CVP San Luis Reservoir

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	423	528	671	789	972	972	941	862	717	525	378	377
20%	262	388	570	728	885	972	879	758	581	448	308	244
30%	221	367	550	687	804	930	836	701	507	347	205	200
40%	187	347	513	652	763	871	800	630	435	241	143	141
50%	182	327	490	594	719	825	746	582	379	222	107	127
60%	164	294	464	568	651	722	658	487	303	178	90	113
70%	155	274	431	535	596	657	587	441	267	143	63	99
80%	139	209	360	482	541	593	537	392	207	105	45	90
90%	104	148	277	434	489	530	490	352	155	56	45	65
Long Term												
Full Simulation Period	217	330	493	616	709	777	712	577	404	261	171	178
Water Year Types												
Wet	230	346	525	677	824	925	859	729	581	362	252	241
Above Normal	231	375	535	653	766	876	790	630	437	201	133	128
Below Normal	227	343	526	627	701	758	697	561	373	276	187	214
Dry	183	268	424	532	582	636	573	429	249	184	96	121
Critical	208	316	428	546	591	584	532	427	251	194	118	124

Existing - Alternative 6

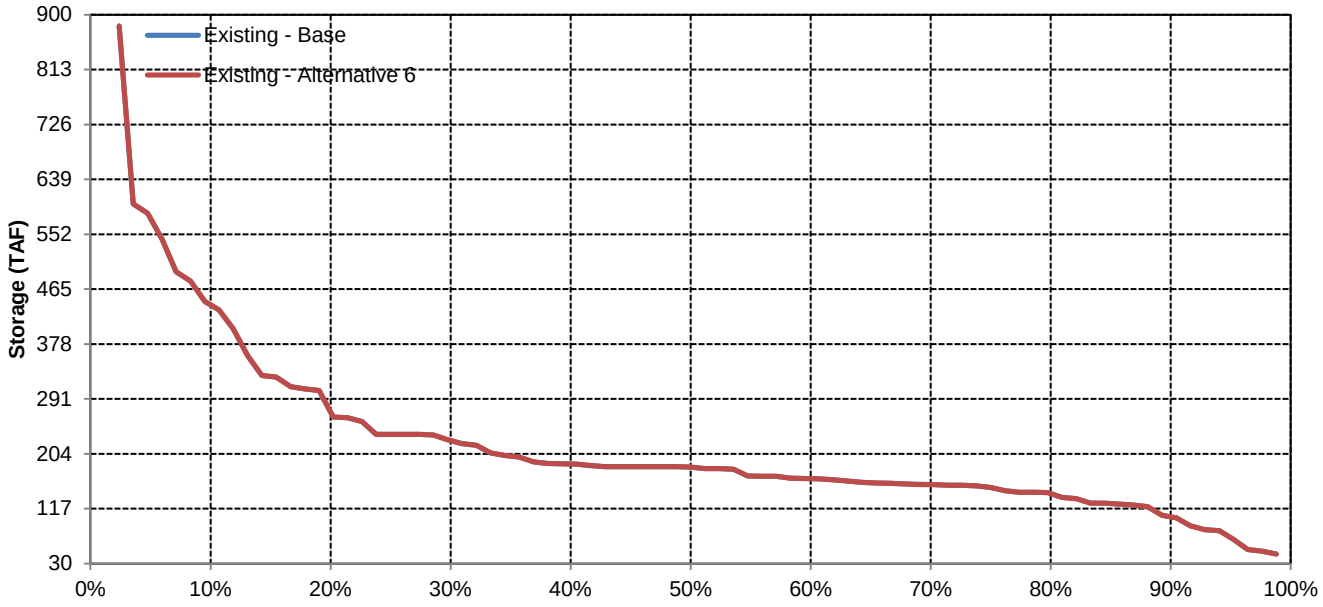
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	423	528	671	789	972	972	941	862	718	525	378	377
20%	262	388	570	728	885	972	879	758	581	448	308	244
30%	221	367	550	687	804	930	836	701	507	347	205	200
40%	187	347	513	652	763	871	800	630	435	241	143	141
50%	182	327	490	594	719	825	746	582	379	222	107	127
60%	164	294	464	568	651	722	658	487	303	178	90	113
70%	155	274	431	535	596	657	587	441	267	143	63	99
80%	139	210	360	482	541	593	537	391	207	105	45	90
90%	104	148	277	434	489	530	490	352	155	56	45	65
Long Term												
Full Simulation Period	217	330	493	616	709	777	712	577	404	261	171	178
Water Year Types												
Wet	230	346	525	677	824	925	859	729	581	362	252	241
Above Normal	231	375	535	653	766	876	790	630	437	201	133	128
Below Normal	227	343	526	627	701	758	697	561	373	276	187	214
Dry	183	268	424	532	582	636	573	429	249	184	96	121
Critical	208	316	428	546	591	584	532	427	251	194	118	124

Existing - Alternative 6 Minus Existing - Base

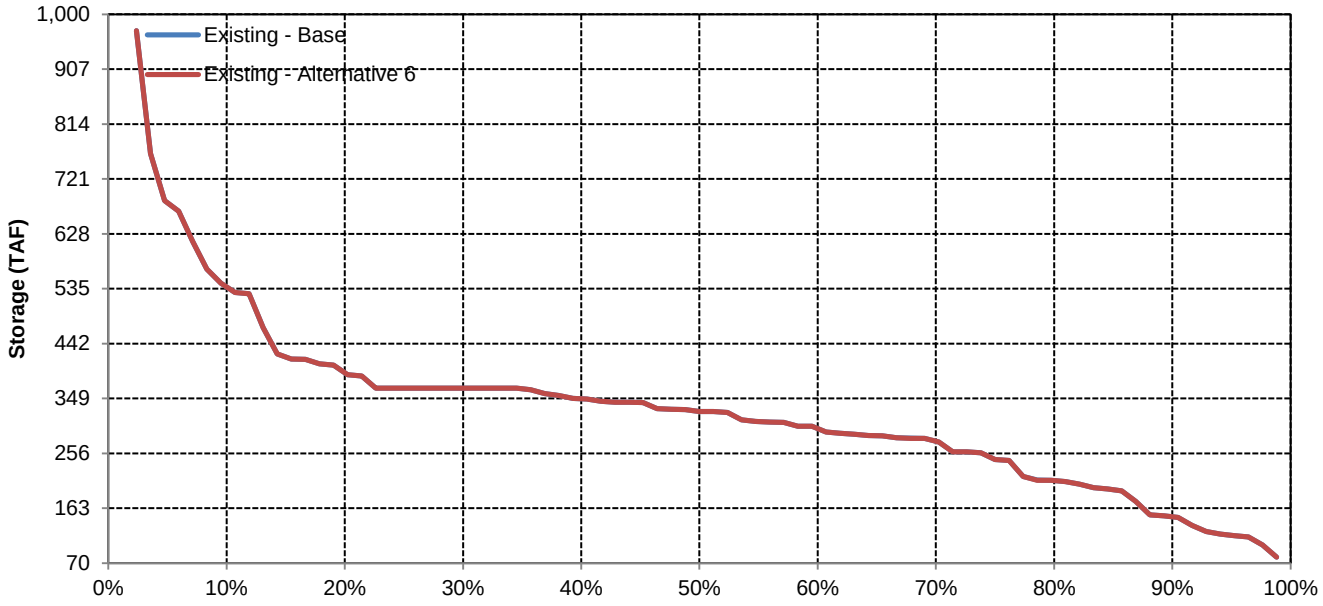
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0

CVP San Luis Reservoir

October

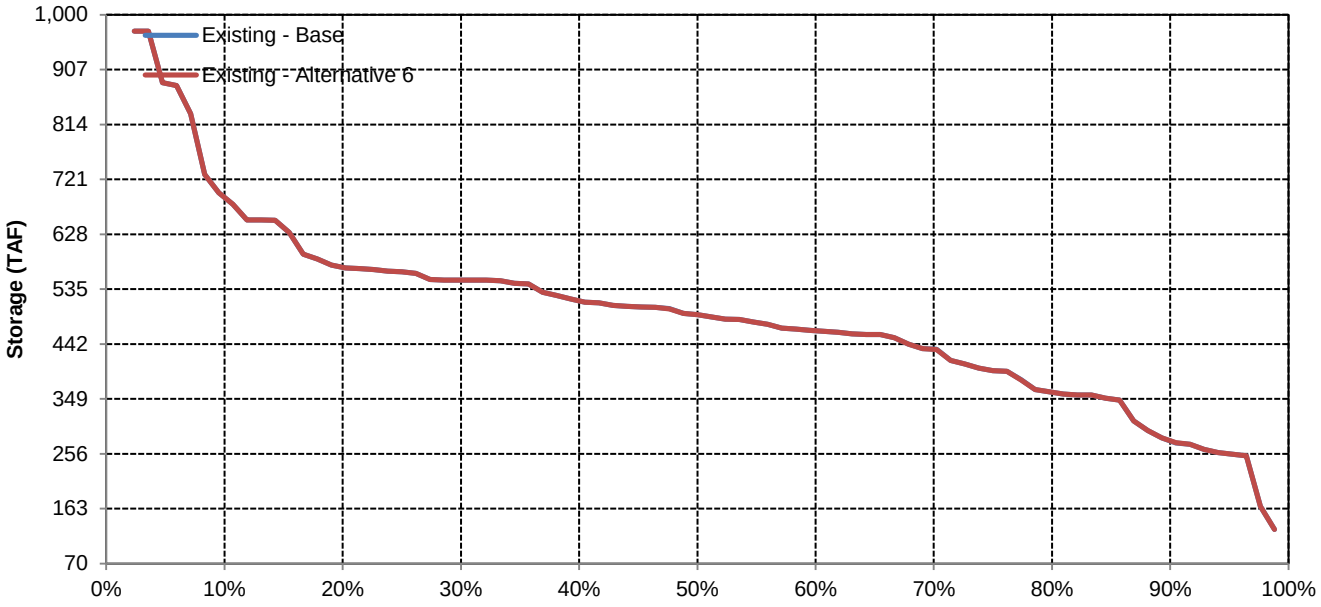


November

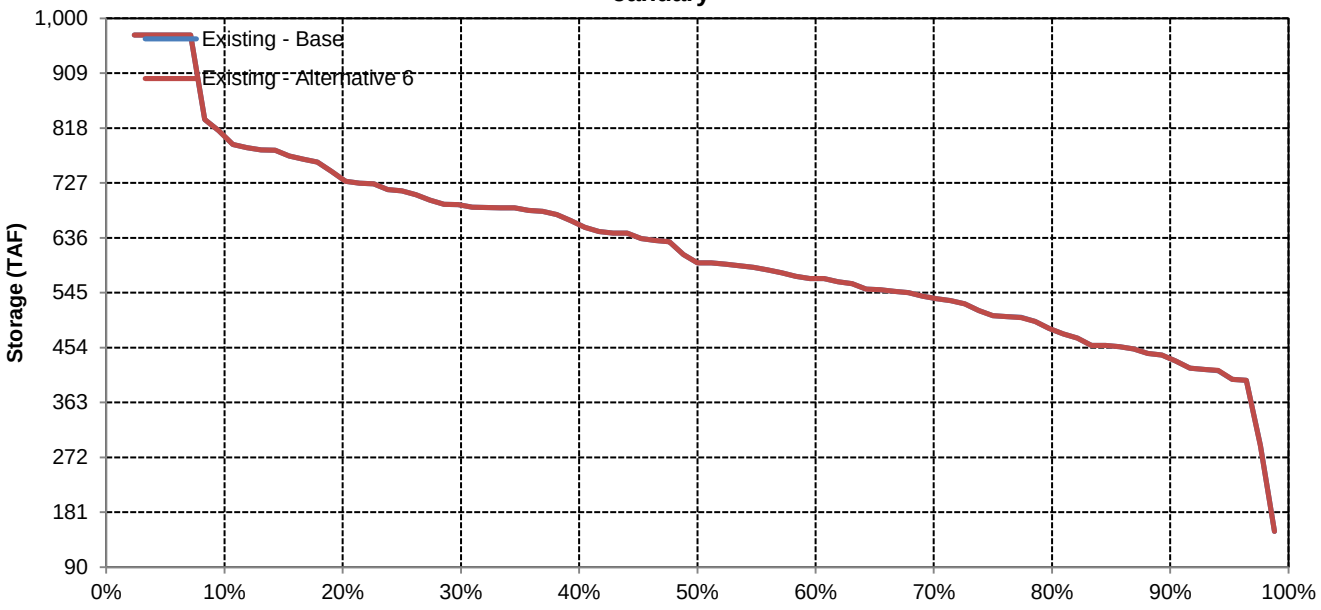


CVP San Luis Reservoir

December

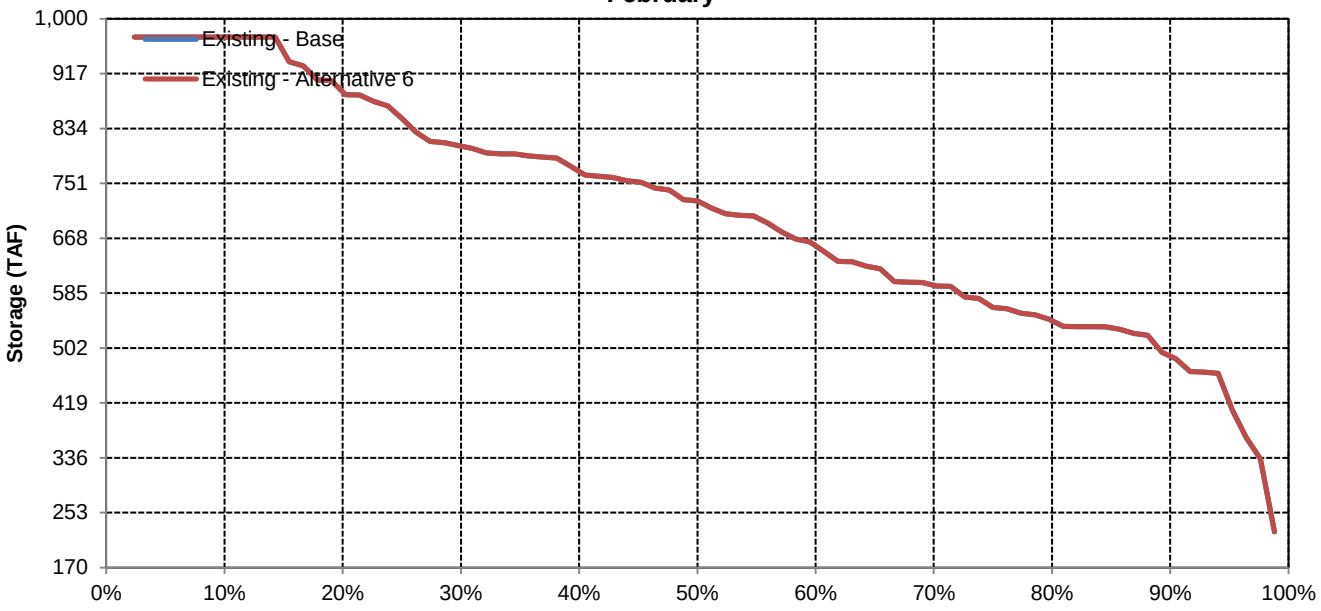


January

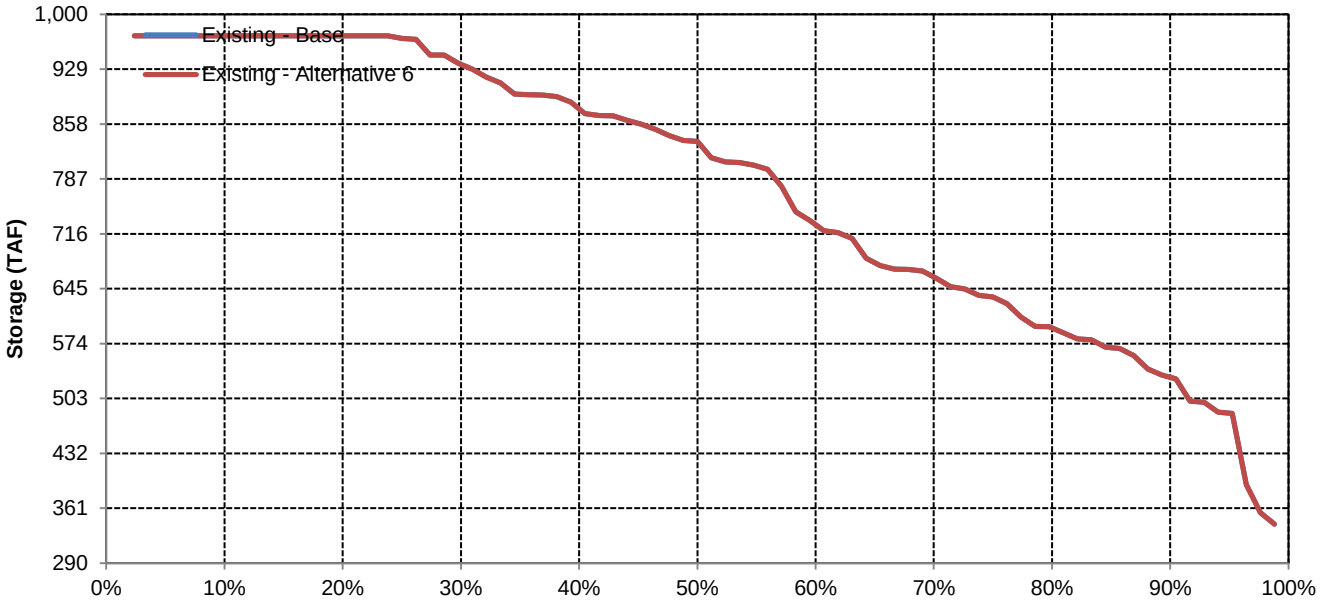


CVP San Luis Reservoir

February

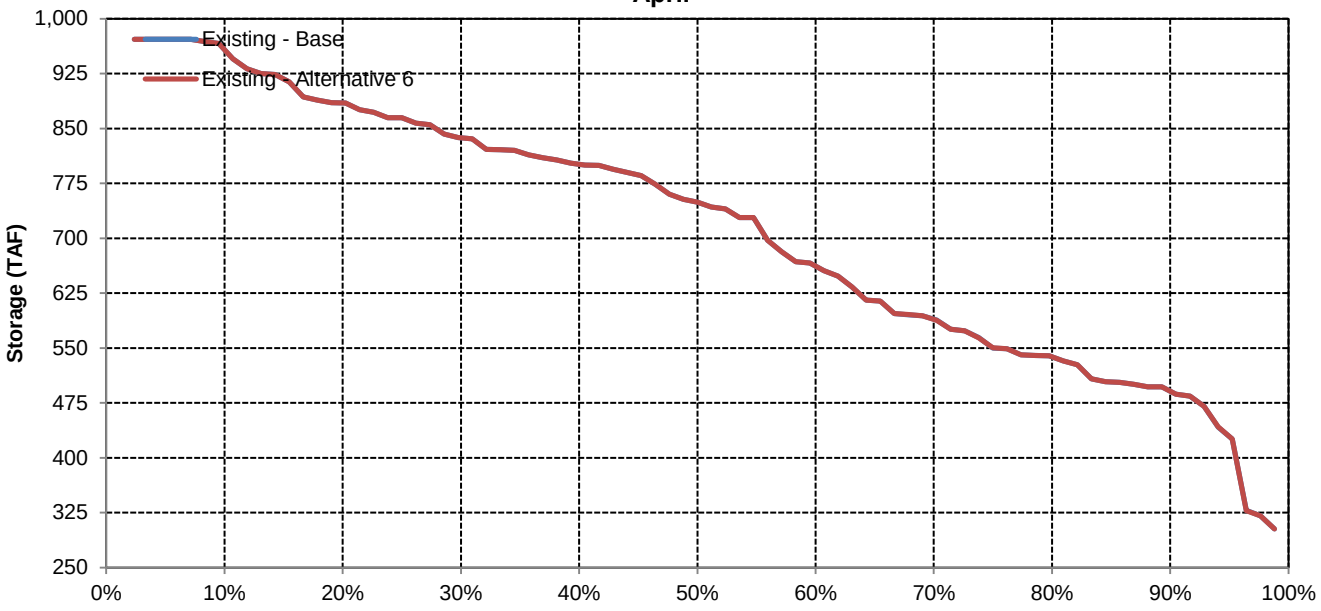


March

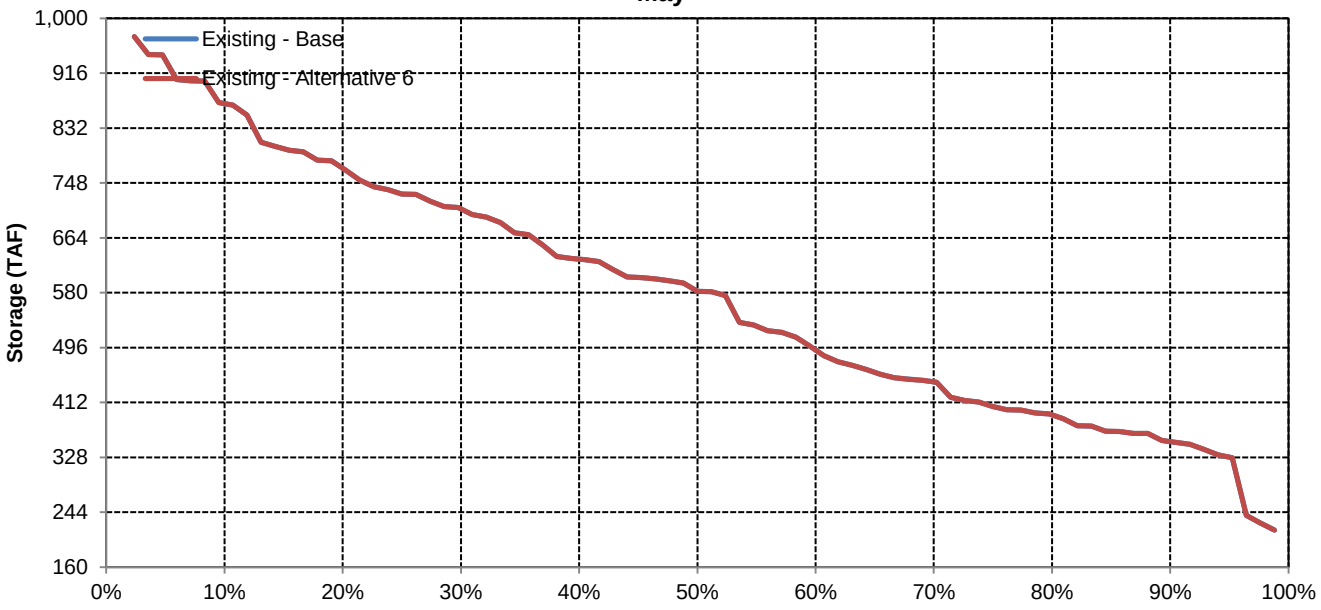


CVP San Luis Reservoir

April

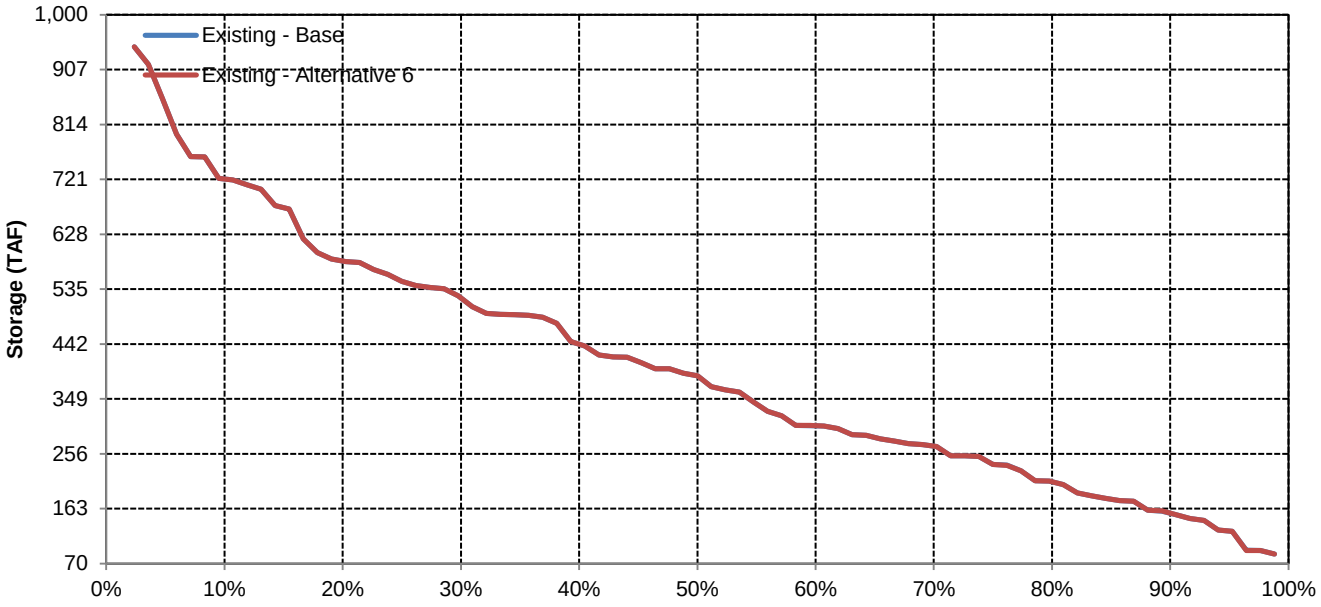


May

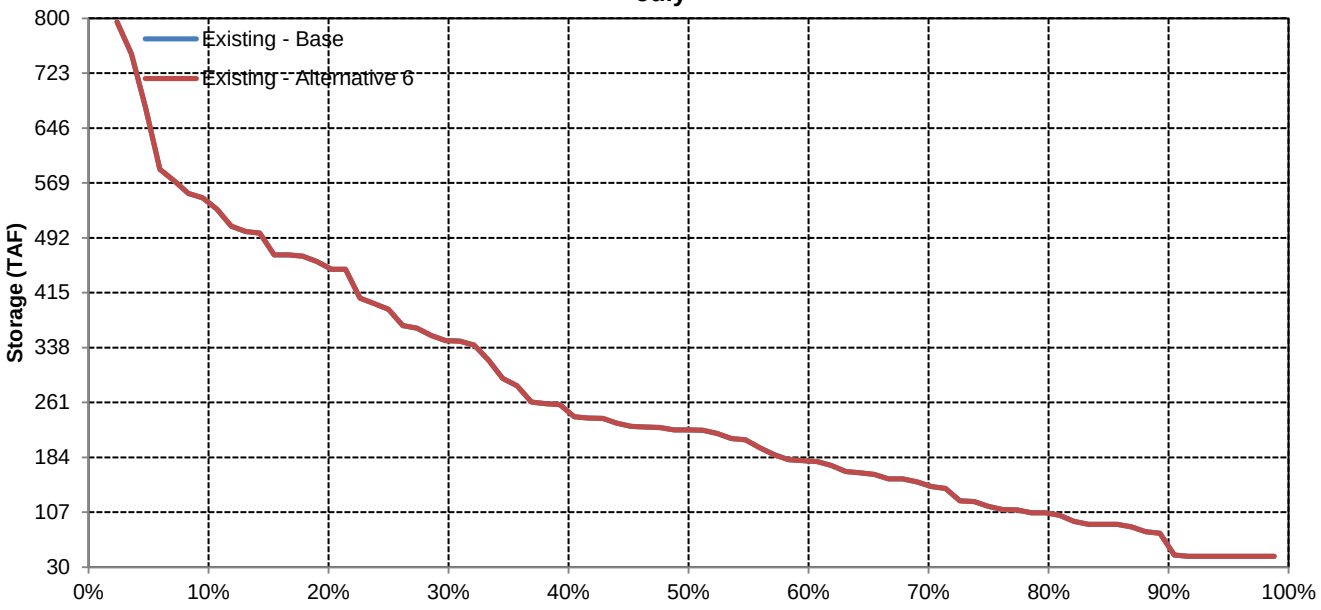


CVP San Luis Reservoir

June

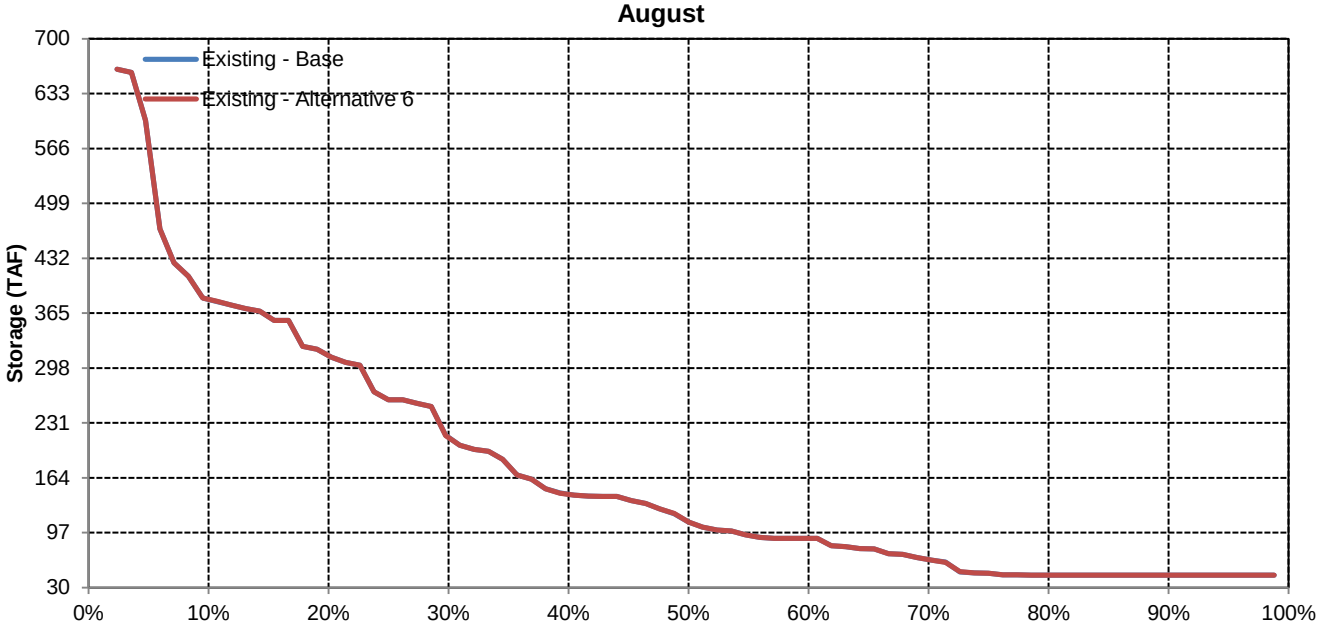


July

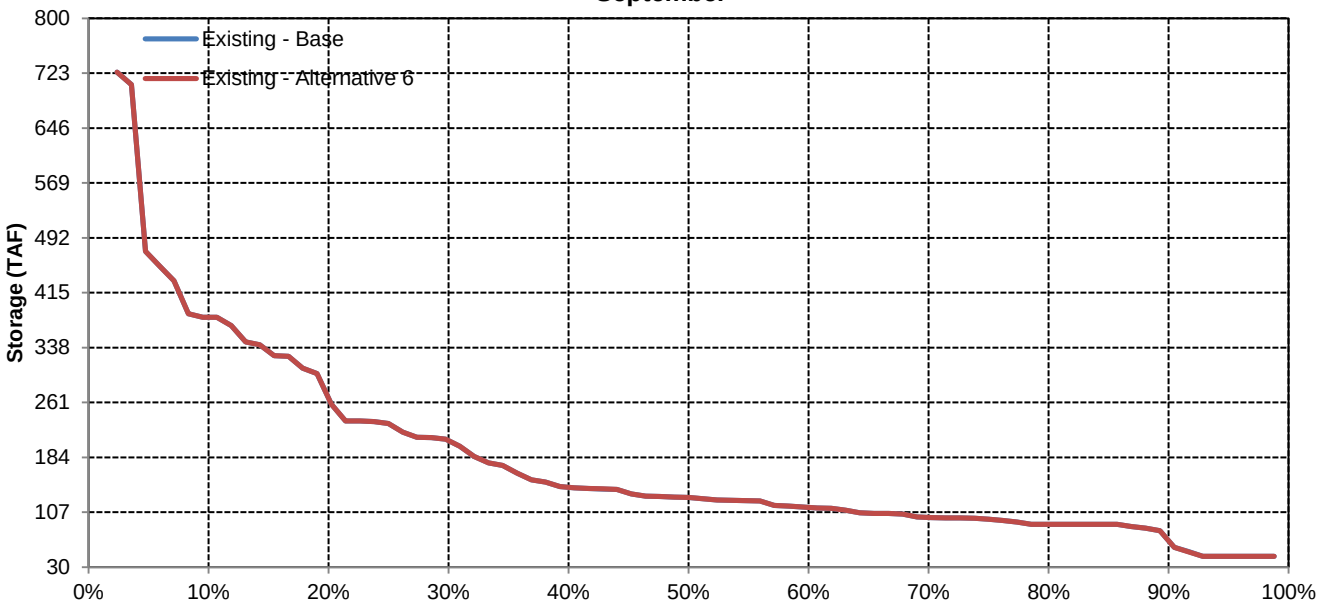


CVP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of SWP San Luis Reservoir Under Existing - Base and Existing - Alternative 6

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Existing - Base	244	268	372	541	678	802	720	562	380	374	324	288
Existing - Alternative 6	244	268	372	541	678	802	720	562	380	374	324	288
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%
						Water Year-Types						
Wet												
Existing - Base	272	333	431	651	850	980	865	667	471	448	428	363
Existing - Alternative 6	272	333	431	651	850	980	865	667	471	448	428	363
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%
Above Normal												
Existing - Base	259	253	386	576	716	886	757	532	307	308	323	276
Existing - Alternative 6	259	253	386	576	716	886	757	532	307	308	322	276
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%
Below Normal												
Existing - Base	220	246	386	500	622	751	675	512	329	374	370	342
Existing - Alternative 6	220	246	386	500	622	751	675	512	329	374	370	342
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%
Dry												
Existing - Base	209	219	300	450	552	670	620	509	348	358	229	234
Existing - Alternative 6	209	219	300	450	552	670	620	509	348	358	229	234
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%
Critical												
Existing - Base	249	245	312	459	533	591	579	511	376	305	168	137
Existing - Alternative 6	249	245	312	459	533	591	579	511	376	305	168	137
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%

SWP San Luis Reservoir

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	454	566	739	973	1,067	1,067	956	791	630	652	562	423
20%	354	407	561	738	914	1,067	931	704	511	491	470	331
30%	313	356	473	654	833	954	863	657	444	447	402	321
40%	255	303	402	546	714	879	804	584	415	402	358	310
50%	218	224	321	495	686	844	737	527	355	358	309	310
60%	199	169	291	431	584	715	642	488	303	309	267	298
70%	163	109	225	389	528	656	584	450	261	255	201	242
80%	121	76	155	325	466	573	528	396	209	231	155	164
90%	55	55	80	262	364	509	458	352	163	166	114	104
Long Term												
Full Simulation Period	244	268	372	541	678	802	720	562	380	374	324	288
Water Year Types												
Wet	272	333	431	651	850	980	865	667	471	448	428	363
Above Normal	259	253	386	576	716	886	757	532	307	308	323	276
Below Normal	220	246	386	500	622	751	675	512	329	374	370	342
Dry	209	219	300	450	552	670	620	509	348	358	229	234
Critical	249	245	312	459	533	591	579	511	376	305	168	137

Existing - Alternative 6

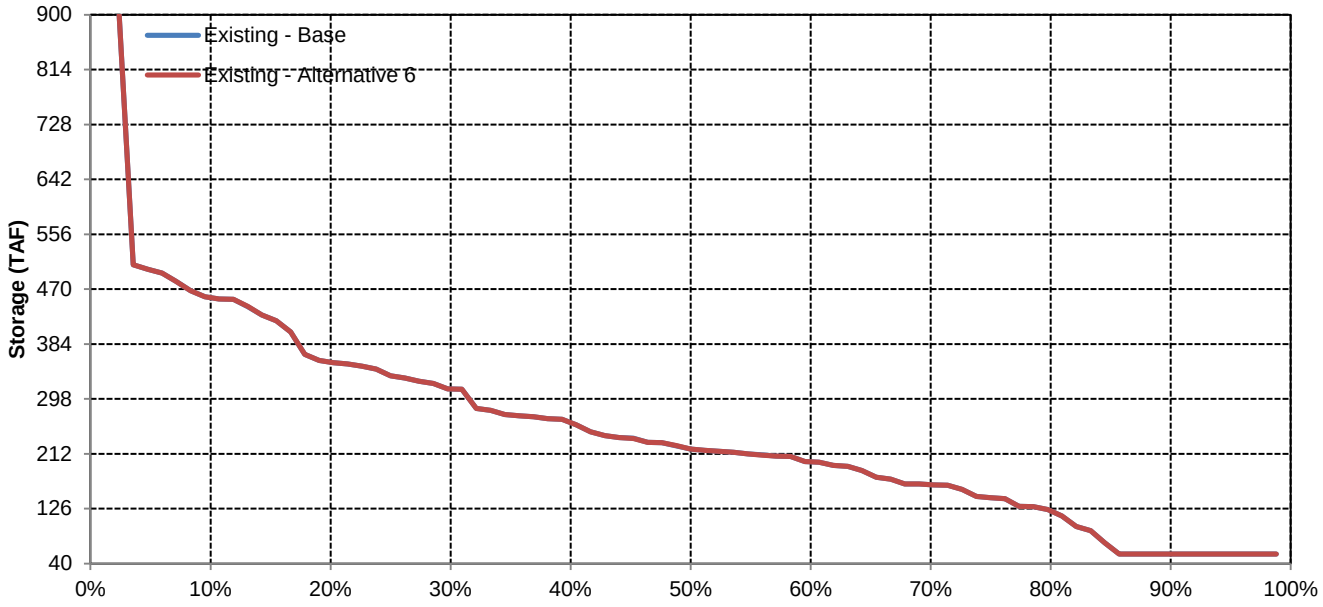
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	454	566	738	973	1,067	1,067	956	791	630	652	562	423
20%	354	407	561	738	914	1,067	931	704	511	491	470	331
30%	313	356	473	654	833	954	863	657	444	447	402	321
40%	255	303	402	546	714	879	804	584	415	402	358	310
50%	218	224	321	495	686	844	737	527	355	358	309	310
60%	199	169	291	431	584	715	642	488	303	309	267	298
70%	163	109	225	389	528	656	584	450	261	255	201	241
80%	121	76	155	325	466	573	528	396	209	231	155	164
90%	55	55	80	262	364	509	458	352	163	166	114	104
Long Term												
Full Simulation Period	244	268	372	541	678	802	720	562	380	374	324	288
Water Year Types												
Wet	272	333	431	651	850	980	865	667	471	448	428	363
Above Normal	259	253	386	576	716	886	757	532	307	308	322	276
Below Normal	220	246	386	500	622	751	675	512	329	374	370	342
Dry	209	219	300	450	552	670	620	509	348	358	229	234
Critical	249	245	312	459	533	591	579	511	376	305	168	137

Existing - Alternative 6 Minus Existing - Base

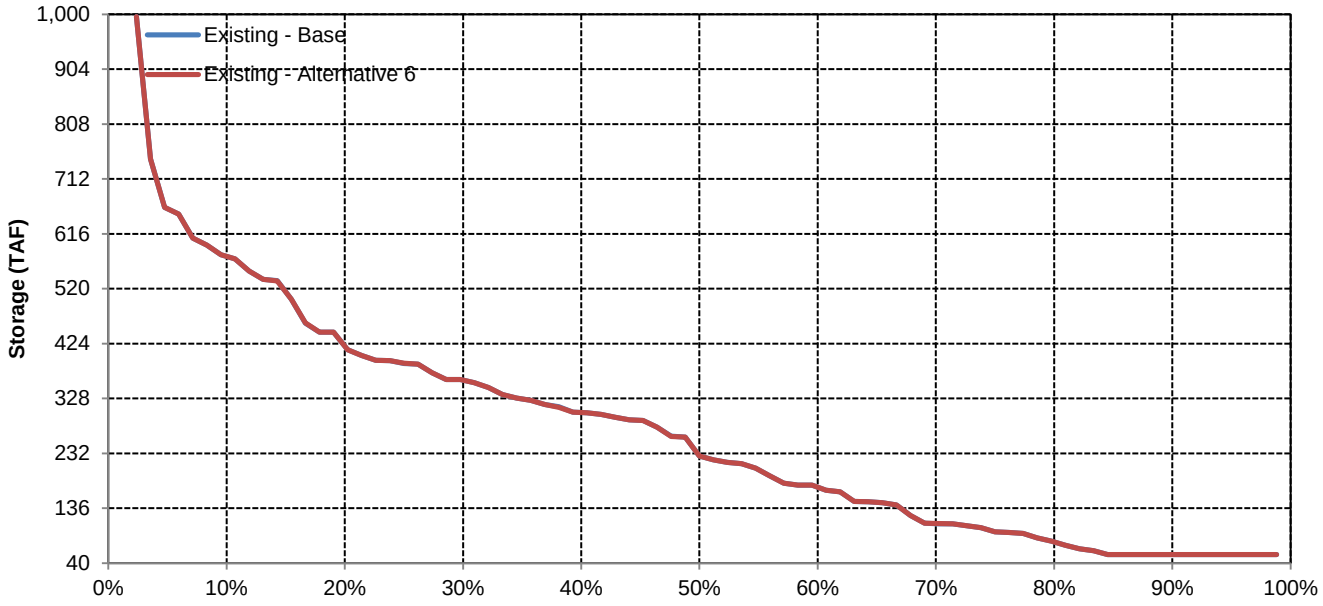
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0

SWP San Luis Reservoir

October

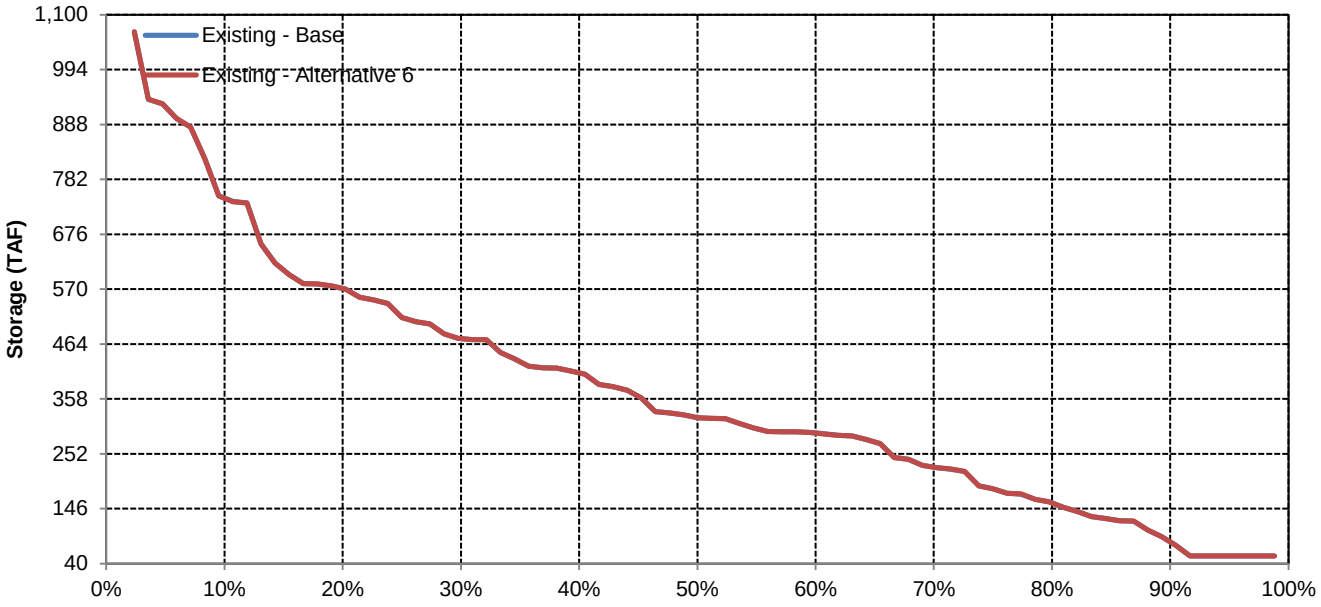


November

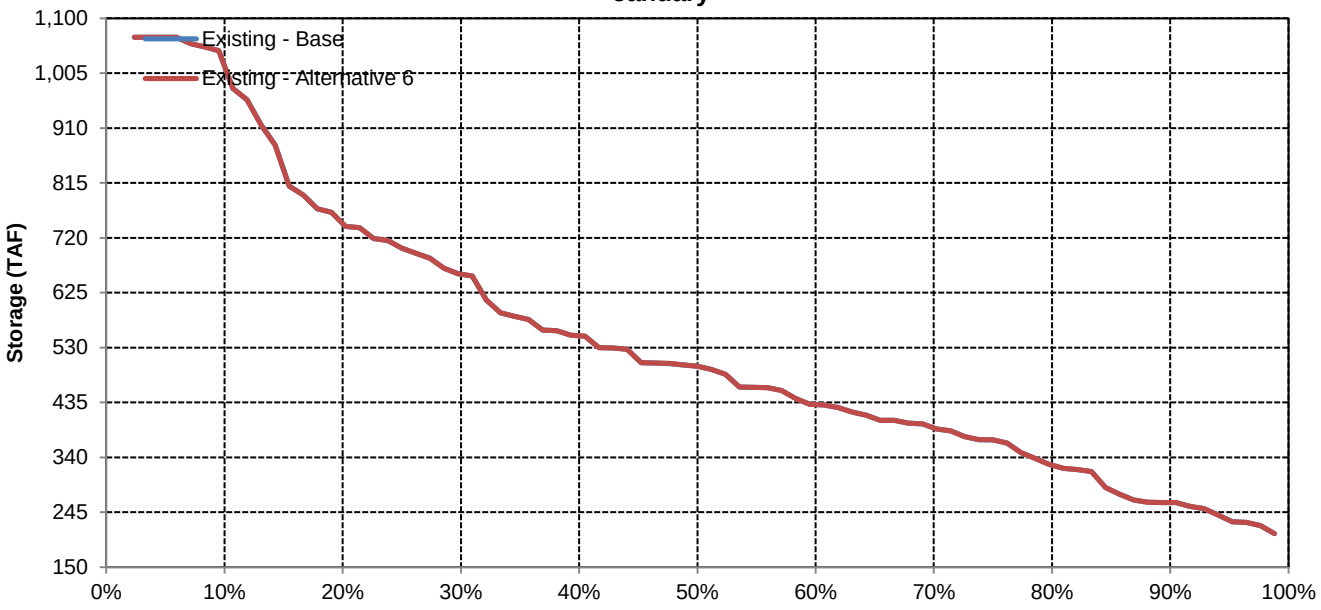


SWP San Luis Reservoir

December

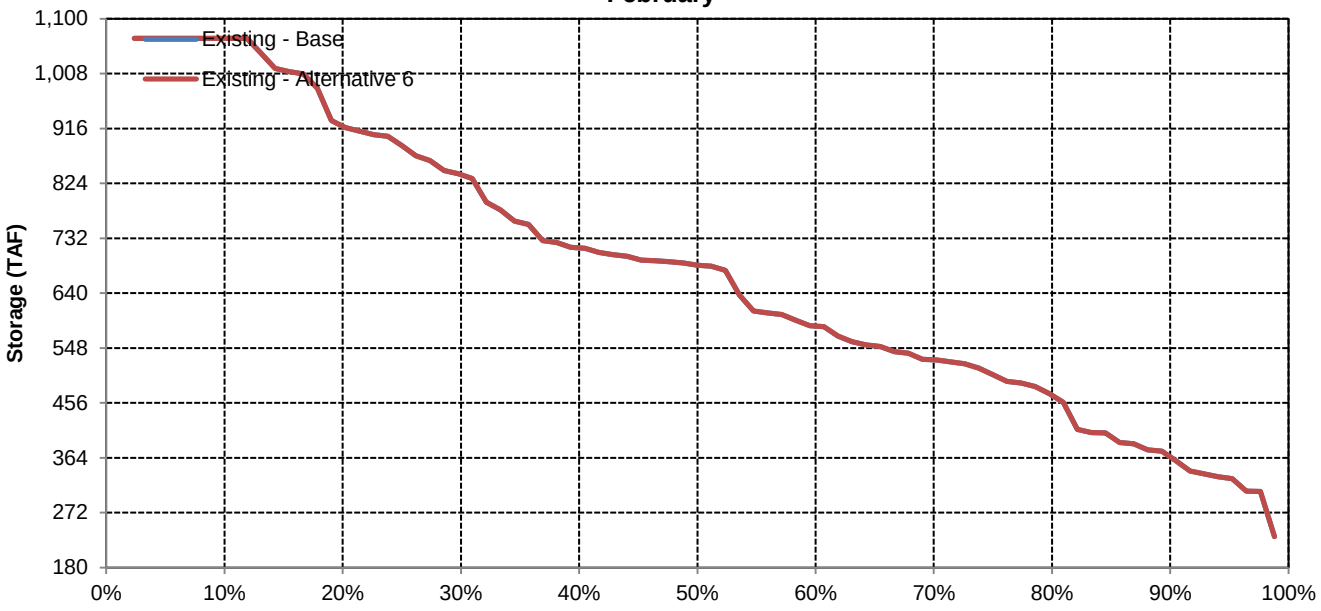


January

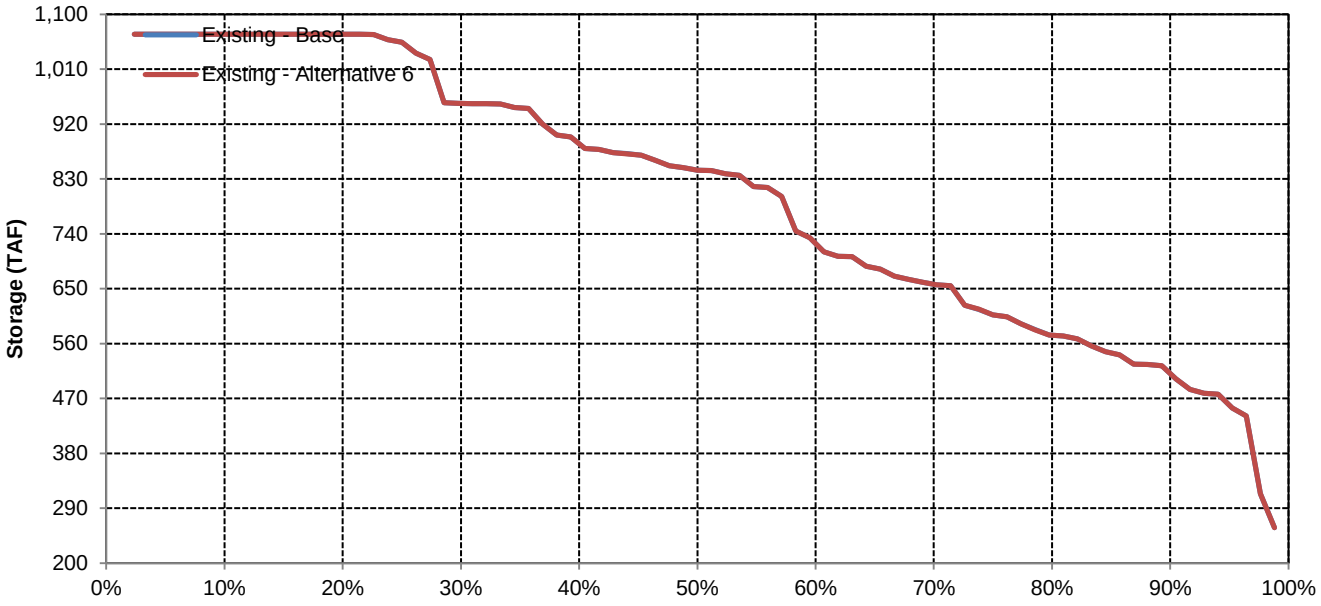


SWP San Luis Reservoir

February

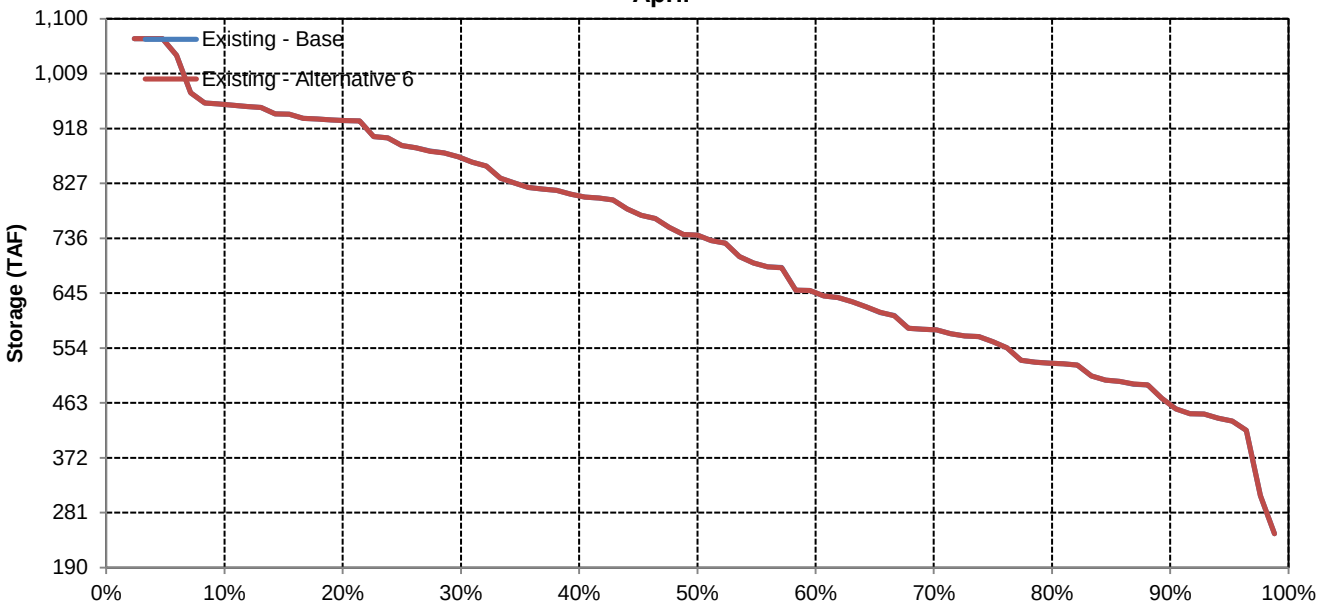


March

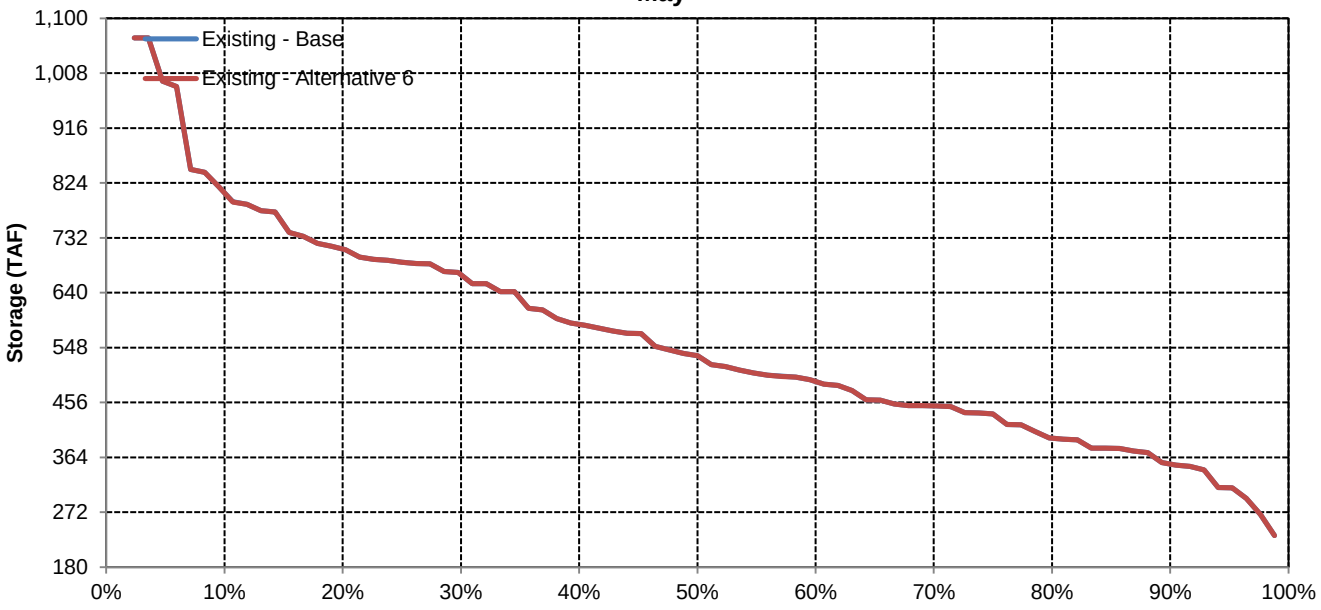


SWP San Luis Reservoir

April

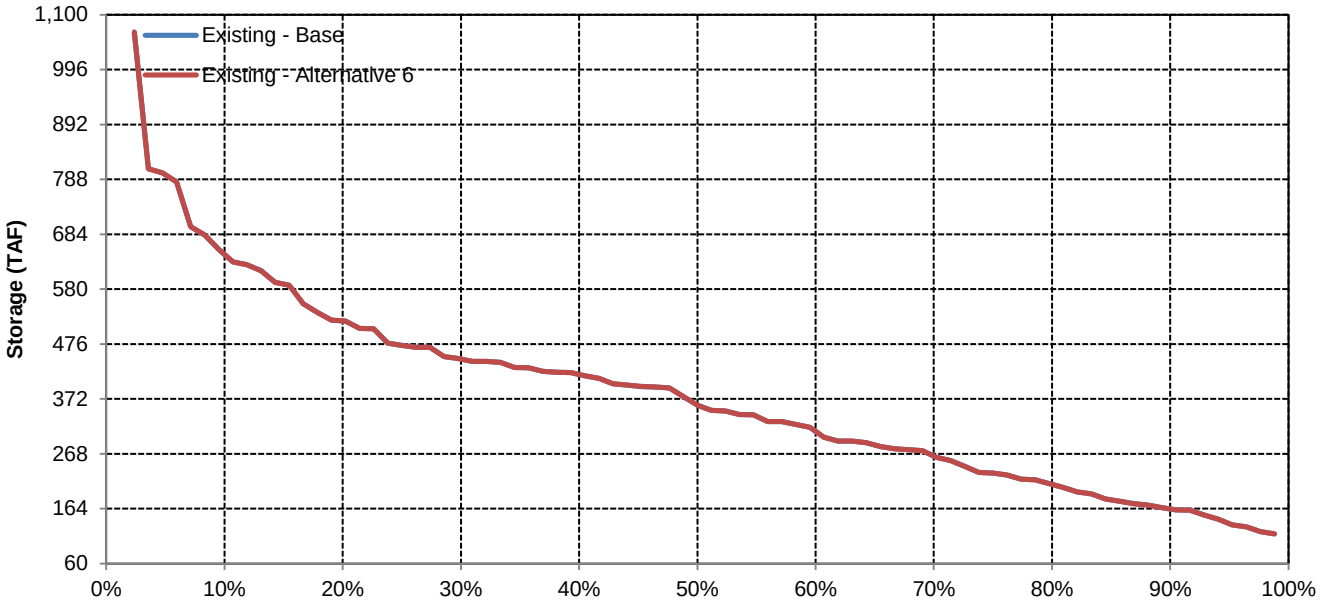


May

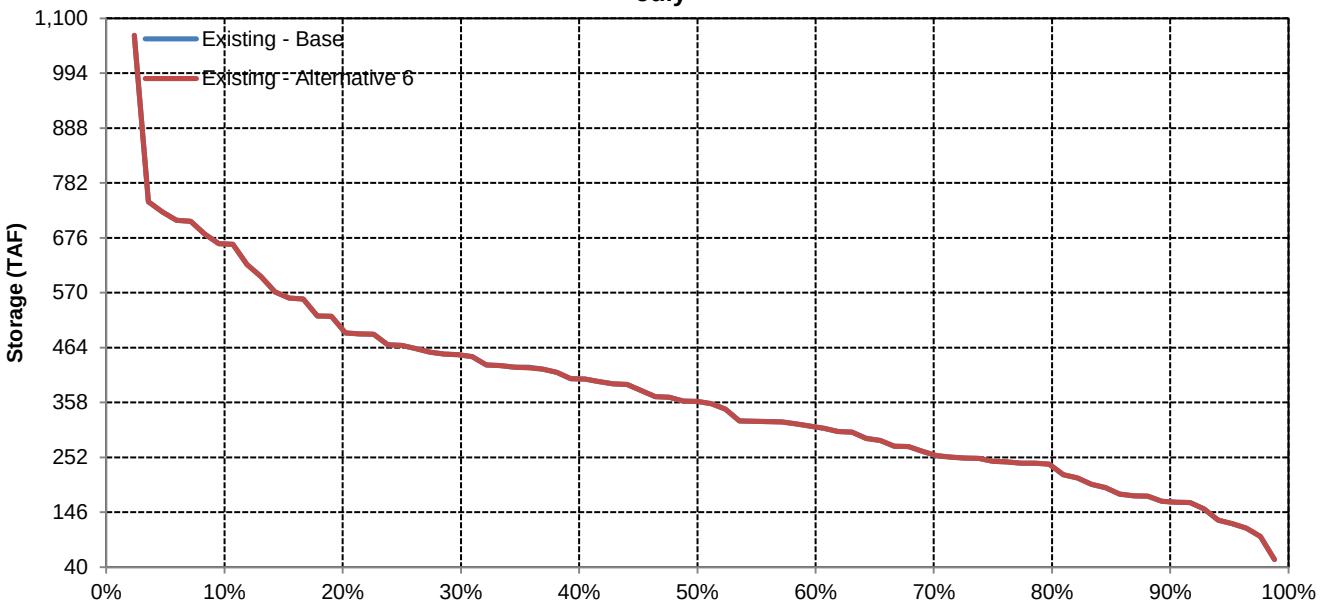


SWP San Luis Reservoir

June

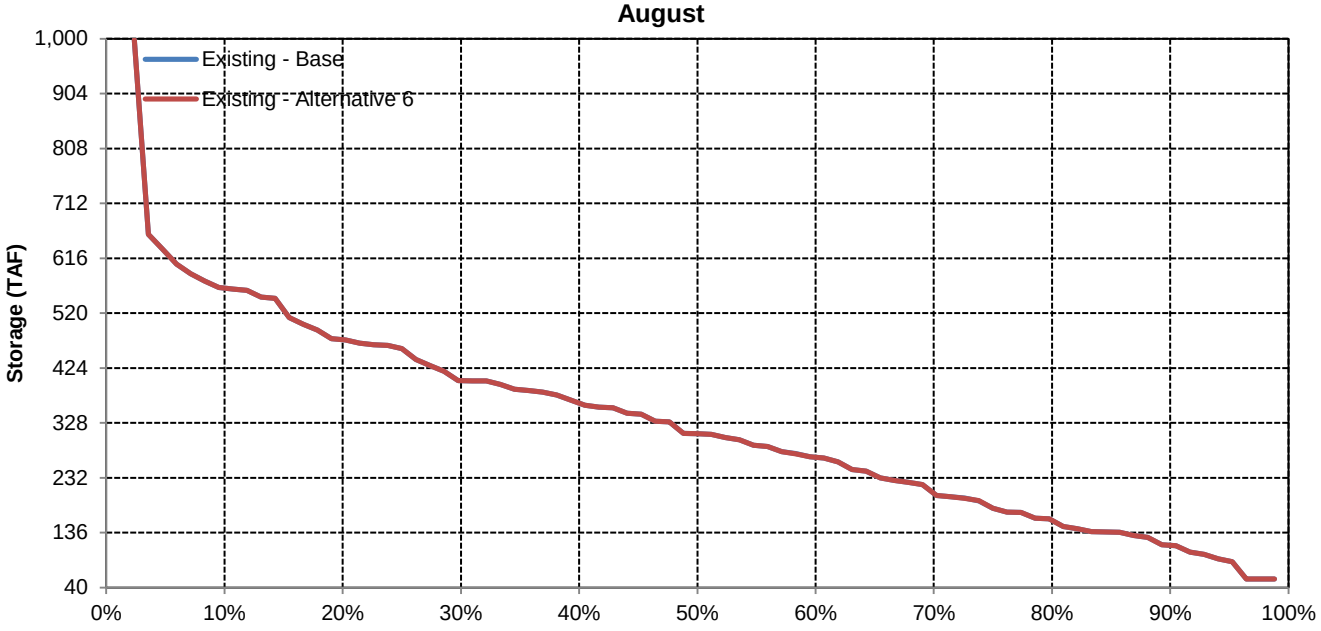


July

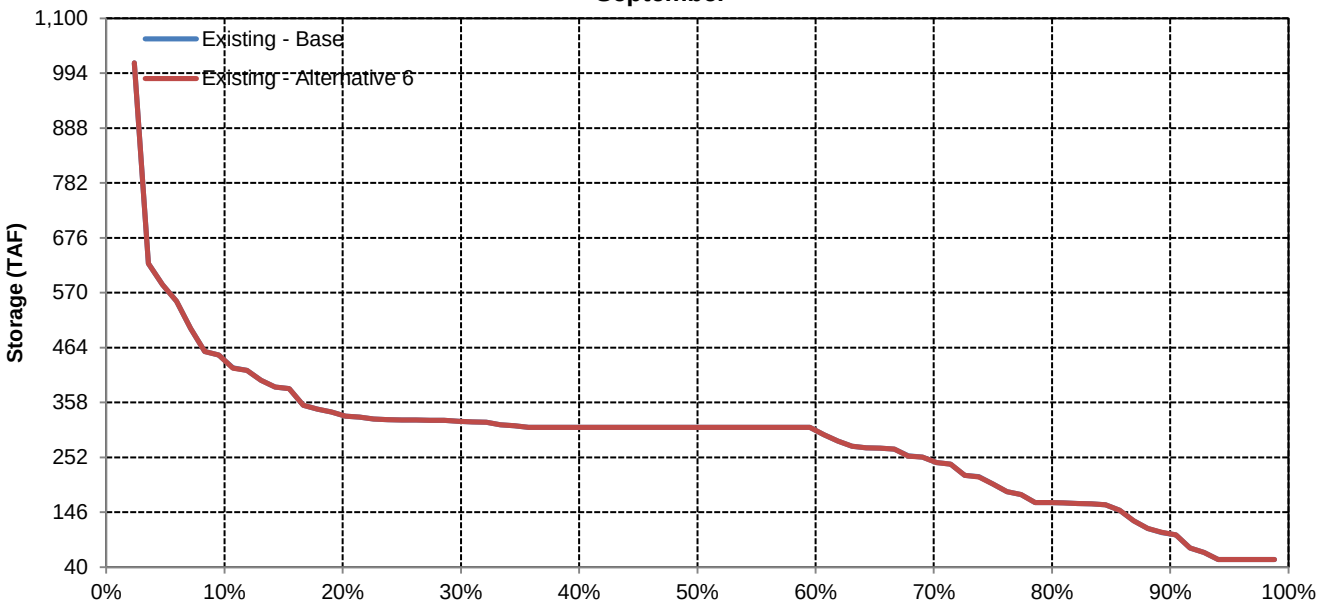


SWP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of Delta Outflow Under Existing - Base and Existing - Alternative 6

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	6,909	11,530	25,386	48,782	63,791	48,782	30,013	16,104	7,983	8,482	4,062	9,331	16,820
Existing - Alternative 6	6,908	11,530	25,387	48,782	63,791	48,782	30,013	16,104	7,983	8,483	4,062	9,331	16,820
Difference	0	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%
							Water Year-Types						
Wet													
Existing - Base	9,275	19,272	57,556	101,579	121,325	88,381	55,563	26,753	10,584	11,022	4,128	19,366	31,372
Existing - Alternative 6	9,275	19,272	57,557	101,579	121,326	88,381	55,563	26,753	10,584	11,023	4,128	19,366	31,372
Difference	0	0	1	0	0	0	0	0	0	1	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Existing - Base	6,741	9,314	21,144	55,453	70,727	61,417	29,722	17,425	7,395	11,464	4,017	11,133	18,336
Existing - Alternative 6	6,741	9,314	21,144	55,453	70,726	61,417	29,722	17,425	7,394	11,464	4,017	11,133	18,336
Difference	0	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%
Below Normal													
Existing - Base	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,328	6,819	8,808	4,050	3,469	10,847
Existing - Alternative 6	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,327	6,819	8,808	4,050	3,469	10,847
Difference	0	0	0	0	0	0	0	-1	0	1	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Existing - Base	5,825	7,923	8,608	15,426	29,458	22,607	13,161	8,982	7,006	5,274	4,137	3,269	7,873
Existing - Alternative 6	5,824	7,923	8,608	15,426	29,458	22,607	13,161	8,981	7,006	5,274	4,137	3,269	7,873
Difference	0	0	0	0	0	0	0	-1	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Existing - Base	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,889	3,010	5,383
Existing - Alternative 6	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,888	3,010	5,383
Difference	0	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%

Delta Outflow

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,977	15,194	83,333	120,592	161,827	97,068	71,454	33,132	11,137	13,270	4,309	19,688
20%	9,531	14,688	37,738	76,978	107,377	74,847	46,407	23,720	7,991	11,709	4,155	19,375
30%	9,094	12,769	20,214	55,546	76,161	60,341	32,656	15,272	7,100	10,714	4,001	17,813
40%	6,875	10,418	14,342	38,012	58,777	38,477	22,321	12,858	7,100	9,084	4,000	10,938
50%	4,346	9,766	11,487	26,488	41,867	31,169	18,044	11,426	7,100	8,603	4,000	3,914
60%	4,000	6,253	6,752	19,211	28,692	22,356	14,643	10,166	6,905	8,000	4,000	3,569
70%	4,000	4,500	5,009	13,355	21,621	17,008	12,821	9,402	6,688	5,591	4,000	3,000
80%	4,000	4,500	4,670	10,293	17,232	14,703	11,016	7,597	6,187	5,000	4,000	3,000
90%	3,000	3,500	4,500	7,972	12,426	10,776	9,604	6,918	5,655	4,000	3,791	3,000
Long Term												
Full Simulation Period	6,909	11,530	25,386	48,782	63,791	48,782	30,013	16,104	7,983	8,482	4,062	9,331
Water Year Types												
Wet	9,275	19,272	57,556	101,579	121,325	88,381	55,563	26,753	10,584	11,022	4,128	19,366
Above Normal	6,741	9,314	21,144	55,453	70,727	61,417	29,722	17,425	7,395	11,464	4,017	11,133
Below Normal	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,328	6,819	8,808	4,050	3,469
Dry	5,825	7,923	8,608	15,426	29,458	22,607	13,161	8,982	7,006	5,274	4,137	3,269
Critical	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,889	3,010

Existing - Alternative 6

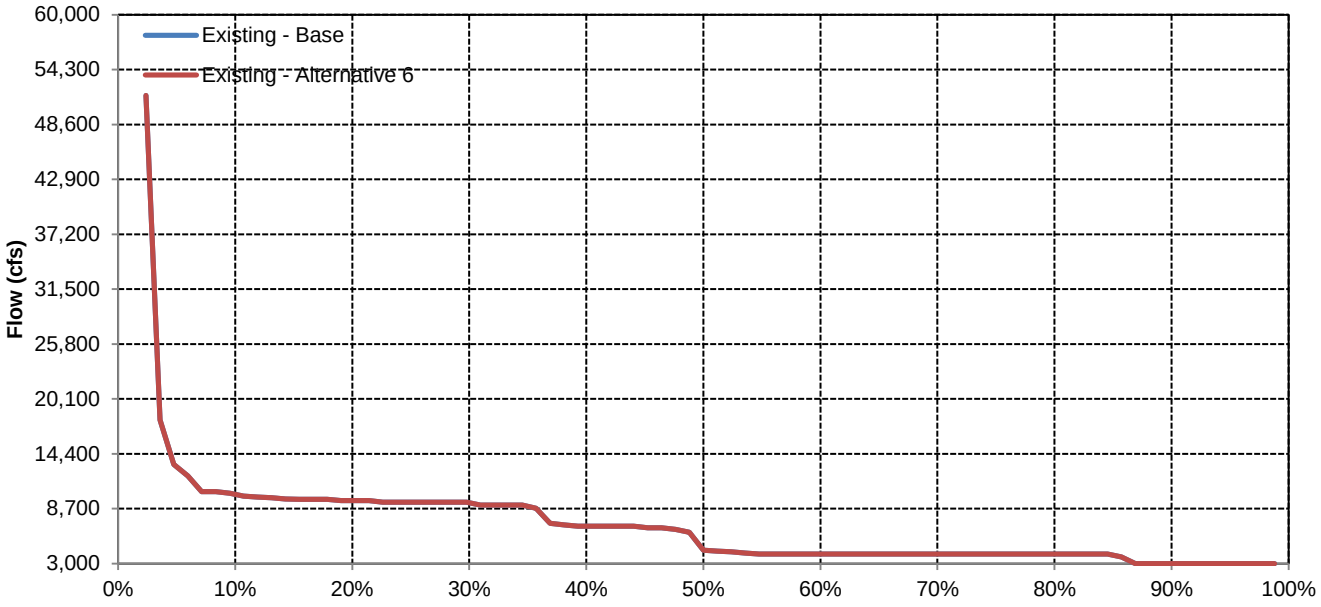
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,977	15,194	83,333	120,591	161,827	97,068	71,455	33,132	11,137	13,270	4,308	19,688
20%	9,531	14,688	37,738	76,978	107,377	74,847	46,407	23,720	7,993	11,709	4,155	19,375
30%	9,094	12,769	20,214	55,547	76,162	60,341	32,656	15,272	7,100	10,715	4,001	17,813
40%	6,875	10,418	14,342	38,012	58,776	38,477	22,321	12,858	7,100	9,085	4,000	10,938
50%	4,346	9,766	11,487	26,488	41,868	31,169	18,044	11,426	7,100	8,603	4,000	3,912
60%	4,000	6,253	6,753	19,211	28,692	22,356	14,643	10,166	6,901	8,000	4,000	3,570
70%	4,000	4,500	5,009	13,355	21,621	17,008	12,821	9,402	6,688	5,592	4,000	3,000
80%	4,000	4,500	4,670	10,293	17,232	14,703	11,016	7,595	6,187	5,000	4,000	3,000
90%	3,000	3,500	4,500	7,972	12,426	10,776	9,604	6,918	5,655	4,000	3,791	3,000
Long Term												
Full Simulation Period	6,908	11,530	25,387	48,782	63,791	48,782	30,013	16,104	7,983	8,483	4,062	9,331
Water Year Types												
Wet	9,275	19,272	57,557	101,579	121,326	88,381	55,563	26,753	10,584	11,023	4,128	19,366
Above Normal	6,741	9,314	21,144	55,453	70,726	61,417	29,722	17,425	7,394	11,464	4,017	11,133
Below Normal	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,327	6,819	8,808	4,050	3,469
Dry	5,824	7,923	8,608	15,426	29,458	22,607	13,161	8,981	7,006	5,274	4,137	3,269
Critical	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,888	3,010

Existing - Alternative 6 Minus Existing - Base

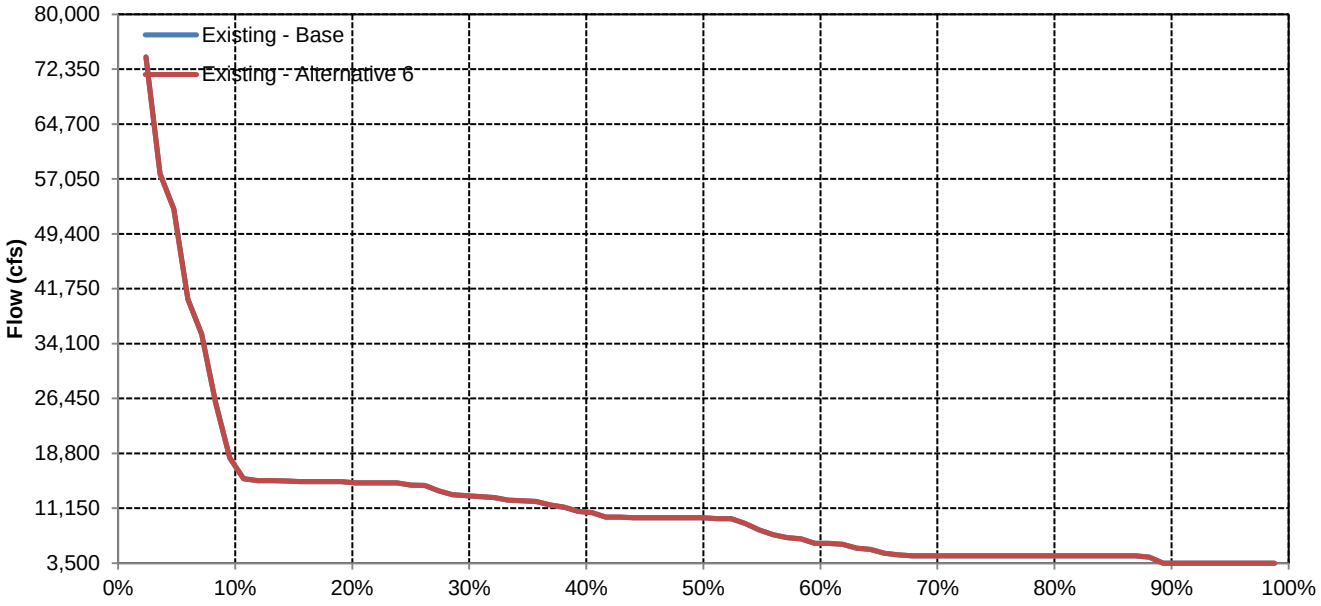
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	-1	0	0	0	0	0	-1	0
20%	0	0	0	0	0	0	0	0	1	0	0	0
30%	0	0	0	0	0	0	0	0	0	1	0	0
40%	0	0	0	0	-1	0	0	0	0	1	0	0
50%	-1	0	0	0	1	0	0	0	0	0	0	-1
60%	0	0	0	0	0	0	0	0	-4	0	0	0
70%	0	0	0	0	0	0	0	0	0	1	0	0
80%	0	0	0	0	0	0	0	-3	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	0	0	1	0	0	0	0	0	0	1	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	-1	0	1	0	0
Dry	0	0	0	0	0	0	0	-1	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0

Delta Outflow

October

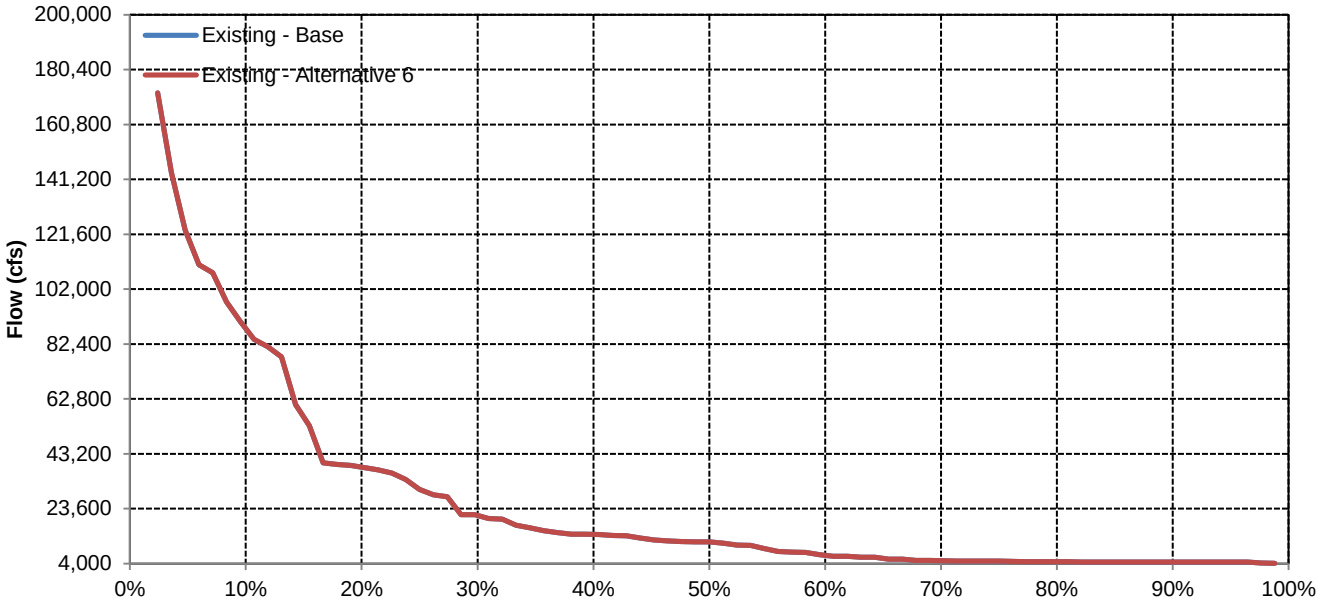


November

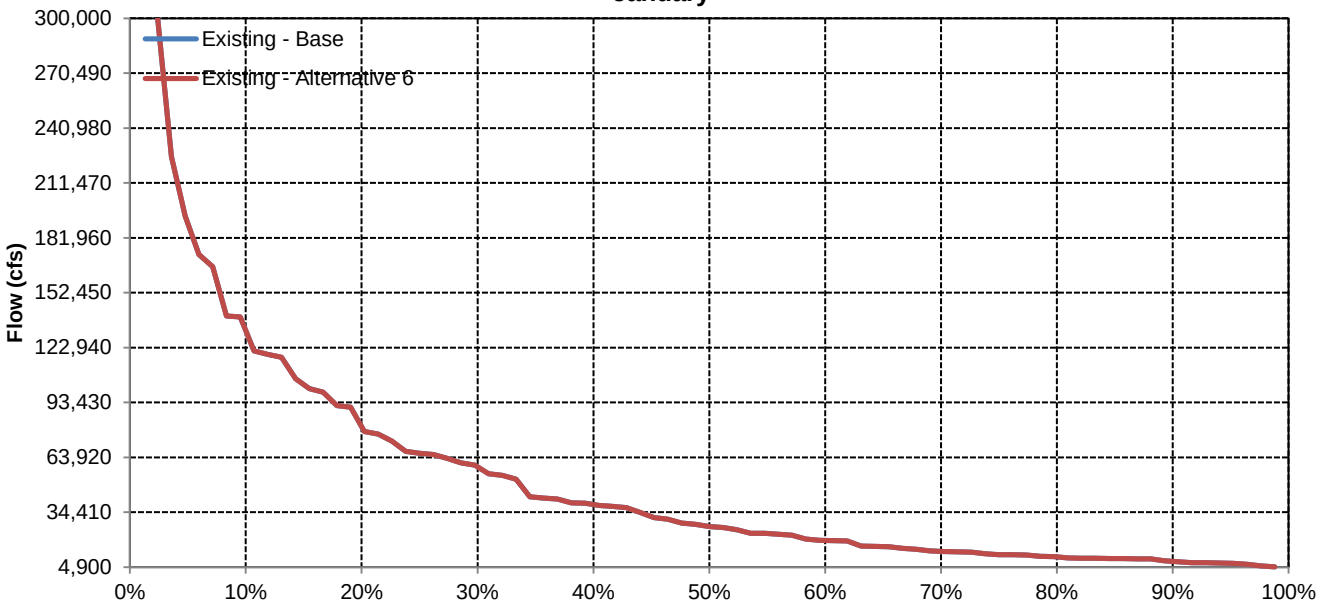


Delta Outflow

December

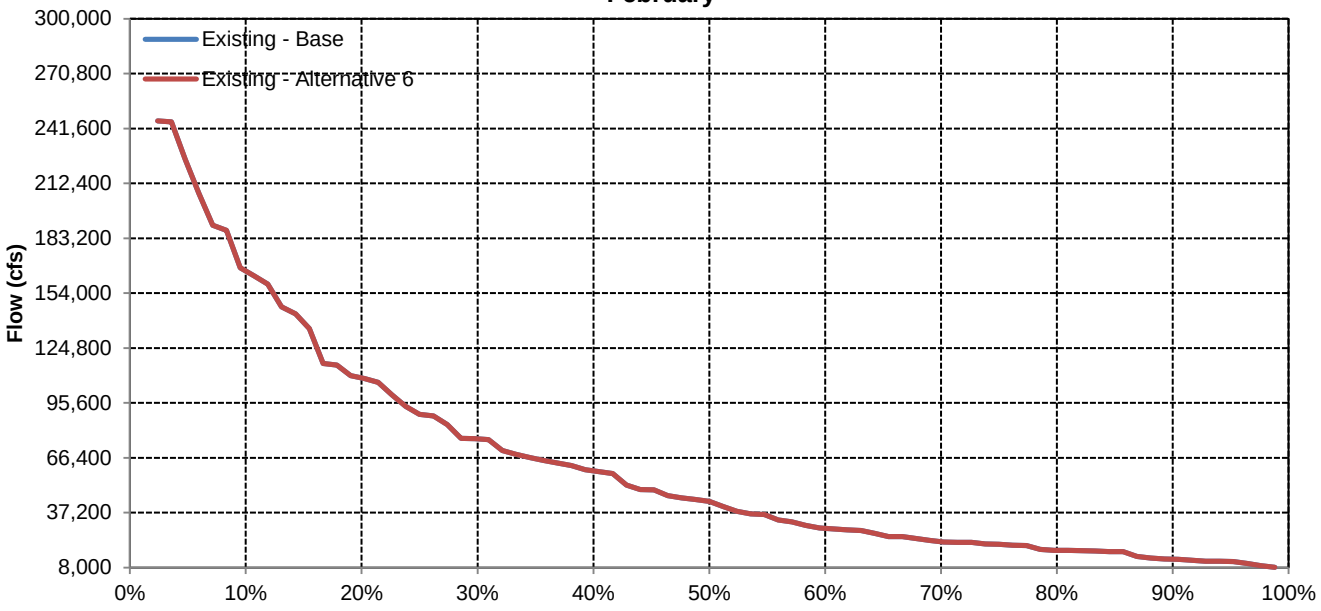


January

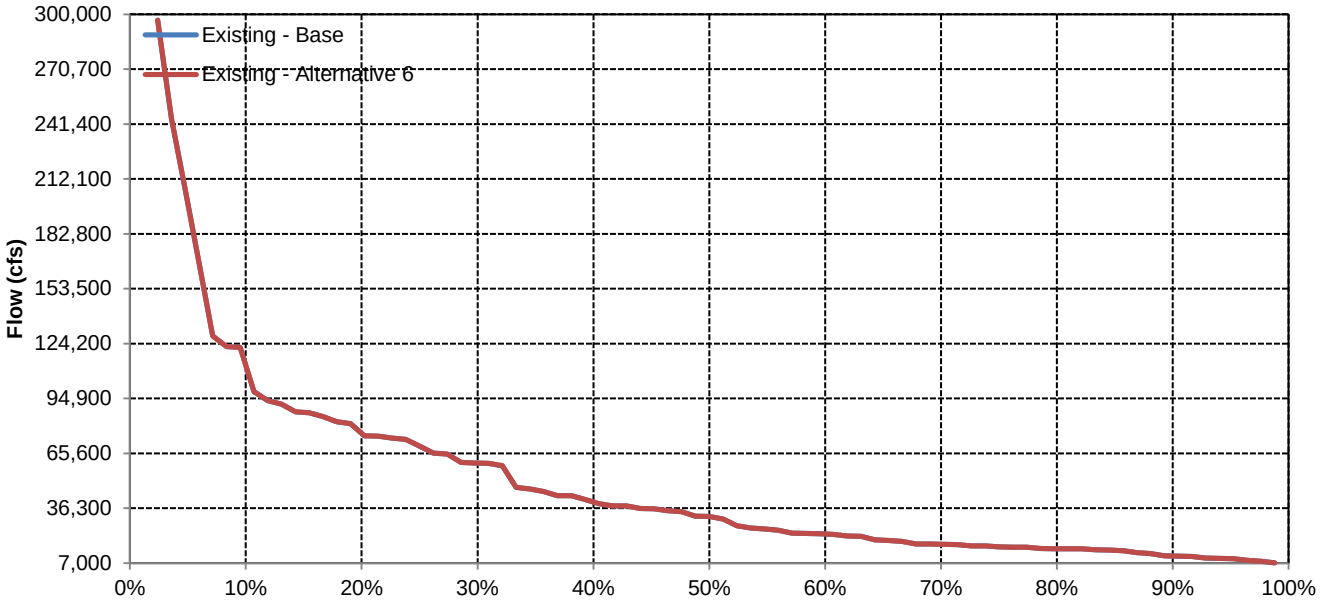


Delta Outflow

February

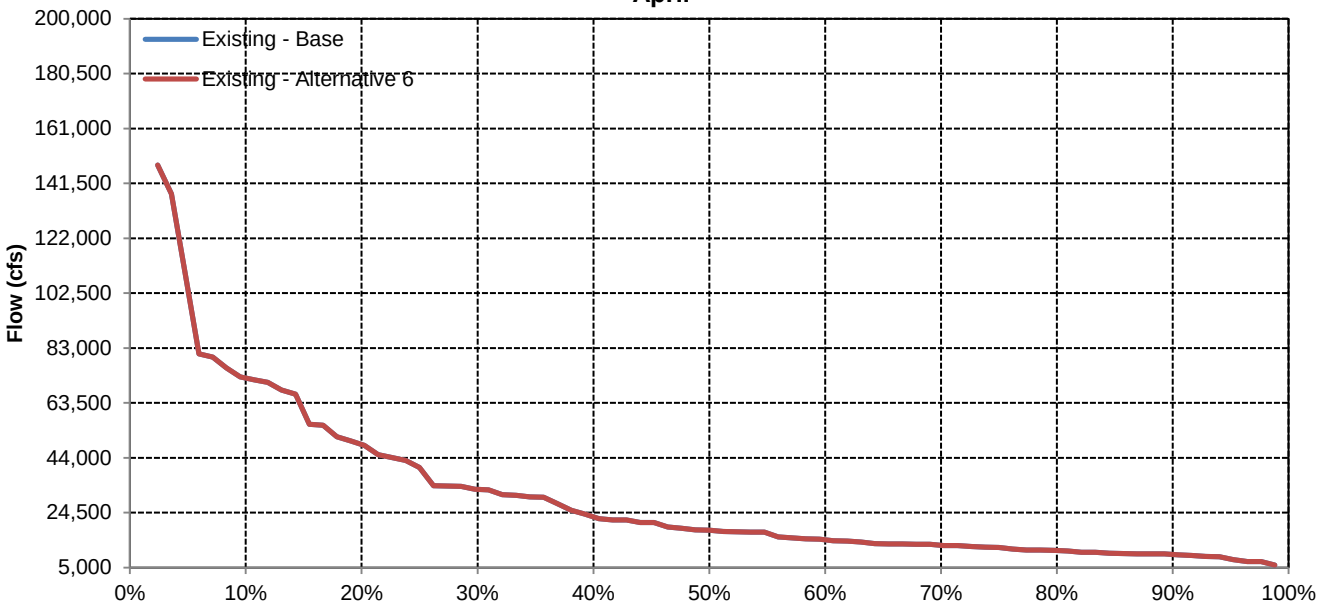


March

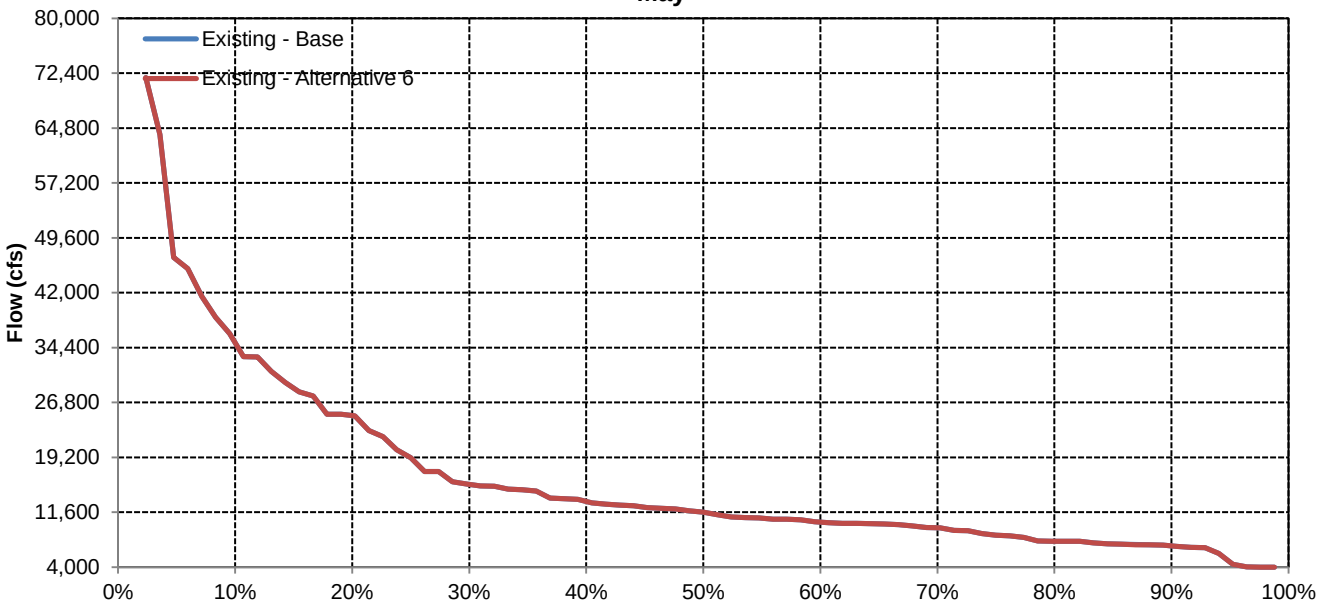


Delta Outflow

April

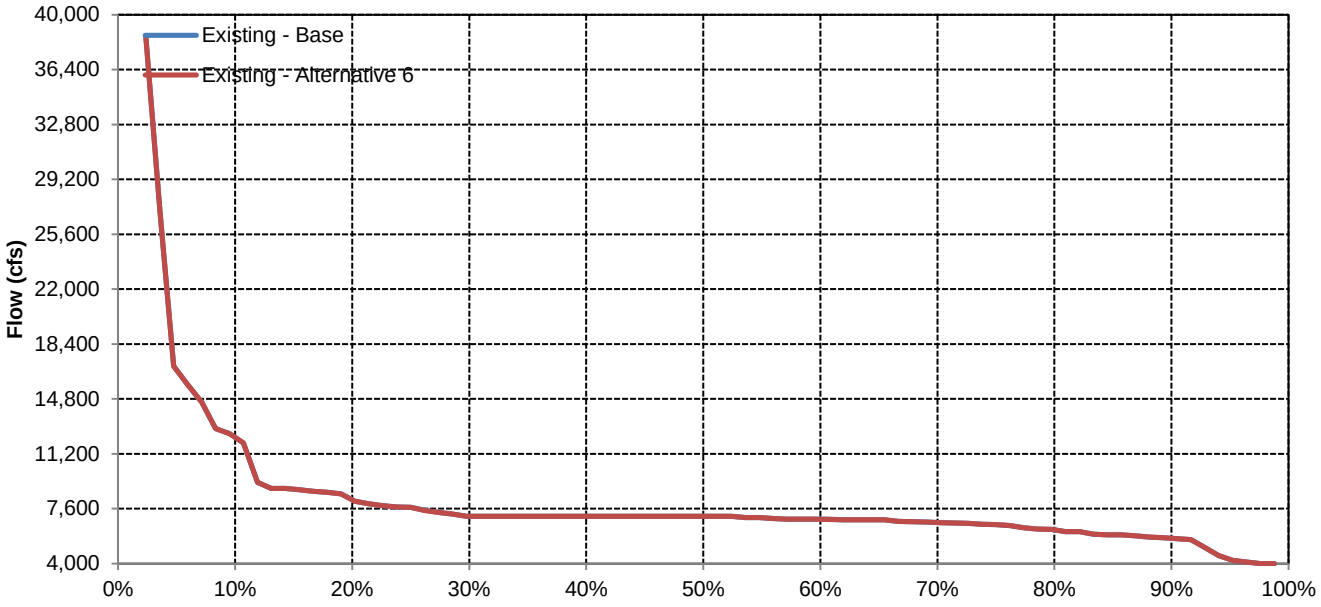


May

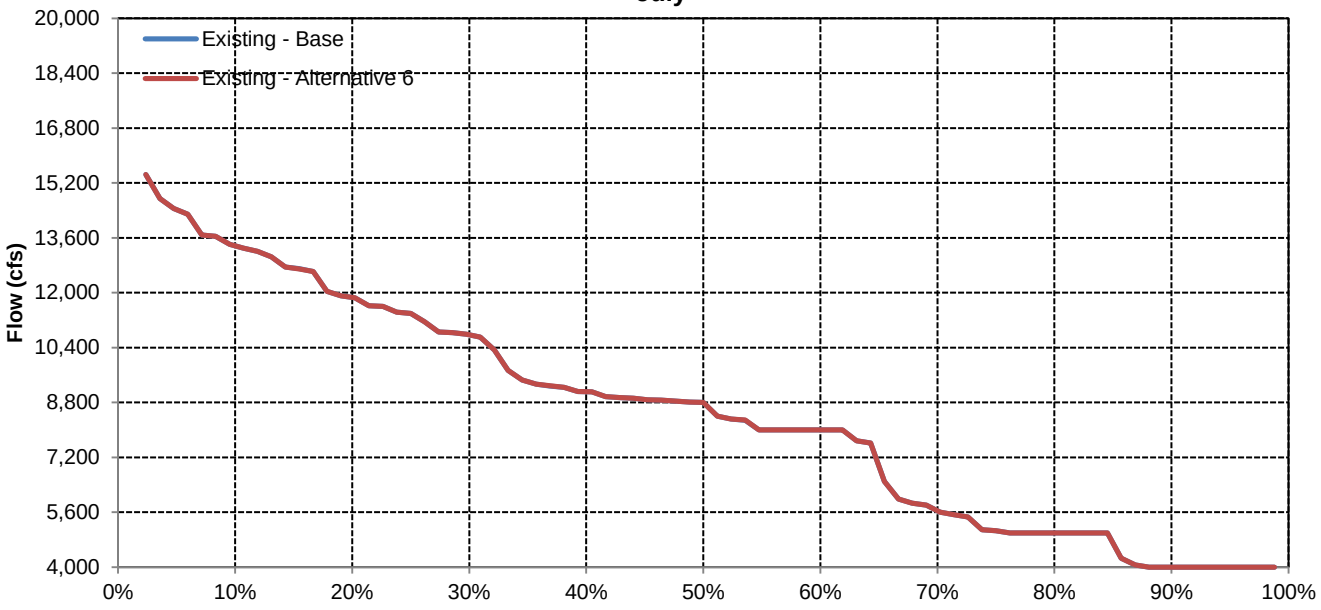


Delta Outflow

June

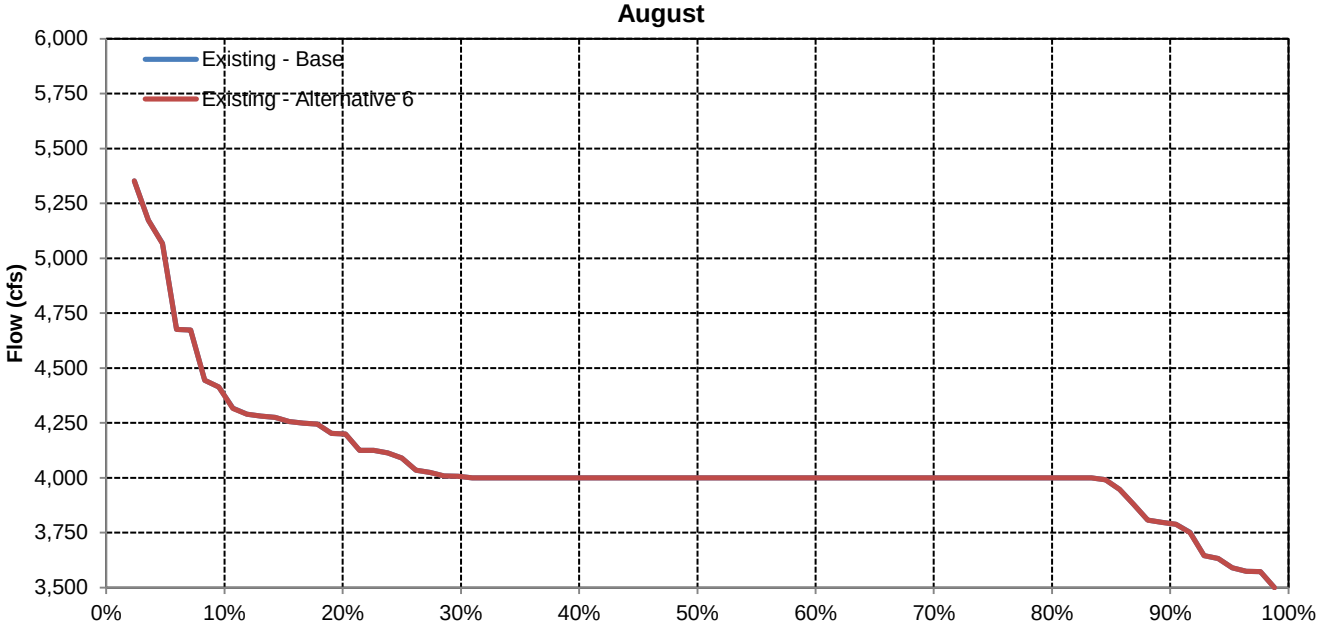


July



Delta Outflow

August



September

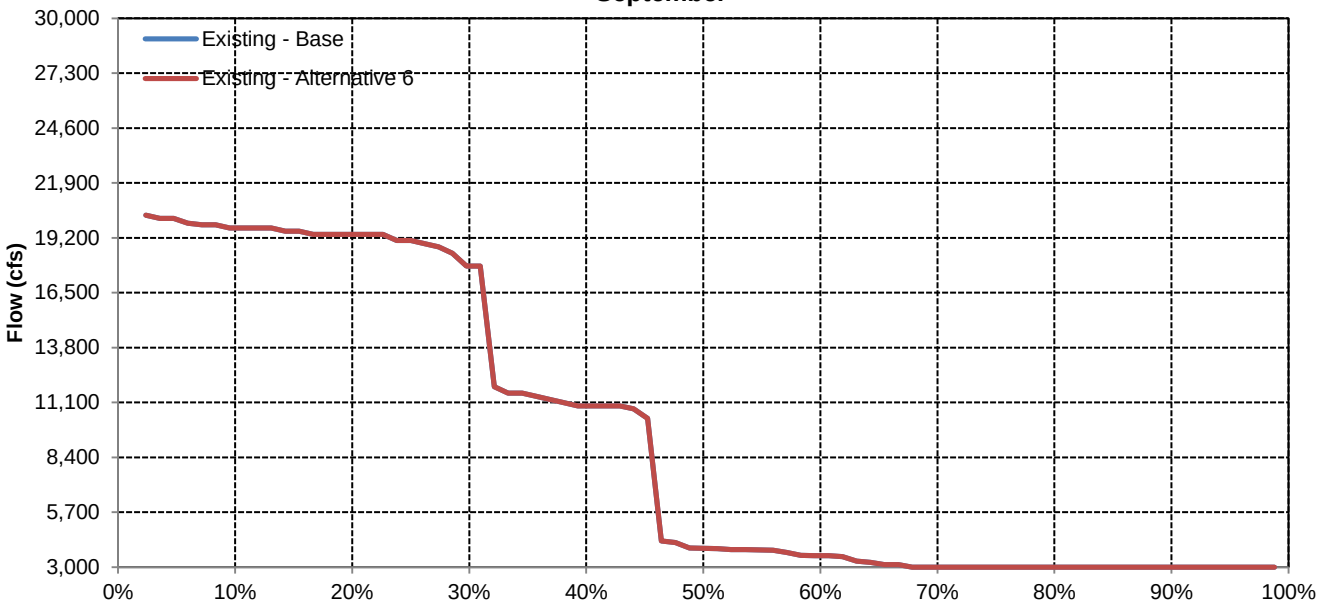


Table 185 Existing Condtions-Alternative 6 (Existing)

Winter-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	November through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Juvenile Rearing and Downstream Movement*	July through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
			Freeport	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0

Table 186 Existing Condtions-Alternative 6 (Existing)

Spring-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	March through September	Mean Monthly Flow (cfs)	Verona		10	Lower 40%						0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%						0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juvenile Rearing (and Downstream Movement)	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	October through May	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
			Freeport	63		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Table 187 Existing Condtions-Alternative 6 (Existing)

Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	July through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0							0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0							0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	December through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport		10	Lower 40%			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				65		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Table 188 Existing Condtions-Alternative 6 (Existing)

Late Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	October through April	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Juvenile Rearing and Downstream Movement	April through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0

Table 189 Existing Condtions-Alternative 6 (Existing)

Steelhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	August through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	January through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
			Freeport	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	-1.2	0.0	0.0	0.0			

Table 190 Existing Condtions-Alternative 6 (Existing)

Green Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	February through July	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%					0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years					0.0	0.0	0.0	0.0	0.0	0.0		
Adult Post-Spawning Holding and Emigration	July through November	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0								0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0								0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 191 Existing Condtions-Alternative 6 (Existing)

White Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	November through May	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Freeport	77		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Spawning and Egg Incubation	February through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%					0.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%					0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years					0.0	0.0	0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 192 Existing Condtions-Alternative 6 (Existing)

River Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	September through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 193 Existing Condtions-Alternative 6 (Existing)

Pacific Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	January through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 194 Existing Condtions-Alternative 6 (Existing)

Hardhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adults and Other Lifestages	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adult Spawning	April through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	59-64		All Years							0.0	0.0	0.0			

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 195 Existing Condtions-Alternative 6 (Existing)

American Shad in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
			Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	60-70		All Years							0.0	0.0	0.0			
			Freeport	60-70		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	63-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 196 Existing Condtions-Alternative 6 (Existing)

Striped Bass in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	59-68		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-71		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 201 Existing Condtions-Alternative 6 (Existing)

Alternative 6 (Existing) vs Existing Condtions
Sacramento River at Verona, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	73.2	45.1	31.7	20.7	32.9	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	1.2	8.5	12.2	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	26.8	52.4	67.1	76.8	67.1	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	-26.8	-52.4	-67.1	-76.8	-67.1	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	-1.2	-8.5	-12.2	-19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	97.0	97.0	63.6	27.3	57.6	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	3.0	0.0	33.3	66.7	42.4	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	-3.0	0.0	-33.3	-66.7	-42.4	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 202 Existing Condtions-Alternative 6 (Existing)

Alternative 6 (Existing) vs Existing Condtions
Sacramento River at Freeport, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	78.0	48.8	32.9	23.2	35.4	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	2.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	19.5	50.0	65.9	75.6	61.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	-19.5	-50.0	-65.9	-75.6	-61.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	-2.4	-4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	100.0	93.9	66.7	30.3	60.6	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	6.1	30.3	66.7	36.4	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	0.0	-6.1	-30.3	-66.7	-36.4	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alternative 6 (Existing) vs Existing Condtions

Sacramento River at Feather River, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.0	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	95.7	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	81.1	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	20.7	4.9	94.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	2.4	1.2	81.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	97.8	2.1	1.2	51.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	78.0	1.4	1.2	12.2	87.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	58.5	1.2	1.2	4.7	74.6	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	34.1	1.2	1.2	1.4	65.2	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	18.3	1.2	1.2	1.2	41.5	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	7.6	1.2	1.2	1.2	23.2	95.9	98.8	98.8	98.8	98.8	98.8
57	98.8	2.4	1.2	1.2	1.2	14.0	94.7	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	5.5	86.6	98.8	98.8	98.8	98.8	98.8
59	96.7	1.2	1.2	1.2	1.2	3.2	77.6	98.8	98.8	98.8	98.8	98.8
60	85.4	1.2	1.2	1.2	1.2	2.4	68.3	98.8	98.8	98.8	98.8	98.8
61	62.8	1.2	1.2	1.2	1.2	1.8	57.3	98.8	98.8	98.8	98.8	98.8
62	44.5	1.2	1.2	1.2	1.2	1.2	43.9	98.0	98.8	98.8	98.8	98.8
63	23.2	1.2	1.2	1.2	1.2	1.2	35.4	96.9	98.8	98.8	98.8	98.8
64	14.6	1.2	1.2	1.2	1.2	1.2	13.3	95.5	98.8	98.8	98.8	98.8
65	7.6	1.2	1.2	1.2	1.2	1.2	10.4	89.6	98.8	98.8	98.8	93.3
66	4.5	1.2	1.2	1.2	1.2	1.2	4.3	85.4	98.8	98.8	98.8	90.2
68	1.5	1.2	1.2	1.2	1.2	1.2	1.2	48.8	98.2	98.8	98.8	65.9
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	29.3	94.1	98.8	98.8	53.7
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.2	85.4	98.3	97.8	29.9
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	9.8	68.3	93.1	90.2	24.6
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	6.3	37.8	78.0	76.8	13.4
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	11.0	29.3	42.7	3.5
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	3.0	19.5	23.2	2.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	4.3	2.1	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	79.9	72.0	97.6	97.6	97.6	97.1	95.8	79.3	75.6	96.4
50-64	84.2	96.6	0.9	0.0	50.0	97.6	85.5	3.3	0.0	0.0	0.0	0.0
55-56	0.0	10.7	0.0	0.0	0.0	18.3	2.4	0.0	0.0	0.0	0.0	0.0
59-64	82.1	0.0	0.0	0.0	0.0	2.0	64.3	3.3	0.0	0.0	0.0	0.0
59-68	95.2	0.0	0.0	0.0	0.0	2.0	76.4	50.0	0.6	0.0	0.0	32.9
59-75	95.5	0.0	0.0	0.0	0.0	2.0	76.4	97.1	95.8	79.3	75.6	96.4
60-70	84.2	0.0	0.0	0.0	0.0	1.2	67.1	85.6	13.4	0.5	1.0	68.9
61-71	61.6	0.0	0.0	0.0	0.0	0.6	56.1	89.0	30.5	5.7	8.6	74.2
63-69	22.0	0.0	0.0	0.0	0.0	0.0	34.2	67.6	4.7	0.0	0.0	45.1
63-77	22.0	0.0	0.0	0.0	0.0	0.0	34.2	95.7	97.6	94.5	96.7	97.6
65-82	6.4	0.0	0.0	0.0	0.0	0.0	9.2	88.4	97.6	97.6	97.6	92.1
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	84.2	97.1	96.6	28.7
42-60	13.4	97.6	96.8	95.2	97.6	96.4	30.5	0.0	0.0	0.0	0.0	0.0
61-77	61.6	0.0	0.0	0.0	0.0	0.6	56.1	97.6	97.6	94.5	96.7	97.6

Alternative 6 (Existing)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.0	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	95.7	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	81.1	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	20.7	4.9	94.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	2.4	1.2	81.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	97.8	2.1	1.2	51.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	78.0	1.4	1.2	12.2	87.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	58.5	1.2	1.2	4.7	74.6	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	34.1	1.2	1.2	1.4	65.2	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	18.3	1.2	1.2	1.2	41.5	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	7.6	1.2	1.2	1.2	23.2	95.9	98.8	98.8	98.8	98.8	98.8
57	98.8	2.4	1.2	1.2	1.2	14.0	94.7	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	5.5	86.6	98.8	98.8	98.8	98.8	98.8
59	96.7	1.2	1.2	1.2	1.2	3.2	77.6	98.8	98.8	98.8	98.8	98.8
60	85.4	1.2	1.2	1.2	1.2	2.4	68.3	98.8	98.8	98.8	98.8	98.8
61	62.8	1.2	1.2	1.2	1.2	1.8	57.3	98.8	98.8	98.8	98.8	98.8
62	44.5	1.2	1.2	1.2	1.2	1.2	43.9	98.0	98.8	98.8	98.8	98.8
63	23.2	1.2	1.2	1.2	1.2	1.2	35.4	96.9	98.8	98.8	98.8	98.8
64	14.6	1.2	1.2	1.2	1.2	1.2	13.3	95.5	98.8	98.8	98.8	98.8
65	7.6	1.2	1.2	1.2	1.2	1.2	10.4	89.6	98.8	98.8	98.8	93.3
66	4.5	1.2	1.2	1.2	1.2	1.2	4.3	85.4	98.8	98.8	98.8	90.2
68	1.5	1.2	1.2	1.2	1.2	1.2	1.2	48.8	98.2	98.8	98.8	65.9
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	29.3	94.1	98.8	98.8	53.7
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.2	85.4	98.3	97.8	29.9
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	9.8	68.3	93.1	90.2	24.6
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	6.3	37.8	78.0	76.8	13.4
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	11.0	29.3	42.7	3.5
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	3.0	19.5	23.2	2.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	4.3	2.1	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	79.9	72.0	97.6	97.6	97.6	97.1	95.8	79.3	75.6	96.4
50-64	84.2	96.6	0.9	0.0	50.0	97.6	85.5	3.3	0.0	0.0	0.0	0.0
55-56	0.0	10.7	0.0	0.0	0.0	18.3	2.4	0.0	0.0	0.0	0.0	0.0
59-64	82.1	0.0	0.0	0.0	0.0	2.0	64.3	3.3	0.0	0.0	0.0	0.0
59-68	95.2	0.0	0.0	0.0	0.0	2.0	76.4	50.0	0.6	0.0	0.0	32.9
59-75	95.5	0.0	0.0	0.0	0.0	2.0	76.4	97.1	95.8	79.3	75.6	96.4
60-70	84.2	0.0	0.0	0.0	0.0	1.2	67.1	85.6	13.4	0.5	1.0	68.9
61-71	61.6	0.0	0.0	0.0	0.0	0.6	56.1	89.0	30.5	5.7	8.6	74.2
63-69	22.0	0.0	0.0	0.0	0.0	0.0	34.2	67.6	4.7	0.0	0.0	45.1
63-77	22.0	0.0	0.0	0.0	0.0	0.0	34.2	95.7	97.6	94.5	96.7	97.6
65-82	6.4	0.0	0.0	0.0	0.0	0.0	9.2	88.4	97.6	97.6	97.6	92.1
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	84.2	97.1	96.6	28.7
42-60	13.4	97.6	96.8	95.2	97.6	96.4	30.5	0.0	0.0	0.0	0.0	0.0
61-77	61.6	0.0	0.0	0.0	0.0	0.6	56.1	97.6	97.6	94.5	96.7	97.6

Alternative 6 (Existing) - Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alternative 6 (Existing) vs Existing Condtions

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	5.5	95.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	47.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.7	75.3	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	45.1	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.0	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	46.4	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	20.7	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

Alternative 6 (Existing)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	6.1	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	48.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.0	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	43.9	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.3	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	47.6	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	19.5	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

Alternative 6 (Existing) - Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-64	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 227 Existing Condtions-Alternative 6 (Existing)

Delta Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years			0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years			67.1	79.3	67.1	79.3	0.0	0.0				
	September through November	Mean Monthly X_2 (RKm)	X_2 between 74 km and 81 km	74-81		Wet and Above Normal Water Years	0.0	0.0										0.0
	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			0.0	0.0	0.0							
Egg and Embryo	February through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years					0.0	0.0	0.0	0.0				
Larval	March through June	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years						0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years						0.0	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years						0.0	0.0	0.0	0.0			
Juvenile	May through July	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years								0.0	0.0	0.0		
		Mean Monthly X_2 (RKm)	Changes in X_2 between RKm 65 and 80	0.5 RKm		All Years								0.0	0.0	0.0		

Table 228 Existing Condtions-Alternative 6 (Existing)

Longfin Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through March	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			0.0	0.0	0.0	0.0						
Larvae and Juvenile	April and May	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years							0.0	0.0				
				< 0 cfs		Dry and Critical Water Years							0.0	0.0				
	January through June	Mean Monthly X_2 (RKm)	X_2	< 75 RKm		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				< 75 RKm		Dry and Critical Water Years				0.0	0.0	0.0	0.0	0.0	0.0			

Table 229 Existing Condtions-Alternative 6 (Existing)

Winter-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through May	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	67.1	79.3	67.1	79.3	0.0	0.0				
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Table 230 Existing Condtions-Alternative 6 (Existing)

Spring-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Table 231 Existing Condtions-Alternative 6 (Existing)

Fall- and Late Fall-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Adult (San Joaquin River)	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			0.0	0.0	0.0							

Table 232 Existing Condtions-Alternative 6 (Existing)

Steelhead in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	October through July	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0	0.0		
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Table 233 Existing Condtions-Alternative 6 (Existing)

Green Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	Year-round	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 234 Existing Condtions-Alternative 6 (Existing)

White Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	April through June	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0			

Table 235 Existing Condtions-Alternative 6 (Existing)

Splittail in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Spawning and Embryo Incubation	February through May	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years					67.1	79.3	0.0	0.0				
Juvenile Rearing and Emigration	April through July	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0	0.0		

Table 236 Existing Condtions-Alternative 6 (Existing)

American Shad in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							0.0	0.0	0.0			

Table 237 Existing Condtions-Alternative 6 (Existing)

Striped Bass in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 6 (Existing) relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							0.0	0.0	0.0			

Alternative 6 (Existing) vs Existing Condtions

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	5.5	95.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	47.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.7	75.3	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	45.1	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.0	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	46.4	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	20.7	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

Alternative 6 (Existing)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	6.1	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	48.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.0	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	43.9	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.3	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	47.6	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	19.5	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

Alternative 6 (Existing) - Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-64	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 239 Existing Condtions-Alternative 6 (Existing)

Alternative 6 (Existing) vs Existing Condtions
Sacramento River at Rio Vista, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	98.8	87.8	79.3	74.4	91.5	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	1.2	9.8	18.3	23.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	1.2	9.8	18.3	23.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	100.0	100.0	100.0	93.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 240 Existing Condtions-Alternative 6 (Existing)

Alternative 6 (Existing) vs Existing Condtions
Yolo Bypass, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	30.5	26.8	15.9	23.2	15.9	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	69.5	73.2	84.1	76.8	84.1	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	69.5	73.2	84.1	76.8	84.1	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	69.5	67.1	79.3	67.1	79.3	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	75.8	63.6	24.2	30.3	15.2	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	24.2	36.4	75.8	69.7	84.8	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	0.0	24.2	36.4	75.8	69.7	84.8	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	24.2	36.4	75.8	69.7	84.8	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	24.2	36.4	75.8	69.7	84.8	0.0	0.0	0.0	0.0	0.0	0.0

Table 241 Existing Condtions-Alternative 6 (Existing)

Alternative 6 (Existing) vs Existing Condtions
Delta Outflow, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Long-Term and Water Year-Type Average of Sacramento River Delta Inflow Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	11,300	15,746	24,309	34,221	41,784	35,394	22,062	13,364	12,597	19,584	13,697	16,482	15,659
Future - Base	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116	13,187
Difference	-2,950	-4,949	-2,227	-2,745	-4,285	-4,669	-2,561	-2,355	-1,031	-5,910	-3,925	-3,366	-2,472
Percent Difference	-26%	-31%	-9%	-8%	-10%	-13%	-12%	-18%	-8%	-30%	-29%	-20%	-16%
							Water Year-Types						
Wet													
Existing - Base	13,018	22,069	42,432	56,542	64,112	52,430	36,791	18,384	13,640	21,152	15,520	26,010	22,938
Future - Base	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150	19,185
Difference	-4,022	-7,434	-5,344	-5,508	-7,167	-5,236	-6,038	-6,105	-1,794	-4,107	-6,743	-2,860	-3,753
Percent Difference	-31%	-34%	-13%	-10%	-11%	-10%	-16%	-33%	-13%	-19%	-43%	-11%	-16%
Above Normal													
Existing - Base	11,695	14,566	23,212	43,774	51,354	46,254	22,271	14,655	13,070	22,489	16,033	18,988	17,937
Future - Base	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709	15,067
Difference	-2,405	-4,538	-3,617	-3,240	1,558	-9,085	-4,051	-2,607	-1,032	-7,659	-7,028	-3,279	-2,870
Percent Difference	-21%	-31%	-16%	-7%	3%	-20%	-18%	-18%	-8%	-34%	-44%	-17%	-16%
Below Normal													
Existing - Base	10,841	14,747	16,484	23,799	32,584	29,126	18,090	11,885	12,782	22,589	15,187	12,013	13,248
Future - Base	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570	10,705
Difference	-2,658	-5,511	-86	916	-6,626	-5,554	-1,598	-499	-425	-9,789	-5,045	-5,443	-2,544
Percent Difference	-25%	-37%	-1%	4%	-20%	-19%	-9%	-4%	-3%	-43%	-33%	-45%	-19%
Dry													
Existing - Base	10,423	12,567	14,687	17,727	27,798	23,027	11,912	10,212	12,472	17,228	11,469	10,994	10,852
Future - Base	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583	9,426
Difference	-2,727	-3,438	-390	-1,586	-3,638	-1,986	1,049	258	-892	-5,513	-465	-4,411	-1,426
Percent Difference	-26%	-27%	-3%	-9%	-13%	-9%	9%	3%	-7%	-32%	-4%	-40%	-13%
Critical													
Existing - Base	9,149	9,410	11,565	14,920	17,376	14,410	10,330	7,910	9,857	12,298	8,422	7,772	8,039
Future - Base	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975	7,426
Difference	-1,786	-1,747	-585	-1,247	-1,408	-1,388	124	-114	-213	-2,771	1,751	-797	-613
Percent Difference	-20%	-19%	-5%	-8%	-8%	-10%	1%	-1%	-2%	-23%	21%	-10%	-8%

Sacramento River Delta Inflow

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,603	22,010	56,115	71,084	75,521	65,784	49,402	23,850	14,772	24,306	16,775	28,029
20%	13,619	18,623	35,016	61,750	67,715	57,900	35,366	14,647	13,790	23,675	16,437	24,442
30%	12,912	17,392	24,392	45,490	58,539	48,511	24,073	12,554	13,215	23,166	15,988	22,307
40%	12,254	15,897	19,607	34,106	50,381	38,401	16,613	11,092	12,891	22,072	15,543	18,189
50%	11,265	14,221	17,083	26,083	35,167	28,964	13,801	10,661	12,353	20,699	15,010	13,962
60%	10,411	12,217	14,976	20,006	27,645	22,764	12,349	10,122	11,925	19,938	14,452	12,771
70%	8,888	10,901	14,365	15,735	23,924	20,351	11,386	9,739	11,469	18,857	12,942	10,172
80%	7,935	8,613	10,704	13,922	18,176	16,100	10,880	9,315	11,081	14,287	9,192	9,276
90%	6,415	7,211	9,575	11,915	16,074	12,014	9,372	8,228	10,168	12,060	8,272	8,038
Long Term												
Full Simulation Period	11,300	15,746	24,309	34,221	41,784	35,394	22,062	13,364	12,597	19,584	13,697	16,482
Water Year Types												
Wet	13,018	22,069	42,432	56,542	64,112	52,430	36,791	18,384	13,640	21,152	15,520	26,010
Above Normal	11,695	14,566	23,212	43,774	51,354	46,254	22,271	14,655	13,070	22,489	16,033	18,988
Below Normal	10,841	14,747	16,484	23,799	32,584	29,126	18,090	11,885	12,782	22,589	15,187	12,013
Dry	10,423	12,567	14,687	17,727	27,798	23,027	11,912	10,212	12,472	17,228	11,469	10,994
Critical	9,149	9,410	11,565	14,920	17,376	14,410	10,330	7,910	9,857	12,298	8,422	7,772

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,235	17,027	51,654	65,553	69,785	60,402	45,827	14,062	14,775	19,566	11,080	23,931
20%	8,769	12,121	31,691	57,934	63,984	51,170	26,603	12,353	13,371	17,266	10,982	23,302
30%	8,164	10,380	21,194	41,318	55,940	41,821	18,011	11,604	12,742	14,296	10,796	21,171
40%	7,981	9,237	17,702	28,066	43,996	30,782	15,285	11,092	11,853	13,342	10,577	15,579
50%	7,891	8,609	16,336	22,928	32,847	22,574	13,363	10,364	11,233	12,636	10,333	6,896
60%	7,870	7,940	13,685	19,586	22,299	17,435	12,171	9,646	10,701	12,343	9,683	6,650
70%	7,816	7,863	12,583	14,988	18,509	15,725	11,343	9,037	10,289	11,773	8,734	6,595
80%	7,655	7,666	9,913	12,874	16,673	13,489	10,154	8,418	9,791	11,041	8,421	6,535
90%	6,420	6,929	9,262	10,998	14,384	11,578	8,911	7,956	8,712	9,884	7,899	6,418
Long Term												
Full Simulation Period	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116
Water Year Types												
Wet	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150
Above Normal	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709
Below Normal	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570
Dry	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583
Critical	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-5,368	-4,984	-4,461	-5,532	-5,736	-5,382	-3,575	-9,788	3	-4,739	-5,695	-4,098
20%	-4,850	-6,502	-3,324	-3,816	-3,731	-6,730	-8,764	-2,294	-419	-6,409	-5,455	-1,140
30%	-4,748	-7,012	-3,198	-4,172	-2,599	-6,690	-6,062	-951	-472	-8,870	-5,193	-1,136
40%	-4,273	-6,660	-1,905	-6,041	-6,385	-7,619	-1,328	0	-1,038	-8,730	-4,966	-2,610
50%	-3,373	-5,612	-747	-3,154	-2,320	-6,391	-438	-297	-1,120	-8,063	-4,677	-7,066
60%	-2,541	-4,277	-1,290	-421	-5,346	-5,329	-178	-477	-1,224	-7,595	-4,769	-6,121
70%	-1,072	-3,037	-1,782	-747	-5,415	-4,626	-43	-702	-1,180	-7,084	-4,207	-3,577
80%	-279	-947	-790	-1,047	-1,503	-2,611	-726	-898	-1,291	-3,245	-771	-2,741
90%	5	-282	-314	-917	-1,690	-436	-461	-272	-1,456	-2,176	-373	-1,620
Long Term												
Full Simulation Period	-2,950	-4,949	-2,227	-2,745	-4,285	-4,669	-2,561	-2,355	-1,031	-5,910	-3,925	-3,366
Water Year Types												
Wet	-4,022	-7,434	-5,344	-5,508	-7,167	-5,236	-6,038	-6,105	-1,794	-4,107	-6,743	-2,860
Above Normal	-2,405	-4,538	-3,617	-3,240	1,558	-9,085	-4,051	-2,607	-1,032	-7,659	-7,028	-3,279
Below Normal	-2,658	-5,511	-86	916	-6,626	-5,554	-1,598	-499	-425	-9,789	-5,045	-5,443
Dry	-2,727	-3,438	-390	-1,586	-3,638	-1,986	1,049	258	-892	-5,513	-465	-4,411
Critical	-1,786	-1,747	-585	-1,247	-1,408	-1,388	124	-114	-213	-2,771	1,751	-797

Long-Term and Water Year-Type Average of Total CVP Deliveries North of the Delta Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	1,506	726	389	234	244	337	5,113	5,599	7,987	7,932	5,983	2,046	2,310
Future - Base	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944	2,234
Difference	-33	-22	-7	-10	-8	-14	-98	-172	-225	-327	-231	-102	-76
Percent Difference	-2%	-3%	-2%	-4%	-3%	-4%	-2%	-3%	-3%	-4%	-4%	-5%	-3%
							Water Year-Types						
Wet													
Existing - Base	1,429	662	371	227	244	288	4,682	5,765	8,463	8,473	6,484	2,288	2,388
Future - Base	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142	2,294
Difference	-7	5	-8	-4	-5	-16	-143	-245	-299	-372	-304	-147	-94
Percent Difference	0%	1%	-2%	-2%	-2%	-6%	-3%	-4%	-4%	-4%	-5%	-6%	-4%
Above Normal													
Existing - Base	1,514	755	372	241	246	248	5,081	5,804	8,436	8,340	6,266	2,355	2,404
Future - Base	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186	2,288
Difference	-58	-61	4	-15	-10	-9	-185	-259	-474	-368	-321	-168	-116
Percent Difference	-4%	-8%	1%	-6%	-4%	-4%	-4%	-4%	-6%	-4%	-5%	-7%	-5%
Below Normal													
Existing - Base	1,527	728	407	242	236	344	5,193	5,744	7,967	7,969	6,039	1,879	2,321
Future - Base	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881	2,280
Difference	47	18	4	-8	-4	-16	102	-123	-140	-302	-239	2	-40
Percent Difference	3%	3%	1%	-3%	-1%	-5%	2%	-2%	-2%	-4%	-4%	0%	-2%
Dry													
Existing - Base	1,639	783	406	238	254	339	5,398	5,578	7,778	7,583	5,755	1,910	2,283
Future - Base	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793	2,233
Difference	-131	-74	-24	-9	-17	-8	-171	-92	-99	-41	-36	-117	-49
Percent Difference	-8%	-9%	-6%	-4%	-7%	-2%	-3%	-2%	-1%	-1%	-1%	-6%	-2%
Critical													
Existing - Base	1,452	754	396	225	239	517	5,551	4,869	6,853	6,811	4,881	1,649	2,072
Future - Base	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613	2,004
Difference	-22	-10	-1	-17	-10	-26	-51	-64	-76	-579	-230	-36	-69
Percent Difference	-1%	-1%	0%	-8%	-4%	-5%	-1%	-1%	-1%	-8%	-5%	-2%	-3%

Total CVP Deliveries North of the Delta

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,875	950	506	303	270	646	6,661	6,327	8,826	8,986	6,821	2,514
20%	1,791	902	457	252	262	436	6,057	6,182	8,524	8,506	6,466	2,380
30%	1,670	825	415	242	253	362	5,755	6,062	8,346	8,239	6,271	2,266
40%	1,605	764	399	236	243	254	5,461	5,909	8,191	8,069	6,139	2,204
50%	1,488	711	379	219	239	243	5,255	5,729	8,016	7,974	6,015	2,112
60%	1,404	638	353	215	238	225	4,910	5,521	7,869	7,870	5,949	1,996
70%	1,351	624	339	213	233	214	4,748	5,297	7,762	7,634	5,741	1,840
80%	1,239	572	311	209	223	212	4,333	5,078	7,482	7,356	5,573	1,735
90%	1,142	543	299	200	206	205	3,074	4,689	7,086	7,108	5,323	1,572
Long Term												
Full Simulation Period	1,506	726	389	234	244	337	5,113	5,599	7,987	7,932	5,983	2,046
Water Year Types												
Wet	1,429	662	371	227	244	288	4,682	5,765	8,463	8,473	6,484	2,288
Above Normal	1,514	755	372	241	246	248	5,081	5,804	8,436	8,340	6,266	2,355
Below Normal	1,527	728	407	242	236	344	5,193	5,744	7,967	7,969	6,039	1,879
Dry	1,639	783	406	238	254	339	5,398	5,578	7,778	7,583	5,755	1,910
Critical	1,452	754	396	225	239	517	5,551	4,869	6,853	6,811	4,881	1,649

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,805	942	487	299	267	609	6,547	6,089	8,526	8,483	6,489	2,345
20%	1,755	883	457	252	247	417	5,972	5,927	8,171	8,021	6,143	2,197
30%	1,658	800	416	226	238	324	5,606	5,855	8,035	7,830	5,984	2,126
40%	1,589	744	392	214	238	246	5,384	5,734	7,885	7,765	5,908	2,076
50%	1,479	674	372	213	238	223	5,166	5,604	7,789	7,720	5,830	1,992
60%	1,378	629	349	213	232	214	4,809	5,360	7,687	7,626	5,729	1,927
70%	1,309	601	337	211	230	212	4,680	5,116	7,576	7,431	5,626	1,790
80%	1,217	552	310	198	212	212	4,277	4,968	7,405	7,212	5,449	1,713
90%	1,119	511	297	183	206	199	3,070	4,539	7,117	7,088	5,246	1,500
Long Term												
Full Simulation Period	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944
Water Year Types												
Wet	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142
Above Normal	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186
Below Normal	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881
Dry	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793
Critical	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-70	-8	-19	-3	-3	-37	-115	-238	-301	-503	-332	-169
20%	-36	-20	0	0	-16	-20	-85	-255	-353	-485	-323	-183
30%	-12	-24	1	-17	-15	-38	-149	-207	-310	-408	-288	-140
40%	-16	-20	-7	-22	-5	-8	-77	-175	-307	-303	-231	-128
50%	-9	-37	-7	-5	-2	-20	-89	-126	-227	-253	-185	-120
60%	-26	-9	-4	-2	-6	-11	-101	-161	-182	-244	-220	-69
70%	-42	-23	-2	-2	-3	-2	-68	-182	-186	-202	-115	-50
80%	-22	-20	-1	-11	-11	0	-56	-109	-77	-144	-124	-22
90%	-23	-32	-2	-17	0	-6	-4	-151	31	-20	-76	-72
Long Term												
Full Simulation Period	-33	-22	-7	-10	-8	-14	-98	-172	-225	-327	-231	-102
Water Year Types												
Wet	-7	5	-8	-4	-5	-16	-143	-245	-299	-372	-304	-147
Above Normal	-58	-61	4	-15	-10	-9	-185	-259	-474	-368	-321	-168
Below Normal	47	18	4	-8	-4	-16	102	-123	-140	-302	-239	2
Dry	-131	-74	-24	-9	-17	-8	-171	-92	-99	-41	-36	-117
Critical	-22	-10	-1	-17	-10	-26	-51	-64	-76	-579	-230	-36

Long-Term and Water Year-Type Average of Total CVP Deliveries South of the Delta Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	2,670	1,585	1,151	1,274	1,718	2,083	2,592	3,755	5,447	5,876	5,010	3,413	2,214
Future - Base	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213	1,977
Difference	-129	-102	-138	-230	-283	-184	-317	-405	-671	-771	-489	-200	-237
Percent Difference	-5%	-6%	-12%	-18%	-16%	-9%	-12%	-11%	-12%	-13%	-10%	-6%	-11%
							Water Year-Types						
Wet													
Existing - Base	2,755	1,649	1,228	1,396	1,873	2,512	3,205	4,634	6,886	7,631	6,265	3,879	2,659
Future - Base	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566	2,313
Difference	-127	-99	-134	-226	-280	-280	-484	-635	-1,052	-1,264	-811	-313	-345
Percent Difference	-5%	-6%	-11%	-16%	-15%	-11%	-15%	-14%	-15%	-17%	-13%	-8%	-13%
Above Normal													
Existing - Base	2,740	1,643	1,230	1,404	1,877	2,297	2,904	4,175	6,129	6,509	5,394	3,647	2,418
Future - Base	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398	2,150
Difference	-144	-114	-151	-252	-312	-259	-396	-505	-837	-794	-412	-249	-267
Percent Difference	-5%	-7%	-12%	-18%	-17%	-11%	-14%	-12%	-14%	-12%	-8%	-7%	-11%
Below Normal													
Existing - Base	2,645	1,562	1,118	1,218	1,646	1,988	2,471	3,625	5,220	5,601	4,904	3,373	2,141
Future - Base	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183	1,913
Difference	-76	-67	-105	-188	-232	-198	-358	-392	-652	-756	-552	-190	-228
Percent Difference	-3%	-4%	-9%	-15%	-14%	-10%	-14%	-11%	-12%	-13%	-11%	-6%	-11%
Dry													
Existing - Base	2,688	1,598	1,166	1,297	1,747	1,770	2,122	3,136	4,412	4,658	4,213	3,129	1,932
Future - Base	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068	1,802
Difference	-190	-148	-189	-308	-375	-32	-69	-127	-211	-254	-184	-62	-129
Percent Difference	-7%	-9%	-16%	-24%	-21%	-2%	-3%	-4%	-5%	-5%	-4%	-2%	-7%
Critical													
Existing - Base	2,437	1,409	938	935	1,297	1,529	1,799	2,517	3,470	3,601	3,225	2,643	1,561
Future - Base	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556	1,447
Difference	-92	-75	-99	-162	-197	-87	-161	-168	-274	-342	-143	-86	-114
Percent Difference	-4%	-5%	-11%	-17%	-15%	-6%	-9%	-7%	-8%	-9%	-4%	-3%	-7%

Total CVP Deliveries South of the Delta

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,146	1,963	1,635	2,053	2,691	2,610	3,618	5,163	7,758	8,677	7,137	4,150
20%	2,897	1,760	1,366	1,613	2,139	2,431	3,098	4,370	6,449	7,106	5,875	3,750
30%	2,806	1,682	1,266	1,459	1,962	2,286	2,896	4,123	6,046	6,611	5,562	3,619
40%	2,755	1,638	1,209	1,371	1,849	2,177	2,733	3,975	5,804	6,294	5,232	3,541
50%	2,710	1,604	1,162	1,288	1,756	2,076	2,580	3,826	5,555	6,004	5,081	3,470
60%	2,636	1,548	1,084	1,151	1,582	2,023	2,419	3,579	5,143	5,444	4,674	3,353
70%	2,541	1,475	989	1,037	1,429	1,845	2,206	3,268	4,641	4,993	4,281	3,203
80%	2,408	1,363	849	764	1,068	1,596	1,942	2,893	4,010	4,174	3,822	2,995
90%	2,252	1,229	699	587	870	1,506	1,727	2,417	3,277	3,388	3,199	2,749
Long Term												
Full Simulation Period	2,670	1,585	1,151	1,274	1,718	2,083	2,592	3,755	5,447	5,876	5,010	3,413
Water Year Types												
Wet	2,755	1,649	1,228	1,396	1,873	2,512	3,205	4,634	6,886	7,631	6,265	3,879
Above Normal	2,740	1,643	1,230	1,404	1,877	2,297	2,904	4,175	6,129	6,509	5,394	3,647
Below Normal	2,645	1,562	1,118	1,218	1,646	1,988	2,471	3,625	5,220	5,601	4,904	3,373
Dry	2,688	1,598	1,166	1,297	1,747	1,770	2,122	3,136	4,412	4,658	4,213	3,129
Critical	2,437	1,409	938	935	1,297	1,529	1,799	2,517	3,470	3,601	3,225	2,643

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,941	1,798	1,415	1,688	2,240	2,237	2,991	4,427	6,543	7,218	6,075	3,780
20%	2,680	1,582	1,131	1,233	1,686	2,097	2,545	3,727	5,389	5,832	5,065	3,423
30%	2,638	1,550	1,086	1,155	1,563	2,032	2,485	3,587	5,156	5,552	4,863	3,357
40%	2,592	1,514	1,037	1,069	1,461	1,991	2,369	3,431	4,896	5,239	4,638	3,283
50%	2,558	1,488	1,001	1,006	1,392	1,953	2,330	3,318	4,708	5,013	4,475	3,229
60%	2,543	1,477	986	979	1,342	1,867	2,220	3,270	4,627	4,915	4,405	3,206
70%	2,503	1,445	943	909	1,280	1,698	2,023	3,147	4,424	4,671	4,227	3,144
80%	2,317	1,285	758	649	946	1,506	1,789	2,595	3,551	3,699	3,435	2,852
90%	2,252	1,229	666	483	770	1,506	1,565	2,402	3,208	3,212	3,156	2,749
Long Term												
Full Simulation Period	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213
Water Year Types												
Wet	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566
Above Normal	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398
Below Normal	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183
Dry	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068
Critical	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-205	-165	-220	-365	-451	-373	-627	-736	-1,215	-1,460	-1,061	-370
20%	-217	-178	-235	-380	-453	-334	-553	-644	-1,060	-1,274	-810	-327
30%	-168	-133	-179	-303	-398	-254	-411	-536	-890	-1,059	-699	-262
40%	-163	-124	-172	-302	-388	-186	-364	-544	-907	-1,055	-594	-258
50%	-152	-116	-161	-282	-363	-123	-249	-508	-847	-991	-606	-241
60%	-93	-71	-98	-172	-240	-156	-199	-309	-516	-529	-269	-147
70%	-38	-31	-46	-128	-149	-147	-183	-121	-217	-322	-54	-59
80%	-91	-78	-90	-115	-122	-90	-153	-298	-458	-475	-386	-143
90%	0	0	-32	-104	-101	0	-162	-14	-69	-175	-43	0
Long Term												
Full Simulation Period	-129	-102	-138	-230	-283	-184	-317	-405	-671	-771	-489	-200
Water Year Types												
Wet	-127	-99	-134	-226	-280	-280	-484	-635	-1,052	-1,264	-811	-313
Above Normal	-144	-114	-151	-252	-312	-259	-396	-505	-837	-794	-412	-249
Below Normal	-76	-67	-105	-188	-232	-198	-358	-392	-652	-756	-552	-190
Dry	-190	-148	-189	-308	-375	-32	-69	-127	-211	-254	-184	-62
Critical	-92	-75	-99	-162	-197	-87	-161	-168	-274	-342	-143	-86

Long-Term and Water Year-Type Average of Total SWP Deliveries North of the Delta Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	1,449	1,463	935	345	14	92	2,122	2,685	3,217	3,169	2,515	1,874	1,205
Future - Base	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806	1,154
Difference	-66	-69	-41	-17	-1	-3	-117	-106	-125	-125	-101	-68	-51
Percent Difference	-5%	-5%	-4%	-5%	-10%	-3%	-5%	-4%	-4%	-4%	-4%	-4%	-4%
							Water Year-Types						
Wet													
Existing - Base	1,349	1,476	900	256	19	65	1,890	2,778	3,378	3,342	2,671	2,067	1,224
Future - Base	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074	1,213
Difference	-46	-75	-47	-14	0	0	-22	-2	11	-1	1	7	-11
Percent Difference	-3%	-5%	-5%	-5%	0%	-1%	-1%	0%	0%	0%	0%	0%	-1%
Above Normal													
Existing - Base	1,568	1,578	982	389	16	50	2,034	2,789	3,376	3,298	2,613	2,185	1,266
Future - Base	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204	1,275
Difference	-3	44	73	19	-2	0	-4	1	-41	29	14	19	9
Percent Difference	0%	3%	7%	5%	-11%	0%	0%	0%	-1%	1%	1%	1%	1%
Below Normal													
Existing - Base	1,465	1,428	971	390	12	73	2,227	2,850	3,348	3,292	2,628	1,805	1,242
Future - Base	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792	1,216
Difference	186	212	116	27	-3	-10	-102	-197	-205	-249	-193	-13	-26
Percent Difference	13%	15%	12%	7%	-26%	-13%	-5%	-7%	-6%	-8%	-7%	-1%	-2%
Dry													
Existing - Base	1,586	1,495	979	379	12	111	2,179	2,641	3,158	3,039	2,427	1,938	1,209
Future - Base	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750	1,136
Difference	-248	-247	-149	-32	-2	-8	-126	-37	-75	-54	-42	-187	-73
Percent Difference	-16%	-17%	-15%	-9%	-20%	-7%	-6%	-1%	-2%	-2%	-2%	-10%	-6%
Critical													
Existing - Base	1,330	1,326	851	373	11	191	2,466	2,211	2,613	2,676	2,046	1,175	1,047
Future - Base	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967	881
Difference	-159	-180	-117	-61	-1	-9	-398	-379	-429	-436	-366	-207	-166
Percent Difference	-12%	-14%	-14%	-16%	-13%	-5%	-16%	-17%	-16%	-16%	-18%	-18%	-16%

Total SWP Deliveries North of the Delta

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,189	2,095	1,377	634	20	199	3,028	3,131	3,658	3,564	2,851	2,296
20%	2,083	1,972	1,311	545	20	129	2,766	3,040	3,510	3,485	2,800	2,233
30%	1,852	1,922	1,250	477	20	46	2,505	2,979	3,442	3,371	2,692	2,181
40%	1,621	1,877	1,169	452	19	45	2,333	2,935	3,374	3,328	2,615	2,122
50%	1,432	1,754	1,079	398	15	45	2,110	2,816	3,323	3,263	2,577	2,061
60%	1,330	1,572	966	310	12	45	1,988	2,686	3,260	3,194	2,542	2,027
70%	1,282	1,409	822	167	11	40	1,822	2,594	3,160	3,138	2,504	1,909
80%	987	797	532	66	4	34	1,421	2,385	3,102	3,076	2,454	1,555
90%	442	188	85	4	3	26	1,141	1,928	2,974	2,941	2,194	1,007
Long Term												
Full Simulation Period	1,449	1,463	935	345	14	92	2,122	2,685	3,217	3,169	2,515	1,874
Water Year Types												
Wet	1,349	1,476	900	256	19	65	1,890	2,778	3,378	3,342	2,671	2,067
Above Normal	1,568	1,578	982	389	16	50	2,034	2,789	3,376	3,298	2,613	2,185
Below Normal	1,465	1,428	971	390	12	73	2,227	2,850	3,348	3,292	2,628	1,805
Dry	1,586	1,495	979	379	12	111	2,179	2,641	3,158	3,039	2,427	1,938
Critical	1,330	1,326	851	373	11	191	2,466	2,211	2,613	2,676	2,046	1,175

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,163	2,065	1,372	614	20	198	2,860	3,128	3,657	3,561	2,846	2,296
20%	2,011	1,961	1,290	520	20	128	2,556	3,038	3,510	3,477	2,800	2,233
30%	1,827	1,898	1,219	469	20	45	2,378	2,974	3,442	3,369	2,687	2,175
40%	1,653	1,843	1,157	443	19	45	2,110	2,899	3,373	3,302	2,608	2,118
50%	1,404	1,703	1,024	383	15	45	2,006	2,738	3,312	3,227	2,577	2,049
60%	1,320	1,495	940	266	11	45	1,845	2,648	3,201	3,168	2,531	1,963
70%	1,203	1,193	681	154	4	45	1,739	2,470	3,116	3,106	2,484	1,662
80%	861	570	347	60	3	32	1,397	1,931	2,987	2,952	2,290	1,247
90%	277	53	12	11	2	20	1,141	1,669	1,927	1,929	1,506	987
Long Term												
Full Simulation Period	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806
Water Year Types												
Wet	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074
Above Normal	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204
Below Normal	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792
Dry	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750
Critical	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-27	-30	-5	-20	0	-1	-167	-3	-1	-3	-5	0
20%	-72	-11	-20	-25	0	0	-210	-2	0	-8	0	0
30%	-25	-24	-31	-8	0	0	-127	-6	0	-2	-5	-6
40%	31	-35	-12	-9	0	0	-222	-36	-1	-25	-7	-4
50%	-29	-52	-55	-15	0	0	-104	-78	-11	-35	0	-12
60%	-10	-77	-26	-44	-1	0	-142	-38	-59	-26	-11	-64
70%	-78	-216	-141	-13	-8	4	-83	-123	-43	-32	-20	-247
80%	-127	-227	-185	-7	-1	-3	-23	-454	-115	-124	-163	-308
90%	-165	-135	-73	7	-1	-6	0	-259	-1,047	-1,012	-688	-20
Long Term												
Full Simulation Period	-66	-69	-41	-17	-1	-3	-117	-106	-125	-125	-101	-68
Water Year Types												
Wet	-46	-75	-47	-14	0	0	-22	-2	11	-1	1	7
Above Normal	-3	44	73	19	-2	0	-4	1	-41	29	14	19
Below Normal	186	212	116	27	-3	-10	-102	-197	-205	-249	-193	-13
Dry	-248	-247	-149	-32	-2	-8	-126	-37	-75	-54	-42	-187
Critical	-159	-180	-117	-61	-1	-9	-398	-379	-429	-436	-366	-207

Long-Term and Water Year-Type Average of Total SWP Deliveries South of the Delta Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	4,044	3,416	3,459	465	782	1,284	2,414	3,688	5,146	5,640	5,790	4,893	2,486
Future - Base	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829	2,489
Difference	-1	-432	137	7	58	248	128	125	19	-105	-84	-64	3
Percent Difference	0%	-13%	4%	1%	7%	19%	5%	3%	0%	-2%	-1%	-1%	0%
							Water Year-Types						
Wet													
Existing - Base	4,429	3,815	3,773	1,079	1,629	2,451	3,750	5,270	6,698	6,801	7,098	5,951	3,194
Future - Base	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006	3,210
Difference	-84	-822	366	29	187	215	85	95	75	13	53	55	16
Percent Difference	-2%	-22%	10%	3%	11%	9%	2%	2%	1%	0%	1%	1%	1%
Above Normal													
Existing - Base	4,055	3,517	3,542	399	1,077	1,692	3,180	4,482	5,926	6,196	6,553	5,555	2,797
Future - Base	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656	2,949
Difference	175	-72	439	-124	-128	602	350	485	318	180	158	101	152
Percent Difference	4%	-2%	12%	-31%	-12%	36%	11%	11%	5%	3%	2%	2%	5%
Below Normal													
Existing - Base	4,050	3,353	3,444	191	336	863	2,305	3,477	5,138	5,942	6,158	5,272	2,458
Future - Base	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329	2,596
Difference	416	-153	317	85	124	77	348	478	337	86	103	57	138
Percent Difference	10%	-5%	9%	45%	37%	9%	15%	14%	7%	1%	2%	1%	6%
Dry													
Existing - Base	3,928	3,199	3,448	125	192	390	1,342	2,452	4,065	4,948	4,911	4,214	2,016
Future - Base	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140	1,994
Difference	-103	-439	-345	-3	7	431	182	135	19	-122	-57	-74	-22
Percent Difference	-3%	-14%	-10%	-3%	4%	110%	14%	5%	0%	-2%	-1%	-2%	-1%
Critical													
Existing - Base	3,377	2,862	2,758	95	143	230	451	1,543	2,584	3,159	2,952	2,396	1,369
Future - Base	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132	1,213
Difference	-252	-184	-48	-24	-38	-32	-36	-259	-429	-524	-482	-264	-156
Percent Difference	-7%	-6%	-2%	-25%	-27%	-14%	-8%	-17%	-17%	-17%	-16%	-11%	-11%

Total SWP Deliveries South of the Delta

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,129	4,776	5,541	1,795	2,061	2,896	4,442	6,100	7,671	7,647	7,791	6,656
20%	5,093	4,372	4,331	592	1,846	2,603	3,679	5,031	6,322	6,528	6,826	5,798
30%	4,839	4,258	4,035	298	1,268	2,451	3,368	4,703	5,924	6,380	6,690	5,674
40%	4,678	4,177	3,884	213	393	1,168	3,151	4,543	5,802	6,169	6,549	5,542
50%	4,500	3,770	3,634	162	279	571	2,400	3,888	5,493	6,078	6,448	5,390
60%	4,261	3,432	3,355	142	255	456	1,993	3,117	5,202	5,922	6,287	5,176
70%	3,403	2,780	2,818	114	214	382	1,694	2,408	4,265	5,525	5,649	4,826
80%	2,205	1,907	2,101	92	174	273	473	2,020	3,349	4,041	3,743	3,165
90%	1,545	1,239	1,379	80	110	207	380	1,631	2,705	3,286	3,008	2,186
Long Term												
Full Simulation Period	4,044	3,416	3,459	465	782	1,284	2,414	3,688	5,146	5,640	5,790	4,893
Water Year Types												
Wet	4,429	3,815	3,773	1,079	1,629	2,451	3,750	5,270	6,698	6,801	7,098	5,951
Above Normal	4,055	3,517	3,542	399	1,077	1,692	3,180	4,482	5,926	6,196	6,553	5,555
Below Normal	4,050	3,353	3,444	191	336	863	2,305	3,477	5,138	5,942	6,158	5,272
Dry	3,928	3,199	3,448	125	192	390	1,342	2,452	4,065	4,948	4,911	4,214
Critical	3,377	2,862	2,758	95	143	230	451	1,543	2,584	3,159	2,952	2,396

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,024	4,586	5,669	1,962	2,014	2,905	4,303	5,987	7,491	7,386	7,710	6,606
20%	5,428	4,361	5,320	595	1,939	2,706	3,782	5,413	6,881	7,045	7,177	6,208
30%	5,007	4,042	4,484	231	1,754	2,547	3,546	4,855	6,162	6,469	6,763	5,710
40%	4,894	3,793	4,121	172	634	2,500	3,396	4,756	6,020	6,231	6,634	5,517
50%	4,695	3,368	3,879	145	305	1,970	3,227	4,579	5,814	6,154	6,532	5,440
60%	4,383	2,362	3,600	104	193	456	2,566	3,547	5,530	5,944	6,369	5,228
70%	2,920	2,054	2,708	91	137	337	1,514	2,544	4,505	5,640	5,920	4,934
80%	2,451	1,296	1,887	72	112	220	520	2,078	3,482	4,247	3,946	3,332
90%	1,299	897	964	56	55	146	301	1,184	1,956	2,357	2,163	1,854
Long Term												
Full Simulation Period	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829
Water Year Types												
Wet	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006
Above Normal	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656
Below Normal	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329
Dry	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140
Critical	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-105	-190	129	166	-47	9	-139	-113	-180	-261	-81	-50
20%	335	-11	989	3	93	102	103	383	559	518	351	410
30%	168	-216	450	-67	485	96	178	152	238	89	72	37
40%	216	-384	237	-42	241	1,332	245	213	218	62	86	-25
50%	194	-402	245	-18	25	1,399	826	691	321	77	84	50
60%	123	-1,070	246	-38	-62	0	573	430	328	22	82	52
70%	-483	-726	-110	-23	-77	-45	-179	136	240	115	271	108
80%	246	-611	-214	-20	-63	-53	47	58	133	207	203	167
90%	-246	-343	-414	-24	-56	-61	-79	-447	-749	-930	-845	-332
Long Term												
Full Simulation Period	-1	-432	137	7	58	248	128	125	19	-105	-84	-64
Water Year Types												
Wet	-84	-822	366	29	187	215	85	95	75	13	53	55
Above Normal	175	-72	439	-124	-128	602	350	485	318	180	158	101
Below Normal	416	-153	317	85	124	77	348	478	337	86	103	57
Dry	-103	-439	-345	-3	7	431	182	135	19	-122	-57	-74
Critical	-252	-184	-48	-24	-38	-32	-36	-259	-429	-524	-482	-264

Long-Term and Water Year-Type Average of Fremont Weir Spill to Yolo Bypass Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	114	257	2,635	8,485	13,204	6,934	1,024	20	0	0	0	0	1,933
Future - Base	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0	2,453
Difference	-71	-200	120	3,673	3,725	1,531	26	-16	0	0	0	0	521
Percent Difference	-62%	-78%	5%	43%	28%	22%	3%	-84%	0%	0%	0%	0%	27%
							Water Year-Types						
Wet													
Existing - Base	374	844	7,678	25,448	36,369	18,505	3,244	64	0	0	0	0	5,472
Future - Base	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0	6,503
Difference	-239	-664	-86	8,700	4,851	4,645	-9	-54	0	0	0	0	1,030
Percent Difference	-64%	-79%	-1%	34%	13%	25%	0%	-84%	0%	0%	0%	0%	19%
Above Normal													
Existing - Base	0	0	2,008	4,550	10,271	7,823	33	0	0	0	0	0	1,470
Future - Base	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0	2,432
Difference	0	0	-1,062	4,655	14,971	-1,615	-20	0	0	0	0	0	962
Percent Difference	0%	0%	-53%	102%	146%	-21%	-59%	0%	0%	0%	0%	0%	65%
Below Normal													
Existing - Base	0	0	0	291	2,453	501	143	0	0	0	0	0	196
Future - Base	0	0	1,390	583	1,456	737	137	0	0	0	0	0	257
Difference	0	0	1,390	292	-996	236	-6	0	0	0	0	0	61
Percent Difference	0%	0%	0%	101%	-41%	47%	-4%	0%	0%	0%	0%	0%	31%
Dry													
Existing - Base	0	0	0	0	537	224	0	0	0	0	0	0	44
Future - Base	0	0	0	11	981	717	0	0	0	0	0	0	99
Difference	0	0	0	11	444	493	0	0	0	0	0	0	56
Percent Difference	0%	0%	0%	4184%	83%	220%	0%	0%	0%	0%	0%	0%	128%
Critical													
Existing - Base	0	0	0	0	1	0	0	0	0	0	0	0	0
Future - Base	0	0	0	0	26	0	0	0	0	0	0	0	1
Difference	0	0	0	0	25	0	0	0	0	0	0	0	1
Percent Difference	0%	0%	0%	0%	3260%	0%	0%	0%	0%	0%	0%	0%	3260%

Fremont Weir Spill to Yolo Bypass

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	7,950	28,958	47,428	19,929	23	0	0	0	0	0
20%	0	0	17	7,664	20,668	5,676	0	0	0	0	0	0
30%	0	0	0	2,091	7,247	1,385	0	0	0	0	0	0
40%	0	0	0	0	1,768	0	0	0	0	0	0	0
50%	0	0	0	0	23	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	114	257	2,635	8,485	13,204	6,934	1,024	20	0	0	0	0
Water Year Types												
Wet	374	844	7,678	25,448	36,369	18,505	3,244	64	0	0	0	0
Above Normal	0	0	2,008	4,550	10,271	7,823	33	0	0	0	0	0
Below Normal	0	0	0	291	2,453	501	143	0	0	0	0	0
Dry	0	0	0	0	537	224	0	0	0	0	0	0
Critical	0	0	0	0	1	0	0	0	0	0	0	0

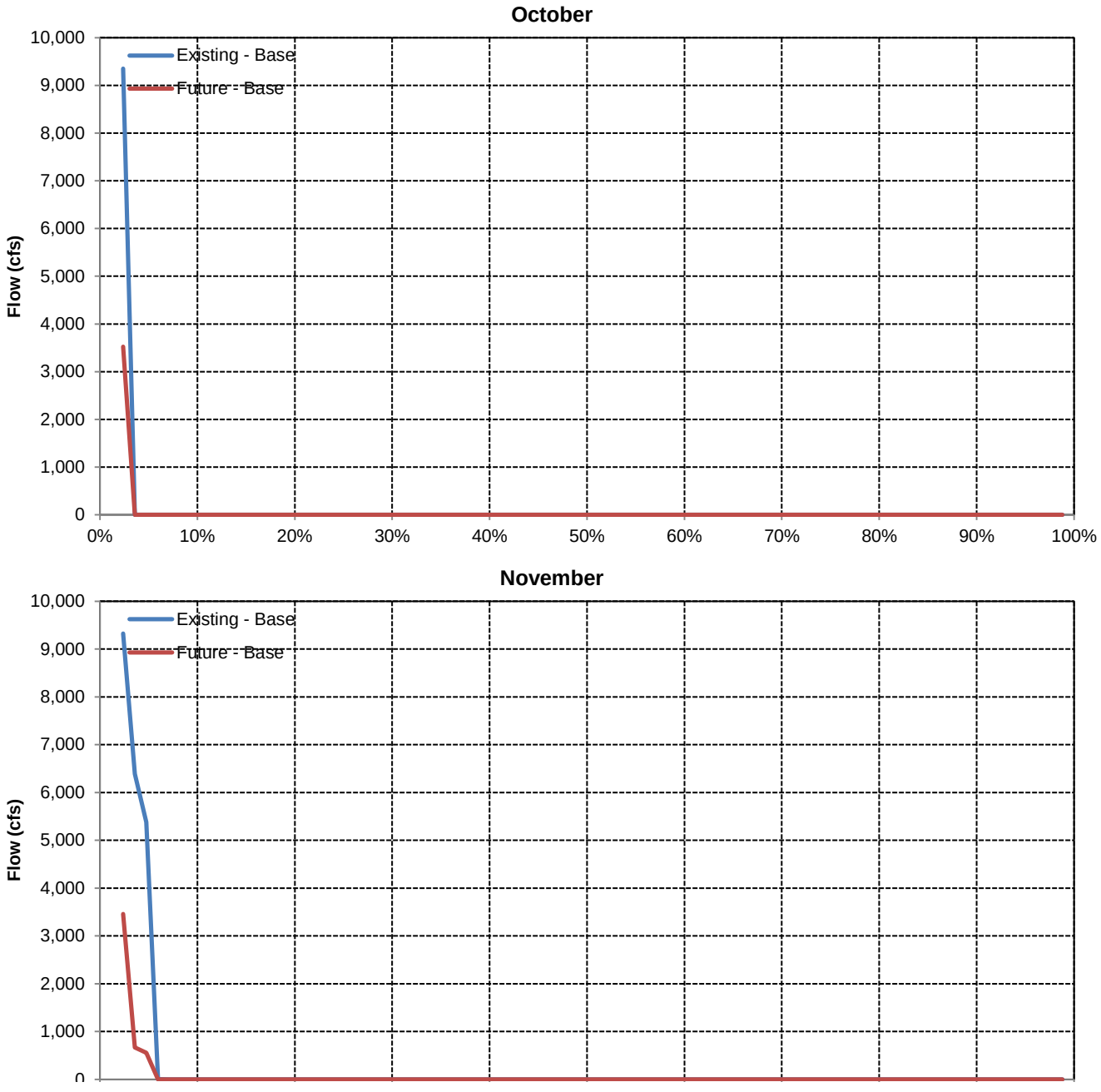
Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	9,636	45,653	68,479	26,076	480	0	0	0	0	0
20%	0	0	417	14,794	32,134	7,332	2	0	0	0	0	0
30%	0	0	0	2,685	10,131	3,487	0	0	0	0	0	0
40%	0	0	0	83	4,103	180	0	0	0	0	0	0
50%	0	0	0	0	501	0	0	0	0	0	0	0
60%	0	0	0	0	3	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0
Water Year Types												
Wet	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0
Above Normal	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0
Below Normal	0	0	1,390	583	1,456	737	137	0	0	0	0	0
Dry	0	0	0	11	981	717	0	0	0	0	0	0
Critical	0	0	0	0	26	0	0	0	0	0	0	0

Future - Base Minus Existing - Base

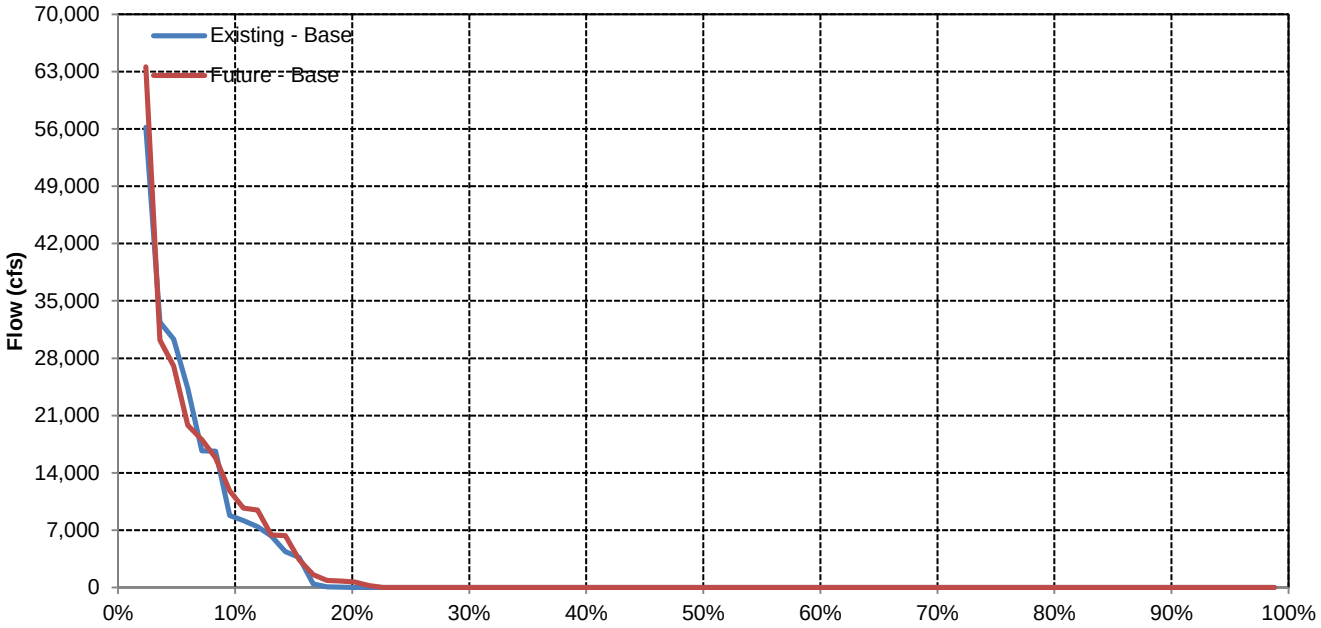
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	1,686	16,695	21,051	6,147	458	0	0	0	0	0
20%	0	0	400	7,129	11,466	1,656	2	0	0	0	0	0
30%	0	0	0	595	2,885	2,103	0	0	0	0	0	0
40%	0	0	0	83	2,335	180	0	0	0	0	0	0
50%	0	0	0	0	478	0	0	0	0	0	0	0
60%	0	0	0	0	3	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	-71	-200	120	3,673	3,725	1,531	26	-16	0	0	0	0
Water Year Types												
Wet	-239	-664	-86	8,700	4,851	4,645	-9	-54	0	0	0	0
Above Normal	0	0	-1,062	4,655	14,971	-1,615	-20	0	0	0	0	0
Below Normal	0	0	1,390	292	-996	236	-6	0	0	0	0	0
Dry	0	0	0	11	444	493	0	0	0	0	0	0
Critical	0	0	0	0	25	0	0	0	0	0	0	0

Fremont Weir Spill to Yolo Bypass

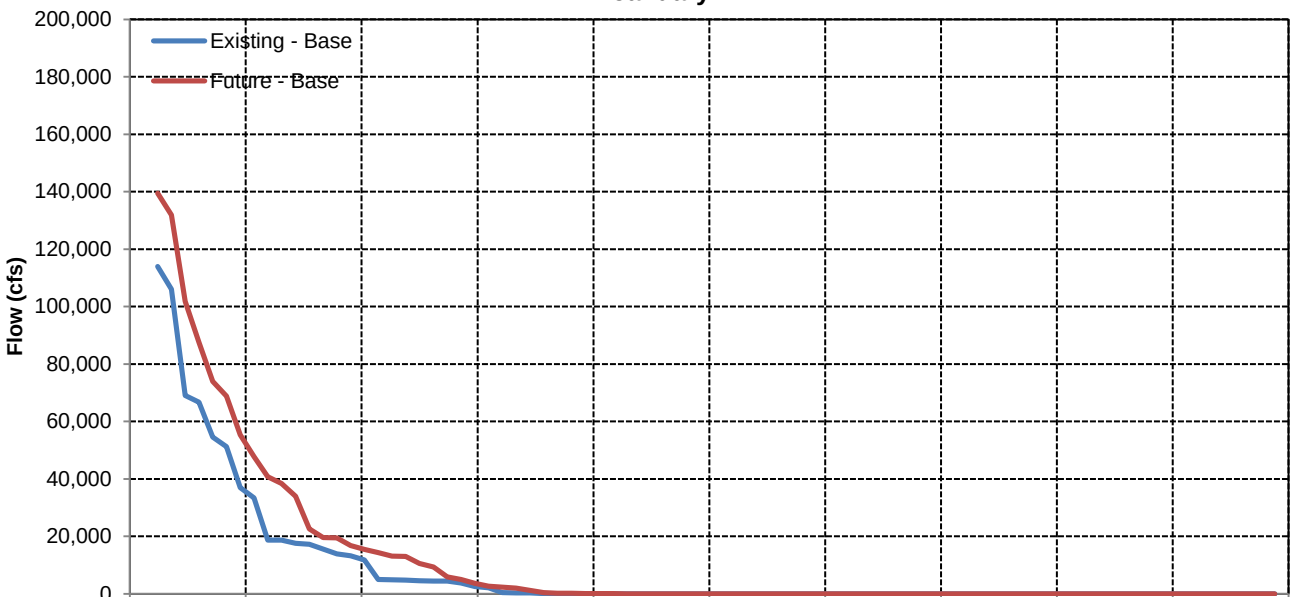


Fremont Weir Spill to Yolo Bypass

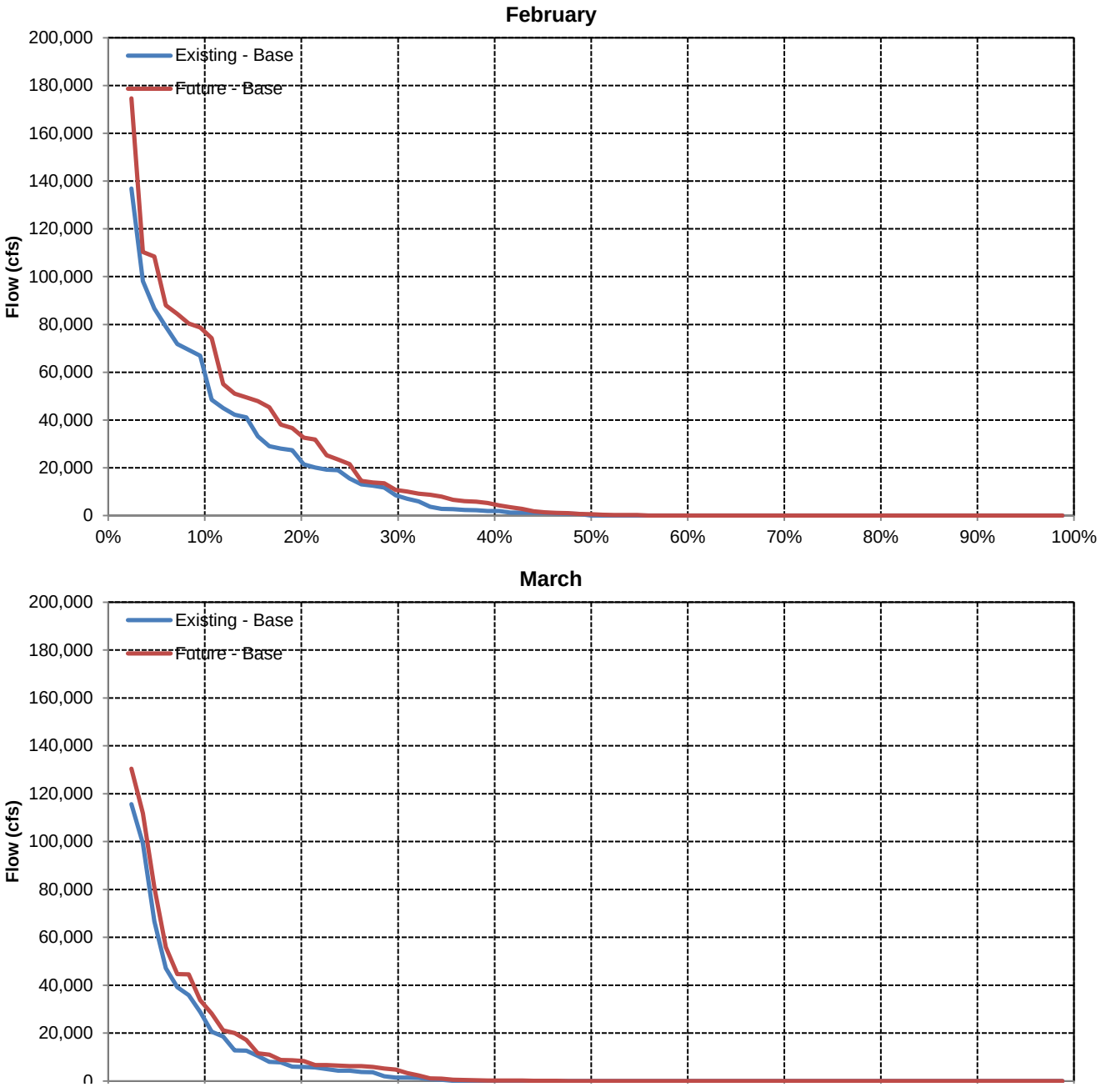
December



January

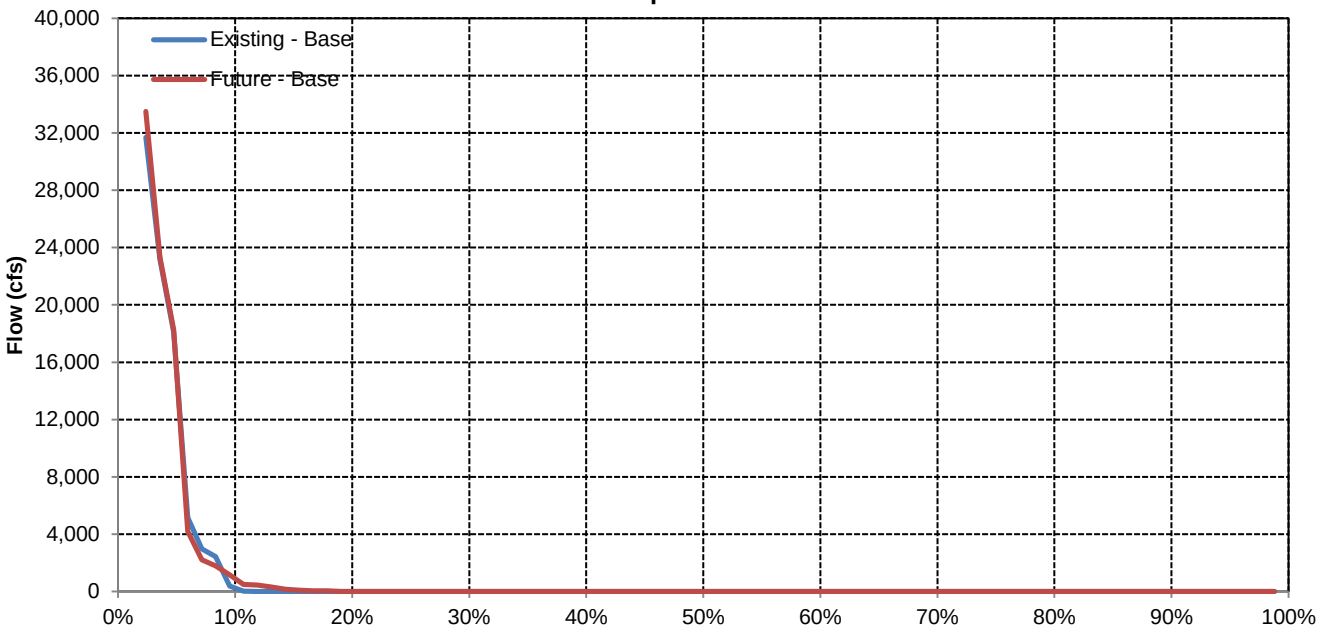


Fremont Weir Spill to Yolo Bypass



Fremont Weir Spill to Yolo Bypass

April



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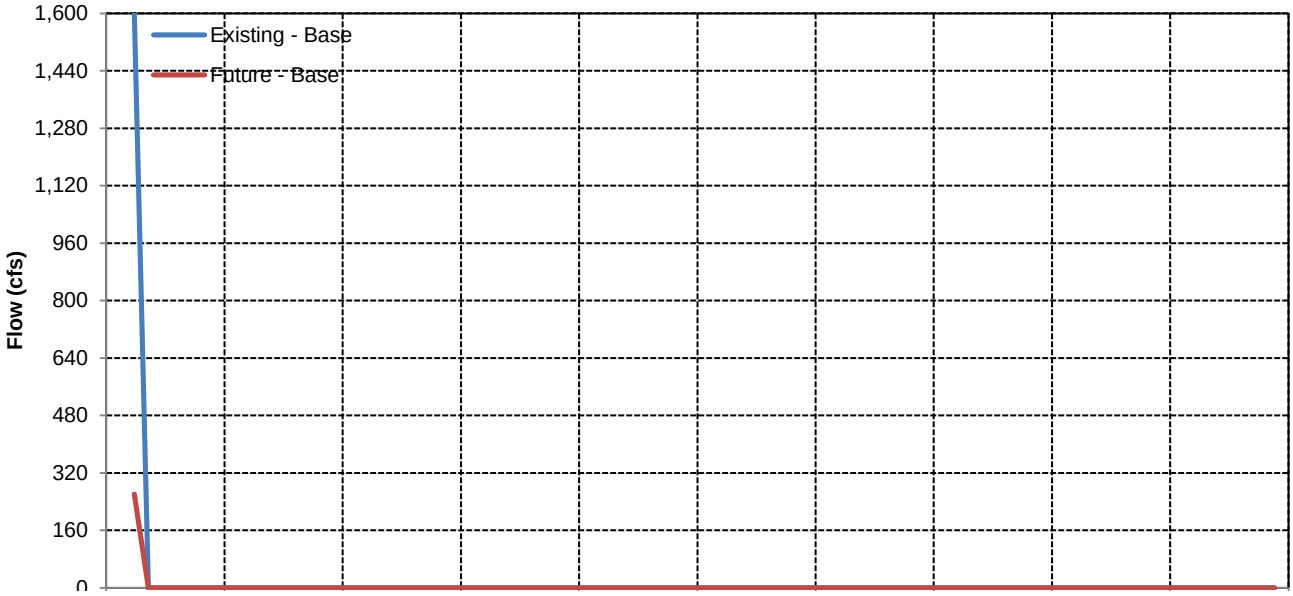
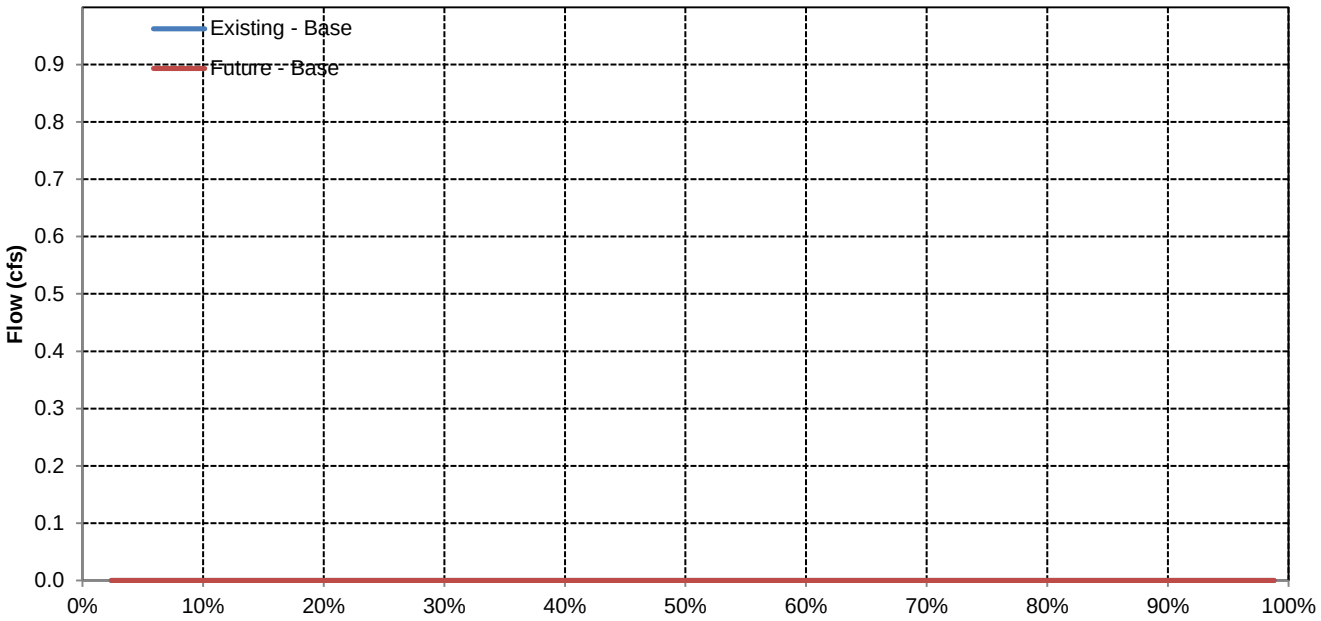


Fremont Weir Spill to Yolo Bypass

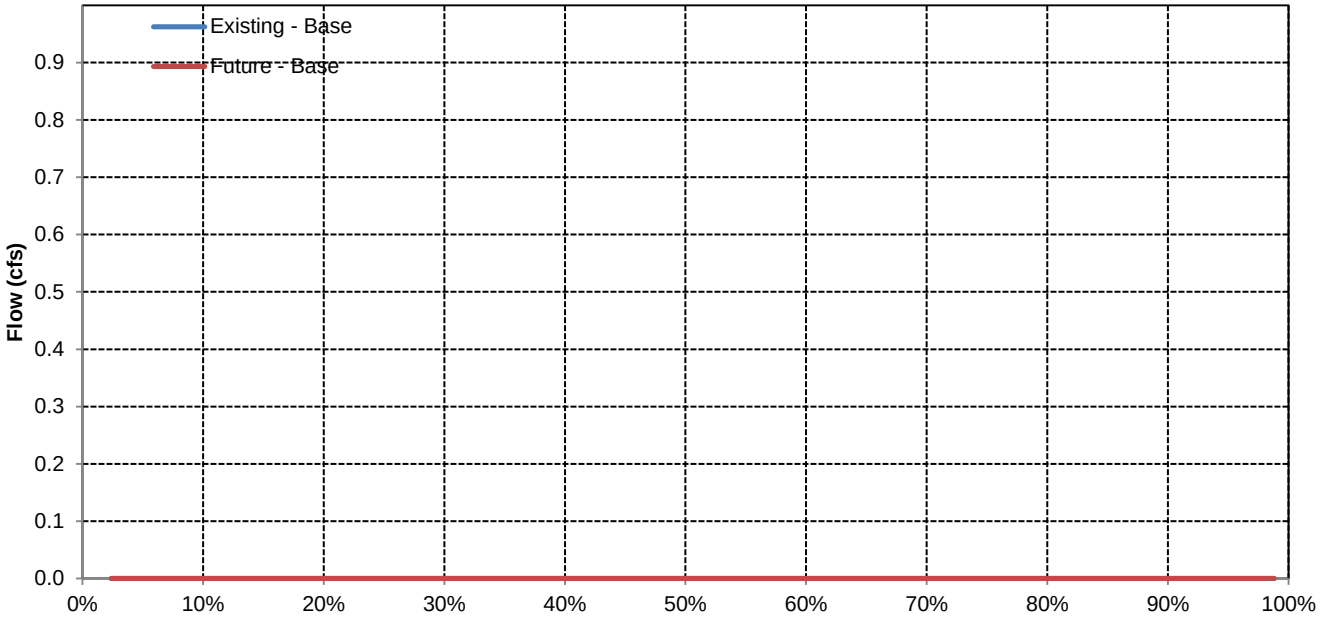
June



July

Fremont Weir Spill to Yolo Bypass

August



September

Long-Term and Water Year-Type Average of Sacramento River below Fremont Weir Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	9,484	12,510	19,726	28,534	34,880	30,067	18,486	11,524	11,174	16,563	12,346	14,753	13,226
Future - Base	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824	13,150
Difference	-279	-1,783	1	1,496	1,098	961	-915	-1,065	2,501	-1,205	-1,073	-929	-77
Percent Difference	-3%	-14%	0%	5%	3%	3%	-5%	-9%	22%	-7%	-9%	-6%	-1%
							Water Year-Types						
Wet													
Existing - Base	10,891	17,182	34,594	47,388	54,159	44,817	30,280	15,515	11,984	17,719	13,701	22,821	19,273
Future - Base	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425	19,081
Difference	-574	-3,014	-1,013	2,102	541	1,528	-2,432	-3,487	2,194	1,246	-914	604	-192
Percent Difference	-5%	-18%	-3%	4%	1%	3%	-8%	-22%	18%	7%	-7%	3%	-1%
Above Normal													
Existing - Base	9,877	12,058	19,277	36,324	42,867	40,008	19,128	12,828	11,814	18,508	14,754	17,430	15,325
Future - Base	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466	15,480
Difference	303	-1,458	-1,144	1,741	7,403	-628	-2,489	-1,183	4,547	-616	-2,371	-964	155
Percent Difference	3%	-12%	-6%	5%	17%	-2%	-13%	-9%	38%	-3%	-16%	-6%	1%
Below Normal													
Existing - Base	9,114	11,699	12,901	19,738	26,173	23,730	15,307	10,497	11,507	18,684	13,981	10,737	11,081
Future - Base	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153	10,869
Difference	140	-1,902	1,023	3,471	-628	696	-693	263	3,456	-3,241	-3,517	-2,584	-212
Percent Difference	2%	-16%	8%	18%	-2%	3%	-5%	3%	30%	-17%	-25%	-24%	-2%
Dry													
Existing - Base	8,797	10,284	11,881	14,395	22,880	19,311	9,957	8,686	10,655	14,790	10,143	10,040	9,128
Future - Base	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654	9,257
Difference	-610	-974	698	540	0	2,297	1,573	739	2,518	-2,267	26	-2,386	129
Percent Difference	-7%	-9%	6%	4%	0%	12%	16%	9%	24%	-15%	0%	-24%	1%
Critical													
Existing - Base	7,603	7,349	9,332	12,776	15,062	12,715	9,151	7,145	9,068	11,571	7,736	7,241	7,035
Future - Base	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025	7,121
Difference	-51	-585	43	274	385	323	278	226	497	-1,715	1,957	-216	86
Percent Difference	-1%	-8%	0%	2%	3%	3%	3%	3%	5%	-15%	25%	-3%	1%

Sacramento River below Fremont Weir

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	12,667	17,867	45,100	57,729	61,959	57,591	41,031	20,423	13,312	19,786	15,641	24,263
20%	11,568	15,291	30,157	49,978	58,550	49,208	29,852	12,476	12,632	19,450	14,918	21,584
30%	10,868	14,177	20,670	38,268	45,964	41,694	19,097	10,802	12,207	18,980	14,204	20,190
40%	10,328	12,419	16,827	30,451	40,042	32,187	14,333	9,587	11,482	18,481	13,746	16,796
50%	9,258	11,470	14,375	20,927	29,701	24,238	11,811	9,148	10,870	17,699	13,483	12,593
60%	8,339	10,242	12,138	16,320	24,021	20,650	10,617	8,809	10,372	17,239	13,030	11,383
70%	7,401	8,651	11,421	13,695	18,359	16,099	9,968	8,553	10,029	15,866	11,157	9,527
80%	6,330	6,998	8,557	11,396	14,745	13,147	9,106	7,912	9,548	12,798	8,367	8,339
90%	5,547	6,108	7,167	10,140	12,940	10,022	8,064	7,372	8,384	10,409	7,531	7,435
Long Term												
Full Simulation Period	9,484	12,510	19,726	28,534	34,880	30,067	18,486	11,524	11,174	16,563	12,346	14,753
Water Year Types												
Wet	10,891	17,182	34,594	47,388	54,159	44,817	30,280	15,515	11,984	17,719	13,701	22,821
Above Normal	9,877	12,058	19,277	36,324	42,867	40,008	19,128	12,828	11,814	18,508	14,754	17,430
Below Normal	9,114	11,699	12,901	19,738	26,173	23,730	15,307	10,497	11,507	18,684	13,981	10,737
Dry	8,797	10,284	11,881	14,395	22,880	19,311	9,957	8,686	10,655	14,790	10,143	10,040
Critical	7,603	7,349	9,332	12,776	15,062	12,715	9,151	7,145	9,068	11,571	7,736	7,241

Future - Base

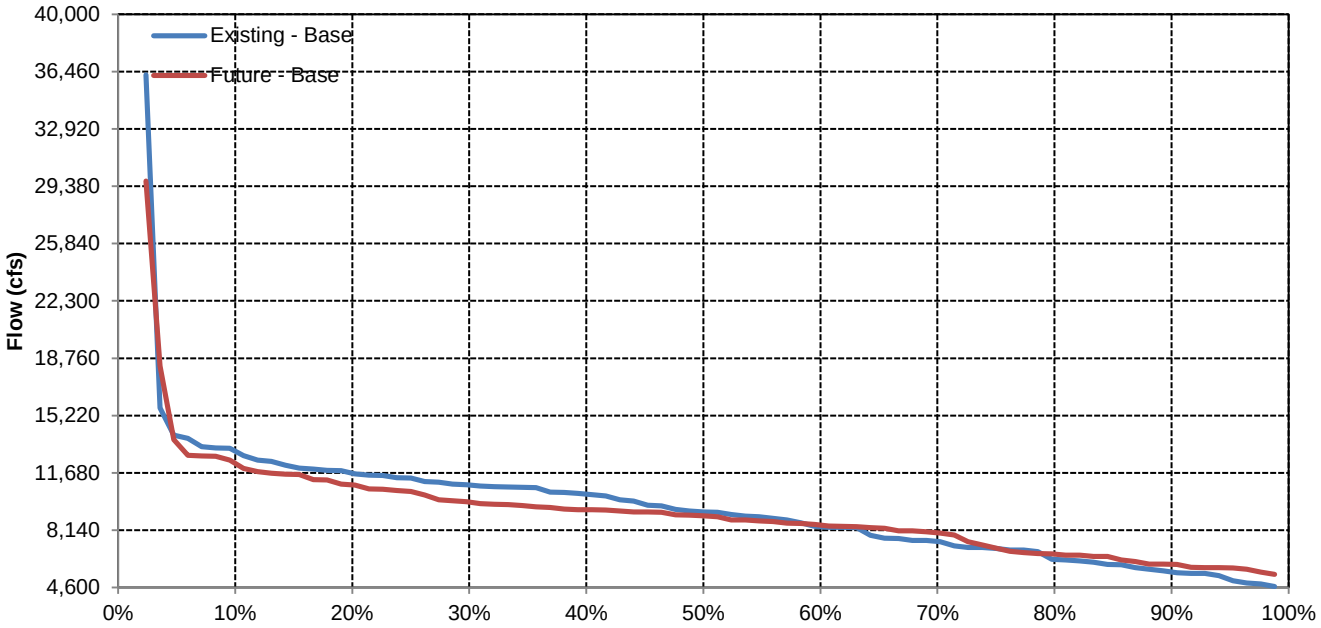
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,897	16,169	45,741	61,582	63,120	58,501	40,381	14,264	19,317	20,306	15,937	23,746
20%	10,789	13,042	30,986	52,000	59,936	50,976	24,134	12,203	18,036	19,458	13,060	23,231
30%	9,787	11,409	19,616	42,207	50,229	42,750	16,494	11,100	17,030	17,789	11,135	21,443
40%	9,396	10,373	16,258	31,518	42,508	33,844	14,502	10,319	14,771	17,206	10,721	14,835
50%	9,004	9,580	14,683	22,826	32,845	25,125	12,720	9,227	12,760	16,197	10,366	9,351
60%	8,421	8,564	12,034	17,536	23,964	20,148	10,605	8,847	11,697	14,641	10,117	8,213
70%	7,953	7,746	10,580	14,086	19,326	17,034	9,863	8,329	10,907	12,994	9,872	7,627
80%	6,644	6,697	8,469	11,527	15,457	13,796	9,349	7,855	9,488	11,435	9,571	7,237
90%	6,027	5,916	7,135	10,183	12,838	10,799	8,626	7,207	8,168	9,224	9,229	6,510
Long Term												
Full Simulation Period	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824
Water Year Types												
Wet	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425
Above Normal	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466
Below Normal	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153
Dry	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654
Critical	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025

Future - Base Minus Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-771	-1,697	641	3,853	1,161	910	-651	-6,159	6,005	521	296	-517
20%	-779	-2,249	829	2,022	1,385	1,768	-5,718	-274	5,403	8	-1,859	1,647
30%	-1,081	-2,768	-1,054	3,939	4,265	1,056	-2,603	298	4,822	-1,191	-3,069	1,253
40%	-932	-2,046	-568	1,067	2,465	1,657	169	732	3,289	-1,275	-3,025	-1,961
50%	-254	-1,891	308	1,900	3,144	886	909	79	1,890	-1,502	-3,117	-3,242
60%	82	-1,678	-103	1,216	-57	-502	-12	38	1,325	-2,598	-2,913	-3,171
70%	551	-906	-841	390	967	935	-105	-224	878	-2,872	-1,285	-1,900
80%	314	-301	-87	131	712	649	244	-57	-60	-1,363	1,204	-1,102
90%	480	-193	-32	43	-101	778	562	-164	-216	-1,185	1,698	-926
Long Term												
Full Simulation Period	-279	-1,783	1	1,496	1,098	961	-915	-1,065	2,501	-1,205	-1,073	-929
Water Year Types												
Wet	-574	-3,014	-1,013	2,102	541	1,528	-2,432	-3,487	2,194	1,246	-914	604
Above Normal	303	-1,458	-1,144	1,741	7,403	-628	-2,489	-1,183	4,547	-616	-2,371	-964
Below Normal	140	-1,902	1,023	3,471	-628	696	-693	263	3,456	-3,241	-3,517	-2,584
Dry	-610	-974	698	540	0	2,297	1,573	739	2,518	-2,267	26	-2,386
Critical	-51	-585	43	274	385	323	278	226	497	-1,715	1,957	-216

Sacramento River below Fremont Weir

October



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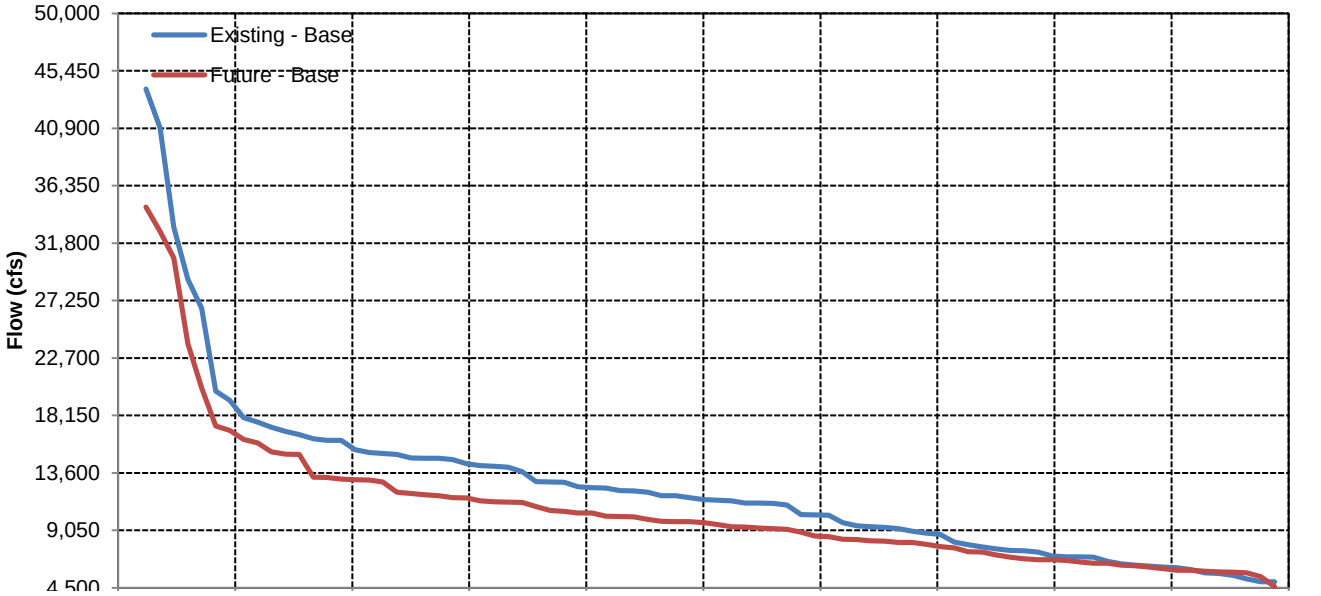
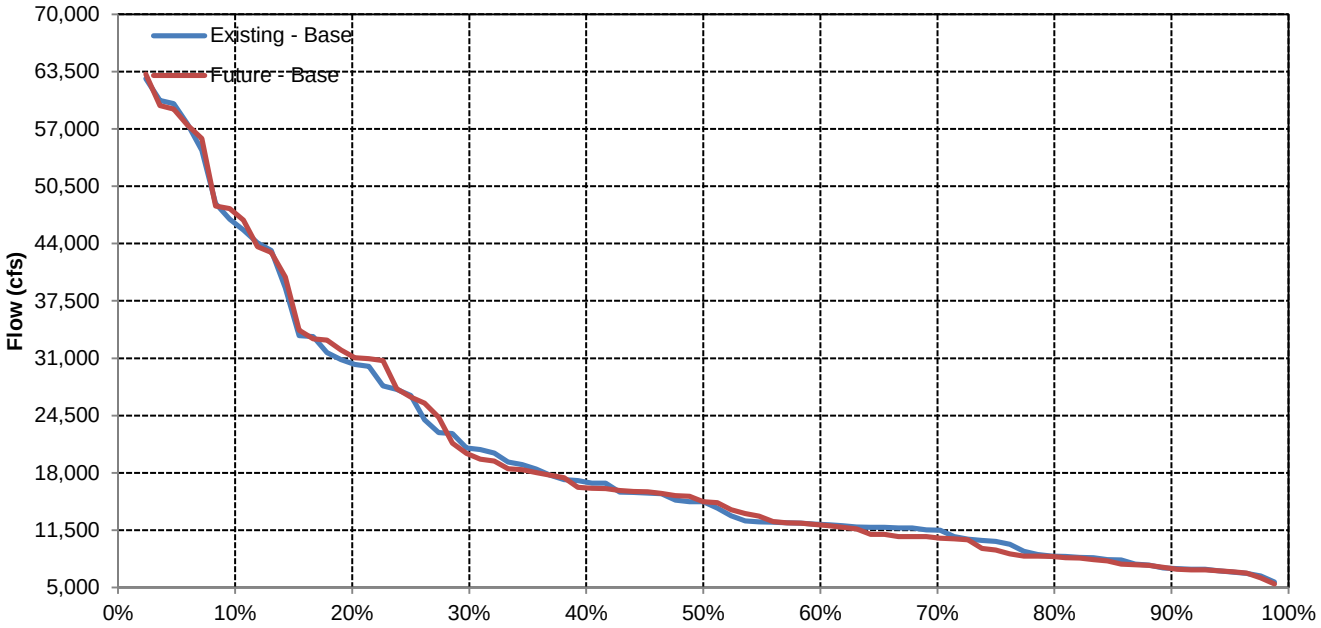
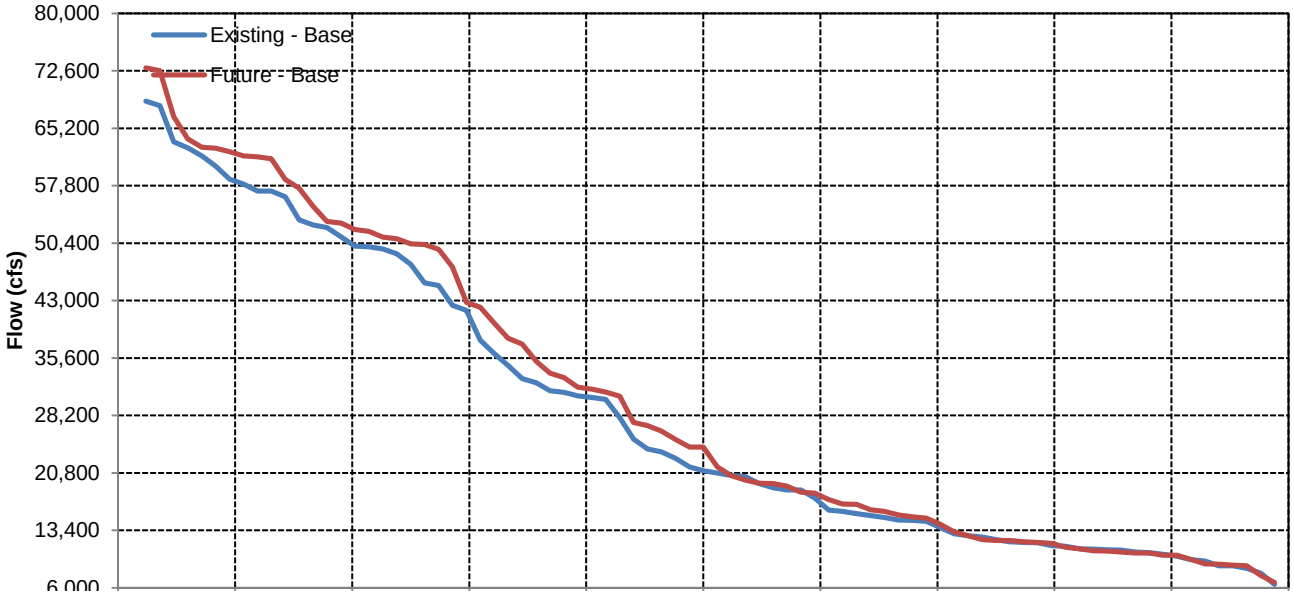


Sacramento River below Fremont Weir

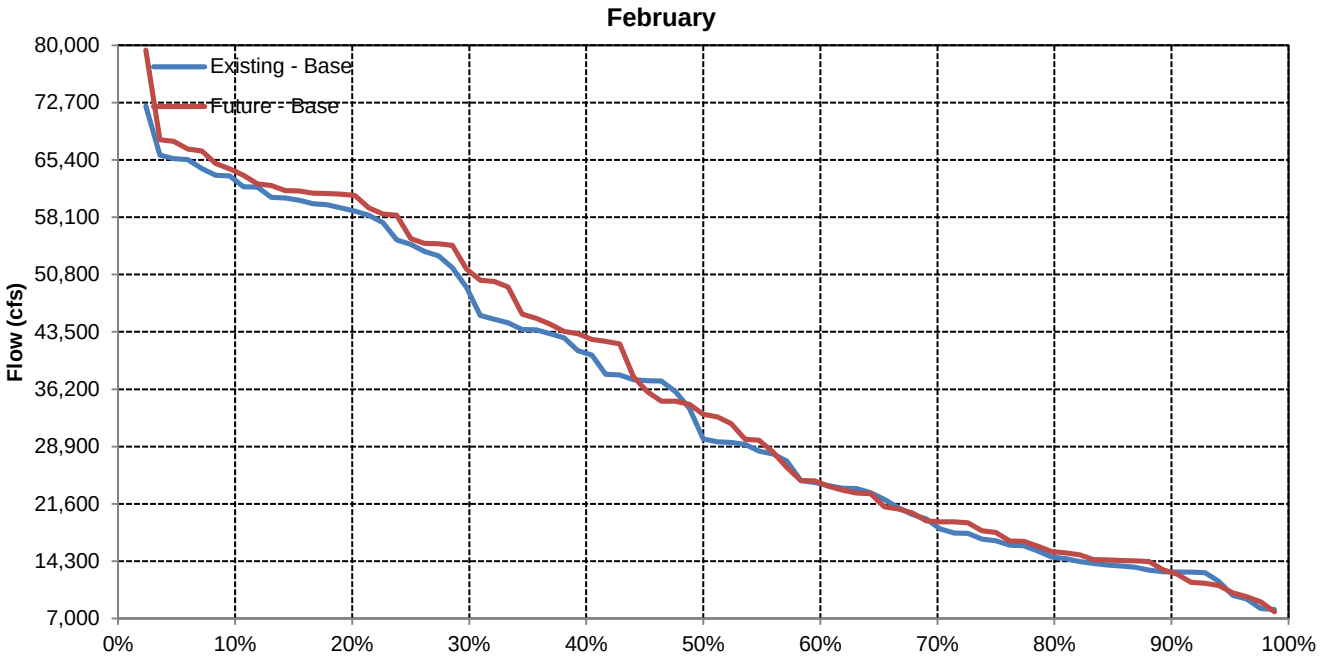
December

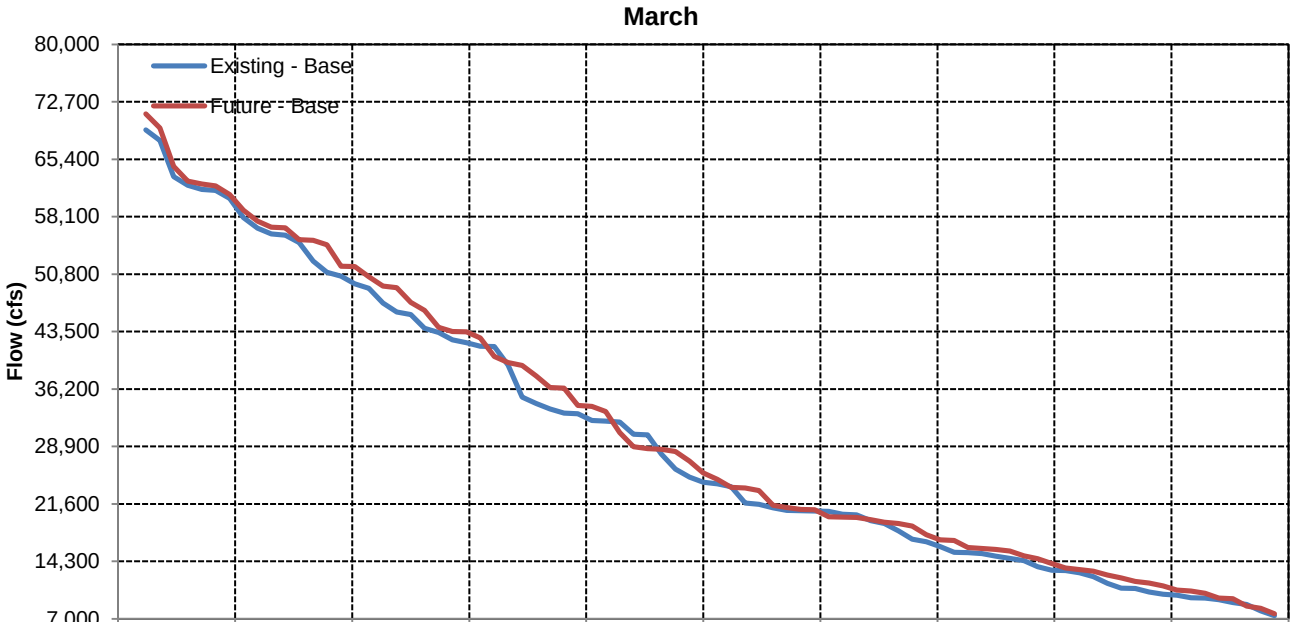


January



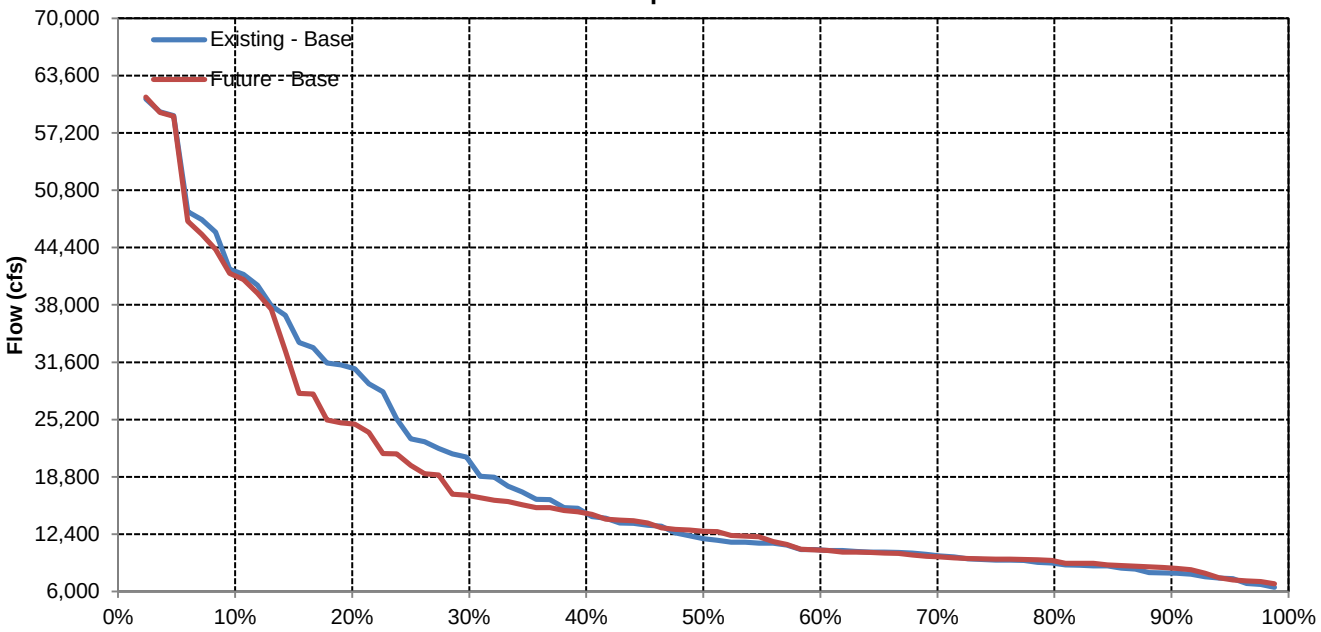
Sacramento River below Fremont Weir



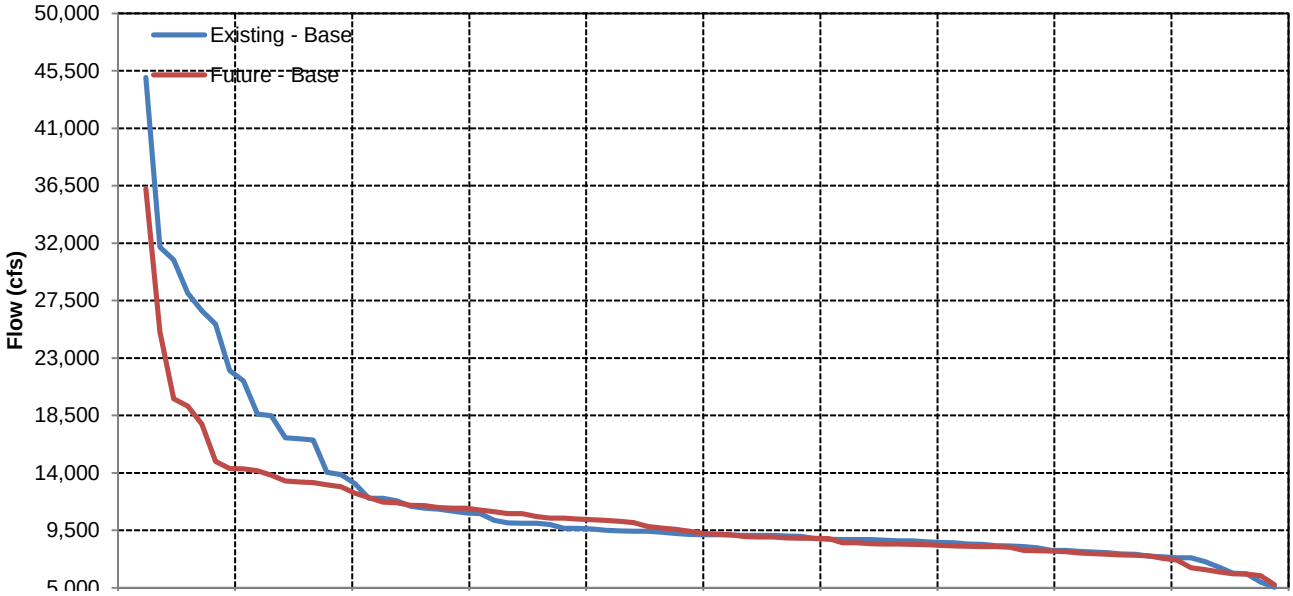


Sacramento River below Fremont Weir

April

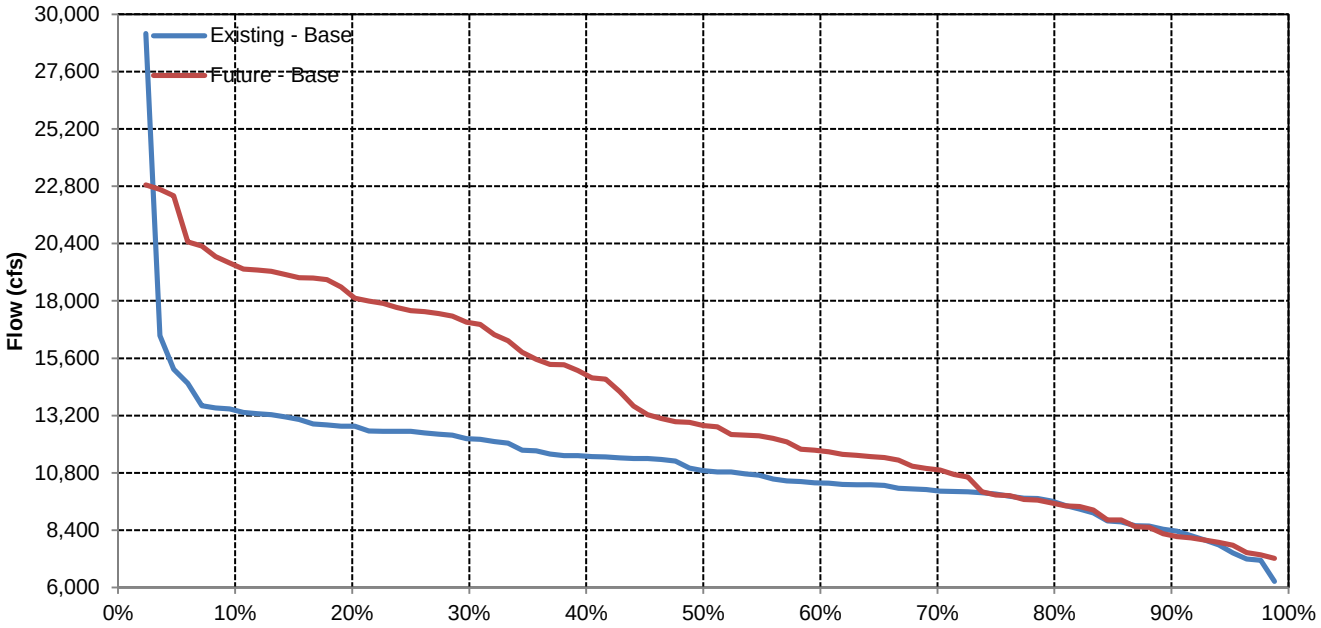


May

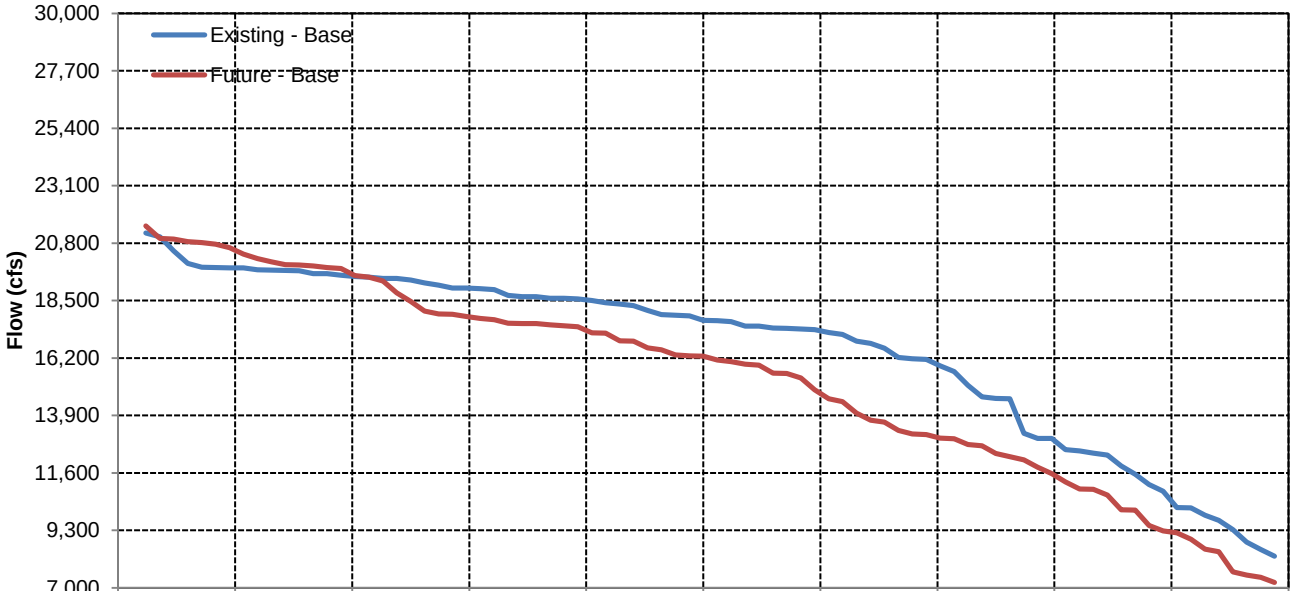


Sacramento River below Fremont Weir

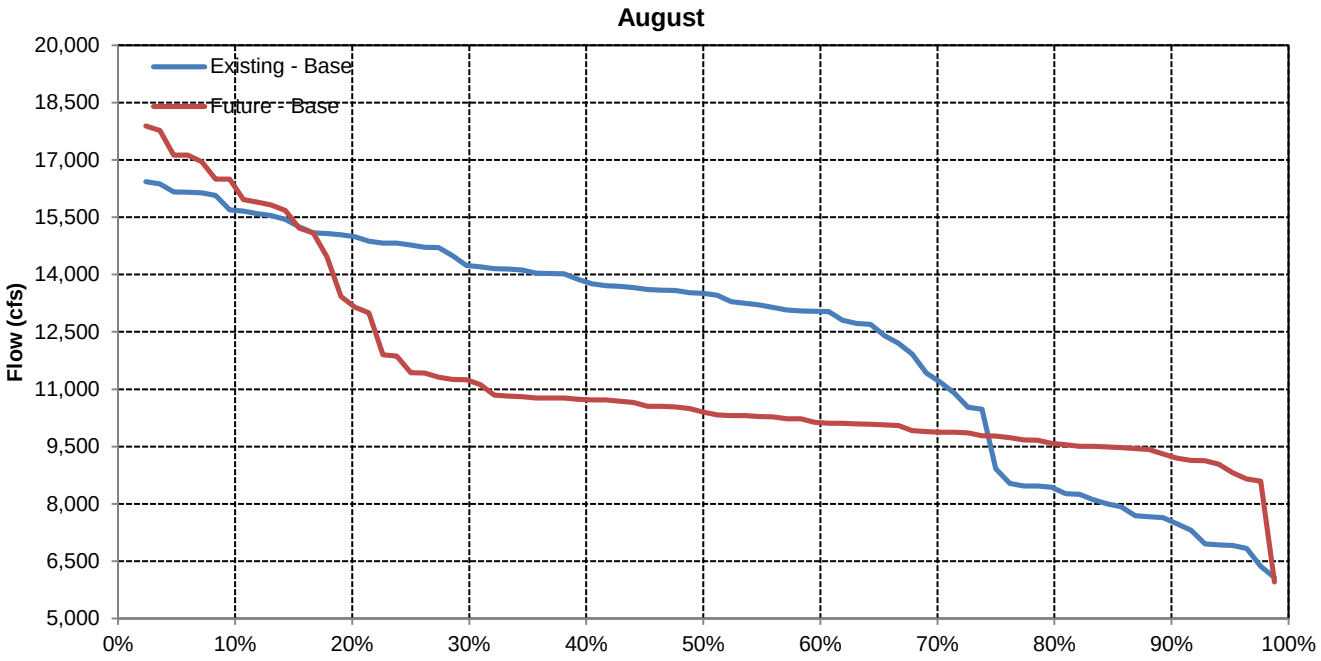
June

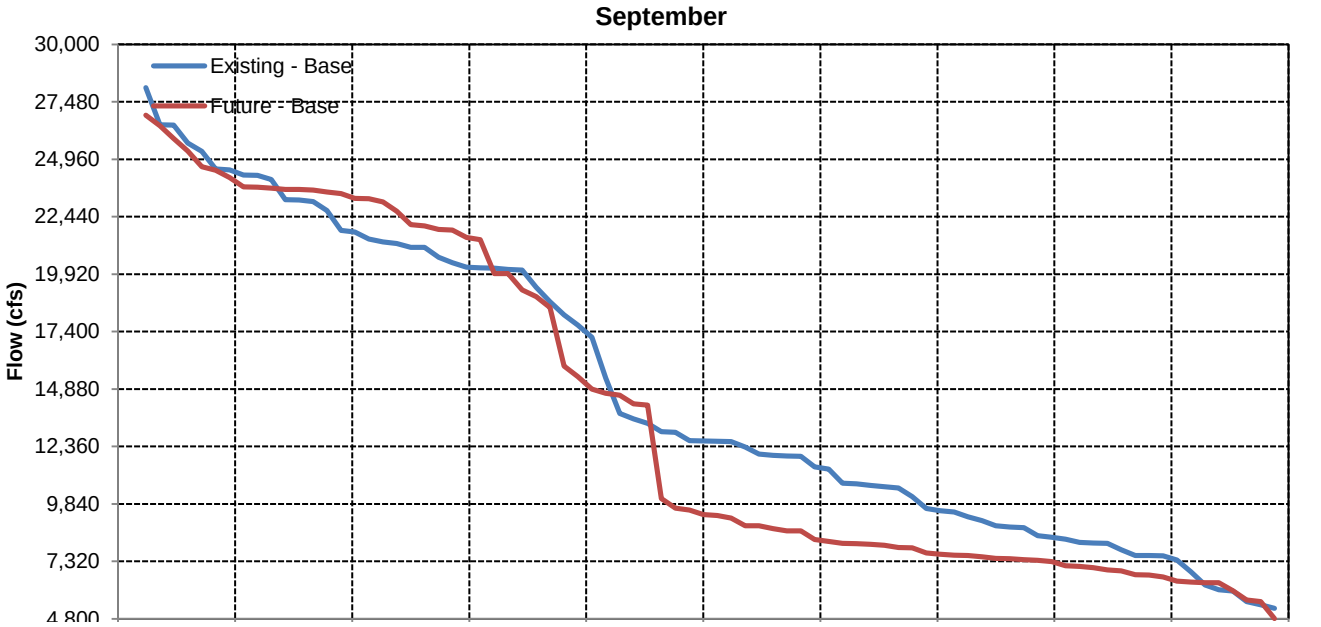


July



Sacramento River below Fremont Weir





Long-Term and Water Year-Type Average of Trinity Reservoir Under Existing - Base and Future - Base

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September
						Average Storage (TAF)						
						Long-Term						
Full Simulation Period												
Existing - Base	1,276	1,285	1,370	1,501	1,641	1,769	1,902	1,832	1,743	1,596	1,445	1,326
Future - Base	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Difference	-165	-164	-138	-98	-66	-57	-76	-131	-161	-175	-174	-167
Percent Difference	-13%	-13%	-10%	-6%	-4%	-3%	-4%	-7%	-9%	-11%	-12%	-13%
						Water Year-Types						
Wet												
Existing - Base	1,352	1,401	1,574	1,777	1,943	2,063	2,232	2,168	2,045	1,906	1,771	1,629
Future - Base	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Difference	-168	-175	-137	-80	-37	-26	-42	-104	-142	-156	-167	-174
Percent Difference	-12%	-12%	-9%	-5%	-2%	-1%	-2%	-5%	-7%	-8%	-9%	-11%
Above Normal												
Existing - Base	1,354	1,330	1,434	1,642	1,822	1,999	2,154	2,062	1,975	1,816	1,661	1,520
Future - Base	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Difference	-170	-169	-161	-83	-10	-11	-12	-80	-104	-112	-103	-94
Percent Difference	-13%	-13%	-11%	-5%	-1%	-1%	-1%	-4%	-5%	-6%	-6%	-6%
Below Normal												
Existing - Base	1,248	1,259	1,287	1,409	1,560	1,708	1,857	1,790	1,716	1,581	1,414	1,315
Future - Base	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Difference	-100	-112	-66	-18	-22	-13	-29	-81	-106	-139	-131	-129
Percent Difference	-8%	-9%	-5%	-1%	-1%	-1%	-2%	-5%	-6%	-9%	-9%	-10%
Dry												
Existing - Base	1,303	1,288	1,329	1,373	1,484	1,619	1,724	1,640	1,555	1,384	1,220	1,110
Future - Base	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Difference	-209	-190	-178	-151	-108	-90	-110	-164	-194	-206	-214	-195
Percent Difference	-16%	-15%	-13%	-11%	-7%	-6%	-6%	-10%	-12%	-15%	-18%	-18%
Critical												
Existing - Base	1,041	1,030	1,052	1,087	1,153	1,212	1,267	1,214	1,174	1,038	895	807
Future - Base	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656
Difference	-166	-164	-154	-145	-142	-135	-165	-192	-213	-204	-181	-151
Percent Difference	-16%	-16%	-15%	-13%	-12%	-11%	-13%	-16%	-18%	-20%	-20%	-19%

Trinity Reservoir

Existing - Base

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	1,679	1,669	1,832	1,900	2,000	2,100	2,300	2,280	2,180	2,036	1,883	1,739
20%	1,561	1,564	1,651	1,871	2,000	2,100	2,253	2,180	2,061	1,899	1,757	1,620
30%	1,475	1,490	1,571	1,797	1,985	2,093	2,209	2,094	1,982	1,813	1,666	1,533
40%	1,391	1,375	1,503	1,663	1,844	2,014	2,151	2,039	1,892	1,736	1,573	1,442
50%	1,297	1,306	1,436	1,564	1,727	1,841	1,969	1,849	1,751	1,626	1,458	1,332
60%	1,211	1,218	1,325	1,409	1,575	1,748	1,859	1,779	1,680	1,531	1,369	1,247
70%	1,117	1,167	1,222	1,291	1,433	1,586	1,698	1,651	1,591	1,445	1,284	1,148
80%	969	979	1,041	1,144	1,328	1,452	1,593	1,574	1,453	1,293	1,119	1,009
90%	814	826	864	996	1,078	1,182	1,234	1,184	1,172	1,067	940	858
Long Term												
Full Simulation Period	1,276	1,285	1,370	1,501	1,641	1,769	1,902	1,832	1,743	1,596	1,445	1,326
Water Year Types												
Wet	1,352	1,401	1,574	1,777	1,943	2,063	2,232	2,168	2,045	1,906	1,771	1,629
Above Normal	1,354	1,330	1,434	1,642	1,822	1,999	2,154	2,062	1,975	1,816	1,661	1,520
Below Normal	1,248	1,259	1,287	1,409	1,560	1,708	1,857	1,790	1,716	1,581	1,414	1,315
Dry	1,303	1,288	1,329	1,373	1,484	1,619	1,724	1,640	1,555	1,384	1,220	1,110
Critical	1,041	1,030	1,052	1,087	1,153	1,212	1,267	1,214	1,174	1,038	895	807

Future - Base

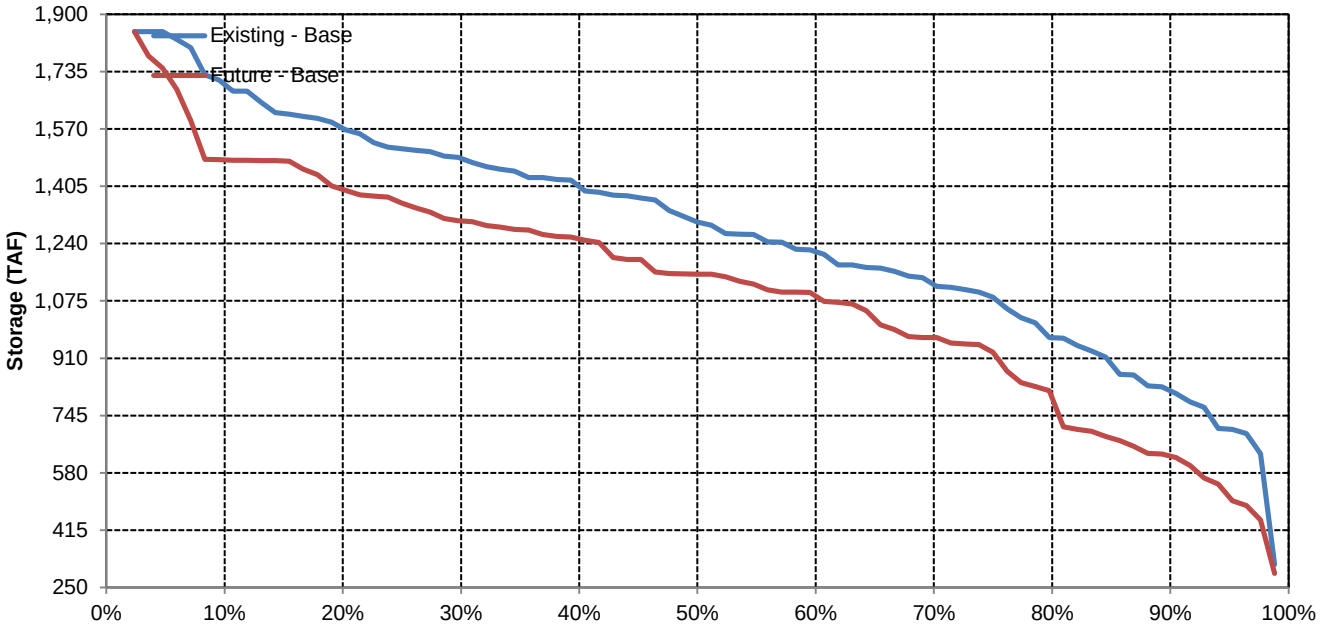
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	1,479	1,484	1,672	1,900	2,000	2,100	2,298	2,170	1,995	1,863	1,717	1,564
20%	1,385	1,408	1,506	1,818	2,000	2,100	2,233	2,088	1,943	1,791	1,642	1,492
30%	1,303	1,305	1,445	1,638	1,926	2,068	2,167	2,006	1,865	1,697	1,520	1,382
40%	1,248	1,223	1,368	1,593	1,752	1,981	2,113	1,903	1,752	1,562	1,407	1,270
50%	1,152	1,181	1,273	1,421	1,599	1,771	1,933	1,771	1,616	1,443	1,289	1,178
60%	1,079	1,102	1,198	1,304	1,496	1,662	1,745	1,636	1,564	1,378	1,236	1,106
70%	968	957	1,102	1,205	1,371	1,486	1,591	1,531	1,412	1,229	1,083	1,000
80%	775	791	913	1,023	1,256	1,390	1,496	1,376	1,279	1,090	931	846
90%	627	632	678	825	933	1,013	1,056	1,036	957	837	680	625
Long Term												
Full Simulation Period	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Water Year Types												
Wet	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Above Normal	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Below Normal	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Dry	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Critical	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656

Future - Base Minus Existing - Base

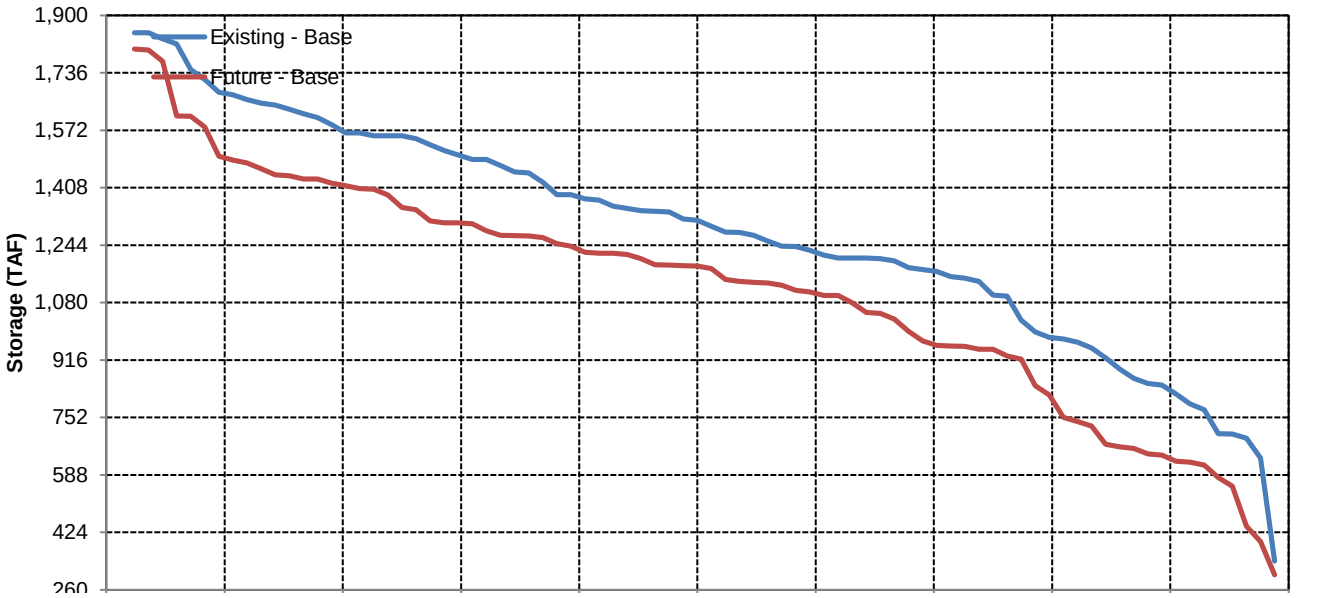
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	-199	-185	-159	0	0	0	-2	-110	-185	-173	-165	-175
20%	-175	-156	-145	-54	0	0	-21	-92	-118	-108	-115	-128
30%	-171	-185	-126	-159	-58	-26	-42	-88	-117	-116	-146	-151
40%	-143	-152	-135	-69	-92	-33	-38	-136	-140	-173	-167	-172
50%	-145	-126	-163	-143	-129	-70	-36	-78	-135	-183	-169	-154
60%	-132	-116	-127	-105	-79	-86	-114	-143	-116	-152	-133	-141
70%	-149	-210	-121	-87	-62	-100	-107	-120	-179	-216	-202	-148
80%	-194	-188	-129	-121	-73	-63	-97	-198	-174	-203	-188	-163
90%	-187	-194	-185	-171	-145	-169	-178	-147	-215	-230	-259	-233
Long Term												
Full Simulation Period	-165	-164	-138	-98	-66	-57	-76	-131	-161	-175	-174	-167
Water Year Types												
Wet	-168	-175	-137	-80	-37	-26	-42	-104	-142	-156	-167	-174
Above Normal	-170	-169	-161	-83	-10	-11	-12	-80	-104	-112	-103	-94
Below Normal	-100	-112	-66	-18	-22	-13	-29	-81	-106	-139	-131	-129
Dry	-209	-190	-178	-151	-108	-90	-110	-164	-194	-206	-214	-195
Critical	-166	-164	-154	-145	-142	-135	-165	-192	-213	-204	-181	-151

Trinity Reservoir

October

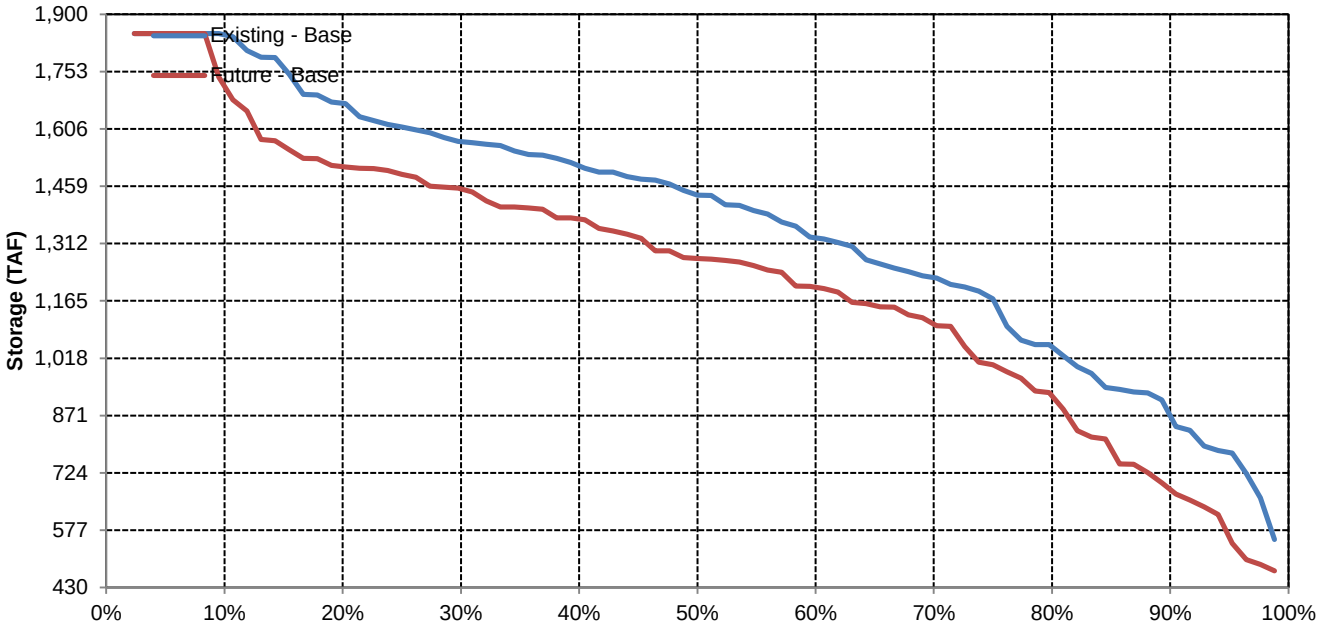


November



Trinity Reservoir

December



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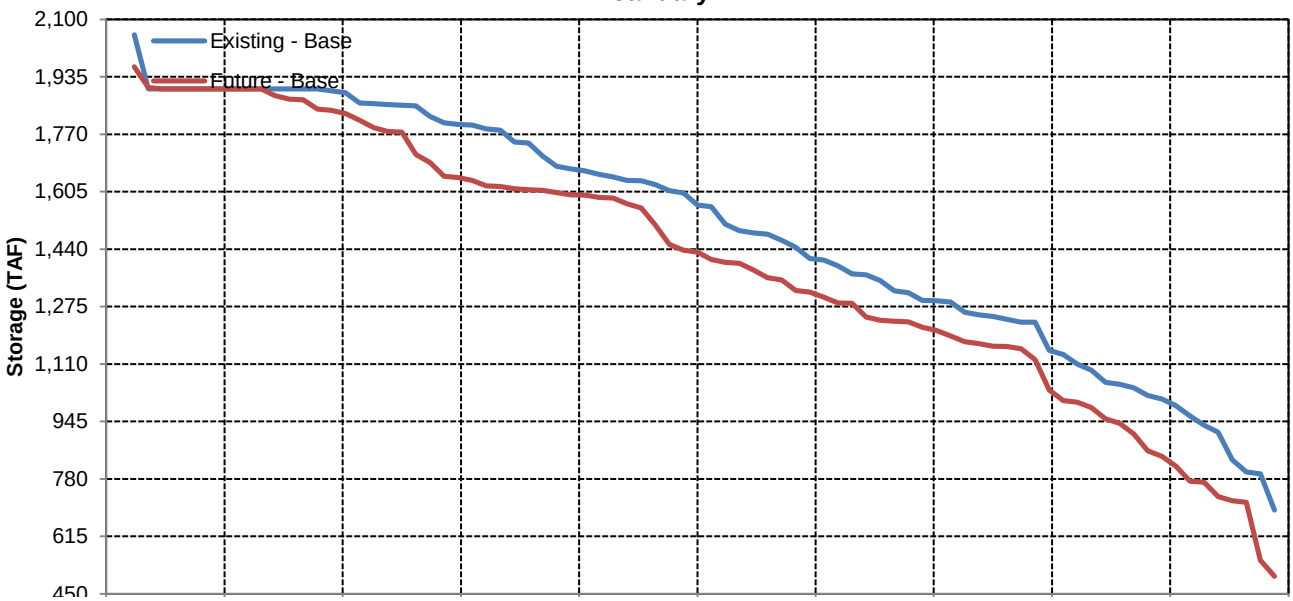
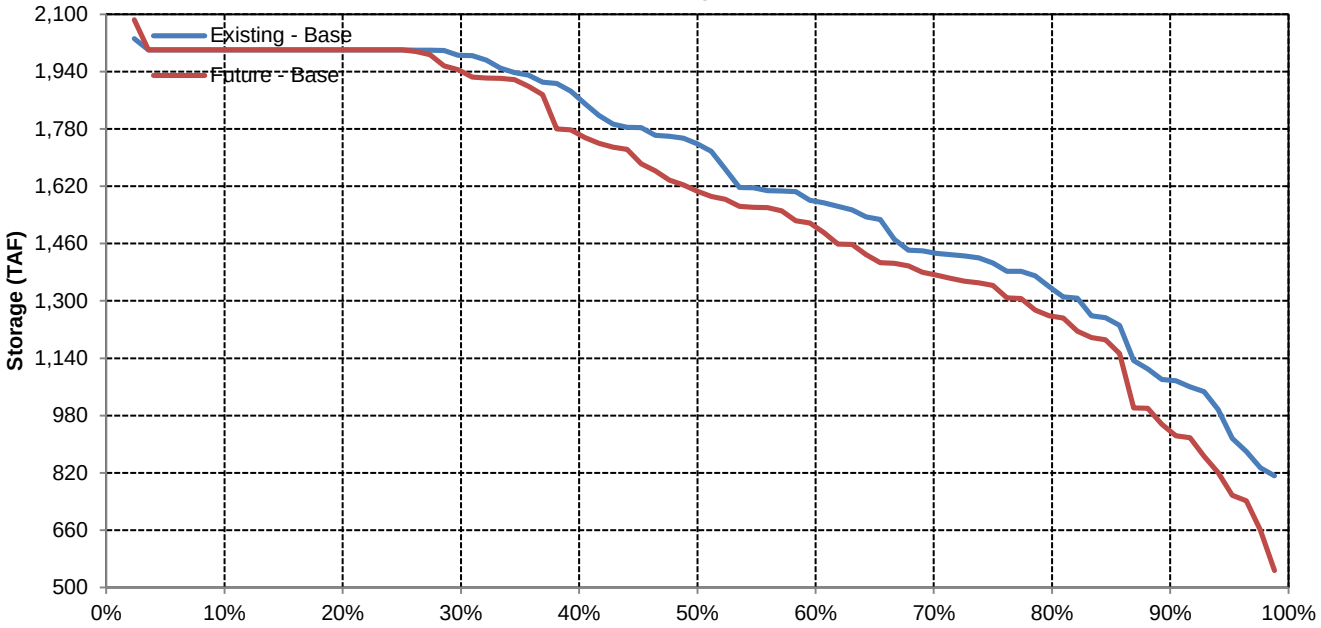


Trinity Reservoir

February



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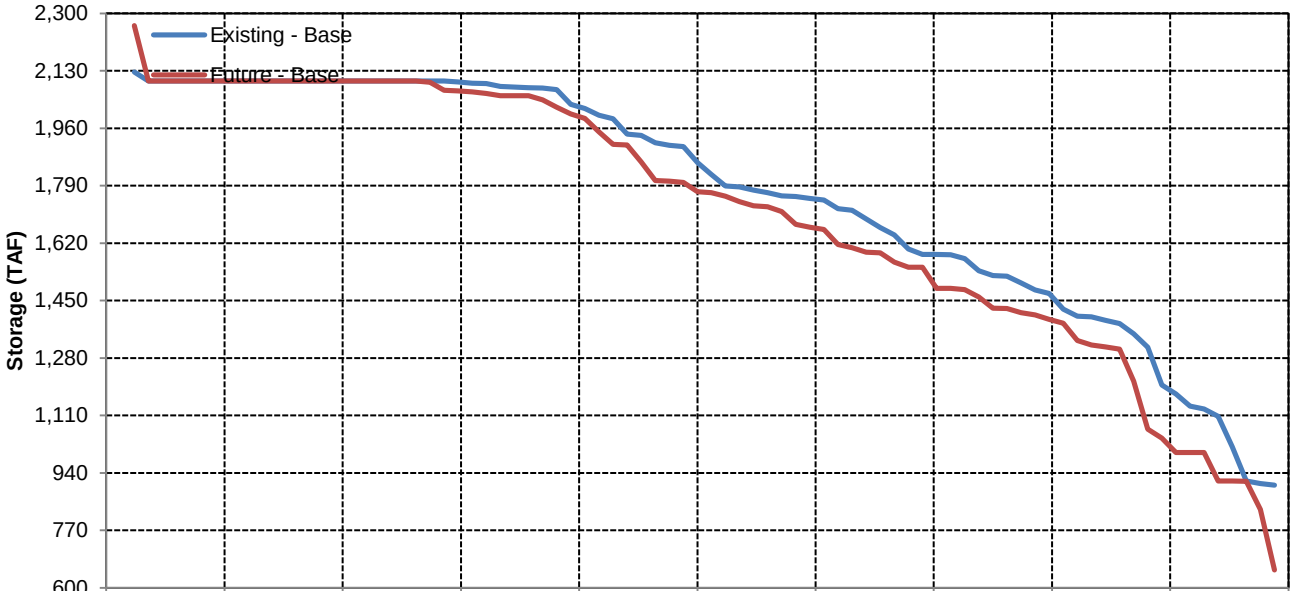
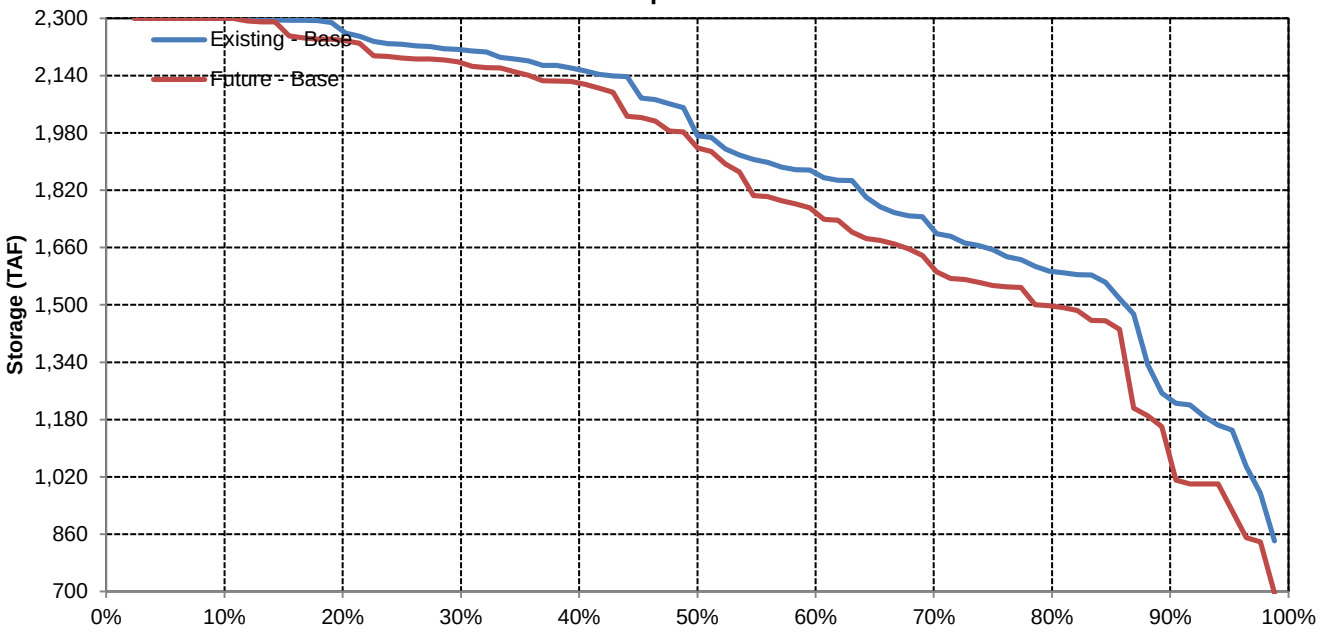


Trinity Reservoir

April



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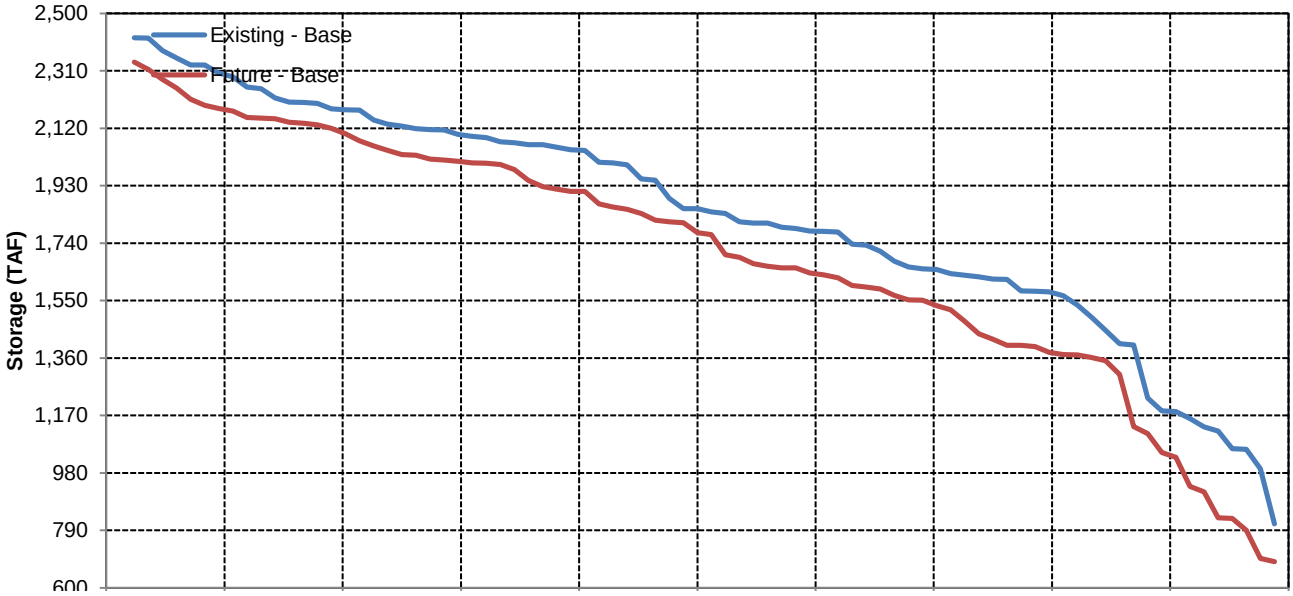
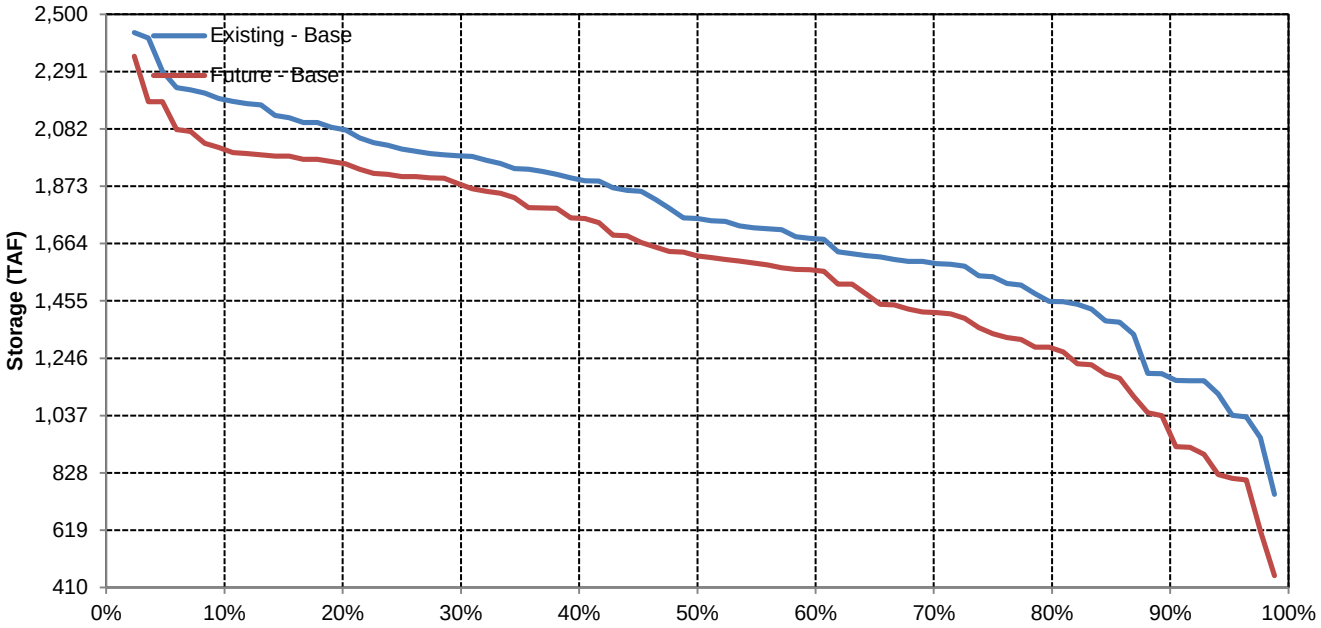


Trinity Reservoir

June



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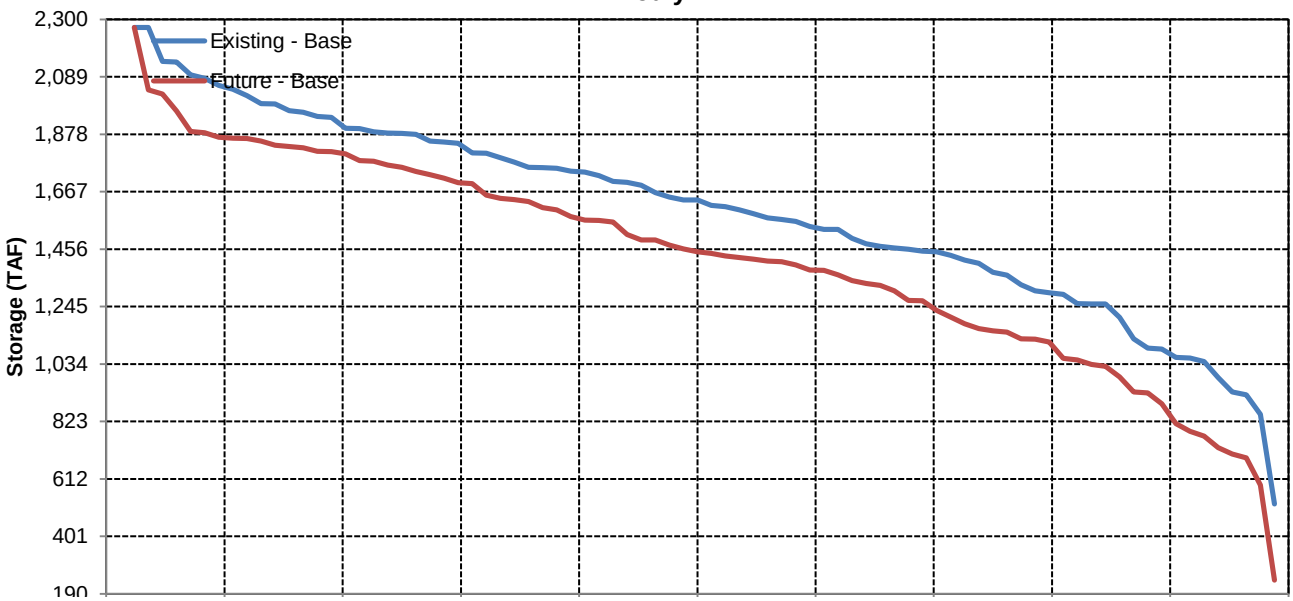
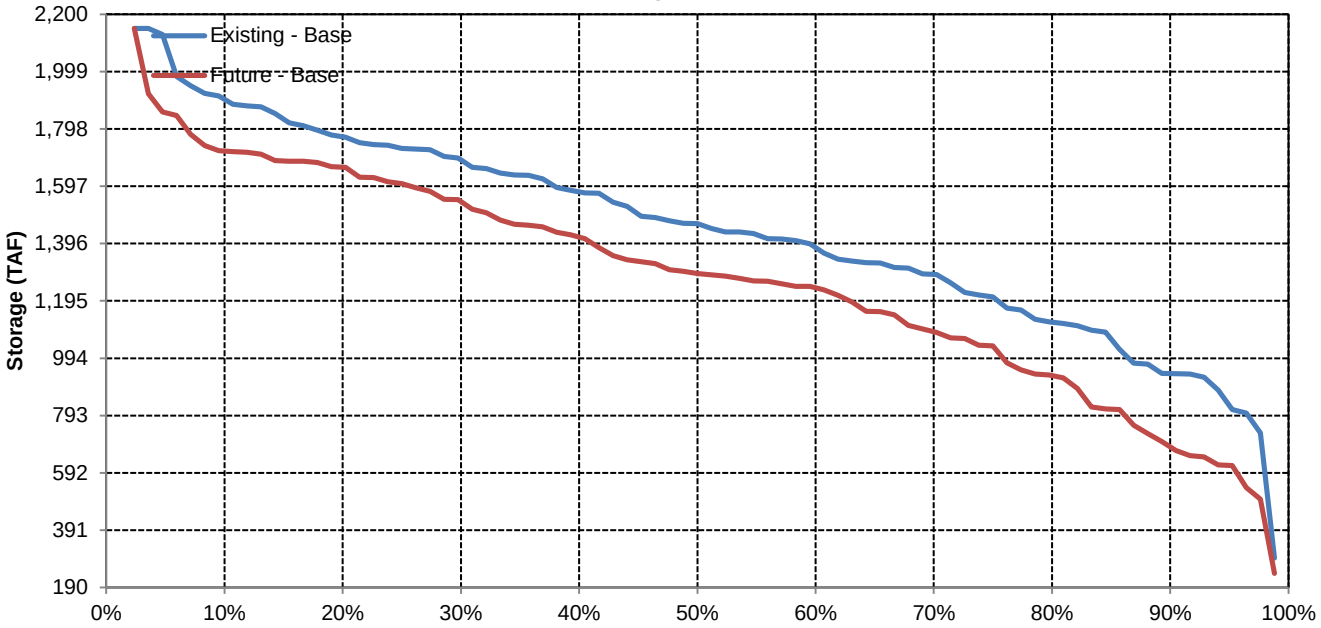
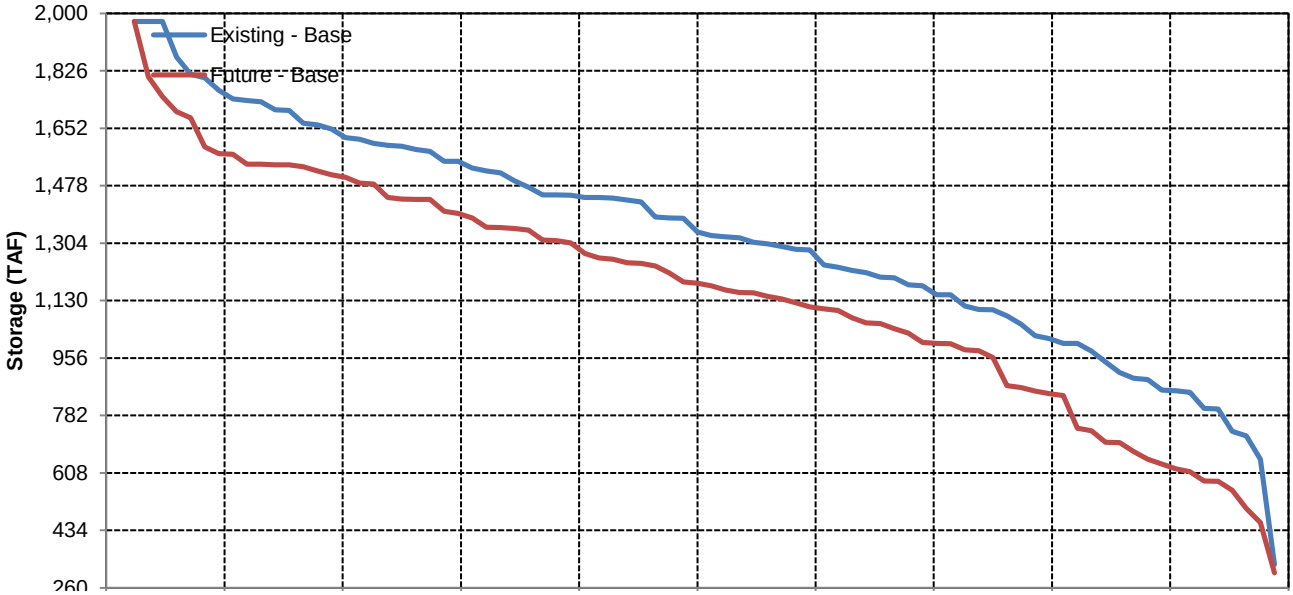


Trinity Reservoir

August



September



Long-Term and Water Year-Type Average of Shasta Reservoir Storage Under Existing - Base and Future - Base

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Existing - Base	2,487	2,504	2,755	3,076	3,374	3,757	3,995	3,956	3,567	3,020	2,727	2,556
Future - Base	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Difference	-262	-226	-169	-116	-97	-124	-170	-244	-337	-304	-268	-266
Percent Difference	-11%	-9%	-6%	-4%	-3%	-3%	-4%	-6%	-9%	-10%	-10%	-10%
						Water Year-Types						
Wet												
Existing - Base	2,613	2,702	3,100	3,440	3,579	3,865	4,280	4,388	4,084	3,560	3,256	2,842
Future - Base	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Difference	-217	-222	-111	-46	-1	-23	-52	-153	-281	-318	-261	-317
Percent Difference	-8%	-8%	-4%	-1%	0%	-1%	-1%	-3%	-7%	-9%	-8%	-11%
Above Normal												
Existing - Base	2,537	2,485	2,766	3,212	3,572	4,014	4,364	4,325	3,912	3,323	3,009	2,768
Future - Base	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Difference	-205	-87	-32	64	-34	53	16	-38	-133	-136	-78	-75
Percent Difference	-8%	-4%	-1%	2%	-1%	1%	0%	-1%	-3%	-4%	-3%	-3%
Below Normal												
Existing - Base	2,369	2,436	2,594	2,989	3,427	3,933	4,220	4,140	3,703	3,083	2,787	2,785
Future - Base	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Difference	-94	-103	-105	30	-15	-97	-147	-192	-307	-183	-112	-42
Percent Difference	-4%	-4%	-4%	1%	0%	-2%	-3%	-5%	-8%	-6%	-4%	-2%
Dry												
Existing - Base	2,489	2,449	2,648	2,874	3,288	3,732	3,800	3,677	3,263	2,775	2,491	2,466
Future - Base	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Difference	-386	-280	-231	-214	-99	-139	-182	-274	-364	-325	-308	-261
Percent Difference	-15%	-11%	-9%	-7%	-3%	-4%	-5%	-7%	-11%	-12%	-12%	-11%
Critical												
Existing - Base	2,338	2,278	2,396	2,576	2,786	3,059	2,976	2,802	2,354	1,832	1,572	1,547
Future - Base	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067
Difference	-432	-427	-431	-405	-401	-428	-457	-492	-500	-438	-477	-480
Percent Difference	-18%	-19%	-18%	-16%	-14%	-14%	-15%	-18%	-21%	-24%	-30%	-31%

Shasta Reservoir Storage

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,244	3,235	3,326	3,635	3,894	4,241	4,535	4,552	4,292	3,804	3,449	3,173
20%	2,935	2,986	3,288	3,529	3,740	4,119	4,455	4,528	4,151	3,585	3,339	3,033
30%	2,796	2,765	3,252	3,373	3,662	4,036	4,356	4,434	4,067	3,445	3,153	2,831
40%	2,695	2,654	3,047	3,296	3,552	3,992	4,257	4,293	3,864	3,225	2,891	2,766
50%	2,563	2,574	2,797	3,246	3,471	3,906	4,206	4,183	3,681	3,093	2,805	2,667
60%	2,427	2,461	2,677	3,001	3,300	3,744	4,097	4,057	3,556	2,974	2,699	2,490
70%	2,318	2,318	2,503	2,902	3,251	3,531	3,948	3,837	3,399	2,816	2,509	2,373
80%	2,161	2,218	2,368	2,685	3,077	3,387	3,457	3,270	2,912	2,497	2,253	2,259
90%	1,751	1,763	1,960	2,366	2,766	3,186	3,065	2,980	2,526	2,019	1,715	1,746
Long Term												
Full Simulation Period	2,487	2,504	2,755	3,076	3,374	3,757	3,995	3,956	3,567	3,020	2,727	2,556
Water Year Types												
Wet	2,613	2,702	3,100	3,440	3,579	3,865	4,280	4,388	4,084	3,560	3,256	2,842
Above Normal	2,537	2,485	2,766	3,212	3,572	4,014	4,364	4,325	3,912	3,323	3,009	2,768
Below Normal	2,369	2,436	2,594	2,989	3,427	3,933	4,220	4,140	3,703	3,083	2,787	2,785
Dry	2,489	2,449	2,648	2,874	3,288	3,732	3,800	3,677	3,263	2,775	2,491	2,466
Critical	2,338	2,278	2,396	2,576	2,786	3,059	2,976	2,802	2,354	1,832	1,572	1,547

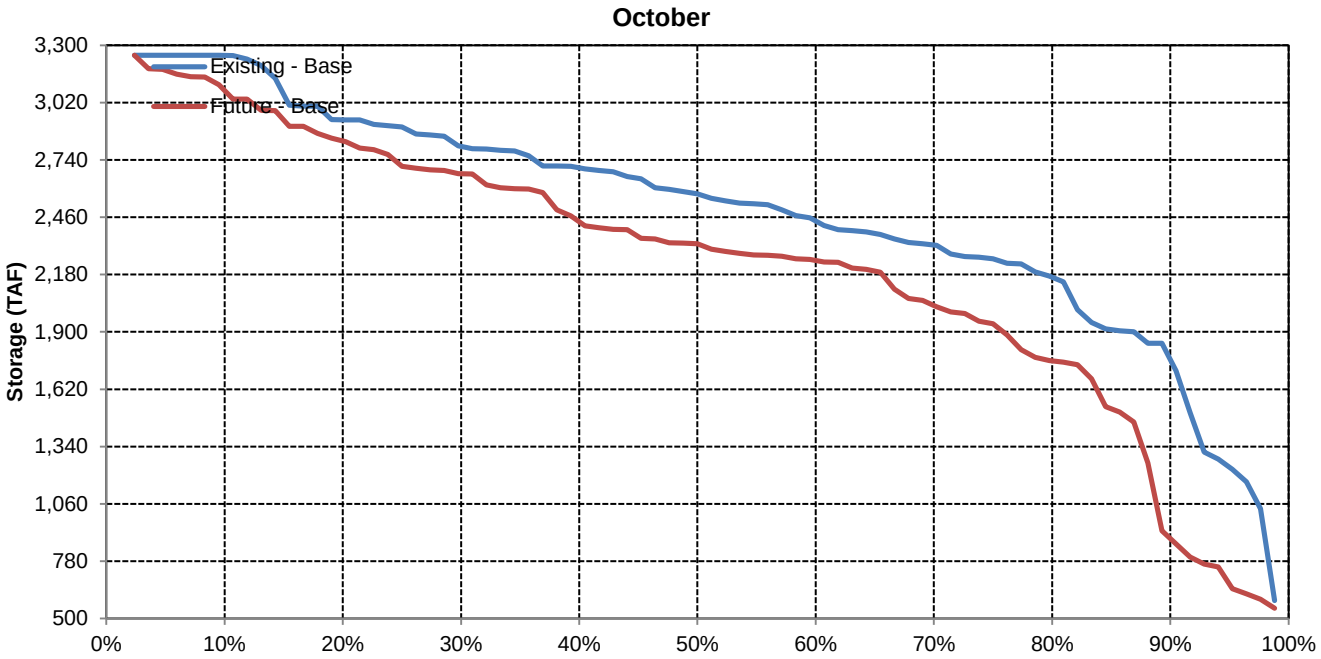
Future - Base

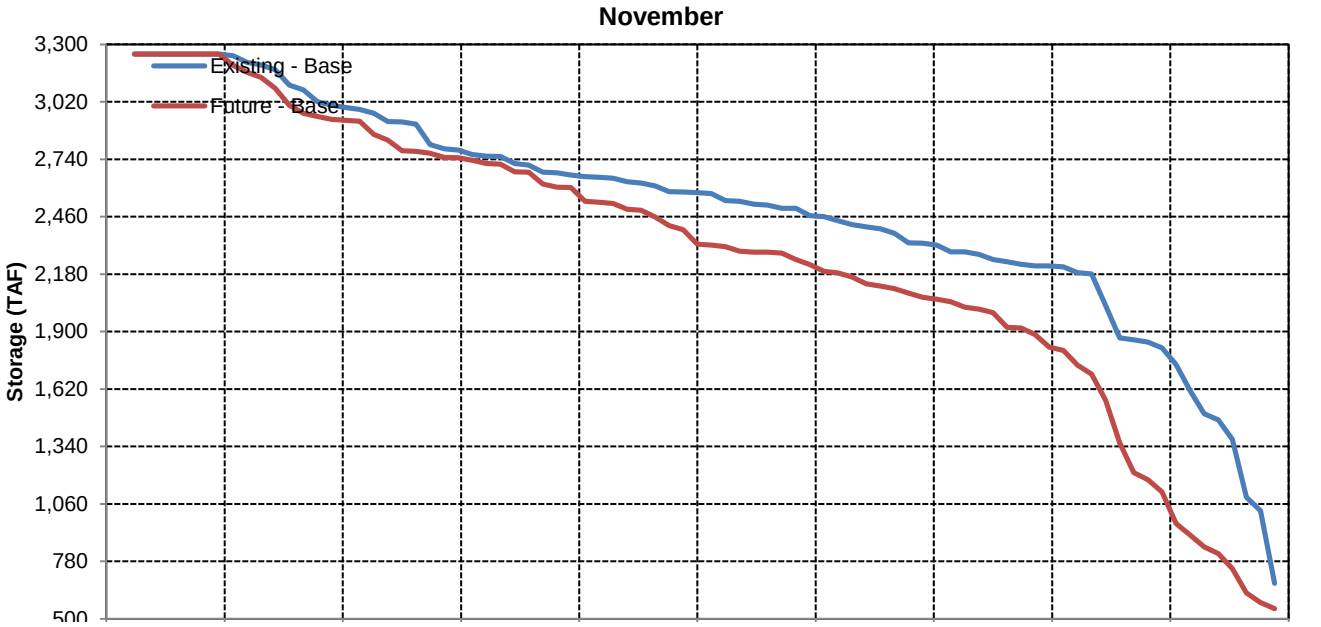
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,037	3,187	3,321	3,635	3,916	4,241	4,482	4,552	4,171	3,512	3,194	2,972
20%	2,810	2,927	3,266	3,539	3,777	4,102	4,372	4,324	3,882	3,302	3,029	2,858
30%	2,671	2,735	3,191	3,403	3,662	4,022	4,251	4,224	3,719	3,170	2,942	2,679
40%	2,416	2,533	2,985	3,335	3,537	3,963	4,176	4,142	3,568	3,039	2,823	2,536
50%	2,317	2,324	2,754	3,252	3,445	3,839	4,109	3,953	3,350	2,880	2,669	2,439
60%	2,245	2,200	2,545	2,973	3,289	3,597	4,009	3,839	3,203	2,755	2,499	2,338
70%	2,020	2,057	2,269	2,767	3,252	3,417	3,756	3,608	3,154	2,594	2,360	2,110
80%	1,757	1,817	2,045	2,429	2,913	3,266	3,216	2,997	2,618	2,141	1,806	1,824
90%	884	1,011	1,336	1,917	2,378	2,633	2,534	2,407	1,951	1,420	978	956
Long Term												
Full Simulation Period	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Water Year Types												
Wet	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Above Normal	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Below Normal	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Dry	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Critical	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067

Future - Base Minus Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-207	-48	-5	-1	22	0	-54	0	-122	-292	-254	-201
20%	-125	-59	-22	10	37	-17	-83	-204	-269	-283	-310	-175
30%	-125	-29	-61	30	0	-14	-105	-209	-347	-274	-210	-151
40%	-279	-121	-62	39	-15	-29	-81	-151	-296	-186	-69	-231
50%	-246	-251	-42	6	-26	-67	-97	-230	-331	-212	-136	-228
60%	-182	-262	-132	-28	-12	-147	-88	-218	-354	-219	-200	-152
70%	-297	-262	-234	-136	1	-114	-192	-229	-245	-221	-149	-264
80%	-404	-401	-324	-257	-164	-121	-240	-273	-294	-356	-447	-435
90%	-866	-752	-625	-448	-388	-553	-531	-573	-575	-599	-737	-790
Long Term												
Full Simulation Period	-262	-226	-169	-116	-97	-124	-170	-244	-337	-304	-268	-266
Water Year Types												
Wet	-217	-222	-111	-46	-1	-23	-52	-153	-281	-318	-261	-317
Above Normal	-205	-87	-32	64	-34	53	16	-38	-133	-136	-78	-75
Below Normal	-94	-103	-105	30	-15	-97	-147	-192	-307	-183	-112	-42
Dry	-386	-280	-231	-214	-99	-139	-182	-274	-364	-325	-308	-261
Critical	-432	-427	-431	-405	-401	-428	-457	-492	-500	-438	-477	-480

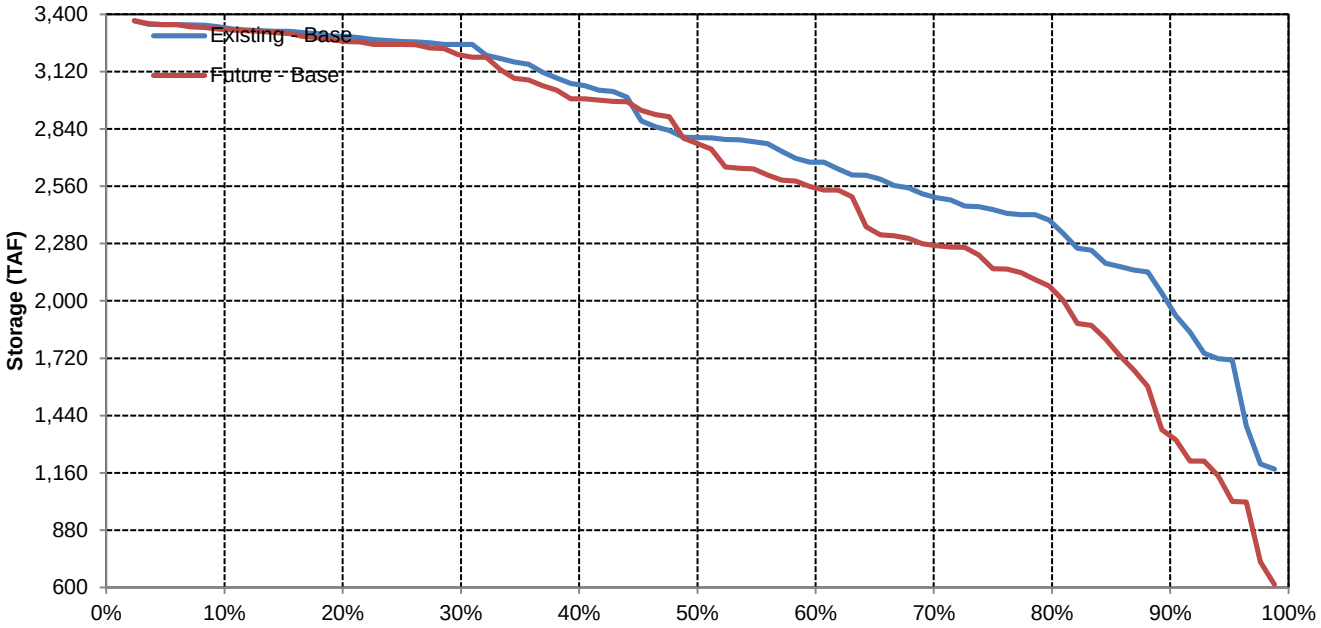
Shasta Reservoir Storage





Shasta Reservoir Storage

December



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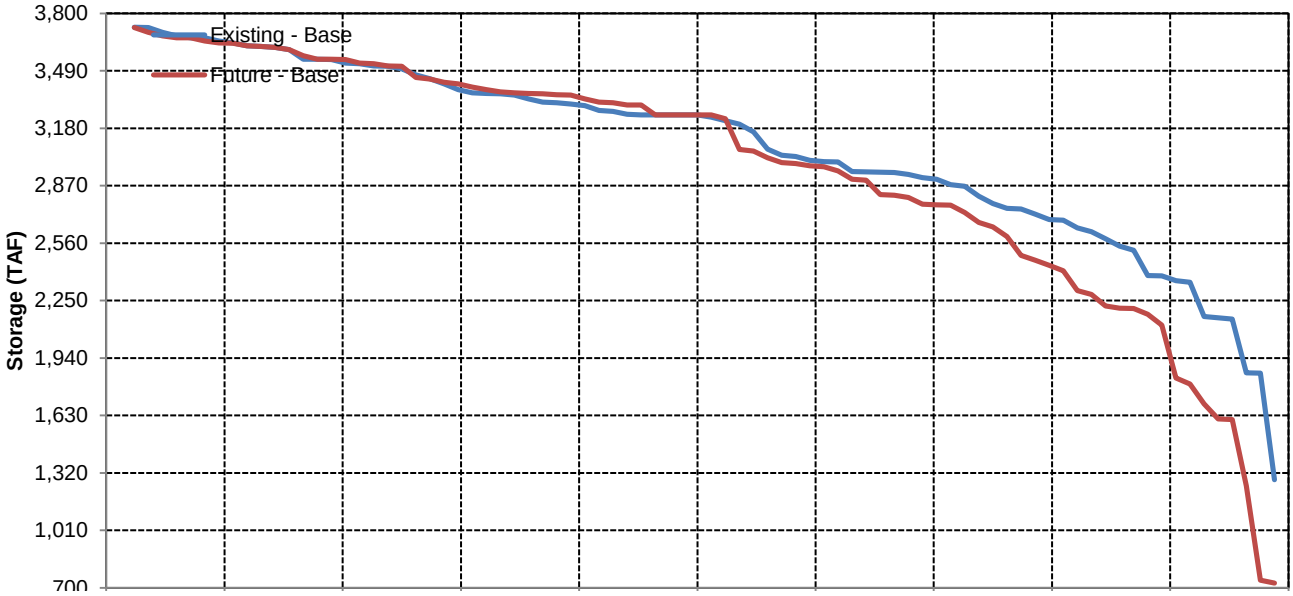
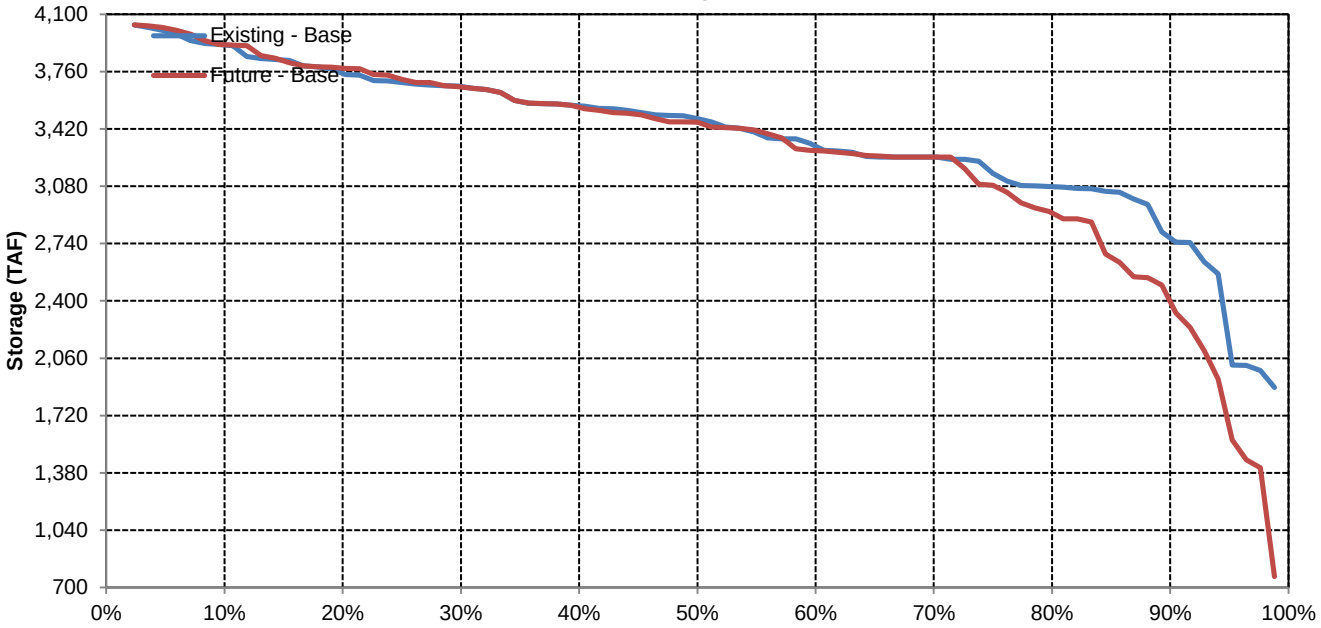


Shasta Reservoir Storage

February



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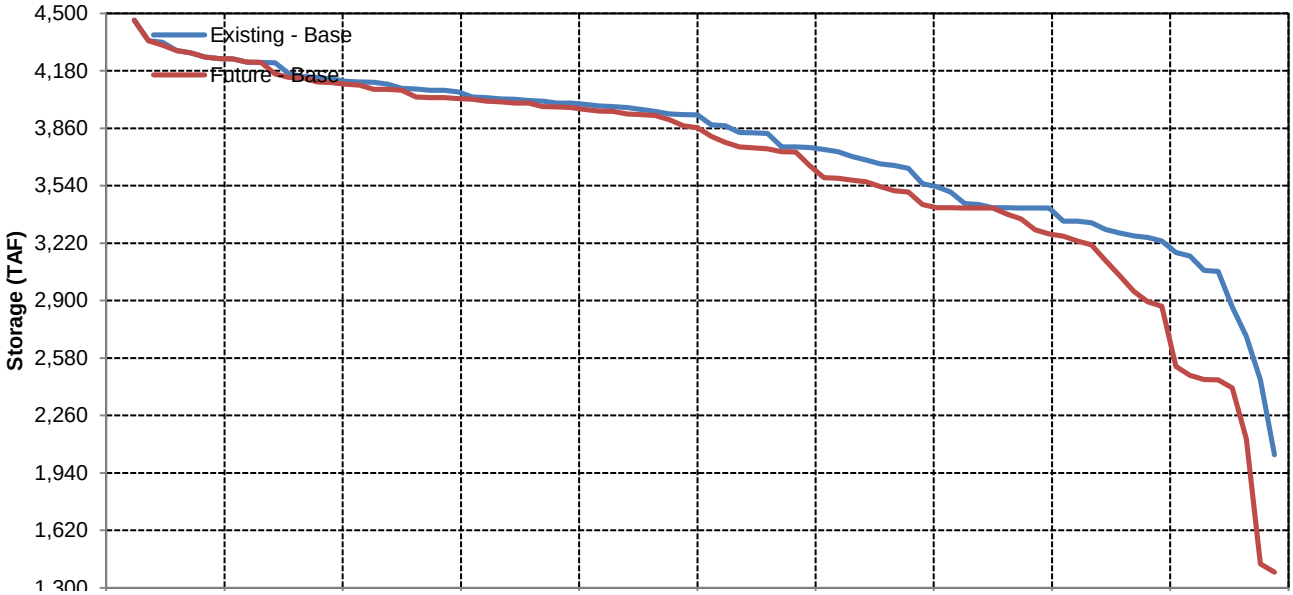
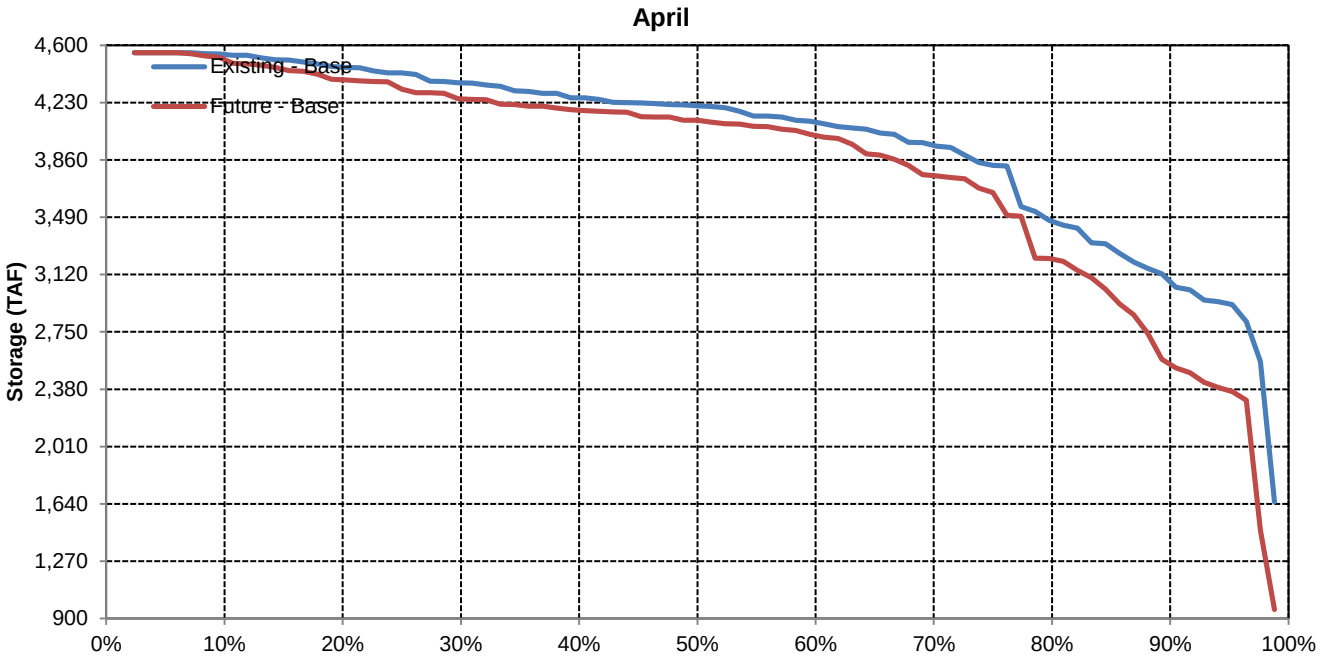
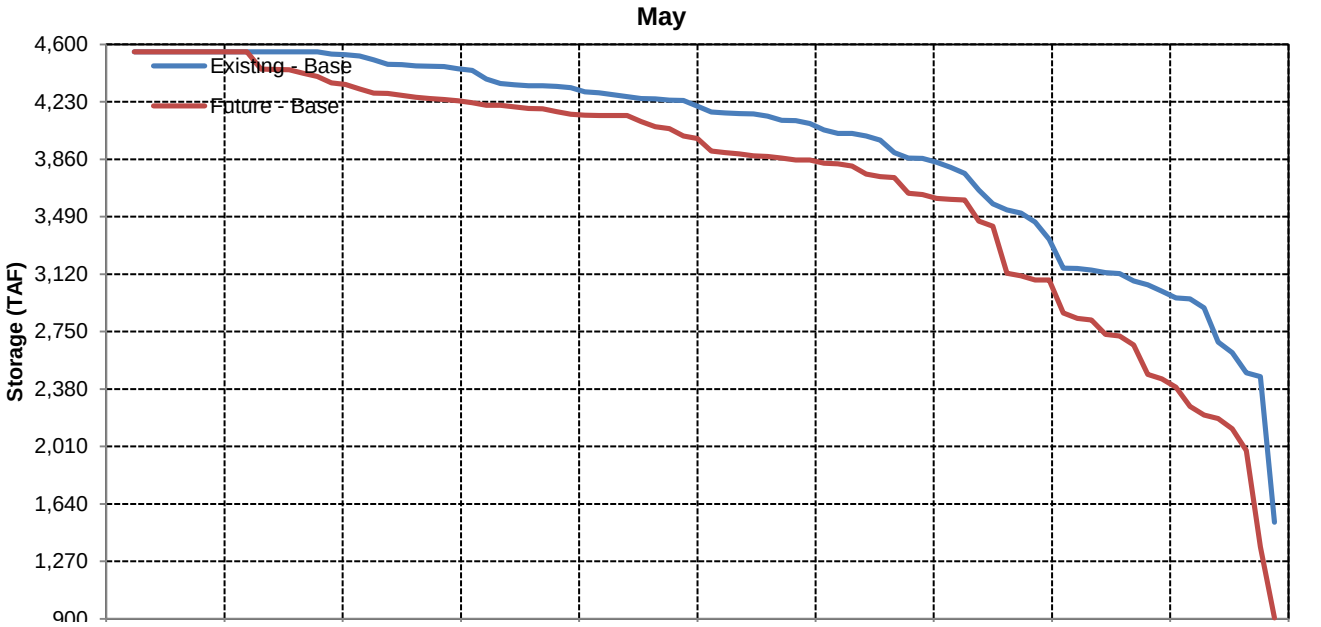


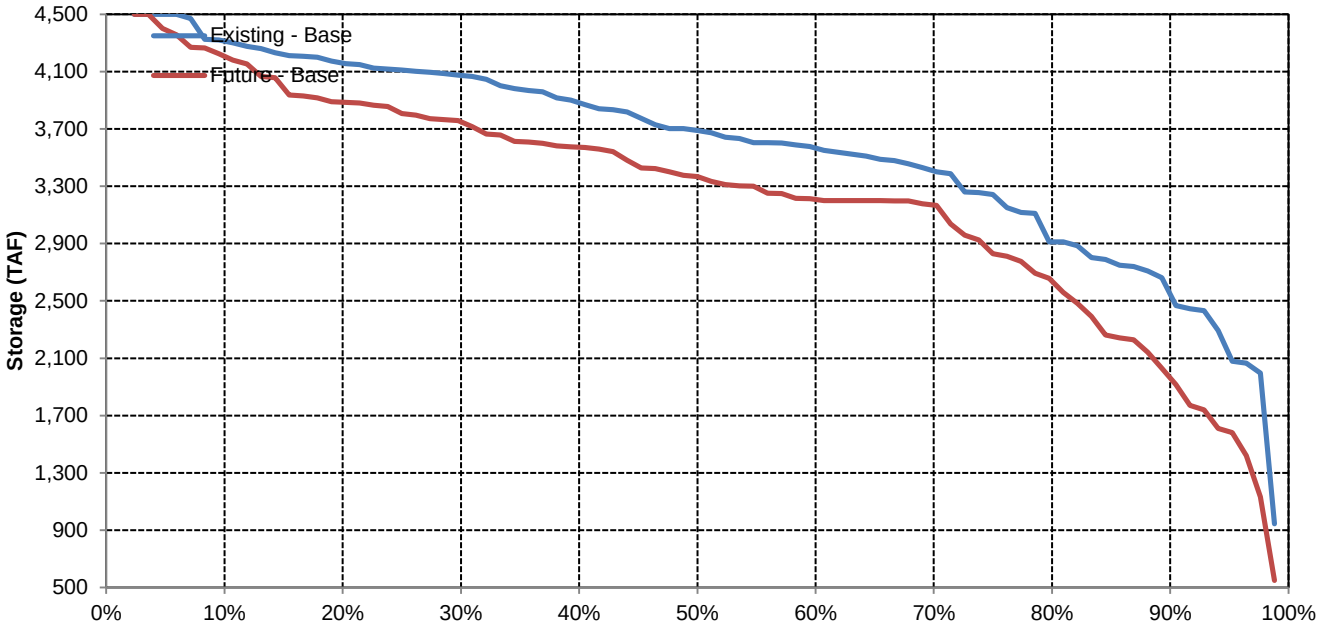
Shasta Reservoir Storage



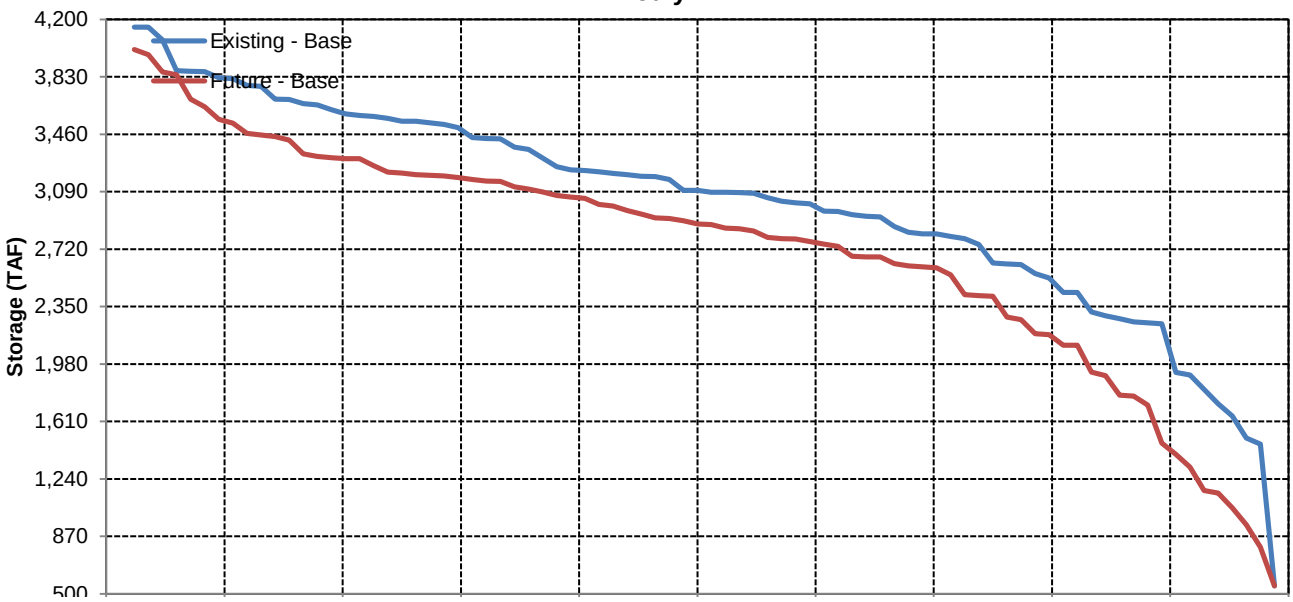


Shasta Reservoir Storage

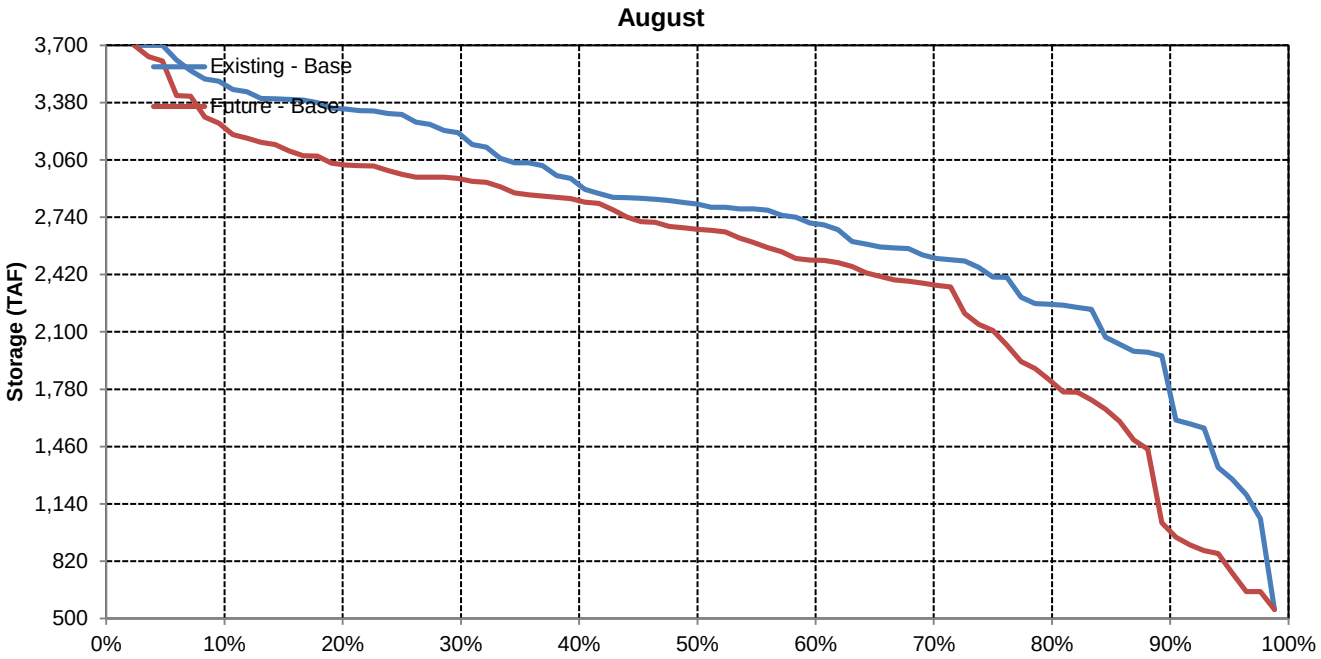
June

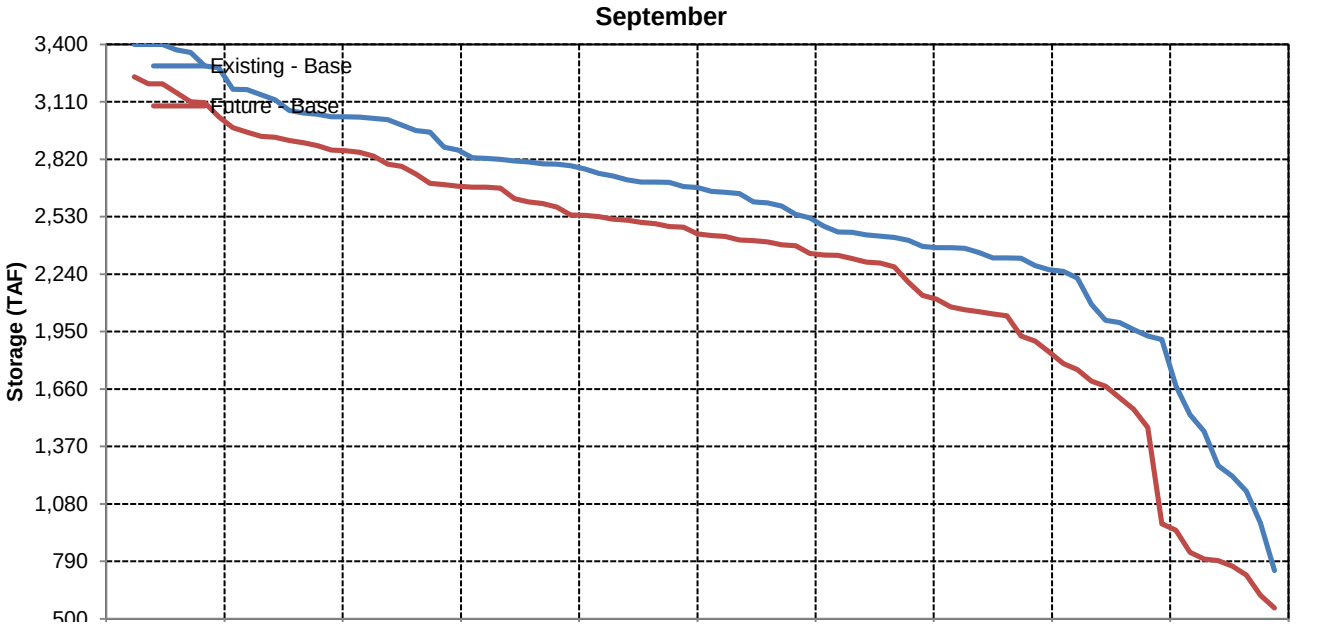


July



Shasta Reservoir Storage





Long-Term and Water Year-Type Average of Oroville Reservoir Under Existing - Base and Future - Base

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September
						Average Storage (TAF)						
						Long-Term						
Full Simulation Period												
Existing - Base	1,375	1,426	1,653	1,978	2,289	2,521	2,733	2,764	2,570	2,055	1,720	1,475
Future - Base	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Difference	-131	-141	-68	-3	6	-6	-68	-137	-249	-213	-172	-120
Percent Difference	-10%	-10%	-4%	0%	0%	0%	-2%	-5%	-10%	-10%	-10%	-8%
						Water Year-Types						
Wet												
Existing - Base	1,516	1,714	2,247	2,673	2,864	2,952	3,256	3,383	3,246	2,729	2,371	1,947
Future - Base	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Difference	-178	-218	-78	46	27	-12	-33	-126	-259	-341	-348	-314
Percent Difference	-12%	-13%	-3%	2%	1%	0%	-1%	-4%	-8%	-12%	-15%	-16%
Above Normal												
Existing - Base	1,465	1,439	1,710	2,291	2,764	2,945	3,251	3,314	3,133	2,506	2,052	1,703
Future - Base	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Difference	-18	8	-70	-22	4	17	-55	-145	-355	-332	-222	-164
Percent Difference	-1%	1%	-4%	-1%	0%	1%	-2%	-4%	-11%	-13%	-11%	-10%
Below Normal												
Existing - Base	1,400	1,431	1,460	1,738	2,132	2,519	2,765	2,772	2,519	1,889	1,450	1,333
Future - Base	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Difference	-150	-211	-112	-28	-11	44	-53	-110	-243	-144	18	64
Percent Difference	-11%	-15%	-8%	-2%	0%	2%	-2%	-4%	-10%	-8%	1%	5%
Dry												
Existing - Base	1,217	1,186	1,283	1,463	1,859	2,221	2,348	2,304	2,058	1,571	1,315	1,149
Future - Base	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Difference	-117	-74	-30	7	43	26	-64	-128	-213	-114	-108	12
Percent Difference	-10%	-6%	-2%	0%	2%	1%	-3%	-6%	-10%	-7%	-8%	1%
Critical												
Existing - Base	1,167	1,125	1,125	1,245	1,411	1,604	1,597	1,528	1,356	1,082	952	901
Future - Base	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863
Difference	-80	-88	-46	-23	0	-24	-42	-50	-50	20	-37	-37
Percent Difference	-7%	-8%	-4%	-2%	0%	-1%	-3%	-3%	-4%	2%	-4%	-4%

Oroville Reservoir

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,048	2,100	2,788	2,852	2,973	3,062	3,347	3,538	3,464	2,932	2,540	2,049
20%	1,690	1,724	2,266	2,788	2,821	2,991	3,279	3,429	3,319	2,720	2,274	1,870
30%	1,557	1,571	1,864	2,609	2,788	2,938	3,234	3,313	3,103	2,478	2,087	1,726
40%	1,418	1,455	1,626	2,184	2,788	2,817	3,162	3,202	2,948	2,271	1,793	1,522
50%	1,255	1,303	1,474	1,911	2,537	2,788	3,042	2,980	2,730	2,097	1,619	1,391
60%	1,195	1,197	1,303	1,674	2,093	2,588	2,813	2,722	2,447	1,842	1,446	1,289
70%	1,027	1,088	1,226	1,470	1,932	2,306	2,344	2,503	2,236	1,596	1,366	1,196
80%	998	1,019	1,128	1,352	1,643	2,058	2,129	2,080	1,885	1,434	1,135	1,012
90%	885	956	992	1,085	1,275	1,582	1,648	1,551	1,356	1,036	898	852
Long Term												
Full Simulation Period	1,375	1,426	1,653	1,978	2,289	2,521	2,733	2,764	2,570	2,055	1,720	1,475
Water Year Types												
Wet	1,516	1,714	2,247	2,673	2,864	2,952	3,256	3,383	3,246	2,729	2,371	1,947
Above Normal	1,465	1,439	1,710	2,291	2,764	2,945	3,251	3,314	3,133	2,506	2,052	1,703
Below Normal	1,400	1,431	1,460	1,738	2,132	2,519	2,765	2,772	2,519	1,889	1,450	1,333
Dry	1,217	1,186	1,283	1,463	1,859	2,221	2,348	2,304	2,058	1,571	1,315	1,149
Critical	1,167	1,125	1,125	1,245	1,411	1,604	1,597	1,528	1,356	1,082	952	901

Future - Base

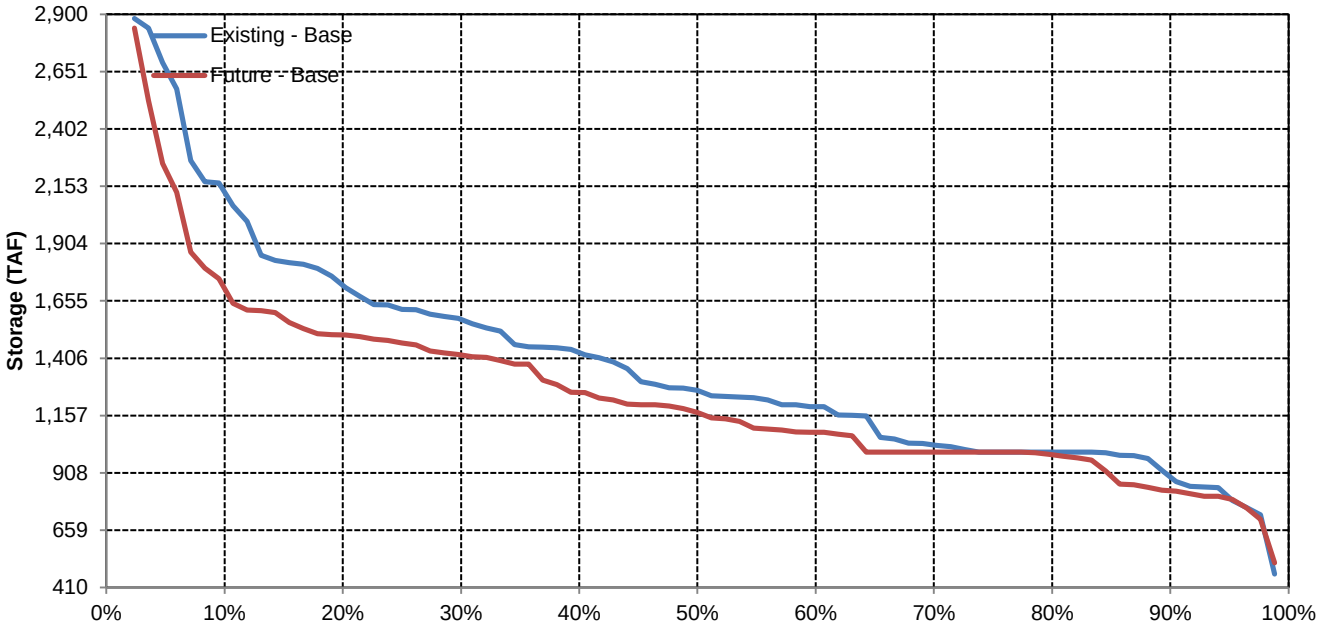
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,636	1,973	2,788	2,854	2,994	3,059	3,347	3,446	3,357	2,744	2,228	1,836
20%	1,502	1,552	2,259	2,788	2,856	2,991	3,237	3,254	3,034	2,401	2,003	1,666
30%	1,413	1,392	1,723	2,787	2,788	2,938	3,180	3,142	2,680	2,176	1,819	1,572
40%	1,252	1,284	1,473	2,185	2,788	2,833	3,081	3,034	2,528	1,958	1,679	1,439
50%	1,159	1,175	1,411	1,820	2,492	2,788	2,979	2,790	2,386	1,840	1,570	1,325
60%	1,084	1,076	1,258	1,613	2,165	2,539	2,672	2,667	2,222	1,693	1,307	1,222
70%	998	1,001	1,180	1,458	1,946	2,268	2,297	2,185	1,924	1,499	1,201	1,097
80%	985	953	1,002	1,258	1,538	1,950	2,026	1,954	1,706	1,328	1,052	995
90%	829	891	941	1,010	1,262	1,594	1,557	1,411	1,216	1,006	916	879
Long Term												
Full Simulation Period	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Water Year Types												
Wet	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Above Normal	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Below Normal	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Dry	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Critical	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863

Future - Base Minus Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-412	-127	0	2	21	-3	0	-92	-107	-188	-311	-213
20%	-187	-172	-6	0	35	0	-42	-175	-285	-319	-271	-204
30%	-144	-179	-141	178	0	0	-54	-171	-423	-302	-268	-154
40%	-167	-170	-152	1	0	16	-81	-168	-421	-313	-114	-83
50%	-95	-128	-62	-91	-46	0	-64	-190	-344	-258	-49	-67
60%	-111	-121	-45	-61	72	-49	-141	-55	-224	-149	-138	-67
70%	-29	-87	-46	-12	14	-38	-47	-318	-312	-96	-166	-99
80%	-13	-65	-126	-94	-105	-108	-104	-126	-179	-106	-83	-17
90%	-56	-65	-51	-75	-13	12	-92	-140	-140	-30	19	26
Long Term												
Full Simulation Period	-131	-141	-68	-3	6	-6	-68	-137	-249	-213	-172	-120
Water Year Types												
Wet	-178	-218	-78	46	27	-12	-33	-126	-259	-341	-348	-314
Above Normal	-18	8	-70	-22	4	17	-55	-145	-355	-332	-222	-164
Below Normal	-150	-211	-112	-28	-11	44	-53	-110	-243	-144	18	64
Dry	-117	-74	-30	7	43	26	-64	-128	-213	-114	-108	12
Critical	-80	-88	-46	-23	0	-24	-42	-50	-50	20	-37	-37

Oroville Reservoir

October



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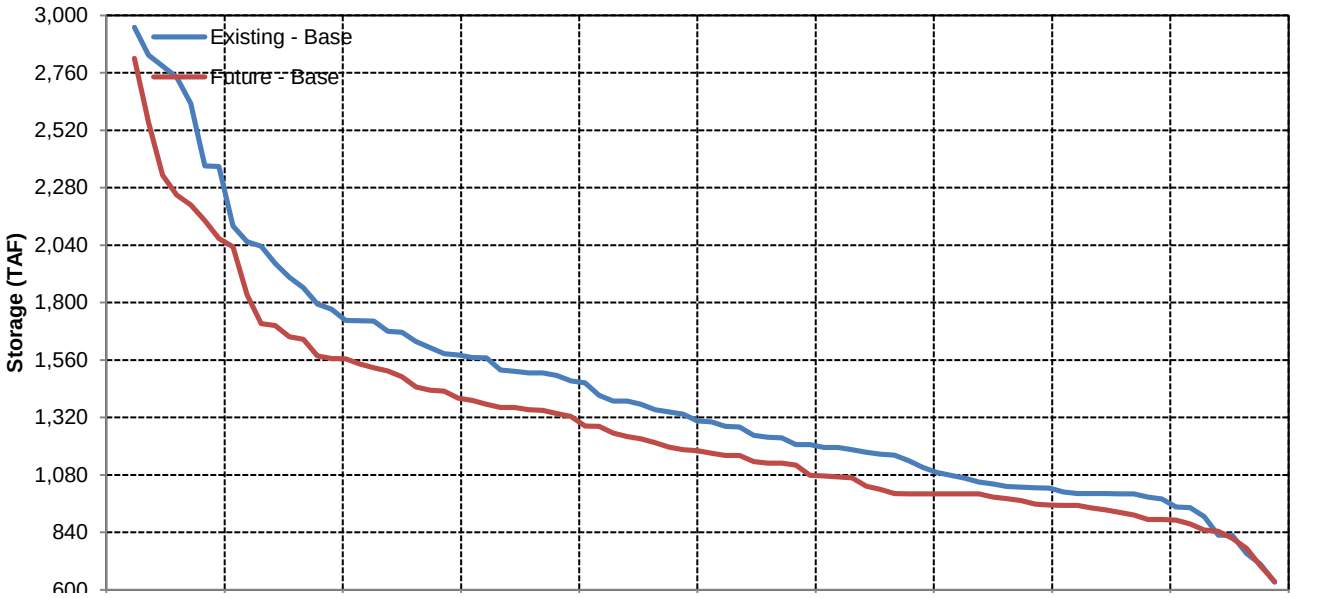
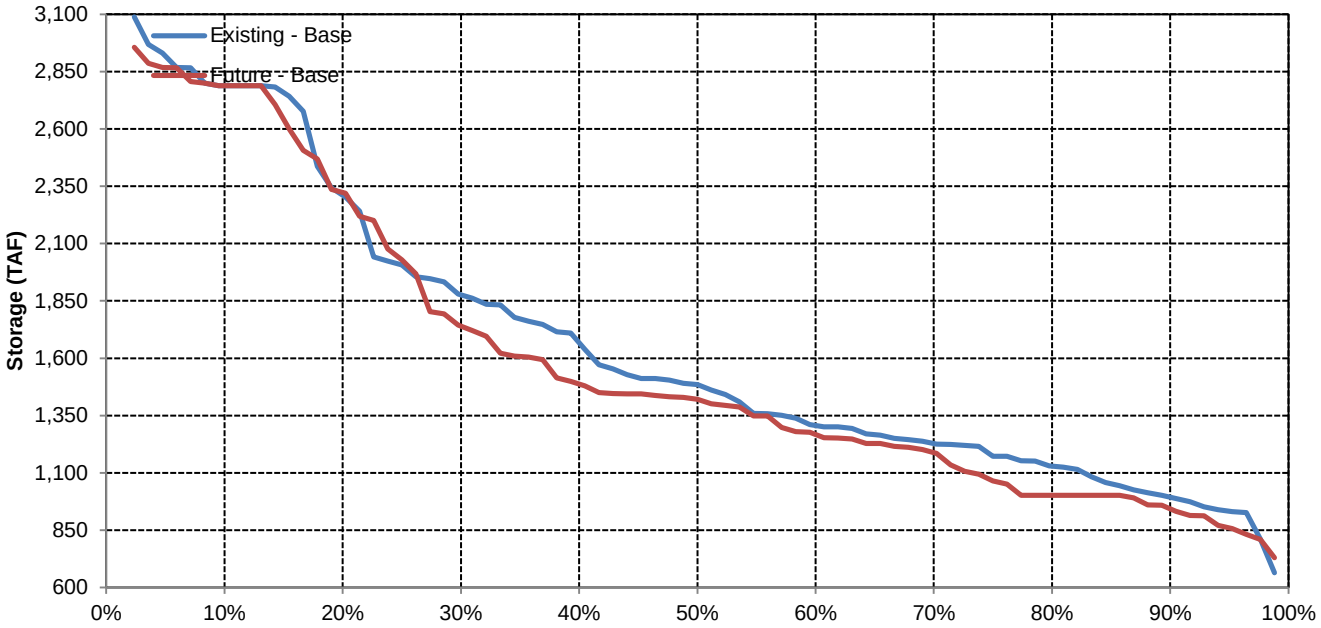


Oroville Reservoir

December



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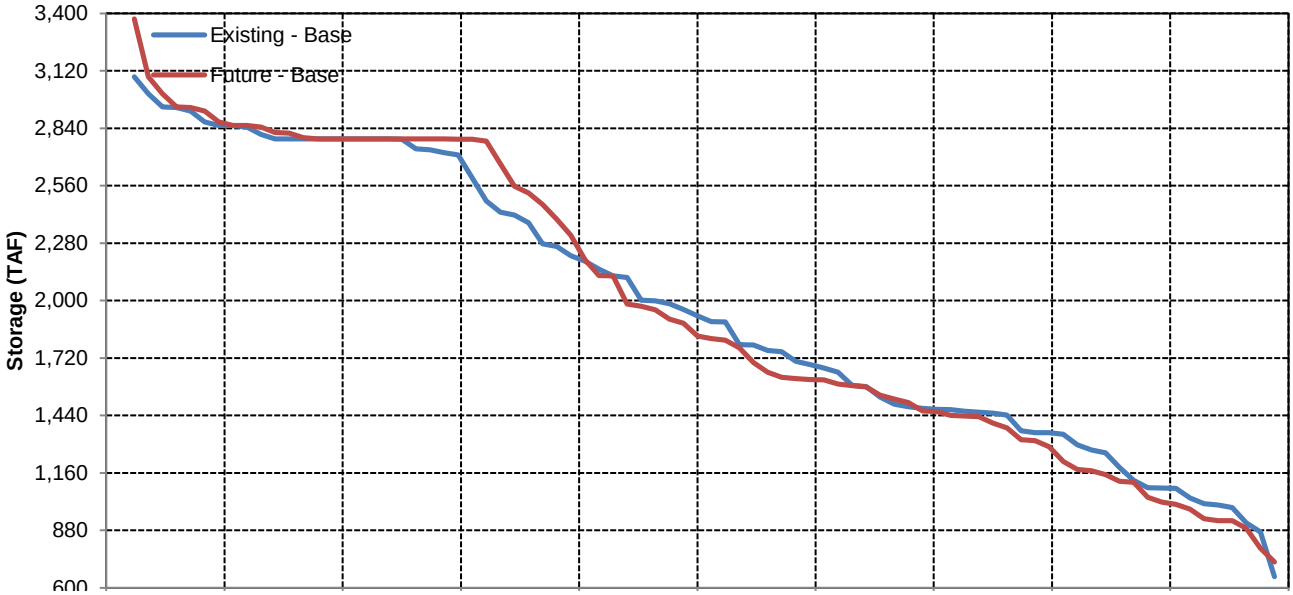
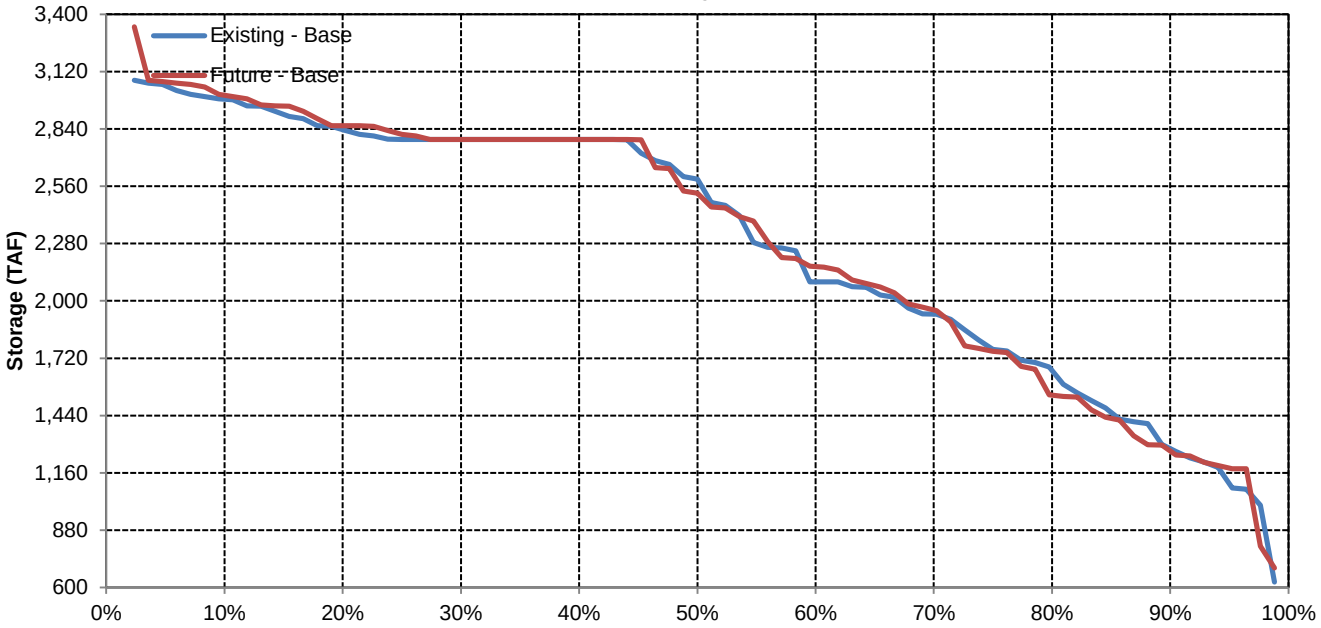
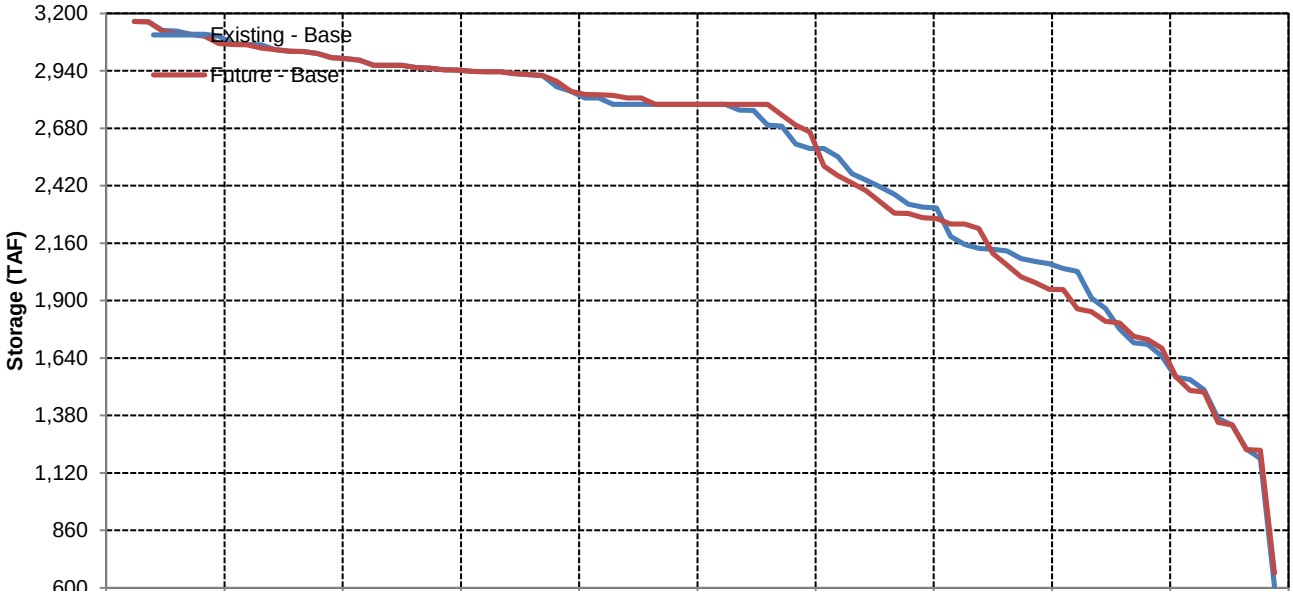


Oroville Reservoir

February

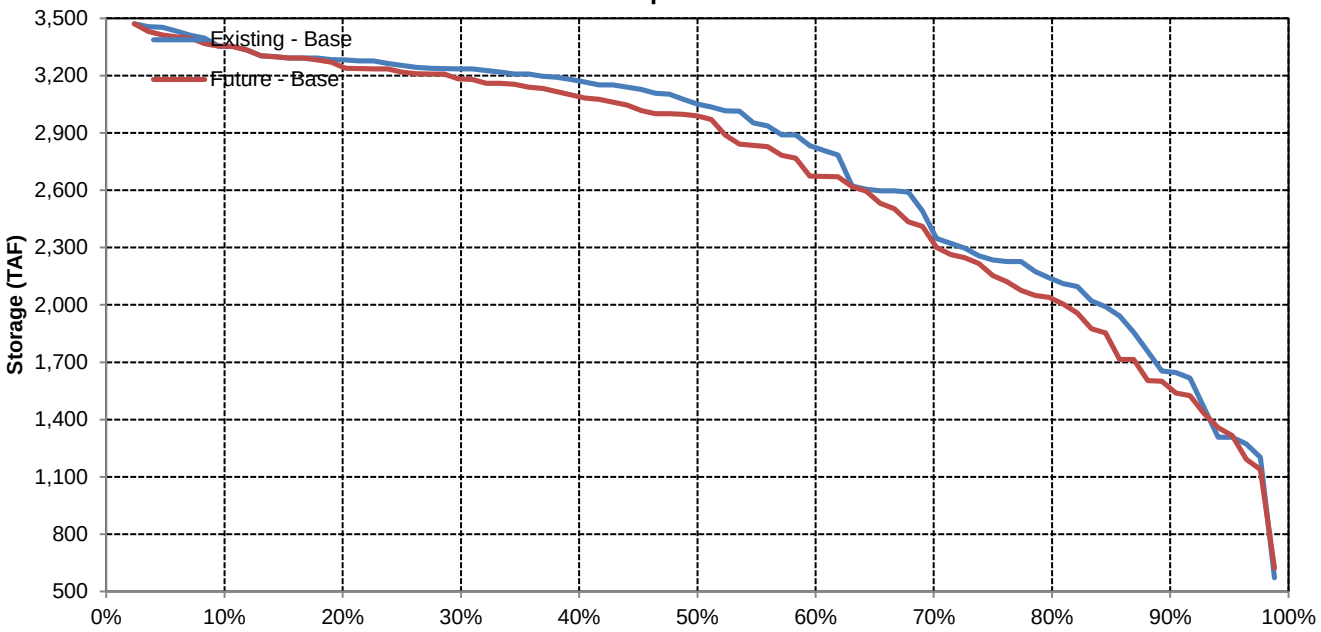


March

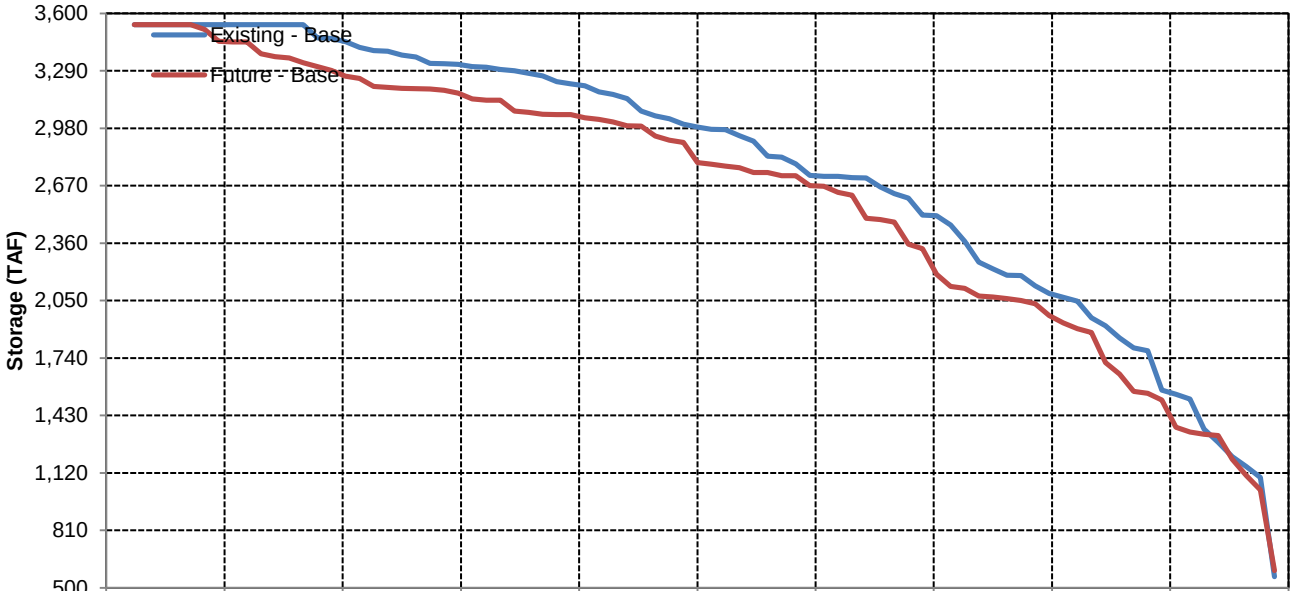


Oroville Reservoir

April

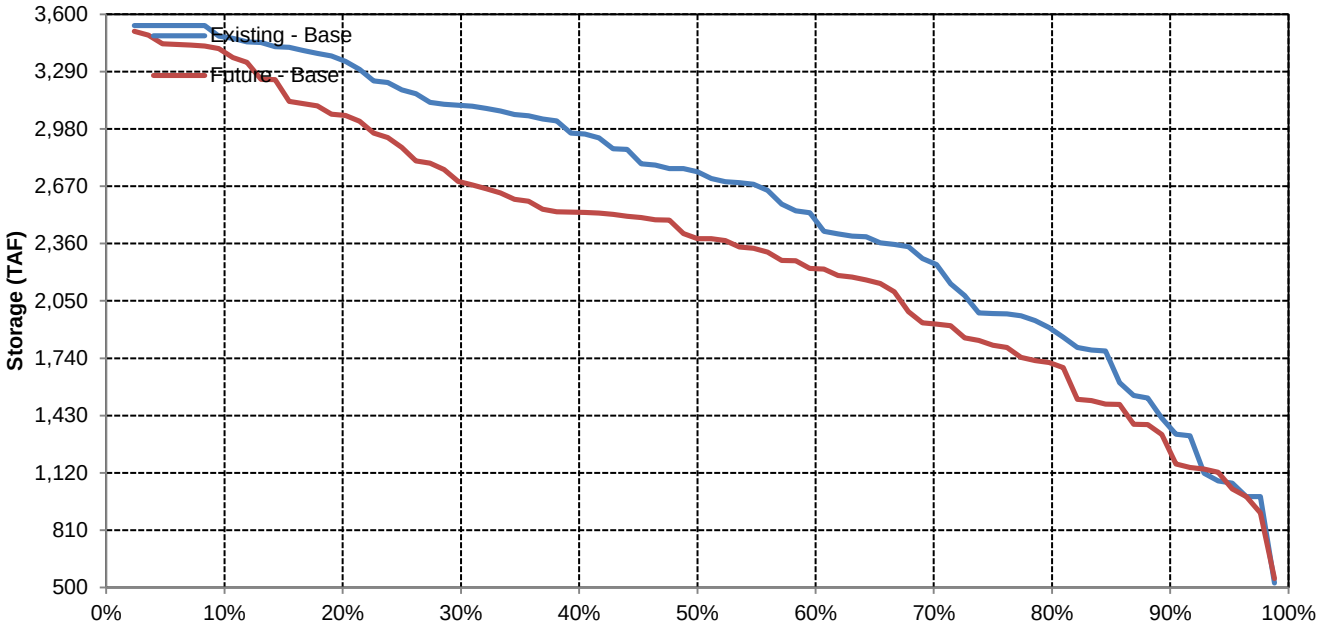


May

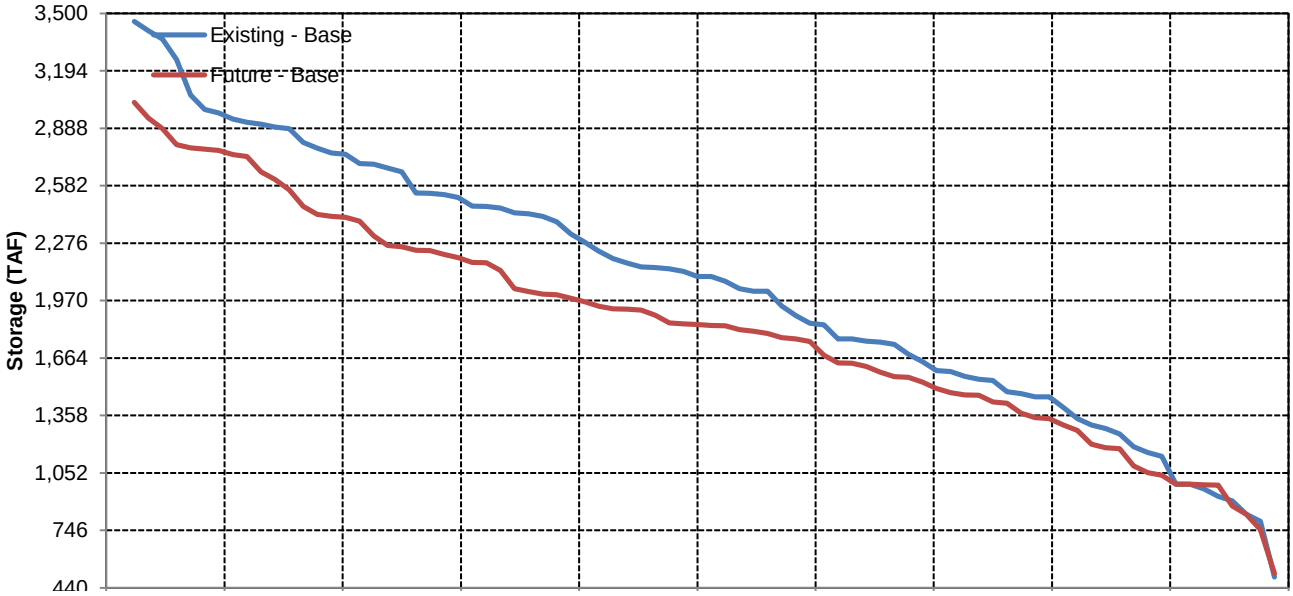


Oroville Reservoir

June

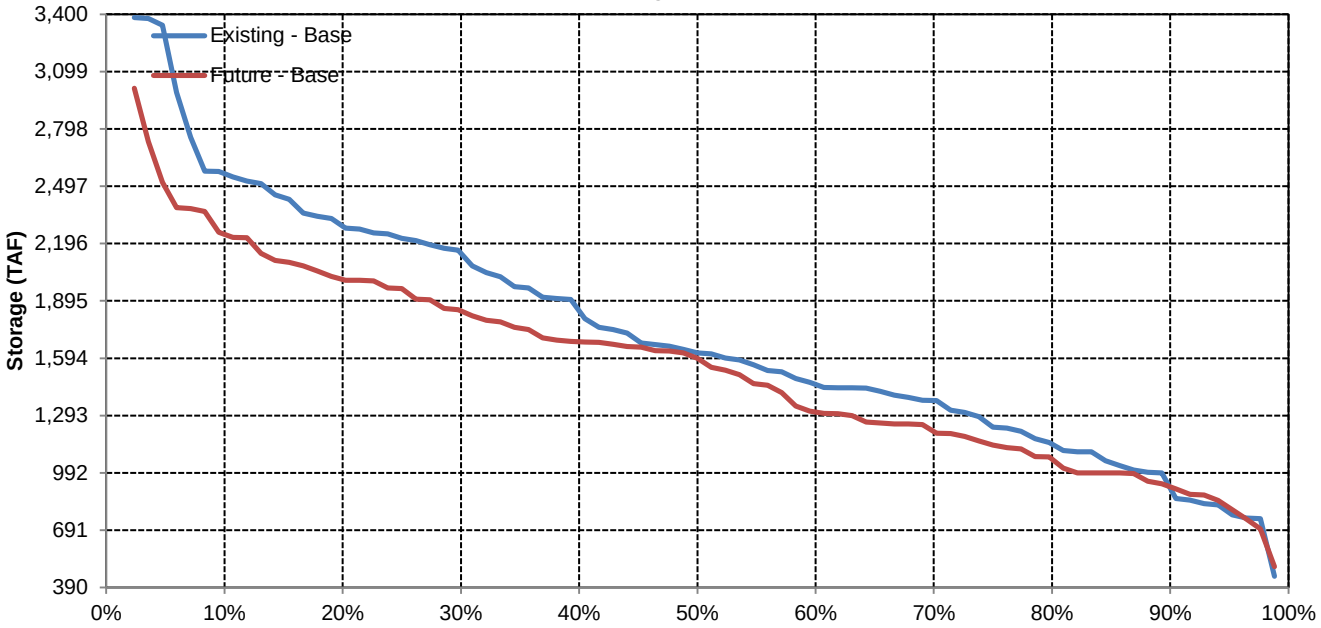


July

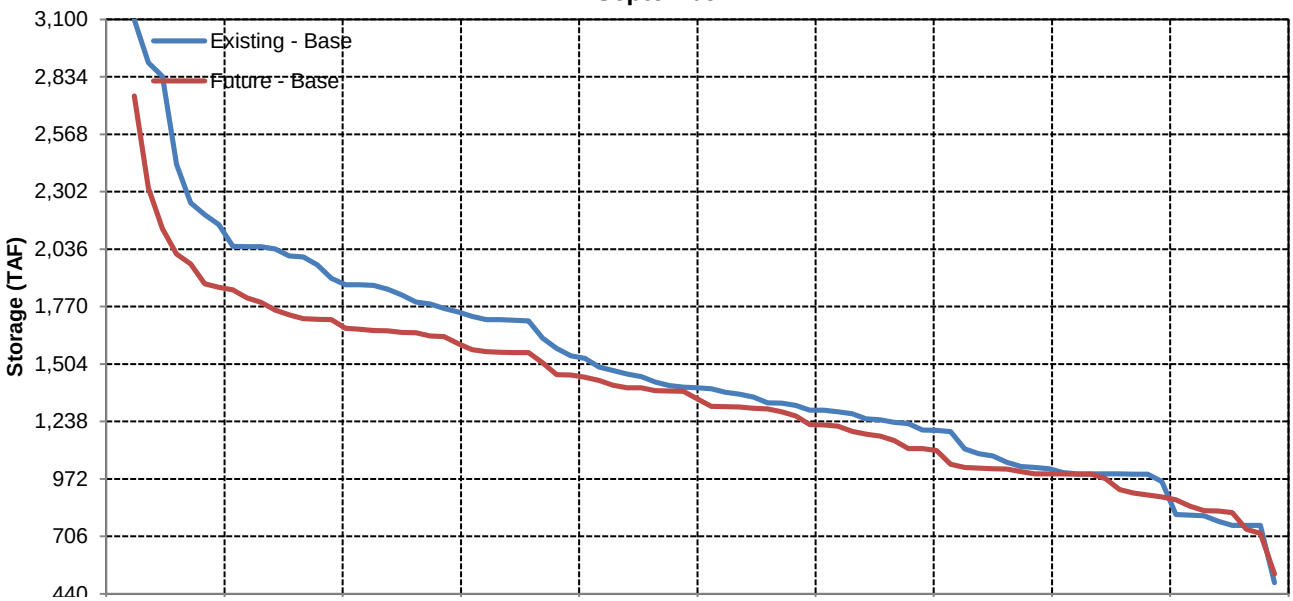


Oroville Reservoir

August



September



Long-Term and Water Year-Type Average of Folsom Reservoir Under Existing - Base and Future - Base

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September
						Average Storage (TAF)						
						Long-Term						
Full Simulation Period												
Existing - Base	391	398	446	474	495	597	712	766	699	522	477	427
Future - Base	354	352	404	454	482	592	680	678	580	460	427	390
Difference	-37	-46	-42	-20	-13	-5	-32	-88	-119	-61	-50	-37
Percent Difference	-10%	-12%	-9%	-4%	-3%	-1%	-4%	-11%	-17%	-12%	-10%	-9%
						Water Year-Types						
Wet												
Existing - Base	405	431	511	520	508	626	766	897	851	676	622	507
Future - Base	368	385	480	522	509	624	760	806	699	547	509	430
Difference	-37	-46	-31	1	1	-2	-6	-91	-151	-128	-113	-77
Percent Difference	-9%	-11%	-6%	0%	0%	0%	-1%	-10%	-18%	-19%	-18%	-15%
Above Normal												
Existing - Base	406	399	470	532	548	643	777	842	775	540	504	455
Future - Base	363	358	415	512	550	644	766	766	668	492	471	427
Difference	-43	-41	-55	-20	2	0	-12	-77	-107	-48	-33	-28
Percent Difference	-11%	-10%	-12%	-4%	0%	0%	-2%	-9%	-14%	-9%	-6%	-6%
Below Normal												
Existing - Base	397	414	447	500	536	627	774	792	716	480	445	433
Future - Base	375	361	399	471	508	624	727	714	609	493	465	455
Difference	-23	-52	-48	-28	-28	-3	-47	-77	-107	13	20	22
Percent Difference	-6%	-13%	-11%	-6%	-5%	0%	-6%	-10%	-15%	3%	5%	5%
Dry												
Existing - Base	365	367	398	418	479	593	688	698	596	438	387	376
Future - Base	336	332	372	411	477	592	646	596	489	395	356	357
Difference	-29	-35	-26	-8	-2	-1	-42	-102	-106	-44	-31	-19
Percent Difference	-8%	-10%	-7%	-2%	0%	0%	-6%	-15%	-18%	-10%	-8%	-5%
Critical												
Existing - Base	372	347	345	357	380	453	480	471	418	351	313	291
Future - Base	321	298	288	306	341	440	436	418	360	317	287	256
Difference	-51	-49	-57	-51	-39	-14	-44	-52	-58	-34	-27	-35
Percent Difference	-14%	-14%	-17%	-14%	-10%	-3%	-9%	-11%	-14%	-10%	-9%	-12%

Folsom Reservoir

Existing - Base

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	590	560	567	567	567	662	792	967	967	815	752	618
20%	495	499	567	567	567	658	792	967	877	709	667	545
30%	433	453	565	566	565	656	792	903	826	590	536	487
40%	399	419	525	557	558	651	792	803	723	530	478	439
50%	358	395	444	544	552	641	792	769	703	474	425	401
60%	339	354	413	474	518	625	758	752	677	438	396	382
70%	320	335	363	427	458	610	725	727	608	405	380	358
80%	295	300	323	365	416	566	609	626	523	374	338	318
90%	261	273	294	284	323	460	479	484	429	331	306	273
Long Term												
Full Simulation Period	391	398	446	474	495	597	712	766	699	522	477	427
Water Year Types												
Wet	405	431	511	520	508	626	766	897	851	676	622	507
Above Normal	406	399	470	532	548	643	777	842	775	540	504	455
Below Normal	397	414	447	500	536	627	774	792	716	480	445	433
Dry	365	367	398	418	479	593	688	698	596	438	387	376
Critical	372	347	345	357	380	453	480	471	418	351	313	291

Future - Base

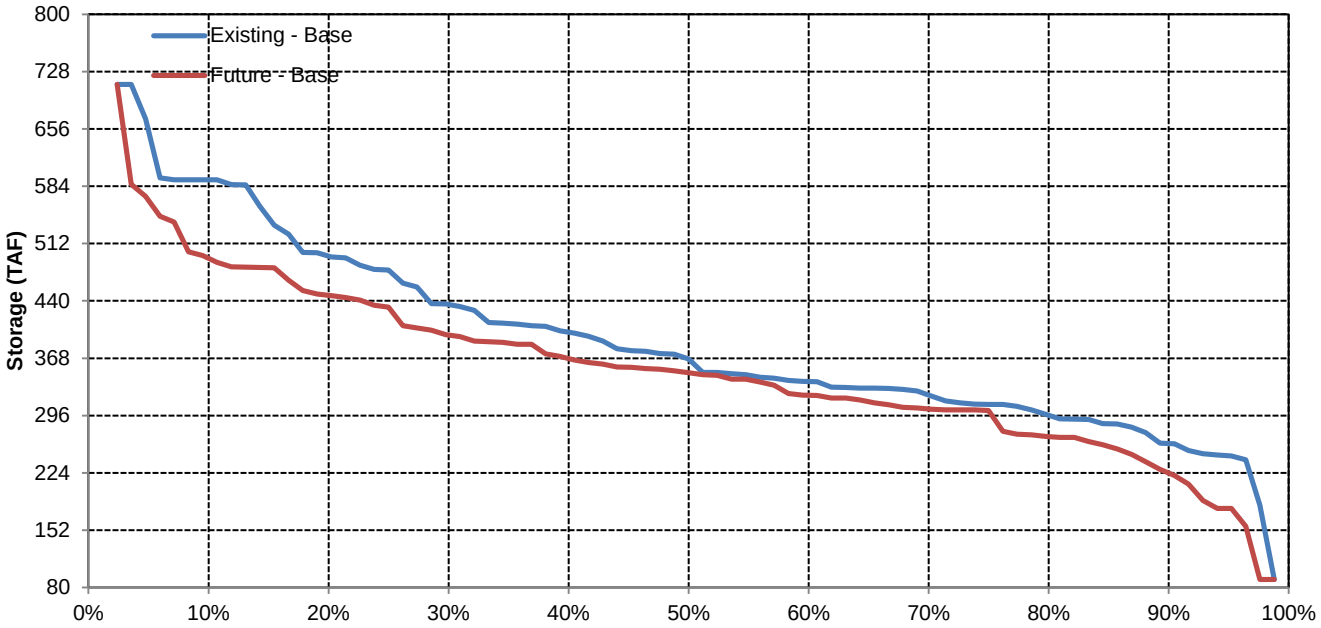
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	487	501	567	567	567	662	792	939	828	636	580	540
20%	445	437	566	567	567	656	792	820	729	587	548	504
30%	395	394	498	564	563	652	792	763	694	549	519	455
40%	365	365	432	556	557	645	791	745	621	495	483	417
50%	349	342	392	507	549	629	766	706	592	443	413	396
60%	321	327	352	454	495	616	701	656	538	418	388	360
70%	304	311	319	372	443	590	635	600	500	383	356	333
80%	269	272	302	305	386	565	554	498	404	332	305	295
90%	223	217	252	260	302	426	437	426	355	311	276	231
Long Term												
Full Simulation Period	354	352	404	454	482	592	680	678	580	460	427	390
Water Year Types												
Wet	368	385	480	522	509	624	760	806	699	547	509	430
Above Normal	363	358	415	512	550	644	766	766	668	492	471	427
Below Normal	375	361	399	471	508	624	727	714	609	493	465	455
Dry	336	332	372	411	477	592	646	596	489	395	356	357
Critical	321	298	288	306	341	440	436	418	360	317	287	256

Future - Base Minus Existing - Base

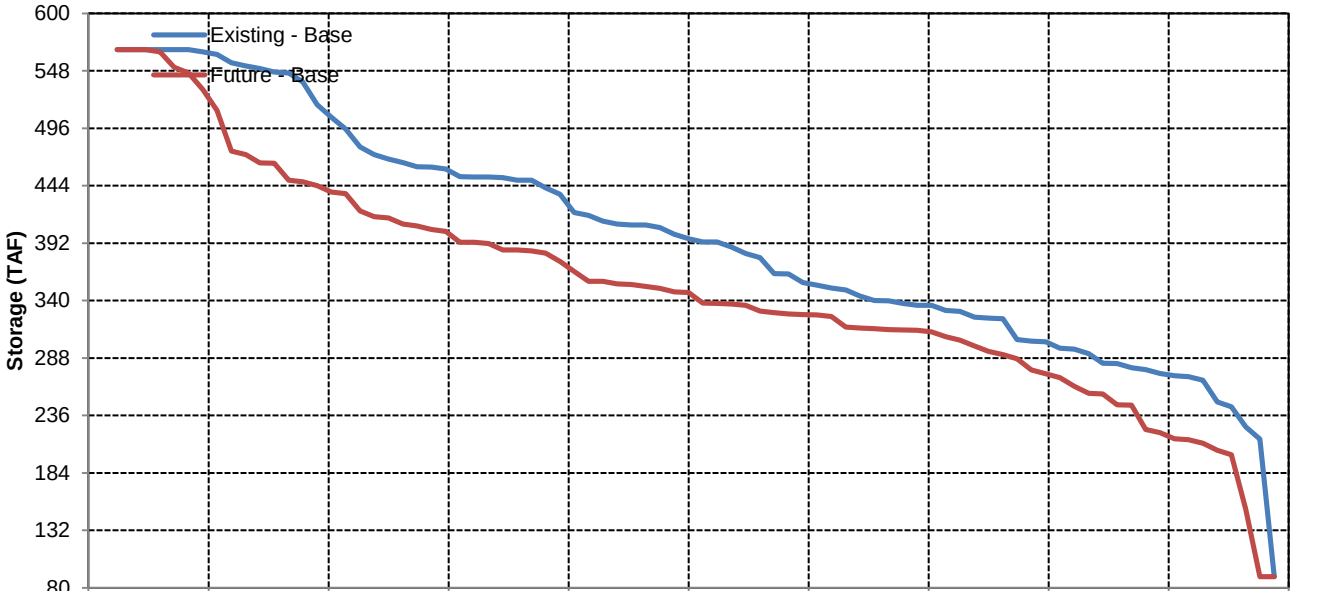
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	-103	-59	0	0	0	0	0	-28	-139	-179	-171	-77
20%	-50	-62	-1	0	0	-2	0	-147	-148	-122	-120	-42
30%	-38	-59	-67	-2	-2	-4	0	-140	-132	-41	-17	-32
40%	-33	-54	-93	-1	-1	-6	-1	-59	-101	-34	5	-23
50%	-10	-52	-52	-37	-3	-12	-26	-63	-111	-32	-12	-5
60%	-17	-27	-61	-19	-23	-9	-58	-95	-139	-20	-8	-22
70%	-16	-24	-45	-55	-15	-20	-90	-127	-107	-21	-24	-24
80%	-26	-28	-21	-60	-30	-1	-55	-128	-119	-41	-33	-23
90%	-37	-56	-43	-24	-22	-34	-42	-58	-74	-20	-30	-42
Long Term												
Full Simulation Period	-37	-46	-42	-20	-13	-5	-32	-88	-119	-61	-50	-37
Water Year Types												
Wet	-37	-46	-31	1	1	-2	-6	-91	-151	-128	-113	-77
Above Normal	-43	-41	-55	-20	2	0	-12	-77	-107	-48	-33	-28
Below Normal	-23	-52	-48	-28	-28	-3	-47	-77	-107	13	20	22
Dry	-29	-35	-26	-8	-2	-1	-42	-102	-106	-44	-31	-19
Critical	-51	-49	-57	-51	-39	-14	-44	-52	-58	-34	-27	-35

Folsom Reservoir

October

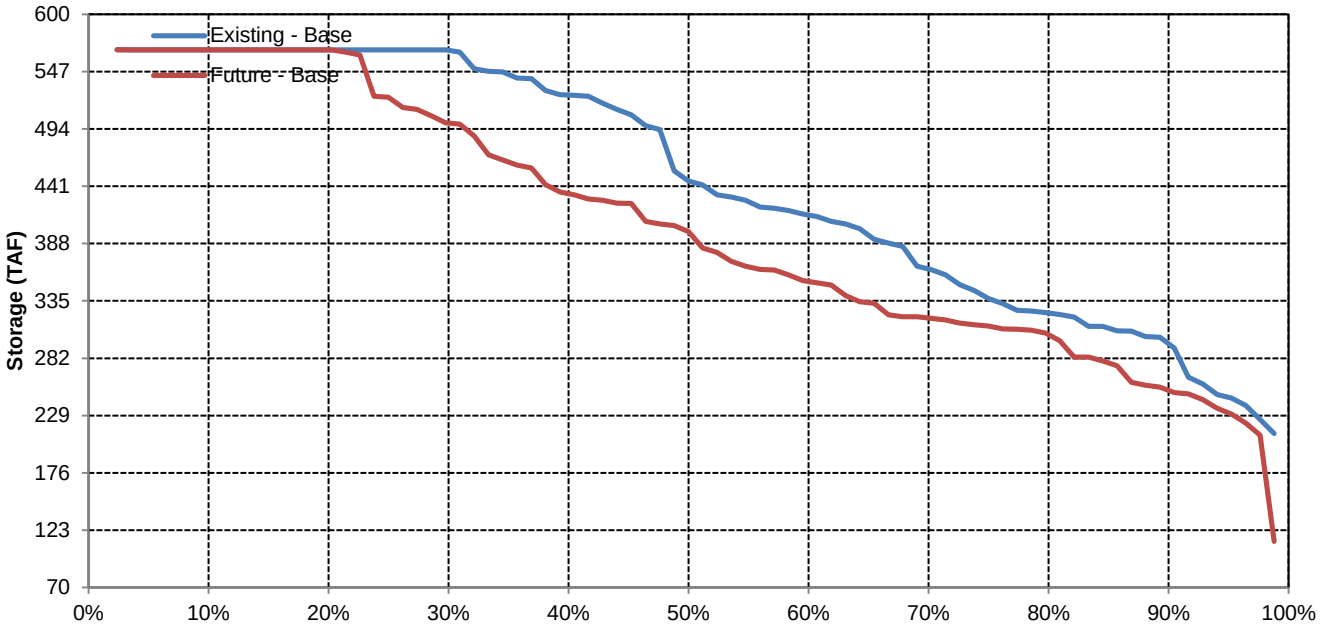


November

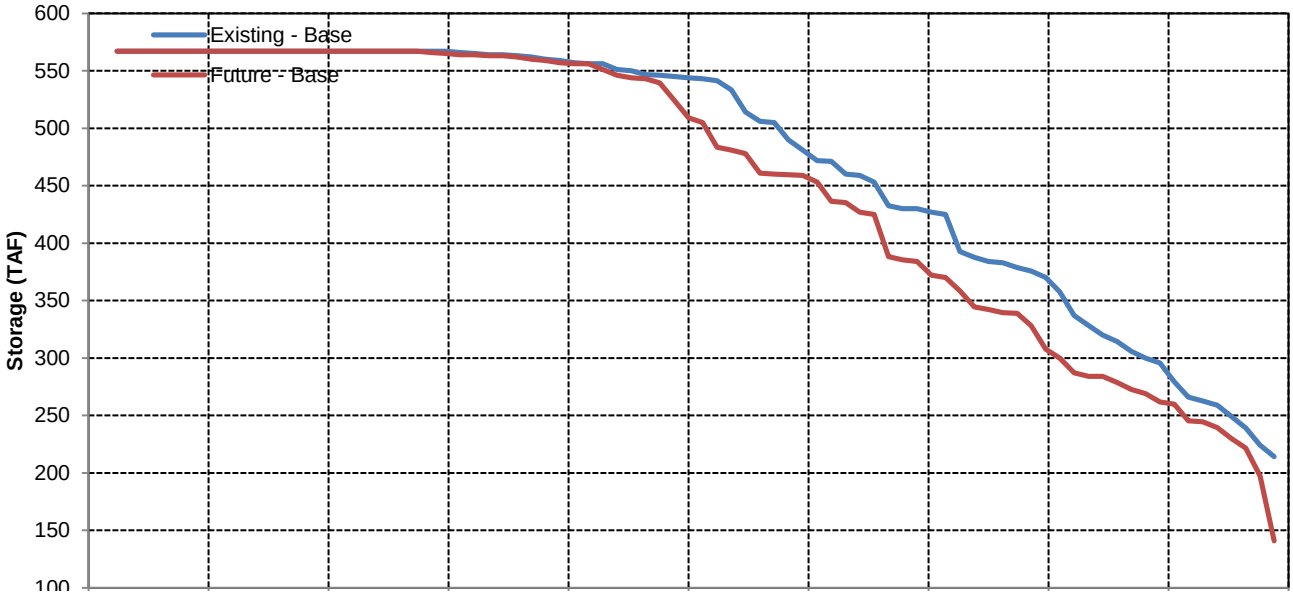


Folsom Reservoir

December

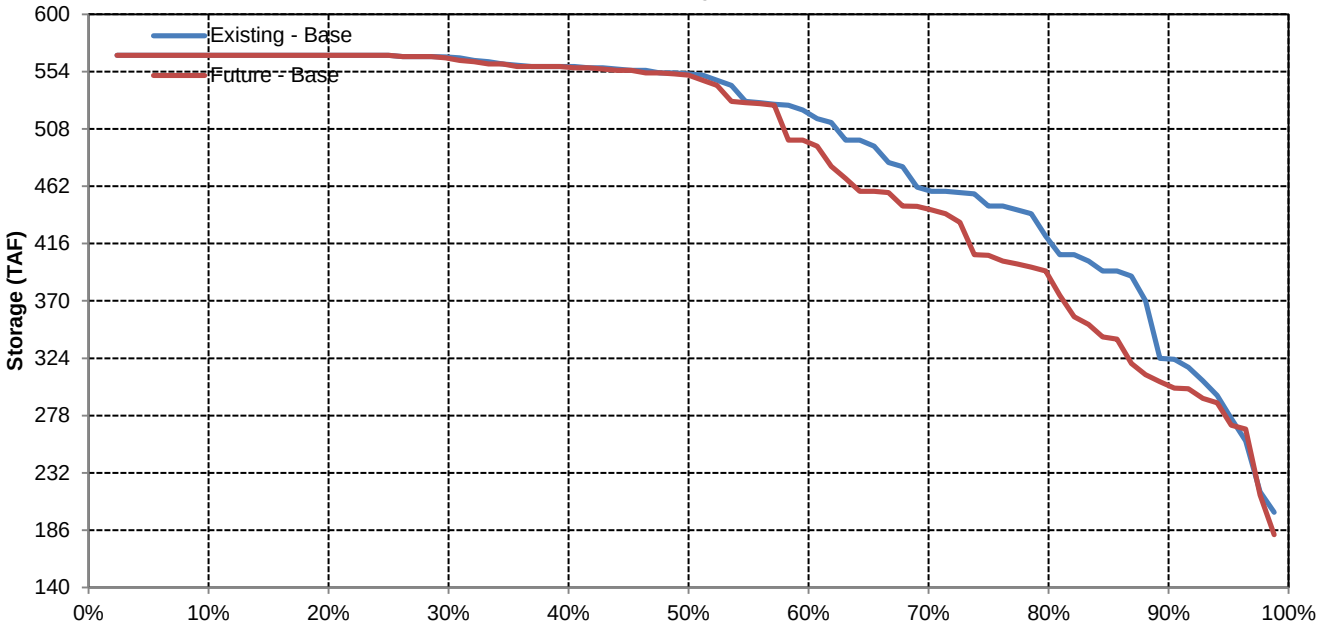


January

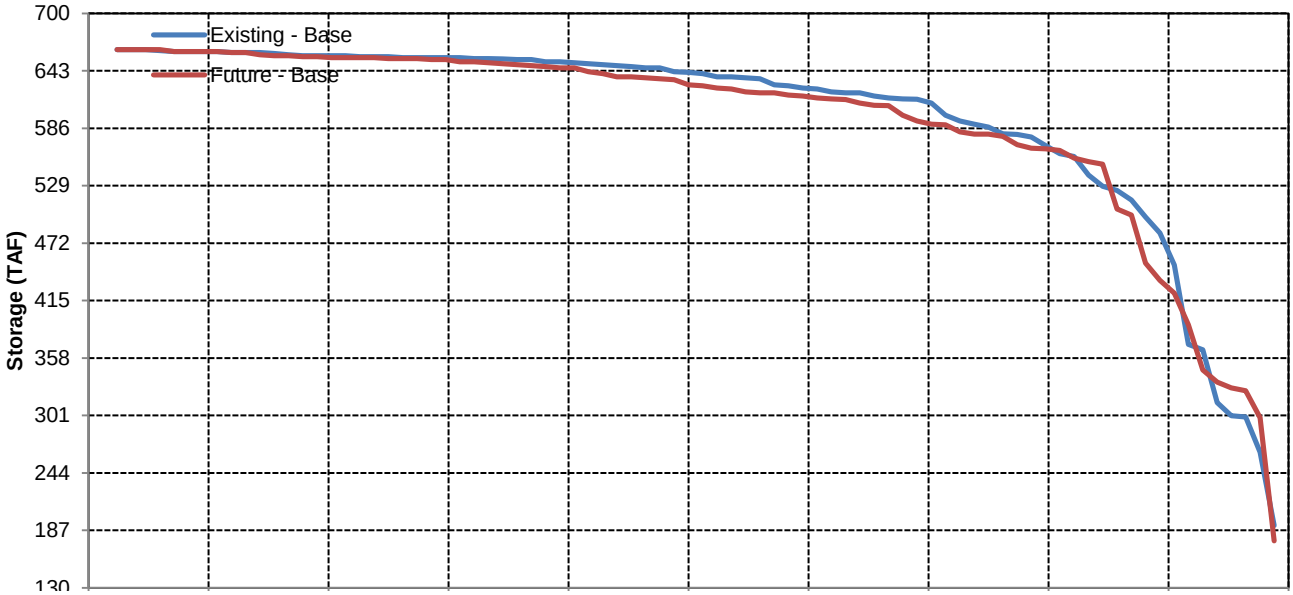


Folsom Reservoir

February

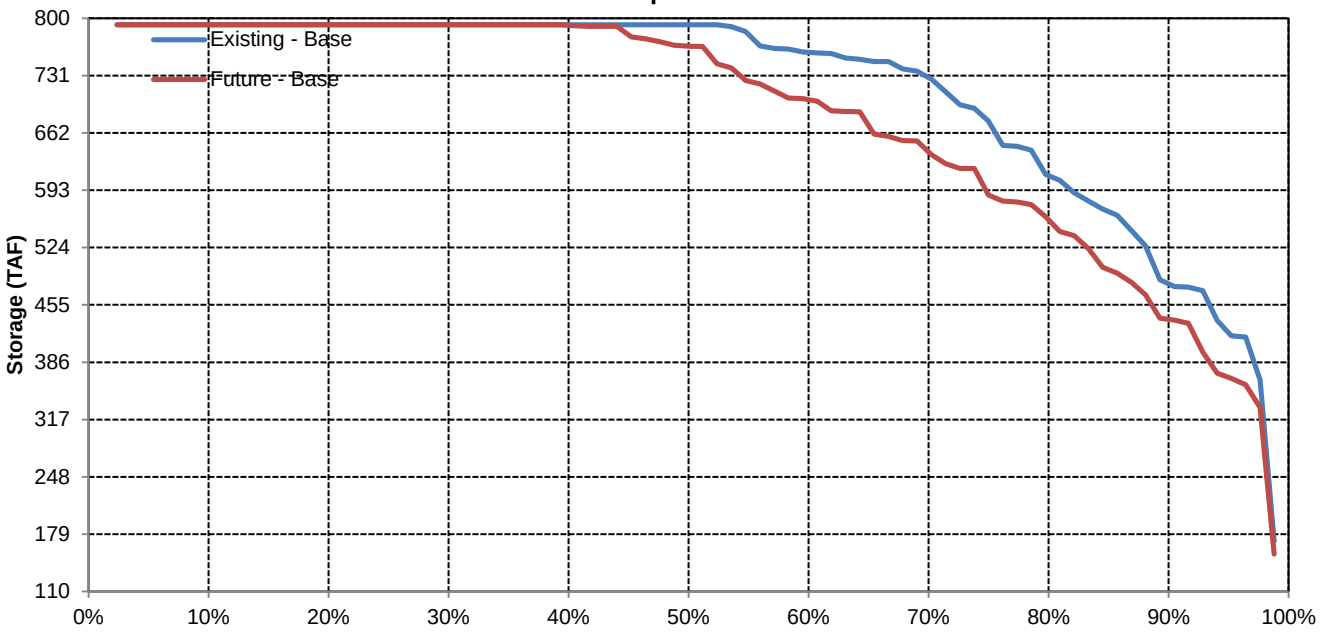


March

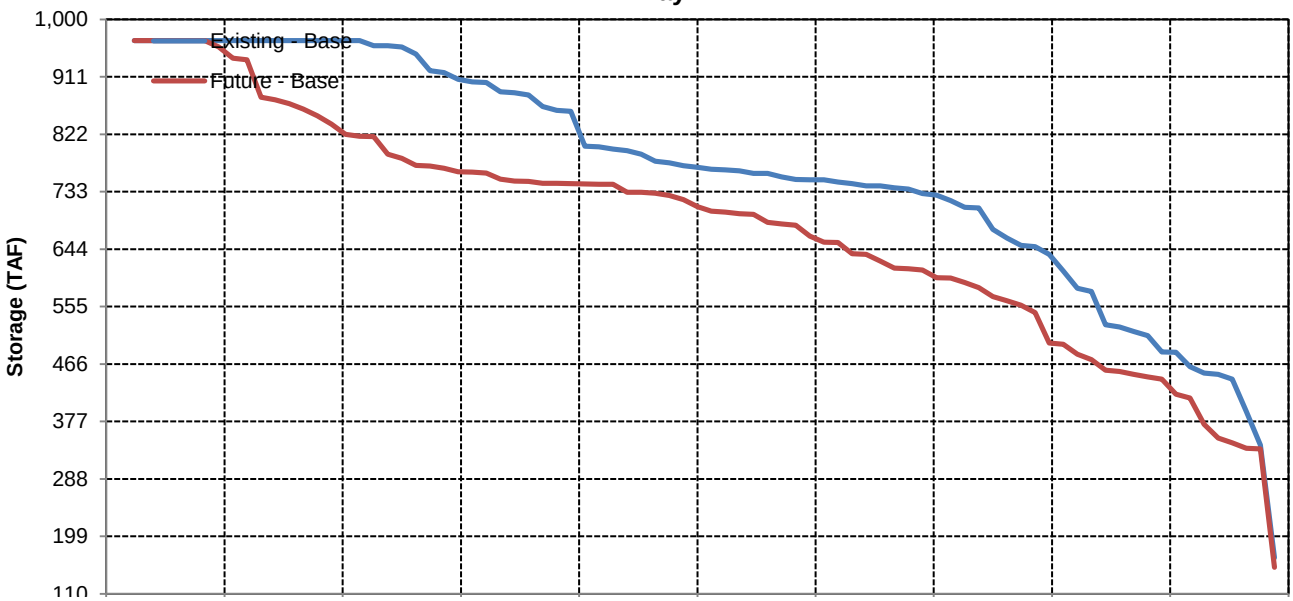


Folsom Reservoir

April

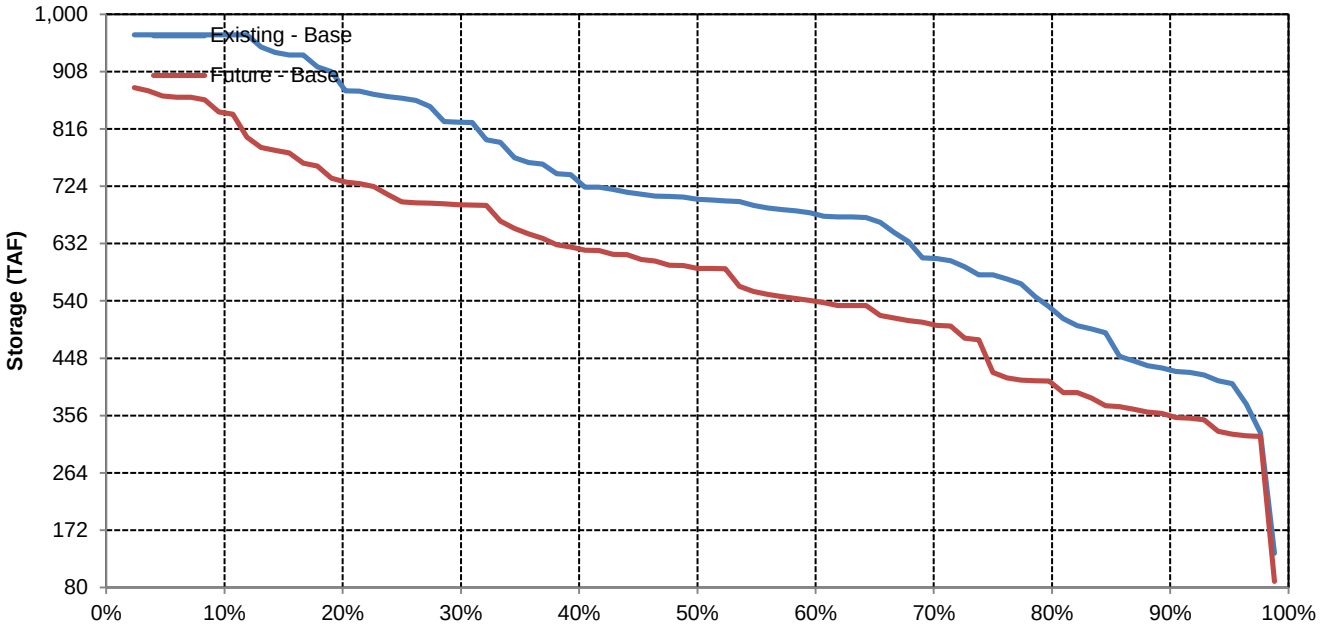


May

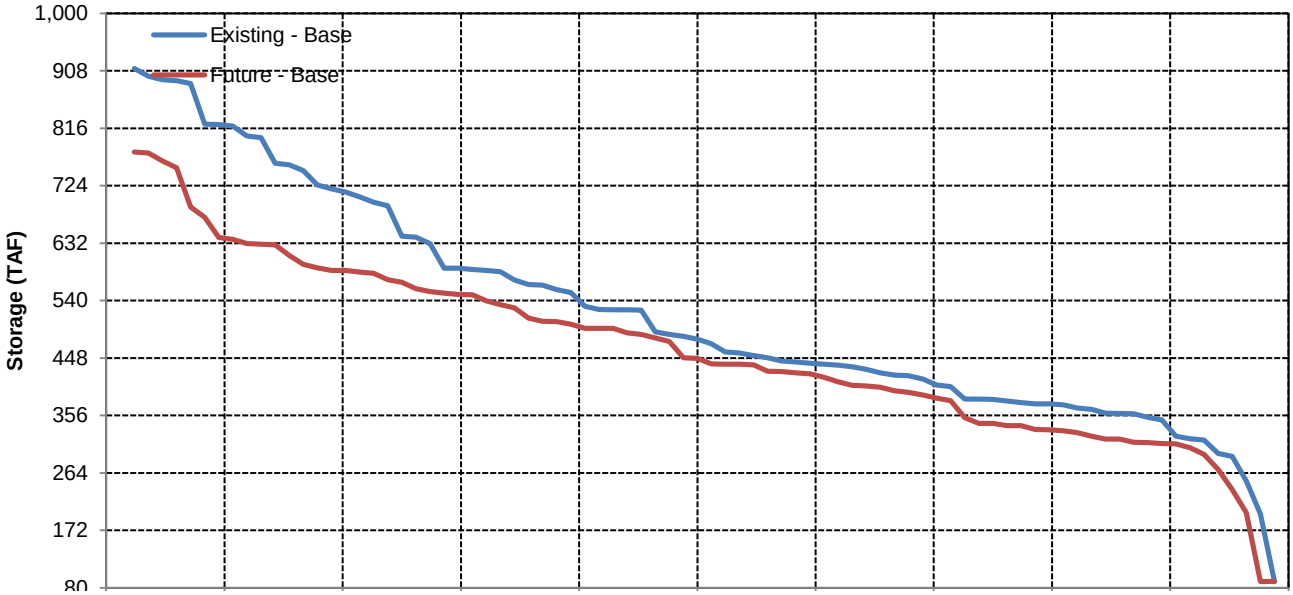


Folsom Reservoir

June

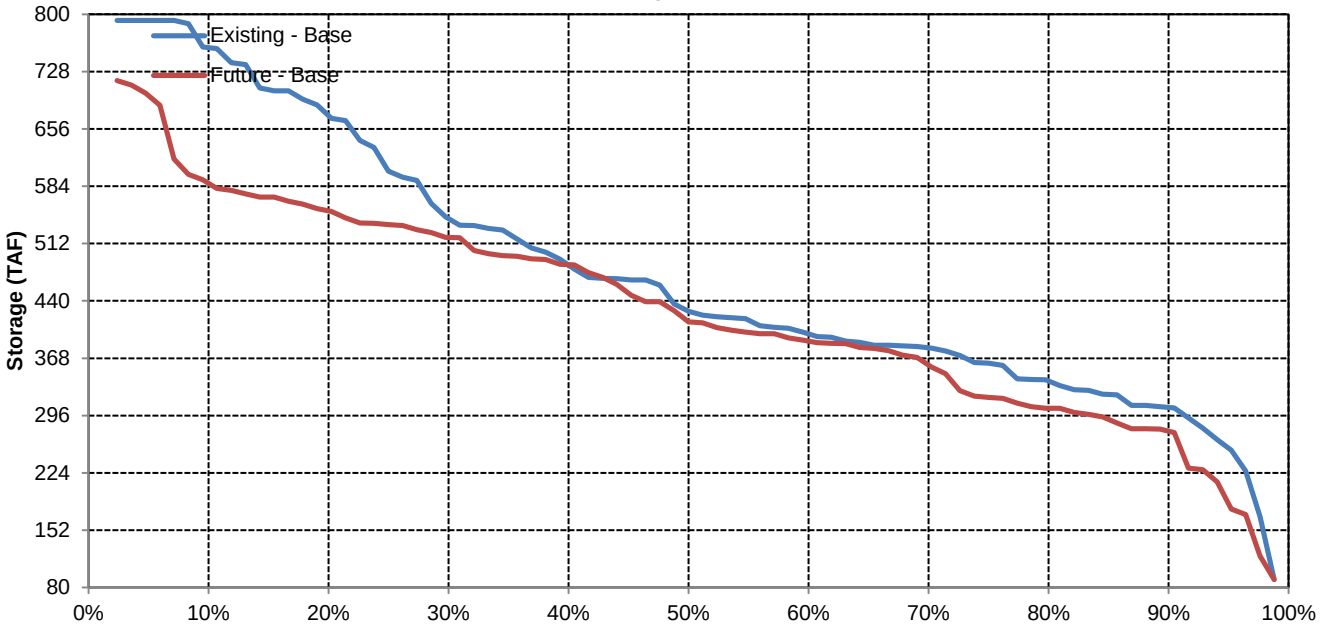


July

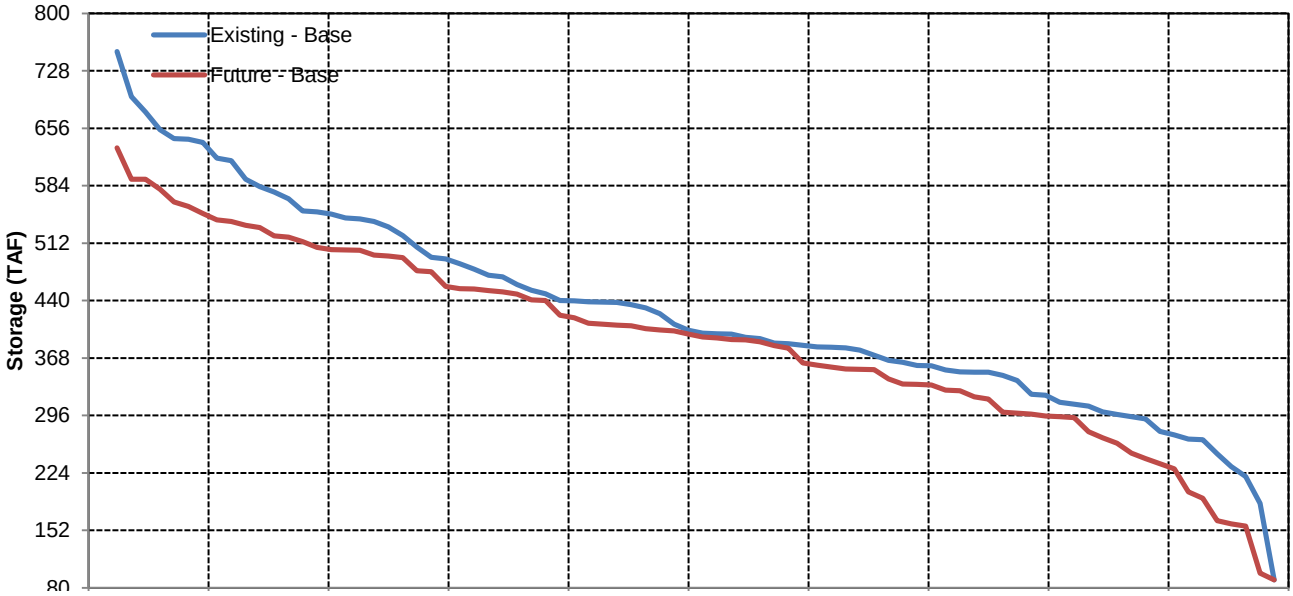


Folsom Reservoir

August



September



Long-Term and Water Year-Type Average of CVP San Luis Reservoir Under Existing - Base and Future - Base

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Existing - Base	217	330	493	616	709	777	712	577	404	261	171	178
Future - Base	218	294	461	615	743	823	788	682	578	413	314	270
Difference	0	-36	-32	-1	34	46	76	105	174	152	143	91
Percent Difference	0%	-11%	-6%	0%	5%	6%	11%	18%	43%	58%	84%	51%
						Water Year-Types						
Wet												
Existing - Base	230	346	525	677	824	925	859	729	581	362	252	241
Future - Base	203	294	487	682	836	918	880	792	678	499	390	304
Difference	-27	-51	-39	4	12	-7	21	62	96	138	138	63
Percent Difference	-12%	-15%	-7%	1%	1%	-1%	2%	9%	17%	38%	55%	26%
Above Normal												
Existing - Base	231	375	535	653	766	876	790	630	437	201	133	128
Future - Base	215	289	456	607	754	844	802	668	594	409	303	202
Difference	-16	-86	-79	-46	-12	-32	12	37	157	209	170	74
Percent Difference	-7%	-23%	-15%	-7%	-2%	-4%	1%	6%	36%	104%	127%	58%
Below Normal												
Existing - Base	227	343	526	627	701	758	697	561	373	276	187	214
Future - Base	237	280	459	588	713	836	815	706	632	430	313	312
Difference	10	-64	-66	-39	12	77	117	145	259	154	127	97
Percent Difference	4%	-19%	-13%	-6%	2%	10%	17%	26%	70%	56%	68%	45%
Dry												
Existing - Base	183	268	424	532	582	636	573	429	249	184	96	121
Future - Base	211	284	442	576	689	772	742	621	516	359	253	240
Difference	28	16	18	44	107	136	169	192	267	175	157	119
Percent Difference	16%	6%	4%	8%	18%	21%	30%	45%	107%	95%	163%	99%
Critical												
Existing - Base	208	316	428	546	591	584	532	427	251	194	118	124
Future - Base	242	329	444	571	654	666	621	536	395	302	263	262
Difference	34	12	15	26	64	82	89	109	144	108	145	138
Percent Difference	16%	4%	4%	5%	11%	14%	17%	26%	57%	56%	123%	112%

CVP San Luis Reservoir

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	423	528	671	789	972	972	941	862	717	525	378	377
20%	262	388	570	728	885	972	879	758	581	448	308	244
30%	221	367	550	687	804	930	836	701	507	347	205	200
40%	187	347	513	652	763	871	800	630	435	241	143	141
50%	182	327	490	594	719	825	746	582	379	222	107	127
60%	164	294	464	568	651	722	658	487	303	178	90	113
70%	155	274	431	535	596	657	587	441	267	143	63	99
80%	139	209	360	482	541	593	537	392	207	105	45	90
90%	104	148	277	434	489	530	490	352	155	56	45	65
Long Term												
Full Simulation Period	217	330	493	616	709	777	712	577	404	261	171	178
Water Year Types												
Wet	230	346	525	677	824	925	859	729	581	362	252	241
Above Normal	231	375	535	653	766	876	790	630	437	201	133	128
Below Normal	227	343	526	627	701	758	697	561	373	276	187	214
Dry	183	268	424	532	582	636	573	429	249	184	96	121
Critical	208	316	428	546	591	584	532	427	251	194	118	124

Future - Base

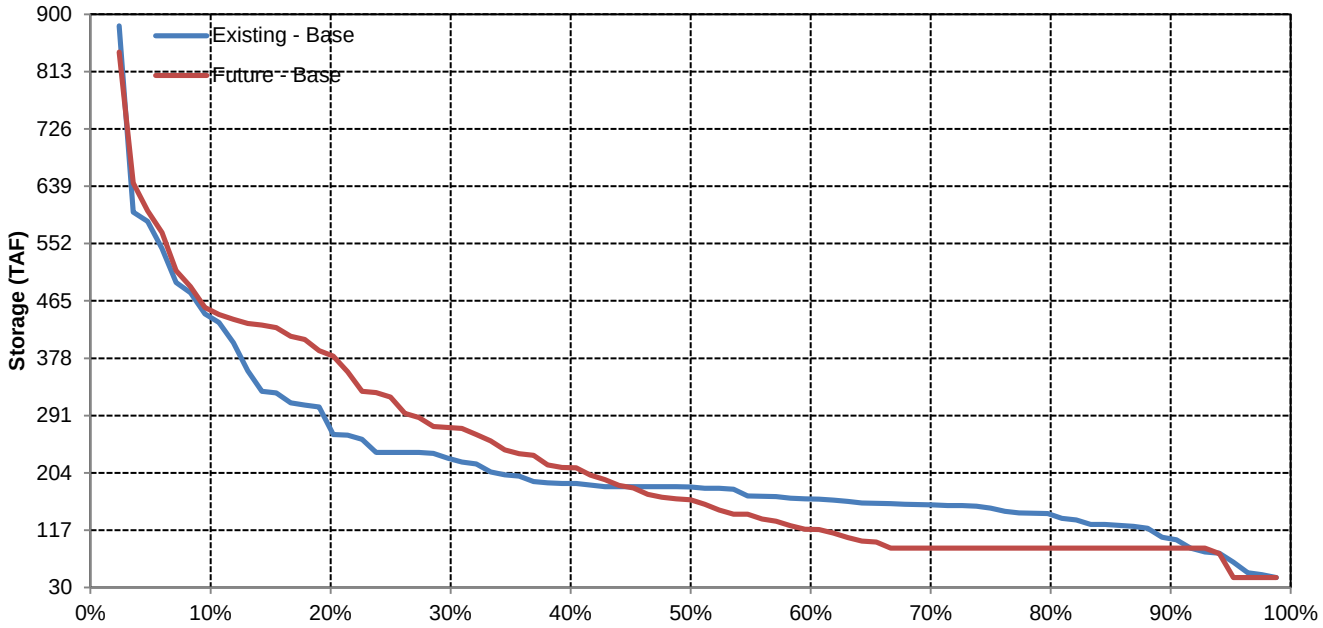
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	442	574	764	972	972	972	972	909	861	675	596	517
20%	367	426	607	826	972	972	958	858	767	563	489	434
30%	272	373	528	720	942	972	913	806	702	492	413	347
40%	209	298	476	659	826	967	889	768	647	455	316	289
50%	160	269	425	581	736	883	869	715	609	394	256	223
60%	118	232	369	521	682	833	793	636	539	340	226	161
70%	90	173	327	477	630	718	665	571	458	287	190	132
80%	90	122	284	432	554	658	611	480	404	238	140	91
90%	90	90	246	370	439	573	531	393	274	197	110	90
Long Term												
Full Simulation Period	218	294	461	615	743	823	788	682	578	413	314	270
Water Year Types												
Wet	203	294	487	682	836	918	880	792	678	499	390	304
Above Normal	215	289	456	607	754	844	802	668	594	409	303	202
Below Normal	237	280	459	588	713	836	815	706	632	430	313	312
Dry	211	284	442	576	689	772	742	621	516	359	253	240
Critical	242	329	444	571	654	666	621	536	395	302	263	262

Future - Base Minus Existing - Base

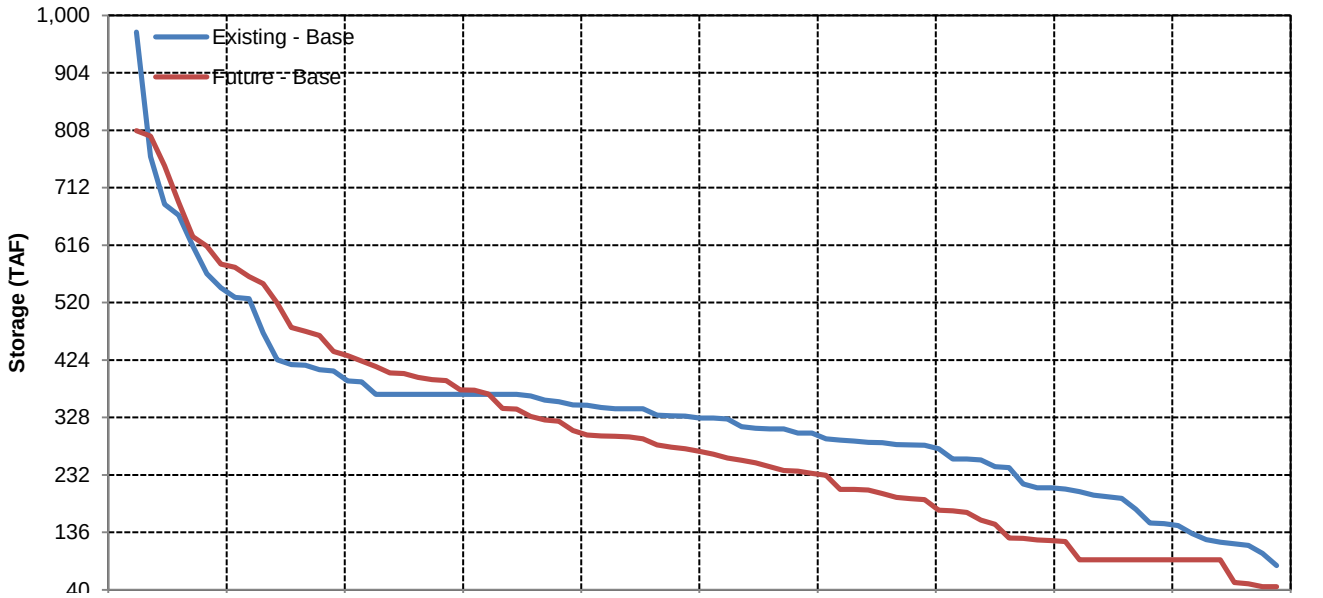
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	19	47	93	183	0	0	31	47	143	150	218	140
20%	105	38	37	99	87	0	79	100	186	115	182	190
30%	51	7	-22	32	137	42	77	106	194	145	208	147
40%	22	-49	-36	7	62	97	89	138	212	215	173	147
50%	-22	-58	-65	-14	17	59	123	133	230	172	149	96
60%	-46	-63	-95	-48	31	110	135	150	236	161	136	48
70%	-65	-101	-104	-58	34	60	78	130	191	145	126	33
80%	-49	-88	-76	-50	13	66	74	88	196	133	95	1
90%	-14	-58	-31	-64	-50	43	41	42	119	141	65	25
Long Term												
Full Simulation Period	0	-36	-32	-1	34	46	76	105	174	152	143	91
Water Year Types												
Wet	-27	-51	-39	4	12	-7	21	62	96	138	138	63
Above Normal	-16	-86	-79	-46	-12	-32	12	37	157	209	170	74
Below Normal	10	-64	-66	-39	12	77	117	145	259	154	127	97
Dry	28	16	18	44	107	136	169	192	267	175	157	119
Critical	34	12	15	26	64	82	89	109	144	108	145	138

CVP San Luis Reservoir

October

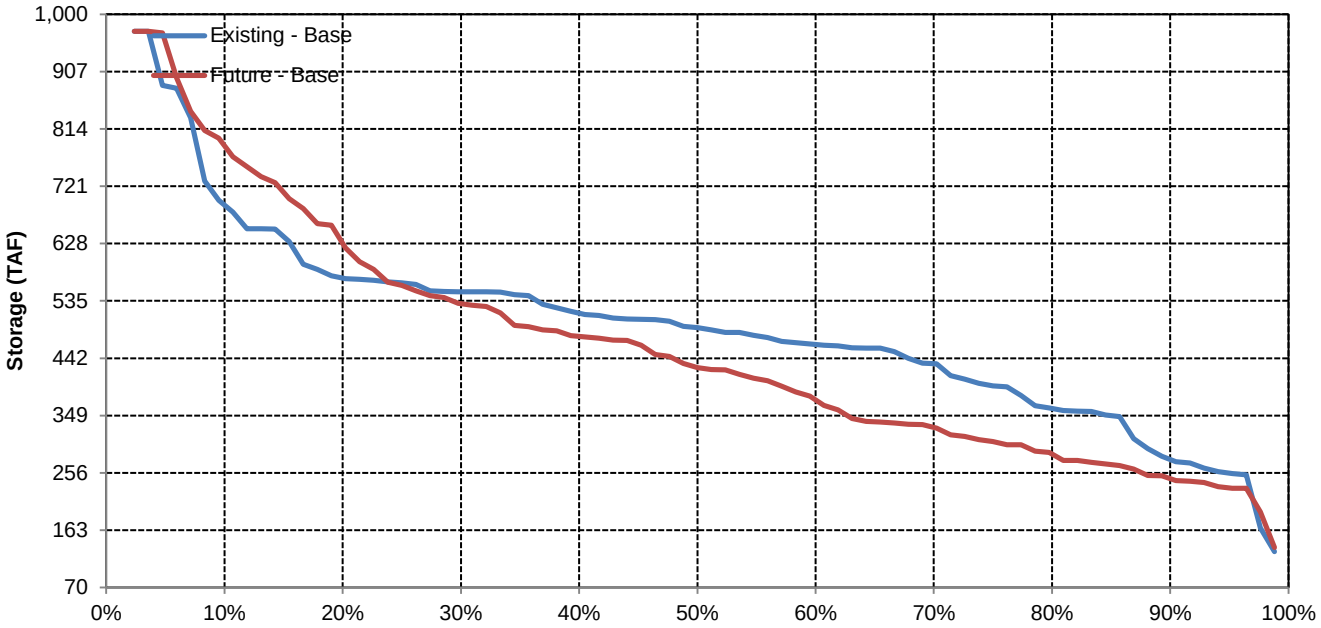


November

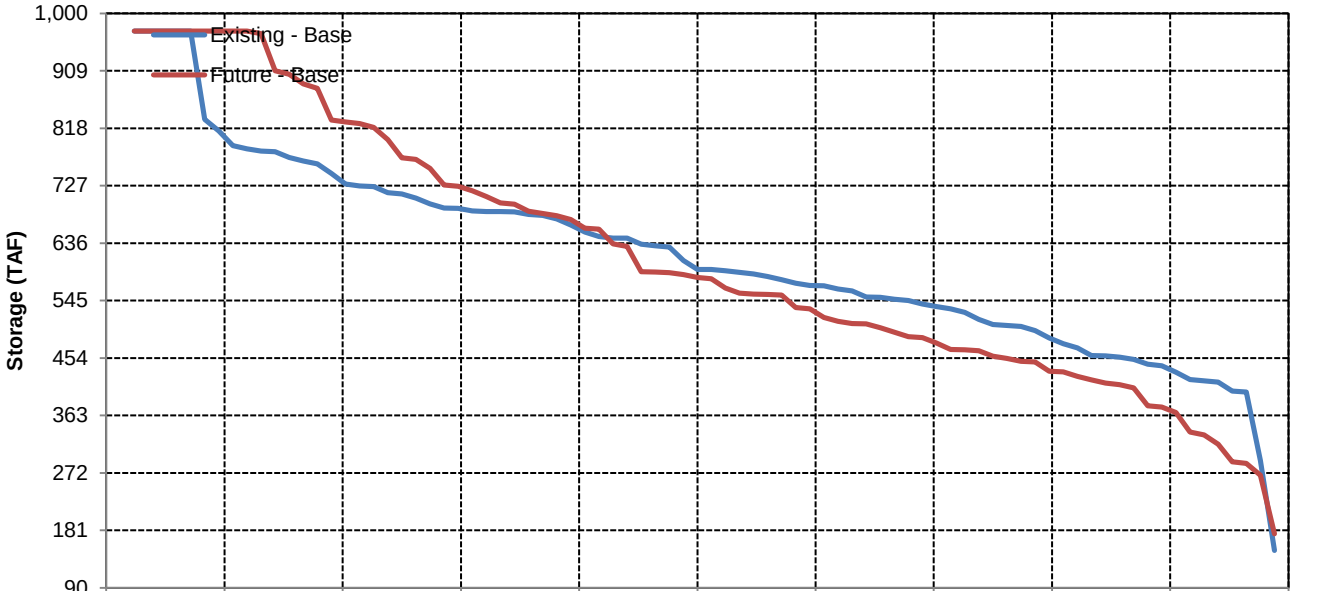


CVP San Luis Reservoir

December

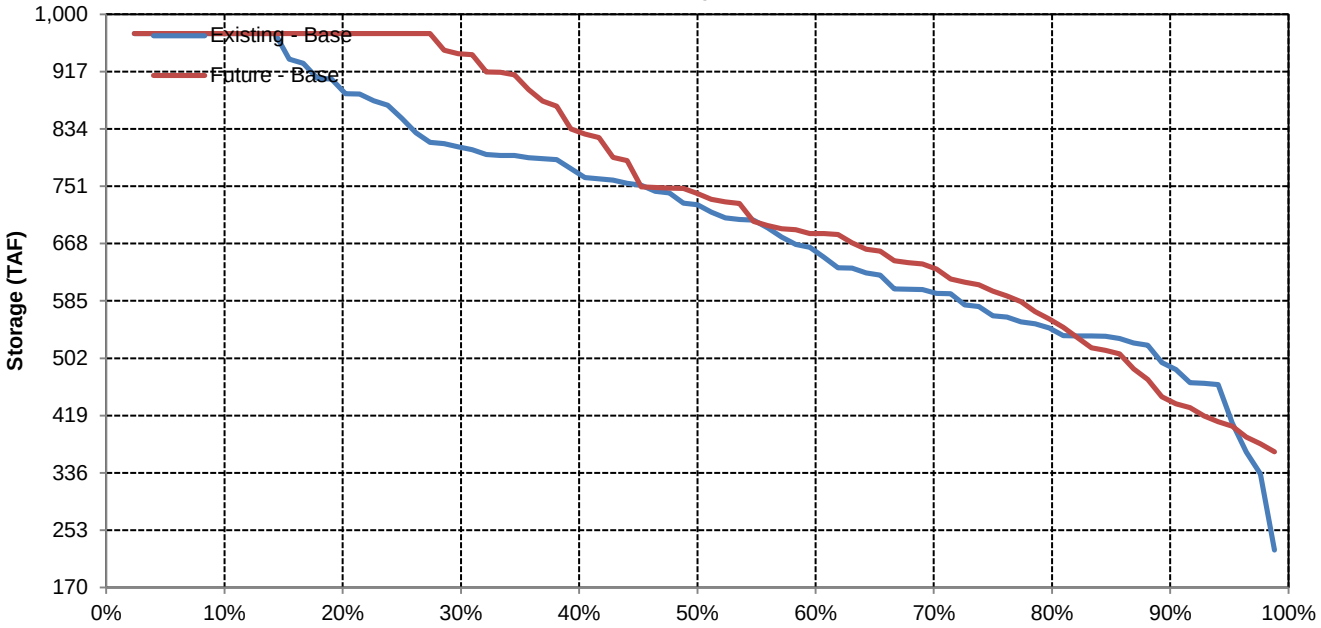


January

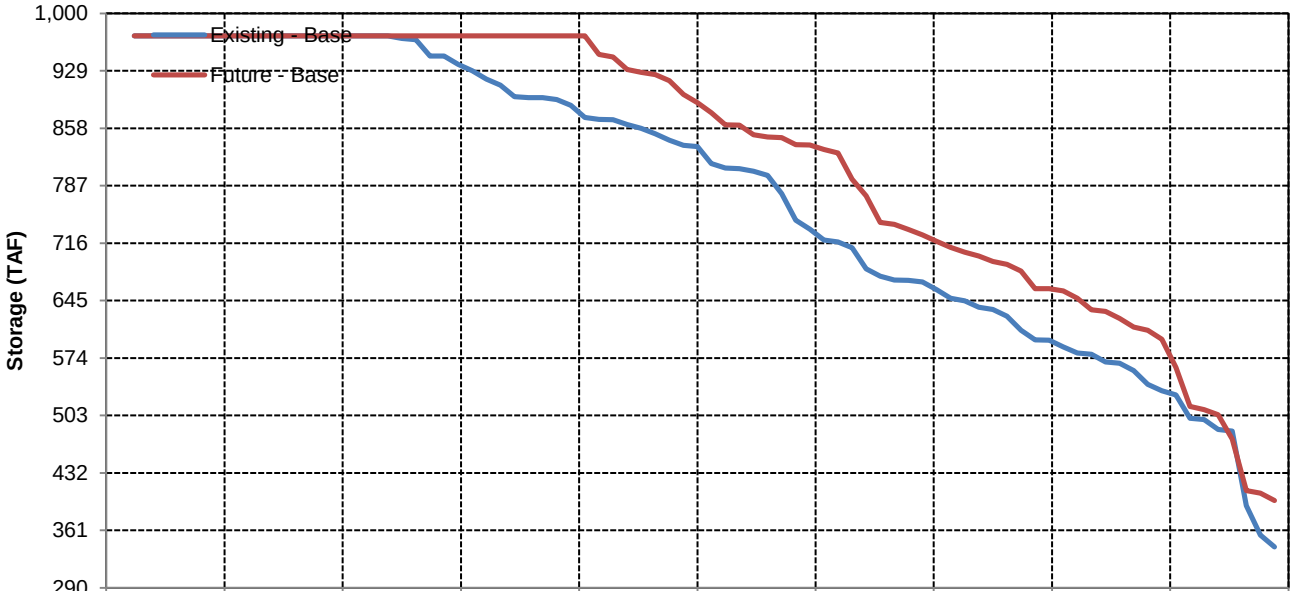


CVP San Luis Reservoir

February

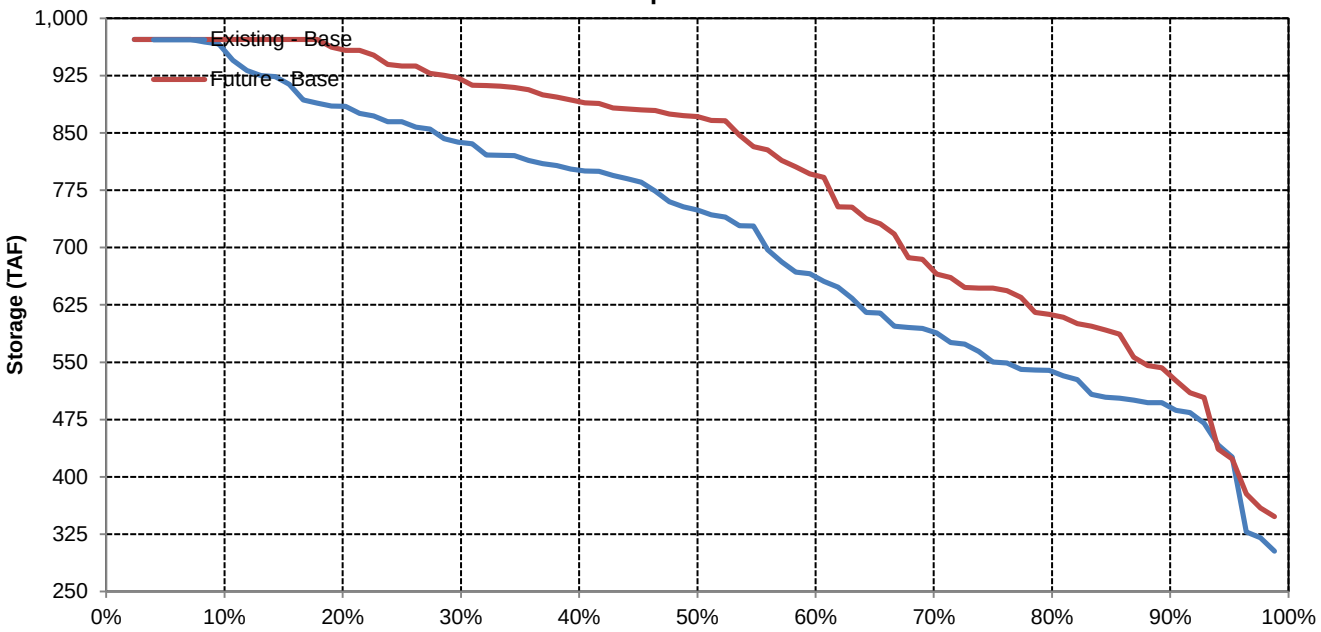


March

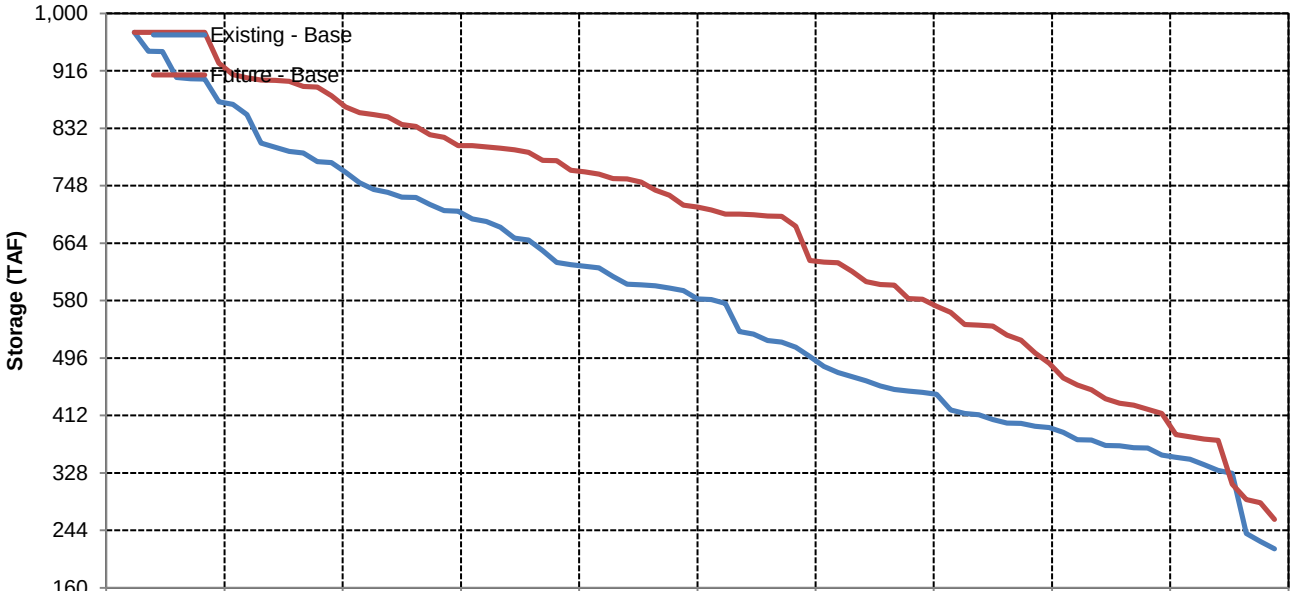


CVP San Luis Reservoir

April

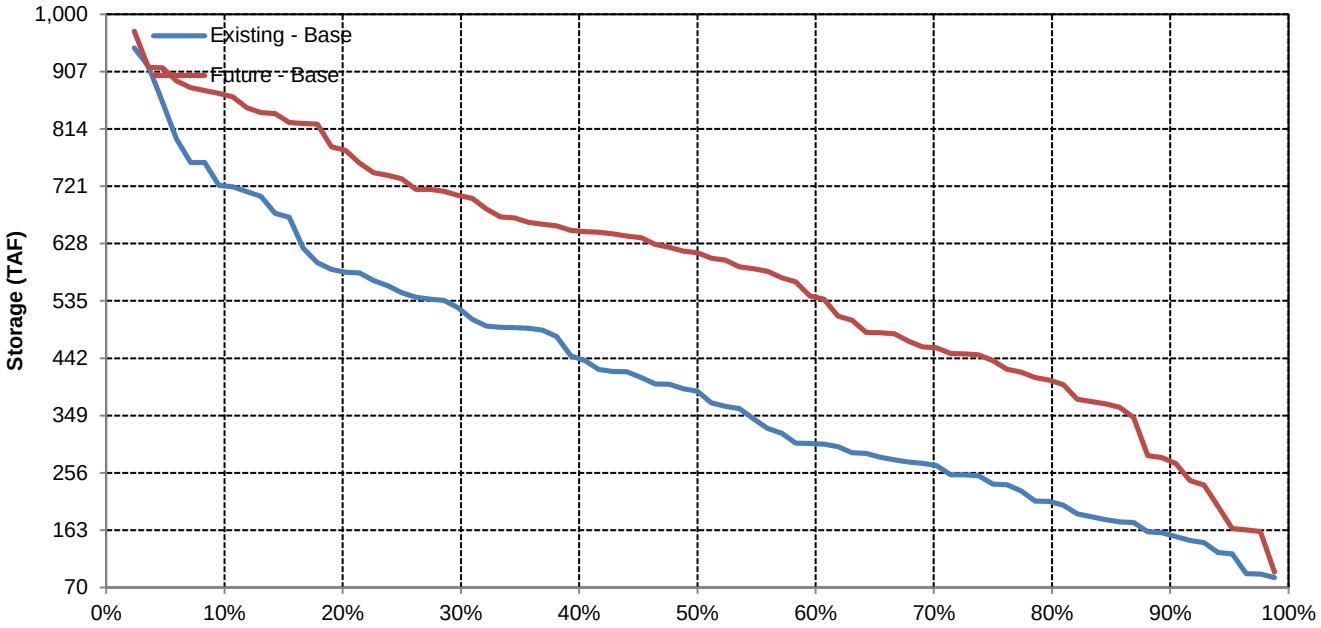


May

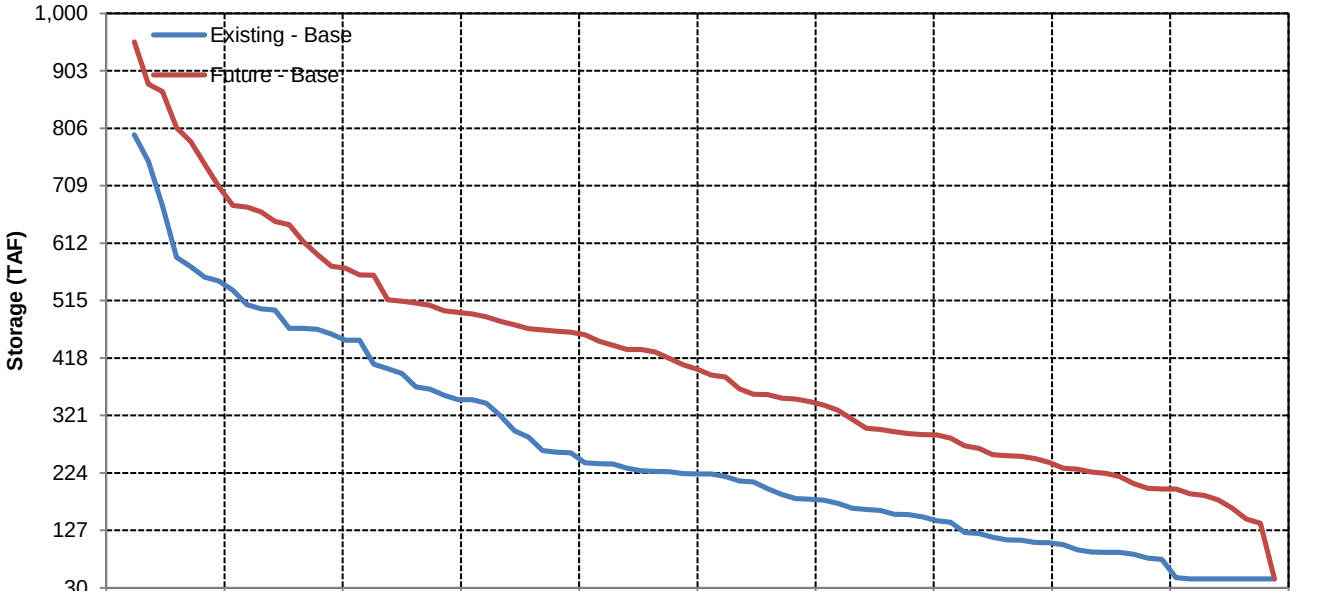


CVP San Luis Reservoir

June

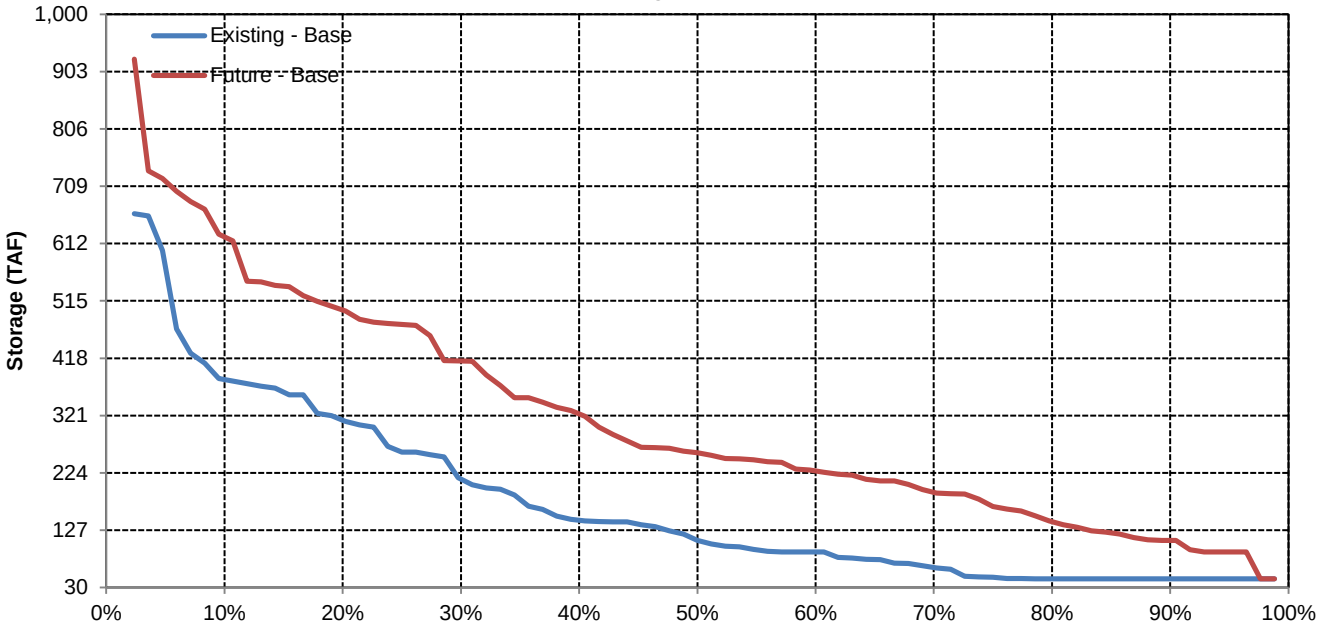


July

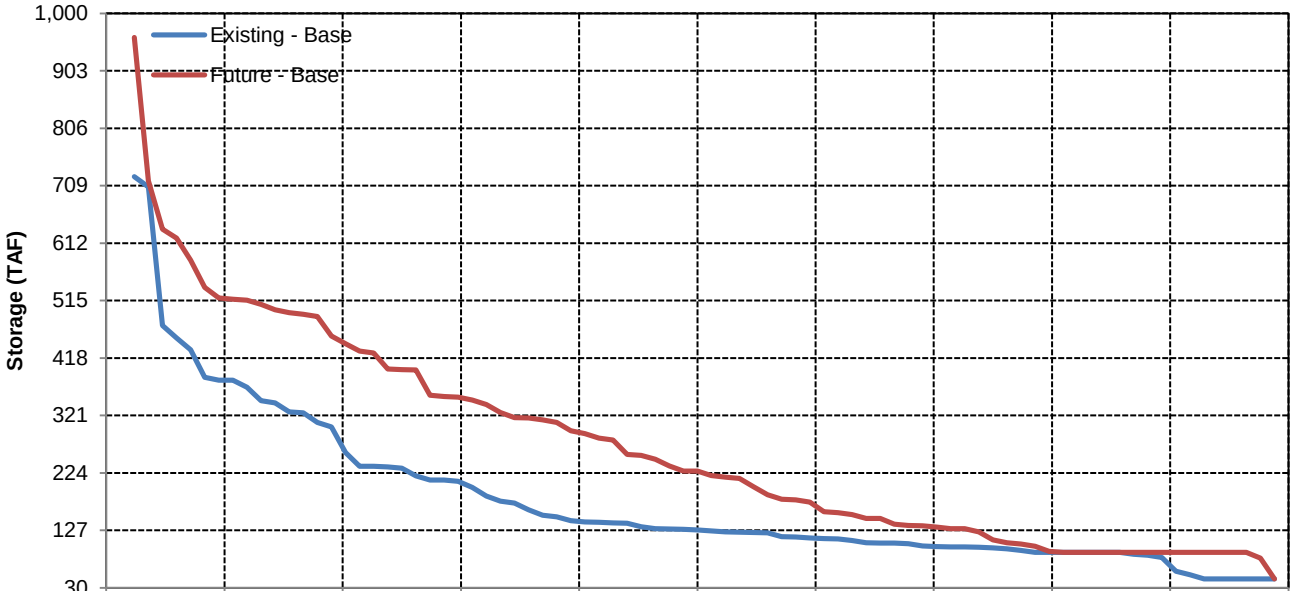


CVP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of SWP San Luis Reservoir Under Existing - Base and Future - Base

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Existing - Base	244	268	372	541	678	802	720	562	380	374	324	288
Future - Base	181	218	351	573	767	885	811	640	506	467	355	257
Difference	-63	-50	-21	32	89	83	91	79	126	93	31	-31
Percent Difference	-26%	-19%	-6%	6%	13%	10%	13%	14%	33%	25%	10%	-11%
						Water Year-Types						
Wet												
Existing - Base	272	333	431	651	850	980	865	667	471	448	428	363
Future - Base	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Difference	-69	-51	74	171	161	78	86	79	71	102	30	-43
Percent Difference	-26%	-15%	17%	26%	19%	8%	10%	12%	15%	23%	7%	-12%
Above Normal												
Existing - Base	259	253	386	576	716	886	757	532	307	308	323	276
Future - Base	154	177	288	602	890	1,035	904	639	536	533	415	285
Difference	-105	-76	-98	26	175	149	147	107	229	225	92	9
Percent Difference	-41%	-30%	-25%	4%	24%	17%	19%	20%	75%	73%	29%	3%
Below Normal												
Existing - Base	220	246	386	500	622	751	675	512	329	374	370	342
Future - Base	158	169	276	398	650	887	815	629	522	492	321	226
Difference	-61	-77	-110	-102	28	136	141	117	193	118	-49	-116
Percent Difference	-28%	-31%	-29%	-20%	4%	18%	21%	23%	59%	31%	-13%	-34%
Dry												
Existing - Base	209	219	300	450	552	670	620	509	348	358	229	234
Future - Base	169	206	304	453	620	767	724	597	504	425	286	210
Difference	-41	-13	4	3	68	97	104	88	156	67	57	-24
Percent Difference	-19%	-6%	1%	1%	12%	14%	17%	17%	45%	19%	25%	-10%
Critical												
Existing - Base	249	245	312	459	533	591	579	511	376	305	168	137
Future - Base	203	190	237	399	497	565	563	496	384	272	225	207
Difference	-46	-55	-74	-59	-35	-26	-16	-15	7	-33	57	70
Percent Difference	-18%	-23%	-24%	-13%	-7%	-4%	-3%	-3%	2%	-11%	34%	51%

SWP San Luis Reservoir

Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	454	566	739	973	1,067	1,067	956	791	630	652	562	423
20%	354	407	561	738	914	1,067	931	704	511	491	470	331
30%	313	356	473	654	833	954	863	657	444	447	402	321
40%	255	303	402	546	714	879	804	584	415	402	358	310
50%	218	224	321	495	686	844	737	527	355	358	309	310
60%	199	169	291	431	584	715	642	488	303	309	267	298
70%	163	109	225	389	528	656	584	450	261	255	201	242
80%	121	76	155	325	466	573	528	396	209	231	155	164
90%	55	55	80	262	364	509	458	352	163	166	114	104
Long Term												
Full Simulation Period	244	268	372	541	678	802	720	562	380	374	324	288
Water Year Types												
Wet	272	333	431	651	850	980	865	667	471	448	428	363
Above Normal	259	253	386	576	716	886	757	532	307	308	323	276
Below Normal	220	246	386	500	622	751	675	512	329	374	370	342
Dry	209	219	300	450	552	670	620	509	348	358	229	234
Critical	249	245	312	459	533	591	579	511	376	305	168	137

Future - Base

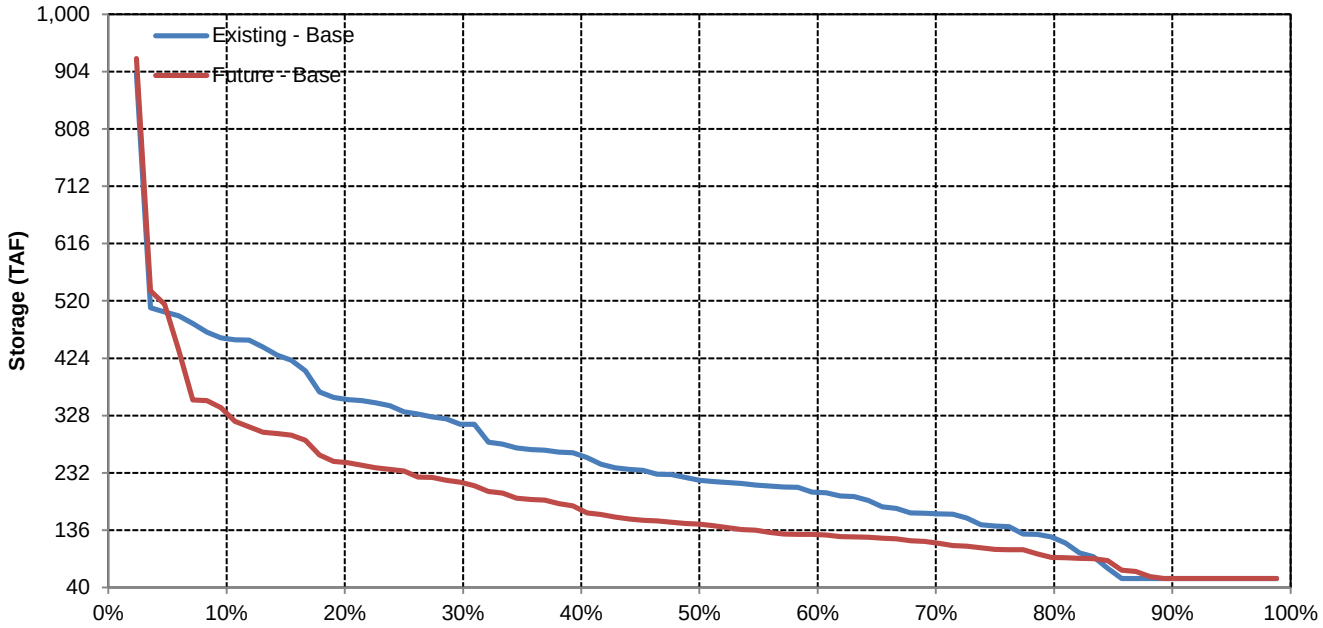
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	315	489	775	1,067	1,067	1,067	1,021	828	699	642	503	311
20%	247	327	590	954	1,067	1,067	959	755	649	601	410	291
30%	211	266	394	761	1,067	1,067	945	701	621	551	383	268
40%	165	235	339	664	984	1,067	921	680	601	539	371	243
50%	145	178	282	538	818	1,067	897	643	567	505	355	237
60%	128	94	223	455	664	944	869	621	492	462	333	225
70%	114	55	183	369	597	745	733	586	381	341	315	210
80%	90	55	116	243	482	636	621	505	332	279	229	196
90%	55	55	59	155	322	485	503	404	248	235	165	156
Long Term												
Full Simulation Period	181	218	351	573	767	885	811	640	506	467	355	257
Water Year Types												
Wet	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Above Normal	154	177	288	602	890	1,035	904	639	536	533	415	285
Below Normal	158	169	276	398	650	887	815	629	522	492	321	226
Dry	169	206	304	453	620	767	724	597	504	425	286	210
Critical	203	190	237	399	497	565	563	496	384	272	225	207

Future - Base Minus Existing - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-139	-76	36	94	0	0	66	37	69	-10	-59	-112
20%	-107	-80	29	215	153	0	29	51	138	110	-60	-40
30%	-103	-90	-78	107	234	113	82	44	177	104	-18	-52
40%	-91	-68	-63	118	270	188	117	96	186	137	13	-67
50%	-74	-46	-39	43	132	223	160	116	212	147	46	-73
60%	-71	-76	-68	24	80	229	227	133	189	154	66	-73
70%	-50	-54	-42	-20	70	89	150	136	120	86	115	-32
80%	-31	-21	-39	-83	16	62	93	110	123	49	74	32
90%	0	0	-21	-107	-42	-23	45	52	85	69	51	53
Long Term												
Full Simulation Period	-63	-50	-21	32	89	83	91	79	126	93	31	-31
Water Year Types												
Wet	-69	-51	74	171	161	78	86	79	71	102	30	-43
Above Normal	-105	-76	-98	26	175	149	147	107	229	225	92	9
Below Normal	-61	-77	-110	-102	28	136	141	117	193	118	-49	-116
Dry	-41	-13	4	3	68	97	104	88	156	67	57	-24
Critical	-46	-55	-74	-59	-35	-26	-16	-15	7	-33	57	70

SWP San Luis Reservoir

October



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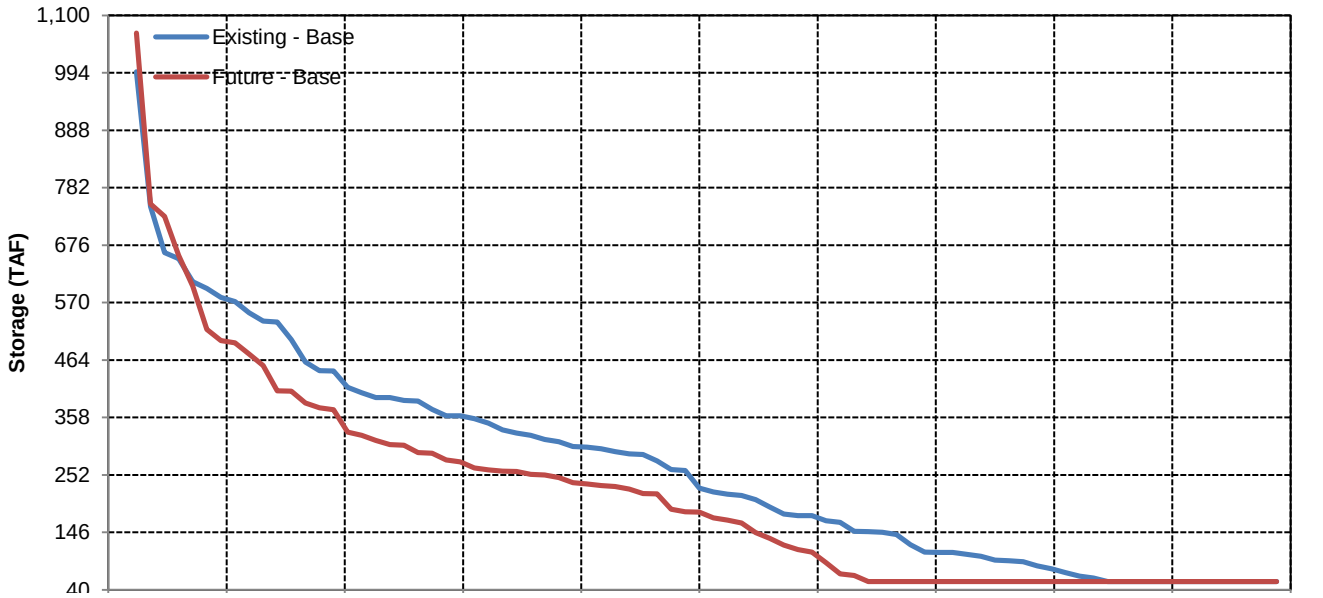
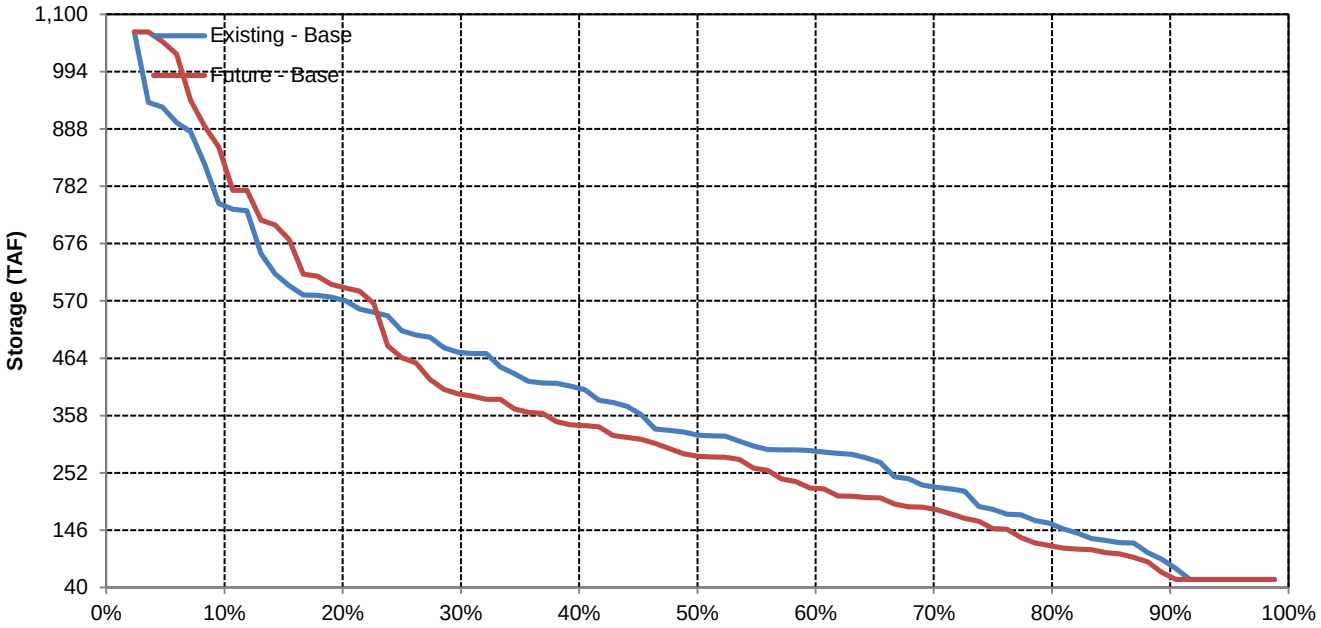


SWP San Luis Reservoir

December



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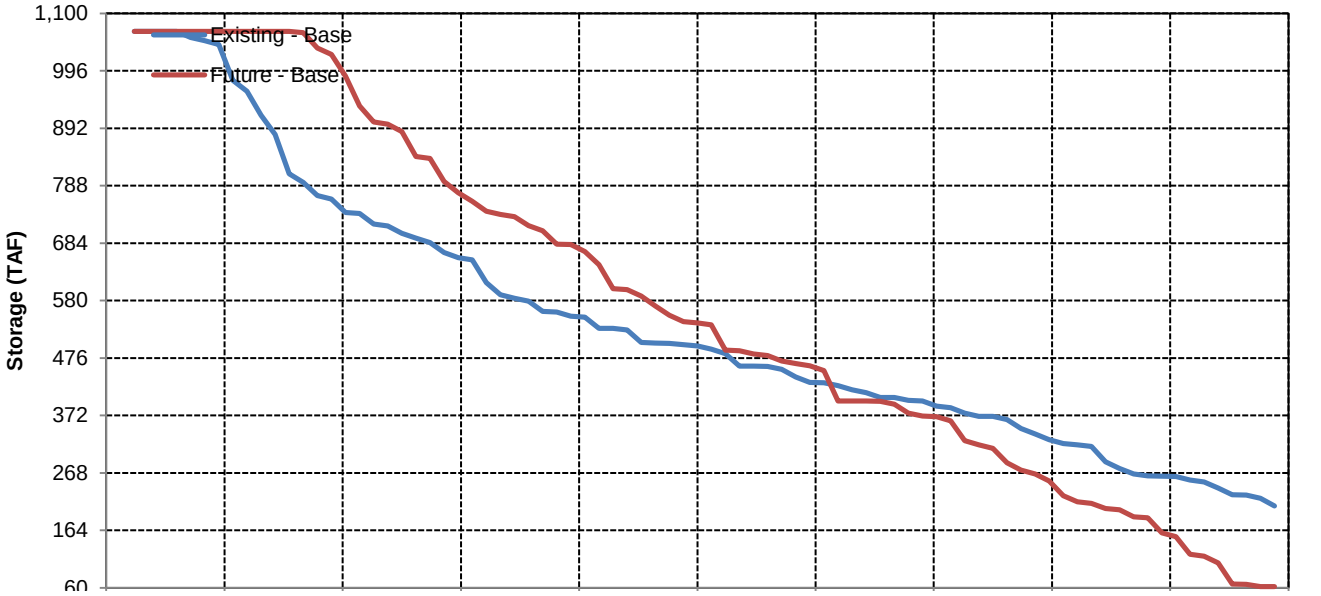
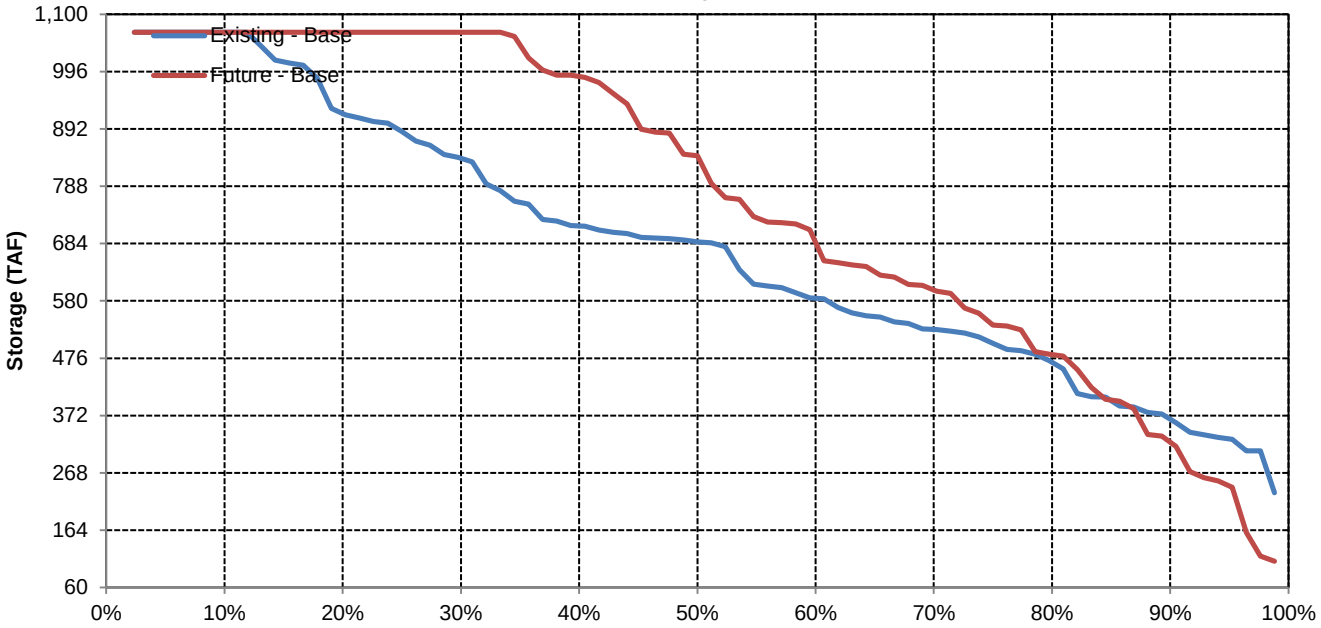


SWP San Luis Reservoir

February



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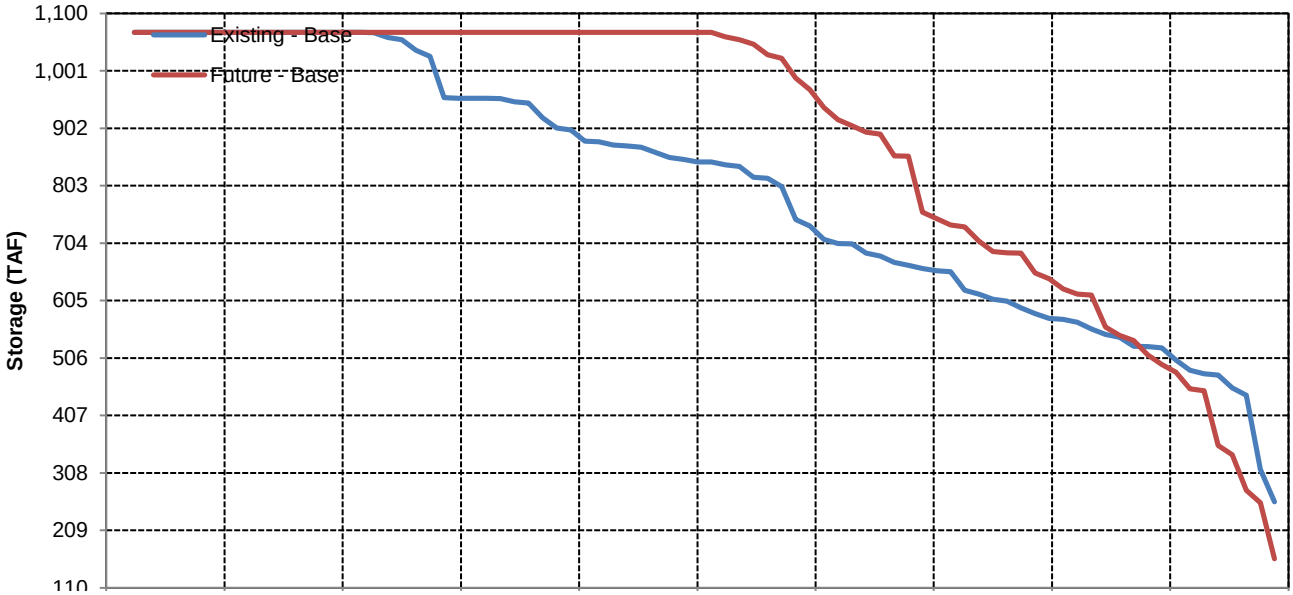
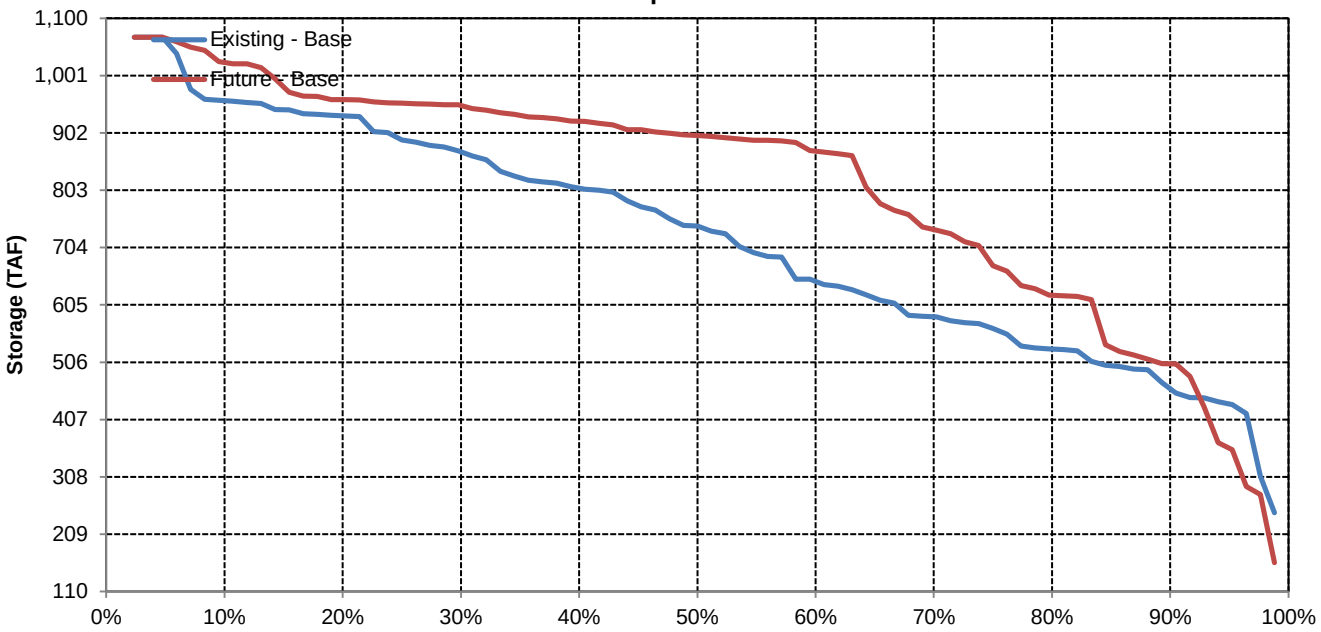


SWP San Luis Reservoir

April



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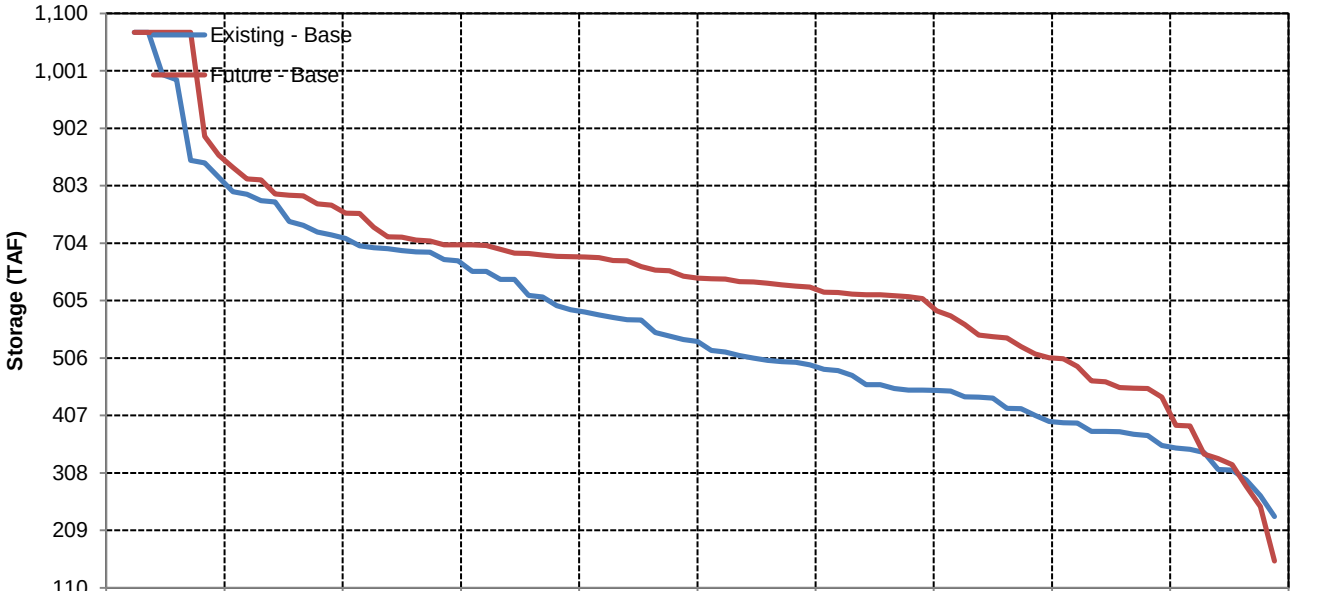
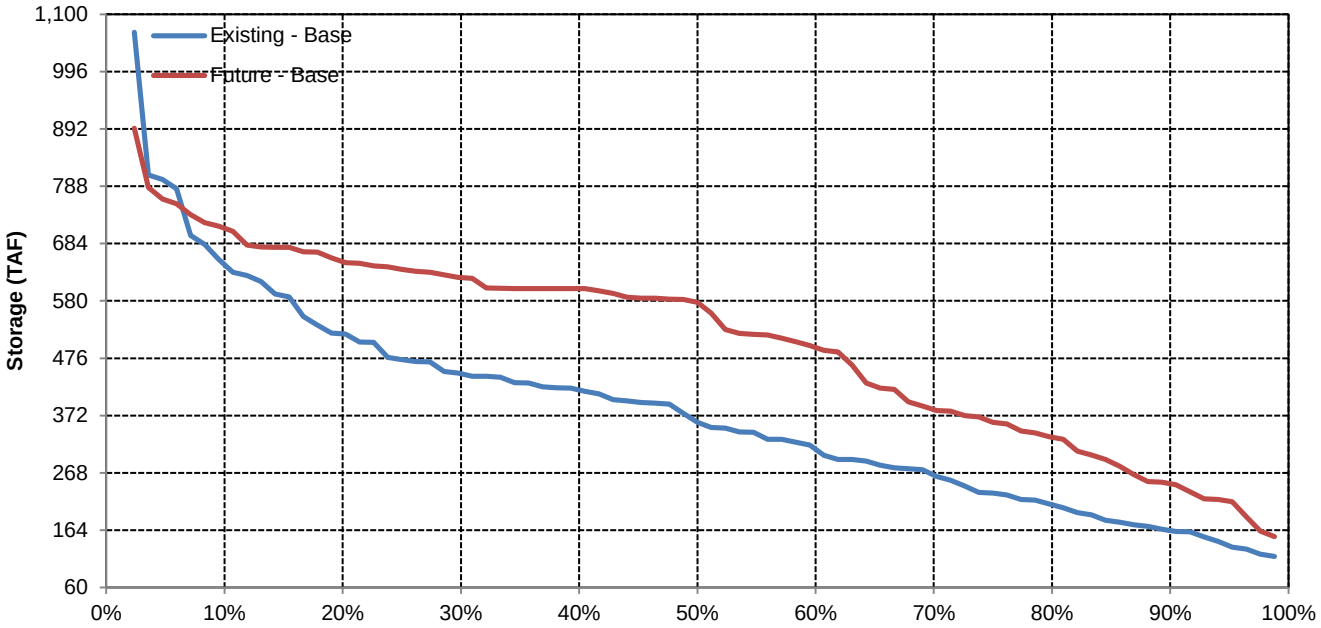
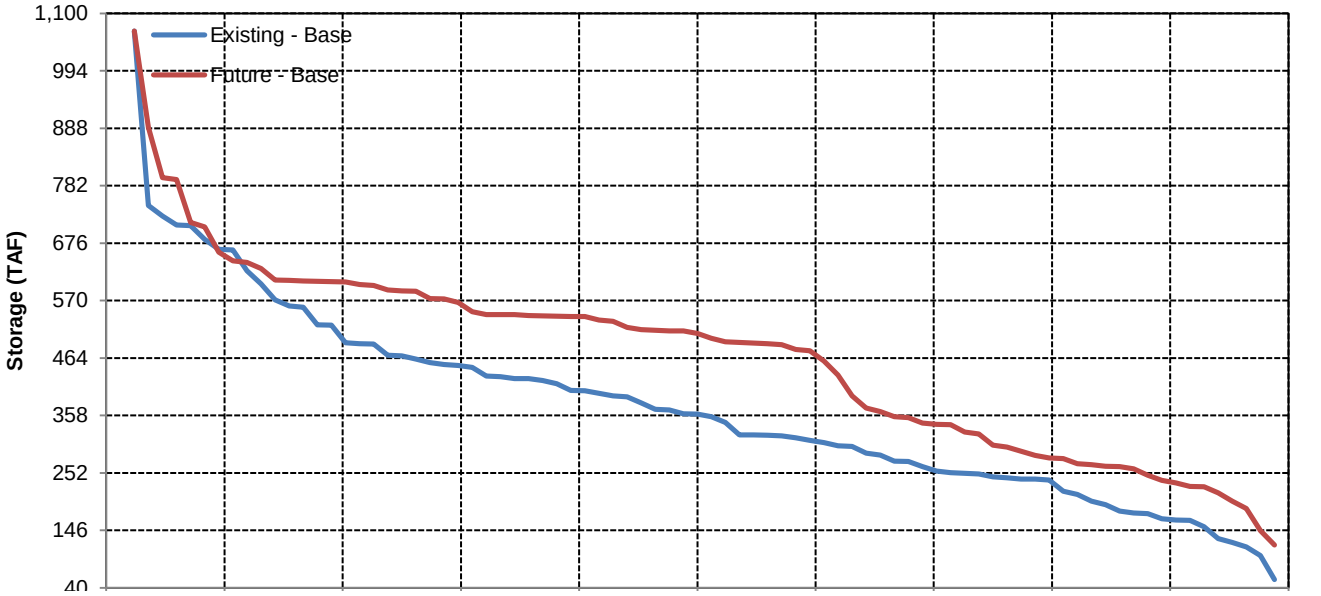


SWP San Luis Reservoir

June

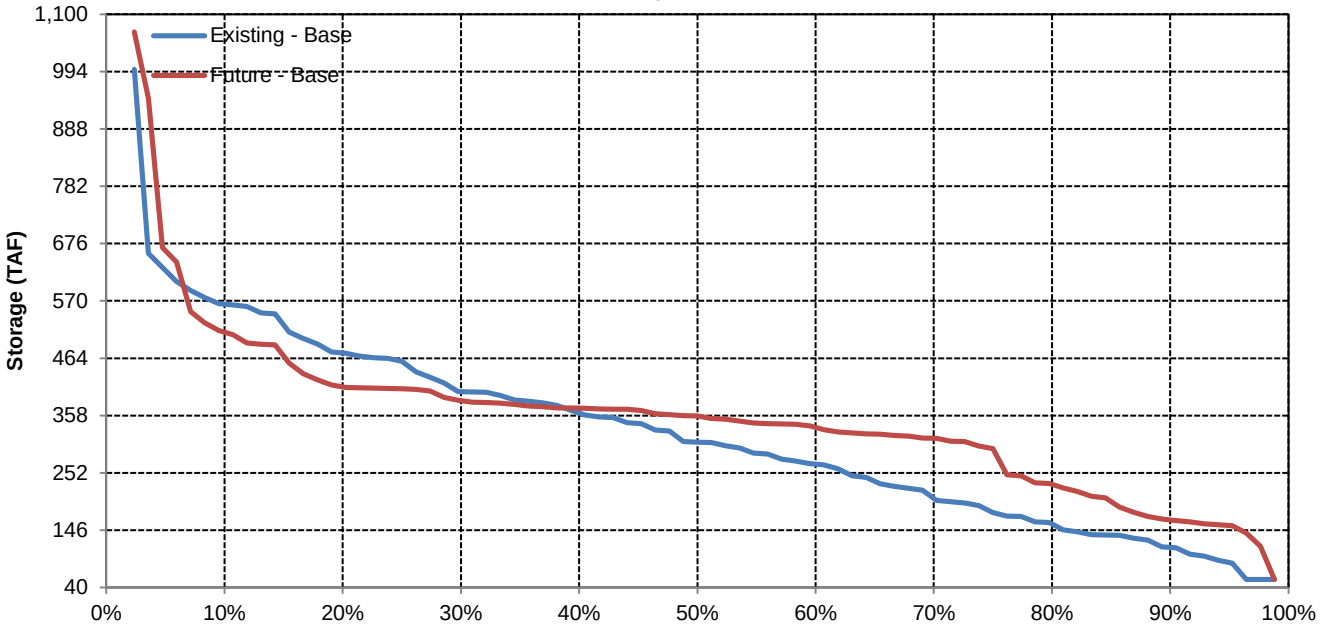


July

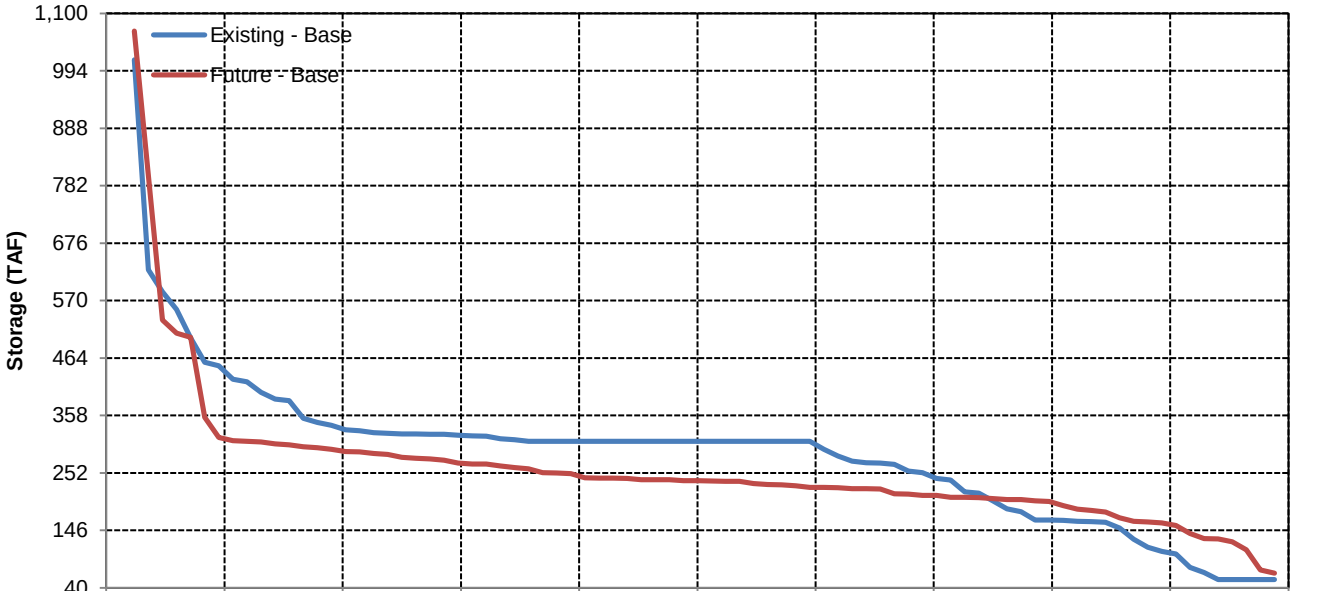


SWP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of Delta Outflow Under Existing - Base and Future - Base

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Existing - Base	6,909	11,530	25,386	48,782	63,791	48,782	30,013	16,104	7,983	8,482	4,062	9,331	16,820
Future - Base	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294	17,604
Difference	1,500	-1,431	-498	6,115	6,258	3,718	-953	-1,925	622	-1,326	212	963	784
Percent Difference	22%	-12%	-2%	13%	10%	8%	-3%	-12%	8%	-16%	5%	10%	5%
							Water Year-Types						
Wet													
Existing - Base	9,275	19,272	57,556	101,579	121,325	88,381	55,563	26,753	10,584	11,022	4,128	19,366	31,372
Future - Base	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635	32,826
Difference	266	-4,184	-3,910	14,405	10,578	13,620	-2,283	-5,678	701	-1,314	-128	2,269	1,454
Percent Difference	3%	-22%	-7%	14%	9%	15%	-4%	-21%	7%	-12%	-3%	12%	5%
Above Normal													
Existing - Base	6,741	9,314	21,144	55,453	70,727	61,417	29,722	17,425	7,395	11,464	4,017	11,133	18,336
Future - Base	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224	19,718
Difference	2,294	-461	-4,851	4,232	31,678	-4,205	-2,719	-1,596	1,185	-2,565	-17	2,092	1,382
Percent Difference	34%	-5%	-23%	8%	45%	-7%	-9%	-9%	16%	-22%	0%	19%	8%
Below Normal													
Existing - Base	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,328	6,819	8,808	4,050	3,469	10,847
Future - Base	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000	10,623
Difference	1,934	-591	3,695	4,513	-8,566	-1,912	-1,276	-355	786	-2,153	88	-469	-224
Percent Difference	30%	-6%	37%	19%	-21%	-6%	-5%	-3%	12%	-24%	2%	-14%	-2%
Dry													
Existing - Base	5,825	7,923	8,608	15,426	29,458	22,607	13,161	8,982	7,006	5,274	4,137	3,269	7,873
Future - Base	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000	8,395
Difference	1,786	-32	1,527	475	-7	1,715	1,978	879	152	-274	648	-269	522
Percent Difference	31%	0%	18%	3%	0%	8%	15%	10%	2%	-5%	16%	-8%	7%
Critical													
Existing - Base	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,889	3,010	5,383
Future - Base	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092	5,600
Difference	2,521	155	432	-6	-571	-434	230	203	214	143	527	81	217
Percent Difference	61%	3%	7%	0%	-3%	-3%	3%	3%	3%	4%	14%	3%	4%

Delta Outflow

Existing - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,977	15,194	83,333	120,592	161,827	97,068	71,454	33,132	11,137	13,270	4,309	19,688
20%	9,531	14,688	37,738	76,978	107,377	74,847	46,407	23,720	7,991	11,709	4,155	19,375
30%	9,094	12,769	20,214	55,546	76,161	60,341	32,656	15,272	7,100	10,714	4,001	17,813
40%	6,875	10,418	14,342	38,012	58,777	38,477	22,321	12,858	7,100	9,084	4,000	10,938
50%	4,346	9,766	11,487	26,488	41,867	31,169	18,044	11,426	7,100	8,603	4,000	3,914
60%	4,000	6,253	6,752	19,211	28,692	22,356	14,643	10,166	6,905	8,000	4,000	3,569
70%	4,000	4,500	5,009	13,355	21,621	17,008	12,821	9,402	6,688	5,591	4,000	3,000
80%	4,000	4,500	4,670	10,293	17,232	14,703	11,016	7,597	6,187	5,000	4,000	3,000
90%	3,000	3,500	4,500	7,972	12,426	10,776	9,604	6,918	5,655	4,000	3,791	3,000
Long Term												
Full Simulation Period	6,909	11,530	25,386	48,782	63,791	48,782	30,013	16,104	7,983	8,482	4,062	9,331
Water Year Types												
Wet	9,275	19,272	57,556	101,579	121,325	88,381	55,563	26,753	10,584	11,022	4,128	19,366
Above Normal	6,741	9,314	21,144	55,453	70,727	61,417	29,722	17,425	7,395	11,464	4,017	11,133
Below Normal	6,527	9,662	10,110	23,902	40,103	31,158	23,270	13,328	6,819	8,808	4,050	3,469
Dry	5,825	7,923	8,608	15,426	29,458	22,607	13,161	8,982	7,006	5,274	4,137	3,269
Critical	4,133	5,072	6,622	11,837	16,327	13,519	9,101	6,026	6,104	4,027	3,889	3,010

Future - Base

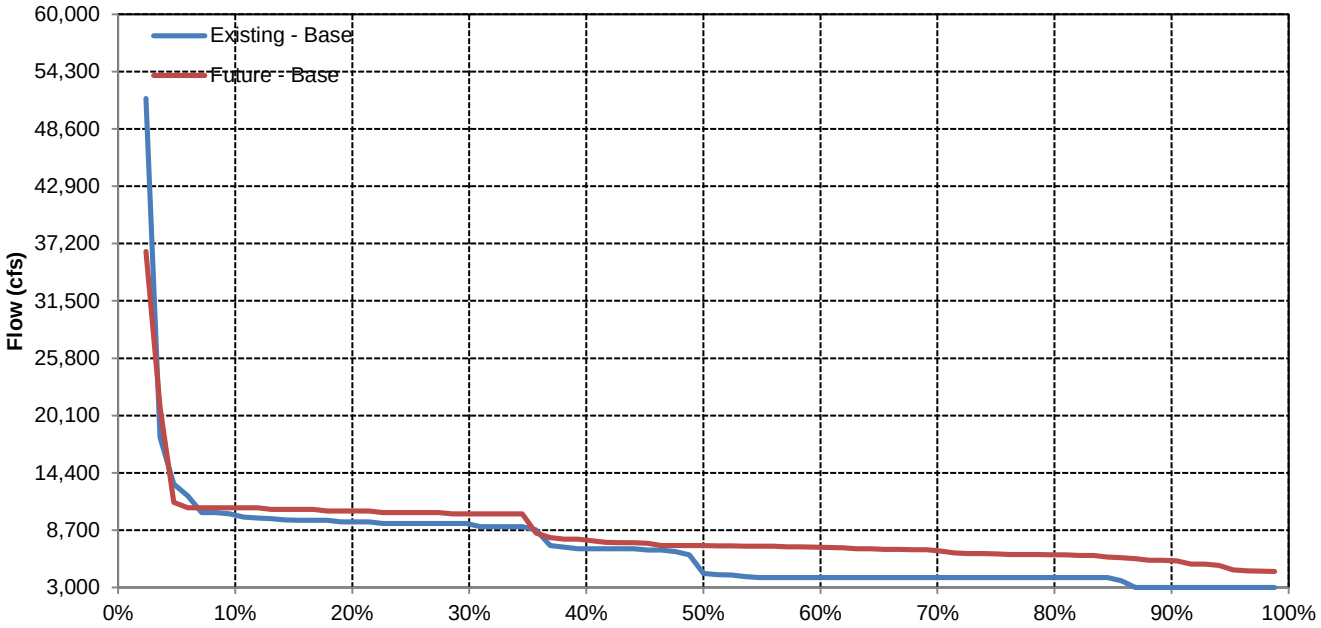
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,938	15,863	79,058	151,208	180,010	107,880	70,644	27,159	11,545	10,516	4,885	21,875
20%	10,625	14,764	33,428	92,252	125,923	89,027	38,581	18,353	10,462	9,612	4,709	21,563
30%	10,313	11,693	17,489	56,706	77,981	62,254	28,814	14,204	8,749	9,048	4,349	20,938
40%	7,625	11,004	14,366	33,893	58,622	40,886	20,594	12,808	8,409	8,000	4,217	13,062
50%	7,160	8,104	11,802	26,142	43,165	27,471	17,579	11,253	7,899	6,666	4,000	3,000
60%	6,994	4,500	8,257	19,228	24,986	20,728	15,558	10,174	7,418	6,500	4,000	3,000
70%	6,613	4,500	5,323	14,908	20,687	17,661	13,640	9,584	7,100	5,000	4,000	3,000
80%	6,259	4,500	4,500	13,125	16,723	14,481	11,153	8,460	7,100	5,000	4,000	3,000
90%	5,678	3,500	4,500	8,401	12,239	11,400	10,016	7,100	6,799	4,065	4,000	3,000
Long Term												
Full Simulation Period	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294
Water Year Types												
Wet	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635
Above Normal	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224
Below Normal	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000
Dry	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000
Critical	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092

Future - Base Minus Existing - Base

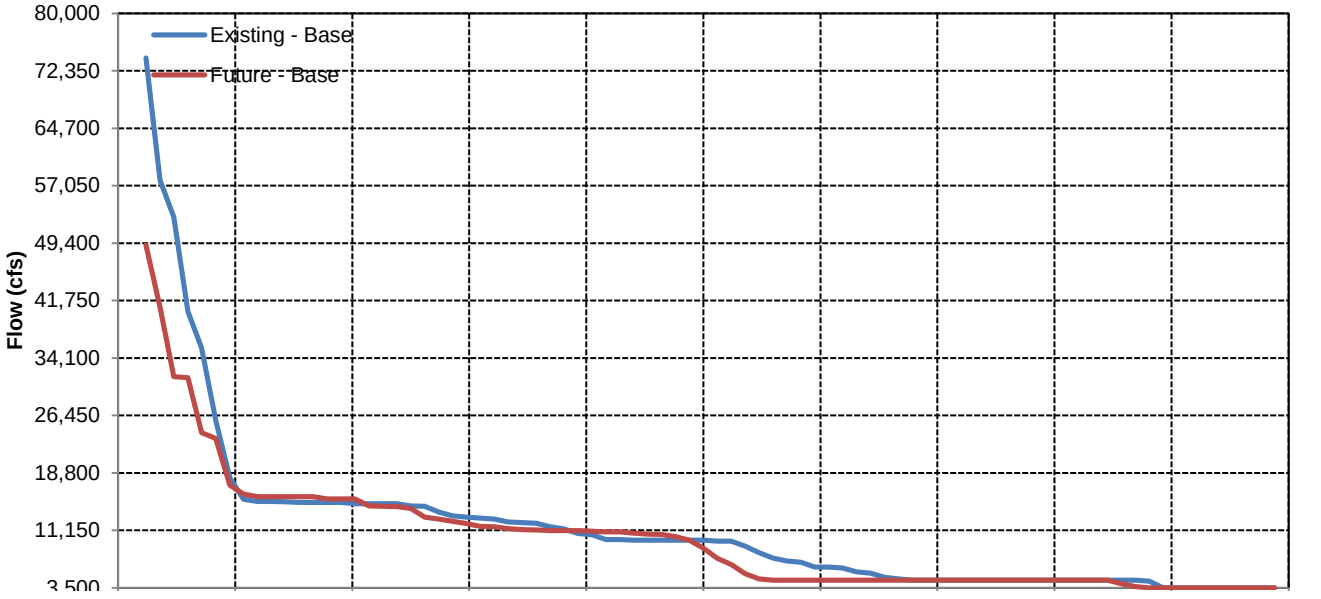
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	961	669	-4,275	30,616	18,183	10,812	-811	-5,973	408	-2,755	576	2,188
20%	1,094	76	-4,310	15,274	18,546	14,180	-7,826	-5,367	2,471	-2,096	553	2,188
30%	1,219	-1,076	-2,725	1,160	1,819	1,912	-3,842	-1,068	1,649	-1,667	348	3,125
40%	750	586	24	-4,119	-154	2,409	-1,727	-50	1,309	-1,084	217	2,125
50%	2,814	-1,662	316	-346	1,298	-3,699	-465	-173	799	-1,937	0	-914
60%	2,994	-1,753	1,504	17	-3,706	-1,628	915	8	514	-1,500	0	-569
70%	2,613	0	314	1,553	-934	654	819	182	412	-591	0	0
80%	2,259	0	-170	2,832	-510	-221	137	862	913	0	0	0
90%	2,678	0	0	429	-187	624	412	182	1,144	65	209	0
Long Term												
Full Simulation Period	1,500	-1,431	-498	6,115	6,258	3,718	-953	-1,925	622	-1,326	212	963
Water Year Types												
Wet	266	-4,184	-3,910	14,405	10,578	13,620	-2,283	-5,678	701	-1,314	-128	2,269
Above Normal	2,294	-461	-4,851	4,232	31,678	-4,205	-2,719	-1,596	1,185	-2,565	-17	2,092
Below Normal	1,934	-591	3,695	4,513	-8,566	-1,912	-1,276	-355	786	-2,153	88	-469
Dry	1,786	-32	1,527	475	-7	1,715	1,978	879	152	-274	648	-269
Critical	2,521	155	432	-6	-571	-434	230	203	214	143	527	81

Delta Outflow

October

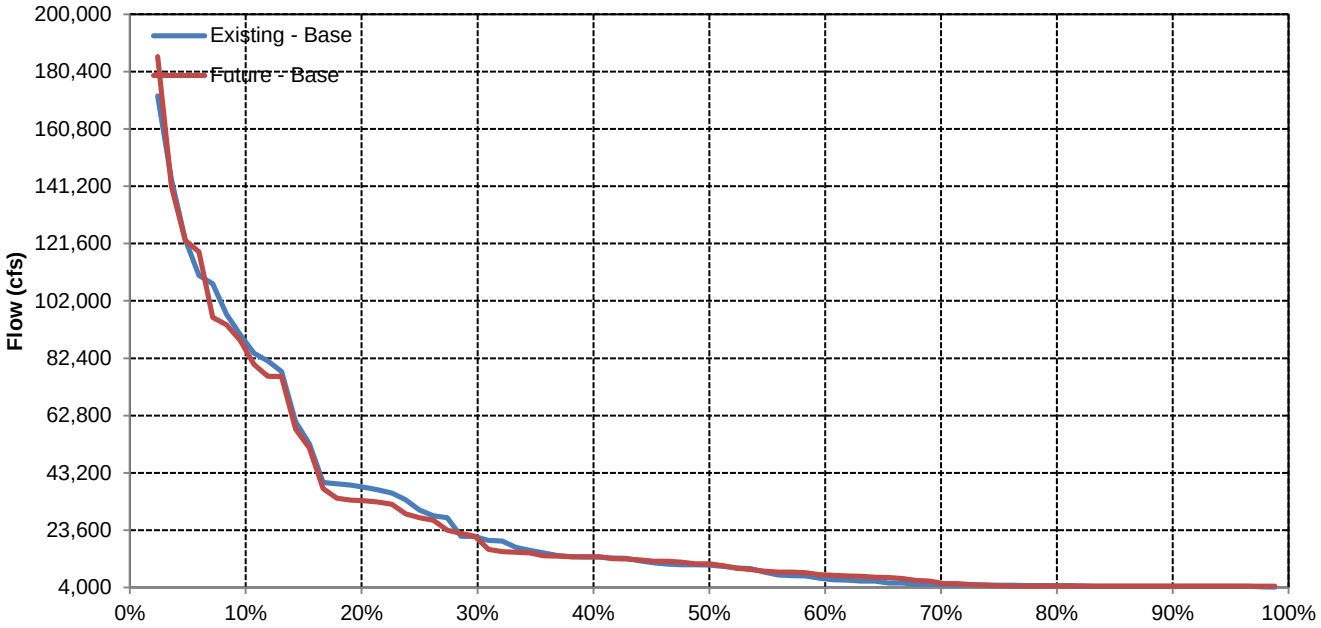


November



Delta Outflow

December



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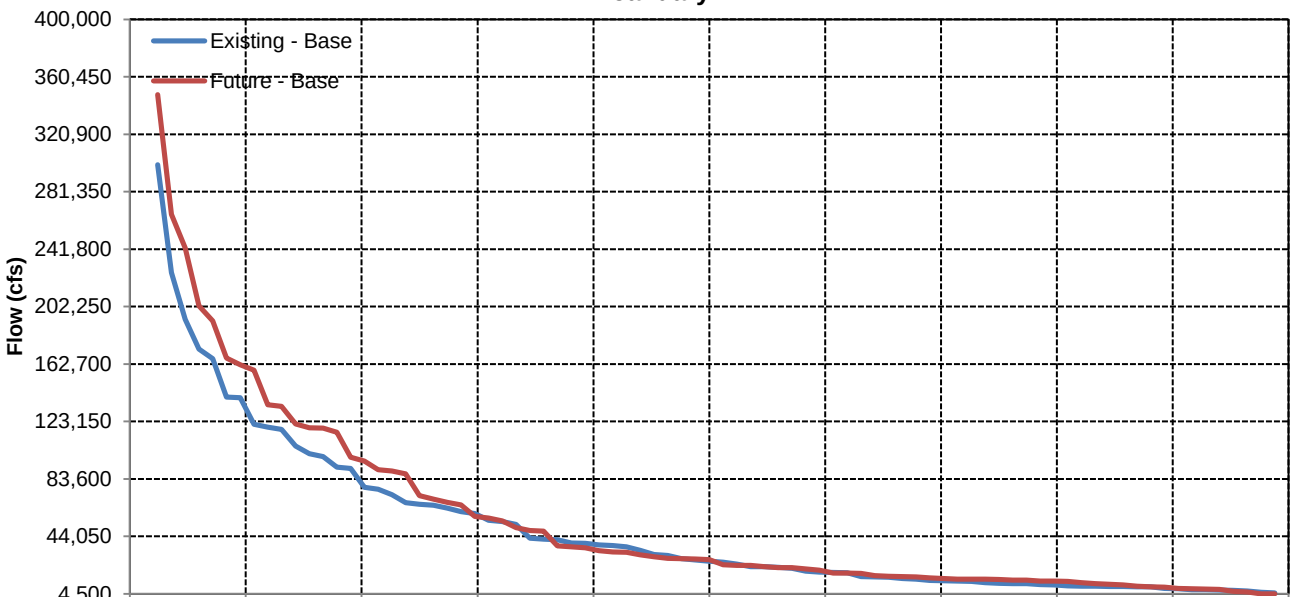
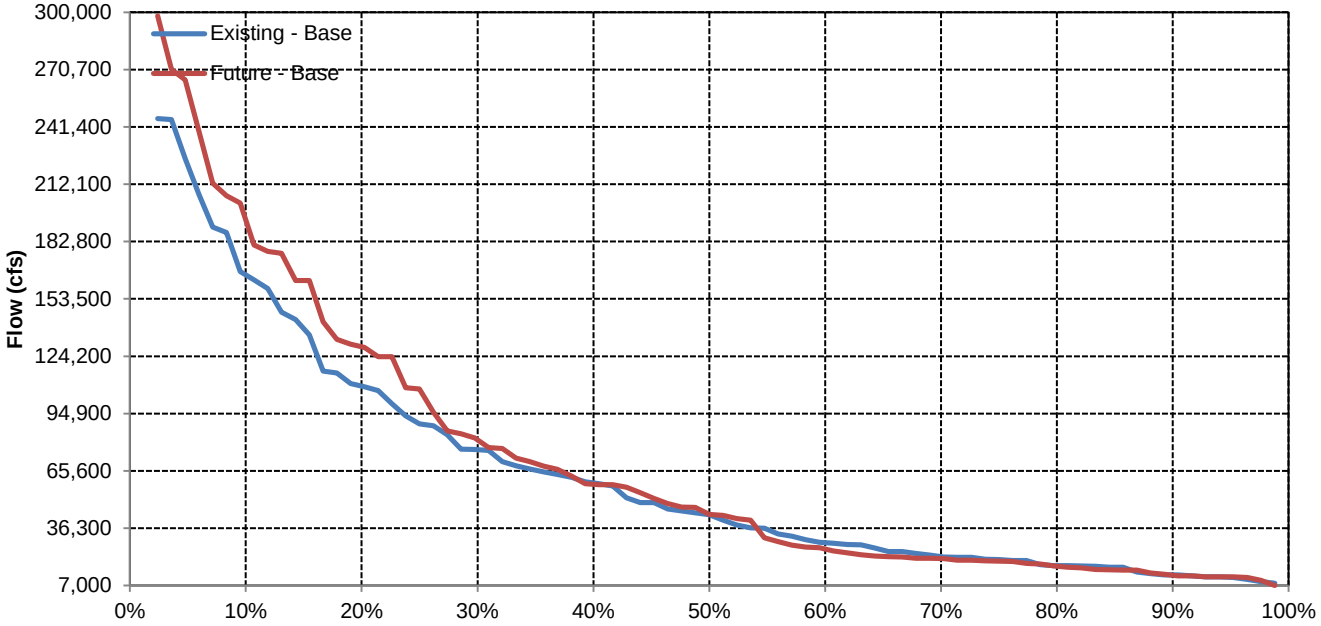
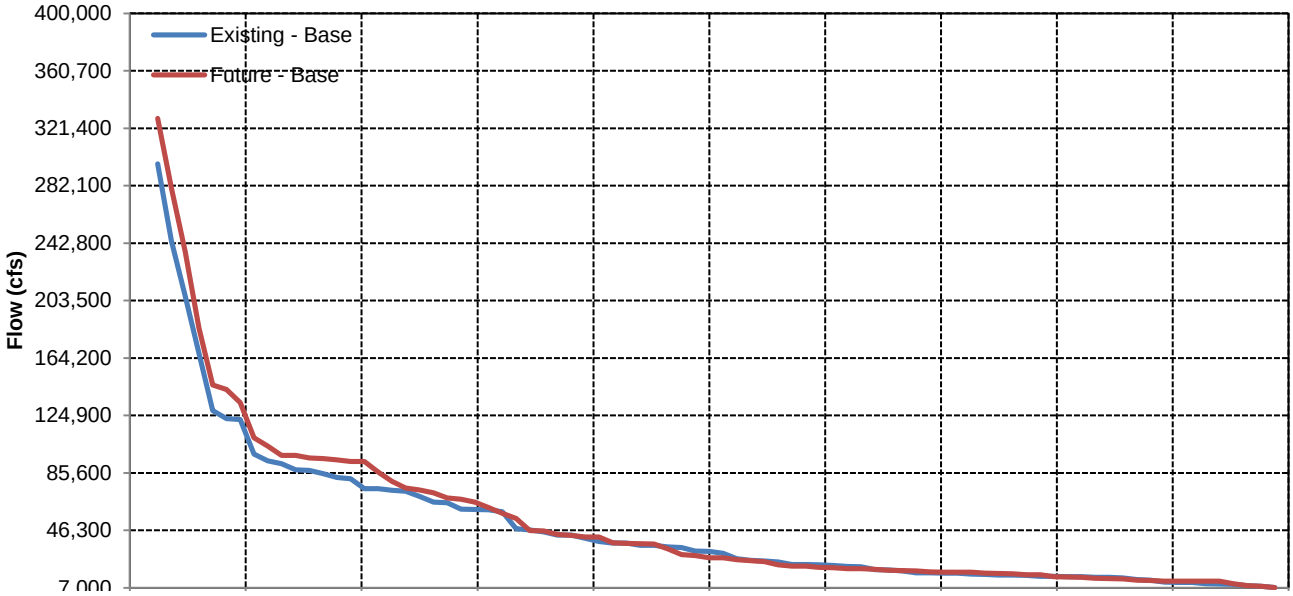


Delta Outflow

February

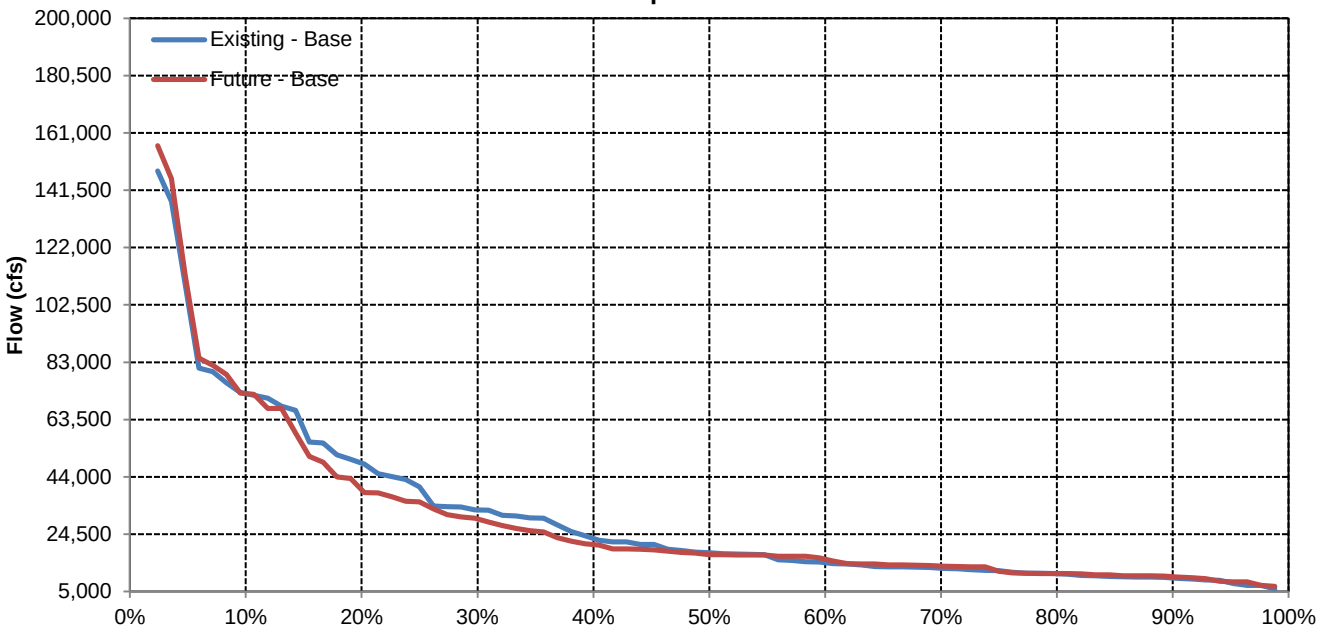


March

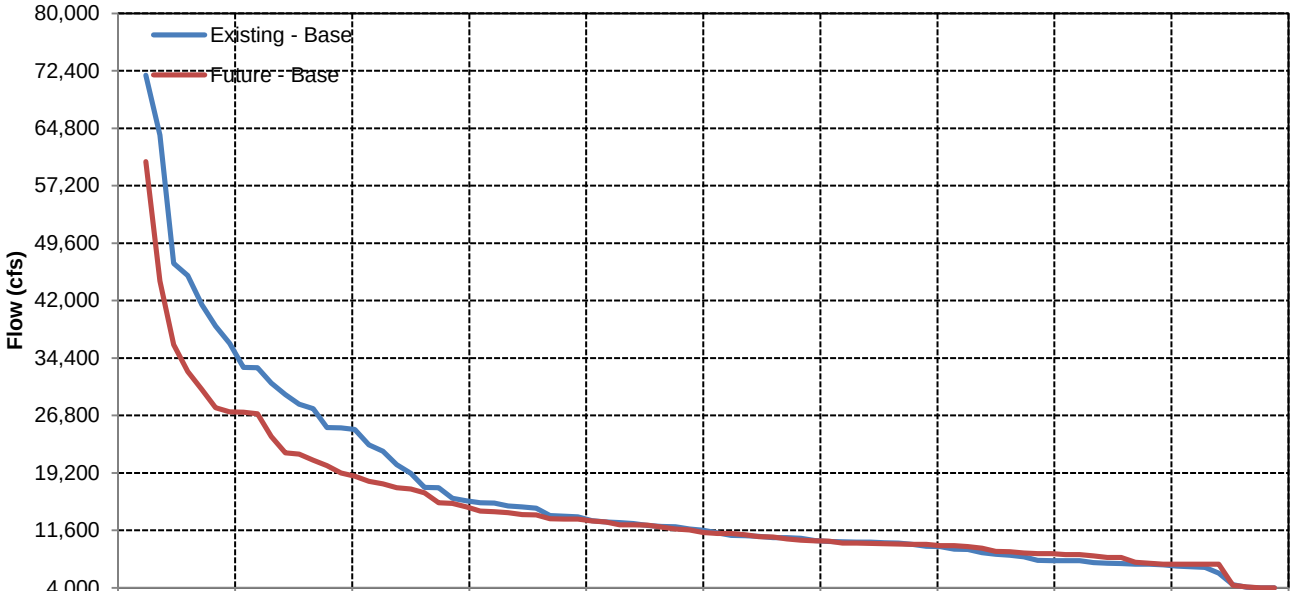


Delta Outflow

April

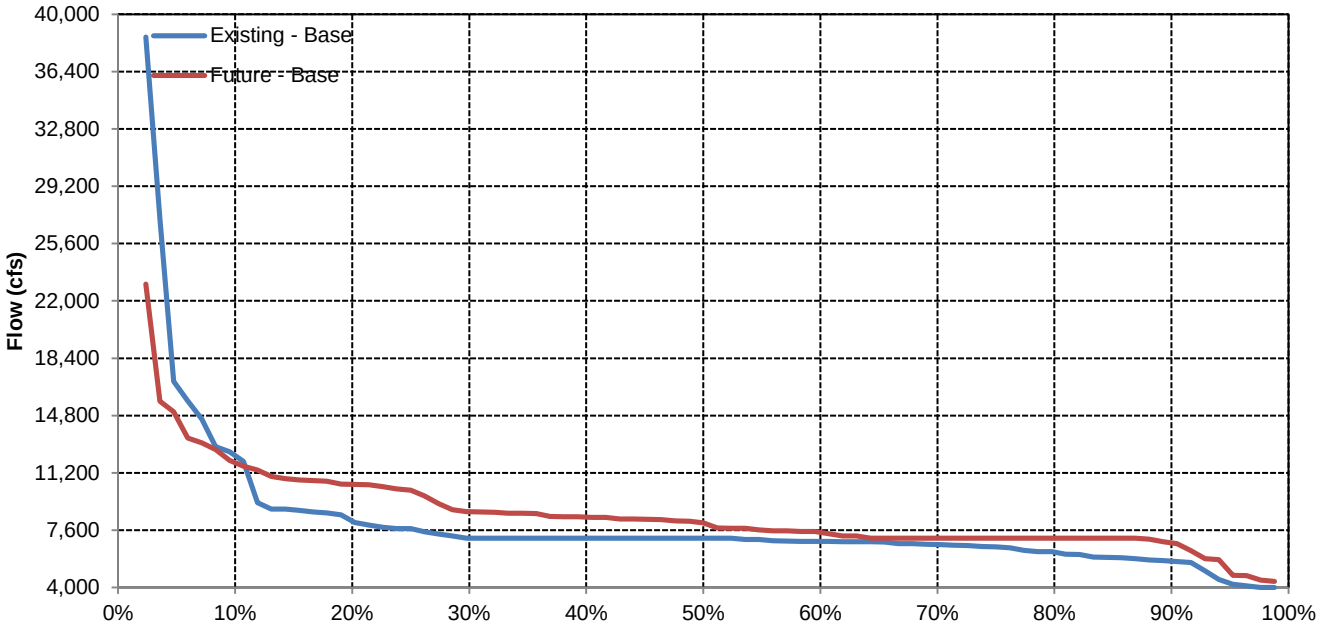


May

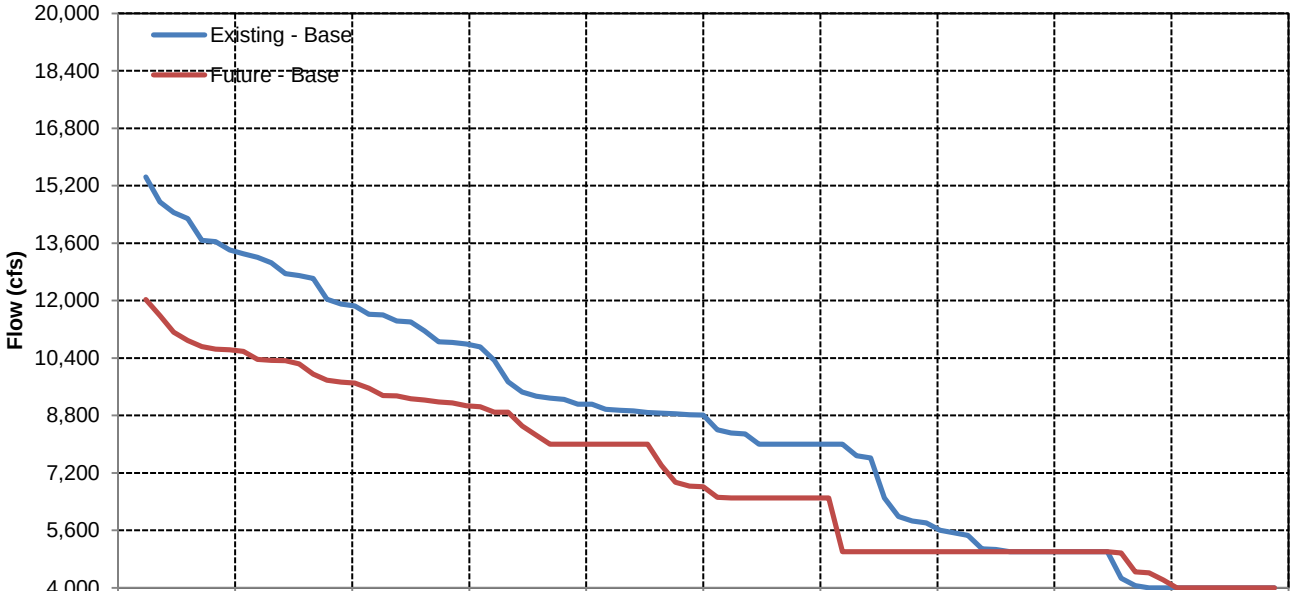


Delta Outflow

June

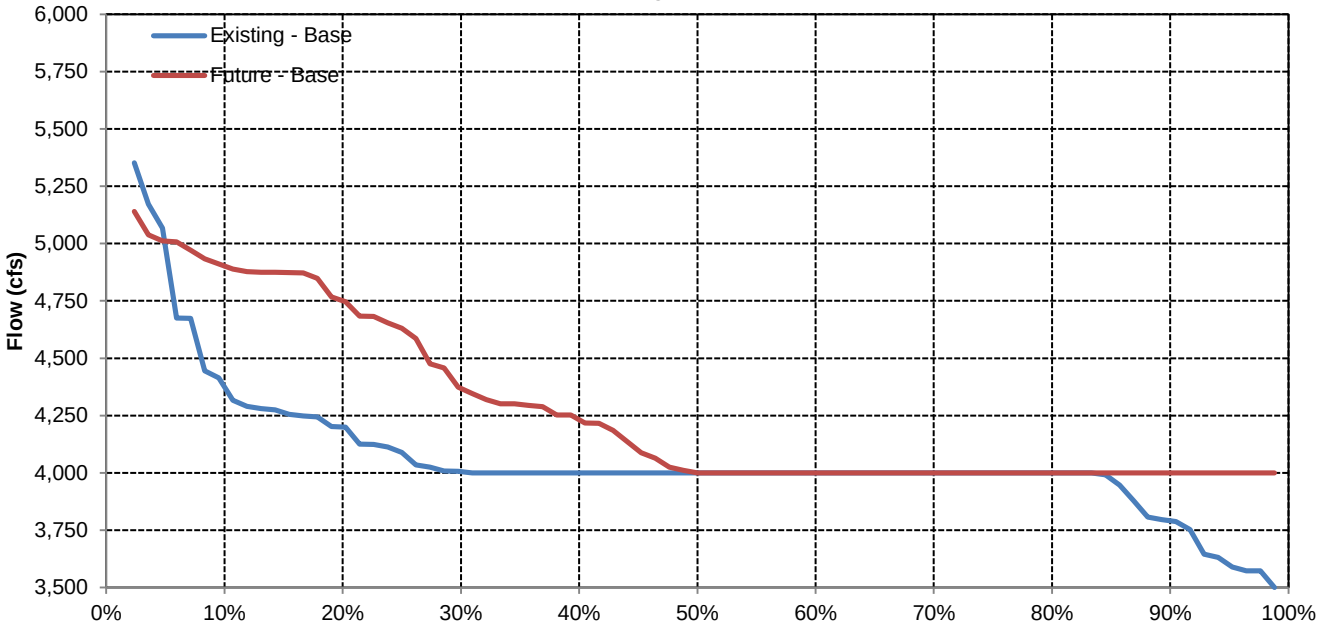


July



Delta Outflow

August



September

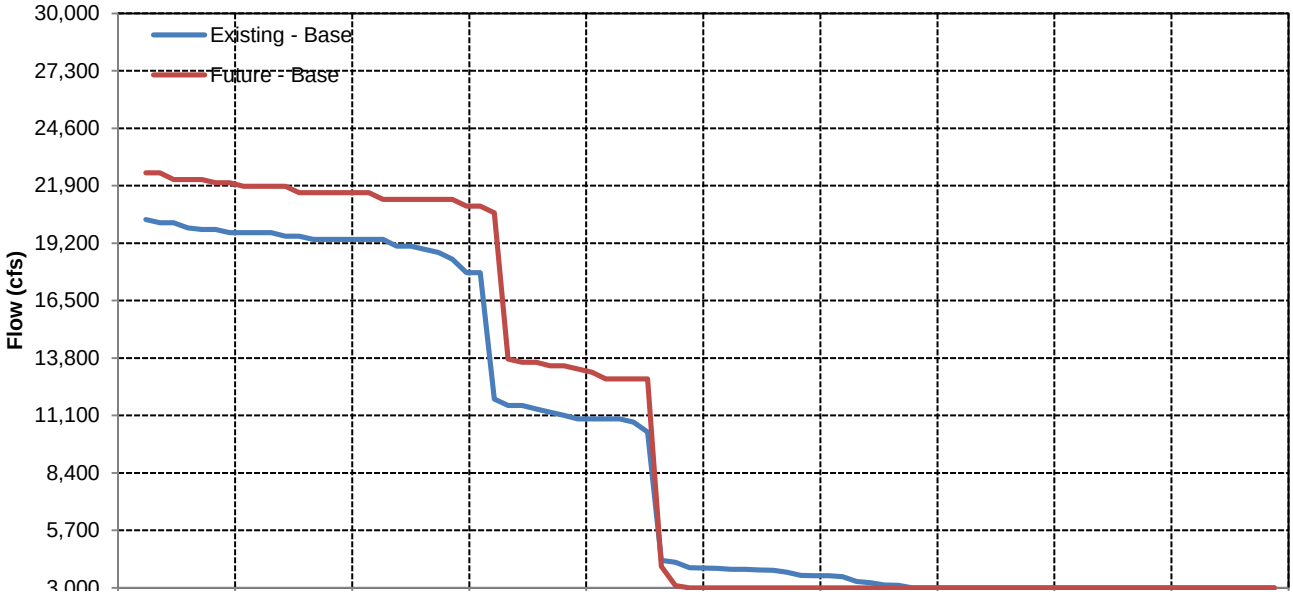


Table 185 Existing Condtions-No Action Alternative

Winter-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	November through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%		-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9		
			Freeport		10	Lower 40%		-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9		
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years		0.0	0.0	0.0	0.0	0.0	21.2	2.5	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	16.4	-1.7	0.0		
			Freeport	64		All Years		0.0	0.0	0.0	0.0	0.0	11.6	3.3	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0		
Juvenile Rearing and Downstream Movement*	July through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1				-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1				-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	29.3	0.0	0.0	0.0	0.0	0.2				0.0	0.0	0.0
				65		All Years	15.6	0.0	0.0	0.0	0.0	0.0				0.0	0.0	5.5
			Freeport	61		All Years	23.6	0.0	0.0	0.0	0.0	0.2				0.0	0.0	0.0
				65		All Years	21.4	0.0	0.0	0.0	0.0	0.0				0.0	0.0	1.2

Table 186 Existing Condtions-No Action Alternative

Spring-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	March through September	Mean Monthly Flow (cfs)	Verona		10	Lower 40%						9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
			Freeport		10	Lower 40%						9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years						0.0	21.2	2.5	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	16.4	-1.7	0.0	0.0	23.7
			Freeport	64		All Years						0.0	11.6	3.3	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	21.4	0.0	0.0	0.0	14.0
Juvenile Rearing (and Downstream Movement)	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	29.3	0.0	0.0	0.0	0.0	0.2	17.1	0.0	0.0	0.0	0.0	0.0
				65		All Years	15.6	0.0	0.0	0.0	0.0	0.0	12.8	6.7	0.0	0.0	0.0	5.5
Smolt Emigration	October through May	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0				
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0				
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63		All Years	29.6	0.0	0.0	0.0	0.0	0.0	14.6	1.7				
				68		All Years	2.6	0.0	0.0	0.0	0.0	0.0	0.0	16.4				
			Freeport	63		All Years	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1				
				68		All Years	3.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4				

Table 187 Existing Condtions-No Action Alternative

Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	July through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0							-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0							-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	26.9	0.0	0.0							0.0	0.0	0.0
				68		All Years	2.6	0.0	0.0							0.0	0.0	23.7
			Freeport	64		All Years	31.7	0.0	0.0							0.0	0.0	0.0
				68		All Years	3.0	0.0	0.0							0.0	0.0	14.0
Juvenile Rearing and Downstream Movement	December through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%			-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9		
			Freeport		10	Lower 40%			0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years			0.0	0.0	0.0	0.2	16.7	0.0	0.0	0.0		
				65		All Years			0.0	0.0	0.0	0.0	14.8	4.3	0.0	0.0		

Table 188 Existing Condtions-No Action Alternative

Late Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	October through April	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0					
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0					
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	26.9	0.0	0.0	0.0	0.0	0.0	21.2					
				68		All Years	2.6	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport	64		All Years	31.7	0.0	0.0	0.0	0.0	0.0	11.6					
				68		All Years	3.0	0.0	0.0	0.0	0.0	0.0	0.0					
Juvenile Rearing and Downstream Movement	April through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0				0.0	-3.0	21.2	-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0				3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	23.6	0.0	0.0				16.7	0.0	0.0	0.0	0.0	0.0
				65		All Years	21.4	0.0	0.0				14.8	4.3	0.0	0.0	0.0	1.2

Table 189 Existing Condtions-No Action Alternative

Steelhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	August through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1					30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1					24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	26.9	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	2.6	0.0	0.0	0.0	0.0	0.0					0.0	23.7
			Freeport	64		All Years	31.7	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	3.0	0.0	0.0	0.0	0.0	0.0					0.0	14.0
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
		Mean Monthly Water Temperature (°F)	Feather River Confluence	65		All Years	15.6	0.0	0.0	0.0	0.0	0.0	12.8	6.7	0.0	0.0	0.0	5.5
				68		All Years	2.6	0.0	0.0	0.0	0.0	0.0	0.0	16.4	-1.7	0.0	0.0	23.7
Smolt Emigration	January through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%				0.0	-3.0	9.1	0.0	-3.0	21.2			
			Freeport		10	Lower 40%				0.0	0.0	9.1	3.0	0.0	12.1			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	52		All Years				0.0	17.9	9.5	0.0	0.0	0.0			
				55		All Years				0.0	1.9	19.5	0.4	0.0	0.0			
			Freeport	52		All Years				0.0	15.9	6.7	0.0	0.0	0.0			
				55		All Years				0.0	3.4	18.3	0.5	0.0	0.0			

Table 190 Existing Condtions-No Action Alternative

Green Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	February through July	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%					0.0	9.1	3.0	0.0	12.1	-87.9		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years					0.0	0.2	16.7	0.0	0.0	0.0		
Adult Post-Spawning Holding and Emigration	July through November	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	6.1	-21.2								-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	23.6	0.0								0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Freeport	66		All Years	15.8	0.0	0.0	0.0	0.0	0.0	10.4	8.2	0.0	0.0	0.0	4.1

Table 191 Existing Condtions-No Action Alternative

White Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	November through May	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%		-21.2	0.0	0.0	0.0	9.1	3.0	0.0				
		Mean Monthly Water Temperature (°F)	Freeport	77		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Spawning and Egg Incubation	February through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%					-3.0	9.1	0.0	-3.0	21.2			
			Freeport		10	Lower 40%					0.0	9.1	3.0	0.0	12.1			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years					0.0	0.2	17.1	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	66		All Years	10.7	0.0	0.0	0.0	0.0	0.0	6.1	5.3	0.0	0.0	0.0	7.2
			Freeport	66		All Years	15.8	0.0	0.0	0.0	0.0	0.0	10.4	8.2	0.0	0.0	0.0	4.1

Table 192 Existing Condtions-No Action Alternative

River Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	September through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1			-72.7
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years	-3.7	0.0	1.0	0.6	0.0	-1.7	-10.5	0.0	0.0			0.0
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	17.1	1.2	7.3	35.4

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 193 Existing Condtions-No Action Alternative

Pacific Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	January through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%				0.0	0.0	9.1	3.0	0.0	12.1			
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years				0.6	0.0	-1.7	-10.5	0.0	0.0			
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	17.1	1.2	7.3	35.4

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 194 Existing Condtions-No Action Alternative

Hardhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adults and Other Lifestages	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-77		All Years	29.3	0.0	0.0	0.0	0.0	0.2	17.1	0.0	0.0	-14.0	-28.4	-1.8
			Freeport	61-77		All Years	23.6	0.0	0.0	0.0	0.0	0.2	16.7	0.0	0.0	-28.6	-36.6	-0.9
Adult Spawning	April through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%							3.0	0.0	12.1			
		Mean Monthly Water Temperature (°F)	Freeport	59-64		All Years							-1.6	-3.3	0.0			

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 195 Existing Condtions-No Action Alternative

American Shad in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	-3.0	21.2			
			Freeport		10	Lower 40%							3.0	0.0	12.1			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	60-70		All Years							12.8	-15.5	-1.2			
			Freeport	60-70		All Years							10.5	-22.3	-5.4			
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
			Freeport		10	Lower 40%	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63-77		All Years	29.6	0.0	0.0	0.0	0.0	0.0	14.6	1.7	0.0	-14.0	-28.4	-1.8
			Freeport	63-77		All Years	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1	0.0	-28.6	-36.6	-0.9

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 196 Existing Condtions-No Action Alternative

Striped Bass in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Condtions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	-3.0	21.2			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	59-68		All Years							8.1	-16.4	1.7			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-71		All Years	29.3	0.0	0.0	0.0	0.0	0.2	17.1	-6.1	-3.7	-5.7	-8.6	-33.1

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 201 Existing Condtions-No Action Alternative

No Action Alternative vs Existing Condtions
Sacramento River at Verona, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	6.1	1.2	26.8	13.4	8.5	12.2	19.5	15.9	14.6	4.9	2.4	4.9
X>=10.0	6.1	0.0	1.2	15.9	8.5	6.1	0.0	0.0	67.1	0.0	23.2	0.0
X>1.0 (Total %)	34.1	6.1	25.6	73.2	75.6	78.0	35.4	26.8	80.5	17.1	37.8	26.8
X<=-10.0	6.1	65.9	1.2	0.0	2.4	0.0	19.5	17.1	1.2	41.5	53.7	50.0
X<-1.0 (Total %)	59.8	91.5	39.0	11.0	14.6	9.8	42.7	56.1	4.9	78.0	59.8	68.3
Net Change in % Exceedance:	-25.6	-85.4	-13.4	62.2	61.0	68.3	-7.3	-29.3	75.6	-61.0	-22.0	-41.5
Net Change in 10% Exceedance	0.0	-65.9	0.0	15.9	6.1	6.1	-19.5	-17.1	65.9	-41.5	-30.5	-50.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	12.1	3.0	21.2	27.3	9.1	6.1	27.3	24.2	36.4	0.0	0.0	3.0
X>=10.0	12.1	0.0	0.0	0.0	3.0	9.1	0.0	0.0	21.2	0.0	57.6	0.0
X>1.0 (Total %)	78.8	15.2	0.0	45.5	63.6	81.8	51.5	6.1	54.5	0.0	60.6	12.1
X<=-10.0	0.0	27.3	3.0	0.0	6.1	0.0	0.0	3.0	0.0	90.9	27.3	78.8
X<-1.0 (Total %)	9.1	78.8	66.7	21.2	24.2	12.1	18.2	69.7	9.1	100.0	39.4	84.8
Net Change in % Exceedance:	69.7	-63.6	-66.7	24.2	39.4	69.7	33.3	-63.6	45.5	-100.0	21.2	-72.7
Net Change in 10% Exceedance	12.1	-27.3	-3.0	0.0	-3.0	9.1	0.0	-3.0	21.2	-90.9	30.3	-78.8

Table 202 Existing Condtions-No Action Alternative

No Action Alternative vs Existing Condtions
Sacramento River at Freeport, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	7.3	3.7	26.8	13.4	6.1	22.0	13.4	12.2	11.0	0.0	1.2	3.7
X>=10.0	3.7	0.0	0.0	13.4	4.9	9.8	3.7	0.0	57.3	0.0	23.2	2.4
X>1.0 (Total %)	30.5	8.5	17.1	70.7	75.6	68.3	51.2	22.0	80.5	1.2	37.8	18.3
X<=-10.0	2.4	65.9	0.0	0.0	0.0	0.0	23.2	19.5	1.2	68.3	56.1	46.3
X<-1.0 (Total %)	59.8	87.8	54.9	15.9	15.9	9.8	32.9	65.9	3.7	98.8	61.0	78.0
Net Change in % Exceedance:	-29.3	-79.3	-37.8	54.9	59.8	58.5	18.3	-43.9	76.8	-97.6	-23.2	-59.8
Net Change in 10% Exceedance	1.2	-65.9	0.0	13.4	4.9	9.8	-19.5	-19.5	56.1	-68.3	-32.9	-43.9
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	18.2	9.1	9.1	27.3	9.1	33.3	21.2	9.1	27.3	0.0	0.0	3.0
X>=10.0	6.1	0.0	0.0	0.0	0.0	9.1	3.0	0.0	12.1	0.0	57.6	0.0
X>1.0 (Total %)	72.7	21.2	9.1	36.4	45.5	60.6	66.7	6.1	54.5	0.0	63.6	0.0
X<=-10.0	0.0	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.9	33.3	72.7
X<-1.0 (Total %)	6.1	69.7	81.8	36.4	39.4	6.1	9.1	84.8	6.1	100.0	36.4	97.0
Net Change in % Exceedance:	66.7	-48.5	-72.7	0.0	6.1	54.5	57.6	-78.8	48.5	-100.0	27.3	-97.0
Net Change in 10% Exceedance	6.1	-21.2	0.0	0.0	0.0	9.1	3.0	0.0	12.1	-87.9	24.2	-72.7

No Action Alternative vs Existing Condtions

Sacramento River at Feather River, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.0	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	95.7	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	81.1	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	20.7	4.9	94.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	2.4	1.2	81.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	97.8	2.1	1.2	51.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	78.0	1.4	1.2	12.2	87.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	58.5	1.2	1.2	4.7	74.6	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	34.1	1.2	1.2	1.4	65.2	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	18.3	1.2	1.2	1.2	41.5	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	7.6	1.2	1.2	1.2	23.2	95.9	98.8	98.8	98.8	98.8	98.8
57	98.8	2.4	1.2	1.2	1.2	14.0	94.7	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	5.5	86.6	98.8	98.8	98.8	98.8	98.8
59	96.7	1.2	1.2	1.2	1.2	3.2	77.6	98.8	98.8	98.8	98.8	98.8
60	85.4	1.2	1.2	1.2	1.2	2.4	68.3	98.8	98.8	98.8	98.8	98.8
61	62.8	1.2	1.2	1.2	1.2	1.8	57.3	98.8	98.8	98.8	98.8	98.8
62	44.5	1.2	1.2	1.2	1.2	1.2	43.9	98.0	98.8	98.8	98.8	98.8
63	23.2	1.2	1.2	1.2	1.2	1.2	35.4	96.9	98.8	98.8	98.8	98.8
64	14.6	1.2	1.2	1.2	1.2	1.2	13.3	95.5	98.8	98.8	98.8	98.8
65	7.6	1.2	1.2	1.2	1.2	1.2	10.4	89.6	98.8	98.8	98.8	93.3
66	4.5	1.2	1.2	1.2	1.2	1.2	4.3	85.4	98.8	98.8	98.8	90.2
68	1.5	1.2	1.2	1.2	1.2	1.2	1.2	48.8	98.2	98.8	98.8	65.9
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	29.3	94.1	98.8	98.8	53.7
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.2	85.4	98.3	97.8	29.9
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	9.8	68.3	93.1	90.2	24.6
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	6.3	37.8	78.0	76.8	13.4
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	11.0	29.3	42.7	3.5
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	3.0	19.5	23.2	2.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	4.3	2.1	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	79.9	72.0	97.6	97.6	97.6	97.1	95.8	79.3	75.6	96.4
50-64	84.2	96.6	0.9	0.0	50.0	97.6	85.5	3.3	0.0	0.0	0.0	0.0
55-56	0.0	10.7	0.0	0.0	0.0	18.3	2.4	0.0	0.0	0.0	0.0	0.0
59-64	82.1	0.0	0.0	0.0	0.0	2.0	64.3	3.3	0.0	0.0	0.0	0.0
59-68	95.2	0.0	0.0	0.0	0.0	2.0	76.4	50.0	0.6	0.0	0.0	32.9
59-75	95.5	0.0	0.0	0.0	0.0	2.0	76.4	97.1	95.8	79.3	75.6	96.4
60-70	84.2	0.0	0.0	0.0	0.0	1.2	67.1	85.6	13.4	0.5	1.0	68.9
61-71	61.6	0.0	0.0	0.0	0.0	0.6	56.1	89.0	30.5	5.7	8.6	74.2
63-69	22.0	0.0	0.0	0.0	0.0	0.0	34.2	67.6	4.7	0.0	0.0	45.1
63-77	22.0	0.0	0.0	0.0	0.0	0.0	34.2	95.7	97.6	94.5	96.7	97.6
65-82	6.4	0.0	0.0	0.0	0.0	0.0	9.2	88.4	97.6	97.6	97.6	92.1
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	84.2	97.1	96.6	28.7
42-60	13.4	97.6	96.8	95.2	97.6	96.4	30.5	0.0	0.0	0.0	0.0	0.0
61-77	61.6	0.0	0.0	0.0	0.0	0.6	56.1	97.6	97.6	94.5	96.7	97.6

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.2	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	91.9	87.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	40.2	23.2	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	22.0	5.5	90.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	95.1	1.7	1.2	30.1	97.3	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	87.8	1.2	1.2	12.0	86.0	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	67.1	1.2	1.2	6.1	74.4	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	42.7	1.2	1.2	3.1	61.0	98.7	98.8	98.8	98.8	98.8	98.8
56	98.8	26.8	1.2	1.2	1.2	39.0	97.6	98.8	98.8	98.8	98.8	98.8
57	98.8	14.0	1.2	1.2	1.2	23.2	96.7	98.8	98.8	98.8	98.8	98.8
58	98.8	5.5	1.2	1.2	1.2	12.8	91.2	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	7.3	85.7	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	2.7	81.1	98.8	98.8	98.8	98.8	98.8
61	92.1	1.2	1.2	1.2	1.2	2.0	74.4	98.8	98.8	98.8	98.8	98.8
62	74.4	1.2	1.2	1.2	1.2	1.4	61.0	98.8	98.8	98.8	98.8	98.8
63	52.8	1.2	1.2	1.2	1.2	1.2	50.0	98.6	98.8	98.8	98.8	98.8
64	41.5	1.2	1.2	1.2	1.2	1.2	34.5	98.0	98.8	98.8	98.8	98.8
65	23.2	1.2	1.2	1.2	1.2	1.2	23.2	96.3	98.8	98.8	98.8	98.8
66	15.2	1.2	1.2	1.2	1.2	1.2	10.4	90.7	98.8	98.8	98.8	97.4
68	4.1	1.2	1.2	1.2	1.2	1.2	1.2	65.2	96.5	98.8	98.8	89.6
69	2.1	1.2	1.2	1.2	1.2	1.2	1.2	45.1	95.3	98.8	98.8	78.9
70	1.4	1.2	1.2	1.2	1.2	1.2	1.2	28.7	86.6	98.8	98.8	70.7
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	72.0	98.8	98.8	57.7
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	57.3	97.6	95.9	46.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	23.2	74.4	84.1	18.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.6	11.0	54.9	69.5	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	18.3	30.5	3.0
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	90.7	86.6	97.6	97.6	97.6	96.2	87.8	43.9	29.3	89.0
50-64	57.3	97.6	7.3	0.0	72.0	97.6	64.3	0.8	0.0	0.0	0.0	0.0
55-56	0.0	15.9	0.0	0.0	1.9	22.0	1.1	0.0	0.0	0.0	0.0	0.0
59-64	57.3	0.0	0.0	0.0	0.0	6.1	51.2	0.8	0.0	0.0	0.0	0.0
59-68	94.7	0.0	0.0	0.0	0.0	6.1	84.5	33.6	2.3	0.0	0.0	9.2
59-75	97.6	0.0	0.0	0.0	0.0	6.1	84.5	96.2	87.8	43.9	29.3	89.0
60-70	97.4	0.0	0.0	0.0	0.0	1.5	79.9	70.1	12.2	0.0	0.0	28.1
61-71	90.9	0.0	0.0	0.0	0.0	0.8	73.2	82.9	26.8	0.0	0.0	41.1
63-69	50.7	0.0	0.0	0.0	0.0	0.0	48.8	53.5	3.5	0.0	0.0	19.9
63-77	51.6	0.0	0.0	0.0	0.0	0.0	48.8	97.4	97.6	80.5	68.3	95.8
65-82	22.0	0.0	0.0	0.0	0.0	0.0	22.0	95.1	97.6	97.6	97.6	97.6
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.5	85.4	97.6	97.6	69.5
42-60	0.0	97.6	97.6	95.8	97.6	96.1	17.7	0.0	0.0	0.0	0.0	0.0
61-77	90.9	0.0	0.0	0.0	0.0	0.8	73.2	97.6	97.6	80.5	68.3	95.8

No Action Alternative - Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	2.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	10.8	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	19.5	18.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	19.6	4.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	1.0	6.4	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	17.1	0.3	0.0	17.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	29.3	0.0	0.0	7.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	33.0	0.0	0.0	4.7	9.2	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	24.4	0.0	0.0	1.9	19.5	0.4	0.0	0.0	0.0	0.0	0.0
56	0.0	19.2	0.0	0.0	0.0	15.8	1.7	0.0	0.0	0.0	0.0	0.0
57	0.0	11.6	0.0	0.0	0.0	9.2	2.0	0.0	0.0	0.0	0.0	0.0
58	0.0	4.3	0.0	0.0	0.0	7.3	4.6	0.0	0.0	0.0	0.0	0.0
59	2.1	0.0	0.0	0.0	0.0	4.1	8.1	0.0	0.0	0.0	0.0	0.0
60	13.4	0.0	0.0	0.0	0.0	0.3	12.8	0.0	0.0	0.0	0.0	0.0
61	29.3	0.0	0.0	0.0	0.0	0.2	17.1	0.0	0.0	0.0	0.0	0.0
62	29.9	0.0	0.0	0.0	0.0	0.2	17.1	0.8	0.0	0.0	0.0	0.0
63	29.6	0.0	0.0	0.0	0.0	0.0	14.6	1.7	0.0	0.0	0.0	0.0
64	26.9	0.0	0.0	0.0	0.0	0.0	21.2	2.5	0.0	0.0	0.0	0.0
65	15.6	0.0	0.0	0.0	0.0	0.0	12.8	6.7	0.0	0.0	0.0	5.5
66	10.7	0.0	0.0	0.0	0.0	0.0	6.1	5.3	0.0	0.0	0.0	7.2
68	2.6	0.0	0.0	0.0	0.0	0.0	0.0	16.4	-1.7	0.0	0.0	23.7
69	0.9	0.0	0.0	0.0	0.0	0.0	0.0	15.8	1.2	0.0	0.0	25.2
70	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.5	1.2	0.5	1.0	40.8
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.7	5.7	8.6	33.1
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	19.5	19.6	19.1	32.9
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	12.2	45.1	41.4	14.8
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.0	35.4	46.3	7.4
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	28.4	1.8
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	10.8	14.6	0.0	0.0	0.0	-0.9	-8.0	-35.4	-46.3	-7.4
50-64	-26.9	1.0	6.4	0.0	22.0	0.0	-21.2	-2.5	0.0	0.0	0.0	0.0
55-56	0.0	5.2	0.0	0.0	1.9	3.7	-1.3	0.0	0.0	0.0	0.0	0.0
59-64	-24.8	0.0	0.0	0.0	0.0	4.1	-13.1	-2.5	0.0	0.0	0.0	0.0
59-68	-0.5	0.0	0.0	0.0	0.0	4.1	8.1	-16.4	1.7	0.0	0.0	-23.7
59-75	2.1	0.0	0.0	0.0	0.0	4.1	8.1	-0.9	-8.0	-35.4	-46.3	-7.4
60-70	13.2	0.0	0.0	0.0	0.0	0.3	12.8	-15.5	-1.2	-0.5	-1.0	-40.8
61-71	29.3	0.0	0.0	0.0	0.0	0.2	17.1	-6.1	-3.7	-5.7	-8.6	-33.1
63-69	28.7	0.0	0.0	0.0	0.0	0.0	14.6	-14.1	-1.2	0.0	0.0	-25.2
63-77	29.6	0.0	0.0	0.0	0.0	0.0	14.6	1.7	0.0	-14.0	-28.4	-1.8
65-82	15.6	0.0	0.0	0.0	0.0	0.0	12.8	6.7	0.0	0.0	0.0	5.5
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.5	1.2	0.5	1.0	40.8
42-60	-13.4	0.0	0.8	0.6	0.0	-0.3	-12.8	0.0	0.0	0.0	0.0	0.0
61-77	29.3	0.0	0.0	0.0	0.0	0.2	17.1	0.0	0.0	-14.0	-28.4	-1.8

No Action Alternative vs Existing Condtions

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	5.5	95.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	47.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.7	75.3	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	45.1	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.0	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	46.4	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	20.7	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

No Action Alternative - Existing Condtions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	4.4	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	10.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	21.9	20.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	23.2	7.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.8	7.8	0.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	14.9	0.3	0.0	15.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	25.6	0.0	0.0	8.9	14.9	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	31.7	0.0	0.0	4.7	11.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	27.2	0.0	0.0	3.4	18.3	0.5	0.0	0.0	0.0	0.0	0.0
56	0.0	20.7	0.0	0.0	0.8	19.5	1.3	0.0	0.0	0.0	0.0	0.0
57	0.0	18.7	0.0	0.0	0.0	13.3	2.4	0.0	0.0	0.0	0.0	0.0
58	0.0	4.9	0.0	0.0	0.0	10.9	5.8	0.0	0.0	0.0	0.0	0.0
59	0.0	1.2	0.0	0.0	0.0	2.8	10.0	0.0	0.0	0.0	0.0	0.0
60	3.7	0.0	0.0	0.0	0.0	1.7	10.5	0.0	0.0	0.0	0.0	0.0
61	23.6	0.0	0.0	0.0	0.0	0.2	16.7	0.0	0.0	0.0	0.0	0.0
62	34.7	0.0	0.0	0.0	0.0	0.5	15.2	0.0	0.0	0.0	0.0	0.0
63	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1	0.0	0.0	0.0	0.0
64	31.7	0.0	0.0	0.0	0.0	0.0	11.6	3.3	0.0	0.0	0.0	0.0
65	21.4	0.0	0.0	0.0	0.0	0.0	14.8	4.3	0.0	0.0	0.0	1.2
66	15.8	0.0	0.0	0.0	0.0	0.0	10.4	8.2	0.0	0.0	0.0	4.1
68	3.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	14.0
69	1.5	0.0	0.0	0.0	0.0	0.0	0.0	24.4	-0.3	0.0	0.0	21.5
70	0.4	0.0	0.0	0.0	0.0	0.0	0.0	22.3	5.4	0.0	0.0	30.4
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	2.8	0.0	0.9	43.3
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	17.1	1.2	7.3	35.4
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	18.9	30.5	31.0	17.7
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	10.3	44.6	42.7	8.4
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	36.6	0.9
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	10.3	12.8	0.0	0.0	0.0	-0.7	-10.3	-44.6	-42.7	-8.4
50-64	-31.7	0.8	7.8	0.0	30.4	0.0	-11.6	-3.3	0.0	0.0	0.0	0.0
55-56	0.0	6.5	0.0	0.0	2.6	-1.2	-0.8	0.0	0.0	0.0	0.0	0.0
59-64	-31.7	1.2	0.0	0.0	0.0	2.8	-1.6	-3.3	0.0	0.0	0.0	0.0
59-68	-3.0	1.2	0.0	0.0	0.0	2.8	10.0	-21.4	0.0	0.0	0.0	-14.0
59-75	0.0	1.2	0.0	0.0	0.0	2.8	10.0	-0.7	-10.3	-44.6	-42.7	-8.4
60-70	3.3	0.0	0.0	0.0	0.0	1.7	10.5	-22.3	-5.4	0.0	0.0	-30.4
61-71	23.6	0.0	0.0	0.0	0.0	0.2	16.7	-9.9	-2.8	0.0	-0.9	-43.3
63-69	19.2	0.0	0.0	0.0	0.0	0.1	17.7	-23.3	0.3	0.0	0.0	-21.5
63-77	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1	0.0	-28.6	-36.6	-0.9
65-82	21.4	0.0	0.0	0.0	0.0	0.0	14.8	4.3	0.0	0.0	0.0	1.2
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	22.3	5.4	0.0	0.0	30.4
42-60	-3.7	0.0	1.0	0.6	0.0	-1.7	-10.5	0.0	0.0	0.0	0.0	0.0
61-77	23.6	0.0	0.0	0.0	0.0	0.2	16.7	0.0	0.0	-28.6	-36.6	-0.9

Table 227 Existing Conditions-No Action Alternative

Delta Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years			0.0	0.0	0.0	2.8	10.0	-21.4				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years			-29.3	17.1	62.2	54.9	-48.8	-8.5				
	September through November	Mean Monthly X_2 (RKm)	X_2 between 74 km and 81 km	74-81		Wet and Above Normal Water Years	-7.9	0.0										-7.9
	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-14.6	0.0	0.0							
Egg and Embryo	February through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years					0.0	2.8	10.0	-21.4				
Larval	March through June	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years						2.8	10.0	-21.4	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years						-23.3	20.0	6.7	-23.3			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years						19.5	-20.7	-15.9	56.1			
Juvenile	May through July	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years								-21.4	0.0	0.0		
		Mean Monthly X_2 (RKm)	Changes in X_2 between RKm 65 and 80	0.5 RKm		All Years								45.1	56.1	36.6		

Table 228 Existing Conditions-No Action Alternative

Longfin Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through March	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-14.6	0.0	0.0	0.0						
Larvae and Juvenile	April and May	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years							20.0	6.7				
				< 0 cfs		Dry and Critical Water Years							3.3	0.0				
	January through June	Mean Monthly X_2 (RKm)	X_2	< 75 RKm		All Years				-6.1	0.0	-1.2	-4.9	-4.9	-4.9			
				< 75 RKm		Dry and Critical Water Years				0.0	0.0	0.0	0.0	0.0	0.0			

Table 229 Existing Conditions-No Action Alternative

Winter-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through May	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		-57.6	-45.5	-12.1	-69.7	-63.6	-6.1	-45.5				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5				
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		-23.2	2.4	37.8	14.6	19.5	-20.7	-15.9				
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	-1.2	-8.5	-17.1	-18.3	-11.0	-2.4				

Table 230 Existing Conditions-No Action Alternative

Spring-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		-57.6	-45.5	-12.1	-69.7	-63.6	-6.1	-45.5	-84.8			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5	-1.2			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		-23.2	2.4	37.8	14.6	19.5	-20.7	-15.9	56.1			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	-1.2	-8.5	-17.1	-18.3	-11.0	-2.4	0.0			

Table 231 Existing Conditions-No Action Alternative

Fall- and Late Fall-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		-57.6	-45.5	-12.1	-69.7	-63.6	-6.1	-45.5	-84.8			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5	-1.2			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		-23.2	2.4	37.8	14.6	19.5	-20.7	-15.9	56.1			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	-1.2	-8.5	-17.1	-18.3	-11.0	-2.4	0.0			
Adult (San Joaquin River)	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-53.7	-72.0	-14.6							

Table 232 Existing Conditions-No Action Alternative

Steelhead in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	October through July	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%	-27.3	-57.6	-45.5	-12.1	-69.7	-63.6	-6.1	-45.5	-84.8	-97.0		
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	32.9	-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5	-1.2	0.0		
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years	79.3	-23.2	2.4	37.8	14.6	19.5	-20.7	-15.9	56.1	-65.9		
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years	0.0	0.0	-1.2	-8.5	-17.1	-18.3	-11.0	-2.4	0.0	0.0		

Table 233 Existing Conditions-No Action Alternative

Green Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	Year-round	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	32.9	-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5	-1.2	0.0	-9.8	23.2

Table 234 Existing Conditions-No Action Alternative

White Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	April through June	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							-48.8	-8.5	-1.2			

Table 235 Existing Conditions-No Action Alternative

Splittail in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Spawning and Embryo Incubation	February through May	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years					62.2	54.9	-48.8	-8.5				
Juvenile Rearing and Emigration	April through July	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							-48.8	-8.5	-1.2	0.0		

Table 236 Existing Conditions-No Action Alternative

American Shad in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							100.0	82.9	79.3			

Table 237 Existing Conditions-No Action Alternative

Striped Bass in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under No Action Alternative relative to Existing Conditions											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							100.0	82.9	79.3			

No Action Alternative vs Existing Conditions

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

Existing Conditions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	97.8	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	93.9	91.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	79.9	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	22.0	5.5	95.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	3.0	1.2	80.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.0	2.0	1.2	47.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	82.9	1.2	1.2	13.4	92.1	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	64.6	1.2	1.2	6.7	75.3	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	39.0	1.2	1.2	2.3	64.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	22.8	1.2	1.2	1.2	45.1	98.3	98.8	98.8	98.8	98.8	98.8
56	98.8	11.0	1.2	1.2	1.2	24.4	96.5	98.8	98.8	98.8	98.8	98.8
57	98.8	3.3	1.2	1.2	1.2	14.1	94.2	98.8	98.8	98.8	98.8	98.8
58	98.8	1.2	1.2	1.2	1.2	8.0	86.6	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	4.5	78.0	98.8	98.8	98.8	98.8	98.8
60	95.1	1.2	1.2	1.2	1.2	3.2	71.2	98.8	98.8	98.8	98.8	98.8
61	74.4	1.2	1.2	1.2	1.2	2.2	57.3	98.8	98.8	98.8	98.8	98.8
62	54.9	1.2	1.2	1.2	1.2	1.4	47.6	98.8	98.8	98.8	98.8	98.8
63	42.7	1.2	1.2	1.2	1.2	1.2	31.7	97.7	98.8	98.8	98.8	98.8
64	20.7	1.2	1.2	1.2	1.2	1.2	20.7	95.1	98.8	98.8	98.8	98.8
65	14.0	1.2	1.2	1.2	1.2	1.2	12.8	92.7	98.8	98.8	98.8	97.6
66	5.5	1.2	1.2	1.2	1.2	1.2	6.7	84.1	98.8	98.8	98.8	94.7
68	1.7	1.2	1.2	1.2	1.2	1.2	1.2	57.3	98.8	98.8	98.8	81.3
69	1.2	1.2	1.2	1.2	1.2	1.2	1.2	30.5	96.9	98.8	98.8	68.3
70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	89.8	98.8	98.8	47.6
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4	84.1	98.8	97.9	26.8
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	7.0	64.6	97.6	91.5	18.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.0	20.7	61.0	57.7	4.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	9.8	34.1	39.0	1.4
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	7.3	1.2
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	78.7	72.0	97.6	97.6	97.6	96.4	89.0	64.7	59.8	97.4
50-64	78.1	96.8	0.8	0.0	46.4	97.6	78.1	3.7	0.0	0.0	0.0	0.0
55-56	0.0	11.8	0.0	0.0	0.0	20.7	1.8	0.0	0.0	0.0	0.0	0.0
59-64	78.1	0.0	0.0	0.0	0.0	3.3	57.3	3.7	0.0	0.0	0.0	0.0
59-68	97.1	0.0	0.0	0.0	0.0	3.3	76.8	41.5	0.0	0.0	0.0	17.5
59-75	97.6	0.0	0.0	0.0	0.0	3.3	76.8	96.4	89.0	64.7	59.8	97.4
60-70	93.9	0.0	0.0	0.0	0.0	2.0	70.0	82.9	9.0	0.0	0.0	51.2
61-71	73.2	0.0	0.0	0.0	0.0	1.0	56.1	87.4	14.7	0.0	0.9	72.0
63-69	41.5	0.0	0.0	0.0	0.0	0.0	30.5	67.2	1.9	0.0	0.0	30.5
63-77	41.5	0.0	0.0	0.0	0.0	0.0	30.5	96.5	97.6	88.4	91.5	97.6
65-82	12.8	0.0	0.0	0.0	0.0	0.0	11.6	91.5	97.6	97.6	97.6	96.4
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	88.6	97.6	97.6	46.4
42-60	3.7	97.6	96.6	95.2	97.6	95.6	27.6	0.0	0.0	0.0	0.0	0.0
61-77	73.2	0.0	0.0	0.0	0.0	1.0	56.1	97.6	97.6	88.4	91.5	97.6

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

No Action Alternative - Existing Conditions

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	4.4	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	10.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	21.9	20.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	23.2	7.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.8	7.8	0.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	14.9	0.3	0.0	15.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	25.6	0.0	0.0	8.9	14.9	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	31.7	0.0	0.0	4.7	11.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	27.2	0.0	0.0	3.4	18.3	0.5	0.0	0.0	0.0	0.0	0.0
56	0.0	20.7	0.0	0.0	0.8	19.5	1.3	0.0	0.0	0.0	0.0	0.0
57	0.0	18.7	0.0	0.0	0.0	13.3	2.4	0.0	0.0	0.0	0.0	0.0
58	0.0	4.9	0.0	0.0	0.0	10.9	5.8	0.0	0.0	0.0	0.0	0.0
59	0.0	1.2	0.0	0.0	0.0	2.8	10.0	0.0	0.0	0.0	0.0	0.0
60	3.7	0.0	0.0	0.0	0.0	1.7	10.5	0.0	0.0	0.0	0.0	0.0
61	23.6	0.0	0.0	0.0	0.0	0.2	16.7	0.0	0.0	0.0	0.0	0.0
62	34.7	0.0	0.0	0.0	0.0	0.5	15.2	0.0	0.0	0.0	0.0	0.0
63	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1	0.0	0.0	0.0	0.0
64	31.7	0.0	0.0	0.0	0.0	0.0	11.6	3.3	0.0	0.0	0.0	0.0
65	21.4	0.0	0.0	0.0	0.0	0.0	14.8	4.3	0.0	0.0	0.0	1.2
66	15.8	0.0	0.0	0.0	0.0	0.0	10.4	8.2	0.0	0.0	0.0	4.1
68	3.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	14.0
69	1.5	0.0	0.0	0.0	0.0	0.0	0.0	24.4	-0.3	0.0	0.0	21.5
70	0.4	0.0	0.0	0.0	0.0	0.0	0.0	22.3	5.4	0.0	0.0	30.4
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	2.8	0.0	0.9	43.3
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	17.1	1.2	7.3	35.4
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	18.9	30.5	31.0	17.7
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	10.3	44.6	42.7	8.4
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	36.6	0.9
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	10.3	12.8	0.0	0.0	0.0	-0.7	-10.3	-44.6	-42.7	-8.4
50-64	-31.7	0.8	7.8	0.0	30.4	0.0	-11.6	-3.3	0.0	0.0	0.0	0.0
55-56	0.0	6.5	0.0	0.0	2.6	-1.2	-0.8	0.0	0.0	0.0	0.0	0.0
59-64	-31.7	1.2	0.0	0.0	0.0	2.8	-1.6	-3.3	0.0	0.0	0.0	0.0
59-68	-3.0	1.2	0.0	0.0	0.0	2.8	10.0	-21.4	0.0	0.0	0.0	-14.0
59-75	0.0	1.2	0.0	0.0	0.0	2.8	10.0	-0.7	-10.3	-44.6	-42.7	-8.4
60-70	3.3	0.0	0.0	0.0	0.0	1.7	10.5	-22.3	-5.4	0.0	0.0	-30.4
61-71	23.6	0.0	0.0	0.0	0.0	0.2	16.7	-9.9	-2.8	0.0	-0.9	-43.3
63-69	19.2	0.0	0.0	0.0	0.0	0.1	17.7	-23.3	0.3	0.0	0.0	-21.5
63-77	20.7	0.0	0.0	0.0	0.0	0.1	17.7	1.1	0.0	-28.6	-36.6	-0.9
65-82	21.4	0.0	0.0	0.0	0.0	0.0	14.8	4.3	0.0	0.0	0.0	1.2
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	22.3	5.4	0.0	0.0	30.4
42-60	-3.7	0.0	1.0	0.6	0.0	-1.7	-10.5	0.0	0.0	0.0	0.0	0.0
61-77	23.6	0.0	0.0	0.0	0.0	0.2	16.7	0.0	0.0	-28.6	-36.6	-0.9

Table 239 Existing Conditions-No Action Alternative

No Action Alternative vs Existing Conditions
Sacramento River at Rio Vista, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	23.2	1.2	2.4	2.4	3.7	4.9	9.8	6.1	1.2	0.0	1.2	7.3
X>=10.0	2.4	0.0	0.0	17.1	9.8	0.0	0.0	0.0	1.2	0.0	0.0	0.0
X>1.0 (Total %)	4.9	8.5	4.9	24.4	29.3	13.4	3.7	0.0	4.9	0.0	3.7	2.4
X<=-10.0	70.7	82.9	40.2	20.7	35.4	51.2	30.5	46.3	57.3	98.8	80.5	76.8
X<-1.0 (Total %)	72.0	89.0	92.7	73.2	67.1	81.7	84.1	93.9	93.9	100.0	95.1	90.2
Net Change in % Exceedance:	-67.1	-80.5	-87.8	-48.8	-37.8	-68.3	-80.5	-93.9	-89.0	-100.0	-91.5	-87.8
Net Change in 10% Exceedance	-68.3	-82.9	-40.2	-3.7	-25.6	-51.2	-30.5	-46.3	-56.1	-98.8	-80.5	-76.8
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	57.6	3.0	0.0	3.0	0.0	3.0	15.2	0.0	0.0	0.0	3.0	9.1
X>=10.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
X>1 (Total %)	9.1	21.2	6.1	3.0	3.0	6.1	3.0	0.0	12.1	0.0	9.1	0.0
X<=-10.0	30.3	57.6	45.5	12.1	69.7	63.6	6.1	45.5	87.9	97.0	51.5	84.8
X<-1 (Total %)	33.3	72.7	93.9	93.9	97.0	90.9	81.8	100.0	87.9	100.0	87.9	90.9
Net Change in % Exceedance:	-24.2	-51.5	-87.9	-90.9	-93.9	-84.8	-78.8	-100.0	-75.8	-100.0	-78.8	-90.9
Net Change in 10% Exceedance	-27.3	-57.6	-45.5	-12.1	-69.7	-63.6	-6.1	-45.5	-84.8	-97.0	-51.5	-84.8

Table 240 Existing Conditions-No Action Alternative

No Action Alternative vs Existing Conditions
Yolo Bypass, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	23.2	86.6	36.6	28.0	25.6	23.2	1.2	62.2	98.8	100.0	84.1	57.3
X>=10.0	34.1	0.0	9.8	36.6	62.2	56.1	0.0	0.0	0.0	0.0	1.2	24.4
X>1.0 (Total %)	75.6	0.0	14.6	40.2	73.2	73.2	8.5	0.0	0.0	0.0	2.4	39.0
X<=-10.0	1.2	8.5	39.0	19.5	0.0	1.2	48.8	8.5	1.2	0.0	11.0	1.2
X<-1.0 (Total %)	1.2	13.4	48.8	31.7	0.0	3.7	90.2	36.6	1.2	0.0	13.4	1.2
Net Change in % Exceedance:	74.4	-13.4	-34.1	8.5	73.2	69.5	-81.7	-36.6	-1.2	0.0	-11.0	37.8
Net Change in 10% Exceedance	32.9	-8.5	-29.3	17.1	62.2	54.9	-48.8	-8.5	-1.2	0.0	-9.8	23.2
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	9.1	90.9	66.7	33.3	60.6	30.3	0.0	54.5	100.0	100.0	100.0	57.6
X>=10.0	75.8	0.0	0.0	3.0	24.2	42.4	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	90.9	0.0	0.0	3.0	36.4	69.7	0.0	0.0	0.0	0.0	0.0	36.4
X<=-10.0	0.0	3.0	24.2	48.5	0.0	0.0	30.3	6.1	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	9.1	33.3	63.6	0.0	0.0	100.0	42.4	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	90.9	-9.1	-33.3	-60.6	36.4	69.7	-100.0	-42.4	0.0	0.0	0.0	36.4
Net Change in 10% Exceedance	75.8	-3.0	-24.2	-45.5	24.2	42.4	-30.3	-6.1	0.0	0.0	0.0	0.0

Table 241 Existing Conditions-No Action Alternative

No Action Alternative vs Existing Conditions
Delta Outflow, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	0.0	30.5	20.7	6.1	6.1	8.5	9.8	15.9	0.0	19.5	39.0	32.9
X>=10.0	81.7	2.4	14.6	45.1	29.3	23.2	3.7	9.8	62.2	2.4	28.0	43.9
X>1.0 (Total %)	95.1	20.7	34.1	70.7	58.5	62.2	42.7	28.0	90.2	4.9	57.3	45.1
X<=-10.0	2.4	25.6	12.2	7.3	14.6	3.7	24.4	25.6	6.1	68.3	0.0	15.9
X<-1.0 (Total %)	4.9	48.8	42.7	23.2	35.4	29.3	47.6	54.9	9.8	75.6	3.7	22.0
Net Change in % Exceedance:	90.2	-28.0	-8.5	47.6	23.2	32.9	-4.9	-26.8	80.5	-70.7	53.7	23.2
Net Change in 10% Exceedance	79.3	-23.2	2.4	37.8	14.6	19.5	-20.7	-15.9	56.1	-65.9	28.0	28.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	0.0	72.7	36.4	3.0	9.1	9.1	15.2	15.2	0.0	48.5	63.6	81.8
X>=10.0	100.0	0.0	24.2	51.5	0.0	6.1	6.1	24.2	54.5	6.1	15.2	0.0
X>1 (Total %)	100.0	0.0	39.4	78.8	21.2	57.6	75.8	63.6	100.0	12.1	36.4	0.0
X<=-10.0	0.0	21.2	0.0	9.1	24.2	0.0	0.0	0.0	0.0	27.3	0.0	6.1
X<-1 (Total %)	0.0	27.3	24.2	18.2	69.7	33.3	9.1	18.2	0.0	39.4	0.0	18.2
Net Change in % Exceedance:	100.0	-27.3	15.2	60.6	-48.5	24.2	66.7	45.5	100.0	-27.3	36.4	-18.2
Net Change in 10% Exceedance	100.0	-21.2	24.2	42.4	-24.2	6.1	6.1	24.2	54.5	-21.2	15.2	-6.1

Long-Term and Water Year-Type Average of Sacramento River Delta Inflow Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116	13,187
Future - Alternative 1	8,372	10,654	21,585	30,619	36,539	30,283	19,495	11,006	11,563	13,692	9,769	13,114	13,016
Difference	22	-144	-497	-857	-959	-441	-6	-3	-3	18	-2	-1	-171
Percent Difference	0%	-1%	-2%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%	-1%
							Water Year-Types						
Wet													
Future - Base	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150	19,185
Future - Alternative 1	8,999	14,259	35,976	49,761	55,734	46,710	30,783	12,274	11,847	17,045	8,760	23,146	18,919
Difference	4	-375	-1,112	-1,273	-1,212	-484	30	-5	1	1	-17	-4	-266
Percent Difference	0%	-3%	-3%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	-1%
Above Normal													
Future - Base	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709	15,067
Future - Alternative 1	9,461	9,947	19,076	39,186	51,782	36,457	18,223	12,048	12,037	14,830	9,002	15,709	14,850
Difference	170	-81	-519	-1,348	-1,130	-712	2	0	-1	0	-3	0	-216
Percent Difference	2%	-1%	-3%	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	-1%
Below Normal													
Future - Base	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570	10,705
Future - Alternative 1	8,181	9,213	16,176	23,754	24,959	23,015	16,493	11,384	12,371	12,797	10,143	6,570	10,541
Difference	-2	-23	-222	-962	-998	-557	0	-2	14	-4	1	0	-164
Percent Difference	0%	0%	-1%	-4%	-4%	-2%	0%	0%	0%	0%	0%	0%	-2%
Dry													
Future - Base	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583	9,426
Future - Alternative 1	7,696	9,091	14,205	15,798	23,371	20,639	12,907	10,465	11,587	11,722	11,002	6,583	9,325
Difference	0	-38	-92	-344	-789	-403	-54	-6	6	7	-2	0	-101
Percent Difference	0%	0%	-1%	-2%	-3%	-2%	0%	0%	0%	0%	0%	0%	-1%
Critical													
Future - Base	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975	7,426
Future - Alternative 1	7,349	7,655	10,864	13,430	15,472	12,982	10,438	7,800	9,595	9,638	10,201	6,974	7,377
Difference	-13	-8	-115	-244	-496	-40	-16	5	-49	111	28	-1	-49
Percent Difference	0%	0%	-1%	-2%	-3%	0%	0%	0%	-1%	1%	0%	0%	-1%

Sacramento River Delta Inflow

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,235	17,027	51,654	65,553	69,785	60,402	45,827	14,062	14,775	19,566	11,080	23,931
20%	8,769	12,121	31,691	57,934	63,984	51,170	26,603	12,353	13,371	17,266	10,982	23,302
30%	8,164	10,380	21,194	41,318	55,940	41,821	18,011	11,604	12,742	14,296	10,796	21,171
40%	7,981	9,237	17,702	28,066	43,996	30,782	15,285	11,092	11,853	13,342	10,577	15,579
50%	7,891	8,609	16,336	22,928	32,847	22,574	13,363	10,364	11,233	12,636	10,333	6,896
60%	7,870	7,940	13,685	19,586	22,299	17,435	12,171	9,646	10,701	12,343	9,683	6,650
70%	7,816	7,863	12,583	14,988	18,509	15,725	11,343	9,037	10,289	11,773	8,734	6,595
80%	7,655	7,666	9,913	12,874	16,673	13,489	10,154	8,418	9,791	11,041	8,421	6,535
90%	6,420	6,929	9,262	10,998	14,384	11,578	8,911	7,956	8,712	9,884	7,899	6,418
Long Term												
Full Simulation Period	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116
Water Year Types												
Wet	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150
Above Normal	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709
Below Normal	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570
Dry	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583
Critical	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975

Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,257	16,738	49,566	65,223	69,804	60,343	45,828	14,062	14,777	19,564	11,070	23,922
20%	8,823	12,099	29,549	55,977	63,174	50,743	26,619	12,351	13,380	17,266	10,980	23,303
30%	8,221	10,350	20,604	38,072	53,107	41,162	18,011	11,602	12,750	14,294	10,796	21,171
40%	7,981	9,223	17,551	26,118	42,281	28,768	15,285	11,098	11,854	13,338	10,578	15,580
50%	7,891	8,586	16,207	22,219	31,049	22,146	13,361	10,364	11,211	12,637	10,278	6,896
60%	7,852	7,929	13,665	19,174	21,223	17,332	12,171	9,646	10,718	12,342	9,683	6,650
70%	7,814	7,852	12,537	14,907	18,151	15,647	11,132	9,037	10,289	11,777	8,734	6,595
80%	7,655	7,661	9,898	12,832	16,531	13,436	10,281	8,418	9,790	11,212	8,455	6,535
90%	6,455	6,924	9,257	10,979	14,362	11,579	8,998	7,949	8,711	9,954	7,901	6,418
Long Term												
Full Simulation Period	8,372	10,654	21,585	30,619	36,539	30,283	19,495	11,006	11,563	13,692	9,769	13,114
Water Year Types												
Wet	8,999	14,259	35,976	49,761	55,734	46,710	30,783	12,274	11,847	17,045	8,760	23,146
Above Normal	9,461	9,947	19,076	39,186	51,782	36,457	18,223	12,048	12,037	14,830	9,002	15,709
Below Normal	8,181	9,213	16,176	23,754	24,959	23,015	16,493	11,384	12,371	12,797	10,143	6,570
Dry	7,696	9,091	14,205	15,798	23,371	20,639	12,907	10,465	11,587	11,722	11,002	6,583
Critical	7,349	7,655	10,864	13,430	15,472	12,982	10,438	7,800	9,595	9,638	10,201	6,974

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	23	-289	-2,088	-330	19	-59	1	0	2	-2	-10	-9
20%	54	-22	-2,142	-1,957	-811	-428	16	-2	9	0	-2	2
30%	58	-30	-591	-3,246	-2,833	-659	0	-2	8	-2	1	0
40%	0	-14	-151	-1,948	-1,715	-2,014	0	6	1	-3	0	0
50%	0	-23	-129	-709	-1,798	-427	-2	0	-22	1	-55	-1
60%	-18	-11	-20	-412	-1,077	-103	0	0	17	-1	0	0
70%	-2	-12	-46	-82	-358	-78	-211	0	0	5	0	0
80%	0	-5	-16	-42	-142	-52	127	0	0	171	33	0
90%	35	-5	-5	-19	-22	2	88	-7	-1	70	1	0
Long Term												
Full Simulation Period	22	-144	-497	-857	-959	-441	-6	-3	-3	18	-2	-1
Water Year Types												
Wet	4	-375	-1,112	-1,273	-1,212	-484	30	-5	1	1	-17	-4
Above Normal	170	-81	-519	-1,348	-1,130	-712	2	0	-1	0	-3	0
Below Normal	-2	-23	-222	-962	-998	-557	0	-2	14	-4	1	0
Dry	0	-38	-92	-344	-789	-403	-54	-6	6	7	-2	0
Critical	-13	-8	-115	-244	-496	-40	-16	5	-49	111	28	-1

Long-Term and Water Year-Type Average of Total CVP Deliveries North of the Delta Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944	2,234
Future - Alternative 1	1,473	705	382	224	235	323	5,015	5,427	7,762	7,613	5,752	1,944	2,234
Difference	0	0	0	0	-1	0	0	0	0	8	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142	2,294
Future - Alternative 1	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142	2,294
Difference	0	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%
Above Normal													
Future - Base	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186	2,288
Future - Alternative 1	1,455	694	376	226	236	239	4,896	5,545	7,962	7,972	5,944	2,186	2,288
Difference	-2	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%
Below Normal													
Future - Base	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881	2,280
Future - Alternative 1	1,574	746	411	234	227	327	5,295	5,621	7,826	7,666	5,800	1,881	2,280
Difference	0	0	0	0	-6	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793	2,233
Future - Alternative 1	1,508	709	382	229	237	331	5,227	5,486	7,678	7,542	5,719	1,793	2,233
Difference	0	0	0	0	0	0	0	0	-1	-1	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613	2,004
Future - Alternative 1	1,430	744	395	208	229	491	5,500	4,805	6,777	6,287	4,651	1,613	2,007
Difference	0	0	0	0	0	0	0	0	0	55	0	0	3
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%

Total CVP Deliveries North of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,805	942	487	299	267	609	6,547	6,089	8,526	8,483	6,489	2,345
20%	1,755	883	457	252	247	417	5,972	5,927	8,171	8,021	6,143	2,197
30%	1,658	800	416	226	238	324	5,606	5,855	8,035	7,830	5,984	2,126
40%	1,589	744	392	214	238	246	5,384	5,734	7,885	7,765	5,908	2,076
50%	1,479	674	372	213	238	223	5,166	5,604	7,789	7,720	5,830	1,992
60%	1,378	629	349	213	232	214	4,809	5,360	7,687	7,626	5,729	1,927
70%	1,309	601	337	211	230	212	4,680	5,116	7,576	7,431	5,626	1,790
80%	1,217	552	310	198	212	212	4,277	4,968	7,405	7,212	5,449	1,713
90%	1,119	511	297	183	206	199	3,070	4,539	7,117	7,088	5,246	1,500
Long Term												
Full Simulation Period	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944
Water Year Types												
Wet	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142
Above Normal	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186
Below Normal	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881
Dry	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793
Critical	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613

Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,804	942	487	299	267	609	6,547	6,089	8,527	8,483	6,489	2,345
20%	1,755	883	457	252	247	416	5,972	5,927	8,171	8,021	6,143	2,197
30%	1,658	800	416	226	238	324	5,606	5,854	8,035	7,830	5,984	2,126
40%	1,589	744	392	214	238	246	5,384	5,734	7,885	7,765	5,907	2,076
50%	1,479	674	372	213	238	223	5,166	5,603	7,789	7,720	5,831	1,993
60%	1,379	629	349	213	231	214	4,809	5,360	7,687	7,626	5,728	1,927
70%	1,309	601	337	211	230	212	4,680	5,116	7,576	7,428	5,626	1,789
80%	1,217	552	310	198	210	212	4,277	4,968	7,402	7,210	5,449	1,713
90%	1,119	511	297	183	203	199	3,070	4,539	7,117	7,088	5,246	1,499
Long Term												
Full Simulation Period	1,473	705	382	224	235	323	5,015	5,427	7,762	7,613	5,752	1,944
Water Year Types												
Wet	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142
Above Normal	1,455	694	376	226	236	239	4,896	5,545	7,962	7,972	5,944	2,186
Below Normal	1,574	746	411	234	227	327	5,295	5,621	7,826	7,666	5,800	1,881
Dry	1,508	709	382	229	237	331	5,227	5,486	7,678	7,542	5,719	1,793
Critical	1,430	744	395	208	229	491	5,500	4,805	6,777	6,287	4,651	1,613

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	1	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	-1	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	-1	-1	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	-1	0
70%	0	0	0	0	0	0	0	0	0	-3	0	0
80%	0	0	0	0	-3	0	0	-1	-2	-1	0	0
90%	0	0	0	0	-3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	-1	0	0	0	0	8	0	0
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	-2	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	-6	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	-1	-1	0	0
Critical	0	0	0	0	0	0	0	0	0	55	0	0

Long-Term and Water Year-Type Average of Total CVP Deliveries South of the Delta Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213	1,977
Future - Alternative 1	2,541	1,483	1,013	1,043	1,434	1,899	2,274	3,350	4,775	5,104	4,520	3,213	1,976
Difference	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566	2,313
Future - Alternative 1	2,627	1,550	1,094	1,170	1,592	2,232	2,720	3,998	5,834	6,366	5,453	3,565	2,313
Difference	0	0	0	0	-1	0	0	0	-1	-1	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398	2,150
Future - Alternative 1	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,291	5,714	4,982	3,398	2,150
Difference	0	0	0	0	0	1	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183	1,913
Future - Alternative 1	2,569	1,495	1,013	1,030	1,414	1,789	2,112	3,231	4,566	4,843	4,350	3,182	1,913
Difference	0	0	0	0	-1	-1	-1	-1	-2	-3	-2	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068	1,802
Future - Alternative 1	2,498	1,450	976	989	1,371	1,737	2,051	3,008	4,199	4,402	4,028	3,067	1,802
Difference	0	0	0	0	0	-1	-1	-1	-2	-2	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556	1,447
Future - Alternative 1	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,262	3,082	2,556	1,447
Difference	0	0	0	0	0	0	0	0	0	3	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Total CVP Deliveries South of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,941	1,798	1,415	1,688	2,240	2,237	2,991	4,427	6,543	7,218	6,075	3,780
20%	2,680	1,582	1,131	1,233	1,686	2,097	2,545	3,727	5,389	5,832	5,065	3,423
30%	2,638	1,550	1,086	1,155	1,563	2,032	2,485	3,587	5,156	5,552	4,863	3,357
40%	2,592	1,514	1,037	1,069	1,461	1,991	2,369	3,431	4,896	5,239	4,638	3,283
50%	2,558	1,488	1,001	1,006	1,392	1,953	2,330	3,318	4,708	5,013	4,475	3,229
60%	2,543	1,477	986	979	1,342	1,867	2,220	3,270	4,627	4,915	4,405	3,206
70%	2,503	1,445	943	909	1,280	1,698	2,023	3,147	4,424	4,671	4,227	3,144
80%	2,317	1,285	758	649	946	1,506	1,789	2,595	3,551	3,699	3,435	2,852
90%	2,252	1,229	666	483	770	1,506	1,565	2,402	3,208	3,212	3,156	2,749
Long Term												
Full Simulation Period	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213
Water Year Types												
Wet	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566
Above Normal	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398
Below Normal	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183
Dry	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068
Critical	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556

Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,941	1,798	1,415	1,688	2,240	2,237	2,989	4,427	6,543	7,217	6,075	3,780
20%	2,680	1,582	1,131	1,233	1,686	2,097	2,545	3,727	5,389	5,832	5,065	3,423
30%	2,638	1,550	1,086	1,155	1,563	2,032	2,486	3,587	5,156	5,552	4,863	3,357
40%	2,592	1,514	1,037	1,069	1,461	1,991	2,369	3,431	4,896	5,239	4,638	3,283
50%	2,558	1,488	1,001	1,006	1,393	1,955	2,329	3,318	4,707	5,012	4,474	3,229
60%	2,543	1,477	986	979	1,342	1,867	2,219	3,270	4,627	4,915	4,405	3,206
70%	2,503	1,444	943	909	1,279	1,698	2,023	3,145	4,422	4,669	4,225	3,143
80%	2,316	1,284	758	649	946	1,506	1,789	2,593	3,547	3,696	3,432	2,850
90%	2,252	1,229	666	483	770	1,506	1,565	2,402	3,208	3,212	3,156	2,749
Long Term												
Full Simulation Period	2,541	1,483	1,013	1,043	1,434	1,899	2,274	3,350	4,775	5,104	4,520	3,213
Water Year Types												
Wet	2,627	1,550	1,094	1,170	1,592	2,232	2,720	3,998	5,834	6,366	5,453	3,565
Above Normal	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,291	5,714	4,982	3,398
Below Normal	2,569	1,495	1,013	1,030	1,414	1,789	2,112	3,231	4,566	4,843	4,350	3,182
Dry	2,498	1,450	976	989	1,371	1,737	2,051	3,008	4,199	4,402	4,028	3,067
Critical	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,262	3,082	2,556

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	-1	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	1	2	-1	0	-1	-1	-1	0
60%	0	0	0	0	-1	0	-1	0	0	0	0	0
70%	0	0	0	-1	-1	0	0	-1	-2	-2	-2	-1
80%	-1	-1	-1	0	0	0	0	-2	-4	-3	-4	-1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	-1	-1	-1	-1	0
Water Year Types												
Wet	0	0	0	0	-1	0	0	0	-1	-1	-1	0
Above Normal	0	0	0	0	0	1	0	0	0	0	0	0
Below Normal	0	0	0	0	-1	-1	-1	-1	-2	-3	-2	-1
Dry	0	0	0	0	0	-1	-1	-1	-2	-2	-1	-1
Critical	0	0	0	0	0	0	0	0	0	3	0	0

Long-Term and Water Year-Type Average of Total SWP Deliveries North of the Delta Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806	1,154
Future - Alternative 1	1,387	1,399	897	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806	1,155
Difference	4	5	3	0	0	0	0	0	0	0	0	0	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074	1,213
Future - Alternative 1	1,316	1,417	863	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074	1,215
Difference	13	16	10	0	0	0	0	0	0	0	0	0	2
Percent Difference	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204	1,275
Future - Alternative 1	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204	1,275
Difference	0	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%
Below Normal													
Future - Base	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792	1,216
Future - Alternative 1	1,651	1,639	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792	1,216
Difference	0	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%
Dry													
Future - Base	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750	1,136
Future - Alternative 1	1,337	1,248	830	347	9	103	2,053	2,604	3,082	2,985	2,385	1,750	1,136
Difference	0	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%
Critical													
Future - Base	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967	881
Future - Alternative 1	1,172	1,146	734	313	9	182	2,067	1,832	2,185	2,240	1,680	967	881
Difference	0	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%

Total SWP Deliveries North of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,163	2,065	1,372	614	20	198	2,860	3,128	3,657	3,561	2,846	2,296
20%	2,011	1,961	1,290	520	20	128	2,556	3,038	3,510	3,477	2,800	2,233
30%	1,827	1,898	1,219	469	20	45	2,378	2,974	3,442	3,369	2,687	2,175
40%	1,653	1,843	1,157	443	19	45	2,110	2,899	3,373	3,302	2,608	2,118
50%	1,404	1,703	1,024	383	15	45	2,006	2,738	3,312	3,227	2,577	2,049
60%	1,320	1,495	940	266	11	45	1,845	2,648	3,201	3,168	2,531	1,963
70%	1,203	1,193	681	154	4	45	1,739	2,470	3,116	3,106	2,484	1,662
80%	861	570	347	60	3	32	1,397	1,931	2,987	2,952	2,290	1,247
90%	277	53	12	11	2	20	1,141	1,669	1,927	1,929	1,506	987
Long Term												
Full Simulation Period	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806
Water Year Types												
Wet	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074
Above Normal	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204
Below Normal	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792
Dry	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750
Critical	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967

Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,163	2,065	1,372	614	20	198	2,860	3,128	3,657	3,561	2,846	2,296
20%	2,011	1,961	1,290	520	20	128	2,556	3,039	3,510	3,477	2,800	2,233
30%	1,827	1,898	1,219	469	20	45	2,378	2,974	3,442	3,369	2,686	2,175
40%	1,653	1,843	1,157	443	19	45	2,110	2,899	3,373	3,302	2,608	2,118
50%	1,404	1,703	1,024	383	15	45	2,006	2,738	3,312	3,227	2,577	2,049
60%	1,320	1,495	940	266	11	45	1,845	2,648	3,201	3,168	2,531	1,963
70%	1,203	1,193	681	154	4	45	1,739	2,470	3,116	3,106	2,484	1,662
80%	861	570	347	60	3	32	1,397	1,931	2,987	2,952	2,290	1,247
90%	311	79	12	11	2	20	1,141	1,669	1,927	1,929	1,506	987
Long Term												
Full Simulation Period	1,387	1,399	897	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806
Water Year Types												
Wet	1,316	1,417	863	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074
Above Normal	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204
Below Normal	1,651	1,639	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792
Dry	1,337	1,248	830	347	9	103	2,053	2,604	3,082	2,985	2,385	1,750
Critical	1,172	1,146	734	313	9	182	2,067	1,832	2,185	2,240	1,680	967

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	34	26	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	4	5	3	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	13	16	10	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0

Long-Term and Water Year-Type Average of Total SWP Deliveries South of the Delta Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829	2,489
Future - Alternative 1	4,040	2,980	3,580	469	840	1,528	2,538	3,806	5,156	5,527	5,697	4,819	2,484
Difference	-3	-4	-16	-3	0	-4	-5	-7	-9	-8	-9	-10	-5
Percent Difference	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006	3,210
Future - Alternative 1	4,345	2,991	4,102	1,106	1,816	2,664	3,834	5,363	6,771	6,812	7,149	6,004	3,207
Difference	1	-3	-37	-1	0	-1	-1	-2	-2	-2	-2	-2	-3
Percent Difference	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656	2,949
Future - Alternative 1	4,221	3,439	3,973	253	948	2,291	3,528	4,964	6,240	6,372	6,708	5,652	2,945
Difference	-9	-6	-8	-22	-1	-3	-2	-3	-4	-4	-4	-3	-4
Percent Difference	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329	2,596
Future - Alternative 1	4,459	3,195	3,755	277	459	927	2,646	3,952	5,471	6,022	6,251	5,321	2,592
Difference	-7	-4	-6	0	0	-14	-7	-3	-5	-7	-10	-8	-4
Percent Difference	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140	1,994
Future - Alternative 1	3,822	2,755	3,099	122	198	820	1,517	2,575	4,074	4,820	4,848	4,135	1,990
Difference	-3	-5	-5	0	-1	-1	-7	-12	-10	-6	-5	-5	-4
Percent Difference	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132	1,213
Future - Alternative 1	3,121	2,675	2,704	71	105	196	406	1,265	2,123	2,609	2,438	2,088	1,203
Difference	-4	-4	-6	0	0	-2	-9	-18	-32	-27	-31	-44	-11
Percent Difference	0%	0%	0%	0%	0%	-1%	-2%	-1%	-1%	-1%	-1%	-2%	-1%

Total SWP Deliveries South of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,024	4,586	5,669	1,962	2,014	2,905	4,303	5,987	7,491	7,386	7,710	6,606
20%	5,428	4,361	5,320	595	1,939	2,706	3,782	5,413	6,881	7,045	7,177	6,208
30%	5,007	4,042	4,484	231	1,754	2,547	3,546	4,855	6,162	6,469	6,763	5,710
40%	4,894	3,793	4,121	172	634	2,500	3,396	4,756	6,020	6,231	6,634	5,517
50%	4,695	3,368	3,879	145	305	1,970	3,227	4,579	5,814	6,154	6,532	5,440
60%	4,383	2,362	3,600	104	193	456	2,566	3,547	5,530	5,944	6,369	5,228
70%	2,920	2,054	2,708	91	137	337	1,514	2,544	4,505	5,640	5,920	4,934
80%	2,451	1,296	1,887	72	112	220	520	2,078	3,482	4,247	3,946	3,332
90%	1,299	897	964	56	55	146	301	1,184	1,956	2,357	2,163	1,854
Long Term												
Full Simulation Period	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829
Water Year Types												
Wet	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006
Above Normal	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656
Below Normal	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329
Dry	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140
Critical	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132

Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,027	4,585	5,670	1,963	2,014	2,905	4,305	5,989	7,493	7,390	7,707	6,606
20%	5,429	4,362	5,319	595	1,939	2,681	3,783	5,413	6,881	7,037	7,166	6,209
30%	5,007	4,042	4,484	233	1,748	2,584	3,547	4,855	6,161	6,426	6,762	5,712
40%	4,894	3,772	4,118	172	615	2,487	3,396	4,756	6,020	6,233	6,635	5,522
50%	4,683	3,357	3,869	145	309	1,945	3,227	4,570	5,805	6,155	6,532	5,437
60%	4,354	2,381	3,594	108	193	456	2,549	3,510	5,530	5,940	6,350	5,226
70%	2,959	2,042	2,496	91	137	335	1,464	2,535	4,489	5,641	5,902	4,935
80%	2,446	1,298	1,884	74	112	221	520	2,077	3,481	4,245	3,941	3,325
90%	1,282	873	957	56	55	142	297	1,173	1,938	2,335	2,143	1,848
Long Term												
Full Simulation Period	4,040	2,980	3,580	469	840	1,528	2,538	3,806	5,156	5,527	5,697	4,819
Water Year Types												
Wet	4,345	2,991	4,102	1,106	1,816	2,664	3,834	5,363	6,771	6,812	7,149	6,004
Above Normal	4,221	3,439	3,973	253	948	2,291	3,528	4,964	6,240	6,372	6,708	5,652
Below Normal	4,459	3,195	3,755	277	459	927	2,646	3,952	5,471	6,022	6,251	5,321
Dry	3,822	2,755	3,099	122	198	820	1,517	2,575	4,074	4,820	4,848	4,135
Critical	3,121	2,675	2,704	71	105	196	406	1,265	2,123	2,609	2,438	2,088

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3	0	1	2	0	0	3	2	2	4	-2	0
20%	1	0	-1	-1	0	-25	0	0	1	-9	-11	1
30%	0	0	0	2	-6	37	1	-1	-1	-43	-1	2
40%	0	-21	-3	0	-19	-14	0	0	0	2	1	5
50%	-12	-11	-10	1	4	-25	0	-9	-9	1	0	-3
60%	-29	18	-6	4	0	0	-17	-37	0	-4	-19	-2
70%	39	-12	-213	0	0	-2	-50	-9	-16	2	-18	1
80%	-5	2	-3	1	0	0	-1	-1	0	-3	-5	-7
90%	-17	-24	-7	0	0	-5	-3	-11	-18	-22	-20	-6
Long Term												
Full Simulation Period	-3	-4	-16	-3	0	-4	-5	-7	-9	-8	-9	-10
Water Year Types												
Wet	1	-3	-37	-1	0	-1	-1	-2	-2	-2	-2	-2
Above Normal	-9	-6	-8	-22	-1	-3	-2	-3	-4	-4	-4	-3
Below Normal	-7	-4	-6	0	0	-14	-7	-3	-5	-7	-10	-8
Dry	-3	-5	-5	0	-1	-1	-7	-12	-10	-6	-5	-5
Critical	-4	-4	-6	0	0	-2	-9	-18	-32	-27	-31	-44

Long-Term and Water Year-Type Average of Fremont Weir Spill to Yolo Bypass Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0	2,453
Future - Alternative 1	43	201	3,254	13,056	17,951	8,938	1,050	3	0	0	0	0	2,634
Difference	0	144	499	899	1,022	472	0	0	0	0	0	0	181
Percent Difference	0%	253%	18%	7%	6%	6%	0%	0%	0%	0%	0%	0%	7%
							Water Year-Types						
Wet													
Future - Base	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0	6,503
Future - Alternative 1	135	564	8,785	35,497	42,525	23,655	3,236	10	0	0	0	0	6,786
Difference	0	384	1,193	1,350	1,305	505	0	0	0	0	0	0	283
Percent Difference	0%	213%	16%	4%	3%	2%	0%	0%	0%	0%	0%	0%	4%
Above Normal													
Future - Base	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0	2,432
Future - Alternative 1	0	70	1,318	10,536	26,533	6,976	14	0	0	0	0	0	2,661
Difference	0	70	373	1,330	1,292	768	0	0	0	0	0	0	228
Percent Difference	0%	0%	39%	14%	5%	12%	0%	0%	0%	0%	0%	0%	9%
Below Normal													
Future - Base	0	0	1,390	583	1,456	737	137	0	0	0	0	0	257
Future - Alternative 1	0	24	1,624	1,598	2,529	1,331	137	0	0	0	0	0	431
Difference	0	24	234	1,015	1,073	594	0	0	0	0	0	0	175
Percent Difference	0%	0%	17%	174%	74%	81%	0%	0%	0%	0%	0%	0%	68%
Dry													
Future - Base	0	0	0	11	981	717	0	0	0	0	0	0	99
Future - Alternative 1	0	34	113	390	1,852	1,151	0	0	0	0	0	0	207
Difference	0	34	113	379	872	434	0	0	0	0	0	0	108
Percent Difference	0%	0%	0%	3507%	89%	60%	0%	0%	0%	0%	0%	0%	108%
Critical													
Future - Base	0	0	0	0	26	0	0	0	0	0	0	0	1
Future - Alternative 1	0	8	42	265	381	65	0	0	0	0	0	0	45
Difference	0	8	42	265	355	65	0	0	0	0	0	0	44
Percent Difference	0%	0%	0%	0%	1362%	0%	0%	0%	0%	0%	0%	0%	2904%

Fremont Weir Spill to Yolo Bypass

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	9,636	45,653	68,479	26,076	480	0	0	0	0	0
20%	0	0	417	14,794	32,134	7,332	2	0	0	0	0	0
30%	0	0	0	2,685	10,131	3,487	0	0	0	0	0	0
40%	0	0	0	83	4,103	180	0	0	0	0	0	0
50%	0	0	0	0	501	0	0	0	0	0	0	0
60%	0	0	0	0	3	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0
Water Year Types												
Wet	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0
Above Normal	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0
Below Normal	0	0	1,390	583	1,456	737	137	0	0	0	0	0
Dry	0	0	0	11	981	717	0	0	0	0	0	0
Critical	0	0	0	0	26	0	0	0	0	0	0	0

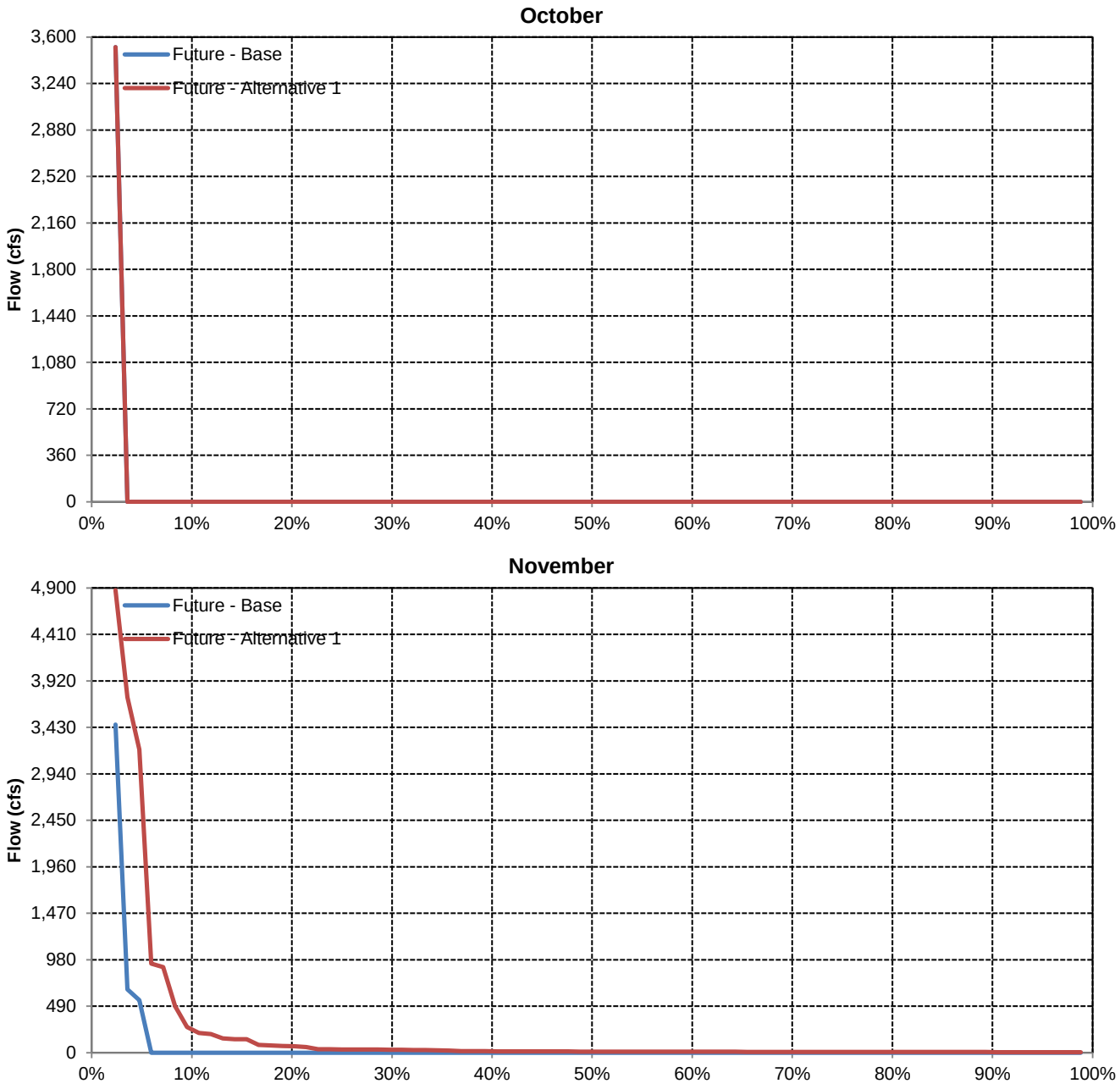
Future - Alternative 1

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	204	10,818	45,855	68,863	26,477	480	0	0	0	0	0
20%	0	63	2,382	16,585	32,803	8,186	2	0	0	0	0	0
30%	0	31	432	6,412	12,402	4,102	0	0	0	0	0	0
40%	0	14	234	2,342	6,510	1,790	0	0	0	0	0	0
50%	0	11	128	1,029	3,077	467	0	0	0	0	0	0
60%	0	10	41	423	1,150	209	0	0	0	0	0	0
70%	0	9	14	102	380	118	0	0	0	0	0	0
80%	0	7	10	32	165	31	0	0	0	0	0	0
90%	0	7	8	17	39	8	0	0	0	0	0	0
Long Term												
Full Simulation Period	43	201	3,254	13,056	17,951	8,938	1,050	3	0	0	0	0
Water Year Types												
Wet	135	564	8,785	35,497	42,525	23,655	3,236	10	0	0	0	0
Above Normal	0	70	1,318	10,536	26,533	6,976	14	0	0	0	0	0
Below Normal	0	24	1,624	1,598	2,529	1,331	137	0	0	0	0	0
Dry	0	34	113	390	1,852	1,151	0	0	0	0	0	0
Critical	0	8	42	265	381	65	0	0	0	0	0	0

Future - Alternative 1 Minus Future - Base

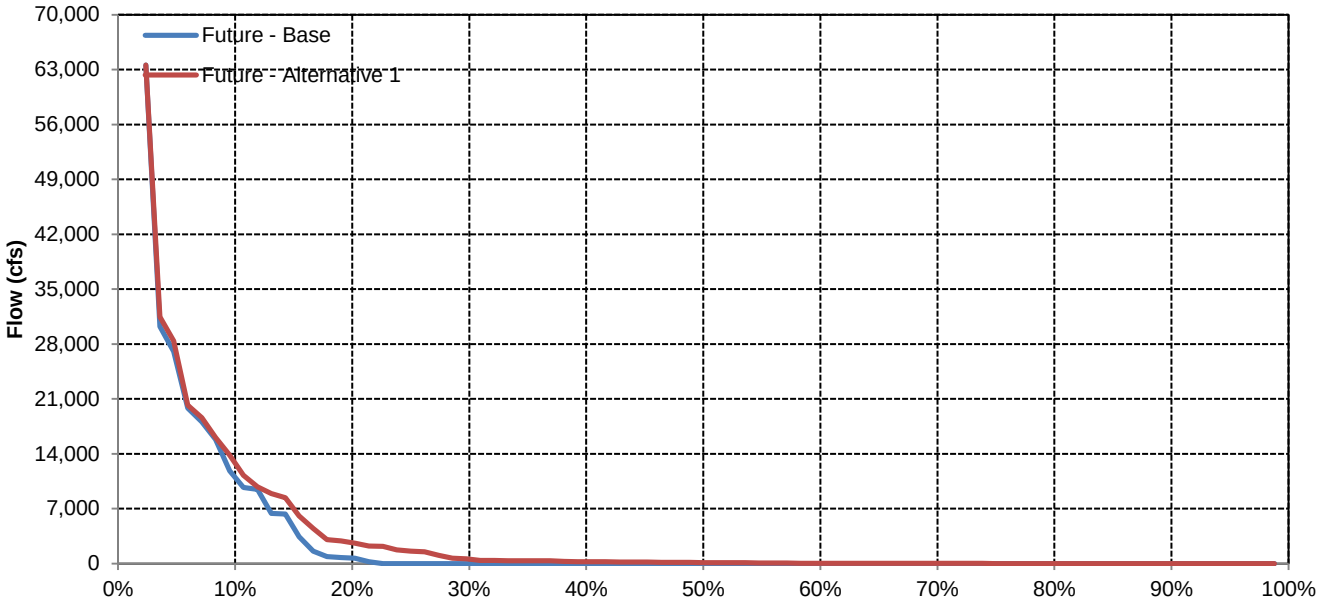
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	204	1,182	202	385	400	0	0	0	0	0	0
20%	0	63	1,965	1,792	669	854	0	0	0	0	0	0
30%	0	31	432	3,727	2,271	614	0	0	0	0	0	0
40%	0	14	234	2,259	2,406	1,610	0	0	0	0	0	0
50%	0	11	128	1,029	2,576	467	0	0	0	0	0	0
60%	0	10	41	423	1,147	209	0	0	0	0	0	0
70%	0	9	14	102	380	118	0	0	0	0	0	0
80%	0	7	10	32	165	31	0	0	0	0	0	0
90%	0	7	8	17	39	8	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	144	499	899	1,022	472	0	0	0	0	0	0
Water Year Types												
Wet	0	384	1,193	1,350	1,305	505	0	0	0	0	0	0
Above Normal	0	70	373	1,330	1,292	768	0	0	0	0	0	0
Below Normal	0	24	234	1,015	1,073	594	0	0	0	0	0	0
Dry	0	34	113	379	872	434	0	0	0	0	0	0
Critical	0	8	42	265	355	65	0	0	0	0	0	0

Fremont Weir Spill to Yolo Bypass

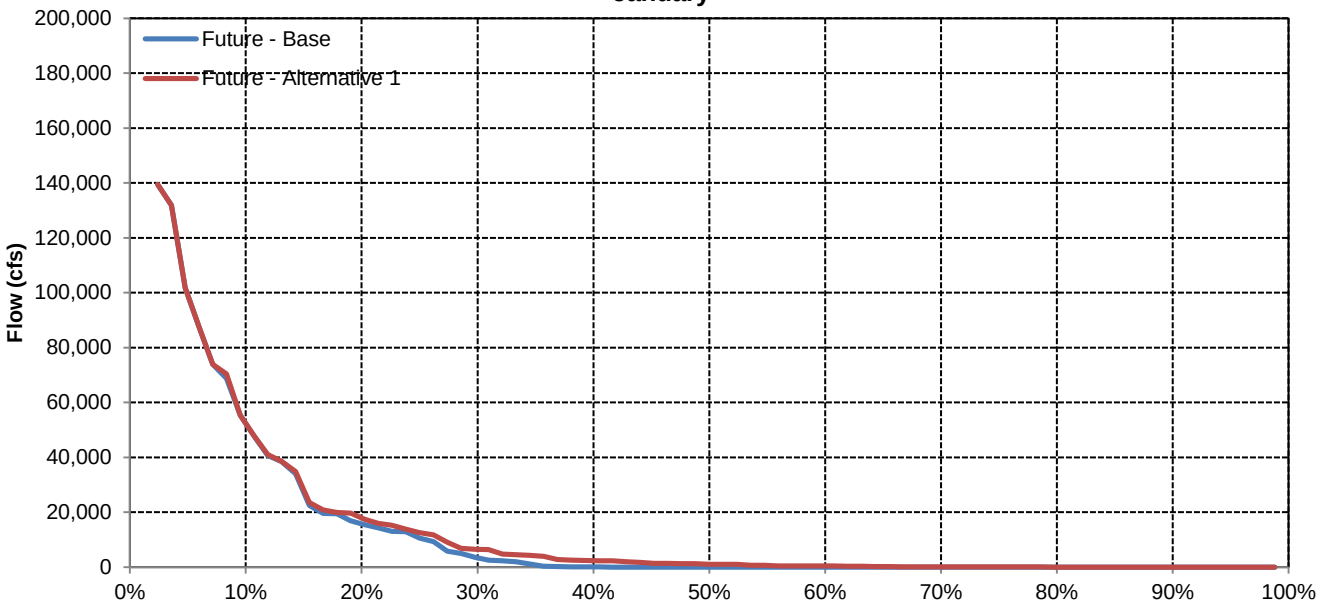


Fremont Weir Spill to Yolo Bypass

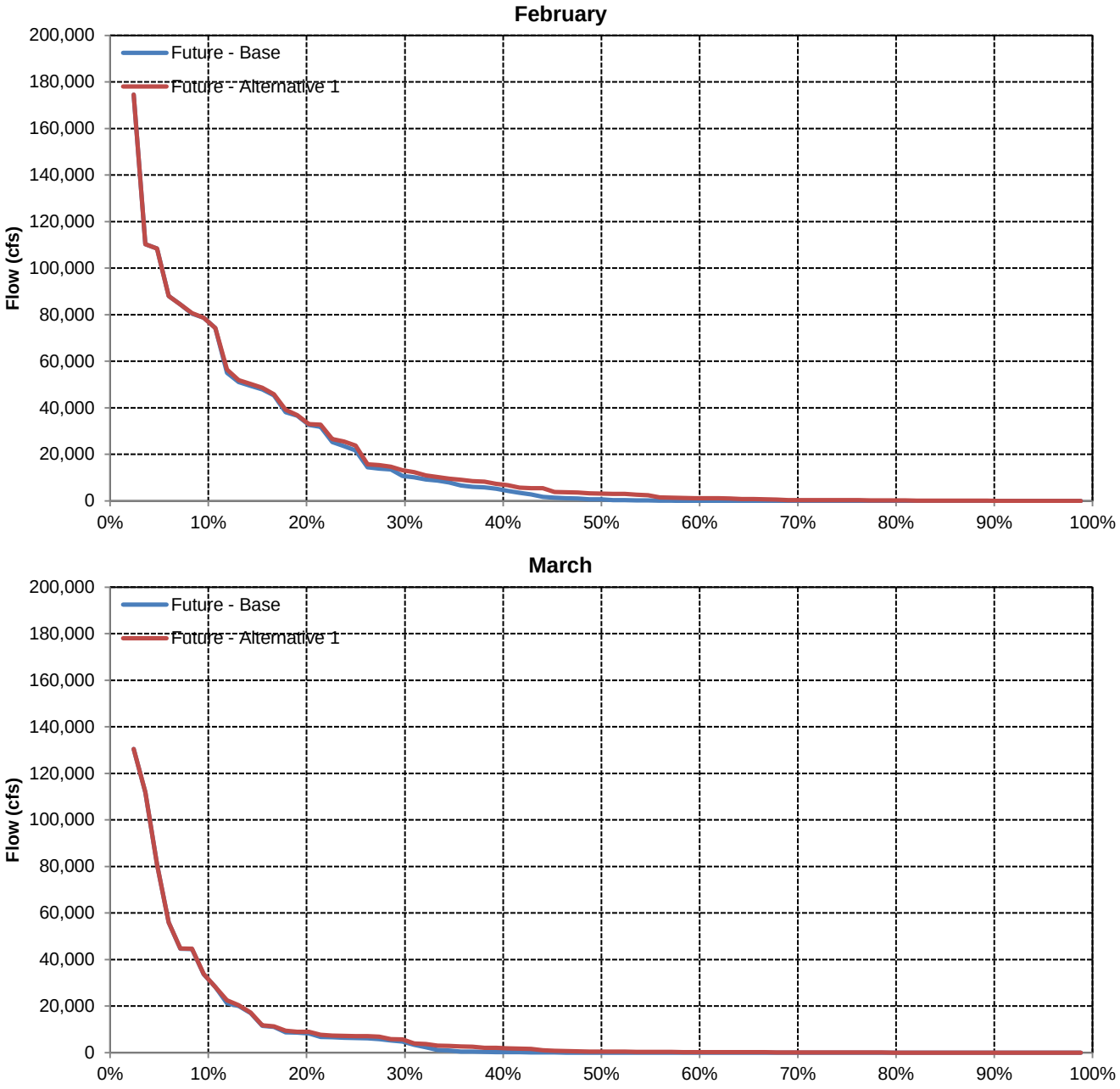
December



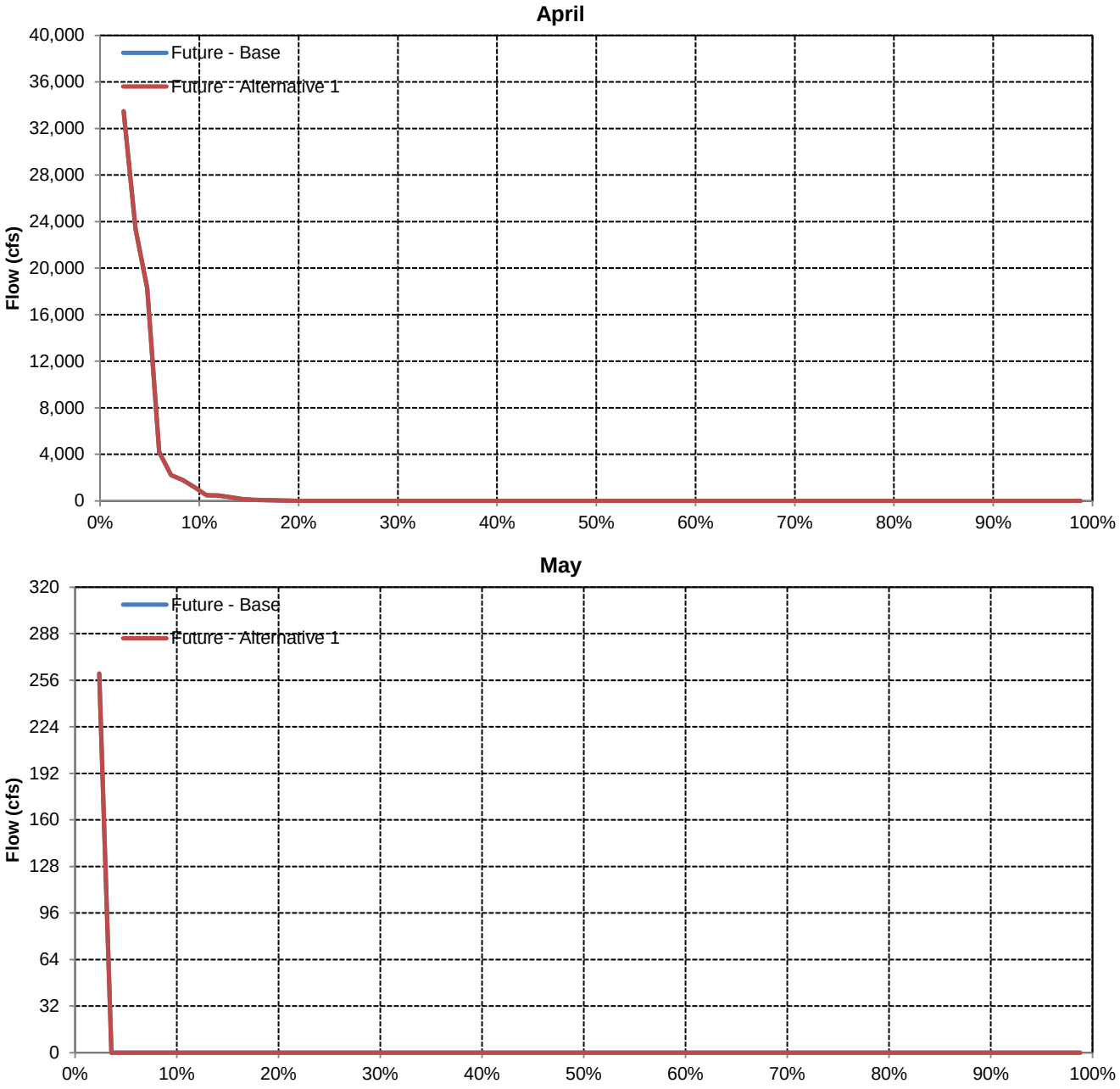
January



Fremont Weir Spill to Yolo Bypass

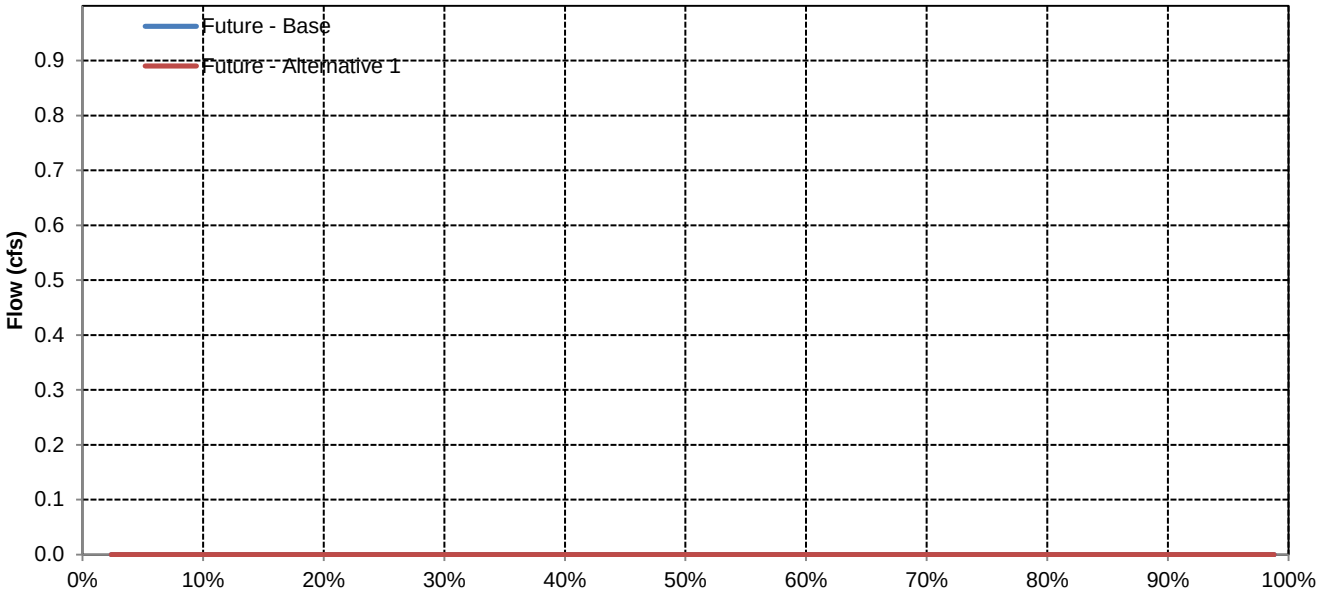


Fremont Weir Spill to Yolo Bypass

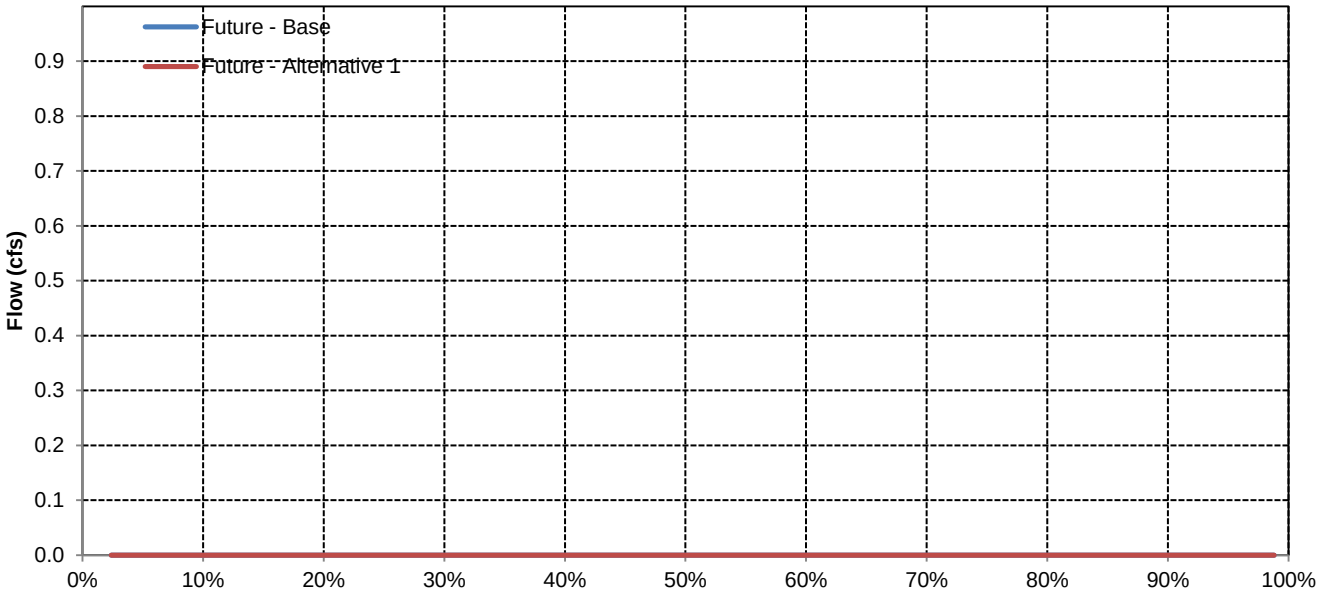


Fremont Weir Spill to Yolo Bypass

June

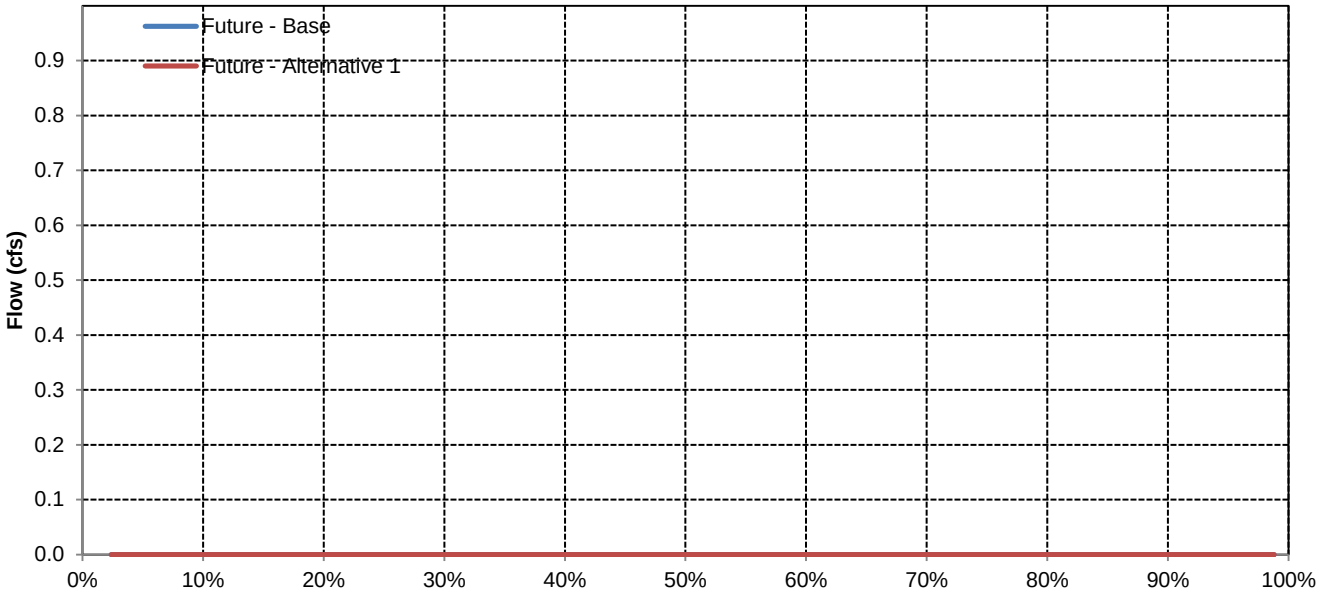


July

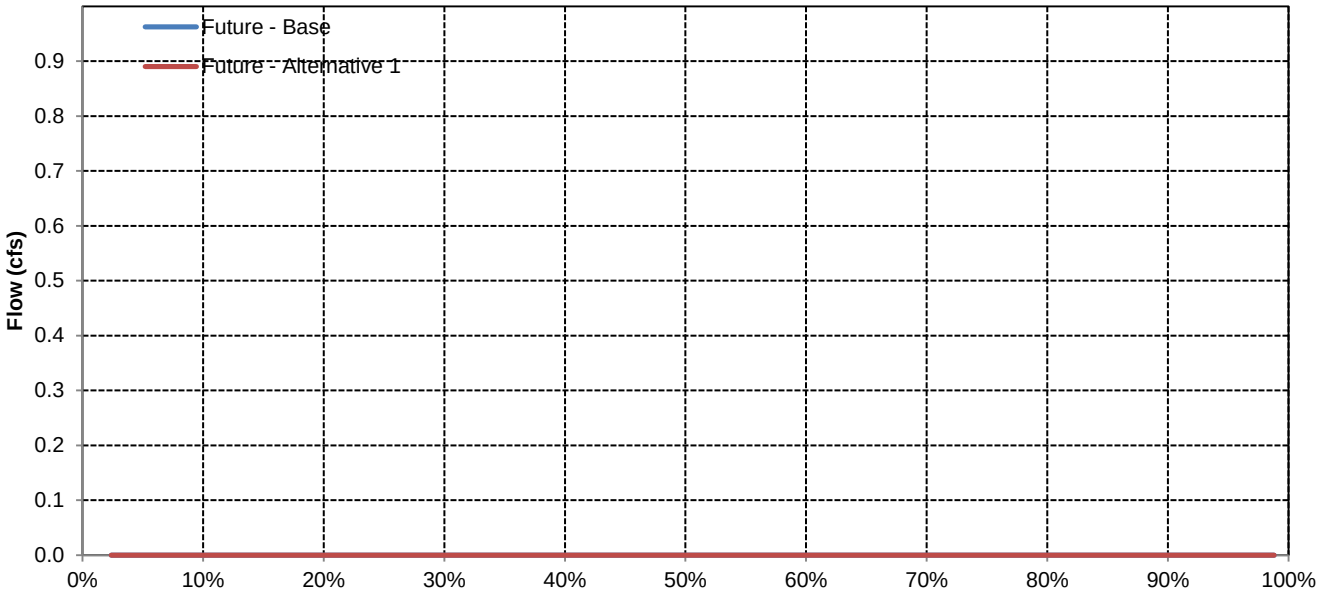


Fremont Weir Spill to Yolo Bypass

August



September



Long-Term and Water Year-Type Average of Sacramento River below Fremont Weir Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824	13,150
Future - Alternative 1	9,244	10,582	19,188	29,119	34,956	30,555	17,573	10,455	13,669	15,378	11,273	13,822	12,968
Difference	38	-145	-540	-911	-1,023	-473	2	-5	-6	20	0	-1	-181
Percent Difference	0%	-1%	-3%	-3%	-3%	-2%	0%	0%	0%	0%	0%	0%	-1%
							Water Year-Types						
Wet													
Future - Base	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425	19,081
Future - Alternative 1	10,325	13,785	32,381	48,129	53,444	45,845	27,849	12,025	14,178	18,964	12,761	23,424	18,798
Difference	9	-382	-1,200	-1,361	-1,257	-500	1	-3	0	-1	-26	-2	-283
Percent Difference	0%	-3%	-4%	-3%	-2%	-1%	0%	0%	0%	0%	0%	0%	-1%
Above Normal													
Future - Base	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466	15,480
Future - Alternative 1	10,391	10,520	17,560	36,661	49,080	38,620	16,642	11,646	16,366	17,887	12,379	16,467	15,253
Difference	211	-80	-573	-1,405	-1,190	-759	2	0	4	-4	-4	1	-227
Percent Difference	2%	-1%	-3%	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	-1%
Below Normal													
Future - Base	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153	10,869
Future - Alternative 1	9,253	9,773	13,689	22,198	24,473	23,834	14,615	10,738	14,973	15,449	10,461	8,153	10,694
Difference	-1	-24	-235	-1,011	-1,072	-593	0	-21	10	7	-3	0	-175
Percent Difference	0%	0%	-2%	-4%	-4%	-2%	0%	0%	0%	0%	0%	0%	-2%
Dry													
Future - Base	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654	9,257
Future - Alternative 1	8,206	9,274	12,473	14,556	22,010	21,175	11,525	9,422	13,183	12,526	10,166	7,652	9,151
Difference	20	-35	-106	-379	-870	-434	-5	-3	10	3	-3	-1	-106
Percent Difference	0%	0%	-1%	-3%	-4%	-2%	0%	0%	0%	0%	0%	0%	-1%
Critical													
Future - Base	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025	7,121
Future - Alternative 1	7,569	6,757	9,244	12,790	14,883	12,952	9,444	7,373	9,490	9,988	9,760	7,022	7,069
Difference	17	-8	-131	-260	-564	-86	15	1	-75	133	68	-3	-52
Percent Difference	0%	0%	-1%	-2%	-4%	-1%	0%	0%	-1%	1%	1%	0%	-1%

Sacramento River below Fremont Weir

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,897	16,169	45,741	61,582	63,120	58,501	40,381	14,264	19,317	20,306	15,937	23,746
20%	10,789	13,042	30,986	52,000	59,936	50,976	24,134	12,203	18,036	19,458	13,060	23,231
30%	9,787	11,409	19,616	42,207	50,229	42,750	16,494	11,100	17,030	17,789	11,135	21,443
40%	9,396	10,373	16,258	31,518	42,508	33,844	14,502	10,319	14,771	17,206	10,721	14,835
50%	9,004	9,580	14,683	22,826	32,845	25,125	12,720	9,227	12,760	16,197	10,366	9,351
60%	8,421	8,564	12,034	17,536	23,964	20,148	10,605	8,847	11,697	14,641	10,117	8,213
70%	7,953	7,746	10,580	14,086	19,326	17,034	9,863	8,329	10,907	12,994	9,872	7,627
80%	6,644	6,697	8,469	11,527	15,457	13,796	9,349	7,855	9,488	11,435	9,571	7,237
90%	6,027	5,916	7,135	10,183	12,838	10,799	8,626	7,207	8,168	9,224	9,229	6,510
Long Term												
Full Simulation Period	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824
Water Year Types												
Wet	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425
Above Normal	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466
Below Normal	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153
Dry	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654
Critical	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025

Future - Alternative 1

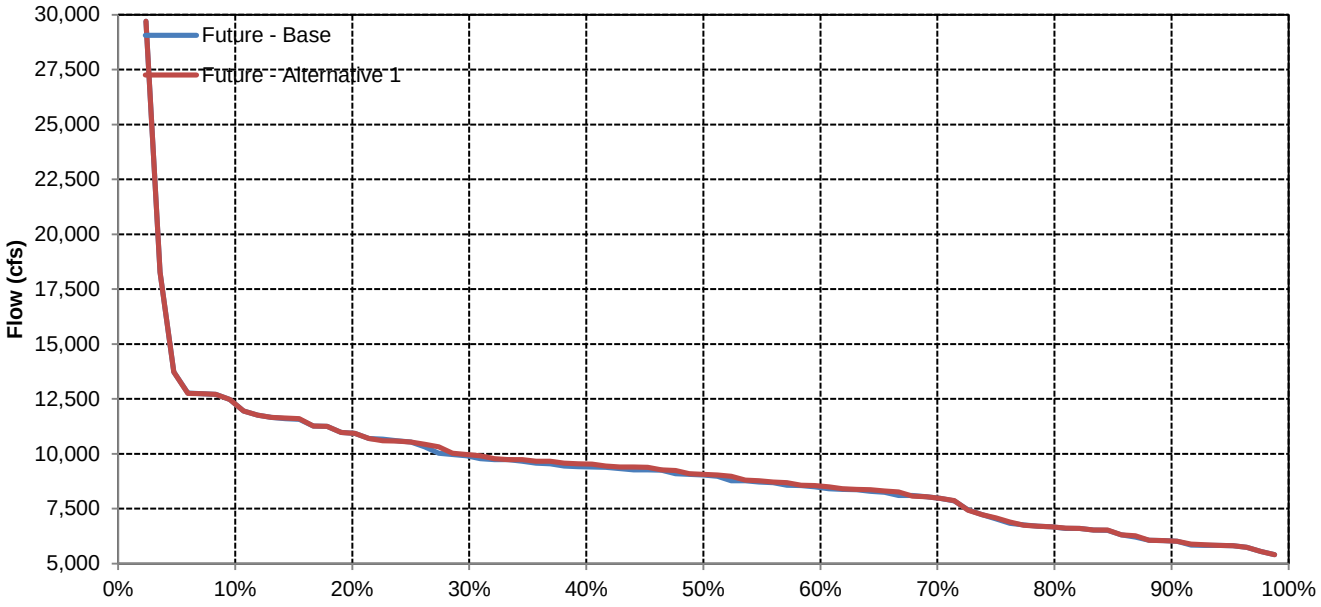
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,897	15,966	43,002	61,231	63,132	58,359	40,381	14,264	19,319	20,310	15,938	23,749
20%	10,789	12,988	29,145	49,775	59,214	50,486	24,150	12,203	18,043	19,460	13,054	23,234
30%	9,909	11,377	19,209	39,294	47,202	41,611	16,491	11,077	17,029	17,844	11,138	21,442
40%	9,519	10,361	16,040	29,198	40,823	31,653	14,502	10,320	14,942	17,364	10,722	14,834
50%	9,045	9,569	14,491	21,677	30,212	24,825	12,720	9,212	12,759	16,199	10,358	9,340
60%	8,510	8,553	11,991	17,086	22,821	19,922	10,605	8,847	11,599	14,709	10,121	8,203
70%	7,953	7,736	10,687	14,030	18,945	16,862	9,863	8,328	10,907	12,997	9,881	7,627
80%	6,652	6,671	8,352	11,512	15,329	13,734	9,359	7,855	9,491	11,437	9,571	7,234
90%	6,027	5,909	7,128	10,164	12,813	10,787	8,652	7,207	8,338	9,226	9,229	6,510
Long Term												
Full Simulation Period	9,244	10,582	19,188	29,119	34,956	30,555	17,573	10,455	13,669	15,378	11,273	13,822
Water Year Types												
Wet	10,325	13,785	32,381	48,129	53,444	45,845	27,849	12,025	14,178	18,964	12,761	23,424
Above Normal	10,391	10,520	17,560	36,661	49,080	38,620	16,642	11,646	16,366	17,887	12,379	16,467
Below Normal	9,253	9,773	13,689	22,198	24,473	23,834	14,615	10,738	14,973	15,449	10,461	8,153
Dry	8,206	9,274	12,473	14,556	22,010	21,175	11,525	9,422	13,183	12,526	10,166	7,652
Critical	7,569	6,757	9,244	12,790	14,883	12,952	9,444	7,373	9,490	9,988	9,760	7,022

Future - Alternative 1 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	-204	-2,739	-350	12	-142	0	0	2	3	1	3
20%	0	-54	-1,842	-2,225	-722	-490	16	0	7	2	-6	4
30%	122	-32	-407	-2,913	-3,027	-1,139	-3	-24	0	55	3	-2
40%	123	-12	-218	-2,321	-1,685	-2,190	-1	1	172	159	0	-1
50%	41	-11	-193	-1,149	-2,633	-300	0	-15	-1	1	-8	-11
60%	89	-11	-44	-449	-1,143	-226	1	0	-98	68	3	-10
70%	1	-9	107	-56	-381	-171	0	0	0	3	9	0
80%	8	-26	-117	-15	-128	-62	9	0	3	2	0	-3
90%	0	-7	-7	-19	-26	-13	25	0	170	2	1	0
Long Term												
Full Simulation Period	38	-145	-540	-911	-1,023	-473	2	-5	-6	20	0	-1
Water Year Types												
Wet	9	-382	-1,200	-1,361	-1,257	-500	1	-3	0	-1	-26	-2
Above Normal	211	-80	-573	-1,405	-1,190	-759	2	0	4	-4	-4	1
Below Normal	-1	-24	-235	-1,011	-1,072	-593	0	-21	10	7	-3	0
Dry	20	-35	-106	-379	-870	-434	-5	-3	10	3	-3	-1
Critical	17	-8	-131	-260	-564	-86	15	1	-75	133	68	-3

Sacramento River below Fremont Weir

October



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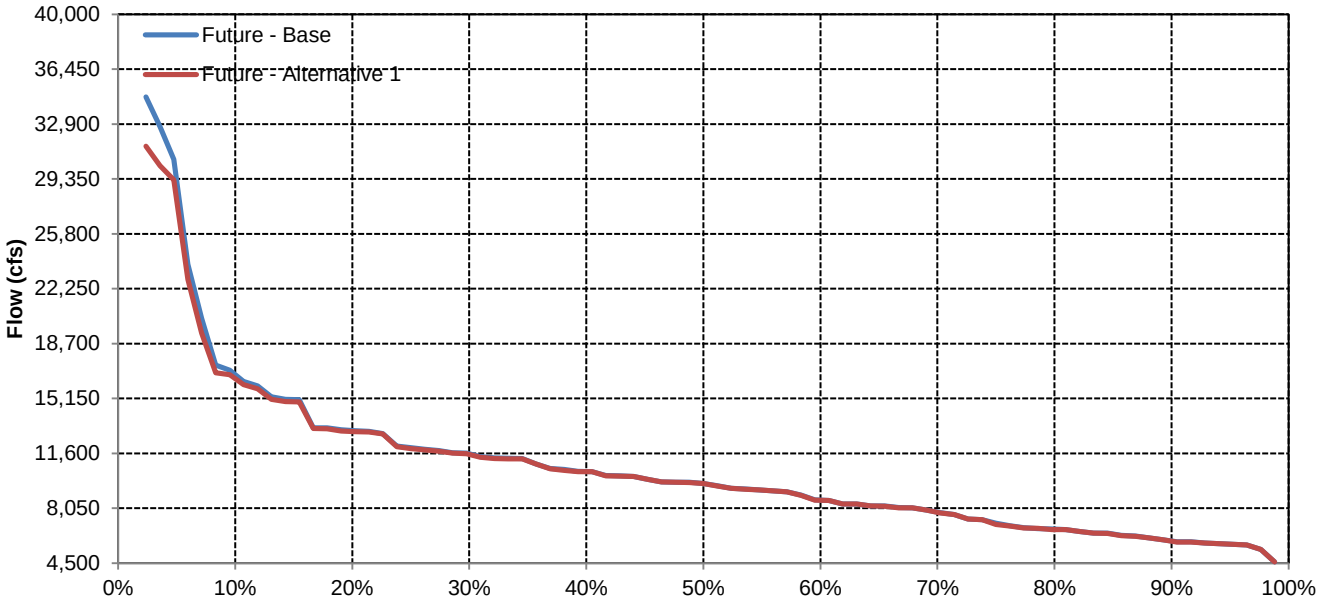
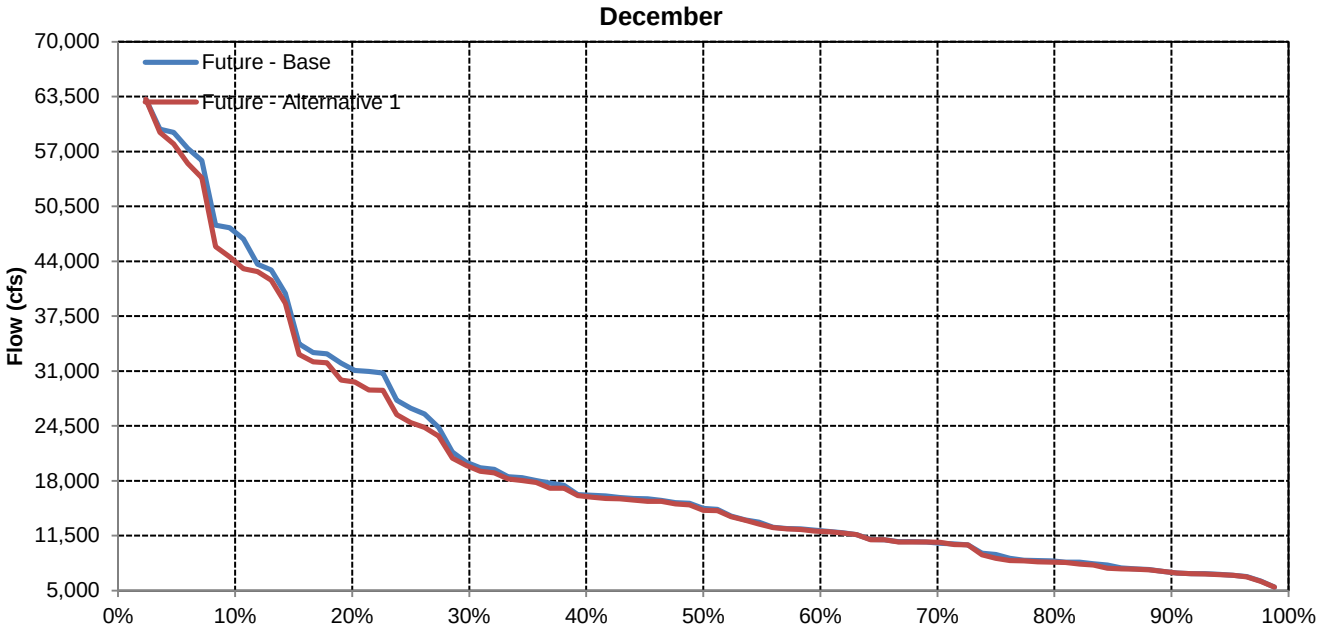
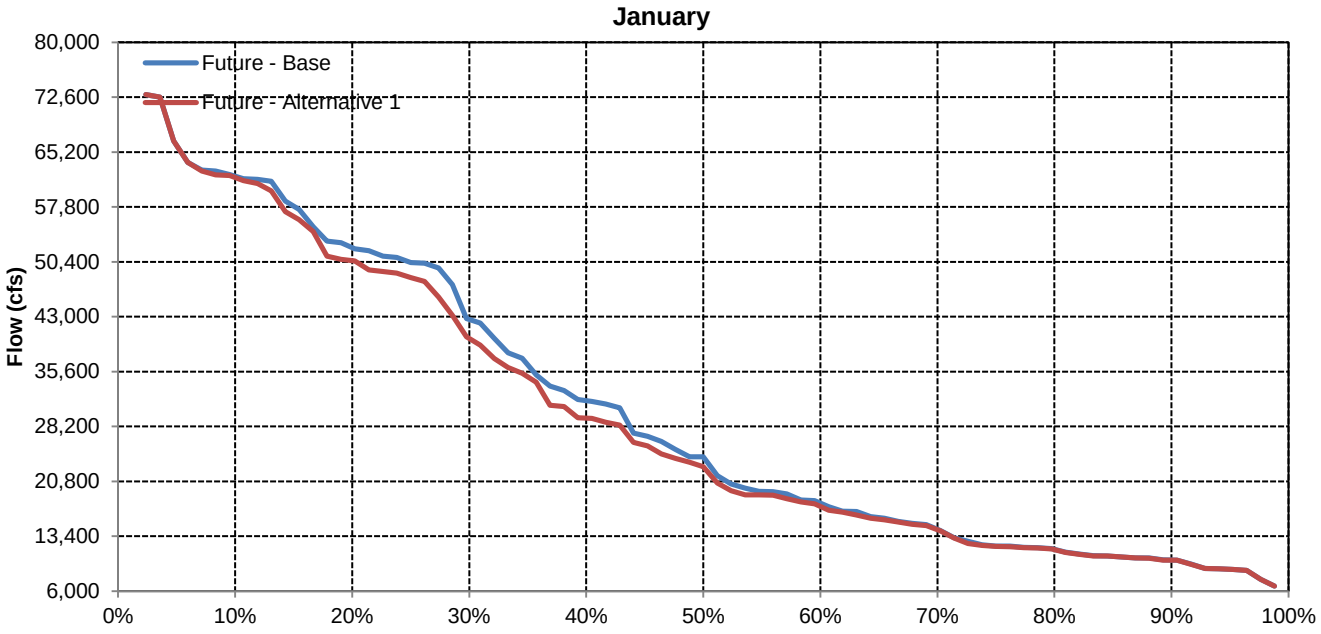
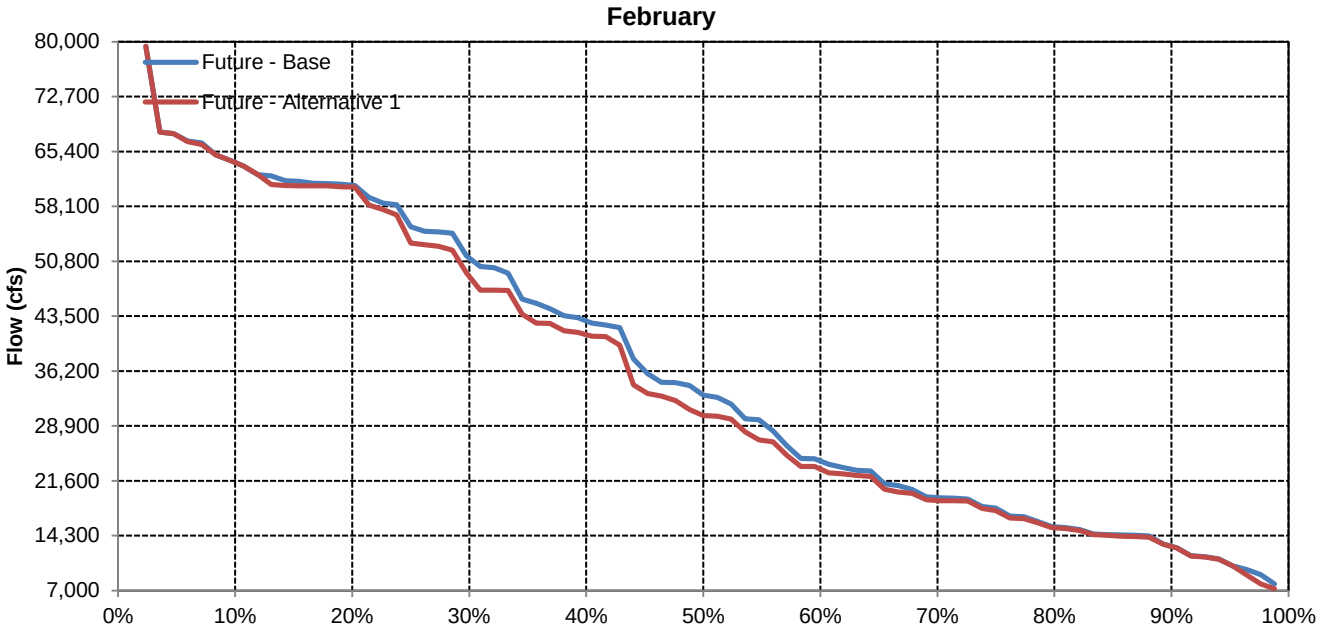


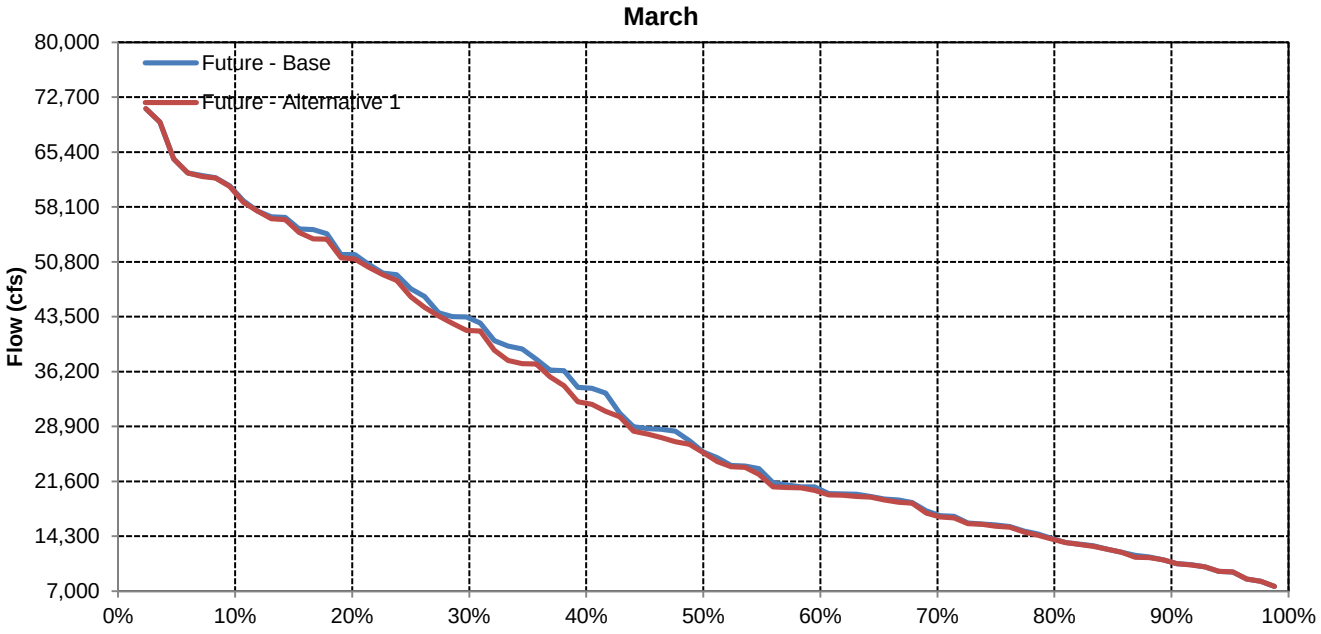
Sacramento River below Fremont Weir



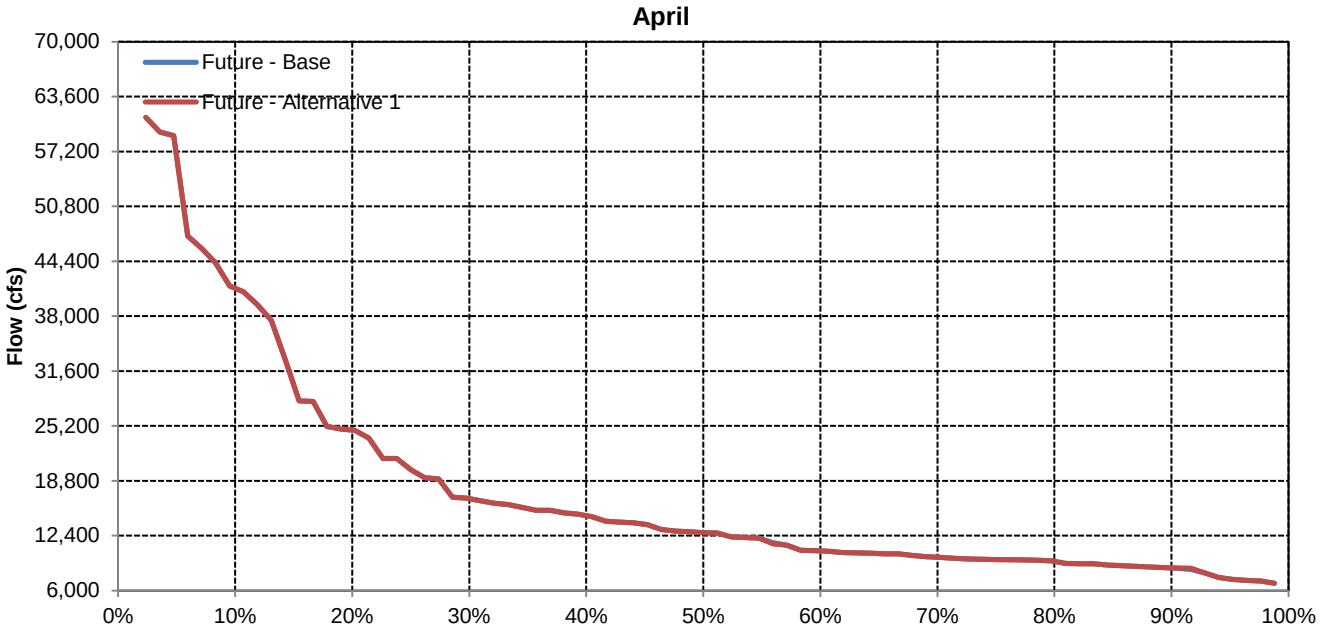


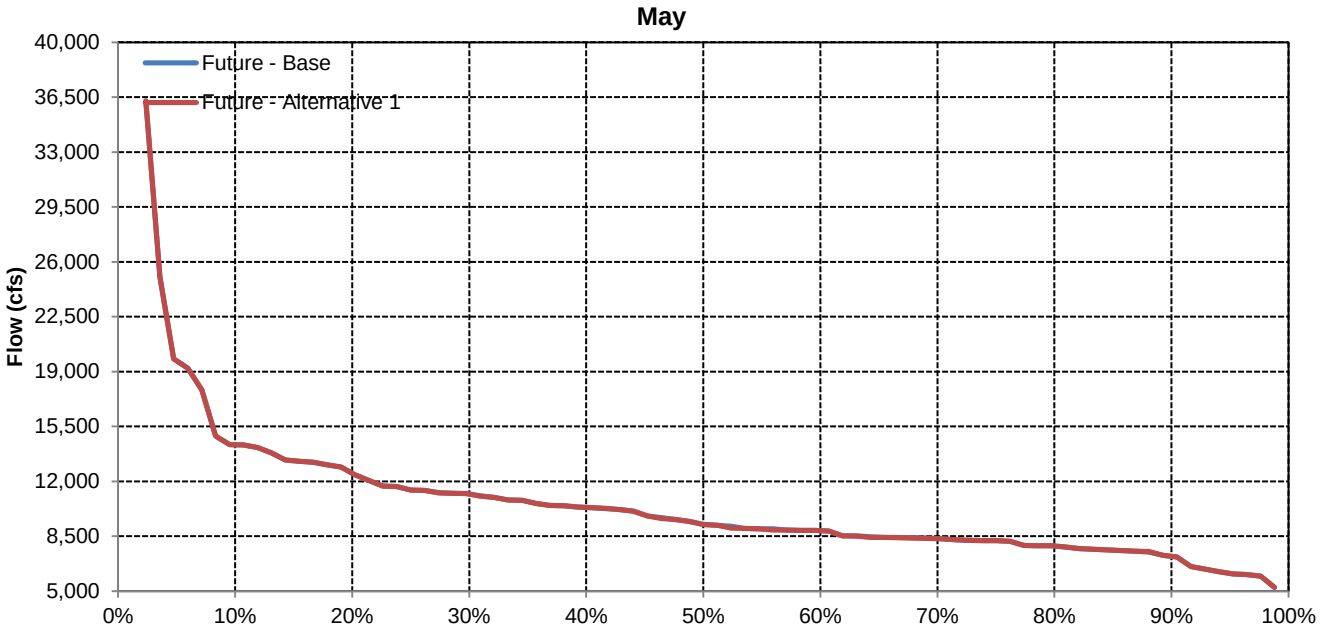
Sacramento River below Fremont Weir



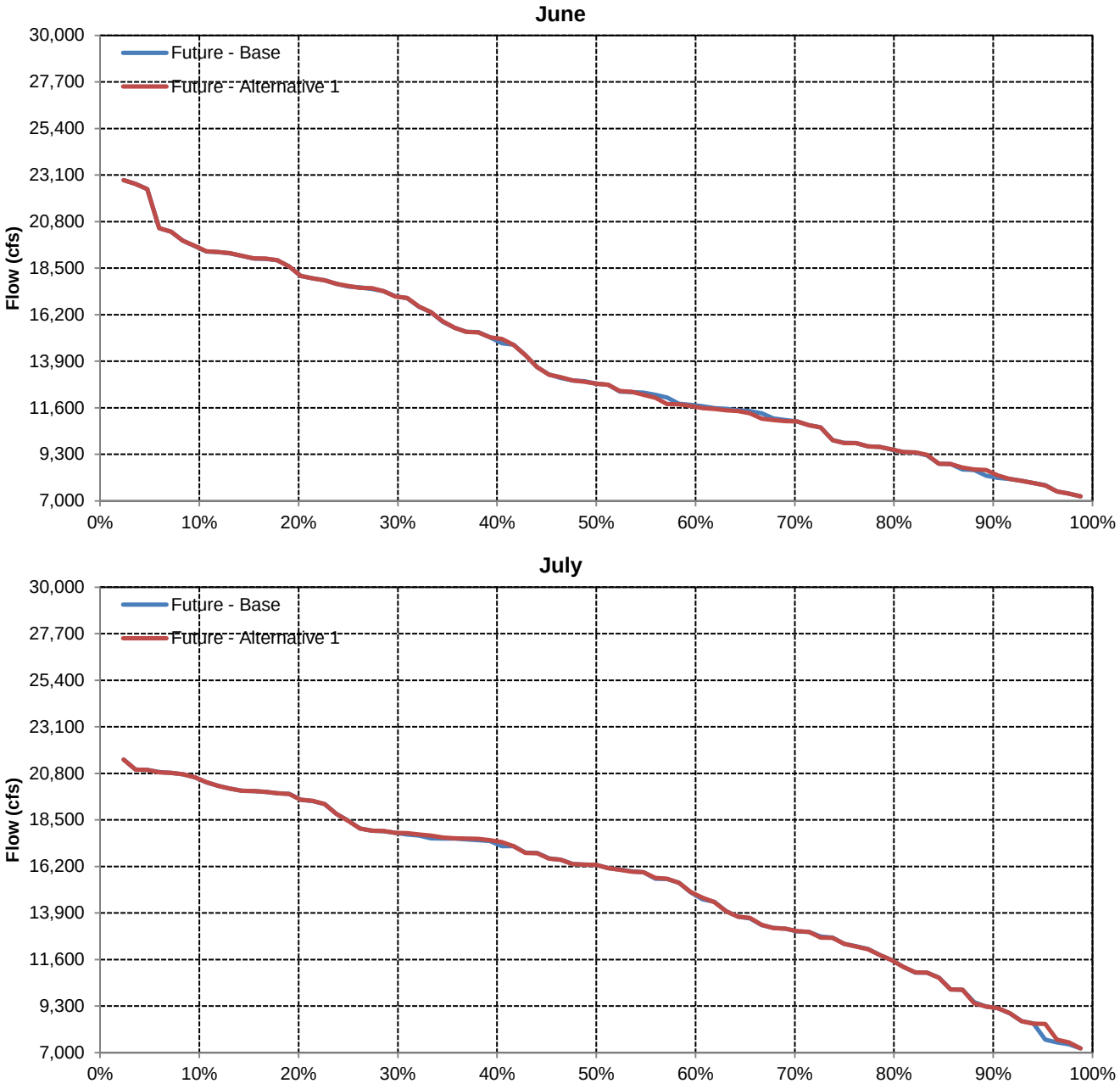


Sacramento River below Fremont Weir



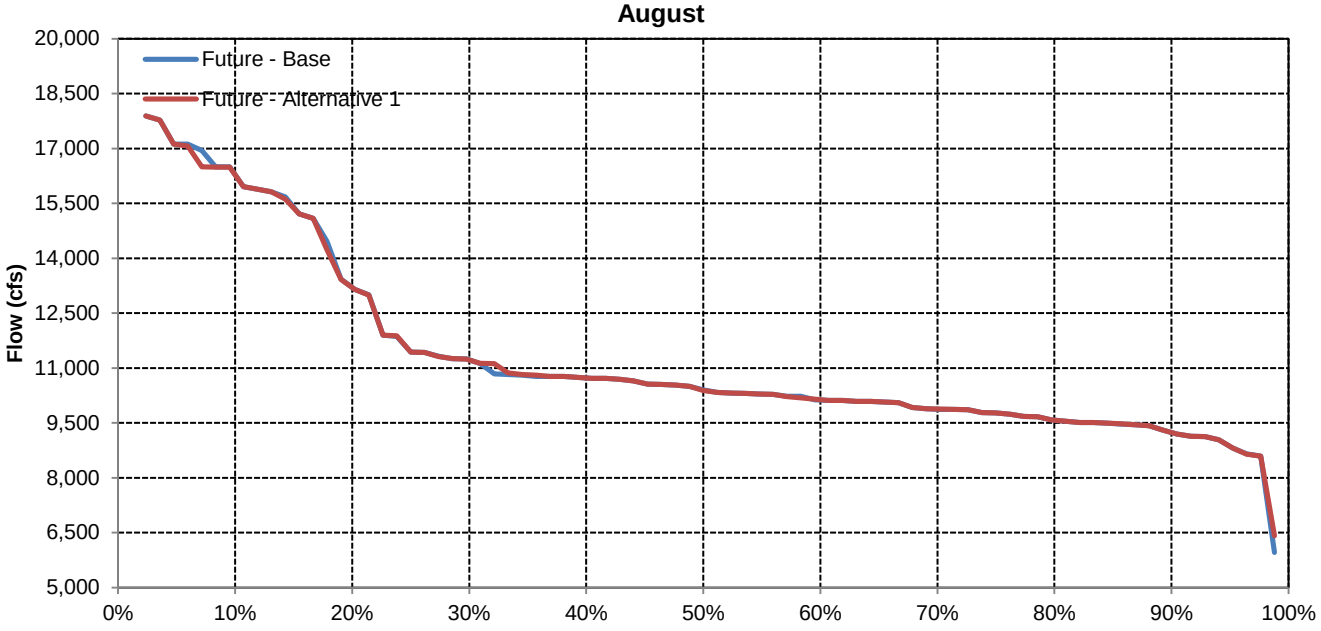


Sacramento River below Fremont Weir

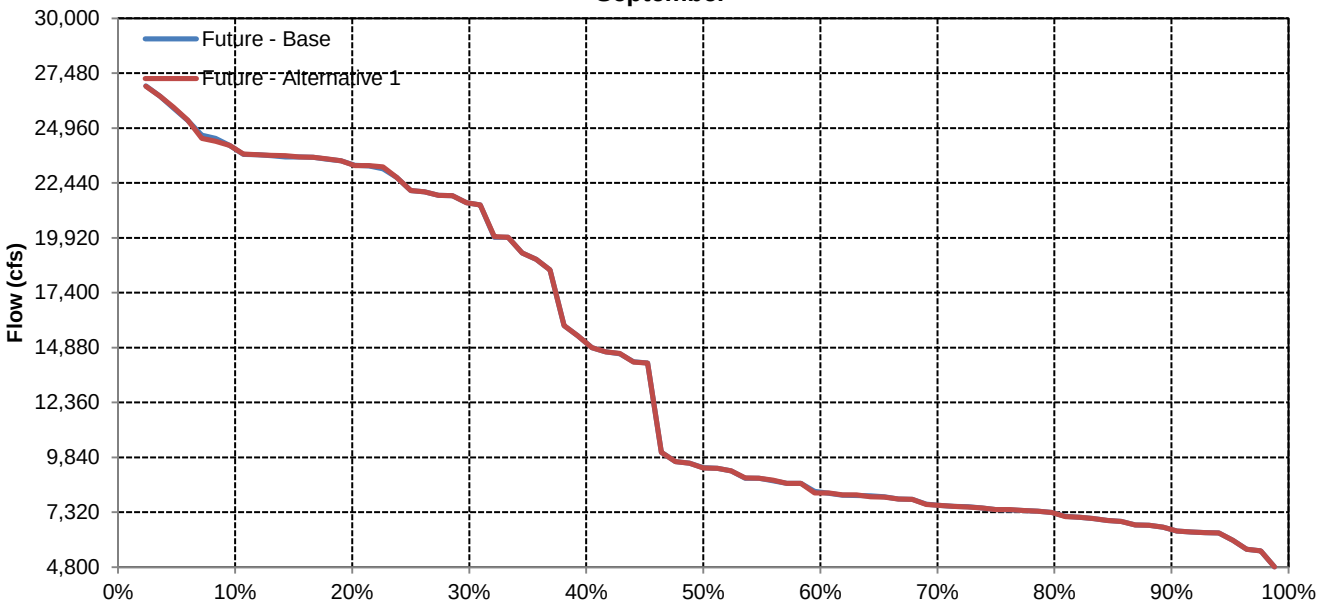


Sacramento River below Fremont Weir

August



September



Long-Term and Water Year-Type Average of Trinity Reservoir Under Future - Base and Future - Alternative 1

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September
						Average Storage (TAF)						
						Long-Term						
Full Simulation Period												
Future - Base	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Future - Alternative 1	1,111	1,120	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
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%
						Water Year-Types						
Wet												
Future - Base	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Future - Alternative 1	1,184	1,225	1,437	1,696	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Difference	-1	-1	0	0	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Future - Alternative 1	1,184	1,161	1,273	1,559	1,813	1,988	2,141	1,981	1,870	1,703	1,557	1,426
Difference	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Future - Alternative 1	1,147	1,147	1,219	1,390	1,538	1,694	1,828	1,709	1,609	1,441	1,283	1,185
Difference	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Future - Alternative 1	1,094	1,097	1,151	1,222	1,376	1,529	1,614	1,476	1,361	1,177	1,005	915
Difference	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656
Future - Alternative 1	875	866	898	942	1,012	1,078	1,102	1,025	965	838	714	656
Difference	0	0	0	0	0	1	1	3	4	3	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,479	1,484	1,672	1,900	2,000	2,100	2,298	2,170	1,995	1,863	1,717	1,564
20%	1,385	1,408	1,506	1,818	2,000	2,100	2,233	2,088	1,943	1,791	1,642	1,492
30%	1,303	1,305	1,445	1,638	1,926	2,068	2,167	2,006	1,865	1,697	1,520	1,382
40%	1,248	1,223	1,368	1,593	1,752	1,981	2,113	1,903	1,752	1,562	1,407	1,270
50%	1,152	1,181	1,273	1,421	1,599	1,771	1,933	1,771	1,616	1,443	1,289	1,178
60%	1,079	1,102	1,198	1,304	1,496	1,662	1,745	1,636	1,564	1,378	1,236	1,106
70%	968	957	1,102	1,205	1,371	1,486	1,591	1,531	1,412	1,229	1,083	1,000
80%	775	791	913	1,023	1,256	1,390	1,496	1,376	1,279	1,090	931	846
90%	627	632	678	825	933	1,013	1,056	1,036	957	837	680	625
Long Term												
Full Simulation Period	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Water Year Types												
Wet	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Above Normal	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Below Normal	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Dry	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Critical	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656

Future - Alternative 1

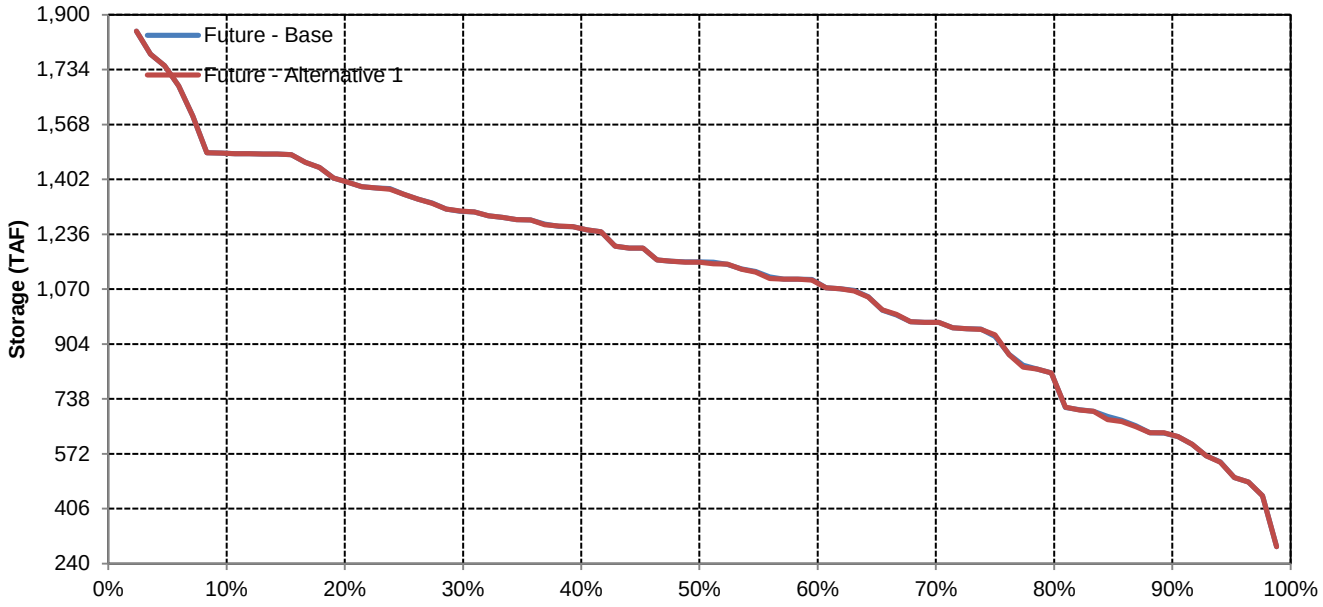
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,480	1,484	1,672	1,900	2,000	2,100	2,298	2,170	1,995	1,863	1,717	1,564
20%	1,385	1,409	1,506	1,817	2,000	2,100	2,233	2,088	1,944	1,791	1,642	1,492
30%	1,303	1,305	1,440	1,638	1,926	2,068	2,167	2,006	1,866	1,697	1,520	1,382
40%	1,248	1,223	1,368	1,594	1,752	1,981	2,113	1,903	1,752	1,562	1,407	1,270
50%	1,149	1,180	1,273	1,421	1,599	1,770	1,933	1,771	1,615	1,443	1,289	1,178
60%	1,079	1,102	1,197	1,304	1,494	1,661	1,746	1,636	1,564	1,375	1,233	1,107
70%	968	957	1,101	1,204	1,370	1,491	1,591	1,531	1,412	1,230	1,083	1,000
80%	775	791	910	1,021	1,252	1,390	1,498	1,375	1,279	1,090	929	846
90%	627	632	679	825	934	1,013	1,057	1,038	958	837	680	625
Long Term												
Full Simulation Period	1,111	1,120	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Water Year Types												
Wet	1,184	1,225	1,437	1,696	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Above Normal	1,184	1,161	1,273	1,559	1,813	1,988	2,141	1,981	1,870	1,703	1,557	1,426
Below Normal	1,147	1,147	1,219	1,390	1,538	1,694	1,828	1,709	1,609	1,441	1,283	1,185
Dry	1,094	1,097	1,151	1,222	1,376	1,529	1,614	1,476	1,361	1,177	1,005	915
Critical	875	866	898	942	1,012	1,078	1,102	1,025	965	838	714	656

Future - Alternative 1 Minus Future - Base

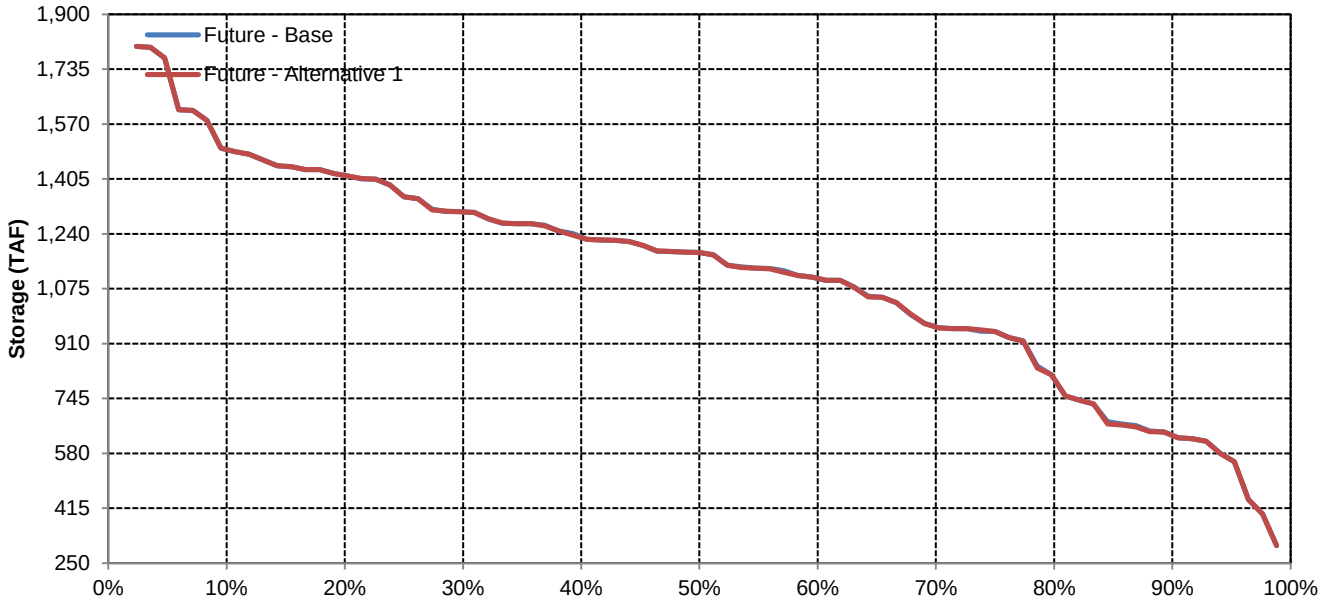
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	1	0	0	0
30%	0	0	-5	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	-3	0	0	0	0	-1	0	0	0	0	0	0
60%	0	0	-1	0	-2	-1	1	-1	0	-3	-2	0
70%	0	0	0	-1	-1	5	0	0	0	1	0	0
80%	0	0	-2	-2	-3	0	2	0	0	0	-2	1
90%	0	0	1	0	1	0	1	1	1	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	-1	-1	0	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Below Normal	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Dry	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
Critical	0	0	0	0	0	1	1	3	4	3	0	0

Trinity Reservoir

October

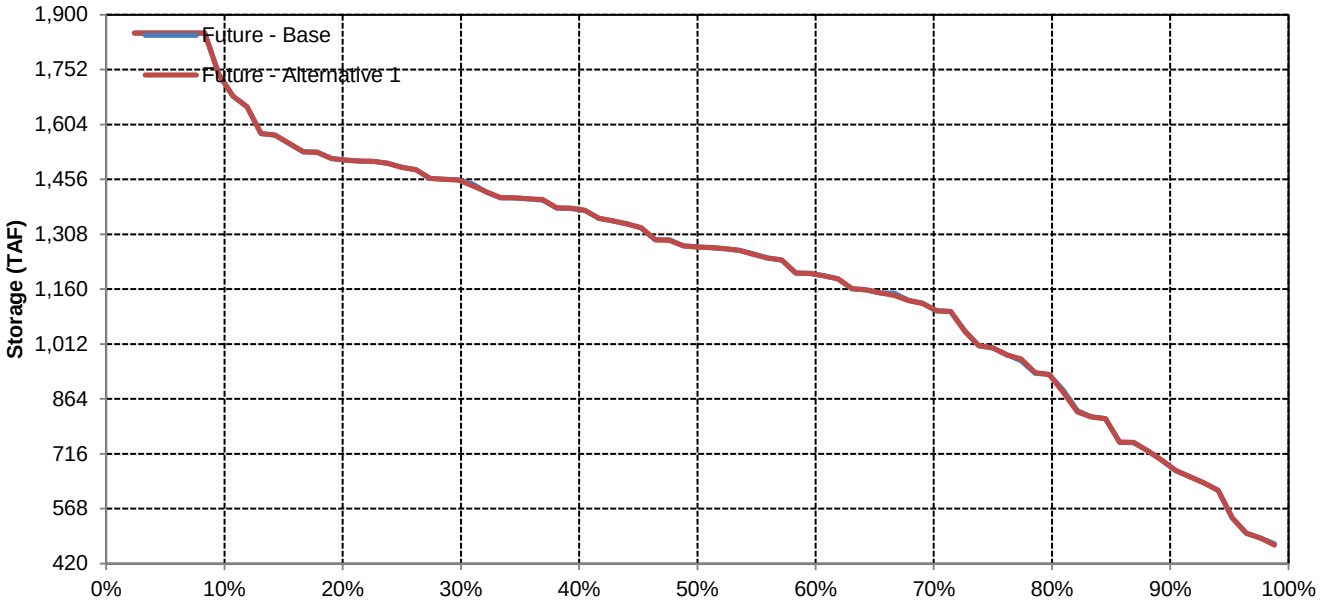


November

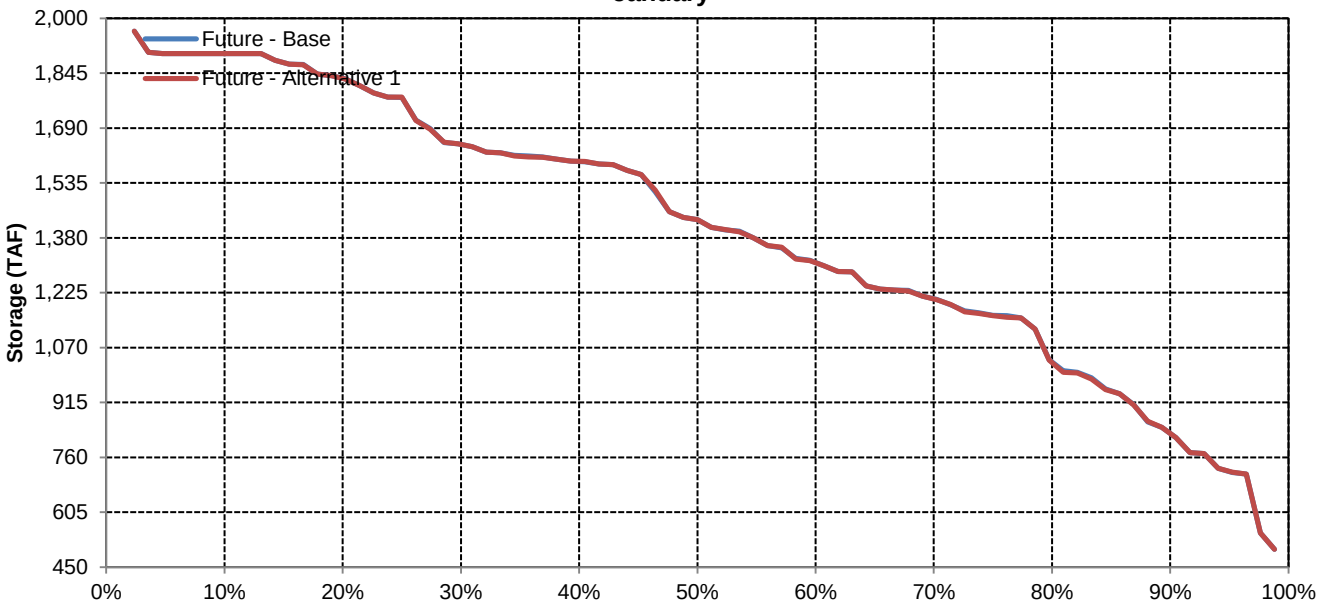


Trinity Reservoir

December

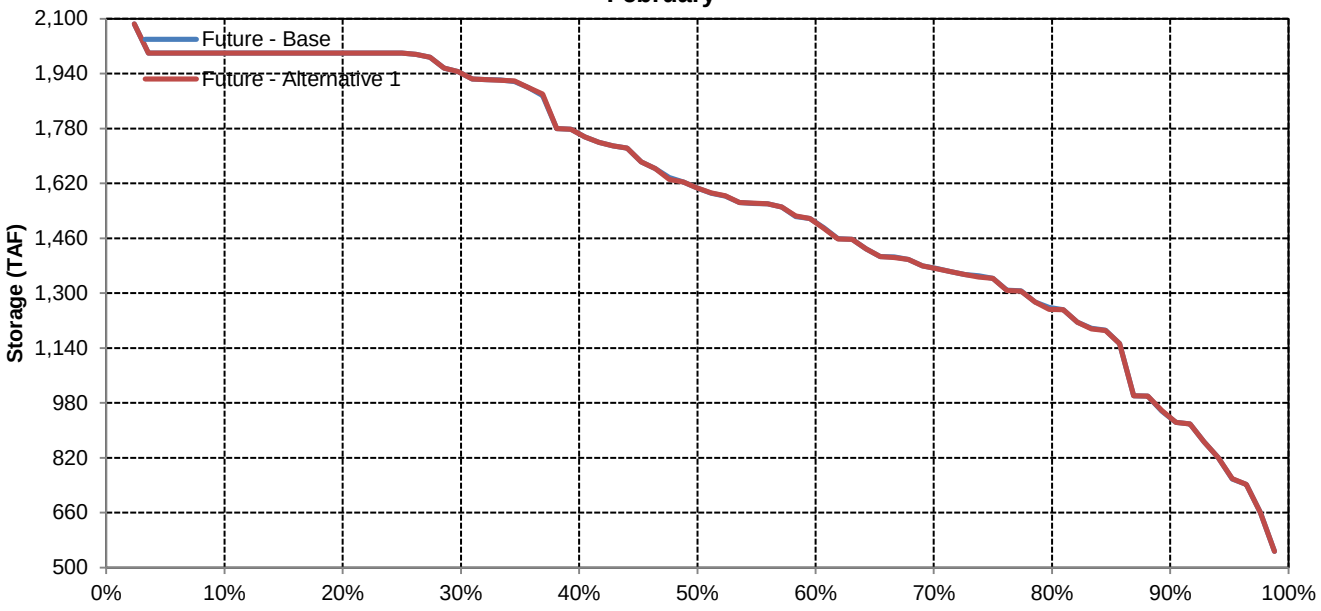


January

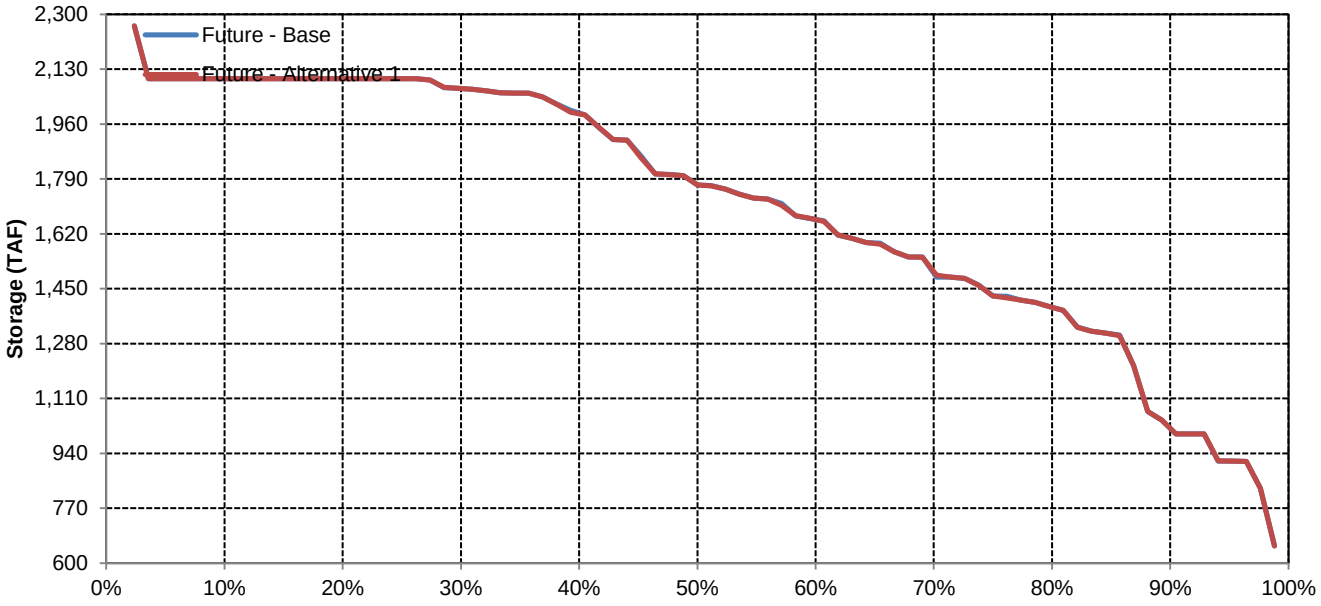


Trinity Reservoir

February

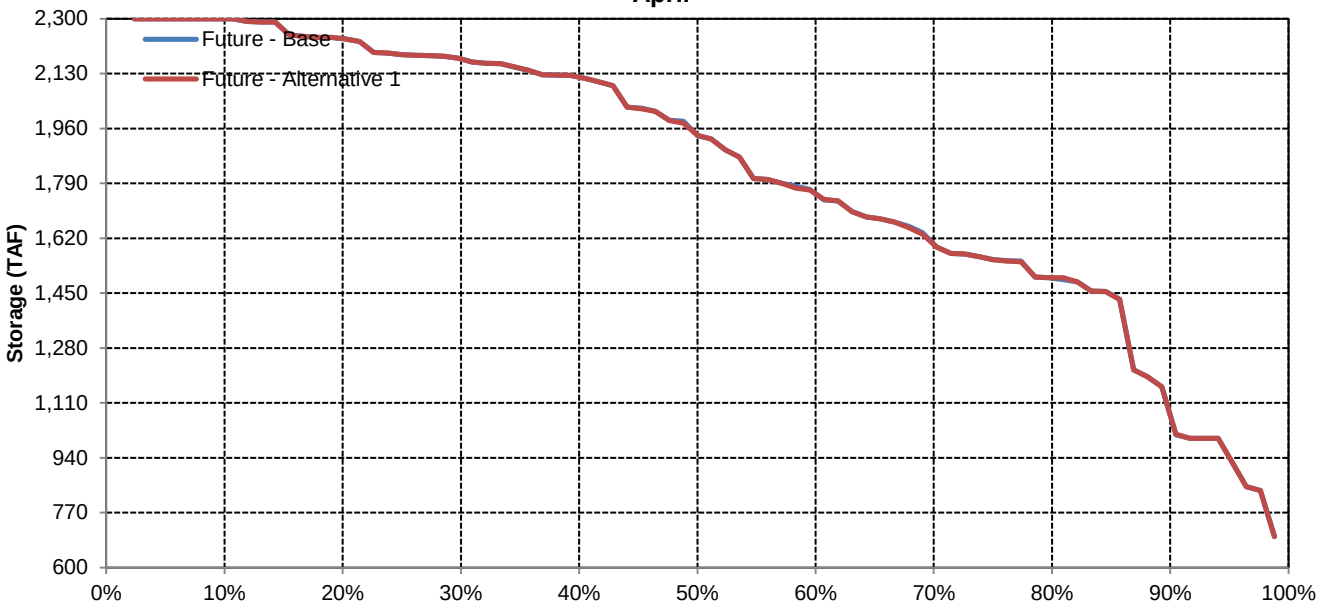


March

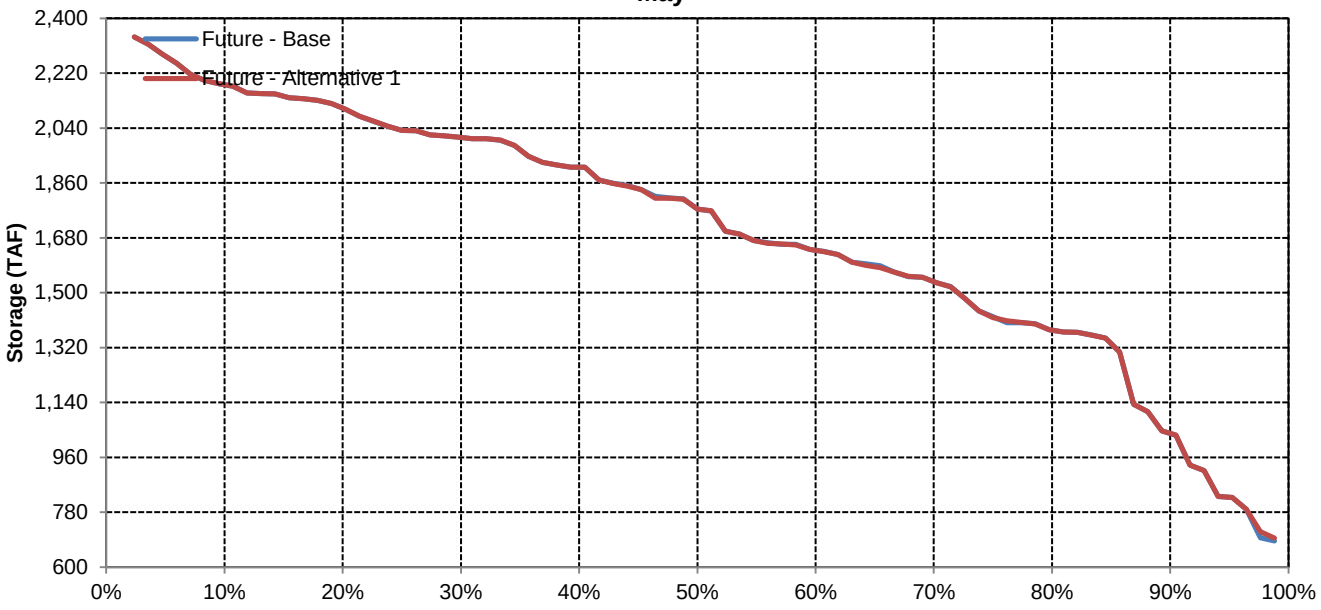


Trinity Reservoir

April

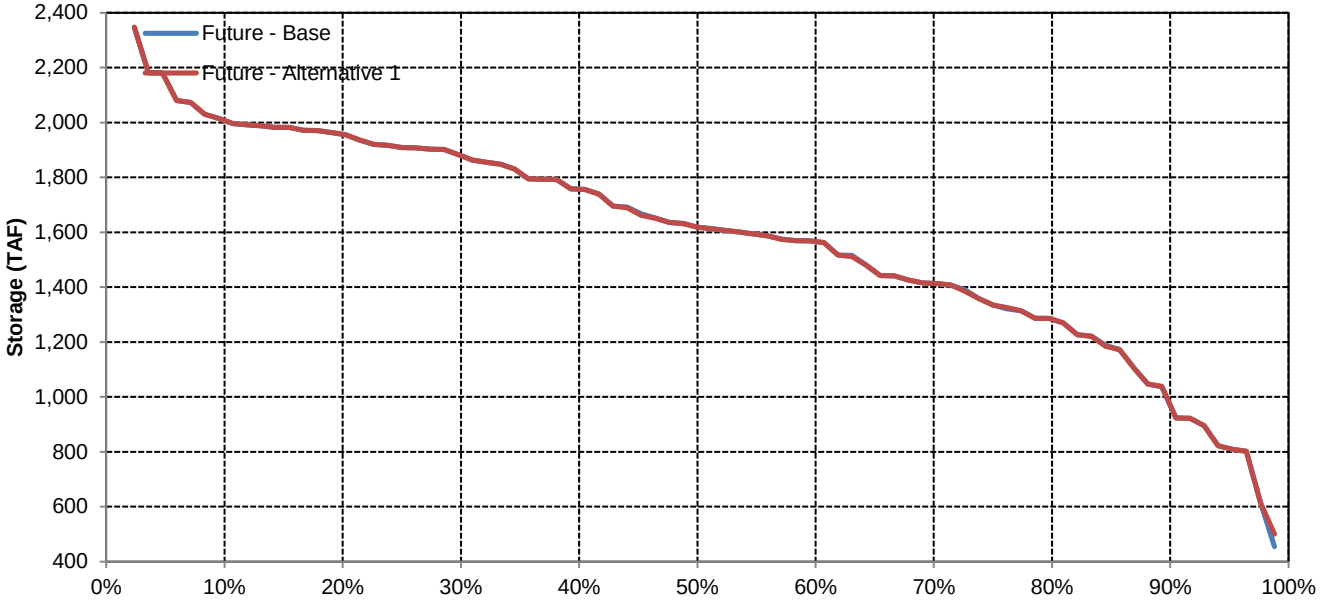


May

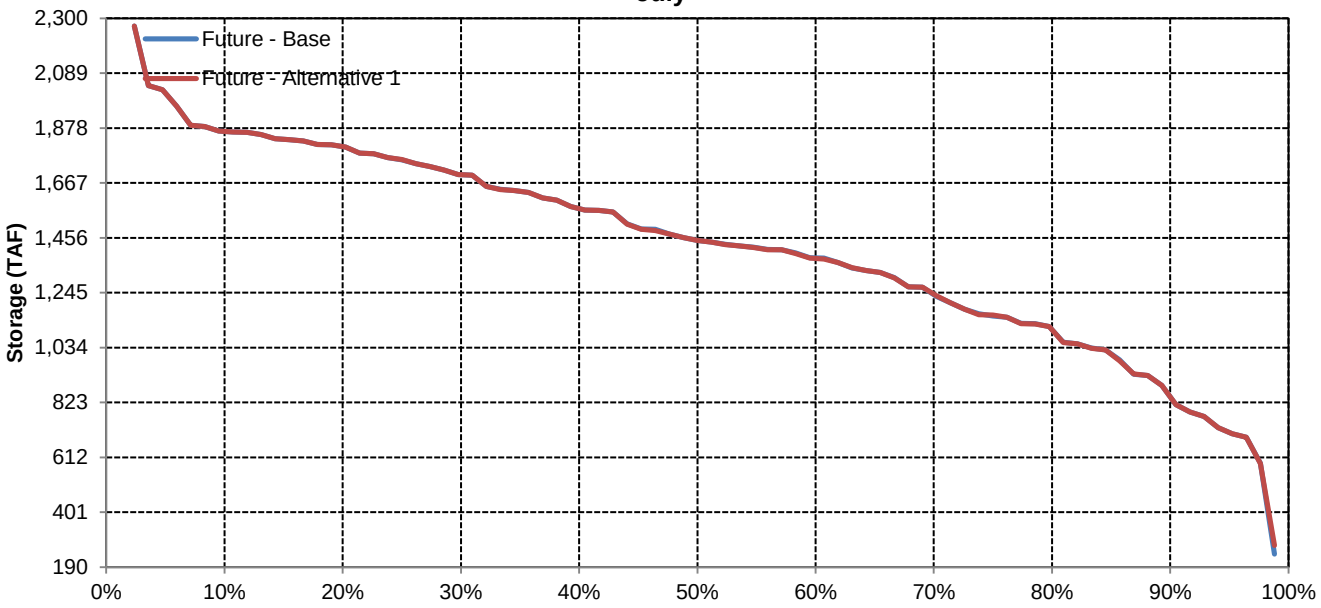


Trinity Reservoir

June

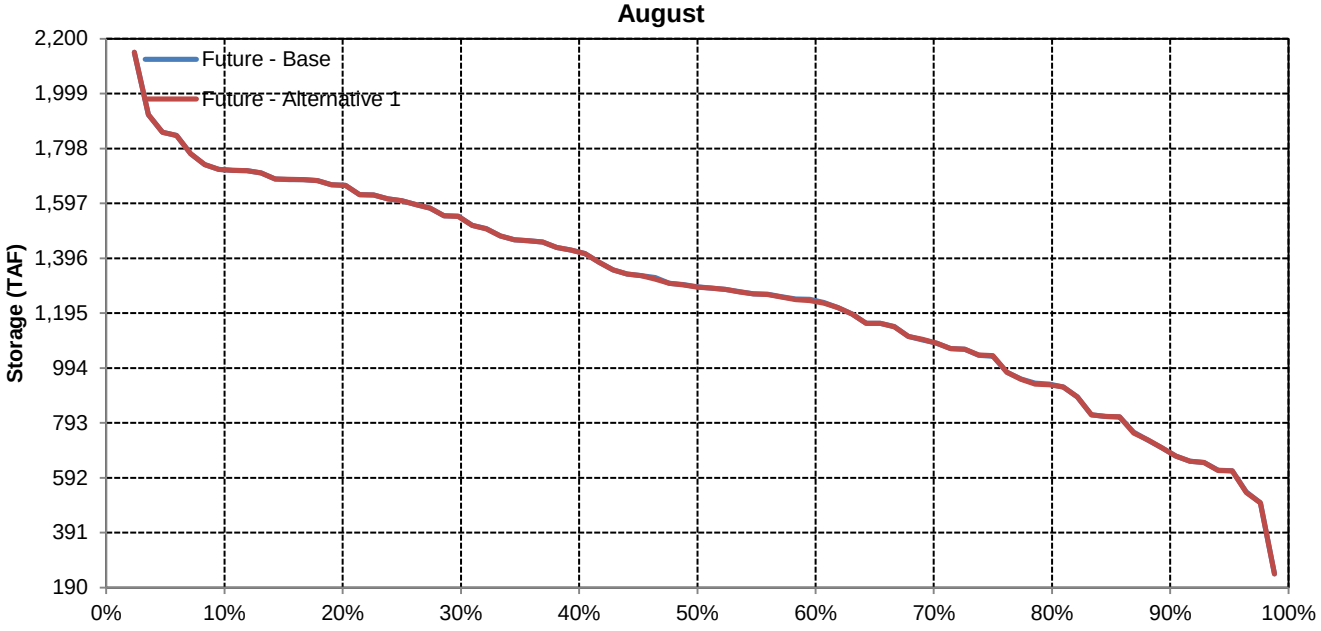


July

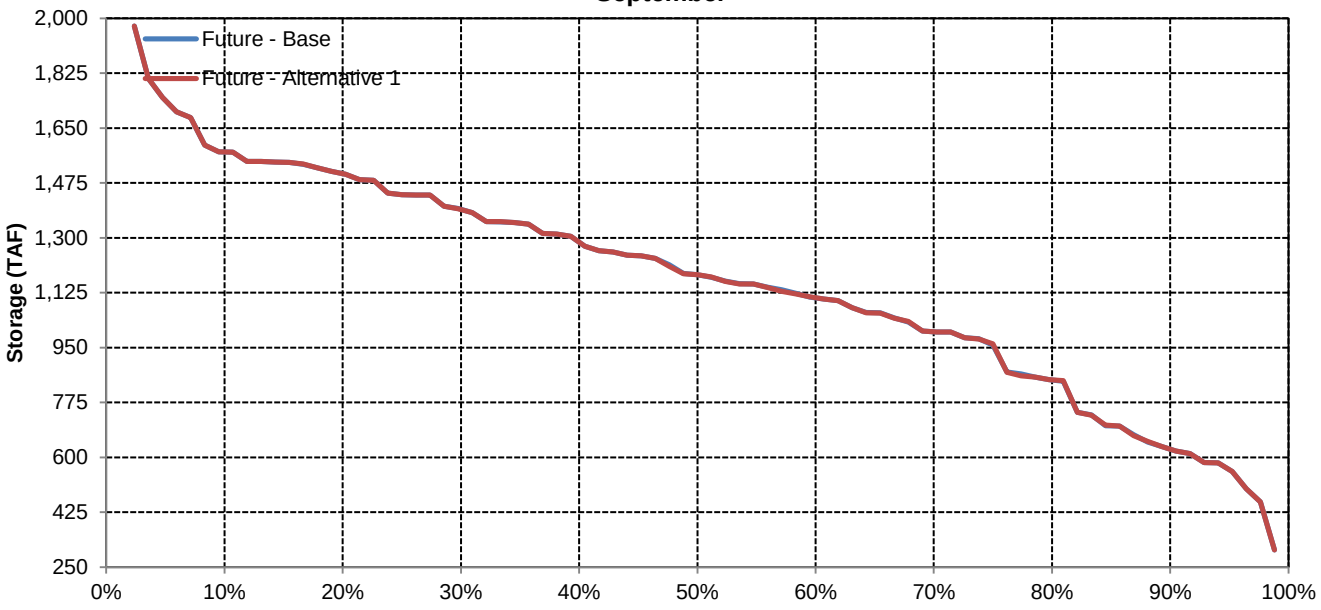


Trinity Reservoir

August



September



Long-Term and Water Year-Type Average of Shasta Reservoir Storage Under Future - Base and Future - Alternative 1

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Future - Alternative 1	2,224	2,277	2,587	2,961	3,279	3,635	3,827	3,714	3,230	2,716	2,459	2,291
Difference	-1	-1	0	0	2	2	2	2	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Future - Alternative 1	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,525
Difference	0	0	-1	0	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Future - Alternative 1	2,325	2,391	2,734	3,276	3,538	4,067	4,380	4,288	3,780	3,188	2,932	2,693
Difference	-6	-6	0	0	0	0	1	1	0	0	0	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Future - Alternative 1	2,275	2,334	2,491	3,019	3,413	3,837	4,073	3,949	3,396	2,900	2,674	2,743
Difference	1	1	1	1	1	1	1	1	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Future - Alternative 1	2,103	2,169	2,416	2,659	3,188	3,592	3,618	3,403	2,899	2,449	2,182	2,205
Difference	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067
Future - Alternative 1	1,904	1,850	1,969	2,175	2,399	2,646	2,533	2,321	1,855	1,393	1,094	1,067
Difference	-1	-1	4	4	14	15	14	11	0	-1	0	0
Percent Difference	0%	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%

Shasta Reservoir Storage

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,037	3,187	3,321	3,635	3,916	4,241	4,482	4,552	4,171	3,512	3,194	2,972
20%	2,810	2,927	3,266	3,539	3,777	4,102	4,372	4,324	3,882	3,302	3,029	2,858
30%	2,671	2,735	3,191	3,403	3,662	4,022	4,251	4,224	3,719	3,170	2,942	2,679
40%	2,416	2,533	2,985	3,335	3,537	3,963	4,176	4,142	3,568	3,039	2,823	2,536
50%	2,317	2,324	2,754	3,252	3,445	3,839	4,109	3,953	3,350	2,880	2,669	2,439
60%	2,245	2,200	2,545	2,973	3,289	3,597	4,009	3,839	3,203	2,755	2,499	2,338
70%	2,020	2,057	2,269	2,767	3,252	3,417	3,756	3,608	3,154	2,594	2,360	2,110
80%	1,757	1,817	2,045	2,429	2,913	3,266	3,216	2,997	2,618	2,141	1,806	1,824
90%	884	1,011	1,336	1,917	2,378	2,633	2,534	2,407	1,951	1,420	978	956
Long Term												
Full Simulation Period	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Water Year Types												
Wet	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Above Normal	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Below Normal	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Dry	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Critical	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067

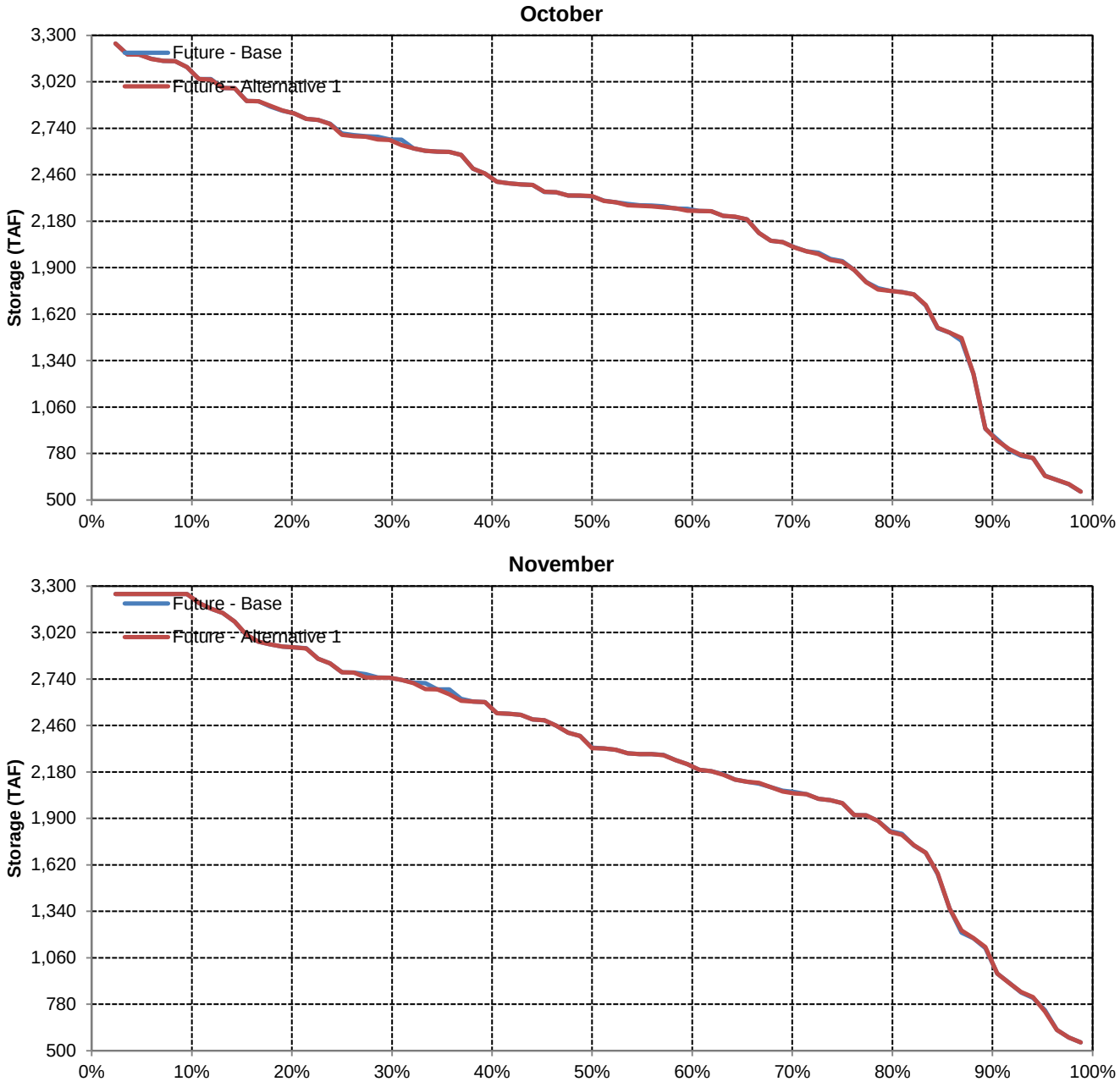
Future - Alternative 1

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,036	3,187	3,321	3,635	3,916	4,241	4,487	4,552	4,171	3,512	3,194	2,972
20%	2,810	2,927	3,266	3,539	3,777	4,102	4,372	4,324	3,882	3,302	3,029	2,858
30%	2,641	2,736	3,191	3,403	3,662	4,022	4,251	4,225	3,719	3,170	2,942	2,679
40%	2,416	2,533	2,980	3,335	3,537	3,963	4,176	4,146	3,568	3,043	2,823	2,535
50%	2,317	2,323	2,754	3,252	3,445	3,840	4,110	3,953	3,352	2,881	2,669	2,439
60%	2,242	2,200	2,545	2,974	3,283	3,597	4,009	3,839	3,203	2,754	2,499	2,338
70%	2,019	2,050	2,268	2,765	3,252	3,417	3,757	3,606	3,155	2,594	2,361	2,108
80%	1,757	1,811	2,045	2,428	2,913	3,265	3,216	2,992	2,614	2,141	1,807	1,823
90%	879	1,013	1,342	1,923	2,372	2,627	2,536	2,409	1,953	1,421	977	955
Long Term												
Full Simulation Period	2,224	2,277	2,587	2,961	3,279	3,635	3,827	3,714	3,230	2,716	2,459	2,291
Water Year Types												
Wet	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,525
Above Normal	2,325	2,391	2,734	3,276	3,538	4,067	4,380	4,288	3,780	3,188	2,932	2,693
Below Normal	2,275	2,334	2,491	3,019	3,413	3,837	4,073	3,949	3,396	2,900	2,674	2,743
Dry	2,103	2,169	2,416	2,659	3,188	3,592	3,618	3,403	2,899	2,449	2,182	2,205
Critical	1,904	1,850	1,969	2,175	2,399	2,646	2,533	2,321	1,855	1,393	1,094	1,067

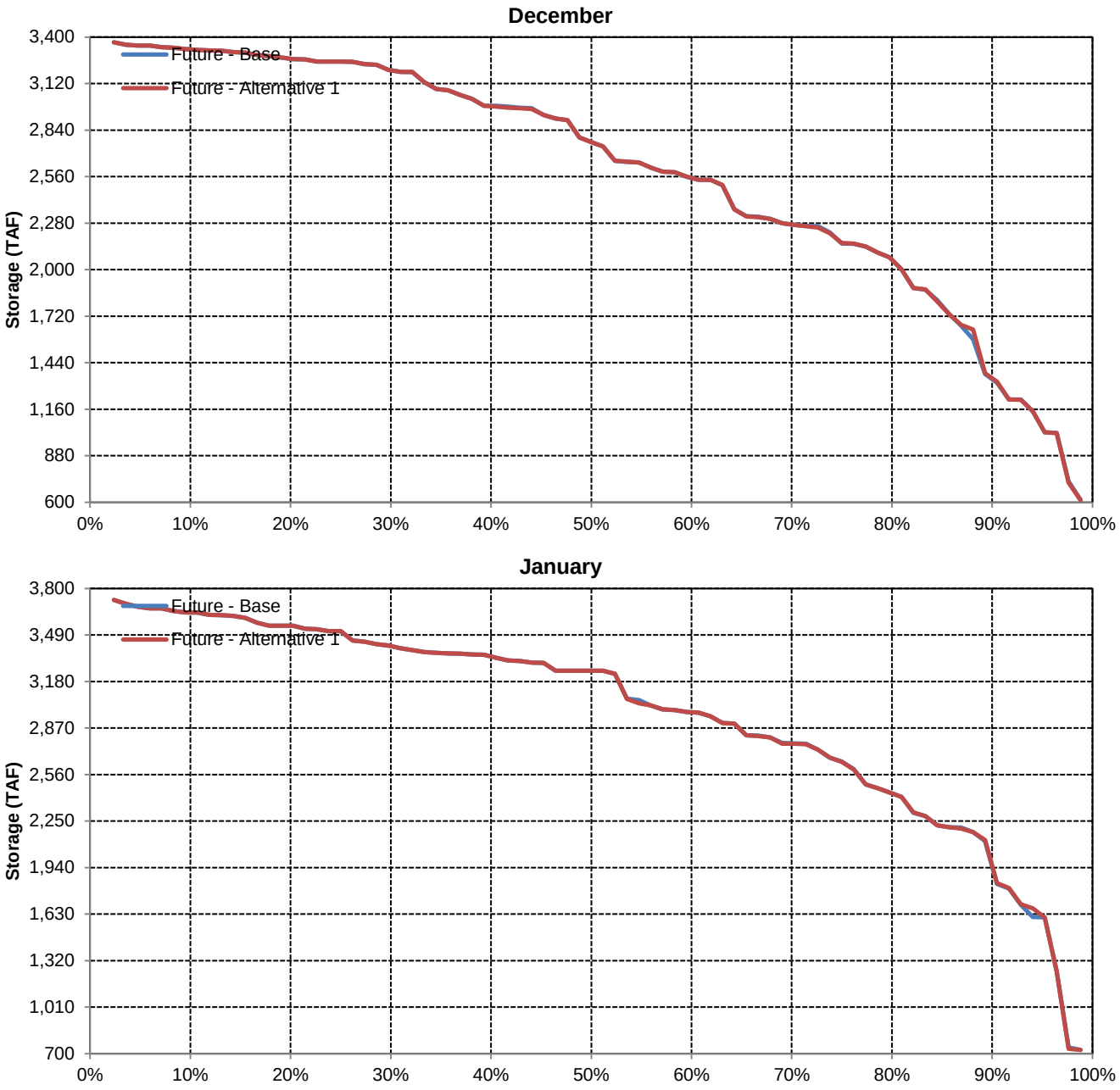
Future - Alternative 1 Minus Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-1	0	0	1	0	0	5	0	0	0	0	0
20%	0	-1	0	0	0	0	0	0	0	0	0	0
30%	-30	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	-6	0	0	0	0	4	0	4	0	0
50%	0	-1	0	0	0	0	1	0	2	0	0	0
60%	-2	0	0	1	-5	0	0	0	0	0	0	0
70%	-2	-7	-1	-2	0	0	1	-2	1	0	1	-2
80%	0	-6	0	0	0	-1	-1	-5	-4	0	1	-1
90%	-5	2	6	6	-6	-6	2	2	2	0	-1	-1
Long Term												
Full Simulation Period	-1	-1	0	0	2	2	2	2	0	0	0	0
Water Year Types												
Wet	0	0	-1	0	0	0	0	0	0	0	0	0
Above Normal	-6	-6	0	0	0	0	1	1	0	0	0	1
Below Normal	1	1	1	1	1	1	1	1	0	0	0	0
Dry	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
Critical	-1	-1	4	4	14	15	14	11	0	-1	0	0

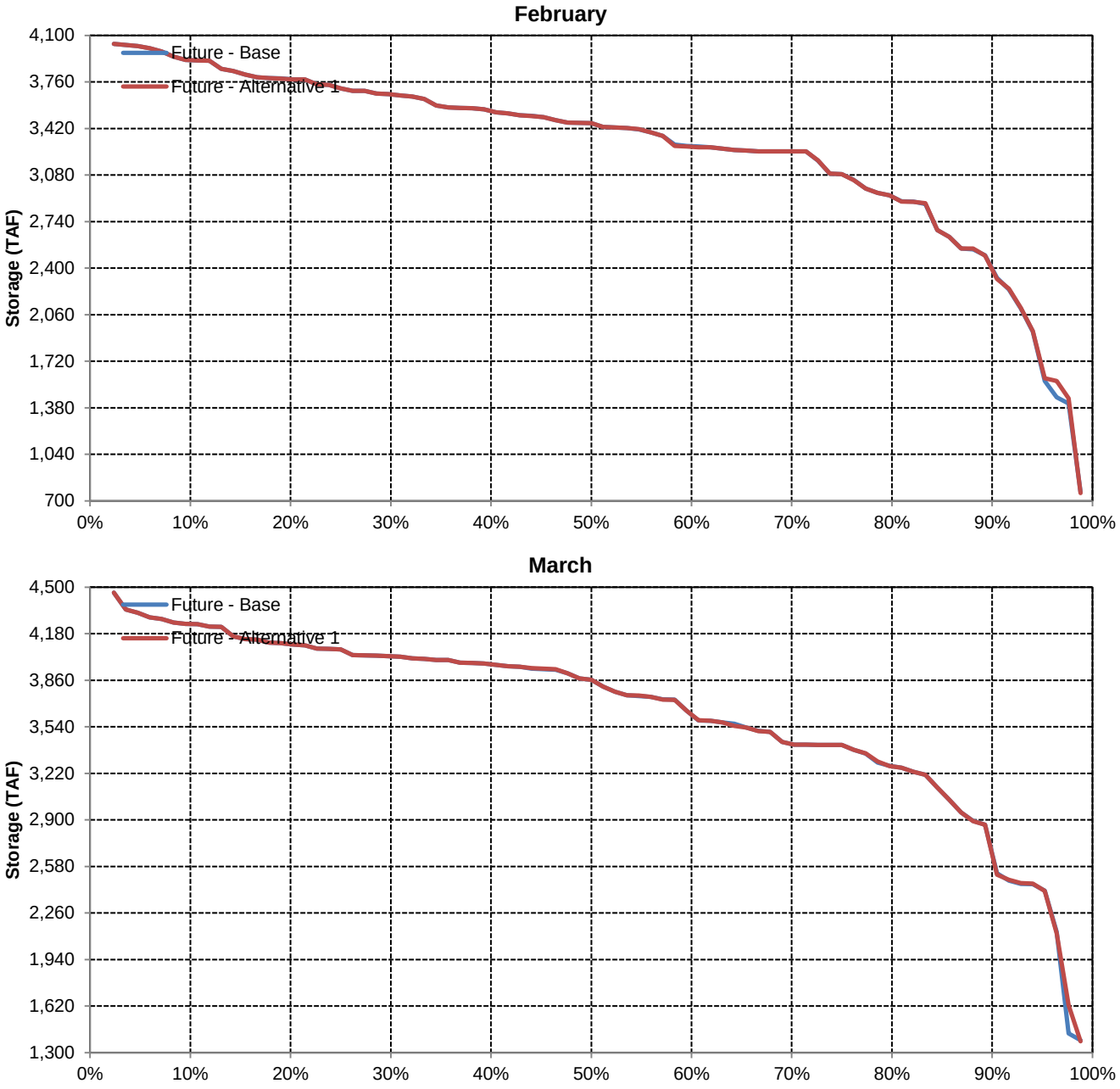
Shasta Reservoir Storage



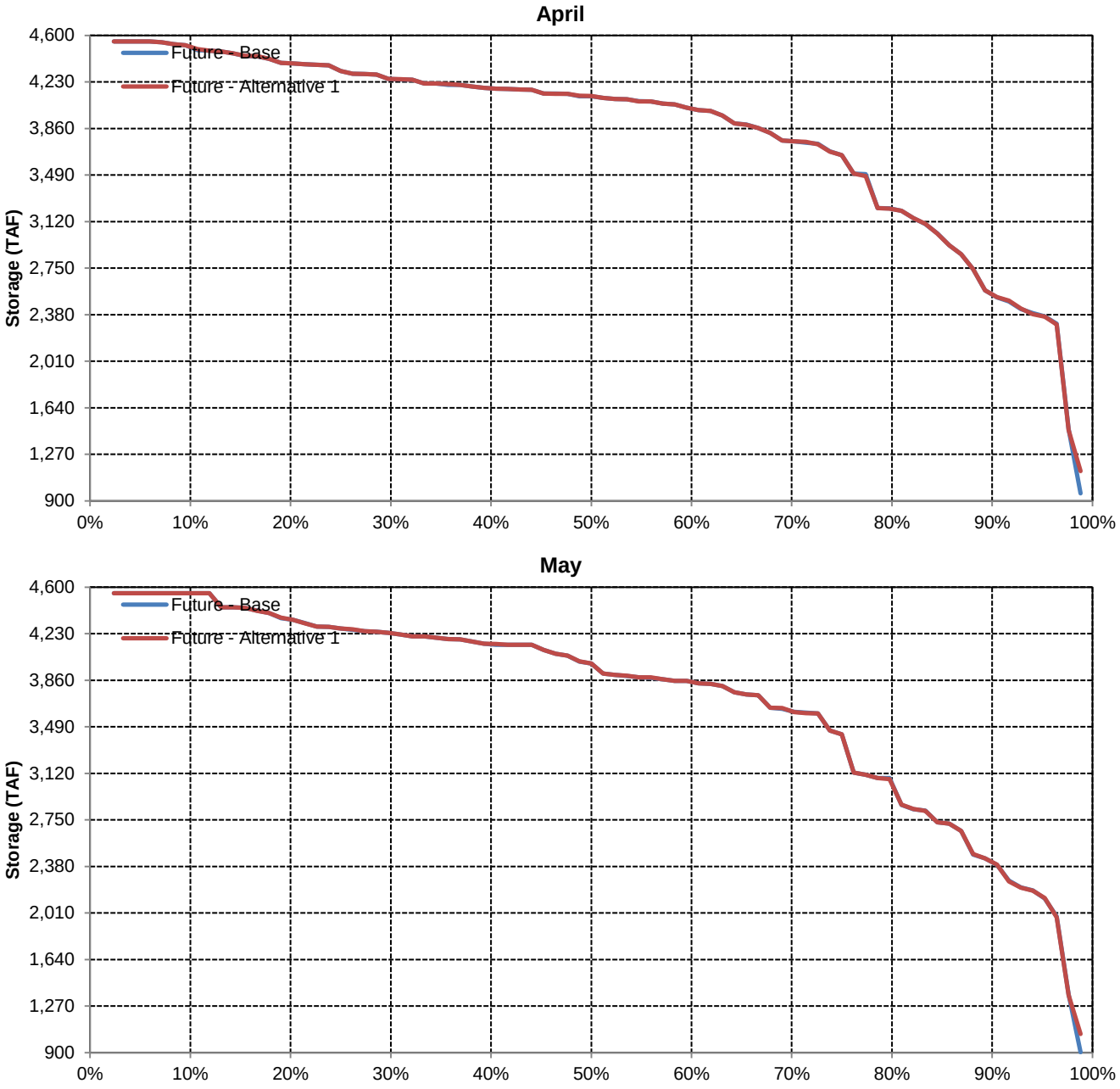
Shasta Reservoir Storage



Shasta Reservoir Storage

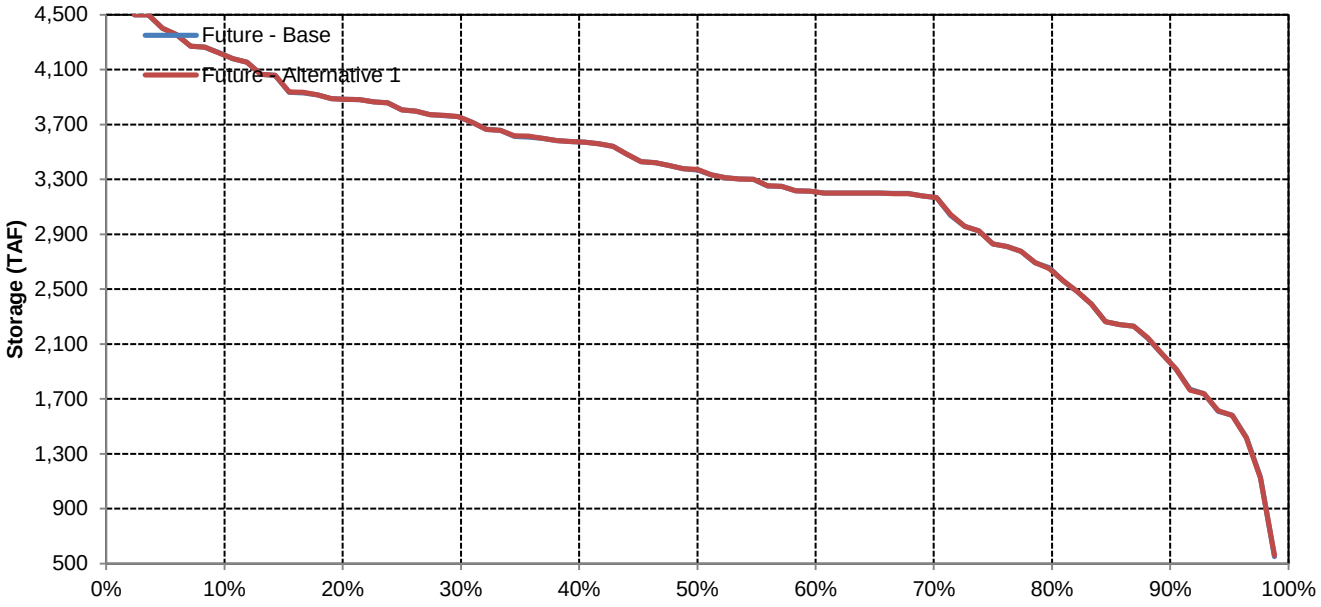


Shasta Reservoir Storage

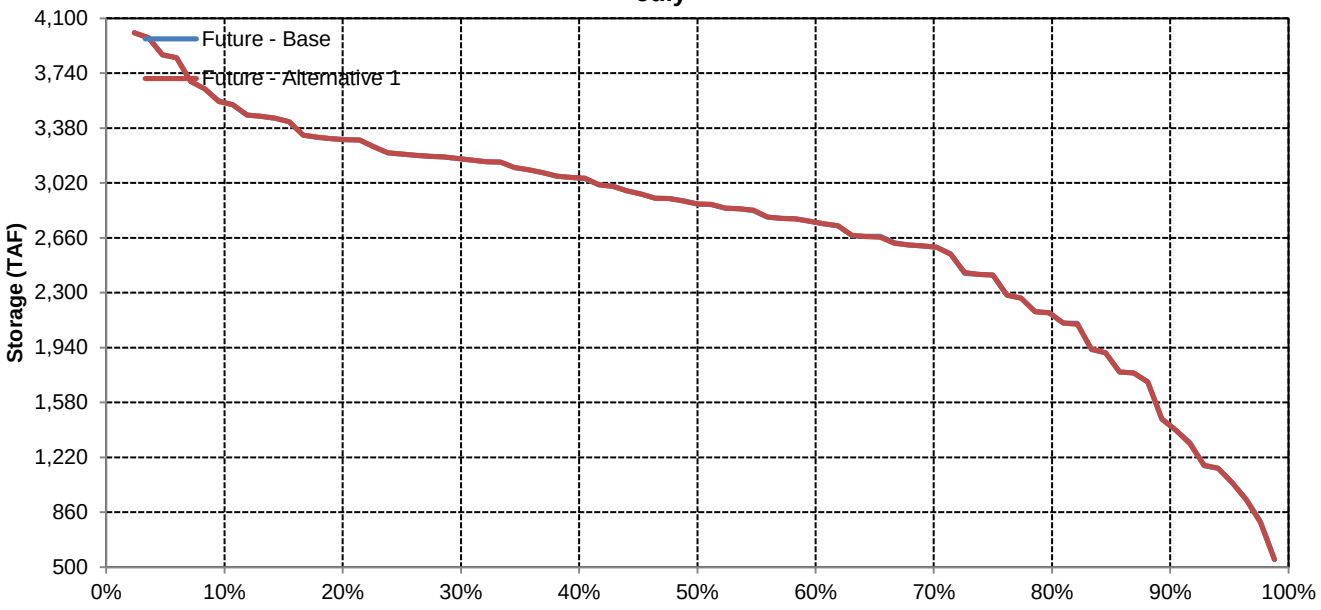


Shasta Reservoir Storage

June

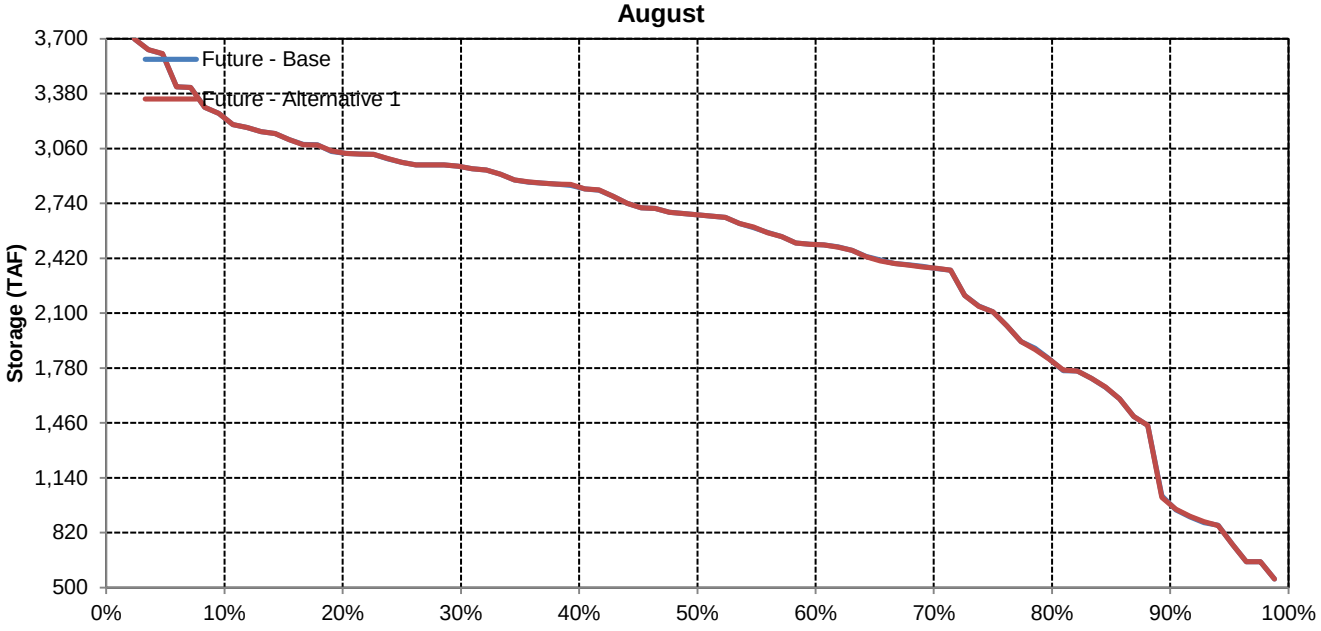


July

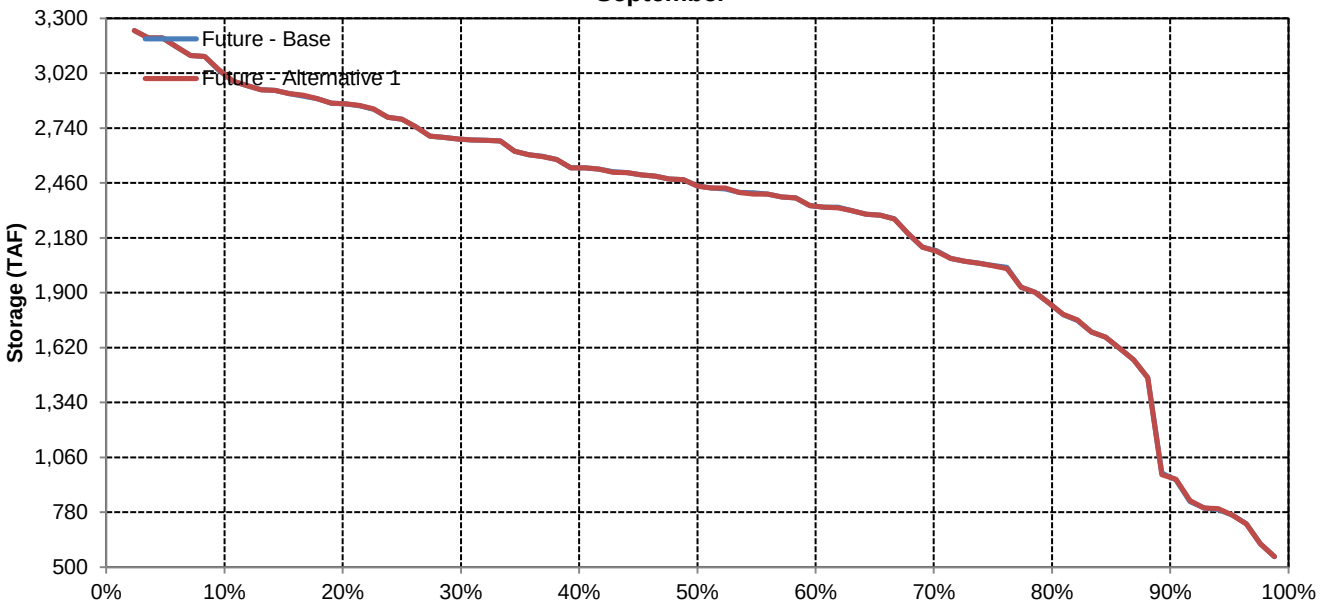


Shasta Reservoir Storage

August



September



Long-Term and Water Year-Type Average of Oroville Reservoir Under Future - Base and Future - Alternative 1

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September
						Average Storage (TAF)						
						Long-Term						
Full Simulation Period												
Future - Base	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Future - Alternative 1	1,244	1,285	1,585	1,976	2,295	2,515	2,666	2,627	2,323	1,843	1,549	1,357
Difference	0	0	1	2	0	0	0	1	1	1	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Future - Alternative 1	1,341	1,497	2,169	2,720	2,891	2,940	3,223	3,257	2,987	2,389	2,025	1,635
Difference	2	1	0	2	0	0	0	0	0	0	2	2
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Future - Alternative 1	1,442	1,443	1,641	2,275	2,769	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Difference	-5	-5	1	6	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Future - Alternative 1	1,250	1,221	1,348	1,711	2,121	2,564	2,712	2,663	2,277	1,746	1,469	1,398
Difference	0	0	0	0	0	0	0	1	1	1	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Future - Alternative 1	1,101	1,112	1,253	1,470	1,903	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Difference	1	1	1	1	1	1	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863
Future - Alternative 1	1,087	1,038	1,080	1,223	1,412	1,582	1,557	1,480	1,315	1,107	917	867
Difference	0	0	1	1	2	2	2	2	9	6	1	4
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%

Oroville Reservoir

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,636	1,973	2,788	2,854	2,994	3,059	3,347	3,446	3,357	2,744	2,228	1,836
20%	1,502	1,552	2,259	2,788	2,856	2,991	3,237	3,254	3,034	2,401	2,003	1,666
30%	1,413	1,392	1,723	2,787	2,788	2,938	3,180	3,142	2,680	2,176	1,819	1,572
40%	1,252	1,284	1,473	2,185	2,788	2,833	3,081	3,034	2,528	1,958	1,679	1,439
50%	1,159	1,175	1,411	1,820	2,492	2,788	2,979	2,790	2,386	1,840	1,570	1,325
60%	1,084	1,076	1,258	1,613	2,165	2,539	2,672	2,667	2,222	1,693	1,307	1,222
70%	998	1,001	1,180	1,458	1,946	2,268	2,297	2,185	1,924	1,499	1,201	1,097
80%	985	953	1,002	1,258	1,538	1,950	2,026	1,954	1,706	1,328	1,052	995
90%	829	891	941	1,010	1,262	1,594	1,557	1,411	1,216	1,006	916	879
Long Term												
Full Simulation Period	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Water Year Types												
Wet	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Above Normal	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Below Normal	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Dry	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Critical	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863

Future - Alternative 1

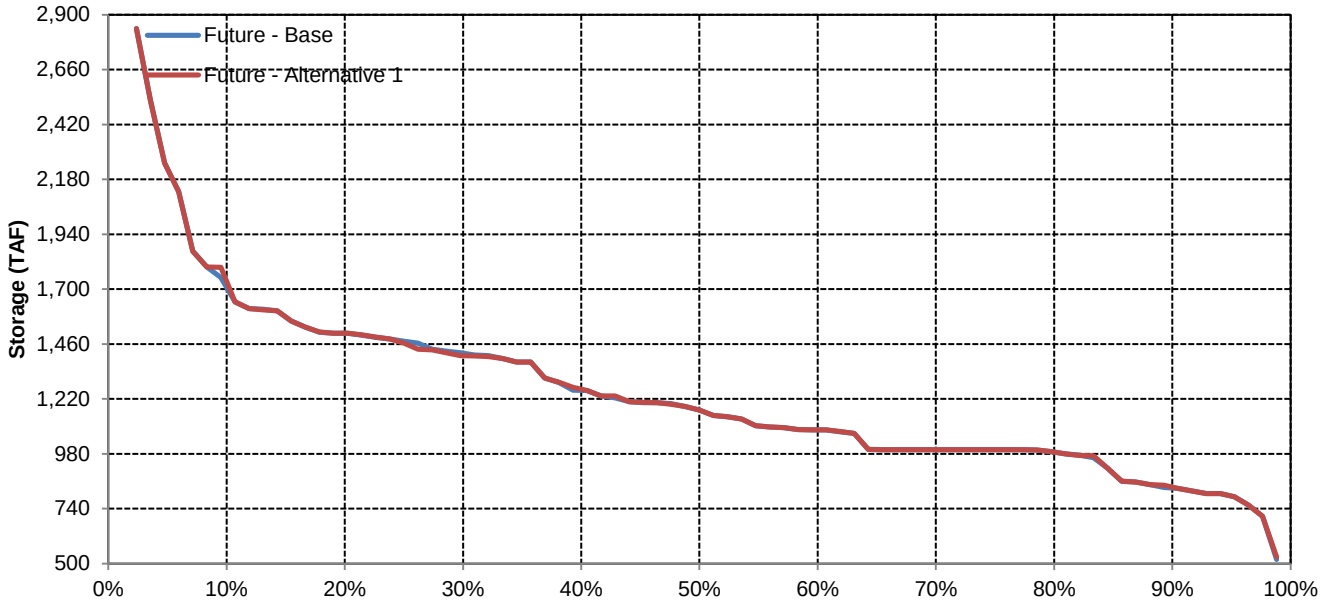
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,636	1,973	2,788	2,854	2,994	3,059	3,347	3,446	3,357	2,744	2,228	1,835
20%	1,502	1,542	2,259	2,788	2,856	2,991	3,237	3,254	3,034	2,401	2,003	1,669
30%	1,408	1,391	1,700	2,787	2,788	2,938	3,180	3,142	2,679	2,176	1,819	1,573
40%	1,252	1,285	1,474	2,185	2,788	2,833	3,081	3,034	2,529	1,958	1,679	1,439
50%	1,160	1,176	1,412	1,821	2,494	2,788	2,979	2,790	2,386	1,843	1,570	1,323
60%	1,084	1,076	1,258	1,614	2,165	2,540	2,672	2,667	2,222	1,693	1,311	1,222
70%	998	1,001	1,181	1,458	1,948	2,269	2,298	2,185	1,925	1,499	1,199	1,096
80%	986	953	1,002	1,258	1,541	1,950	2,026	1,954	1,712	1,325	1,046	995
90%	833	891	941	1,010	1,262	1,594	1,558	1,413	1,216	1,007	917	879
Long Term												
Full Simulation Period	1,244	1,285	1,585	1,976	2,295	2,515	2,666	2,627	2,323	1,843	1,549	1,357
Water Year Types												
Wet	1,341	1,497	2,169	2,720	2,891	2,940	3,223	3,257	2,987	2,389	2,025	1,635
Above Normal	1,442	1,443	1,641	2,275	2,769	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Below Normal	1,250	1,221	1,348	1,711	2,121	2,564	2,712	2,663	2,277	1,746	1,469	1,398
Dry	1,101	1,112	1,253	1,470	1,903	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Critical	1,087	1,038	1,080	1,223	1,412	1,582	1,557	1,480	1,315	1,107	917	867

Future - Alternative 1 Minus Future - Base

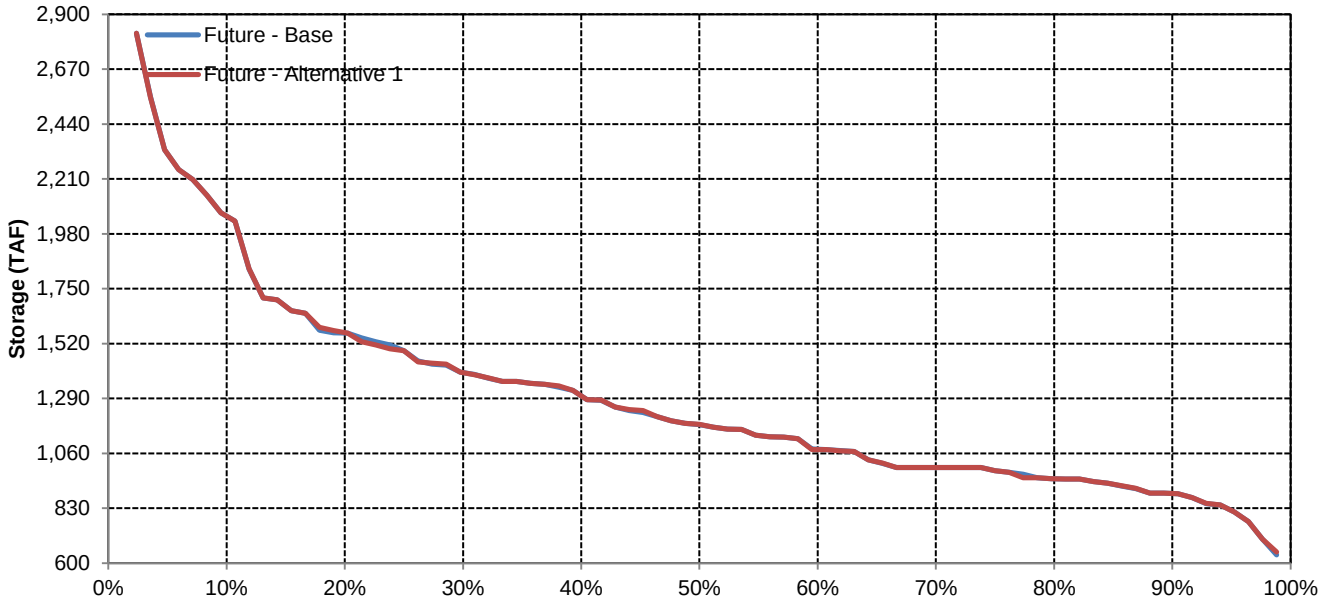
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	-1
20%	0	-10	0	0	0	0	0	0	0	0	0	3
30%	-5	-1	-23	0	0	0	0	0	0	0	0	0
40%	0	1	1	0	0	0	0	0	1	0	0	0
50%	0	1	0	0	2	0	0	0	0	4	0	-1
60%	0	0	0	0	0	1	0	0	0	0	4	0
70%	0	0	1	1	1	1	0	0	1	0	-2	-2
80%	0	0	0	0	3	1	0	1	6	-3	-6	0
90%	3	0	0	0	0	0	2	2	0	1	0	0
Long Term												
Full Simulation Period	0	0	1	2	0	0	0	1	1	1	1	1
Water Year Types												
Wet	2	1	0	2	0	0	0	0	0	0	2	2
Above Normal	-5	-5	1	6	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	1	1	1	1	1
Dry	1	1	1	1	1	1	0	0	0	0	0	0
Critical	0	0	1	1	2	2	2	2	9	6	1	4

Oroville Reservoir

October

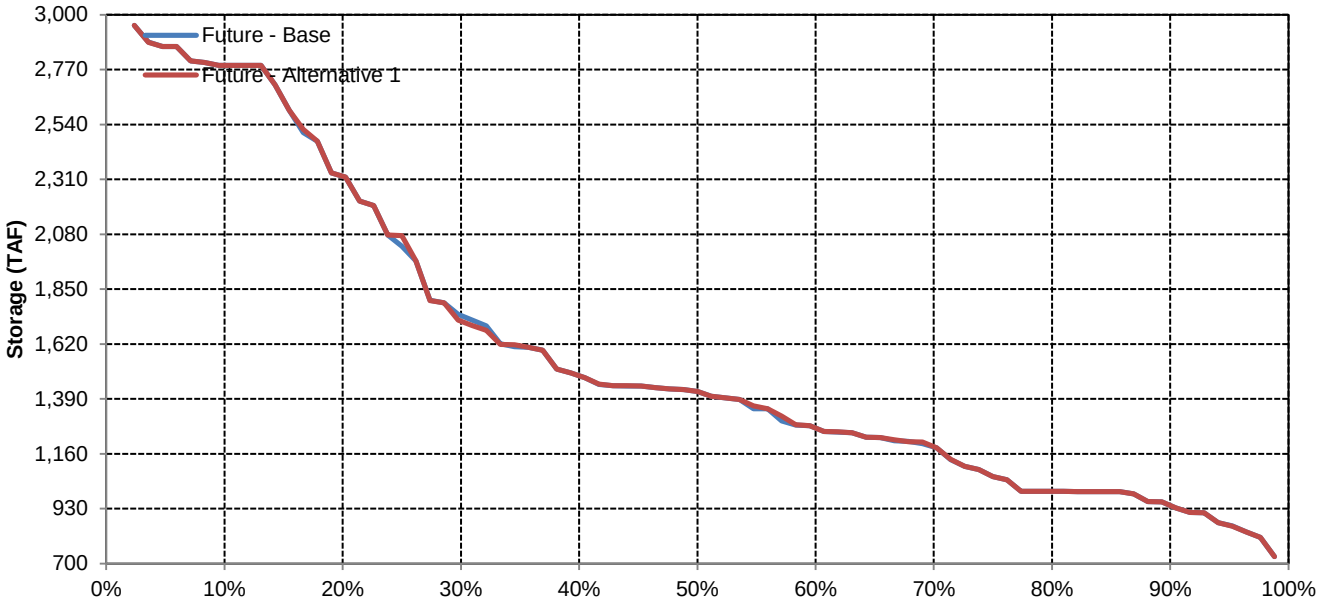


November



Oroville Reservoir

December



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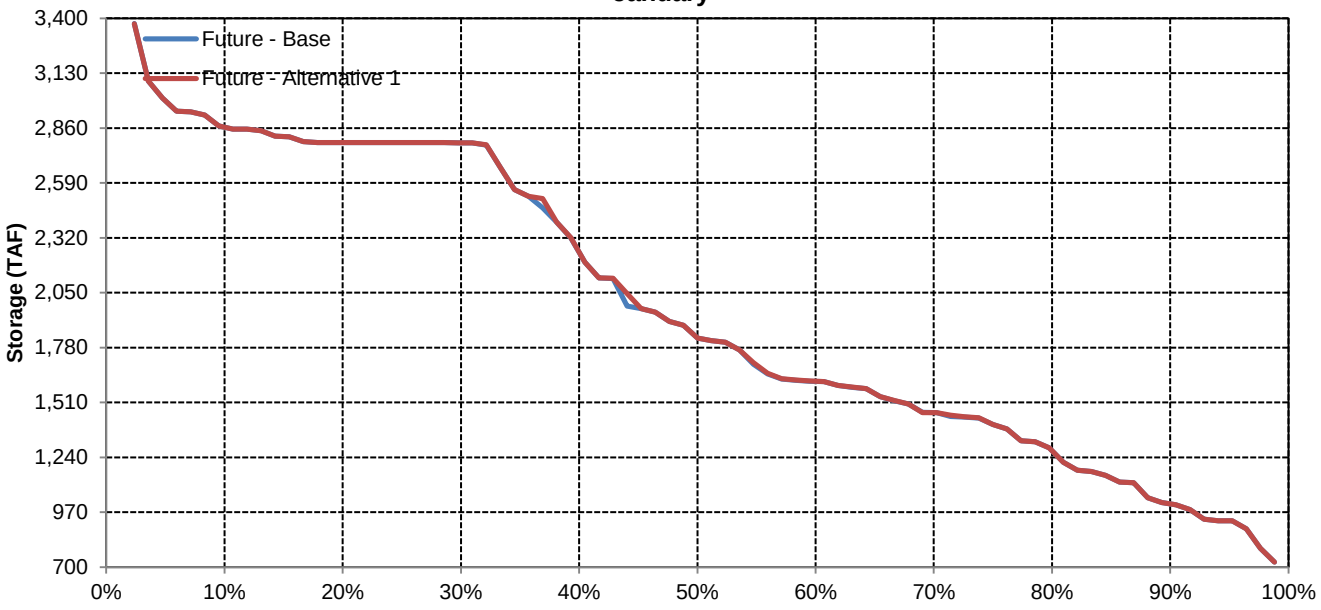
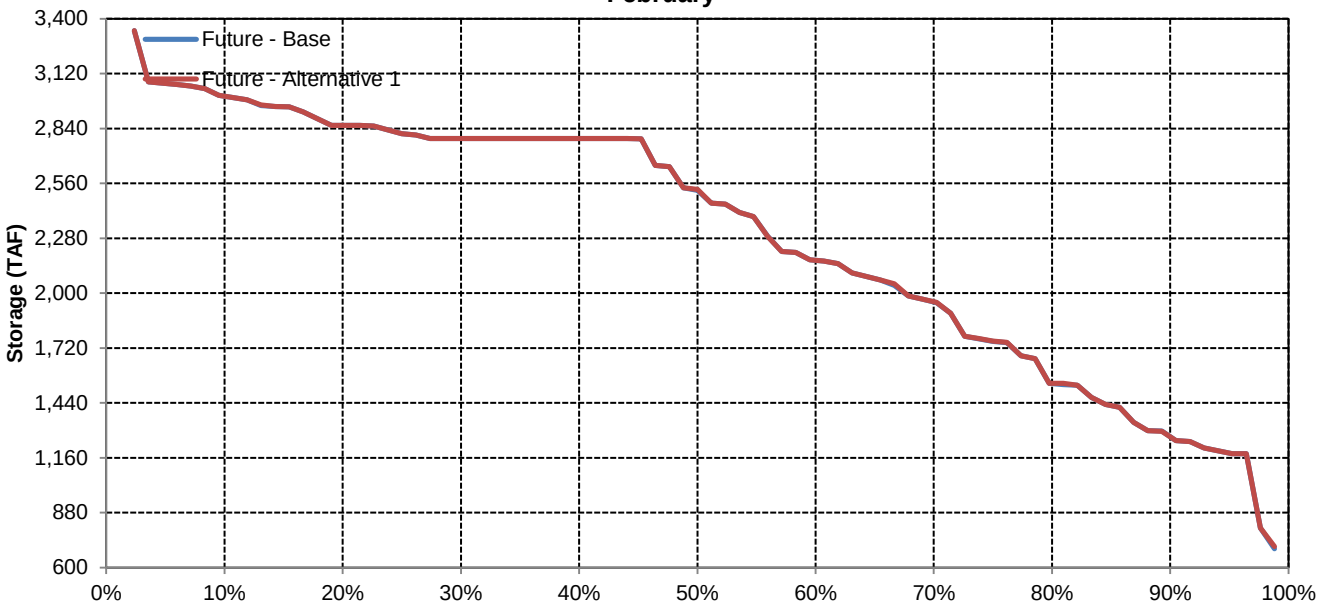


Oroville Reservoir

February



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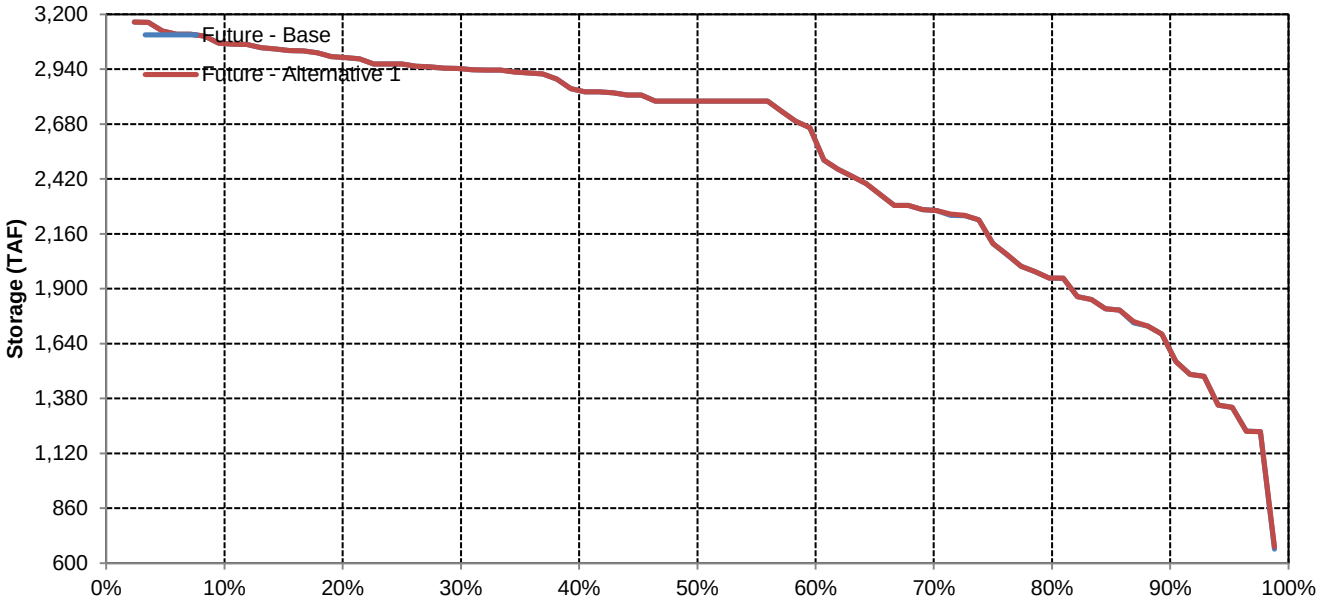
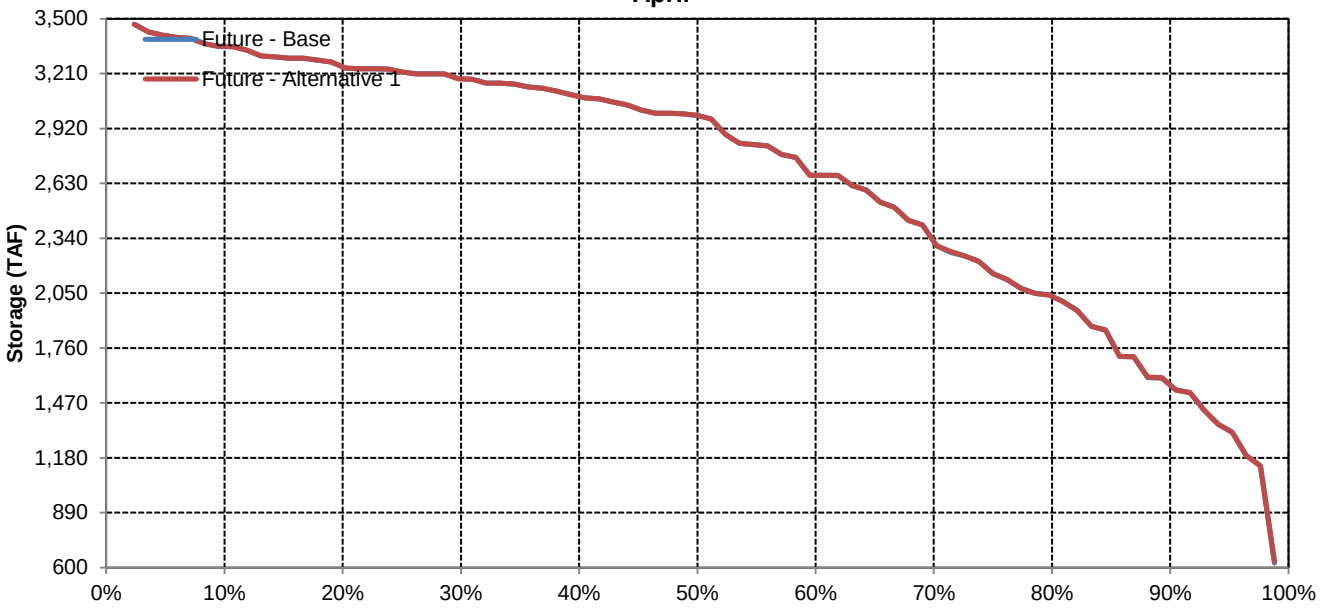


Oroville Reservoir

April



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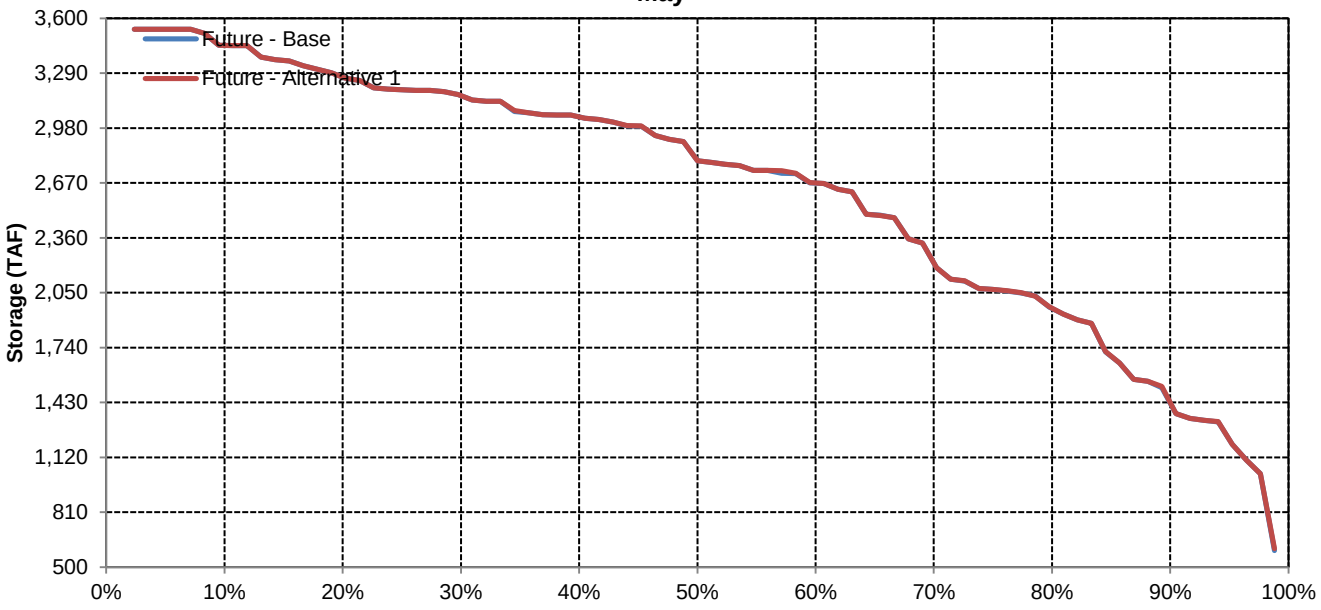
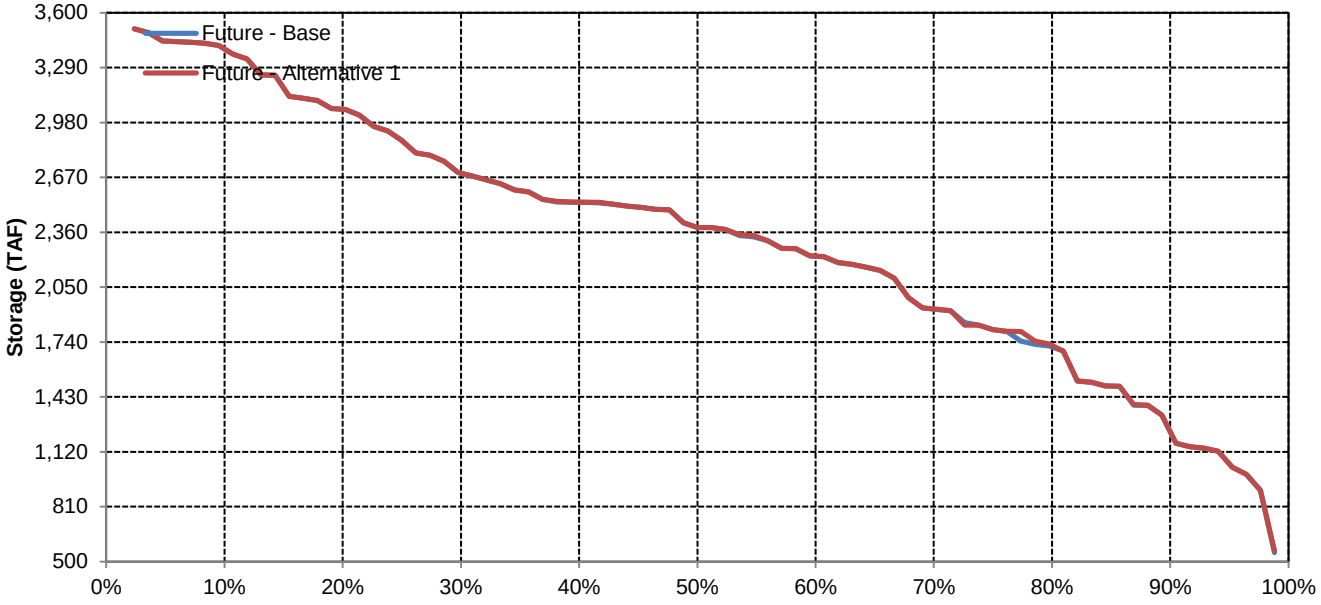
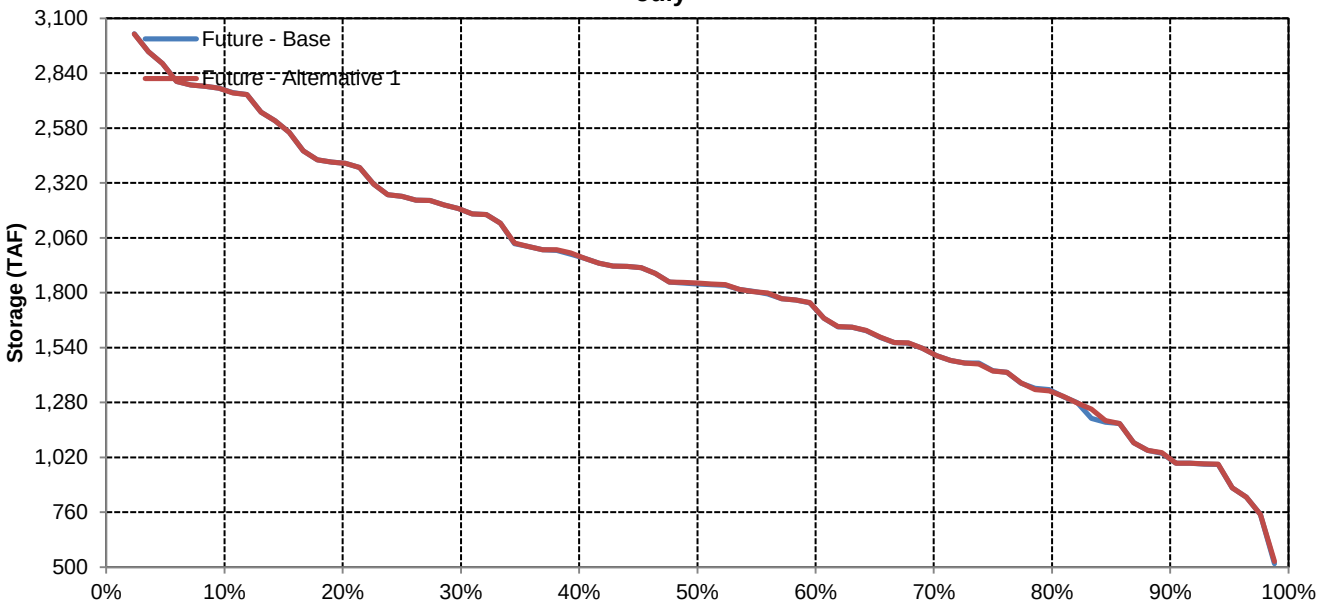


Oroville Reservoir

June

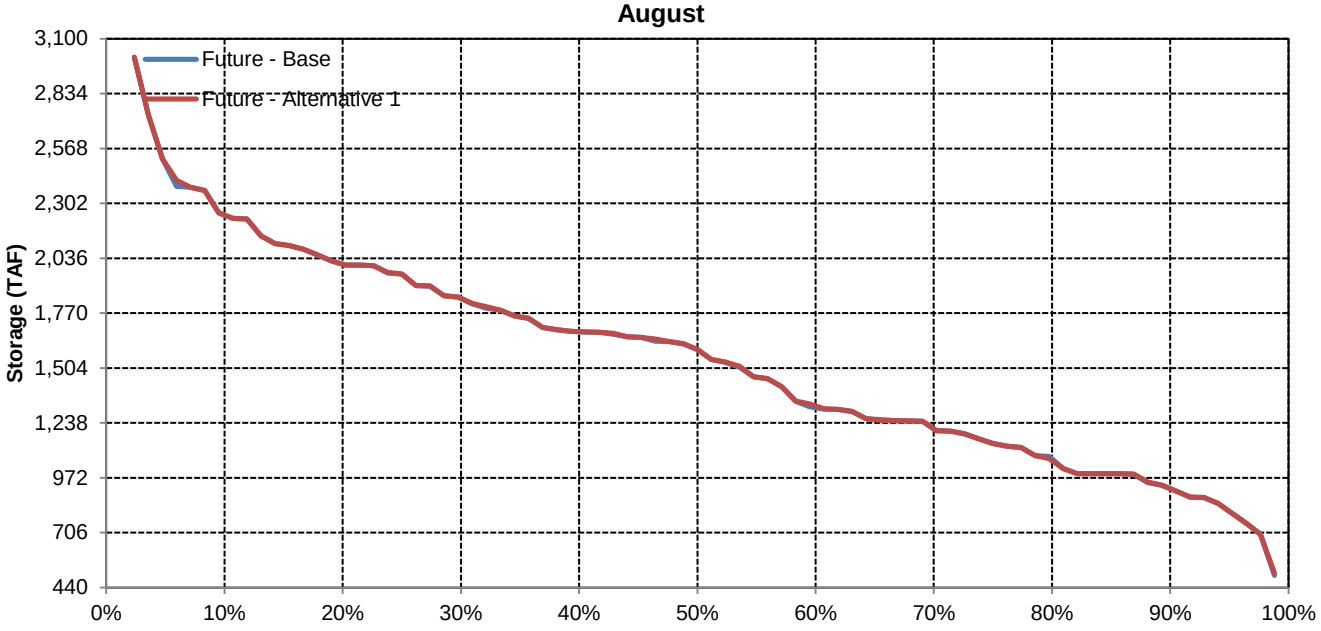


July

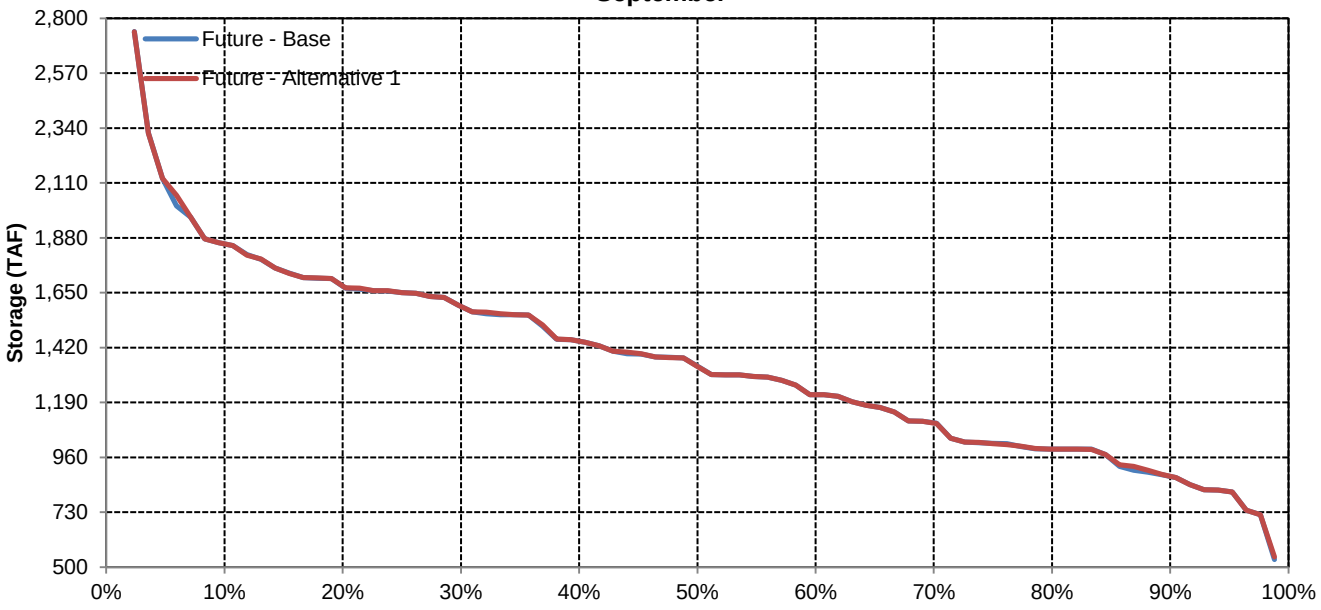


Oroville Reservoir

August



September



Long-Term and Water Year-Type Average of Folsom Reservoir Under Future - Base and Future - Alternative 1

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	354	352	404	454	482	592	680	678	580	460	427	390
Future - Alternative 1	353	352	404	454	482	592	680	678	580	460	427	390
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%
						Water Year-Types						
Wet												
Future - Base	368	385	480	522	509	624	760	806	699	547	509	430
Future - Alternative 1	368	385	480	522	509	624	760	806	699	547	508	429
Difference	0	0	0	0	0	0	0	0	0	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	363	358	415	512	550	644	766	766	668	492	471	427
Future - Alternative 1	362	357	415	512	550	644	766	766	668	492	471	427
Difference	-1	-1	0	0	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	375	361	399	471	508	624	727	714	609	493	465	455
Future - Alternative 1	375	361	399	471	508	624	727	714	608	493	465	455
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%
Dry												
Future - Base	336	332	372	411	477	592	646	596	489	395	356	357
Future - Alternative 1	335	331	371	411	477	592	647	596	489	394	356	357
Difference	-1	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%
Critical												
Future - Base	321	298	288	306	341	440	436	418	360	317	287	256
Future - Alternative 1	321	297	288	306	341	439	436	418	362	317	287	255
Difference	0	0	0	0	0	0	0	0	2	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%

Folsom Reservoir

Future - Base

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	487	501	567	567	567	662	792	939	828	636	580	540
20%	445	437	566	567	567	656	792	820	729	587	548	504
30%	395	394	498	564	563	652	792	763	694	549	519	455
40%	365	365	432	556	557	645	791	745	621	495	483	417
50%	349	342	392	507	549	629	766	706	592	443	413	396
60%	321	327	352	454	495	616	701	656	538	418	388	360
70%	304	311	319	372	443	590	635	600	500	383	356	333
80%	269	272	302	305	386	565	554	498	404	332	305	295
90%	223	217	252	260	302	426	437	426	355	311	276	231
Long Term												
Full Simulation Period	354	352	404	454	482	592	680	678	580	460	427	390
Water Year Types												
Wet	368	385	480	522	509	624	760	806	699	547	509	430
Above Normal	363	358	415	512	550	644	766	766	668	492	471	427
Below Normal	375	361	399	471	508	624	727	714	609	493	465	455
Dry	336	332	372	411	477	592	646	596	489	395	356	357
Critical	321	298	288	306	341	440	436	418	360	317	287	256

Future - Alternative 1

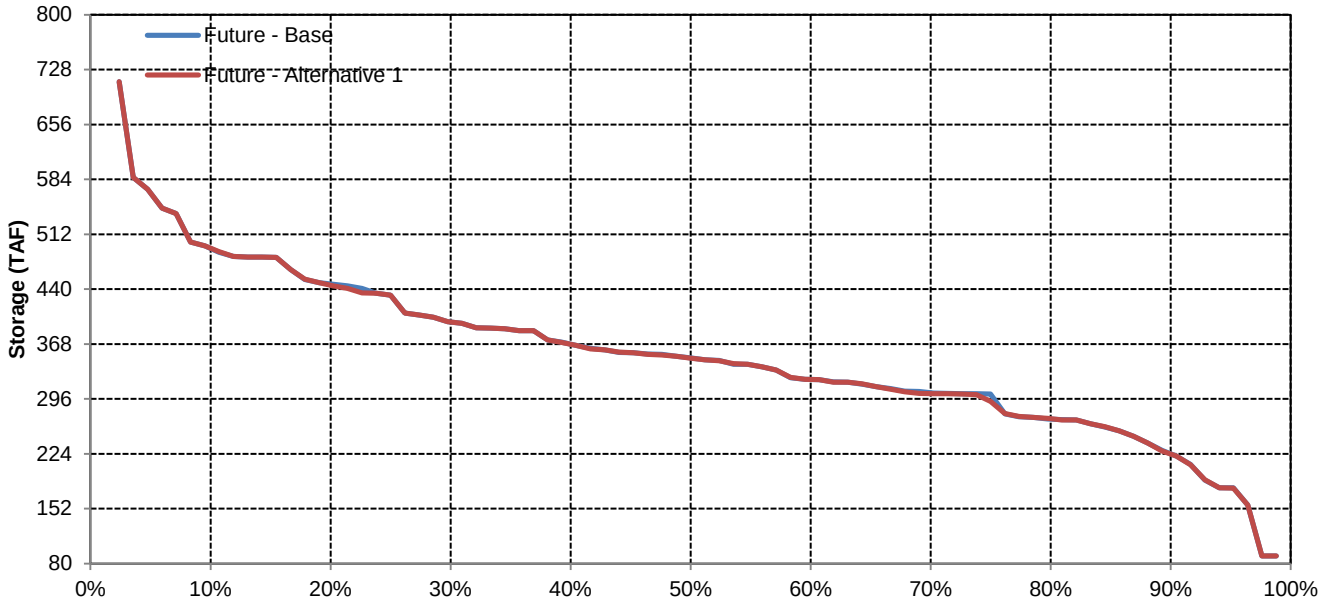
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	487	502	567	567	567	662	792	939	829	636	581	541
20%	442	437	566	567	567	656	792	820	729	587	548	503
30%	395	394	498	564	563	652	792	763	694	549	519	455
40%	365	365	432	556	557	645	791	745	621	495	483	416
50%	348	342	392	507	549	629	766	706	592	443	412	396
60%	321	327	352	454	495	616	701	656	537	418	388	360
70%	303	308	318	372	443	590	635	600	500	378	350	331
80%	270	273	302	305	386	565	554	498	404	331	305	295
90%	223	216	252	260	302	426	439	426	355	311	276	231
Long Term												
Full Simulation Period	353	352	404	454	482	592	680	678	580	460	427	390
Water Year Types												
Wet	368	385	480	522	509	624	760	806	699	547	508	429
Above Normal	362	357	415	512	550	644	766	766	668	492	471	427
Below Normal	375	361	399	471	508	624	727	714	608	493	465	455
Dry	335	331	371	411	477	592	647	596	489	394	356	357
Critical	321	297	288	306	341	439	436	418	362	317	287	255

Future - Alternative 1 Minus Future - Base

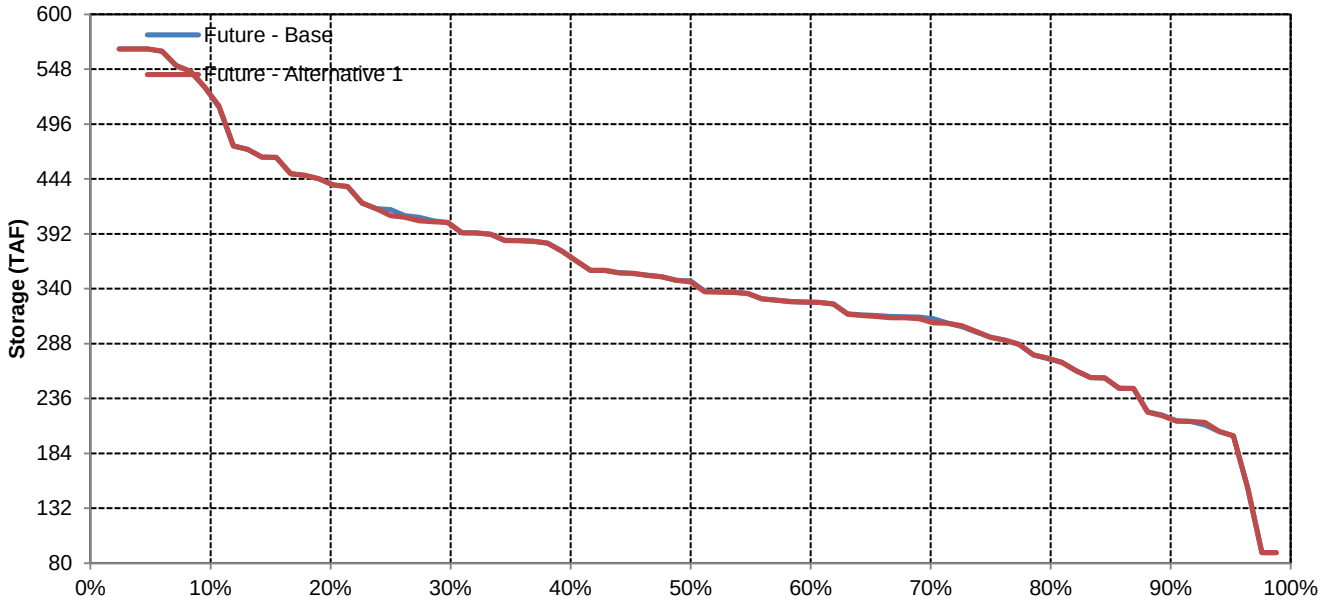
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	1	1	0	0	0	0	0	0	0	0	1	1
20%	-3	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	-1
50%	0	-1	0	0	0	0	0	0	0	0	-1	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	-1	-4	-1	0	0	0	0	0	0	-5	-6	-2
80%	0	0	0	0	-1	0	0	0	0	-2	0	0
90%	0	0	0	0	0	0	2	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	-1	-1	-1
Above Normal	-1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	-1	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	2	0	0	0

Folsom Reservoir

October

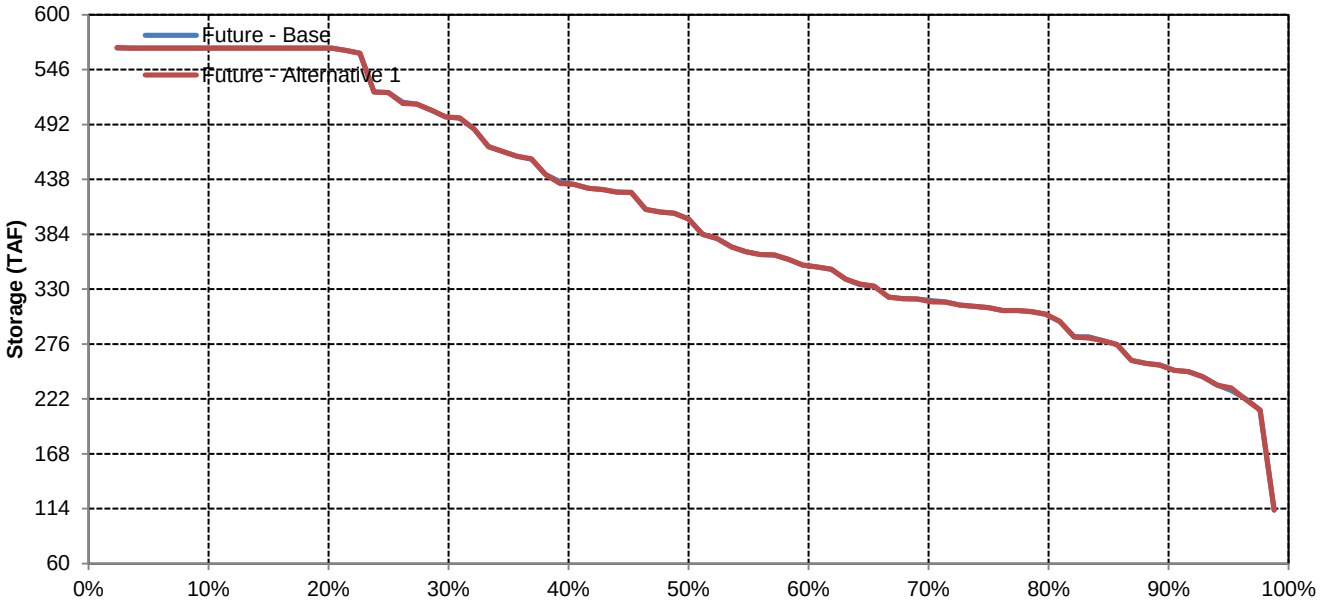


November

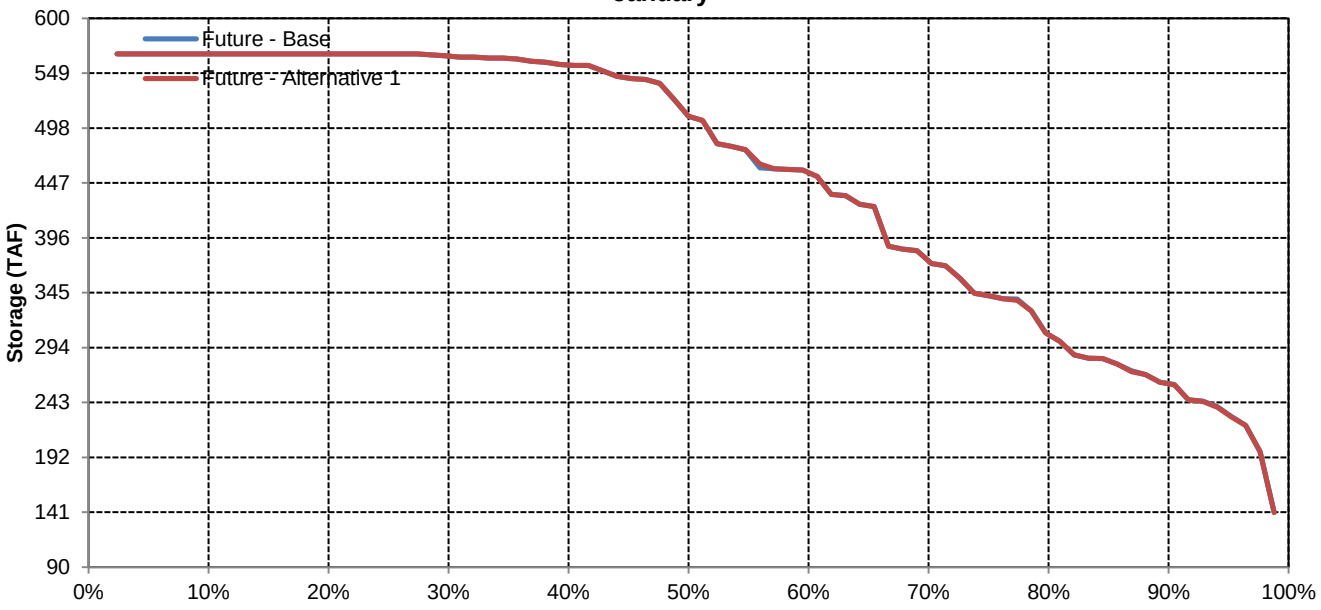


Folsom Reservoir

December

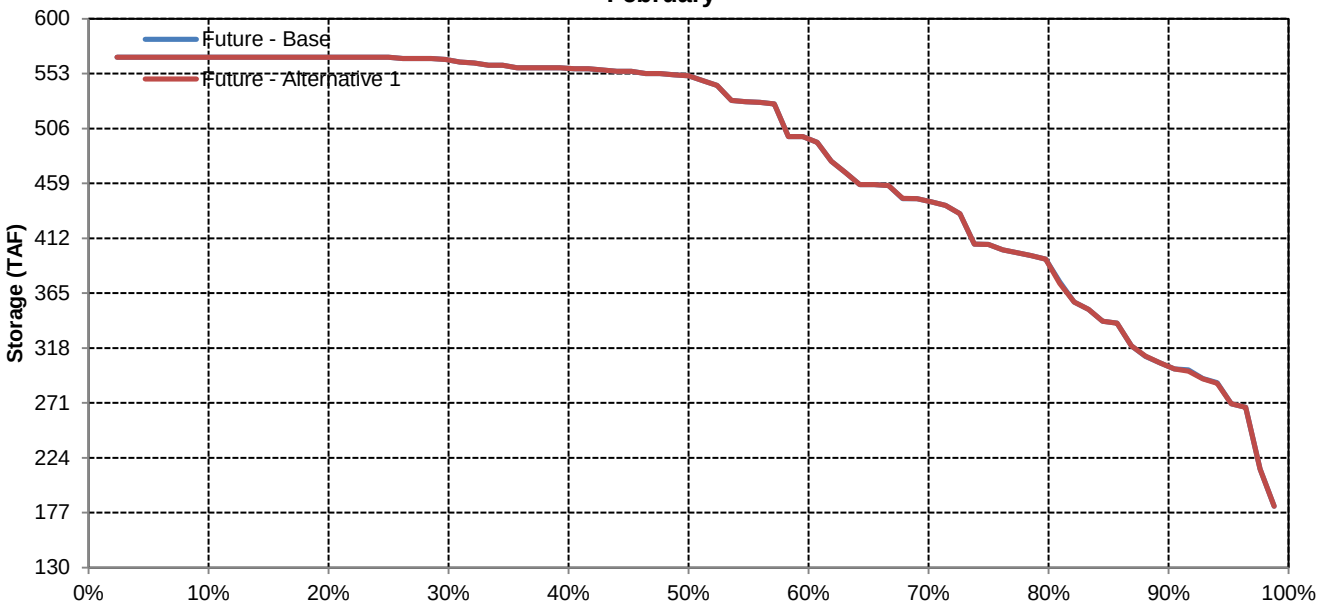


January

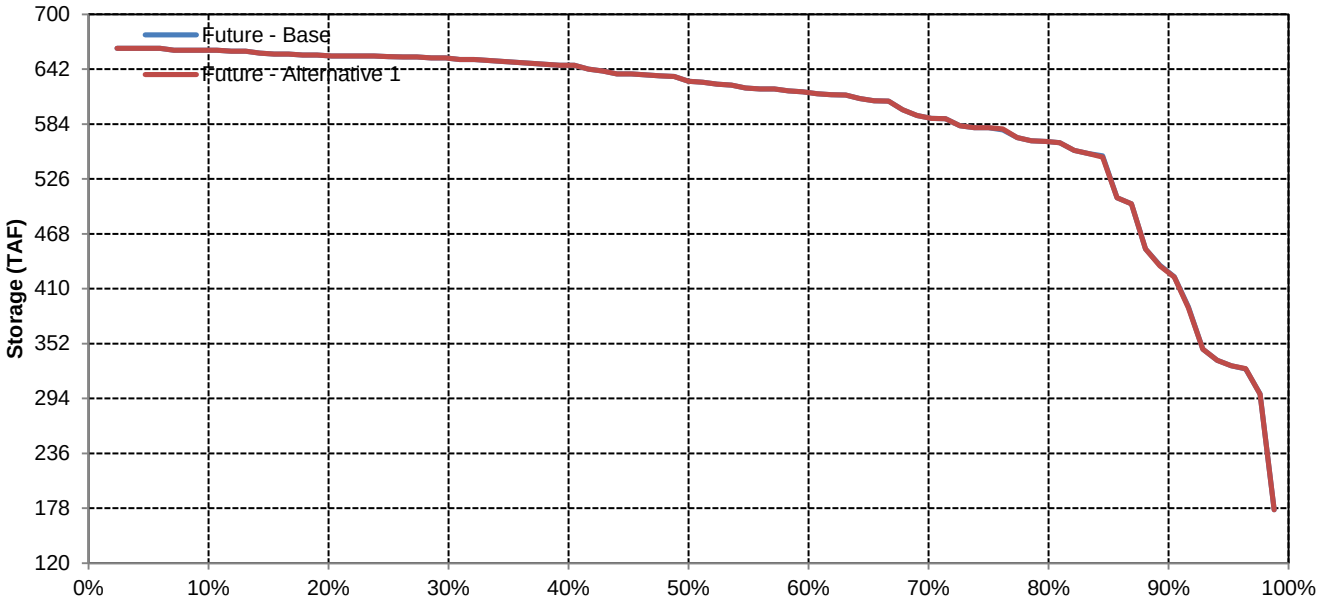


Folsom Reservoir

February

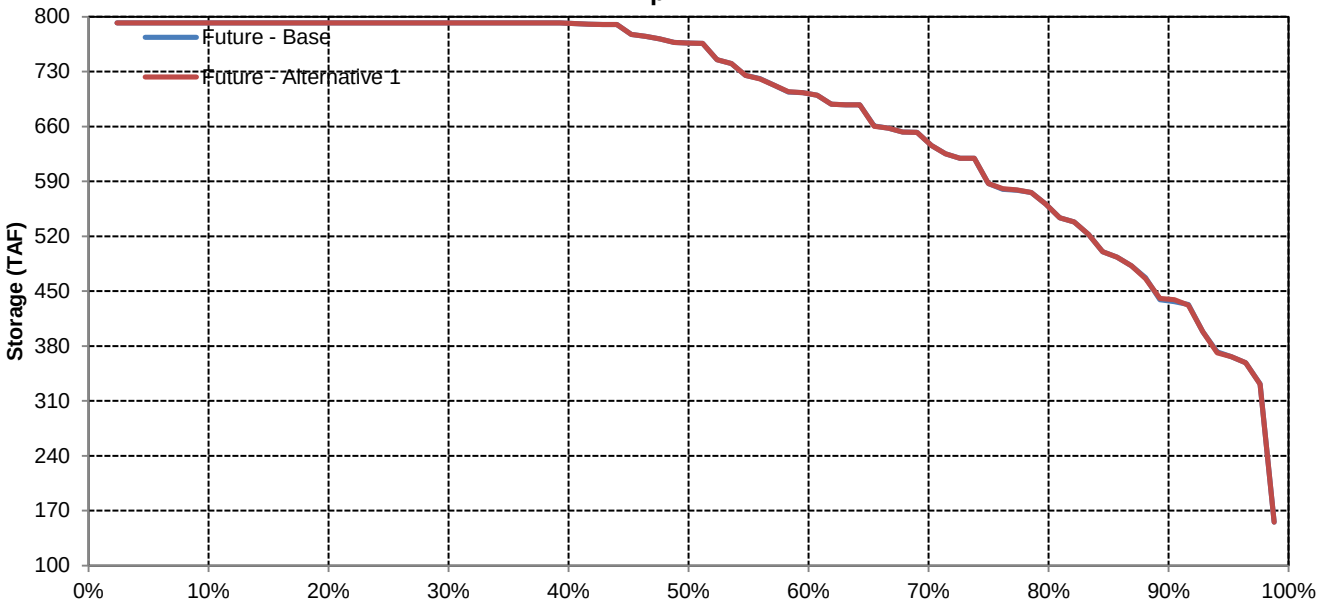


March

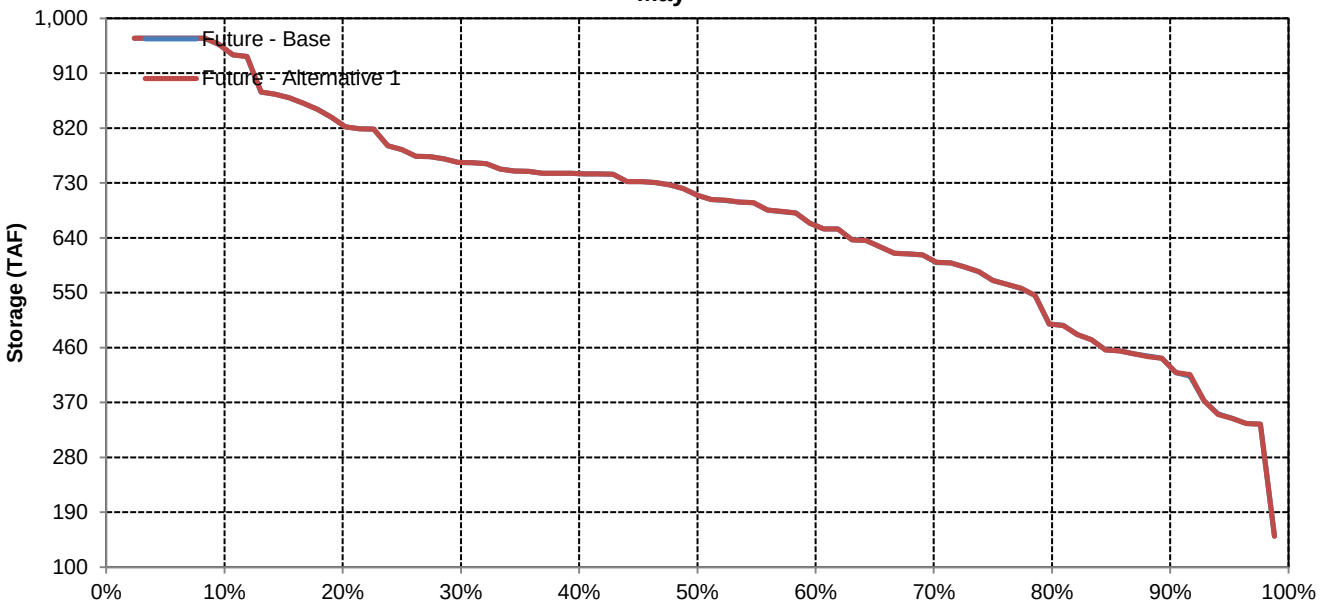


Folsom Reservoir

April

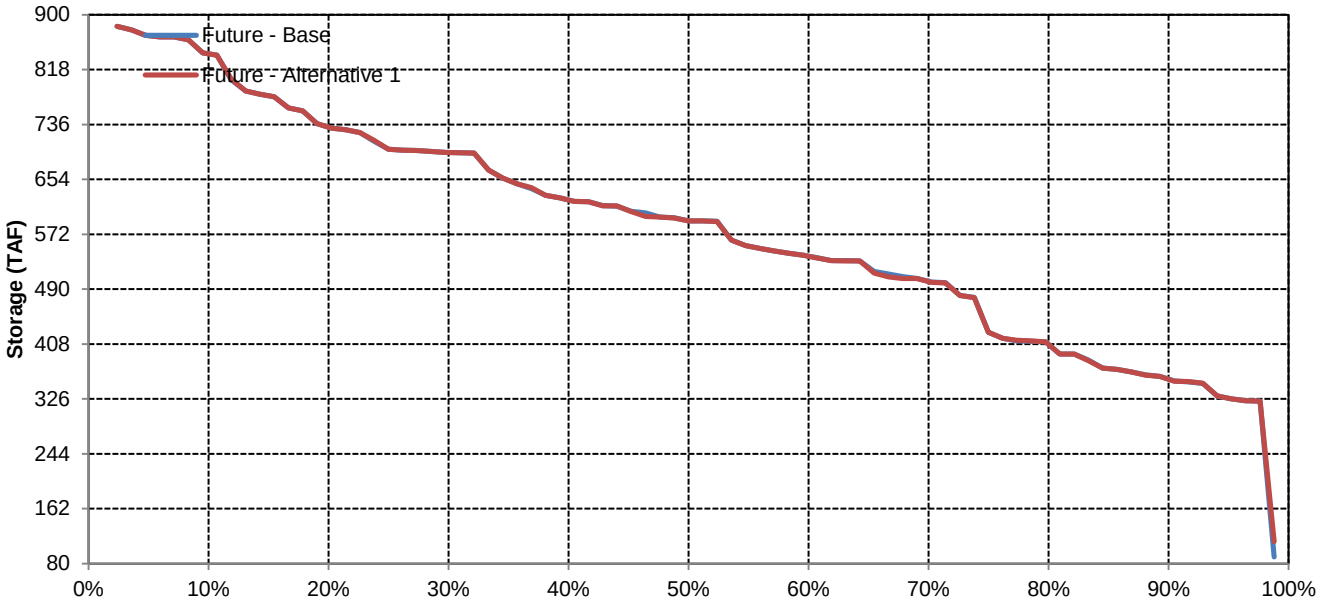


May

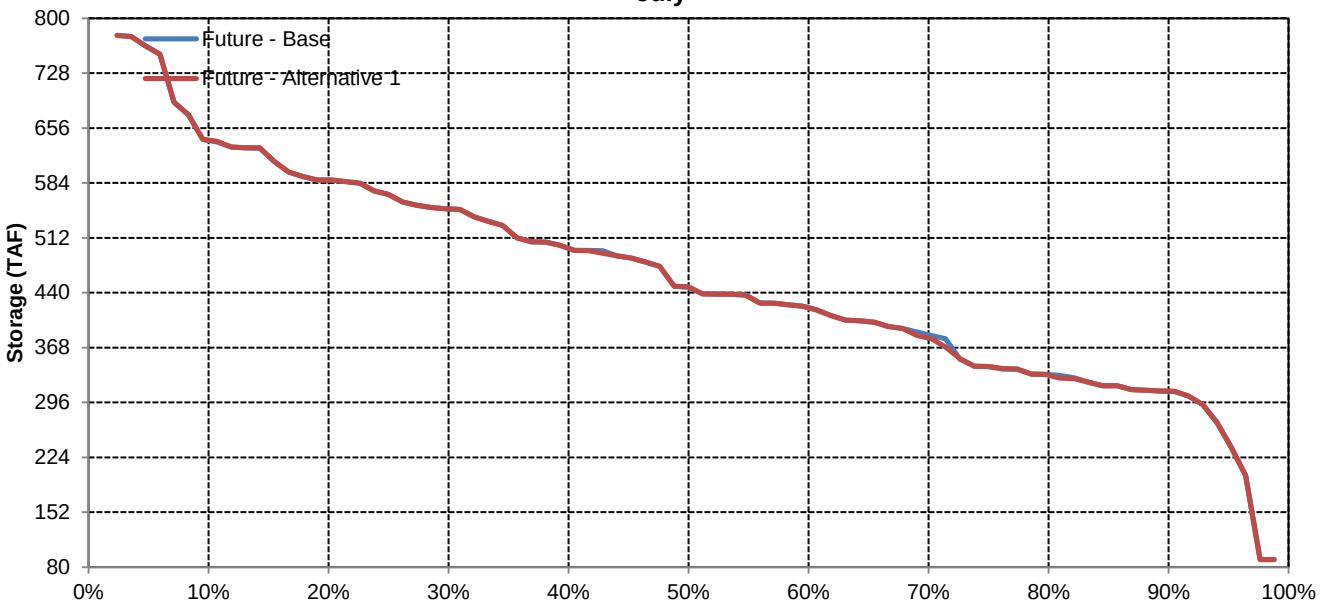


Folsom Reservoir

June

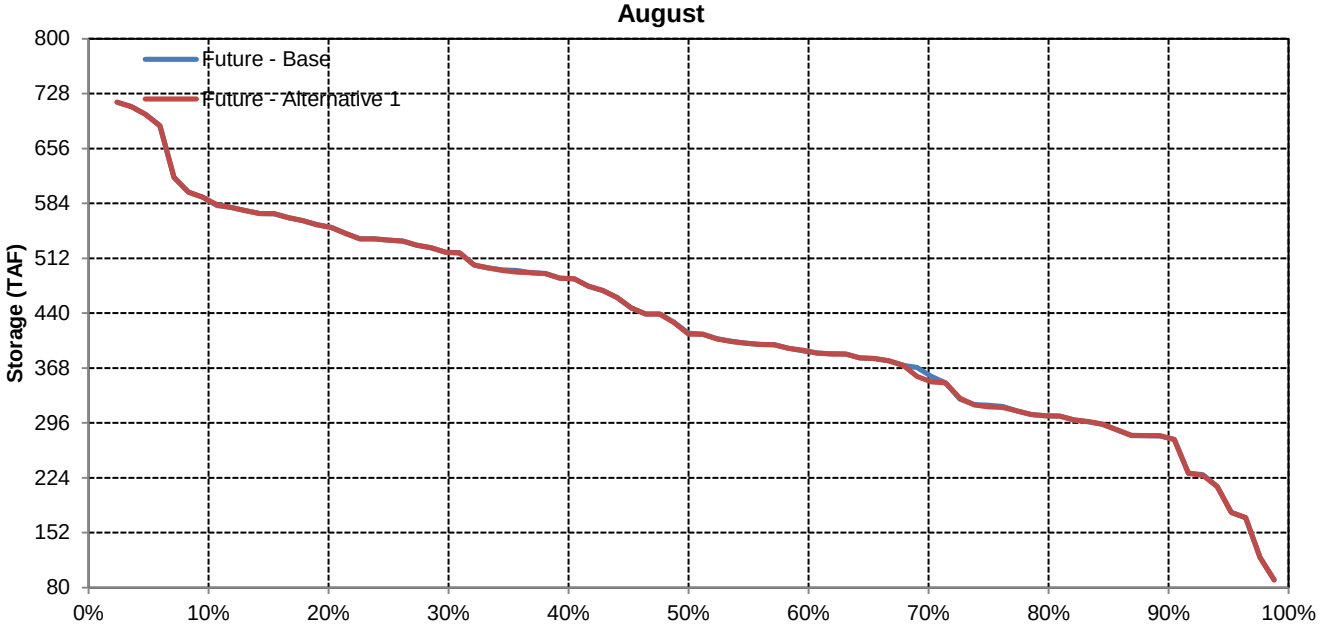


July

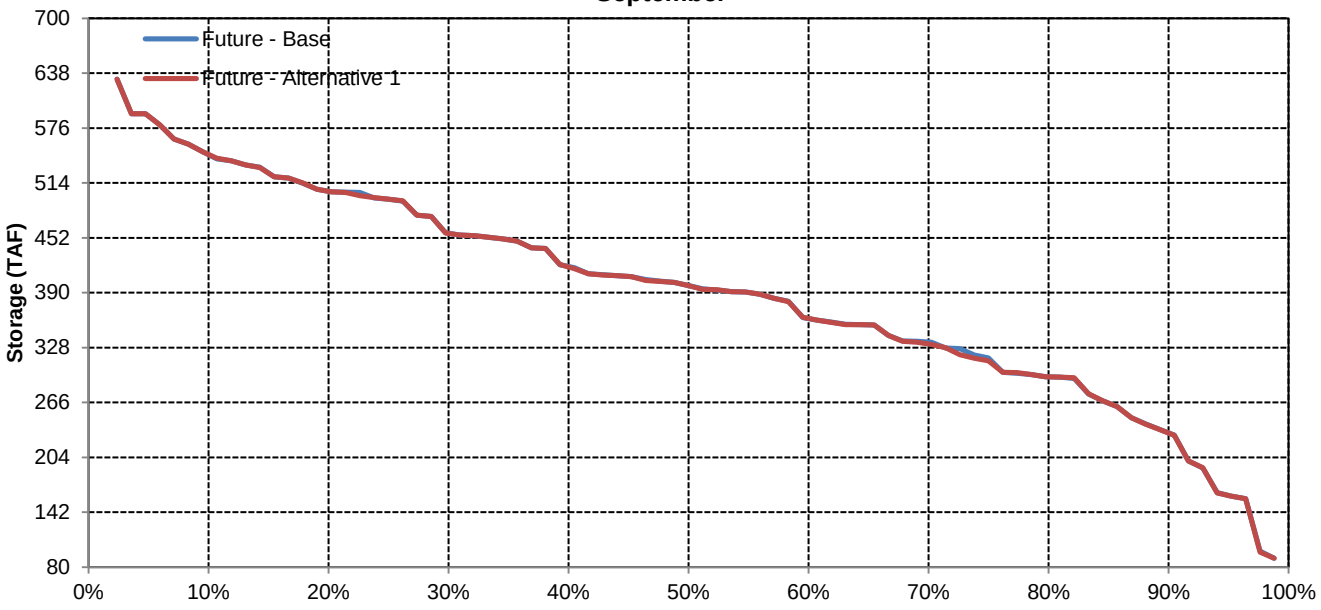


Folsom Reservoir

August



September



Long-Term and Water Year-Type Average of CVP San Luis Reservoir Under Future - Base and Future - Alternative 1

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	218	294	461	615	743	823	788	682	578	413	314	270
Future - Alternative 1	217	293	459	612	742	821	786	680	576	412	313	269
Difference	0	-1	-2	-3	-1	-2	-2	-2	-2	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	203	294	487	682	836	918	880	792	678	499	390	304
Future - Alternative 1	200	291	482	679	835	918	879	790	675	497	388	302
Difference	-3	-3	-5	-3	0	0	-2	-2	-3	-2	-2	-2
Percent Difference	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
Above Normal												
Future - Base	215	289	456	607	754	844	802	668	594	409	303	202
Future - Alternative 1	225	299	463	614	757	844	801	667	594	409	303	202
Difference	10	10	7	7	3	0	0	0	0	0	0	0
Percent Difference	5%	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	237	280	459	588	713	836	815	706	632	430	313	312
Future - Alternative 1	234	277	456	583	712	835	813	705	631	430	314	312
Difference	-3	-3	-3	-5	-1	-1	-1	-1	0	1	0	0
Percent Difference	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	211	284	442	576	689	772	742	621	516	359	253	240
Future - Alternative 1	209	281	439	573	689	771	741	620	515	359	253	239
Difference	-3	-3	-2	-3	0	-1	-1	-1	-1	0	0	0
Percent Difference	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	242	329	444	571	654	666	621	536	395	302	263	262
Future - Alternative 1	243	330	443	563	646	658	614	529	388	300	260	259
Difference	1	1	0	-8	-8	-8	-7	-7	-7	-2	-2	-2
Percent Difference	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-2%	-1%	-1%	-1%

Future - Base

End-of-Month Storage (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	442	574	764	972	972	972	972	909	861	675	596	517
20%	367	426	607	826	972	972	958	858	767	563	489	434
30%	272	373	528	720	942	972	913	806	702	492	413	347
40%	209	298	476	659	826	967	889	768	647	455	316	289
50%	160	269	425	581	736	883	869	715	609	394	256	223
60%	118	232	369	521	682	833	793	636	539	340	226	161
70%	90	173	327	477	630	718	665	571	458	287	190	132
80%	90	122	284	432	554	658	611	480	404	238	140	91
90%	90	90	246	370	439	573	531	393	274	197	110	90
Long Term												
Full Simulation Period	218	294	461	615	743	823	788	682	578	413	314	270
Water Year Types												
Wet	203	294	487	682	836	918	880	792	678	499	390	304
Above Normal	215	289	456	607	754	844	802	668	594	409	303	202
Below Normal	237	280	459	588	713	836	815	706	632	430	313	312
Dry	211	284	442	576	689	772	742	621	516	359	253	240
Critical	242	329	444	571	654	666	621	536	395	302	263	262

Future - Alternative 1

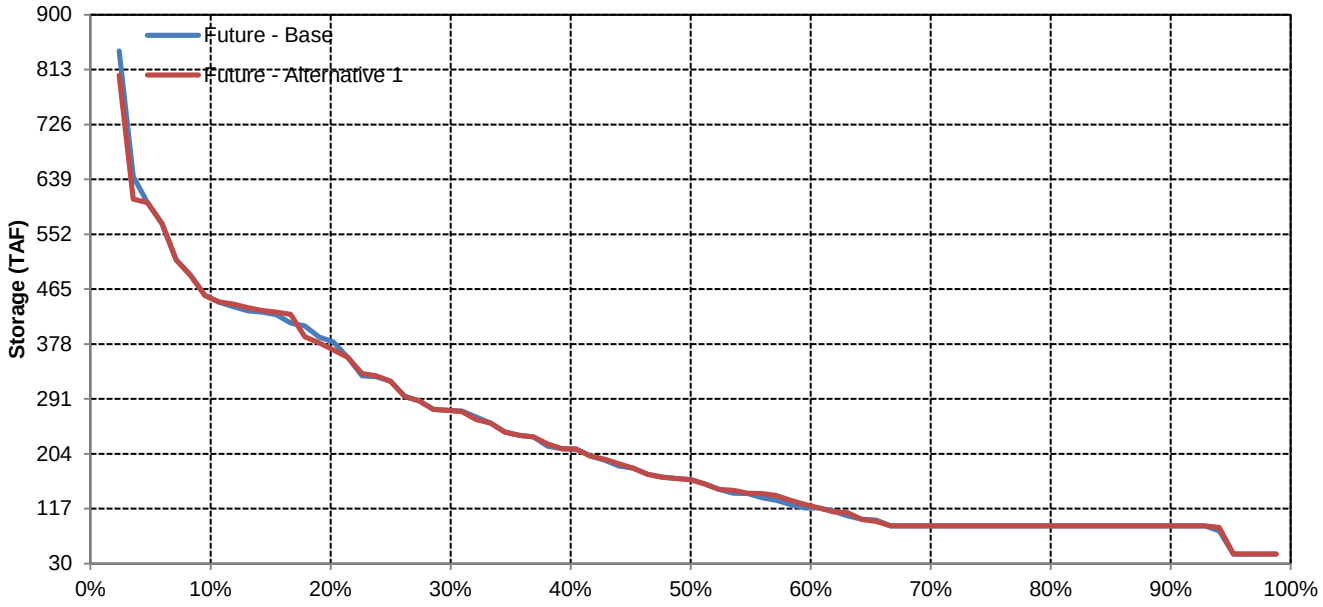
End-of-Month Storage (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	444	575	765	972	972	972	972	909	860	674	596	517
20%	362	428	589	827	972	972	958	858	767	563	490	432
30%	271	374	532	724	944	972	913	806	702	492	392	346
40%	209	300	473	657	825	968	887	767	644	454	316	289
50%	160	268	428	581	729	881	866	711	609	394	256	220
60%	119	232	368	513	682	832	796	641	537	340	224	166
70%	90	173	327	477	629	718	661	568	454	284	193	132
80%	90	122	275	435	552	656	610	479	402	239	140	91
90%	90	90	248	350	433	575	528	391	274	196	109	90
Long Term												
Full Simulation Period	217	293	459	612	742	821	786	680	576	412	313	269
Water Year Types												
Wet	200	291	482	679	835	918	879	790	675	497	388	302
Above Normal	225	299	463	614	757	844	801	667	594	409	303	202
Below Normal	234	277	456	583	712	835	813	705	631	430	314	312
Dry	209	281	439	573	689	771	741	620	515	359	253	239
Critical	243	330	443	563	646	658	614	529	388	300	260	259

Future - Alternative 1 Minus Future - Base

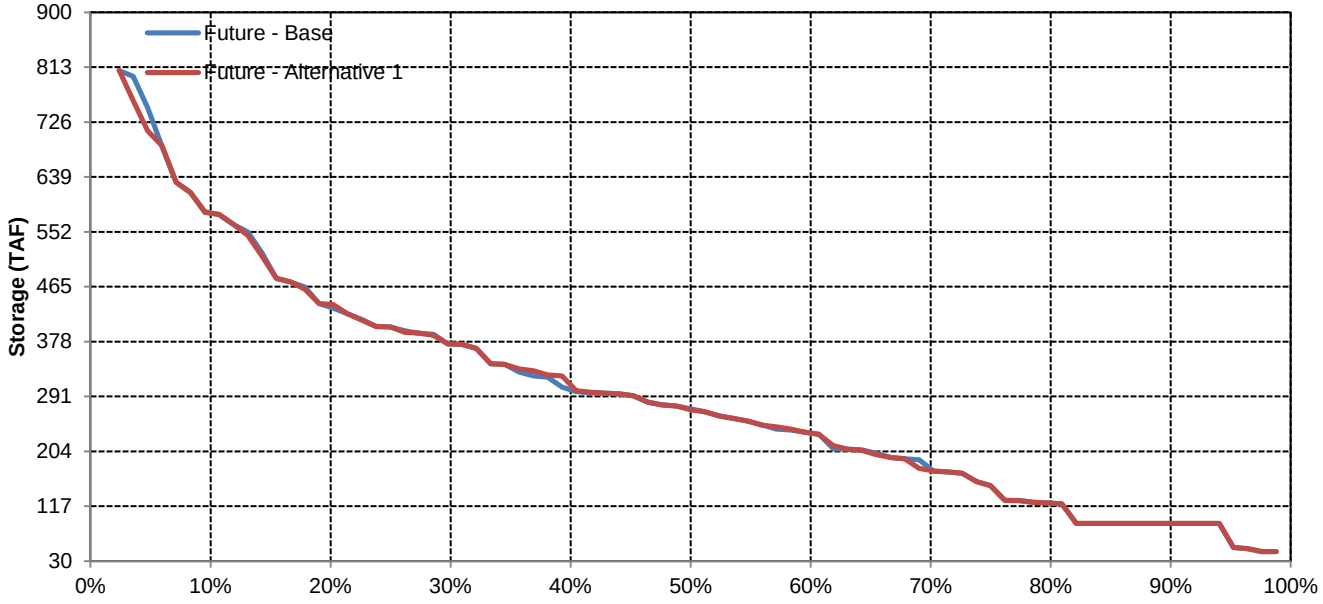
End-of-Month Storage (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2	1	1	0	0	0	0	0	0	0	0	0
20%	-5	2	-19	1	0	0	0	0	0	0	0	-2
30%	-1	0	4	4	2	0	0	0	0	0	-21	-1
40%	0	2	-4	-2	0	1	-2	0	-3	-1	0	0
50%	0	-1	3	0	-8	-2	-3	-4	1	0	0	-3
60%	1	0	0	-8	-1	0	4	5	-2	1	-2	4
70%	0	0	0	0	0	0	-4	-3	-4	-3	3	0
80%	0	0	-9	3	-2	-3	-1	-1	-1	1	0	0
90%	0	0	3	-21	-6	3	-3	-2	0	0	-1	0
Long Term												
Full Simulation Period	0	-1	-2	-3	-1	-2	-2	-2	-2	-1	-1	-1
Water Year Types												
Wet	-3	-3	-5	-3	0	0	-2	-2	-3	-2	-2	-2
Above Normal	10	10	7	7	3	0	0	0	0	0	0	0
Below Normal	-3	-3	-3	-5	-1	-1	-1	-1	0	1	0	0
Dry	-3	-3	-2	-3	0	-1	-1	-1	-1	0	0	0
Critical	1	1	0	-8	-8	-8	-7	-7	-7	-2	-2	-2

CVP San Luis Reservoir

October

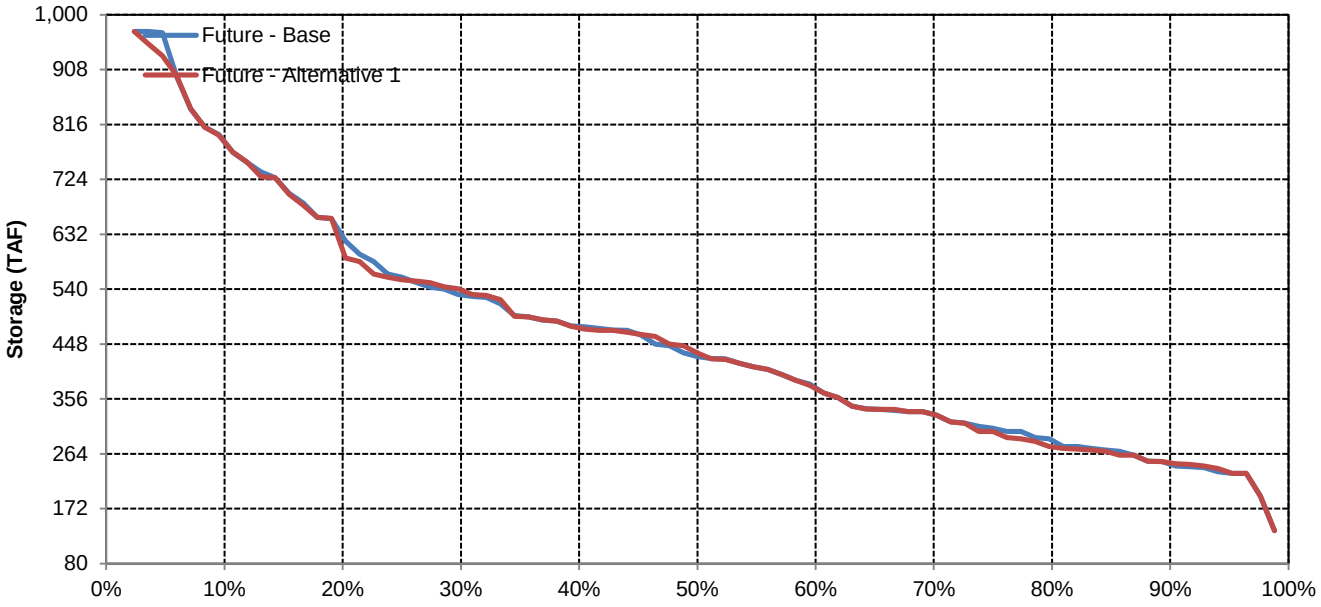


November

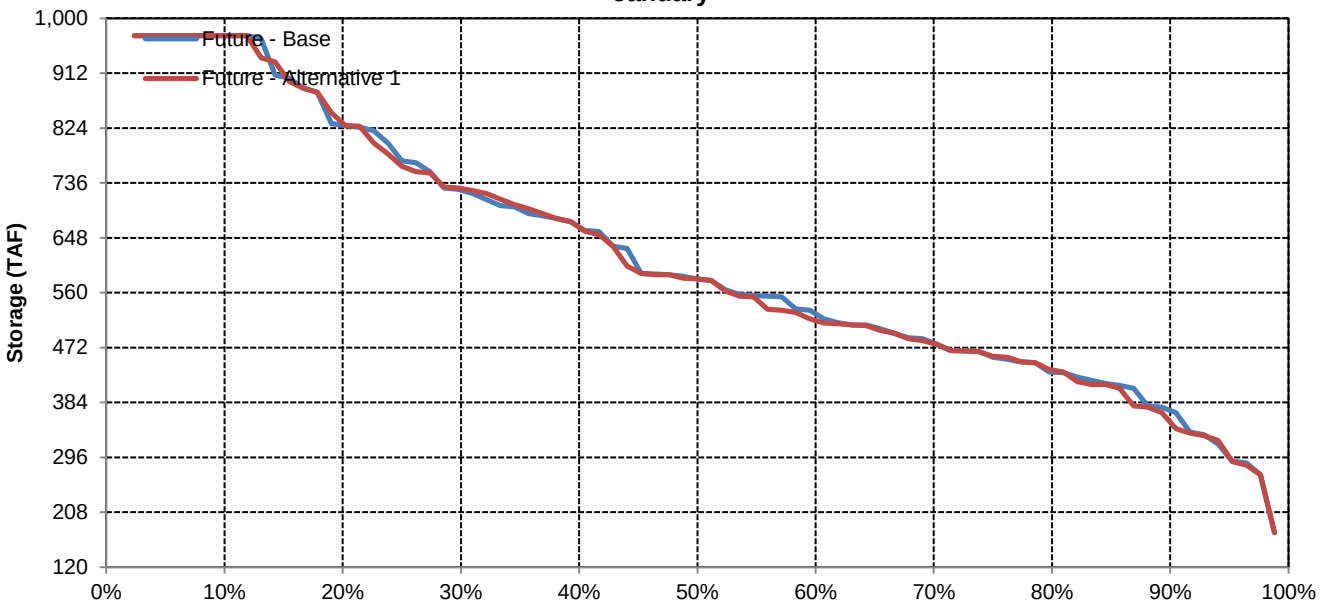


CVP San Luis Reservoir

December

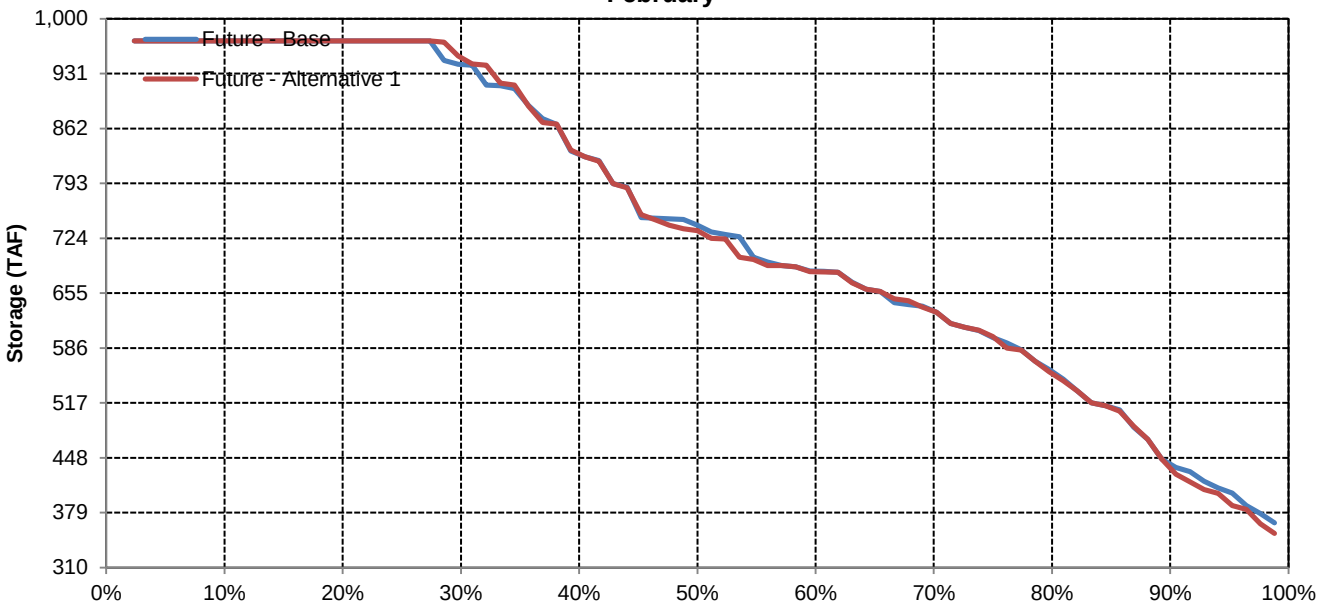


January

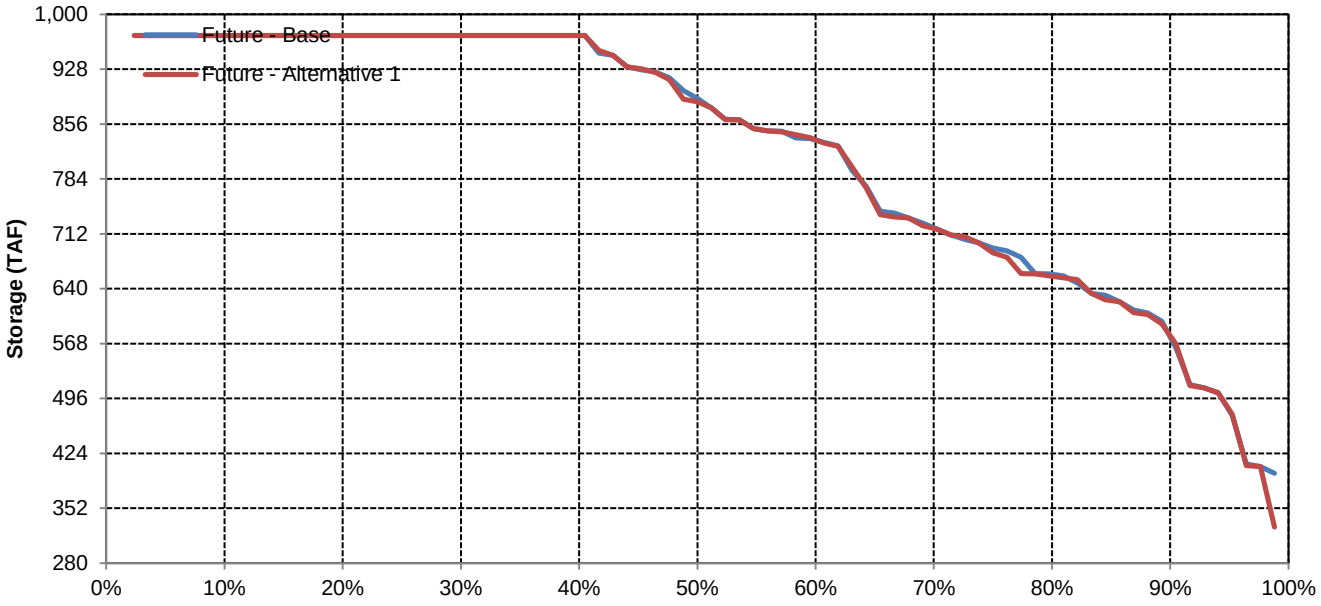


CVP San Luis Reservoir

February

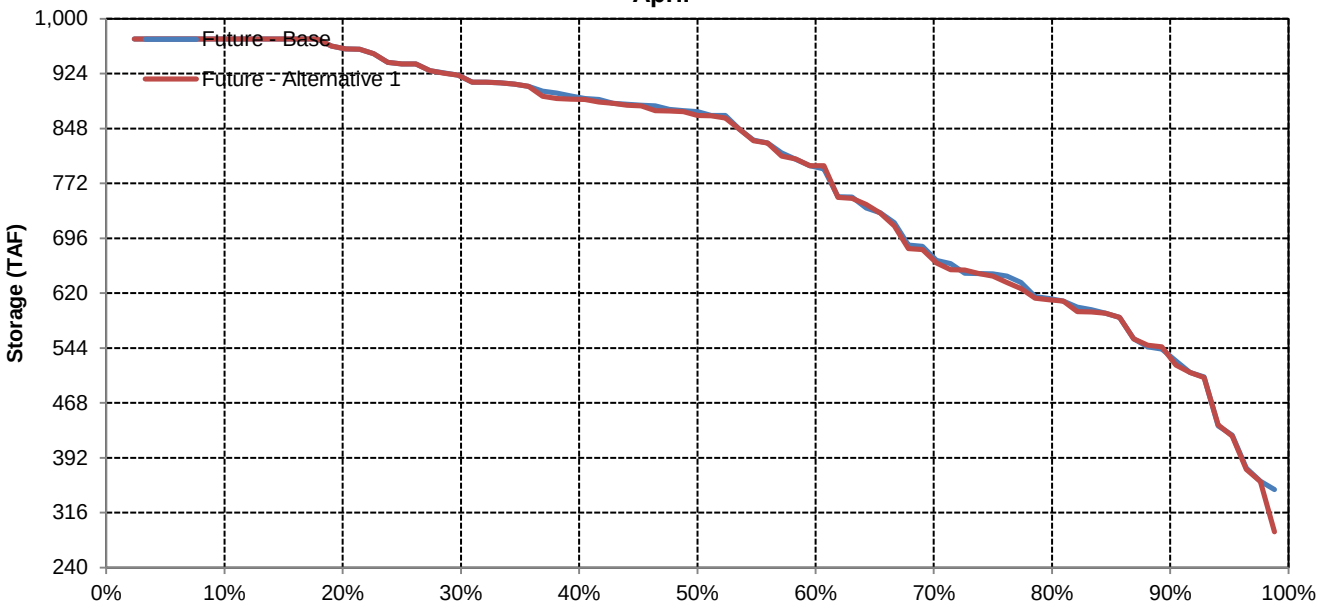


March

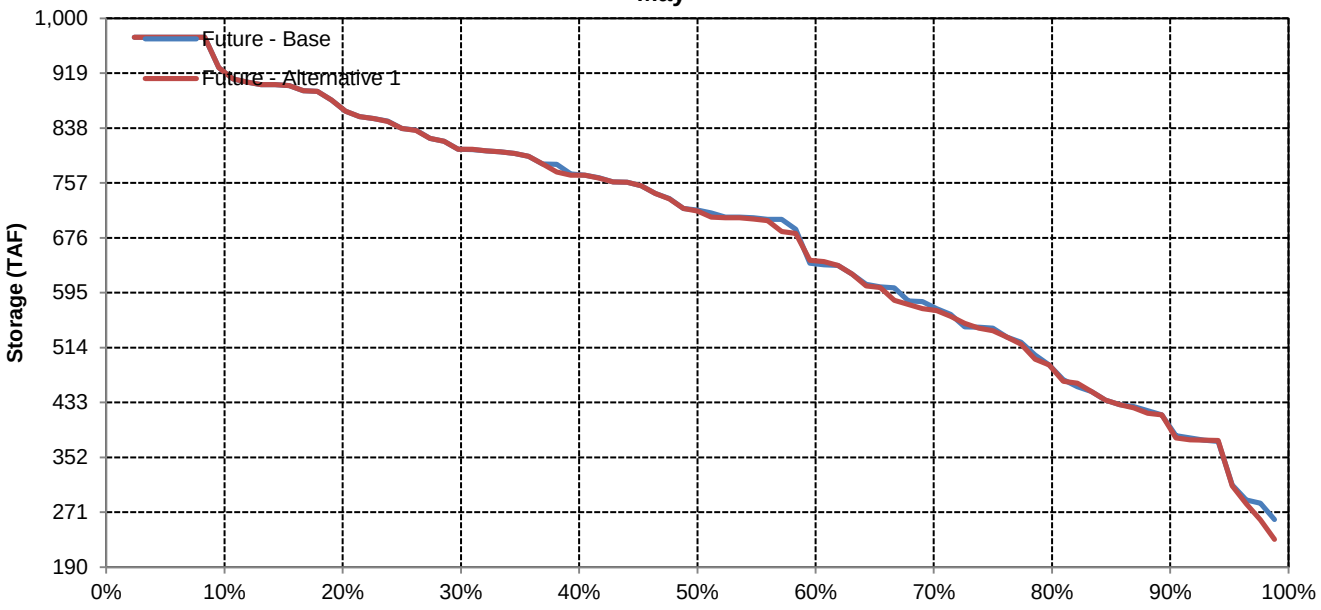


CVP San Luis Reservoir

April

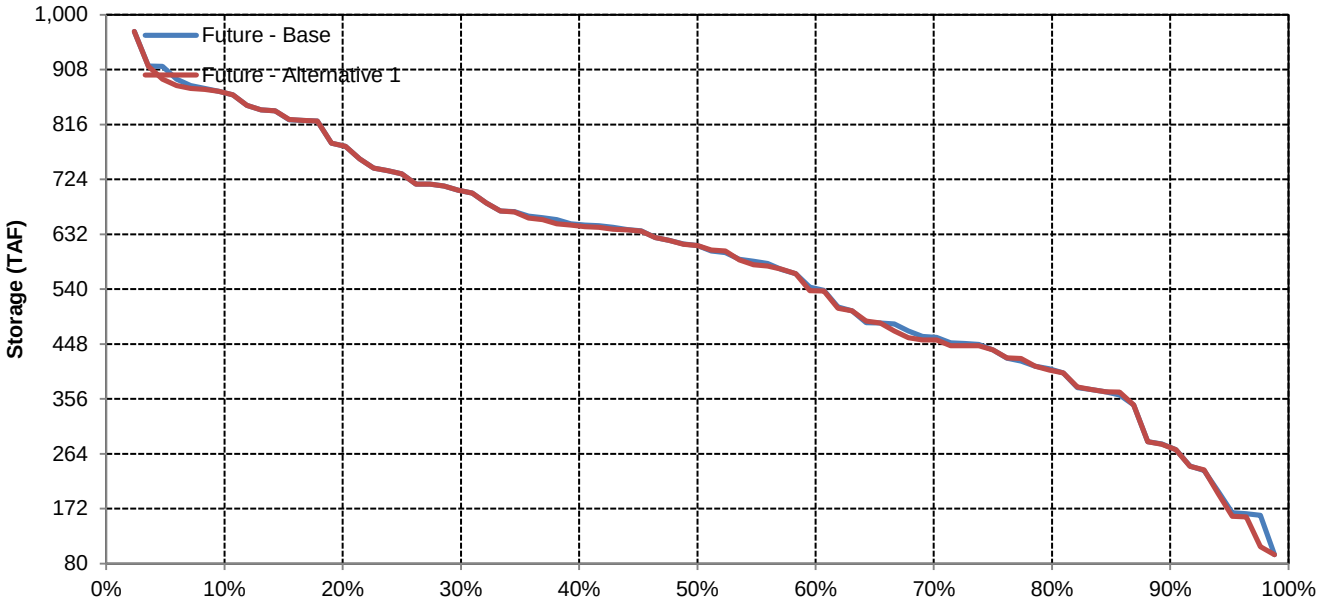


May

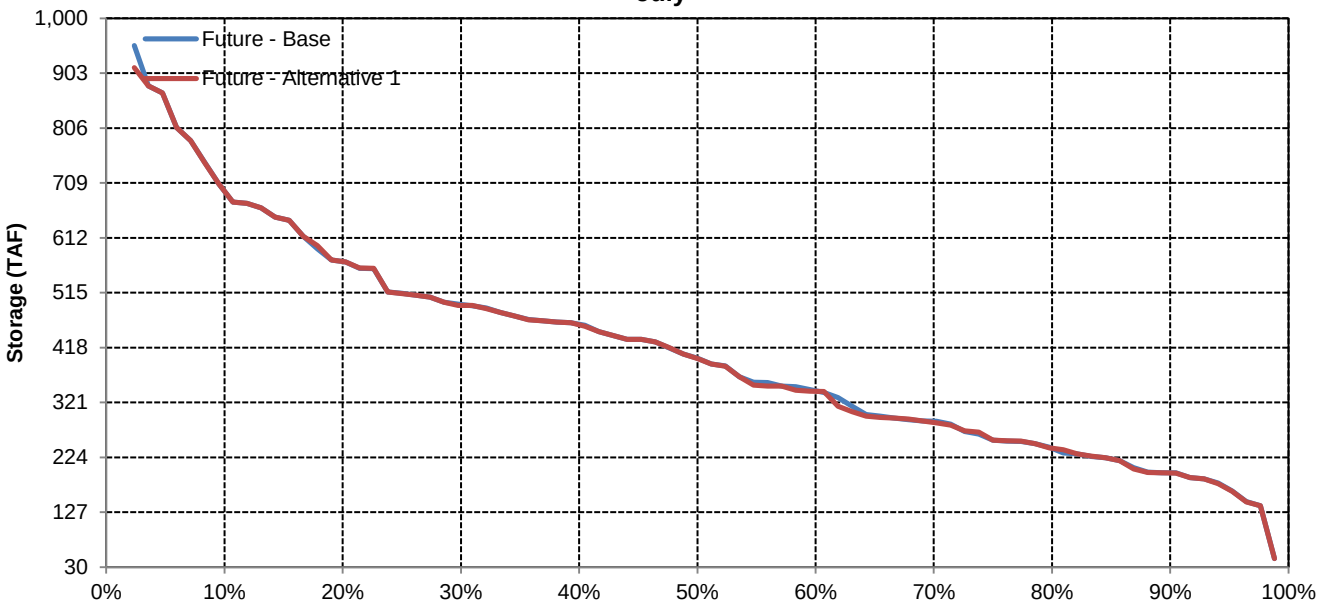


CVP San Luis Reservoir

June

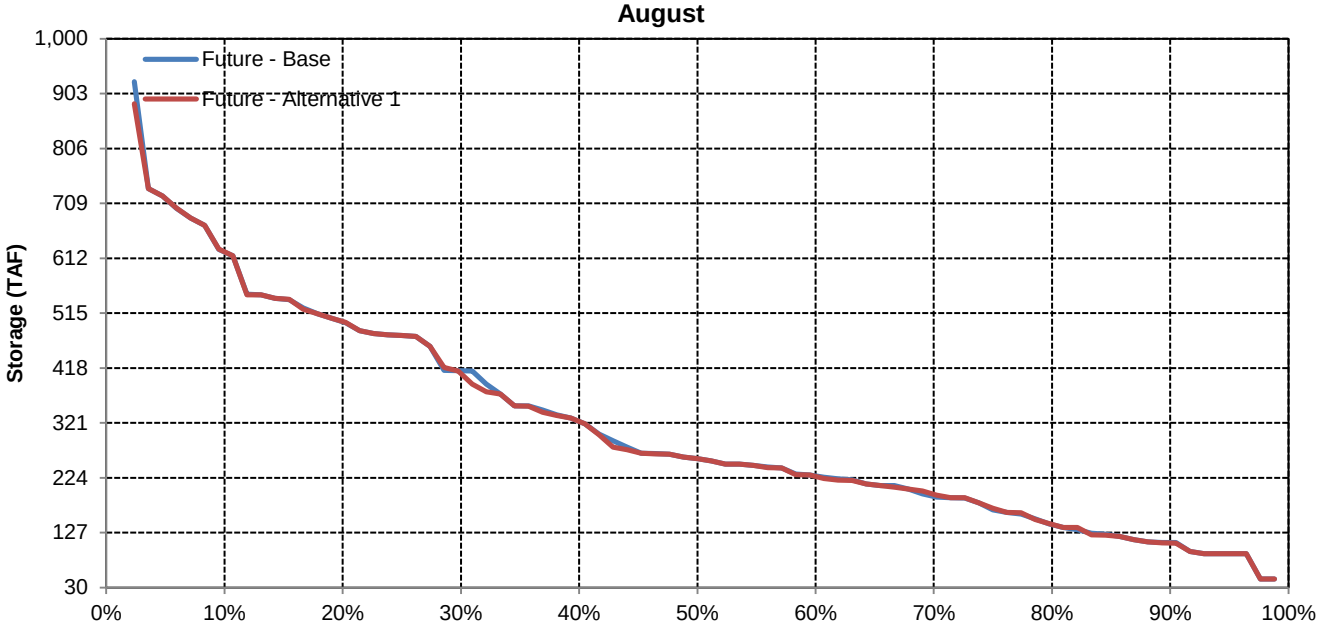


July

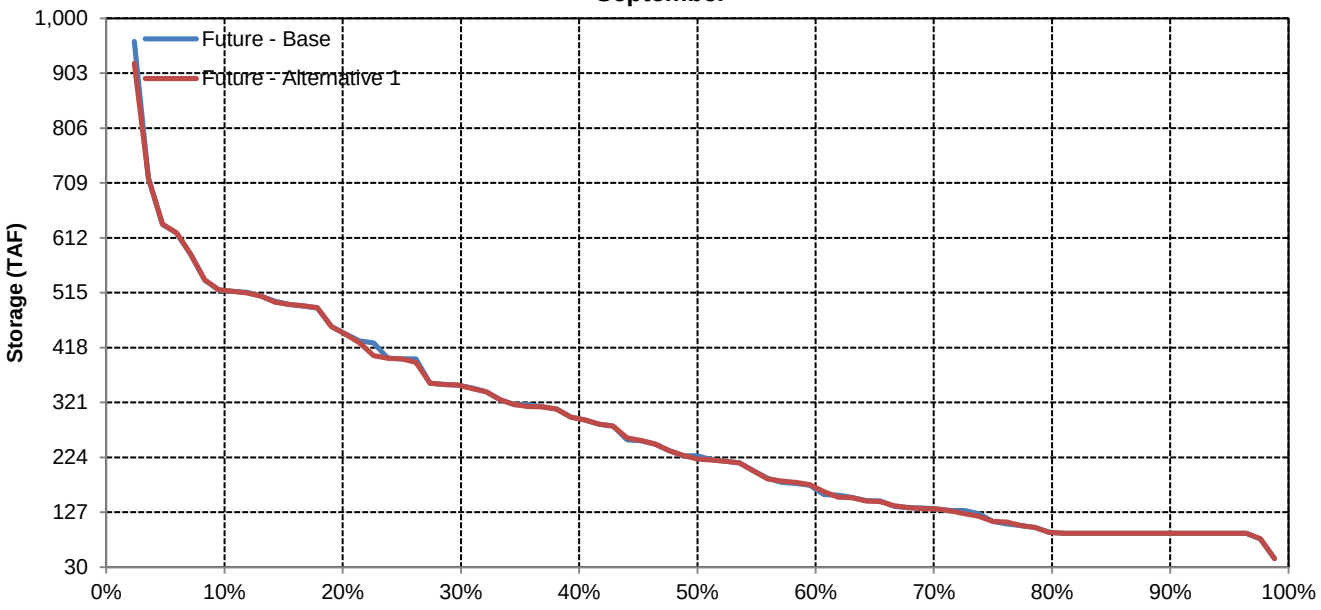


CVP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of SWP San Luis Reservoir Under Future - Base and Future - Alternative 1

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	181	218	351	573	767	885	811	640	506	467	355	257
Future - Alternative 1	181	218	350	571	764	882	808	638	504	467	354	257
Difference	0	0	-1	-3	-3	-3	-3	-2	-2	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Future - Alternative 1	205	285	507	822	1,009	1,058	950	746	543	551	458	319
Difference	2	3	2	0	-2	0	-1	-1	1	1	0	-1
Percent Difference	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	154	177	288	602	890	1,035	904	639	536	533	415	285
Future - Alternative 1	151	174	278	594	887	1,032	902	637	535	532	413	284
Difference	-3	-3	-10	-8	-4	-2	-2	-2	-1	-1	-1	-1
Percent Difference	-2%	-2%	-4%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	158	169	276	398	650	887	815	629	522	492	321	226
Future - Alternative 1	159	170	277	397	647	885	813	627	520	490	320	225
Difference	0	1	1	-1	-3	-2	-2	-2	-2	-2	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	169	206	304	453	620	767	724	597	504	425	286	210
Future - Alternative 1	168	206	303	450	617	764	721	596	504	424	286	210
Difference	0	0	-1	-2	-3	-3	-3	-2	-1	0	0	0
Percent Difference	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	203	190	237	399	497	565	563	496	384	272	225	207
Future - Alternative 1	203	189	237	394	489	556	554	489	374	269	226	211
Difference	-1	0	0	-6	-8	-9	-9	-7	-9	-3	1	4
Percent Difference	0%	0%	0%	-1%	-2%	-2%	-2%	-1%	-2%	-1%	0%	2%

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	315	489	775	1,067	1,067	1,067	1,021	828	699	642	503	311
20%	247	327	590	954	1,067	1,067	959	755	649	601	410	291
30%	211	266	394	761	1,067	1,067	945	701	621	551	383	268
40%	165	235	339	664	984	1,067	921	680	601	539	371	243
50%	145	178	282	538	818	1,067	897	643	567	505	355	237
60%	128	94	223	455	664	944	869	621	492	462	333	225
70%	114	55	183	369	597	745	733	586	381	341	315	210
80%	90	55	116	243	482	636	621	505	332	279	229	196
90%	55	55	59	155	322	485	503	404	248	235	165	156
Long Term												
Full Simulation Period	181	218	351	573	767	885	811	640	506	467	355	257
Water Year Types												
Wet	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Above Normal	154	177	288	602	890	1,035	904	639	536	533	415	285
Below Normal	158	169	276	398	650	887	815	629	522	492	321	226
Dry	169	206	304	453	620	767	724	597	504	425	286	210
Critical	203	190	237	399	497	565	563	496	384	272	225	207

Future - Alternative 1

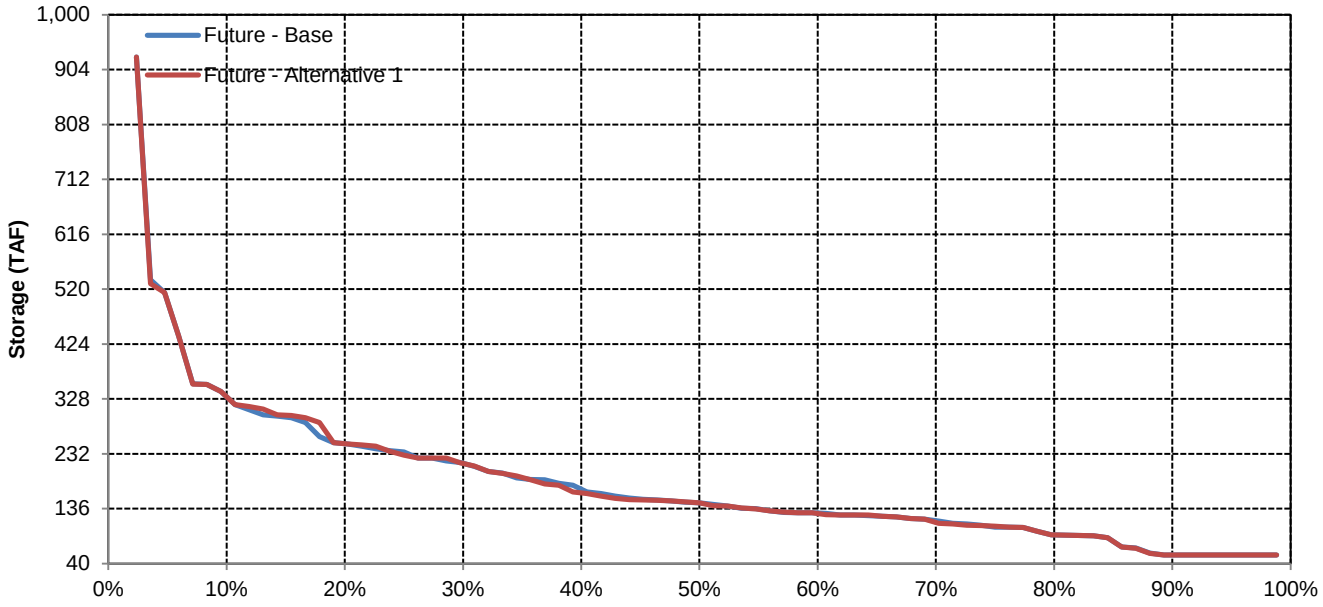
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	317	485	780	1,067	1,067	1,067	1,019	829	698	638	505	316
20%	248	340	588	972	1,067	1,067	957	755	642	602	411	291
30%	211	265	402	744	1,067	1,067	945	700	621	552	383	269
40%	161	236	334	641	985	1,067	915	679	598	539	371	243
50%	144	178	284	528	810	1,067	897	643	566	505	354	237
60%	126	79	212	413	664	945	867	621	486	462	335	225
70%	110	55	173	360	586	743	732	586	381	342	315	210
80%	90	55	117	240	470	626	612	490	311	278	224	196
90%	55	55	59	154	316	468	487	396	248	230	167	153
Long Term												
Full Simulation Period	181	218	350	571	764	882	808	638	504	467	354	257
Water Year Types												
Wet	205	285	507	822	1,009	1,058	950	746	543	551	458	319
Above Normal	151	174	278	594	887	1,032	902	637	535	532	413	284
Below Normal	159	170	277	397	647	885	813	627	520	490	320	225
Dry	168	206	303	450	617	764	721	596	504	424	286	210
Critical	203	189	237	394	489	556	554	489	374	269	226	211

Future - Alternative 1 Minus Future - Base

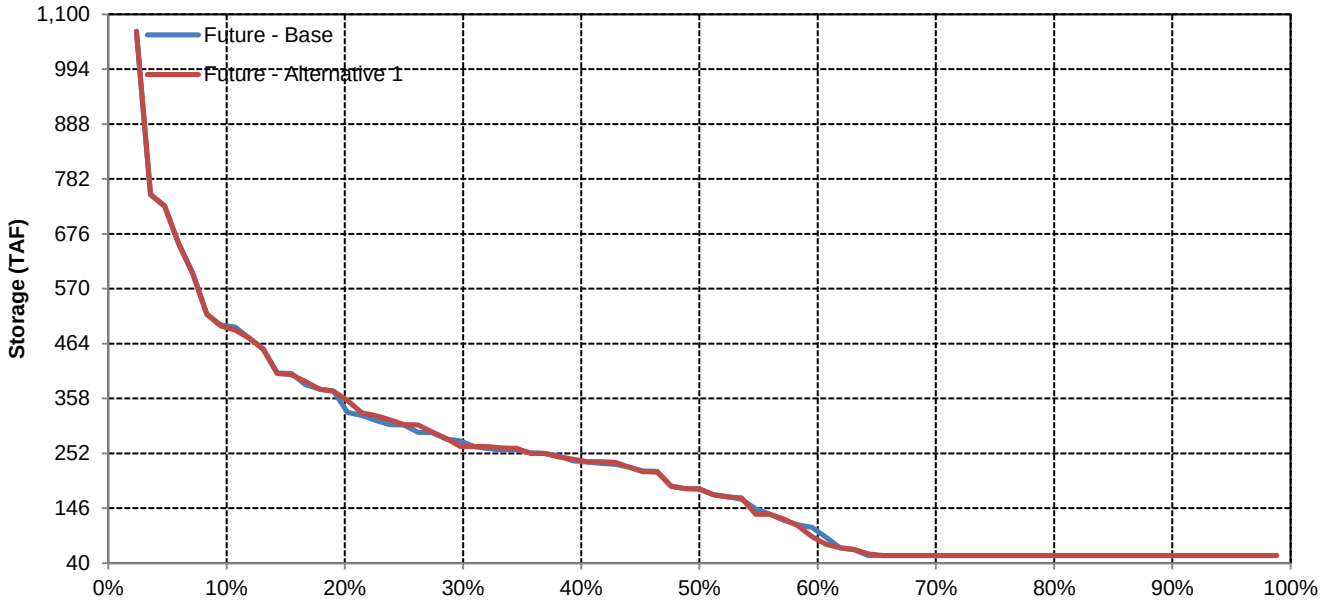
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2	-4	5	0	0	0	-2	0	0	-4	3	5
20%	1	12	-3	18	0	0	-2	0	-6	0	1	0
30%	0	-1	8	-18	0	0	0	-1	0	1	0	0
40%	-3	1	-5	-23	1	0	-6	-1	-4	0	0	0
50%	-1	0	1	-10	-8	0	0	0	-1	0	-1	-1
60%	-2	-14	-11	-42	0	1	-2	0	-6	0	2	0
70%	-4	0	-10	-9	-12	-2	-2	0	0	1	0	0
80%	0	0	1	-2	-12	-10	-10	-16	-21	-1	-5	0
90%	0	0	0	0	-6	-17	-16	-9	0	-5	2	-3
Long Term												
Full Simulation Period	0	0	-1	-3	-3	-3	-3	-2	-2	-1	0	0
Water Year Types												
Wet	2	3	2	0	-2	0	-1	-1	1	1	0	-1
Above Normal	-3	-3	-10	-8	-4	-2	-2	-2	-1	-1	-1	-1
Below Normal	0	1	1	-1	-3	-2	-2	-2	-2	-2	-1	-1
Dry	0	0	-1	-2	-3	-3	-3	-2	-1	0	0	0
Critical	-1	0	0	-6	-8	-9	-9	-7	-9	-3	1	4

SWP San Luis Reservoir

October

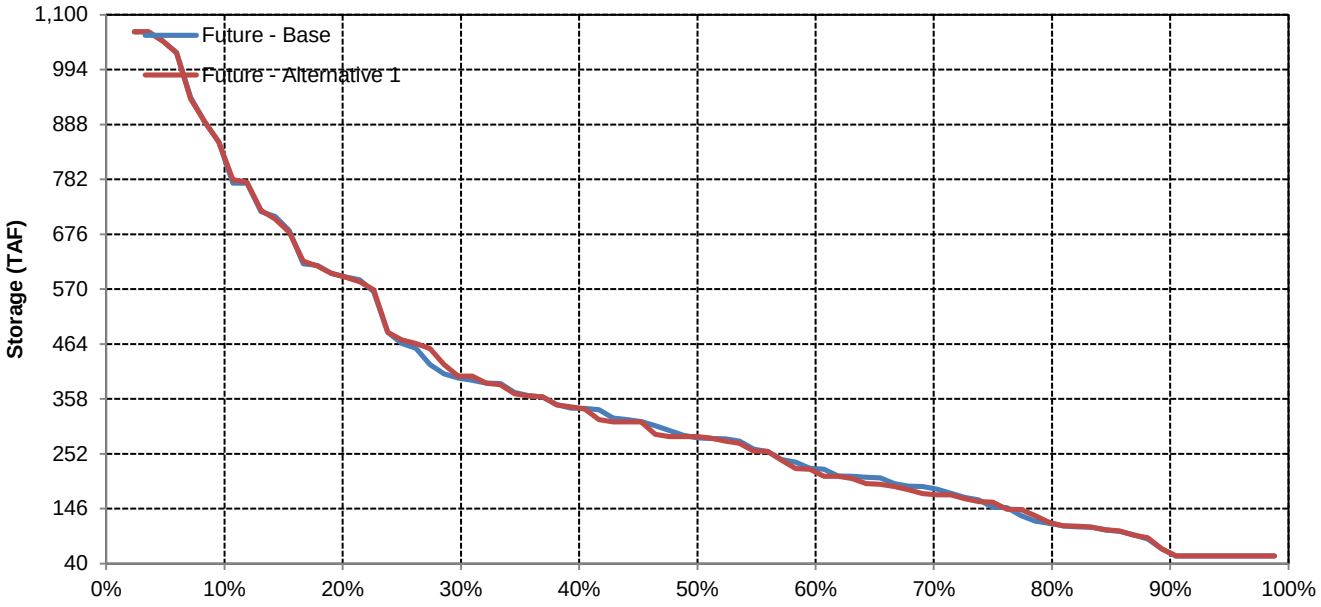


November

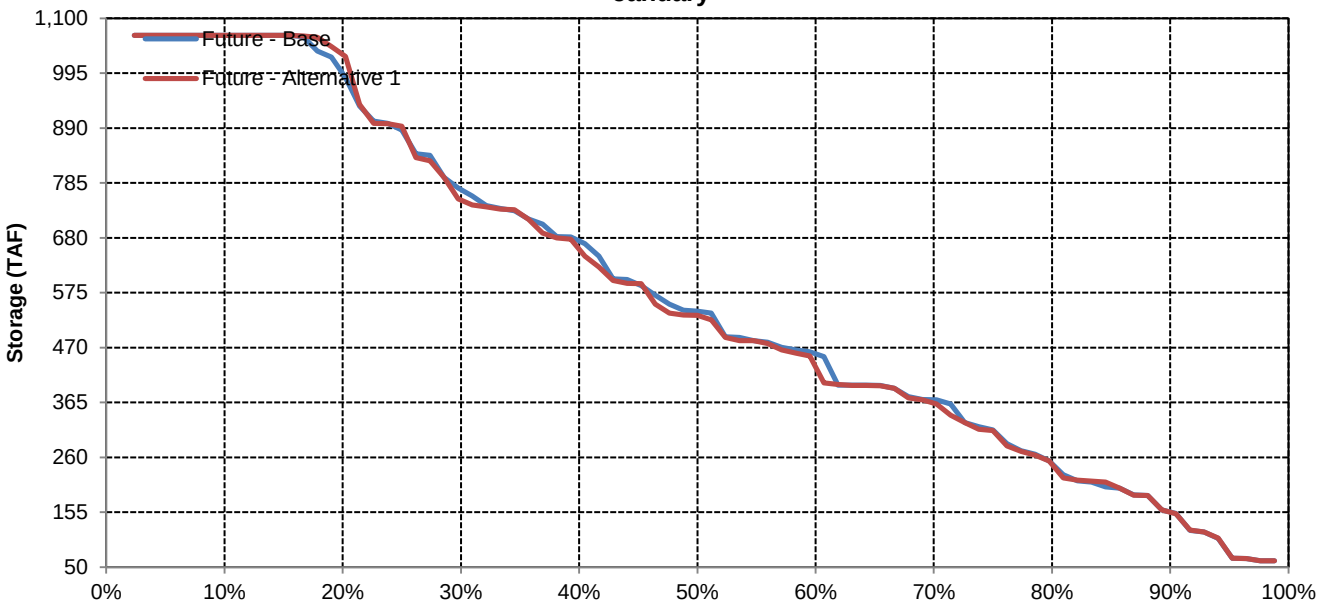


SWP San Luis Reservoir

December

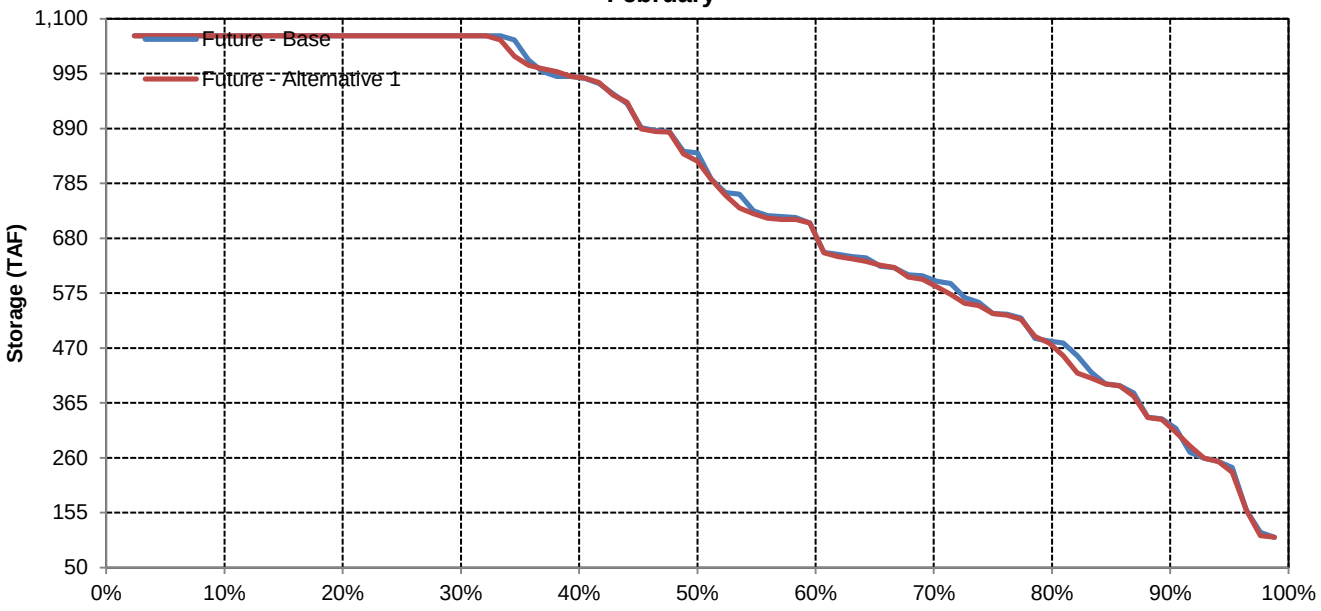


January

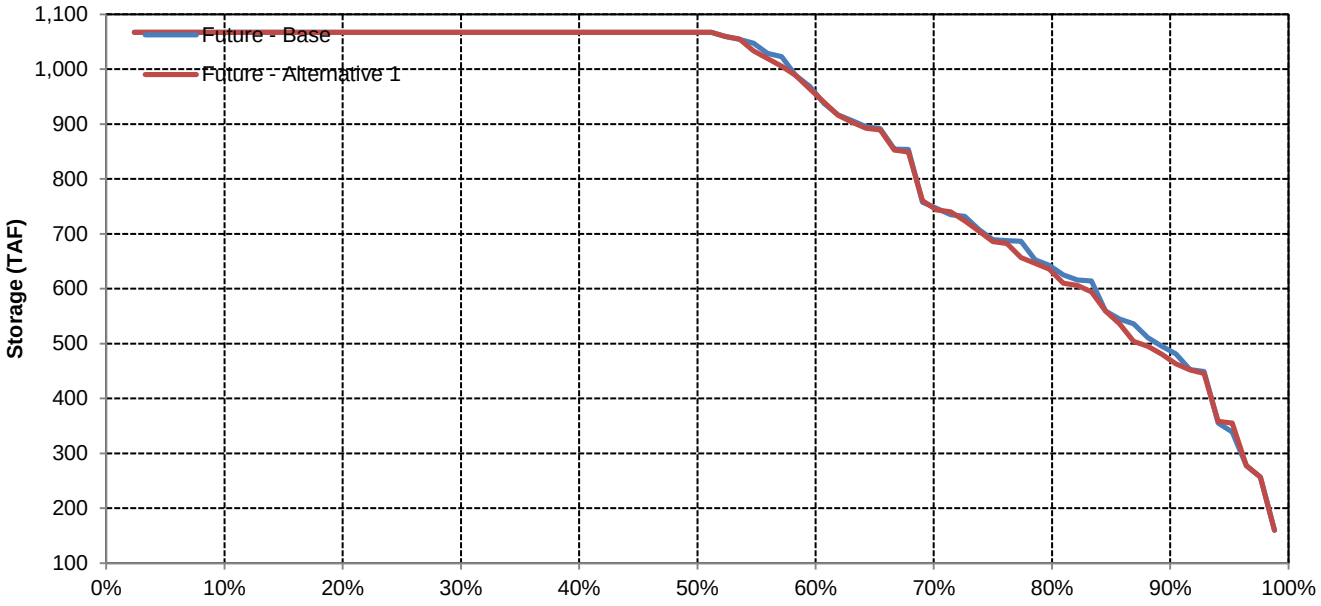


SWP San Luis Reservoir

February

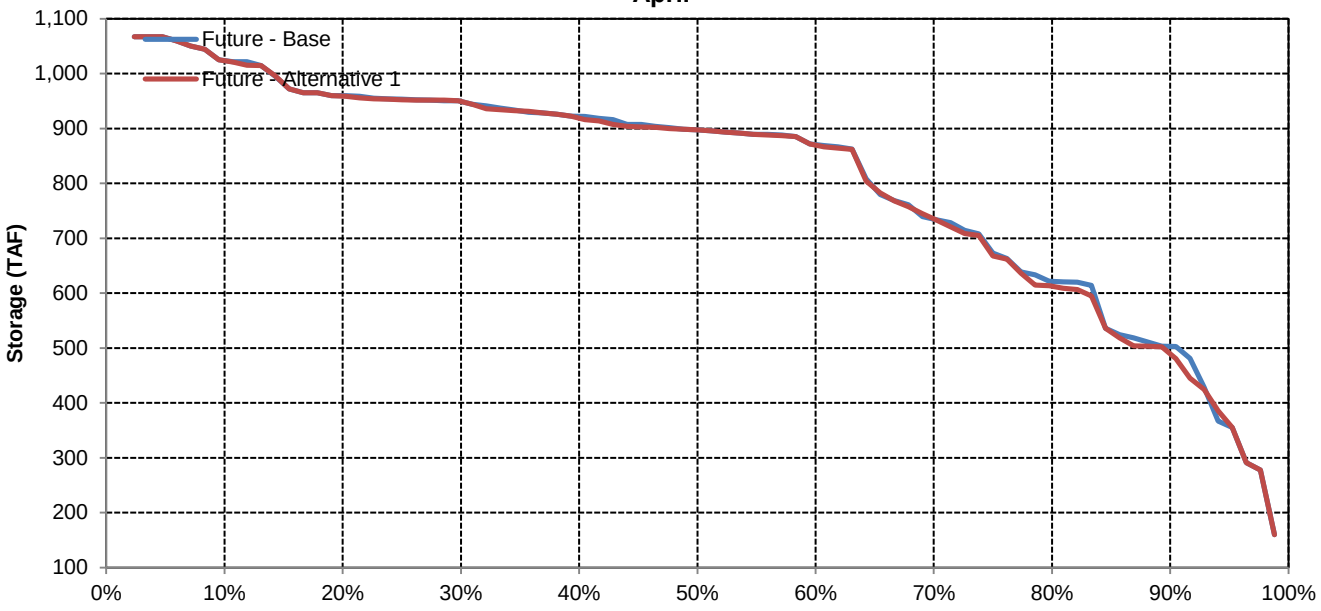


March

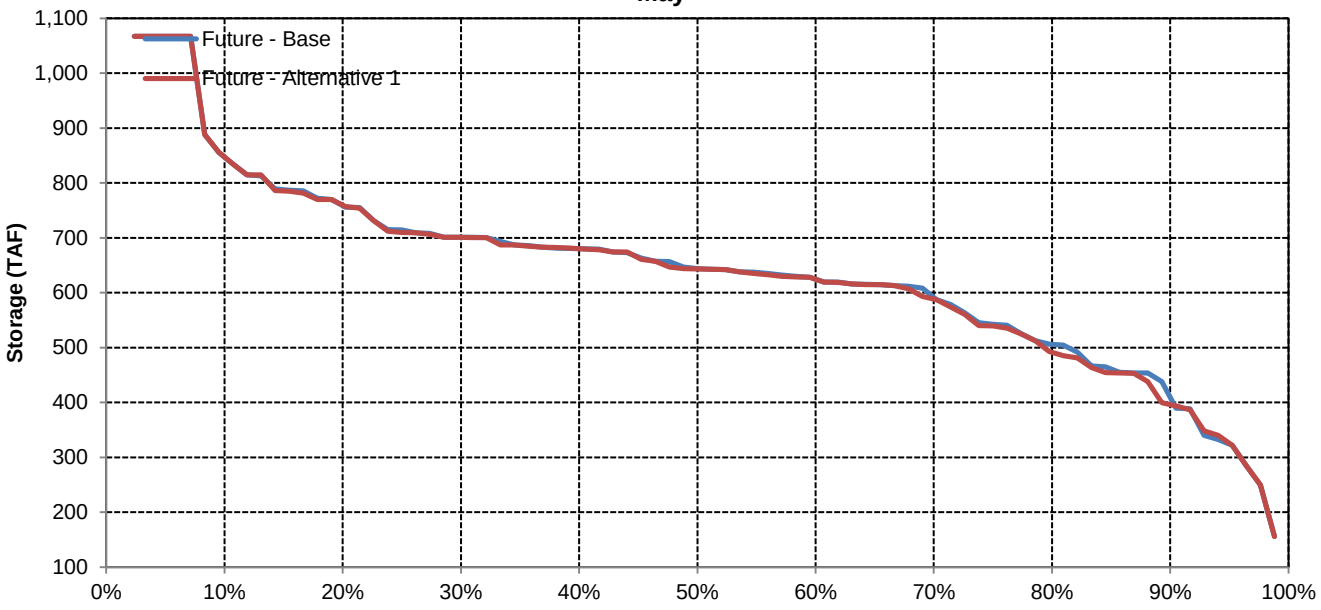


SWP San Luis Reservoir

April

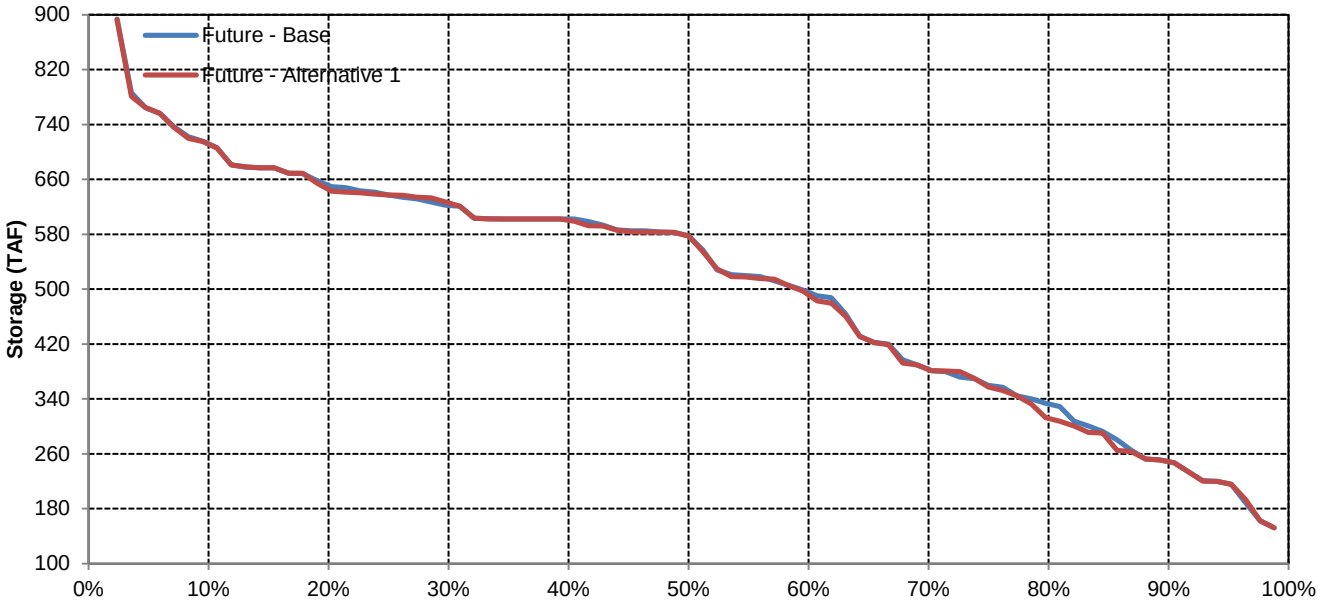


May

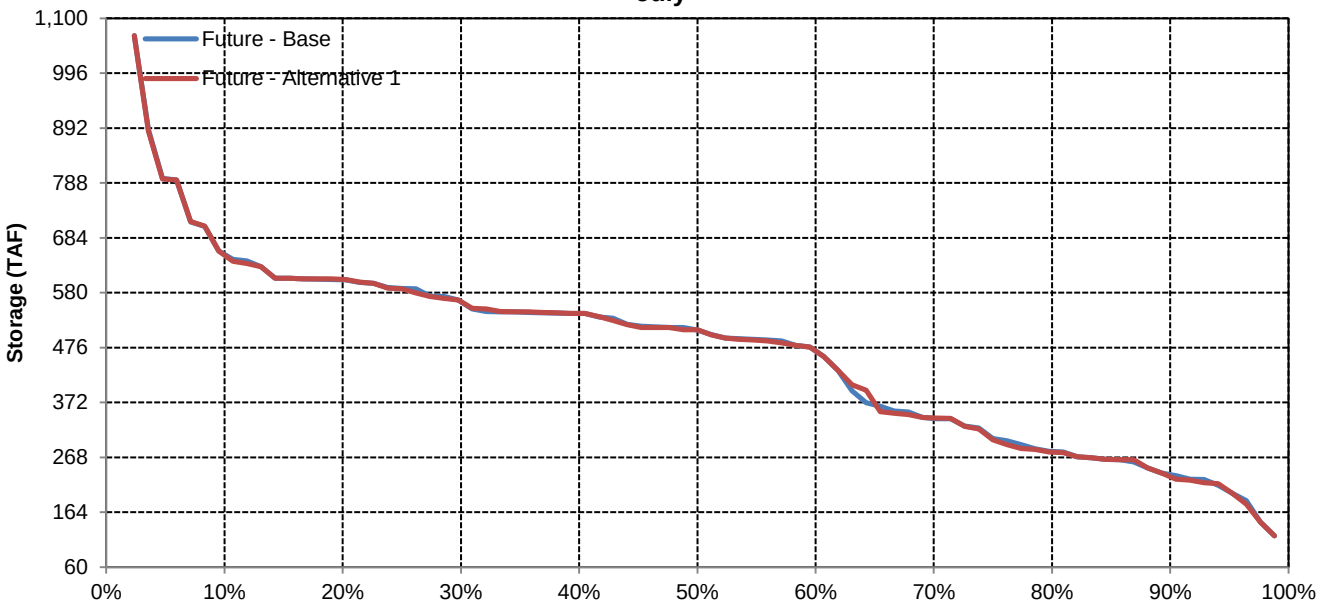


SWP San Luis Reservoir

June

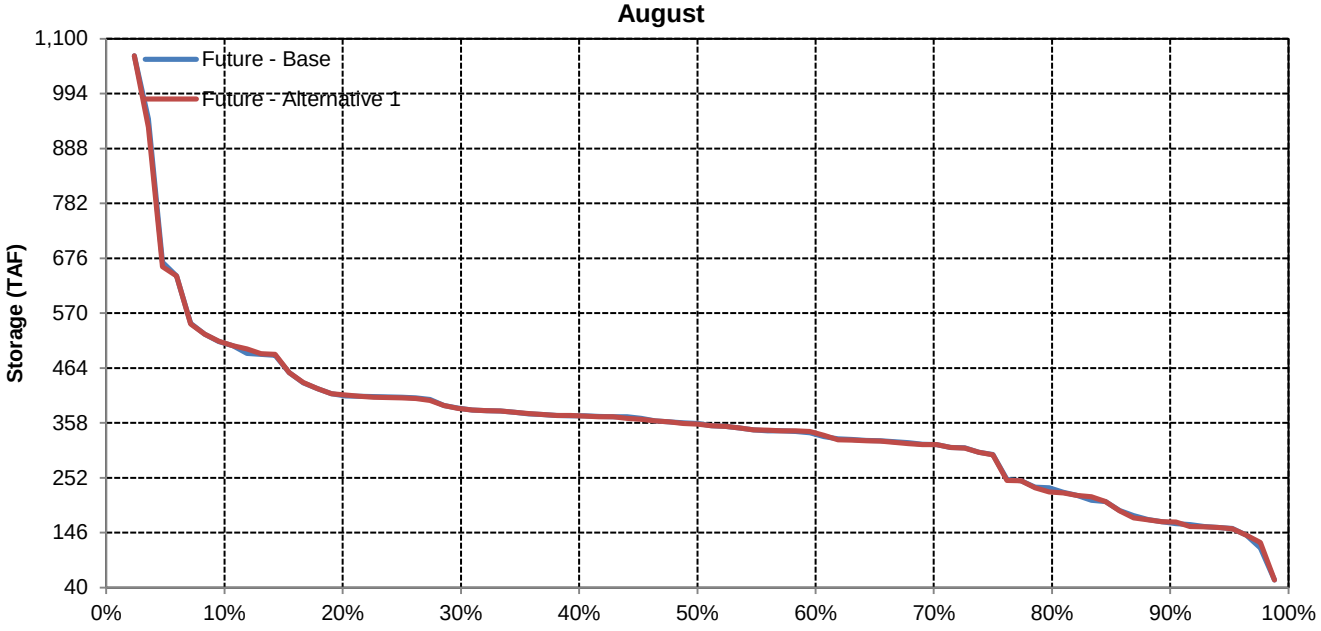


July

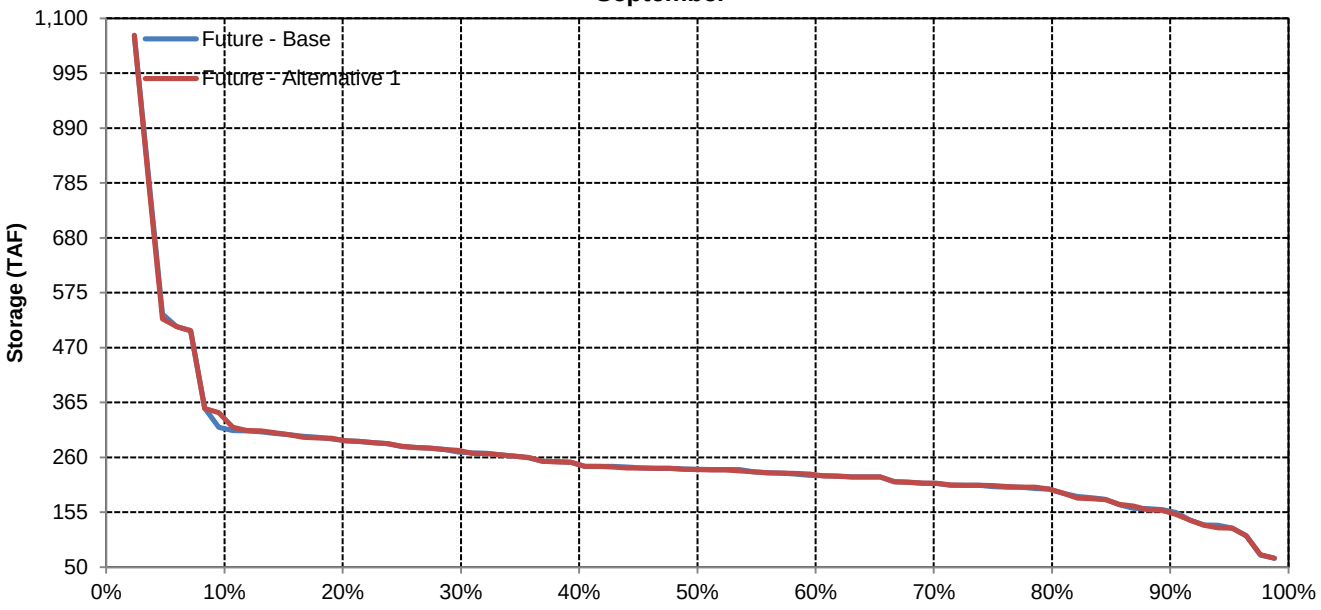


SWP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of Delta Outflow Under Future - Base and Future - Alternative 1

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294	17,604
Future - Alternative 1	8,444	10,100	24,898	54,941	70,070	52,511	29,068	14,174	8,600	7,152	4,279	10,293	17,612
Difference	36	0	10	45	21	11	7	-5	-5	-5	5	0	7
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635	32,826
Future - Alternative 1	9,556	15,089	53,715	115,999	131,965	101,994	53,311	21,072	11,286	9,708	4,000	21,635	32,836
Difference	15	1	69	16	61	-7	30	-3	1	0	0	0	11
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224	19,718
Future - Alternative 1	9,170	8,854	16,253	59,644	102,582	57,254	27,006	15,829	8,579	8,900	4,000	13,224	19,734
Difference	134	0	-40	-41	178	43	2	0	-1	1	0	0	16
Percent Difference	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000	10,623
Future - Alternative 1	8,507	9,076	13,803	28,457	31,522	29,264	21,994	12,951	7,619	6,651	4,140	3,000	10,628
Difference	47	6	-1	43	-15	18	0	-21	13	-4	1	0	5
Percent Difference	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000	8,395
Future - Alternative 1	7,610	7,888	10,145	15,935	29,460	24,346	15,132	9,857	7,158	5,000	4,786	3,000	8,399
Difference	0	-3	10	34	9	24	-7	-3	0	0	2	0	4
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092	5,600
Future - Alternative 1	6,693	5,227	6,992	12,040	15,602	13,078	9,319	6,228	6,268	4,142	4,447	3,091	5,600
Difference	39	0	-62	209	-154	-6	-11	0	-49	-28	32	-1	-1
Percent Difference	1%	0%	-1%	2%	-1%	0%	0%	0%	-1%	-1%	1%	0%	0%

Delta Outflow

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,938	15,863	79,058	151,208	180,010	107,880	70,644	27,159	11,545	10,516	4,885	21,875
20%	10,625	14,764	33,428	92,252	125,923	89,027	38,581	18,353	10,462	9,612	4,709	21,563
30%	10,313	11,693	17,489	56,706	77,981	62,254	28,814	14,204	8,749	9,048	4,349	20,938
40%	7,625	11,004	14,366	33,893	58,622	40,886	20,594	12,808	8,409	8,000	4,217	13,062
50%	7,160	8,104	11,802	26,142	43,165	27,471	17,579	11,253	7,899	6,666	4,000	3,000
60%	6,994	4,500	8,257	19,228	24,986	20,728	15,558	10,174	7,418	6,500	4,000	3,000
70%	6,613	4,500	5,323	14,908	20,687	17,661	13,640	9,584	7,100	5,000	4,000	3,000
80%	6,259	4,500	4,500	13,125	16,723	14,481	11,153	8,460	7,100	5,000	4,000	3,000
90%	5,678	3,500	4,500	8,401	12,239	11,400	10,016	7,100	6,799	4,065	4,000	3,000
Long Term												
Full Simulation Period	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294
Water Year Types												
Wet	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635
Above Normal	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224
Below Normal	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000
Dry	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000
Critical	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092

Future - Alternative 1

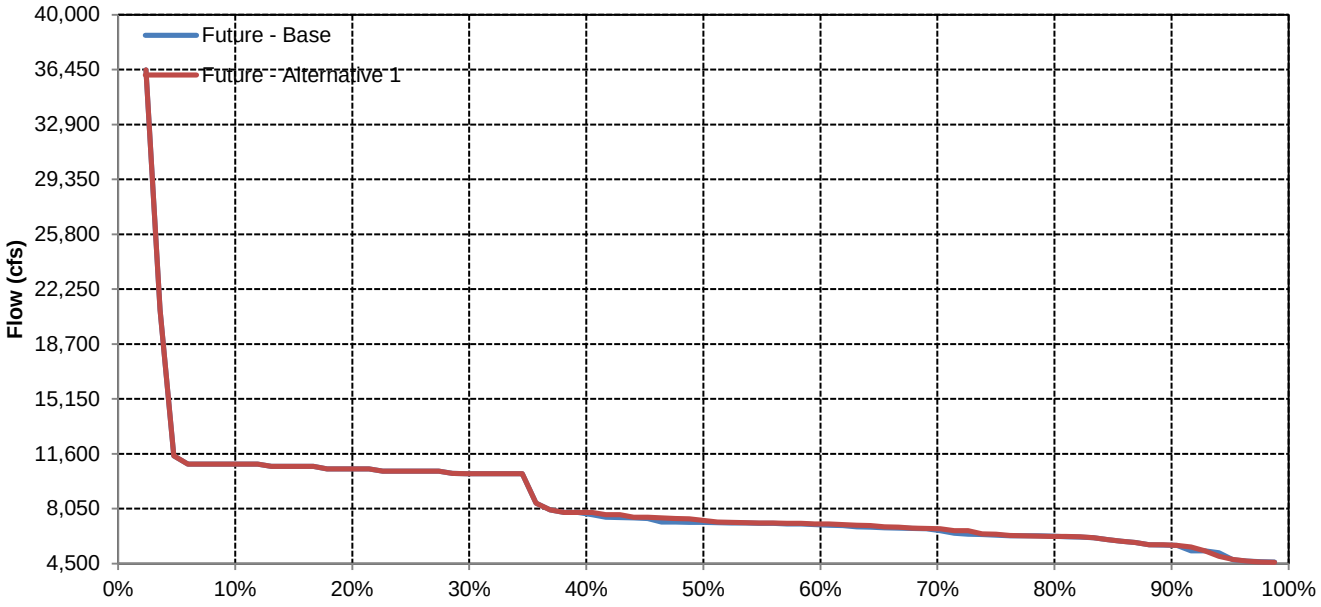
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,938	15,805	79,087	151,209	179,971	108,171	70,643	27,173	11,545	10,516	4,907	21,875
20%	10,625	14,764	33,591	91,746	126,757	88,804	38,582	18,353	10,470	9,613	4,709	21,563
30%	10,313	11,693	17,495	57,148	77,981	62,844	28,814	14,204	8,749	9,047	4,357	20,938
40%	7,773	11,004	14,388	33,911	58,623	40,826	20,594	12,808	8,408	8,000	4,215	13,062
50%	7,235	8,104	11,812	26,159	43,223	27,471	17,697	11,253	7,963	6,664	4,007	3,000
60%	7,056	4,500	7,916	19,271	25,090	20,735	15,558	10,169	7,277	6,500	4,000	3,000
70%	6,738	4,500	5,739	14,953	20,716	17,661	13,640	9,571	7,100	5,000	4,000	3,000
80%	6,259	4,500	4,500	13,125	16,774	14,504	11,115	8,469	7,100	5,000	4,000	3,000
90%	5,690	3,500	4,500	8,403	12,280	11,400	10,026	7,100	6,799	4,065	4,000	3,000
Long Term												
Full Simulation Period	8,444	10,100	24,898	54,941	70,070	52,511	29,068	14,174	8,600	7,152	4,279	10,293
Water Year Types												
Wet	9,556	15,089	53,715	115,999	131,965	101,994	53,311	21,072	11,286	9,708	4,000	21,635
Above Normal	9,170	8,854	16,253	59,644	102,582	57,254	27,006	15,829	8,579	8,900	4,000	13,224
Below Normal	8,507	9,076	13,803	28,457	31,522	29,264	21,994	12,951	7,619	6,651	4,140	3,000
Dry	7,610	7,888	10,145	15,935	29,460	24,346	15,132	9,857	7,158	5,000	4,786	3,000
Critical	6,693	5,227	6,992	12,040	15,602	13,078	9,319	6,228	6,268	4,142	4,447	3,091

Future - Alternative 1 Minus Future - Base

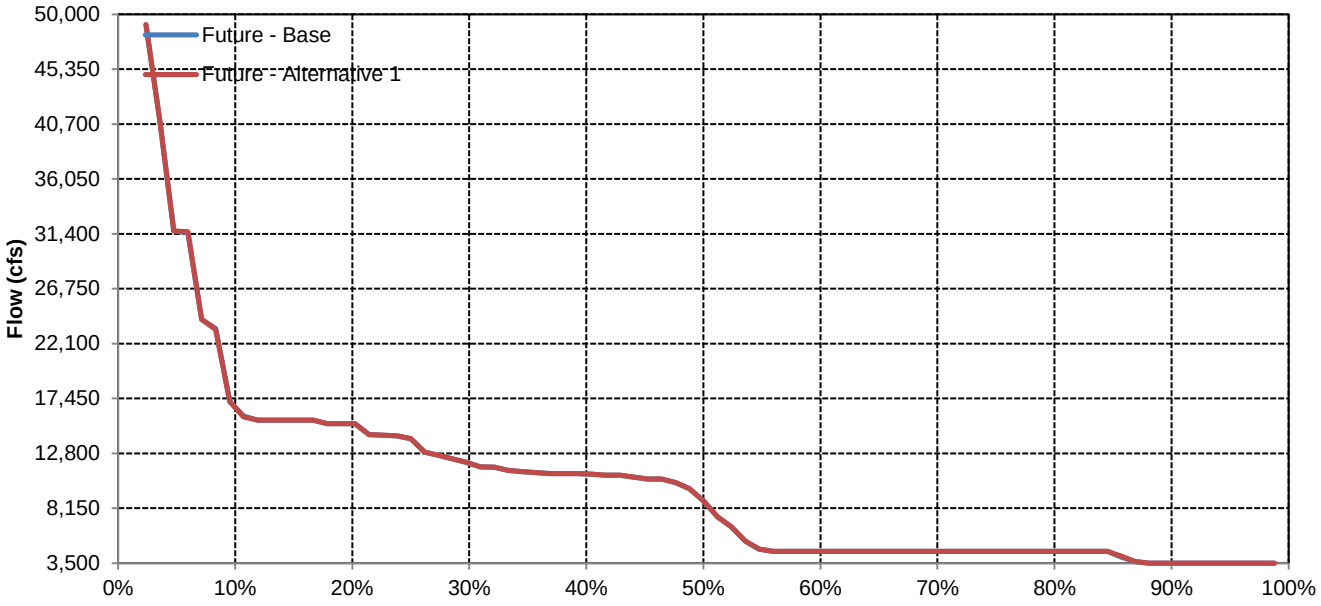
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	-58	30	2	-40	291	0	14	0	0	22	0
20%	0	0	163	-507	834	-223	0	0	8	0	0	0
30%	0	0	7	442	0	590	0	0	0	0	8	0
40%	148	0	23	18	0	-60	1	0	0	0	-2	0
50%	75	1	10	18	58	0	118	0	64	-3	7	0
60%	61	0	-340	43	104	7	0	-5	-141	0	0	0
70%	125	0	416	45	29	0	0	-13	0	0	0	0
80%	0	0	0	0	51	23	-39	9	0	0	0	0
90%	12	0	0	2	41	0	10	0	0	0	0	0
Long Term												
Full Simulation Period	36	0	10	45	21	11	7	-5	-5	-5	5	0
Water Year Types												
Wet	15	1	69	16	61	-7	30	-3	1	0	0	0
Above Normal	134	0	-40	-41	178	43	2	0	-1	1	0	0
Below Normal	47	6	-1	43	-15	18	0	-21	13	-4	1	0
Dry	0	-3	10	34	9	24	-7	-3	0	0	2	0
Critical	39	0	-62	209	-154	-6	-11	0	-49	-28	32	-1

Delta Outflow

October

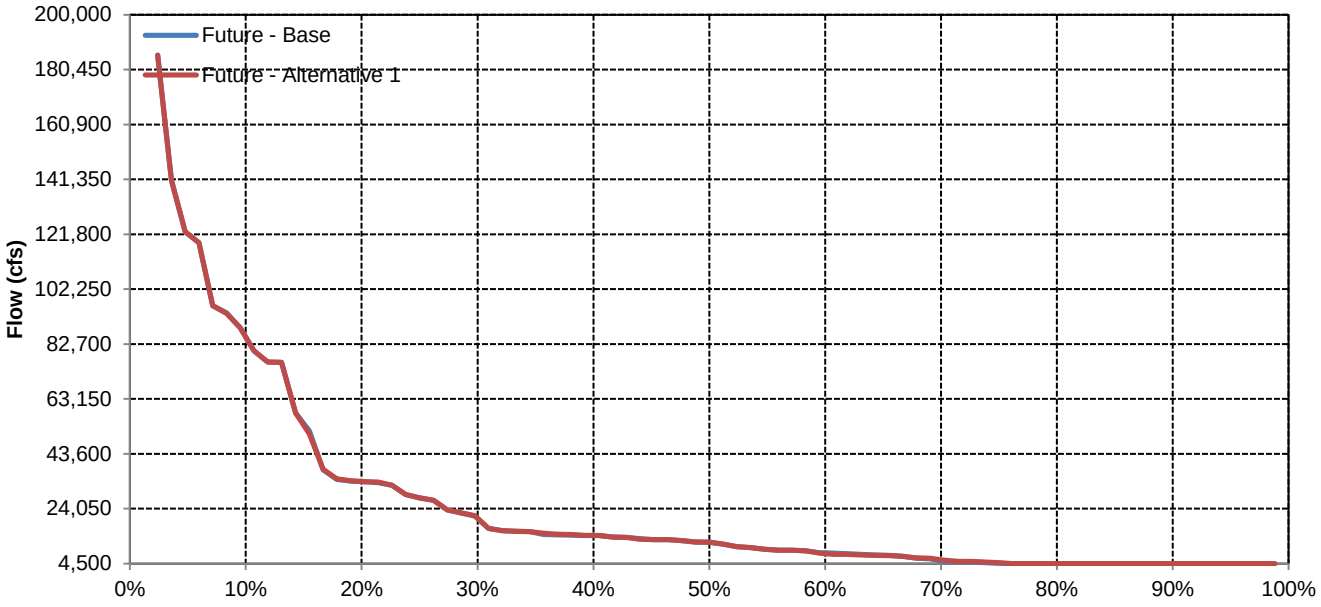


November



Delta Outflow

December



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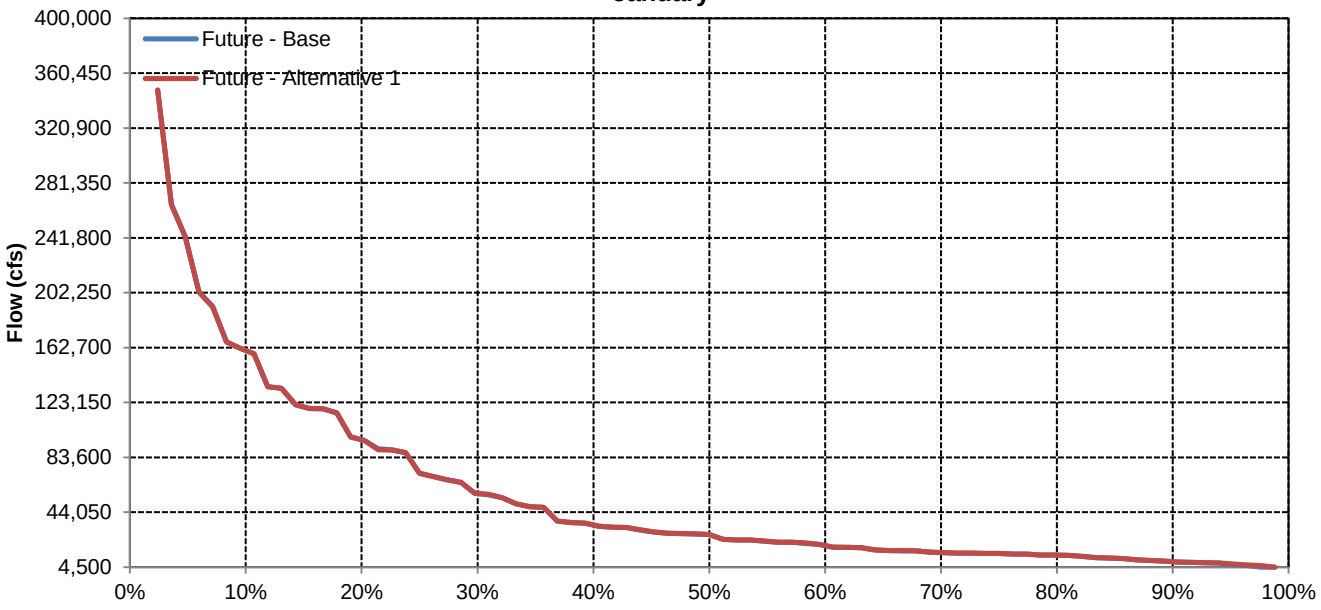
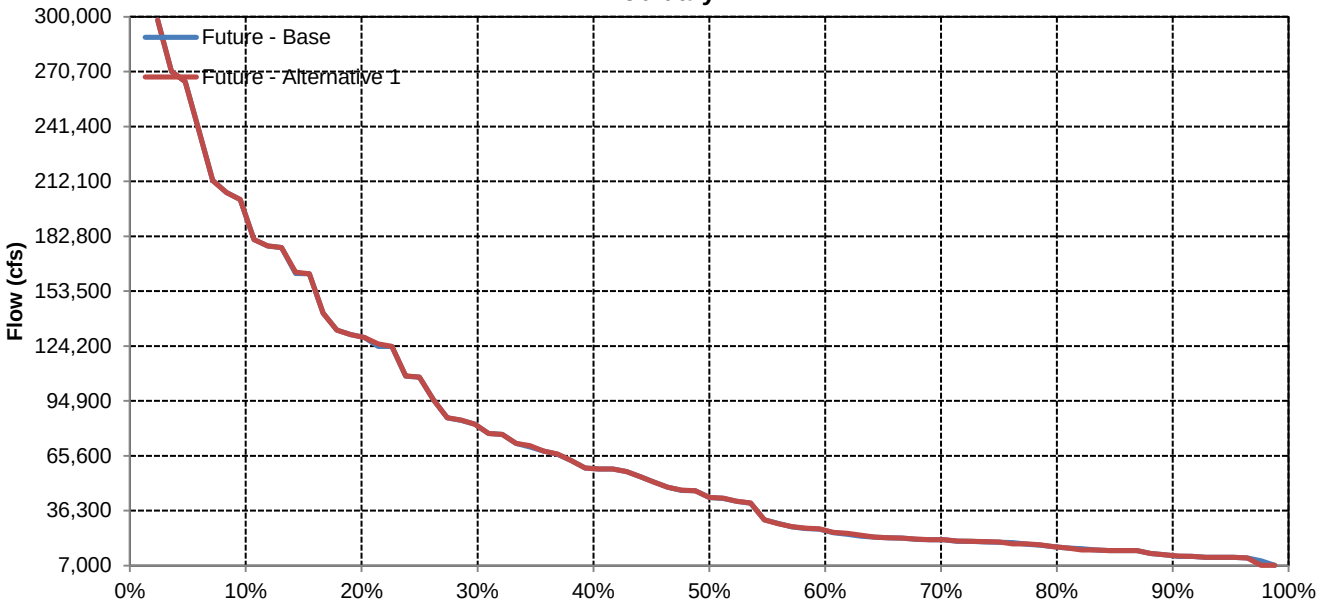
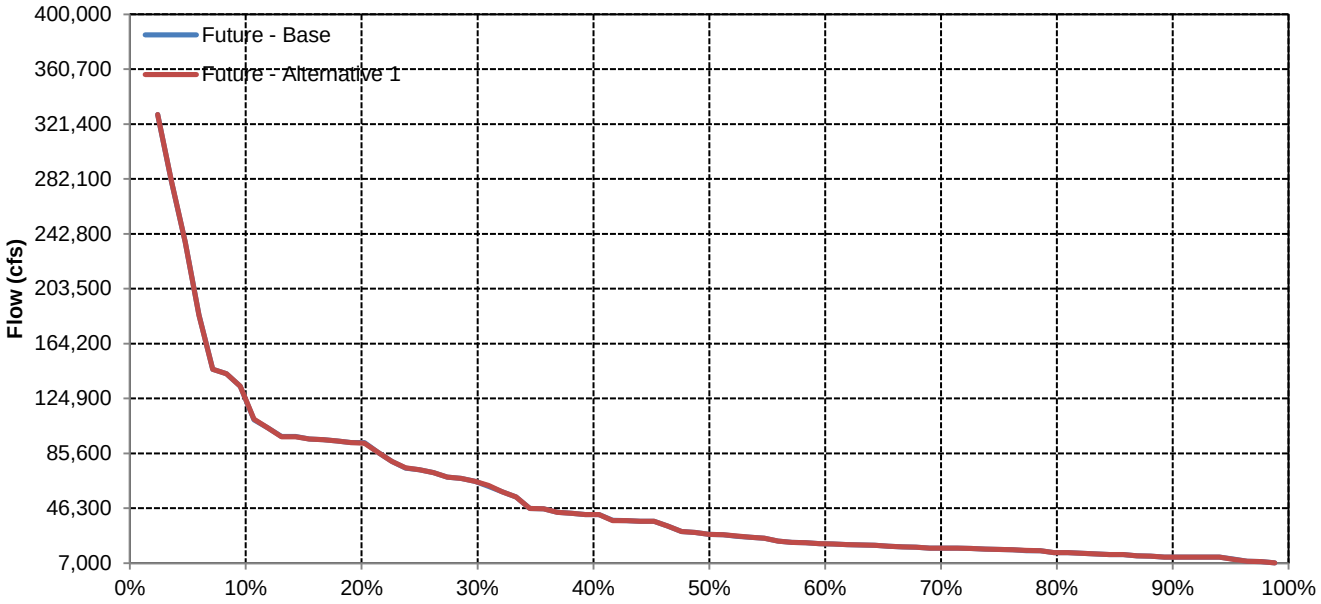


Delta Outflow

February

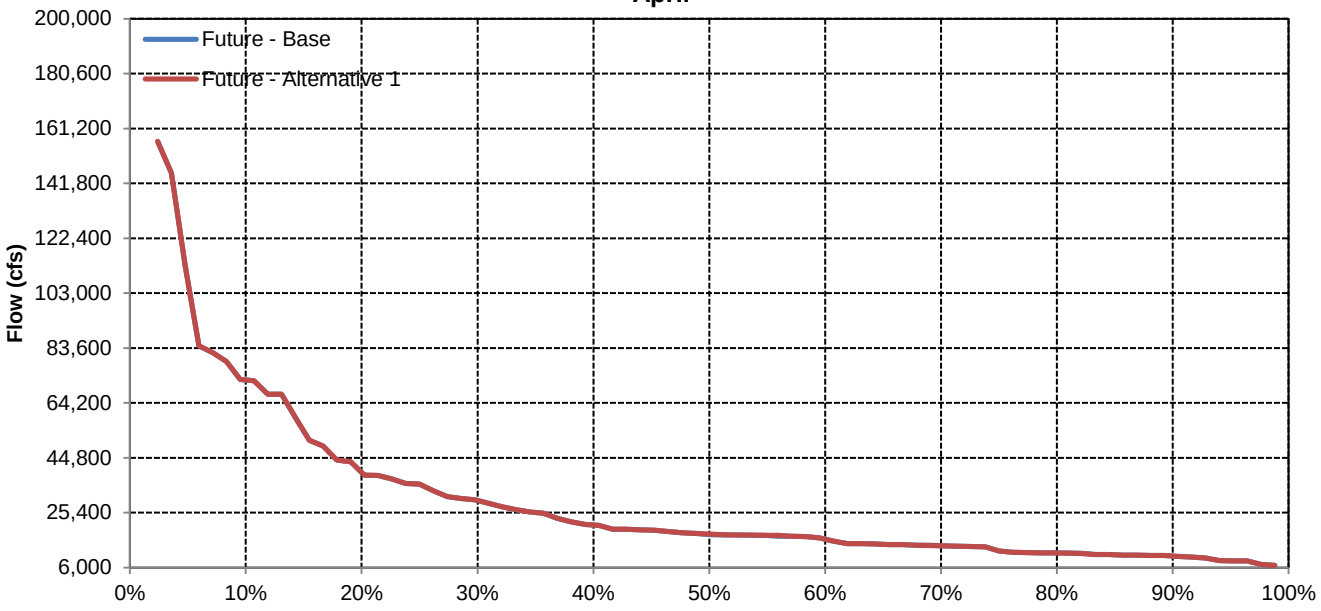


March

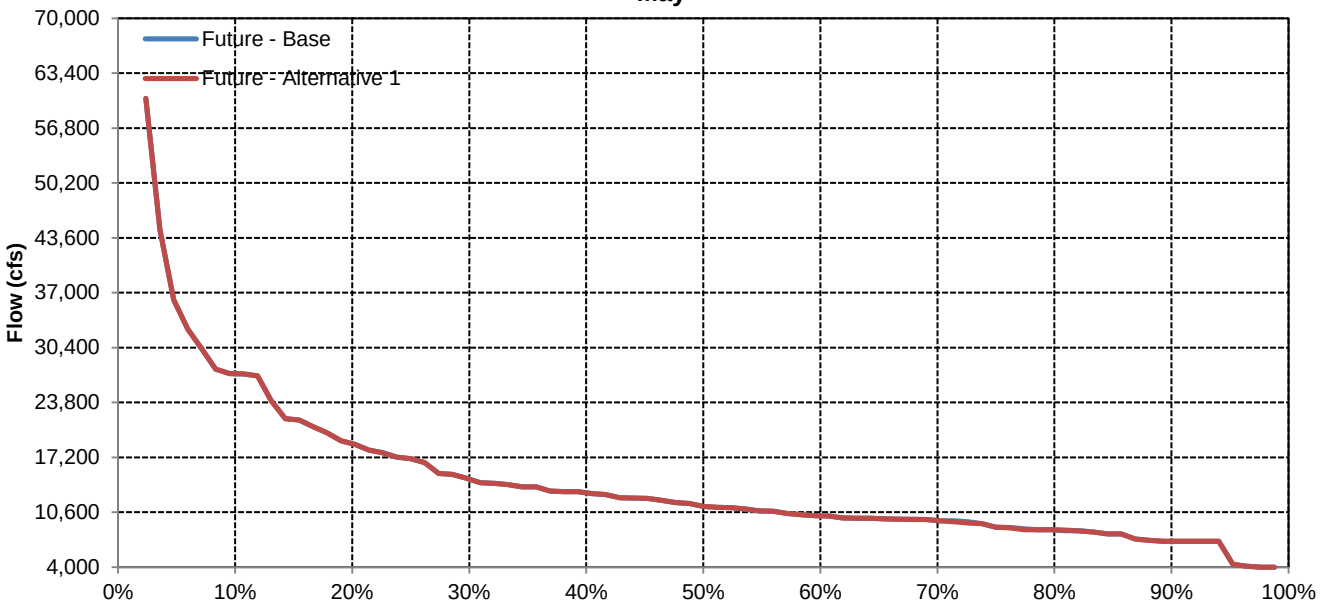


Delta Outflow

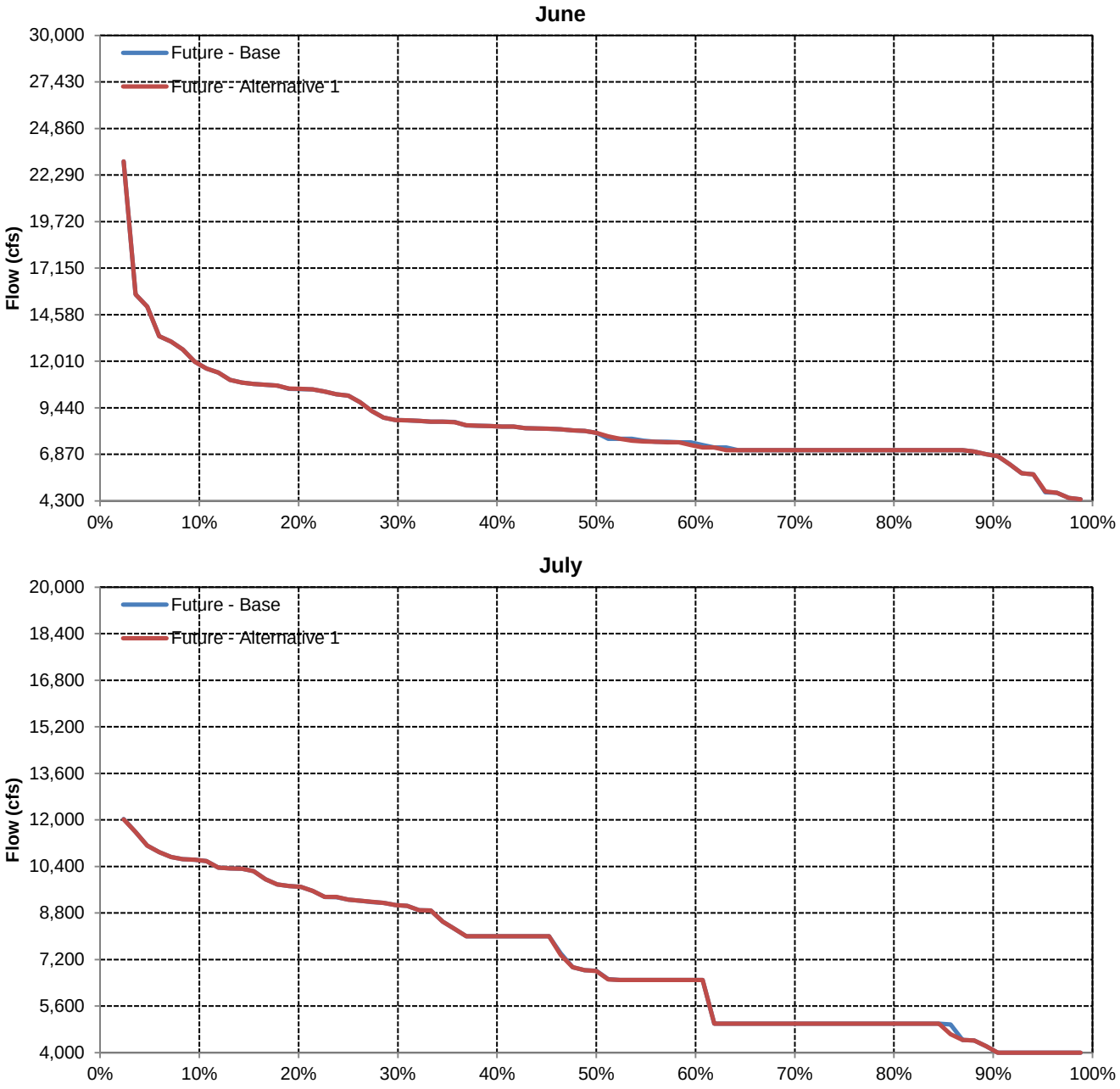
April



May

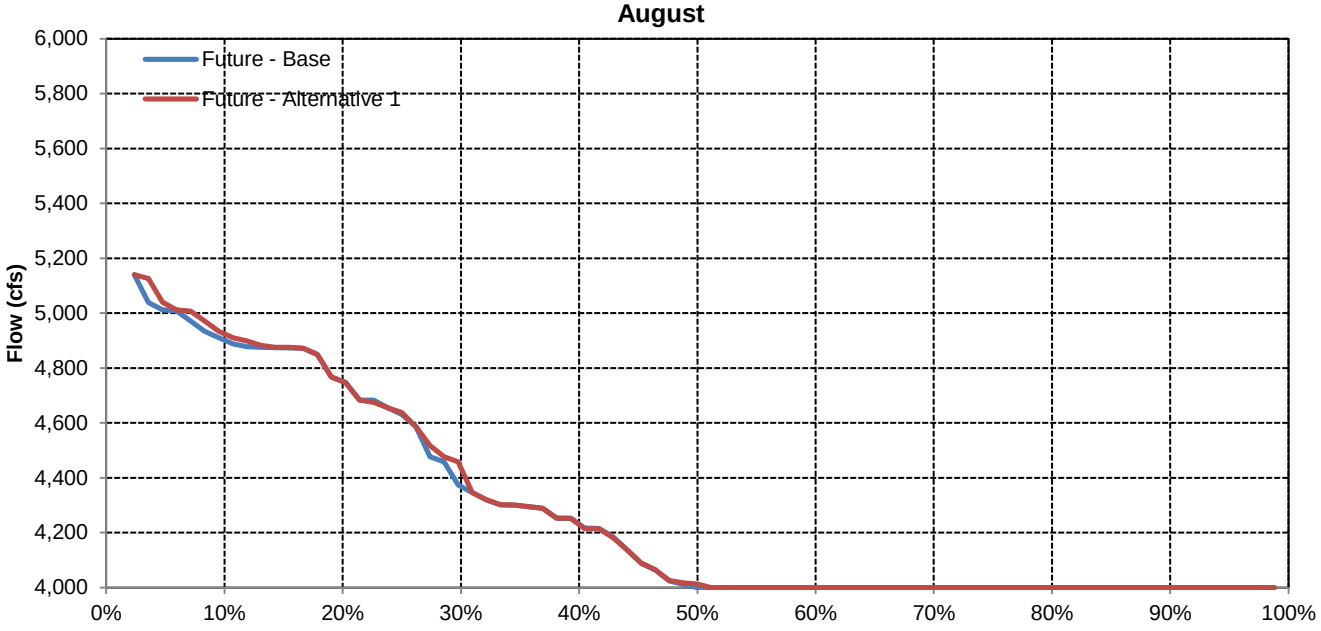


Delta Outflow



Delta Outflow

August



September

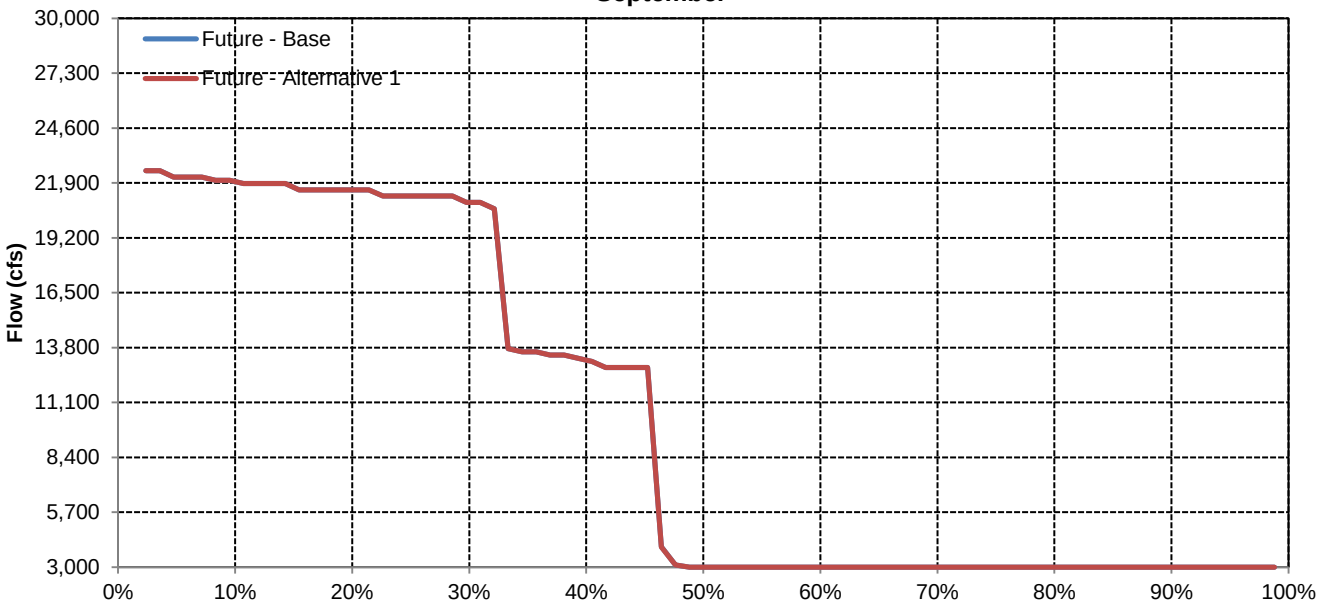


Table 185 No Action Alternative-Alternative 1 (Future)

Winter-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	November through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%		0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0		
			Freeport		10	Lower 40%		0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Juvenile Rearing and Downstream Movement*	July through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0				3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0				0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
			Freeport	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0

Table 186 No Action Alternative-Alternative 1 (Future)

Spring-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	March through September	Mean Monthly Flow (cfs)	Verona		10	Lower 40%						0.0	0.0	0.0	0.0	3.0	0.0	0.0
			Freeport		10	Lower 40%						0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juvenile Rearing (and Downstream Movement)	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	October through May	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0				
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
			Freeport	63		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Table 187 No Action Alternative-Alternative 1 (Future)

Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	July through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0							3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0							0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	December through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%			0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0		
			Freeport		10	Lower 40%			0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				65		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Table 188 No Action Alternative-Alternative 1 (Future)

Late Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	October through April	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0					
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0					
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Juvenile Rearing and Downstream Movement	April through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0

Table 189 No Action Alternative-Alternative 1 (Future)

Steelhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	August through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0					0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0					0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	January through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%				0.0	-3.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%				0.0	-3.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
			Freeport	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	0.0	0.0	0.0	0.0			

Green Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	February through July	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%					-3.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years					0.0	0.0	0.0	0.0	0.0	0.0		
Adult Post-Spawning Holding and Emigration	July through November	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0								0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0								0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 191 No Action Alternative-Alternative 1 (Future)

White Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	November through May	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%		0.0	0.0	0.0	-3.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Freeport	77		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Spawning and Egg Incubation	February through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%					-3.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%					-3.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years					0.0	0.0	0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	66		All Years	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 192 No Action Alternative-Alternative 1 (Future)

River Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	September through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0			0.0
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Pacific Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	January through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%				0.0	-3.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 194 No Action Alternative-Alternative 1 (Future)

Hardhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adults and Other Lifestages	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
			Freeport	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0
Adult Spawning	April through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	59-64		All Years							0.0	0.0	0.0			

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 195 No Action Alternative-Alternative 1 (Future)

American Shad in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
			Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	60-70		All Years							0.0	0.0	0.0			
			Freeport	60-70		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
			Freeport	63-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 196 No Action Alternative-Alternative 1 (Future)

Striped Bass in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	59-68		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-71		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 201 No Action Alternative-Alternative 1 (Future)

Alternative 1 (Future) vs No Action Alternative
Sacramento River at Verona, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	81.7	86.6	40.2	45.1	28.0	53.7	97.6	98.8	91.5	95.1	95.1	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
X>1.0 (Total %)	18.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	4.9	4.9	2.4	0.0
X<=-10.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	12.2	57.3	54.9	68.3	43.9	1.2	1.2	3.7	0.0	2.4	0.0
Net Change in % Exceedance:	18.3	-12.2	-56.1	-54.9	-68.3	-43.9	0.0	-1.2	1.2	4.9	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	90.9	97.0	69.7	84.8	30.3	75.8	97.0	100.0	87.9	90.9	97.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
X>1.0 (Total %)	9.1	0.0	3.0	0.0	0.0	0.0	3.0	0.0	9.1	9.1	3.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	3.0	27.3	15.2	66.7	21.2	0.0	0.0	3.0	0.0	0.0	0.0
Net Change in % Exceedance:	9.1	-3.0	-24.2	-15.2	-66.7	-21.2	3.0	0.0	6.1	9.1	3.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0

Table 202 No Action Alternative-Alternative 1 (Future)

Alternative 1 (Future) vs No Action Alternative
Sacramento River at Freeport, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	84.1	90.2	46.3	46.3	34.1	61.0	98.8	98.8	95.1	93.9	96.3	98.8
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	15.9	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	4.9	1.2	0.0
X<=-10.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	8.5	50.0	52.4	63.4	36.6	0.0	1.2	3.7	0.0	2.4	0.0
Net Change in % Exceedance:	15.9	-8.5	-50.0	-52.4	-63.4	-36.6	1.2	-1.2	-2.4	4.9	-1.2	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	87.9	100.0	81.8	84.8	42.4	81.8	97.0	97.0	90.9	90.9	97.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	12.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.1	3.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	15.2	15.2	54.5	12.1	0.0	3.0	9.1	0.0	0.0	0.0
Net Change in % Exceedance:	12.1	0.0	-15.2	-15.2	-54.5	-12.1	3.0	-3.0	-9.1	6.1	3.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alternative 1 (Future) vs No Action Alternative

Sacramento River at Feather River, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.2	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	91.9	87.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	40.2	23.2	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	22.0	5.5	90.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	95.1	1.7	1.2	30.1	97.3	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	87.8	1.2	1.2	12.0	86.0	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	67.1	1.2	1.2	6.1	74.4	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	42.7	1.2	1.2	3.1	61.0	98.7	98.8	98.8	98.8	98.8	98.8
56	98.8	26.8	1.2	1.2	1.2	39.0	97.6	98.8	98.8	98.8	98.8	98.8
57	98.8	14.0	1.2	1.2	1.2	23.2	96.7	98.8	98.8	98.8	98.8	98.8
58	98.8	5.5	1.2	1.2	1.2	12.8	91.2	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	7.3	85.7	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	2.7	81.1	98.8	98.8	98.8	98.8	98.8
61	92.1	1.2	1.2	1.2	1.2	2.0	74.4	98.8	98.8	98.8	98.8	98.8
62	74.4	1.2	1.2	1.2	1.2	1.4	61.0	98.8	98.8	98.8	98.8	98.8
63	52.8	1.2	1.2	1.2	1.2	1.2	50.0	98.6	98.8	98.8	98.8	98.8
64	41.5	1.2	1.2	1.2	1.2	1.2	34.5	98.0	98.8	98.8	98.8	98.8
65	23.2	1.2	1.2	1.2	1.2	1.2	23.2	96.3	98.8	98.8	98.8	98.8
66	15.2	1.2	1.2	1.2	1.2	1.2	10.4	90.7	98.8	98.8	98.8	97.4
68	4.1	1.2	1.2	1.2	1.2	1.2	1.2	65.2	96.5	98.8	98.8	89.6
69	2.1	1.2	1.2	1.2	1.2	1.2	1.2	45.1	95.3	98.8	98.8	78.9
70	1.4	1.2	1.2	1.2	1.2	1.2	1.2	28.7	86.6	98.8	98.8	70.7
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	72.0	98.8	98.8	57.7
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	57.3	97.6	95.9	46.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	23.2	74.4	84.1	18.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.6	11.0	54.9	69.5	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	18.3	30.5	3.0
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	90.7	86.6	97.6	97.6	97.6	96.2	87.8	43.9	29.3	89.0
50-64	57.3	97.6	7.3	0.0	72.0	97.6	64.3	0.8	0.0	0.0	0.0	0.0
55-56	0.0	15.9	0.0	0.0	1.9	22.0	1.1	0.0	0.0	0.0	0.0	0.0
59-64	57.3	0.0	0.0	0.0	0.0	6.1	51.2	0.8	0.0	0.0	0.0	0.0
59-68	94.7	0.0	0.0	0.0	0.0	6.1	84.5	33.6	2.3	0.0	0.0	9.2
59-75	97.6	0.0	0.0	0.0	0.0	6.1	84.5	96.2	87.8	43.9	29.3	89.0
60-70	97.4	0.0	0.0	0.0	0.0	1.5	79.9	70.1	12.2	0.0	0.0	28.1
61-71	90.9	0.0	0.0	0.0	0.0	0.8	73.2	82.9	26.8	0.0	0.0	41.1
63-69	50.7	0.0	0.0	0.0	0.0	0.0	48.8	53.5	3.5	0.0	0.0	19.9
63-77	51.6	0.0	0.0	0.0	0.0	0.0	48.8	97.4	97.6	80.5	68.3	95.8
65-82	22.0	0.0	0.0	0.0	0.0	0.0	22.0	95.1	97.6	97.6	97.6	97.6
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.5	85.4	97.6	97.6	69.5
42-60	0.0	97.6	97.6	95.8	97.6	96.1	17.7	0.0	0.0	0.0	0.0	0.0
61-77	90.9	0.0	0.0	0.0	0.0	0.8	73.2	97.6	97.6	80.5	68.3	95.8

Alternative 1 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.2	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	91.9	87.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	40.2	23.2	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	20.7	5.5	90.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	95.1	1.7	1.2	30.1	97.3	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	87.8	1.2	1.2	12.0	86.0	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	67.1	1.2	1.2	6.1	74.4	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	42.7	1.2	1.2	3.1	61.0	98.7	98.8	98.8	98.8	98.8	98.8
56	98.8	26.8	1.2	1.2	1.2	39.0	97.6	98.8	98.8	98.8	98.8	98.8
57	98.8	14.0	1.2	1.2	1.2	23.2	96.7	98.8	98.8	98.8	98.8	98.8
58	98.8	5.5	1.2	1.2	1.2	12.8	91.2	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	7.3	85.7	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	2.7	81.1	98.8	98.8	98.8	98.8	98.8
61	92.1	1.2	1.2	1.2	1.2	2.0	74.4	98.8	98.8	98.8	98.8	98.8
62	74.4	1.2	1.2	1.2	1.2	1.4	61.0	98.8	98.8	98.8	98.8	98.8
63	52.8	1.2	1.2	1.2	1.2	1.2	50.0	98.6	98.8	98.8	98.8	98.8
64	41.5	1.2	1.2	1.2	1.2	1.2	34.5	98.0	98.8	98.8	98.8	98.8
65	23.2	1.2	1.2	1.2	1.2	1.2	22.0	96.3	98.8	98.8	98.8	98.8
66	14.6	1.2	1.2	1.2	1.2	1.2	10.4	90.7	98.8	98.8	98.8	97.4
68	4.1	1.2	1.2	1.2	1.2	1.2	1.2	65.2	96.5	98.8	98.8	89.6
69	2.1	1.2	1.2	1.2	1.2	1.2	1.2	45.1	95.3	98.8	98.8	78.9
70	1.4	1.2	1.2	1.2	1.2	1.2	1.2	28.7	86.6	98.8	98.8	70.7
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	70.7	98.8	98.8	57.7
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	57.3	97.6	95.9	46.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	23.2	74.4	84.1	18.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.6	11.0	54.9	69.5	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	18.9	30.5	3.0
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	90.7	86.6	97.6	97.6	97.6	96.2	87.8	43.9	29.3	89.0
50-64	57.3	97.6	7.3	0.0	72.0	97.6	64.3	0.8	0.0	0.0	0.0	0.0
55-56	0.0	15.9	0.0	0.0	1.9	22.0	1.1	0.0	0.0	0.0	0.0	0.0
59-64	57.3	0.0	0.0	0.0	0.0	6.1	51.2	0.8	0.0	0.0	0.0	0.0
59-68	94.7	0.0	0.0	0.0	0.0	6.1	84.5	33.6	2.3	0.0	0.0	9.2
59-75	97.6	0.0	0.0	0.0	0.0	6.1	84.5	96.2	87.8	43.9	29.3	89.0
60-70	97.4	0.0	0.0	0.0	0.0	1.5	79.9	70.1	12.2	0.0	0.0	28.1
61-71	90.9	0.0	0.0	0.0	0.0	0.8	73.2	82.9	28.1	0.0	0.0	41.1
63-69	50.7	0.0	0.0	0.0	0.0	0.0	48.8	53.5	3.5	0.0	0.0	19.9
63-77	51.6	0.0	0.0	0.0	0.0	0.0	48.8	97.4	97.6	79.9	68.3	95.8
65-82	22.0	0.0	0.0	0.0	0.0	0.0	20.8	95.1	97.6	97.6	97.6	97.6
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.5	85.4	97.6	97.6	69.5
42-60	0.0	97.6	97.6	95.8	97.6	96.1	17.7	0.0	0.0	0.0	0.0	0.0
61-77	90.9	0.0	0.0	0.0	0.0	0.8	73.2	97.6	97.6	79.9	68.3	95.8

Alternative 1 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0
66	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0

Alternative 1 (Future) vs No Action Alternative

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

Alternative 1 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	25.6	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.7	1.2	1.2	15.9	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.1	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.3	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.3	78.7	82.3	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	39.0	42.7	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.5	20.1	16.5	89.0
50-64	46.4	97.6	7.3	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.5	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.1	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.1	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.1	0.0	0.0	0.0	6.1	86.8	95.7	78.5	20.1	16.5	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.2	59.8	56.1	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.2	59.8	56.1	96.7

Alternative 1 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-1.2	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
50-64	0.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0

Table 227 No Action Alternative -Alternative 1 (Future)

Delta Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years			0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years			61.0	57.3	59.8	69.5	0.0	0.0				
	September through November	Mean Monthly X_2 (RKm)	X_2 between 74 km and 81 km	74-81		Wet and Above Normal Water Years	0.0	0.0										0.0
	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-1.2	0.0	0.0							
Egg and Embryo	February through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years					0.0	0.0	0.0	0.0				
Larval	March through June	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years						0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years						0.0	-3.3	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years						0.0	0.0	0.0	0.0			
Juvenile	May through July	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years								0.0	0.0	0.0		
		Mean Monthly X_2 (RKm)	Changes in X_2 between RKm 65 and 80	0.5 RKm		All Years								0.0	0.0	0.0		

Table 228 No Action Alternative -Alternative 1 (Future)

Longfin Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through March	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-1.2	0.0	0.0	0.0						
Larvae and Juvenile	April and May	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years							-3.3	0.0				
				< 0 cfs		Dry and Critical Water Years							0.0	0.0				
	January through June	Mean Monthly X_2 (RKm)	X_2	< 75 RKm		All Years				0.0	0.0	0.0	1.2	0.0	0.0			
				< 75 RKm		Dry and Critical Water Years				0.0	0.0	0.0	0.0	0.0	0.0			

Table 229 No Action Alternative -Alternative 1 (Future)

Winter-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through May	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	-3.0	0.0	-3.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		68.3	61.0	57.3	59.8	69.5	0.0	0.0				
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	2.4	-1.2	0.0	0.0	0.0				
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0				

Table 230 No Action Alternative -Alternative 1 (Future)

Spring-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	-3.0	0.0	-3.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	2.4	-1.2	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0			

Table 231 No Action Alternative -Alternative 1 (Future)

Fall- and Late Fall-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	-3.0	0.0	-3.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	2.4	-1.2	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0			
Adult (San Joaquin River)	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			0.0	0.0	-1.2							

Table 232 No Action Alternative -Alternative 1 (Future)

Steelhead in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	October through July	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%	0.0	0.0	-3.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0		
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0	0.0		
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years	0.0	0.0	0.0	2.4	-1.2	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0		

Table 233 No Action Alternative -Alternative 1 (Future)

Green Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	Year-round	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0	0.0	0.0	0.0

Table 234 No Action Alternative -Alternative 1 (Future)

White Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	April through June	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0			

Table 235 No Action Alternative -Alternative 1 (Future)

Splittail in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Spawning and Embryo Incubation	February through May	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years					59.8	69.5	0.0	0.0				
Juvenile Rearing and Emigration	April through July	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0	0.0		

Table 236 No Action Alternative -Alternative 1 (Future)

American Shad in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							1.2	0.0	0.0			

Table 237 No Action Alternative -Alternative 1 (Future)

Striped Bass in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 1 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							1.2	0.0	0.0			

Alternative 1 (Future) vs No Action Alternative

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

Alternative 1 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	25.6	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.7	1.2	1.2	15.9	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.1	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.3	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.3	78.7	82.3	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	39.0	42.7	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.5	20.1	16.5	89.0
50-64	46.4	97.6	7.3	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.5	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.1	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.1	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.1	0.0	0.0	0.0	6.1	86.8	95.7	78.5	20.1	16.5	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.2	59.8	56.1	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.2	59.8	56.1	96.7

Alternative 1 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-1.2
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
50-64	0.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	1.2	0.0

Table 239 No Action Alternative -Alternative 1 (Future)

Alternative 1 (Future) vs No Action Alternative
Sacramento River at Rio Vista, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	76.8	97.6	84.1	80.5	79.3	92.7	89.0	95.1	95.1	92.7	95.1	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
X>1.0 (Total %)	22.0	1.2	7.3	18.3	17.1	4.9	6.1	1.2	1.2	7.3	1.2	0.0
X<=-10.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	1.2	4.9	0.0	2.4	1.2	4.9	3.7	2.4	0.0	1.2	0.0
Net Change in % Exceedance:	22.0	0.0	2.4	18.3	14.6	3.7	1.2	-2.4	-1.2	7.3	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	-1.2	0.0	-1.2	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	93.9	97.0	87.9	100.0	81.8	93.9	81.8	97.0	100.0	81.8	90.9	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
X>1 (Total %)	6.1	0.0	3.0	0.0	9.1	3.0	15.2	0.0	0.0	18.2	3.0	0.0
X<=-10.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	3.0	9.1	0.0	6.1	0.0	3.0	3.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	6.1	-3.0	-6.1	0.0	3.0	3.0	12.1	-3.0	0.0	18.2	3.0	0.0
Net Change in 10% Exceedance	0.0	0.0	-3.0	0.0	-3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0

Table 240 No Action Alternative -Alternative 1 (Future)

Alternative 1 (Future) vs No Action Alternative
Yolo Bypass, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	100.0	30.5	31.7	30.5	25.6	14.6	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	0.0	69.5	68.3	69.5	74.4	84.1	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	69.5	68.3	69.5	74.4	84.1	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	68.3	61.0	57.3	59.8	69.5	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	100.0	75.8	69.7	48.5	30.3	12.1	100.0	100.0	100.0	100.0	100.0	100.0
X>=10.0	0.0	24.2	30.3	51.5	69.7	87.9	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	0.0	24.2	30.3	51.5	69.7	87.9	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in % Exceedance:	0.0	24.2	30.3	51.5	69.7	87.9	0.0	0.0	0.0	0.0	0.0	0.0
Net Change in 10% Exceedance	0.0	24.2	30.3	51.5	69.7	87.9	0.0	0.0	0.0	0.0	0.0	0.0

Table 241 No Action Alternative -Alternative 1 (Future)

Alternative 1 (Future) vs No Action Alternative
Delta Outflow, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	78.0	98.8	81.7	93.9	92.7	95.1	97.6	96.3	93.9	98.8	97.6	100.0
X>=10.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	17.1	1.2	9.8	6.1	3.7	2.4	2.4	0.0	1.2	0.0	2.4	0.0
X<=-10.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	1.2	0.0	8.5	0.0	3.7	1.2	0.0	3.7	4.9	1.2	0.0	0.0
Net Change in % Exceedance:	15.9	1.2	1.2	6.1	0.0	1.2	2.4	-3.7	-3.7	-1.2	2.4	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	2.4	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	69.7	97.0	72.7	90.9	84.8	90.9	100.0	90.9	93.9	97.0	100.0	100.0
X>=10.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1 (Total %)	18.2	3.0	15.2	9.1	6.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1 (Total %)	3.0	0.0	12.1	0.0	9.1	3.0	0.0	9.1	6.1	3.0	0.0	0.0
Net Change in % Exceedance:	15.2	3.0	3.0	9.1	-3.0	0.0	0.0	-9.1	-6.1	-3.0	0.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	6.1	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Long-Term and Water Year-Type Average of Sacramento River Delta Inflow Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116	13,187
Future - Alternative 4	8,376	10,692	21,736	30,909	36,932	30,416	19,492	10,995	11,560	13,681	9,764	13,114	13,074
Difference	26	-105	-346	-566	-567	-309	-9	-14	-6	7	-7	-1	-113
Percent Difference	0%	-1%	-2%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	-1%
							Water Year-Types						
Wet													
Future - Base	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150	19,185
Future - Alternative 4	8,995	14,380	36,385	50,268	56,246	46,883	30,782	12,270	11,847	17,046	8,759	23,146	19,021
Difference	-1	-254	-703	-766	-700	-310	29	-9	1	2	-18	-4	-164
Percent Difference	0%	-2%	-2%	-2%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%
Above Normal													
Future - Base	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709	15,067
Future - Alternative 4	9,456	9,969	19,218	39,648	52,255	36,592	18,222	12,047	12,037	14,831	9,004	15,709	14,923
Difference	166	-59	-377	-886	-656	-577	2	0	-1	0	-1	0	-143
Percent Difference	2%	-1%	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	0%	-1%
Below Normal													
Future - Base	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570	10,705
Future - Alternative 4	8,181	9,209	16,212	24,018	25,270	23,226	16,438	11,349	12,359	12,790	10,143	6,570	10,583
Difference	-2	-27	-186	-697	-687	-346	-55	-37	2	-10	1	0	-122
Percent Difference	0%	0%	-1%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%	-1%
Dry													
Future - Base	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583	9,426
Future - Alternative 4	7,696	9,087	14,200	15,874	23,685	20,743	12,940	10,458	11,587	11,719	11,004	6,583	9,355
Difference	0	-42	-97	-268	-475	-298	-21	-13	7	4	0	0	-71
Percent Difference	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	-1%
Critical													
Future - Base	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975	7,426
Future - Alternative 4	7,390	7,648	10,851	13,479	15,750	12,984	10,422	7,779	9,589	9,573	10,166	6,975	7,389
Difference	28	-15	-129	-194	-217	-38	-31	-17	-55	47	-7	0	-37
Percent Difference	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	0%	0%	0%	-1%

Sacramento River Delta Inflow

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,235	17,027	51,654	65,553	69,785	60,402	45,827	14,062	14,775	19,566	11,080	23,931
20%	8,769	12,121	31,691	57,934	63,984	51,170	26,603	12,353	13,371	17,266	10,982	23,302
30%	8,164	10,380	21,194	41,318	55,940	41,821	18,011	11,604	12,742	14,296	10,796	21,171
40%	7,981	9,237	17,702	28,066	43,996	30,782	15,285	11,092	11,853	13,342	10,577	15,579
50%	7,891	8,609	16,336	22,928	32,847	22,574	13,363	10,364	11,233	12,636	10,333	6,896
60%	7,870	7,940	13,685	19,586	22,299	17,435	12,171	9,646	10,701	12,343	9,683	6,650
70%	7,816	7,863	12,583	14,988	18,509	15,725	11,343	9,037	10,289	11,773	8,734	6,595
80%	7,655	7,666	9,913	12,874	16,673	13,489	10,154	8,418	9,791	11,041	8,421	6,535
90%	6,420	6,929	9,262	10,998	14,384	11,578	8,911	7,956	8,712	9,884	7,899	6,418
Long Term												
Full Simulation Period	8,350	10,798	22,082	31,475	37,498	30,725	19,501	11,009	11,566	13,675	9,771	13,116
Water Year Types												
Wet	8,996	14,634	37,088	51,035	56,945	47,194	30,753	12,279	11,846	17,045	8,777	23,150
Above Normal	9,290	10,029	19,595	40,534	52,912	37,168	18,221	12,048	12,038	14,830	9,005	15,709
Below Normal	8,183	9,236	16,398	24,715	25,957	23,572	16,492	11,386	12,357	12,801	10,142	6,570
Dry	7,696	9,129	14,297	16,142	24,160	21,042	12,961	10,471	11,580	11,715	11,004	6,583
Critical	7,362	7,663	10,980	13,674	15,968	13,022	10,454	7,796	9,644	9,526	10,173	6,975

Future - Alternative 4

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,257	16,733	50,833	65,393	69,788	60,190	45,827	14,129	14,731	19,568	11,077	23,922
20%	8,823	12,093	30,469	56,647	63,679	51,046	26,618	12,350	13,404	17,266	10,975	23,303
30%	8,221	10,341	20,645	39,177	54,445	40,790	18,008	11,602	12,749	14,295	10,796	21,171
40%	7,981	9,218	17,528	26,812	43,227	29,473	15,158	11,014	11,854	13,339	10,577	15,580
50%	7,891	8,582	16,200	22,369	31,905	22,219	13,360	10,364	11,209	12,643	10,269	6,896
60%	7,853	7,926	13,659	19,210	21,436	17,325	12,171	9,635	10,718	12,342	9,683	6,650
70%	7,816	7,848	12,534	14,898	18,147	15,643	11,132	9,037	10,289	11,776	8,734	6,595
80%	7,655	7,659	9,893	12,827	16,530	13,428	10,281	8,418	9,790	11,225	8,421	6,535
90%	6,477	6,922	9,143	10,975	14,356	11,576	8,911	7,949	8,712	9,830	7,901	6,418
Long Term												
Full Simulation Period	8,376	10,692	21,736	30,909	36,932	30,416	19,492	10,995	11,560	13,681	9,764	13,114
Water Year Types												
Wet	8,995	14,380	36,385	50,268	56,246	46,883	30,782	12,270	11,847	17,046	8,759	23,146
Above Normal	9,456	9,969	19,218	39,648	52,255	36,592	18,222	12,047	12,037	14,831	9,004	15,709
Below Normal	8,181	9,209	16,212	24,018	25,270	23,226	16,438	11,349	12,359	12,790	10,143	6,570
Dry	7,696	9,087	14,200	15,874	23,685	20,743	12,940	10,458	11,587	11,719	11,004	6,583
Critical	7,390	7,648	10,851	13,479	15,750	12,984	10,422	7,779	9,589	9,573	10,166	6,975

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	23	-294	-821	-160	3	-213	0	67	-44	2	-3	-9
20%	54	-29	-1,223	-1,287	-305	-124	16	-2	33	0	-6	1
30%	58	-39	-549	-2,141	-1,495	-1,031	-3	-2	7	-1	1	0
40%	0	-19	-174	-1,253	-770	-1,309	-127	-78	1	-2	0	0
50%	0	-27	-136	-559	-941	-355	-3	0	-24	7	-63	-1
60%	-17	-15	-26	-376	-863	-110	0	-11	17	-1	0	0
70%	0	-16	-49	-90	-363	-82	-211	0	0	4	0	0
80%	0	-7	-21	-47	-143	-60	127	0	0	184	0	0
90%	57	-7	-119	-23	-28	-2	0	-7	0	-54	1	0
Long Term												
Full Simulation Period	26	-105	-346	-566	-567	-309	-9	-14	-6	7	-7	-1
Water Year Types												
Wet	-1	-254	-703	-766	-700	-310	29	-9	1	2	-18	-4
Above Normal	166	-59	-377	-886	-656	-577	2	0	-1	0	-1	0
Below Normal	-2	-27	-186	-697	-687	-346	-55	-37	2	-10	1	0
Dry	0	-42	-97	-268	-475	-298	-21	-13	7	4	0	0
Critical	28	-15	-129	-194	-217	-38	-31	-17	-55	47	-7	0

Long-Term and Water Year-Type Average of Total CVP Deliveries North of the Delta Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944	2,234
Future - Alternative 4	1,473	705	382	224	235	323	5,015	5,427	7,762	7,605	5,752	1,944	2,234
Difference	0	1	0	0	-1	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142	2,294
Future - Alternative 4	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,180	2,142	2,294
Difference	0	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%
Above Normal													
Future - Base	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186	2,288
Future - Alternative 4	1,459	700	376	226	236	239	4,896	5,545	7,962	7,972	5,945	2,186	2,288
Difference	3	5	0	0	0	0	0	0	0	1	1	0	1
Percent Difference	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881	2,280
Future - Alternative 4	1,574	746	411	234	227	327	5,295	5,620	7,826	7,666	5,799	1,881	2,280
Difference	0	0	0	0	-6	0	0	-1	-1	-1	-1	0	-1
Percent Difference	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793	2,233
Future - Alternative 4	1,508	709	382	229	237	331	5,227	5,485	7,678	7,542	5,719	1,792	2,233
Difference	0	0	0	0	0	0	-1	-1	-1	-1	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613	2,004
Future - Alternative 4	1,430	744	395	208	229	491	5,501	4,806	6,778	6,233	4,652	1,614	2,004
Difference	0	0	0	0	0	0	0	0	1	1	1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Total CVP Deliveries North of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,805	942	487	299	267	609	6,547	6,089	8,526	8,483	6,489	2,345
20%	1,755	883	457	252	247	417	5,972	5,927	8,171	8,021	6,143	2,197
30%	1,658	800	416	226	238	324	5,606	5,855	8,035	7,830	5,984	2,126
40%	1,589	744	392	214	238	246	5,384	5,734	7,885	7,765	5,908	2,076
50%	1,479	674	372	213	238	223	5,166	5,604	7,789	7,720	5,830	1,992
60%	1,378	629	349	213	232	214	4,809	5,360	7,687	7,626	5,729	1,927
70%	1,309	601	337	211	230	212	4,680	5,116	7,576	7,431	5,626	1,790
80%	1,217	552	310	198	212	212	4,277	4,968	7,405	7,212	5,449	1,713
90%	1,119	511	297	183	206	199	3,070	4,539	7,117	7,088	5,246	1,500
Long Term												
Full Simulation Period	1,473	705	382	224	236	323	5,015	5,427	7,762	7,605	5,752	1,944
Water Year Types												
Wet	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,181	2,142
Above Normal	1,457	694	376	226	237	239	4,896	5,545	7,962	7,972	5,945	2,186
Below Normal	1,574	746	411	234	233	328	5,295	5,621	7,827	7,667	5,800	1,881
Dry	1,508	709	382	229	237	331	5,227	5,486	7,679	7,543	5,719	1,793
Critical	1,430	744	395	208	229	491	5,500	4,805	6,777	6,232	4,651	1,613

Future - Alternative 4

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,804	942	487	299	267	609	6,547	6,089	8,526	8,483	6,488	2,347
20%	1,755	883	457	252	247	416	5,972	5,927	8,171	8,021	6,145	2,197
30%	1,657	800	416	226	238	324	5,606	5,852	8,035	7,830	5,984	2,126
40%	1,591	744	392	214	238	246	5,383	5,734	7,885	7,765	5,907	2,076
50%	1,479	674	372	213	238	223	5,167	5,603	7,789	7,721	5,830	1,993
60%	1,379	629	349	213	231	214	4,809	5,360	7,685	7,626	5,735	1,926
70%	1,309	606	337	211	230	212	4,680	5,116	7,576	7,427	5,626	1,788
80%	1,217	552	310	198	210	212	4,277	4,968	7,402	7,209	5,449	1,713
90%	1,119	511	297	183	203	199	3,070	4,541	7,116	7,088	5,246	1,499
Long Term												
Full Simulation Period	1,473	705	382	224	235	323	5,015	5,427	7,762	7,605	5,752	1,944
Water Year Types												
Wet	1,422	667	363	222	239	272	4,539	5,521	8,164	8,101	6,180	2,142
Above Normal	1,459	700	376	226	236	239	4,896	5,545	7,962	7,972	5,945	2,186
Below Normal	1,574	746	411	234	227	327	5,295	5,620	7,826	7,666	5,799	1,881
Dry	1,508	709	382	229	237	331	5,227	5,485	7,678	7,542	5,719	1,792
Critical	1,430	744	395	208	229	491	5,501	4,806	6,778	6,233	4,652	1,614

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	-1	2
20%	0	0	0	0	0	0	0	0	0	0	2	0
30%	-1	0	0	0	0	0	0	-3	0	0	0	0
40%	2	0	0	0	0	0	0	0	0	-1	-1	0
50%	0	0	0	0	0	0	1	-1	0	0	0	1
60%	0	0	0	0	0	0	0	0	-2	0	6	-1
70%	0	5	0	0	0	0	0	0	0	-4	0	-2
80%	0	0	0	0	-3	0	0	-1	-3	-2	0	0
90%	0	0	0	0	-3	0	0	2	0	0	0	0
Long Term												
Full Simulation Period	0	1	0	0	-1	0	0	0	0	0	0	0
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	3	5	0	0	0	0	0	0	0	1	1	0
Below Normal	0	0	0	0	-6	0	0	-1	-1	-1	-1	0
Dry	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Critical	0	0	0	0	0	0	0	0	1	1	1	0

Long-Term and Water Year-Type Average of Total CVP Deliveries South of the Delta Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213	1,977
Future - Alternative 4	2,541	1,483	1,013	1,043	1,434	1,899	2,274	3,350	4,775	5,103	4,520	3,213	1,976
Difference	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566	2,313
Future - Alternative 4	2,628	1,550	1,095	1,170	1,592	2,232	2,720	3,998	5,833	6,365	5,453	3,565	2,313
Difference	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398	2,150
Future - Alternative 4	2,596	1,530	1,079	1,152	1,565	2,038	2,508	3,671	5,294	5,717	4,984	3,399	2,151
Difference	0	0	0	0	0	0	1	1	2	2	2	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183	1,913
Future - Alternative 4	2,569	1,495	1,013	1,030	1,414	1,789	2,112	3,231	4,565	4,841	4,349	3,182	1,912
Difference	0	0	0	-1	-1	-1	-1	-2	-3	-4	-3	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068	1,802
Future - Alternative 4	2,498	1,449	976	989	1,371	1,736	2,051	3,007	4,198	4,400	4,027	3,067	1,801
Difference	0	0	0	-1	-1	-1	-1	-2	-3	-4	-3	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556	1,447
Future - Alternative 4	2,345	1,335	839	774	1,100	1,443	1,640	2,350	3,198	3,262	3,084	2,557	1,448
Difference	0	0	0	0	0	0	1	1	2	3	2	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Total CVP Deliveries South of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,941	1,798	1,415	1,688	2,240	2,237	2,991	4,427	6,543	7,218	6,075	3,780
20%	2,680	1,582	1,131	1,233	1,686	2,097	2,545	3,727	5,389	5,832	5,065	3,423
30%	2,638	1,550	1,086	1,155	1,563	2,032	2,485	3,587	5,156	5,552	4,863	3,357
40%	2,592	1,514	1,037	1,069	1,461	1,991	2,369	3,431	4,896	5,239	4,638	3,283
50%	2,558	1,488	1,001	1,006	1,392	1,953	2,330	3,318	4,708	5,013	4,475	3,229
60%	2,543	1,477	986	979	1,342	1,867	2,220	3,270	4,627	4,915	4,405	3,206
70%	2,503	1,445	943	909	1,280	1,698	2,023	3,147	4,424	4,671	4,227	3,144
80%	2,317	1,285	758	649	946	1,506	1,789	2,595	3,551	3,699	3,435	2,852
90%	2,252	1,229	666	483	770	1,506	1,565	2,402	3,208	3,212	3,156	2,749
Long Term												
Full Simulation Period	2,541	1,483	1,013	1,043	1,435	1,900	2,274	3,350	4,776	5,105	4,521	3,213
Water Year Types												
Wet	2,628	1,550	1,095	1,170	1,593	2,232	2,721	3,999	5,835	6,367	5,454	3,566
Above Normal	2,596	1,530	1,079	1,152	1,565	2,038	2,507	3,669	5,292	5,715	4,982	3,398
Below Normal	2,569	1,496	1,013	1,030	1,414	1,790	2,113	3,233	4,568	4,845	4,352	3,183
Dry	2,498	1,450	976	989	1,372	1,737	2,052	3,009	4,201	4,404	4,029	3,068
Critical	2,345	1,334	839	773	1,100	1,443	1,639	2,349	3,196	3,259	3,082	2,556

Future - Alternative 4

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,941	1,798	1,415	1,688	2,240	2,237	2,989	4,427	6,543	7,217	6,075	3,780
20%	2,683	1,584	1,133	1,238	1,692	2,097	2,545	3,735	5,404	5,850	5,078	3,427
30%	2,638	1,550	1,086	1,155	1,563	2,032	2,485	3,587	5,156	5,552	4,863	3,357
40%	2,592	1,514	1,037	1,069	1,461	1,991	2,369	3,431	4,896	5,239	4,638	3,283
50%	2,557	1,488	1,001	1,005	1,391	1,953	2,329	3,317	4,706	5,010	4,473	3,229
60%	2,543	1,477	986	979	1,341	1,867	2,219	3,270	4,627	4,915	4,405	3,206
70%	2,503	1,444	943	909	1,279	1,699	2,023	3,145	4,422	4,669	4,225	3,143
80%	2,316	1,284	758	647	944	1,506	1,789	2,592	3,547	3,693	3,431	2,850
90%	2,252	1,229	666	483	770	1,506	1,565	2,402	3,208	3,212	3,156	2,749
Long Term												
Full Simulation Period	2,541	1,483	1,013	1,043	1,434	1,899	2,274	3,350	4,775	5,103	4,520	3,213
Water Year Types												
Wet	2,628	1,550	1,095	1,170	1,592	2,232	2,720	3,998	5,833	6,365	5,453	3,565
Above Normal	2,596	1,530	1,079	1,152	1,565	2,038	2,508	3,671	5,294	5,717	4,984	3,399
Below Normal	2,569	1,495	1,013	1,030	1,414	1,789	2,112	3,231	4,565	4,841	4,349	3,182
Dry	2,498	1,449	976	989	1,371	1,736	2,051	3,007	4,198	4,400	4,027	3,067
Critical	2,345	1,335	839	774	1,100	1,443	1,640	2,350	3,198	3,262	3,084	2,557

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	-1	0	0	0	0	0
20%	3	2	3	5	6	0	0	9	15	18	13	4
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	-1	-1	0	-1	-1	-2	-3	-2	-1
60%	0	0	0	0	-1	0	-1	0	0	0	0	0
70%	0	0	0	-1	-1	1	0	-1	-2	-3	-2	-1
80%	-1	-1	-1	-2	-2	0	0	-3	-4	-6	-4	-1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	0	0	0	0	0	0	-1	-1	-1	-1	0
Water Year Types												
Wet	0	0	0	0	0	0	0	-1	-1	-1	-1	0
Above Normal	0	0	0	0	0	0	1	1	2	2	2	1
Below Normal	0	0	0	-1	-1	-1	-1	-2	-3	-4	-3	-1
Dry	0	0	0	-1	-1	-1	-1	-2	-3	-4	-3	-1
Critical	0	0	0	0	0	0	1	1	2	3	2	1

Long-Term and Water Year-Type Average of Total SWP Deliveries North of the Delta Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806	1,154
Future - Alternative 4	1,386	1,399	897	327	13	89	2,005	2,578	3,092	3,044	2,413	1,806	1,155
Difference	4	5	3	-1	0	0	0	0	0	0	0	0	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074	1,213
Future - Alternative 4	1,316	1,417	863	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074	1,215
Difference	13	16	10	0	0	0	0	0	0	0	0	0	2
Percent Difference	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204	1,275
Future - Alternative 4	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204	1,275
Difference	0	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%
Below Normal													
Future - Base	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792	1,216
Future - Alternative 4	1,651	1,639	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792	1,216
Difference	0	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%
Dry													
Future - Base	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750	1,136
Future - Alternative 4	1,337	1,248	830	347	9	103	2,053	2,604	3,082	2,985	2,385	1,750	1,136
Difference	0	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%
Critical													
Future - Base	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967	881
Future - Alternative 4	1,170	1,147	731	307	9	183	2,068	1,833	2,185	2,240	1,681	967	880
Difference	-1	0	-3	-6	0	1	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Total SWP Deliveries North of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,163	2,065	1,372	614	20	198	2,860	3,128	3,657	3,561	2,846	2,296
20%	2,011	1,961	1,290	520	20	128	2,556	3,038	3,510	3,477	2,800	2,233
30%	1,827	1,898	1,219	469	20	45	2,378	2,974	3,442	3,369	2,687	2,175
40%	1,653	1,843	1,157	443	19	45	2,110	2,899	3,373	3,302	2,608	2,118
50%	1,404	1,703	1,024	383	15	45	2,006	2,738	3,312	3,227	2,577	2,049
60%	1,320	1,495	940	266	11	45	1,845	2,648	3,201	3,168	2,531	1,963
70%	1,203	1,193	681	154	4	45	1,739	2,470	3,116	3,106	2,484	1,662
80%	861	570	347	60	3	32	1,397	1,931	2,987	2,952	2,290	1,247
90%	277	53	12	11	2	20	1,141	1,669	1,927	1,929	1,506	987
Long Term												
Full Simulation Period	1,383	1,394	894	328	13	89	2,005	2,578	3,092	3,044	2,413	1,806
Water Year Types												
Wet	1,303	1,401	853	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074
Above Normal	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204
Below Normal	1,651	1,640	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792
Dry	1,337	1,248	830	347	9	103	2,053	2,604	3,083	2,985	2,385	1,750
Critical	1,172	1,146	734	313	9	182	2,067	1,833	2,185	2,240	1,680	967

Future - Alternative 4

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,163	2,065	1,372	614	20	198	2,860	3,128	3,657	3,561	2,846	2,296
20%	2,011	1,961	1,290	520	20	128	2,556	3,038	3,510	3,477	2,800	2,233
30%	1,827	1,898	1,219	469	20	45	2,378	2,974	3,442	3,369	2,686	2,175
40%	1,653	1,843	1,157	443	19	45	2,110	2,899	3,373	3,302	2,608	2,118
50%	1,405	1,703	1,024	384	15	45	2,006	2,738	3,314	3,227	2,577	2,049
60%	1,330	1,533	940	280	11	45	1,845	2,648	3,201	3,168	2,531	1,963
70%	1,215	1,211	792	140	4	45	1,739	2,470	3,116	3,107	2,488	1,662
80%	731	570	347	49	3	31	1,397	1,932	2,987	2,952	2,290	1,247
90%	311	53	11	5	2	20	1,141	1,669	1,927	1,925	1,506	987
Long Term												
Full Simulation Period	1,386	1,399	897	327	13	89	2,005	2,578	3,092	3,044	2,413	1,806
Water Year Types												
Wet	1,316	1,417	863	242	19	65	1,869	2,776	3,389	3,342	2,672	2,074
Above Normal	1,565	1,622	1,055	408	15	50	2,031	2,790	3,335	3,327	2,627	2,204
Below Normal	1,651	1,639	1,087	417	9	64	2,125	2,653	3,143	3,043	2,435	1,792
Dry	1,337	1,248	830	347	9	103	2,053	2,604	3,082	2,985	2,385	1,750
Critical	1,170	1,147	731	307	9	183	2,068	1,833	2,185	2,240	1,681	967

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	1	0	0	1	0	0	0	0	2	0	0	0
60%	10	37	0	15	0	0	0	0	0	0	0	0
70%	11	19	111	-14	0	0	0	0	0	1	4	0
80%	-129	0	0	-11	0	0	0	0	0	0	0	0
90%	34	1	-1	-6	0	0	0	0	0	-4	0	0
Long Term												
Full Simulation Period	4	5	3	-1	0	0	0	0	0	0	0	0
Water Year Types												
Wet	13	16	10	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0
Critical	-1	0	-3	-6	0	1	0	0	0	0	0	0

Long-Term and Water Year-Type Average of Total SWP Deliveries South of the Delta Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829	2,489
Future - Alternative 4	4,043	2,980	3,582	469	839	1,528	2,535	3,805	5,159	5,533	5,702	4,826	2,486
Difference	0	-4	-14	-3	-1	-3	-7	-8	-6	-2	-3	-4	-3
Percent Difference	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006	3,210
Future - Alternative 4	4,354	2,993	4,106	1,106	1,814	2,665	3,834	5,363	6,771	6,812	7,149	6,004	3,208
Difference	10	-1	-32	-1	-2	0	-1	-2	-2	-2	-2	-2	-2
Percent Difference	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656	2,949
Future - Alternative 4	4,235	3,448	3,983	253	947	2,291	3,528	4,964	6,239	6,372	6,708	5,652	2,947
Difference	5	3	2	-21	-1	-4	-2	-3	-5	-5	-4	-4	-2
Percent Difference	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329	2,596
Future - Alternative 4	4,459	3,194	3,756	277	459	926	2,645	3,951	5,470	6,023	6,251	5,321	2,592
Difference	-7	-5	-5	0	0	-15	-8	-4	-5	-6	-10	-8	-4
Percent Difference	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140	1,994
Future - Alternative 4	3,822	2,753	3,098	122	201	818	1,503	2,559	4,067	4,826	4,851	4,135	1,988
Difference	-3	-7	-5	0	1	-2	-20	-28	-17	0	-2	-5	-5
Percent Difference	0%	0%	0%	0%	1%	0%	-1%	-1%	0%	0%	0%	0%	0%
Critical													
Future - Base	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132	1,213
Future - Alternative 4	3,113	2,669	2,700	71	106	199	412	1,288	2,159	2,638	2,468	2,130	1,212
Difference	-12	-10	-10	0	0	1	-3	4	4	3	-1	-1	-2
Percent Difference	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%

Total SWP Deliveries South of the Delta

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,024	4,586	5,669	1,962	2,014	2,905	4,303	5,987	7,491	7,386	7,710	6,606
20%	5,428	4,361	5,320	595	1,939	2,706	3,782	5,413	6,881	7,045	7,177	6,208
30%	5,007	4,042	4,484	231	1,754	2,547	3,546	4,855	6,162	6,469	6,763	5,710
40%	4,894	3,793	4,121	172	634	2,500	3,396	4,756	6,020	6,231	6,634	5,517
50%	4,695	3,368	3,879	145	305	1,970	3,227	4,579	5,814	6,154	6,532	5,440
60%	4,383	2,362	3,600	104	193	456	2,566	3,547	5,530	5,944	6,369	5,228
70%	2,920	2,054	2,708	91	137	337	1,514	2,544	4,505	5,640	5,920	4,934
80%	2,451	1,296	1,887	72	112	220	520	2,078	3,482	4,247	3,946	3,332
90%	1,299	897	964	56	55	146	301	1,184	1,956	2,357	2,163	1,854
Long Term												
Full Simulation Period	4,043	2,984	3,596	472	840	1,531	2,542	3,813	5,165	5,535	5,706	4,829
Water Year Types												
Wet	4,344	2,993	4,138	1,107	1,816	2,666	3,835	5,364	6,773	6,814	7,151	6,006
Above Normal	4,230	3,445	3,981	275	949	2,295	3,530	4,967	6,244	6,377	6,711	5,656
Below Normal	4,466	3,200	3,761	277	460	940	2,653	3,955	5,476	6,029	6,261	5,329
Dry	3,825	2,760	3,103	122	199	821	1,523	2,587	4,084	4,826	4,854	4,140
Critical	3,125	2,678	2,710	71	105	198	415	1,284	2,155	2,635	2,470	2,132

Future - Alternative 4

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6,026	4,586	5,670	1,965	2,014	2,905	4,305	5,989	7,492	7,389	7,708	6,606
20%	5,429	4,362	5,320	595	1,939	2,681	3,783	5,413	6,881	7,036	7,166	6,209
30%	5,008	4,042	4,484	233	1,748	2,597	3,547	4,856	6,161	6,496	6,777	5,712
40%	4,894	3,772	4,118	171	613	2,486	3,397	4,756	6,020	6,232	6,635	5,523
50%	4,683	3,357	3,869	145	309	1,944	3,227	4,570	5,804	6,155	6,532	5,437
60%	4,356	2,381	3,526	108	193	456	2,514	3,443	5,489	5,940	6,350	5,226
70%	2,959	2,035	2,487	91	137	334	1,451	2,534	4,487	5,639	5,900	4,933
80%	2,445	1,300	1,882	72	111	231	521	2,079	3,484	4,244	3,939	3,323
90%	1,300	894	957	56	56	142	301	1,186	1,957	2,354	2,163	1,858
Long Term												
Full Simulation Period	4,043	2,980	3,582	469	839	1,528	2,535	3,805	5,159	5,533	5,702	4,826
Water Year Types												
Wet	4,354	2,993	4,106	1,106	1,814	2,665	3,834	5,363	6,771	6,812	7,149	6,004
Above Normal	4,235	3,448	3,983	253	947	2,291	3,528	4,964	6,239	6,372	6,708	5,652
Below Normal	4,459	3,194	3,756	277	459	926	2,645	3,951	5,470	6,023	6,251	5,321
Dry	3,822	2,753	3,098	122	201	818	1,503	2,559	4,067	4,826	4,851	4,135
Critical	3,113	2,669	2,700	71	106	199	412	1,288	2,159	2,638	2,468	2,130

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3	0	1	3	0	0	3	1	1	3	-2	0
20%	1	0	0	-1	0	-25	0	0	1	-9	-12	1
30%	1	0	0	2	-6	49	1	0	-1	27	14	2
40%	0	-21	-4	0	-21	-14	0	0	0	1	1	6
50%	-12	-11	-10	0	4	-27	0	-9	-10	1	0	-3
60%	-27	18	-75	4	0	0	-52	-104	-41	-4	-19	-2
70%	39	-19	-221	0	0	-2	-63	-10	-18	0	-20	0
80%	-6	4	-6	0	0	10	0	0	3	-3	-7	-9
90%	1	-2	-8	0	1	-5	0	2	1	-3	0	4
Long Term												
Full Simulation Period	0	-4	-14	-3	-1	-3	-7	-8	-6	-2	-3	-4
Water Year Types												
Wet	10	-1	-32	-1	-2	0	-1	-2	-2	-2	-2	-2
Above Normal	5	3	2	-21	-1	-4	-2	-3	-5	-5	-4	-4
Below Normal	-7	-5	-5	0	0	-15	-8	-4	-5	-6	-10	-8
Dry	-3	-7	-5	0	1	-2	-20	-28	-17	0	-2	-5
Critical	-12	-10	-10	0	0	1	-3	4	4	3	-1	-1

Long-Term and Water Year-Type Average of Fremont Weir Spill to Yolo Bypass Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0	2,453
Future - Alternative 4	43	162	3,093	12,754	17,585	8,789	1,050	3	0	0	0	0	2,574
Difference	0	105	338	597	656	324	0	0	0	0	0	0	120
Percent Difference	0%	185%	12%	5%	4%	4%	0%	0%	0%	0%	0%	0%	5%
							Water Year-Types						
Wet													
Future - Base	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0	6,503
Future - Alternative 4	135	432	8,343	34,966	41,986	23,469	3,235	10	0	0	0	0	6,677
Difference	0	252	751	819	767	319	0	0	0	0	0	0	174
Percent Difference	0%	140%	10%	2%	2%	1%	0%	0%	0%	0%	0%	0%	3%
Above Normal													
Future - Base	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0	2,432
Future - Alternative 4	0	75	1,188	10,057	26,047	6,710	14	0	0	0	0	0	2,580
Difference	0	75	242	852	806	501	0	0	0	0	0	0	148
Percent Difference	0%	0%	26%	9%	3%	8%	0%	0%	0%	0%	0%	0%	6%
Below Normal													
Future - Base	0	0	1,390	583	1,456	737	137	0	0	0	0	0	257
Future - Alternative 4	0	29	1,588	1,330	2,209	1,155	137	0	0	0	0	0	384
Difference	0	29	198	747	753	418	0	0	0	0	0	0	128
Percent Difference	0%	0%	14%	128%	52%	57%	0%	0%	0%	0%	0%	0%	50%
Dry													
Future - Base	0	0	0	11	981	717	0	0	0	0	0	0	99
Future - Alternative 4	0	38	122	315	1,575	1,045	0	0	0	0	0	0	181
Difference	0	38	122	305	594	327	0	0	0	0	0	0	82
Percent Difference	0%	0%	0%	2817%	61%	46%	0%	0%	0%	0%	0%	0%	82%
Critical													
Future - Base	0	0	0	0	26	0	0	0	0	0	0	0	1
Future - Alternative 4	0	10	46	209	300	63	0	0	0	0	0	0	37
Difference	0	10	46	209	274	63	0	0	0	0	0	0	36
Percent Difference	0%	0%	0%	0%	1052%	0%	0%	0%	0%	0%	0%	0%	2387%

Fremont Weir Spill to Yolo Bypass

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	9,636	45,653	68,479	26,076	480	0	0	0	0	0
20%	0	0	417	14,794	32,134	7,332	2	0	0	0	0	0
30%	0	0	0	2,685	10,131	3,487	0	0	0	0	0	0
40%	0	0	0	83	4,103	180	0	0	0	0	0	0
50%	0	0	0	0	501	0	0	0	0	0	0	0
60%	0	0	0	0	3	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period	43	57	2,754	12,157	16,930	8,465	1,050	3	0	0	0	0
Water Year Types												
Wet	135	180	7,592	34,147	41,220	23,151	3,236	10	0	0	0	0
Above Normal	0	0	946	9,205	25,241	6,208	14	0	0	0	0	0
Below Normal	0	0	1,390	583	1,456	737	137	0	0	0	0	0
Dry	0	0	0	11	981	717	0	0	0	0	0	0
Critical	0	0	0	0	26	0	0	0	0	0	0	0

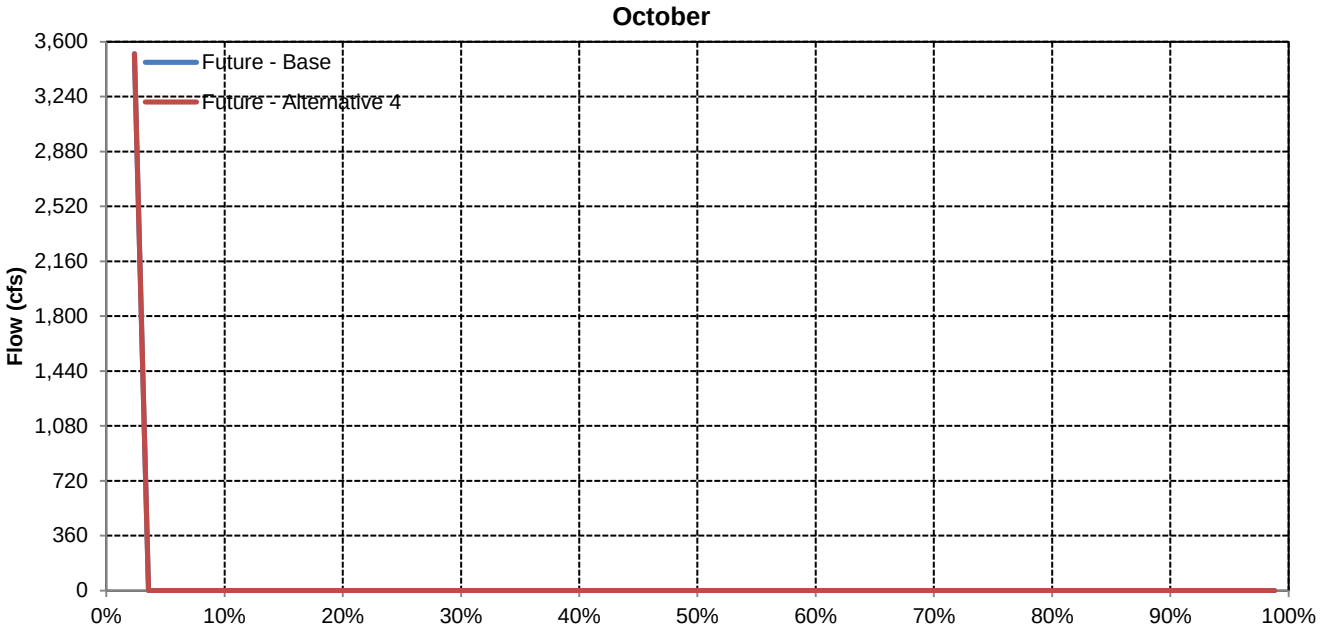
Future - Alternative 4

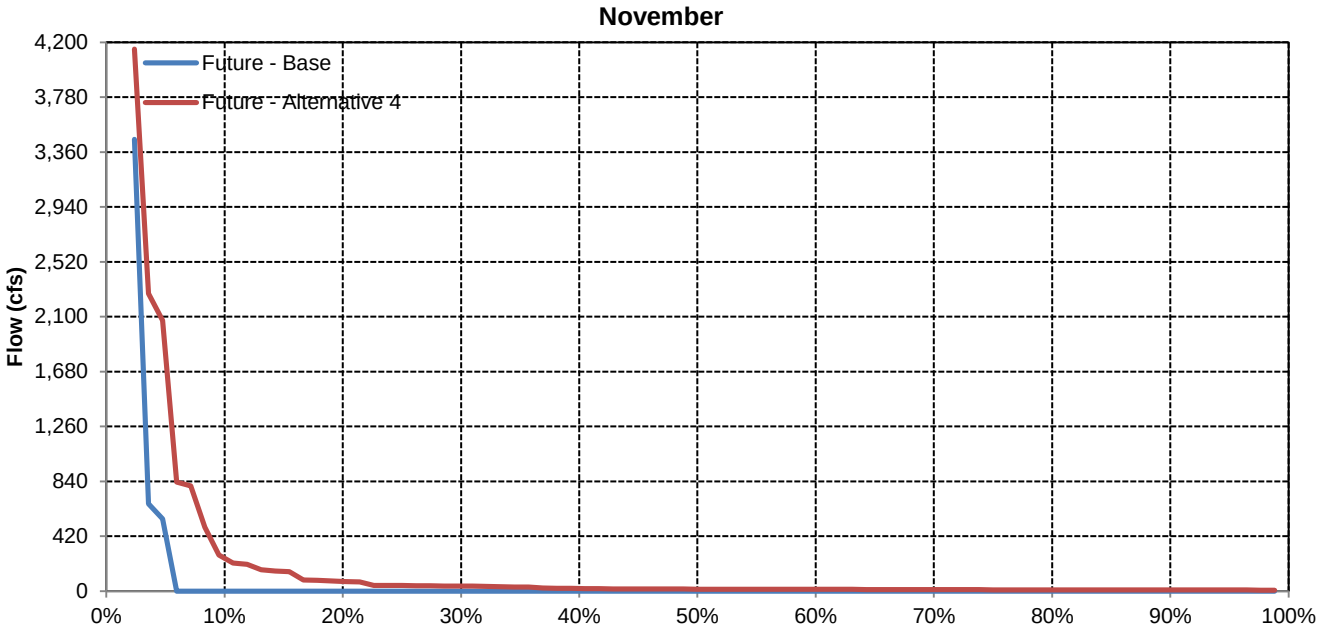
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	211	9,907	45,683	68,628	26,332	480	0	0	0	0	0
20%	0	72	1,887	15,750	32,706	7,623	2	0	0	0	0	0
30%	0	38	431	4,653	11,460	3,972	0	0	0	0	0	0
40%	0	19	259	1,744	5,331	1,421	0	0	0	0	0	0
50%	0	15	148	749	2,114	419	0	0	0	0	0	0
60%	0	14	51	422	936	223	0	0	0	0	0	0
70%	0	12	19	118	388	131	0	0	0	0	0	0
80%	0	10	14	38	173	39	0	0	0	0	0	0
90%	0	9	11	23	48	11	0	0	0	0	0	0
Long Term												
Full Simulation Period	43	162	3,093	12,754	17,585	8,789	1,050	3	0	0	0	0
Water Year Types												
Wet	135	432	8,343	34,966	41,986	23,469	3,235	10	0	0	0	0
Above Normal	0	75	1,188	10,057	26,047	6,710	14	0	0	0	0	0
Below Normal	0	29	1,588	1,330	2,209	1,155	137	0	0	0	0	0
Dry	0	38	122	315	1,575	1,045	0	0	0	0	0	0
Critical	0	10	46	209	300	63	0	0	0	0	0	0

Future - Alternative 4 Minus Future - Base

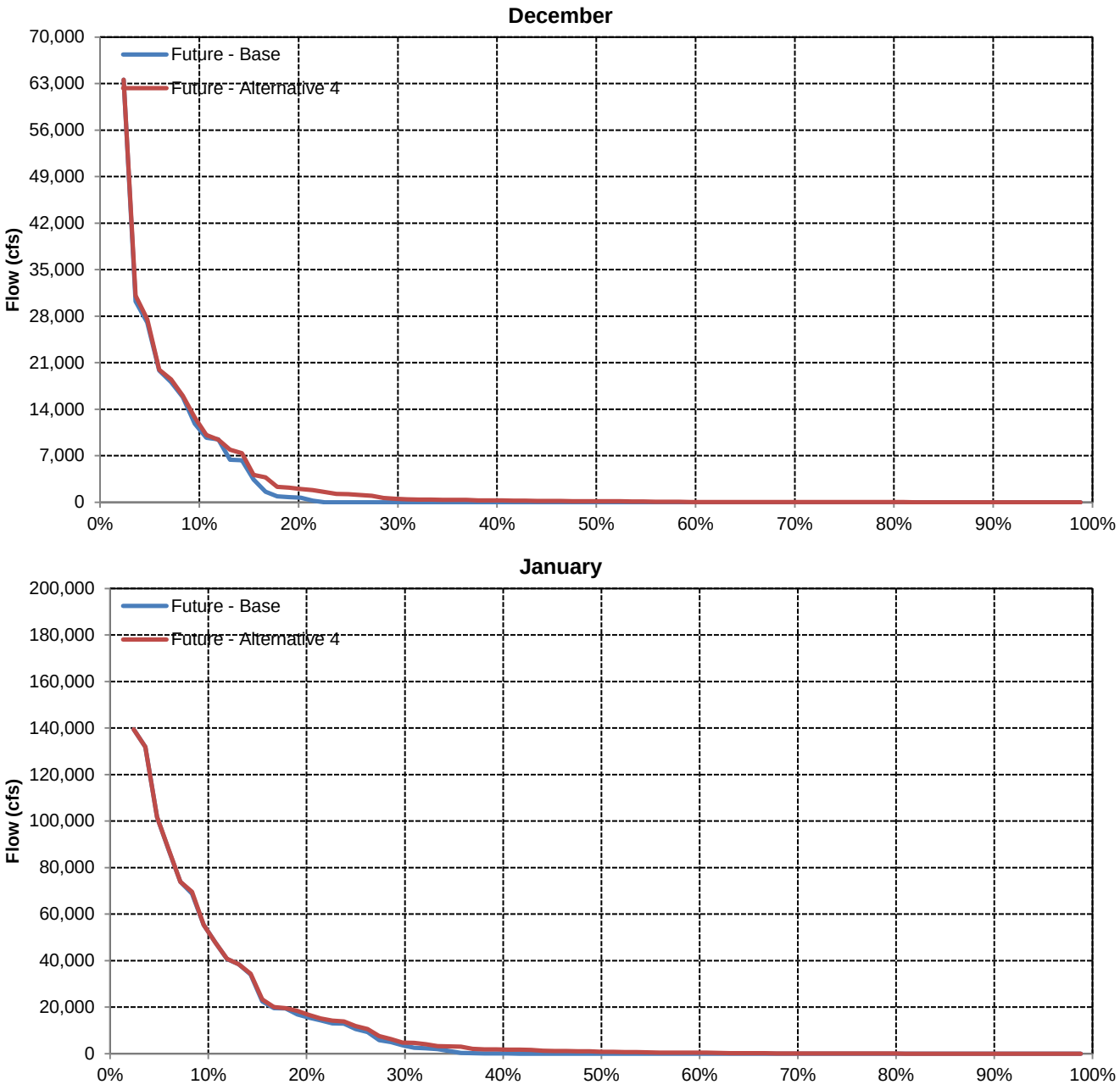
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	211	271	31	150	256	0	0	0	0	0	0
20%	0	72	1,470	957	572	291	0	0	0	0	0	0
30%	0	38	431	1,967	1,329	484	0	0	0	0	0	0
40%	0	19	259	1,661	1,227	1,241	0	0	0	0	0	0
50%	0	15	148	749	1,613	419	0	0	0	0	0	0
60%	0	14	51	422	933	223	0	0	0	0	0	0
70%	0	12	19	118	388	131	0	0	0	0	0	0
80%	0	10	14	38	173	39	0	0	0	0	0	0
90%	0	9	11	23	48	11	0	0	0	0	0	0
Long Term												
Full Simulation Period	0	105	338	597	656	324	0	0	0	0	0	0
Water Year Types												
Wet	0	252	751	819	767	319	0	0	0	0	0	0
Above Normal	0	75	242	852	806	501	0	0	0	0	0	0
Below Normal	0	29	198	747	753	418	0	0	0	0	0	0
Dry	0	38	122	305	594	327	0	0	0	0	0	0
Critical	0	10	46	209	274	63	0	0	0	0	0	0

Fremont Weir Spill to Yolo Bypass

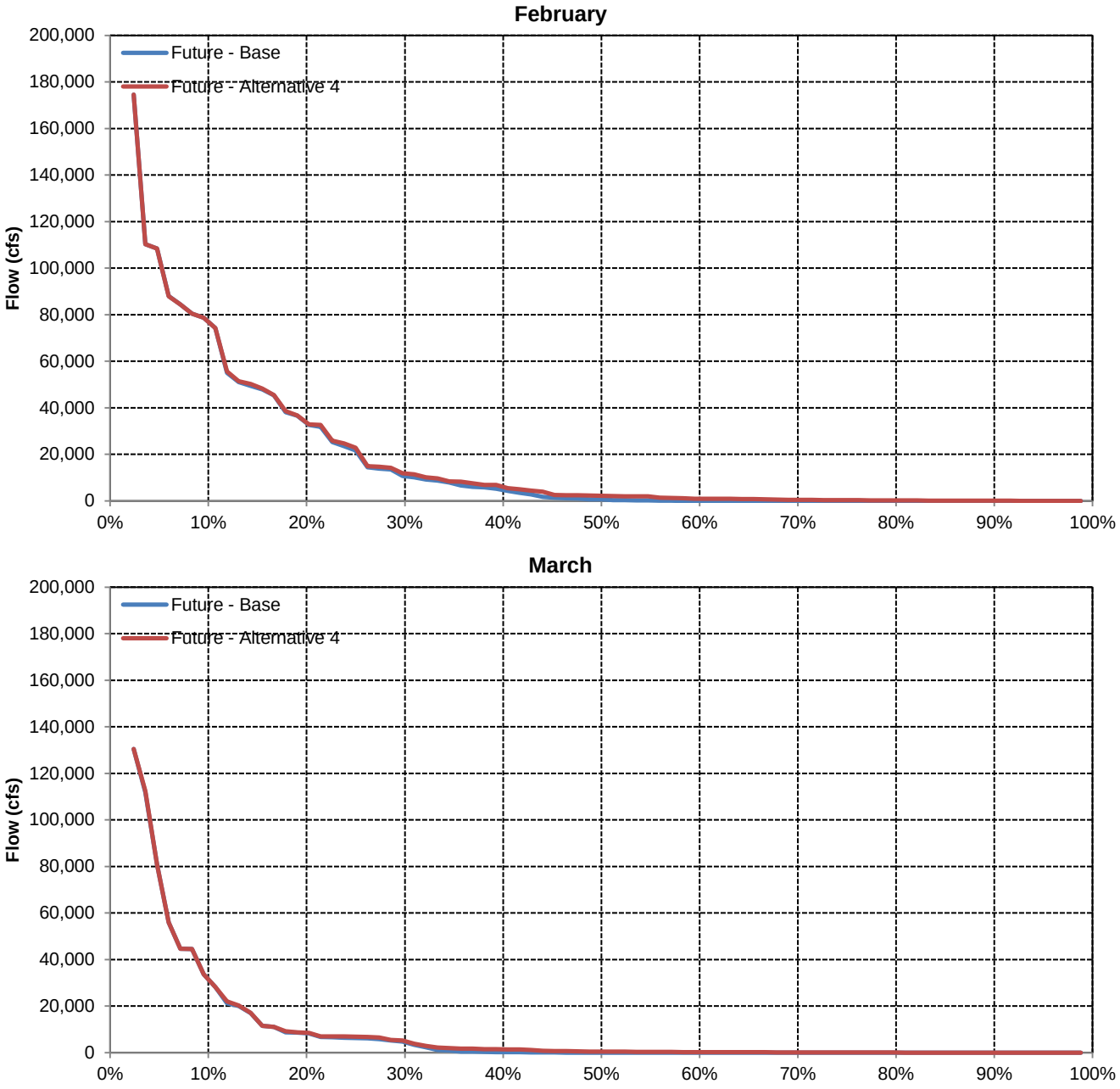




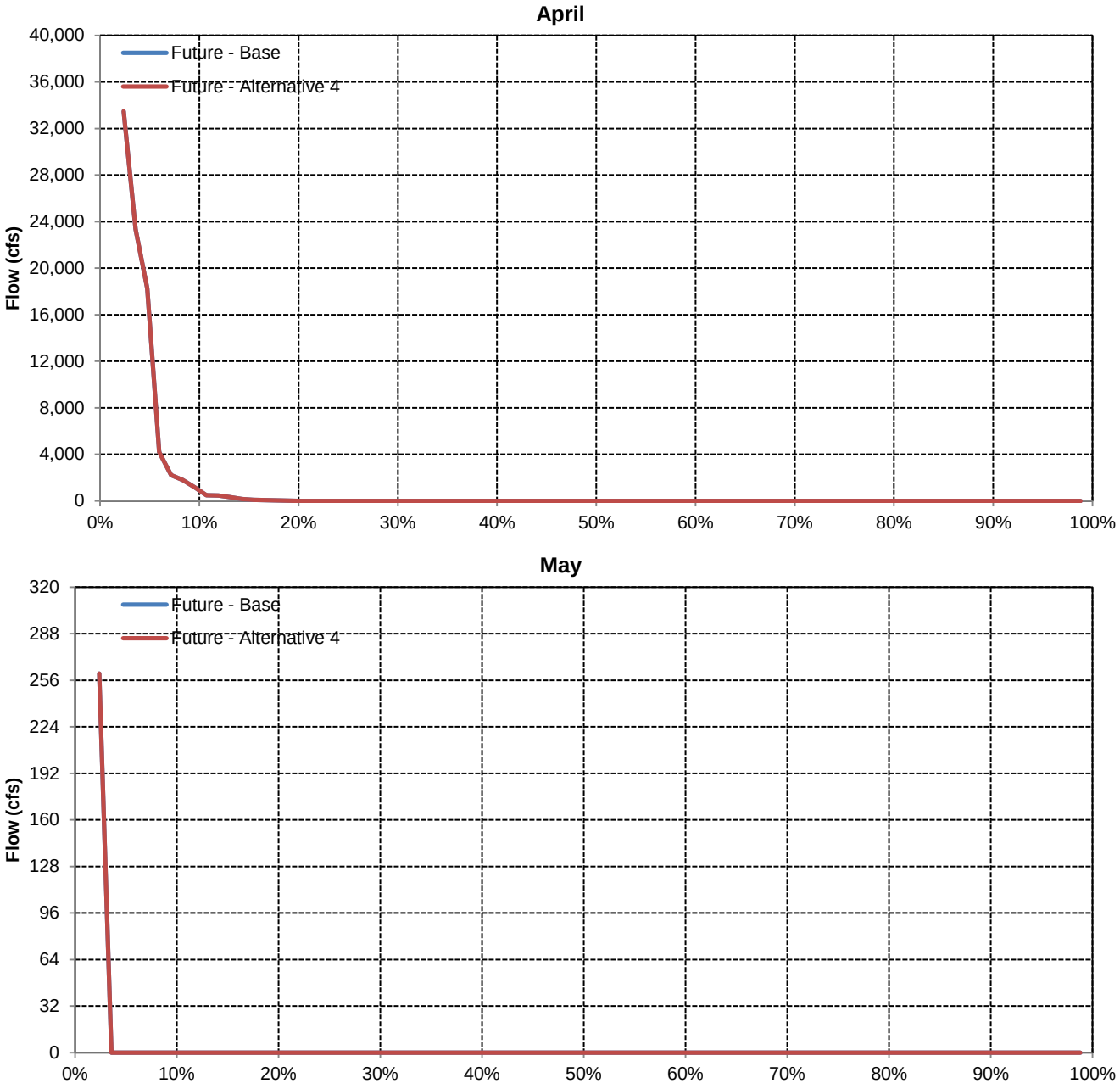
Fremont Weir Spill to Yolo Bypass



Fremont Weir Spill to Yolo Bypass

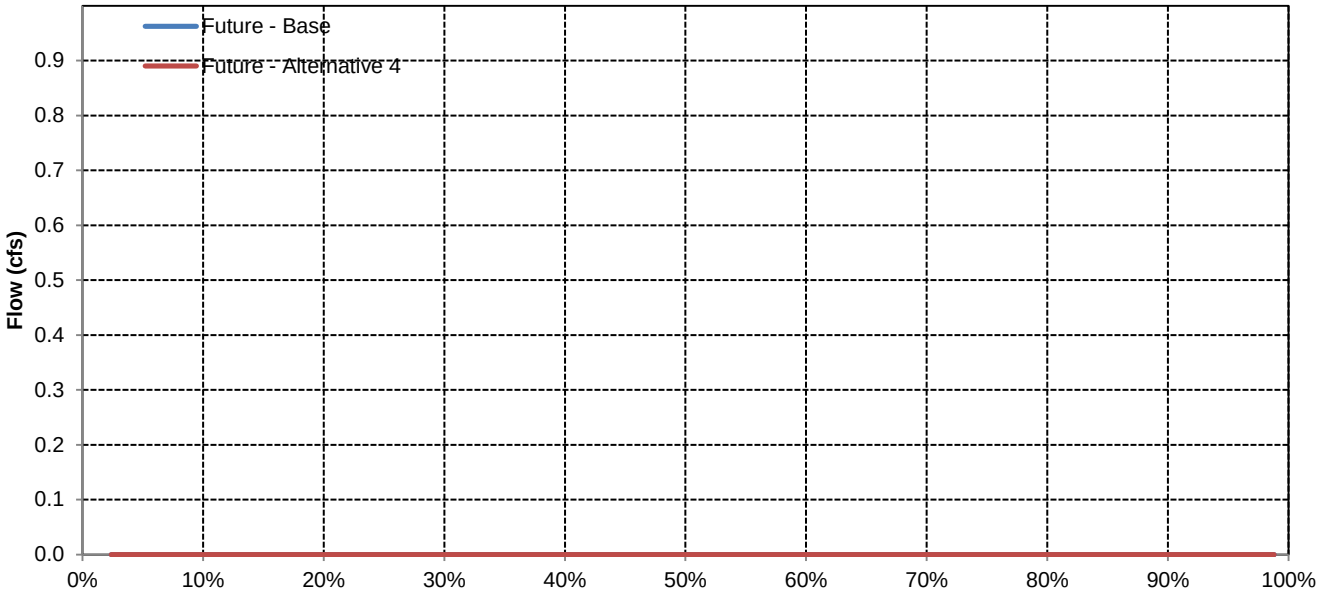


Fremont Weir Spill to Yolo Bypass

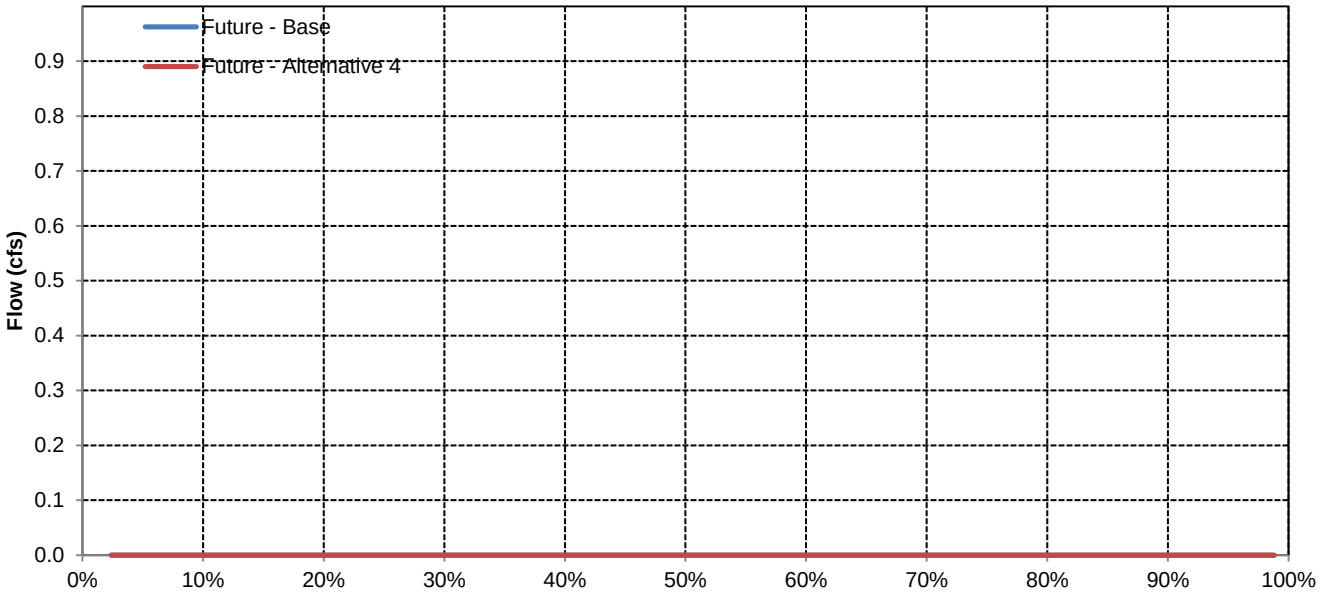


Fremont Weir Spill to Yolo Bypass

June

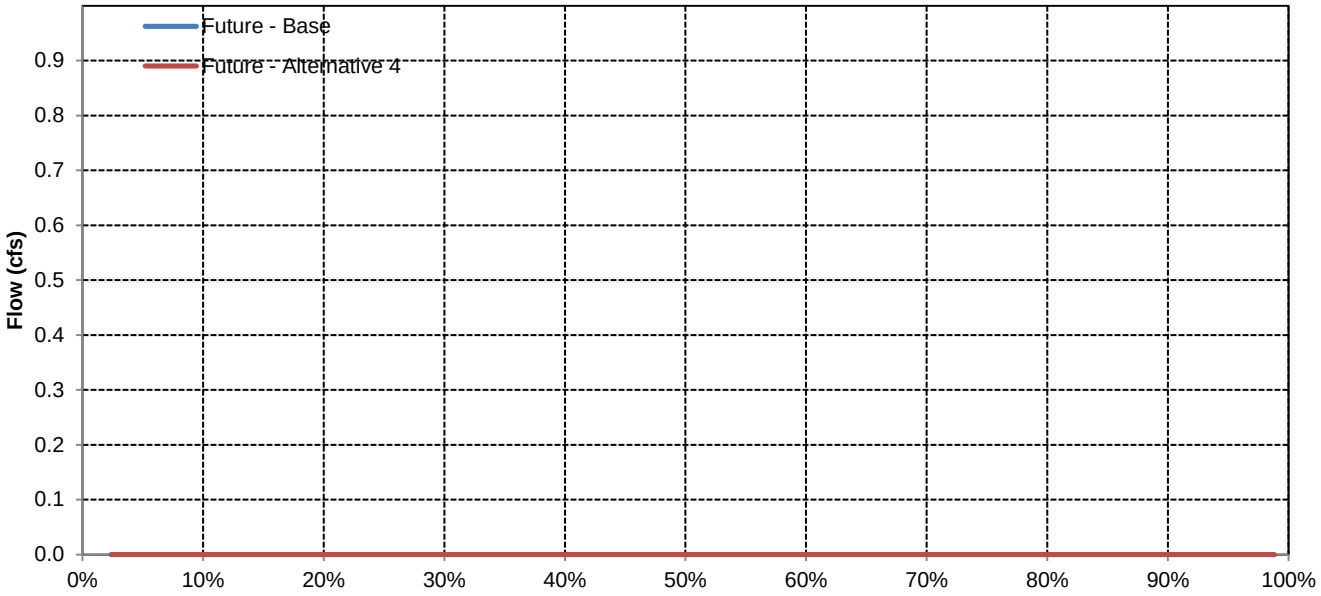


July

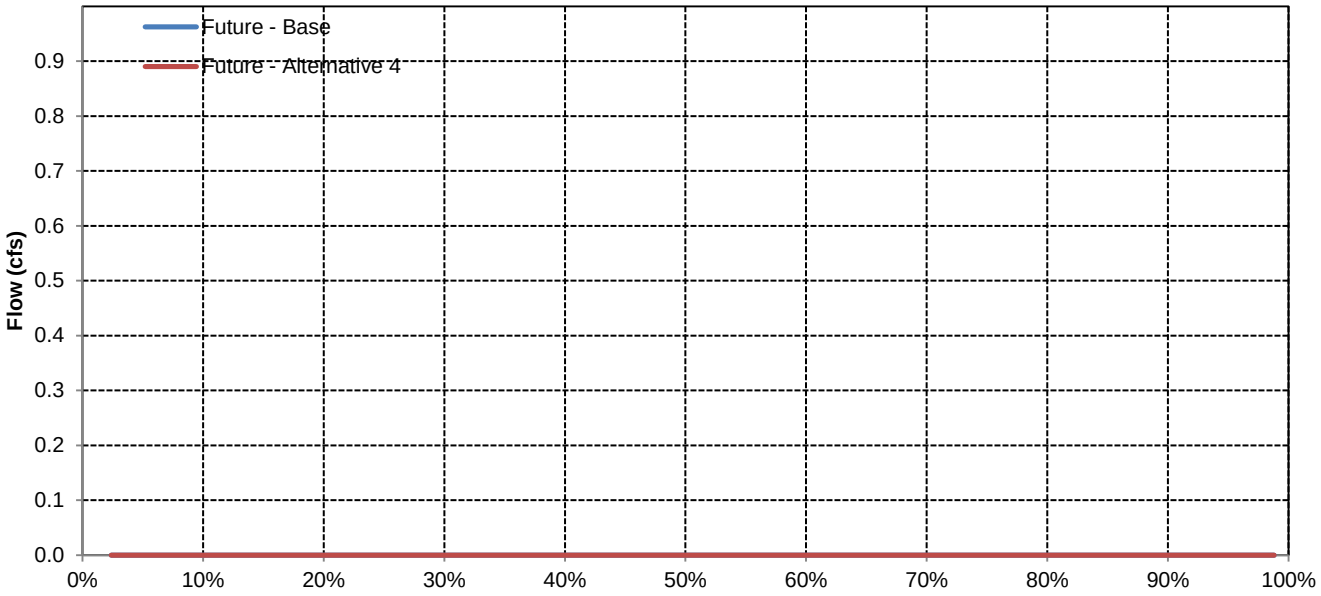


Fremont Weir Spill to Yolo Bypass

August



September



Long-Term and Water Year-Type Average of Sacramento River below Fremont Weir Under Future - Base and Future - Alternative 4

Analysis Period	October	November	December	January	February	March	April	May	June	July	August	September	Total (TAF)
							Average Flow (cfs)						
							Long-Term						
Full Simulation Period													
Future - Base	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824	13,150
Future - Alternative 4	9,242	10,614	19,354	29,420	35,351	30,710	17,569	10,440	13,680	15,366	11,261	13,830	13,029
Difference	36	-114	-373	-610	-628	-318	-2	-19	5	8	-12	6	-121
Percent Difference	0%	-1%	-2%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	-1%
							Water Year-Types						
Wet													
Future - Base	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425	19,081
Future - Alternative 4	10,323	13,902	32,816	48,663	53,980	46,051	27,848	12,025	14,178	18,964	12,760	23,423	18,907
Difference	7	-265	-766	-827	-721	-295	0	-4	0	-1	-27	-3	-174
Percent Difference	0%	-2%	-2%	-2%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%
Above Normal													
Future - Base	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466	15,480
Future - Alternative 4	10,363	10,479	17,695	37,137	49,573	38,885	16,641	11,645	16,364	17,886	12,383	16,467	15,330
Difference	182	-120	-438	-929	-697	-495	2	0	2	-5	0	2	-149
Percent Difference	2%	-1%	-2%	-2%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%
Below Normal													
Future - Base	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153	10,869
Future - Alternative 4	9,282	9,768	13,726	22,466	24,793	24,009	14,615	10,698	15,036	15,462	10,449	8,146	10,744
Difference	28	-29	-198	-743	-752	-417	0	-62	74	20	-15	-7	-125
Percent Difference	0%	0%	-1%	-3%	-3%	-2%	0%	-1%	0%	0%	0%	0%	-1%
Dry													
Future - Base	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654	9,257
Future - Alternative 4	8,206	9,271	12,466	14,630	22,280	21,278	11,522	9,423	13,218	12,531	10,162	7,640	9,178
Difference	19	-39	-113	-305	-600	-330	-8	-1	45	8	-7	-13	-79
Percent Difference	0%	0%	-1%	-2%	-3%	-2%	0%	0%	0%	0%	0%	0%	-1%
Critical													
Future - Base	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025	7,121
Future - Alternative 4	7,552	6,769	9,288	12,838	15,172	12,957	9,428	7,318	9,442	9,884	9,698	7,100	7,078
Difference	0	5	-87	-212	-275	-80	-1	-53	-123	29	5	75	-43
Percent Difference	0%	0%	-1%	-2%	-2%	-1%	0%	-1%	-1%	0%	0%	1%	-1%

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,897	16,169	45,741	61,582	63,120	58,501	40,381	14,264	19,317	20,306	15,937	23,746
20%	10,789	13,042	30,986	52,000	59,936	50,976	24,134	12,203	18,036	19,458	13,060	23,231
30%	9,787	11,409	19,616	42,207	50,229	42,750	16,494	11,100	17,030	17,789	11,135	21,443
40%	9,396	10,373	16,258	31,518	42,508	33,844	14,502	10,319	14,771	17,206	10,721	14,835
50%	9,004	9,580	14,683	22,826	32,845	25,125	12,720	9,227	12,760	16,197	10,366	9,351
60%	8,421	8,564	12,034	17,536	23,964	20,148	10,605	8,847	11,697	14,641	10,117	8,213
70%	7,953	7,746	10,580	14,086	19,326	17,034	9,863	8,329	10,907	12,994	9,872	7,627
80%	6,644	6,697	8,469	11,527	15,457	13,796	9,349	7,855	9,488	11,435	9,571	7,237
90%	6,027	5,916	7,135	10,183	12,838	10,799	8,626	7,207	8,168	9,224	9,229	6,510
Long Term												
Full Simulation Period	9,206	10,728	19,728	30,030	35,978	31,028	17,571	10,459	13,675	15,358	11,273	13,824
Water Year Types												
Wet	10,316	14,168	33,582	49,490	54,700	46,345	27,848	12,029	14,178	18,965	12,787	23,425
Above Normal	10,180	10,600	18,133	38,066	50,270	39,380	16,639	11,646	16,362	17,891	12,383	16,466
Below Normal	9,254	9,797	13,924	23,209	25,545	24,426	14,615	10,760	14,962	15,443	10,464	8,153
Dry	8,186	9,309	12,579	14,935	22,880	21,608	11,530	9,425	13,173	12,523	10,169	7,654
Critical	7,552	6,764	9,375	13,050	15,447	13,038	9,429	7,372	9,565	9,855	9,692	7,025

Future - Alternative 4

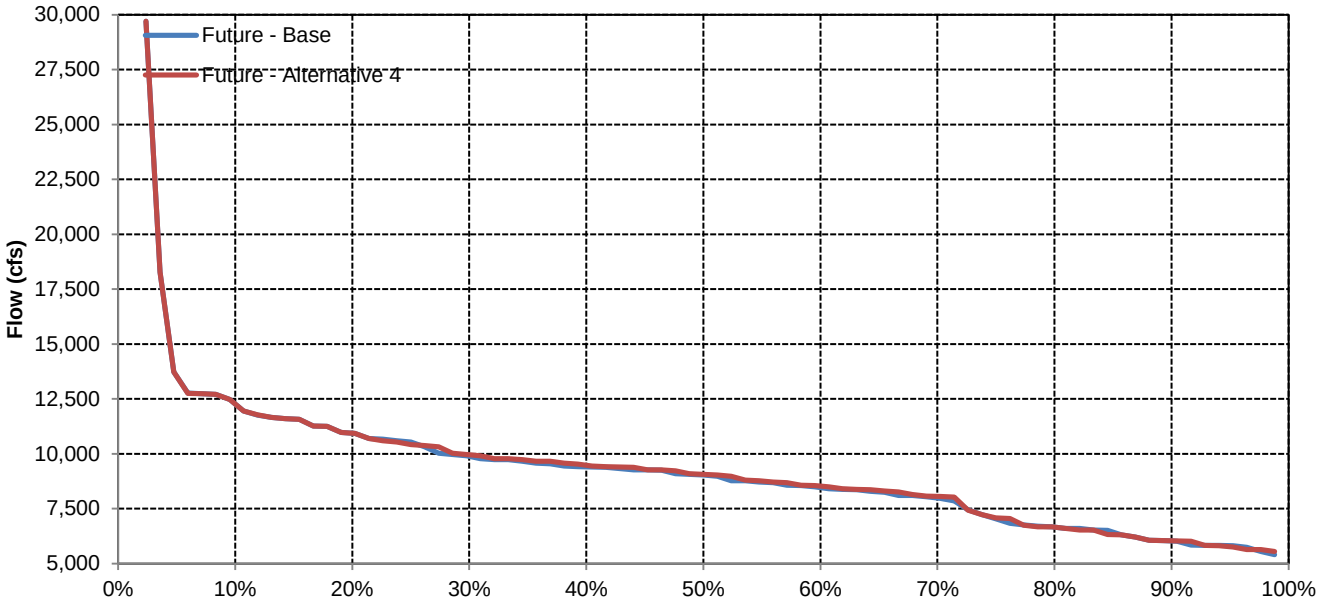
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,898	15,959	44,499	61,377	63,132	58,462	40,380	14,264	19,318	20,306	15,938	23,749
20%	10,789	12,983	29,910	50,589	59,670	50,837	24,148	12,203	18,232	19,460	13,059	23,234
30%	9,909	11,370	19,197	40,676	48,625	41,918	16,489	10,978	17,029	17,828	11,206	21,443
40%	9,437	10,358	16,030	29,759	41,372	32,409	14,501	10,319	15,001	17,363	10,714	14,834
50%	9,045	9,565	14,483	21,914	30,974	24,853	12,720	9,104	12,755	16,201	10,323	9,341
60%	8,510	8,550	11,984	17,103	23,048	19,935	10,605	8,820	11,599	14,829	10,130	8,300
70%	8,059	7,734	10,710	14,014	18,936	16,865	9,863	8,328	10,736	12,996	9,885	7,627
80%	6,642	6,613	8,375	11,506	15,314	13,728	9,358	7,855	9,488	11,434	9,571	7,237
90%	6,037	5,907	7,125	10,160	12,806	10,776	8,626	7,207	8,180	9,233	9,228	6,509
Long Term												
Full Simulation Period	9,242	10,614	19,354	29,420	35,351	30,710	17,569	10,440	13,680	15,366	11,261	13,830
Water Year Types												
Wet	10,323	13,902	32,816	48,663	53,980	46,051	27,848	12,025	14,178	18,964	12,760	23,423
Above Normal	10,363	10,479	17,695	37,137	49,573	38,885	16,641	11,645	16,364	17,886	12,383	16,467
Below Normal	9,282	9,768	13,726	22,466	24,793	24,009	14,615	10,698	15,036	15,462	10,449	8,146
Dry	8,206	9,271	12,466	14,630	22,280	21,278	11,522	9,423	13,218	12,531	10,162	7,640
Critical	7,552	6,769	9,288	12,838	15,172	12,957	9,428	7,318	9,442	9,884	9,698	7,100

Future - Alternative 4 Minus Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1	-210	-1,242	-204	12	-40	0	0	1	0	1	4
20%	0	-59	-1,077	-1,411	-265	-139	14	0	197	2	0	3
30%	122	-39	-419	-1,531	-1,603	-832	-6	-123	0	39	71	0
40%	41	-15	-228	-1,759	-1,135	-1,435	-1	0	230	157	-8	-1
50%	41	-14	-200	-913	-1,871	-272	0	-123	-5	3	-43	-10
60%	89	-14	-51	-432	-916	-213	0	-27	-98	188	13	88
70%	106	-11	130	-72	-391	-169	0	0	-171	2	13	0
80%	-2	-84	-94	-21	-143	-68	8	0	0	-1	0	0
90%	10	-9	-10	-23	-32	-23	0	0	13	8	-1	-1
Long Term												
Full Simulation Period	36	-114	-373	-610	-628	-318	-2	-19	5	8	-12	6
Water Year Types												
Wet	7	-265	-766	-827	-721	-295	0	-4	0	-1	-27	-3
Above Normal	182	-120	-438	-929	-697	-495	2	0	2	-5	0	2
Below Normal	28	-29	-198	-743	-752	-417	0	-62	74	20	-15	-7
Dry	19	-39	-113	-305	-600	-330	-8	-1	45	8	-7	-13
Critical	0	5	-87	-212	-275	-80	-1	-53	-123	29	5	75

Sacramento River below Fremont Weir

October



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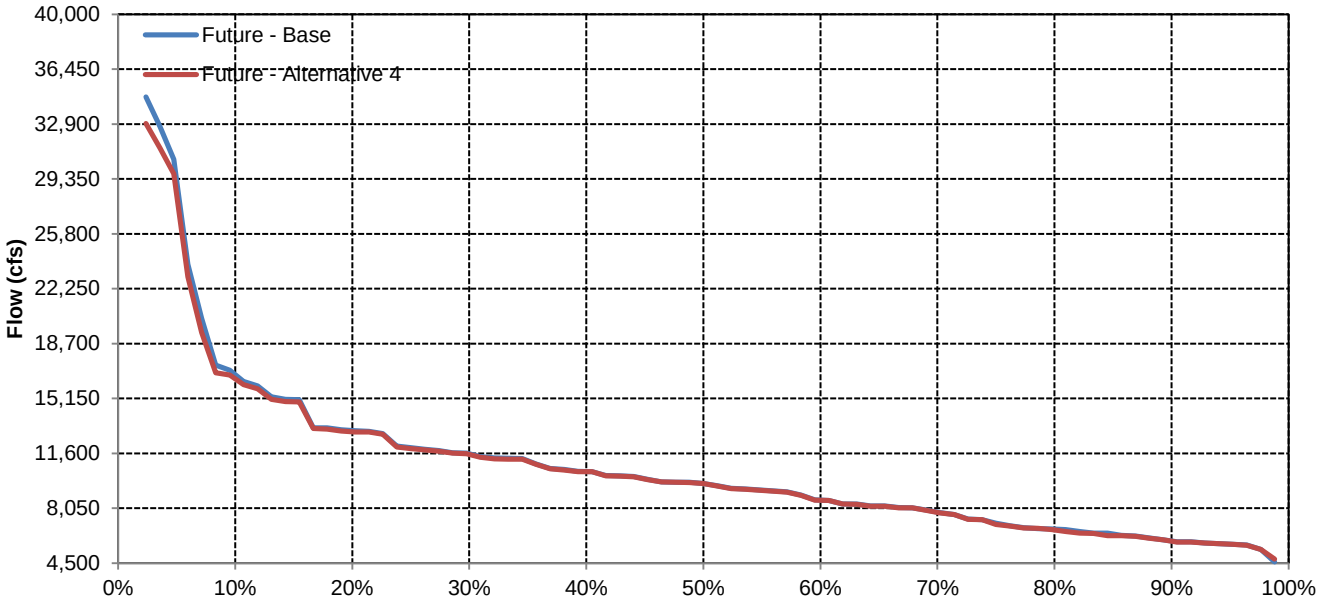
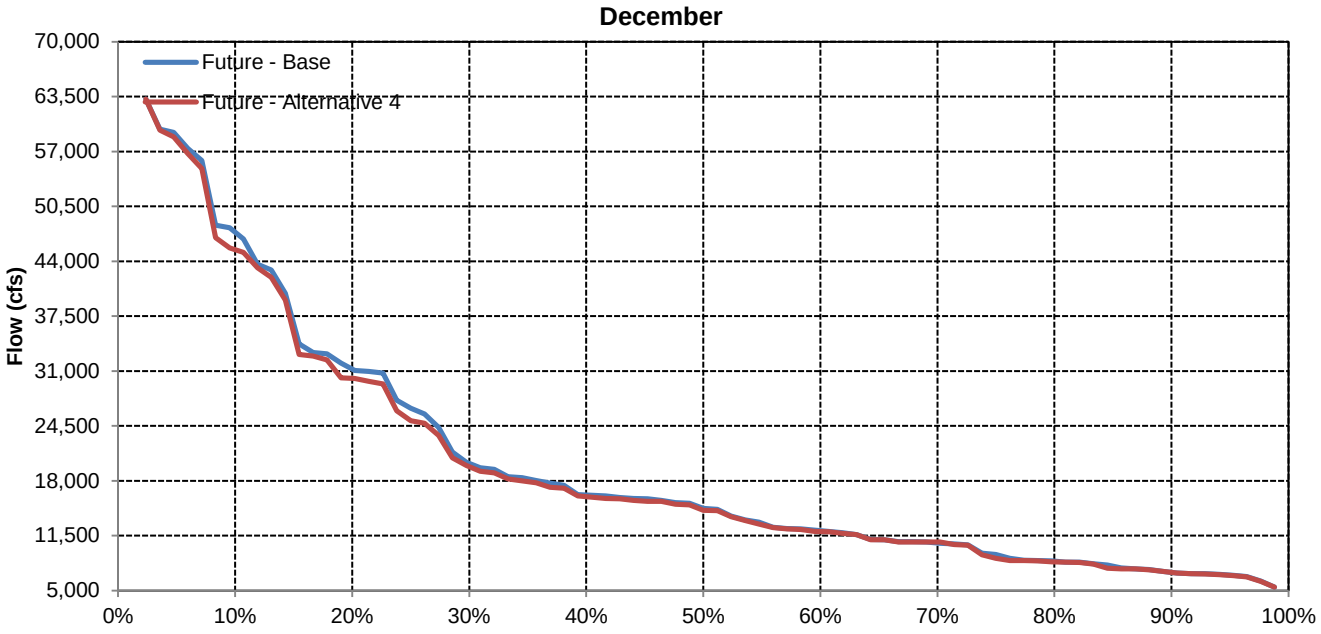
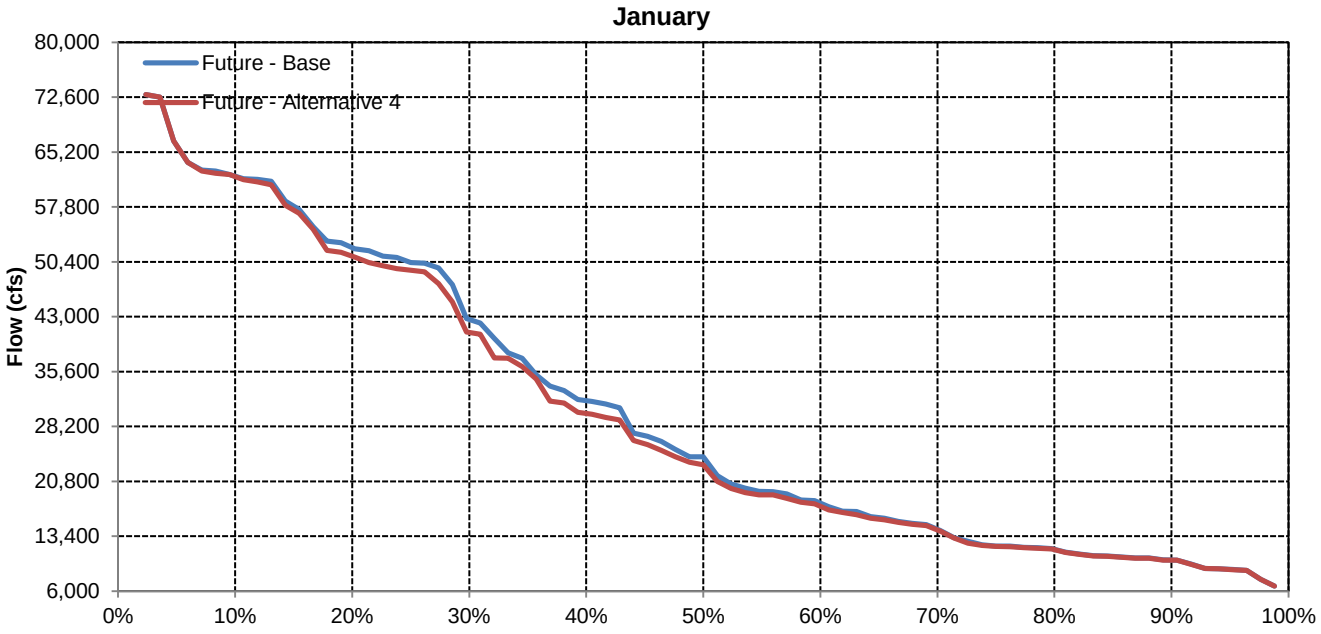
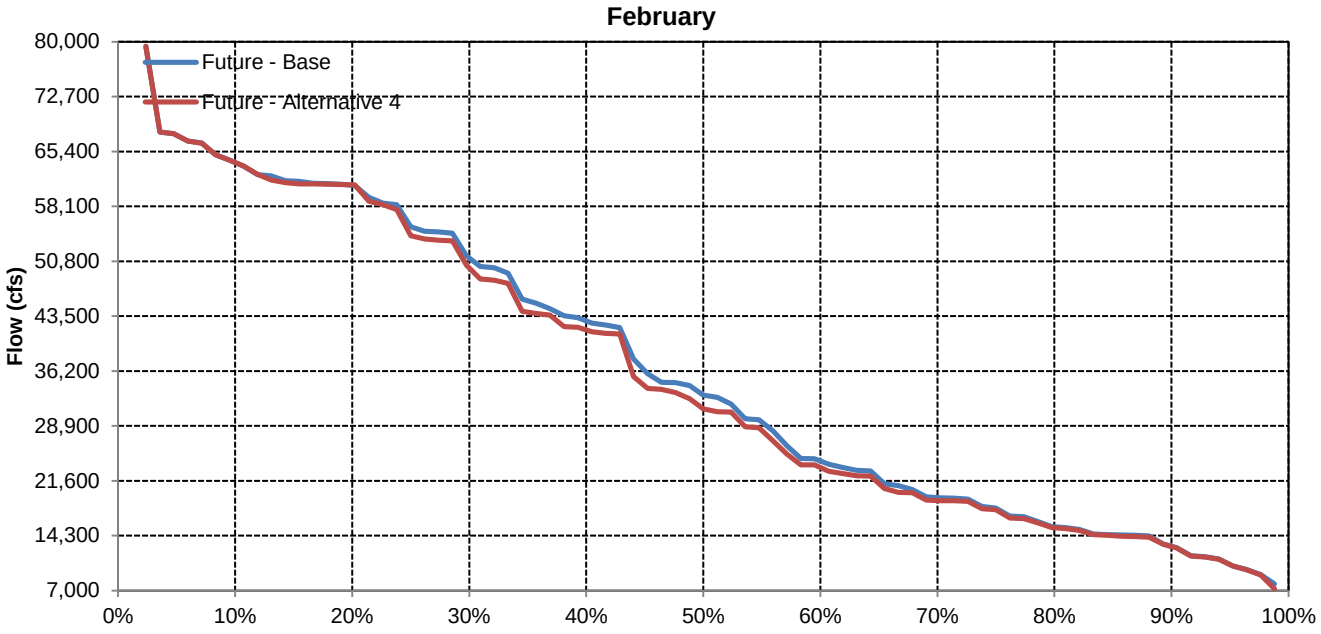


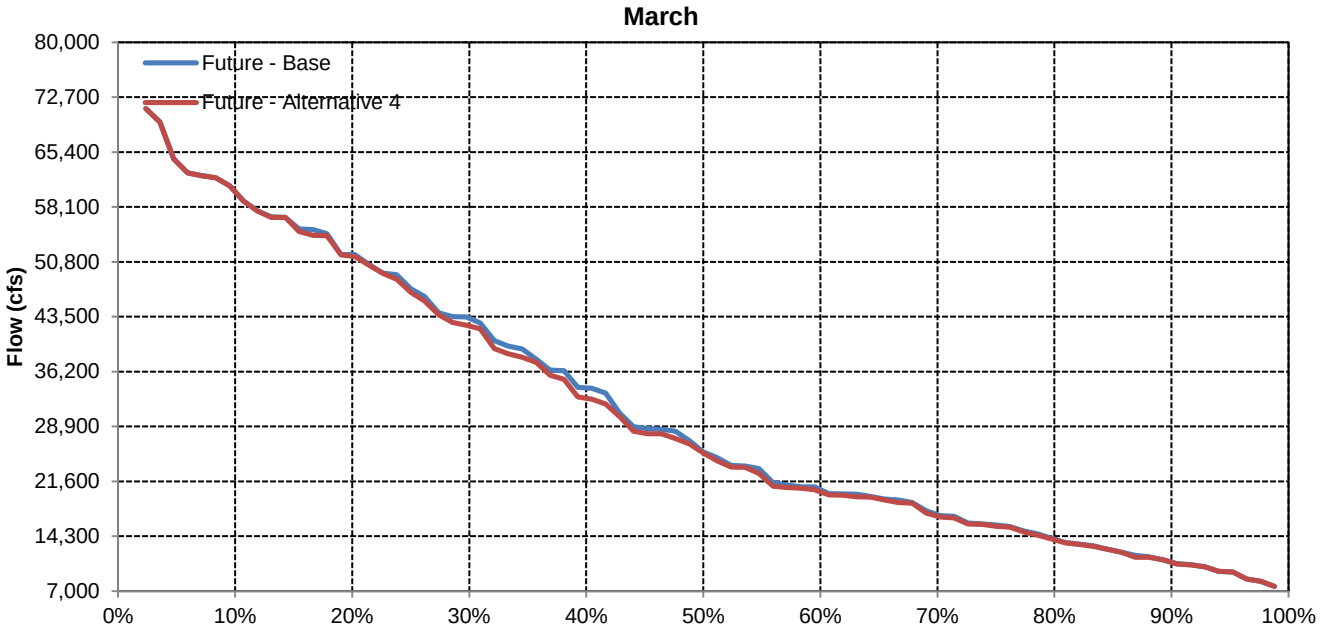
Sacramento River below Fremont Weir



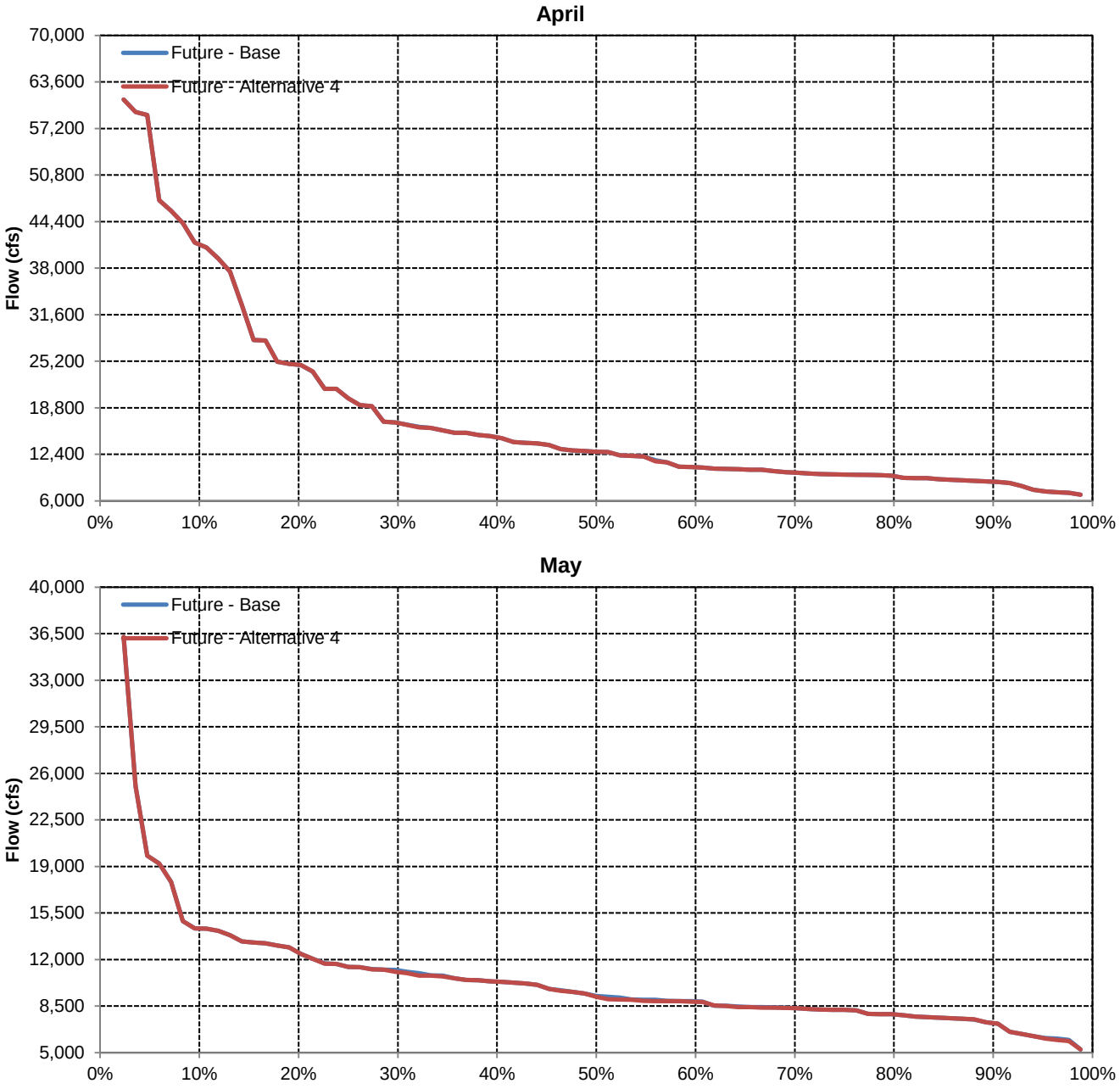


Sacramento River below Fremont Weir

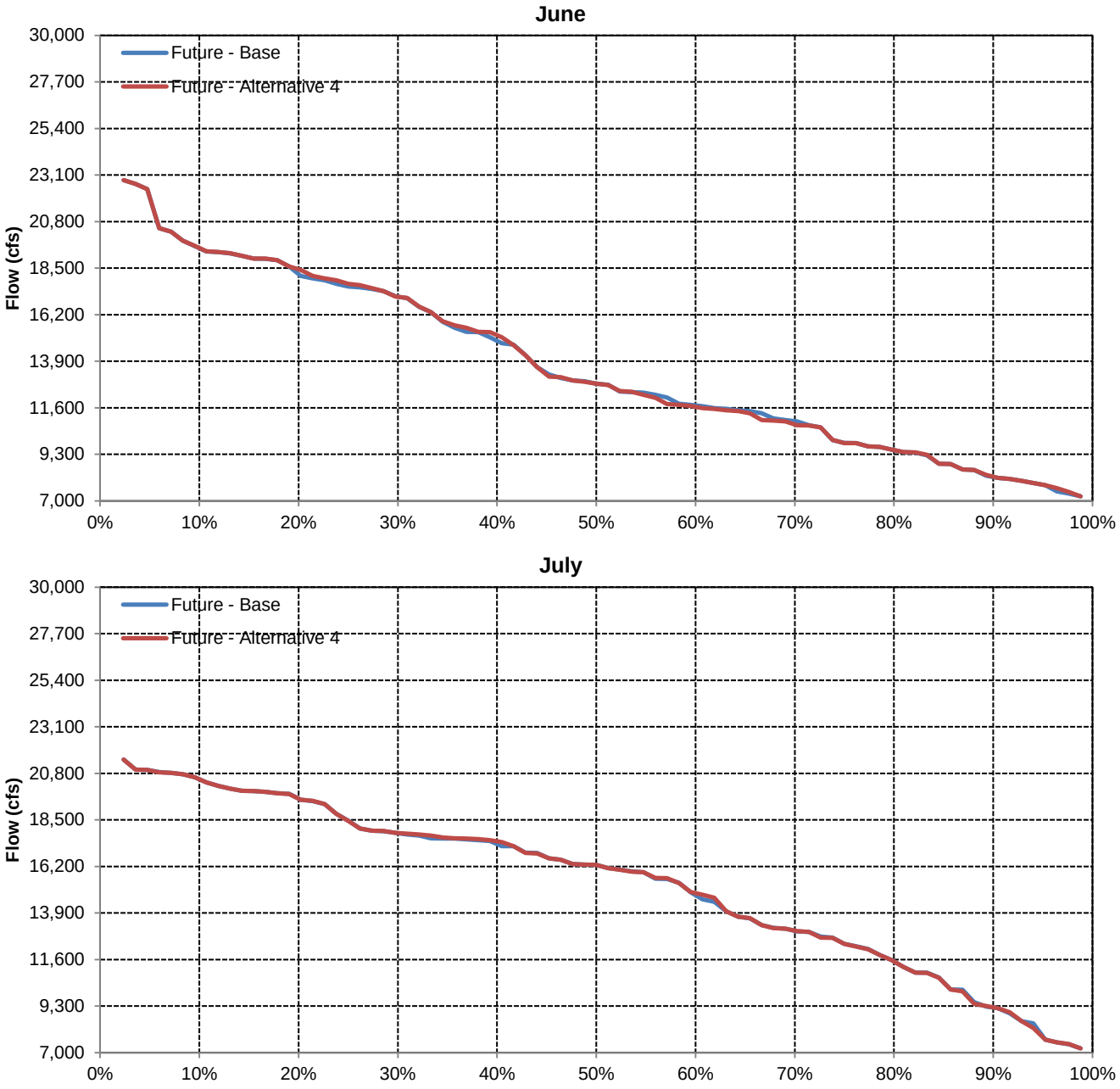




Sacramento River below Fremont Weir

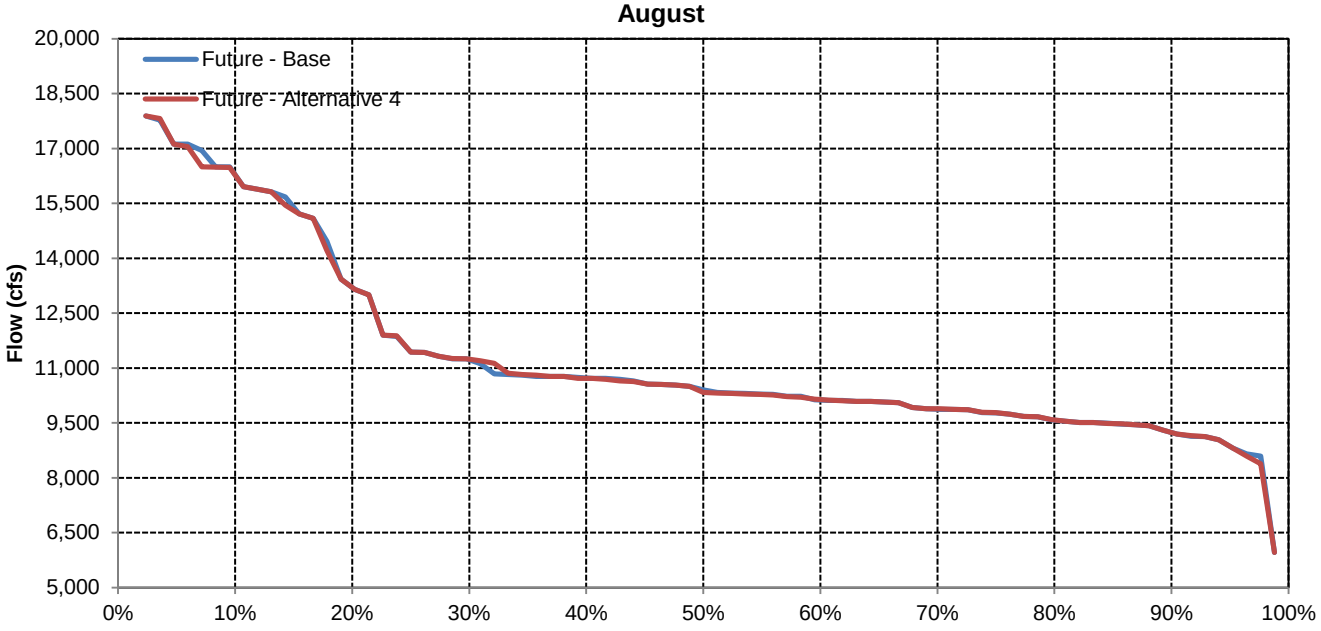


Sacramento River below Fremont Weir



Sacramento River below Fremont Weir

August



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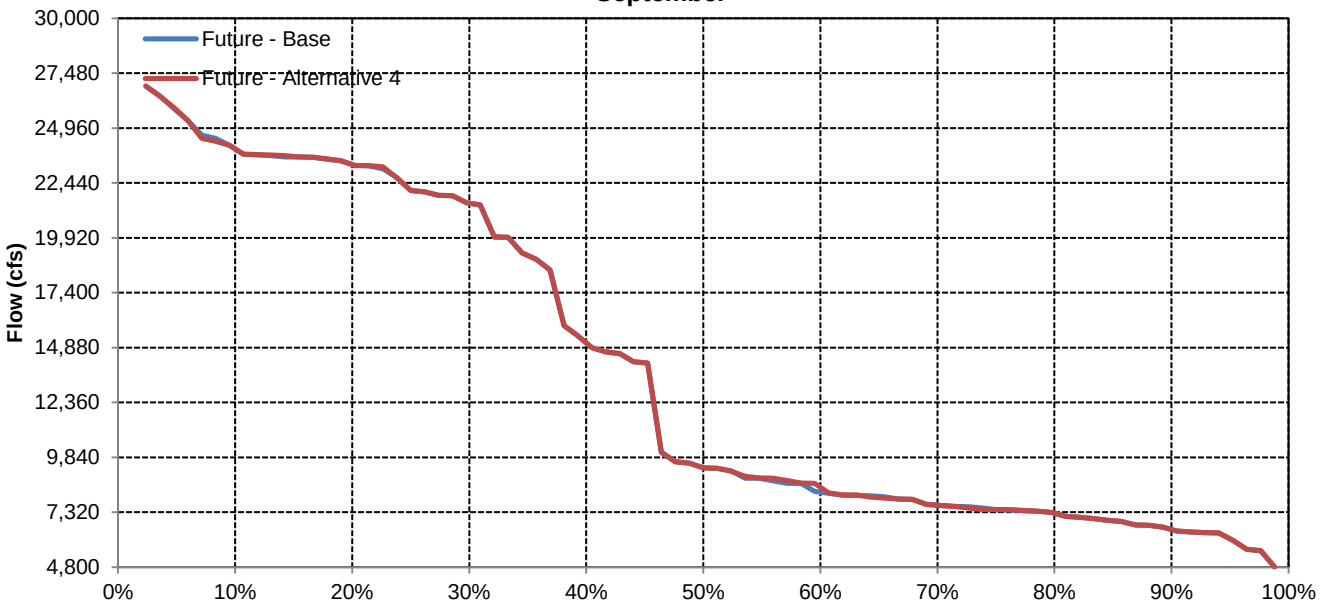


Long-Term and Water Year-Type Average of Trinity Reservoir Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Future - Alternative 4	1,112	1,122	1,233	1,405	1,577	1,713	1,827	1,702	1,583	1,423	1,273	1,161
Difference	1	1	1	1	1	1	1	1	1	1	2	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Future - Alternative 4	1,185	1,226	1,438	1,697	1,907	2,037	2,189	2,064	1,903	1,751	1,605	1,455
Difference	1	0	1	1	1	-1	0	0	0	1	1	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Future - Alternative 4	1,184	1,168	1,279	1,566	1,819	1,995	2,148	1,988	1,877	1,710	1,564	1,433
Difference	0	7	7	7	7	7	7	7	7	7	7	7
Percent Difference	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Future - Alternative 4	1,147	1,147	1,220	1,391	1,538	1,694	1,828	1,709	1,610	1,441	1,283	1,186
Difference	-1	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%
Dry												
Future - Base	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Future - Alternative 4	1,093	1,096	1,150	1,220	1,374	1,527	1,613	1,475	1,359	1,176	1,004	914
Difference	-1	-2	-1	-2	-1	-2	-2	-2	-2	-2	-2	-2
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656
Future - Alternative 4	881	871	902	946	1,016	1,082	1,106	1,027	964	838	721	659
Difference	7	5	4	4	5	5	5	5	4	4	8	4
Percent Difference	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%

Trinity Reservoir

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,479	1,484	1,672	1,900	2,000	2,100	2,298	2,170	1,995	1,863	1,717	1,564
20%	1,385	1,408	1,506	1,818	2,000	2,100	2,233	2,088	1,943	1,791	1,642	1,492
30%	1,303	1,305	1,445	1,638	1,926	2,068	2,167	2,006	1,865	1,697	1,520	1,382
40%	1,248	1,223	1,368	1,593	1,752	1,981	2,113	1,903	1,752	1,562	1,407	1,270
50%	1,152	1,181	1,273	1,421	1,599	1,771	1,933	1,771	1,616	1,443	1,289	1,178
60%	1,079	1,102	1,198	1,304	1,496	1,662	1,745	1,636	1,564	1,378	1,236	1,106
70%	968	957	1,102	1,205	1,371	1,486	1,591	1,531	1,412	1,229	1,083	1,000
80%	775	791	913	1,023	1,256	1,390	1,496	1,376	1,279	1,090	931	846
90%	627	632	678	825	933	1,013	1,056	1,036	957	837	680	625
Long Term												
Full Simulation Period	1,111	1,121	1,232	1,403	1,575	1,712	1,826	1,701	1,582	1,421	1,271	1,160
Water Year Types												
Wet	1,184	1,226	1,437	1,697	1,906	2,037	2,189	2,064	1,903	1,750	1,604	1,455
Above Normal	1,184	1,161	1,273	1,559	1,813	1,988	2,142	1,982	1,871	1,704	1,558	1,426
Below Normal	1,148	1,147	1,220	1,391	1,539	1,694	1,829	1,709	1,610	1,441	1,284	1,186
Dry	1,094	1,097	1,151	1,222	1,376	1,529	1,615	1,477	1,361	1,178	1,006	915
Critical	875	866	898	942	1,012	1,077	1,102	1,022	960	834	714	656

Future - Alternative 4

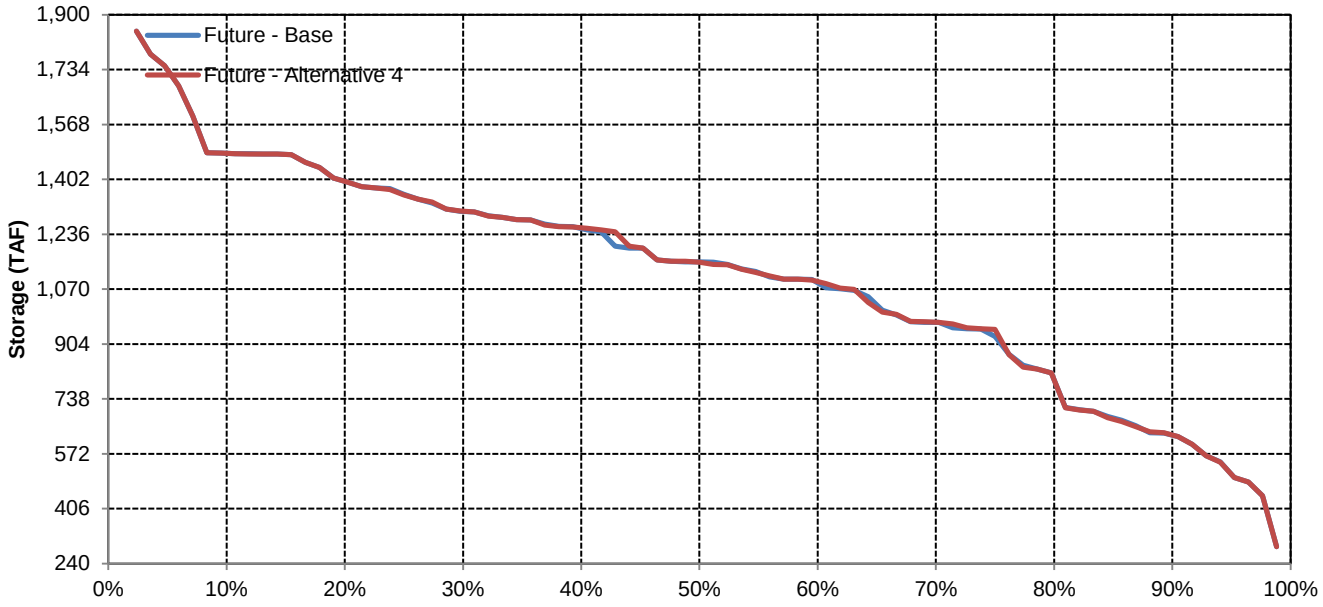
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,479	1,484	1,672	1,900	2,000	2,100	2,298	2,170	1,995	1,863	1,717	1,564
20%	1,385	1,408	1,506	1,817	2,000	2,100	2,233	2,088	1,940	1,791	1,642	1,492
30%	1,303	1,300	1,447	1,637	1,926	2,068	2,167	2,006	1,865	1,697	1,520	1,382
40%	1,253	1,239	1,368	1,592	1,752	1,980	2,112	1,903	1,753	1,562	1,412	1,299
50%	1,148	1,180	1,275	1,421	1,596	1,772	1,934	1,770	1,615	1,443	1,288	1,178
60%	1,089	1,101	1,197	1,306	1,494	1,660	1,746	1,630	1,549	1,385	1,234	1,108
70%	969	969	1,100	1,203	1,364	1,532	1,590	1,531	1,412	1,230	1,084	1,002
80%	774	790	910	1,021	1,257	1,390	1,526	1,390	1,278	1,090	929	846
90%	628	632	682	845	936	1,013	1,061	1,042	960	837	680	625
Long Term												
Full Simulation Period	1,112	1,122	1,233	1,405	1,577	1,713	1,827	1,702	1,583	1,423	1,273	1,161
Water Year Types												
Wet	1,185	1,226	1,438	1,697	1,907	2,037	2,189	2,064	1,903	1,751	1,605	1,455
Above Normal	1,184	1,168	1,279	1,566	1,819	1,995	2,148	1,988	1,877	1,710	1,564	1,433
Below Normal	1,147	1,147	1,220	1,391	1,538	1,694	1,828	1,709	1,610	1,441	1,283	1,186
Dry	1,093	1,096	1,150	1,220	1,374	1,527	1,613	1,475	1,359	1,176	1,004	914
Critical	881	871	902	946	1,016	1,082	1,106	1,027	964	838	721	659

Future - Alternative 4 Minus Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	-1	0	0	0	0	0	0	-3	0	0	0
30%	0	-5	2	-1	0	0	0	0	-1	0	0	0
40%	5	16	0	-1	-1	0	-1	0	0	0	5	28
50%	-4	0	2	0	-3	1	0	-1	0	0	-1	-1
60%	10	-1	-1	1	-2	-1	1	-6	-15	6	-2	1
70%	1	12	-2	-1	-7	46	-1	0	0	1	1	2
80%	0	0	-2	-2	1	0	30	14	-1	0	-2	1
90%	0	0	3	20	2	0	5	5	2	0	0	0
Long Term												
Full Simulation Period	1	1	1	1	1	1	1	1	1	1	2	1
Water Year Types												
Wet	1	0	1	1	1	-1	0	0	0	1	1	0
Above Normal	0	7	7	7	7	7	7	7	7	7	7	7
Below Normal	-1	0	0	0	0	0	0	0	0	0	0	0
Dry	-1	-2	-1	-2	-1	-2	-2	-2	-2	-2	-2	-2
Critical	7	5	4	4	5	5	5	5	4	4	8	4

Trinity Reservoir

October



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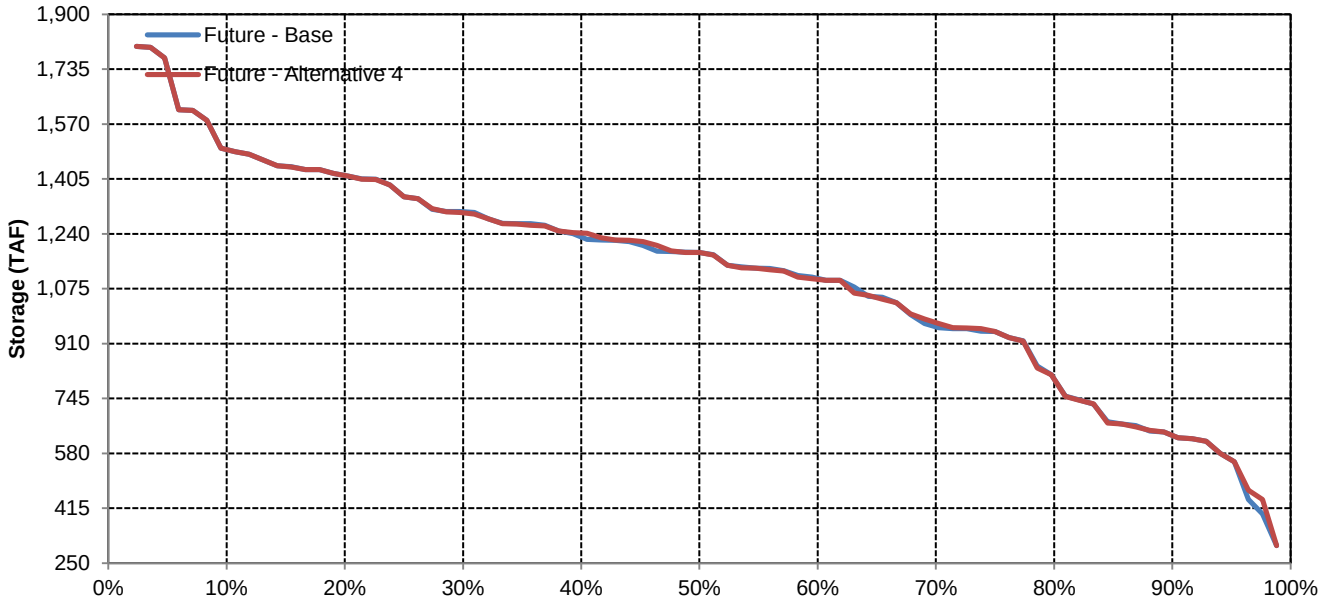

Trinity Reservoir

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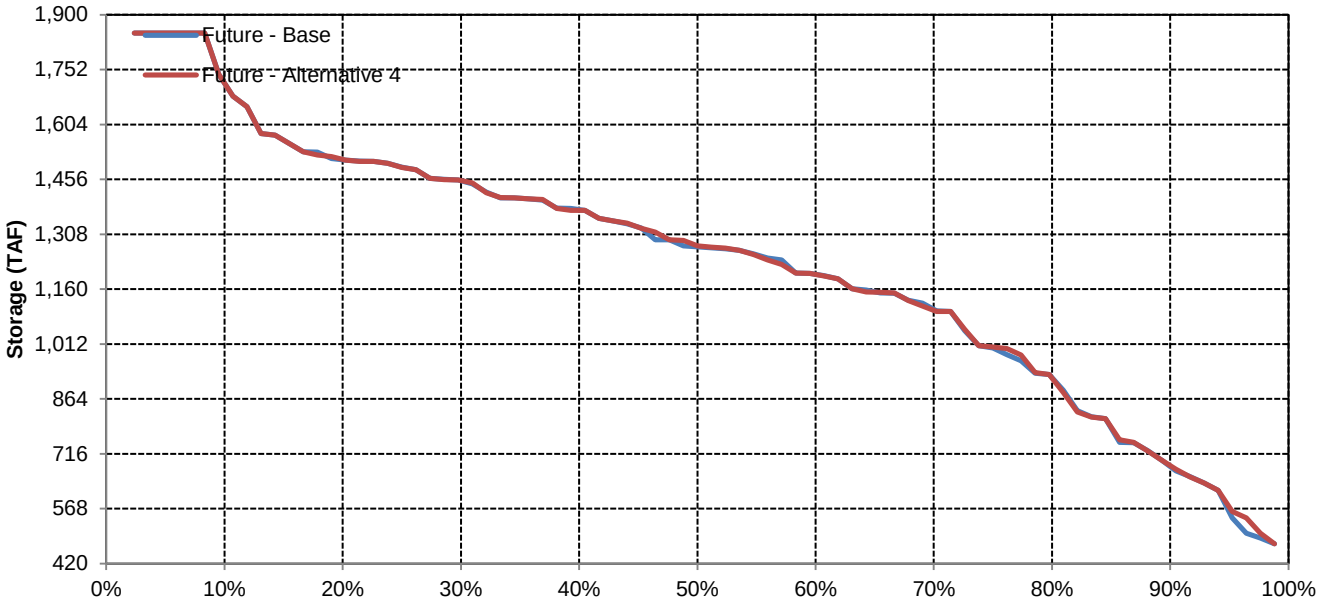

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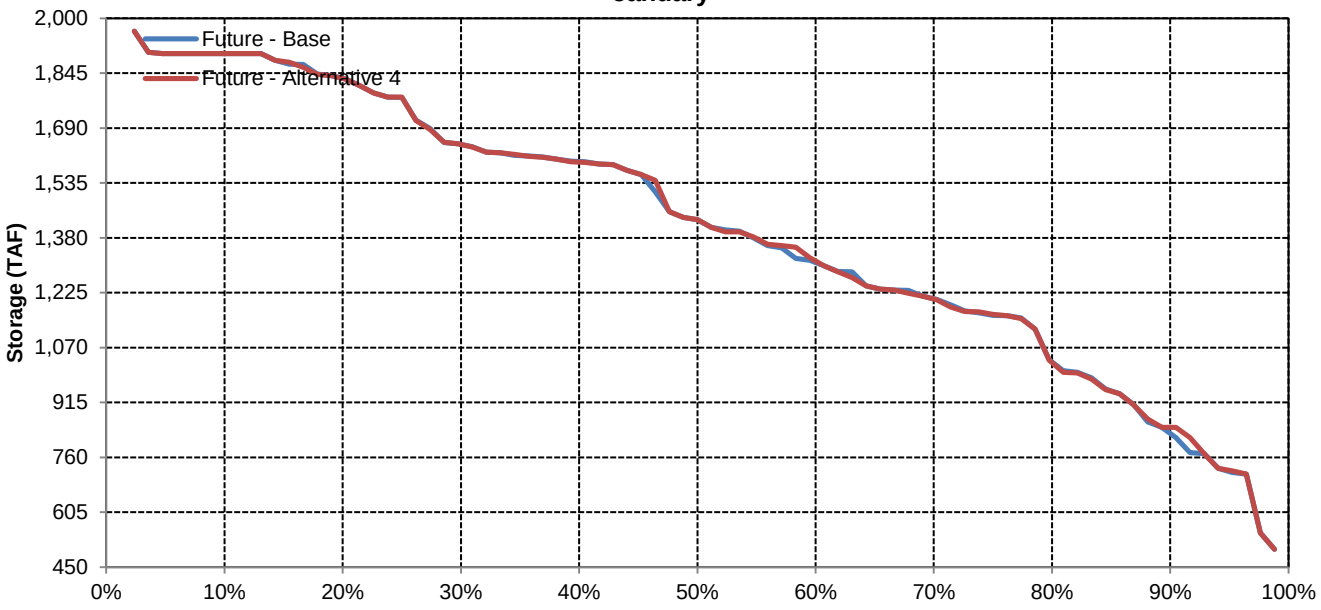
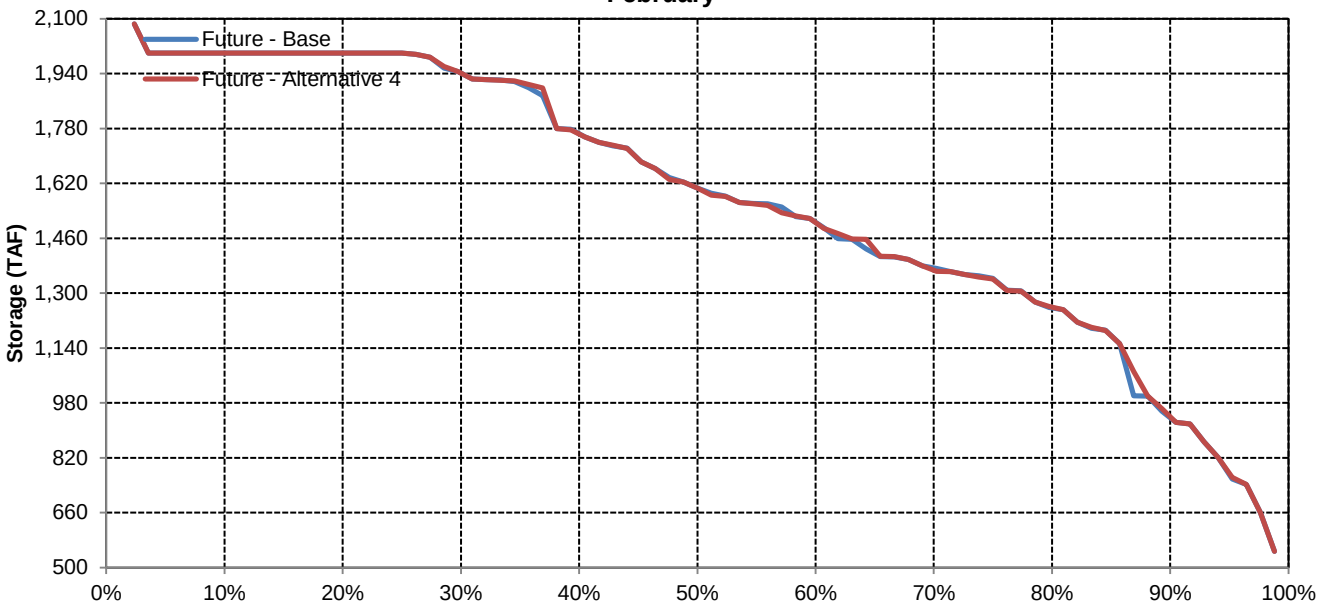


Trinity Reservoir

February



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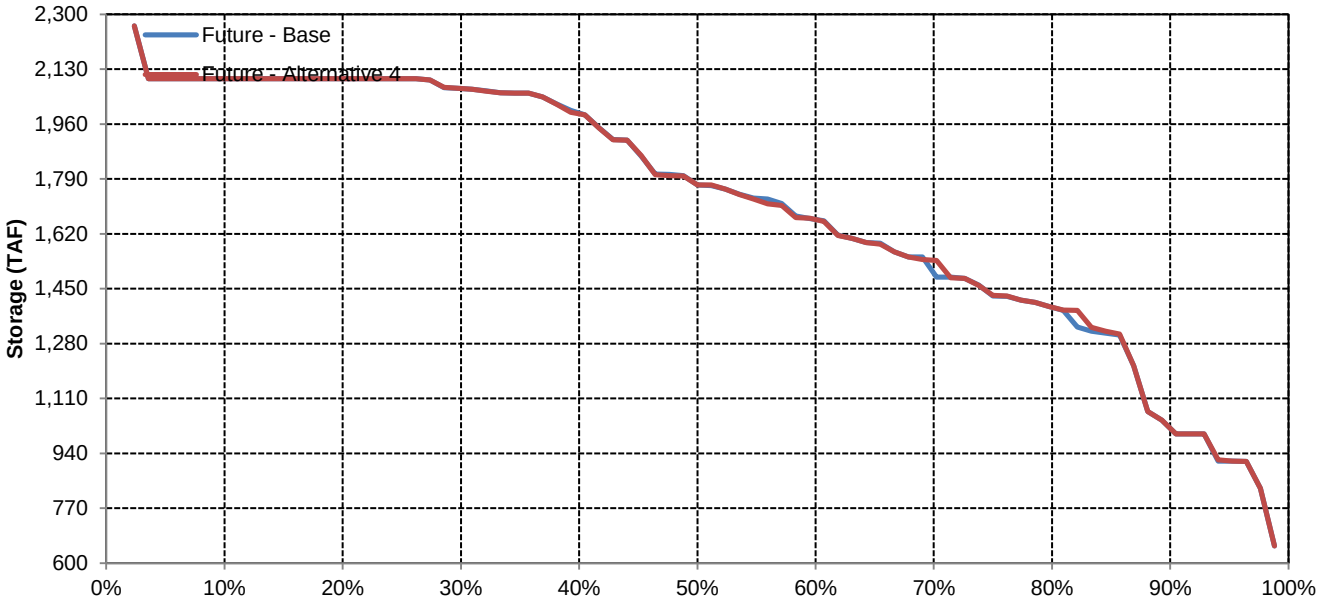
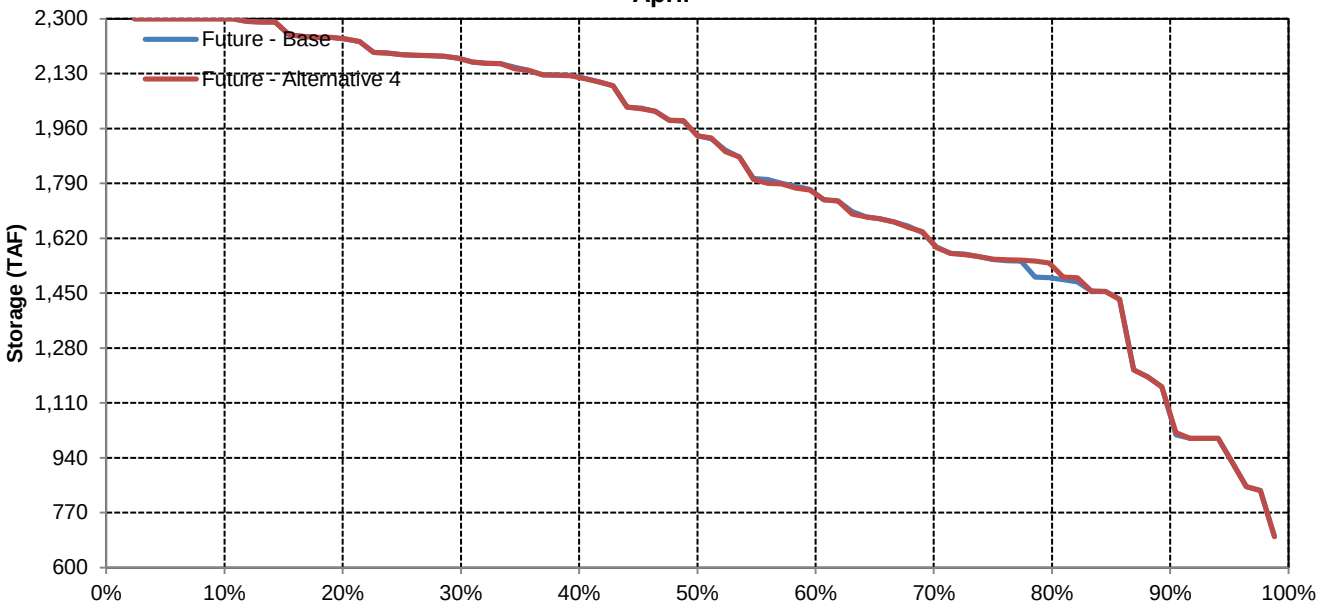


Trinity Reservoir

April



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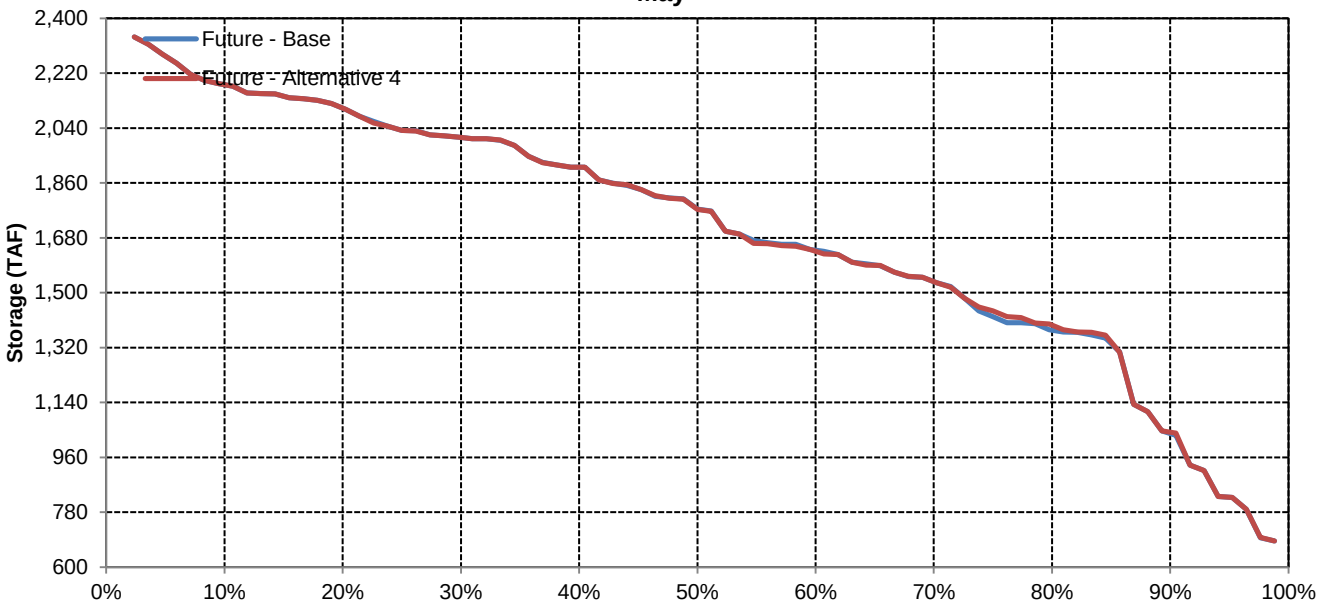
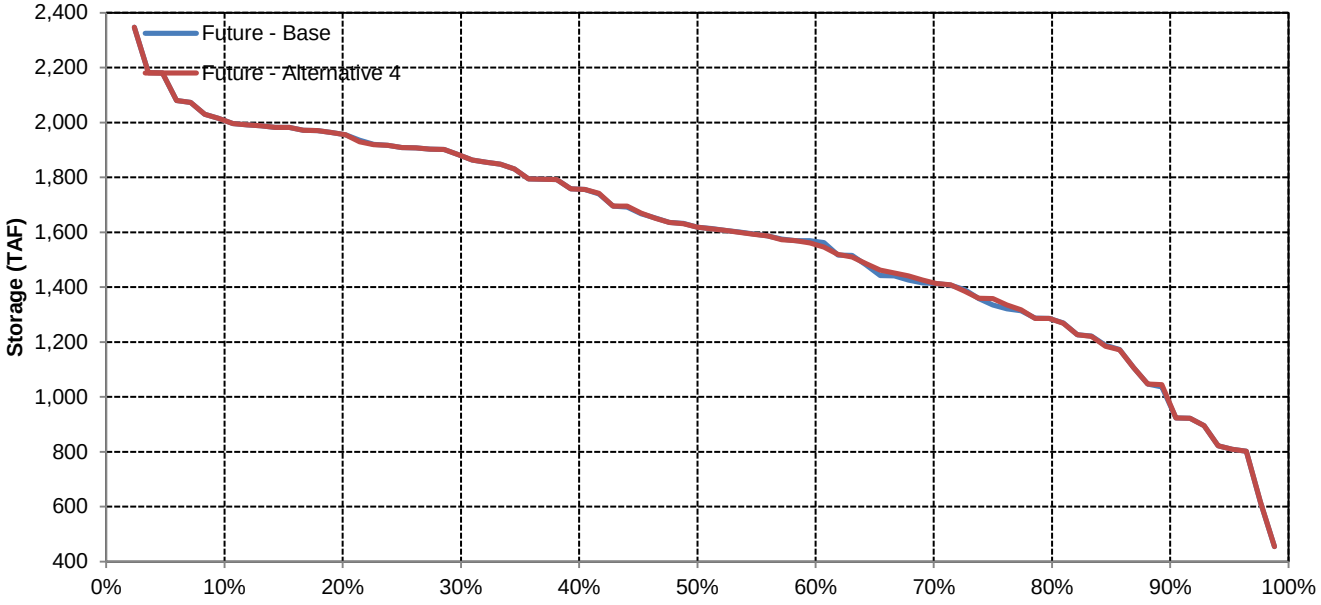


Trinity Reservoir

June



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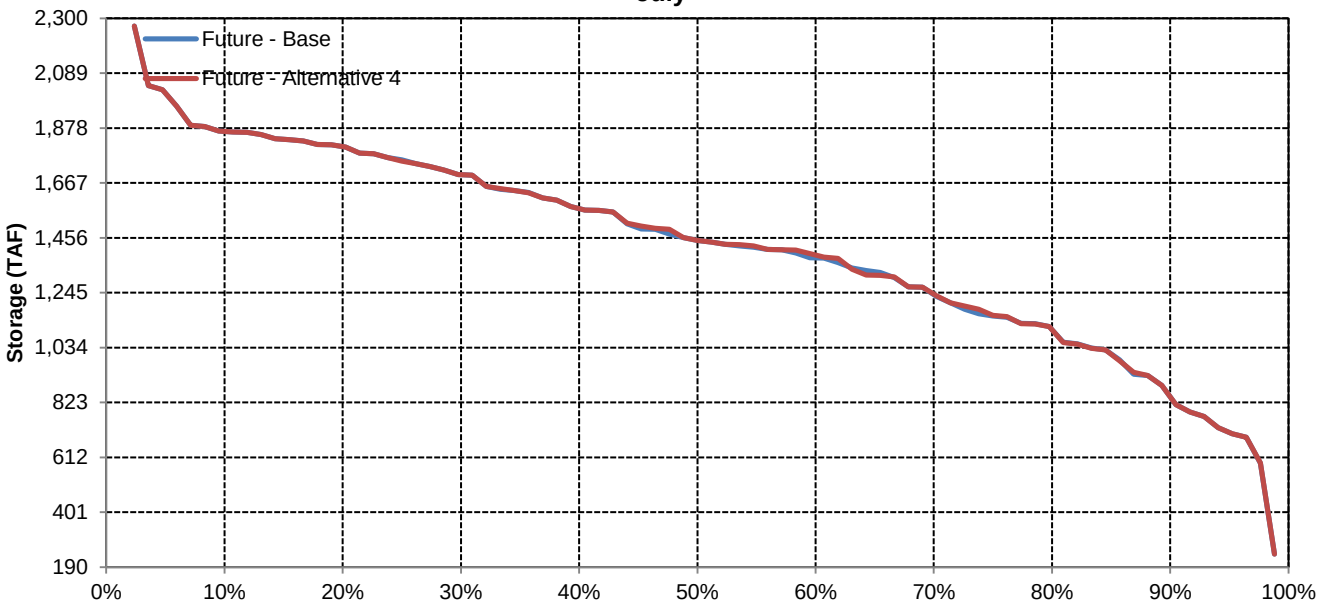
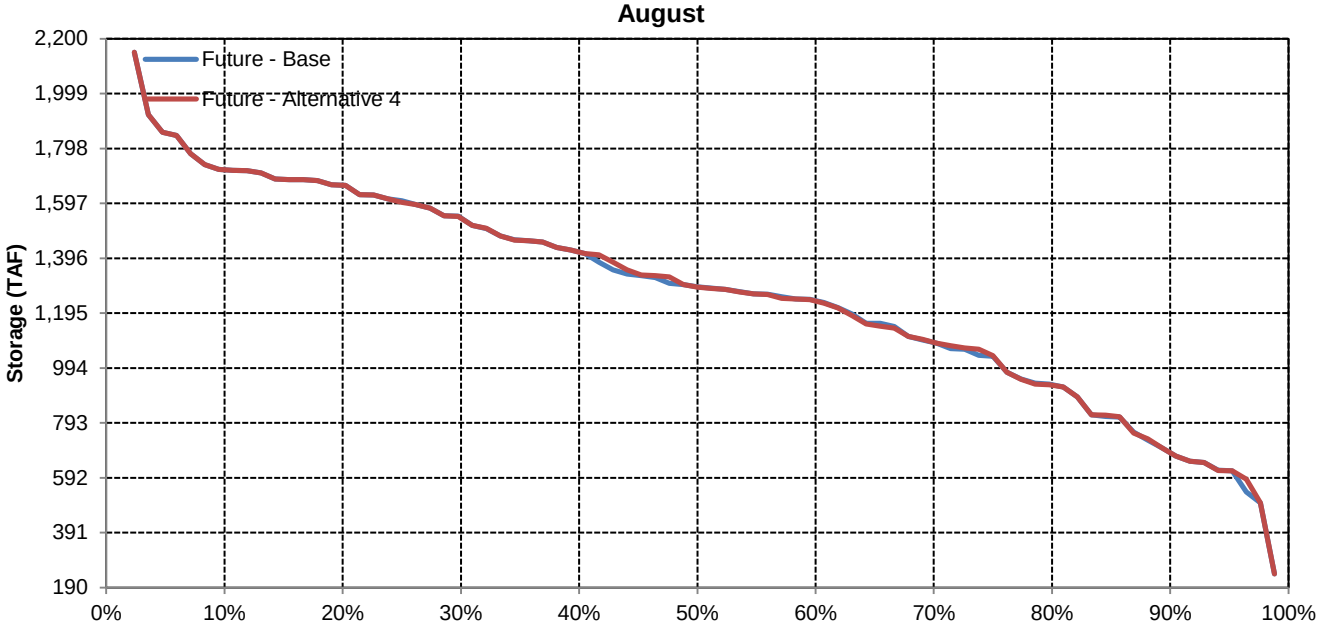
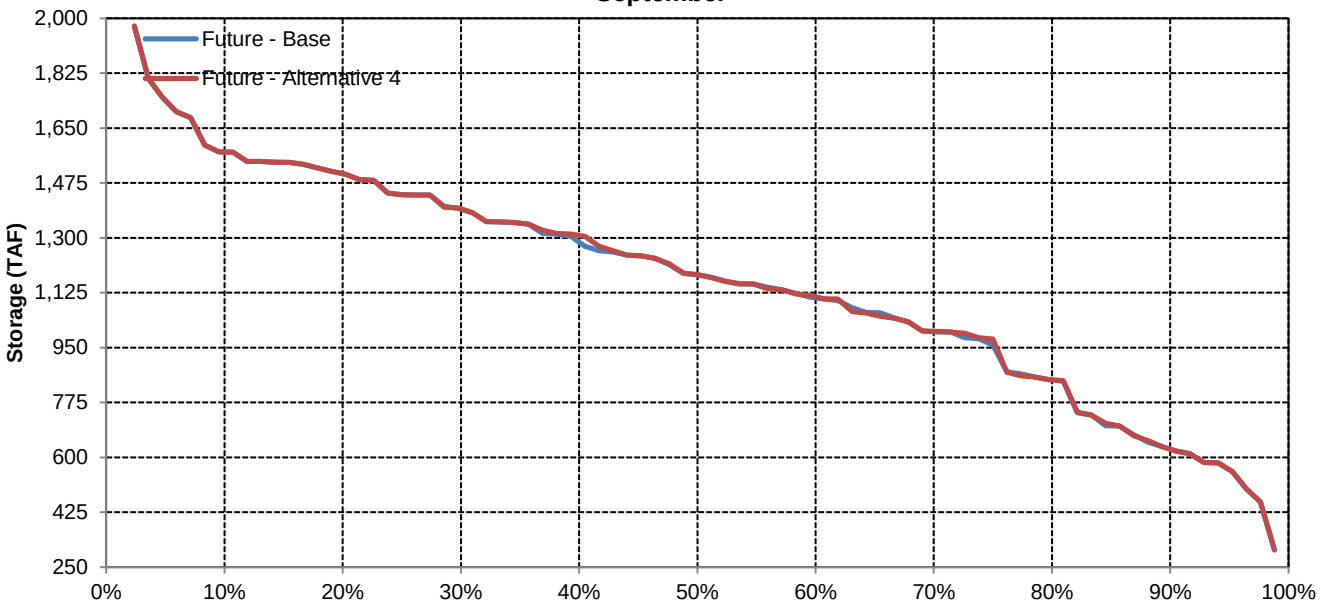


Trinity Reservoir

August



September



Long-Term and Water Year-Type Average of Shasta Reservoir Storage Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Future - Alternative 4	2,224	2,277	2,586	2,960	3,277	3,633	3,825	3,713	3,231	2,717	2,459	2,291
Difference	-1	-1	0	0	0	0	0	1	1	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Future - Alternative 4	2,395	2,480	2,990	3,394	3,578	3,842	4,228	4,235	3,803	3,241	2,993	2,525
Difference	-1	0	0	0	0	0	0	0	0	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Future - Alternative 4	2,326	2,391	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Difference	-5	-6	0	0	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Future - Alternative 4	2,274	2,333	2,490	3,018	3,412	3,836	4,072	3,948	3,394	2,897	2,672	2,741
Difference	0	0	0	0	0	0	0	-1	-3	-4	-3	-2
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Future - Alternative 4	2,102	2,168	2,415	2,658	3,187	3,592	3,617	3,403	2,900	2,448	2,181	2,203
Difference	-2	-1	-2	-2	-2	-1	-1	0	1	-1	-2	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067
Future - Alternative 4	1,908	1,856	1,968	2,174	2,389	2,636	2,523	2,316	1,863	1,404	1,103	1,075
Difference	3	5	3	3	3	5	4	6	9	10	9	8
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%

Shasta Reservoir Storage

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,037	3,187	3,321	3,635	3,916	4,241	4,482	4,552	4,171	3,512	3,194	2,972
20%	2,810	2,927	3,266	3,539	3,777	4,102	4,372	4,324	3,882	3,302	3,029	2,858
30%	2,671	2,735	3,191	3,403	3,662	4,022	4,251	4,224	3,719	3,170	2,942	2,679
40%	2,416	2,533	2,985	3,335	3,537	3,963	4,176	4,142	3,568	3,039	2,823	2,536
50%	2,317	2,324	2,754	3,252	3,445	3,839	4,109	3,953	3,350	2,880	2,669	2,439
60%	2,245	2,200	2,545	2,973	3,289	3,597	4,009	3,839	3,203	2,755	2,499	2,338
70%	2,020	2,057	2,269	2,767	3,252	3,417	3,756	3,608	3,154	2,594	2,360	2,110
80%	1,757	1,817	2,045	2,429	2,913	3,266	3,216	2,997	2,618	2,141	1,806	1,824
90%	884	1,011	1,336	1,917	2,378	2,633	2,534	2,407	1,951	1,420	978	956
Long Term												
Full Simulation Period	2,225	2,278	2,586	2,961	3,277	3,633	3,825	3,712	3,230	2,717	2,459	2,291
Water Year Types												
Wet	2,396	2,480	2,989	3,394	3,578	3,842	4,228	4,235	3,803	3,242	2,994	2,526
Above Normal	2,332	2,398	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Below Normal	2,275	2,333	2,490	3,019	3,412	3,836	4,073	3,949	3,396	2,900	2,674	2,743
Dry	2,104	2,169	2,417	2,659	3,189	3,593	3,618	3,403	2,899	2,449	2,182	2,205
Critical	1,906	1,851	1,965	2,171	2,385	2,631	2,519	2,310	1,855	1,394	1,094	1,067

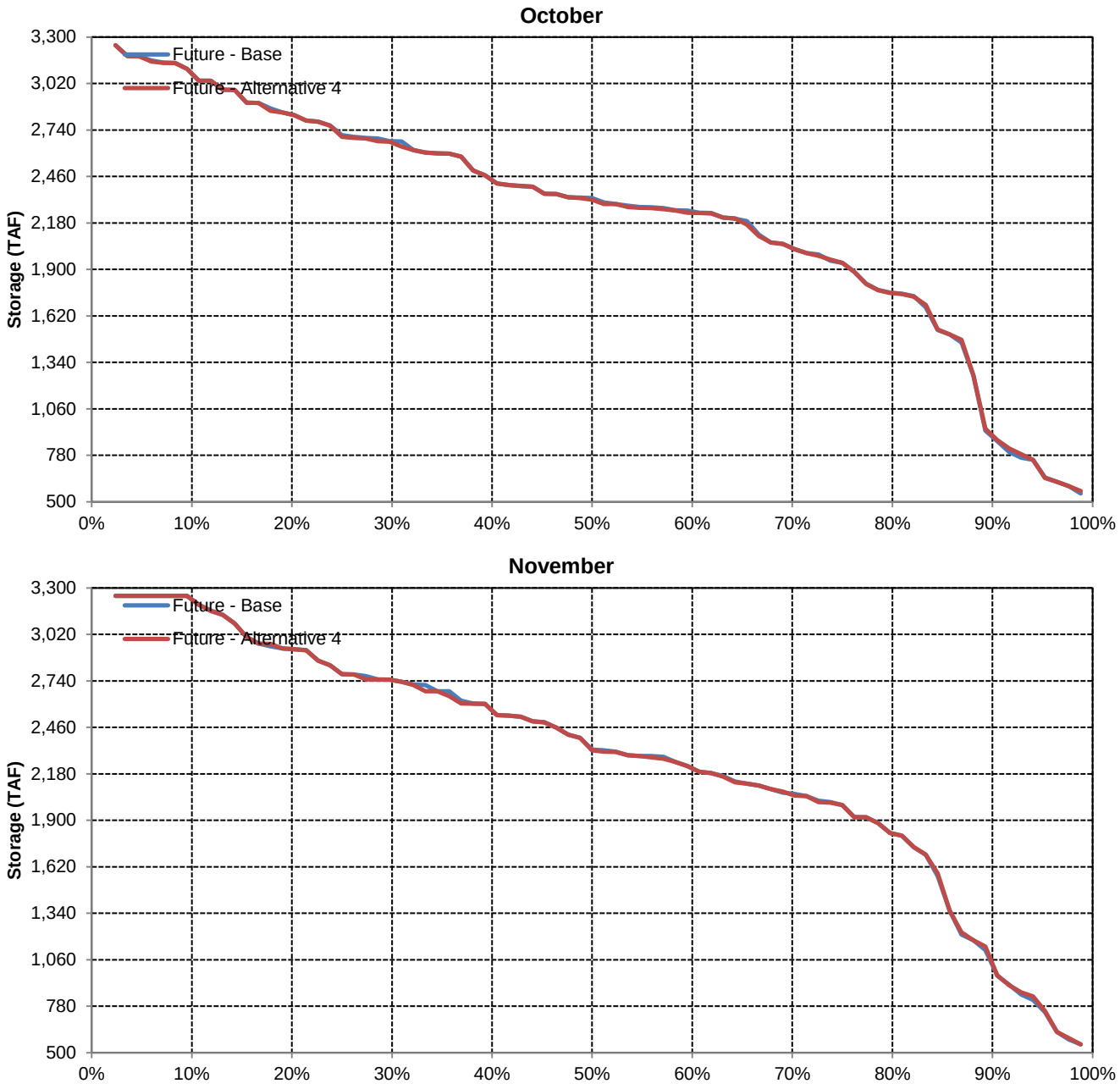
Future - Alternative 4

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,037	3,186	3,321	3,635	3,916	4,241	4,487	4,552	4,171	3,512	3,194	2,972
20%	2,810	2,927	3,266	3,539	3,777	4,102	4,372	4,324	3,882	3,302	3,029	2,858
30%	2,642	2,736	3,205	3,403	3,662	4,012	4,251	4,224	3,719	3,170	2,943	2,679
40%	2,416	2,533	2,980	3,335	3,535	3,965	4,176	4,148	3,568	3,027	2,823	2,535
50%	2,306	2,317	2,755	3,252	3,445	3,839	4,109	3,953	3,350	2,880	2,669	2,439
60%	2,241	2,200	2,543	2,973	3,283	3,597	4,009	3,836	3,202	2,753	2,499	2,338
70%	2,019	2,049	2,267	2,761	3,252	3,417	3,757	3,599	3,158	2,573	2,355	2,126
80%	1,756	1,817	2,037	2,428	2,913	3,258	3,215	2,992	2,612	2,141	1,811	1,823
90%	893	1,017	1,357	1,939	2,377	2,632	2,542	2,415	1,960	1,425	987	965
Long Term												
Full Simulation Period	2,224	2,277	2,586	2,960	3,277	3,633	3,825	3,713	3,231	2,717	2,459	2,291
Water Year Types												
Wet	2,395	2,480	2,990	3,394	3,578	3,842	4,228	4,235	3,803	3,241	2,993	2,525
Above Normal	2,326	2,391	2,734	3,276	3,538	4,067	4,380	4,287	3,779	3,188	2,931	2,693
Below Normal	2,274	2,333	2,490	3,018	3,412	3,836	4,072	3,948	3,394	2,897	2,672	2,741
Dry	2,102	2,168	2,415	2,658	3,187	3,592	3,617	3,403	2,900	2,448	2,181	2,203
Critical	1,908	1,856	1,968	2,174	2,389	2,636	2,523	2,316	1,863	1,404	1,103	1,075

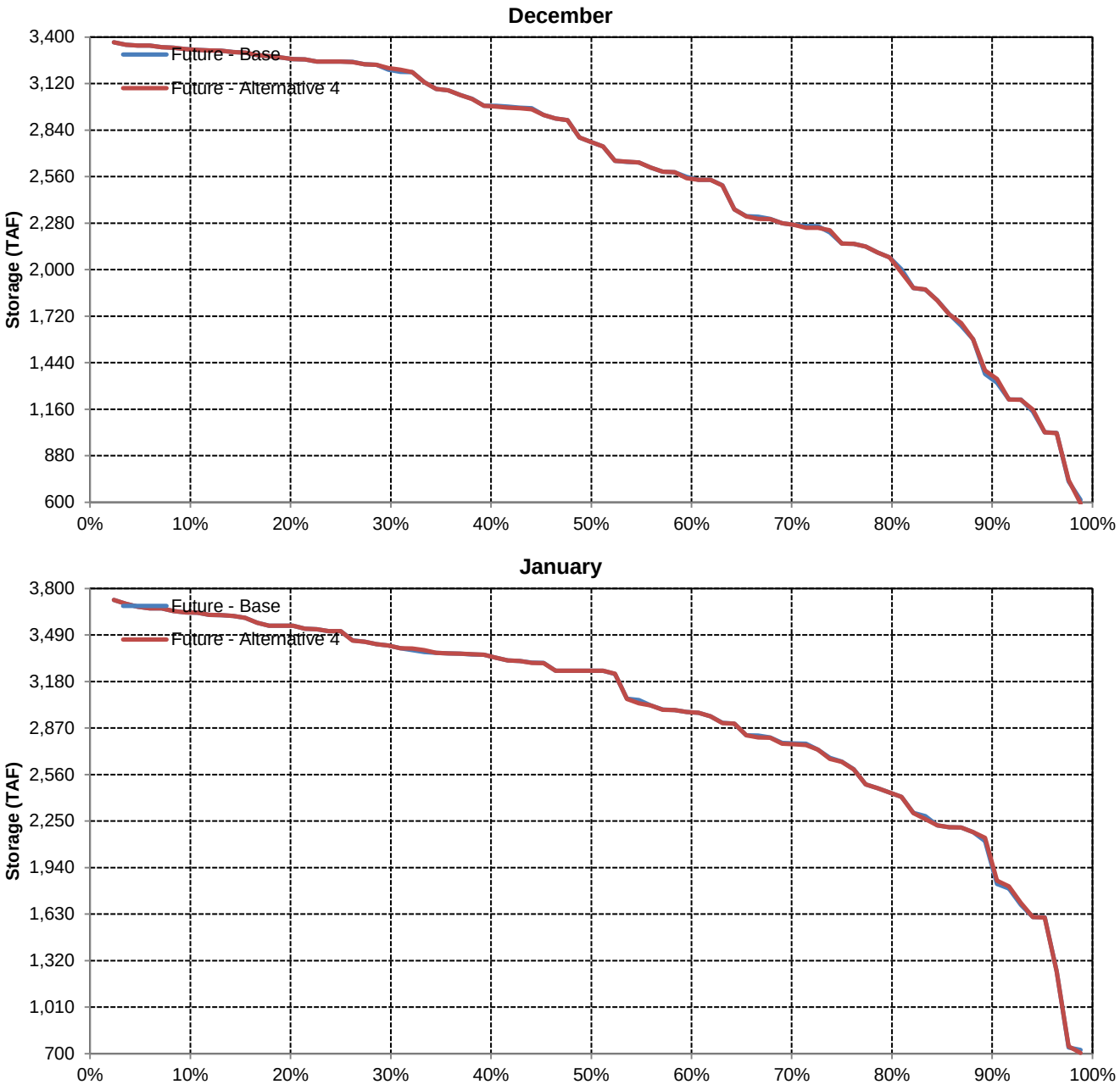
Future - Alternative 4 Minus Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	-1	0	0	0	0	5	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	-29	0	13	0	0	-11	0	0	0	0	0	0
40%	0	0	-6	0	-2	2	0	6	0	-12	0	0
50%	-10	-6	0	0	0	0	0	0	0	0	0	0
60%	-4	0	-1	0	-6	0	0	-3	-1	-2	0	0
70%	-2	-8	-2	-6	0	0	1	-9	4	-21	-5	17
80%	-1	0	-8	0	0	-8	-1	-5	-6	-1	5	-1
90%	9	6	22	22	-1	-1	8	8	9	5	9	9
Long Term												
Full Simulation Period	-1	-1	0	0	0	0	0	1	1	0	0	0
Water Year Types												
Wet	-1	0	0	0	0	0	0	0	0	-1	-1	-1
Above Normal	-5	-6	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	-1	-3	-4	-3	-2
Dry	-2	-1	-2	-2	-2	-1	-1	0	1	-1	-2	-1
Critical	3	5	3	3	3	5	4	6	9	10	9	8

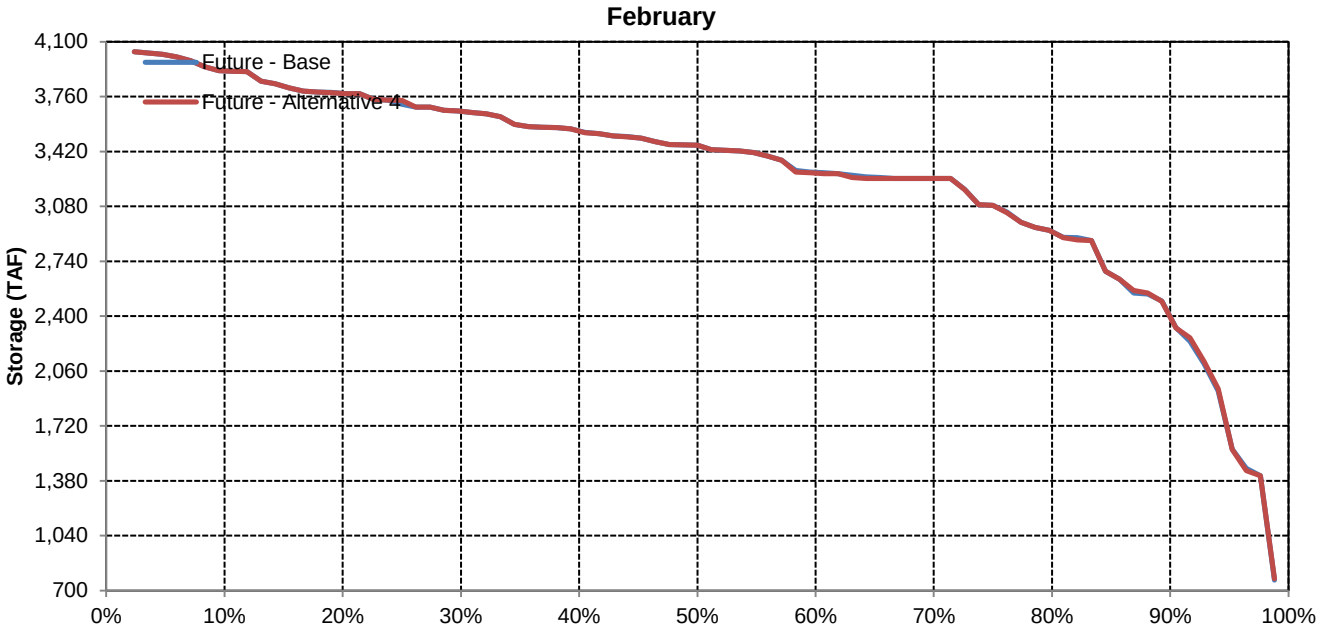
Shasta Reservoir Storage

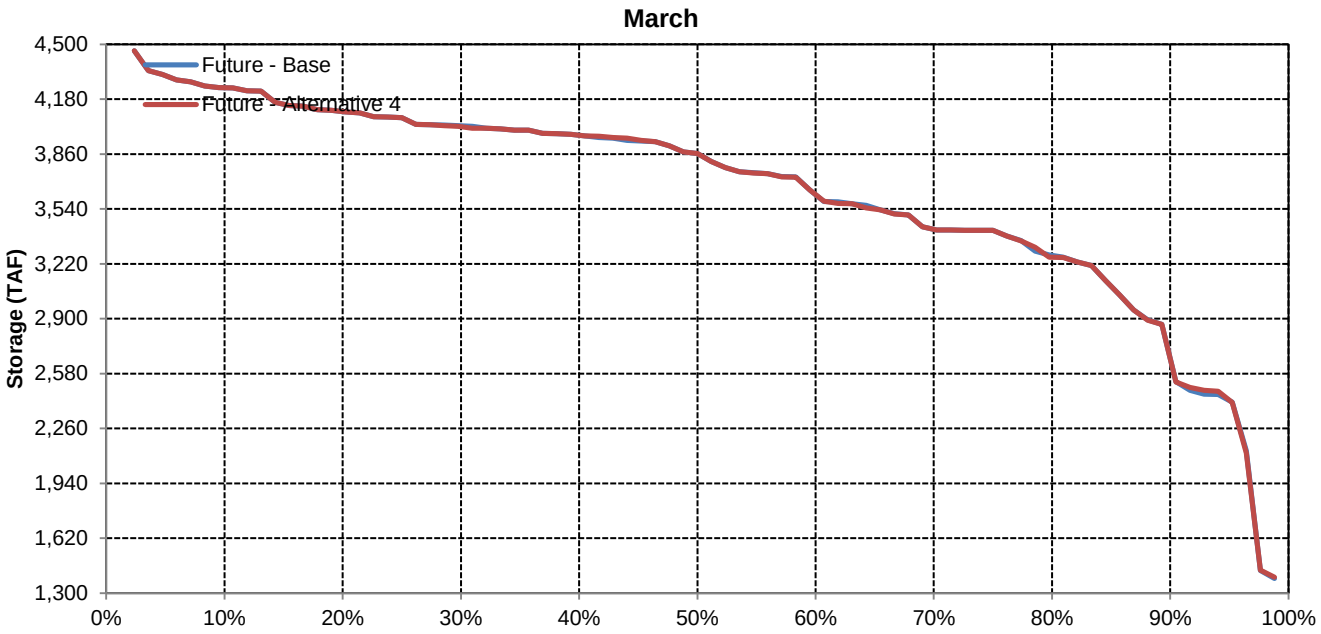


Shasta Reservoir Storage



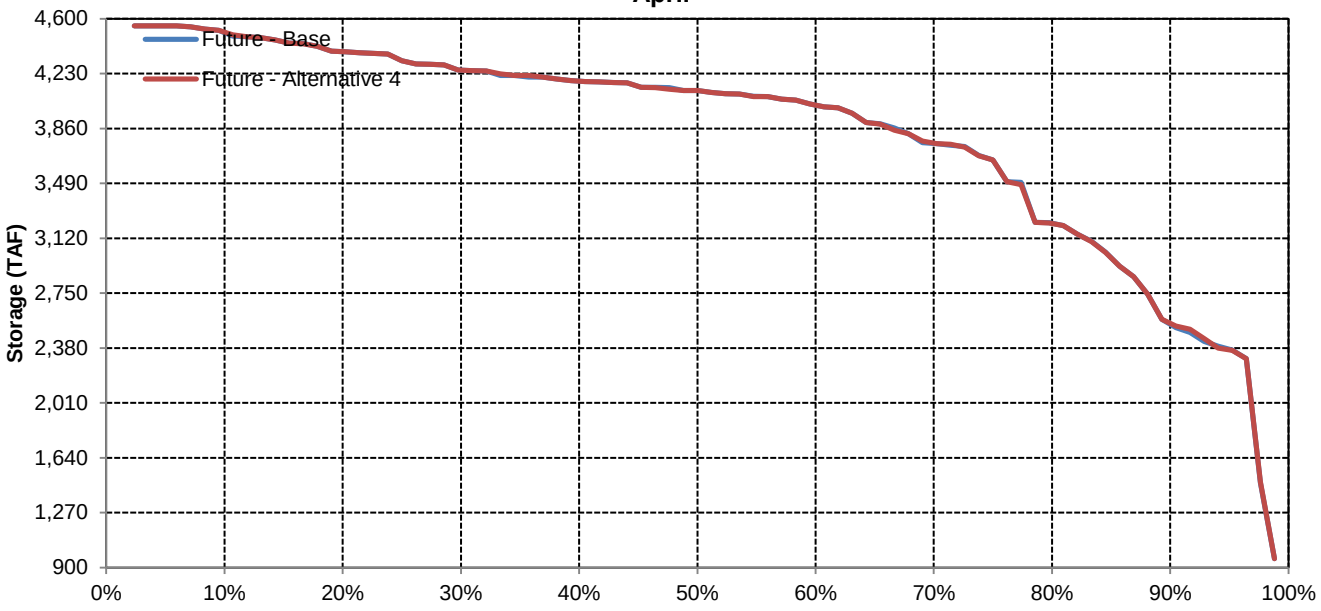
Shasta Reservoir Storage



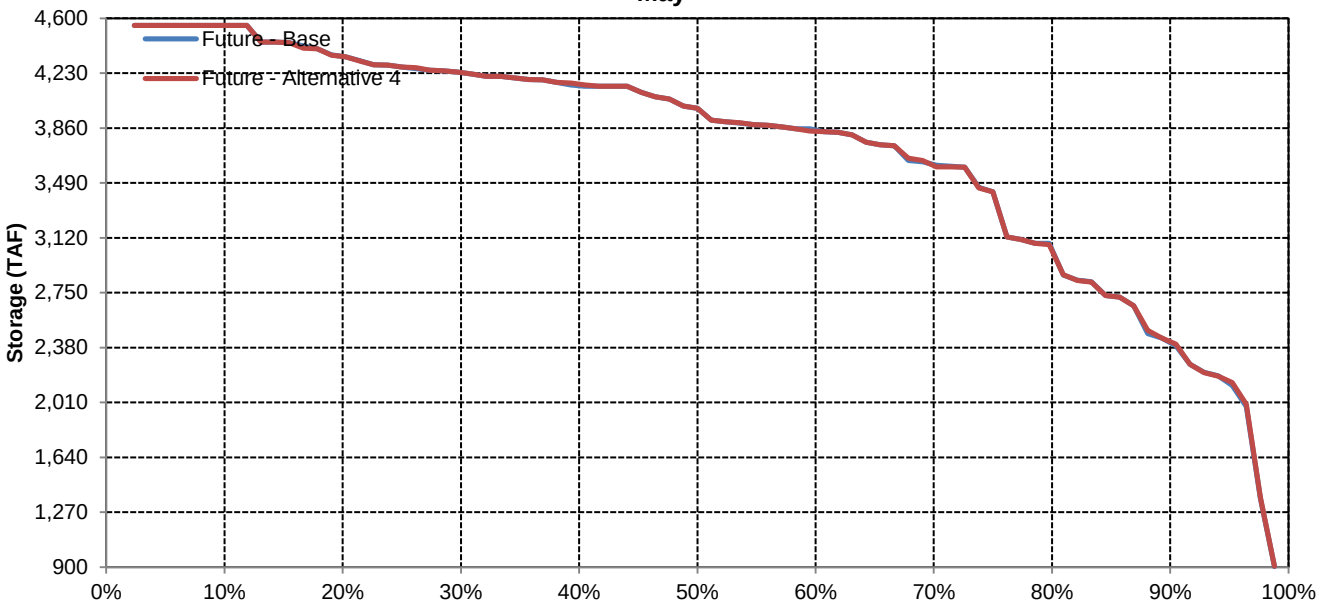


Shasta Reservoir Storage

April

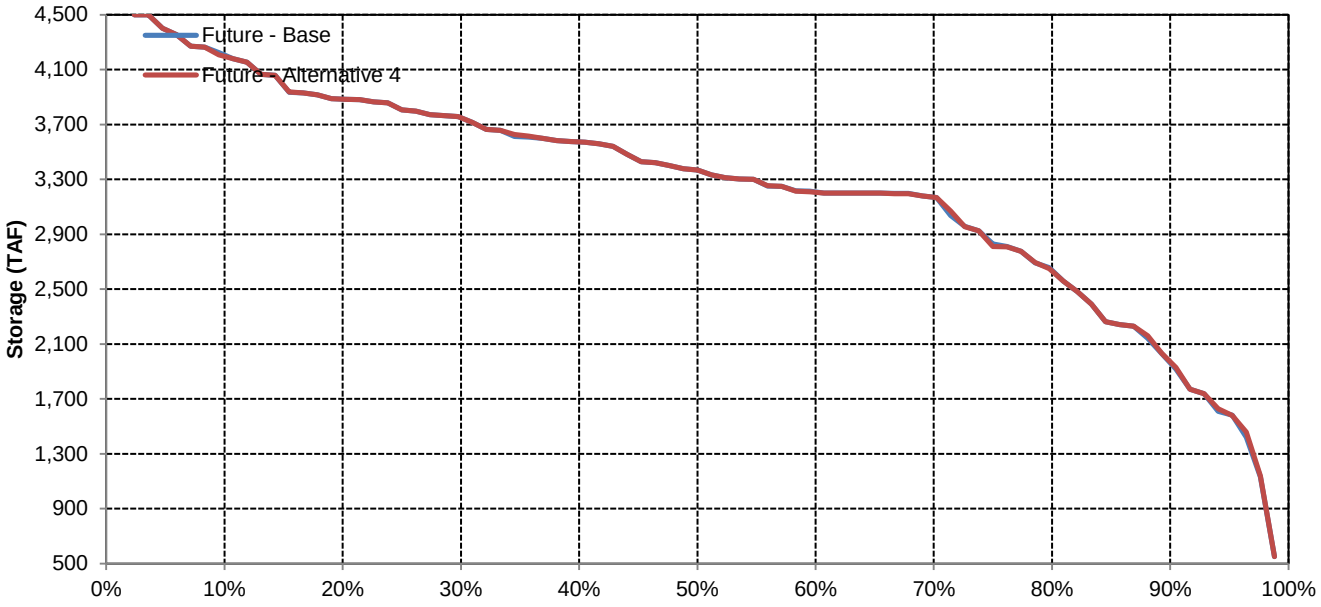


May

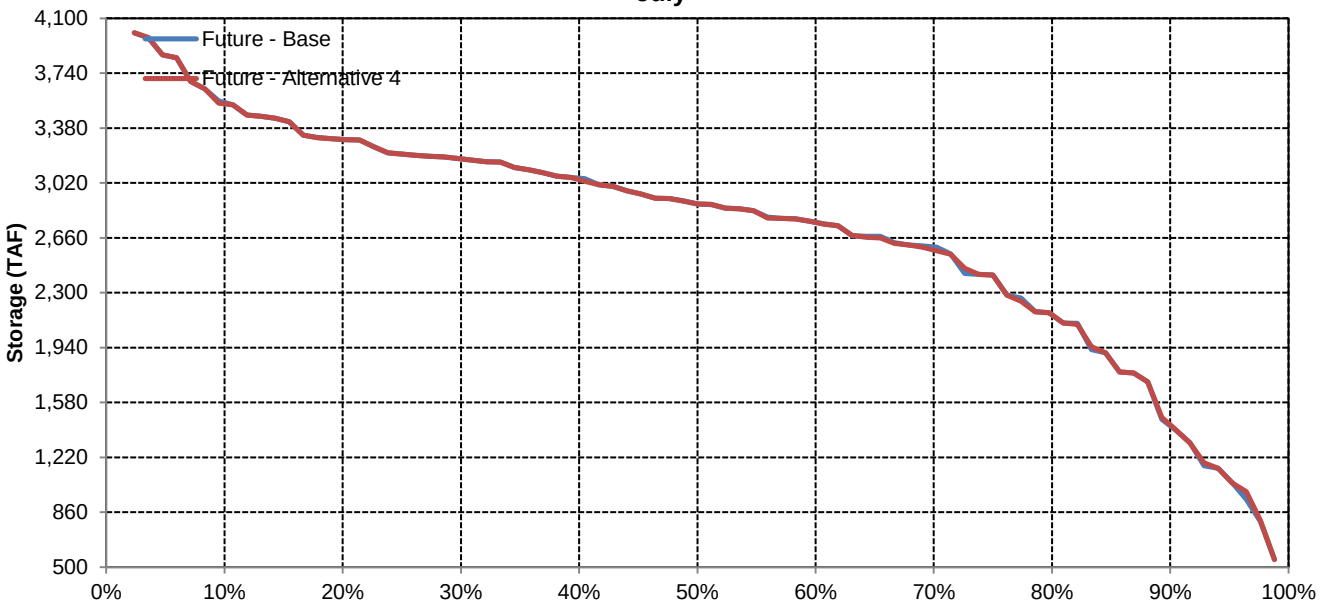


Shasta Reservoir Storage

June

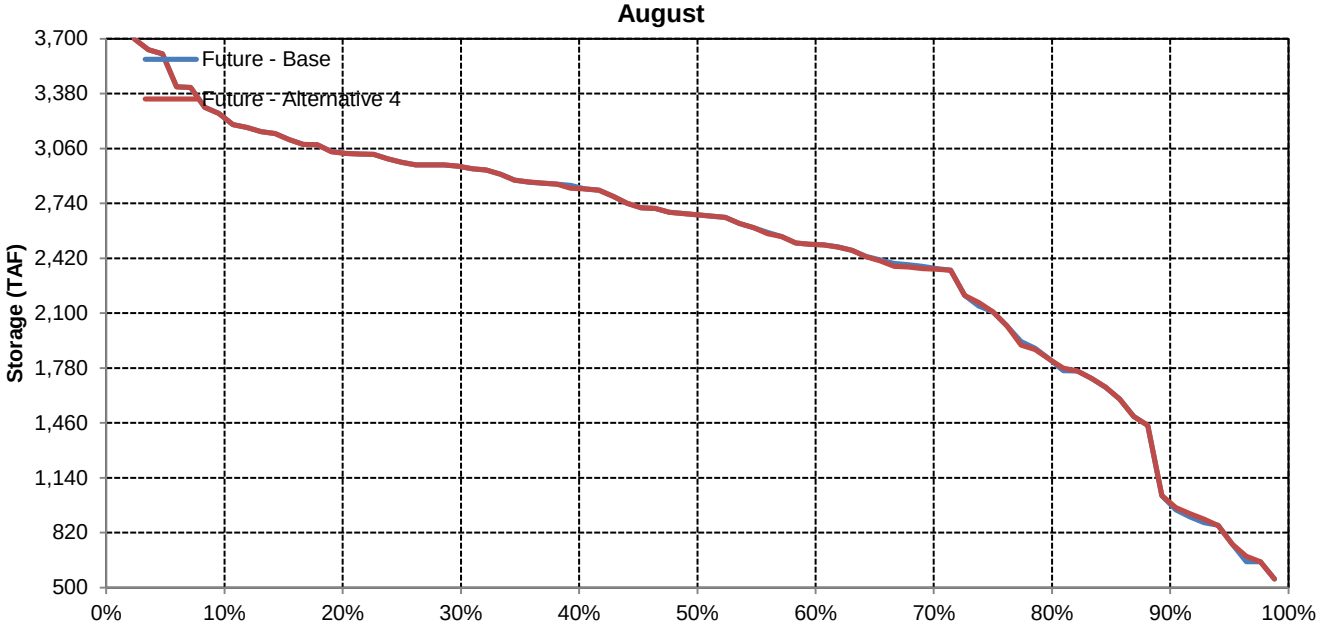


July

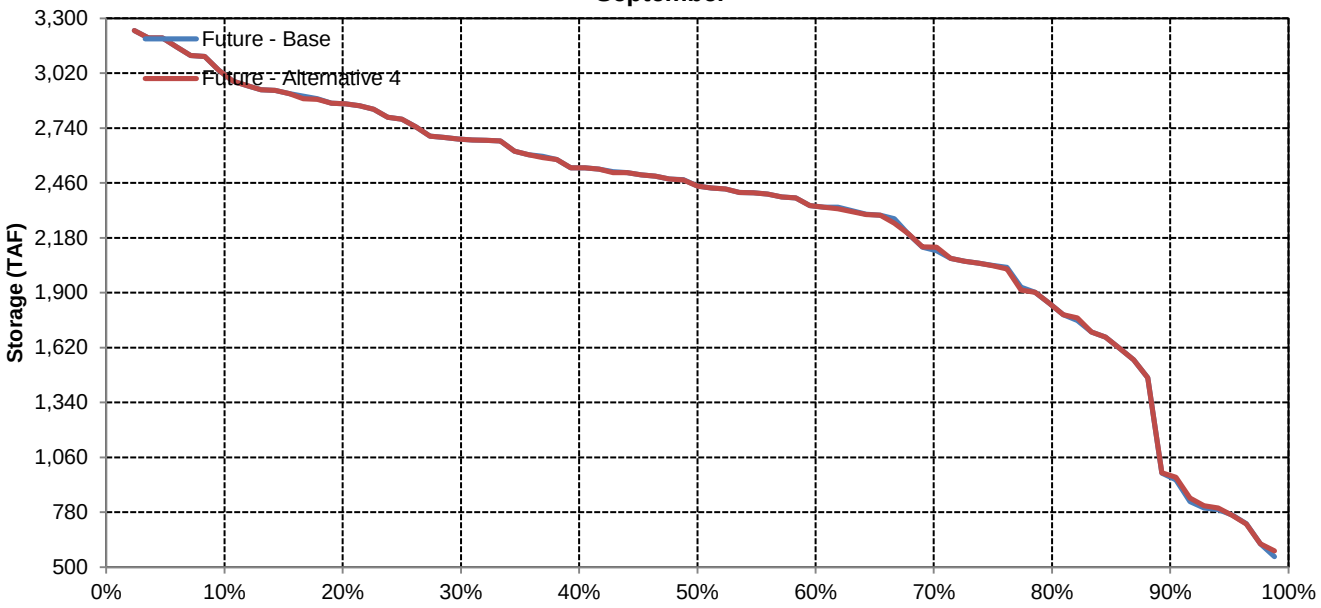


Shasta Reservoir Storage

August



September



Long-Term and Water Year-Type Average of Oroville Reservoir Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Future - Alternative 4	1,245	1,285	1,586	1,978	2,296	2,516	2,667	2,629	2,323	1,844	1,549	1,357
Difference	1	0	1	3	1	1	1	2	2	2	1	2
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Future - Alternative 4	1,341	1,497	2,169	2,720	2,891	2,940	3,223	3,257	2,987	2,389	2,025	1,635
Difference	2	1	0	2	0	0	0	0	0	0	2	2
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Future - Alternative 4	1,443	1,443	1,642	2,276	2,769	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Difference	-4	-4	2	7	1	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Future - Alternative 4	1,250	1,221	1,348	1,711	2,121	2,564	2,712	2,666	2,278	1,746	1,469	1,398
Difference	0	0	0	0	0	0	0	4	2	2	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Future - Alternative 4	1,101	1,112	1,253	1,470	1,903	2,247	2,284	2,176	1,843	1,455	1,206	1,161
Difference	1	0	0	0	0	0	0	0	-3	-2	-1	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863
Future - Alternative 4	1,089	1,040	1,084	1,230	1,419	1,589	1,564	1,488	1,321	1,114	921	872
Difference	2	2	4	8	8	8	8	9	15	12	6	9
Percent Difference	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,636	1,973	2,788	2,854	2,994	3,059	3,347	3,446	3,357	2,744	2,228	1,836
20%	1,502	1,552	2,259	2,788	2,856	2,991	3,237	3,254	3,034	2,401	2,003	1,666
30%	1,413	1,392	1,723	2,787	2,788	2,938	3,180	3,142	2,680	2,176	1,819	1,572
40%	1,252	1,284	1,473	2,185	2,788	2,833	3,081	3,034	2,528	1,958	1,679	1,439
50%	1,159	1,175	1,411	1,820	2,492	2,788	2,979	2,790	2,386	1,840	1,570	1,325
60%	1,084	1,076	1,258	1,613	2,165	2,539	2,672	2,667	2,222	1,693	1,307	1,222
70%	998	1,001	1,180	1,458	1,946	2,268	2,297	2,185	1,924	1,499	1,201	1,097
80%	985	953	1,002	1,258	1,538	1,950	2,026	1,954	1,706	1,328	1,052	995
90%	829	891	941	1,010	1,262	1,594	1,557	1,411	1,216	1,006	916	879
Long Term												
Full Simulation Period	1,244	1,285	1,585	1,975	2,295	2,515	2,665	2,627	2,322	1,842	1,548	1,355
Water Year Types												
Wet	1,339	1,496	2,168	2,719	2,891	2,940	3,223	3,257	2,987	2,389	2,023	1,633
Above Normal	1,447	1,447	1,640	2,269	2,768	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Below Normal	1,249	1,221	1,348	1,711	2,121	2,564	2,712	2,662	2,276	1,745	1,468	1,397
Dry	1,100	1,111	1,253	1,469	1,902	2,247	2,284	2,176	1,845	1,457	1,207	1,161
Critical	1,087	1,038	1,079	1,222	1,410	1,580	1,555	1,479	1,306	1,102	916	863

Future - Alternative 4

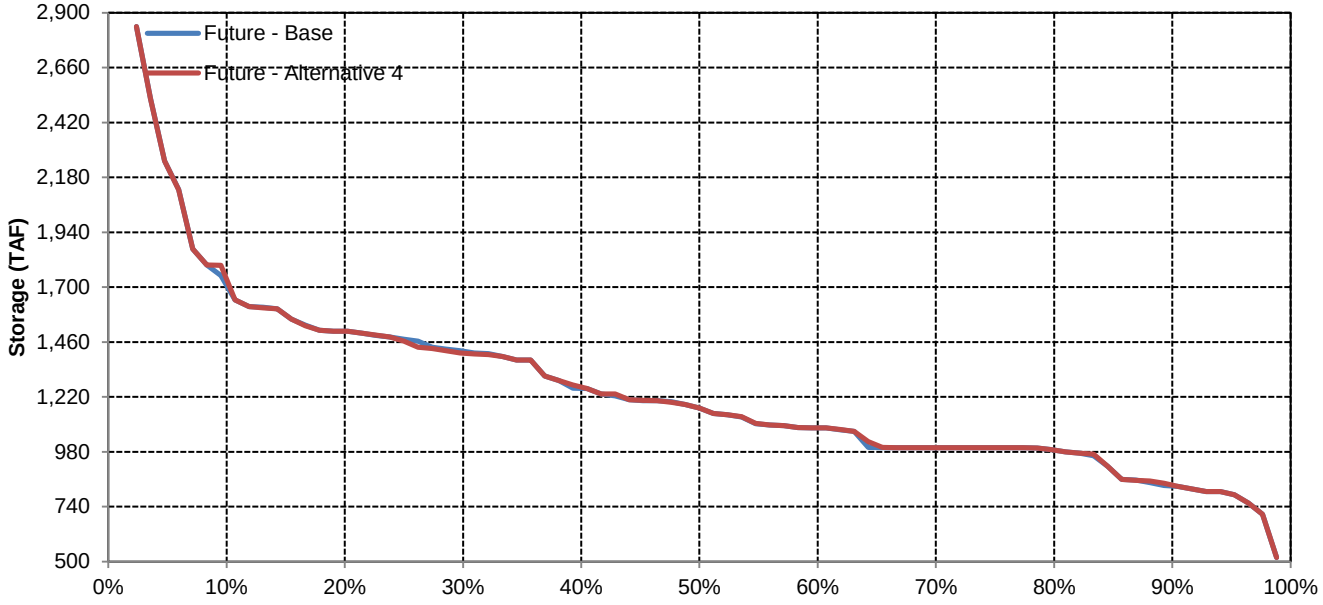
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,636	1,973	2,788	2,854	2,994	3,059	3,347	3,446	3,357	2,744	2,228	1,835
20%	1,502	1,542	2,259	2,788	2,856	2,991	3,237	3,254	3,034	2,401	2,003	1,668
30%	1,408	1,391	1,700	2,787	2,788	2,938	3,180	3,142	2,679	2,176	1,819	1,574
40%	1,252	1,285	1,474	2,185	2,788	2,833	3,081	3,034	2,529	1,958	1,679	1,439
50%	1,160	1,176	1,411	1,820	2,494	2,788	2,979	2,790	2,386	1,844	1,570	1,323
60%	1,084	1,076	1,262	1,614	2,165	2,539	2,672	2,667	2,222	1,693	1,312	1,222
70%	998	1,001	1,180	1,458	1,946	2,269	2,295	2,185	1,925	1,499	1,199	1,104
80%	986	954	1,002	1,258	1,560	1,951	2,026	1,954	1,713	1,326	1,030	995
90%	833	891	941	1,011	1,262	1,594	1,558	1,417	1,216	1,006	917	882
Long Term												
Full Simulation Period	1,245	1,285	1,586	1,978	2,296	2,516	2,667	2,629	2,323	1,844	1,549	1,357
Water Year Types												
Wet	1,341	1,497	2,169	2,720	2,891	2,940	3,223	3,257	2,987	2,389	2,025	1,635
Above Normal	1,443	1,443	1,642	2,276	2,769	2,962	3,196	3,169	2,777	2,174	1,831	1,539
Below Normal	1,250	1,221	1,348	1,711	2,121	2,564	2,712	2,666	2,278	1,746	1,469	1,398
Dry	1,101	1,112	1,253	1,470	1,903	2,247	2,284	2,176	1,843	1,455	1,206	1,161
Critical	1,089	1,040	1,084	1,230	1,419	1,589	1,564	1,488	1,321	1,114	921	872

Future - Alternative 4 Minus Future - Base

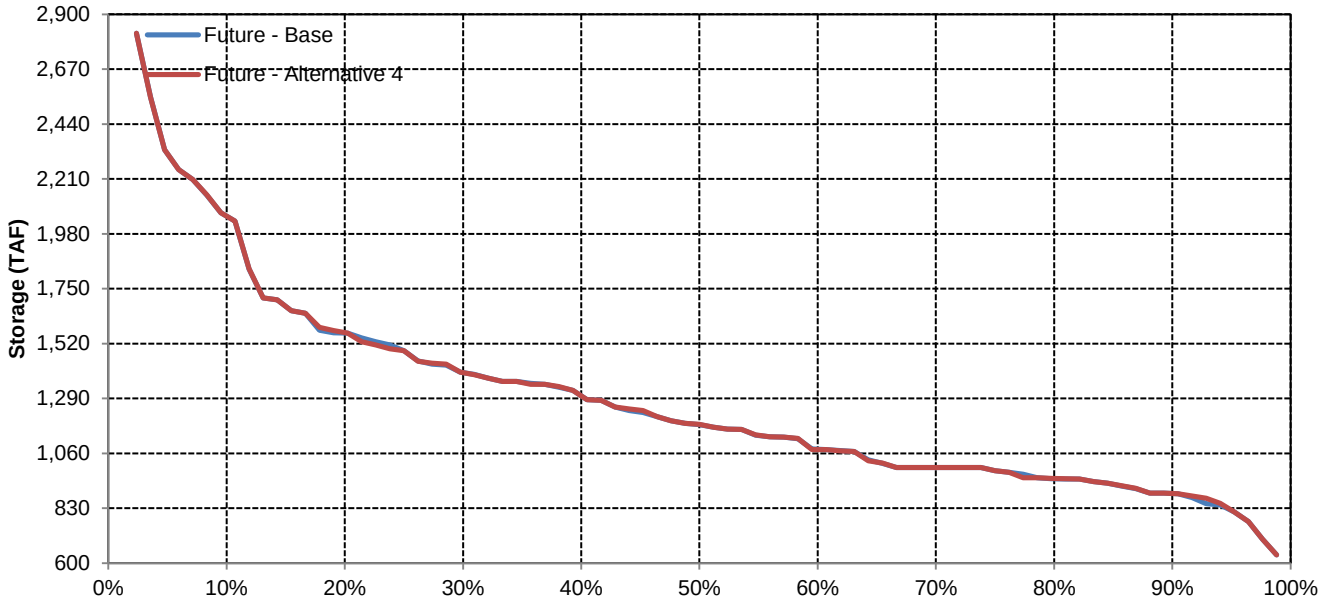
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	-1
20%	0	-10	0	0	0	0	0	0	0	0	0	2
30%	-5	-2	-23	0	0	0	0	0	0	0	0	2
40%	0	0	0	0	0	0	0	0	1	0	0	0
50%	0	1	0	0	2	0	0	0	0	5	0	-1
60%	0	0	4	0	0	0	0	0	0	0	5	0
70%	0	0	0	0	0	1	-2	0	1	0	-2	7
80%	0	1	0	0	22	1	0	0	7	-2	-22	0
90%	3	0	0	1	0	0	2	6	0	0	0	3
Long Term												
Full Simulation Period	1	0	1	3	1	1	1	2	2	2	1	2
Water Year Types												
Wet	2	1	0	2	0	0	0	0	0	0	2	2
Above Normal	-4	-4	2	7	1	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	4	2	2	1	1
Dry	1	0	0	0	0	0	0	0	-3	-2	-1	0
Critical	2	2	4	8	8	8	8	9	15	12	6	9

Oroville Reservoir

October

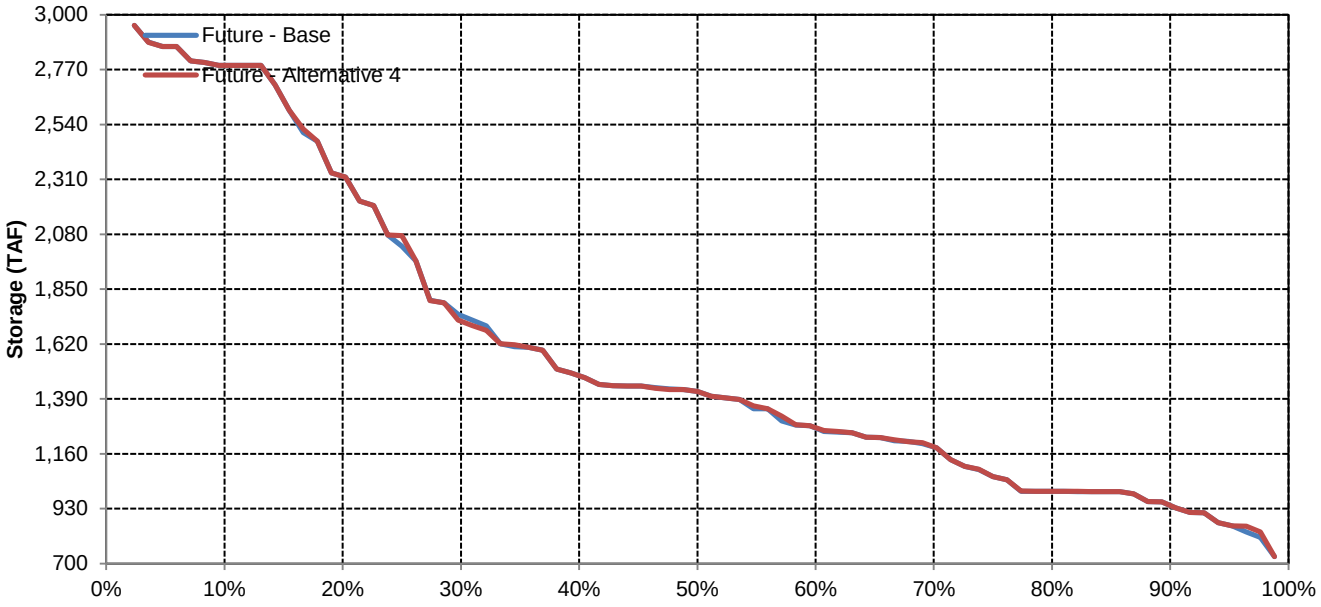


November

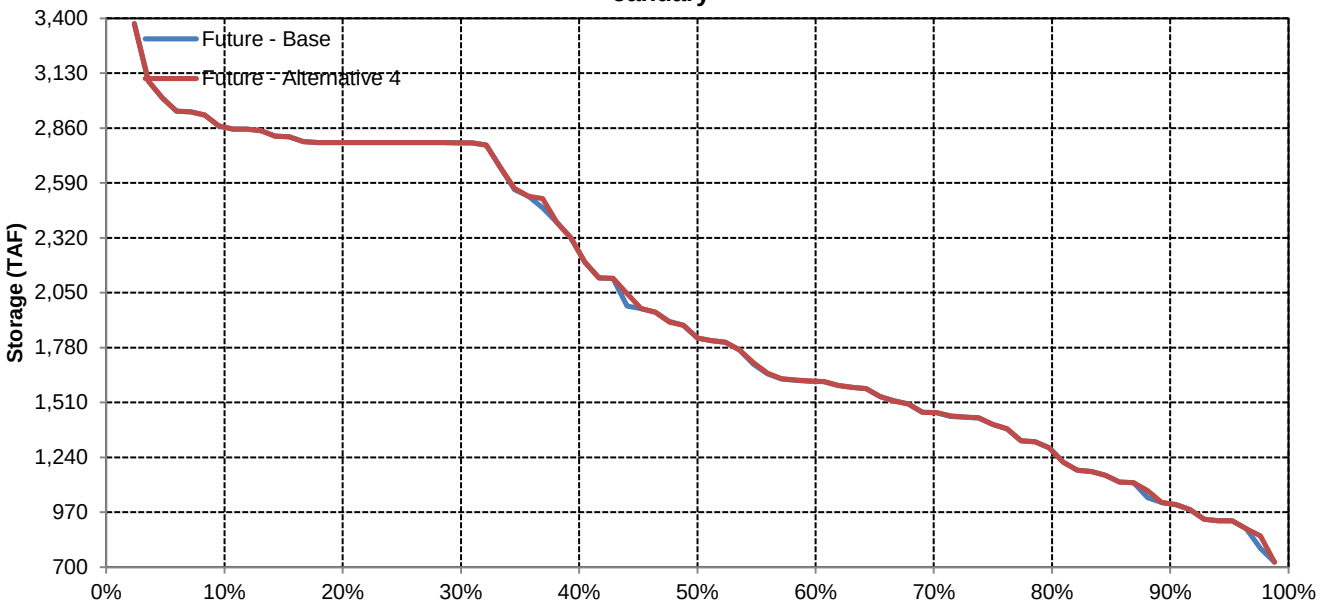


Oroville Reservoir

December

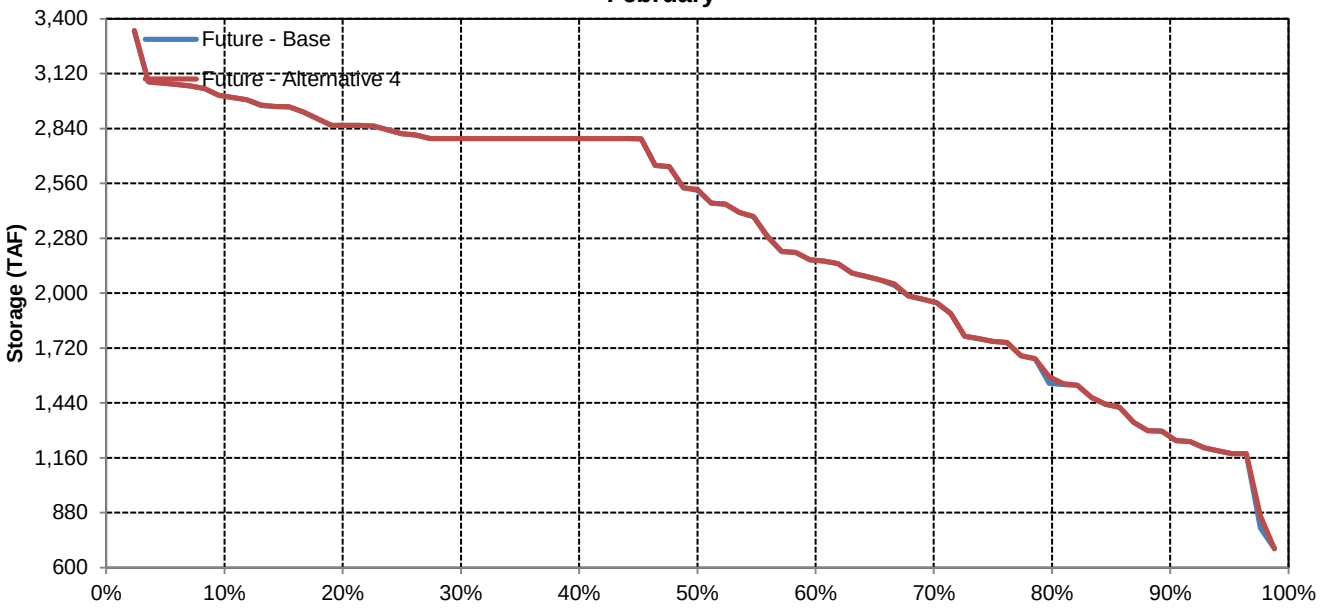


January

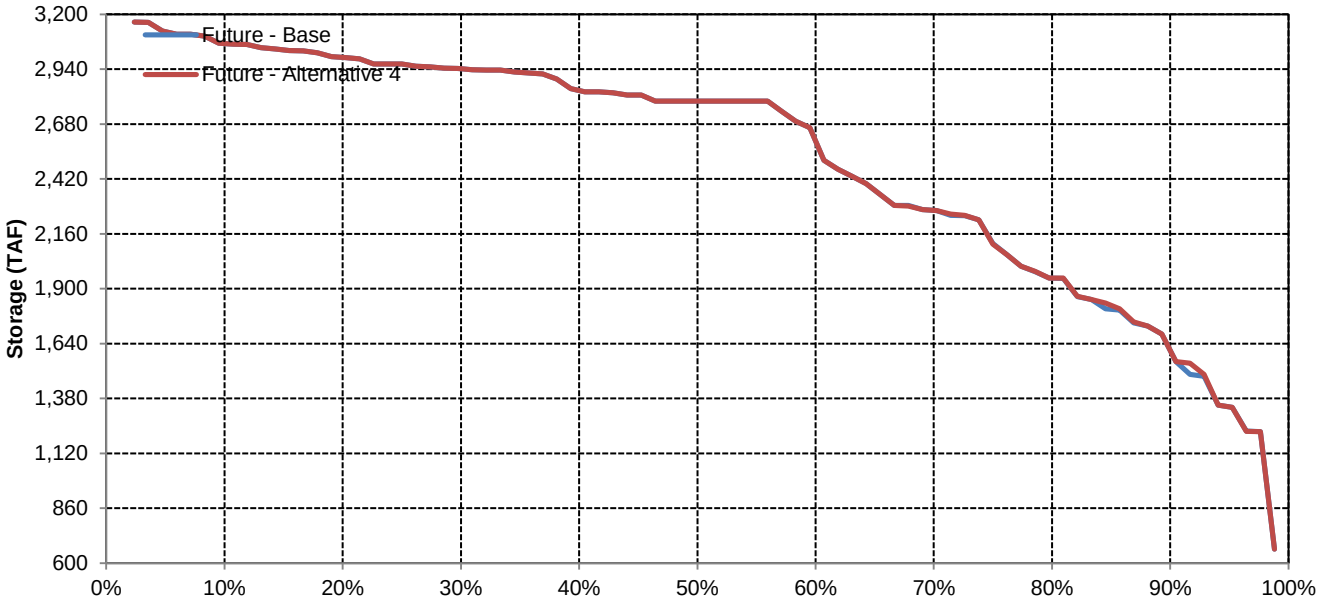


Oroville Reservoir

February

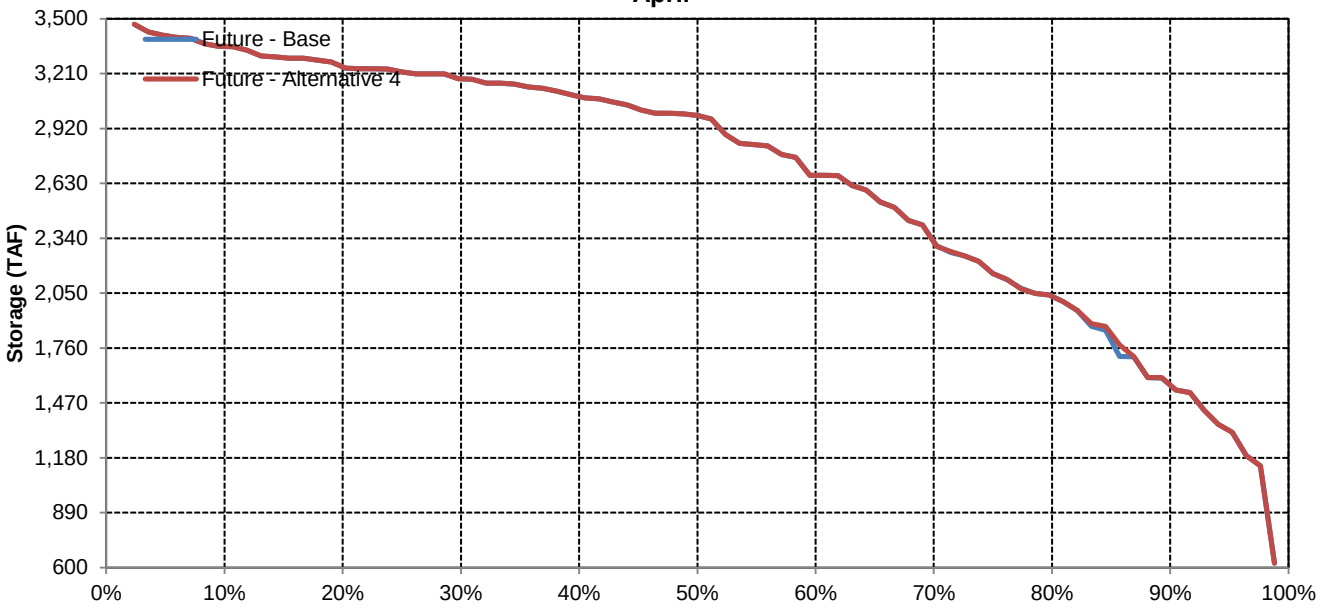


March

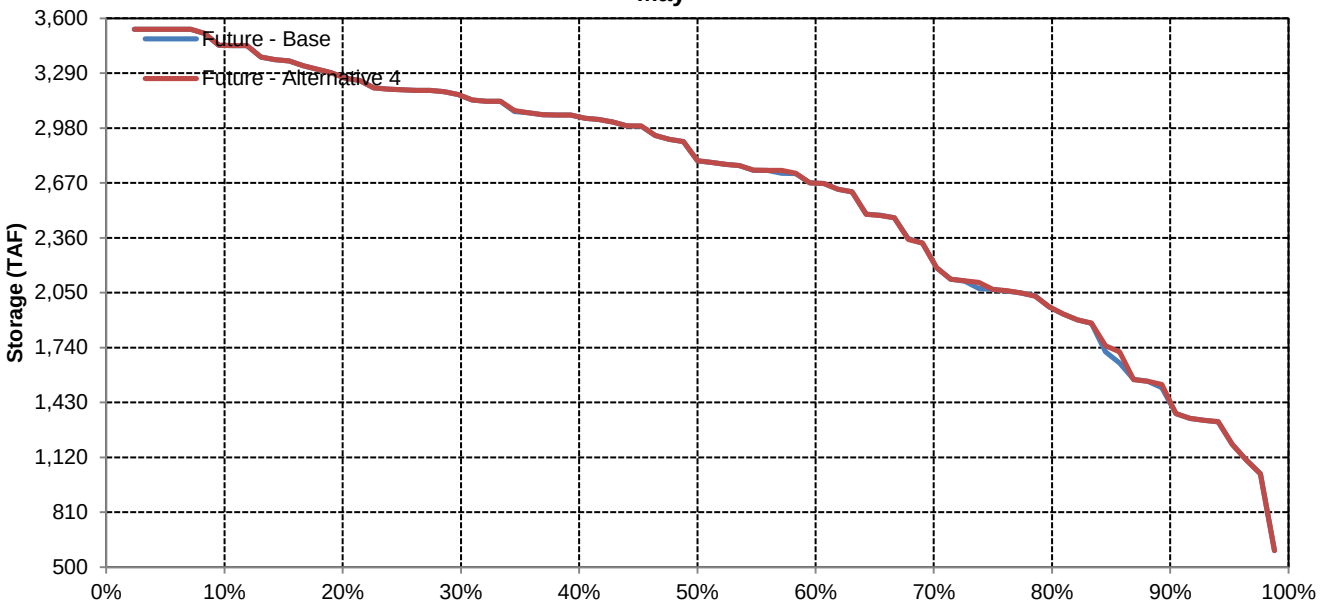


Oroville Reservoir

April

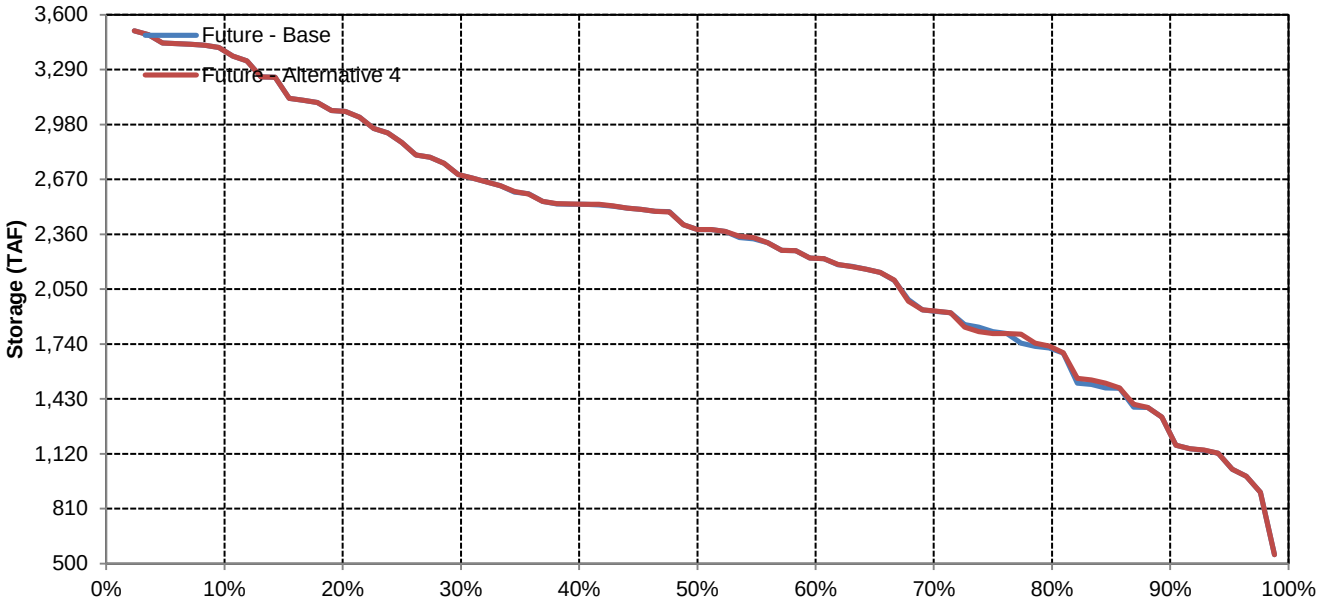


May

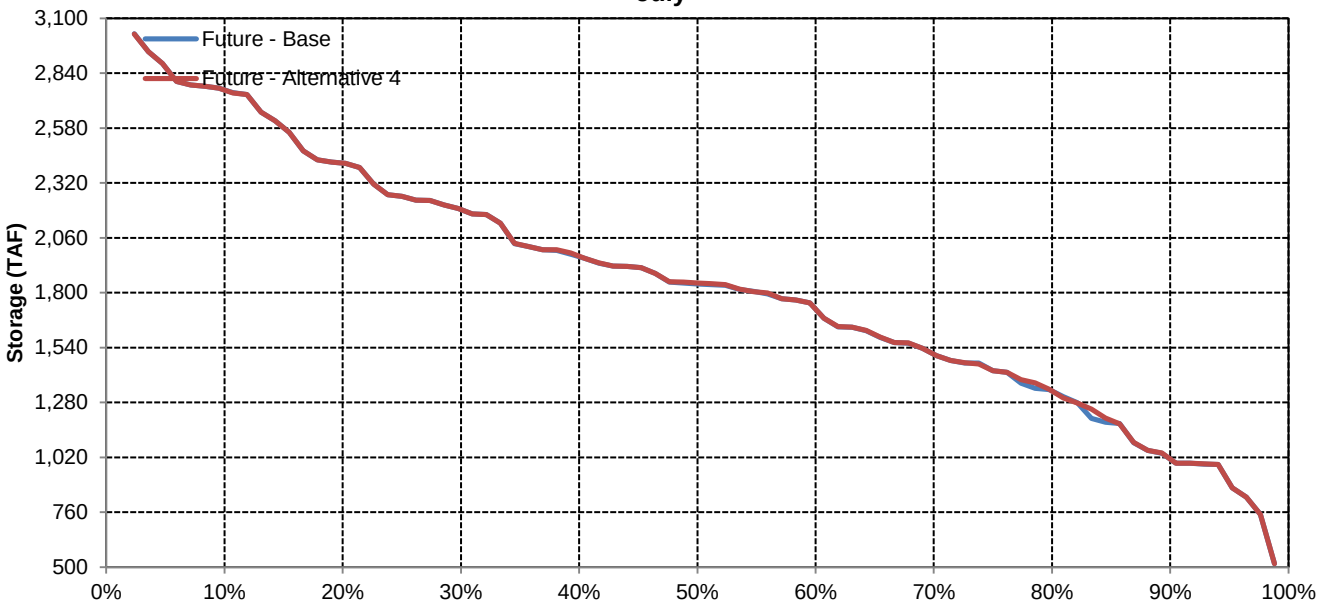


Oroville Reservoir

June

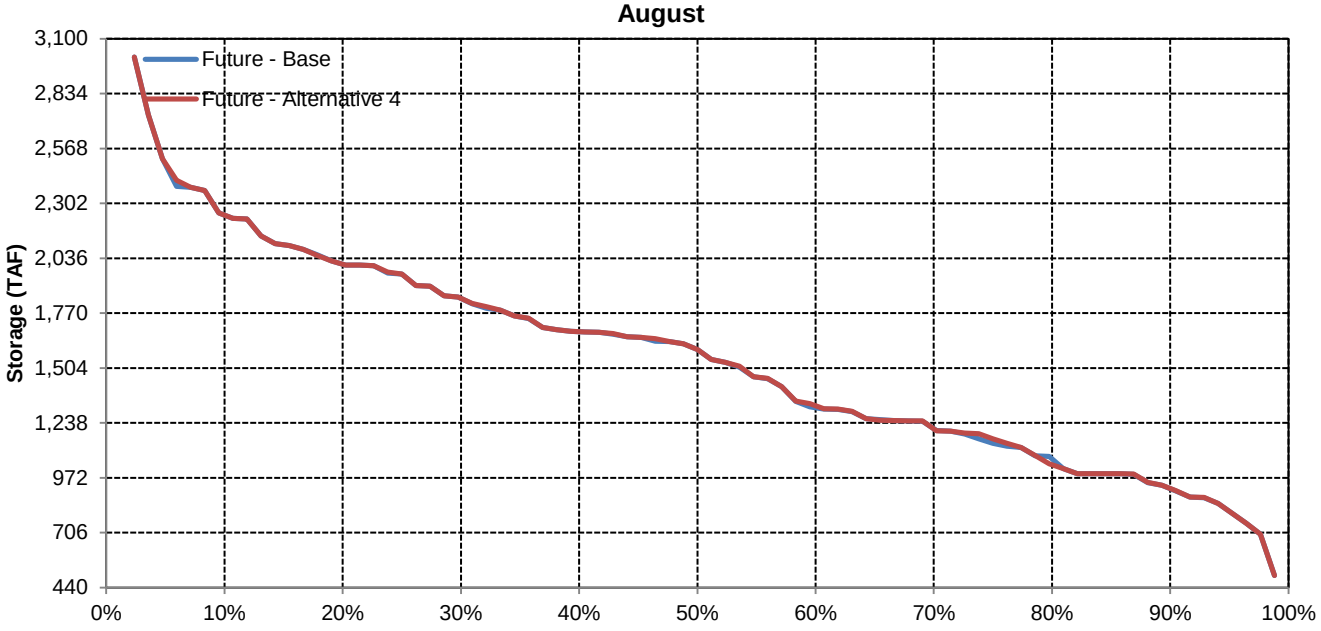


July

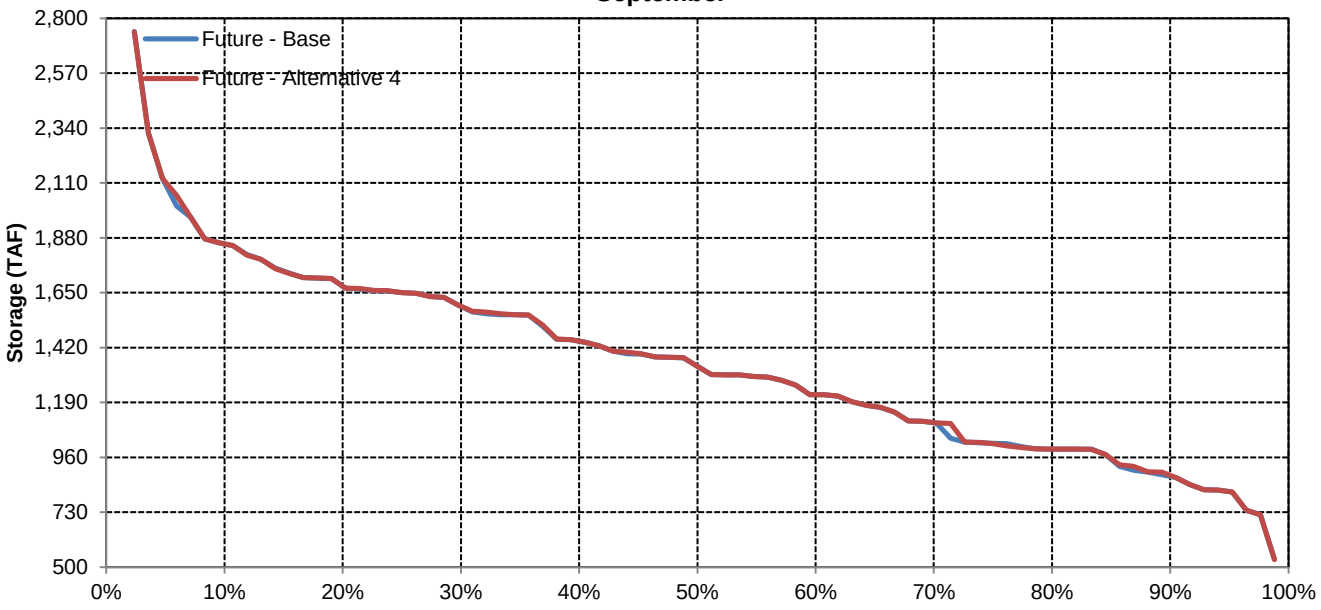


Oroville Reservoir

August



September



Long-Term and Water Year-Type Average of Folsom Reservoir Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	354	352	404	454	482	592	680	678	580	460	427	390
Future - Alternative 4	354	352	405	455	483	593	681	679	581	461	427	391
Difference	0	0	1	1	1	1	1	1	1	0	0	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	368	385	480	522	509	624	760	806	699	547	509	430
Future - Alternative 4	368	385	480	522	509	624	760	806	699	547	508	430
Difference	0	0	0	0	0	0	0	0	0	-1	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	363	358	415	512	550	644	766	766	668	492	471	427
Future - Alternative 4	365	357	415	512	550	644	766	766	668	492	471	427
Difference	2	-1	0	0	0	0	0	0	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	375	361	399	471	508	624	727	714	609	493	465	455
Future - Alternative 4	374	361	399	471	508	624	727	714	610	495	466	456
Difference	0	0	0	0	0	0	0	0	1	1	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	336	332	372	411	477	592	646	596	489	395	356	357
Future - Alternative 4	336	333	373	412	477	592	646	596	490	395	357	358
Difference	1	1	1	1	0	0	0	0	1	1	1	1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	321	298	288	306	341	440	436	418	360	317	287	256
Future - Alternative 4	322	299	294	312	347	446	442	422	364	319	286	260
Difference	1	1	6	6	6	6	6	4	4	2	0	4
Percent Difference	0%	0%	2%	2%	2%	1%	1%	1%	1%	1%	0%	2%

Folsom Reservoir

Future - Base

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	487	501	567	567	567	662	792	939	828	636	580	540
20%	445	437	566	567	567	656	792	820	729	587	548	504
30%	395	394	498	564	563	652	792	763	694	549	519	455
40%	365	365	432	556	557	645	791	745	621	495	483	417
50%	349	342	392	507	549	629	766	706	592	443	413	396
60%	321	327	352	454	495	616	701	656	538	418	388	360
70%	304	311	319	372	443	590	635	600	500	383	356	333
80%	269	272	302	305	386	565	554	498	404	332	305	295
90%	223	217	252	260	302	426	437	426	355	311	276	231
Long Term												
Full Simulation Period	354	352	404	454	482	592	680	678	580	460	427	390
Water Year Types												
Wet	368	385	480	522	509	624	760	806	699	547	509	430
Above Normal	363	358	415	512	550	644	766	766	668	492	471	427
Below Normal	375	361	399	471	508	624	727	714	609	493	465	455
Dry	336	332	372	411	477	592	646	596	489	395	356	357
Critical	321	298	288	306	341	440	436	418	360	317	287	256

Future - Alternative 4

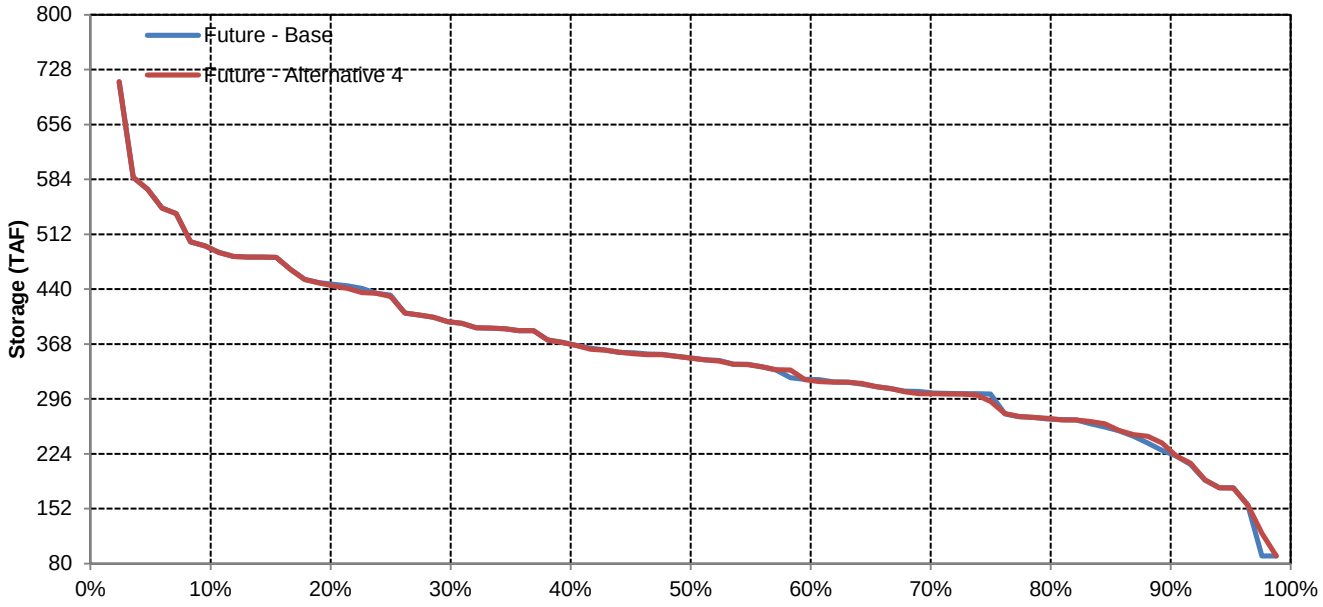
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	487	501	567	567	567	662	792	939	828	636	580	540
20%	442	437	564	567	567	656	792	820	729	587	548	503
30%	395	394	498	564	563	653	792	763	694	549	519	455
40%	365	365	432	556	557	646	791	745	621	495	483	416
50%	348	342	391	507	549	632	766	706	592	444	413	396
60%	319	326	352	454	495	618	701	656	536	418	389	360
70%	303	309	318	372	446	593	635	600	500	379	350	333
80%	270	273	302	305	386	565	554	498	405	331	305	295
90%	226	218	252	262	302	426	447	443	363	311	276	232
Long Term												
Full Simulation Period	354	352	405	455	483	593	681	679	581	461	427	391
Water Year Types												
Wet	368	385	480	522	509	624	760	806	699	547	508	430
Above Normal	365	357	415	512	550	644	766	766	668	492	471	427
Below Normal	374	361	399	471	508	624	727	714	610	495	466	456
Dry	336	333	373	412	477	592	646	596	490	395	357	358
Critical	322	299	294	312	347	446	442	422	364	319	286	260

Future - Alternative 4 Minus Future - Base

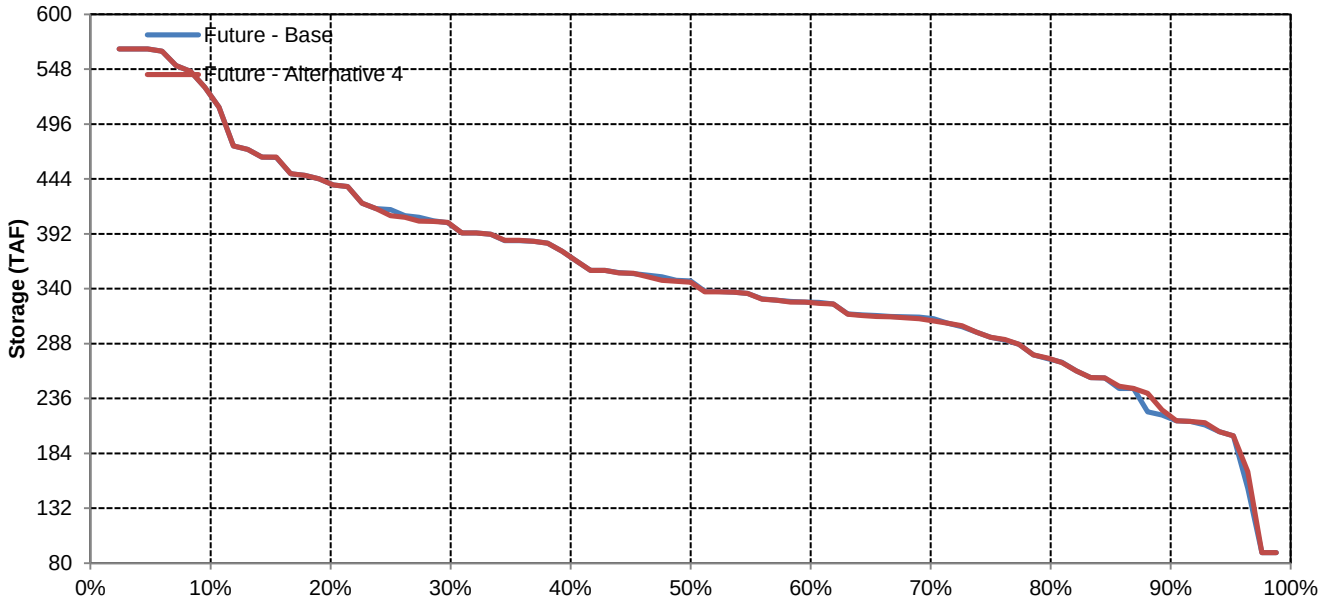
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End-of-Month Storage (TAF)											
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	-3	0	-2	0	0	0	0	0	0	0	0	-1
30%	0	0	0	0	0	1	0	0	0	0	0	0
40%	0	0	0	0	0	1	0	0	0	0	0	-1
50%	0	-1	0	0	0	3	0	0	0	1	0	0
60%	-2	-1	0	0	0	2	0	0	-2	0	1	0
70%	-1	-2	0	0	3	3	0	0	0	-5	-6	0
80%	0	0	0	0	0	0	0	0	1	-1	0	0
90%	3	1	0	1	0	0	10	17	8	1	0	1
Long Term												
Full Simulation Period	0	0	1	1	1	1	1	1	1	0	0	1
Water Year Types												
Wet	0	0	0	0	0	0	0	0	0	-1	-1	-1
Above Normal	2	-1	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	1	1	1	1
Dry	1	1	1	1	0	0	0	0	1	1	1	1
Critical	1	1	6	6	6	6	6	4	4	2	0	4

Folsom Reservoir

October

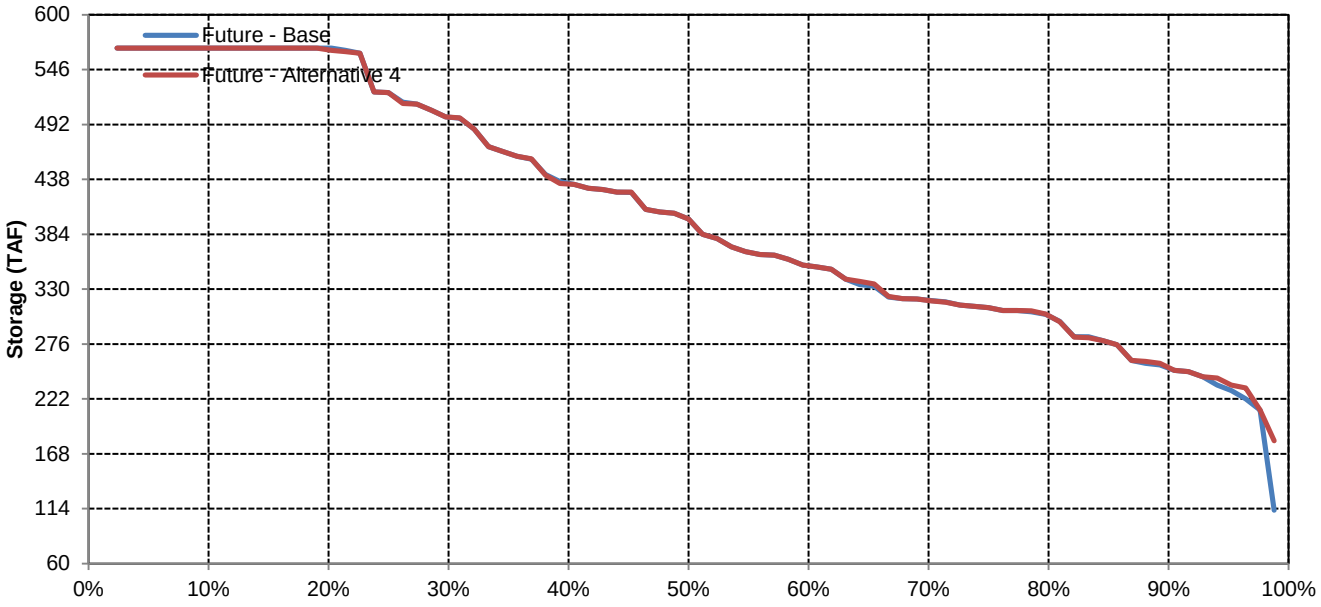


November

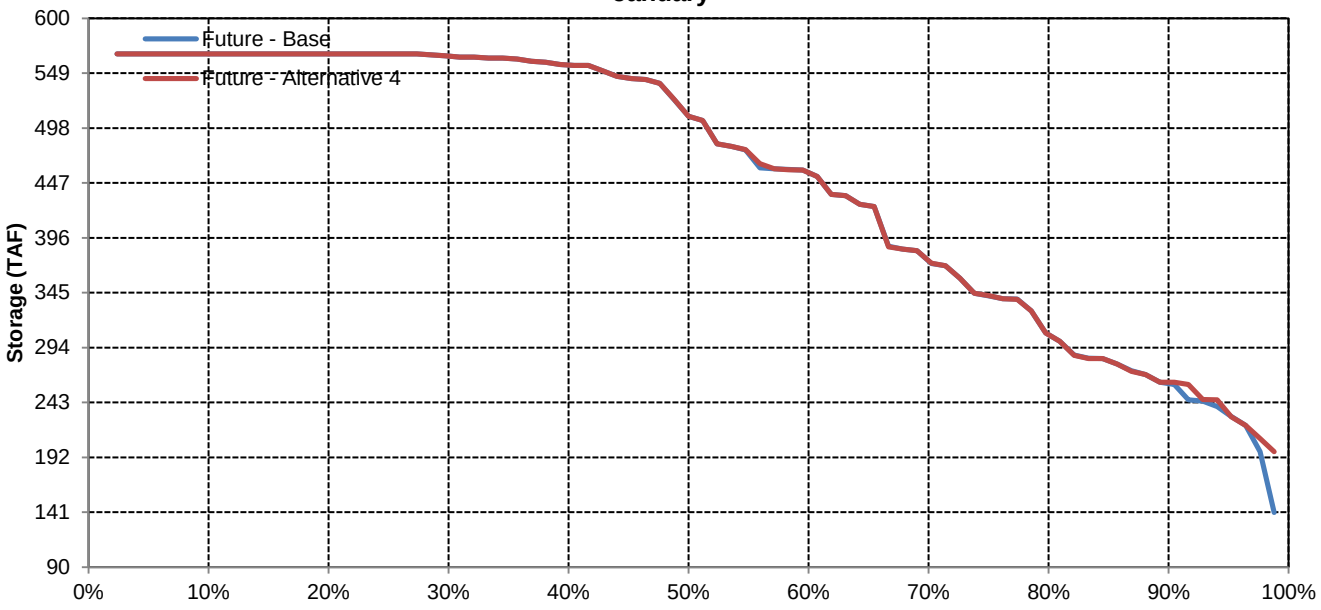


Folsom Reservoir

December

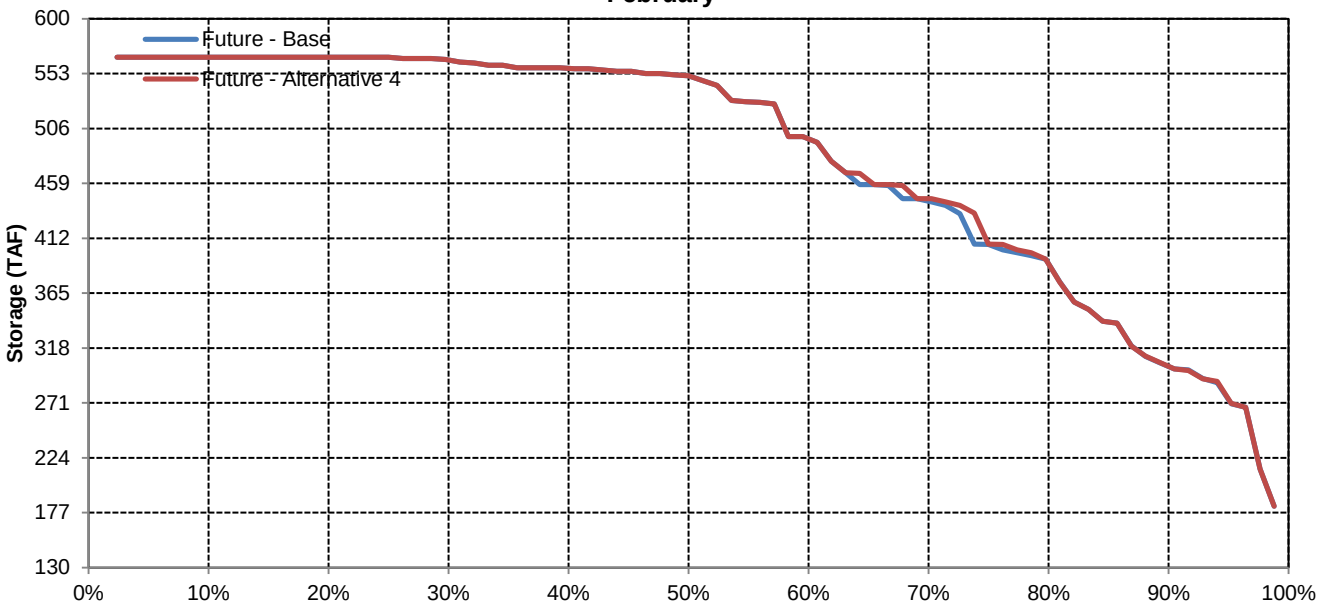


January

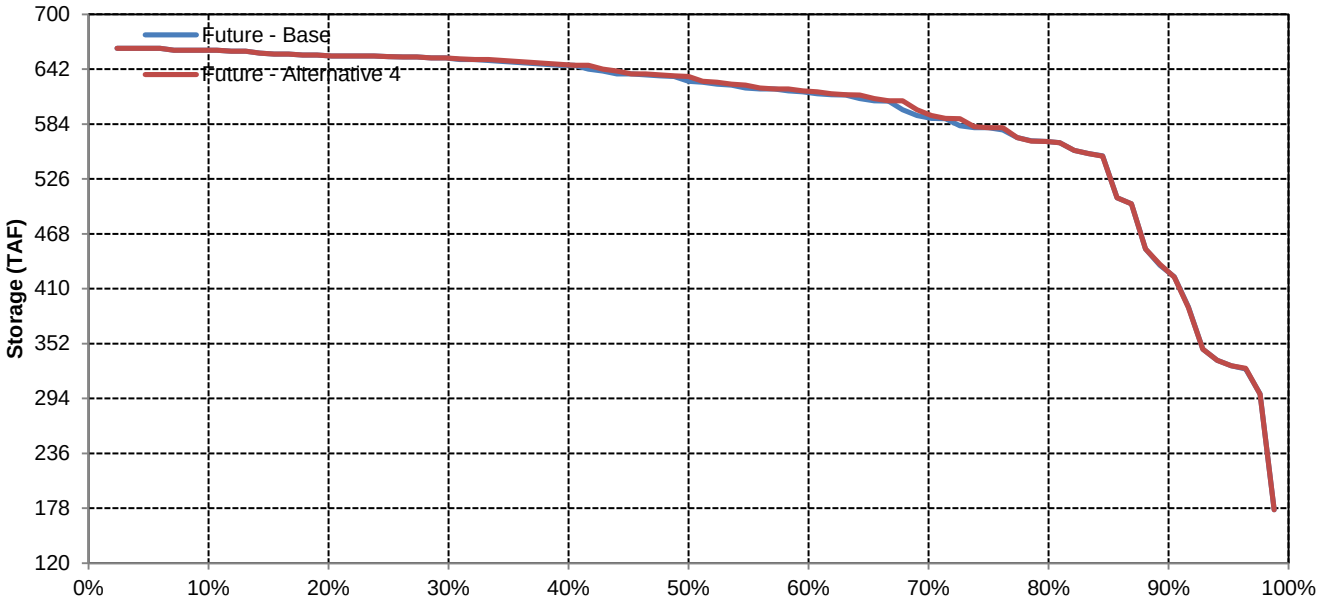


Folsom Reservoir

February

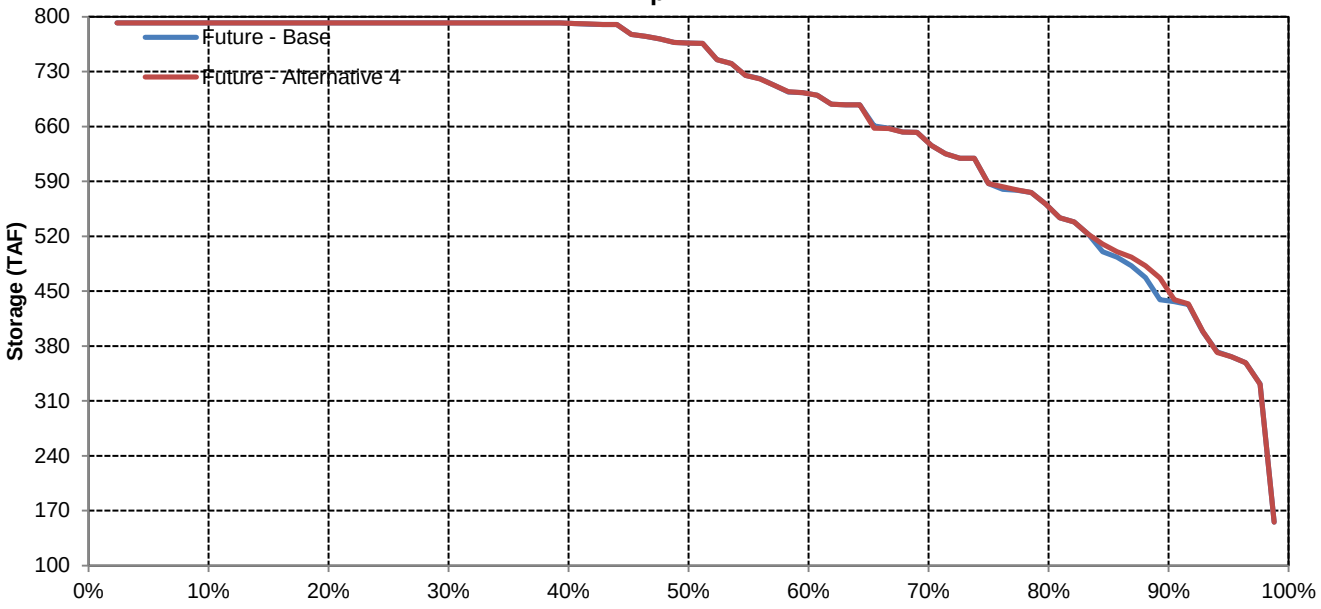


March

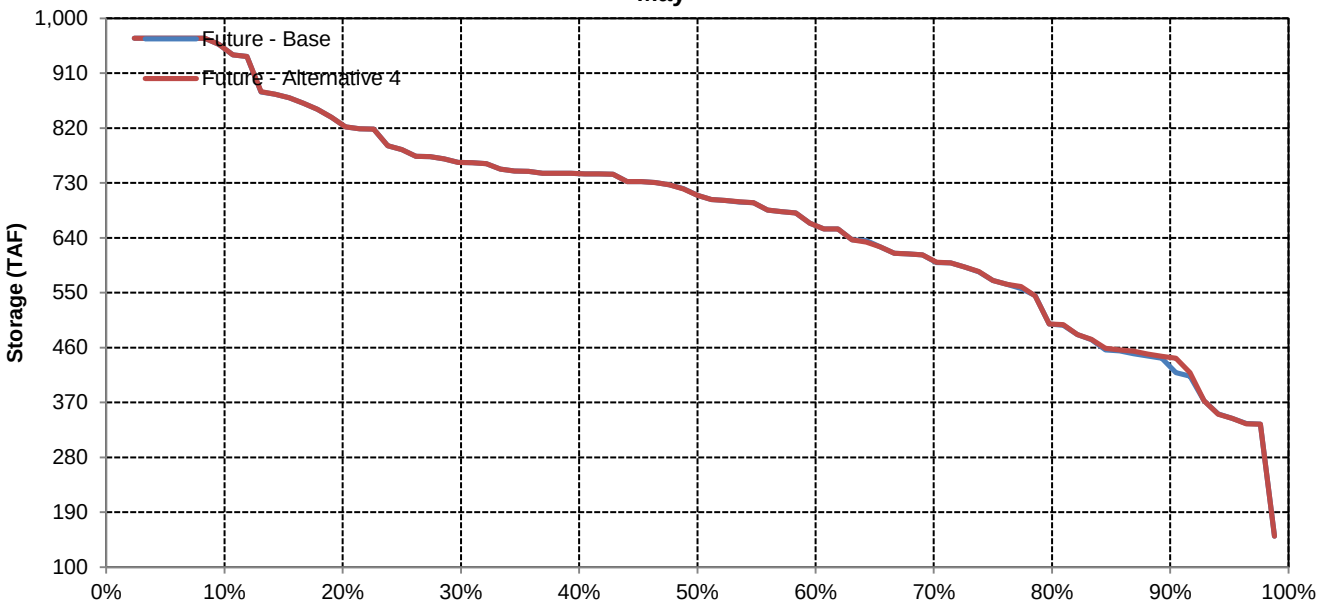


Folsom Reservoir

April

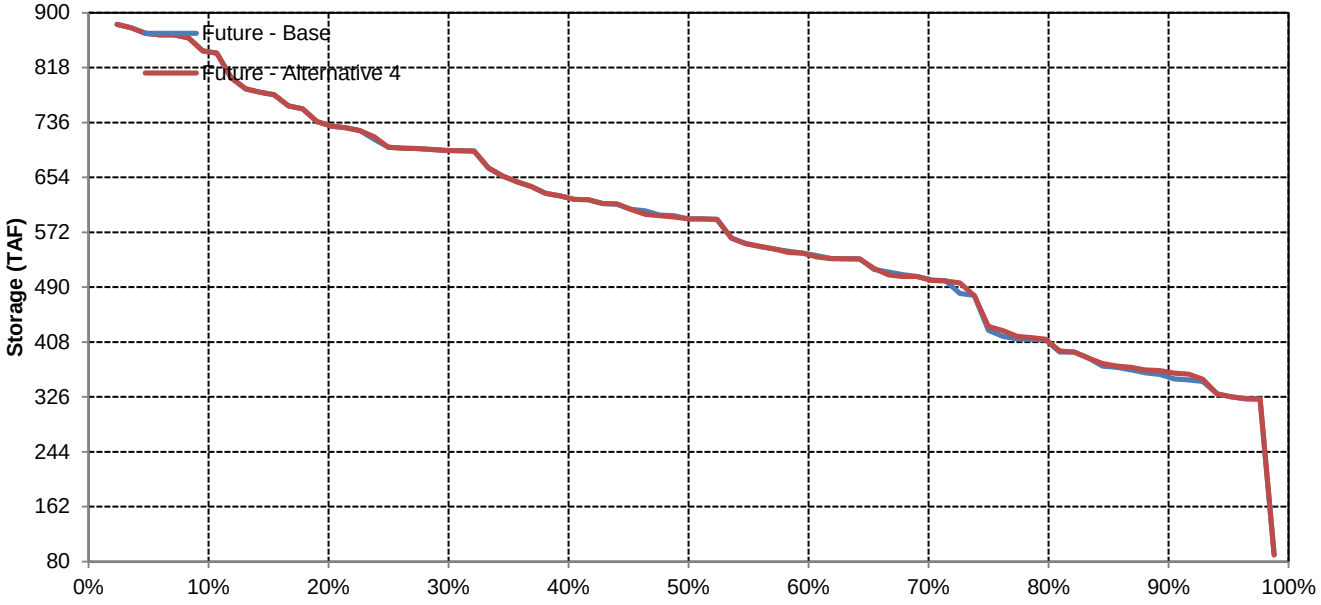


May

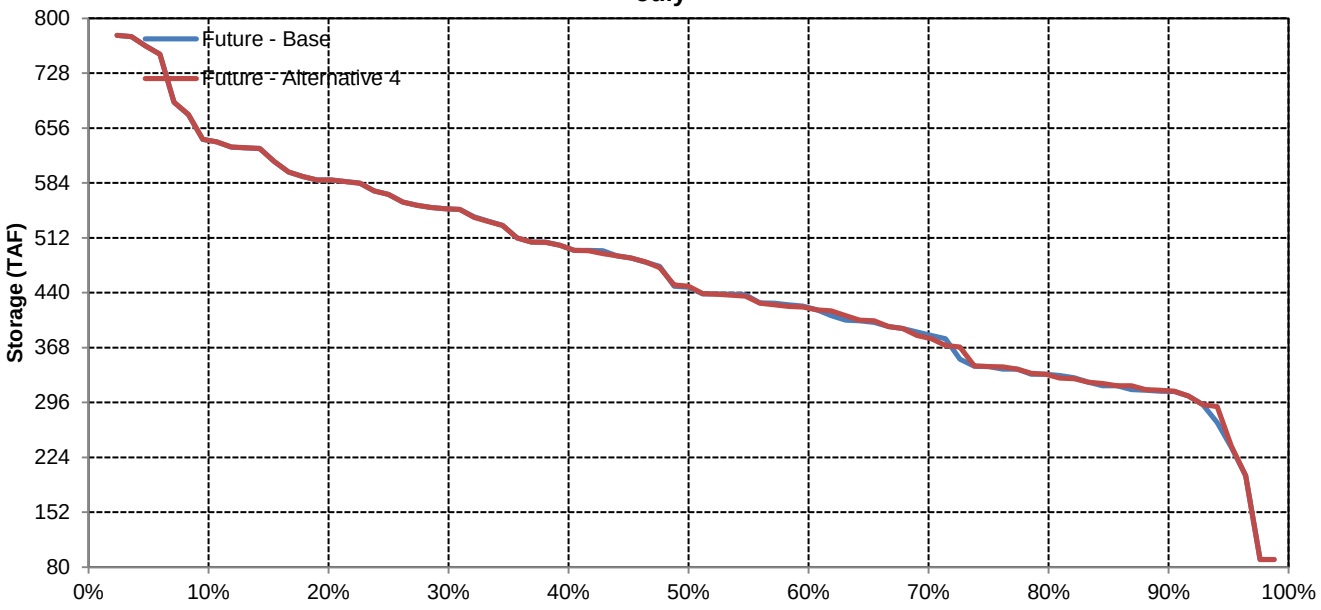


Folsom Reservoir

June

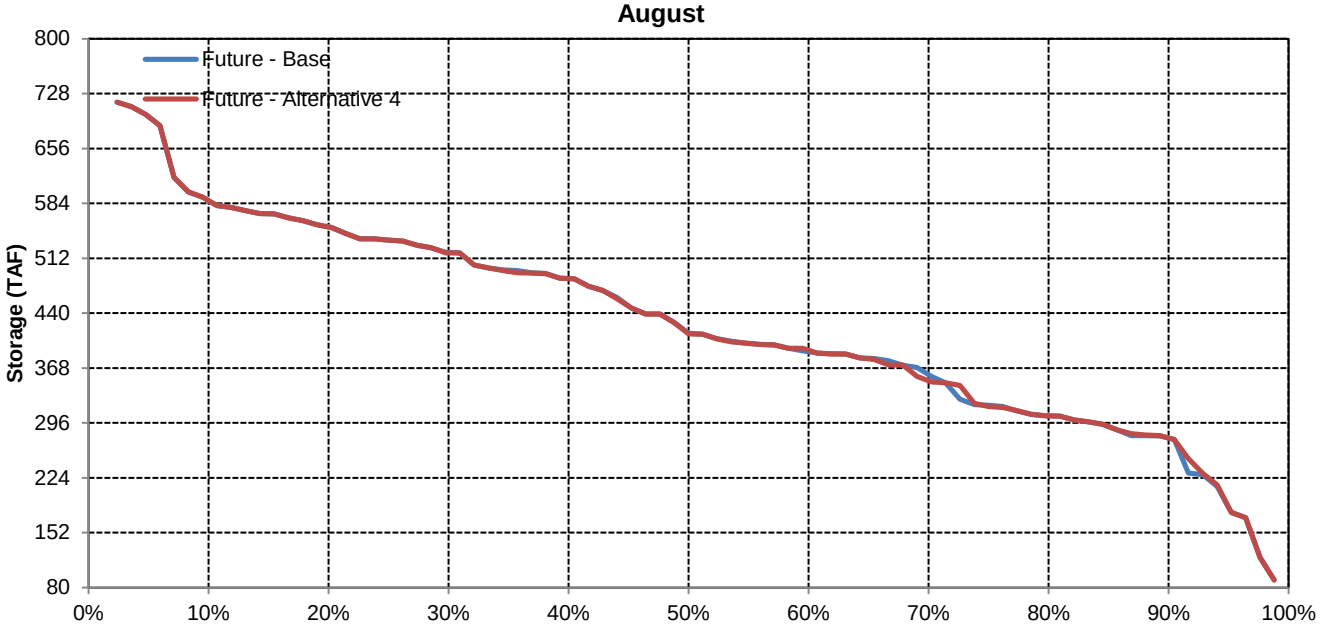


July

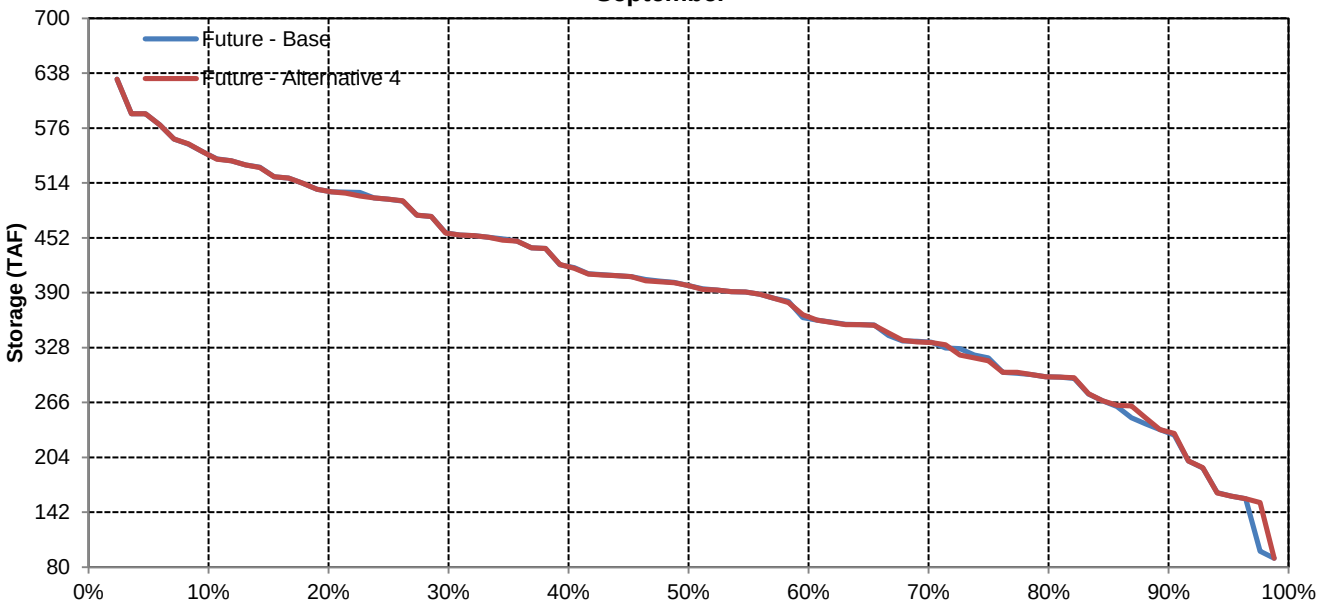


Folsom Reservoir

August



September



Long-Term and Water Year-Type Average of CVP San Luis Reservoir Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	218	294	461	615	743	823	788	682	578	413	314	270
Future - Alternative 4	215	291	458	611	740	820	785	679	574	410	311	266
Difference	-2	-3	-3	-3	-3	-3	-3	-3	-4	-3	-3	-3
Percent Difference	-1%	-1%	-1%	-1%	0%	0%	0%	0%	-1%	-1%	-1%	-1%
						Water Year-Types						
Wet												
Future - Base	203	294	487	682	836	918	880	792	678	499	390	304
Future - Alternative 4	201	292	484	680	834	918	879	790	675	497	388	302
Difference	-2	-3	-3	-2	-2	0	-2	-1	-3	-2	-2	-2
Percent Difference	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
Above Normal												
Future - Base	215	289	456	607	754	844	802	668	594	409	303	202
Future - Alternative 4	218	291	456	607	750	844	801	667	594	409	302	202
Difference	3	3	0	0	-5	0	0	0	0	0	0	-1
Percent Difference	1%	1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	237	280	459	588	713	836	815	706	632	430	313	312
Future - Alternative 4	234	276	456	583	712	835	813	705	631	431	314	312
Difference	-3	-3	-3	-5	-1	-1	-1	-1	0	1	1	0
Percent Difference	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Dry												
Future - Base	211	284	442	576	689	772	742	621	516	359	253	240
Future - Alternative 4	207	280	438	572	689	771	741	620	513	359	253	239
Difference	-4	-4	-3	-4	-1	-1	-1	-1	-2	0	0	0
Percent Difference	-2%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Critical												
Future - Base	242	329	444	571	654	666	621	536	395	302	263	262
Future - Alternative 4	236	321	437	563	641	652	607	521	378	286	245	244
Difference	-6	-8	-7	-8	-13	-14	-14	-15	-17	-16	-18	-18
Percent Difference	-2%	-2%	-2%	-1%	-2%	-2%	-2%	-3%	-4%	-5%	-7%	-7%

CVP San Luis Reservoir

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	442	574	764	972	972	972	972	909	861	675	596	517
20%	367	426	607	826	972	972	958	858	767	563	489	434
30%	272	373	528	720	942	972	913	806	702	492	413	347
40%	209	298	476	659	826	967	889	768	647	455	316	289
50%	160	269	425	581	736	883	869	715	609	394	256	223
60%	118	232	369	521	682	833	793	636	539	340	226	161
70%	90	173	327	477	630	718	665	571	458	287	190	132
80%	90	122	284	432	554	658	611	480	404	238	140	91
90%	90	90	246	370	439	573	531	393	274	197	110	90
Long Term												
Full Simulation Period	218	294	461	615	743	823	788	682	578	413	314	270
Water Year Types												
Wet	203	294	487	682	836	918	880	792	678	499	390	304
Above Normal	215	289	456	607	754	844	802	668	594	409	303	202
Below Normal	237	280	459	588	713	836	815	706	632	430	313	312
Dry	211	284	442	576	689	772	742	621	516	359	253	240
Critical	242	329	444	571	654	666	621	536	395	302	263	262

Future - Alternative 4

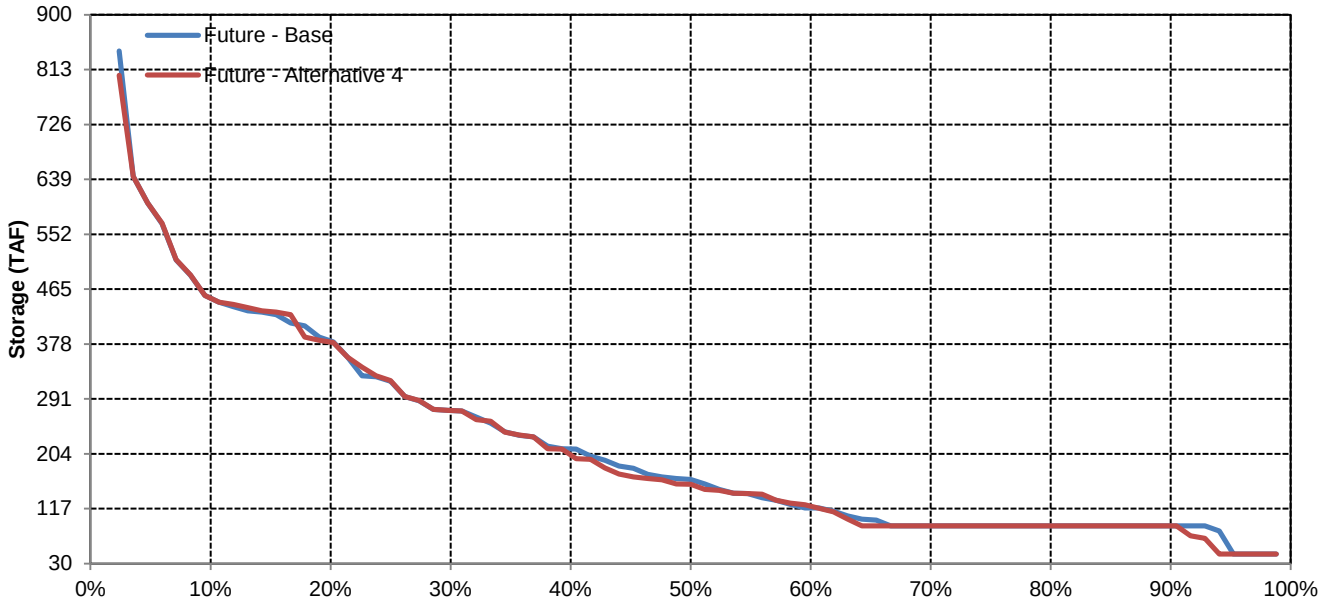
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	443	575	764	972	972	972	972	909	860	675	596	516
20%	367	429	589	827	972	972	958	858	767	563	490	433
30%	272	374	532	720	941	972	913	806	702	492	393	347
40%	196	296	476	649	825	969	888	767	644	454	318	289
50%	152	263	423	581	719	881	866	713	610	394	256	216
60%	119	212	367	518	682	833	797	637	537	340	225	156
70%	90	169	327	477	616	717	661	565	445	280	188	129
80%	90	122	277	430	548	658	605	476	391	229	137	90
90%	90	90	248	363	439	557	515	389	273	196	98	90
Long Term												
Full Simulation Period	215	291	458	611	740	820	785	679	574	410	311	266
Water Year Types												
Wet	201	292	484	680	834	918	879	790	675	497	388	302
Above Normal	218	291	456	607	750	844	801	667	594	409	302	202
Below Normal	234	276	456	583	712	835	813	705	631	431	314	312
Dry	207	280	438	572	689	771	741	620	513	359	253	239
Critical	236	321	437	563	641	652	607	521	378	286	245	244

Future - Alternative 4 Minus Future - Base

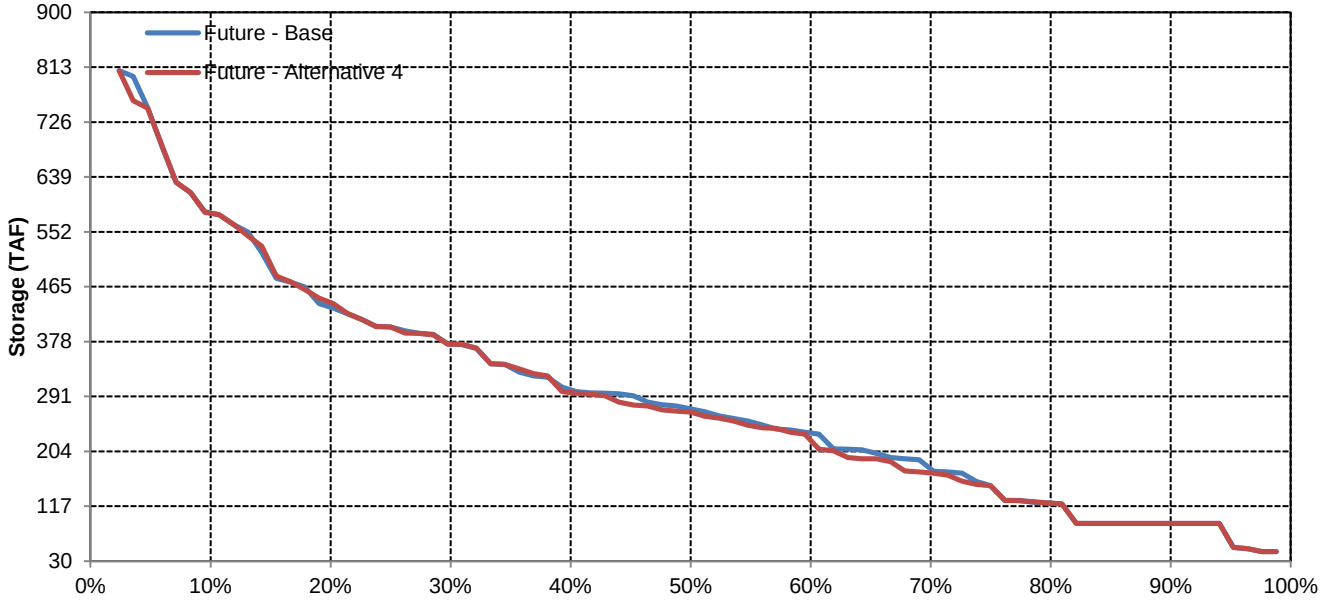
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1	0	0	0	0	0	0	0	0	0	0	0
20%	0	3	-19	0	0	0	0	0	0	0	0	-2
30%	0	0	4	0	0	0	0	0	0	0	-20	0
40%	-14	-2	-1	-10	0	1	-1	0	-3	-1	2	1
50%	-8	-6	-3	0	-18	-2	-3	-2	2	0	0	-7
60%	1	-20	-2	-2	-1	0	4	1	-2	1	-1	-6
70%	0	-4	0	0	-14	-1	-4	-6	-13	-8	-2	-4
80%	0	0	-7	-3	-7	0	-6	-3	-13	-9	-3	-1
90%	0	0	3	-8	0	-16	-16	-4	-1	0	-11	0
Long Term												
Full Simulation Period	-2	-3	-3	-3	-3	-3	-3	-3	-4	-3	-3	-3
Water Year Types												
Wet	-2	-3	-3	-2	-2	0	-2	-1	-3	-2	-2	-2
Above Normal	3	3	0	0	-5	0	0	0	0	0	0	-1
Below Normal	-3	-3	-3	-5	-1	-1	-1	-1	0	1	1	0
Dry	-4	-4	-3	-4	-1	-1	-1	-1	-2	0	0	0
Critical	-6	-8	-7	-8	-13	-14	-14	-15	-17	-16	-18	-18

CVP San Luis Reservoir

October

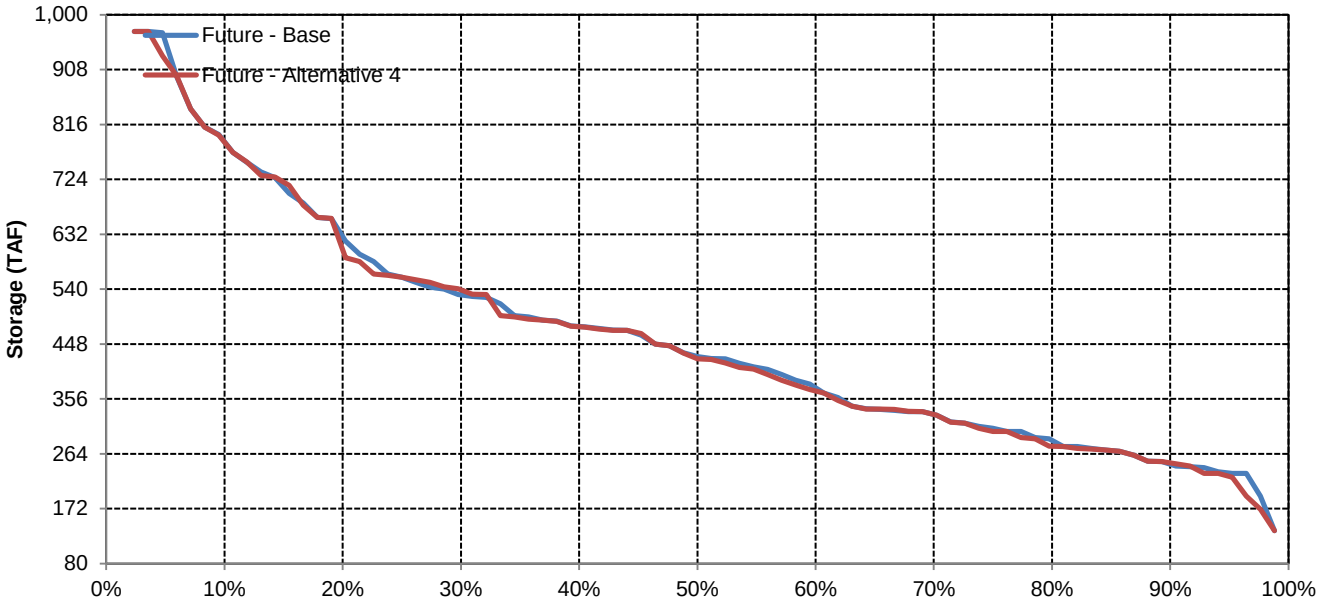


November

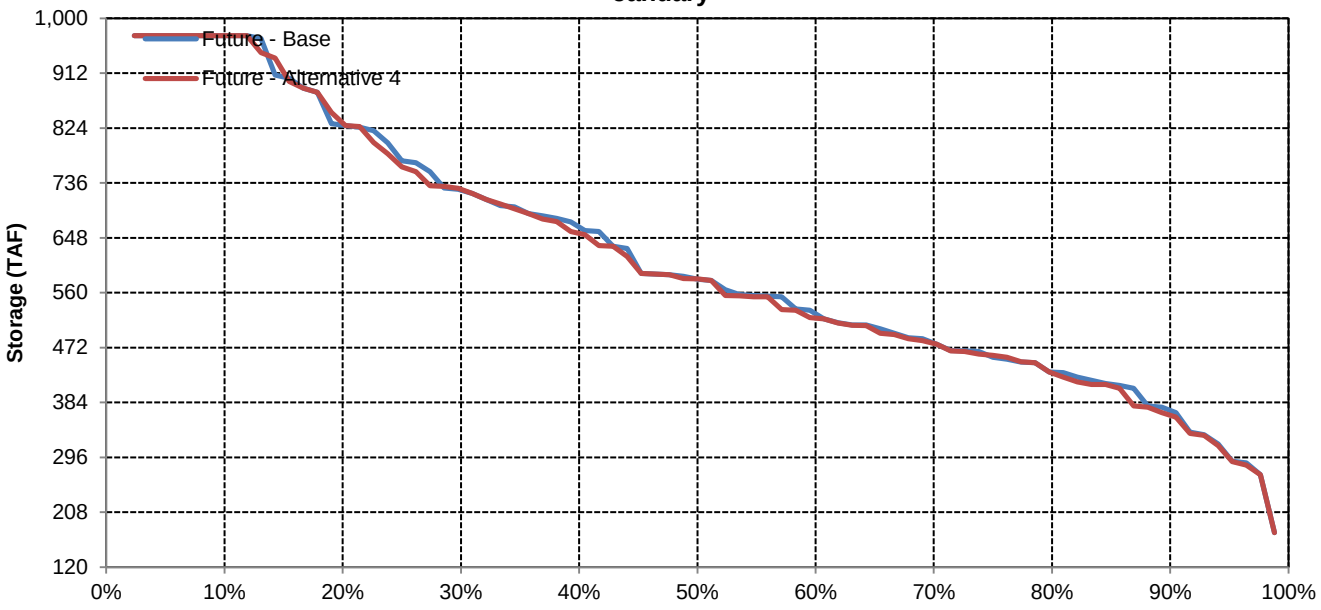


CVP San Luis Reservoir

December

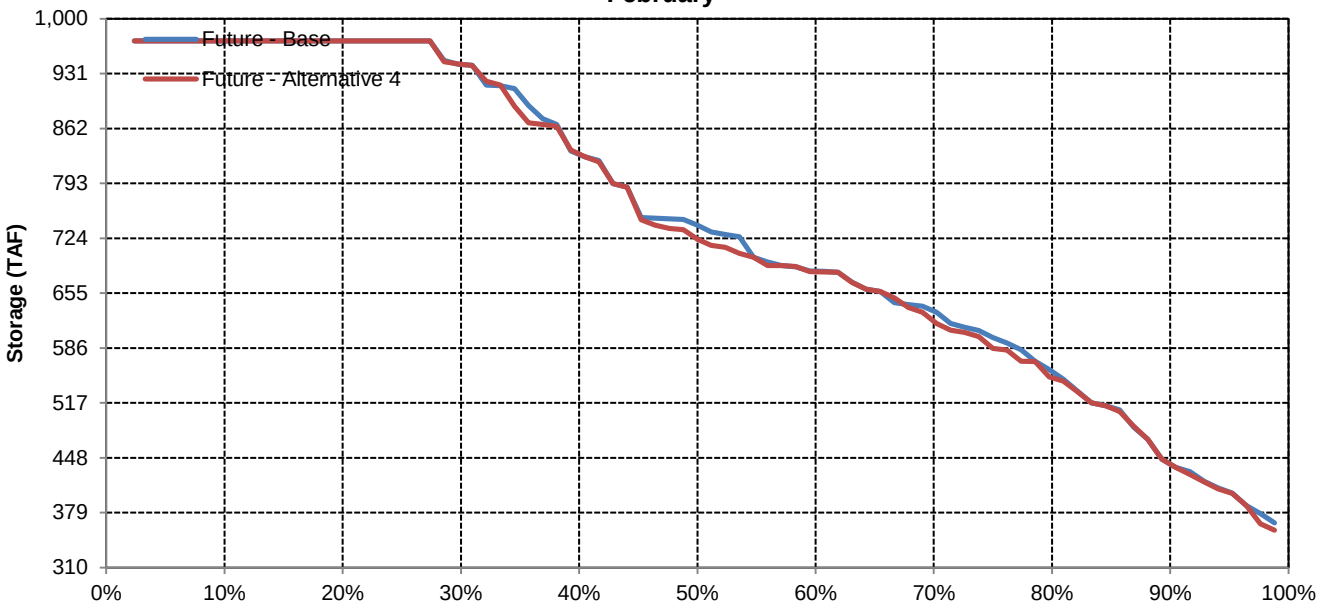


January

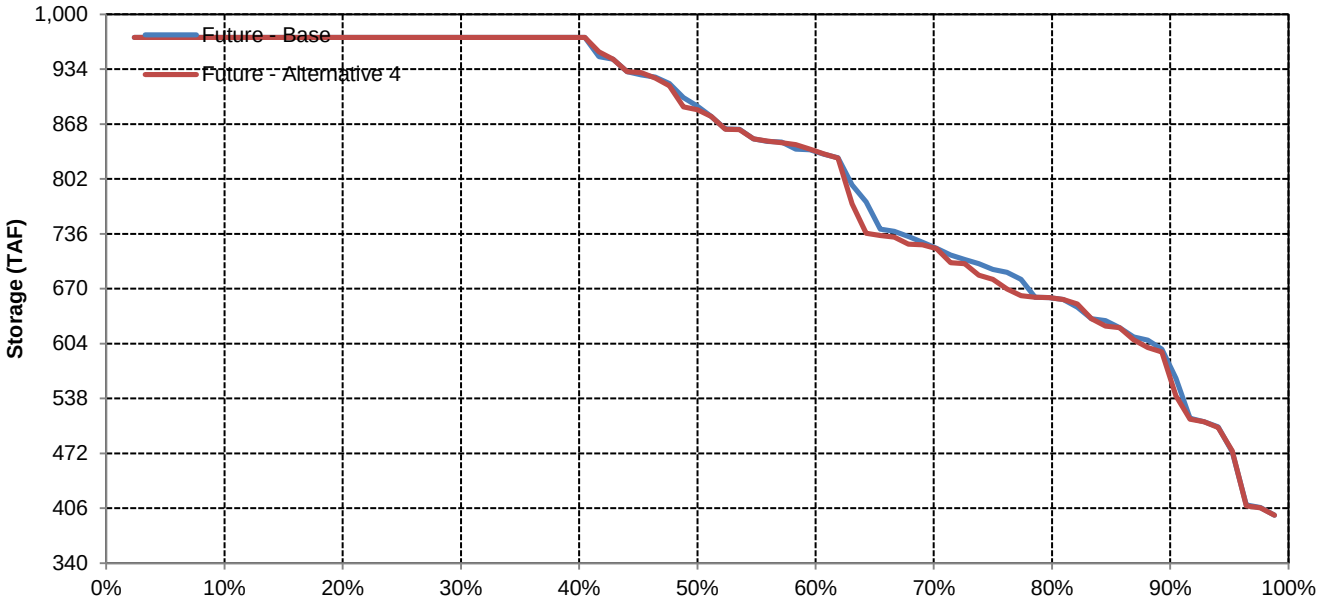


CVP San Luis Reservoir

February

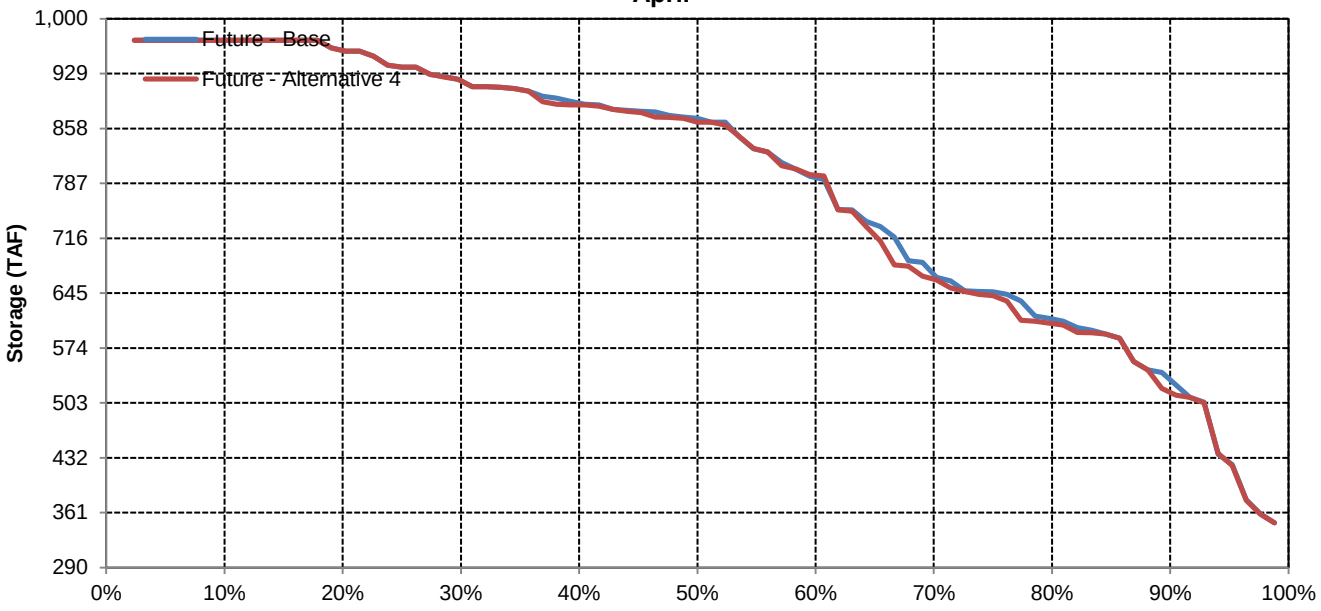


March

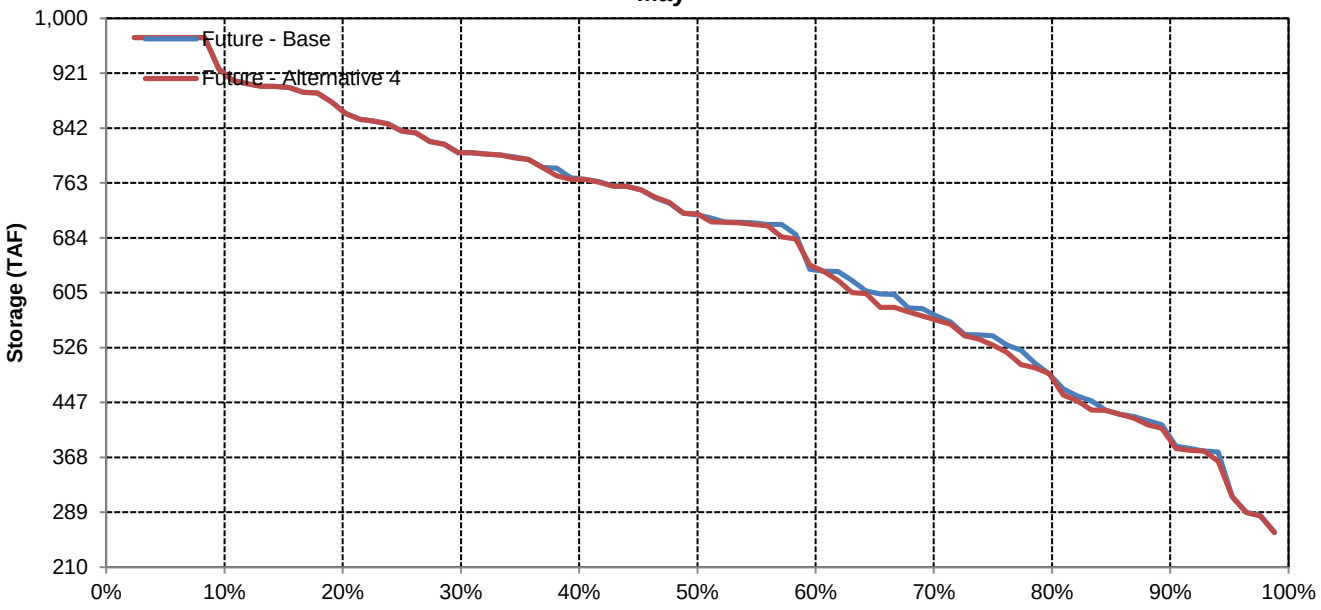


CVP San Luis Reservoir

April

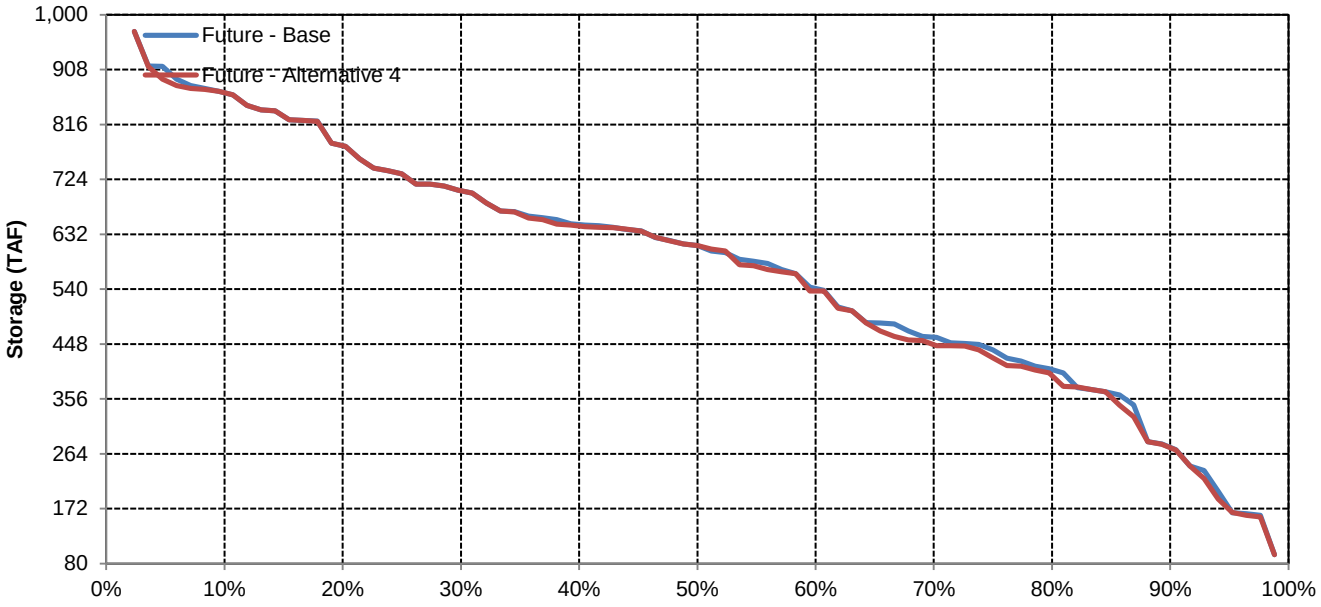


May

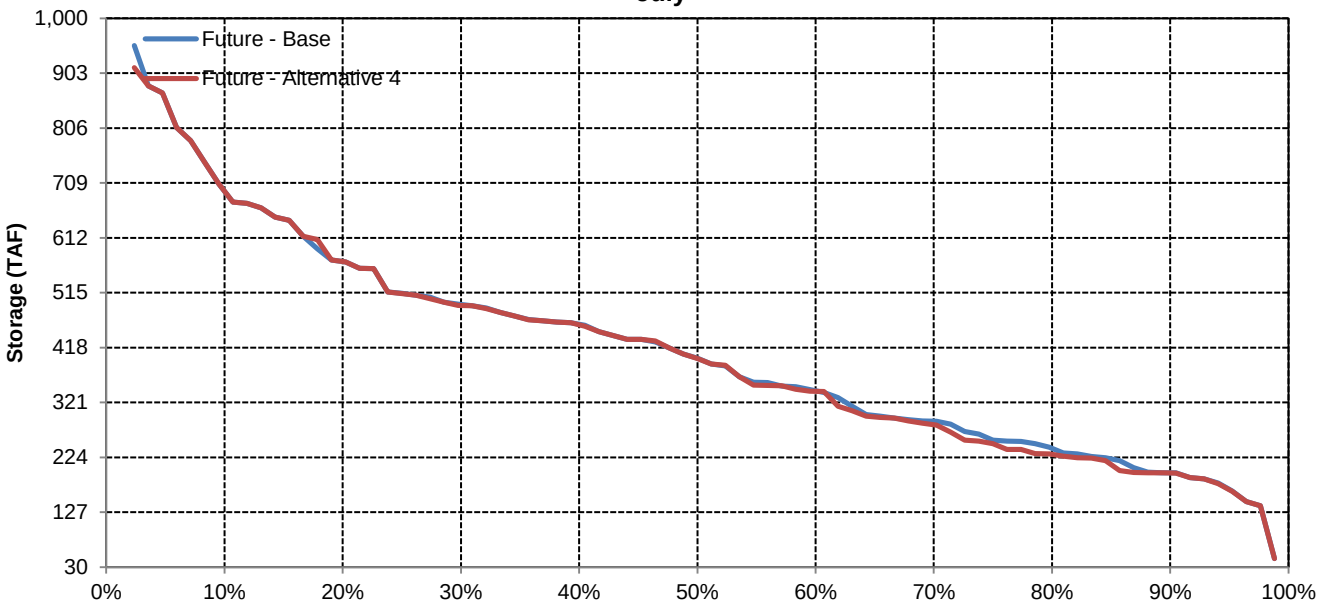


CVP San Luis Reservoir

June

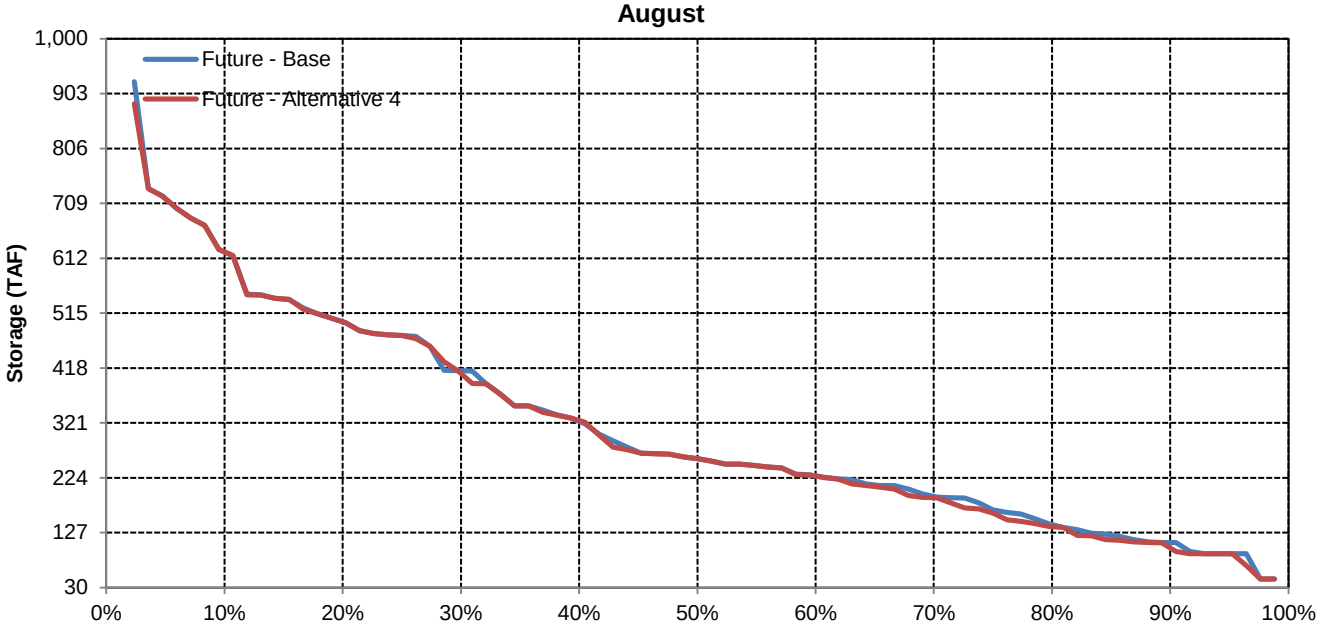


July

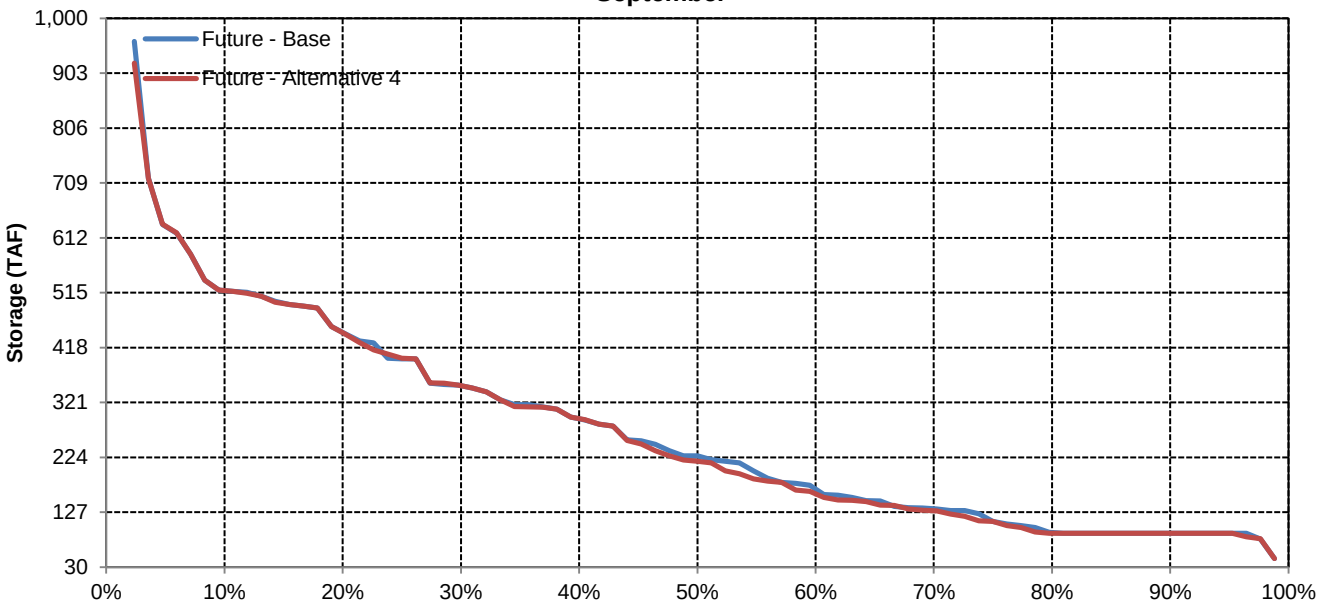


CVP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of SWP San Luis Reservoir Under Future - Base and Future - Alternative 4

	Average Storage (TAF)											
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**
						Long-Term						
Full Simulation Period												
Future - Base	181	218	351	573	767	885	811	640	506	467	355	257
Future - Alternative 4	180	218	350	571	764	883	809	639	506	467	355	257
Difference	0	0	-1	-3	-2	-2	-2	-2	0	0	0	0
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
						Water Year-Types						
Wet												
Future - Base	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Future - Alternative 4	202	282	504	819	1,010	1,058	950	746	543	551	458	319
Difference	-1	0	-1	-3	-1	0	-1	-1	1	1	0	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal												
Future - Base	154	177	288	602	890	1,035	904	639	536	533	415	285
Future - Alternative 4	151	173	277	593	887	1,032	902	637	534	531	413	284
Difference	-3	-3	-11	-9	-4	-2	-2	-2	-2	-2	-2	-1
Percent Difference	-2%	-2%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal												
Future - Base	158	169	276	398	650	887	815	629	522	492	321	226
Future - Alternative 4	159	169	277	397	647	885	813	624	520	490	320	226
Difference	0	0	1	-1	-3	-2	-2	-5	-2	-2	-1	-1
Percent Difference	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
Dry												
Future - Base	169	206	304	453	620	767	724	597	504	425	286	210
Future - Alternative 4	169	206	304	451	615	762	720	595	506	425	287	210
Difference	0	0	0	-2	-5	-5	-4	-2	2	1	1	0
Percent Difference	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%
Critical												
Future - Base	203	190	237	399	497	565	563	496	384	272	225	207
Future - Alternative 4	204	193	239	400	498	565	563	496	381	272	229	210
Difference	1	3	1	1	1	0	0	0	-3	0	3	3
Percent Difference	0%	2%	0%	0%	0%	0%	0%	0%	-1%	0%	1%	2%

Future - Base

	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	315	489	775	1,067	1,067	1,067	1,021	828	699	642	503	311
20%	247	327	590	954	1,067	1,067	959	755	649	601	410	291
30%	211	266	394	761	1,067	1,067	945	701	621	551	383	268
40%	165	235	339	664	984	1,067	921	680	601	539	371	243
50%	145	178	282	538	818	1,067	897	643	567	505	355	237
60%	128	94	223	455	664	944	869	621	492	462	333	225
70%	114	55	183	369	597	745	733	586	381	341	315	210
80%	90	55	116	243	482	636	621	505	332	279	229	196
90%	55	55	59	155	322	485	503	404	248	235	165	156
Long Term												
Full Simulation Period	181	218	351	573	767	885	811	640	506	467	355	257
Water Year Types												
Wet	203	282	505	823	1,011	1,058	951	746	542	550	458	320
Above Normal	154	177	288	602	890	1,035	904	639	536	533	415	285
Below Normal	158	169	276	398	650	887	815	629	522	492	321	226
Dry	169	206	304	453	620	767	724	597	504	425	286	210
Critical	203	190	237	399	497	565	563	496	384	272	225	207

Future - Alternative 4

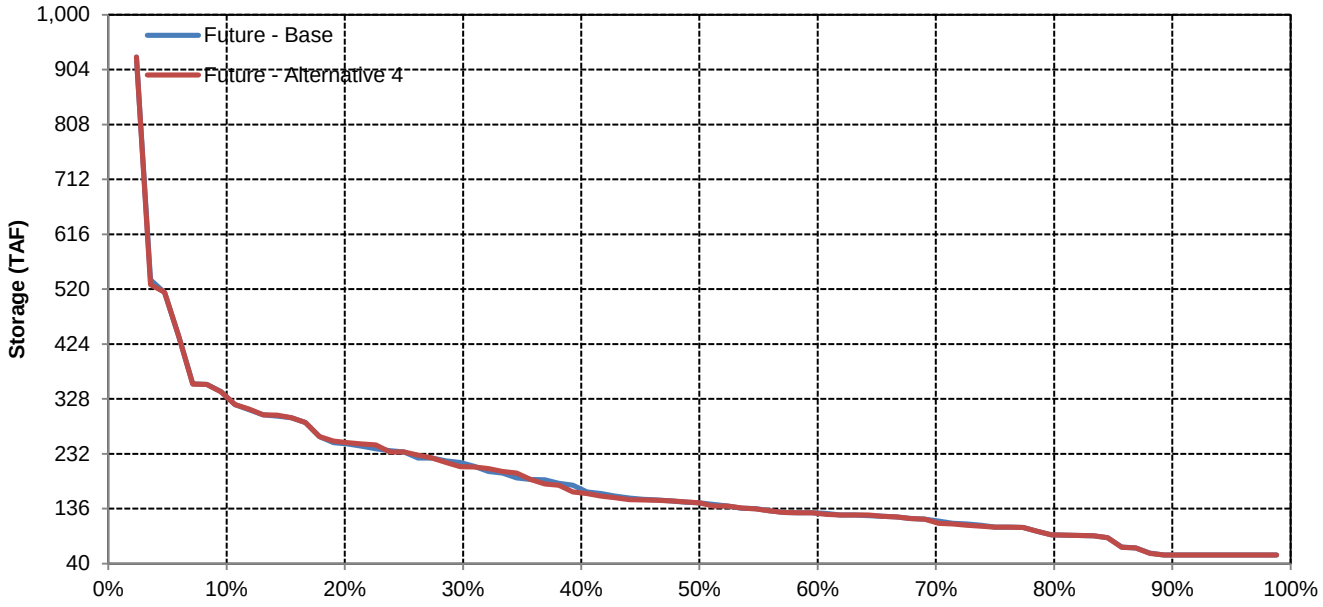
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	316	484	780	1,067	1,067	1,067	1,019	829	699	638	505	311
20%	250	326	588	955	1,067	1,067	957	755	647	602	410	291
30%	209	278	394	751	1,067	1,067	945	700	621	567	383	269
40%	161	232	333	641	985	1,067	914	678	598	539	371	249
50%	143	178	282	527	808	1,067	895	643	567	504	356	237
60%	127	80	222	454	674	945	867	620	499	462	342	225
70%	110	55	173	345	596	743	730	592	381	343	316	210
80%	90	55	116	240	470	642	614	490	326	278	226	196
90%	55	55	59	154	316	485	502	407	248	235	167	153
Long Term												
Full Simulation Period	180	218	350	571	764	883	809	639	506	467	355	257
Water Year Types												
Wet	202	282	504	819	1,010	1,058	950	746	543	551	458	319
Above Normal	151	173	277	593	887	1,032	902	637	534	531	413	284
Below Normal	159	169	277	397	647	885	813	624	520	490	320	226
Dry	169	206	304	451	615	762	720	595	506	425	287	210
Critical	204	193	239	400	498	565	563	496	381	272	229	210

Future - Alternative 4 Minus Future - Base

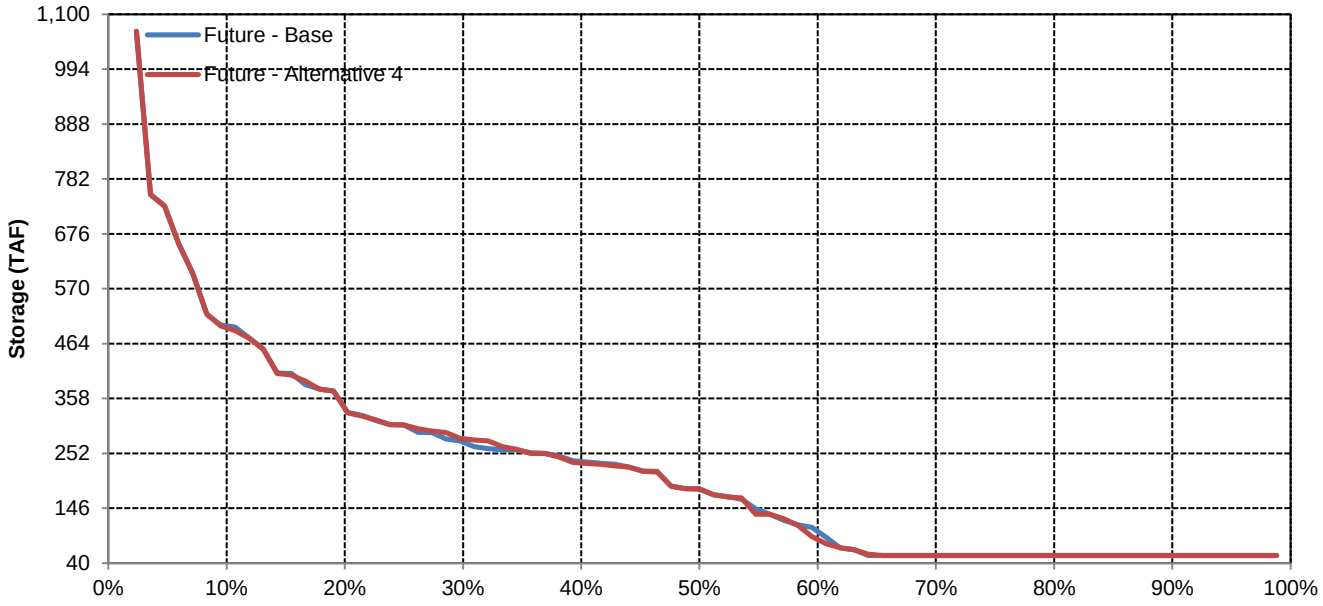
	End-of-Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	-5	6	0	0	0	-2	1	0	-4	3	0
20%	3	-1	-3	1	0	0	-2	0	-1	1	1	0
30%	-2	12	0	-10	0	0	0	0	0	16	0	0
40%	-3	-2	-6	-23	1	0	-7	-2	-3	0	0	6
50%	-1	0	0	-11	-10	0	-2	0	-1	-1	1	0
60%	-2	-14	0	-1	10	1	-2	-1	7	0	9	0
70%	-4	0	-10	-23	-1	-2	-3	6	0	1	0	0
80%	0	0	0	-2	-12	6	-7	-16	-5	-1	-3	0
90%	0	0	0	-1	-6	-1	-1	3	0	0	2	-3
Long Term												
Full Simulation Period	0	0	-1	-3	-2	-2	-2	-2	0	0	0	0
Water Year Types												
Wet	-1	0	-1	-3	-1	0	-1	-1	1	1	0	-1
Above Normal	-3	-3	-11	-9	-4	-2	-2	-2	-2	-2	-2	-1
Below Normal	0	0	1	-1	-3	-2	-2	-5	-2	-2	-1	-1
Dry	0	0	0	-2	-5	-5	-4	-2	2	1	1	0
Critical	1	3	1	1	1	0	0	0	-3	0	3	3

SWP San Luis Reservoir

October

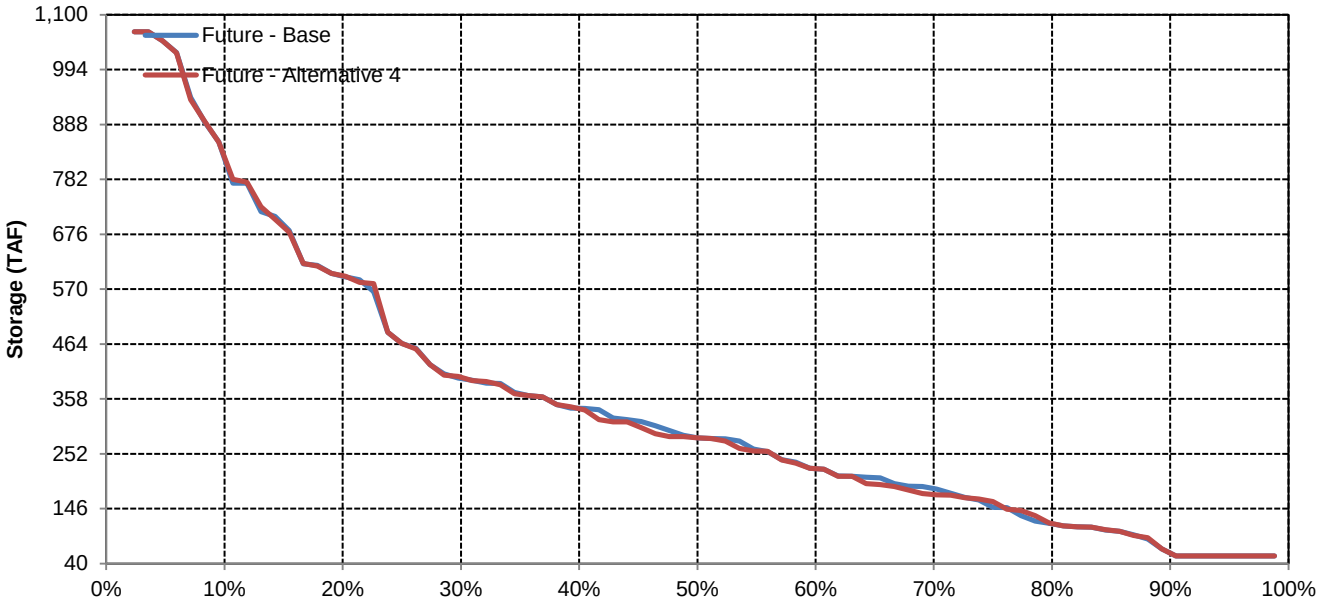


November

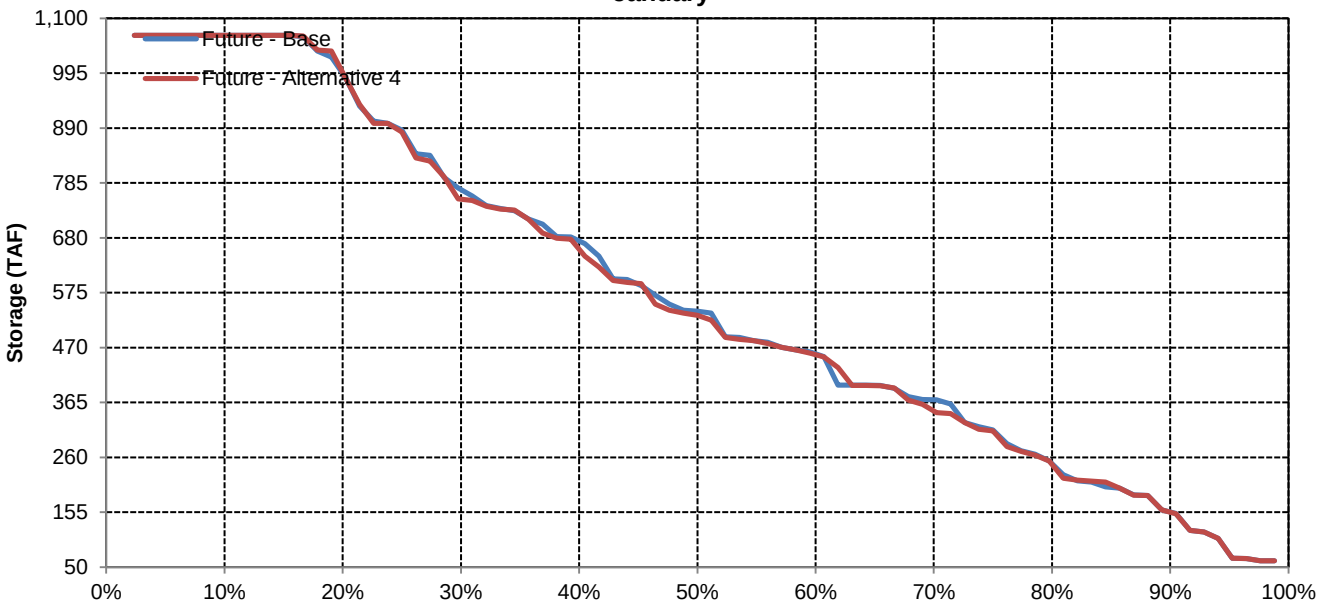


SWP San Luis Reservoir

December

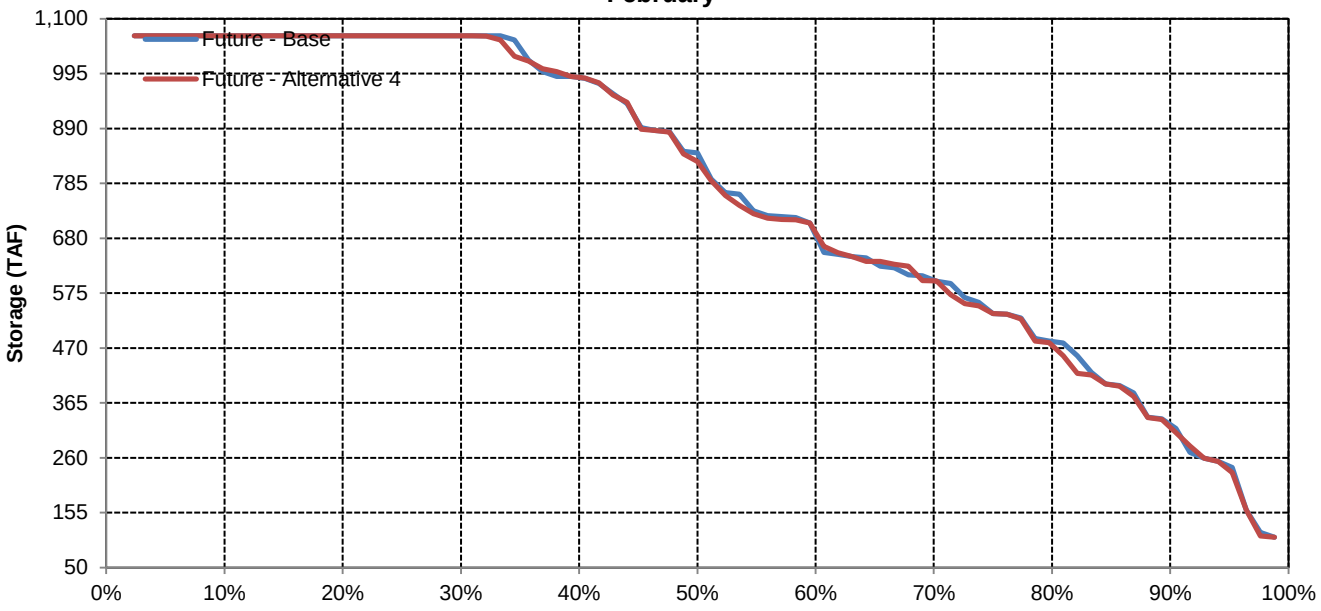


January

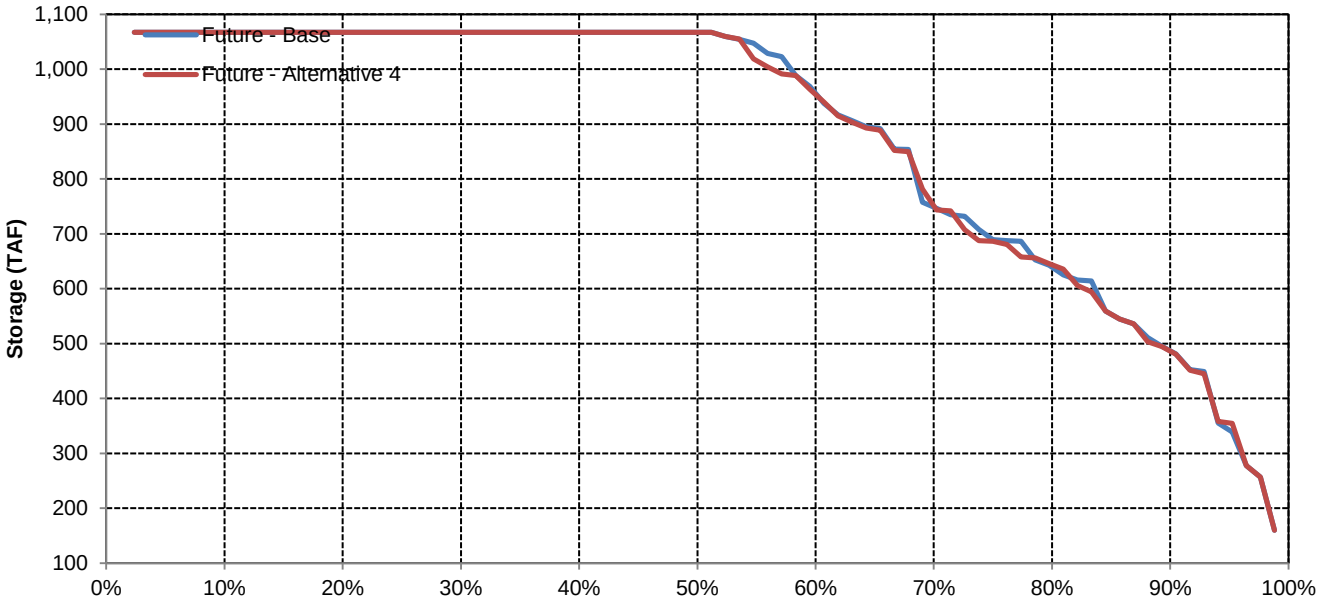


SWP San Luis Reservoir

February

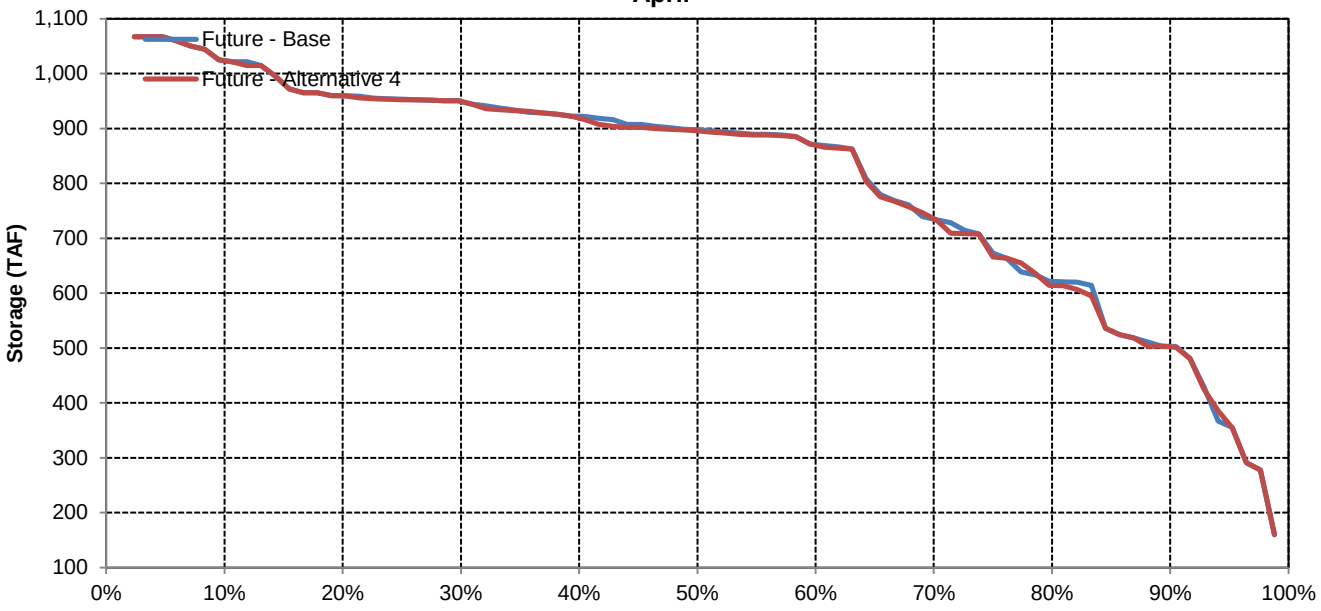


March

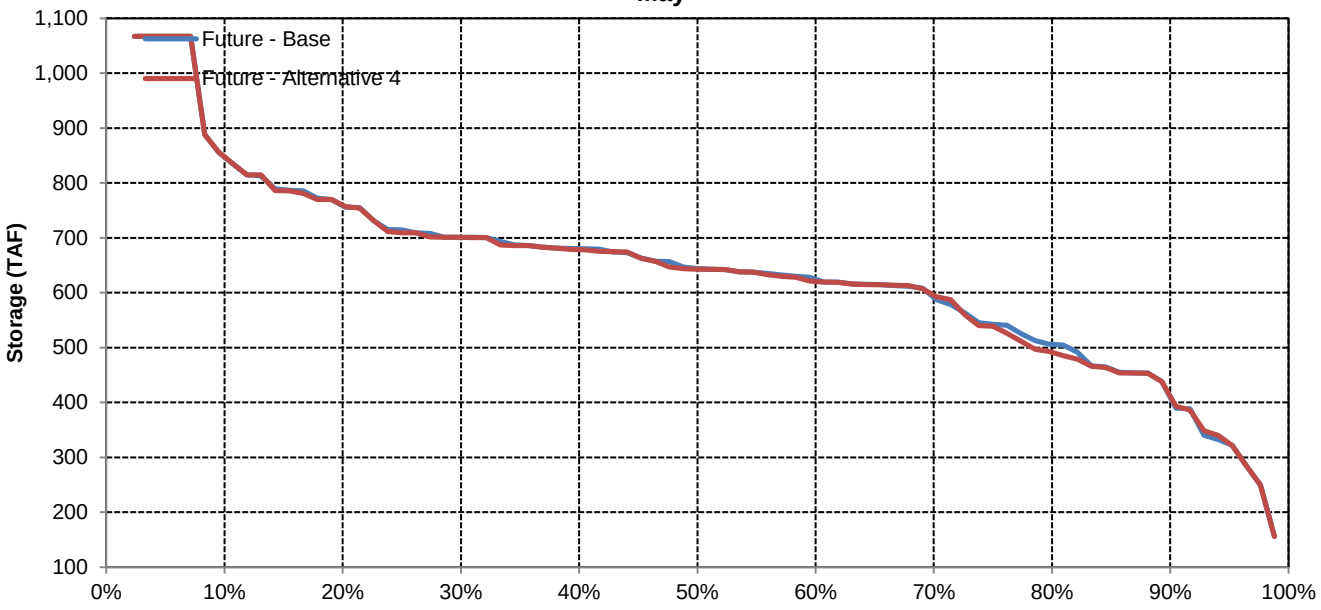


SWP San Luis Reservoir

April

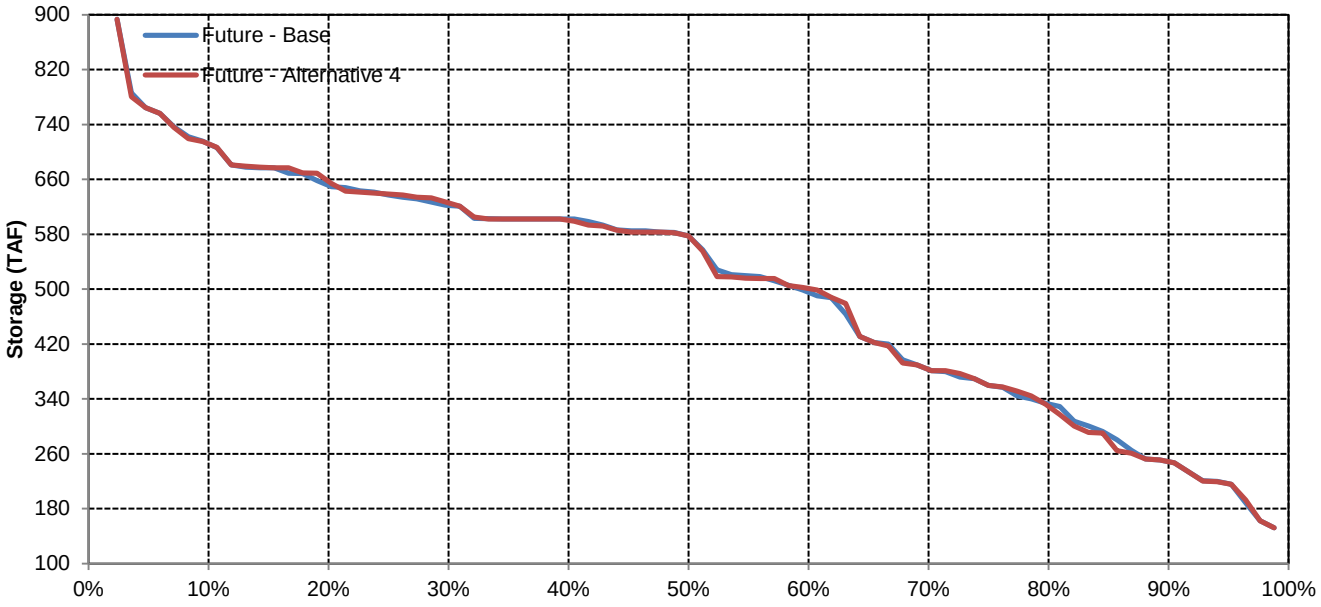


May

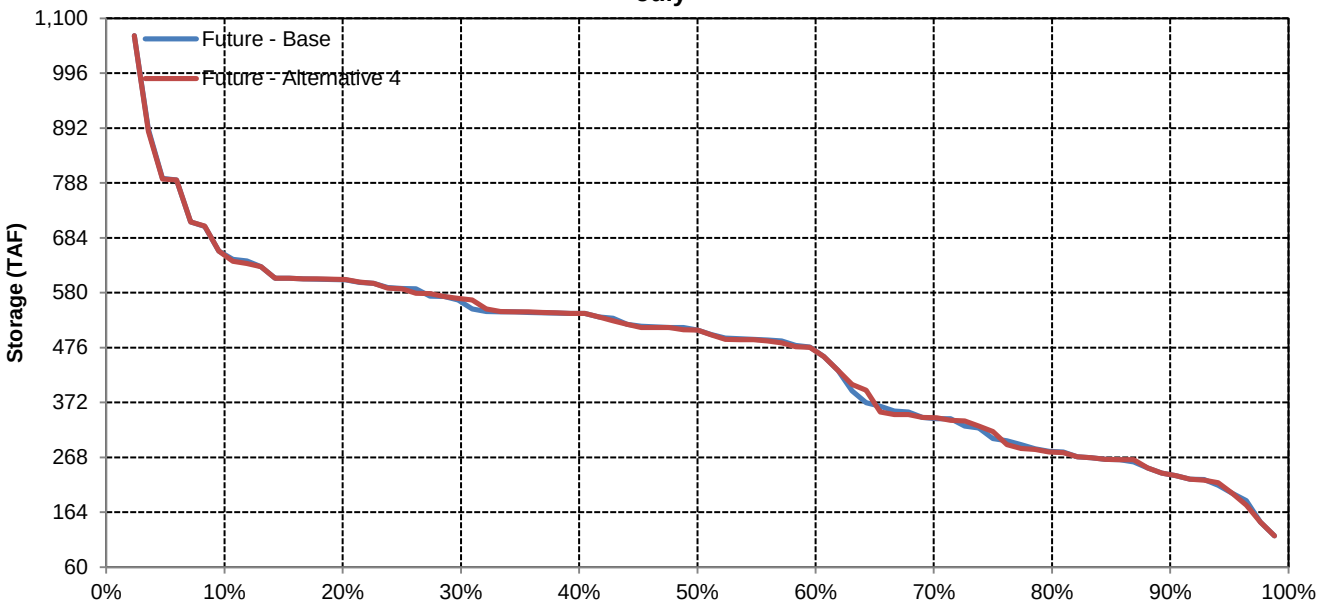


SWP San Luis Reservoir

June

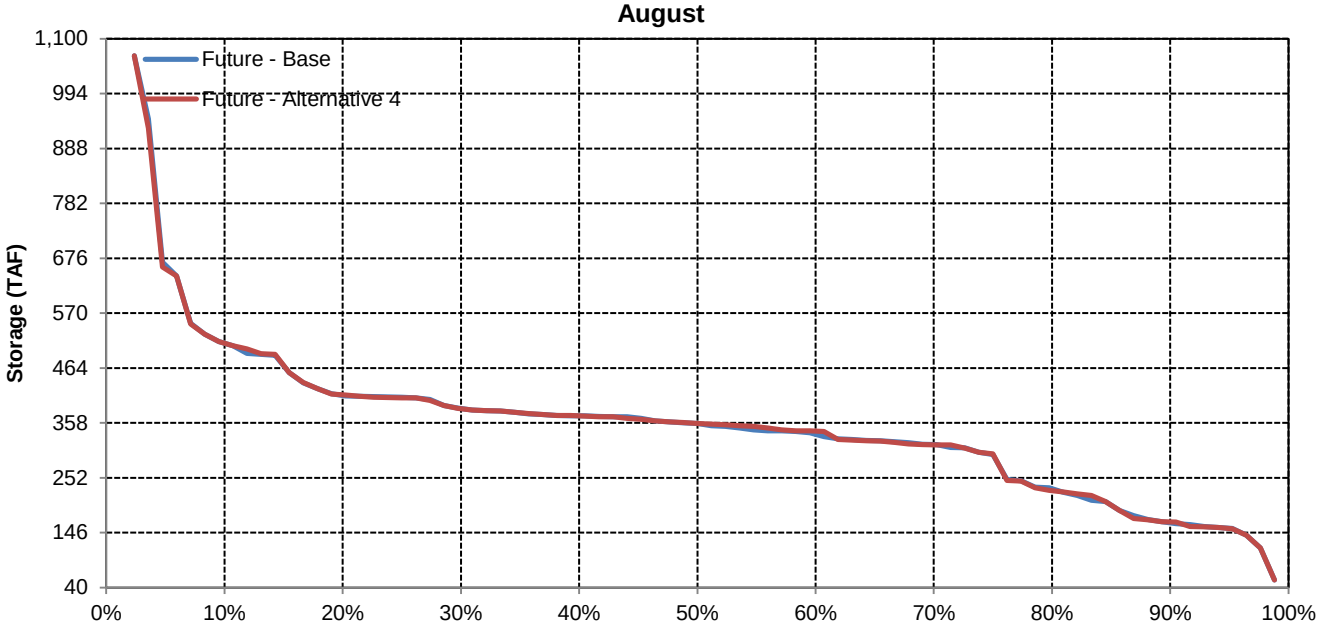


July

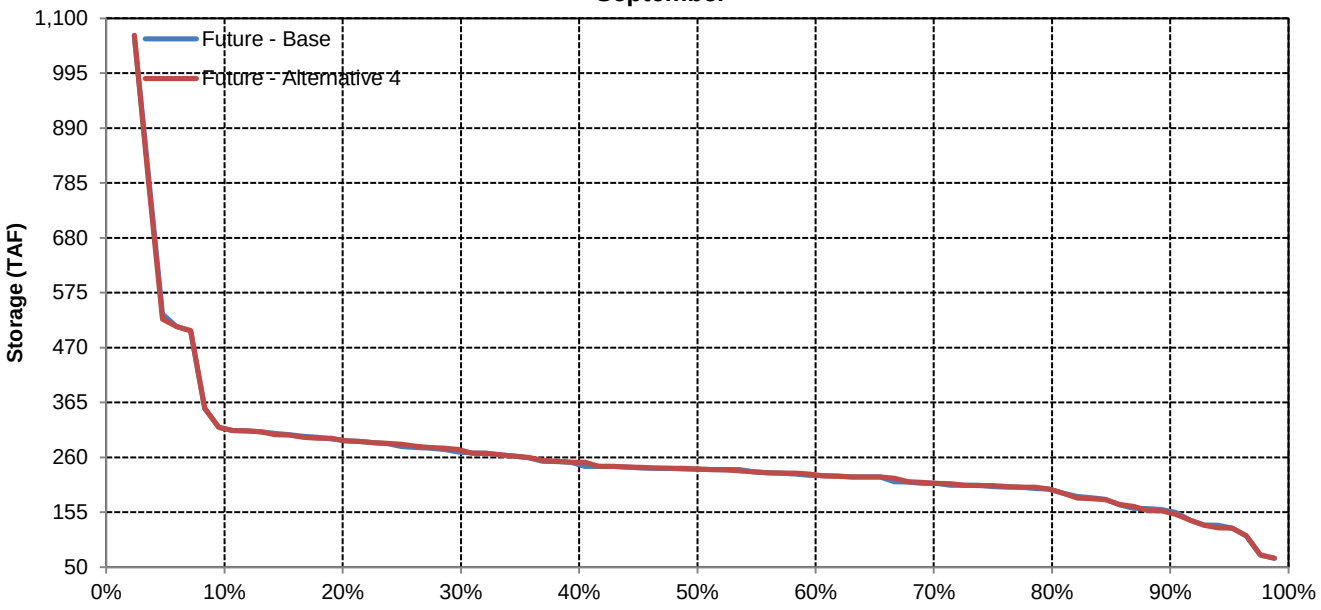


SWP San Luis Reservoir

August



September



Long-Term and Water Year-Type Average of Delta Outflow Under Future - Base and Future - Alternative 4

	Average Flow (cfs)												
Analysis Period	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**Total (TAF)**
							Long-Term						
Full Simulation Period													
Future - Base	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294	17,604
Future - Alternative 4	8,448	10,098	24,881	54,918	70,116	52,494	29,067	14,175	8,598	7,157	4,276	10,293	17,611
Difference	39	-1	-8	22	67	-6	6	-4	-7	0	2	0	6
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
							Water Year-Types						
Wet													
Future - Base	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635	32,826
Future - Alternative 4	9,559	15,082	53,673	116,016	131,949	101,996	53,310	21,071	11,286	9,709	4,000	21,635	32,834
Difference	18	-6	26	32	45	-5	29	-4	1	0	0	0	8
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal													
Future - Base	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224	19,718
Future - Alternative 4	9,167	8,854	16,258	59,644	102,601	57,126	27,006	15,829	8,578	8,900	4,000	13,224	19,727
Difference	131	0	-35	-41	197	-86	2	0	-1	1	0	0	9
Percent Difference	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Normal													
Future - Base	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000	10,623
Future - Alternative 4	8,531	9,080	13,798	28,460	31,524	29,263	21,994	12,959	7,607	6,651	4,140	3,000	10,629
Difference	70	9	-6	45	-13	17	0	-13	2	-3	2	0	7
Percent Difference	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry													
Future - Base	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000	8,395
Future - Alternative 4	7,617	7,888	10,146	15,937	29,506	24,345	15,132	9,859	7,160	5,000	4,785	3,000	8,402
Difference	6	-3	11	36	55	23	-7	-1	2	0	0	0	7
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical													
Future - Base	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092	5,600
Future - Alternative 4	6,677	5,227	6,966	11,842	15,860	13,078	9,319	6,230	6,262	4,171	4,427	3,091	5,600
Difference	24	0	-88	11	104	-6	-11	1	-55	1	12	-1	-1
Percent Difference	0%	0%	-1%	0%	1%	0%	0%	0%	-1%	0%	0%	0%	0%

Delta Outflow

Future - Base

	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,938	15,863	79,058	151,208	180,010	107,880	70,644	27,159	11,545	10,516	4,885	21,875
20%	10,625	14,764	33,428	92,252	125,923	89,027	38,581	18,353	10,462	9,612	4,709	21,563
30%	10,313	11,693	17,489	56,706	77,981	62,254	28,814	14,204	8,749	9,048	4,349	20,938
40%	7,625	11,004	14,366	33,893	58,622	40,886	20,594	12,808	8,409	8,000	4,217	13,062
50%	7,160	8,104	11,802	26,142	43,165	27,471	17,579	11,253	7,899	6,666	4,000	3,000
60%	6,994	4,500	8,257	19,228	24,986	20,728	15,558	10,174	7,418	6,500	4,000	3,000
70%	6,613	4,500	5,323	14,908	20,687	17,661	13,640	9,584	7,100	5,000	4,000	3,000
80%	6,259	4,500	4,500	13,125	16,723	14,481	11,153	8,460	7,100	5,000	4,000	3,000
90%	5,678	3,500	4,500	8,401	12,239	11,400	10,016	7,100	6,799	4,065	4,000	3,000
Long Term												
Full Simulation Period	8,408	10,099	24,888	54,896	70,049	52,500	29,061	14,179	8,605	7,157	4,274	10,294
Water Year Types												
Wet	9,541	15,088	53,646	115,984	131,904	102,001	53,280	21,075	11,285	9,709	4,000	21,635
Above Normal	9,036	8,854	16,293	59,685	102,404	57,212	27,004	15,829	8,580	8,899	4,000	13,224
Below Normal	8,461	9,070	13,804	28,415	31,537	29,246	21,994	12,973	7,605	6,655	4,139	3,000
Dry	7,611	7,891	10,135	15,901	29,451	24,322	15,139	9,861	7,158	5,000	4,785	3,000
Critical	6,653	5,227	7,054	11,831	15,756	13,084	9,330	6,228	6,318	4,170	4,415	3,092

Future - Alternative 4

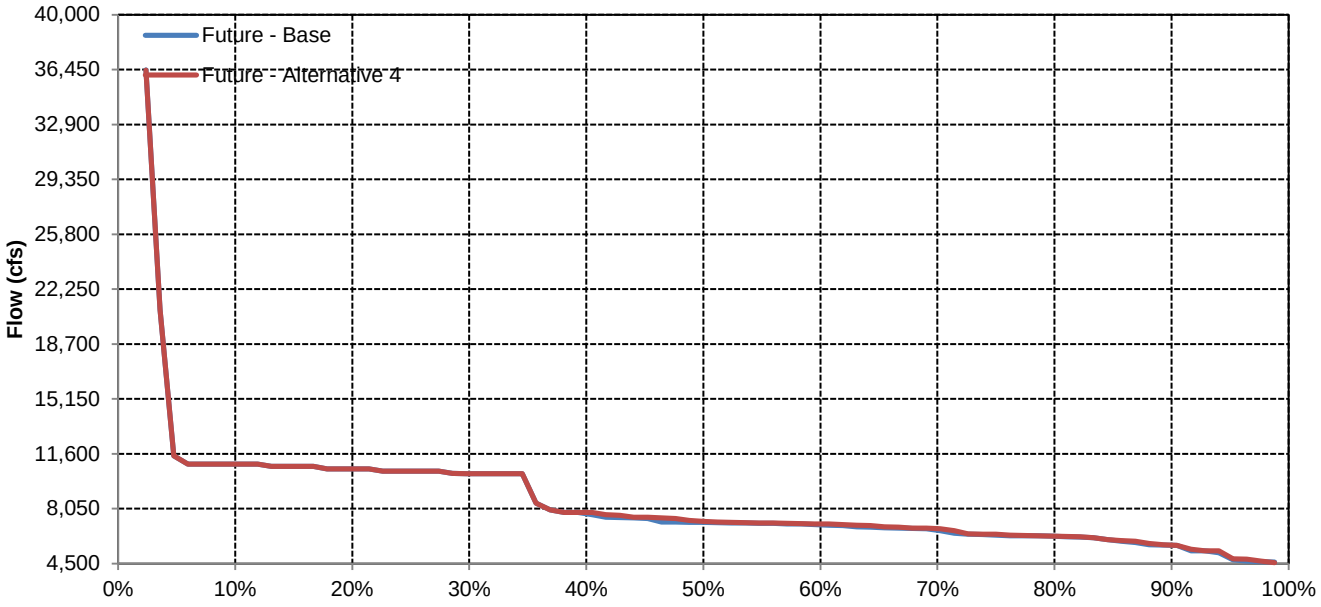
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,938	15,804	79,086	151,209	180,068	107,860	70,642	27,158	11,545	10,516	4,889	21,875
20%	10,625	14,764	33,594	91,768	126,760	88,804	38,581	18,350	10,469	9,613	4,708	21,563
30%	10,313	11,693	17,496	57,072	77,981	61,542	28,814	14,204	8,749	9,047	4,357	20,938
40%	7,772	11,004	14,389	33,914	58,622	40,831	20,594	12,808	8,409	8,000	4,214	13,062
50%	7,205	8,101	11,812	26,169	43,224	27,471	17,697	11,253	7,970	6,664	4,008	3,000
60%	7,055	4,500	8,203	19,274	25,095	20,735	15,558	10,169	7,276	6,500	4,000	3,000
70%	6,738	4,500	5,740	14,962	20,737	17,661	13,640	9,571	7,100	5,000	4,000	3,000
80%	6,266	4,500	4,500	13,132	16,777	14,506	11,114	8,469	7,100	5,000	4,000	3,000
90%	5,692	3,500	4,500	8,404	12,280	11,400	10,027	7,100	6,799	4,069	4,000	3,000
Long Term												
Full Simulation Period	8,448	10,098	24,881	54,918	70,116	52,494	29,067	14,175	8,598	7,157	4,276	10,293
Water Year Types												
Wet	9,559	15,082	53,673	116,016	131,949	101,996	53,310	21,071	11,286	9,709	4,000	21,635
Above Normal	9,167	8,854	16,258	59,644	102,601	57,126	27,006	15,829	8,578	8,900	4,000	13,224
Below Normal	8,531	9,080	13,798	28,460	31,524	29,263	21,994	12,959	7,607	6,651	4,140	3,000
Dry	7,617	7,888	10,146	15,937	29,506	24,345	15,132	9,859	7,160	5,000	4,785	3,000
Critical	6,677	5,227	6,966	11,842	15,860	13,078	9,319	6,230	6,262	4,171	4,427	3,091

Future - Alternative 4 Minus Future - Base

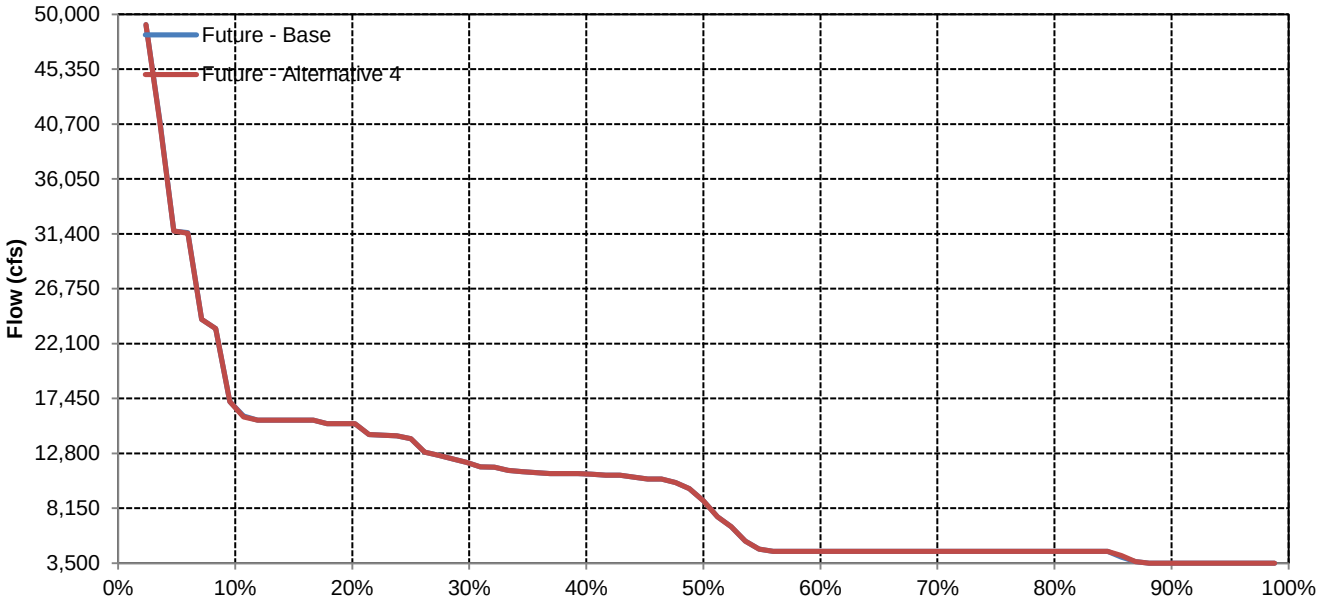
	Average Monthly Flow (cfs)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	-59	29	1	58	-20	-2	-1	0	0	4	0
20%	0	0	166	-484	837	-223	0	-2	7	0	0	0
30%	0	0	7	366	1	-712	0	0	0	0	8	0
40%	147	0	23	21	0	-55	0	0	0	0	-2	0
50%	44	-3	9	27	60	0	118	0	71	-3	8	0
60%	61	0	-53	46	109	6	0	-5	-142	0	0	0
70%	125	0	417	53	51	0	0	-13	0	0	0	0
80%	8	0	0	7	55	25	-39	9	0	0	0	0
90%	14	0	0	3	41	0	10	0	0	3	0	0
Long Term												
Full Simulation Period	39	-1	-8	22	67	-6	6	-4	-7	0	2	0
Water Year Types												
Wet	18	-6	26	32	45	-5	29	-4	1	0	0	0
Above Normal	131	0	-35	-41	197	-86	2	0	-1	1	0	0
Below Normal	70	9	-6	45	-13	17	0	-13	2	-3	2	0
Dry	6	-3	11	36	55	23	-7	-1	2	0	0	0
Critical	24	0	-88	11	104	-6	-11	1	-55	1	12	-1

Delta Outflow

October

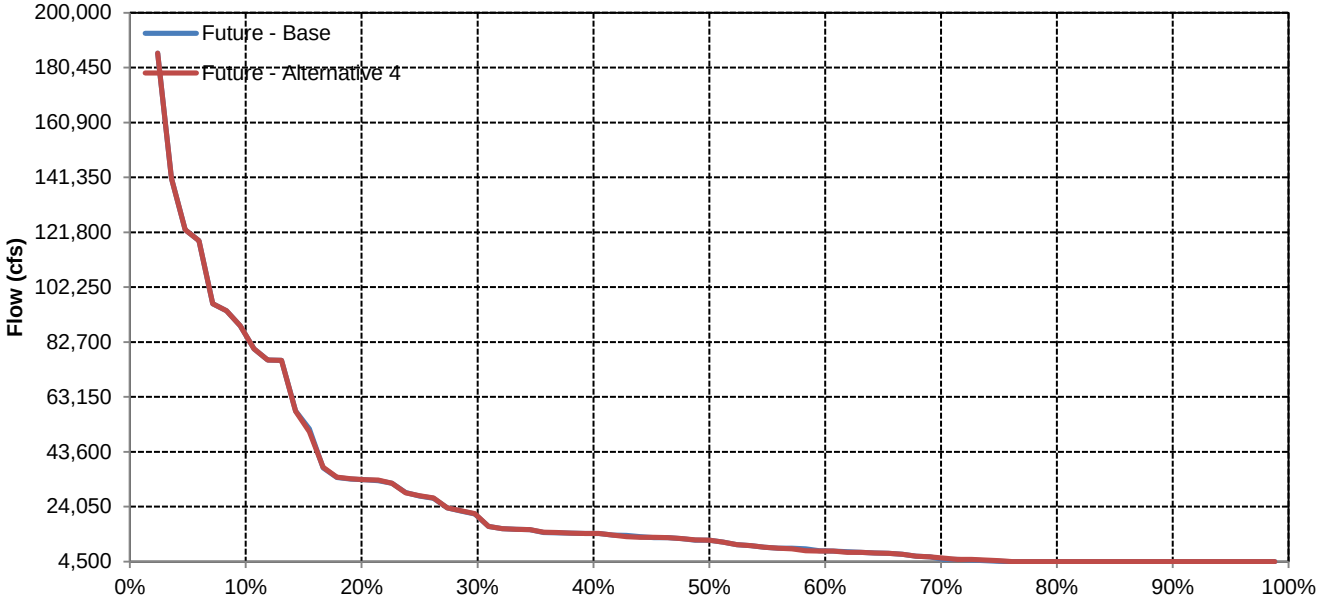


November



Delta Outflow

December



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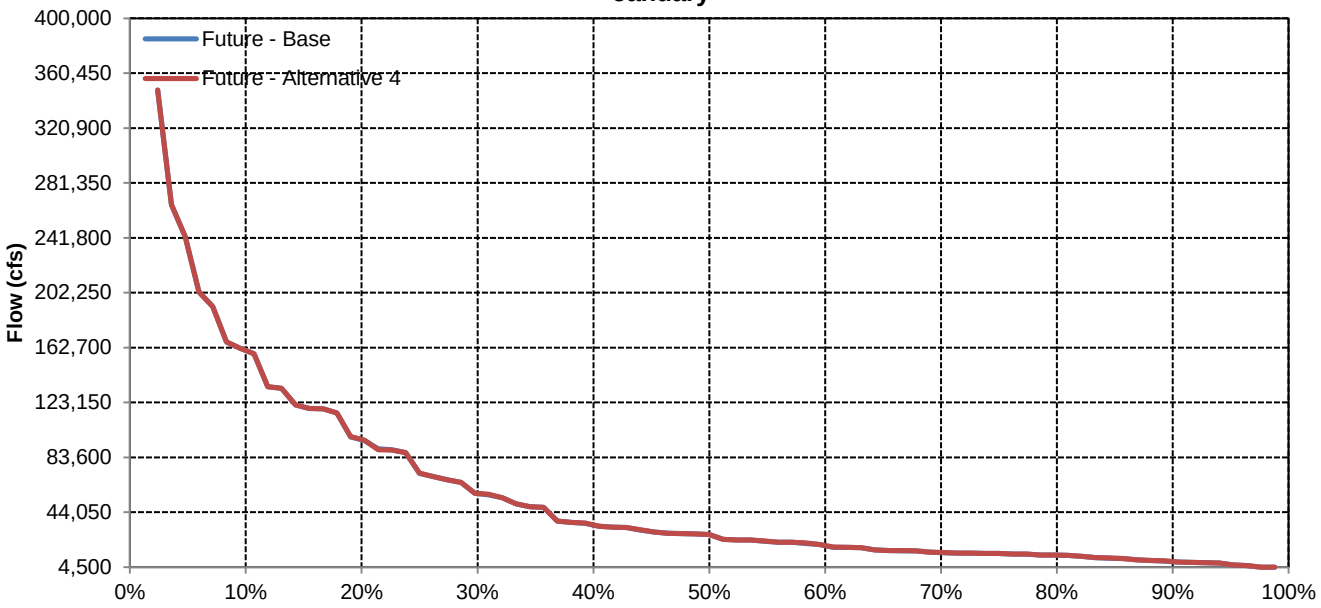
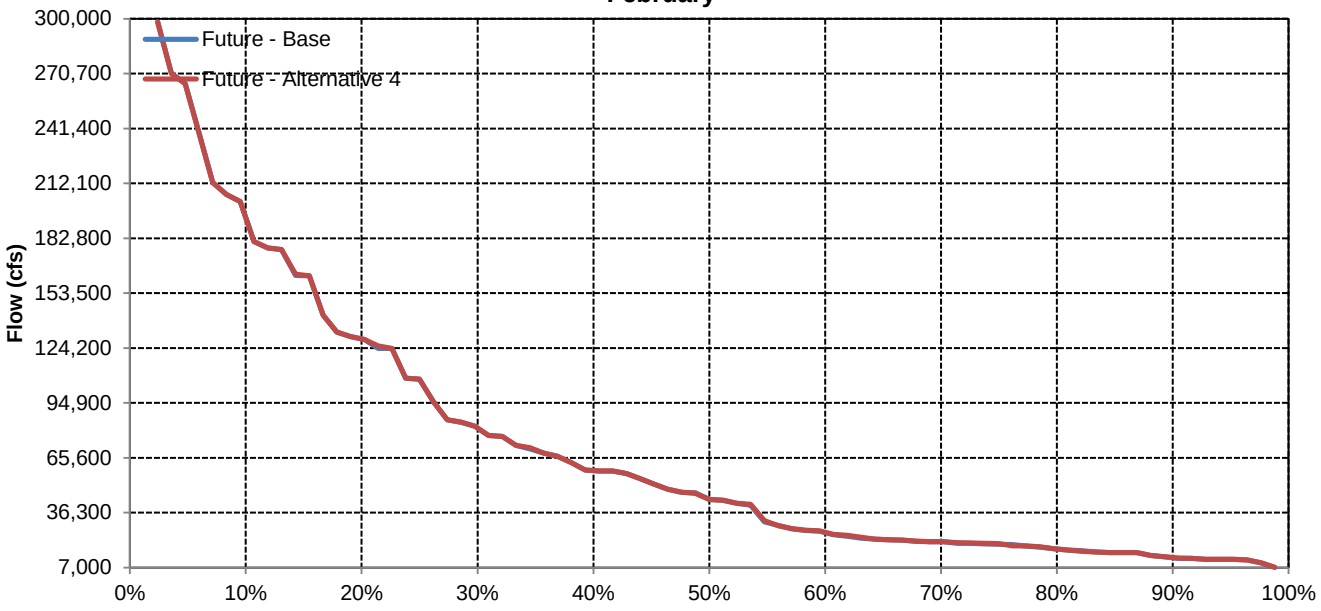
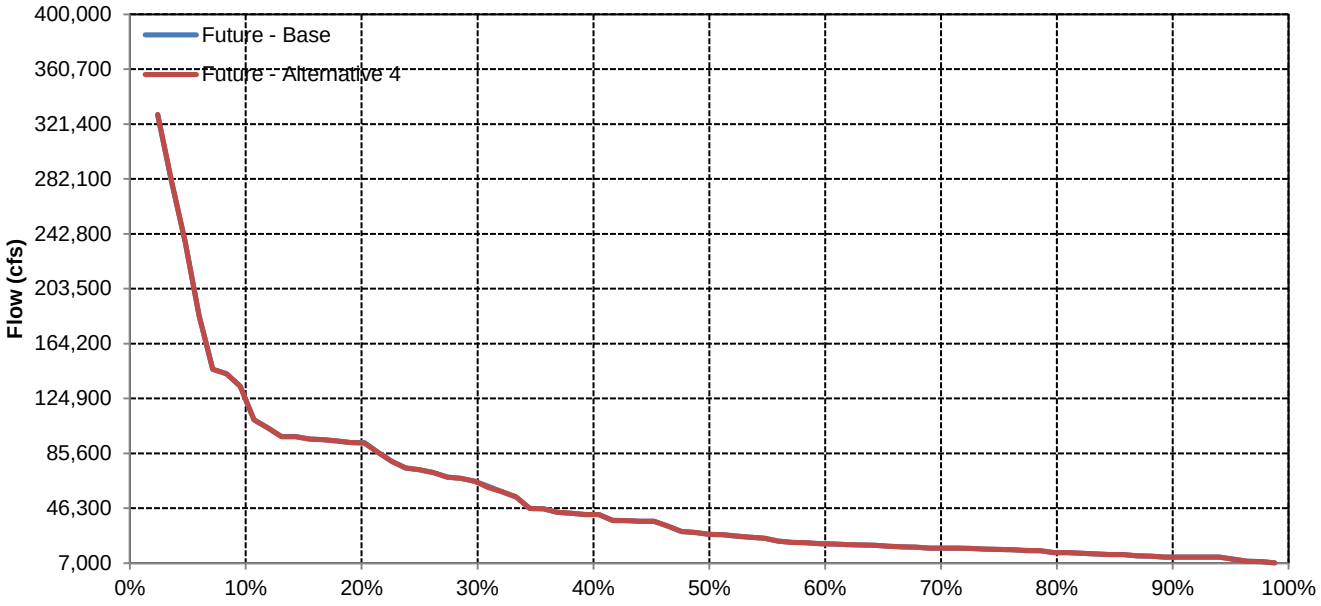


Delta Outflow

February

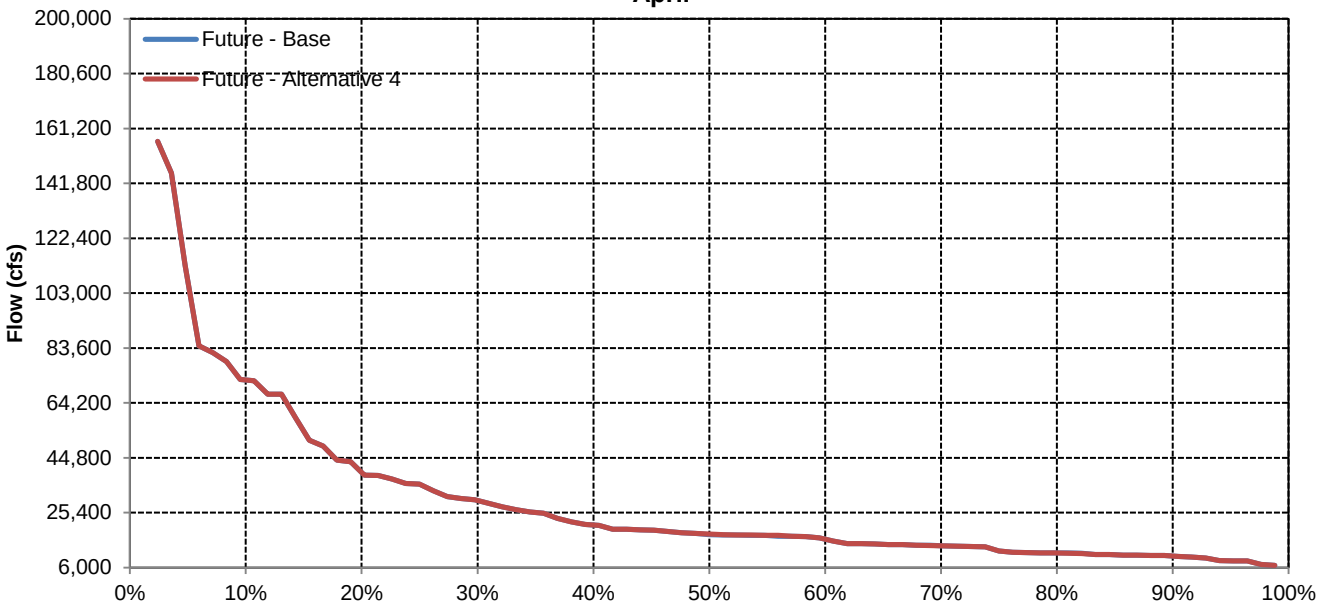


March

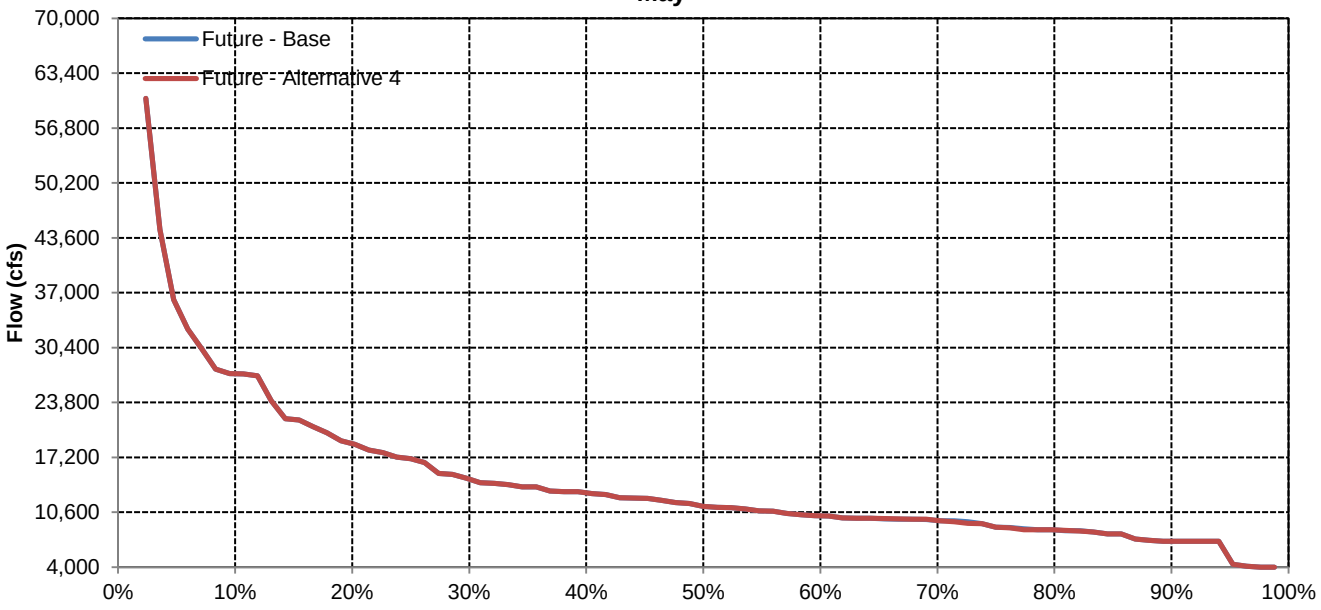


Delta Outflow

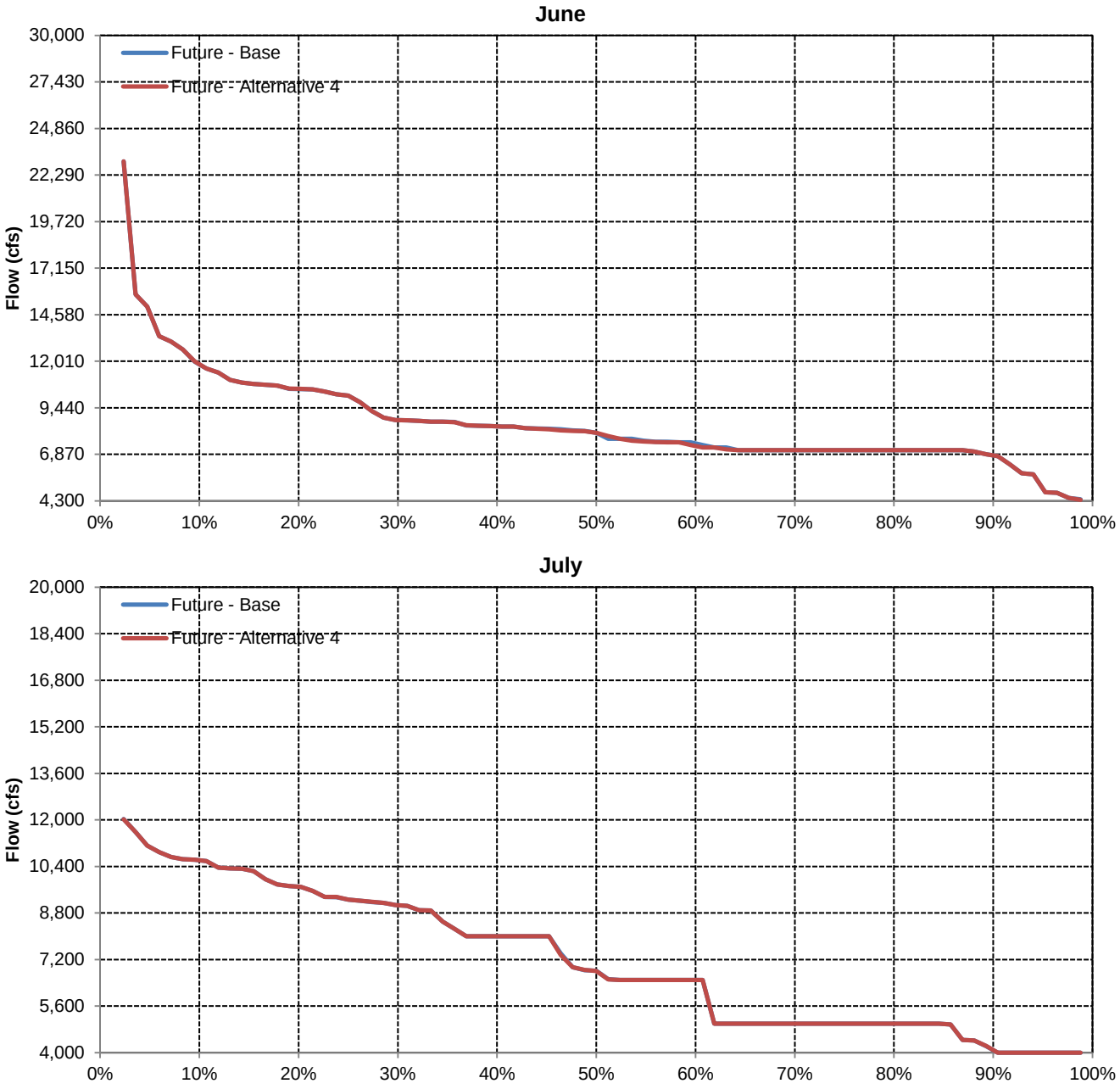
April



May

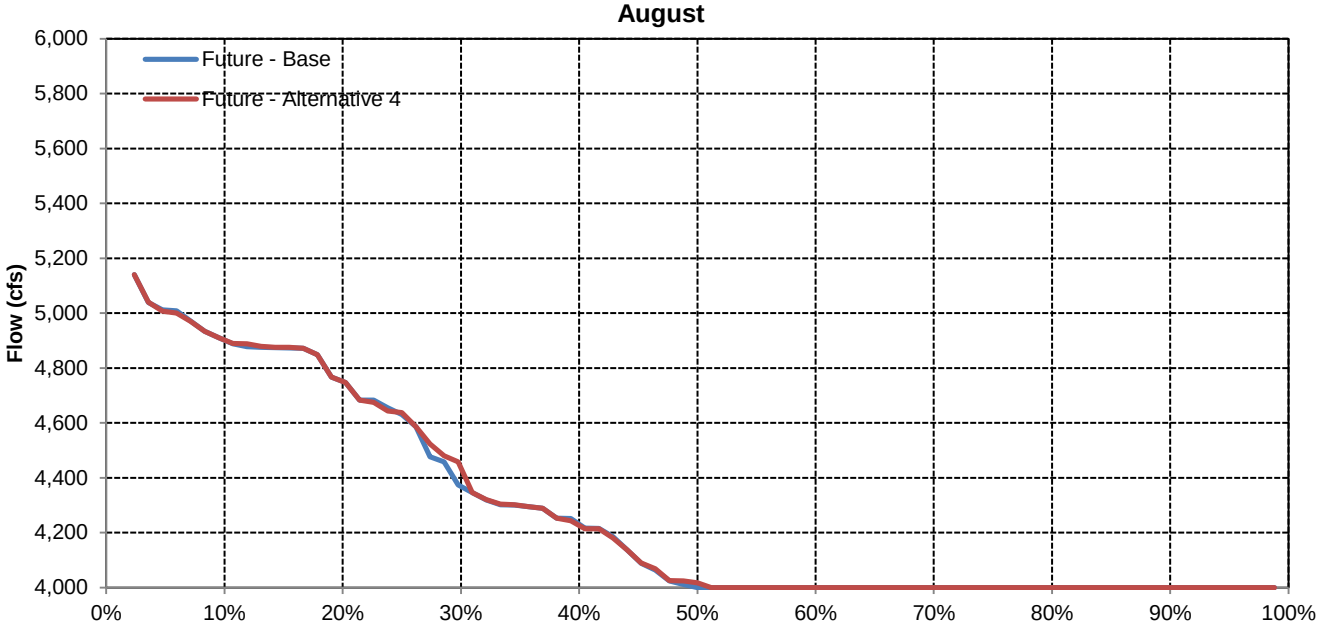


Delta Outflow



Delta Outflow

August



September

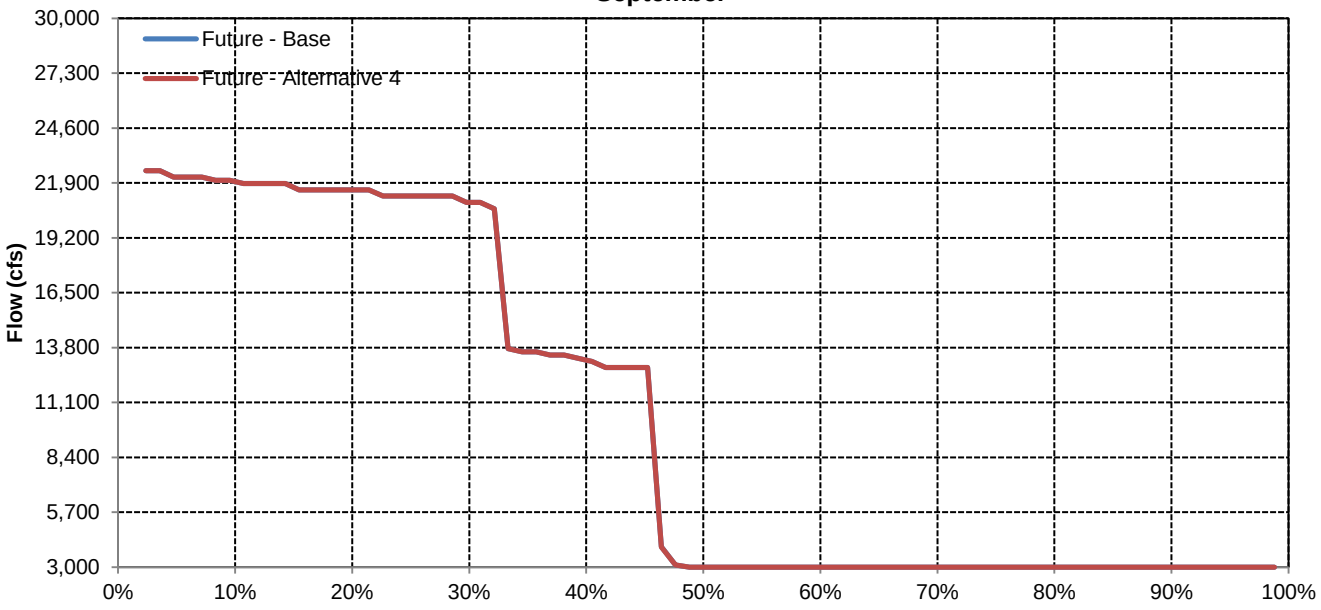


Table 185 No Action Alternative-Alternative 4 (Future)

Winter-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	November through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport	64		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				68		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Juvenile Rearing and Downstream Movement*	July through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
			Freeport	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0

Table 186 No Action Alternative-Alternative 4 (Future)

Spring-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	March through September	Mean Monthly Flow (cfs)	Verona		10	Lower 40%						0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%						0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	64		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years						0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juvenile Rearing (and Downstream Movement)	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	October through May	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63		All Years	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
			Freeport	63		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Table 187 No Action Alternative-Alternative 4 (Future)

Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	July through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0							0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0							0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	-1.3	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0							0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0							0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	December through July	Mean Monthly Flow (cfs)	Verona		10	Lower 40%			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
			Freeport		10	Lower 40%			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				65		All Years			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Table 188 No Action Alternative-Alternative 4 (Future)

Late Fall-run Chinook Salmon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Staging	October through April	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	-1.3	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Juvenile Rearing and Downstream Movement	April through December	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
				65		All Years	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0

Table 189 No Action Alternative-Alternative 4 (Future)

Steelhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	August through March	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	64		All Years	-1.3	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
			Freeport	64		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	65		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				68		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smolt Emigration	January through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
			Freeport	52		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
				55		All Years				0.0	0.0	0.0	0.0	0.0	0.0			

Table 190 No Action Alternative-Alternative 4 (Future)

Green Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	February through July	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%					0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years					0.0	0.0	0.0	0.0	0.0	0.0		
Adult Post-Spawning Holding and Emigration	July through November	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0								0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	61		All Years	0.0	0.0								0.0	0.0	0.0
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 191 No Action Alternative-Alternative 4 (Future)

White Sturgeon in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Holding	November through May	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Water Temperature (°F)	Freeport	77		All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Spawning and Egg Incubation	February through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%					0.0	0.0	0.0	0.0	0.0			
			Freeport		10	Lower 40%					0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61		All Years					0.0	0.0	0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport	66		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

River Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	September through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Pacific Lamprey in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration	January through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%				0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	42-60		All Years				0.0	0.0	0.0	0.0	0.0	0.0			
Ammocoete Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Freeport	72		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 194 No Action Alternative-Alternative 4 (Future)

Hardhead in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adults and Other Lifestages	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
			Freeport	61-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0
Adult Spawning	April through June	Mean Monthly Flow (cfs)	Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Freeport	59-64		All Years							0.0	0.0	0.0			

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 195 No Action Alternative-Alternative 4 (Future)

American Shad in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
			Freeport		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	60-70		All Years							0.1	0.0	0.0			
			Freeport	60-70		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-Round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Freeport		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	63-77		All Years	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
			Freeport	63-77		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 196 No Action Alternative-Alternative 4 (Future)

Striped Bass in the Sacramento River

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult Immigration and Spawning	April through June	Mean Monthly Flow (cfs)	Verona		10	Lower 40%							0.0	0.0	0.0			
		Mean Monthly Water Temperature (°F)	Feather River Confluence	59-68		All Years							0.0	0.0	0.0			
Juvenile Rearing and Downstream Movement	Year-round	Mean Monthly Flow (cfs)	Verona		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean Monthly Water Temperature (°F)	Feather River Confluence	61-71		All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0

[1]Water temperature ranges are evaluated by calculating the net change in the probability of water temperatures occurring within the specified range.

Table 201 No Action Alternative-Alternative 4 (Future)

Alternative 4 (Future) vs No Action Alternative
Sacramento River at Verona, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	73.2	79.3	45.1	47.6	36.6	57.3	98.8	89.0	86.6	95.1	93.9	95.1
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	20.7	1.2	1.2	0.0	0.0	0.0	0.0	0.0	6.1	3.7	1.2	3.7
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	4.9	17.1	52.4	50.0	61.0	40.2	1.2	9.8	4.9	1.2	4.9	0.0
Net Change in % Exceedance:	15.9	-15.9	-51.2	-50.0	-61.0	-40.2	-1.2	-9.8	1.2	2.4	-3.7	3.7
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	63.6	84.8	78.8	78.8	36.4	75.8	100.0	93.9	87.9	90.9	97.0	100.0
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	24.2	3.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	6.1	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	9.1	12.1	18.2	15.2	57.6	21.2	0.0	6.1	6.1	3.0	3.0	0.0
Net Change in % Exceedance:	15.2	-9.1	-15.2	-15.2	-57.6	-21.2	0.0	-6.1	-3.0	3.0	-3.0	0.0
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 202 No Action Alternative-Alternative 4 (Future)

Alternative 4 (Future) vs No Action Alternative
Sacramento River at Freeport, Monthly Flow

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-1.0 < X < 1.0	78.0	90.2	47.6	50.0	42.7	63.4	100.0	95.1	91.5	95.1	96.3	96.3
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	1.2	9.8	48.8	50.0	54.9	35.4	0.0	4.9	3.7	0.0	3.7	2.4
Net Change in % Exceedance:	19.5	-9.8	-48.8	-50.0	-54.9	-35.4	0.0	-4.9	-1.2	4.9	-3.7	-2.4
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Flows (Upper 40% of Distribution)												
-1.0 < X < 1.0	69.7	100.0	72.7	84.8	51.5	81.8	100.0	93.9	90.9	97.0	100.0	93.9
X>=10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X>1.0 (Total %)	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
X<=-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X<-1.0 (Total %)	3.0	0.0	21.2	15.2	45.5	15.2	0.0	6.1	9.1	0.0	0.0	6.1
Net Change in % Exceedance:	24.2	0.0	-21.2	-15.2	-45.5	-15.2	0.0	-6.1	-9.1	3.0	0.0	-6.1
Net Change in 10% Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alternative 4 (Future) vs No Action Alternative

Sacramento River at Feather River, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.2	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	91.9	87.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	40.2	23.2	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	22.0	5.5	90.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	95.1	1.7	1.2	30.1	97.3	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	87.8	1.2	1.2	12.0	86.0	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	67.1	1.2	1.2	6.1	74.4	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	42.7	1.2	1.2	3.1	61.0	98.7	98.8	98.8	98.8	98.8	98.8
56	98.8	26.8	1.2	1.2	1.2	39.0	97.6	98.8	98.8	98.8	98.8	98.8
57	98.8	14.0	1.2	1.2	1.2	23.2	96.7	98.8	98.8	98.8	98.8	98.8
58	98.8	5.5	1.2	1.2	1.2	12.8	91.2	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	7.3	85.7	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	2.7	81.1	98.8	98.8	98.8	98.8	98.8
61	92.1	1.2	1.2	1.2	1.2	2.0	74.4	98.8	98.8	98.8	98.8	98.8
62	74.4	1.2	1.2	1.2	1.2	1.4	61.0	98.8	98.8	98.8	98.8	98.8
63	52.8	1.2	1.2	1.2	1.2	1.2	50.0	98.6	98.8	98.8	98.8	98.8
64	41.5	1.2	1.2	1.2	1.2	1.2	34.5	98.0	98.8	98.8	98.8	98.8
65	23.2	1.2	1.2	1.2	1.2	1.2	23.2	96.3	98.8	98.8	98.8	98.8
66	15.2	1.2	1.2	1.2	1.2	1.2	10.4	90.7	98.8	98.8	98.8	97.4
68	4.1	1.2	1.2	1.2	1.2	1.2	1.2	65.2	96.5	98.8	98.8	89.6
69	2.1	1.2	1.2	1.2	1.2	1.2	1.2	45.1	95.3	98.8	98.8	78.9
70	1.4	1.2	1.2	1.2	1.2	1.2	1.2	28.7	86.6	98.8	98.8	70.7
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	72.0	98.8	98.8	57.7
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	57.3	97.6	95.9	46.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	23.2	74.4	84.1	18.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.6	11.0	54.9	69.5	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	18.3	30.5	3.0
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	90.7	86.6	97.6	97.6	97.6	96.2	87.8	43.9	29.3	89.0
50-64	57.3	97.6	7.3	0.0	72.0	97.6	64.3	0.8	0.0	0.0	0.0	0.0
55-56	0.0	15.9	0.0	0.0	1.9	22.0	1.1	0.0	0.0	0.0	0.0	0.0
59-64	57.3	0.0	0.0	0.0	0.0	6.1	51.2	0.8	0.0	0.0	0.0	0.0
59-68	94.7	0.0	0.0	0.0	0.0	6.1	84.5	33.6	2.3	0.0	0.0	9.2
59-75	97.6	0.0	0.0	0.0	0.0	6.1	84.5	96.2	87.8	43.9	29.3	89.0
60-70	97.4	0.0	0.0	0.0	0.0	1.5	79.9	70.1	12.2	0.0	0.0	28.1
61-71	90.9	0.0	0.0	0.0	0.0	0.8	73.2	82.9	26.8	0.0	0.0	41.1
63-69	50.7	0.0	0.0	0.0	0.0	0.0	48.8	53.5	3.5	0.0	0.0	19.9
63-77	51.6	0.0	0.0	0.0	0.0	0.0	48.8	97.4	97.6	80.5	68.3	95.8
65-82	22.0	0.0	0.0	0.0	0.0	0.0	22.0	95.1	97.6	97.6	97.6	97.6
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.5	85.4	97.6	97.6	69.5
42-60	0.0	97.6	97.6	95.8	97.6	96.1	17.7	0.0	0.0	0.0	0.0	0.0
61-77	90.9	0.0	0.0	0.0	0.0	0.8	73.2	97.6	97.6	80.5	68.3	95.8

Alternative 4 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.2	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	91.9	87.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	40.2	23.2	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	20.7	5.5	89.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	8.5	1.2	73.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	95.1	1.7	1.2	30.1	97.3	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	87.8	1.2	1.2	12.0	86.0	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	65.9	1.2	1.2	6.1	74.4	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	42.7	1.2	1.2	3.1	61.0	98.7	98.8	98.8	98.8	98.8	98.8
56	98.8	26.8	1.2	1.2	1.2	39.0	97.6	98.8	98.8	98.8	98.8	98.8
57	98.8	14.0	1.2	1.2	1.2	23.2	96.7	98.8	98.8	98.8	98.8	98.8
58	98.8	5.5	1.2	1.2	1.2	12.8	91.2	98.8	98.8	98.8	98.8	98.8
59	98.8	1.2	1.2	1.2	1.2	7.3	85.7	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	2.7	81.2	98.8	98.8	98.8	98.8	98.8
61	92.1	1.2	1.2	1.2	1.2	2.0	74.4	98.8	98.8	98.8	98.8	98.8
62	74.4	1.2	1.2	1.2	1.2	1.4	61.0	98.8	98.8	98.8	98.8	98.8
63	52.4	1.2	1.2	1.2	1.2	1.2	50.0	98.6	98.8	98.8	98.8	98.8
64	40.2	1.2	1.2	1.2	1.2	1.2	34.5	98.0	98.8	98.8	98.8	98.8
65	23.2	1.2	1.2	1.2	1.2	1.2	23.2	96.3	98.8	98.8	98.8	98.8
66	15.2	1.2	1.2	1.2	1.2	1.2	10.4	90.7	98.8	98.8	98.8	97.4
68	4.1	1.2	1.2	1.2	1.2	1.2	1.2	65.2	96.5	98.8	98.8	89.6
69	2.0	1.2	1.2	1.2	1.2	1.2	1.2	45.1	95.3	98.8	98.8	78.9
70	1.4	1.2	1.2	1.2	1.2	1.2	1.2	28.7	86.6	98.8	98.8	70.7
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	15.9	70.7	98.8	98.8	57.7
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	10.4	57.3	97.6	95.9	46.3
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	22.0	74.4	84.1	18.3
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.6	11.0	54.9	69.5	9.1
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	18.9	30.5	3.0
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	90.7	86.6	97.6	97.6	97.6	96.2	87.8	43.9	29.3	89.7
50-64	58.6	97.6	7.3	0.0	72.0	97.6	64.3	0.8	0.0	0.0	0.0	0.0
55-56	0.0	15.9	0.0	0.0	1.9	22.0	1.1	0.0	0.0	0.0	0.0	0.0
59-64	58.6	0.0	0.0	0.0	0.0	6.1	51.2	0.8	0.0	0.0	0.0	0.0
59-68	94.7	0.0	0.0	0.0	0.0	6.1	84.5	33.6	2.3	0.0	0.0	9.2
59-75	97.6	0.0	0.0	0.0	0.0	6.1	84.5	96.2	87.8	43.9	29.3	89.7
60-70	97.4	0.0	0.0	0.0	0.0	1.5	80.0	70.1	12.2	0.0	0.0	28.1
61-71	90.9	0.0	0.0	0.0	0.0	0.8	73.2	82.9	28.1	0.0	0.0	41.1
63-69	50.4	0.0	0.0	0.0	0.0	0.0	48.8	53.5	3.5	0.0	0.0	19.9
63-77	51.2	0.0	0.0	0.0	0.0	0.0	48.8	97.4	97.6	79.9	68.3	95.8
65-82	22.0	0.0	0.0	0.0	0.0	0.0	22.0	95.1	97.6	97.6	97.6	97.6
70-82	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.5	85.4	97.6	97.6	69.5
42-60	0.0	97.6	97.6	95.8	97.6	96.1	17.6	0.0	0.0	0.0	0.0	0.0
61-77	90.9	0.0	0.0	0.0	0.0	0.8	73.2	97.6	97.6	79.9	68.3	95.8

Alternative 4 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-1.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
50-64	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
63-69	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0

Alternative 4 (Future) vs No Action Alternative

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

Alternative 4 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	25.6	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.7	1.2	1.2	15.9	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.3	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	40.9	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.3	78.7	82.3	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	39.0	42.7	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.5	20.1	16.5	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.1	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.1	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.1	0.0	0.0	0.0	6.1	86.8	95.7	78.5	20.1	16.5	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.3	59.8	56.1	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.3	59.8	56.1	96.7

Alternative 4 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-1.2	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
50-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0

Table 227 No Action Alternative -Alternative 4 (Future)

Delta Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years			0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years			58.5	54.9	52.4	63.4	0.0	0.0				
	September through November	Mean Monthly X_2 (RKm)	X_2 between 74 km and 81 km	74-81		Wet and Above Normal Water Years	0.0	0.0										0.0
	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-1.2	0.0	0.0							
Egg and Embryo	February through May	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years					0.0	0.0	0.0	0.0				
Larval	March through June	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years						0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years						0.0	-6.7	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years						0.0	0.0	0.0	0.0			
Juvenile	May through July	Mean Monthly Water Temperature (°F)	Sacramento River at Freeport	59-68		All Years								0.0	0.0	0.0		
		Mean Monthly X_2 (RKm)	Changes in X_2 between RKm 65 and 80	0.5 RKm		All Years								0.0	0.0	0.0		

Table 228 No Action Alternative -Alternative 4 (Future)

Longfin Smelt in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Adult	December through March	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			-1.2	0.0	0.0	0.0						
Larvae and Juvenile	April and May	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-1500 cfs		Dry and Critical Water Years							-6.7	0.0				
				< 0 cfs		Dry and Critical Water Years							0.0	0.0				
	January through June	Mean Monthly X_2 (RKm)	X_2	< 75 RKm		All Years				0.0	0.0	0.0	1.2	0.0	0.0			
				< 75 RKm		Dry and Critical Water Years				0.0	0.0	0.0	0.0	0.0	0.0			

Table 229 No Action Alternative -Alternative 4 (Future)

Winter-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through May	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	58.5	54.9	52.4	63.4	0.0	0.0				
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0				

Table 230 No Action Alternative -Alternative 4 (Future)

Spring-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	58.5	54.9	52.4	63.4	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0			

Table 231 No Action Alternative -Alternative 4 (Future)

Fall- and Late Fall-run Chinook Salmon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	November through June	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years		69.5	58.5	54.9	52.4	63.4	0.0	0.0	0.0			
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years		0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0			
Adult (San Joaquin River)	December through February	Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<-5000 cfs		All Years			0.0	0.0	-1.2							

Table 232 No Action Alternative -Alternative 4 (Future)

Steelhead in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	October through July	Mean Monthly Flow (cfs)	Rio Vista		10	Lower 40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	69.5	58.5	54.9	52.4	63.4	0.0	0.0	0.0	0.0		
		Mean Monthly Delta Outflow (cfs)	Delta		10	All Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		Mean Monthly OMR Flow (cfs)	Old and Middle Rivers	<2500 cfs		All Years	0.0	0.0	0.0	0.0	-1.2	0.0	0.0	0.0	0.0	0.0		

Table 233 No Action Alternative -Alternative 4 (Future)

Green Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	Year-round	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years	0.0	69.5	58.5	54.9	52.4	63.4	0.0	0.0	0.0	0.0	0.0	0.0

Table 234 No Action Alternative -Alternative 4 (Future)

White Sturgeon in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Juvenile Rearing and Emigration	April through June	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0			

Table 235 No Action Alternative -Alternative 4 (Future)

Splittail in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Spawning and Embryo Incubation	February through May	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years					52.4	63.4	0.0	0.0				
Juvenile Rearing and Emigration	April through July	Mean Monthly Flow (cfs)	Yolo Bypass		10	All Years							0.0	0.0	0.0	0.0		

Table 236 No Action Alternative -Alternative 4 (Future)

American Shad in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							0.0	0.0	0.0			

Table 237 No Action Alternative -Alternative 4 (Future)

Striped Bass in the Delta

Lifestage	Evaluation Period	Indicator of Potential Impact	Location	Metric		Range	Net Change in Probability of Exceedance under Alternative 4 (Future) relative to No Action Alternative											
			Description	Value	%		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Egg and Larvae	April through June	Mean Monthly X_2 (RKm)	Changes in X_2	1 RKm		All Years							0.0	0.0	0.0			

Alternative 4 (Future) vs No Action Alternative

Sacramento River at Freeport, Monthly Temperature

Exceedance of Water Temperature Index Values and Probability of Occurring within the Water Temperature Index Ranges

No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	26.2	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.2	1.2	1.2	15.6	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	7.0	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.4	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	39.6	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.1	78.7	81.7	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	39.0	43.9	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.7	20.1	17.1	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.2	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.2	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.2	0.0	0.0	0.0	6.1	86.8	95.7	78.7	20.1	17.1	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.6	59.8	54.9	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.6	59.8	54.9	96.7

Alternative 4 (Future)

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
41	98.8	98.8	98.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
42	98.8	98.8	98.8	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
43	98.8	98.8	98.3	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
45	98.8	98.8	90.2	86.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
48	98.8	98.8	43.9	26.2	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
49	98.8	98.8	25.6	8.5	92.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	98.8	98.8	9.8	1.2	78.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
52	98.8	97.8	1.5	1.2	29.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
53	98.8	90.7	1.2	1.2	15.9	90.2	98.8	98.8	98.8	98.8	98.8	98.8
54	98.8	70.7	1.2	1.2	6.8	75.6	98.8	98.8	98.8	98.8	98.8	98.8
55	98.8	50.0	1.2	1.2	4.6	63.4	98.8	98.8	98.8	98.8	98.8	98.8
56	98.8	31.7	1.2	1.2	2.0	43.9	97.8	98.8	98.8	98.8	98.8	98.8
57	98.8	22.0	1.2	1.2	1.2	27.4	96.6	98.8	98.8	98.8	98.8	98.8
58	98.8	6.1	1.2	1.2	1.2	18.9	92.4	98.8	98.8	98.8	98.8	98.8
59	98.8	2.3	1.2	1.2	1.2	7.3	88.0	98.8	98.8	98.8	98.8	98.8
60	98.8	1.2	1.2	1.2	1.2	4.9	81.7	98.8	98.8	98.8	98.8	98.8
61	98.0	1.2	1.2	1.2	1.2	2.4	74.0	98.8	98.8	98.8	98.8	98.8
62	89.6	1.2	1.2	1.2	1.2	1.9	62.8	98.8	98.8	98.8	98.8	98.8
63	63.4	1.2	1.2	1.2	1.2	1.3	49.4	98.8	98.8	98.8	98.8	98.8
64	52.4	1.2	1.2	1.2	1.2	1.2	32.3	98.4	98.8	98.8	98.8	98.8
65	35.4	1.2	1.2	1.2	1.2	1.2	27.6	97.0	98.8	98.8	98.8	98.8
66	21.3	1.2	1.2	1.2	1.2	1.2	17.1	92.3	98.8	98.8	98.8	98.8
68	4.7	1.2	1.2	1.2	1.2	1.2	1.2	78.7	98.8	98.8	98.8	95.3
69	2.7	1.2	1.2	1.2	1.2	1.2	1.2	54.9	96.6	98.8	98.8	89.8
70	1.6	1.2	1.2	1.2	1.2	1.2	1.2	38.2	95.2	98.8	98.8	78.0
71	1.2	1.2	1.2	1.2	1.2	1.2	1.2	21.3	86.9	98.8	98.8	70.1
72	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.0	81.7	98.8	98.8	53.7
74	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	40.9	91.5	88.7	22.0
75	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.1	20.3	78.7	82.3	9.8
77	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	39.0	42.7	2.1
82	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
98	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45-75	97.6	97.6	89.0	84.8	97.6	97.6	97.6	95.7	78.5	20.1	16.5	89.0
50-64	46.4	97.6	8.6	0.0	76.8	97.6	66.5	0.4	0.0	0.0	0.0	0.0
55-56	0.0	18.3	0.0	0.0	2.6	19.5	1.0	0.0	0.0	0.0	0.0	0.0
59-64	46.4	1.1	0.0	0.0	0.0	6.1	55.7	0.4	0.0	0.0	0.0	0.0
59-68	94.1	1.1	0.0	0.0	0.0	6.1	86.8	20.1	0.0	0.0	0.0	3.5
59-75	97.6	1.1	0.0	0.0	0.0	6.1	86.8	95.7	78.5	20.1	16.5	89.0
60-70	97.2	0.0	0.0	0.0	0.0	3.7	80.5	60.6	3.6	0.0	0.0	20.8
61-71	96.8	0.0	0.0	0.0	0.0	1.2	72.8	77.5	11.9	0.0	0.0	28.7
63-69	60.7	0.0	0.0	0.0	0.0	0.1	48.2	43.9	2.2	0.0	0.0	9.0
63-77	62.2	0.0	0.0	0.0	0.0	0.1	48.2	97.6	97.3	59.8	56.1	96.7
65-82	34.2	0.0	0.0	0.0	0.0	0.0	26.4	95.8	97.6	97.6	97.6	97.6
70-82	0.4	0.0	0.0	0.0	0.0	0.0	0.0	37.0	94.0	97.6	97.6	76.8
42-60	0.0	97.6	97.6	95.8	97.6	93.9	17.1	0.0	0.0	0.0	0.0	0.0
61-77	96.8	0.0	0.0	0.0	0.0	1.2	72.8	97.6	97.3	59.8	56.1	96.7

Alternative 4 (Future) - No Action Alternative

Index Value or Range	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-1.2	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
50-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-64	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-68	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59-75	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.6	0.0
60-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0
65-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	1.2	0.0