.9%	2,838	3,411	572	20.2%	
48.1%	2,838	3,075	236	8.3%	
49.4%	2,838	2,894	56	2.0%	
50.6%	2,838	2,838	0	0.0%	
51.9%	2,838	2,838	0	0.0%	
53.1%	2,813	2,838	26	0.9%	
54.3%	2,801	2,838	38	1.3%	
55.6%	2,790	2,838	48	1.7%	
56.8%	2,764	2,823	58	2.1%	
58.0%	2,724	2,813	89	3.3%	
59.3%	2,661	2,801	140	5.3%	
60.5%	2,656	2,790	134	5.1%	
61.7%	2,635	2,637	2	0.1%	
63.0%	2,584	2,724	140	5.4%	
64.2%	2,579	2,706	127	4.9%	
65.4%	2,569	2,656	87	3.4%	
66.7%	2,552	2,579	26	1.0%	
67.9%	2,545	2,572	27	1.1%	
69.1%	2,538	2,569	31	1.2%	
70.4%	2,532	2,538	6	0.2%	
71.6%	2,506	2,537	31	1.2%	
72.8%	2,503	2,5			

Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	71,558	71,558	0	0.0%	
1.2%	54,880	55,279	399	0.7%	
2.5%	50,217	52,277	2,060	4.1%	
3.7%	48,798	50,217	1,419	2.9%	
4.9%	48,215	48,798	583	1.2%	
6.2%	46,988	46,963	-25	-0.1%	
7.4%	45,425	42,191	-3,234	-7.1%	
8.6%	39,696	40,793	1,098	2.8%	
9.9%	37,959	37,959	0	0.0%	
11.1%	36,570	36,416	-154	-0.4%	
12.3%	36,277	36,270	-7	0.0%	
13.6%	35,960	35,851	-109	-0.3%	
14.8%	35,162	35,272	111	0.3%	
16.0%	34,818	34,818	0	0.0%	
17.3%	33,468	34,472	1,005	3.0%	
18.5%	31,903	31,902	-1	0.0%	
19.8%	29,940	29,940	0	0.0%	
21.0%	29,175	29,175	0	0.0%	
22.2%	26,715	29,157	2,442	9.1%	
23.5%	24,888	24,888	0	0.0%	
24.7%	24,270	24,270	0	0.0%	
25.9%	22,546	22,742	196	0.9%	
27.2%	21,739	22,546	807	3.7%	
28.4%	20,913	21,739	826	3.9%	
29.6%	19,664	19,664	869	4.4%	
30.9%	18,184	18,184	0	0.0%	
32.1%	17,244	17,244	0	0.0%	
33.3%	16,644	16,644	0	0.0%	
34.6%	14,810	14,485	-325	-2.2%	
35.8%	12,673	12,673	0	0.0%	
37.0%	10,795	10,644	-151	-1.4%	
38.3%	10,565	10,565	-1	0.0%	
39.5%	10,565	10,218	-347	-3.3%	
40.7%	10,218	9,928	-290	-2.8%	
42.0%	9,213	9,244	32	0.3%	
43.2%	8,529	8,529	-1	0.0%	
44.4%	8,052	8,052	0	0.0%	
45.7%	7,866	7,866	0	0.0%	
46.9%	7,107	7,100	-8	-0.1%	
48.1%	6,852	6,711	-142	-2.1%	
49.4%	6,818	6,544	-274	-4.0%	
50.6%	5,445	5,445	0	0.0%	
51.9%	6,266	6,024	-243	-3.9%	
53.1%	6,038	6,010	-28	0.5%	
54.3%	6,010	5,916	-94	-1.6%	
55.6%	5,916	5,658	-259	-4.4%	
56.8%	5,658	5,517	-141	-2.5%	
58.0%	5,445	5,445	0	0.0%	
59.3%	4,925	4,925	0	0.0%	
60.5%	4,804	4,802	-2	-0.1%	
61.7%	4,778	4,812	34	0.0%	
63.0%	4,762	4,762	0	0.0%	
64.2%	4,519	4,519	0	0.0%	
65.4%	4,303	4,303	0	0.0%	
66.7%	4,185	4,188	3	0.1%	
67.9%	3,318	3,318	0	0.0%	
69.1%	3,205	3,155	-50	-1.6%	
70.4%	3,155	3,035	-120	-3.8%	
71.6%	3,010	3,010	0	0.0%	
72.8%	2,979	2,979	0	0.0%	
74.1%	2,944	2,944	0	0.0%	
75.3%	2,891	2,866	-25	-0.9%	
76.5%	2,866	2,809	-57	-2.0%	
77.8%	2,813	2,793	-20	-0.7%	
79.0%	2,793	2,759	-33	-1.2%	
80.2%	2,759	2,757	-2	-0.1%	
81.5%	2,757	2,755	-2	-0.1%	
82.7%	2,755	2,727	-28	-1.0%	
84.0%	2,703	2,703	0	0.0%	
85.2%	2,681	2,682	1	0.0%	
86.4%	2,530	2,596	66	2.6%	
87.7%	2,527	2,530	3	0.1%	
88.9%	2,490	2,527	37	1.5%	
90.1%	2,467	2,490	23	0.9%	
91.4%	2,273	2,467	195	8.6%	
92.6%	2,029	2,368	339	16.7%	
93.8%	2,021	2,273	252	12.5%	
95.1%	2,007	2,029	22	1.1%	
96.3%	1,979	2,017	38	1.9%	
97.5%	1,914	1,914	0	0.0%	
98.8%	1,708	1,711	3	0.2%	
100.0%	1,667	1,667	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	64,080	64,080	0	0.0%	
1.2%	63,565	63,569	4	0.0%	
2.5%	48,535	48,030	-505	-1.0%	
3.7%	48,030	47,973	-57	-0.1%	
4.9%	47,973	47,473	-500	-1.0%	
6.2%	42,607	42,437	-170	-0.4%	
7.4%	32,392	32,392	0	0.0%	
8.6%	29,017	29,017	0	0.0%	
9.9%	27,431	27,899	467	1.7%	
11.1%	27,096	27,431	335	1.2%	
12.3%	26,912	27,096	183	0.7%	
13.6%	25,713	25,713	0	0.0%	
14.8%	25,154	25,154	0	0.0%	
16.0%	24,753	24,652	-101	-0.4%	
17.3%	21,311	21,304	-7	0.0%	
18.5%	20,267	20,267	0	0.0%	
19.8%	20,253	20,253	0	0.0%	
21.0%	20,012	20,012	0	0.0%	
22.2%	19,278	19,278	0	0.0%	
23.5%	18,770	18,770	0	0.0%	
24.7%	18,306	18,344	38	0.2%	
25.9%	18,006	18,306	300	1.7%	
27.2%	16,485	18,006	1,521	9.2%	
28.4%	16,076	16,076	0	0.0%	
29.6%	15,323	15,323	-437	-2.9%	
30.9%	15,181	15,193	12	0.1%	
32.1%	14,235	14,087	-149	-1.0%	
33.3%	13,295	13,295	0	0.0%	
34.6%	12,697	12,783	86	0.7%	
35.8%	12,297	12,697	400	3.3%	
37.0%	11,887	12,224	337	2.8%	
38.3%	10,673	11,887	1,214	11.4%	
39.5%	10,328	11,452	1,124	10.9%	
40.7%	10,147	10,328	181	1.8%	
42.0%	8,110	9,463	1,352	16.7%	
43.2%	8,037	8,115	78	1.0%	
44.4%	7,520	8,271	751	10.0%	
45.7%	7,078	7,601	522	7.4%	
46.9%	6,868	7,520	652	9.5%	
48.1%	6,780	6,780	0	0.0%	
49.4%	6,305	6,305	0	0.0%	
50.6%	6,180	6,191	12	0.2%	
51.9%	6,059	5,798	-261	-4.3%	
53.1%	5,580	5,578	-2	0.0%	
54.3%	5,188	5,176	-12	0.0%	
55.6%	5,157	5,157	0	0.0%	
56.8%	5,098	5,098	0	0.0%	
58.0%	5,030	5,030	0	0.0%	
59.3%	5,008	4,928	-80	-1.6%	
60.5%	4,842	4,840	-2	-0.1%	
61.7%	4,840	4,812	-28	-0.6%	
63.0%	4,812	4,786	-26	-0.5%	
64.2%	4,786	4,589	-197	-4.1%	
65.4%	4,481	4,402	-78	-1.7%	
66.7%	4,406	4,178	-228	-5.2%	
67.9%	4,157	4,108	-50	-1.2%	
69.1%	4,010	4,010	0	0.0%	
70.4%	3,957	3,748	-209	-5.3%	
71.6%	3,748	3,663	-86	-2.3%	
72.8%	3,615	3,631	15	0.4%	
74.1%	3,599	3,441	-158	-4.4%	
75.3%	3,574	3,362	-211	-5.9%	
76.5%	3,425	3,063	-362	-10.6%	
77.8%	3,249	2,872	-377	-11.6%	
79.0%	3,116	2,839	-277	-8.9%	
80.2%	2,865	2,806	-59	-2.1%	
81.5%	2,839	2,790	-49	-1.7%	
82.7%	2,806	2,734	-72	-2.6%	
84.0%	2,790	2,702	-88	-3.2%	
85.2%	2,734	2,689	-45	-1.6%	
86.4%	2,572	2,572	0	0.0%	
87.7%	2,555	2,555	0	0.0%	
88.9%	2,464	2,464	0	0.0%	
90.1%	2,207	2,207	0	0.0%	
91.4%	2,111	2,102	-9	-0.4%	
92.6%	2,066	2,066	0	0.0%	
93.8%	1,784	1,780	-4	-0.2%	
95.1%	1,780	1,762	-18	-1.0%	
96.3%	1,758	1,734	-25	-1.4%	
97.5%	1,734	1,733	-1	0.0%	
98.8%	1,657	1,659	2	0.1%	
100.0%	1,623	1,657	34	2.1%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	33,449	33,443	-6	0.0%	
1.2%	26,602	26,598	-4	0.0%	
2.5%	23,671	23,672	1	0.0%	
3.7%	13,820	14,652	831	6.0%	
4.9%	11,611	11,608	-3	0.0%	
6.2%	10,051	10,047	-4	0.0%	
7.4%	9,849	9,841	-7	-0.1%	
8.6%	8,681	8,674	-8	-0.1%	
9.9%	8,164	8,134	-30	-0.4%	
11.1%	7,916	7,911	-5	-0.1%	
12.3%	7,299	7,294	-4	-0.1%	
13.6%	6,824	6,820	-4	-0.1%	
14.8%	5,229	5,220	-9	-0.2%	
16.0%	5,091	5,082	-9	-0.2%	
17.3%	4,753	4,753	0	0.0%	
18.5%	4,608	4,601	-6	-0.1%	
19.8%	4,448	4,407	-41	-0.9%	
21.0%	4,241	4,241	0	0.0%	
22.2%	4,106	4,128	22	0.5%	
23.5%	4,059	4,057	-2	0.0%	
24.7%	3,886	4,059	173	4.4%	
25.9%	3,836	3,886	50	1.3%	
27.2%	3,740	3,836	97	2.6%	
28.4%	3,654	3,589	-65	-1.8%	
29.6%	3,569	3,569	0	0.0%	
30.9%	3,487	3,166	-321	-9.2%	
32.1%	3,166	3,078	-88	-2.8%	
33.3%	3,087	3,054	-33	-1.1%	
34.6%	3,069	2,989	-80	-2.6%	
35.8%	2,989	2,918	-71	-2.4%	
37.0%	2,918	2,915	-3	-0.1%	
38.3%	2,917	2,898	-19	-0.7%	
39.5%	2,899	2,853	-46	-1.6%	
40.7%	2,844	2,822	-22	-0.8%	
42.0%	2,826	2,814	-12	-0.4%	
43.2%	2,814	2,814	0	0.0%	
44.4%	2,801	2,744	-57	-2.0%	
45.7%	2,744	2,726	-19	-0.7%	
46.9%	2,688	2,665	-23	-0.8%	
48.1%	2,679	2,638	-42	-1.6%	
49.4%	2,665	2,601	-64	-2.4%	
50.6%	2,410	2,410	0	0.0%	
51.9%	2,256	2,348	92	4.1%	
53.1%	2,176	2,248	72	3.3%	
54.3%	2,171	2,176	5	0.2%	
55.6%	2,124	2,171	47	2.2%	
56.8%	2,123	2,096	-27	-1.2%	
58.0%	2,100	2,089	-11	-0.5%	
59.3%	2,052	2,022	-30	-1.5%	
60.5%	2,023	2,020	-4	-0.2%	
61.7%	2,022	1,981	-41	-2.0%	
63.0%	1,981	1,961	-19	-1.0%	
64.2%	1,916	1,891	-25	-1.3%	
65.4%	1,850	1,822	-28	-1.5%	
66.7%	1,823	1,754	-69	-3.8%	
67.9%	1,754	1,706	-48	-2.7%	
69.1%	1,706	1,672	-34	-2.0%	
70.4%	1,672	1,672	0	0	

Table SW-46-b  
Feather River at Shanghai Bend, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	7,683	6,039	-1,644	-21.4%	
1.2%	6,471	5,907	-564	-8.7%	
2.5%	6,456	5,706	-750	-11.6%	
3.7%	6,421	5,467	-954	-14.9%	
4.9%	6,305	4,899	-1,406	-22.3%	
6.2%	5,768	4,875	-893	-15.5%	
7.4%	5,640	4,855	-785	-13.9%	
8.6%	5,598	4,853	-744	-13.3%	
9.9%	5,500	4,840	-660	-12.0%	
11.1%	5,318	4,709	-609	-11.4%	
12.3%	5,119	4,653	-466	-9.1%	
13.6%	5,111	4,591	-520	-10.2%	
14.8%	5,051	4,557	-495	-9.8%	
16.0%	4,932	4,393	-539	-10.9%	
17.3%	4,924	4,354	-570	-11.6%	
18.5%	4,910	4,242	-668	-13.6%	
19.8%	4,817	4,137	-679	-14.1%	
21.0%	4,728	4,071	-657	-13.9%	
22.2%	4,632	3,989	-642	-13.9%	
23.5%	4,580	3,927	-653	-14.3%	
24.7%	4,566	3,920	-646	-14.2%	
25.9%	4,509	3,880	-629	-13.9%	
27.2%	4,481	3,746	-735	-16.4%	
28.4%	4,428	3,668	-757	-17.1%	
29.6%	4,398	3,631	-767	-17.4%	
30.9%	4,340	3,604	-736	-17.0%	
32.1%	4,323	3,587	-737	-17.0%	
33.3%	4,306	3,554	-753	-17.5%	
34.6%	4,298	3,544	-753	-17.5%	
35.8%	4,297	3,517	-780	-18.2%	
37.0%	4,292	3,506	-785	-18.3%	
38.3%	4,278	3,491	-787	-18.4%	
39.5%	4,065	3,484	-581	-14.3%	
40.7%	4,032	3,419	-612	-15.2%	
42.0%	3,997	3,393	-604	-15.1%	
43.2%	3,968	3,361	-607	-15.3%	
44.4%	3,952	3,376	-576	-14.6%	
45.7%	3,921	3,285	-636	-16.2%	
46.9%	3,870	3,261	-609	-15.7%	
48.1%	3,773	3,236	-537	-14.2%	
49.4%	3,736	3,032	-704	-18.8%	
50.6%	3,706	2,921	-784	-21.1%	
51.9%	3,620	2,868	-752	-20.8%	
53.1%	3,607	2,857	-750	-20.8%	
54.3%	3,591	2,835	-756	-21.1%	
55.6%	3,490	2,823	-667	-19.1%	
56.8%	3,465	2,823	-642	-18.5%	
58.0%	3,394	2,821	-574	-16.9%	
59.3%	3,355	2,698	-657	-19.6%	
60.5%	3,336	2,683	-653	-19.6%	
61.7%	3,291	2,677	-614	-18.7%	
63.0%	3,278	2,656	-622	-19.0%	
64.2%	3,271	2,656	-615	-18.8%	
65.4%	3,148	2,656	-492	-15.6%	
66.7%	3,058	2,656	-402	-13.1%	
67.9%	3,029	2,656	-373	-12.3%	
69.1%	2,830	2,656	-174	-6.1%	
70.4%	2,823	2,656	-166	-5.9%	
71.6%	2,780	2,651	-129	-4.6%	
72.8%	2,740	2,604	-136	-5.0%	
74.1%	2,690	2,602	-88	-3.3%	
75.3%	2,687	2,590	-97	-3.6%	
76.5%	2,608	2,539	-69	-2.6%	
77.8%	2,454	2,536	82	3.3%	
79.0%	2,429	2,501	72	3.0%	
80.2%	2,411	2,381	-30	-1.2%	
81.5%	2,204	2,352	148	6.7%	
82.7%	2,009	2,340	330	16.4%	
84.0%	1,985	2,240	255	12.8%	
85.2%	1,952	2,224	173	8.8%	
86.4%	1,920	2,077	157	8.2%	
87.7%	1,847	2,069	222	12.0%	
88.9%	1,819	2,050	231	12.7%	
90.1%	1,799	2,017	218	12.1%	
91.4%	1,743	1,936	193	11.1%	
92.6%	1,657	1,830	173	10.4%	
93.8%	1,656	1,753	97	5.9%	
95.1%	1,656	1,641	-15	-0.9%	
96.3%	1,656	1,604	-52	-3.2%	
97.5%	1,656	1,574	-82	-5.0%	
98.8%	1,656	1,319	-337	-20.3%	
100.0%	1,649	1,206	-443	-26.8%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	10,928	10,824	-104	-1.0%	
1.2%	10,924	10,750	-173	-0.7%	
2.5%	10,750	10,725	-25	-0.2%	
3.7%	10,600	10,600	0	0.0%	
4.9%	10,600	10,140	-461	-4.3%	
6.2%	10,600	10,138	-462	-4.4%	
7.4%	10,472	10,050	-422	-4.0%	
8.6%	10,456	10,006	-450	-4.3%	
9.9%	10,357	9,884	-474	-4.6%	
11.1%	10,346	9,719	-627	-6.1%	
12.3%	10,314	9,447	-867	-8.4%	
13.6%	10,243	9,445	-798	-7.8%	
14.8%	10,184	9,386	-798	-7.8%	
16.0%	10,033	9,351	-683	-6.8%	
17.3%	9,957	9,226	-731	-7.3%	
18.5%	9,951	9,226	-725	-7.3%	
19.8%	9,878	9,194	-685	-6.9%	
21.0%	9,857	9,138	-719	-7.3%	
22.2%	9,814	9,100	-714	-7.3%	
23.5%	9,707	9,077	-630	-6.5%	
24.7%	9,692	9,035	-658	-6.8%	
25.9%	9,654	8,846	-808	-8.4%	
27.2%	9,562	8,746	-816	-8.5%	
28.4%	9,523	8,742	-782	-8.2%	
29.6%	9,452	8,716	-737	-7.8%	
30.9%	9,424	8,714	-710	-7.5%	
32.1%	9,419	8,687	-732	-7.8%	
33.3%	9,399	8,678	-721	-7.7%	
34.6%	9,317	8,585	-732	-7.9%	
35.8%	9,298	8,492	-806	-8.7%	
37.0%	9,294	8,397	-897	-9.7%	
38.3%	9,291	8,395	-896	-9.6%	
39.5%	9,257	8,392	-864	-9.3%	
40.7%	9,159	8,386	-773	-8.4%	
42.0%	9,137	8,361	-776	-8.5%	
43.2%	9,085	8,341	-744	-8.3%	
44.4%	9,035	8,322	-712	-7.9%	
45.7%	8,920	8,305	-615	-6.9%	
46.9%	8,884	8,302	-581	-6.5%	
48.1%	8,820	8,277	-543	-6.2%	
49.4%	8,796	8,270	-526	-6.0%	
50.6%	8,653	8,238	-415	-4.8%	
51.9%	8,653	8,206	-447	-5.2%	
53.1%	8,530	8,023	-507	-5.9%	
54.3%	8,522	7,996	-526	-6.2%	
55.6%	8,466	7,892	-573	-6.8%	
56.8%	8,331	7,820	-512	-6.1%	
58.0%	8,267	7,811	-456	-5.5%	
59.3%	8,218	7,577	-642	-7.8%	
60.5%	8,162	7,482	-681	-8.3%	
61.7%	7,867	7,382	-485	-6.2%	
63.0%	7,867	7,269	-598	-7.6%	
64.2%	7,763	7,170	-593	-7.6%	
65.4%	7,521	6,440	-1,081	-14.4%	
66.7%	7,621	6,280	-1,341	-17.6%	
67.9%	7,453	5,980	-1,474	-19.8%	
69.1%	7,441	5,875	-1,566	-21.0%	
70.4%	7,400	5,785	-1,614	-21.8%	
71.6%	7,037	5,769	-1,268	-18.0%	
72.8%	6,672	5,643	-1,029	-15.4%	
74.1%	6,265	5,524	-740	-11.8%	
75.3%	5,904	4,888	-1,016	-17.2%	
76.5%	5,227	4,777	-450	-8.6%	
77.8%	4,423	4,473	50	1.1%	
79.0%	3,875	4,434	559	14.4%	
80.2%	3,669	4,326	657	17.9%	
81.5%	3,542	4,063	521	14.7%	
82.7%	3,502	3,644	142	4.1%	
84.0%	3,234	3,575	341	10.5%	
85.2%	2,919	3,137	218	7.5%	
86.4%	2,914	3,085	171	5.9%	
87.7%	2,889	2,928	39	1.3%	
88.9%	2,876	2,796	-80	-2.8%	
90.1%	2,674	2,731	57	2.1%	
91.4%	2,603	2,561	-43	-1.6%	
92.6%	2,527	2,348	-180	-7.1%	
93.8%	2,360	2,338	-22	-0.9%	
95.1%	2,148	2,170	21	1.0%	
96.3%	1,617	1,602	-15	-0.9%	
97.5%	1,560	1,587	27	1.8%	
98.8%	1,540	1,540	0	0.0%	
100.0%	1,405	1,506	102	7.2%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	9,162	8,838	-325	-3.5%	
1.2%	8,815	8,802	-14	-0.2%	
2.5%	8,806	8,765	-41	-0.5%	
3.7%	8,776	8,754	-23	-0.3%	
4.9%	8,697	8,656	-41	-0.5%	
6.2%	8,667	8,535	-132	-1.5%	
7.4%	8,611	8,535	-76	-0.9%	
8.6%	8,596	8,443	-153	-1.8%	
9.9%	8,584	8,384	-200	-2.3%	
11.1%	8,564	8,350	-214	-2.5%	
12.3%	8,529	8,207	-322	-3.8%	
13.6%	8,521	8,088	-433	-5.1%	
14.8%	8,478	8,067	-410	-4.8%	
16.0%	8,377	8,031	-346	-4.1%	
17.3%	8,357	8,029	-328	-3.9%	
18.5%	8,347	8,015	-332	-4.0%	
19.8%	8,273	7,917	-356	-4.3%	
21.0%	8,233	7,907	-326	-4.0%	
22.2%	8,229	7,883	-346	-4.2%	
23.5%	8,162	7,888	-274	-3.4%	
24.7%	8,085	7,631	-454	-5.6%	
25.9%	8,062	7,556	-506	-6.3%	
27.2%	7,973	7,528	-445	-5.6%	
28.4%	7,953	7,380	-573	-7.2%	
29.6%	7,937	7,372	-564	-7.1%	
30.9%	7,917	7,360	-557	-7.0%	
32.1%	7,877	7,339	-537	-6.8%	
33.3%	7,849	7,234	-615	-7.8%	
34.6%	7,824	7,114	-710	-9.1%	
35.8%	7,714	7,114	-600	-7.8%	
37.0%	7,604	7,074	-530	-7.0%	
38.3%	7,555	7,041	-514	-6.8%	
39.5%	7,506	7,030	-476	-6.3%	
40.7%	7,402	7,009	-392	-5.3%	
42.0%	7,392	6,961	-431	-5.8%	
43.2%	7,028	6,897	-131	-1.9%	
44.4%	7,006	6,752	-254	-3.6%	
45.7%	6,757	6,597	-159	-2.4%	
46.9%	6,513	6,459	-54	-0.8%	
48.1%	6,402	6,301	-101	-1.6%	
49.4%	6,339	6,144	-195	-3.1%	
50.6%	6,284	6,084	-200	-3.2%	
51.9%	6,149	6,067	-82	-1.4%	
53.1%	6,068	6,028	-40	-0.7%	
54.3%	5,551	5,573	22	0.4%	
55.6%	5,132	5,491	359	7.0%	
56.8%	5,059	5,370	311	6.1%	
58.0%	4,929	5,060	132	2.7%	
59.3%	4,906	4,896	-11	-0.2%	
60.5%	4,776	4,682	-94	-2.0%	
61.7%	4,754	4,483	-271	-5.7%	
63.0%	4,714	4,294	-420	-8.9%	
64.2%	4,648	4,223	-426	-9.2%	
65.4%	4,522	4,187	-335	-7.4%	
66.7%	4,381	4,057	-324	-7.	

Figure SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

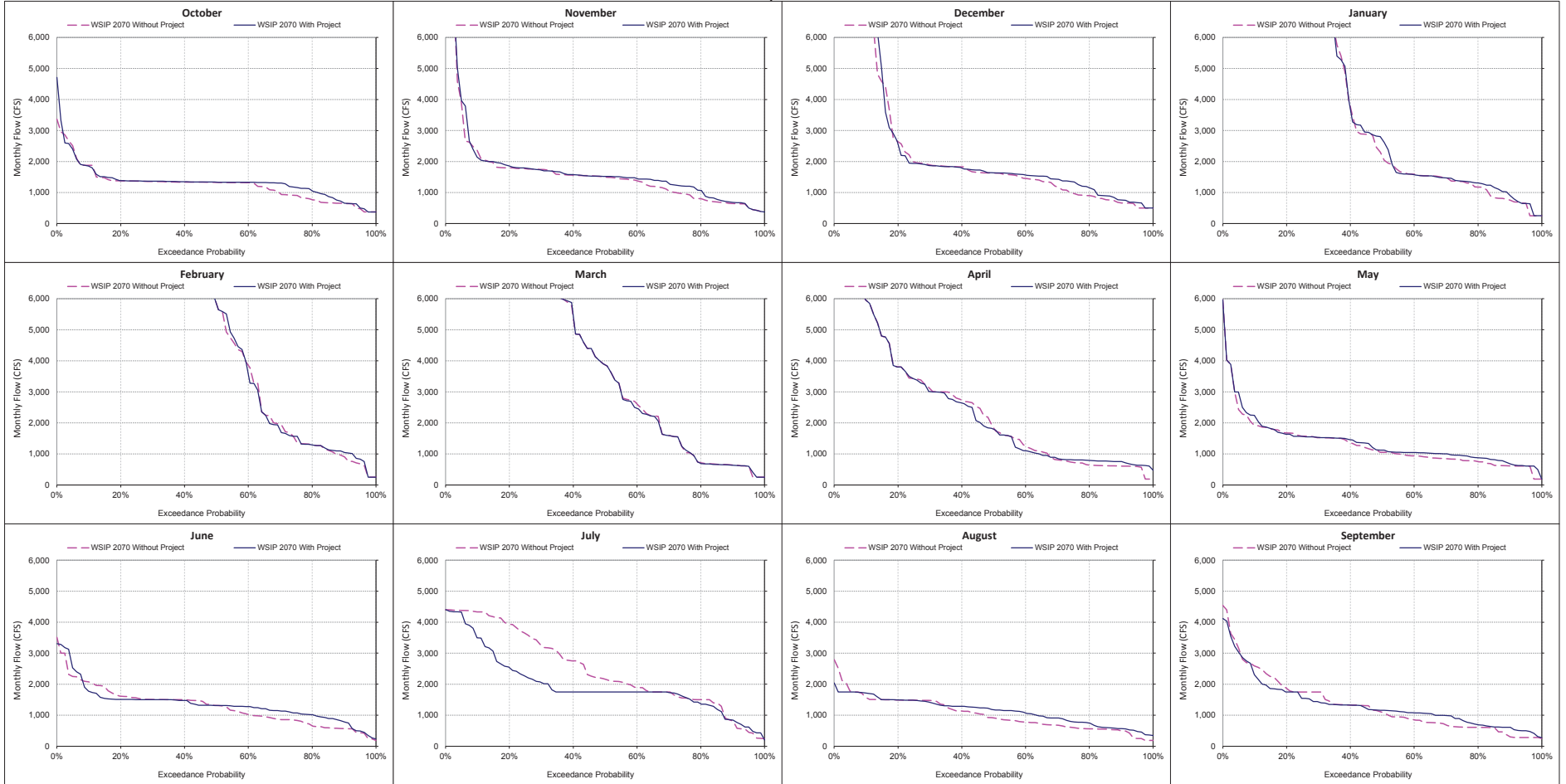


Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,366	4,716	1,350	40.1%
1.2%	2,964	3,324	360	12.1%
2.5%	2,865	2,507	-268	-9.4%
3.7%	2,668	2,583	-86	-3.2%
4.9%	2,508	2,400	-109	-4.3%
6.2%	2,107	2,080	-27	-1.3%
7.4%	1,879	1,906	27	1.4%
8.6%	1,879	1,879	0	0.0%
9.9%	1,879	1,854	-25	-1.3%
11.1%	1,879	1,794	-85	-4.5%
12.3%	1,499	1,585	85	5.7%
13.6%	1,486	1,510	24	1.6%
14.8%	1,477	1,509	31	2.1%
16.0%	1,415	1,484	69	4.9%
17.3%	1,382	1,476	94	6.8%
18.5%	1,380	1,427	47	3.4%
19.8%	1,377	1,379	2	0.2%
21.0%	1,375	1,379	4	0.3%
22.2%	1,372	1,377	5	0.3%
23.5%	1,370	1,375	5	0.4%
24.7%	1,367	1,373	6	0.4%
25.9%	1,365	1,372	7	0.5%
27.2%	1,363	1,370	7	0.5%
28.4%	1,358	1,368	10	0.8%
29.6%	1,356	1,368	12	0.9%
30.9%	1,355	1,363	8	0.6%
32.1%	1,355	1,363	8	0.6%
33.3%	1,352	1,362	11	0.8%
34.6%	1,343	1,358	14	1.1%
35.8%	1,341	1,357	16	1.2%
37.0%	1,337	1,354	17	1.3%
38.3%	1,336	1,353	17	1.2%
39.5%	1,336	1,352	16	1.2%
40.7%	1,335	1,348	13	1.0%
42.0%	1,335	1,344	9	0.7%
43.2%	1,332	1,341	9	0.7%
44.4%	1,334	1,340	6	0.4%
45.7%	1,334	1,340	6	0.4%
46.9%	1,331	1,337	6	0.4%
48.1%	1,331	1,336	5	0.4%
49.4%	1,329	1,336	7	0.5%
50.6%	1,327	1,334	7	0.5%
51.9%	1,326	1,333	7	0.6%
53.1%	1,325	1,331	6	0.4%
54.3%	1,323	1,330	6	0.5%
55.6%	1,323	1,330	7	0.5%
56.8%	1,321	1,329	8	0.6%
58.0%	1,321	1,328	8	0.6%
59.3%	1,318	1,328	10	0.8%
60.5%	1,315	1,328	13	1.0%
61.7%	1,303	1,327	25	1.9%
63.0%	1,199	1,327	128	10.7%
64.2%	1,193	1,325	132	11.1%
65.4%	1,178	1,320	143	12.1%
66.7%	1,087	1,318	230	21.2%
67.9%	1,079	1,317	238	22.0%
69.1%	1,046	1,309	263	25.2%
70.4%	935	1,309	373	39.9%
71.6%	932	1,292	360	37.5%
72.8%	918	1,197	280	30.5%
74.1%	912	1,180	269	29.5%
75.3%	906	1,162	256	28.2%
76.5%	836	1,139	302	36.2%
77.8%	822	1,132	310	37.7%
79.0%	800	1,127	328	41.0%
80.2%	763	1,045	282	36.9%
81.5%	756	1,007	250	33.1%
82.7%	683	966	283	41.4%
84.0%	676	935	259	38.3%
85.2%	666	872	205	30.8%
86.4%	663	836	173	26.1%
87.7%	655	760	104	15.9%
88.9%	654	720	66	10.1%
90.1%	643	654	11	1.7%
91.4%	647	647	0	0.0%
92.6%	642	642	0	0.0%
93.8%	500	639	139	27.8%
95.1%	478	500	22	4.7%
96.3%	447	473	26	5.8%
97.5%	375	375	0	0.0%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,660	15,003	344	2.3%
1.2%	12,353	11,990	-363	-2.9%
2.5%	7,498	7,439	-59	-0.8%
3.7%	4,575	5,009	434	9.5%
4.9%	3,903	3,967	64	1.6%
6.2%	2,663	3,785	1,121	42.1%
7.4%	2,625	2,661	36	1.4%
8.6%	0	2,479	2,479	>100%
9.9%	2,361	2,142	-220	-9.3%
11.1%	2,090	2,044	-46	-2.2%
12.3%	2,045	2,014	-32	-1.5%
13.6%	2,000	2,000	0	0.0%
14.8%	1,968	2,000	32	1.6%
16.0%	1,817	1,963	147	8.1%
17.3%	1,802	1,951	149	8.3%
18.5%	1,797	1,896	99	5.5%
19.8%	1,797	1,866	70	3.9%
21.0%	1,796	1,822	26	1.4%
22.2%	1,776	1,802	26	1.5%
23.5%	1,775	1,797	22	1.2%
24.7%	1,773	1,790	17	0.9%
25.9%	1,758	1,777	19	1.1%
27.2%	1,758	1,759	1	0.0%
28.4%	1,755	1,740	-15	-0.8%
29.6%	1,745	1,735	-10	-0.6%
30.9%	1,740	1,700	-40	-2.3%
32.1%	1,723	1,696	-27	-1.5%
33.3%	1,700	1,694	-6	-0.3%
34.6%	1,592	1,675	83	5.2%
35.8%	1,582	1,664	82	5.2%
37.0%	1,577	1,613	36	2.3%
38.3%	1,565	1,582	17	1.1%
39.5%	1,562	1,577	15	1.0%
40.7%	1,554	1,575	21	1.4%
42.0%	1,548	1,563	15	1.0%
43.2%	1,542	1,570	28	1.8%
44.4%	1,545	1,538	-7	-0.4%
45.7%	1,541	1,531	-9	-0.6%
46.9%	1,530	1,531	1	0.1%
48.1%	1,519	1,528	9	0.6%
49.4%	1,510	1,521	11	0.7%
50.6%	1,497	1,499	2	0.1%
51.9%	1,488	1,516	28	1.9%
53.1%	1,470	1,515	45	3.1%
54.3%	1,446	1,515	69	4.8%
55.6%	1,440	1,493	53	3.7%
56.8%	1,430	1,481	51	3.5%
58.0%	1,409	1,476	68	4.8%
59.3%	1,403	1,474	71	5.1%
60.5%	1,362	1,433	71	5.2%
61.7%	1,335	1,432	97	7.3%
63.0%	1,245	1,431	186	14.9%
64.2%	1,200	1,427	227	18.9%
65.4%	1,197	1,393	196	16.4%
66.7%	1,180	1,390	210	17.8%
67.9%	1,155	1,368	213	18.4%
69.1%	1,112	1,366	253	22.8%
70.4%	1,027	1,264	237	23.1%
71.6%	1,008	1,245	237	23.5%
72.8%	984	1,228	244	24.8%
74.1%	968	1,210	242	25.1%
75.3%	906	1,204	297	26.4%
76.5%	925	1,200	275	29.7%
77.8%	813	1,174	362	44.5%
79.0%	808	1,079	271	33.5%
80.2%	797	1,067	270	33.9%
81.5%	753	877	124	16.4%
82.7%	720	836	115	16.0%
84.0%	707	825	117	16.6%
85.2%	694	777	83	12.0%
86.4%	680	740	61	8.9%
87.7%	679	711	32	4.7%
88.9%	648	694	46	7.1%
90.1%	647	679	33	5.0%
91.4%	637	673	36	5.7%
92.6%	635	671	35	5.6%
93.8%	635	648	13	2.0%
95.1%	500	600	0	0.0%
96.3%	447	447	0	0.0%
97.5%	427	427	0	0.0%
98.8%	391	391	0	0.0%
100.0%	375	375	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,870	23,873	3	0.0%
1.2%	21,347	21,420	73	0.3%
2.5%	21,007	21,344	337	1.6%
3.7%	20,220	20,230	10	0.1%
4.9%	20,042	20,052	10	0.1%
6.2%	19,114	19,111	-4	0.0%
7.4%	18,281	18,286	5	0.0%
8.6%	15,087	15,084	-4	0.0%
9.9%	14,453	13,772	-674	-4.7%
11.1%	10,314	9,456	-857	-8.3%
12.3%	6,291	6,748	458	7.3%
13.6%	4,820	6,167	1,347	28.0%
14.8%	4,591	5,030	439	9.6%
16.0%	4,429	3,568	-861	-19.0%
17.3%	3,658	3,094	-564	-15.4%
18.5%	2,747	2,907	160	5.8%
19.8%	2,656	2,657	1	0.0%
21.0%	2,571	2,193	-378	-14.7%
22.2%	2,307	2,187	-121	-5.2%
23.5%	2,221	1,945	-276	-12.4%
24.7%	2,000	1,940	-60	-3.0%
25.9%	1,956	1,938	-18	-0.9%
27.2%	1,945	1,923	-23	-1.2%
28.4%	1,940	1,905	-35	-1.8%
29.6%	1,870	1,898	28	1.5%
30.9%	1,871	1,866	-5	-0.3%
32.1%	1,866	1,862	-3	-0.2%
33.3%	1,862	1,843	-19	-1.0%
34.6%	1,849	1,840	-9	-0.5%
35.8%	1,837	1,838	1	0.0%
37.0%	1,836	1,838	2	0.1%
38.3%	1,832	1,821	-10	-0.6%
39.5%	1,829	1,811	-18	-1.0%
40.7%	1,828	1,757	-71	-3.9%
42.0%	1,724	1,749	25	1.4%
43.2%	1,654	1,670	16	0.9%
44.4%	1,654	1,729	75	4.5%
45.7%	1,645	1,722	77	4.7%
46.9%	1,636	1,693	58	3.5%
48.1%	1,632	1,641	9	0.6%
49.4%	1,631	1,637	7	0.4%
50.6%	1,628	1,632	4	0.3%
51.9%	1,624	1,631	7	0.4%
53.1%	1,590	1,628	37	2.4%
54.3%	1,582	1,624	42	2.7%
55.6%	1,573	1,611	38	2.4%
56.8%	1,556	1,600	44	2.8%
58.0%	1,511	1,589	78	5.2%
59.3%	1,460	1,584	123	8.4%
60.5%	1,447	1,552	105	7.3%
61.7%	1,428	1,544	116	8.1%
63.0%	1,419	1,535	116	8.2%
64.2%	1,403	1,527	123	8.8%
65.4%	1,351	1,526	175	12.9%
66.7%	1,351	1,518	167	12.4%
67.9%	1,325	1,443	119	8.9%
69.1%	1,216	1,433	217	17.9%
70.4%	1,159	1,428	269	23.2%
71.6%	1,085	1,377	292	26.9%
72.8%	1,078	1,375	298	27.6%
74.1%	989	1,356	367	37.1%
75.3%	964	1,340	376	39.0%
76.5%	922	1,254	332	36.0%
77.8%	915	1,201	286	31.2%
79.0%	901	1,194	293	32.5%
80.2%	897	1,142	245	27.3%
81.5%	874	1,089	214	24.5%
82.7%	811	915	105	12.9%
84.0%	806	900	93	11.6%
85.2%	788	891	103	13.1%
86.4%	760	889	129	17.0%
87.7%	742	846	105	14.1%
88.9%	683	764	81	11.9%
90.1%	662	760	98	14.9%
91.4%	657	746	89	13.5%
92.6%	657	693	36	5.5%
93.8%	647	689	42	6.4%
95.1%	500	600	0	0.0%
96.3%	500	600	0	0.0%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%</				



Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	42,203	42,203	0	0.0%	
1.2%	32,715	32,707	-8	0.0%	
2.5%	32,419	32,419	0	0.0%	
3.7%	23,198	23,198	1	0.0%	
4.9%	16,274	22,672	-2	0.0%	
6.2%	22,020	22,016	-4	0.0%	
7.4%	21,197	21,197	0	0.0%	
8.6%	20,907	20,905	-2	0.0%	
9.9%	20,489	20,480	-9	0.0%	
11.1%	20,203	20,203	0	0.0%	
12.3%	20,103	20,104	1	0.0%	
13.6%	20,003	19,740	-263	-1.3%	
14.8%	19,622	19,619	-3	0.0%	
16.0%	18,618	18,619	1	0.0%	
17.3%	17,754	17,800	46	0.3%	
18.5%	17,612	17,612	0	0.0%	
19.8%	16,183	16,183	0	0.0%	
21.0%	16,182	16,182	0	0.0%	
22.2%	14,608	14,608	0	0.0%	
23.5%	14,402	14,402	0	0.0%	
24.7%	14,152	14,163	11	0.1%	
25.9%	12,577	12,436	-141	-1.1%	
27.2%	12,436	12,338	-98	-0.8%	
28.4%	12,338	12,279	-59	-0.5%	
29.6%	11,693	11,693	0	0.0%	
30.9%	10,506	10,504	-1	0.0%	
32.1%	10,251	9,590	-661	-6.4%	
33.3%	9,297	9,297	0	0.0%	
34.6%	8,992	9,263	272	3.0%	
35.8%	8,232	8,313	81	1.0%	
37.0%	7,856	8,234	378	4.8%	
38.3%	7,723	7,587	-136	-1.8%	
39.5%	7,586	7,469	-117	-1.5%	
40.7%	7,269	7,269	1	0.0%	
42.0%	7,131	7,130	-1	0.0%	
43.2%	6,865	6,865	0	0.0%	
44.4%	6,603	6,603	0	0.0%	
45.7%	6,472	6,472	0	0.0%	
46.9%	6,184	6,184	0	0.0%	
48.1%	6,189	6,170	-2	0.0%	
49.4%	6,037	6,037	0	0.0%	
50.6%	5,648	5,648	0	0.0%	
51.9%	5,591	5,591	0	0.0%	
53.1%	4,931	5,178	247	5.0%	
54.3%	4,749	4,934	185	3.9%	
55.6%	4,688	4,735	47	1.0%	
56.8%	4,363	4,463	100	2.3%	
58.0%	4,301	4,383	82	1.9%	
59.3%	3,961	3,962	1	0.0%	
60.5%	3,780	3,279	-501	-13.2%	
61.7%	3,279	3,271	-8	-0.3%	
63.0%	3,272	3,055	-217	-6.6%	
64.2%	2,354	2,351	-3	-0.1%	
65.4%	2,243	2,244	1	0.1%	
66.7%	2,233	1,978	-255	-11.4%	
67.9%	2,002	1,941	-61	-3.1%	
69.1%	1,976	1,938	-37	-1.9%	
70.4%	1,940	1,680	-260	-13.4%	
71.6%	1,714	1,682	-32	-1.9%	
72.8%	1,689	1,591	-97	-5.8%	
74.1%	1,570	1,570	0	0.0%	
75.3%	1,360	1,570	210	15.5%	
76.5%	1,329	1,319	-10	-0.8%	
77.8%	1,325	1,314	-11	-0.8%	
79.0%	1,314	1,308	-6	-0.5%	
80.2%	1,282	1,282	0	0.0%	
81.5%	1,269	1,269	0	0.0%	
82.7%	1,266	1,266	0	0.0%	
84.0%	1,156	1,188	31	2.7%	
85.2%	1,112	1,134	22	2.0%	
86.4%	1,062	1,114	52	4.9%	
87.7%	980	1,100	120	12.3%	
88.9%	964	1,093	128	13.3%	
90.1%	905	1,047	142	15.7%	
91.4%	761	1,028	267	35.0%	
92.6%	757	1,012	255	33.6%	
93.8%	708	854	146	20.6%	
95.1%	609	832	223	36.6%	
96.3%	635	758	123	19.3%	
97.5%	250	250	0	0.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	25,520	25,520	0	0.0%	
1.2%	24,488	24,488	0	0.0%	
2.5%	21,135	21,131	-4	0.0%	
3.7%	17,200	17,200	0	0.0%	
4.9%	16,829	16,829	0	0.0%	
6.2%	16,404	16,404	0	0.0%	
7.4%	15,533	15,533	0	0.0%	
8.6%	14,524	14,524	0	0.0%	
9.9%	12,805	12,809	4	0.0%	
11.1%	10,871	10,871	0	0.0%	
12.3%	10,506	10,506	0	0.0%	
13.6%	10,305	10,296	-8	-0.1%	
14.8%	10,202	10,201	-1	0.0%	
16.0%	10,051	10,051	0	0.0%	
17.3%	9,940	9,939	-1	0.0%	
18.5%	9,586	9,585	-1	0.0%	
19.8%	8,796	8,798	2	0.0%	
21.0%	8,415	8,415	0	0.0%	
22.2%	8,238	8,238	0	0.0%	
23.5%	8,180	8,180	0	0.0%	
24.7%	8,136	8,136	0	0.0%	
25.9%	8,029	8,031	2	0.0%	
27.2%	7,936	7,833	-103	-1.3%	
28.4%	7,615	7,609	-6	-0.1%	
29.6%	7,580	7,584	3	0.0%	
30.9%	6,430	6,425	-5	-0.1%	
32.1%	6,326	6,315	-11	-0.2%	
33.3%	6,271	6,271	-1	0.0%	
34.6%	6,126	6,126	0	0.0%	
35.8%	6,028	6,028	0	0.0%	
37.0%	5,977	5,975	-2	0.0%	
38.3%	5,883	5,930	47	0.8%	
39.5%	5,771	5,883	113	2.0%	
40.7%	4,863	4,863	0	0.0%	
42.0%	4,853	4,853	0	0.0%	
43.2%	4,598	4,598	0	0.0%	
44.4%	4,401	4,401	0	0.0%	
45.7%	4,399	4,399	0	0.0%	
46.9%	4,133	4,134	1	0.0%	
48.1%	4,018	4,018	0	0.0%	
49.4%	3,906	3,906	0	0.0%	
50.6%	3,833	3,833	0	0.0%	
51.9%	3,628	3,628	0	0.0%	
53.1%	3,378	3,380	2	0.1%	
54.3%	3,282	3,283	1	0.0%	
55.6%	2,798	2,760	-38	-1.4%	
56.8%	2,760	2,712	-47	-1.7%	
58.0%	2,731	2,695	-37	-1.3%	
59.3%	2,695	2,503	-192	-7.1%	
60.5%	2,558	2,449	-109	-4.3%	
61.7%	2,443	2,300	-143	-5.9%	
63.0%	2,300	2,275	-25	-1.1%	
64.2%	2,238	2,225	-13	-0.6%	
65.4%	2,226	2,209	-16	-0.7%	
66.7%	2,209	2,066	-144	-6.5%	
67.9%	1,632	1,633	1	0.1%	
69.1%	1,597	1,597	0	0.0%	
70.4%	1,587	1,587	0	0.0%	
71.6%	1,555	1,555	0	0.0%	
72.8%	1,551	1,552	1	0.1%	
74.1%	1,239	1,241	2	0.1%	
75.3%	1,042	1,124	82	7.9%	
76.5%	1,035	1,042	7	0.7%	
77.8%	951	951	0	0.0%	
79.0%	739	739	0	0.0%	
80.2%	710	686	-24	-3.4%	
81.5%	685	680	-5	-0.8%	
82.7%	680	677	-3	-0.4%	
84.0%	677	663	-15	-2.2%	
85.2%	663	656	-7	-1.0%	
86.4%	657	651	-6	-0.9%	
87.7%	656	650	-6	-1.0%	
88.9%	651	641	-9	-1.5%	
90.1%	642	638	-4	-0.6%	
91.4%	638	634	-4	-0.6%	
92.6%	615	615	0	0.0%	
93.8%	613	613	0	0.0%	
95.1%	603	597	-6	-1.0%	
96.3%	250	411	161	64.4%	
97.5%	250	250	0	0.0%	
98.8%	250	250	0	0.0%	
100.0%	250	250	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	20,737	20,731	-6	0.0%	
1.2%	19,388	19,388	0	0.0%	
2.5%	11,880	11,880	0	0.0%	
3.7%	10,987	10,983	-4	0.0%	
4.9%	10,960	10,960	0	0.0%	
6.2%	7,489	7,489	0	0.0%	
7.4%	6,496	6,496	0	0.0%	
8.6%	6,170	6,170	0	0.0%	
9.9%	5,959	5,959	0	0.0%	
11.1%	5,854	5,854	0	0.0%	
12.3%	5,506	5,506	0	0.0%	
13.6%	5,227	5,219	-8	-0.2%	
14.8%	4,798	4,798	0	0.0%	
16.0%	4,767	4,766	-1	0.0%	
17.3%	4,559	4,559	0	0.0%	
18.5%	3,849	3,849	0	0.0%	
19.8%	3,807	3,803	-4	-0.1%	
21.0%	3,803	3,798	-5	-0.1%	
22.2%	3,059	3,660	1	0.0%	
23.5%	3,445	3,469	24	0.7%	
24.7%	3,434	3,433	-1	0.0%	
25.9%	3,416	3,382	-34	-1.0%	
27.2%	3,282	3,283	1	0.0%	
28.4%	3,246	3,246	0	0.0%	
29.6%	3,143	3,013	-131	-4.2%	
30.9%	3,013	3,000	-13	-0.4%	
32.1%	3,000	3,000	0	0.0%	
33.3%	3,000	2,991	-9	-0.3%	
34.6%	3,000	2,965	-35	-1.2%	
35.8%	2,991	2,784	-207	-6.9%	
37.0%	2,907	2,758	-149	-5.1%	
38.3%	2,801	2,677	-125	-4.4%	
39.5%	2,759	2,652	-107	-3.9%	
40.7%	2,689	2,618	-70	-2.6%	
42.0%	2,676	2,531	-146	-5.4%	
43.2%	2,652	2,496	-156	-5.9%	
44.4%	2,530	2,075	-454	-18.0%	
45.7%	2,470	2,016	-455	-18.4%	
46.9%	2,224	1,897	-327	-14.7%	
48.1%	2,185	1,844	-341	-15.6%	
49.4%	1,932	1,823	-109	-5.6%	
50.6%	1,766	1,735	-30	-1.8%	
51.9%	1,685	1,610	-75	-4.5%	
53.1%	1,604	1,607	3	0.2%	
54.3%	1,591	1,591	0	0.0%	
55.6%	1,557	1,557	0	0.0%	
56.8%	1,473	1,219	-254	-17.3%	
58.0%	1,468	1,168	-300	-20.4%	
59.3%	1,299	1,108	-192	-14.8%	
60.5%	1,219	1,095	-124	-10.1%	
61.7%	1,168	1,059	-109	-9.3%	
63.0%	1,108	1,025	-83	-7.5%	
64.2%	1,095	1,006	-89	-8.2%	
65.4%	1,058	953	-104	-9.9%	
66.7%	1,026	949	-77	-7.5%	
67.9%	892	894	2	0.2%	
69.1%	821	859	37	4.5%	
70.4%	803	892	89	11.1%	
71.6%	787	821	33	4.3%	
72.8%	769	816	47	6.1%	
74.1%	738	812	73	9.9%	
75.3%	718	807	89	12.4%	
76.5%	711	804	93		

Table SW-47-b  
American River at Mouth, Monthly Flow  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	3,512	3,308	-204	-5.8%	
1.2%	3,000	3,285	285	9.5%	
2.5%	3,000	3,161	161	5.0%	
3.7%	2,313	3,125	812	35.1%	
4.9%	2,250	2,532	282	12.5%	
6.2%	2,241	2,404	163	7.3%	
7.4%	2,146	2,326	180	8.4%	
8.6%	2,095	1,908	-187	-8.9%	
9.9%	2,077	1,776	-301	-14.5%	
11.1%	2,033	1,735	-299	-14.7%	
12.3%	1,959	1,710	-249	-12.7%	
13.6%	1,957	1,575	-382	-19.5%	
14.8%	1,936	1,542	-393	-20.3%	
16.0%	1,788	1,550	-239	-14.8%	
17.3%	1,715	1,521	-193	-11.3%	
18.5%	1,654	1,514	-140	-8.5%	
19.8%	1,616	1,511	-105	-6.5%	
21.0%	1,607	1,511	-96	-6.0%	
22.2%	1,603	1,508	-95	-5.9%	
23.5%	1,573	1,488	-85	-5.4%	
24.7%	1,564	1,504	-60	-3.9%	
25.9%	1,534	1,504	-31	-2.0%	
27.2%	1,514	1,504	-10	-0.7%	
28.4%	1,511	1,502	-9	-0.6%	
29.6%	1,507	1,502	-5	-0.3%	
30.9%	1,504	1,502	-2	-0.1%	
32.1%	1,504	1,501	-2	-0.2%	
33.3%	1,504	1,500	-3	-0.2%	
34.6%	1,502	1,500	-2	-0.2%	
35.8%	1,502	1,499	-3	-0.2%	
37.0%	1,502	1,494	-8	-0.5%	
38.3%	1,501	1,479	-22	-1.5%	
39.5%	1,500	1,477	-23	-1.6%	
40.7%	1,499	1,477	-22	-1.5%	
42.0%	1,479	1,379	-100	-6.8%	
43.2%	1,477	1,352	-125	-8.5%	
44.4%	1,477	1,324	-153	-10.4%	
45.7%	1,446	1,322	-124	-8.6%	
46.9%	1,351	1,320	-31	-2.3%	
48.1%	1,351	1,319	-32	-2.4%	
49.4%	1,317	1,316	-1	0.0%	
50.6%	1,312	1,312	0	0.0%	
51.9%	1,300	1,313	12	1.0%	
53.1%	1,269	1,309	40	3.1%	
54.3%	1,163	1,302	139	12.0%	
55.6%	1,148	1,290	142	12.4%	
56.8%	1,122	1,285	163	14.6%	
58.0%	1,075	1,285	210	19.6%	
59.3%	1,044	1,281	236	22.6%	
60.5%	1,005	1,276	271	27.0%	
61.7%	989	1,248	259	26.2%	
63.0%	980	1,242	261	26.7%	
64.2%	972	1,213	240	24.7%	
65.4%	949	1,212	263	27.7%	
66.7%	926	1,159	233	25.2%	
67.9%	895	1,154	259	29.0%	
69.1%	879	1,148	277	31.8%	
70.4%	859	1,135	276	32.1%	
71.6%	857	1,130	274	31.9%	
72.8%	856	1,109	253	29.6%	
74.1%	849	1,077	228	26.9%	
75.3%	832	1,076	244	29.3%	
76.5%	806	1,042	236	29.3%	
77.8%	748	1,020	280	37.5%	
79.0%	720	1,026	306	42.5%	
80.2%	646	1,017	371	57.4%	
81.5%	634	975	340	53.7%	
82.7%	631	949	317	50.3%	
84.0%	596	932	336	56.4%	
85.2%	594	894	300	50.5%	
86.4%	581	893	313	53.8%	
87.7%	580	861	281	48.4%	
88.9%	570	821	252	44.2%	
90.1%	568	784	216	38.0%	
91.4%	565	743	183	32.5%	
92.6%	560	566	6	1.1%	
93.8%	439	503	64	14.5%	
95.1%	438	490	52	11.9%	
96.3%	422	450	28	6.6%	
97.5%	245	345	100	40.7%	
98.8%	235	266	31	13.1%	
100.0%	188	239	51	26.9%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	4,401	4,403	2	0.1%	
1.2%	4,399	4,351	-49	-1.1%	
2.5%	4,386	4,332	-54	-1.2%	
3.7%	4,385	4,332	-52	-1.2%	
4.9%	4,379	4,326	-53	-1.2%	
6.2%	4,377	3,953	-424	-9.7%	
7.4%	4,373	3,900	-474	-10.8%	
8.6%	4,360	3,805	-555	-12.5%	
9.9%	4,332	3,495	-837	-19.3%	
11.1%	4,332	3,485	-847	-19.5%	
12.3%	4,329	3,216	-1,113	-25.7%	
13.6%	4,210	3,174	-1,037	-24.6%	
14.8%	4,179	3,070	-1,109	-26.5%	
16.0%	4,144	2,737	-1,407	-33.9%	
17.3%	4,138	2,657	-1,481	-35.8%	
18.5%	3,990	2,584	-1,406	-35.2%	
19.8%	3,934	2,551	-1,383	-35.1%	
21.0%	3,926	2,442	-1,484	-37.8%	
22.2%	3,822	2,419	-1,403	-36.7%	
23.5%	3,718	2,330	-1,388	-37.2%	
24.7%	3,655	2,275	-1,380	-37.7%	
25.9%	3,576	2,200	-1,377	-38.5%	
27.2%	3,472	2,159	-1,313	-37.8%	
28.4%	3,435	2,089	-1,346	-39.2%	
29.6%	3,288	2,075	-1,213	-37.0%	
30.9%	3,184	2,017	-1,167	-36.7%	
32.1%	3,174	2,013	-1,161	-36.6%	
33.3%	3,154	1,820	-1,334	-42.3%	
34.6%	3,095	1,750	-1,345	-43.5%	
35.8%	2,960	1,750	-1,210	-40.9%	
37.0%	2,782	1,750	-1,032	-37.1%	
38.3%	2,774	1,750	-1,024	-36.9%	
39.5%	2,754	1,750	-1,004	-36.5%	
40.7%	2,754	1,750	-1,004	-36.4%	
42.0%	2,702	1,750	-952	-35.2%	
43.2%	2,626	1,650	-976	-37.2%	
44.4%	2,311	1,750	-561	-24.3%	
45.7%	2,260	1,750	-510	-22.6%	
46.9%	2,219	1,750	-469	-21.1%	
48.1%	2,207	1,750	-457	-20.7%	
49.4%	2,183	1,750	-433	-19.8%	
50.6%	2,143	1,750	-393	-18.3%	
51.9%	2,096	1,750	-346	-16.5%	
53.1%	2,093	1,750	-343	-16.4%	
54.3%	2,086	1,750	-336	-16.1%	
55.6%	2,062	1,750	-312	-15.1%	
56.8%	2,013	1,750	-263	-13.1%	
58.0%	1,970	1,750	-220	-11.2%	
59.3%	1,902	1,750	-152	-8.0%	
60.5%	1,893	1,750	-143	-7.5%	
61.7%	1,887	1,750	-137	-7.3%	
63.0%	1,791	1,750	-41	-2.3%	
64.2%	1,750	1,750	0	0.0%	
65.4%	1,750	1,750	0	0.0%	
66.7%	1,750	1,750	0	0.0%	
67.9%	1,750	1,750	0	0.0%	
69.1%	1,750	1,750	0	0.0%	
70.4%	1,750	1,727	-23	-1.3%	
71.6%	1,654	1,713	59	3.6%	
72.8%	1,592	1,681	88	5.6%	
74.1%	1,558	1,622	64	4.1%	
75.3%	1,553	1,570	16	1.1%	
76.5%	1,541	1,516	-25	-1.6%	
77.8%	1,504	1,425	-79	-5.2%	
79.0%	1,503	1,422	-80	-5.3%	
80.2%	1,503	1,359	-144	-9.6%	
81.5%	1,502	1,357	-144	-9.6%	
82.7%	1,501	1,319	-182	-12.1%	
84.0%	1,397	1,285	-112	-8.0%	
85.2%	1,393	1,188	-205	-14.7%	
86.4%	1,289	1,114	-176	-13.6%	
87.7%	907	870	-37	-4.1%	
88.9%	849	856	7	0.8%	
90.1%	814	840	26	3.2%	
91.4%	743	805	62	8.4%	
92.6%	560	709	149	26.6%	
93.8%	559	622	63	11.2%	
95.1%	446	617	171	38.4%	
96.3%	422	485	64	15.1%	
97.5%	263	435	173	65.8%	
98.8%	235	430	194	82.6%	
100.0%	240	203	-37	-15.4%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	2,793	2,044	-749	-26.8%	
1.2%	2,521	1,750	-771	-30.6%	
2.5%	2,118	1,750	-368	-17.4%	
3.7%	2,049	1,750	-299	-14.6%	
4.9%	1,781	1,750	-31	-1.8%	
6.2%	1,750	1,750	0	0.0%	
7.4%	1,750	1,738	-12	-0.7%	
8.6%	1,708	1,730	21	1.2%	
9.9%	1,575	1,718	143	9.1%	
11.1%	1,508	1,702	194	12.9%	
12.3%	1,507	1,683	177	11.7%	
13.6%	1,506	1,585	79	5.2%	
14.8%	1,505	1,503	-2	-0.1%	
16.0%	1,499	1,502	3	0.2%	
17.3%	1,497	1,499	1	0.1%	
18.5%	1,497	1,498	1	0.1%	
19.8%	1,493	1,493	0	0.0%	
21.0%	1,489	1,489	0	0.0%	
22.2%	1,488	1,488	0	0.0%	
23.5%	1,487	1,483	-4	-0.4%	
24.7%	1,487	1,481	-6	-0.4%	
25.9%	1,481	1,477	-4	-0.3%	
27.2%	1,480	1,458	-22	-1.5%	
28.4%	1,477	1,446	-31	-2.1%	
29.6%	1,477	1,425	-52	-3.5%	
30.9%	1,472	1,386	-86	-5.8%	
32.1%	1,448	1,359	-89	-6.1%	
33.3%	1,357	1,322	-35	-2.6%	
34.6%	1,336	1,306	-30	-2.2%	
35.8%	1,233	1,301	68	5.5%	
37.0%	1,186	1,291	105	8.8%	
38.3%	1,141	1,290	149	13.1%	
39.5%	1,139	1,288	149	13.1%	
40.7%	1,129	1,286	157	13.9%	
42.0%	1,127	1,268	140	12.5%	
43.2%	1,087	1,264	177	16.3%	
44.4%	1,068	1,256	189	17.7%	
45.7%	1,039	1,239	199	19.2%	
46.9%	1,027	1,237	210	20.5%	
48.1%	927	1,224	297	32.0%	
49.4%	921	1,183	262	28.4%	
50.6%	893	1,169	276	30.9%	
51.9%	877	1,165	289	32.9%	
53.1%	853	1,153	301	35.3%	
54.3%	845	1,148	303	35.8%	
55.6%	833	1,147	314	37.6%	
56.8%	825	1,130	305	36.9%	
58.0%	795	1,128	333	41.8%	
59.3%	783	1,103	320	40.9%	
60.5%	775	1,058	283	36.5%	
61.7%	762	1,051	289	37.9%	
63.0%	762	1,011	250	32.8%	
64.2%	741	978	237	32.0%	
65.4%	709	975	266	37.5%	
66.7%	696	921	226	32.5%	
67.9%	688	911	223	32.4%	
69.1%	686	911	224	32.7%	
70.4%	675	908	233	34.6%	
71.6%	651	898			

Figure SW-53-b  
 Sacramento River at Bend Bridge, Monthly Stage  
 Probability of Exceedance

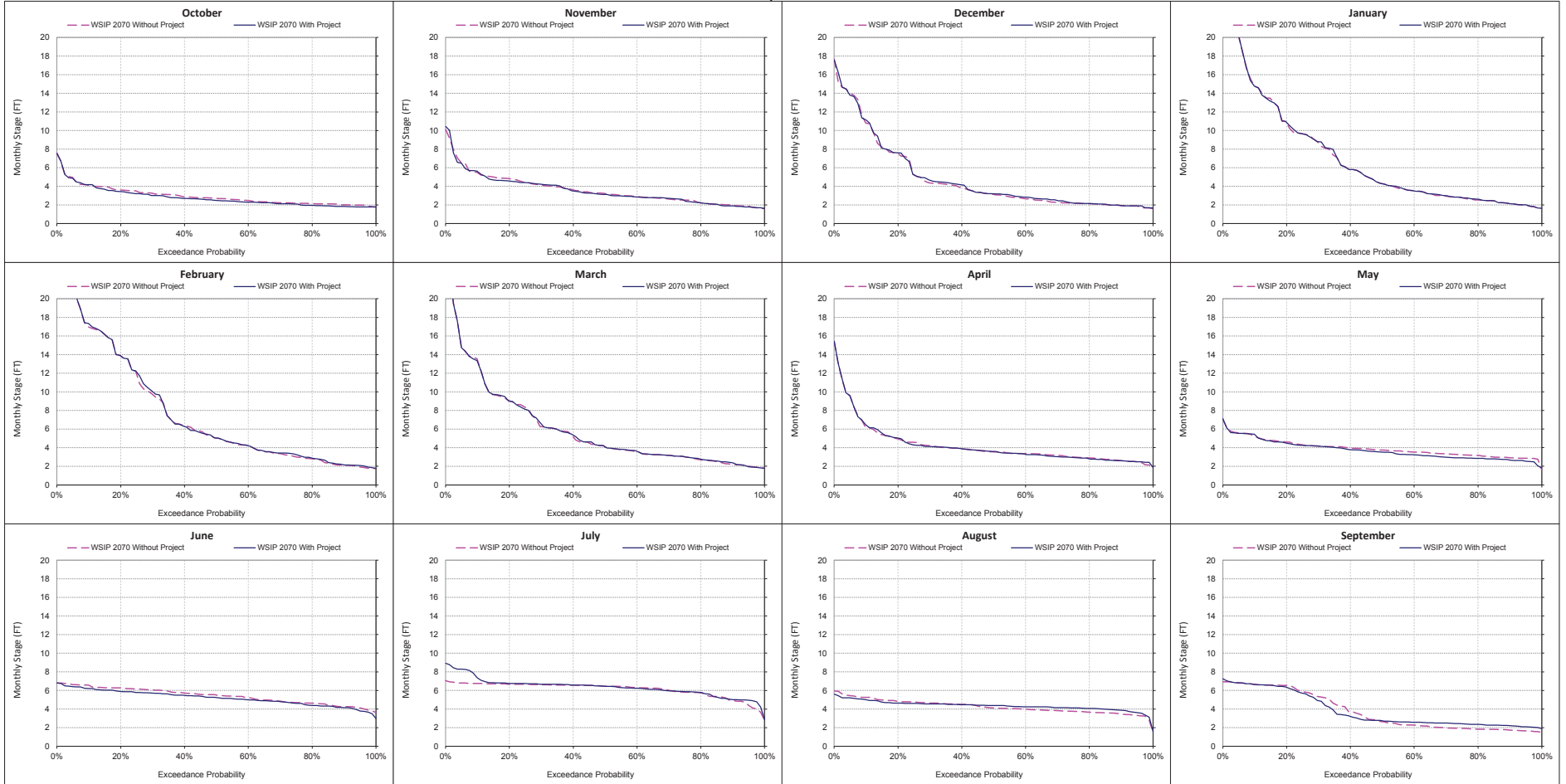


Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	8	8	0	-1.1%	
1.2%	7	7	0	0.0%	
2.5%	5	5	0	-0.9%	
3.7%	5	5	0	-2.6%	
4.9%	5	5	0	-1.7%	
6.2%	4	4	0	1.8%	
7.4%	4	4	0	4.0%	
8.6%	4	4	0	-0.3%	
9.9%	4	4	0	1.5%	
11.1%	4	4	0	4.1%	
12.3%	4	4	0	-3.6%	
13.6%	4	4	0	-5.8%	
14.8%	4	4	0	-6.6%	
16.0%	4	4	0	-9.5%	
17.3%	4	4	0	-5.2%	
18.5%	4	3	0	-3.9%	
19.8%	4	3	0	-4.3%	
21.0%	4	3	0	-4.6%	
22.2%	4	3	0	-6.8%	
23.5%	4	3	0	-7.1%	
24.7%	4	3	0	-8.4%	
25.9%	3	3	0	-3.9%	
27.2%	3	3	0	-4.7%	
28.4%	3	3	0	-4.5%	
29.6%	3	3	0	-8.0%	
30.9%	3	3	0	-4.7%	
32.1%	3	3	0	-4.9%	
33.3%	3	3	0	-4.5%	
34.6%	3	3	0	-8.3%	
35.8%	3	3	0	-10.4%	
37.0%	3	3	0	-10.3%	
38.3%	3	3	0	-7.7%	
39.5%	3	3	0	-6.8%	
40.7%	3	3	0	-5.6%	
42.0%	3	3	0	-5.9%	
43.2%	3	3	0	-7.1%	
44.4%	3	3	0	-5.0%	
45.7%	3	3	0	-5.6%	
46.9%	3	3	0	-7.8%	
48.1%	3	3	0	-7.3%	
49.4%	3	3	0	-8.7%	
50.6%	3	2	0	-7.5%	
51.9%	3	2	0	-8.5%	
53.1%	3	2	0	-8.0%	
54.3%	3	2	0	-7.1%	
55.6%	3	2	0	-7.0%	
56.8%	3	2	0	-8.4%	
58.0%	2	2	0	-7.3%	
59.3%	2	2	0	-7.7%	
60.5%	2	2	0	-6.2%	
61.7%	2	2	0	-3.8%	
63.0%	2	2	0	-3.5%	
64.2%	2	2	0	-3.3%	
65.4%	2	2	0	-3.3%	
66.7%	2	2	0	-3.3%	
67.9%	2	2	0	-3.1%	
69.1%	2	2	0	-4.7%	
70.4%	2	2	0	-4.7%	
71.6%	2	2	0	-4.8%	
72.8%	2	2	0	-4.9%	
74.1%	2	2	0	-4.7%	
75.3%	2	2	0	-4.8%	
76.5%	2	2	0	-9.2%	
77.8%	2	2	0	-9.6%	
79.0%	2	2	0	-9.8%	
80.2%	2	2	0	-9.4%	
81.5%	2	2	0	-8.6%	
82.7%	2	2	0	-8.6%	
84.0%	2	2	0	-10.0%	
85.2%	2	2	0	-10.5%	
86.4%	2	2	0	-11.3%	
87.7%	2	2	0	-11.2%	
88.9%	2	2	0	-8.2%	
90.1%	2	2	0	-8.8%	
91.4%	2	2	0	-9.5%	
92.6%	2	2	0	-8.2%	
93.8%	2	2	0	-8.9%	
95.1%	2	2	0	-9.1%	
96.3%	2	2	0	-9.5%	
97.5%	2	2	0	-5.9%	
98.8%	2	2	0	0.6%	
100.0%	2	2	0	0.3%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	10	10	0	3.3%	
1.2%	9	10	1	9.3%	
2.5%	8	9	0	-4.2%	
3.7%	7	7	0	-6.6%	
4.9%	7	6	0	-0.8%	
6.2%	6	6	-1	-8.5%	
7.4%	6	6	0	0.9%	
8.6%	6	6	0	1.6%	
9.9%	5	6	0	2.6%	
11.1%	5	5	0	1.6%	
12.3%	5	5	0	-1.0%	
13.6%	5	5	0	-5.7%	
14.8%	5	5	0	-6.3%	
16.0%	5	5	0	-5.8%	
17.3%	5	5	0	-5.0%	
18.5%	5	5	0	-5.7%	
19.8%	5	5	0	-5.0%	
21.0%	5	5	0	-5.6%	
22.2%	5	5	0	-4.1%	
23.5%	5	4	0	-3.0%	
24.7%	4	4	0	-0.1%	
25.9%	4	4	0	-0.9%	
27.2%	4	4	0	1.5%	
28.4%	4	4	0	1.1%	
29.6%	4	4	0	1.6%	
30.9%	4	4	0	2.4%	
32.1%	4	4	0	2.9%	
33.3%	4	4	0	2.8%	
34.6%	4	4	0	4.3%	
35.8%	4	4	0	2.9%	
37.0%	4	4	0	-1.7%	
38.3%	4	4	0	-1.2%	
39.5%	4	4	0	-4.0%	
40.7%	4	3	0	-2.0%	
42.0%	4	3	0	-3.6%	
43.2%	3	3	0	-3.5%	
44.4%	3	3	0	-3.9%	
45.7%	3	3	0	-1.4%	
46.9%	3	3	0	-2.4%	
48.1%	3	3	0	-3.2%	
49.4%	3	3	0	-3.8%	
50.6%	3	3	0	-1.8%	
51.9%	3	3	0	-3.9%	
53.1%	3	3	0	-4.2%	
54.3%	3	3	0	-2.5%	
55.6%	3	3	0	-1.7%	
56.8%	3	3	0	-1.6%	
58.0%	3	3	0	-1.5%	
59.3%	3	3	0	-1.7%	
60.5%	3	3	0	-1.8%	
61.7%	3	3	0	-1.1%	
63.0%	3	3	0	-0.5%	
64.2%	3	3	0	0.3%	
65.4%	3	3	0	0.7%	
66.7%	3	3	0	2.0%	
67.9%	3	3	0	2.2%	
69.1%	3	3	0	1.9%	
70.4%	3	3	0	2.8%	
71.6%	3	3	0	4.1%	
72.8%	3	3	0	3.8%	
74.1%	3	3	0	3.4%	
75.3%	3	2	0	-6.0%	
76.5%	3	2	0	-6.0%	
77.8%	2	2	0	-7.2%	
79.0%	2	2	0	0.1%	
80.2%	2	2	0	-0.1%	
81.5%	2	2	0	-1.9%	
82.7%	2	2	0	1.7%	
84.0%	2	2	0	0.5%	
85.2%	2	2	0	0.5%	
86.4%	2	2	0	-6.5%	
87.7%	2	2	0	-6.2%	
88.9%	2	2	0	-5.6%	
90.1%	2	2	0	-2.7%	
91.4%	2	2	0	-3.9%	
92.6%	2	2	0	-2.9%	
93.8%	2	2	0	-4.2%	
95.1%	2	2	0	-4.0%	
96.3%	2	2	0	2.5%	
97.5%	2	2	0	0.6%	
98.8%	2	2	0	3.1%	
100.0%	2	2	0	0.6%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	18	18	0	-0.6%	
1.2%	15	16	1	6.6%	
2.5%	15	15	0	0.0%	
3.7%	14	14	0	0.0%	
4.9%	14	14	0	-1.7%	
6.2%	14	14	0	-1.0%	
7.4%	13	13	0	-3.0%	
8.6%	12	11	0	-2.6%	
9.9%	11	11	0	3.2%	
11.1%	11	11	0	0.9%	
12.3%	10	10	0	0.0%	
13.6%	9	9	1	9.2%	
14.8%	8	8	0	-1.6%	
16.0%	8	8	0	-1.1%	
17.3%	8	8	0	2.6%	
18.5%	8	8	0	0.0%	
19.8%	8	8	0	0.1%	
21.0%	7	8	0	4.7%	
22.2%	7	7	0	-3.0%	
23.5%	7	7	0	-4.7%	
24.7%	5	5	0	0.0%	
25.9%	5	5	0	0.0%	
27.2%	5	5	0	0.0%	
28.4%	5	5	0	8.0%	
29.6%	4	5	0	7.3%	
30.9%	4	5	0	5.2%	
32.1%	4	5	0	4.1%	
33.3%	4	4	0	3.7%	
34.6%	4	4	0	4.8%	
35.8%	4	4	0	4.7%	
37.0%	4	4	0	4.0%	
38.3%	4	4	0	4.8%	
39.5%	4	4	0	8.1%	
40.7%	4	4	0	9.7%	
42.0%	4	4	0	0.1%	
43.2%	4	4	0	0.0%	
44.4%	3	3	0	0.0%	
45.7%	3	3	0	0.0%	
46.9%	3	3	0	1.0%	
48.1%	3	3	0	0.0%	
49.4%	3	3	0	0.7%	
50.6%	3	3	0	3.4%	
51.9%	3	3	0	3.4%	
53.1%	3	3	0	2.8%	
54.3%	3	3	0	7.2%	
55.6%	3	3	0	7.4%	
56.8%	3	3	0	3.7%	
58.0%	3	3	0	4.3%	
59.3%	3	3	0	5.9%	
60.5%	3	3	0	6.8%	
61.7%	3	3	0	4.9%	
63.0%	3	3	0	6.7%	
64.2%	3	3	0	5.8%	
65.4%	3	3	0	6.9%	
66.7%	2	3	0	8.9%	
67.9%	2	3	0	10.5%	
69.1%	2	3	0	10.9%	
70.4%	2	3	0	7.8%	
71.6%	2	2	0	9.1%	
72.8%	2	2	0	4.0%	
74.1%	2	2	0	1.7%	
75.3%	2	2	0	0.1%	
76.5%	2	2	0	0.5%	
77.8%	2	2	0	0.0%	
79.0%	2	2	0	0.3%	
80.2%	2	2	0	1.4%	
81.5%	2	2	0	0.2%	
82.7%	2	2	0	-0.1%	
84.0%	2	2	0	2.5%	
85.2%	2	2	0	0.5%	
86.4%	2	2	0	-0.1%	
87.7%	2	2	0	-0.2%	
88.9%	2	2	0	-0.1%	
90.1%	2	2	0	0.0%	
91.4%	2	2	0	-0.1%	
92.6%	2	2	0	-0.4%	
93.8%	2	2	0	0.4%	
95.1%	2	2	0	0.6%	
96.3%	2	2	0	12.3%	
97.5%	2	2	0	0.4%	
98.8%	2	2	0	1.0%	
100.0%	2	2	0	5.0%	

January					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	24	24	0	0.0%	
1.2%	22	22	0	0.0%	
2.5%	22	22	0	0.0%	
3.7%	21	21	0	0.0%	
4.9%	20	20	0	1.1%	
6.2%	18	18	0	0.0%	
7.4%	17	17	0	0.9%	
8.6%	16	15	0	-1.5%	
9.9%	15	15	0	0.0%	
11.1%	15	15	0	0.0%	
12.3%	14	14	0	-1.3%	
13.6%	13	13	0	0.0%	
14.8%	13	13	0	-2.3%	
16.0%	13	13	0	-0.3%	
17.3%	13	13	0	0.0%	
18.5%	11	11	0	0.6%	
19.8%	11	11	0	0.0%	
21.0%	10	11	0	3.1%	
22.2%	10	10	0	3.4%	
23.5%	10	10	0		

Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	26	26	0	0.0%	
1.2%	26	26	0	0.0%	
2.5%	21	21	0	0.0%	
3.7%	21	21	0	1.0%	
4.9%	21	21	0	0.0%	
6.2%	20	20	0	0.0%	
7.4%	19	19	0	0.0%	
8.6%	17	17	0	0.0%	
9.9%	17	17	0	2.1%	
11.1%	17	17	0	1.0%	
12.3%	17	17	0	0.7%	
13.6%	17	17	0	-0.2%	
14.8%	16	16	0	0.0%	
16.0%	16	16	0	0.0%	
17.3%	16	16	0	0.0%	
18.5%	14	14	0	0.0%	
19.8%	14	14	0	0.0%	
21.0%	14	14	0	0.0%	
22.2%	14	14	0	0.0%	
23.5%	12	12	0	0.2%	
24.7%	12	12	0	0.0%	
25.9%	11	12	1	7.8%	
27.2%	10	11	1	5.3%	
28.4%	10	10	0	3.5%	
29.6%	10	10	0	3.0%	
30.9%	9	10	0	3.1%	
32.1%	9	10	0	4.5%	
33.3%	9	9	0	-0.5%	
34.6%	7	7	0	0.0%	
35.8%	7	7	0	0.0%	
37.0%	7	7	0	-1.2%	
38.3%	7	7	0	0.0%	
39.5%	6	6	0	-1.3%	
40.7%	6	6	0	-2.1%	
42.0%	6	6	0	-5.5%	
43.2%	6	6	0	0.2%	
44.4%	6	6	0	-2.8%	
45.7%	6	6	0	-2.4%	
46.9%	5	5	0	1.6%	
48.1%	5	5	0	1.1%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	6.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.0%	
55.6%	4	5	0	1.2%	
56.8%	4	4	0	3.0%	
58.0%	4	4	0	0.6%	
59.3%	4	4	0	0.0%	
60.5%	4	4	0	0.0%	
61.7%	4	4	0	0.0%	
63.0%	4	4	0	-0.1%	
64.2%	4	4	0	0.0%	
65.4%	4	4	0	0.0%	
66.7%	4	4	0	0.0%	
67.9%	3	3	0	2.3%	
69.1%	3	3	0	1.2%	
70.4%	3	3	0	2.3%	
71.6%	3	3	0	6.2%	
72.8%	3	3	0	5.9%	
74.1%	3	3	0	8.4%	
75.3%	3	3	0	7.9%	
76.5%	3	3	0	4.1%	
77.8%	3	3	0	4.7%	
79.0%	3	3	0	4.3%	
80.2%	3	3	0	2.0%	
81.5%	3	3	0	1.7%	
82.7%	3	3	0	3.0%	
84.0%	2	3	0	11.4%	
85.2%	2	2	0	2.4%	
86.4%	2	2	0	4.0%	
87.7%	2	2	0	5.2%	
88.9%	2	2	0	4.5%	
90.1%	2	2	0	1.3%	
91.4%	2	2	0	-9.2%	
92.6%	2	2	0	1.0%	
93.8%	2	2	0	4.4%	
95.1%	2	2	0	9.0%	
96.3%	2	2	0	8.1%	
97.5%	2	2	0	7.0%	
98.8%	2	2	0	5.4%	
100.0%	2	2	0	0.2%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	25	25	0	0.0%	
1.2%	23	23	0	0.0%	
2.5%	19	19	0	0.0%	
3.7%	18	18	0	0.0%	
4.9%	15	15	0	-0.7%	
6.2%	14	14	0	0.0%	
7.4%	14	14	0	0.0%	
8.6%	14	14	0	-1.6%	
9.9%	14	13	0	-1.4%	
11.1%	12	12	0	0.0%	
12.3%	11	11	0	0.0%	
13.6%	10	10	0	0.0%	
14.8%	10	10	0	0.4%	
16.0%	10	10	0	0.8%	
17.3%	5	10	0	1.3%	
18.5%	9	10	0	1.8%	
19.8%	9	9	0	-0.5%	
21.0%	9	9	0	0.5%	
22.2%	9	9	0	-0.1%	
23.5%	8	8	0	-2.7%	
24.7%	8	8	0	-2.9%	
25.9%	8	8	0	-1.7%	
27.2%	7	7	0	0.0%	
28.4%	7	7	0	1.4%	
29.6%	6	7	0	7.0%	
30.9%	6	6	0	0.0%	
32.1%	6	6	0	0.0%	
33.3%	6	6	0	0.0%	
34.6%	6	6	0	0.0%	
35.8%	6	6	0	0.0%	
37.0%	6	6	0	-1.4%	
38.3%	6	6	0	-1.7%	
39.5%	5	5	0	0.9%	
40.7%	5	5	0	7.6%	
42.0%	5	5	0	4.3%	
43.2%	5	5	0	0.1%	
44.4%	5	5	0	0.9%	
45.7%	4	5	0	6.0%	
46.9%	4	4	0	-0.1%	
48.1%	4	4	0	0.0%	
49.4%	4	4	0	0.0%	
50.6%	4	4	0	0.0%	
51.9%	4	4	0	0.0%	
53.1%	4	4	0	0.0%	
54.3%	4	4	0	-0.1%	
55.6%	4	4	0	1.2%	
56.8%	4	4	0	1.3%	
58.0%	4	4	0	0.6%	
59.3%	4	4	0	2.8%	
60.5%	4	4	0	-0.1%	
61.7%	3	3	0	1.1%	
63.0%	3	3	0	1.9%	
64.2%	3	3	0	0.8%	
65.4%	3	3	0	0.0%	
66.7%	3	3	0	0.0%	
67.9%	3	3	0	0.0%	
69.1%	3	3	0	0.1%	
70.4%	3	3	0	0.0%	
71.6%	3	3	0	0.0%	
72.8%	3	3	0	0.0%	
74.1%	3	3	0	0.0%	
75.3%	3	3	0	0.0%	
76.5%	3	3	0	0.1%	
77.8%	3	3	0	1.3%	
79.0%	3	3	0	4.0%	
80.2%	3	3	0	2.0%	
81.5%	3	3	0	1.8%	
82.7%	3	3	0	1.5%	
84.0%	3	3	0	1.0%	
85.2%	3	3	0	3.5%	
86.4%	3	3	0	4.0%	
87.7%	2	2	0	8.9%	
88.9%	2	2	0	7.8%	
90.1%	2	2	0	8.2%	
91.4%	2	2	0	0.8%	
92.6%	2	2	0	-0.9%	
93.8%	2	2	0	-3.3%	
95.1%	2	2	0	-3.0%	
96.3%	2	2	0	-1.9%	
97.5%	2	2	0	-1.1%	
98.8%	2	2	0	0.5%	
100.0%	2	2	0	0.1%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	15	15	0	0.0%	
1.2%	13	13	0	0.0%	
2.5%	11	11	0	0.0%	
3.7%	10	10	0	0.0%	
4.9%	10	10	0	0.0%	
6.2%	8	8	0	0.0%	
7.4%	7	7	0	-1.2%	
8.6%	7	7	0	0.0%	
9.9%	6	6	0	4.8%	
11.1%	6	6	0	0.1%	
12.3%	6	6	0	3.4%	
13.6%	6	6	0	6.2%	
14.8%	5	6	0	3.6%	
16.0%	5	5	0	-0.1%	
17.3%	5	5	0	1.0%	
18.5%	5	5	0	0.7%	
19.8%	5	5	0	2.0%	
21.0%	5	5	0	2.6%	
22.2%	5	5	0	0.0%	
23.5%	4	4	0	-3.9%	
24.7%	5	4	0	-5.9%	
25.9%	4	4	0	-6.4%	
27.2%	4	4	0	-1.4%	
28.4%	4	4	0	-2.8%	
29.6%	4	4	0	-1.8%	
30.9%	4	4	0	-1.7%	
32.1%	4	4	0	-0.9%	
33.3%	4	4	0	0.9%	
34.6%	4	4	0	1.3%	
35.8%	4	4	0	0.6%	
37.0%	4	4	0	0.5%	
38.3%	4	4	0	0.8%	
39.5%	4	4	0	0.7%	
40.7%	4	4	0	0.1%	
42.0%	4	4	0	-1.2%	
43.2%	4	4	0	-0.3%	
44.4%	4	4	0	0.0%	
45.7%	4	4	0	1.1%	
46.9%	4	4	0	2.1%	
48.1%	4	4	0	1.3%	
49.4%	4	4	0	1.1%	
50.6%	4	4	0	1.6%	
51.9%	4	3	0	-0.9%	
53.1%	4	3	0	-2.9%	
54.3%	3	3	0	-0.2%	
55.6%	3	3	0	0.5%	
56.8%	3	3	0	0.6%	
58.0%	3	3	0	0.2%	
59.3%	3	3	0	-1.1%	
60.5%	3	3	0	-3.0%	
61.7%	3	3	0	-2.7%	
63.0%	3	3	0	-3.0%	
64.2%	3	3	0	-3.3%	
65.4%	3	3	0	-3.8%	
66.7%	3	3	0	-4.0%	
67.9%	3	3	0	-3.6%	
69.1%	3	3	0	-4.9%	
70.4%	3	3	0	-4.8%	
71.6%	3	3	0	-4.4%	
72.8%	3	3	0	-1.7%	
74.1%	3	3	0	-2.3%	
75.3%	3	3	0	-1.7%	
76.5%	3	3	0	-1.7%	
77.8%	3	3	0	-1.7%	
79.0%	3	3	0	-1.4%	
80.2%	3	3	0	-4.4%	
81.5%	3	3	0	-4.0%	
82.7%	3	3	0	-2.5%	
84.0%	3	3	0	-2.2%	
85.2%	3	3	0	-3.2%	
86.4%	3	3	0	-3.4%	
87.7%	3	3	0	-2.6%	
88.9%	3	3	0	-1.6%	
90.1%	3	3	0	0.0%	
91.4%	3	3	0	0.4%	
92.6%	3	3	0	-0.7%	
93.8%	3	3	0	-0.5%	
95.1%	2	2	0	0.4%	
96.3%	2	2	0	2.7%	
97.5%	2	2	0	12.2%	
98.8%	2	2	0	13.4%	
100.0%	2	2	0	0.3%	

May					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.6%	
1.2%	6	6	0	0.0%	
2.5%	6	6	0	-2.5%	
3.7%	6	6	0	-0.7%	
4.9%	6	6	0	-0.9%	
6.2%	6	6	0	0.0%	
7.4%	5	5	0	-0.8%	
8.6%	5	5	0	0.8%	
9.9%	5	5	0	4.5%	
11.1%	5	5	0	-1.0%	
12.3%	5	5	0	-0.1%	
13.6%	5	5	0	-1.3%	
14.8%	5	5	0	-0.9%	
16.0%	5	5	0	-2.9%	
17.3%	5	5	0	-1.3%	
18.5%	5	5	0	-2.0%	
19.8%	5	5	0	-2.1%	
21.0%	5	4	0	-4.0%	
22.2%	4	4	0	-2.0%	
23.5					

Table SW-53-b  
Sacramento River at Bend Bridge, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	-0.7%	
2.5%	7	6	0	-3.9%	
3.7%	7	6	0	-4.4%	
4.9%	7	6	0	-3.2%	
6.2%	7	6	0	-3.8%	
7.4%	7	6	0	-3.3%	
8.6%	7	6	0	-5.2%	
9.9%	7	6	0	-5.8%	
11.1%	6	6	0	-2.7%	
12.3%	6	6	0	-4.0%	
13.6%	6	6	0	-3.9%	
14.8%	6	6	0	-4.0%	
16.0%	6	6	0	-4.0%	
17.3%	6	6	0	-4.0%	
18.5%	6	6	0	-5.2%	
19.8%	6	6	0	-6.0%	
21.0%	6	6	0	-6.0%	
22.2%	6	6	0	-5.4%	
23.5%	6	6	0	-5.8%	
24.7%	6	6	0	-6.0%	
25.9%	6	6	0	-6.0%	
27.2%	6	6	0	-6.1%	
28.4%	6	6	0	-5.6%	
29.6%	6	6	0	-5.5%	
30.9%	6	6	0	-5.6%	
32.1%	6	6	0	-5.6%	
33.3%	6	6	0	-5.8%	
34.6%	6	6	0	-5.2%	
35.8%	6	6	0	-4.7%	
37.0%	6	5	0	-4.9%	
38.3%	6	5	0	-4.8%	
39.5%	6	5	0	-4.3%	
40.7%	6	5	0	-4.3%	
42.0%	6	5	0	-4.4%	
43.2%	6	5	0	-4.5%	
44.4%	6	5	0	-3.5%	
45.7%	6	5	0	-3.5%	
46.9%	6	5	0	-5.2%	
48.1%	6	5	0	-5.3%	
49.4%	6	5	0	-5.3%	
50.6%	6	5	0	-4.4%	
51.9%	5	5	0	-5.2%	
53.1%	5	5	0	-4.6%	
54.3%	5	5	0	-4.5%	
55.6%	5	5	0	-4.8%	
56.8%	5	5	0	-5.4%	
58.0%	5	5	0	-5.5%	
59.3%	5	5	0	-3.6%	
60.5%	5	5	0	-4.7%	
61.7%	5	5	0	-2.7%	
63.0%	5	5	0	-1.9%	
64.2%	5	5	0	-1.8%	
65.4%	5	5	0	-1.8%	
66.7%	5	5	0	-1.9%	
67.9%	5	5	0	-1.7%	
69.1%	5	5	0	-0.9%	
70.4%	5	5	0	-1.2%	
71.6%	5	5	0	0.1%	
72.8%	5	5	0	-0.7%	
74.1%	5	5	0	-1.3%	
75.3%	5	5	0	-2.1%	
76.5%	5	5	0	-2.1%	
77.8%	5	4	0	-4.0%	
79.0%	5	4	0	-4.9%	
80.2%	5	4	0	-5.5%	
81.5%	5	4	0	-4.8%	
82.7%	5	4	0	-5.1%	
84.0%	5	4	0	-5.1%	
85.2%	4	4	0	-1.5%	
86.4%	4	4	0	-1.7%	
87.7%	4	4	0	-2.4%	
88.9%	4	4	0	-2.2%	
90.1%	4	4	0	-2.7%	
91.4%	4	4	0	-2.7%	
92.6%	4	4	0	-4.5%	
93.8%	4	4	0	-5.0%	
95.1%	4	4	0	-8.5%	
96.3%	4	4	0	-6.0%	
97.5%	4	4	0	-5.4%	
98.8%	4	3	0	-8.6%	
100.0%	4	3	-1	-17.5%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	9	2	26.7%	
1.2%	7	9	2	26.8%	
2.5%	7	8	2	22.5%	
3.7%	7	8	1	22.0%	
4.9%	7	8	1	22.0%	
6.2%	7	8	1	21.4%	
7.4%	7	8	1	20.8%	
8.6%	7	8	1	16.9%	
9.9%	7	7	1	9.4%	
11.1%	7	7	0	5.1%	
12.3%	7	7	0	3.1%	
13.6%	7	7	0	1.9%	
14.8%	7	7	0	1.9%	
16.0%	7	7	0	1.4%	
17.3%	7	7	0	1.4%	
18.5%	7	7	0	1.4%	
19.8%	7	7	0	1.2%	
21.0%	7	7	0	1.2%	
22.2%	7	7	0	1.2%	
23.5%	7	7	0	1.1%	
24.7%	7	7	0	1.2%	
25.9%	7	7	0	0.7%	
27.2%	7	7	0	1.3%	
28.4%	7	7	0	1.3%	
29.6%	7	7	0	0.8%	
30.9%	7	7	0	0.8%	
32.1%	7	7	0	0.8%	
33.3%	7	7	0	1.3%	
34.6%	7	7	0	1.3%	
35.8%	7	7	0	1.3%	
37.0%	7	7	0	0.7%	
38.3%	7	7	0	0.7%	
39.5%	7	7	0	0.1%	
40.7%	7	7	0	0.1%	
42.0%	7	7	0	0.5%	
43.2%	7	7	0	0.5%	
44.4%	7	7	0	0.0%	
45.7%	7	7	0	0.0%	
46.9%	7	6	0	-0.7%	
48.1%	6	6	0	0.0%	
49.4%	6	6	0	0.1%	
50.6%	6	6	0	0.0%	
51.9%	6	6	0	0.0%	
53.1%	6	6	0	-0.6%	
54.3%	6	6	0	-1.8%	
55.6%	6	6	0	-2.0%	
56.8%	6	6	0	-2.0%	
58.0%	6	6	0	-0.9%	
59.3%	6	6	0	-1.3%	
60.5%	6	6	0	-0.7%	
61.7%	6	6	0	-1.3%	
63.0%	6	6	0	-2.1%	
64.2%	6	6	0	-2.1%	
65.4%	6	6	0	-2.1%	
66.7%	6	6	0	-2.2%	
67.9%	6	6	0	-1.9%	
69.1%	6	6	0	-1.9%	
70.4%	6	6	0	-0.6%	
71.6%	6	6	0	0.8%	
72.8%	6	6	0	0.8%	
74.1%	6	6	0	1.4%	
75.3%	6	6	0	0.8%	
76.5%	6	6	0	0.7%	
77.8%	6	6	0	0.7%	
79.0%	6	6	0	0.6%	
80.2%	6	6	0	0.6%	
81.5%	6	6	0	1.6%	
82.7%	5	6	0	4.5%	
84.0%	5	5	0	0.0%	
85.2%	5	5	0	1.9%	
86.4%	5	5	0	-2.7%	
87.7%	5	5	0	-1.1%	
88.9%	5	5	0	1.9%	
90.1%	5	5	0	2.0%	
91.4%	5	5	0	3.5%	
92.6%	3	5	0	2.5%	
93.8%	5	5	0	4.8%	
95.1%	4	5	1	13.4%	
96.3%	4	5	1	18.9%	
97.5%	4	5	1	18.5%	
98.8%	4	4	1	14.8%	
100.0%	3	3	0	1.7%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	6	6	0	-5.8%	
1.2%	6	5	0	-7.7%	
2.5%	6	5	0	-7.5%	
3.7%	5	5	0	-5.3%	
4.9%	5	5	0	-4.4%	
6.2%	5	5	0	-4.4%	
7.4%	5	5	0	-3.5%	
8.6%	5	5	0	-3.7%	
9.9%	5	5	0	-4.6%	
11.1%	5	5	0	-6.2%	
12.3%	5	5	0	-4.5%	
13.6%	5	5	0	-2.8%	
14.8%	5	5	0	-4.7%	
16.0%	5	5	0	-5.3%	
17.3%	5	5	0	-4.7%	
18.5%	5	5	0	-5.8%	
19.8%	5	5	0	-4.1%	
21.0%	5	5	0	-3.0%	
22.2%	5	5	0	-3.7%	
23.5%	5	5	0	-3.7%	
24.7%	5	5	0	-3.7%	
25.9%	5	5	0	-3.0%	
27.2%	5	5	0	-2.2%	
28.4%	5	5	0	-2.8%	
29.6%	5	5	0	-1.7%	
30.9%	5	5	0	-1.7%	
32.1%	5	5	0	-1.7%	
33.3%	5	5	0	-1.0%	
34.6%	5	5	0	-0.1%	
35.8%	5	5	0	-1.0%	
37.0%	5	5	0	-1.1%	
38.3%	5	5	0	-0.1%	
39.5%	5	4	0	-1.1%	
40.7%	4	4	0	-1.1%	
42.0%	4	4	0	0.0%	
43.2%	4	4	0	0.0%	
44.4%	4	4	0	0.9%	
45.7%	4	4	0	3.8%	
46.9%	4	4	0	4.5%	
48.1%	4	4	0	5.2%	
49.4%	4	4	0	6.3%	
50.6%	4	4	0	6.4%	
51.9%	4	4	0	7.0%	
53.1%	4	4	0	7.3%	
54.3%	4	4	0	6.3%	
55.6%	4	4	0	6.0%	
56.8%	4	4	0	5.8%	
58.0%	4	4	0	5.8%	
59.3%	4	4	0	6.9%	
60.5%	4	4	0	6.9%	
61.7%	4	4	0	8.1%	
63.0%	4	4	0	8.1%	
64.2%	4	4	0	8.6%	
65.4%	4	4	0	8.8%	
66.7%	4	4	0	9.7%	
67.9%	4	4	0	9.4%	
69.1%	4	4	0	8.1%	
70.4%	4	4	0	8.7%	
71.6%	4	4	0	9.1%	
72.8%	4	4	0	9.7%	
74.1%	4	4	0	9.6%	
75.3%	4	4	0	9.8%	
76.5%	4	4	0	9.9%	
77.8%	4	4	0	9.8%	
79.0%	4	4	0	10.8%	
80.2%	4	4	0	11.3%	
81.5%	4	4	0	11.9%	
82.7%	4	4	0	11.3%	
84.0%	4	4	0	11.3%	
85.2%	4	4	0	10.4%	
86.4%	4	4	0	10.1%	
87.7%	4	4	0	10.3%	
88.9%	4	4	0	10.4%	
90.1%	3	4	0	11.9%	
91.4%	3	4	0	12.6%	
92.6%	3	4	0	9.1%	
93.8%	3	4	0	9.6%	
95.1%	3	4	0	9.4%	
96.3%	3	4	0	8.7%	
97.5%	3	3	0	2.9%	
98.8%	3	3	0	13.1%	
100.0%	1	2	0	6.4%	

September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	4.6%	
1.2%	7	7	0	1.7%	
2.5%	7	7	0	0.0%	
3.7%	7	7	0	0.6%	
4.9%	7	7	0	0.6%	
6.2%	7	7	0	0.0%	
7.4%	7	7	0	-0.5%	
8.6%	7	7	0	0.1%	
9.9%	7	7	0	0.7%	
11.1%	7	7	0	0.0%	
12.3%	7	7	0	0.0%	
13.6%	7	7	0	-0.1%	
14.8%	7	7	0	0.0%	
16.0%	7	7	0	-0.6%	
17.3%	7	6	0	-2.0%	
18.5%	7	6	0	-1.5%	
19.8%	7	6	0	-2.6%	
21.0%	7	6	0	-5.2%	
22.2%	6	6	0	-4.0%	
23.5%	6	6	0	-2.9%	
24.7%	6	6	0	-2.7	

**Figure SW-54-b**  
**Sacramento River below Hamilton City, Monthly Stage**  
**Probability of Exceedance**

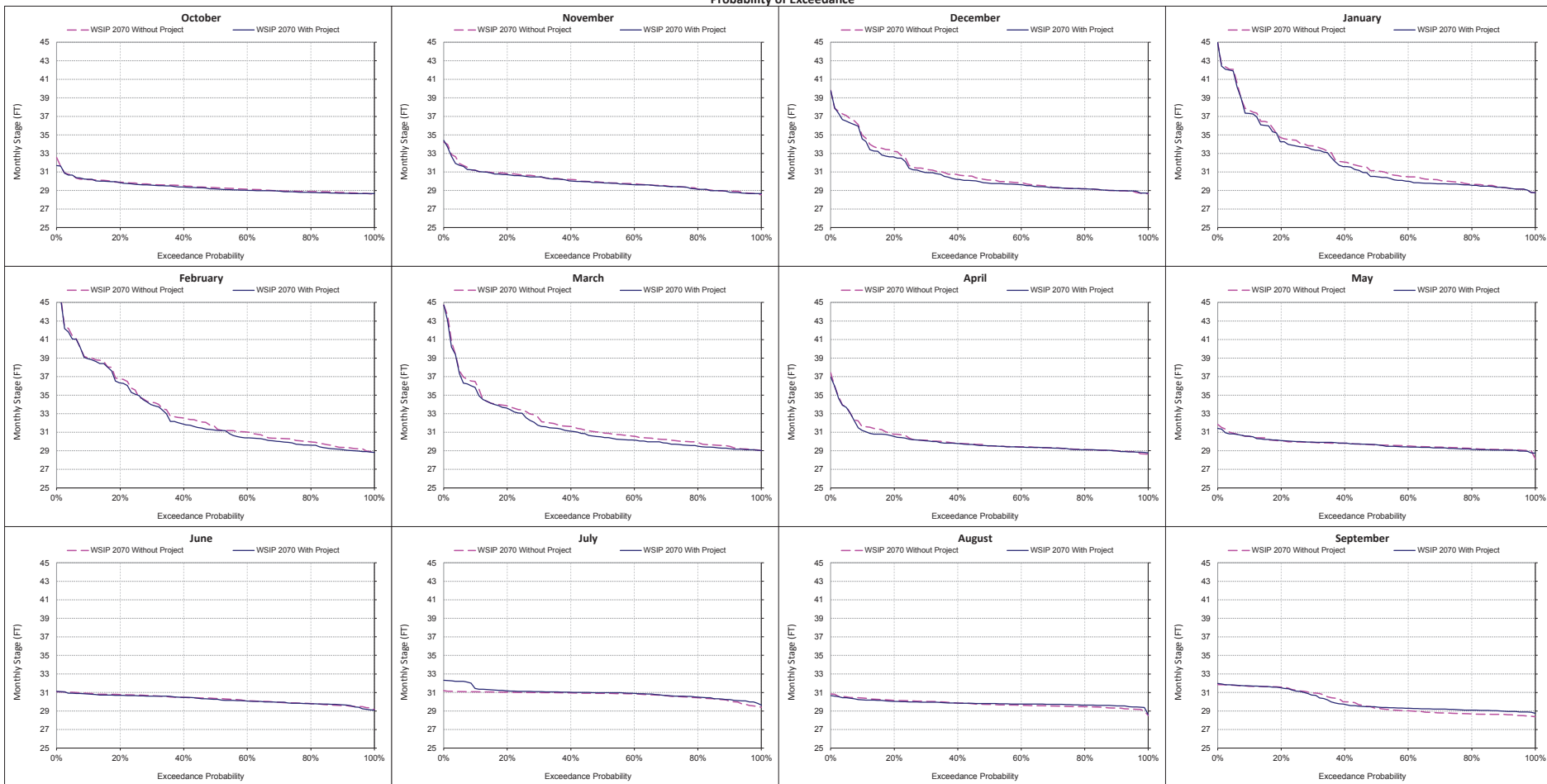


Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	33	32	-1	-2.6%	
1.2%	32	32	0	0.1%	
2.5%	31	31	0	-0.1%	
3.7%	31	31	0	-0.2%	
4.9%	31	31	0	0.0%	
6.2%	30	30	0	0.2%	
7.4%	30	30	0	0.5%	
8.6%	30	30	0	0.0%	
9.9%	30	30	0	0.1%	
11.1%	30	30	0	0.2%	
12.3%	30	30	0	-0.3%	
13.6%	30	30	0	-0.3%	
14.8%	30	30	0	-0.3%	
16.0%	30	30	0	-0.2%	
17.3%	30	30	0	-0.1%	
18.5%	30	30	0	0.2%	
19.8%	30	30	0	-0.1%	
21.0%	30	30	0	-0.4%	
22.2%	30	30	0	-0.3%	
23.5%	30	30	0	-0.3%	
24.7%	30	30	0	-0.4%	
25.9%	30	30	0	-0.2%	
27.2%	30	30	0	-0.3%	
28.4%	30	30	0	-0.4%	
29.6%	30	30	0	-0.2%	
30.9%	30	30	0	-0.2%	
32.1%	30	30	0	-0.3%	
33.3%	30	30	0	-0.3%	
34.6%	30	30	0	-0.3%	
35.8%	30	29	0	-0.3%	
37.0%	30	29	0	-0.4%	
38.3%	30	29	0	-0.6%	
39.5%	30	29	0	-0.6%	
40.7%	29	29	0	-0.4%	
42.0%	29	29	0	-0.4%	
43.2%	29	29	0	-0.3%	
44.4%	29	29	0	0.2%	
45.7%	29	29	0	-0.3%	
46.9%	29	29	0	-0.3%	
48.1%	29	29	0	-0.5%	
49.4%	29	29	0	-0.5%	
50.6%	29	29	0	-0.5%	
51.9%	29	29	0	-0.5%	
53.1%	29	29	0	-0.5%	
54.3%	29	29	0	-0.5%	
55.6%	29	29	0	-0.5%	
56.8%	29	29	0	-0.4%	
58.0%	29	29	0	-0.5%	
59.3%	29	29	0	-0.4%	
60.5%	29	29	0	-0.4%	
61.7%	29	29	0	-0.4%	
63.0%	29	29	0	-0.4%	
64.2%	29	29	0	-0.4%	
65.4%	29	29	0	-0.1%	
66.7%	29	29	0	-0.2%	
67.9%	29	29	0	-0.1%	
69.1%	29	29	0	-0.1%	
70.4%	29	29	0	-0.2%	
71.6%	29	29	0	0.2%	
72.8%	29	29	0	-0.3%	
74.1%	29	29	0	-0.2%	
75.3%	29	29	0	-0.3%	
76.5%	29	29	0	-0.3%	
77.8%	29	29	0	-0.3%	
79.0%	29	29	0	-0.3%	
80.2%	29	29	0	-0.3%	
81.5%	29	29	0	-0.4%	
82.7%	29	29	0	-0.4%	
84.0%	29	29	0	-0.4%	
85.2%	29	29	0	-0.4%	
86.4%	29	29	0	-0.4%	
87.7%	29	29	0	-0.3%	
88.9%	29	29	0	-0.3%	
90.1%	29	29	0	-0.3%	
91.4%	29	29	0	-0.2%	
92.6%	29	29	0	-0.2%	
93.8%	29	29	0	-0.2%	
95.1%	29	29	0	-0.1%	
96.3%	29	29	0	-0.1%	
97.5%	29	29	0	-0.1%	
98.8%	29	29	0	0.1%	
100.0%	29	29	0	0.1%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	34	34	0	0.5%	
1.2%	34	34	0	-0.8%	
2.5%	33	33	0	-0.6%	
3.7%	33	32	-1	-2.2%	
4.9%	32	32	0	-0.6%	
6.2%	32	32	0	-0.3%	
7.4%	32	31	0	-0.7%	
8.6%	31	31	0	0.0%	
9.9%	31	31	0	0.0%	
11.1%	31	31	0	-0.1%	
12.3%	31	31	0	0.0%	
13.6%	31	31	0	0.0%	
14.8%	31	31	0	-0.2%	
16.0%	31	31	0	-0.4%	
17.3%	31	31	0	-0.4%	
18.5%	31	31	0	-0.6%	
19.8%	31	31	0	-0.4%	
21.0%	31	31	0	-0.5%	
22.2%	31	31	0	-0.6%	
23.5%	31	31	0	-0.4%	
24.7%	31	31	0	-0.3%	
25.9%	31	31	0	-0.4%	
27.2%	31	30	0	-0.5%	
28.4%	31	30	0	-0.4%	
29.6%	31	30	0	-0.2%	
30.9%	30	30	0	0.1%	
32.1%	30	30	0	0.1%	
33.3%	30	30	0	-0.3%	
34.6%	30	30	0	-0.3%	
35.8%	30	30	0	-0.3%	
37.0%	30	30	0	0.0%	
38.3%	30	30	0	-0.2%	
39.5%	30	30	0	-0.5%	
40.7%	30	30	0	-0.6%	
42.0%	30	30	0	-0.5%	
43.2%	30	30	0	-0.1%	
44.4%	30	30	0	-0.1%	
45.7%	30	30	0	-0.1%	
46.9%	30	30	0	-0.3%	
48.1%	30	30	0	-0.2%	
49.4%	30	30	0	-0.1%	
50.6%	30	30	0	-0.2%	
51.9%	30	30	0	0.0%	
53.1%	30	30	0	-0.1%	
54.3%	30	30	0	-0.1%	
55.6%	30	30	0	-0.2%	
56.8%	30	30	0	-0.2%	
58.0%	30	30	0	-0.3%	
59.3%	30	30	0	-0.3%	
60.5%	30	30	0	-0.3%	
61.7%	30	30	0	-0.2%	
63.0%	30	30	0	-0.1%	
64.2%	30	30	0	-0.1%	
65.4%	30	30	0	0.1%	
66.7%	30	30	0	-0.1%	
67.9%	30	29	0	-0.2%	
69.1%	30	29	0	-0.2%	
70.4%	29	29	0	-0.2%	
71.6%	29	29	0	0.1%	
72.8%	29	29	0	0.1%	
74.1%	29	29	0	0.0%	
75.3%	29	29	0	0.0%	
76.5%	29	29	0	0.0%	
77.8%	29	29	0	-0.3%	
79.0%	29	29	0	-0.4%	
80.2%	29	29	0	0.0%	
81.5%	29	29	0	0.0%	
82.7%	29	29	0	0.1%	
84.0%	29	29	0	-0.2%	
85.2%	29	29	0	0.0%	
86.4%	29	29	0	0.0%	
87.7%	29	29	0	0.1%	
88.9%	29	29	0	-0.1%	
90.1%	29	29	0	-0.5%	
91.4%	29	29	0	-0.5%	
92.6%	29	29	0	-0.4%	
93.8%	29	29	0	-0.3%	
95.1%	29	29	0	-0.1%	
96.3%	29	29	0	-0.1%	
97.5%	29	29	0	0.0%	
98.8%	29	29	0	0.2%	
100.0%	29	29	0	0.4%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	40	40	0	-0.2%	
1.2%	38	38	0	0.2%	
2.5%	38	37	0	-0.6%	
3.7%	37	37	-1	-1.6%	
4.9%	37	36	-1	-1.6%	
6.2%	37	36	0	-1.2%	
7.4%	37	36	0	-1.1%	
8.6%	36	36	0	-0.5%	
9.9%	35	35	0	-0.2%	
11.1%	35	34	0	-1.0%	
12.3%	34	33	-1	-1.7%	
13.6%	34	33	0	-1.4%	
14.8%	34	33	0	-1.0%	
16.0%	34	33	-1	-2.2%	
17.3%	33	33	-1	-2.1%	
18.5%	33	33	-1	-2.3%	
19.8%	33	33	-1	-1.8%	
21.0%	33	33	-1	-2.0%	
22.2%	33	32	0	-0.9%	
23.5%	33	32	0	-1.4%	
24.7%	32	31	0	-0.9%	
25.9%	31	31	0	-0.8%	
27.2%	31	31	0	-0.7%	
28.4%	31	31	0	-1.2%	
29.6%	31	31	0	-1.2%	
30.9%	31	31	0	-1.0%	
32.1%	31	31	0	-0.9%	
33.3%	31	31	0	-0.8%	
34.6%	31	31	0	-1.0%	
35.8%	31	31	0	-1.3%	
37.0%	31	31	0	-1.1%	
38.3%	31	30	0	-1.5%	
39.5%	31	30	-1	-1.7%	
40.7%	31	30	0	-1.5%	
42.0%	31	30	0	-1.6%	
43.2%	31	30	0	-1.5%	
44.4%	31	30	0	-1.6%	
45.7%	30	30	0	-1.1%	
46.9%	30	30	0	-1.1%	
48.1%	30	30	0	-1.2%	
49.4%	30	30	0	-1.2%	
50.6%	30	30	0	-1.2%	
51.9%	30	30	0	-1.1%	
53.1%	30	30	0	-0.7%	
54.3%	30	30	0	-0.8%	
55.6%	30	30	0	-0.7%	
56.8%	30	30	0	-0.7%	
58.0%	30	30	0	-0.7%	
59.3%	30	30	0	-0.7%	
60.5%	30	30	0	-0.7%	
61.7%	30	30	0	-0.5%	
63.0%	30	30	0	-0.4%	
64.2%	30	29	0	-0.4%	
65.4%	30	29	0	-0.5%	
66.7%	30	29	0	-0.4%	
67.9%	29	29	0	-0.4%	
69.1%	29	29	0	-0.3%	
70.4%	29	29	0	0.0%	
71.6%	30	29	0	0.1%	
72.8%	29	29	0	0.0%	
74.1%	29	29	0	0.0%	
75.3%	29	29	0	0.0%	
76.5%	29	29	0	0.0%	
77.8%	30	29	0	0.0%	
79.0%	30	29	0	0.0%	
80.2%	29	29	0	-0.1%	
81.5%	29	29	0	0.0%	
82.7%	29	29	0	0.0%	
84.0%	29	29	0	0.0%	
85.2%	30	29	0	0.0%	
86.4%	29	29	0	0.0%	
87.7%	29	29	0	0.0%	
88.9%	29	29	0	0.0%	
90.1%	29	29	0	0.0%	
91.4%	29	29	0	0.1%	
92.6%	29	29	0	0.1%	
93.8%	29	29	0	0.0%	
95.1%	29	29	0	0.0%	
96.3%	29	29	0	0.6%	
97.5%	29	29	0	0.0%	
98.8%	29	29	0	0.1%	
100.0%	29	29	0	0.2%	

January					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	45	45	0	-0.2%	
1.2%	43	42	0	-0.3%	
2.5%	42	42	0	-0.6%	
3.7%	42	42	0	-0.2%	
4.9%	42	42	0	-0.4%	
6.2%	40	40	0	-0.9%	
7.4%	39	39	0	0.2%	
8.6%	38	37	-1	-1.4%	
9.9%	38	37	0	-0.9%	
11.1%	37	37	0	-	



Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	46	46	0	0.0%	
1.2%	46	45	0	-0.7%	
2.5%	42	42	0	-0.5%	
3.7%	42	42	0	-0.8%	
4.9%	41	41	0	-0.8%	
6.2%	41	41	0	-0.1%	
7.4%	40	40	0	0.0%	
8.6%	39	39	0	-0.3%	
9.9%	39	39	0	0.2%	
11.1%	39	39	0	-0.5%	
12.3%	39	39	0	-0.4%	
13.6%	39	38	0	-0.9%	
14.8%	39	38	0	-0.6%	
16.0%	38	38	0	-0.1%	
17.3%	38	38	0	-1.0%	
18.5%	37	37	0	-0.8%	
19.8%	37	36	0	-1.2%	
21.0%	37	36	0	-1.2%	
22.2%	36	36	0	-1.2%	
23.5%	36	35	0	-1.3%	
24.7%	36	35	0	-1.3%	
25.9%	35	35	0	0.6%	
27.2%	35	35	0	-0.3%	
28.4%	34	34	0	-0.2%	
29.6%	34	34	0	-0.7%	
30.9%	34	34	0	-1.0%	
32.1%	34	34	0	-0.8%	
33.3%	34	33	0	-0.4%	
34.6%	33	33	0	-1.3%	
35.8%	33	32	-1	-1.7%	
37.0%	33	32	-1	-1.6%	
38.3%	33	32	-1	-1.8%	
39.5%	33	32	-1	-2.0%	
40.7%	32	32	-1	-2.1%	
42.0%	32	32	-1	-1.9%	
43.2%	32	32	-1	-2.3%	
44.4%	32	32	-1	-2.2%	
45.7%	32	31	-1	-2.0%	
46.9%	32	31	-1	-2.3%	
48.1%	32	31	0	-1.5%	
49.4%	32	31	0	-1.6%	
50.6%	31	31	0	-0.4%	
51.9%	31	31	0	0.0%	
53.1%	31	31	0	-0.1%	
54.3%	31	31	0	-1.1%	
55.6%	31	31	-1	-1.7%	
56.8%	31	31	-1	-1.7%	
58.0%	31	30	-1	-1.9%	
59.3%	31	30	-1	-2.1%	
60.5%	31	30	-1	-2.0%	
61.7%	31	30	0	-1.6%	
63.0%	31	30	0	-1.5%	
64.2%	31	30	0	-1.4%	
65.4%	31	30	0	-1.1%	
66.7%	30	30	0	-0.9%	
67.9%	30	30	0	-0.9%	
69.1%	30	30	0	-1.1%	
70.4%	30	30	0	-1.1%	
71.6%	30	30	0	-1.2%	
72.8%	30	30	0	-1.3%	
74.1%	30	30	0	-1.4%	
75.3%	30	30	0	-1.3%	
76.5%	30	30	0	-1.4%	
77.8%	30	30	0	-1.3%	
79.0%	30	30	0	-1.3%	
80.2%	30	30	0	-1.1%	
81.5%	30	30	0	-1.1%	
82.7%	30	29	0	-1.2%	
84.0%	30	29	0	-1.3%	
85.2%	30	29	0	-1.2%	
86.4%	30	29	0	-1.2%	
87.7%	29	29	0	-0.9%	
88.9%	29	29	0	-0.7%	
90.1%	29	29	0	-0.8%	
91.4%	29	29	0	-1.0%	
92.6%	29	29	0	-0.9%	
93.8%	29	29	0	-0.9%	
95.1%	29	29	0	-0.8%	
96.3%	29	29	0	-0.9%	
97.5%	29	29	0	-0.2%	
98.8%	29	29	0	-0.2%	
100.0%	29	29	0	-0.1%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	45	45	0	0.0%	
1.2%	44	43	-1	-1.2%	
2.5%	41	40	-1	-1.4%	
3.7%	39	39	0	0.0%	
4.9%	38	37	0	-0.7%	
6.2%	37	36	-1	-1.8%	
7.4%	37	36	0	-1.3%	
8.6%	37	36	0	-1.4%	
9.9%	36	36	-1	-1.8%	
11.1%	36	35	-1	-2.0%	
12.3%	35	35	0	0.0%	
13.6%	34	34	0	-0.1%	
14.8%	34	34	0	0.0%	
16.0%	34	34	0	-0.2%	
17.3%	34	34	0	-0.4%	
18.5%	34	34	0	-0.7%	
19.8%	34	34	0	-0.8%	
21.0%	34	33	0	-0.9%	
22.2%	34	33	0	-1.2%	
23.5%	33	33	0	-1.1%	
24.7%	33	33	0	-1.1%	
25.9%	33	33	-1	-2.0%	
27.2%	33	32	-1	-2.1%	
28.4%	33	32	-1	-2.4%	
29.6%	33	32	-1	-2.7%	
30.9%	32	32	0	-1.5%	
32.1%	32	32	0	-1.5%	
33.3%	32	31	-1	-1.7%	
34.6%	32	31	-1	-1.6%	
35.8%	32	31	0	-1.2%	
37.0%	32	31	0	-1.1%	
38.3%	32	31	0	-1.5%	
39.5%	32	31	0	-1.5%	
40.7%	32	31	-1	-1.6%	
42.0%	31	31	0	-1.3%	
43.2%	31	31	0	-1.5%	
44.4%	31	31	0	-1.2%	
45.7%	31	31	0	-1.6%	
46.9%	31	31	0	-1.6%	
48.1%	31	31	0	-1.6%	
49.4%	31	31	-1	-1.6%	
50.6%	31	30	0	-1.6%	
51.9%	31	30	0	-1.5%	
53.1%	31	30	0	-1.5%	
54.3%	31	30	0	-1.6%	
55.6%	31	30	-1	-1.7%	
56.8%	31	30	0	-1.5%	
58.0%	31	30	0	-1.6%	
59.3%	31	30	0	-1.4%	
60.5%	31	30	0	-1.3%	
61.7%	30	30	0	-1.2%	
63.0%	30	30	0	-1.2%	
64.2%	30	30	0	-1.3%	
65.4%	30	30	0	-1.3%	
66.7%	30	30	0	-1.1%	
67.9%	30	30	0	-0.9%	
69.1%	30	30	0	-1.2%	
70.4%	30	30	0	-1.3%	
71.6%	30	30	0	-1.5%	
72.8%	30	30	0	-1.3%	
74.1%	30	30	0	-1.2%	
75.3%	30	30	0	-1.3%	
76.5%	30	30	0	-1.4%	
77.8%	30	30	0	-1.3%	
79.0%	30	30	0	-1.4%	
80.2%	30	29	0	-1.3%	
81.5%	30	29	0	-0.9%	
82.7%	30	29	0	-0.8%	
84.0%	30	29	0	-0.9%	
85.2%	30	29	0	-0.8%	
86.4%	30	29	0	-0.9%	
87.7%	30	29	0	-0.9%	
88.9%	30	29	0	-0.9%	
90.1%	29	29	0	-0.9%	
91.4%	29	29	0	-0.5%	
92.6%	29	29	0	-0.3%	
93.8%	29	29	0	-0.2%	
95.1%	29	29	0	-0.2%	
96.3%	29	29	0	-0.1%	
97.5%	29	29	0	-0.1%	
98.8%	29	29	0	0.1%	
100.0%	29	29	0	0.1%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	37	37	0	-1.3%	
1.2%	36	36	0	0.1%	
2.5%	35	35	0	-0.7%	
3.7%	34	34	0	0.0%	
4.9%	34	34	0	-0.3%	
6.2%	33	33	0	0.0%	
7.4%	32	32	0	-0.3%	
8.6%	32	31	-1	-2.3%	
9.9%	32	31	0	-1.3%	
11.1%	32	31	-1	-1.7%	
12.3%	32	31	-1	-2.1%	
13.6%	31	31	-1	-1.9%	
14.8%	31	31	-1	-1.8%	
16.0%	31	31	-1	-1.6%	
17.3%	31	31	0	-0.9%	
18.5%	31	31	0	-0.7%	
19.8%	31	31	0	-0.7%	
21.0%	31	30	0	-1.0%	
22.2%	31	30	0	-1.0%	
23.5%	31	30	0	-1.0%	
24.7%	30	30	0	-0.4%	
25.9%	30	30	0	0.0%	
27.2%	30	30	0	0.1%	
28.4%	30	30	0	-0.1%	
29.6%	30	30	0	-0.2%	
30.9%	30	30	0	-0.2%	
32.1%	30	30	0	-0.2%	
33.3%	30	30	0	-0.2%	
34.6%	30	30	0	-0.5%	
35.8%	30	30	0	-0.4%	
37.0%	30	30	0	-0.4%	
38.3%	30	30	0	-0.1%	
39.5%	30	30	0	-0.1%	
40.7%	30	30	0	0.0%	
42.0%	30	30	0	-0.2%	
43.2%	30	30	0	-0.2%	
44.4%	30	30	0	-0.3%	
45.7%	30	30	0	-0.2%	
46.9%	30	30	0	-0.4%	
48.1%	30	30	0	-0.4%	
49.4%	30	30	0	0.1%	
50.6%	30	30	0	0.0%	
51.9%	30	30	0	-0.1%	
53.1%	29	29	0	0.0%	
54.3%	29	29	0	0.0%	
55.6%	29	29	0	0.0%	
56.8%	29	29	0	-0.1%	
58.0%	29	29	0	-0.1%	
59.3%	29	29	0	-0.1%	
60.5%	29	29	0	-0.2%	
61.7%	29	29	0	-0.2%	
63.0%	29	29	0	-0.1%	
64.2%	29	29	0	0.0%	
65.4%	29	29	0	0.0%	
66.7%	29	29	0	0.0%	
67.9%	29	29	0	0.0%	
69.1%	29	29	0	0.0%	
70.4%	29	29	0	-0.1%	
71.6%	29	29	0	-0.1%	
72.8%	29	29	0	0.0%	
74.1%	29	29	0	0.1%	
75.3%	29	29	0	-0.1%	
76.5%	29	29	0	-0.1%	
77.8%	29	29	0	-0.1%	
79.0%	29	29	0	-0.1%	
80.2%	29	29	0	0.0%	
81.5%	29	29	0	0.0%	
82.7%	29	29	0	0.0%	
84.0%	29	29	0	0.0%	
85.2%	29	29	0	0.0%	
86.4%	29	29	0	0.0%	
87.7%	29	29	0	0.0%	
88.9%	29	29	0	-0.2%	
90.1%	29	29	0	0.0%	
91.4%	29	29	0	-0.1%	
92.6%	29	29	0	-0.1%	
93.8%	29	29	0	-0.1%	
95.1%	29	29	0	-0.1%	
96.3%	29	29	0	-0.2%	
97.5%	29	29	0	0.6%	
98.8%	29	29	0	0.1%	
100.0%	29	29	0	0.5%	

May					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	32	31	0	-1.4%	
1.2%	32	31	0	-0.6%	
2.5%	31	31	0	-1.3%	
3.7%	31	31	0	-0.6%	
4.9%	31	31	0	-0.2%	
6.2%	31	31	0	0.0%	
7.4%	31	31	0	0.0%	
8.6%	31	31	0	0.1%	
9.9%	31	31	0	0.0%	
11.1%	30	31	0		

Table SW-54-b  
Sacramento River below Hamilton City, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	31	31	0	0.2%	
1.2%	31	31	0	0.1%	
2.5%	31	31	0	0.1%	
3.7%	31	31	0	-0.3%	
4.9%	31	31	0	-0.3%	
6.2%	31	31	0	-0.3%	
7.4%	31	31	0	-0.2%	
8.6%	31	31	0	-0.3%	
9.9%	31	31	0	0.3%	
11.1%	31	31	0	-0.3%	
12.3%	31	31	0	-0.1%	
13.6%	31	31	0	-0.3%	
14.8%	31	31	0	-0.3%	
16.0%	31	31	0	-0.3%	
17.3%	31	31	0	-0.3%	
18.5%	31	31	0	-0.3%	
19.8%	31	31	0	-0.3%	
21.0%	31	31	0	-0.3%	
22.2%	31	31	0	-0.3%	
23.5%	31	31	0	-0.3%	
24.7%	31	31	0	-0.2%	
25.9%	31	31	0	-0.3%	
27.2%	31	31	0	-0.2%	
28.4%	31	31	0	-0.2%	
29.6%	31	31	0	-0.2%	
30.9%	31	31	0	-0.1%	
32.1%	31	31	0	0.0%	
33.3%	31	31	0	0.1%	
34.6%	31	31	0	0.1%	
35.8%	31	31	0	0.2%	
37.0%	30	31	0	0.1%	
38.3%	30	30	0	0.0%	
39.5%	30	30	0	0.0%	
40.7%	30	30	0	0.0%	
42.0%	30	30	0	0.1%	
43.2%	30	30	0	0.1%	
44.4%	30	30	0	-0.1%	
45.7%	30	30	0	-0.3%	
46.9%	30	30	0	-0.3%	
48.1%	30	30	0	-0.3%	
49.4%	30	30	0	-0.3%	
50.6%	30	30	0	-0.3%	
51.9%	30	30	0	-0.6%	
53.1%	30	30	0	-0.5%	
54.3%	30	30	0	-0.5%	
55.6%	30	30	0	-0.4%	
56.8%	30	30	0	-0.4%	
58.0%	30	30	0	-0.2%	
59.3%	30	30	0	-0.1%	
60.5%	30	30	0	-0.1%	
61.7%	30	30	0	-0.1%	
63.0%	30	30	0	-0.1%	
64.2%	30	30	0	-0.1%	
65.4%	30	30	0	-0.1%	
66.7%	30	30	0	-0.1%	
67.9%	30	30	0	0.0%	
69.1%	30	30	0	0.0%	
70.4%	30	30	0	0.1%	
71.6%	30	30	0	0.1%	
72.8%	30	30	0	0.0%	
74.1%	30	30	0	-0.1%	
75.3%	30	30	0	-0.1%	
76.5%	30	30	0	-0.1%	
77.8%	30	30	0	-0.1%	
79.0%	30	30	0	-0.1%	
80.2%	30	30	0	0.0%	
81.5%	30	30	0	0.0%	
82.7%	30	30	0	0.0%	
84.0%	30	30	0	0.2%	
85.2%	30	30	0	0.3%	
86.4%	30	30	0	0.3%	
87.7%	30	30	0	0.3%	
88.9%	30	30	0	0.3%	
90.1%	30	30	0	0.2%	
91.4%	30	30	0	0.1%	
92.6%	30	30	0	0.2%	
93.8%	29	29	0	-0.2%	
95.1%	29	29	0	-0.2%	
96.3%	29	29	0	-0.7%	
97.5%	29	29	0	-0.6%	
98.8%	29	29	0	0.8%	
100.0%	29	29	0	-0.2%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	31	32	1	3.6%	
1.2%	31	32	1	3.7%	
2.5%	31	32	1	3.6%	
3.7%	31	32	1	3.6%	
4.9%	31	32	1	3.5%	
6.2%	31	32	1	3.6%	
7.4%	31	32	1	3.3%	
8.6%	31	32	1	3.0%	
9.9%	31	31	0	1.1%	
11.1%	31	31	0	0.9%	
12.3%	31	31	0	0.9%	
13.6%	31	31	0	0.8%	
14.8%	31	31	0	0.8%	
16.0%	31	31	0	0.7%	
17.3%	31	31	0	0.7%	
18.5%	31	31	0	0.6%	
19.8%	31	31	0	0.4%	
21.0%	31	31	0	0.4%	
22.2%	31	31	0	0.4%	
23.5%	31	31	0	0.4%	
24.7%	31	31	0	0.4%	
25.9%	31	31	0	0.4%	
27.2%	31	31	0	0.4%	
28.4%	31	31	0	0.3%	
29.6%	31	31	0	0.3%	
30.9%	31	31	0	0.3%	
32.1%	31	31	0	0.3%	
33.3%	31	31	0	0.3%	
34.6%	31	31	0	0.3%	
35.8%	31	31	0	0.3%	
37.0%	31	31	0	0.2%	
38.3%	31	31	0	0.2%	
39.5%	31	31	0	0.2%	
40.7%	31	31	0	0.2%	
42.0%	31	31	0	0.2%	
43.2%	31	31	0	0.2%	
44.4%	31	31	0	0.2%	
45.7%	31	31	0	0.2%	
46.9%	31	31	0	0.2%	
48.1%	31	31	0	0.2%	
49.4%	31	31	0	0.2%	
50.6%	31	31	0	0.2%	
51.9%	31	31	0	0.2%	
53.1%	31	31	0	0.3%	
54.3%	31	31	0	0.3%	
55.6%	31	31	0	0.3%	
56.8%	31	31	0	0.2%	
58.0%	31	31	0	0.2%	
59.3%	31	31	0	0.1%	
60.5%	31	31	0	0.1%	
61.7%	31	31	0	0.2%	
63.0%	31	31	0	0.3%	
64.2%	31	31	0	0.3%	
65.4%	31	31	0	0.3%	
66.7%	31	31	0	0.2%	
67.9%	31	31	0	0.1%	
69.1%	31	31	0	0.0%	
70.4%	31	31	0	0.0%	
71.6%	31	31	0	0.2%	
72.8%	31	31	0	0.2%	
74.1%	31	31	0	0.2%	
75.3%	31	31	0	0.2%	
76.5%	31	31	0	0.2%	
77.8%	30	31	0	0.4%	
79.0%	30	31	0	0.3%	
80.2%	30	30	0	0.2%	
81.5%	30	30	0	0.3%	
82.7%	30	30	0	0.3%	
84.0%	30	30	0	0.3%	
85.2%	30	30	0	0.0%	
86.4%	30	30	0	0.1%	
87.7%	30	30	0	0.2%	
88.9%	30	30	0	0.1%	
90.1%	30	30	0	0.7%	
91.4%	30	30	0	0.5%	
92.6%	30	30	0	0.5%	
93.8%	30	30	0	1.0%	
95.1%	30	30	0	1.2%	
96.3%	30	30	0	1.3%	
97.5%	30	30	0	1.5%	
98.8%	29	30	1	1.2%	
100.0%	29	30	0	0.7%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	31	31	0	-0.5%	
1.2%	31	31	0	-0.7%	
2.5%	31	31	0	-0.1%	
3.7%	31	30	0	-0.4%	
4.9%	31	30	0	-0.3%	
6.2%	30	30	0	-0.3%	
7.4%	30	30	0	-0.5%	
8.6%	30	30	0	-0.9%	
9.9%	30	30	0	-0.7%	
11.1%	30	30	0	-0.6%	
12.3%	30	30	0	-0.4%	
13.6%	30	30	0	-0.3%	
14.8%	30	30	0	-0.4%	
16.0%	30	30	0	-0.3%	
17.3%	30	30	0	-0.4%	
18.5%	30	30	0	-0.4%	
19.8%	30	30	0	-0.3%	
21.0%	30	30	0	-0.3%	
22.2%	30	30	0	-0.4%	
23.5%	30	30	0	-0.4%	
24.7%	30	30	0	-0.4%	
25.9%	30	30	0	-0.4%	
27.2%	30	30	0	-0.3%	
28.4%	30	30	0	-0.3%	
29.6%	30	30	0	-0.3%	
30.9%	30	30	0	-0.2%	
32.1%	30	30	0	-0.3%	
33.3%	30	30	0	-0.3%	
34.6%	30	30	0	-0.3%	
35.8%	30	30	0	-0.3%	
37.0%	30	30	0	-0.2%	
38.3%	30	30	0	-0.1%	
39.5%	30	30	0	0.0%	
40.7%	30	30	0	0.0%	
42.0%	30	30	0	0.0%	
43.2%	30	30	0	0.0%	
44.4%	30	30	0	0.1%	
45.7%	30	30	0	0.2%	
46.9%	30	30	0	0.2%	
48.1%	30	30	0	0.3%	
49.4%	30	30	0	0.3%	
50.6%	30	30	0	0.3%	
51.9%	30	30	0	0.3%	
53.1%	30	30	0	0.4%	
54.3%	30	30	0	0.4%	
55.6%	30	30	0	0.4%	
56.8%	30	30	0	0.4%	
58.0%	30	30	0	0.4%	
59.3%	30	30	0	0.5%	
60.5%	30	30	0	0.5%	
61.7%	30	30	0	0.5%	
63.0%	30	30	0	0.6%	
64.2%	30	30	0	0.6%	
65.4%	30	30	0	0.6%	
66.7%	30	30	0	0.6%	
67.9%	30	30	0	0.6%	
69.1%	30	30	0	0.7%	
70.4%	30	30	0	0.6%	
71.6%	30	30	0	0.6%	
72.8%	30	30	0	0.6%	
74.1%	29	30	0	0.7%	
75.3%	29	30	0	0.7%	
76.5%	29	30	0	0.6%	
77.8%	29	30	0	0.6%	
79.0%	29	30	0	0.6%	
80.2%	29	30	0	0.6%	
81.5%	29	30	0	0.6%	
82.7%	29	30	0	0.6%	
84.0%	29	30	0	0.6%	
85.2%	29	30	0	0.7%	
86.4%	29	30	0	0.7%	
87.7%	29	30	0	0.9%	
88.9%	29	30	0	0.8%	
90.1%	29	30	0	0.8%	
91.4%	29	30	0	0.8%	
92.6%	29	30	0	1.0%	
93.8%	29	29	0	0.8%	
95.1%	29	29	0	0.8%	
96.3%	29	29	0	0.8%	
97.5%	29	29	0	0.8%	
98.8%	29	29	0	1.3%	
100.0%	29	29	0	0.3%	

September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	32	32	0	0.4%	
1.2%	32	32	0	0.3%	
2.5%	32	32	0	0.0%	
3.7%	32	32	0	0.1%	
4.9%	32	32	0	0.1%	
6.2%	32	32	0	0.0%	
7.4%	32	32	0	0.1%	
8.6%	32	32	0	0.0%	
9.9%	32	30	0	0.1%	
11.1%	32	32	0		

Figure SW-56-b  
 Sacramento River at Wilkins Slough, Monthly Stage  
 Probability of Exceedance

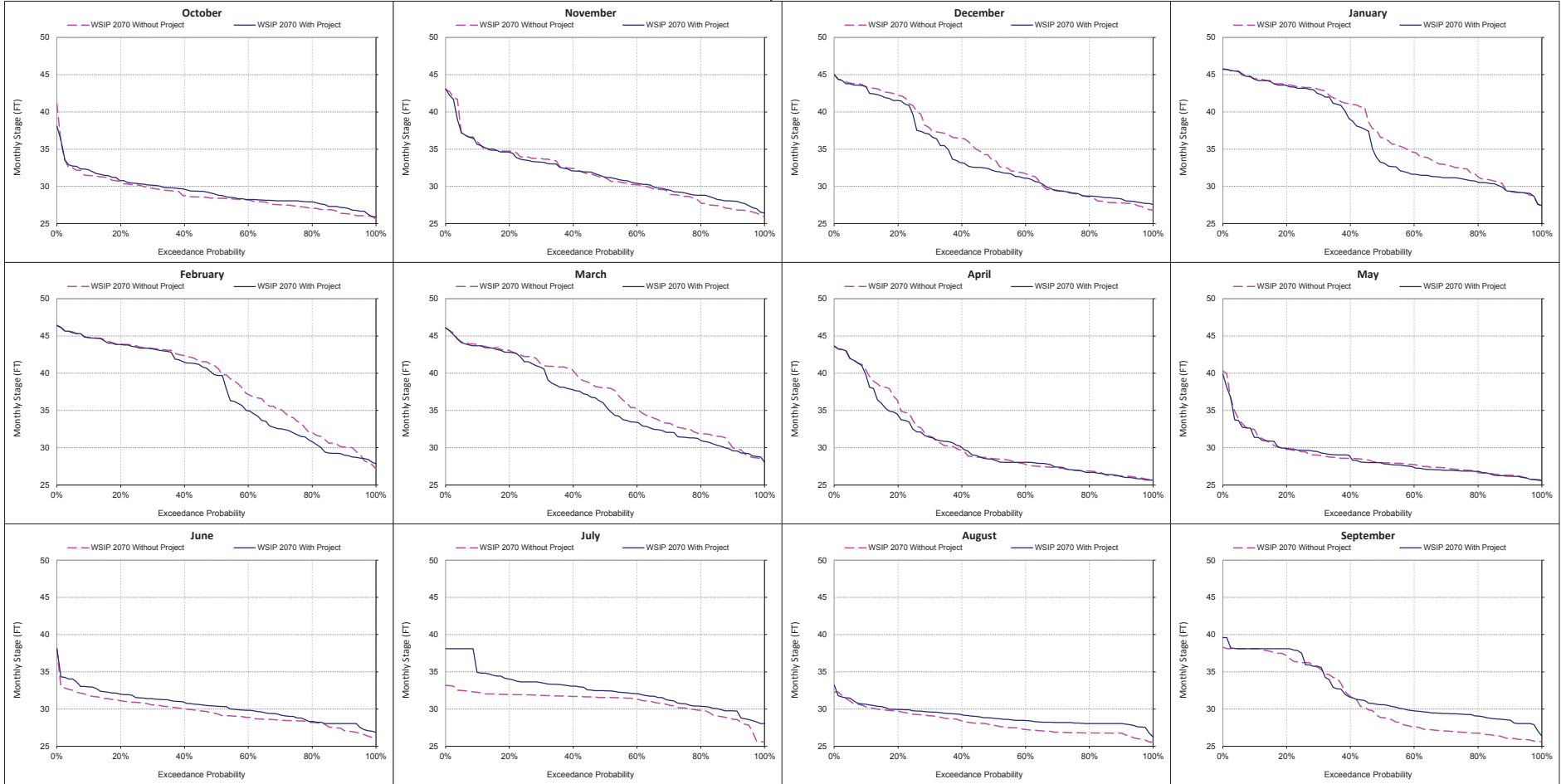


Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

Percent Exceedance Probability	October			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	36	-3	-7.3%
1.2%	36	36	0	0.5%
2.5%	34	34	0	0.0%
3.7%	32	33	0	1.2%
4.9%	32	33	0	0.7%
6.2%	32	33	1	1.6%
7.4%	32	32	0	0.7%
8.6%	32	32	1	2.6%
9.9%	31	32	1	2.4%
11.1%	31	32	1	1.8%
12.3%	31	32	0	1.1%
13.6%	31	32	0	1.1%
14.8%	31	31	0	0.8%
16.0%	31	31	0	0.9%
17.3%	31	31	0	1.3%
18.5%	31	31	0	1.4%
19.8%	31	31	0	0.4%
21.0%	30	31	0	1.4%
22.2%	30	30	0	0.6%
23.5%	30	30	0	0.8%
24.7%	30	30	0	0.7%
25.9%	30	30	0	0.6%
27.2%	30	30	0	1.1%
28.4%	30	30	0	1.2%
29.6%	30	30	0	1.3%
30.9%	30	30	0	1.4%
32.1%	30	30	0	1.5%
33.3%	29	30	0	1.4%
34.6%	29	30	0	1.2%
35.8%	29	30	0	1.3%
37.0%	29	30	0	1.4%
38.3%	29	30	0	1.3%
39.5%	29	30	1	3.1%
40.7%	29	30	1	2.7%
42.0%	29	29	1	2.7%
43.2%	29	29	1	2.7%
44.4%	29	29	1	2.7%
45.7%	29	29	1	2.8%
46.9%	29	29	1	2.4%
48.1%	28	29	1	2.5%
49.4%	28	29	1	2.0%
50.6%	28	29	0	1.4%
51.9%	28	29	0	1.3%
53.1%	28	29	0	0.9%
54.3%	28	29	0	0.7%
55.6%	28	28	0	0.7%
56.8%	28	28	0	0.3%
58.0%	28	28	0	0.3%
59.3%	28	28	0	0.2%
60.5%	28	28	0	0.4%
61.7%	28	28	0	0.9%
63.0%	28	28	0	0.9%
64.2%	28	28	0	-0.9%
65.4%	28	28	0	0.9%
66.7%	28	28	0	1.7%
67.9%	28	28	0	1.9%
69.1%	28	28	1	1.8%
70.4%	28	28	1	2.0%
71.6%	27	28	1	2.1%
72.8%	27	28	1	2.1%
74.1%	27	28	1	2.5%
75.3%	27	28	1	2.6%
76.5%	27	28	1	2.6%
77.8%	27	28	1	2.8%
79.0%	27	28	1	3.0%
80.2%	27	28	1	3.0%
81.5%	27	28	1	2.7%
82.7%	27	28	1	2.7%
84.0%	27	28	1	2.5%
85.2%	27	27	0	1.7%
86.4%	27	28	0	1.8%
87.7%	27	27	1	2.4%
88.9%	26	27	1	3.0%
90.1%	26	27	1	2.9%
91.4%	26	27	1	2.6%
92.6%	26	27	1	2.2%
93.8%	26	27	1	2.7%
95.1%	26	27	1	2.4%
96.3%	26	27	1	2.4%
97.5%	26	26	0	0.9%
98.8%	26	26	0	0.3%
100.0%	26	26	0	1.3%

Percent Exceedance Probability	November			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	0.2%
1.2%	43	42	-1	-1.2%
2.5%	42	42	0	-0.4%
3.7%	42	39	-3	-6.5%
4.9%	44	37	0	0.5%
6.2%	47	37	0	0.0%
7.4%	44	37	0	0.0%
8.6%	44	37	0	0.5%
9.9%	43	36	0	-1.0%
11.1%	43	35	0	0.0%
12.3%	43	35	0	0.8%
13.6%	43	35	0	0.3%
14.8%	43	35	0	0.5%
16.0%	43	35	0	0.0%
17.3%	43	35	0	-0.3%
18.5%	42	35	0	-0.3%
19.8%	42	35	0	-0.3%
21.0%	42	34	0	-0.8%
22.2%	42	34	-1	-1.9%
23.5%	41	34	0	-0.9%
24.7%	41	34	0	-1.2%
25.9%	40	33	0	-1.4%
27.2%	40	33	0	-1.3%
28.4%	38	33	0	-1.4%
29.6%	38	33	-1	-1.5%
30.9%	37	33	0	-1.3%
32.1%	37	33	-1	-1.8%
33.3%	37	33	0	-1.4%
34.6%	37	33	0	-1.4%
35.8%	37	33	0	-0.3%
37.0%	37	33	0	-0.4%
38.3%	37	32	0	-0.4%
39.5%	36	32	0	-1.0%
40.7%	36	32	0	-0.9%
42.0%	36	32	0	0.0%
43.2%	35	32	0	0.2%
44.4%	35	32	0	0.9%
45.7%	35	32	0	0.9%
46.9%	34	32	0	0.7%
48.1%	34	31	0	0.7%
49.4%	34	31	0	0.1%
50.6%	33	31	0	0.5%
51.9%	33	31	0	1.6%
53.1%	32	31	0	1.4%
54.3%	32	31	0	1.0%
55.6%	32	31	0	1.0%
56.8%	32	31	0	1.1%
58.0%	32	31	0	1.1%
59.3%	32	31	-1	0.7%
60.5%	32	30	0	0.6%
61.7%	31	30	0	0.6%
63.0%	31	30	0	0.9%
64.2%	31	30	0	1.1%
65.4%	30	30	0	0.9%
66.7%	30	30	0	0.6%
67.9%	30	30	0	0.5%
69.1%	30	29	0	0.4%
70.4%	29	29	1	2.1%
71.6%	29	29	0	1.3%
72.8%	29	29	0	1.4%
74.1%	29	29	1	1.9%
75.3%	29	29	0	1.6%
76.5%	29	29	0	1.1%
77.8%	29	29	0	1.5%
79.0%	28	29	1	2.2%
80.2%	29	29	0	0.3%
81.5%	28	29	1	4.0%
82.7%	28	29	1	4.1%
84.0%	27	28	1	3.7%
85.2%	28	28	1	3.0%
86.4%	28	28	1	2.9%
87.7%	28	28	1	3.6%
88.9%	28	28	1	3.8%
90.1%	27	28	1	4.0%
91.4%	28	28	1	4.3%
92.6%	28	28	1	3.7%
93.8%	28	28	1	3.4%
95.1%	27	28	1	2.9%
96.3%	27	27	1	2.2%
97.5%	26	27	1	2.2%
98.8%	27	27	1	1.4%
100.0%	26	26	1	2.0%

Percent Exceedance Probability	December			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.2%
1.2%	44	44	0	0.0%
2.5%	44	44	0	-0.2%
3.7%	44	44	0	-0.6%
4.9%	44	44	0	-0.2%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.4%
8.6%	44	44	0	-0.4%
9.9%	43	43	0	0.2%
11.1%	43	42	-1	-1.6%
12.3%	43	42	-1	-1.8%
13.6%	43	42	-1	-1.8%
14.8%	43	42	-1	-1.6%
16.0%	43	42	-1	-1.8%
17.3%	43	42	-1	-1.8%
18.5%	42	42	-1	-2.2%
19.8%	42	42	-1	-1.6%
21.0%	42	41	-1	-1.7%
22.2%	42	41	-1	-2.1%
23.5%	41	41	0	-0.6%
24.7%	41	40	-1	-2.8%
25.9%	40	37	-3	-6.4%
27.2%	40	37	-2	-5.8%
28.4%	38	37	-1	-2.8%
29.6%	38	37	-1	-2.4%
30.9%	37	37	-1	-2.2%
32.1%	37	36	-1	-2.4%
33.3%	37	35	-2	-4.7%
34.6%	37	35	-2	-4.5%
35.8%	37	35	-2	-5.5%
37.0%	37	34	-3	-8.0%
38.3%	37	33	-3	-8.4%
39.5%	36	33	-3	-8.9%
40.7%	36	33	-3	-9.0%
42.0%	36	33	-3	-9.2%
43.2%	35	33	-3	-8.1%
44.4%	35	32	-2	-7.0%
45.7%	35	33	-2	-6.3%
46.9%	34	32	-2	-5.2%
48.1%	34	32	-2	-5.4%
49.4%	34	32	-1	-4.1%
50.6%	33	32	-1	-4.3%
51.9%	33	32	-1	-2.2%
53.1%	32	32	-1	-2.1%
54.3%	32	32	-1	-2.2%
55.6%	32	32	0	-1.2%
56.8%	32	31	-1	-2.1%
58.0%	32	31	-1	-1.9%
59.3%	32	31	-1	-2.1%
60.5%	32	31	-1	-1.7%
61.7%	31	31	0	-1.4%
63.0%	31	31	-1	-2.0%
64.2%	31	31	0	-0.6%
65.4%	30	30	0	0.8%
66.7%	30	30	0	1.0%
67.9%	30	30	0	0.5%
69.1%	30	29	0	-0.3%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	-0.4%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.4%
77.8%	29	29	0	-0.2%
79.0%	29	29	0	0.2%
80.2%	29	29	0	0.3%
81.5%	28	29	1	1.1%
82.7%	28	29	1	2.1%
84.0%	28	29	1	1.9%
85.2%	28	28	1	2.2%
86.4%	28	28	1	2.3%
87.7%	28	28	1	2.1%
88.9%	28	28	1	2.1%
90.1%	28	28	1	1.9%
91.4%	28	28	1	1.1%
92.6%	28	28	0	1.1%
93.8%	28	28	0	1.0%
95.1%	27	28	0	1.8%
96.3%	27	28	0	1.8%
97.5%	27	28	1	2.3%
98.8%	27	27	1	3.1%
100.0%	27	28	1	2.8%

Percent Exceedance Probability	January			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	-0.2%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.0%
3.7%	46	46	0	-0.2%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	-0.3%
7.4%	45	45	0	-0.2%
8.6%	45	45	0	-0.2%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.5%
12.3%	44	44	0	-0.4%
13.6%	44	44	0	0.0%
14.8%	44	44	0	-0.2%
16.0%	44	44	0	0.0%
17.3%	44	44	0	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	0.0%
21.0%	44	43	0	-0.6%
22.2%	44	43	0	-0.4%
23.5%	43	43	0	-0.4%
24.7%	43	43	0	-0.4%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	-0.6%
28.4%	43	43	0	-0.4%
29.6%	43	42	-1	-1.3%
30.9%	43	42	-1	-1.4%
32.1%	43	42	-1	-2.0%
33.3%	42	42	0	-0.6%
34.6%	42	41	-1	-1.7%
35.8%	42	41	-1	-1.7%
37.0%	41	41	-1	-1.3%
38.3%	41	40	-1	-2.6%
39.5%	41	39	-2	-4.9%
40.7%	41	39	-2	-5.5%
42.0%</				

Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	-0.2%
1.2%	46	46	0	0.0%
2.5%	46	46	0	-0.1%
3.7%	46	46	0	0.0%
4.9%	46	45	0	-0.3%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	45	0	-0.2%
12.3%	45	45	0	0.0%
13.6%	45	45	0	0.0%
14.8%	45	44	0	-0.3%
16.0%	44	44	0	-0.6%
17.3%	44	44	0	-0.2%
18.5%	44	44	0	-0.2%
19.8%	44	44	0	-0.2%
21.0%	44	44	0	-0.2%
22.2%	44	44	0	-0.2%
23.5%	44	44	0	-0.4%
24.7%	44	44	0	-0.4%
25.9%	44	43	0	-0.4%
27.2%	43	43	0	-0.2%
28.4%	43	43	0	-0.2%
29.6%	43	43	0	-0.2%
30.9%	43	43	0	-0.2%
32.1%	43	43	0	-0.4%
33.3%	43	43	0	-0.4%
34.6%	43	43	0	-0.4%
35.8%	43	43	0	-0.6%
37.0%	43	42	-1	-1.8%
38.3%	42	42	-1	-1.6%
39.5%	42	42	-1	-2.1%
40.7%	42	41	-1	-2.0%
42.0%	42	41	-1	-1.9%
43.2%	42	41	-1	-1.7%
44.4%	42	41	0	-1.0%
45.7%	42	41	-1	-1.7%
46.9%	42	41	-1	-2.1%
48.1%	41	40	-1	-2.4%
49.4%	41	40	-1	-3.0%
50.6%	41	40	-1	-2.2%
51.9%	40	40	0	-0.2%
53.1%	40	38	-2	-4.8%
54.3%	39	36	-3	-7.5%
55.6%	39	36	-3	-7.1%
56.8%	39	36	-3	-6.8%
58.0%	38	36	-2	-5.2%
59.3%	37	35	-2	-6.2%
60.5%	37	35	-2	-5.8%
61.7%	37	35	-2	-6.1%
63.0%	37	34	-2	-6.7%
64.2%	37	34	-3	-8.0%
65.4%	36	34	-2	-6.7%
66.7%	36	33	-3	-7.5%
67.9%	36	33	-3	-7.9%
69.1%	35	33	-3	-7.3%
70.4%	35	33	-3	-7.3%
71.6%	35	32	-2	-6.3%
72.8%	34	32	-2	-5.4%
74.1%	34	32	-2	-6.0%
75.3%	34	32	-2	-5.4%
76.5%	33	31	-2	-5.4%
77.8%	33	31	-1	-3.7%
79.0%	32	31	-1	-3.2%
80.2%	32	31	-1	-3.8%
81.5%	32	30	-1	-4.0%
82.7%	32	30	-2	-4.8%
84.0%	31	29	-2	-5.4%
85.2%	31	29	-1	-4.3%
86.4%	31	29	-1	-4.4%
87.7%	30	29	-1	-4.1%
88.9%	30	29	-1	-3.1%
90.1%	30	29	-1	-3.7%
91.4%	30	29	-1	-3.7%
92.6%	30	29	-1	-4.1%
93.8%	29	29	-1	-2.6%
95.1%	29	29	0	-1.7%
96.3%	28	29	0	0.9%
97.5%	28	28	0	1.8%
98.8%	28	28	0	1.2%
100.0%	27	28	1	2.6%

March				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	45	45	0	-0.5%
3.7%	45	45	0	0.0%
4.9%	44	44	0	-0.2%
6.2%	44	44	0	-0.6%
7.4%	44	44	0	-0.4%
8.6%	44	44	0	-0.6%
9.9%	44	44	0	-0.4%
11.1%	44	44	0	0.0%
12.3%	44	43	0	-0.4%
13.6%	43	43	0	0.0%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.6%
17.3%	43	43	0	-0.2%
18.5%	43	43	0	-0.6%
19.8%	43	43	0	-0.6%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	0.0%
23.5%	42	42	0	-0.6%
24.7%	42	42	-1	-1.6%
25.9%	42	42	-1	-1.6%
27.2%	42	41	-1	-2.3%
28.4%	42	41	-1	-2.3%
29.6%	41	41	-1	-1.3%
30.9%	41	41	0	-1.1%
32.1%	41	39	-2	-4.5%
33.3%	41	39	-2	-5.6%
34.6%	41	38	-2	-6.0%
35.8%	41	38	-3	-6.7%
37.0%	41	38	-3	-6.7%
38.3%	41	38	-3	-6.7%
39.5%	41	38	-3	-6.7%
40.7%	40	38	-2	-5.7%
42.0%	39	38	-2	-4.3%
43.2%	39	37	-2	-4.8%
44.4%	39	37	-2	-4.4%
45.7%	39	37	-2	-4.6%
46.9%	38	37	-2	-4.0%
48.1%	38	36	-2	-4.7%
49.4%	38	36	-2	-5.3%
50.6%	38	35	-3	-7.2%
51.9%	38	35	-3	-8.3%
53.1%	38	34	-3	-8.9%
54.3%	37	34	-3	-7.3%
55.6%	36	34	-3	-7.3%
56.8%	36	34	-2	-6.6%
58.0%	35	33	-2	-5.5%
59.3%	35	33	-2	-5.5%
60.5%	35	33	-2	-4.7%
61.7%	35	33	-2	-4.9%
63.0%	34	33	-1	-4.4%
64.2%	34	33	-2	-4.4%
65.4%	34	32	-1	-4.4%
66.7%	34	32	-1	-4.0%
67.9%	33	32	-1	-3.2%
69.1%	33	32	-1	-3.7%
70.4%	33	32	-1	-3.6%
71.6%	33	32	-1	-2.9%
72.8%	33	31	-1	-3.9%
74.1%	33	31	-1	-3.8%
75.3%	33	31	-1	-3.5%
76.5%	33	31	-1	-3.6%
77.8%	32	31	-1	-2.6%
79.0%	32	31	-1	-2.2%
80.2%	32	31	-1	-3.0%
81.5%	32	31	-1	-3.2%
82.7%	32	31	-1	-3.5%
84.0%	32	31	-1	-3.3%
85.2%	32	30	-1	-3.8%
86.4%	32	30	-1	-4.3%
87.7%	31	30	-1	-4.2%
88.9%	31	30	-1	-2.6%
90.1%	30	30	0	-1.2%
91.4%	30	30	0	-0.8%
92.6%	30	29	0	-1.4%
93.8%	29	29	0	0.3%
95.1%	29	29	0	1.3%
96.3%	29	29	0	0.7%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.8%
100.0%	28	28	0	-1.5%

April				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.2%
1.2%	44	43	0	0.0%
2.5%	43	43	0	0.0%
3.7%	43	43	0	-0.2%
4.9%	42	42	0	0.0%
6.2%	42	42	0	-0.2%
7.4%	41	41	0	0.0%
8.6%	41	41	0	-0.4%
9.9%	40	40	-1	-1.7%
11.1%	40	40	-1	-3.6%
12.3%	39	38	-1	-2.5%
13.6%	39	36	-2	-5.6%
14.8%	38	36	-2	-5.7%
16.0%	38	35	-3	-7.4%
17.3%	38	35	-3	-8.0%
18.5%	37	35	-2	-5.8%
19.8%	36	35	-2	-5.2%
21.0%	35	34	-1	-3.3%
22.2%	35	34	-1	-3.1%
23.5%	35	33	-1	-3.4%
24.7%	34	32	-1	-3.5%
25.9%	33	32	-1	-2.1%
27.2%	33	32	-1	-1.7%
28.4%	32	32	0	-1.0%
29.6%	31	31	0	-0.5%
30.9%	31	31	0	-0.3%
32.1%	31	31	0	0.7%
33.3%	31	31	0	1.0%
34.6%	30	31	1	2.0%
35.8%	30	31	1	1.8%
37.0%	30	31	0	1.5%
38.3%	30	30	0	1.5%
39.5%	30	30	1	1.7%
40.7%	29	30	0	0.8%
42.0%	29	30	1	2.3%
43.2%	29	29	0	0.7%
44.4%	29	29	0	0.8%
45.7%	29	29	0	0.1%
46.9%	29	29	0	-0.5%
48.1%	29	28	0	-0.7%
49.4%	29	28	0	-0.3%
50.6%	28	28	0	-0.7%
51.9%	28	28	0	-1.4%
53.1%	28	28	0	-1.3%
54.3%	28	28	0	-1.1%
55.6%	28	28	0	-0.6%
56.8%	28	28	0	-0.1%
58.0%	28	28	0	0.4%
59.3%	28	28	0	0.7%
60.5%	28	28	0	1.3%
61.7%	28	28	0	1.7%
63.0%	28	28	0	1.6%
64.2%	27	28	0	1.5%
65.4%	27	28	0	1.5%
66.7%	27	28	0	1.5%
67.9%	27	28	0	1.2%
69.1%	27	27	0	0.3%
70.4%	27	27	0	0.4%
71.6%	27	27	0	0.4%
72.8%	27	27	0	-0.1%
74.1%	27	27	0	-0.1%
75.3%	27	27	0	0.2%
76.5%	27	27	0	0.2%
77.8%	27	27	0	-0.2%
79.0%	27	27	0	-0.8%
80.2%	27	27	0	0.7%
81.5%	27	27	0	-0.5%
82.7%	27	27	0	-0.6%
84.0%	27	27	0	-0.2%
85.2%	26	26	0	0.3%
86.4%	26	26	0	0.5%
87.7%	26	26	0	0.4%
88.9%	26	26	0	0.1%
90.1%	26	26	0	-0.4%
91.4%	26	26	0	-0.4%
92.6%	26	26	0	-0.7%
93.8%	26	26	0	-0.6%
95.1%	26	26	0	-0.5%
96.3%	26	26	0	-0.5%
97.5%	26	26	0	-0.5%
98.8%	26	26	0	-0.2%
100.0%	26	26	0	-0.3%

May				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	40	40	0	-0.9%
1.2%	40	38	-2	-4.6%
2.5%	37	37	0	0.2%
3.7%	35	34	-1	-3.3%
4.9%	34	34	0	-0.6%
6.2%	33	33	0	-1.3%
7.4%	33	33	0	-0.1%
8.6%	33	33	0	0.4%
9.9%	32	31	-1	-3.5%
11.1%	31	31	0	-0.1%
12.3%	31	31	0	-0.8%
13.6%	31	31	0	0.0%
14.8%	31	31	0	0.6%
16.0%	30	31	1	1.8%
17.3%	30	30	0	0.1%
18.5%	30	30	0	0.0%
19.8%	30	30	0	0.5%
21.0%	30	30	0	0.3%
22.2%	30	30	0	0.2%
23.5%	30	30	0	0.3%
24.7%	29	30	0	0.7%
25.9%	29	30	0	0.6%
27.2%	29	30	1	2.0%
28.4%	29	30	1	1.8%
29.6%	29	30	1	1.7%
30.9%	29	29	0	1.2%
32.1%	29	29	0	1.2%
33.3%	29	29	0	1.3%
34.6%	29	29	0	1.2%
35.8%	29	29	0	1.3%
37.0%	29	29	0	1.6%
38.3%	29	29	0	1.6%
39.5%	29	29	0	1.5%
40.7%	29	28	0	-0.9%
42.0%	29	2		

Table SW-56-b  
Sacramento River at Wilkins Slough, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	38	38	0	0.0%	
1.2%	33	34	1	3.9%	
2.5%	33	34	1	4.3%	
3.7%	33	34	1	4.3%	
4.9%	33	34	2	4.7%	
6.2%	32	34	1	4.3%	
7.4%	32	33	1	2.8%	
8.6%	32	33	1	3.1%	
9.9%	32	33	1	3.6%	
11.1%	32	33	1	4.0%	
12.3%	32	33	1	3.5%	
13.6%	32	32	1	2.6%	
14.8%	31	32	1	3.0%	
16.0%	31	32	1	2.8%	
17.3%	31	32	1	2.8%	
18.5%	31	32	1	2.7%	
19.8%	31	32	1	2.8%	
21.0%	31	32	1	2.9%	
22.2%	31	32	1	3.0%	
23.5%	31	32	1	3.1%	
24.7%	31	32	1	2.0%	
25.9%	31	31	1	2.0%	
27.2%	31	31	1	2.2%	
28.4%	31	31	1	2.2%	
29.6%	31	31	1	2.7%	
30.9%	31	31	1	2.7%	
32.1%	30	31	1	2.7%	
33.3%	30	31	1	2.9%	
34.6%	30	31	1	3.0%	
35.8%	30	31	1	2.8%	
37.0%	30	31	1	2.9%	
38.3%	30	31	1	3.0%	
39.5%	30	31	1	3.0%	
40.7%	30	31	1	2.6%	
42.0%	30	31	1	2.6%	
43.2%	30	31	1	2.7%	
44.4%	30	31	1	2.8%	
45.7%	30	31	1	2.8%	
46.9%	30	30	1	2.7%	
48.1%	30	30	1	3.0%	
49.4%	29	30	1	3.2%	
50.6%	29	30	1	3.1%	
51.9%	29	30	1	4.2%	
53.1%	29	30	1	4.2%	
54.3%	29	30	1	3.1%	
55.6%	29	30	1	3.3%	
56.8%	29	30	1	3.0%	
58.0%	29	30	1	3.3%	
59.3%	29	30	1	3.3%	
60.5%	29	30	1	3.3%	
61.7%	29	30	1	3.6%	
63.0%	29	30	1	3.4%	
64.2%	29	30	1	3.4%	
65.4%	29	29	1	3.0%	
66.7%	29	29	1	2.8%	
67.9%	29	29	1	2.9%	
69.1%	29	29	1	2.8%	
70.4%	29	29	1	2.3%	
71.6%	28	29	1	2.2%	
72.8%	28	29	1	2.0%	
74.1%	28	29	1	2.0%	
75.3%	28	29	0	1.4%	
76.5%	28	29	0	1.4%	
77.8%	28	29	0	0.8%	
79.0%	28	28	0	0.5%	
80.2%	28	28	0	0.5%	
81.5%	28	28	0	0.3%	
82.7%	28	28	0	0.5%	
84.0%	28	28	0	0.3%	
85.2%	28	28	0	1.6%	
86.4%	28	28	1	2.0%	
87.7%	27	28	1	2.2%	
88.9%	27	28	1	2.3%	
90.1%	27	28	1	3.6%	
91.4%	27	28	1	3.8%	
92.6%	27	28	1	4.1%	
93.8%	27	28	1	4.3%	
95.1%	27	28	1	3.0%	
96.3%	27	27	1	2.5%	
97.5%	26	27	1	2.9%	
98.8%	26	27	1	5.1%	
100.0%	26	27	1	2.8%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	33	38	5	14.9%	
1.2%	33	38	5	15.0%	
2.5%	33	38	5	15.3%	
3.7%	33	38	6	17.2%	
4.9%	32	38	6	17.3%	
6.2%	32	38	6	17.5%	
7.4%	32	38	6	17.6%	
8.6%	32	38	6	18.0%	
9.9%	32	35	3	8.4%	
11.1%	32	35	3	8.2%	
12.3%	32	35	3	8.7%	
13.6%	32	35	3	8.4%	
14.8%	32	35	2	7.8%	
16.0%	32	34	2	7.6%	
17.3%	32	34	2	7.7%	
18.5%	32	34	2	6.8%	
19.8%	32	34	2	6.5%	
21.0%	32	34	2	6.3%	
22.2%	32	34	2	5.7%	
23.5%	32	34	2	5.4%	
24.7%	32	34	2	5.4%	
25.9%	32	34	2	5.5%	
27.2%	32	34	2	5.5%	
28.4%	32	34	2	5.6%	
29.6%	32	34	2	5.4%	
30.9%	32	33	2	5.1%	
32.1%	32	33	2	4.9%	
33.3%	32	33	2	4.9%	
34.6%	32	33	2	5.0%	
35.8%	32	33	2	4.9%	
37.0%	32	33	1	4.7%	
38.3%	32	33	1	4.5%	
39.5%	32	33	1	4.4%	
40.7%	32	33	1	4.3%	
42.0%	32	33	1	4.0%	
43.2%	32	33	1	4.1%	
44.4%	32	33	1	3.0%	
45.7%	32	33	1	2.8%	
46.9%	32	32	1	2.7%	
48.1%	32	32	1	2.9%	
49.4%	32	32	1	2.9%	
50.6%	32	32	1	2.9%	
51.9%	32	32	1	2.8%	
53.1%	32	32	1	2.7%	
54.3%	32	32	1	2.3%	
55.6%	32	32	1	2.3%	
56.8%	31	32	1	2.3%	
58.0%	31	32	1	2.1%	
59.3%	31	32	1	2.3%	
60.5%	31	32	1	2.4%	
61.7%	31	32	1	2.5%	
63.0%	31	32	1	2.3%	
64.2%	31	32	1	2.1%	
65.4%	31	32	1	2.6%	
66.7%	31	32	1	2.5%	
67.9%	31	32	1	2.5%	
69.1%	31	31	1	2.0%	
70.4%	30	31	1	2.2%	
71.6%	30	31	1	2.1%	
72.8%	30	31	1	2.0%	
74.1%	30	31	1	2.0%	
75.3%	30	31	1	1.8%	
76.5%	30	31	1	1.7%	
77.8%	30	30	0	1.4%	
79.0%	30	30	1	1.8%	
80.2%	30	30	1	1.8%	
81.5%	30	30	1	2.0%	
82.7%	30	30	1	2.5%	
84.0%	29	30	1	3.2%	
85.2%	29	30	1	3.4%	
86.4%	29	30	1	3.1%	
87.7%	29	30	1	3.1%	
88.9%	29	30	1	3.3%	
90.1%	29	30	1	4.0%	
91.4%	29	30	1	4.0%	
92.6%	28	29	1	1.9%	
93.8%	28	29	1	2.7%	
95.1%	28	29	1	2.6%	
96.3%	27	28	2	6.0%	
97.5%	26	28	3	10.1%	
98.8%	26	28	2	9.5%	
100.0%	26	28	2	9.7%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	32	33	1	2.9%	
1.2%	32	32	0	-1.5%	
2.5%	32	32	0	-0.6%	
3.7%	31	32	0	0.3%	
4.9%	31	31	0	1.2%	
6.2%	31	31	0	1.3%	
7.4%	31	31	0	0.3%	
8.6%	31	31	0	0.5%	
9.9%	30	31	0	1.1%	
11.1%	30	31	0	1.4%	
12.3%	30	30	0	1.2%	
13.6%	30	30	0	1.3%	
14.8%	30	30	0	1.5%	
16.0%	30	30	0	1.1%	
17.3%	30	30	0	0.6%	
18.5%	30	30	0	0.6%	
19.8%	30	30	0	0.7%	
21.0%	30	30	0	1.0%	
22.2%	30	30	0	1.4%	
23.5%	29	30	0	1.7%	
24.7%	29	30	0	1.6%	
25.9%	29	30	0	1.5%	
27.2%	29	30	0	1.6%	
28.4%	29	30	0	1.5%	
29.6%	29	30	1	1.8%	
30.9%	29	30	0	1.7%	
32.1%	29	30	1	2.2%	
33.3%	29	30	1	2.1%	
34.6%	29	29	1	2.3%	
35.8%	29	29	1	2.3%	
37.0%	29	29	1	2.4%	
38.3%	29	29	1	2.4%	
39.5%	28	29	1	3.0%	
40.7%	28	29	1	2.9%	
42.0%	28	29	1	3.2%	
43.2%	28	29	1	3.3%	
44.4%	28	29	1	3.2%	
45.7%	28	29	1	3.0%	
46.9%	28	29	1	2.7%	
48.1%	28	29	1	3.0%	
49.4%	28	29	1	3.5%	
50.6%	28	29	1	3.4%	
51.9%	28	29	1	3.8%	
53.1%	28	29	1	3.7%	
54.3%	28	29	1	4.0%	
55.6%	27	29	1	3.8%	
56.8%	27	28	1	3.7%	
58.0%	27	28	1	3.6%	
59.3%	27	28	1	4.3%	
60.5%	27	28	1	4.5%	
61.7%	27	28	1	4.5%	
63.0%	27	28	1	4.3%	
64.2%	27	28	1	4.3%	
65.4%	27	28	1	4.4%	
66.7%	27	28	1	4.4%	
67.9%	27	28	1	4.5%	
69.1%	27	28	1	4.9%	
70.4%	27	28	1	4.9%	
71.6%	27	28	1	4.9%	
72.8%	27	28	1	5.0%	
74.1%	27	28	1	5.0%	
75.3%	27	28	1	4.9%	
76.5%	27	28	1	4.9%	
77.8%	27	28	1	4.9%	
79.0%	27	28	1	4.7%	
80.2%	27	28	1	4.7%	
81.5%	27	28	1	4.7%	
82.7%	27	28	1	4.7%	
84.0%	27	28	1	4.8%	
85.2%	26	28	1	4.8%	
86.4%	27	28	1	4.8%	
87.7%	27	28	1	4.8%	
88.9%	27	28	1	4.8%	
90.1%	27	28	1	4.8%	
91.4%	27	28	1	5.5%	
92.6%	26	28	1	5.5%	
93.8%	26	28	2	6.5%	
95.1%	26	28	2	6.1%	
96.3%	26	28	2	6.3%	
97.5%	26	28	2	6.6%	
98.8%	26	27	1	4.7%	
100.0%	26	26	1	2.6%	

September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	38	40	1	3.4%	
1.2%	38	40	1	3.9%	
2.5%	38	38	0	0.3%	
3.7%	38	38	0	0.0%	
4.9%	38	38	0	0.0%	
6.2%	38	38	0	0.0%	
7.4%	38	38	0	0.0%	
8.6%	38	38	0	0.0%	
9.9%	38	38	0	0.0%	
11.1%	38	38			

Figure SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

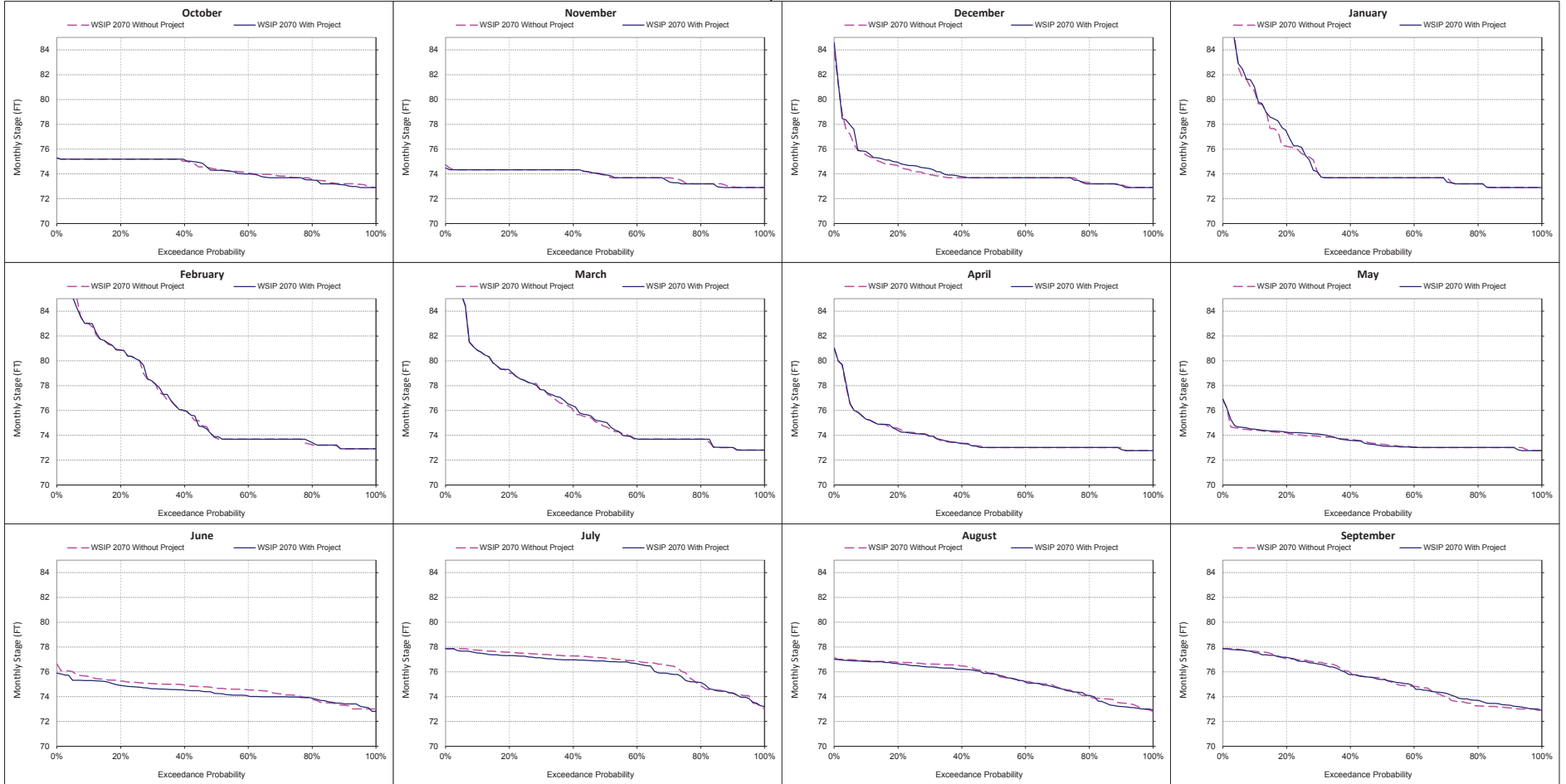


Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	75	75	0	0.0%
1.2%	75	75	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	0.0%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	0.2%
40.7%	75	75	0	0.0%
42.0%	75	75	0	0.1%
43.2%	75	75	0	0.1%
44.4%	75	75	0	0.5%
45.7%	75	75	0	0.4%
46.9%	75	75	0	0.1%
48.1%	74	74	0	-0.2%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	-0.1%
56.8%	74	74	0	-0.2%
58.0%	74	74	0	-0.2%
59.3%	74	74	0	-0.1%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	-0.1%
64.2%	74	74	0	-0.3%
65.4%	74	74	0	-0.3%
66.7%	74	74	0	-0.4%
67.9%	74	74	0	-0.3%
69.1%	74	74	0	-0.2%
70.4%	74	74	0	-0.2%
71.6%	74	74	0	-0.2%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	-0.2%
79.0%	74	73	0	-0.2%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	-0.4%
84.0%	73	73	0	-0.3%
85.2%	73	73	0	-0.1%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	-0.1%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	0.2%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.2%
95.1%	73	73	0	-0.3%
96.3%	73	73	0	-0.3%
97.5%	73	73	0	-0.1%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	75	74	0	-0.3%
1.2%	74	74	0	-0.2%
2.5%	74	74	0	0.0%
3.7%	74	74	0	0.0%
4.9%	74	74	0	0.0%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	-0.1%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.2%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	-0.2%
70.4%	74	73	0	-0.5%
71.6%	74	73	0	-0.5%
72.8%	74	73	0	-0.4%
74.1%	74	73	0	-0.4%
75.3%	73	73	0	-0.1%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.3%
86.4%	73	73	0	-0.4%
87.7%	73	73	0	-0.3%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	84	85	1	0.9%
1.2%	81	81	0	0.1%
2.5%	79	78	0	-0.6%
3.7%	78	78	1	1.0%
4.9%	77	78	1	1.0%
6.2%	76	78	1	1.5%
7.4%	76	78	0	0.0%
8.6%	76	78	0	0.0%
9.9%	76	74	0	0.4%
11.1%	75	76	0	0.3%
12.3%	75	75	0	0.1%
13.6%	75	75	0	0.3%
14.8%	75	75	0	0.4%
16.0%	75	75	0	0.4%
17.3%	75	75	0	0.4%
18.5%	75	75	0	0.3%
19.8%	75	75	0	0.4%
21.0%	74	75	0	0.4%
22.2%	74	75	0	0.5%
23.5%	74	75	0	0.4%
24.7%	74	75	0	0.7%
25.9%	74	75	0	0.6%
27.2%	74	75	0	0.5%
28.4%	74	74	0	0.6%
29.6%	74	74	0	0.7%
30.9%	74	74	0	0.6%
32.1%	74	74	0	0.4%
33.3%	74	74	0	0.5%
34.6%	74	74	0	0.3%
35.8%	74	74	0	0.3%
37.0%	74	74	0	0.3%
38.3%	74	74	0	0.2%
39.5%	74	74	0	0.1%
40.7%	74	74	0	0.1%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	73	0	-0.3%
76.5%	73	73	0	0.0%
77.8%	73	73	0	-0.1%
79.0%	73	73	0	-0.2%
80.2%	73	73	0	-0.2%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	89	89	0	0.0%
1.2%	89	89	0	-0.1%
2.5%	87	87	0	0.0%
3.7%	85	85	0	-0.4%
4.9%	83	83	0	0.5%
6.2%	82	82	1	0.9%
7.4%	82	82	0	0.0%
8.6%	81	82	0	0.7%
9.9%	81	81	0	0.4%
11.1%	80	80	0	0.2%
12.3%	80	80	0	0.1%
13.6%	79	79	0	-0.1%
14.8%	78	79	1	1.2%
16.0%	78	78	1	1.0%
17.3%	77	78	1	1.1%
18.5%	76	78	1	1.9%
19.8%	76	78	1	1.7%
21.0%	76	77	1	0.9%
22.2%	76	76	0	0.2%
23.5%	76	76	0	0.4%
24.7%	76	76	0	0.6%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.3%
28.4%	75	74	-1	-1.1%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74</		



Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

February					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	89	89	0	0.0%	
1.2%	87	87	0	0.4%	
2.5%	86	87	1	0.8%	
3.7%	86	86	0	0.0%	
4.9%	85	85	0	0.0%	
6.2%	85	84	-1	-1.0%	
7.4%	84	84	0	0.0%	
8.6%	83	83	0	0.0%	
9.9%	83	83	0	0.1%	
11.1%	83	83	0	0.3%	
12.3%	82	82	0	0.2%	
13.6%	82	82	0	0.0%	
14.8%	82	82	0	0.0%	
16.0%	81	81	0	0.1%	
17.3%	81	81	0	0.0%	
18.5%	81	81	0	0.1%	
19.8%	81	81	0	0.0%	
21.0%	81	81	0	0.0%	
22.2%	80	80	0	0.0%	
23.5%	80	80	0	0.0%	
24.7%	80	80	0	0.0%	
25.9%	80	80	0	0.0%	
27.2%	79	80	1	0.9%	
28.4%	79	79	0	0.0%	
29.6%	78	78	0	0.0%	
30.9%	78	78	0	0.0%	
32.1%	77	78	0	0.5%	
33.3%	77	77	0	0.0%	
34.6%	77	77	0	0.6%	
35.8%	77	77	0	0.0%	
37.0%	76	76	0	0.0%	
38.3%	76	76	0	0.0%	
39.5%	76	76	0	0.0%	
40.7%	76	76	0	0.0%	
42.0%	76	76	0	0.1%	
43.2%	75	75	0	0.0%	
44.4%	75	75	0	-0.6%	
45.7%	75	75	0	-0.1%	
46.9%	75	75	0	-0.2%	
48.1%	74	74	0	0.0%	
49.4%	74	74	0	0.1%	
50.6%	74	74	0	0.2%	
51.9%	74	74	0	0.0%	
53.1%	74	74	0	0.0%	
54.3%	74	74	0	0.0%	
55.6%	74	74	0	0.0%	
56.8%	74	74	0	0.0%	
58.0%	74	74	0	0.0%	
59.3%	74	74	0	0.0%	
60.5%	74	74	0	0.0%	
61.7%	74	74	0	0.0%	
63.0%	74	74	0	0.0%	
64.2%	74	74	0	0.0%	
65.4%	74	74	0	0.0%	
66.7%	74	74	0	0.0%	
67.9%	74	74	0	0.0%	
69.1%	74	74	0	0.0%	
70.4%	74	74	0	0.0%	
71.6%	74	74	0	0.0%	
72.8%	74	74	0	0.0%	
74.1%	74	74	0	0.0%	
75.3%	74	74	0	0.0%	
76.5%	74	74	0	0.0%	
77.8%	73	74	0	0.4%	
79.0%	73	74	0	0.3%	
80.2%	73	73	0	0.2%	
81.5%	73	73	0	0.0%	
82.7%	73	73	0	0.0%	
84.0%	73	73	0	0.0%	
85.2%	73	73	0	0.0%	
86.4%	73	73	0	0.0%	
87.7%	73	73	0	0.0%	
88.9%	73	73	0	0.0%	
90.1%	73	73	0	0.0%	
91.4%	73	73	0	0.0%	
92.6%	73	73	0	0.0%	
93.8%	73	73	0	0.0%	
95.1%	73	73	0	0.0%	
96.3%	73	73	0	0.0%	
97.5%	73	73	0	0.0%	
98.8%	73	73	0	0.0%	
100.0%	73	73	0	0.0%	

March					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	88	88	0	0.0%	
1.2%	87	87	0	0.0%	
2.5%	86	86	0	-0.1%	
3.7%	86	85	0	-0.2%	
4.9%	85	85	0	0.0%	
6.2%	84	84	0	0.0%	
7.4%	82	82	0	0.0%	
8.6%	81	81	0	0.0%	
9.9%	81	81	0	0.0%	
11.1%	81	81	0	0.0%	
12.3%	80	80	0	0.0%	
13.6%	80	80	0	0.0%	
14.8%	80	80	0	0.0%	
16.0%	80	80	0	0.0%	
17.3%	79	79	0	0.0%	
18.5%	79	79	0	0.0%	
19.8%	79	79	0	0.4%	
21.0%	79	79	0	0.0%	
22.2%	79	79	0	0.0%	
23.5%	79	79	0	0.0%	
24.7%	78	78	0	0.0%	
25.9%	78	78	0	0.0%	
27.2%	78	78	0	0.0%	
28.4%	78	78	0	-0.2%	
29.6%	78	78	0	0.0%	
30.9%	78	78	0	-0.1%	
32.1%	77	78	0	0.1%	
33.3%	77	77	0	0.2%	
34.6%	77	77	0	0.4%	
35.8%	77	77	0	0.6%	
37.0%	77	77	0	0.4%	
38.3%	76	77	0	0.2%	
39.5%	76	76	0	0.3%	
40.7%	76	76	1	0.8%	
42.0%	76	76	0	0.2%	
43.2%	76	76	0	0.2%	
44.4%	75	76	0	0.3%	
45.7%	75	76	0	0.2%	
46.9%	75	75	0	0.2%	
48.1%	75	75	0	0.2%	
49.4%	75	75	0	0.4%	
50.6%	75	75	0	0.5%	
51.9%	74	75	0	0.3%	
53.1%	74	74	0	0.2%	
54.3%	74	74	0	0.0%	
55.6%	74	74	0	-0.2%	
56.8%	74	74	0	-0.2%	
58.0%	74	74	0	0.1%	
59.3%	74	74	0	0.1%	
60.5%	74	74	0	0.0%	
61.7%	74	74	0	0.0%	
63.0%	74	74	0	0.0%	
64.2%	74	74	0	0.0%	
65.4%	74	74	0	0.0%	
66.7%	74	74	0	0.0%	
67.9%	74	74	0	0.0%	
69.1%	74	74	0	0.0%	
70.4%	74	74	0	0.0%	
71.6%	74	74	0	0.0%	
72.8%	74	74	0	0.0%	
74.1%	74	74	0	0.0%	
75.3%	74	74	0	0.0%	
76.5%	74	74	0	0.0%	
77.8%	74	74	0	0.0%	
79.0%	74	74	0	0.0%	
80.2%	73	74	0	0.0%	
81.5%	74	74	0	0.0%	
82.7%	73	74	0	0.4%	
84.0%	73	73	0	0.0%	
85.2%	73	73	0	0.0%	
86.4%	73	73	0	0.0%	
87.7%	73	73	0	0.0%	
88.9%	73	73	0	0.0%	
90.1%	73	73	0	0.0%	
91.4%	73	73	0	0.0%	
92.6%	73	73	0	0.0%	
93.8%	73	73	0	0.0%	
95.1%	73	73	0	0.0%	
96.3%	73	73	0	0.0%	
97.5%	73	73	0	0.0%	
98.8%	73	73	0	0.0%	
100.0%	73	73	0	0.0%	

April					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	81	81	0	0.0%	
1.2%	80	80	0	0.0%	
2.5%	80	80	0	0.0%	
3.7%	78	78	0	0.4%	
4.9%	77	77	0	0.0%	
6.2%	76	76	0	0.0%	
7.4%	76	76	0	0.0%	
8.6%	76	76	0	0.0%	
9.9%	75	75	0	0.0%	
11.1%	75	75	0	0.0%	
12.3%	75	75	0	0.0%	
13.6%	75	75	0	0.0%	
14.8%	75	75	0	0.0%	
16.0%	75	75	0	0.0%	
17.3%	75	75	0	0.2%	
18.5%	75	75	0	-0.1%	
19.8%	75	74	0	-0.2%	
21.0%	74	74	0	-0.2%	
22.2%	74	74	0	-0.1%	
23.5%	74	74	0	-0.1%	
24.7%	74	74	0	-0.1%	
25.9%	74	74	0	0.0%	
27.2%	74	74	0	0.0%	
28.4%	74	74	0	0.0%	
29.6%	74	74	0	-0.1%	
30.9%	74	74	0	-0.1%	
32.1%	74	74	0	0.0%	
33.3%	74	74	0	0.1%	
34.6%	74	74	0	0.4%	
35.8%	73	74	0	0.1%	
37.0%	73	74	0	0.0%	
38.3%	73	73	0	0.2%	
39.5%	73	73	0	0.0%	
40.7%	73	73	0	0.0%	
42.0%	73	73	0	-0.1%	
43.2%	73	73	0	0.0%	
44.4%	73	73	0	0.0%	
45.7%	73	73	0	-0.2%	
46.9%	73	73	0	-0.1%	
48.1%	73	73	0	0.0%	
49.4%	73	73	0	0.0%	
50.6%	73	73	0	0.0%	
51.9%	73	73	0	0.0%	
53.1%	73	73	0	0.0%	
54.3%	73	73	0	0.0%	
55.6%	73	73	0	0.0%	
56.8%	73	73	0	0.0%	
58.0%	73	73	0	0.0%	
59.3%	73	73	0	0.0%	
60.5%	73	73	0	0.0%	
61.7%	73	73	0	0.0%	
63.0%	73	73	0	0.0%	
64.2%	73	73	0	0.0%	
65.4%	73	73	0	0.0%	
66.7%	73	73	0	0.0%	
67.9%	73	73	0	0.0%	
69.1%	73	73	0	0.0%	
70.4%	73	73	0	0.0%	
71.6%	73	73	0	0.0%	
72.8%	73	73	0	0.0%	
74.1%	73	73	0	0.0%	
75.3%	73	73	0	0.0%	
76.5%	73	73	0	0.0%	
77.8%	73	73	0	0.0%	
79.0%	73	73	0	0.0%	
80.2%	73	73	0	0.0%	
81.5%	73	73	0	0.0%	
82.7%	73	73	0	0.0%	
84.0%	73	73	0	0.0%	
85.2%	73	73	0	0.0%	
86.4%	73	73	0	0.0%	
87.7%	73	73	0	0.0%	
88.9%	73	73	0	0.0%	
90.1%	73	73	0	-0.2%	
91.4%	73	73	0	0.4%	
92.6%	73	73	0	0.0%	
93.8%	73	73	0	0.0%	
95.1%	73	73	0	0.0%	
96.3%	73	73	0	0.0%	
97.5%	73	73	0	0.0%	
98.8%	73	73	0	0.0%	
100.0%	73	73	0	0.0%	

May					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	77	77	0	0.0%	
1.2%	76	76	0	0.0%	
2.5%	75	75	1	0.8%	
3.7%	75	75	0	0.2%	
4.9%	75	75	0	0.1%	
6.2%	74	75	0	0.2%	
7.4%	74	75	0	0.2%	
8.6%	74	75	0	0.1%	
9.9%	74	74	0	0.1%	
11.1%	74	74	0		

Table SW-57-b  
Feather River near Gridley, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	77	76	-1	-1.0%	
1.2%	76	76	0	-0.4%	
2.5%	76	76	0	-0.5%	
3.7%	76	76	0	-0.4%	
4.9%	76	75	-1	-0.9%	
6.2%	76	75	0	-0.6%	
7.4%	76	75	0	-0.5%	
8.6%	76	75	0	-0.5%	
9.9%	76	75	0	-0.4%	
11.1%	76	75	0	-0.3%	
12.3%	75	75	0	-0.2%	
13.6%	75	75	0	-0.2%	
14.8%	75	75	0	-0.2%	
16.0%	75	75	0	-0.2%	
17.3%	75	75	0	-0.4%	
18.5%	75	75	0	-0.5%	
19.8%	75	75	0	-0.5%	
21.0%	75	75	0	-0.5%	
22.2%	75	75	0	-0.5%	
23.5%	75	75	0	-0.5%	
24.7%	75	75	0	-0.5%	
25.9%	75	75	0	-0.5%	
27.2%	75	75	0	-0.5%	
28.4%	75	75	0	-0.5%	
29.6%	75	75	0	-0.6%	
30.9%	75	75	0	-0.5%	
32.1%	75	75	0	-0.5%	
33.3%	75	75	0	-0.5%	
34.6%	75	75	0	-0.5%	
35.8%	75	75	0	-0.6%	
37.0%	75	75	0	-0.6%	
38.3%	75	75	0	-0.6%	
39.5%	75	75	0	-0.6%	
40.7%	75	74	0	-0.5%	
42.0%	75	74	0	-0.5%	
43.2%	75	74	0	-0.4%	
44.4%	75	74	0	-0.4%	
45.7%	75	74	0	-0.5%	
46.9%	75	74	0	-0.5%	
48.1%	75	74	0	-0.5%	
49.4%	75	74	0	-0.6%	
50.6%	75	74	0	-0.6%	
51.9%	75	74	0	-0.6%	
53.1%	75	74	0	-0.6%	
54.3%	75	74	0	-0.6%	
55.6%	75	74	0	-0.8%	
56.8%	75	74	0	-0.6%	
58.0%	75	74	0	-0.6%	
59.3%	75	74	0	-0.6%	
60.5%	75	74	-1	-0.7%	
61.7%	75	74	-1	-0.7%	
63.0%	74	74	0	-0.7%	
64.2%	74	74	-1	-0.7%	
65.4%	74	74	0	-0.6%	
66.7%	74	74	0	-0.6%	
67.9%	74	74	0	-0.4%	
69.1%	74	74	0	-0.4%	
70.4%	74	74	0	-0.3%	
71.6%	74	74	0	-0.2%	
72.8%	74	74	0	-0.2%	
74.1%	74	74	0	-0.2%	
75.3%	74	74	0	-0.1%	
76.5%	74	74	0	-0.1%	
77.8%	74	74	0	0.0%	
79.0%	74	74	0	0.0%	
80.2%	74	74	0	0.1%	
81.5%	74	74	0	0.1%	
82.7%	74	74	0	0.2%	
84.0%	74	74	0	0.2%	
85.2%	73	74	0	0.1%	
86.4%	73	74	0	0.1%	
87.7%	73	73	0	0.1%	
88.9%	73	73	0	0.2%	
90.1%	73	73	0	0.2%	
91.4%	73	73	0	0.2%	
92.6%	73	73	0	0.6%	
93.8%	73	73	0	0.6%	
95.1%	73	73	0	0.3%	
96.3%	73	73	0	0.2%	
97.5%	73	73	0	0.1%	
98.8%	73	73	0	0.3%	
100.0%	73	73	0	-0.3%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	78	78	0	0.0%	
1.2%	78	78	0	0.0%	
2.5%	78	78	0	0.0%	
3.7%	78	78	0	-0.2%	
4.9%	78	78	0	-0.2%	
6.2%	78	78	0	-0.2%	
7.4%	78	78	0	-0.2%	
8.6%	78	78	0	-0.2%	
9.9%	78	78	0	-0.3%	
11.1%	78	77	0	-0.3%	
12.3%	78	77	0	-0.3%	
13.6%	78	77	0	-0.3%	
14.8%	78	77	0	-0.4%	
16.0%	78	77	0	-0.3%	
17.3%	78	77	0	-0.4%	
18.5%	78	77	0	-0.4%	
19.8%	78	77	0	-0.3%	
21.0%	78	77	0	-0.3%	
22.2%	78	77	0	-0.3%	
23.5%	78	77	0	-0.3%	
24.7%	78	77	0	-0.3%	
25.9%	77	77	0	-0.4%	
27.2%	77	77	0	-0.4%	
28.4%	77	77	0	-0.4%	
29.6%	77	77	0	-0.4%	
30.9%	77	77	0	-0.4%	
32.1%	77	77	0	-0.4%	
33.3%	77	77	0	-0.4%	
34.6%	77	77	0	-0.4%	
35.8%	77	77	0	-0.4%	
37.0%	77	77	0	-0.4%	
38.3%	77	77	0	-0.4%	
39.5%	77	77	0	-0.4%	
40.7%	77	77	0	-0.4%	
42.0%	77	77	0	-0.4%	
43.2%	77	77	0	-0.4%	
44.4%	77	77	0	-0.4%	
45.7%	77	77	0	-0.4%	
46.9%	77	77	0	-0.4%	
48.1%	77	77	0	-0.3%	
49.4%	77	77	0	-0.3%	
50.6%	77	77	0	-0.2%	
51.9%	77	77	0	-0.3%	
53.1%	77	77	0	-0.3%	
54.3%	77	77	0	-0.3%	
55.6%	77	77	0	-0.2%	
56.8%	77	77	0	-0.2%	
58.0%	77	77	0	-0.2%	
59.3%	77	77	0	-0.3%	
60.5%	77	77	0	-0.3%	
61.7%	77	77	0	-0.3%	
63.0%	77	76	0	-0.3%	
64.2%	77	76	0	-0.3%	
65.4%	77	76	-1	-0.9%	
66.7%	77	76	-1	-0.9%	
67.9%	77	76	-1	-1.0%	
69.1%	77	76	-1	-0.9%	
70.4%	77	76	-1	-0.9%	
71.6%	76	76	-1	-0.8%	
72.8%	76	76	0	-0.6%	
74.1%	76	76	0	-0.6%	
75.3%	76	75	-1	-0.8%	
76.5%	76	75	0	-0.4%	
77.8%	75	75	0	-0.2%	
79.0%	75	75	0	0.2%	
80.2%	75	75	0	0.4%	
81.5%	75	75	0	0.4%	
82.7%	75	75	0	0.1%	
84.0%	75	75	0	0.0%	
85.2%	75	74	0	-0.1%	
86.4%	74	74	0	-0.1%	
87.7%	74	74	0	0.1%	
88.9%	74	74	0	0.0%	
90.1%	74	74	0	0.0%	
91.4%	74	74	0	0.0%	
92.6%	74	74	0	-0.2%	
93.8%	74	74	0	-0.2%	
95.1%	74	74	0	-0.3%	
96.3%	73	74	0	0.1%	
97.5%	73	73	0	0.1%	
98.8%	73	73	0	0.1%	
100.0%	73	73	0	0.2%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	77	77	0	0.0%	
1.2%	77	77	0	-0.2%	
2.5%	77	77	0	-0.1%	
3.7%	77	77	0	-0.1%	
4.9%	77	77	0	-0.1%	
6.2%	77	77	0	-0.1%	
7.4%	77	77	0	-0.1%	
8.6%	77	77	0	-0.1%	
9.9%	77	77	0	-0.1%	
11.1%	77	77	0	-0.1%	
12.3%	77	77	0	0.0%	
13.6%	77	77	0	0.0%	
14.8%	77	77	0	0.0%	
16.0%	77	77	0	-0.1%	
17.3%	77	77	0	-0.1%	
18.5%	77	77	0	-0.2%	
19.8%	77	77	0	-0.1%	
21.0%	77	77	0	-0.2%	
22.2%	77	77	0	-0.2%	
23.5%	77	77	0	-0.3%	
24.7%	77	76	0	-0.3%	
25.9%	77	76	0	-0.3%	
27.2%	77	76	0	-0.3%	
28.4%	77	76	0	-0.3%	
29.6%	77	76	0	-0.3%	
30.9%	77	76	0	-0.3%	
32.1%	77	76	0	-0.3%	
33.3%	77	76	0	-0.4%	
34.6%	77	76	0	-0.3%	
35.8%	77	76	0	-0.3%	
37.0%	77	76	0	-0.3%	
38.3%	77	76	0	-0.4%	
39.5%	76	76	0	-0.4%	
40.7%	76	76	0	-0.4%	
42.0%	76	76	0	-0.3%	
43.2%	76	76	0	-0.2%	
44.4%	76	76	0	-0.1%	
45.7%	76	76	0	-0.1%	
46.9%	76	76	0	-0.3%	
48.1%	76	76	0	0.0%	
49.4%	76	76	0	-0.1%	
50.6%	76	76	0	-0.1%	
51.9%	76	76	0	0.1%	
53.1%	76	76	0	0.1%	
54.3%	75	75	0	0.0%	
55.6%	75	75	0	0.0%	
56.8%	75	75	0	-0.1%	
58.0%	75	75	0	0.0%	
59.3%	75	75	0	0.1%	
60.5%	75	75	0	-0.2%	
61.7%	75	75	0	-0.1%	
63.0%	75	75	0	0.0%	
64.2%	75	75	0	0.0%	
65.4%	75	75	0	-0.1%	
66.7%	75	75	0	-0.1%	
67.9%	75	75	0	-0.2%	
69.1%	75	75	0	-0.1%	
70.4%	75	76	0	-0.1%	
71.6%	75	75	0	-0.1%	
72.8%	75	74	0	-0.1%	
74.1%	75	74	0	-0.1%	
75.3%	74	74	0	0.1%	
76.5%	74	74	0	0.1%	
77.8%	74	74	0	0.3%	
79.0%	74	74	0	0.1%	
80.2%	74	74	0	0.1%	
81.5%	74	74	0	0.2%	
82.7%	74	74	0	-0.3%	
84.0%	74	74	0	-0.3%	
85.2%	74	73	0	-0.5%	
86.4%	74	73	0	-0.6%	
87.7%	74	73	0	-0.6%	
88.9%	74	73	0	-0.4%	
90.1%	73	73	0	-0.4%	
91.4%	73	73	0	-0.4%	
92.6%	73	73	0	-0.4%	
93.8%	73	73	0	-0.3%	
95.1%	73	73	0	-0.2%	
96.3%	73	73	0	0.0%	
97.5%	73	73	0	0.0%	
98.8%	73	73	0	0.1%	
100.0%	73	73	0	0.2%	

September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	78	78	0	0.0%	
1.2%	78	78	0	0.0%	
2.5%	78	78	0	-0.1%	
3.7%	78	78	0	-0.1%	
4.9%	78	78	0	-0.1%	
6.2%	78	78	0	0.0%	
7.4%	78	78	0	0.0%	
8.6%	78	78	0	0.0%	
9.9%	78	78	0	-0.2%	
11.1%	78	78	0	-	

Figure SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

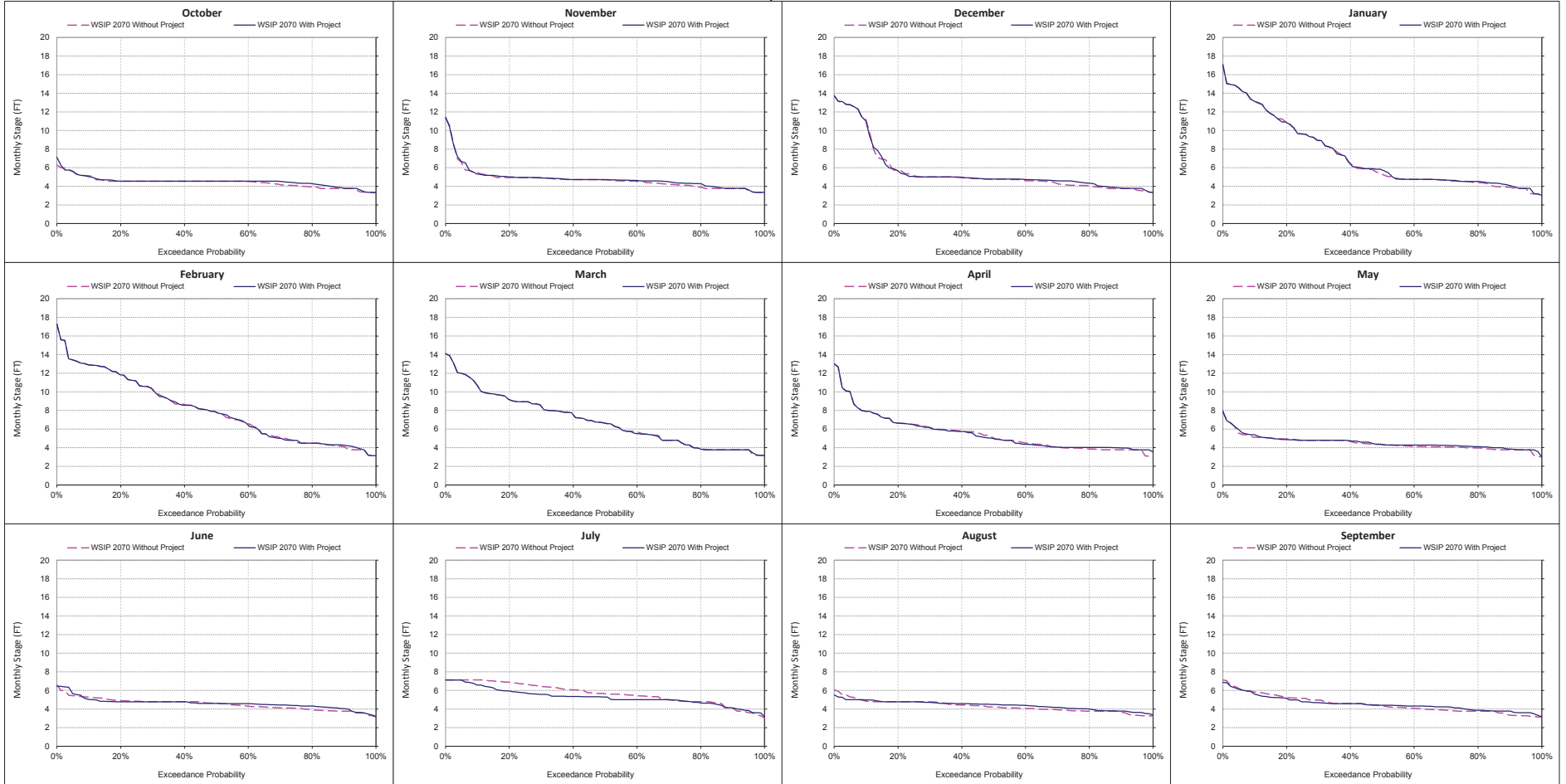


Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

October					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	6	7	1	13.5%	
1.2%	6	7	0	4.0%	
2.5%	6	6	0	-3.3%	
3.7%	6	6	0	-1.1%	
4.9%	6	6	0	-0.5%	
6.2%	5	5	0	-0.9%	
7.4%	5	5	0	-0.1%	
8.6%	5	5	0	-0.2%	
9.9%	5	5	0	-1.8%	
11.1%	5	5	0	-1.8%	
12.3%	5	5	0	1.8%	
13.6%	5	5	0	0.0%	
14.8%	5	5	0	1.5%	
16.0%	5	5	0	3.1%	
17.3%	5	5	0	2.3%	
18.5%	5	5	0	0.5%	
19.8%	5	5	0	0.0%	
21.0%	5	5	0	0.0%	
22.2%	5	5	0	0.0%	
23.5%	5	5	0	0.0%	
24.7%	5	5	0	0.0%	
25.9%	5	5	0	0.0%	
27.2%	5	5	0	0.0%	
28.4%	5	5	0	0.0%	
29.6%	5	5	0	0.0%	
30.9%	5	5	0	0.0%	
32.1%	5	5	0	0.0%	
33.3%	5	5	0	0.0%	
34.6%	5	5	0	0.0%	
35.8%	5	5	0	0.0%	
37.0%	5	5	0	-1.0%	
38.3%	5	5	0	0.0%	
39.5%	5	5	0	0.0%	
40.7%	5	5	0	0.0%	
42.0%	5	5	0	0.0%	
43.2%	5	5	0	0.0%	
44.4%	5	5	0	0.0%	
45.7%	5	5	0	0.0%	
46.9%	5	5	0	0.0%	
48.1%	5	5	0	0.0%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.0%	
55.6%	5	5	0	0.0%	
56.8%	5	5	0	0.0%	
58.0%	5	5	0	0.0%	
59.3%	5	5	0	0.5%	
60.5%	5	5	0	0.7%	
61.7%	4	5	0	1.3%	
63.0%	4	5	0	3.5%	
64.2%	4	5	0	3.6%	
65.4%	4	5	0	3.7%	
66.7%	4	5	0	4.9%	
67.9%	4	5	0	6.4%	
69.1%	4	5	0	7.1%	
70.4%	4	5	0	8.8%	
71.6%	4	4	0	13.3%	
72.8%	4	4	0	8.1%	
74.1%	4	4	0	7.4%	
75.3%	4	4	0	6.6%	
76.5%	4	4	0	8.2%	
77.8%	4	4	0	8.4%	
79.0%	4	4	0	8.9%	
80.2%	4	4	0	8.7%	
81.5%	4	4	0	7.7%	
82.7%	4	4	0	10.2%	
84.0%	4	4	0	8.9%	
85.2%	4	4	0	7.4%	
86.4%	4	4	0	5.8%	
87.7%	4	4	0	3.5%	
88.9%	4	4	0	2.5%	
90.1%	4	4	0	0.0%	
91.4%	4	4	0	4.0%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	4.4%	
95.1%	3	4	0	6.1%	
96.3%	3	3	0	0.5%	
97.5%	3	3	0	0.4%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.1%	

November					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	11	11	0	0.9%	
1.2%	11	10	0	-1.1%	
2.5%	9	9	0	-0.3%	
3.7%	7	7	0	3.7%	
4.9%	7	7	0	1.2%	
6.2%	6	7	1	13.3%	
7.4%	6	6	0	-0.1%	
8.6%	6	6	0	0.5%	
9.9%	5	5	0	-3.1%	
11.1%	5	5	0	-1.6%	
12.3%	5	5	0	-1.5%	
13.6%	5	5	0	0.0%	
14.8%	5	5	0	1.1%	
16.0%	5	5	0	3.5%	
17.3%	5	5	0	2.6%	
18.5%	5	5	0	2.3%	
19.8%	5	5	0	1.3%	
21.0%	5	5	0	1.2%	
22.2%	5	5	0	0.0%	
23.5%	5	5	0	0.0%	
24.7%	5	5	0	0.0%	
25.9%	5	5	0	0.0%	
27.2%	5	5	0	0.0%	
28.4%	5	5	0	-0.4%	
29.6%	5	5	0	-0.9%	
30.9%	5	5	0	-0.7%	
32.1%	5	5	0	-0.9%	
33.3%	5	5	0	0.3%	
34.6%	5	5	0	1.4%	
35.8%	5	5	0	1.4%	
37.0%	5	5	0	0.8%	
38.3%	5	5	0	0.8%	
39.5%	5	5	0	0.1%	
40.7%	5	5	0	0.0%	
42.0%	5	5	0	0.0%	
43.2%	5	5	0	0.0%	
44.4%	5	5	0	0.0%	
45.7%	5	5	0	0.0%	
46.9%	5	5	0	0.0%	
48.1%	5	5	0	0.2%	
49.4%	5	5	0	0.6%	
50.6%	5	5	0	0.6%	
51.9%	5	5	0	0.5%	
53.1%	5	5	0	1.6%	
54.3%	5	5	0	1.9%	
55.6%	5	5	0	2.2%	
56.8%	5	5	0	2.0%	
58.0%	5	5	0	1.8%	
59.3%	5	5	0	1.6%	
60.5%	5	5	0	2.1%	
61.7%	5	5	0	1.5%	
63.0%	4	5	0	4.3%	
64.2%	4	5	0	4.4%	
65.4%	4	5	0	5.3%	
66.7%	4	5	0	5.3%	
67.9%	4	5	0	6.7%	
69.1%	4	5	0	6.3%	
70.4%	4	4	0	5.8%	
71.6%	4	4	0	5.0%	
72.8%	4	4	0	5.1%	
74.1%	4	4	0	6.0%	
75.3%	4	4	0	5.5%	
76.5%	4	4	0	5.5%	
77.8%	4	4	0	7.4%	
79.0%	4	4	0	9.3%	
80.2%	4	4	0	9.1%	
81.5%	4	4	0	7.4%	
82.7%	4	4	0	6.4%	
84.0%	4	4	0	5.4%	
85.2%	4	4	0	3.5%	
86.4%	4	4	0	2.2%	
87.7%	4	4	0	0.0%	
88.9%	4	4	0	0.0%	
90.1%	4	4	0	0.0%	
91.4%	4	4	0	0.0%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	1.5%	
96.3%	3	3	0	-0.7%	
97.5%	3	3	0	0.0%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.0%	

December					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	14	14	0	0.0%	
1.2%	13	13	0	0.0%	
2.5%	13	13	0	0.8%	
3.7%	13	13	0	0.0%	
4.9%	13	13	0	0.0%	
6.2%	13	13	0	0.0%	
7.4%	12	12	0	0.0%	
8.6%	11	11	0	0.0%	
9.9%	11	11	0	-1.7%	
11.1%	10	9	0	-3.5%	
12.3%	8	8	0	3.1%	
13.6%	7	8	1	10.7%	
14.8%	7	7	0	3.8%	
16.0%	7	6	-1	-7.6%	
17.3%	6	6	0	-6.2%	
18.5%	6	6	0	2.1%	
19.8%	6	6	0	0.0%	
21.0%	6	5	0	-5.1%	
22.2%	5	5	0	-1.3%	
23.5%	5	5	0	-4.7%	
24.7%	5	5	0	-1.9%	
25.9%	5	5	0	-1.0%	
27.2%	5	5	0	0.0%	
28.4%	5	5	0	0.0%	
29.6%	9	9	0	0.0%	
30.9%	5	5	0	0.0%	
32.1%	5	5	0	0.0%	
33.3%	5	5	0	0.0%	
34.6%	5	5	0	0.0%	
35.8%	5	5	0	0.0%	
37.0%	5	5	0	-0.1%	
38.3%	5	5	0	-0.4%	
39.5%	5	5	0	-0.5%	
40.7%	5	5	0	-0.7%	
42.0%	5	5	0	0.4%	
43.2%	5	5	0	0.9%	
44.4%	5	5	0	0.9%	
45.7%	5	5	0	0.6%	
46.9%	5	5	0	0.1%	
48.1%	5	5	0	0.0%	
49.4%	5	5	0	0.0%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.0%	
54.3%	5	5	0	0.4%	
55.6%	5	5	0	1.1%	
56.8%	5	5	0	1.2%	
58.0%	5	5	0	1.5%	
59.3%	5	5	0	2.6%	
60.5%	5	5	0	2.4%	
61.7%	5	5	0	2.8%	
63.0%	5	5	0	2.7%	
64.2%	5	5	0	2.5%	
65.4%	5	5	0	2.6%	
66.7%	5	5	0	3.0%	
67.9%	5	5	0	2.8%	
69.1%	4	5	0	4.7%	
70.4%	4	5	0	8.1%	
71.6%	5	5	0	9.0%	
72.8%	4	5	0	10.5%	
74.1%	4	5	0	11.0%	
75.3%	4	5	0	9.8%	
76.5%	4	4	0	8.8%	
77.8%	4	4	0	7.4%	
79.0%	4	4	0	6.6%	
80.2%	4	4	0	8.5%	
81.5%	4	4	0	7.6%	
82.7%	4	4	0	3.3%	
84.0%	4	4	0	2.7%	
85.2%	4	4	0	5.4%	
86.4%	4	4	0	3.5%	
87.7%	4	4	0	3.5%	
88.9%	4	4	0	2.2%	
90.1%	4	4	0	0.9%	
91.4%	4	4	0	0.4%	
92.6%	4	4	0	0.0%	
93.8%	4	4	0	0.0%	
95.1%	4	4	0	5.7%	
96.3%	4	4	0	6.6%	
97.5%	4	4	0	1.5%	
98.8%	3	3	0	0.0%	
100.0%	3	3	0	0.0%	

January					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	17	17	0	0.0%	
1.2%	15	15	0	0.0%	
2.5%	15	15	0	-0.2%	
3.7%	15	15	0	0.0%	
4.9%	15	15	0	0.0%	
6.2%	14	14	0	0.0%	
7.4%	14	14	0	0.0%	
8.6%	13	13	0	0.0%	
9.9%	13	13	0	0.0%	
11.1%	13	13	0	0.6%	
12.3%	13	13	0	0.0%	
13.6%	12	12	0	0.0%	
14.8%	12	12	0	0.0%	
16.0%	12	12	0	0.0%	
17.3%	11	11	0	-0.2%	
18.5%	11	11	0	-3.0%	
19.8%	11	11	0	0.0%	
21.0%	11	11	0	-0.4%	
22.2%	10	10	0	0.0%	
23.5%	10	10	0	0.0	

Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

Percent Exceedance Probability	February			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	17	17	0	0.0%
1.2%	16	16	0	0.0%
2.5%	16	16	0	0.0%
3.7%	14	14	0	0.0%
4.9%	13	13	0	0.0%
6.2%	13	13	0	0.0%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	13	13	0	0.0%
11.1%	13	13	0	0.0%
12.3%	13	13	0	0.0%
13.6%	13	13	0	-0.2%
14.8%	13	13	0	-0.2%
16.0%	12	12	0	0.0%
17.3%	12	12	0	0.0%
18.5%	12	12	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	11	0	0.0%
24.7%	11	11	0	0.0%
25.9%	11	11	0	0.0%
27.2%	11	11	0	-0.6%
28.4%	11	11	0	-0.4%
29.6%	9	9	0	2.6%
30.9%	10	10	0	0.0%
32.1%	10	9	0	-2.1%
33.3%	9	9	0	0.0%
34.6%	9	9	0	0.5%
35.8%	9	9	0	0.0%
37.0%	9	9	0	0.0%
38.3%	9	9	0	0.0%
39.5%	9	9	0	-1.2%
40.7%	9	9	0	-0.1%
42.0%	9	9	0	0.0%
43.2%	8	8	0	0.0%
44.4%	8	8	0	0.0%
45.7%	8	8	0	0.0%
46.9%	8	8	0	0.0%
48.1%	8	8	0	0.0%
49.4%	8	8	0	0.0%
50.6%	8	8	0	0.0%
51.9%	8	8	0	0.0%
53.1%	7	8	0	4.2%
54.3%	7	7	0	1.5%
55.6%	7	7	0	1.5%
56.8%	7	7	0	0.7%
58.0%	7	7	0	1.3%
59.3%	7	7	0	0.0%
60.5%	7	6	0	-4.1%
61.7%	6	6	0	-1.0%
63.0%	6	6	0	-2.7%
64.2%	6	6	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-4.1%
67.9%	5	5	0	-2.4%
69.1%	5	5	0	-3.1%
70.4%	5	5	0	-0.3%
71.6%	5	5	0	-3.7%
72.8%	5	5	0	-1.5%
74.1%	5	5	0	0.0%
75.3%	5	5	0	5.3%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-0.1%
82.7%	4	4	0	-1.2%
84.0%	4	4	0	1.2%
85.2%	4	4	0	0.0%
86.4%	4	4	0	1.5%
87.7%	4	4	0	3.1%
88.9%	4	4	0	3.9%
90.1%	4	4	0	3.7%
91.4%	4	4	0	10.9%
92.6%	4	4	0	9.8%
93.8%	4	4	0	7.0%
95.1%	4	4	0	2.8%
96.3%	4	4	0	0.0%
97.5%	3	3	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

Percent Exceedance Probability	March			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	0.0%
1.2%	14	14	0	0.0%
2.5%	13	13	0	0.0%
3.7%	12	12	0	0.0%
4.9%	12	12	0	0.0%
6.2%	12	12	0	0.0%
7.4%	12	12	0	0.0%
8.6%	11	11	0	0.0%
9.9%	11	11	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	10	10	0	0.0%
18.5%	10	10	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	0.0%
24.7%	9	9	0	0.0%
25.9%	9	9	0	0.0%
27.2%	9	9	0	-0.6%
28.4%	9	9	0	-0.1%
29.6%	9	9	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	8	8	0	0.0%
34.6%	8	8	0	0.0%
35.8%	8	8	0	0.0%
37.0%	8	8	0	0.0%
38.3%	8	8	0	0.0%
39.5%	8	8	0	1.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	0.0%
43.2%	7	7	0	0.0%
44.4%	7	7	0	0.0%
45.7%	7	7	0	0.0%
46.9%	7	7	0	0.0%
48.1%	7	7	0	0.0%
49.4%	7	7	0	0.0%
50.6%	7	7	0	0.0%
51.9%	7	7	0	0.0%
53.1%	6	6	0	0.0%
54.3%	6	6	0	0.0%
55.6%	6	6	0	0.0%
56.8%	6	6	0	-0.3%
58.0%	6	6	0	-0.2%
59.3%	6	6	0	-3.8%
60.5%	6	5	0	-2.8%
61.7%	5	5	0	-0.6%
63.0%	5	5	0	-0.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	-0.1%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	1.0%
76.5%	4	4	0	1.5%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	-1.1%
81.5%	4	4	0	-1.3%
82.7%	4	4	0	-0.4%
84.0%	4	4	0	0.0%
85.2%	4	4	0	0.0%
86.4%	4	4	0	0.0%
87.7%	4	4	0	0.0%
88.9%	4	4	0	0.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	3	3	0	7.0%
97.5%	3	3	0	1.2%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

Percent Exceedance Probability	April			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.0%
1.2%	13	13	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	-0.1%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	-0.1%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.1%
24.7%	6	6	0	0.0%
25.9%	6	6	0	-2.4%
27.2%	6	6	0	-0.4%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	0.0%
30.9%	6	6	0	-1.6%
32.1%	6	6	0	-0.7%
33.3%	6	6	0	-0.4%
34.6%	6	6	0	-1.0%
35.8%	6	6	0	-1.6%
37.0%	6	6	0	-1.4%
38.3%	6	6	0	-1.6%
39.5%	6	6	0	-1.3%
40.7%	6	6	0	0.0%
42.0%	6	6	0	-2.1%
43.2%	6	6	0	-2.5%
44.4%	6	5	0	-6.5%
45.7%	6	5	0	-6.3%
46.9%	5	5	0	-4.5%
48.1%	5	5	0	-5.2%
49.4%	5	5	0	-2.2%
50.6%	5	5	0	-0.5%
51.9%	5	5	0	-0.5%
53.1%	5	5	0	0.1%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	4	0	-5.1%
58.0%	5	4	0	-4.4%
59.3%	5	4	0	-3.8%
60.5%	4	4	0	-2.4%
61.7%	4	4	0	-2.5%
63.0%	4	4	0	-2.2%
64.2%	4	4	0	-2.9%
65.4%	4	4	0	-2.4%
66.7%	4	4	0	-3.2%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	1.0%
72.8%	4	4	0	1.3%
74.1%	4	4	0	1.4%
75.3%	4	4	0	1.4%
76.5%	4	4	0	1.5%
77.8%	4	4	0	1.9%
79.0%	4	4	0	3.8%
80.2%	4	4	0	4.0%
81.5%	4	4	0	4.2%
82.7%	4	4	0	6.3%
84.0%	4	4	0	6.6%
85.2%	4	4	0	6.6%
86.4%	4	4	0	6.6%
87.7%	4	4	0	6.0%
88.9%	4	4	0	5.8%
90.1%	4	4	0	5.1%
91.4%	4	4	0	4.9%
92.6%	4	4	0	4.8%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	3	4	1	21.3%
98.8%	3	4	1	21.3%
100.0%	3	4	1	14.7%

Percent Exceedance Probability	May			
	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	6.9%
6.2%	5	6	0	3.1%
7.4%	5	5	0	1.7%
8.6%	5	5	0	3.2%
9.9%	5	5	0	5.2%
11.1%	5	5	0	2.2%
12.3%	5	5	0	0.3%
13.6%	5	5	0	0.2%
14.8%	5	5	0	0.4%
16.0%	5	5	0	-0.7%
17.3%	5	5	0	-0.8%
18.5%	5	5	0	-1.4%
19.8%	5	5	0	-0.9%
21.0%	5	5	0	-1.3%
22.2%	5	5	0	-1.0%
23.5%	5	5	0	-0.8%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.4%
39.5%	5	5	0	1.3%
40.7%	5	5	0	2.6%
42.0%	5	5	0	4.3%
43.2%	5	5	0	2.1%
44.4%	5	5	0	3.6%
45.7%	4	5	0	3.8%
46.9%	4	4	0	1.5%
48.1%	4	4	0	0.0%
49.4%	4	4	0	0.0%
50.6%	4	4	0	0.0%
51.9%	4	4	0	-0.4%
53.1%	4	4	0	0.2%
54.3%	4	4	0	0.8%
55.6%	4	4	0	1.2%</

Table SW-58-b  
American River at Fair Oaks, Monthly Stage  
Probability of Exceedance

June					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	6	0	-2.0%	
1.2%	6	6	0	7.5%	
2.5%	6	6	0	6.4%	
3.7%	5	6	1	15.6%	
4.9%	5	6	0	4.1%	
6.2%	5	6	0	2.4%	
7.4%	5	5	0	2.7%	
8.6%	5	5	0	-2.8%	
9.9%	5	5	0	-4.7%	
11.1%	5	5	0	-4.9%	
12.3%	5	5	0	-4.2%	
13.6%	5	5	0	-6.7%	
14.8%	5	5	0	-6.8%	
16.0%	5	5	0	-4.2%	
17.3%	5	5	0	-3.4%	
18.5%	5	5	0	-2.8%	
19.8%	5	5	0	-2.0%	
21.0%	5	5	0	-2.0%	
22.2%	5	5	0	-1.8%	
23.5%	5	5	0	-1.0%	
24.7%	5	5	0	-1.0%	
25.9%	5	5	0	-0.8%	
27.2%	5	5	0	0.0%	
28.4%	5	5	0	0.0%	
29.6%	5	5	0	-5.0%	
30.9%	5	5	0	0.0%	
32.1%	5	5	0	0.0%	
33.3%	5	5	0	0.0%	
34.6%	5	5	0	0.0%	
35.8%	5	5	0	0.0%	
37.0%	5	5	0	0.0%	
38.3%	5	5	0	0.0%	
39.5%	5	5	0	0.0%	
40.7%	5	5	0	-0.2%	
42.0%	5	5	0	-2.6%	
43.2%	5	5	0	-2.9%	
44.4%	5	5	0	-7.6%	
45.7%	5	5	0	-2.5%	
46.9%	5	5	0	-0.8%	
48.1%	5	5	0	-0.6%	
49.4%	5	5	0	0.1%	
50.6%	5	5	0	0.0%	
51.9%	5	5	0	0.0%	
53.1%	5	5	0	0.5%	
54.3%	4	5	0	2.8%	
55.6%	4	5	0	3.0%	
56.8%	4	5	0	3.9%	
58.0%	4	5	0	4.7%	
59.3%	4	5	0	5.4%	
60.5%	4	5	0	6.8%	
61.7%	4	5	0	6.5%	
63.0%	4	5	0	6.2%	
64.2%	4	5	0	6.3%	
65.4%	4	4	0	7.1%	
66.7%	4	4	0	6.3%	
67.9%	4	4	0	6.9%	
69.1%	4	4	0	7.3%	
70.4%	4	4	0	7.4%	
71.6%	4	4	0	7.3%	
72.8%	4	4	0	6.7%	
74.1%	4	4	0	6.6%	
75.3%	4	4	0	6.7%	
76.5%	4	4	0	6.6%	
77.8%	4	4	0	3.3%	
79.0%	4	4	0	9.1%	
80.2%	4	4	0	11.2%	
81.5%	4	4	0	10.2%	
82.7%	4	4	0	9.5%	
84.0%	4	4	0	10.3%	
85.2%	4	4	0	9.4%	
86.4%	4	4	0	9.4%	
87.7%	4	4	0	9.2%	
88.9%	4	4	0	8.1%	
90.1%	4	4	0	6.9%	
91.4%	4	4	0	5.9%	
92.6%	4	4	0	-0.3%	
93.8%	4	4	0	2.0%	
95.1%	4	4	0	1.6%	
96.3%	4	4	0	0.7%	
97.5%	3	3	0	4.7%	
98.8%	3	3	0	1.5%	
100.0%	3	3	0	2.3%	

July					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	0.0%	
2.5%	7	7	0	0.0%	
3.7%	7	7	0	0.0%	
4.9%	7	7	0	0.0%	
6.2%	7	7	0	-3.2%	
7.4%	7	7	0	-4.0%	
8.6%	7	7	0	-4.9%	
9.9%	7	7	0	-7.9%	
11.1%	7	7	-1	-8.0%	
12.3%	7	6	-1	-9.9%	
13.6%	7	6	-1	-9.4%	
14.8%	7	6	-1	-10.3%	
16.0%	7	6	-1	-13.3%	
17.3%	7	6	-1	-13.7%	
18.5%	7	6	-1	-13.5%	
19.8%	7	6	-1	-13.8%	
21.0%	7	6	-1	-14.2%	
22.2%	7	6	-1	-14.1%	
23.5%	7	6	-1	-13.9%	
24.7%	7	6	-1	-14.1%	
25.9%	7	6	-1	-14.5%	
27.2%	7	6	-1	-14.0%	
28.4%	7	6	-1	-14.2%	
29.6%	6	6	-1	-13.4%	
30.9%	6	6	-1	-13.1%	
32.1%	6	6	-1	-13.0%	
33.3%	6	5	-1	-15.0%	
34.6%	6	5	-1	-14.6%	
35.8%	6	5	-1	-13.5%	
37.0%	6	5	-1	-12.3%	
38.3%	6	5	-1	-12.0%	
39.5%	6	5	-1	-11.6%	
40.7%	6	5	-1	-11.8%	
42.0%	6	5	-1	-11.8%	
43.2%	6	5	-1	-11.2%	
44.4%	6	5	0	-7.5%	
45.7%	6	5	0	-7.3%	
46.9%	6	5	0	-6.6%	
48.1%	6	5	0	-6.3%	
49.4%	6	5	0	-6.5%	
50.6%	6	5	0	-5.8%	
51.9%	6	5	-1	-10.3%	
53.1%	6	5	-1	-10.5%	
54.3%	6	5	-1	-10.4%	
55.6%	6	5	-1	-10.0%	
56.8%	6	5	-1	-9.4%	
58.0%	5	5	0	-8.8%	
59.3%	5	5	0	-8.7%	
60.5%	5	5	0	-7.6%	
61.7%	5	5	0	-7.4%	
63.0%	5	5	0	-6.8%	
64.2%	5	5	0	-6.1%	
65.4%	5	5	0	-6.0%	
66.7%	5	5	0	-5.9%	
67.9%	5	5	0	-0.2%	
69.1%	5	5	0	-0.3%	
70.4%	5	5	0	-0.4%	
71.6%	5	5	0	0.9%	
72.8%	5	5	0	1.6%	
74.1%	5	5	0	1.3%	
75.3%	5	5	0	0.5%	
76.5%	5	5	0	-0.5%	
77.8%	5	5	0	-1.8%	
79.0%	5	5	0	-1.6%	
80.2%	5	5	0	-3.0%	
81.5%	5	5	0	-3.0%	
82.7%	5	5	0	-3.5%	
84.0%	5	5	0	-2.6%	
85.2%	4	4	0	-4.5%	
86.4%	5	4	0	-4.1%	
87.7%	4	4	0	-0.9%	
88.9%	4	4	0	0.5%	
90.1%	4	4	0	1.4%	
91.4%	4	4	0	6.5%	
92.6%	4	4	0	4.9%	
93.8%	4	4	0	3.7%	
95.1%	4	4	0	6.3%	
96.3%	4	4	0	0.8%	
97.5%	3	3	0	7.7%	
98.8%	3	3	0	8.7%	
100.0%	3	3	0	4.3%	

August					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	6	6	-1	-9.1%	
1.2%	6	5	-1	-10.5%	
2.5%	6	5	0	-5.3%	
3.7%	6	5	-1	-9.3%	
4.9%	5	5	0	-5.5%	
6.2%	5	5	0	-4.7%	
7.4%	5	5	0	-0.3%	
8.6%	5	5	0	0.6%	
9.9%	5	5	0	2.8%	
11.1%	5	5	0	3.8%	
12.3%	5	5	0	3.4%	
13.6%	5	5	0	1.5%	
14.8%	5	5	0	0.1%	
16.0%	5	5	0	0.0%	
17.3%	5	5	0	0.0%	
18.5%	5	5	0	0.0%	
19.8%	5	5	0	0.0%	
21.0%	5	5	0	0.0%	
22.2%	5	5	0	0.0%	
23.5%	5	5	0	0.0%	
24.7%	5	5	0	0.0%	
25.9%	5	5	0	0.0%	
27.2%	5	5	0	-1.0%	
28.4%	5	5	0	-1.2%	
29.6%	5	5	-1	-1.3%	
30.9%	5	5	0	-1.8%	
32.1%	5	5	0	-1.5%	
33.3%	5	5	0	-0.7%	
34.6%	5	5	0	-0.8%	
35.8%	5	5	0	1.7%	
37.0%	4	5	0	2.5%	
38.3%	4	5	0	3.3%	
39.5%	4	5	0	3.4%	
40.7%	4	5	0	3.3%	
42.0%	4	5	0	3.5%	
43.2%	4	5	0	4.1%	
44.4%	4	5	0	4.3%	
45.7%	4	5	0	4.3%	
46.9%	4	5	0	4.8%	
48.1%	4	5	0	6.9%	
49.4%	4	4	0	6.6%	
50.6%	4	4	0	6.5%	
51.9%	4	4	0	6.7%	
53.1%	4	4	0	7.7%	
54.3%	4	4	0	7.8%	
55.6%	4	4	0	7.7%	
56.8%	4	4	0	7.3%	
58.0%	4	4	0	7.3%	
59.3%	4	4	0	8.3%	
60.5%	4	4	0	7.5%	
61.7%	4	4	0	7.2%	
63.0%	4	4	0	6.7%	
64.2%	4	4	0	6.9%	
65.4%	4	4	0	7.2%	
66.7%	4	4	0	6.8%	
67.9%	4	4	0	6.5%	
69.1%	4	4	0	6.3%	
70.4%	4	4	0	7.2%	
71.6%	4	4	0	8.9%	
72.8%	4	4	0	6.0%	
74.1%	4	4	0	6.3%	
75.3%	4	4	0	6.6%	
76.5%	4	4	0	6.3%	
77.8%	4	4	0	6.3%	
79.0%	4	4	0	6.9%	
80.2%	4	4	0	5.8%	
81.5%	4	4	0	3.6%	
82.7%	4	4	0	2.0%	
84.0%	4	4	0	1.5%	
85.2%	4	4	0	1.3%	
86.4%	4	4	0	1.1%	
87.7%	4	4	0	0.7%	
88.9%	4	4	0	0.6%	
90.1%	4	4	0	2.9%	
91.4%	4	4	0	5.5%	
92.6%	3	4	0	9.4%	
93.8%	3	4	0	8.3%	
95.1%	3	4	0	9.2%	
96.3%	3	4	0	10.0%	
97.5%	3	4	0	7.8%	
98.8%	3	4	0	7.4%	
100.0%	3	3	0	3.3%	

September					
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	-3.6%	
1.2%	7	6	0	-3.1%	
2.5%	6	6	0	-0.8%	
3.7%	6	6	0	-2.5%	
4.9%	6	6	0	-1.2%	
6.2%	6	6	0	0.8%	
7.4%	6	6	0	0.5%	
8.6%	6	6	0	0.0%	
9.9%	6	6	0	-3.7%	
11.1%	6	6	0	-4.9%	
12.3%	6	5	0	-6.2%	
13.6%	6	5	0	-5.3%	
14.8%	6	5	0	-5.3%	
16.0%	6	5	0	-5.5%	
17.3%	5	5	0	-4.1%	
18.5%	5	5	0	-2.5%	
19.8%	5	5	0	-1.9%	
21.0%	5	5	0	-4.4%	
22.2%	5	5	0	-4.1%	
23.5%	5	5	0	-3.9%	
24.7%	5	5	0		