Appendix 5B1 Project Operations

1 Results

The following results of the CalSim II model are included for project operations at key project locations for the following alternatives:

- No Action Alternative 051422
- Alternative 1A 051722
- Alternative 1B 051722
- Alternative 2 051722
- Alternative 3 051722

Table 5B1-1. Project Operations Locations and Parameters

Section	Output Parameters	Table Numbers	Figure Numbers
Project Operations	Red Bluff Diversion - Tehama Colusa Canal	5B1-1-1a to 5B1-1-4c	5B1-1-1 to 5B1-1-18
Project Operations	Hamilton City Diversion - Glenn Colusa Canal	5B1-2-1a to 5B1-2-4c	5B1-2-1 to 5B1-2-18
Project Operations	Total Sites Diversions	5B1-3-1a to 5B1-3-4c	5B1-3-1 to 5B1-3-18
Project Operations	Sites Release to Dunnigan Pipeline	5B1-4-1a to 5B1-4-4c	5B1-4-1 to 5B1-4-18
Project Operations	Sites Release to Yolo Bypass	5B1-5-1a to 5B1-5-4c	5B1-5-1 to 5B1-5-18
Project Operations	Total Sites Release	5B1-6-1a to 5B1-6-4c	5B1-6-1 to 5B1-6-18
Project Operations	Sites Reservoir Storage	5B1-7-1a to 5B1-7-4c	5B1-7-1 to 5B1-7-12
Project Operations	Sites Reservoir Elevation	5B1-8-1a to 5B1-8-4c	5B1-8-1 to 5B1-8-12
Project Operations	Sites Reservoir Surface Area	5B1-9-1a to 5B1-9-4c	5B1-9-1 to 5B1-9-12

2 Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts. Monthly tables compare an alternative against the No Action alternative (exceedance values, long-term average, and average by water year type). Monthly pattern charts (long-term average and average by water year type) present all alternatives. Monthly exceedance charts (all months) present all alternatives.

Table 5B1-1-1a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	19	0	0	0	65	496	871	1,206	1,378	1,095	301
20% Exceedance	203	17	0	0	0	35	406	787	1,163	1,355	1,080	287
30% Exceedance	172	17	0	0	0	16	350	742	1,107	1,282	1,024	270
40% Exceedance	137	17	0	0	0	9	265	700	1,089	1,272	1,001	257
50% Exceedance	104	17	0	0	0	8	182	655	1,061	1,206	944	228
60% Exceedance	90	12	0	0	0	8	101	528	1,013	1,151	902	214
70% Exceedance	76	8	0	0	0	8	44	456	773	927	741	123
80% Exceedance	60	8	0	0	0	8	29	267	584	662	528	55
90% Exceedance	54	8	0	0	0	8	3	71	148	167	127	12
Full Simulation Period Average[a]	126	15	0	0	2	27	218	551	871	1,001	790	194
Wet Water Years (32%)	153	14	0	0	0	20	193	666	1,105	1,277	1,010	250
Above Normal Water Years (15%)	128	13	0	0	0	18	286	702	1,157	1,314	1,028	249
Below Normal Water Years (17%)	126	15	0	0	2	42	312	657	978	1,142	900	191
Dry Water Years (22%)	125	14	0	0	5	33	241	511	756	855	679	177
Critical Water Years (15%)	67	17	0	0	7	26	60	90	127	144	113	44

Table 5B1-1-1b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1A 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	206	505	2,121	2,121	2,121	2,121	691	879	1,206	1,341	1,060	303
20% Exceedance	182	20	1,733	2,121	2,121	2,121	456	813	1,163	1,328	1,041	287
30% Exceedance	158	17	792	1,058	1,716	849	379	751	1,107	1,282	1,016	273
40% Exceedance	123	17	0	3	704	142	322	719	1,089	1,273	1,001	261
50% Exceedance	95	17	0	0	56	58	208	670	1,061	1,242	931	235
60% Exceedance	78	17	0	0	4	29	141	529	1,010	1,155	897	214
70% Exceedance	60	10	0	0	0	12	54	456	787	930	744	140
80% Exceedance	54	8	0	0	0	8	38	280	608	663	529	76
90% Exceedance	51	8	0	0	0	8	21	75	153	172	132	23
Full Simulation Period Average[a]	123	187	556	630	775	646	355	592	874	1,000	783	200
Wet Water Years (32%)	138	254	432	863	892	579	496	789	1,105	1,276	993	257
Above Normal Water Years (15%)	122	190	627	1,489	1,358	1,151	444	702	1,157	1,300	1,010	249
Below Normal Water Years (17%)	183	283	973	506	797	521	414	656	977	1,136	894	200
Dry Water Years (22%)	96	128	737	118	552	778	244	521	768	867	688	182
Critical Water Years (15%)	59	17	0	177	249	232	61	91	129	146	115	54

Table 5B1-1-1c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-8	486	2,121	2,121	2,121	2,056	195	9	0	-37	-35	2
20% Exceedance	-22	3	1,733	2,121	2,121	2,086	51	26	0	-27	-39	1
30% Exceedance	-14	0	792	1,058	1,716	833	28	10	0	1	-7	2
40% Exceedance	-13	0	0	3	704	132	57	19	0	1	0	4
50% Exceedance	-9	0	0	0	56	50	27	15	0	36	-12	8
60% Exceedance	-12	5	0	0	4	21	40	1	-4	4	-5	1
70% Exceedance	-16	2	0	0	0	4	10	0	14	3	3	17
80% Exceedance	-6	0	0	0	0	0	9	13	24	1	1	21
90% Exceedance	-4	0	0	0	0	0	18	4	5	5	4	11
Full Simulation Period Average[a]	-3	173	556	630	773	618	137	41	3	-1	-7	6
Wet Water Years (32%)	-15	241	432	863	892	559	303	123	0	-1	-17	7
Above Normal Water Years (15%)	-6	176	627	1,489	1,358	1,134	158	0	0	-14	-18	0
Below Normal Water Years (17%)	58	267	973	506	796	479	101	-1	-1	-6	-6	10
Dry Water Years (22%)	-29	114	737	118	547	745	3	10	12	11	8	5
Critical Water Years (15%)	-9	0	0	177	242	206	1	1	2	2	2	10

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-1-2a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	19	0	0	0	65	496	871	1,206	1,378	1,095	301
20% Exceedance	203	17	0	0	0	35	406	787	1,163	1,355	1,080	287
30% Exceedance	172	17	0	0	0	16	350	742	1,107	1,282	1,024	270
40% Exceedance	137	17	0	0	0	9	265	700	1,089	1,272	1,001	257
50% Exceedance	104	17	0	0	0	8	182	655	1,061	1,206	944	228
60% Exceedance	90	12	0	0	0	8	101	528	1,013	1,151	902	214
70% Exceedance	76	8	0	0	0	8	44	456	773	927	741	123
80% Exceedance	60	8	0	0	0	8	29	267	584	662	528	55
90% Exceedance	54	8	0	0	0	8	3	71	148	167	127	12
Full Simulation Period Average[a]	126	15	0	0	2	27	218	551	871	1,001	790	194
Wet Water Years (32%)	153	14	0	0	0	20	193	666	1,105	1,277	1,010	250
Above Normal Water Years (15%)	128	13	0	0	0	18	286	702	1,157	1,314	1,028	249
Below Normal Water Years (17%)	126	15	0	0	2	42	312	657	978	1,142	900	191
Dry Water Years (22%)	125	14	0	0	5	33	241	511	756	855	679	177
Critical Water Years (15%)	67	17	0	0	7	26	60	90	127	144	113	44

Table 5B1-1-2b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1B 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	206	505	2,121	2,121	2,121	2,121	691	871	1,189	1,341	1,060	303
20% Exceedance	182	20	1,990	2,121	2,121	2,121	424	777	1,102	1,306	1,041	287
30% Exceedance	158	17	745	1,451	1,865	679	358	733	1,084	1,277	1,016	271
40% Exceedance	123	17	0	9	729	110	267	672	1,027	1,243	1,001	257
50% Exceedance	92	17	0	0	77	56	200	529	873	1,158	928	229
60% Exceedance	77	15	0	0	4	29	126	451	689	1,052	901	214
70% Exceedance	61	10	0	0	0	10	55	299	536	756	749	131
80% Exceedance	54	8	0	0	0	8	38	135	393	619	530	77
90% Exceedance	51	8	0	0	0	8	21	30	133	142	132	23
Full Simulation Period Average[a]	124	198	566	681	793	643	341	530	761	952	784	199
Wet Water Years (32%)	138	287	418	1,043	867	616	495	789	1,105	1,270	993	255
Above Normal Water Years (15%)	122	190	741	1,490	1,365	1,151	444	702	784	1,014	1,007	247
Below Normal Water Years (17%)	189	282	999	470	933	521	391	532	801	1,119	896	201
Dry Water Years (22%)	91	129	703	118	553	711	197	352	643	868	688	179
Critical Water Years (15%)	66	17	0	177	255	232	63	63	119	132	117	55

Table 5B1-1-2c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-8	486	2,121	2,121	2,121	2,056	195	0	-17	-37	-35	2
20% Exceedance	-22	3	1,990	2,121	2,121	2,086	18	-10	-61	-49	-39	0
30% Exceedance	-14	0	745	1,451	1,865	662	7	-8	-23	-5	-8	1
40% Exceedance	-13	0	0	9	729	101	2	-28	-63	-29	0	0
50% Exceedance	-12	0	0	0	77	48	19	-126	-187	-48	-15	2
60% Exceedance	-13	3	0	0	4	20	25	-77	-324	-99	-1	1
70% Exceedance	-15	2	0	0	0	1	12	-156	-237	-170	9	8
80% Exceedance	-6	0	0	0	0	0	9	-132	-191	-42	2	21
90% Exceedance	-4	0	0	0	0	0	18	-41	-15	-24	5	11
Full Simulation Period Average[a]	-2	183	566	681	790	615	123	-21	-111	-49	-7	5
Wet Water Years (32%)	-15	274	418	1,043	867	595	302	123	0	-7	-17	4
Above Normal Water Years (15%)	-6	176	741	1,490	1,365	1,134	158	0	-373	-300	-21	-2
Below Normal Water Years (17%)	64	267	999	470	932	478	79	-124	-177	-23	-4	11
Dry Water Years (22%)	-34	115	703	118	548	678	-45	-159	-113	13	9	2
Critical Water Years (15%)	-2	0	0	177	248	206	3	-26	-8	-13	4	11

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-1-3a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	19	0	0	0	65	496	871	1,206	1,378	1,095	301
20% Exceedance	203	17	0	0	0	35	406	787	1,163	1,355	1,080	287
30% Exceedance	172	17	0	0	0	16	350	742	1,107	1,282	1,024	270
40% Exceedance	137	17	0	0	0	9	265	700	1,089	1,272	1,001	257
50% Exceedance	104	17	0	0	0	8	182	655	1,061	1,206	944	228
60% Exceedance	90	12	0	0	0	8	101	528	1,013	1,151	902	214
70% Exceedance	76	8	0	0	0	8	44	456	773	927	741	123
80% Exceedance	60	8	0	0	0	8	29	267	584	662	528	55
90% Exceedance	54	8	0	0	0	8	3	71	148	167	127	12
Full Simulation Period Average[a]	126	15	0	0	2	27	218	551	871	1,001	790	194
Wet Water Years (32%)	153	14	0	0	0	20	193	666	1,105	1,277	1,010	250
Above Normal Water Years (15%)	128	13	0	0	0	18	286	702	1,157	1,314	1,028	249
Below Normal Water Years (17%)	126	15	0	0	2	42	312	657	978	1,142	900	191
Dry Water Years (22%)	125	14	0	0	5	33	241	511	756	855	679	177
Critical Water Years (15%)	67	17	0	0	7	26	60	90	127	144	113	44

Table 5B1-1-3b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 2 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	505	2,121	2,121	2,121	2,121	691	879	1,206	1,341	1,060	303
20% Exceedance	185	20	1,859	2,121	2,121	2,079	456	813	1,163	1,328	1,041	287
30% Exceedance	158	17	774	1,053	1,439	561	379	751	1,107	1,282	1,016	273
40% Exceedance	123	17	0	0	623	96	322	719	1,089	1,273	1,001	261
50% Exceedance	91	17	0	0	26	48	208	670	1,061	1,242	931	235
60% Exceedance	80	17	0	0	3	28	141	529	1,010	1,155	895	214
70% Exceedance	63	10	0	0	0	10	55	456	787	930	738	139
80% Exceedance	54	8	0	0	0	8	38	280	606	661	527	76
90% Exceedance	52	8	0	0	0	8	21	75	154	173	132	23
Full Simulation Period Average[a]	123	187	560	634	738	606	355	592	874	1,000	783	200
Wet Water Years (32%)	138	252	424	854	775	453	496	789	1,105	1,276	993	257
Above Normal Water Years (15%)	122	190	669	1,489	1,355	1,151	444	702	1,157	1,300	1,010	249
Below Normal Water Years (17%)	182	283	973	549	795	521	414	655	975	1,134	892	200
Dry Water Years (22%)	95	128	737	118	552	778	244	521	768	867	688	183
Critical Water Years (15%)	65	17	0	177	254	232	61	91	129	147	115	54

Table 5B1-1-3c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 2 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	486	2,121	2,121	2,121	2,056	195	9	0	-37	-35	2
20% Exceedance	-18	3	1,859	2,121	2,121	2,044	51	26	0	-27	-39	1
30% Exceedance	-14	0	774	1,053	1,439	544	28	10	0	1	-7	2
40% Exceedance	-14	0	0	0	623	86	57	19	0	1	0	4
50% Exceedance	-13	0	0	0	26	39	27	15	0	36	-12	8
60% Exceedance	-10	5	0	0	3	19	40	1	-4	4	-7	1
70% Exceedance	-12	2	0	0	0	1	11	0	14	3	-3	17
80% Exceedance	-6	0	0	0	0	0	9	13	22	-1	-1	21
90% Exceedance	-2	0	0	0	0	0	18	4	6	6	5	11
Full Simulation Period Average[a]	-3	172	560	634	736	578	137	41	2	-1	-7	6
Wet Water Years (32%)	-15	238	424	854	775	433	303	123	0	-1	-17	7
Above Normal Water Years (15%)	-6	176	669	1,489	1,355	1,134	158	0	0	-14	-18	0
Below Normal Water Years (17%)	56	267	973	549	794	478	101	-2	-3	-8	-8	9
Dry Water Years (22%)	-30	114	737	118	547	745	3	10	12	11	8	6
Critical Water Years (15%)	-2	0	0	177	247	206	1	1	2	2	2	10

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-1-4a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	19	0	0	0	65	496	871	1,206	1,378	1,095	301
20% Exceedance	203	17	0	0	0	35	406	787	1,163	1,355	1,080	287
30% Exceedance	172	17	0	0	0	16	350	742	1,107	1,282	1,024	270
40% Exceedance	137	17	0	0	0	9	265	700	1,089	1,272	1,001	257
50% Exceedance	104	17	0	0	0	8	182	655	1,061	1,206	944	228
60% Exceedance	90	12	0	0	0	8	101	528	1,013	1,151	902	214
70% Exceedance	76	8	0	0	0	8	44	456	773	927	741	123
80% Exceedance	60	8	0	0	0	8	29	267	584	662	528	55
90% Exceedance	54	8	0	0	0	8	3	71	148	167	127	12
Full Simulation Period Average[a]	126	15	0	0	2	27	218	551	871	1,001	790	194
Wet Water Years (32%)	153	14	0	0	0	20	193	666	1,105	1,277	1,010	250
Above Normal Water Years (15%)	128	13	0	0	0	18	286	702	1,157	1,314	1,028	249
Below Normal Water Years (17%)	126	15	0	0	2	42	312	657	978	1,142	900	191
Dry Water Years (22%)	125	14	0	0	5	33	241	511	756	855	679	177
Critical Water Years (15%)	67	17	0	0	7	26	60	90	127	144	113	44

Table 5B1-1-4b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 3 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	206	598	2,121	2,121	2,121	2,121	716	869	1,189	1,339	1,058	303
20% Exceedance	182	20	2,004	2,121	2,121	2,121	449	766	1,102	1,282	1,036	282
30% Exceedance	158	17	813	1,839	2,121	1,539	369	734	1,059	1,260	1,005	271
40% Exceedance	127	17	0	7	1,163	348	272	670	961	1,158	928	243
50% Exceedance	104	17	0	0	444	81	202	529	556	950	851	228
60% Exceedance	82	17	0	0	14	38	129	424	515	593	590	196
70% Exceedance	66	10	0	0	0	19	58	259	478	547	460	98
80% Exceedance	54	8	0	0	0	8	38	170	285	473	399	61
90% Exceedance	52	8	0	0	0	8	21	36	134	143	101	23
Full Simulation Period Average[a]	127	203	581	705	913	738	356	523	693	830	698	190
Wet Water Years (32%)	138	289	377	1,059	1,178	754	542	790	1,106	1,271	995	255
Above Normal Water Years (15%)	122	190	877	1,495	1,538	1,181	444	702	784	578	620	174
Below Normal Water Years (17%)	196	309	1,010	580	916	668	392	516	592	901	756	195
Dry Water Years (22%)	104	130	730	118	554	812	200	326	491	766	667	189
Critical Water Years (15%)	63	17	0	177	249	233	58	67	128	142	115	61

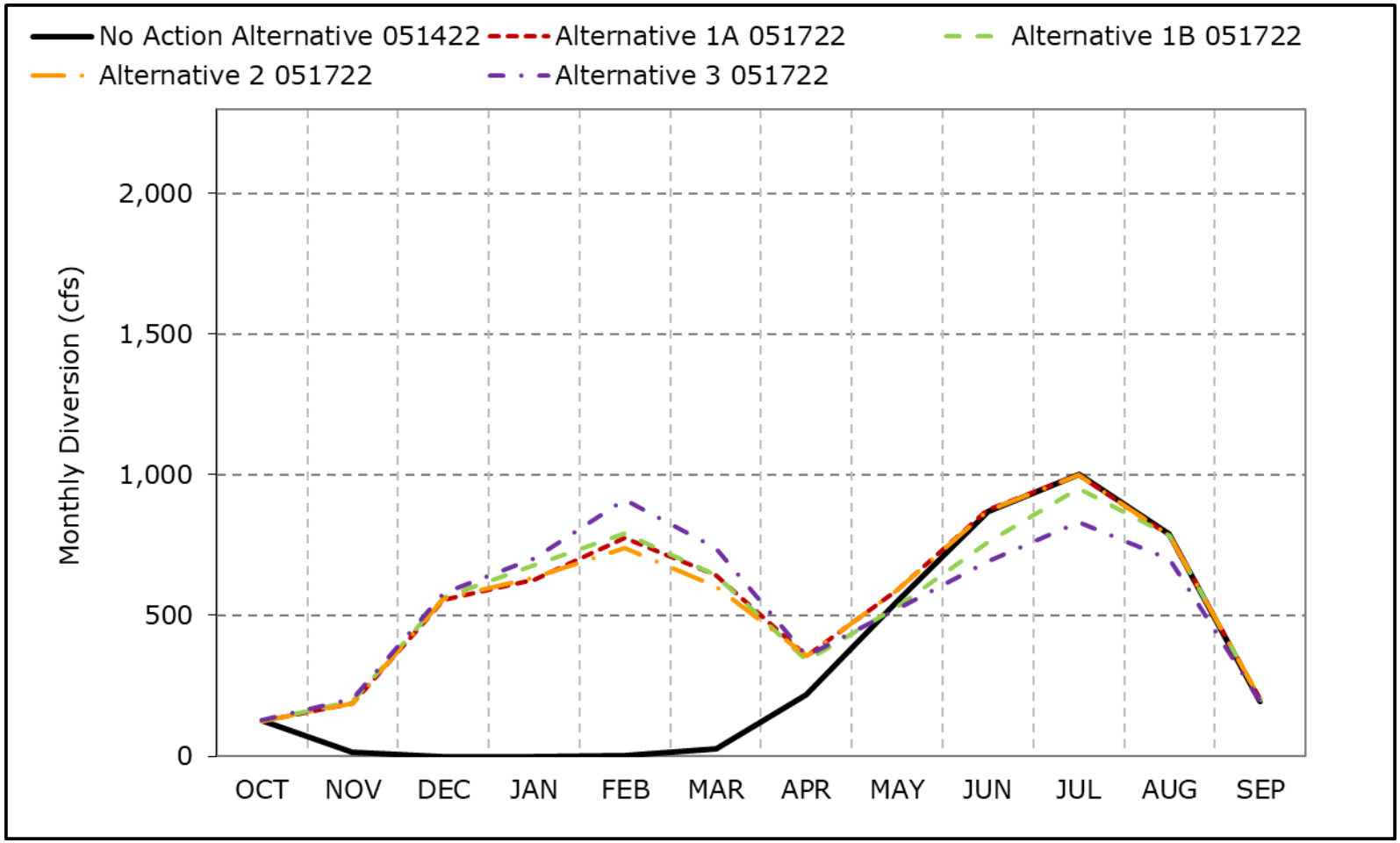
Table 5B1-1-4c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 3 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-8	579	2,121	2,121	2,121	2,056	220	-1	-17	-39	-37	2
20% Exceedance	-22	3	2,004	2,121	2,121	2,086	43	-21	-61	-72	-44	-4
30% Exceedance	-14	0	813	1,839	2,121	1,522	19	-8	-48	-22	-19	1
40% Exceedance	-10	0	0	7	1,163	338	7	-29	-128	-114	-72	-14
50% Exceedance	0	0	0	0	444	73	21	-126	-505	-255	-93	0
60% Exceedance	-8	5	0	0	14	30	28	-104	-498	-558	-312	-17
70% Exceedance	-10	2	0	0	0	10	14	-197	-295	-379	-281	-24
80% Exceedance	-6	0	0	0	0	0	9	-97	-299	-188	-129	6
90% Exceedance	-2	0	0	0	0	0	18	-34	-14	-23	-27	11
Full Simulation Period Average[a]	1	189	581	705	910	711	138	-28	-178	-171	-92	-3
Wet Water Years (32%)	-14	275	377	1,059	1,178	734	349	124	1	-6	-16	5
Above Normal Water Years (15%)	-6	176	877	1,495	1,538	1,163	158	0	-373	-736	-408	-75
Below Normal Water Years (17%)	71	294	1,010	580	914	626	79	-141	-386	-241	-145	4
Dry Water Years (22%)	-21	115	730	118	549	779	-41	-185	-265	-89	-12	13
Critical Water Years (15%)	-4	0	0	177	241	207	-2	-22	1	-3	2	17

[a] Based on the 82-year simulation period.

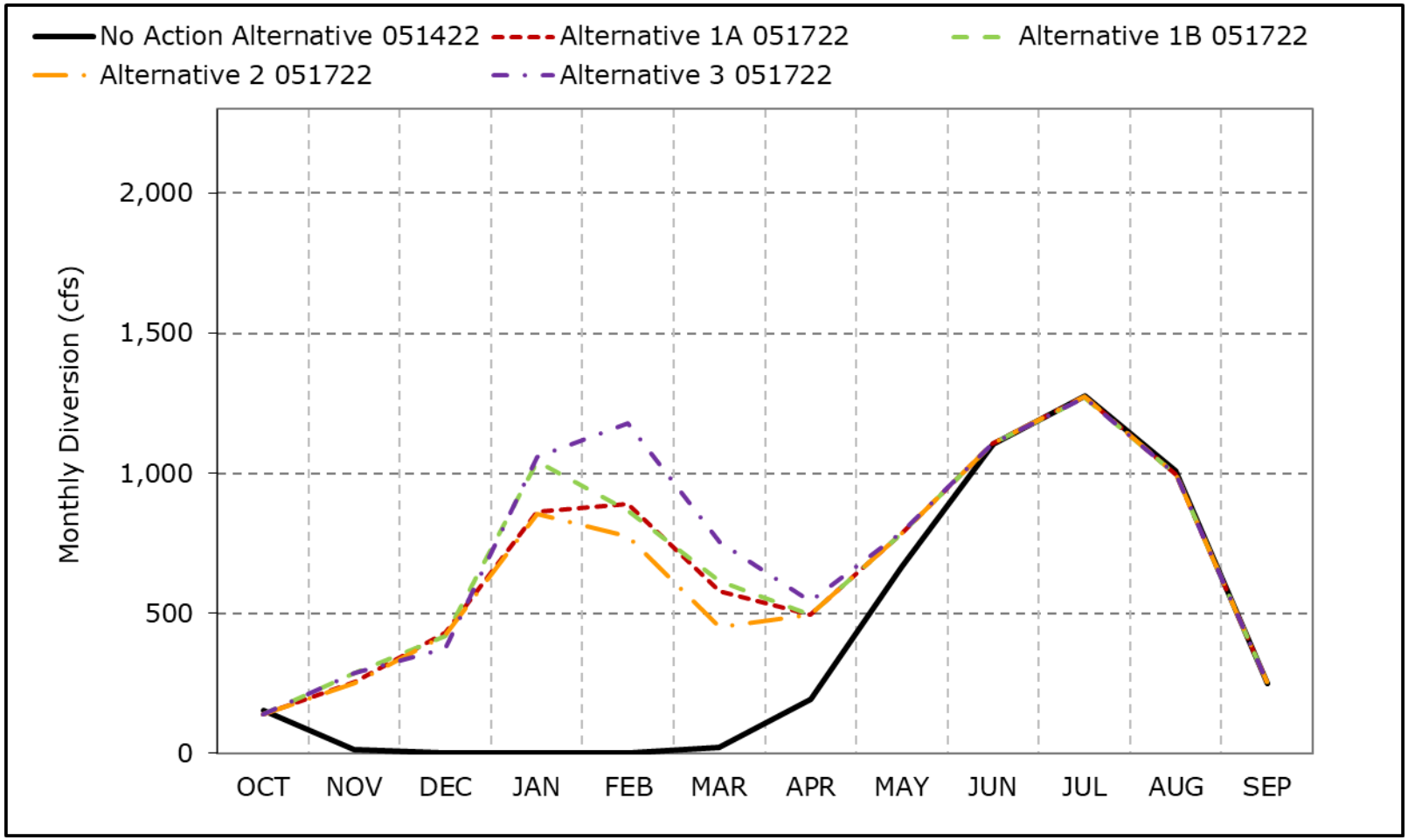
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-1-1. Red Bluff Diversion - Tehama Colusa Canal, Long-Term Average Diversion



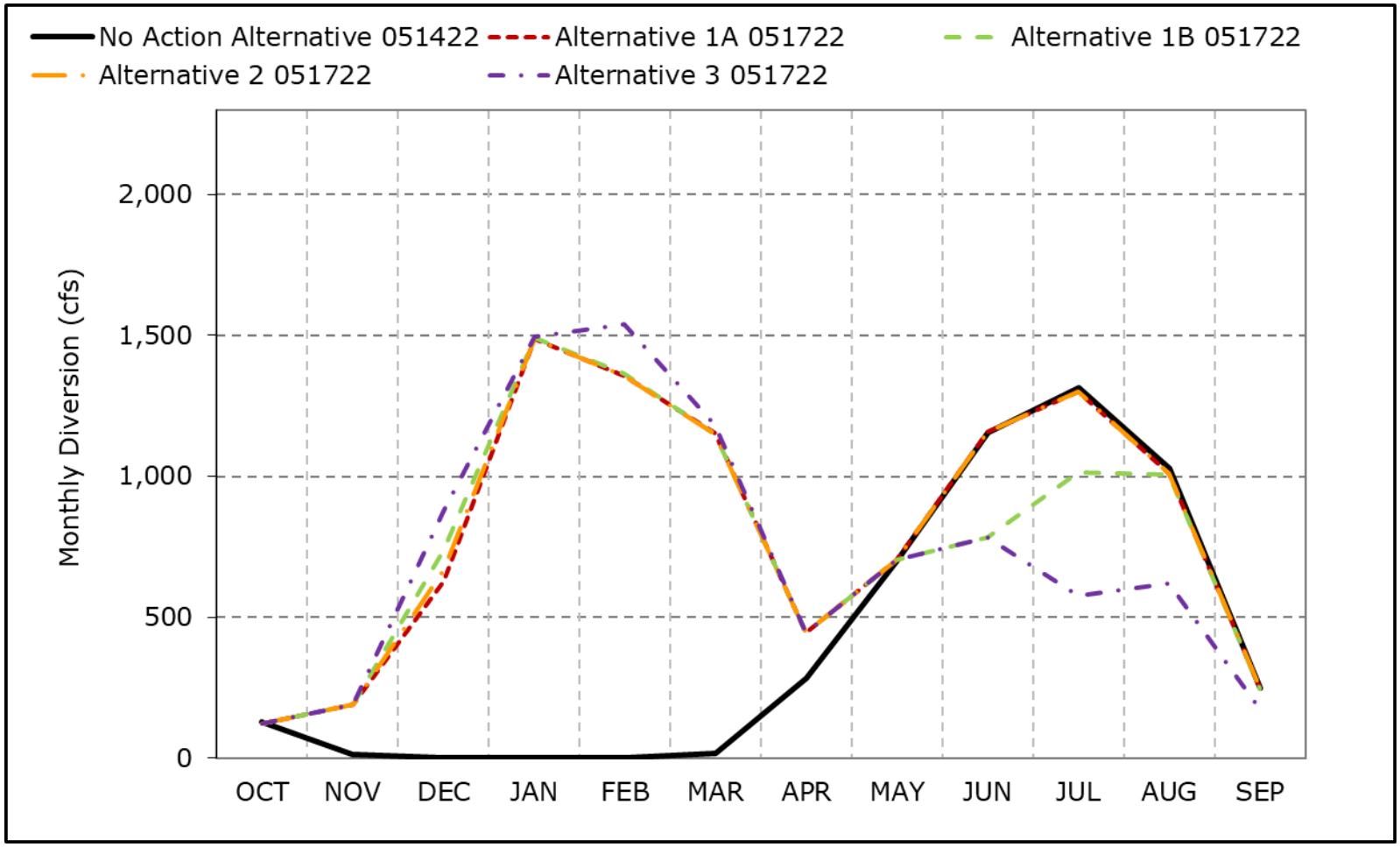
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-2. Red Bluff Diversion - Tehama Colusa Canal, Wet Year Average Diversion



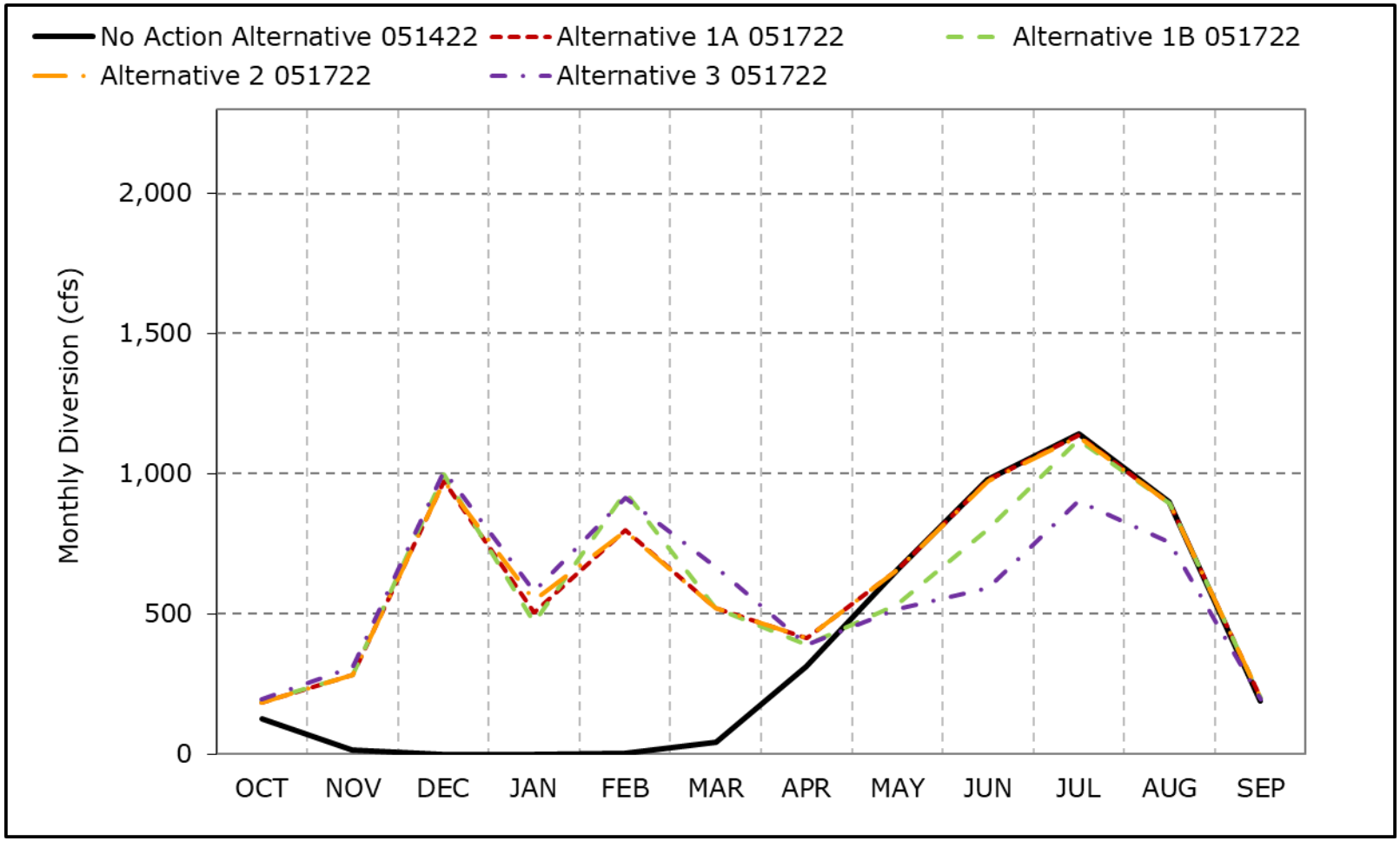
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-3. Red Bluff Diversion - Tehama Colusa Canal, Above Normal Year Average Diversion



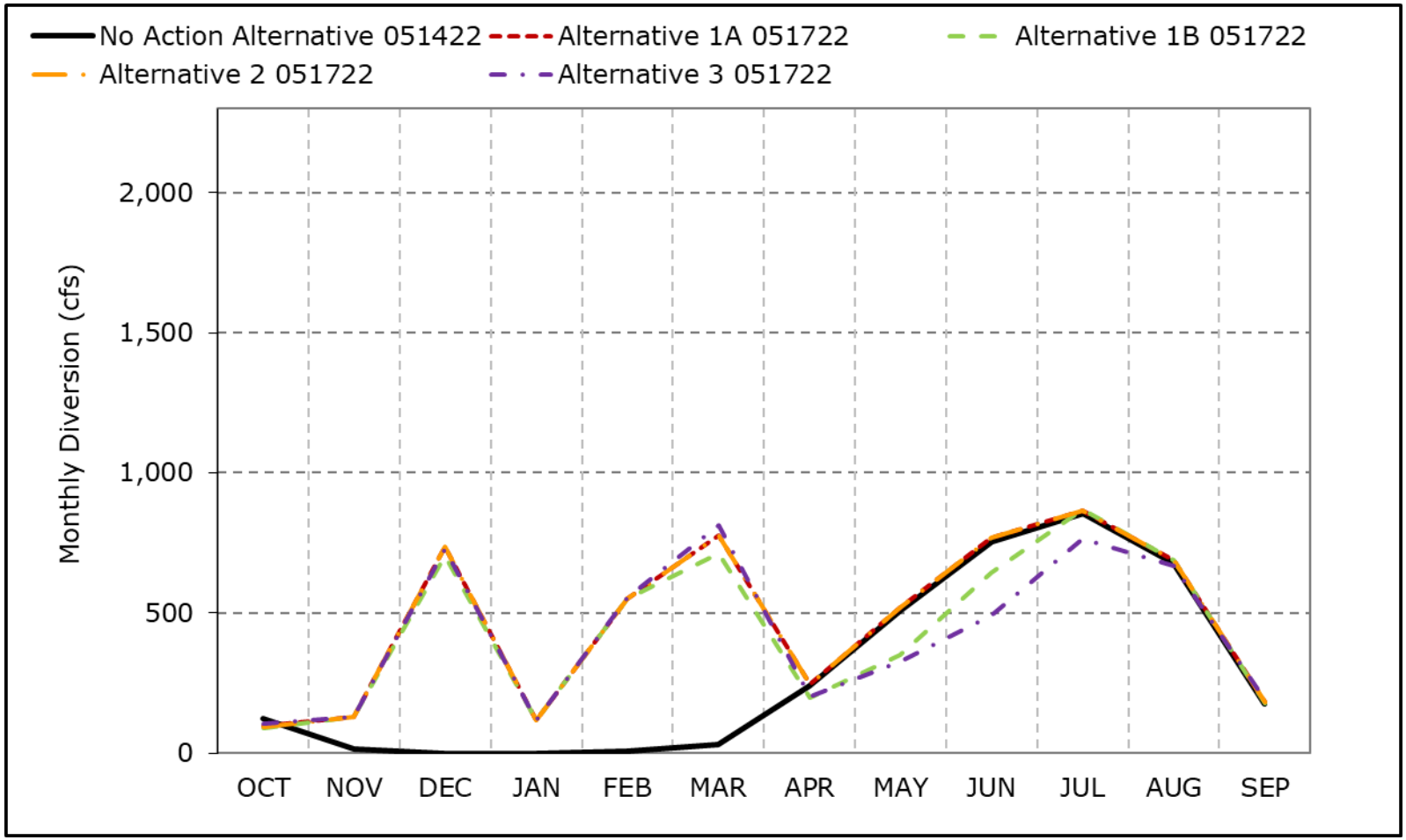
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-4. Red Bluff Diversion - Tehama Colusa Canal, Below Normal Year Average Diversion



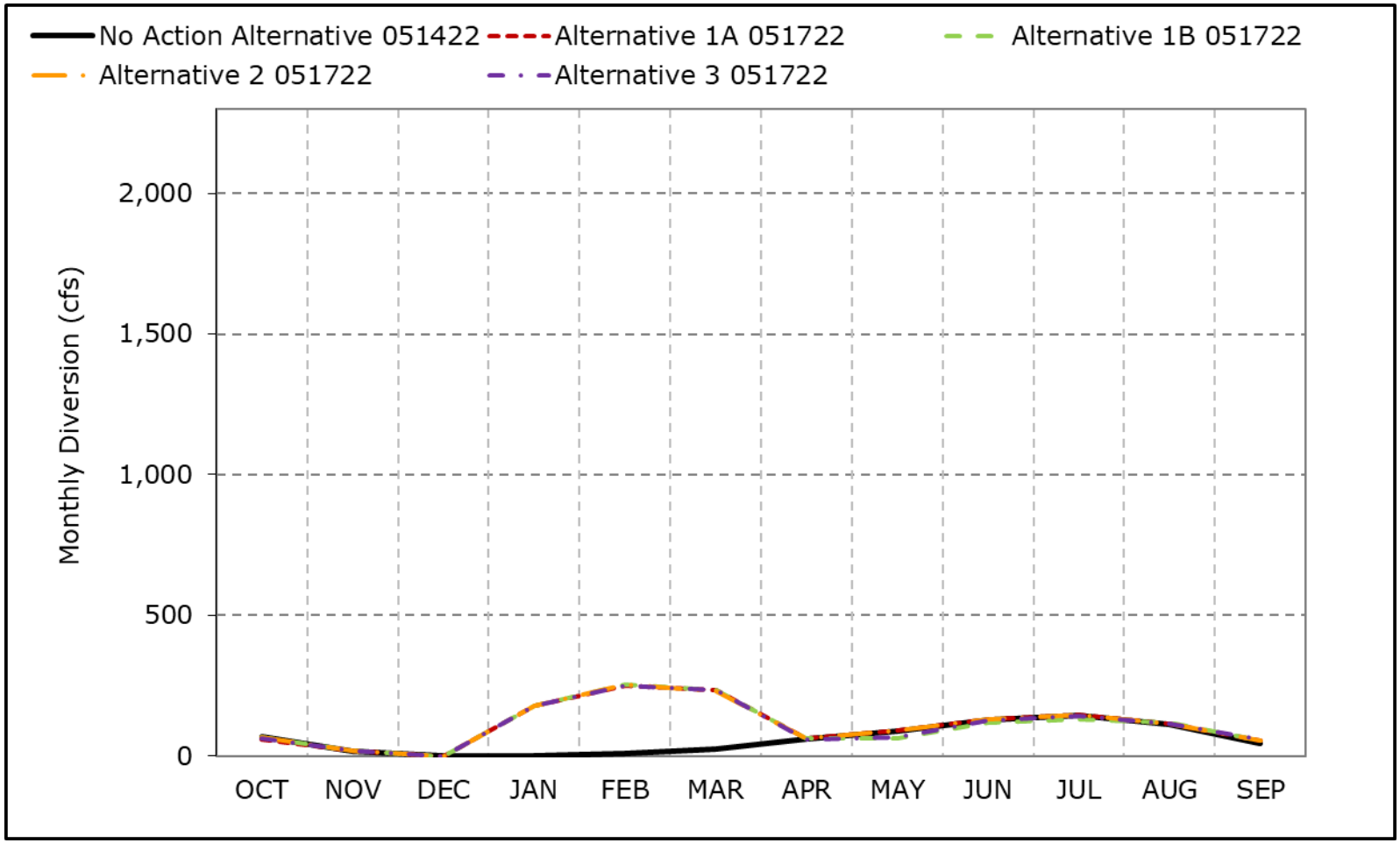
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-5. Red Bluff Diversion - Tehama Colusa Canal, Dry Year Average Diversion



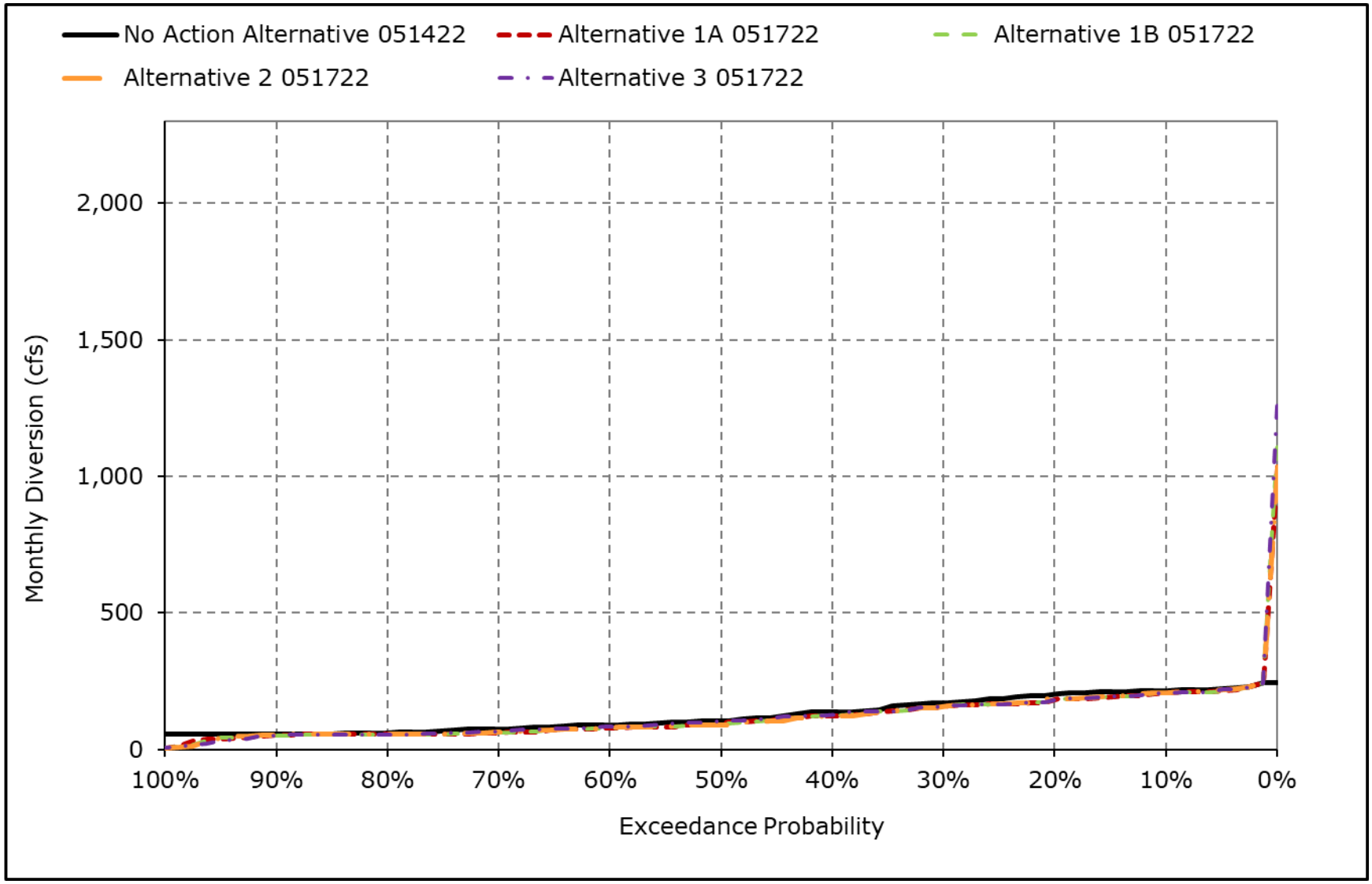
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-6. Red Bluff Diversion - Tehama Colusa Canal, Critical Year Average Diversion



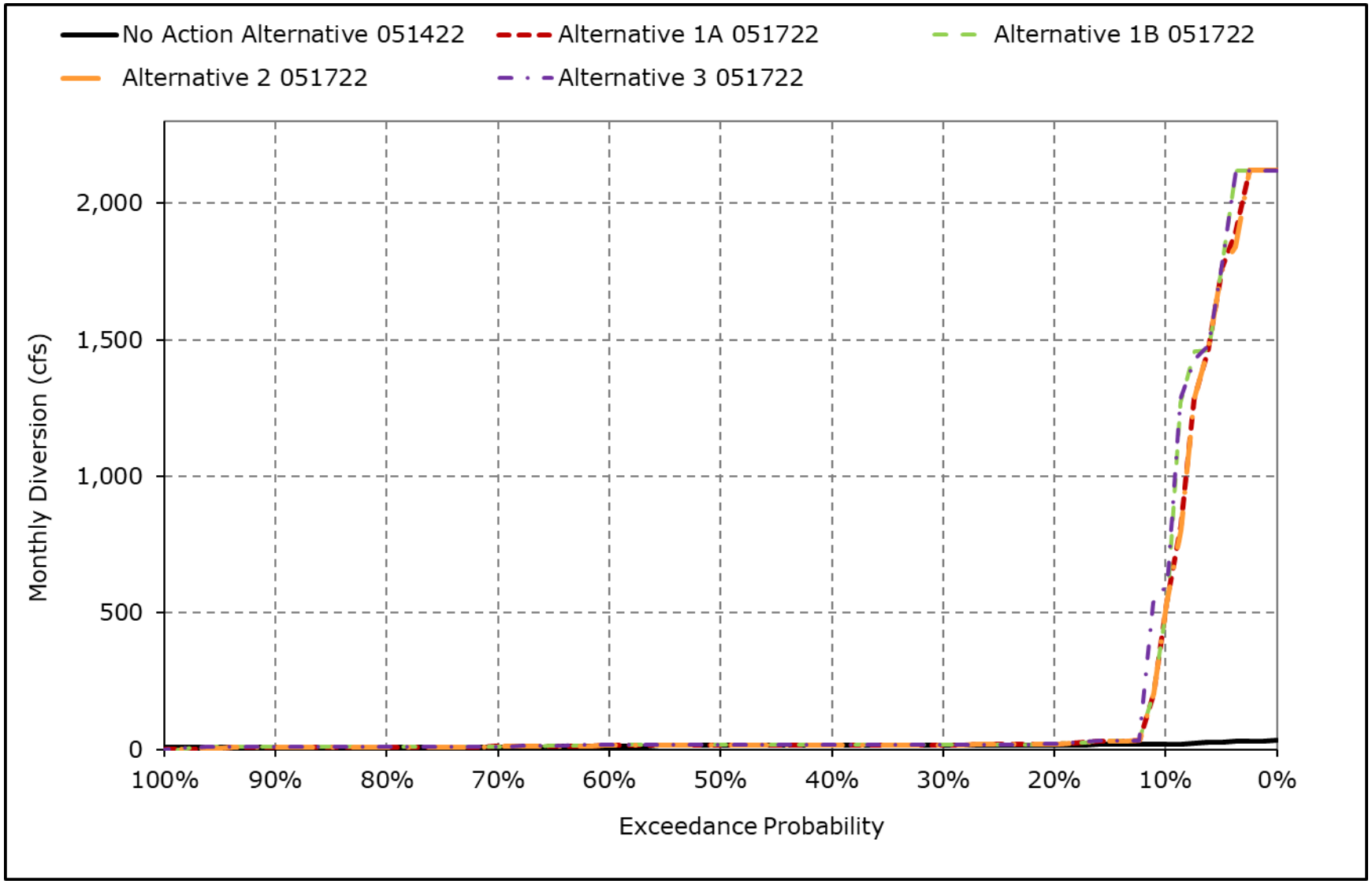
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-7. Red Bluff Diversion - Tehama Colusa Canal, October



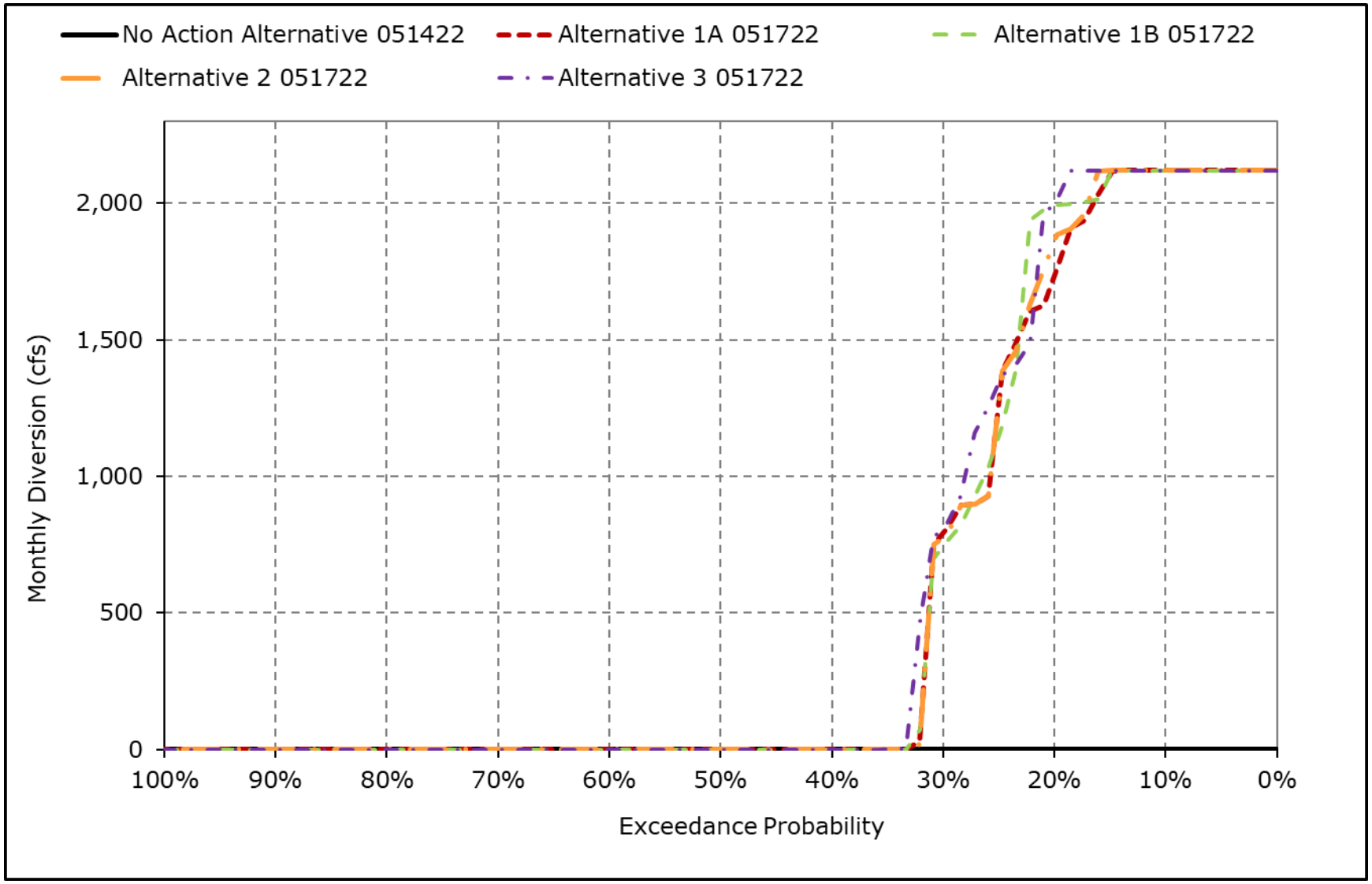
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-8. Red Bluff Diversion - Tehama Colusa Canal, November



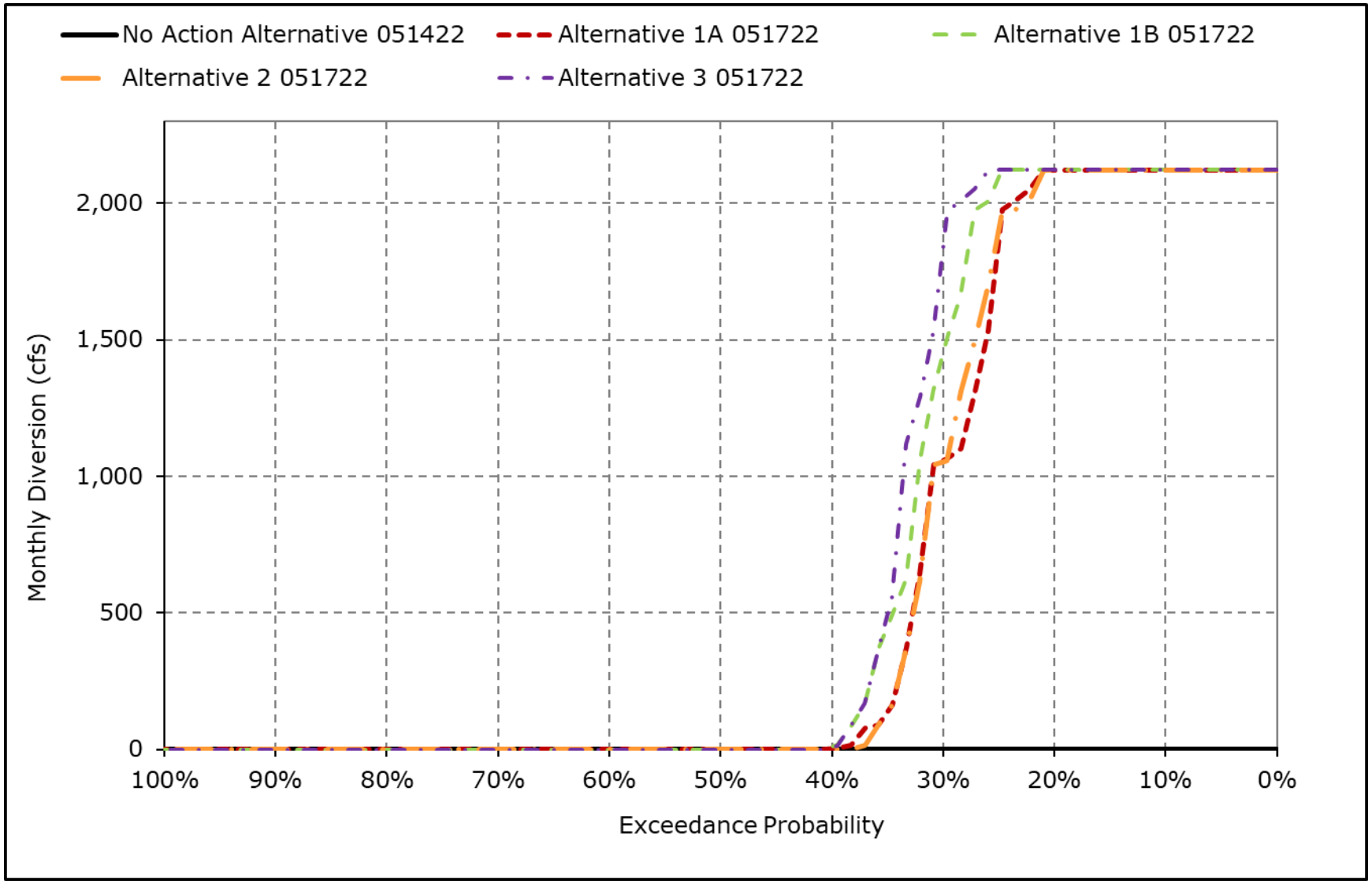
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-9. Red Bluff Diversion - Tehama Colusa Canal, December



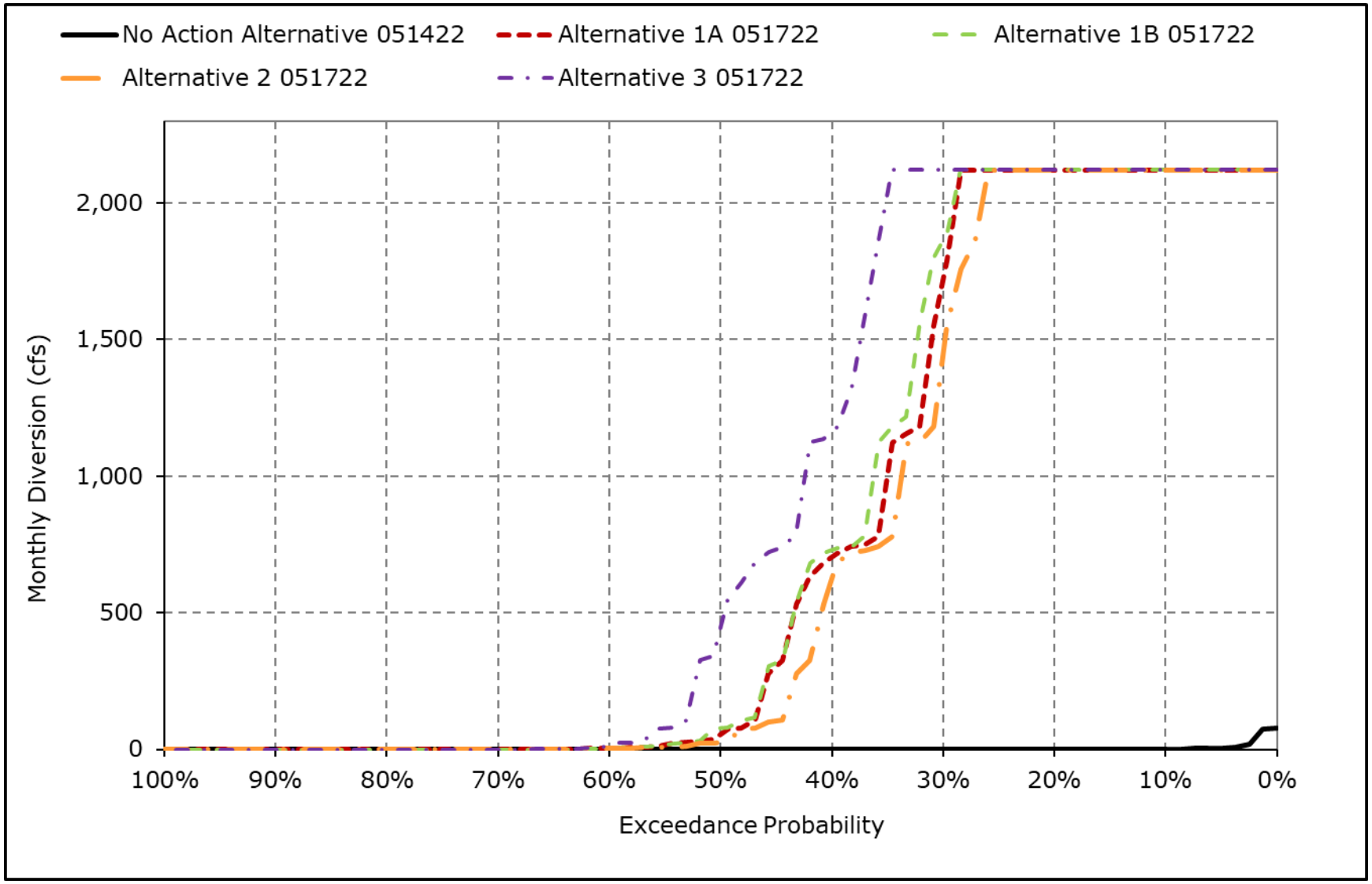
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-10. Red Bluff Diversion - Tehama Colusa Canal, January



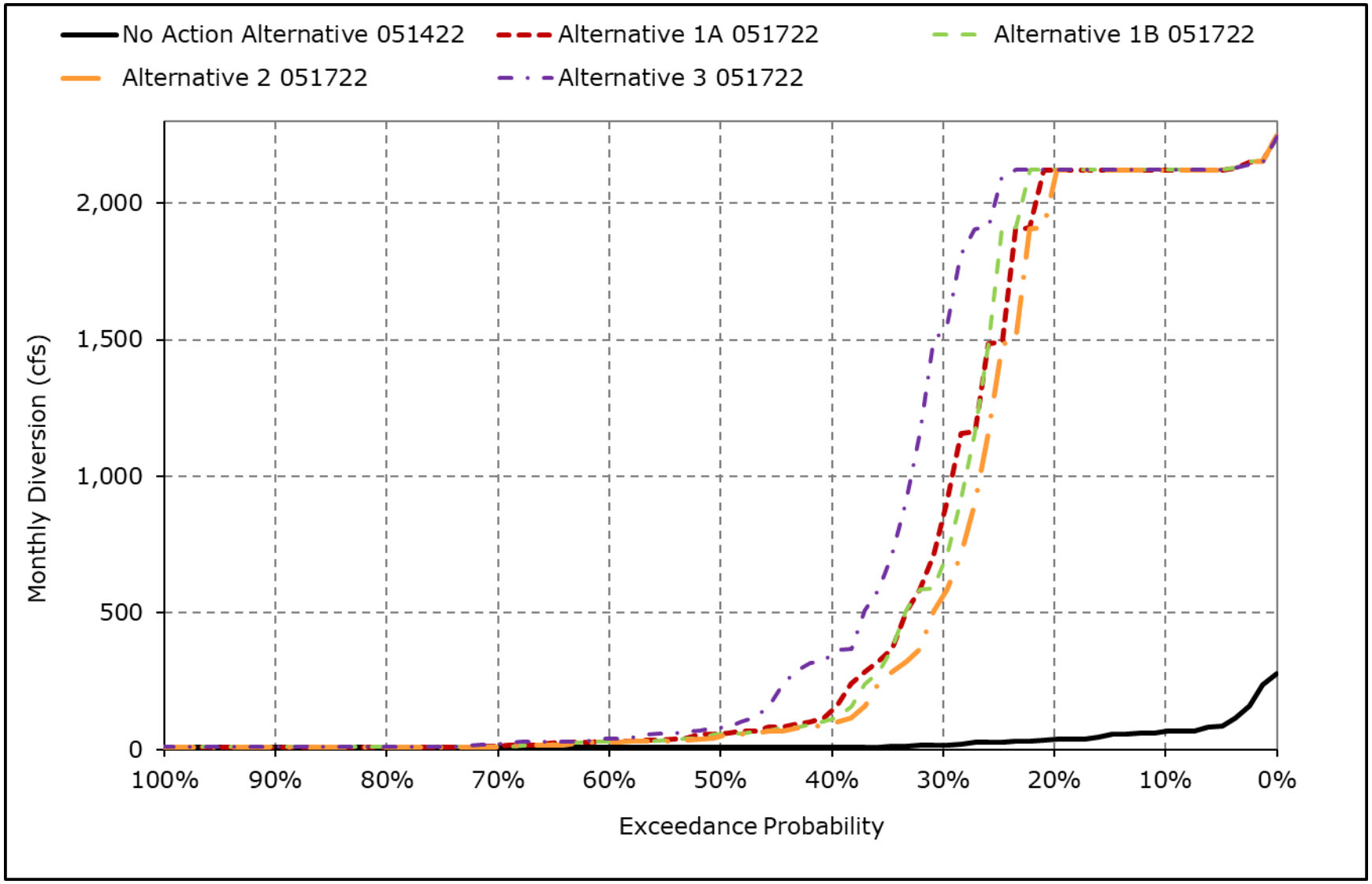
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-11. Red Bluff Diversion - Tehama Colusa Canal, February



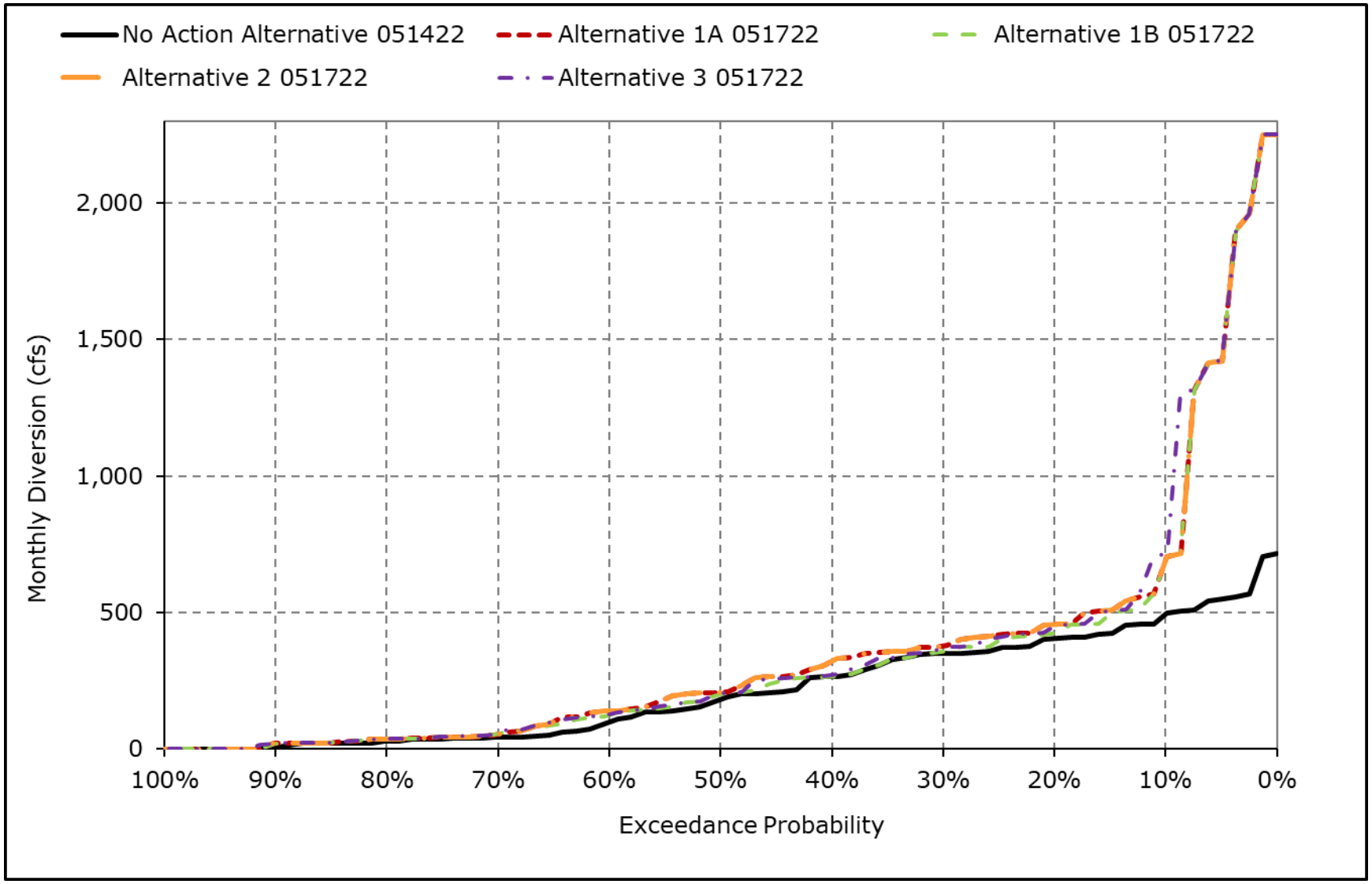
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-12. Red Bluff Diversion - Tehama Colusa Canal, March



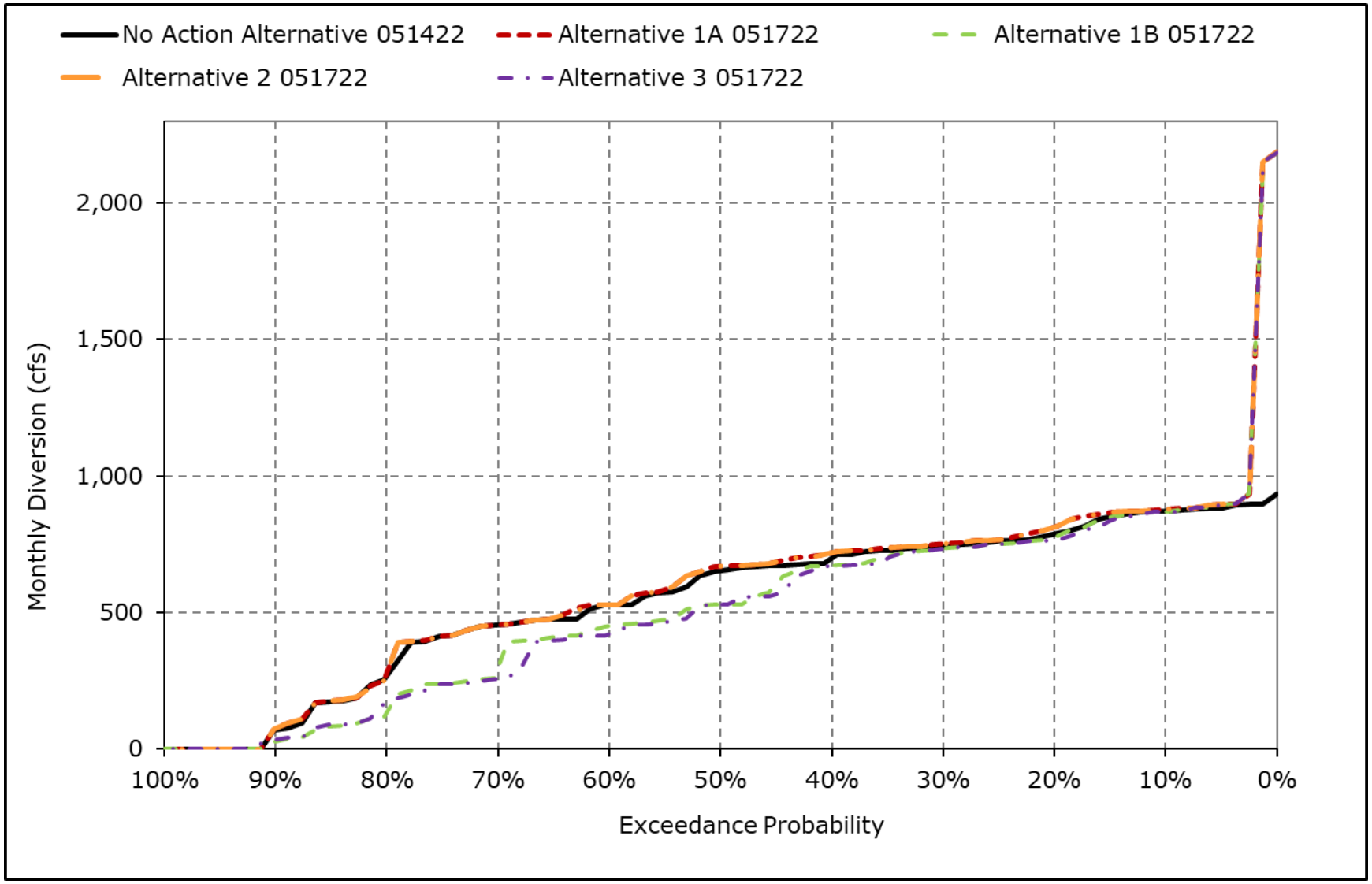
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-13. Red Bluff Diversion - Tehama Colusa Canal, April



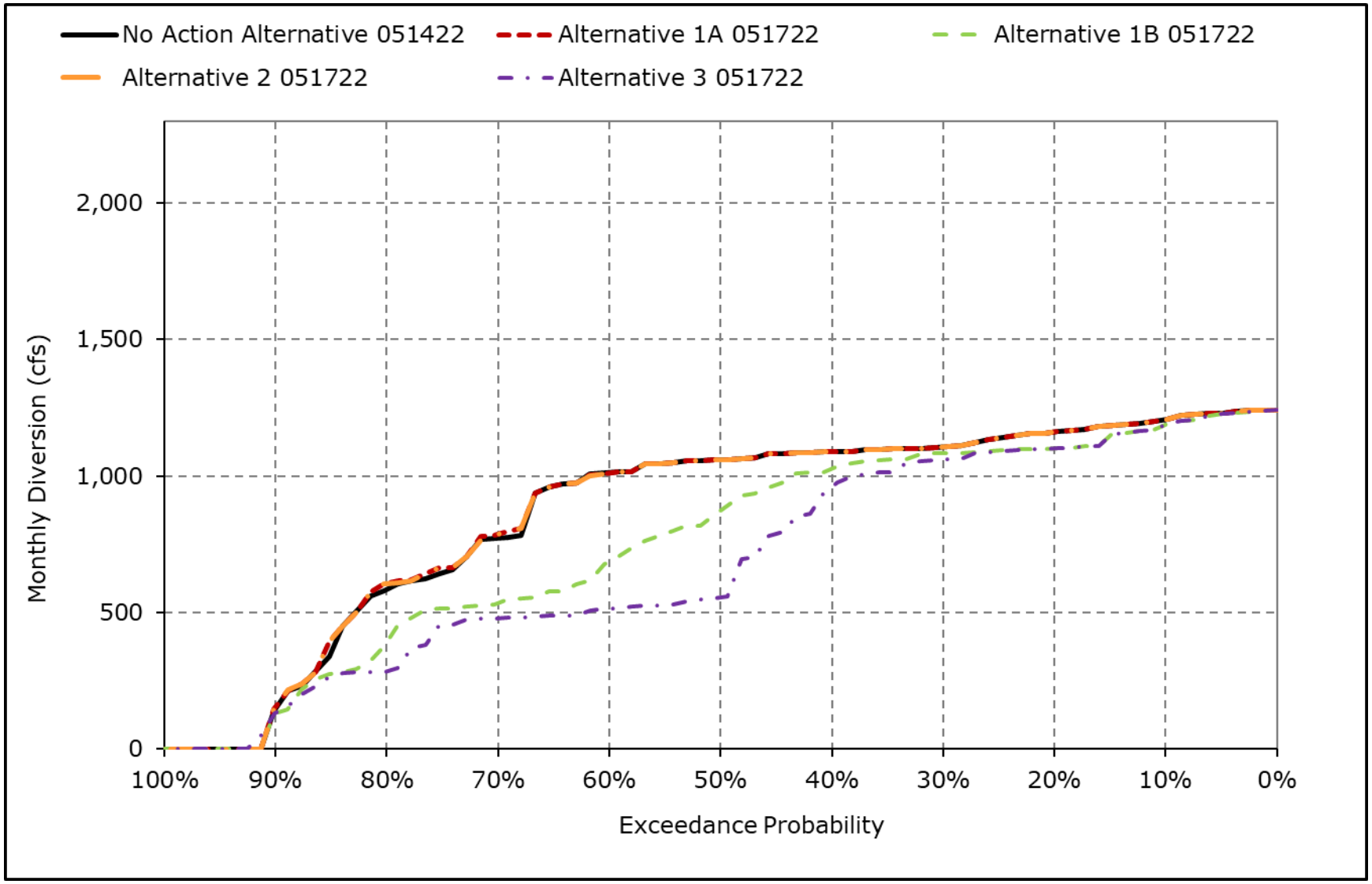
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-14. Red Bluff Diversion - Tehama Colusa Canal, May



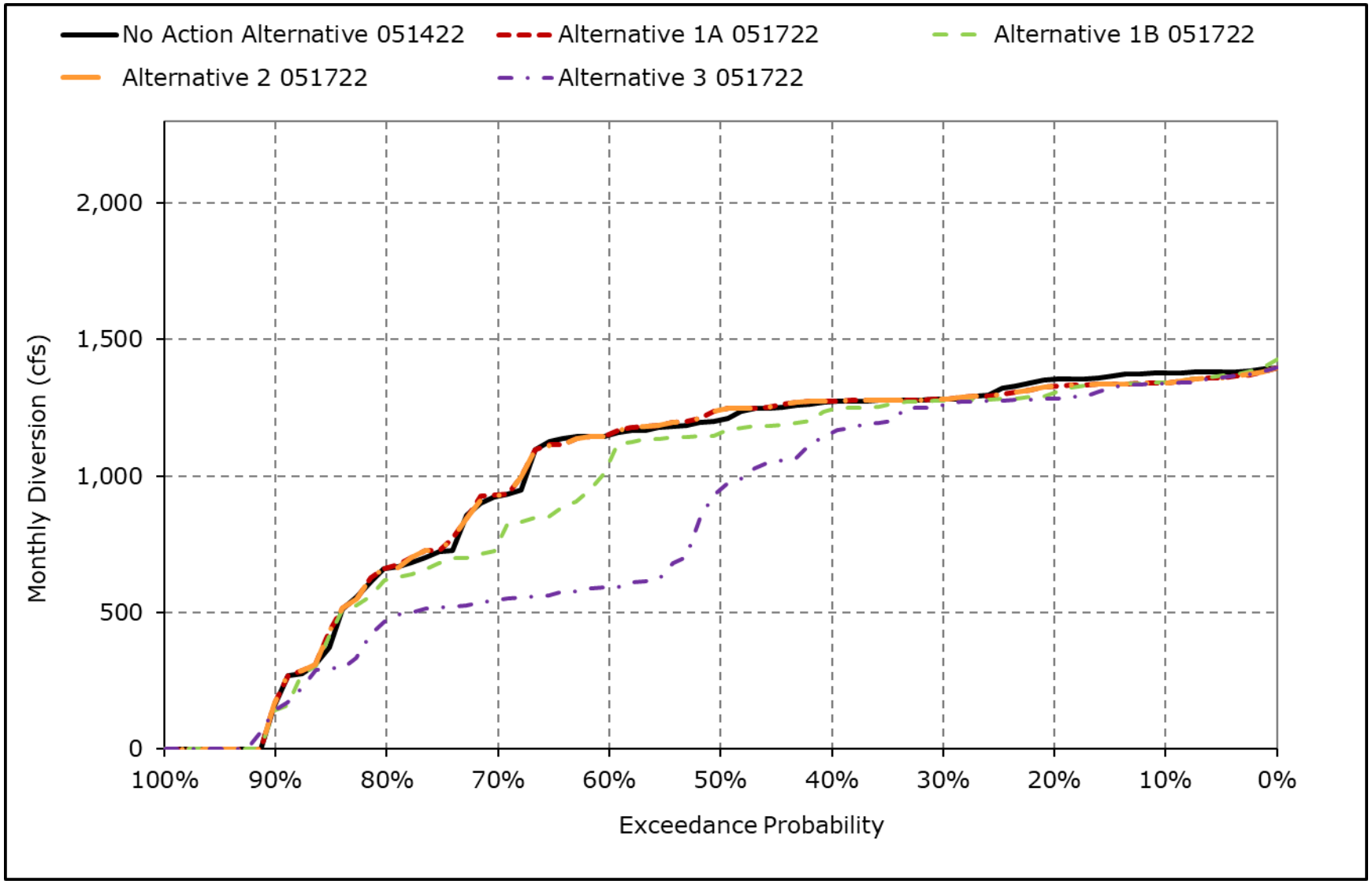
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-15. Red Bluff Diversion - Tehama Colusa Canal, June



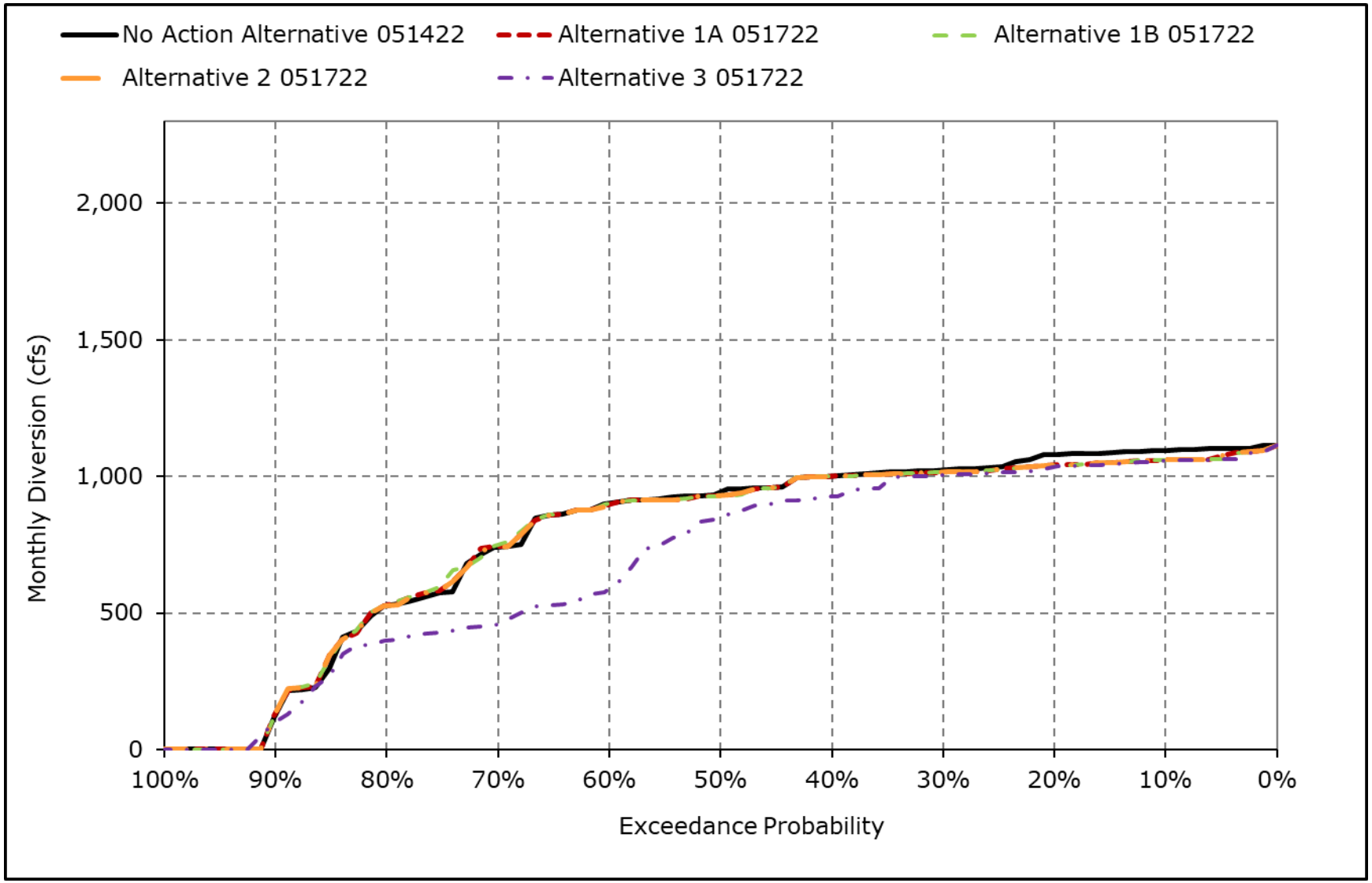
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-16. Red Bluff Diversion - Tehama Colusa Canal, July



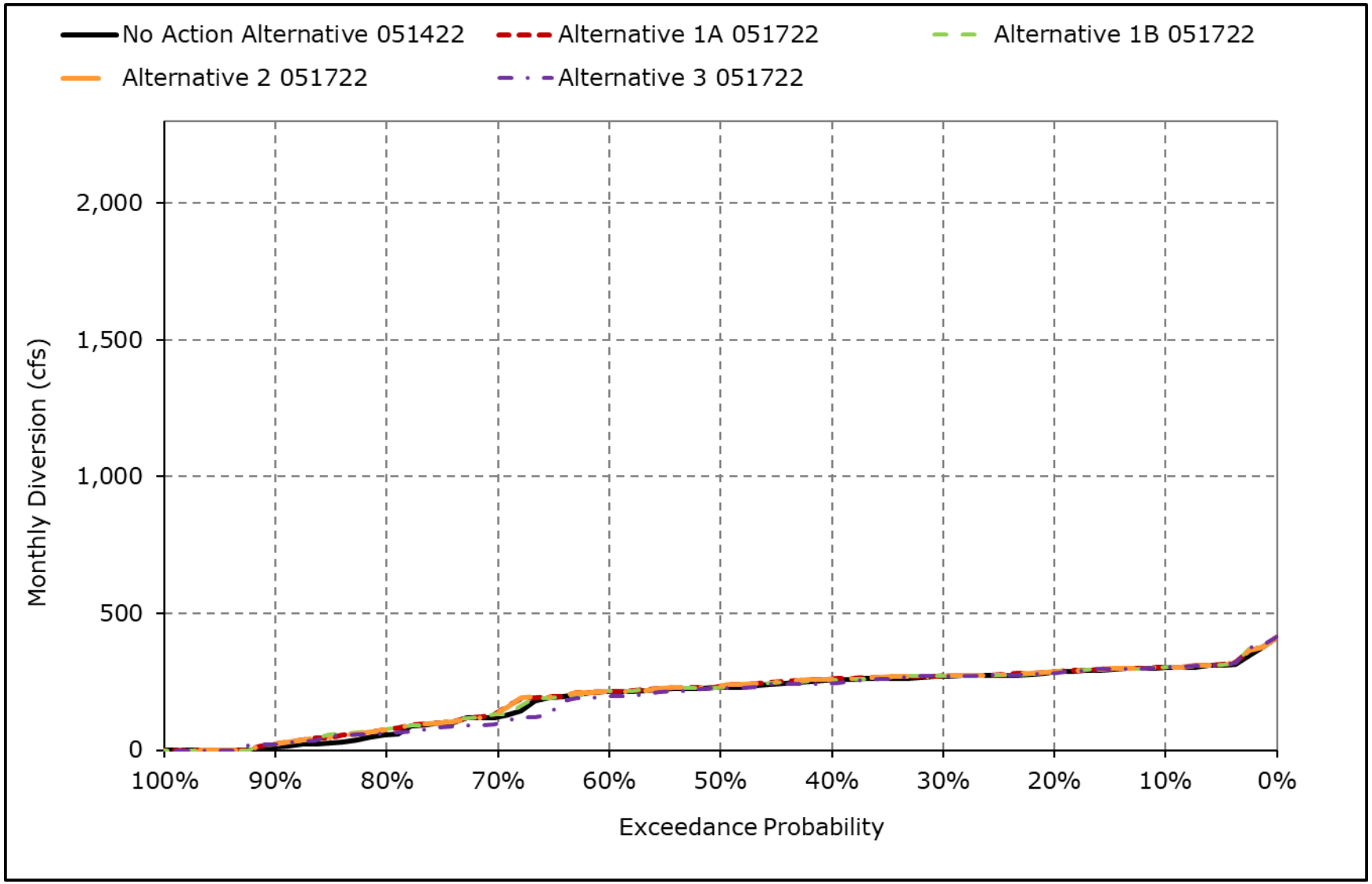
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-17. Red Bluff Diversion - Tehama Colusa Canal, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-1-18. Red Bluff Diversion - Tehama Colusa Canal, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-2-1a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	610	812	292	124	68	67	552	2,340	2,710	2,633	2,241	633
20% Exceedance	605	783	268	86	68	50	525	2,295	2,620	2,617	2,219	633
30% Exceedance	598	749	249	75	68	36	493	2,260	2,534	2,617	2,093	633
40% Exceedance	586	706	224	75	68	23	467	2,245	2,480	2,604	2,065	630
50% Exceedance	574	679	196	75	68	11	451	2,216	2,410	2,563	2,017	625
60% Exceedance	556	647	178	75	68	11	426	2,168	2,347	2,538	1,924	608
70% Exceedance	541	606	158	75	66	11	411	2,079	2,300	2,538	1,912	595
80% Exceedance	516	574	158	75	66	11	391	2,008	2,260	2,518	1,855	536
90% Exceedance	451	543	140	56	52	11	306	1,858	2,225	2,327	1,795	499
Full Simulation Period Average[a]	556	675	205	81	64	31	443	2,143	2,428	2,534	2,014	593
Wet Water Years (32%)	575	696	225	78	64	22	400	2,121	2,247	2,590	2,189	621
Above Normal Water Years (15%)	560	682	199	73	58	17	426	2,081	2,343	2,544	2,009	615
Below Normal Water Years (17%)	561	696	194	82	68	33	453	2,189	2,547	2,630	2,047	590
Dry Water Years (22%)	571	661	218	82	65	32	462	2,187	2,662	2,531	1,879	582
Critical Water Years (15%)	484	615	163	89	64	62	512	2,133	2,412	2,295	1,801	528

Table 5B1-2-1b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1A 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	646	815	755	1,311	1,354	916	571	2,350	2,677	2,617	2,241	633
20% Exceedance	607	783	297	544	665	339	550	2,315	2,608	2,617	2,219	633
30% Exceedance	598	748	272	130	82	66	525	2,274	2,523	2,616	2,093	630
40% Exceedance	578	704	254	89	68	49	499	2,247	2,468	2,572	2,065	599
50% Exceedance	556	671	222	75	68	31	467	2,231	2,387	2,549	1,955	548
60% Exceedance	538	619	185	75	68	15	450	2,192	2,339	2,521	1,860	523
70% Exceedance	506	579	158	75	66	11	423	2,079	2,296	2,423	1,792	476
80% Exceedance	434	536	145	75	52	11	404	2,028	2,257	2,210	1,270	356
90% Exceedance	404	485	94	57	26	7	333	1,863	2,172	1,532	1,018	340
Full Simulation Period Average[a]	560	677	330	292	323	217	607	2,176	2,383	2,366	1,799	558
Wet Water Years (32%)	619	689	223	413	470	222	772	2,232	2,256	2,579	2,190	654
Above Normal Water Years (15%)	566	742	351	545	538	566	583	2,081	2,393	2,504	1,945	562
Below Normal Water Years (17%)	655	706	451	171	218	95	590	2,188	2,540	2,615	1,896	681
Dry Water Years (22%)	458	641	484	150	219	154	462	2,188	2,628	2,122	1,325	410
Critical Water Years (15%)	469	607	164	133	66	94	510	2,115	2,099	1,844	1,404	426

Table 5B1-2-1c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	35	3	463	1,187	1,286	849	18	10	-33	-16	0	0
20% Exceedance	2	0	29	458	596	289	26	20	-13	0	0	0
30% Exceedance	0	-1	23	56	13	30	32	14	-11	-1	0	-3
40% Exceedance	-8	-2	30	14	0	26	32	2	-12	-31	0	-31
50% Exceedance	-17	-8	26	0	0	20	16	14	-23	-14	-62	-77
60% Exceedance	-19	-29	7	0	0	3	24	24	-7	-17	-64	-85
70% Exceedance	-34	-27	0	0	0	0	12	0	-4	-115	-120	-119
80% Exceedance	-82	-38	-13	0	-14	0	13	20	-3	-308	-584	-180
90% Exceedance	-47	-58	-46	1	-26	-4	27	4	-52	-795	-778	-159
Full Simulation Period Average[a]	4	3	124	212	259	186	164	33	-45	-168	-215	-34
Wet Water Years (32%)	44	-8	-2	335	406	200	372	111	9	-11	1	33
Above Normal Water Years (15%)	6	61	152	472	481	549	157	0	49	-40	-63	-52
Below Normal Water Years (17%)	94	10	257	89	151	62	137	-1	-7	-14	-151	91
Dry Water Years (22%)	-113	-20	266	69	154	122	0	1	-34	-409	-554	-172
Critical Water Years (15%)	-15	-8	2	44	2	32	-2	-18	-313	-451	-398	-102

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-2-2a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	610	812	292	124	68	67	552	2,340	2,710	2,633	2,241	633
20% Exceedance	605	783	268	86	68	50	525	2,295	2,620	2,617	2,219	633
30% Exceedance	598	749	249	75	68	36	493	2,260	2,534	2,617	2,093	633
40% Exceedance	586	706	224	75	68	23	467	2,245	2,480	2,604	2,065	630
50% Exceedance	574	679	196	75	68	11	451	2,216	2,410	2,563	2,017	625
60% Exceedance	556	647	178	75	68	11	426	2,168	2,347	2,538	1,924	608
70% Exceedance	541	606	158	75	66	11	411	2,079	2,300	2,538	1,912	595
80% Exceedance	516	574	158	75	66	11	391	2,008	2,260	2,518	1,855	536
90% Exceedance	451	543	140	56	52	11	306	1,858	2,225	2,327	1,795	499
Full Simulation Period Average[a]	556	675	205	81	64	31	443	2,143	2,428	2,534	2,014	593
Wet Water Years (32%)	575	696	225	78	64	22	400	2,121	2,247	2,590	2,189	621
Above Normal Water Years (15%)	560	682	199	73	58	17	426	2,081	2,343	2,544	2,009	615
Below Normal Water Years (17%)	561	696	194	82	68	33	453	2,189	2,547	2,630	2,047	590
Dry Water Years (22%)	571	661	218	82	65	32	462	2,187	2,662	2,531	1,879	582
Critical Water Years (15%)	484	615	163	89	64	62	512	2,133	2,412	2,295	1,801	528

Table 5B1-2-2b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1B 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	648	816	935	1,311	1,354	920	569	2,330	2,677	2,617	2,241	633
20% Exceedance	611	786	303	644	792	393	547	2,289	2,614	2,617	2,219	633
30% Exceedance	599	755	272	139	82	70	523	2,257	2,529	2,615	2,093	630
40% Exceedance	576	712	255	112	68	52	490	2,242	2,428	2,565	2,065	625
50% Exceedance	556	685	222	75	68	33	463	2,212	2,351	2,549	1,959	586
60% Exceedance	540	640	185	75	68	18	442	2,092	2,310	2,521	1,900	537
70% Exceedance	513	597	158	75	66	11	420	2,035	2,271	2,395	1,795	491
80% Exceedance	441	555	145	75	52	11	392	1,942	2,225	2,210	1,590	424
90% Exceedance	400	503	94	57	26	7	312	1,680	2,099	1,542	1,022	343
Full Simulation Period Average[a]	562	694	342	320	333	236	601	2,096	2,351	2,361	1,839	587
Wet Water Years (32%)	619	708	266	451	504	252	772	2,224	2,252	2,583	2,183	713
Above Normal Water Years (15%)	566	742	353	593	538	625	583	2,081	2,227	2,480	1,985	597
Below Normal Water Years (17%)	654	713	451	216	218	95	590	1,978	2,544	2,601	1,962	692
Dry Water Years (22%)	470	680	480	151	219	156	436	2,010	2,629	2,136	1,440	406
Critical Water Years (15%)	465	612	164	134	66	94	510	2,099	2,045	1,821	1,405	453

Table 5B1-2-2c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	38	4	643	1,187	1,286	853	16	-10	-33	-16	0	0
20% Exceedance	6	4	34	558	723	343	22	-6	-6	0	0	0
30% Exceedance	0	6	23	65	13	34	30	-3	-5	-2	0	-3
40% Exceedance	-10	7	32	37	0	29	23	-3	-52	-39	0	-5
50% Exceedance	-17	6	26	0	0	22	13	-4	-60	-14	-58	-39
60% Exceedance	-17	-7	7	0	0	6	16	-76	-37	-17	-24	-70
70% Exceedance	-27	-9	0	0	0	0	9	-44	-29	-143	-116	-105
80% Exceedance	-76	-19	-13	0	-14	0	1	-66	-35	-308	-265	-112
90% Exceedance	-51	-41	-46	1	-26	-4	6	-179	-125	-785	-773	-156
Full Simulation Period Average[a]	6	19	137	239	270	205	158	-47	-77	-173	-174	-6
Wet Water Years (32%)	45	12	41	373	440	231	372	104	5	-8	-6	92
Above Normal Water Years (15%)	6	61	154	520	480	608	157	0	-117	-65	-23	-18
Below Normal Water Years (17%)	93	17	257	134	151	61	138	-210	-3	-29	-85	102
Dry Water Years (22%)	-101	19	262	69	154	124	-27	-177	-33	-395	-440	-176
Critical Water Years (15%)	-18	-3	1	45	2	32	-2	-34	-367	-474	-397	-75

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-2-3a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	610	812	292	124	68	67	552	2,340	2,710	2,633	2,241	633
20% Exceedance	605	783	268	86	68	50	525	2,295	2,620	2,617	2,219	633
30% Exceedance	598	749	249	75	68	36	493	2,260	2,534	2,617	2,093	633
40% Exceedance	586	706	224	75	68	23	467	2,245	2,480	2,604	2,065	630
50% Exceedance	574	679	196	75	68	11	451	2,216	2,410	2,563	2,017	625
60% Exceedance	556	647	178	75	68	11	426	2,168	2,347	2,538	1,924	608
70% Exceedance	541	606	158	75	66	11	411	2,079	2,300	2,538	1,912	595
80% Exceedance	516	574	158	75	66	11	391	2,008	2,260	2,518	1,855	536
90% Exceedance	451	543	140	56	52	11	306	1,858	2,225	2,327	1,795	499
Full Simulation Period Average[a]	556	675	205	81	64	31	443	2,143	2,428	2,534	2,014	593
Wet Water Years (32%)	575	696	225	78	64	22	400	2,121	2,247	2,590	2,189	621
Above Normal Water Years (15%)	560	682	199	73	58	17	426	2,081	2,343	2,544	2,009	615
Below Normal Water Years (17%)	561	696	194	82	68	33	453	2,189	2,547	2,630	2,047	590
Dry Water Years (22%)	571	661	218	82	65	32	462	2,187	2,662	2,531	1,879	582
Critical Water Years (15%)	484	615	163	89	64	62	512	2,133	2,412	2,295	1,801	528

Table 5B1-2-3b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 2 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	646	815	754	1,304	1,354	916	571	2,350	2,677	2,617	2,241	633
20% Exceedance	612	783	297	532	497	174	550	2,315	2,608	2,617	2,219	633
30% Exceedance	600	749	271	130	78	64	525	2,274	2,523	2,616	2,093	628
40% Exceedance	587	706	254	89	68	46	499	2,247	2,468	2,573	2,065	595
50% Exceedance	556	673	222	75	68	29	467	2,227	2,388	2,549	1,954	545
60% Exceedance	540	624	185	75	68	14	450	2,192	2,339	2,521	1,860	505
70% Exceedance	506	584	158	75	66	11	423	2,079	2,296	2,423	1,792	471
80% Exceedance	429	543	147	75	52	11	403	2,028	2,257	2,234	1,326	366
90% Exceedance	400	492	118	57	26	7	333	1,863	2,172	1,542	1,026	343
Full Simulation Period Average[a]	559	681	325	286	291	209	607	2,175	2,383	2,368	1,813	557
Wet Water Years (32%)	619	689	222	397	369	205	772	2,230	2,255	2,579	2,190	654
Above Normal Water Years (15%)	566	742	366	538	538	555	583	2,081	2,393	2,504	1,936	528
Below Normal Water Years (17%)	651	706	451	171	218	91	590	2,188	2,540	2,615	1,896	681
Dry Water Years (22%)	460	658	457	150	219	154	462	2,188	2,630	2,128	1,336	413
Critical Water Years (15%)	465	606	164	133	66	94	510	2,115	2,099	1,848	1,492	444

Table 5B1-2-3c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 2 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	35	3	462	1,181	1,286	849	18	10	-33	-16	0	0
20% Exceedance	7	0	29	446	429	124	26	20	-13	0	0	0
30% Exceedance	2	0	23	56	10	28	32	14	-11	-1	0	-5
40% Exceedance	1	0	30	14	0	23	32	2	-12	-30	0	-35
50% Exceedance	-17	-6	26	0	0	18	16	11	-22	-14	-64	-80
60% Exceedance	-17	-23	7	0	0	3	24	24	-7	-17	-64	-102
70% Exceedance	-35	-22	0	0	0	0	12	0	-4	-115	-119	-124
80% Exceedance	-87	-31	-11	0	-14	0	13	20	-3	-284	-529	-170
90% Exceedance	-51	-52	-22	1	-26	-4	27	4	-52	-785	-770	-156
Full Simulation Period Average[a]	3	6	120	206	227	178	164	32	-44	-166	-201	-36
Wet Water Years (32%)	44	-8	-4	318	305	184	371	109	8	-11	1	33
Above Normal Water Years (15%)	6	61	167	466	481	538	157	0	49	-40	-72	-87
Below Normal Water Years (17%)	90	10	257	89	151	58	137	-1	-7	-15	-151	91
Dry Water Years (22%)	-111	-3	238	69	154	122	0	1	-31	-403	-544	-170
Critical Water Years (15%)	-18	-10	1	44	2	32	-2	-18	-313	-447	-309	-83

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-2-4a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	610	812	292	124	68	67	552	2,340	2,710	2,633	2,241	633
20% Exceedance	605	783	268	86	68	50	525	2,295	2,620	2,617	2,219	633
30% Exceedance	598	749	249	75	68	36	493	2,260	2,534	2,617	2,093	633
40% Exceedance	586	706	224	75	68	23	467	2,245	2,480	2,604	2,065	630
50% Exceedance	574	679	196	75	68	11	451	2,216	2,410	2,563	2,017	625
60% Exceedance	556	647	178	75	68	11	426	2,168	2,347	2,538	1,924	608
70% Exceedance	541	606	158	75	66	11	411	2,079	2,300	2,538	1,912	595
80% Exceedance	516	574	158	75	66	11	391	2,008	2,260	2,518	1,855	536
90% Exceedance	451	543	140	56	52	11	306	1,858	2,225	2,327	1,795	499
Full Simulation Period Average[a]	556	675	205	81	64	31	443	2,143	2,428	2,534	2,014	593
Wet Water Years (32%)	575	696	225	78	64	22	400	2,121	2,247	2,590	2,189	621
Above Normal Water Years (15%)	560	682	199	73	58	17	426	2,081	2,343	2,544	2,009	615
Below Normal Water Years (17%)	561	696	194	82	68	33	453	2,189	2,547	2,630	2,047	590
Dry Water Years (22%)	571	661	218	82	65	32	462	2,187	2,662	2,531	1,879	582
Critical Water Years (15%)	484	615	163	89	64	62	512	2,133	2,412	2,295	1,801	528

Table 5B1-2-4b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 3 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	656	818	1,117	1,311	1,401	1,401	570	2,329	2,614	2,617	2,241	633
20% Exceedance	612	780	310	709	1,322	619	547	2,288	2,481	2,616	2,219	633
30% Exceedance	600	749	280	140	170	77	523	2,249	2,349	2,562	2,093	630
40% Exceedance	587	717	258	118	72	54	477	2,226	2,304	2,512	1,986	618
50% Exceedance	569	697	229	77	68	36	460	2,152	2,266	2,359	1,906	575
60% Exceedance	548	656	185	75	68	21	437	2,053	2,210	2,274	1,828	526
70% Exceedance	525	600	158	75	66	11	416	1,982	2,103	1,598	1,788	487
80% Exceedance	444	553	148	75	52	11	391	1,798	1,695	1,504	1,148	369
90% Exceedance	404	508	119	56	26	7	312	1,319	1,566	1,436	1,026	343
Full Simulation Period Average[a]	581	696	367	348	401	286	620	2,036	2,153	2,130	1,792	581
Wet Water Years (32%)	620	708	262	521	665	333	841	2,222	2,252	2,583	2,183	713
Above Normal Water Years (15%)	653	724	550	638	649	639	583	2,081	2,027	1,533	1,559	524
Below Normal Water Years (17%)	644	714	489	219	219	196	591	1,938	2,083	2,256	1,816	672
Dry Water Years (22%)	502	704	436	150	219	182	436	1,882	2,197	2,016	1,463	421
Critical Water Years (15%)	468	610	161	133	66	94	488	1,929	2,083	1,772	1,646	488

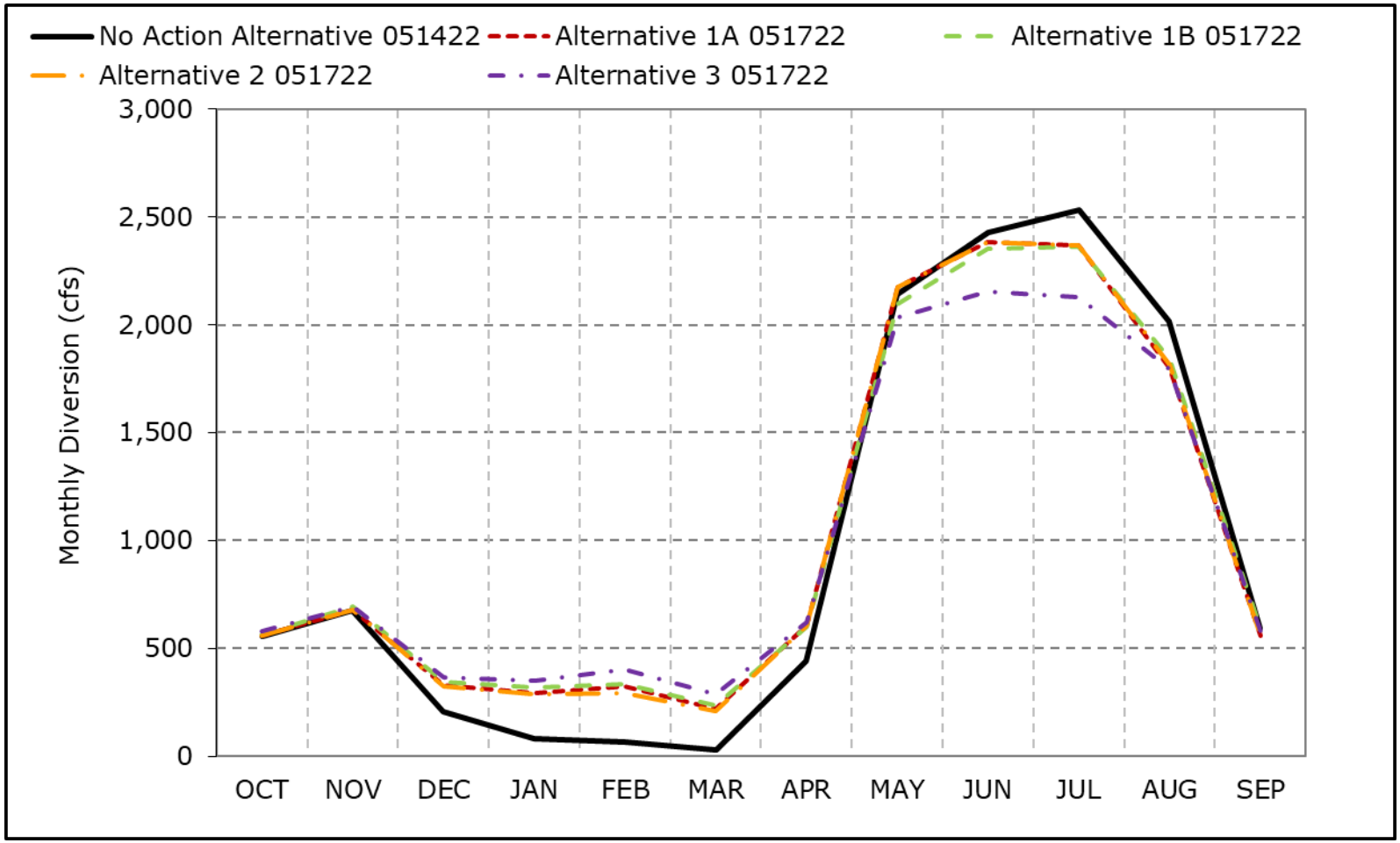
Table 5B1-2-4c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 3 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	46	7	825	1,187	1,332	1,335	18	-11	-96	-16	0	0
20% Exceedance	7	-3	41	623	1,254	569	22	-7	-140	-1	0	0
30% Exceedance	2	0	31	65	102	41	30	-11	-185	-55	0	-3
40% Exceedance	2	12	34	43	4	31	10	-19	-176	-92	-80	-12
50% Exceedance	-4	18	33	2	0	24	9	-65	-144	-203	-111	-50
60% Exceedance	-9	8	7	0	0	10	11	-114	-136	-264	-96	-82
70% Exceedance	-16	-5	0	0	0	0	6	-98	-196	-940	-124	-108
80% Exceedance	-72	-21	-10	0	-14	0	0	-210	-565	-1,014	-707	-167
90% Exceedance	-47	-36	-21	0	-26	-4	6	-539	-658	-891	-769	-156
Full Simulation Period Average[a]	25	21	161	268	337	255	177	-107	-274	-404	-221	-11
Wet Water Years (32%)	45	12	37	442	600	312	441	101	5	-8	-6	92
Above Normal Water Years (15%)	92	42	351	565	592	623	157	0	-316	-1,011	-450	-90
Below Normal Water Years (17%)	83	18	295	137	151	162	138	-251	-464	-373	-231	82
Dry Water Years (22%)	-69	42	218	69	154	150	-26	-305	-465	-515	-417	-161
Critical Water Years (15%)	-16	-5	-1	43	2	32	-24	-204	-329	-523	-155	-40

[a] Based on the 82-year simulation period.

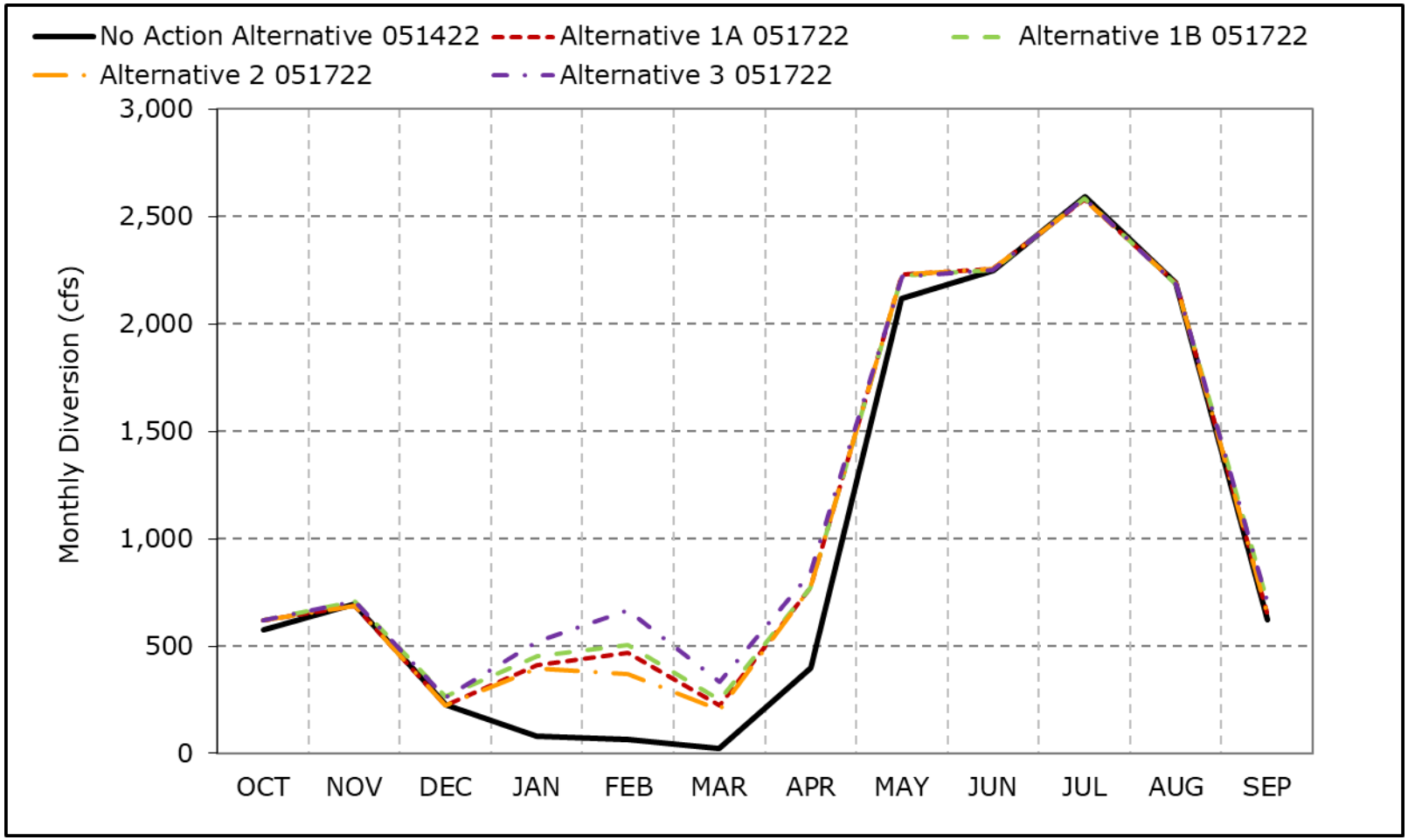
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-2-1. Hamilton City Diversion - Glenn Colusa Canal, Long-Term Average Diversion



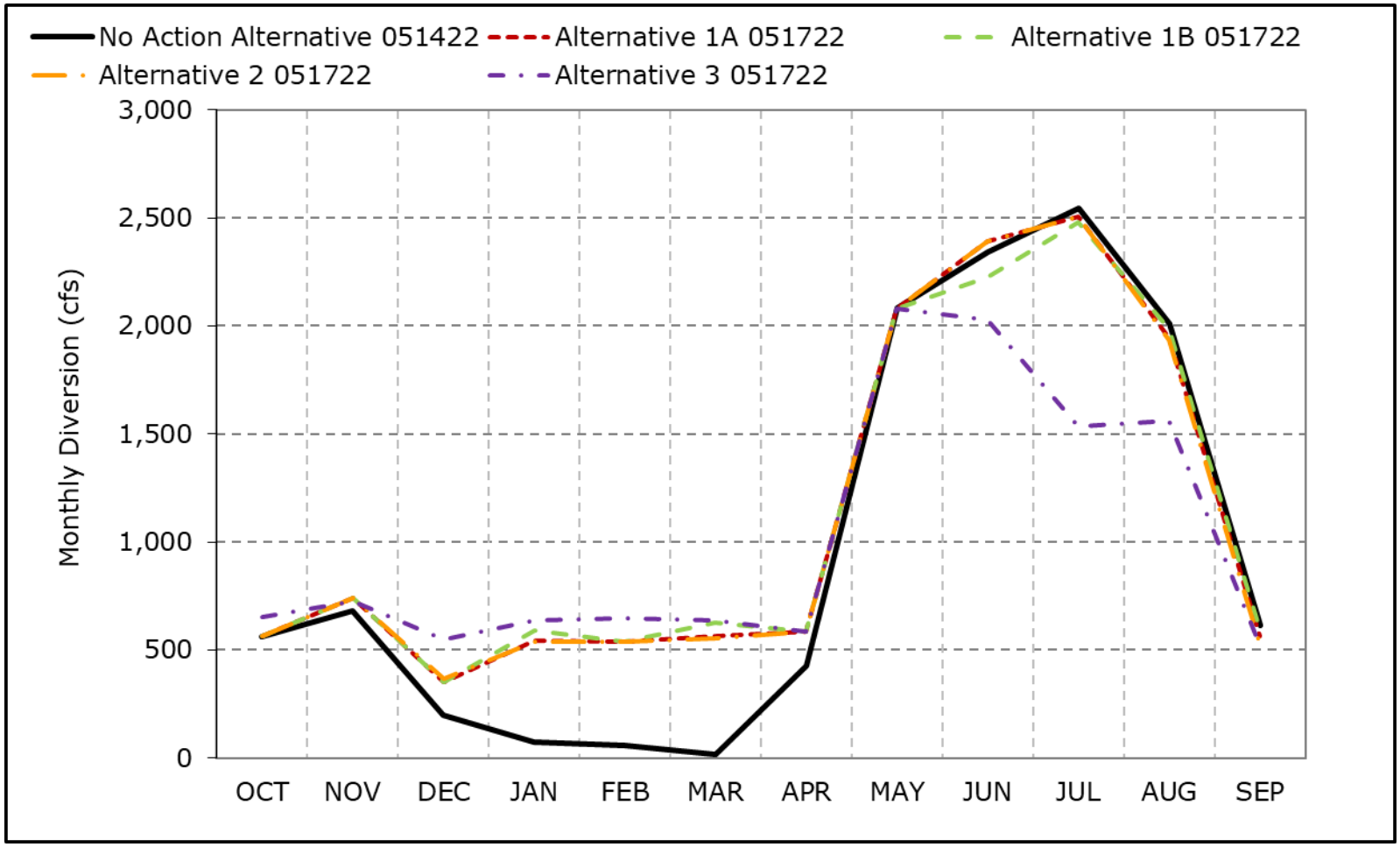
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-2. Hamilton City Diversion - Glenn Colusa Canal, Wet Year Average Diversion



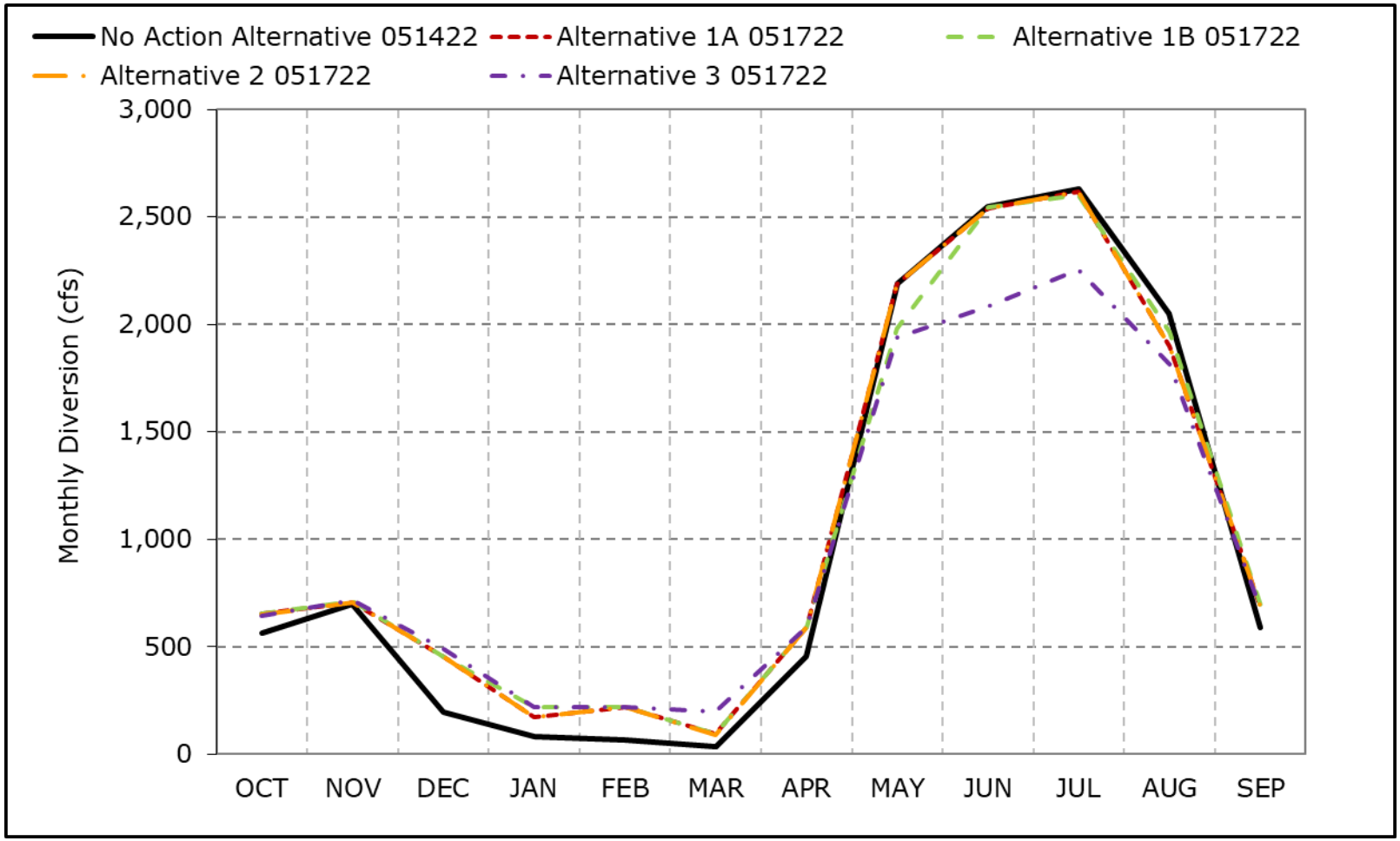
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-3. Hamilton City Diversion - Glenn Colusa Canal, Above Normal Year Average Diversion



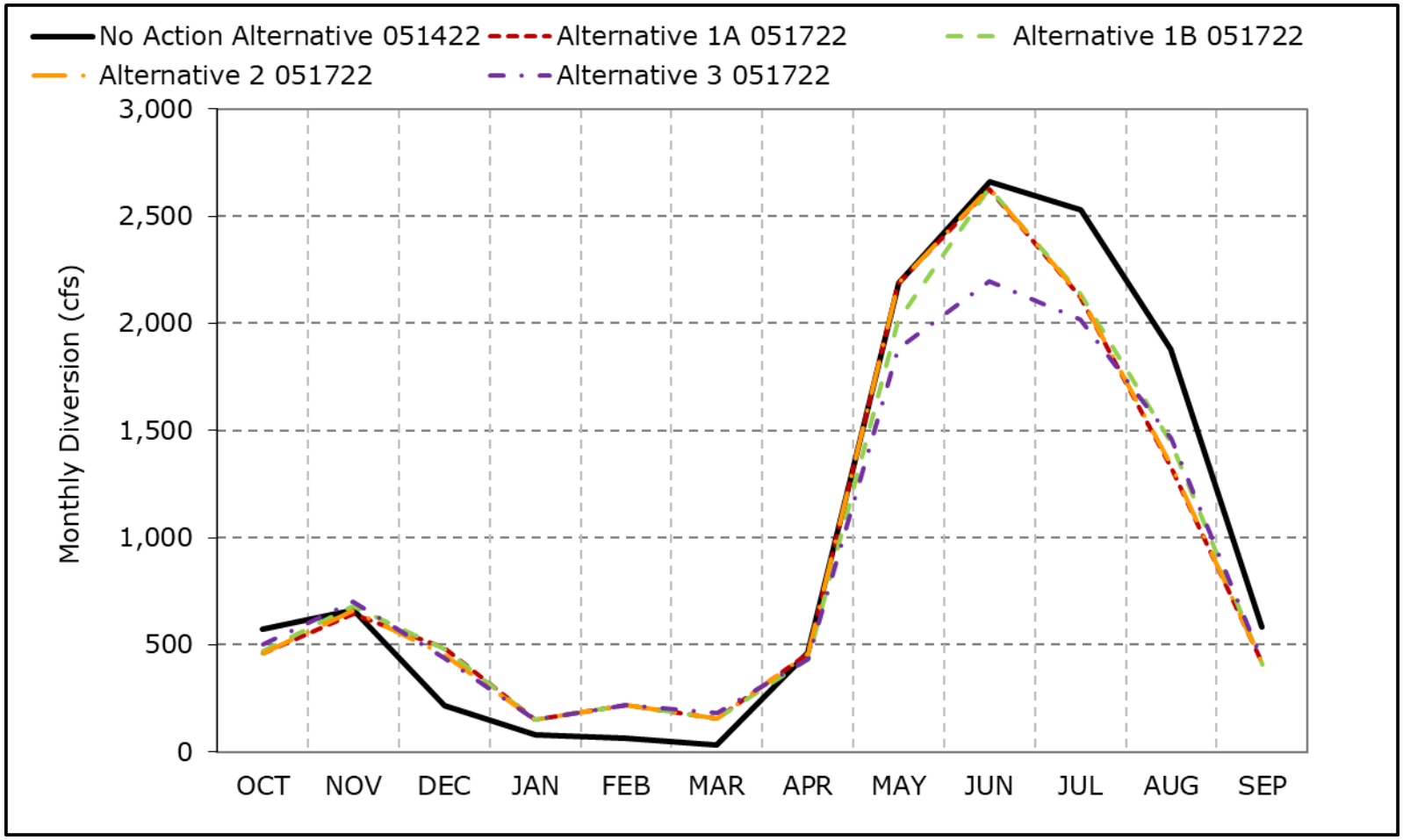
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-4. Hamilton City Diversion - Glenn Colusa Canal, Below Normal Year Average Diversion



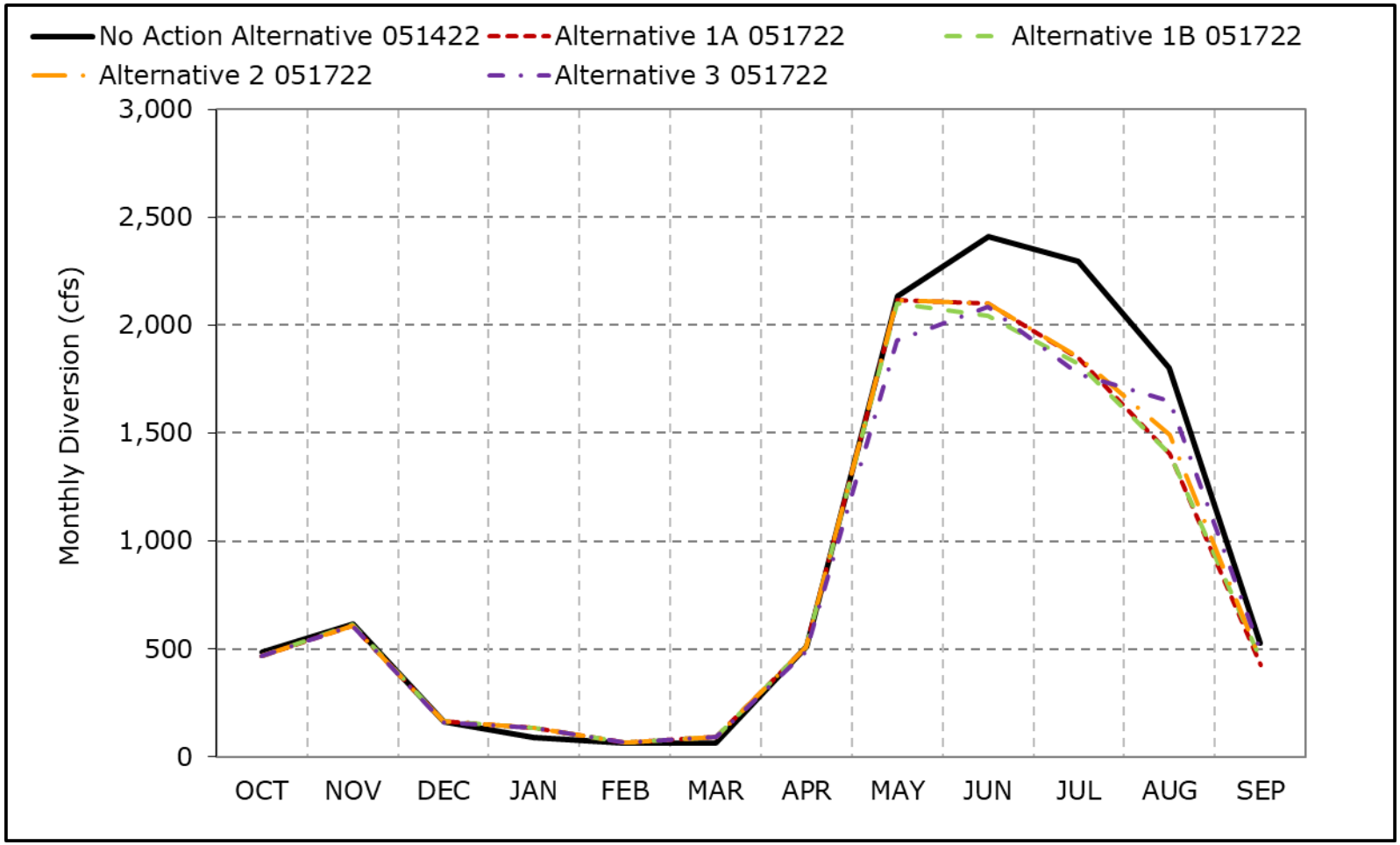
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-5. Hamilton City Diversion - Glenn Colusa Canal, Dry Year Average Diversion



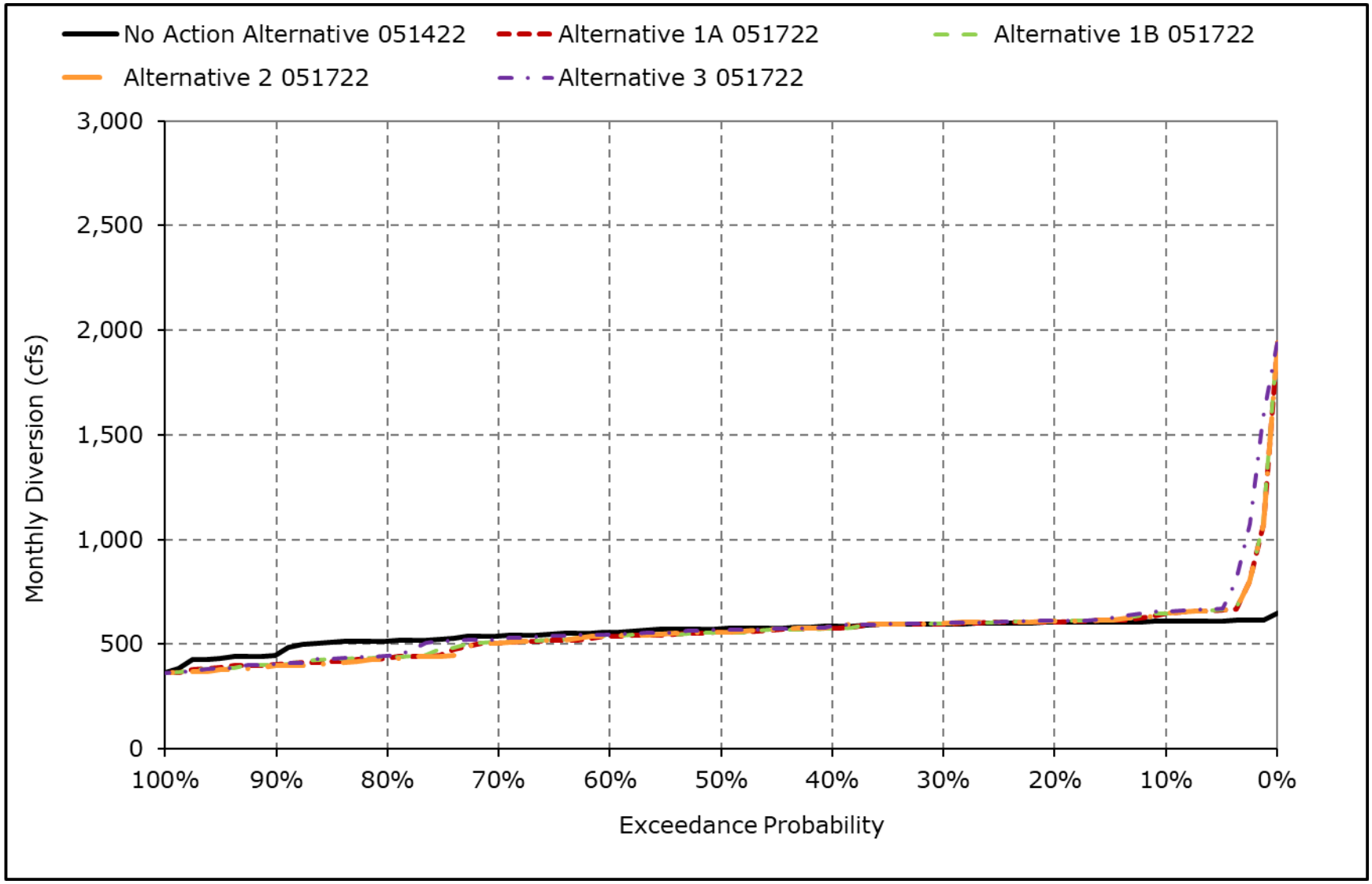
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-6. Hamilton City Diversion - Glenn Colusa Canal, Critical Year Average Diversion



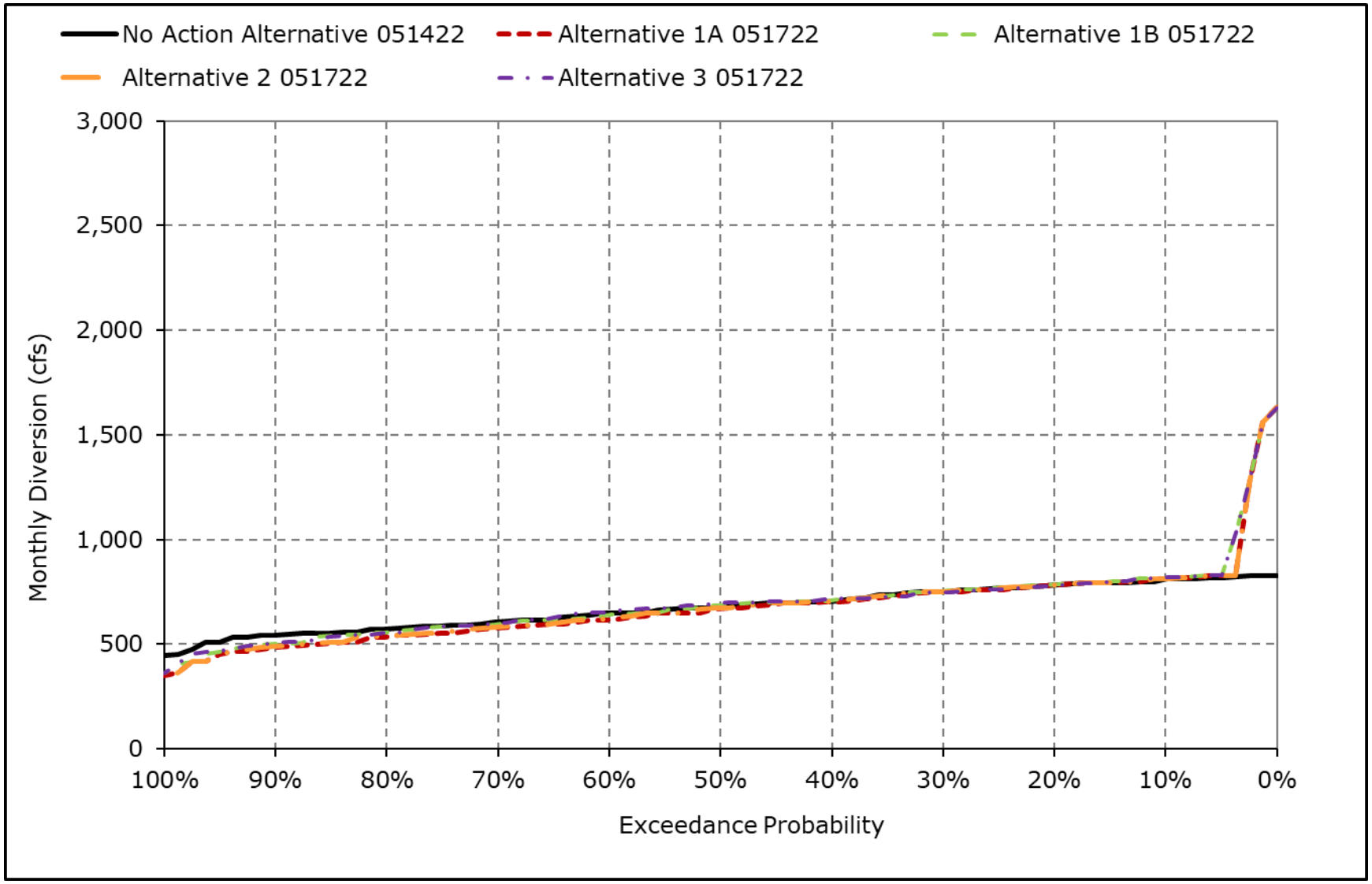
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-7. Hamilton City Diversion - Glenn Colusa Canal, October



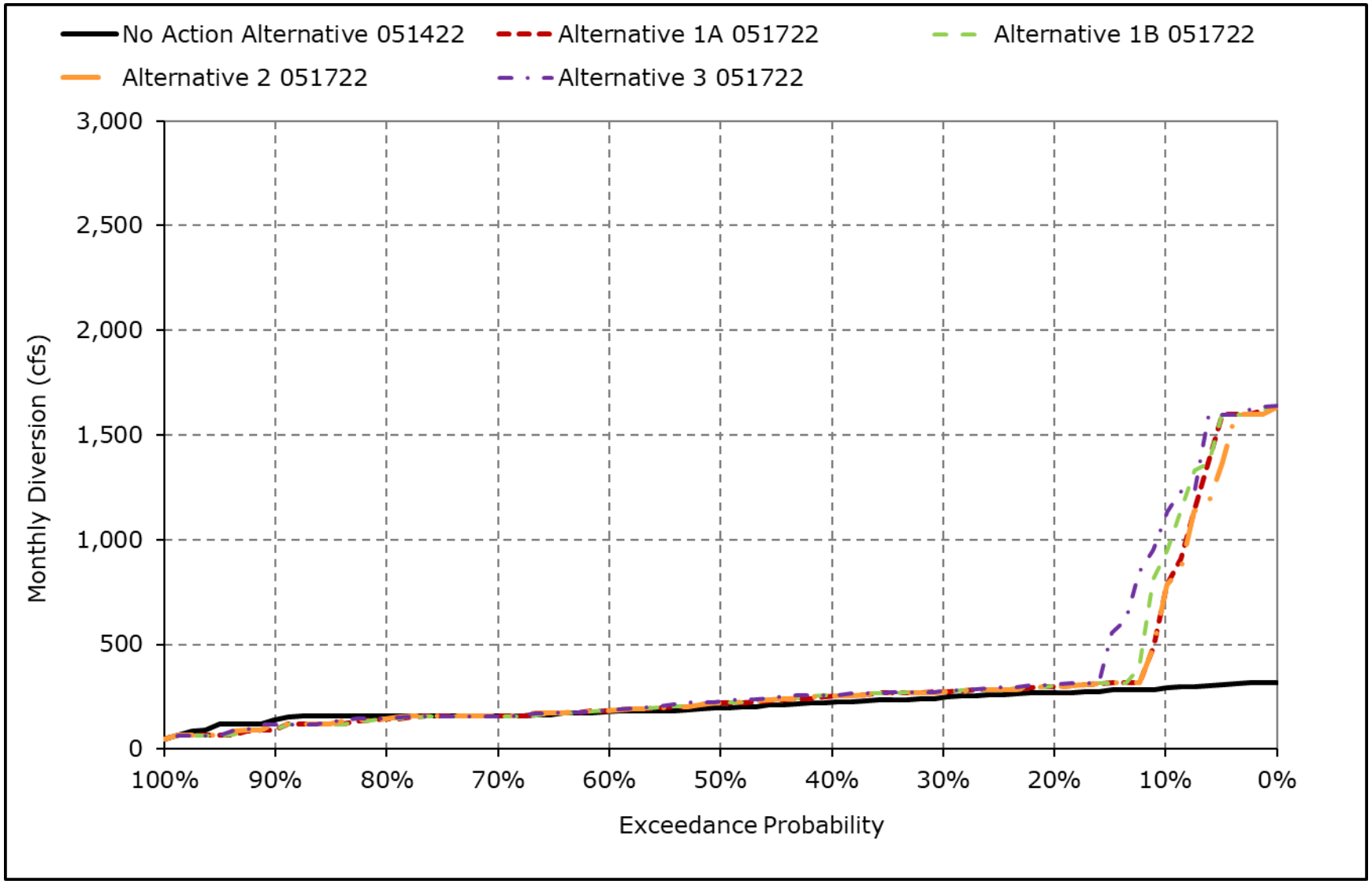
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-8. Hamilton City Diversion - Glenn Colusa Canal, November



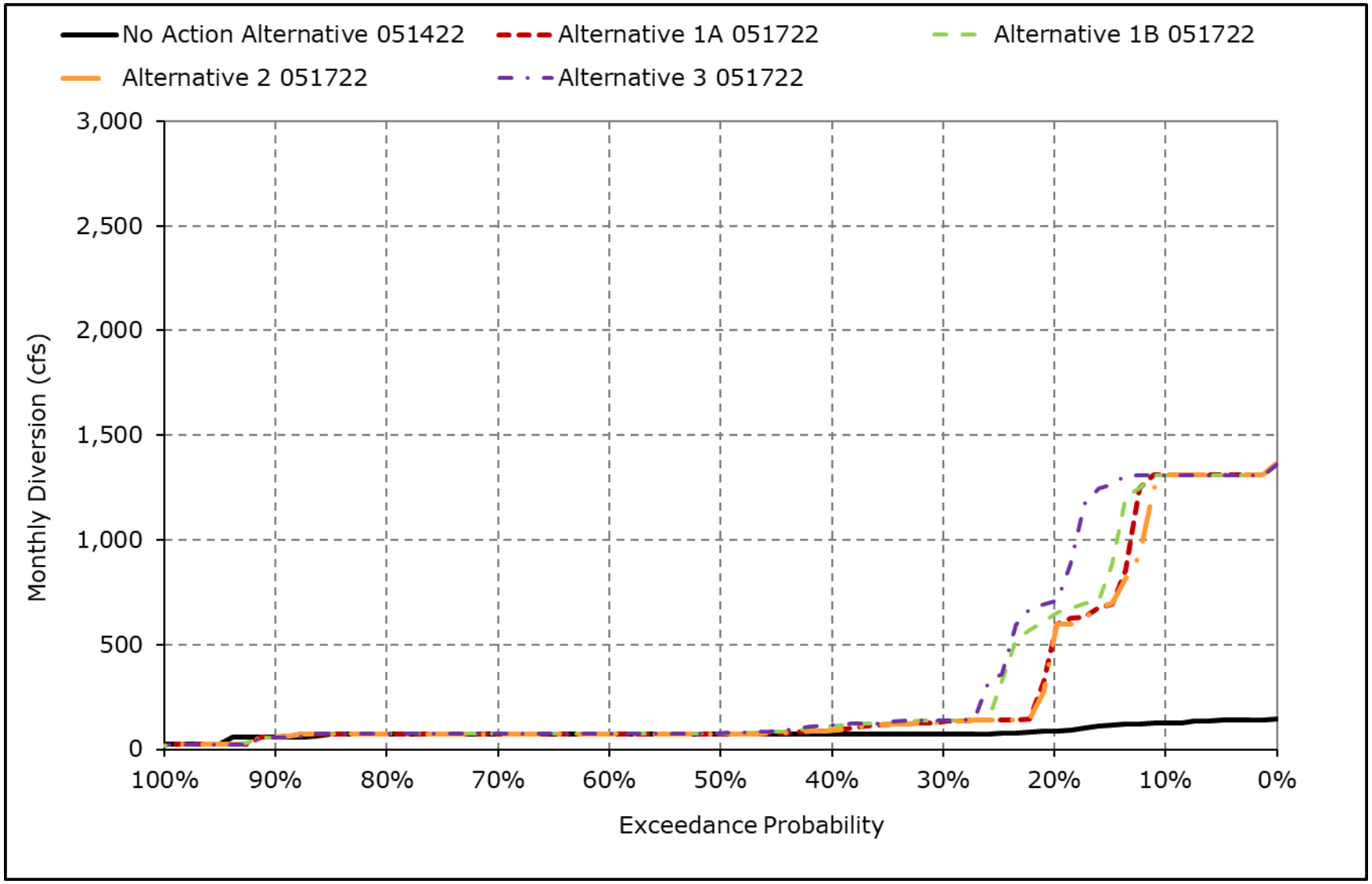
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-9. Hamilton City Diversion - Glenn Colusa Canal, December



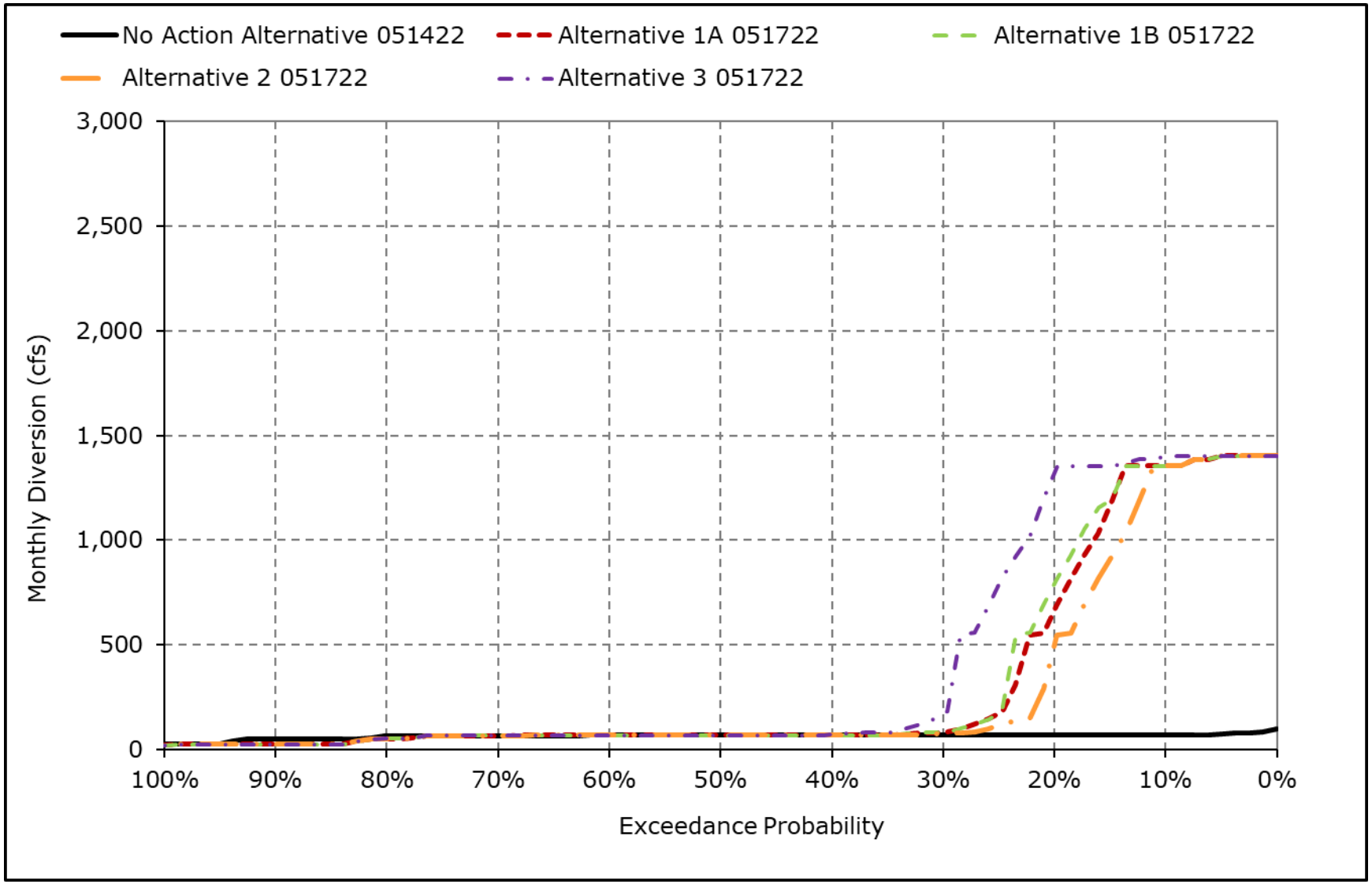
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-10. Hamilton City Diversion - Glenn Colusa Canal, January



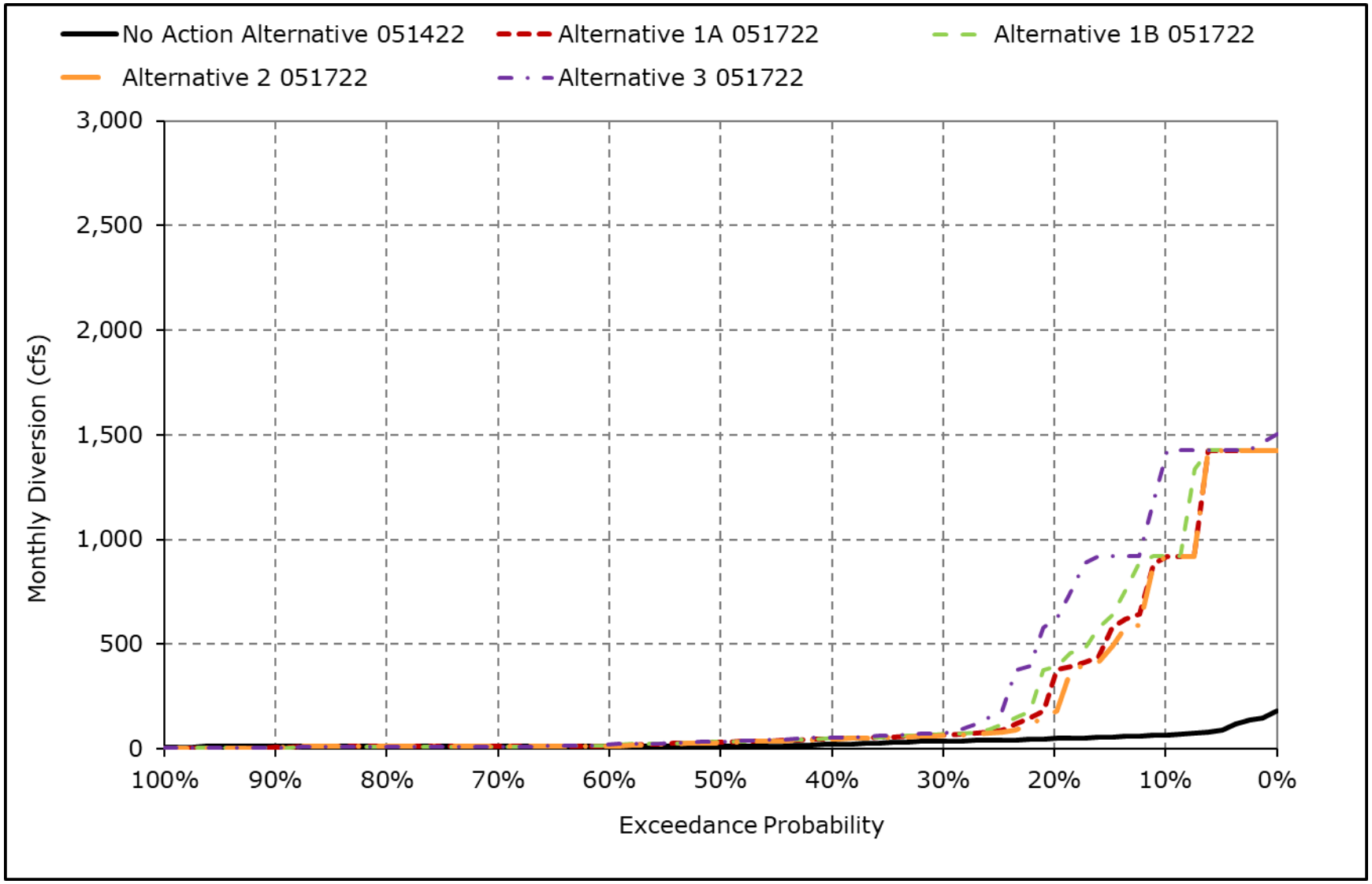
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-11. Hamilton City Diversion - Glenn Colusa Canal, February



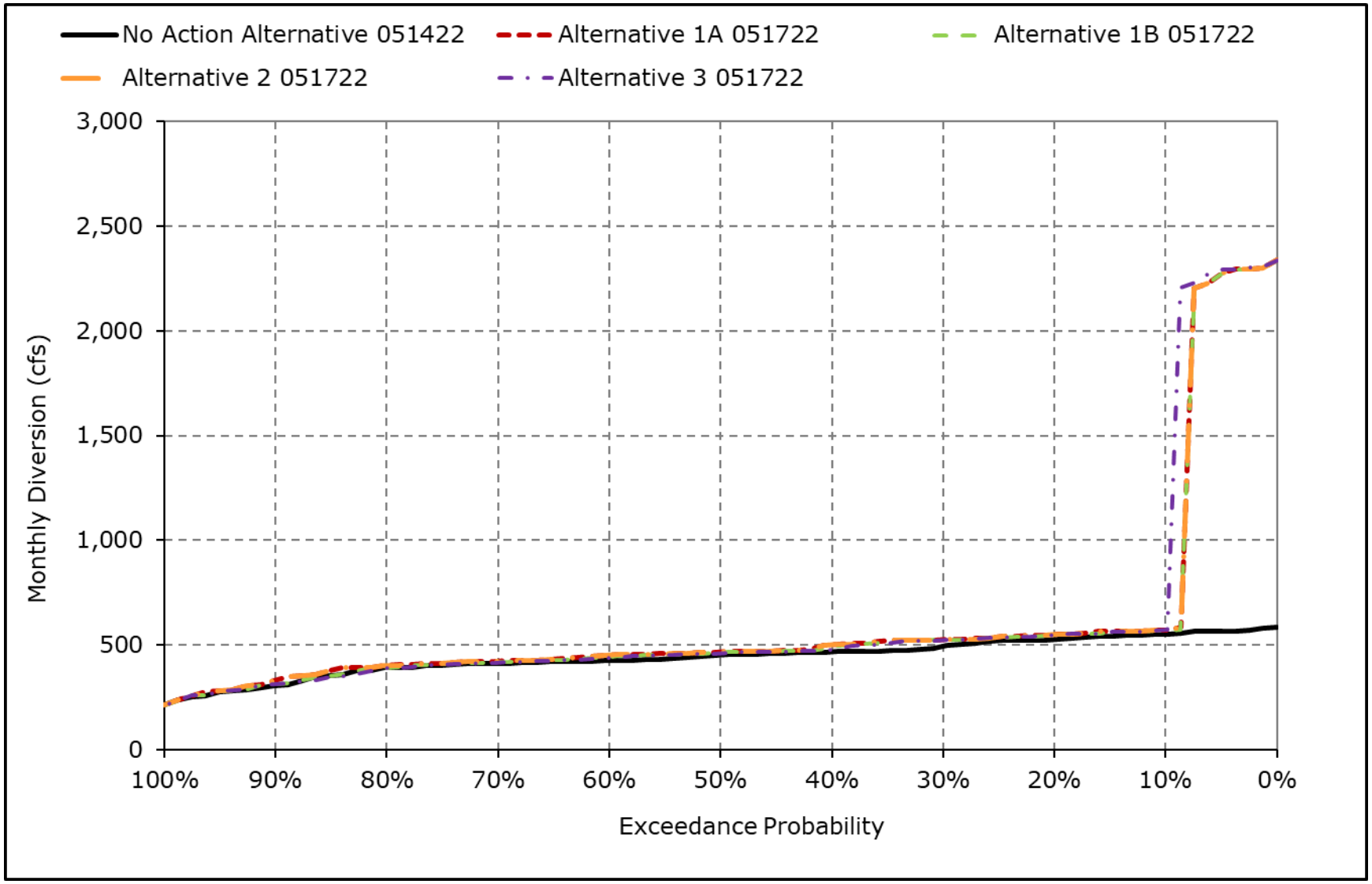
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-12. Hamilton City Diversion - Glenn Colusa Canal, March



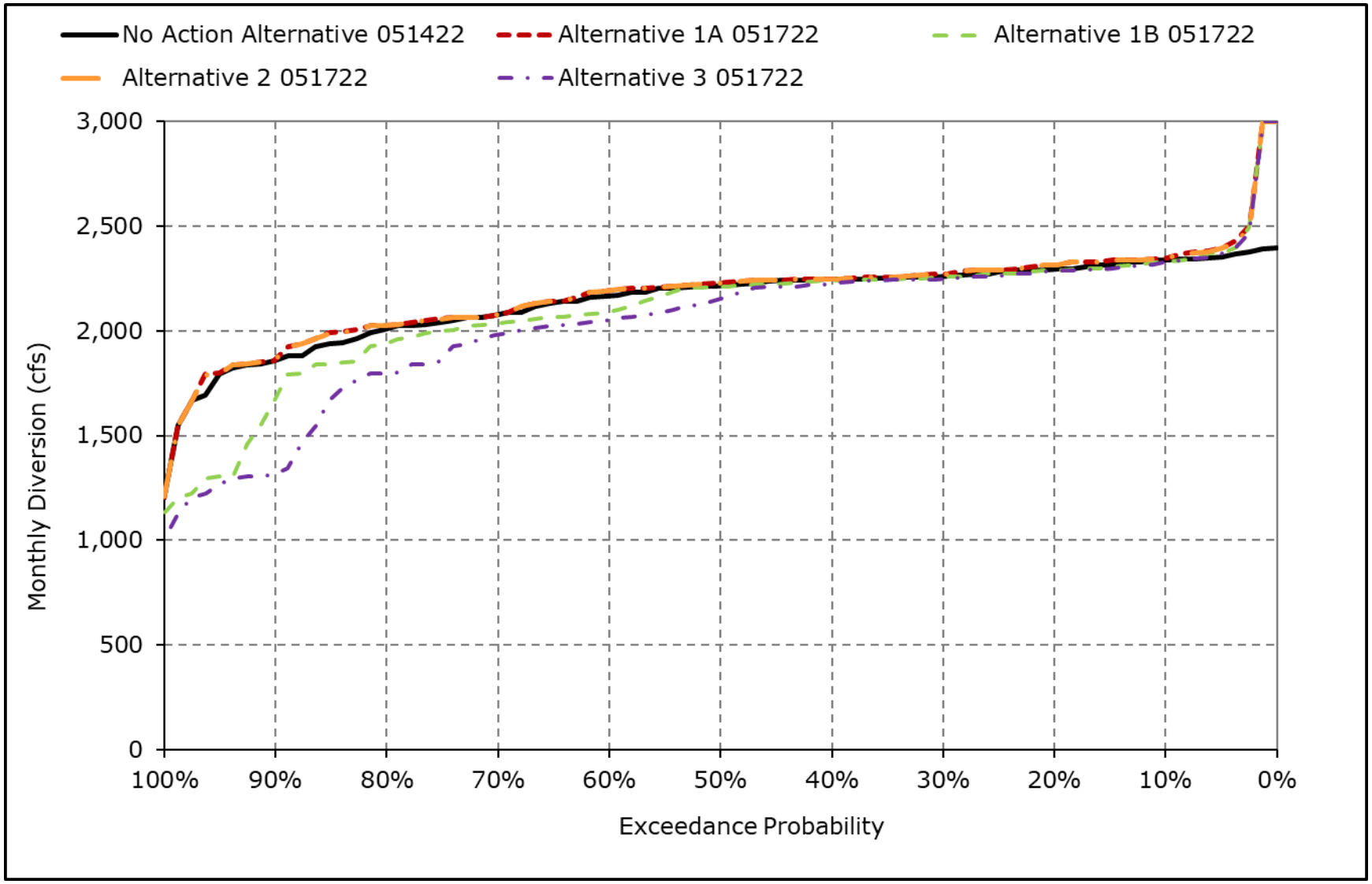
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-13. Hamilton City Diversion - Glenn Colusa Canal, April



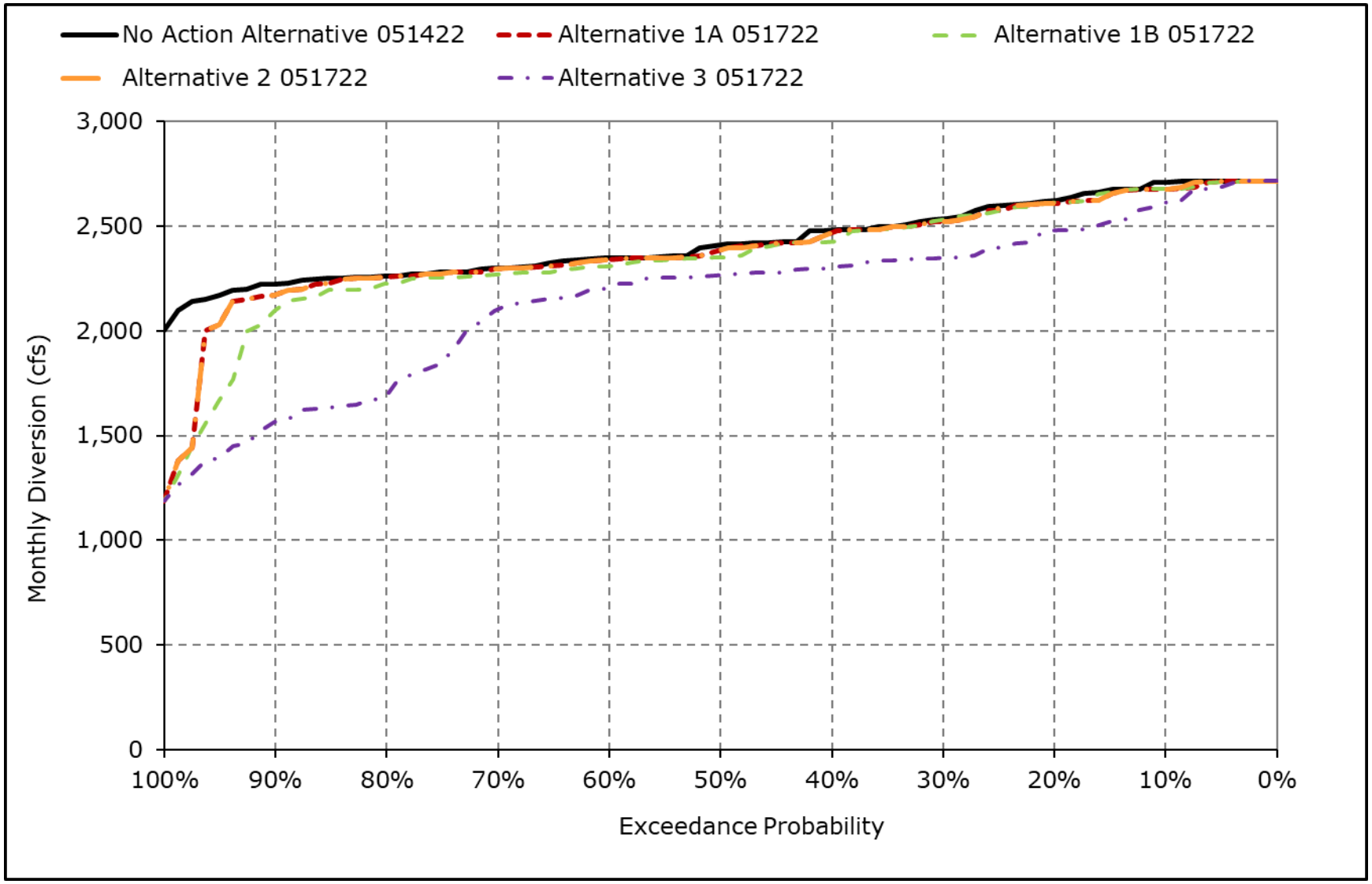
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-14. Hamilton City Diversion - Glenn Colusa Canal, May



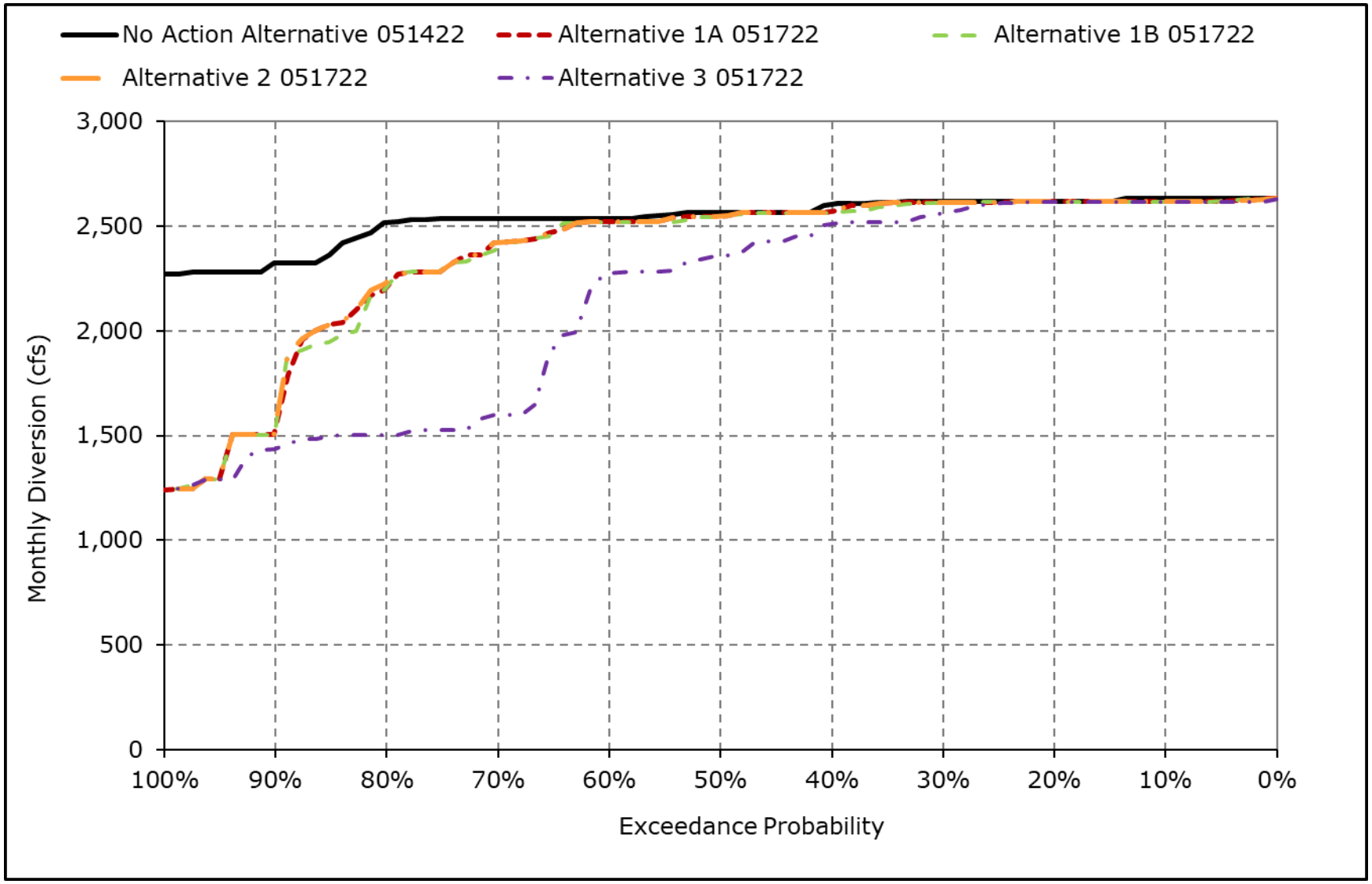
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-15. Hamilton City Diversion - Glenn Colusa Canal, June



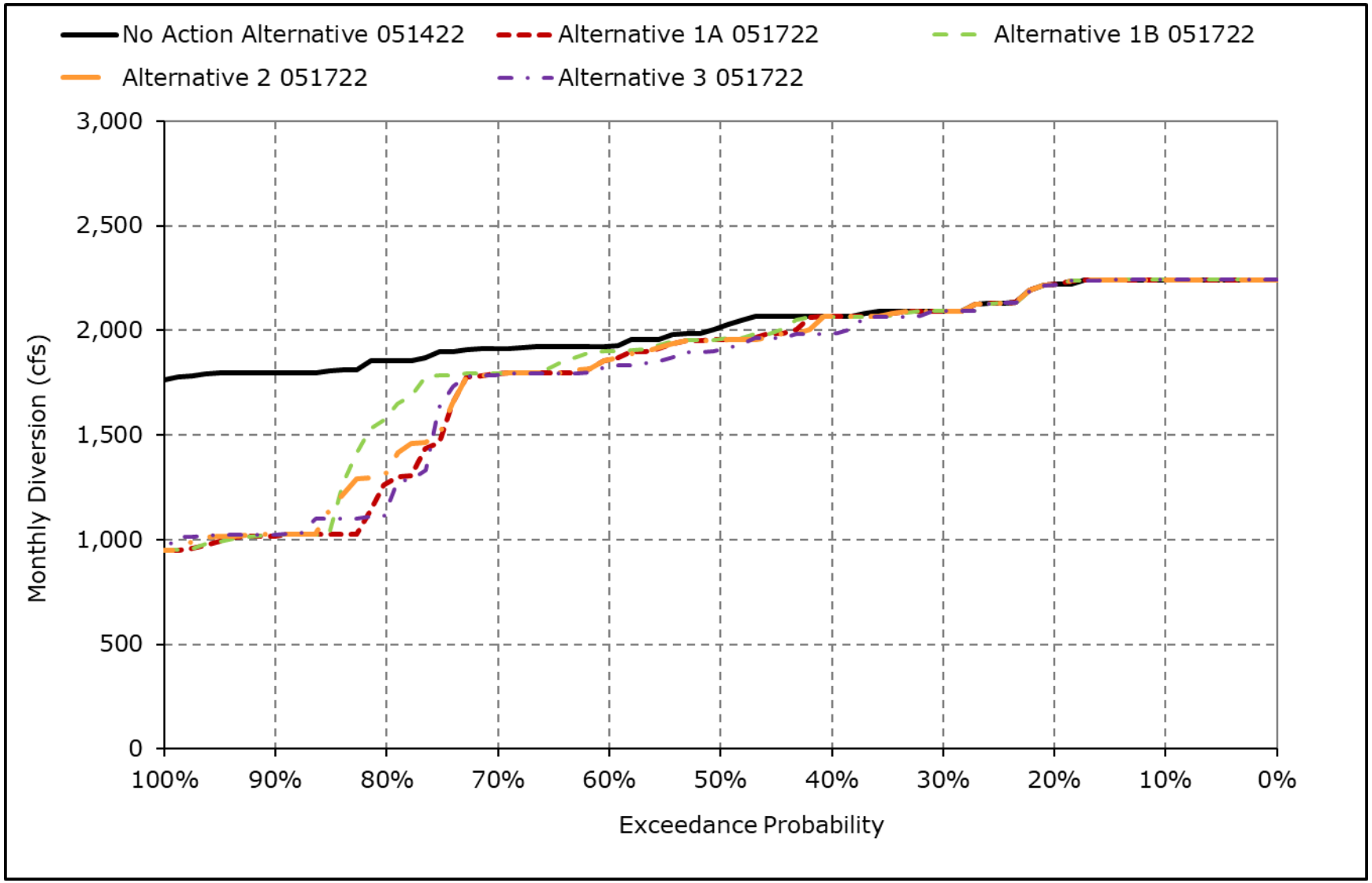
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-16. Hamilton City Diversion - Glenn Colusa Canal, July



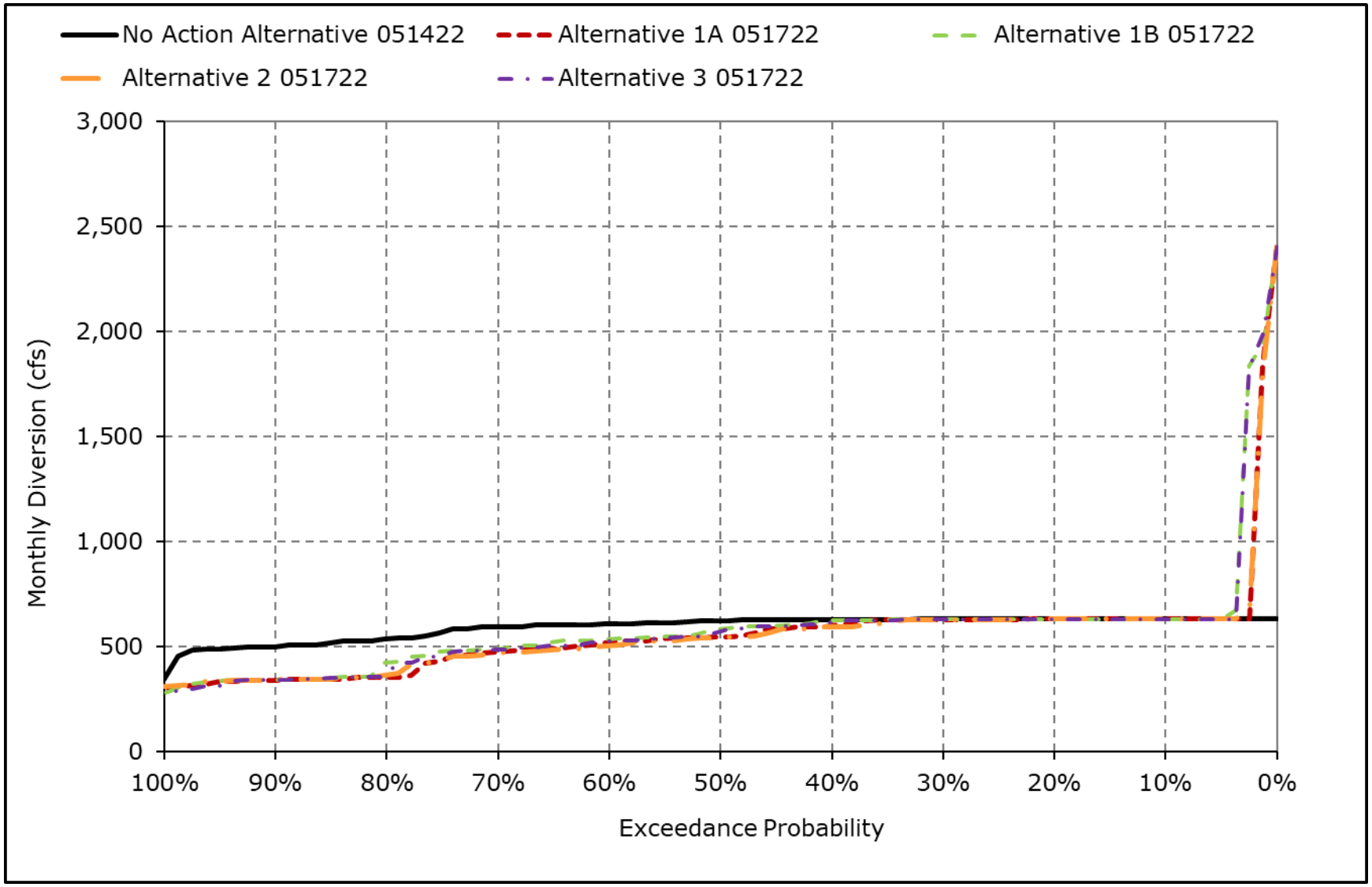
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-17. Hamilton City Diversion - Glenn Colusa Canal, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-2-18. Hamilton City Diversion - Glenn Colusa Canal, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-3-1a. Total Sites Diversions, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-3-1b. Total Sites Diversions, Alternative 1A 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,723	3,312	3,363	2,980	59	78	0	0	0	0
20% Exceedance	0	0	1,716	2,584	2,686	2,369	0	0	0	0	0	0
30% Exceedance	0	0	784	1,047	1,699	841	0	0	0	0	0	0
40% Exceedance	0	0	0	3	697	39	0	0	0	0	0	0
50% Exceedance	0	0	0	0	27	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	36	205	687	834	1,025	797	288	70	8	0	0	33
Wet Water Years (32%)	26	238	429	1,184	1,281	751	642	220	7	0	0	45
Above Normal Water Years (15%)	0	234	792	1,948	1,822	1,664	295	0	37	0	0	0
Below Normal Water Years (17%)	161	333	1,241	588	945	537	241	0	0	0	0	111
Dry Water Years (22%)	0	175	1,015	184	702	861	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	250	237	0	0	0	0	0	0

Table 5B1-3-1c. Total Sites Diversions, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,723	3,312	3,363	2,980	59	78	0	0	0	0
20% Exceedance	0	0	1,716	2,584	2,686	2,369	0	0	0	0	0	0
30% Exceedance	0	0	784	1,047	1,699	841	0	0	0	0	0	0
40% Exceedance	0	0	0	3	697	39	0	0	0	0	0	0
50% Exceedance	0	0	0	0	27	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	36	205	687	834	1,025	797	288	70	8	0	0	33
Wet Water Years (32%)	26	238	429	1,184	1,281	751	642	220	7	0	0	45
Above Normal Water Years (15%)	0	234	792	1,948	1,822	1,664	295	0	37	0	0	0
Below Normal Water Years (17%)	161	333	1,241	588	945	537	241	0	0	0	0	111
Dry Water Years (22%)	0	175	1,015	184	702	861	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	250	237	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-3-2a. Total Sites Diversions, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-3-2b. Total Sites Diversions, Alternative 1B 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,852	3,312	3,363	2,982	59	12	0	0	0	0
20% Exceedance	0	0	1,970	2,699	2,809	2,461	0	0	0	0	0	0
30% Exceedance	0	0	737	1,437	1,847	671	0	0	0	0	0	0
40% Exceedance	0	0	0	9	722	32	0	0	0	0	0	0
50% Exceedance	0	0	0	0	27	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	37	221	709	912	1,053	812	288	68	8	0	0	48
Wet Water Years (32%)	27	289	457	1,402	1,290	817	642	215	7	0	0	90
Above Normal Water Years (15%)	0	234	907	1,997	1,829	1,722	295	0	37	0	0	0
Below Normal Water Years (17%)	166	333	1,267	600	1,079	537	241	0	0	0	0	111
Dry Water Years (22%)	0	175	978	184	704	797	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	223	256	237	0	0	0	0	0	0

Table 5B1-3-2c. Total Sites Diversions, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,852	3,312	3,363	2,982	59	12	0	0	0	0
20% Exceedance	0	0	1,970	2,699	2,809	2,461	0	0	0	0	0	0
30% Exceedance	0	0	737	1,437	1,847	671	0	0	0	0	0	0
40% Exceedance	0	0	0	9	722	32	0	0	0	0	0	0
50% Exceedance	0	0	0	0	27	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	37	221	709	912	1,053	812	288	68	8	0	0	48
Wet Water Years (32%)	27	289	457	1,402	1,290	817	642	215	7	0	0	90
Above Normal Water Years (15%)	0	234	907	1,997	1,829	1,722	295	0	37	0	0	0
Below Normal Water Years (17%)	166	333	1,267	600	1,079	537	241	0	0	0	0	111
Dry Water Years (22%)	0	175	978	184	704	797	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	223	256	237	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-3-3a. Total Sites Diversions, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-3-3b. Total Sites Diversions, Alternative 2 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,723	3,307	3,363	2,980	55	73	0	0	0	0
20% Exceedance	0	0	1,840	2,548	2,530	2,036	0	0	0	0	0	0
30% Exceedance	0	0	766	1,042	1,425	555	0	0	0	0	0	0
40% Exceedance	0	0	0	0	617	27	0	0	0	0	0	0
50% Exceedance	0	0	0	0	9	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	36	204	686	832	957	750	288	69	8	0	0	33
Wet Water Years (32%)	26	235	420	1,160	1,066	610	641	218	7	0	0	45
Above Normal Water Years (15%)	0	234	849	1,942	1,819	1,653	295	0	37	0	0	0
Below Normal Water Years (17%)	161	333	1,241	630	942	533	241	0	0	0	0	111
Dry Water Years (22%)	0	175	988	184	703	861	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	255	237	0	0	0	0	0	0

Table 5B1-3-3c. Total Sites Diversions, Alternative 2 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	484	2,723	3,307	3,363	2,980	55	73	0	0	0	0
20% Exceedance	0	0	1,840	2,548	2,530	2,036	0	0	0	0	0	0
30% Exceedance	0	0	766	1,042	1,425	555	0	0	0	0	0	0
40% Exceedance	0	0	0	0	617	27	0	0	0	0	0	0
50% Exceedance	0	0	0	0	9	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	36	204	686	832	957	750	288	69	8	0	0	33
Wet Water Years (32%)	26	235	420	1,160	1,066	610	641	218	7	0	0	45
Above Normal Water Years (15%)	0	234	849	1,942	1,819	1,653	295	0	37	0	0	0
Below Normal Water Years (17%)	161	333	1,241	630	942	533	241	0	0	0	0	111
Dry Water Years (22%)	0	175	988	184	703	861	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	255	237	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-3-4a. Total Sites Diversions, No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-3-4b. Total Sites Diversions, Alternative 3 051722, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	583	3,049	3,312	3,408	3,455	59	26	0	0	0	0
20% Exceedance	0	0	1,984	2,759	3,331	2,619	0	0	0	0	0	0
30% Exceedance	0	0	805	1,821	2,220	1,516	0	0	0	0	0	0
40% Exceedance	0	0	0	7	1,151	336	0	0	0	0	0	0
50% Exceedance	0	0	0	0	439	8	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	51	226	748	965	1,238	957	322	67	8	0	0	47
Wet Water Years (32%)	27	291	413	1,488	1,755	1,033	748	213	6	0	0	90
Above Normal Water Years (15%)	80	234	1,234	2,045	2,109	1,765	295	0	38	0	0	0
Below Normal Water Years (17%)	177	359	1,315	709	1,065	782	241	0	0	0	0	111
Dry Water Years (22%)	0	175	967	184	705	921	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	249	237	0	0	0	0	0	0

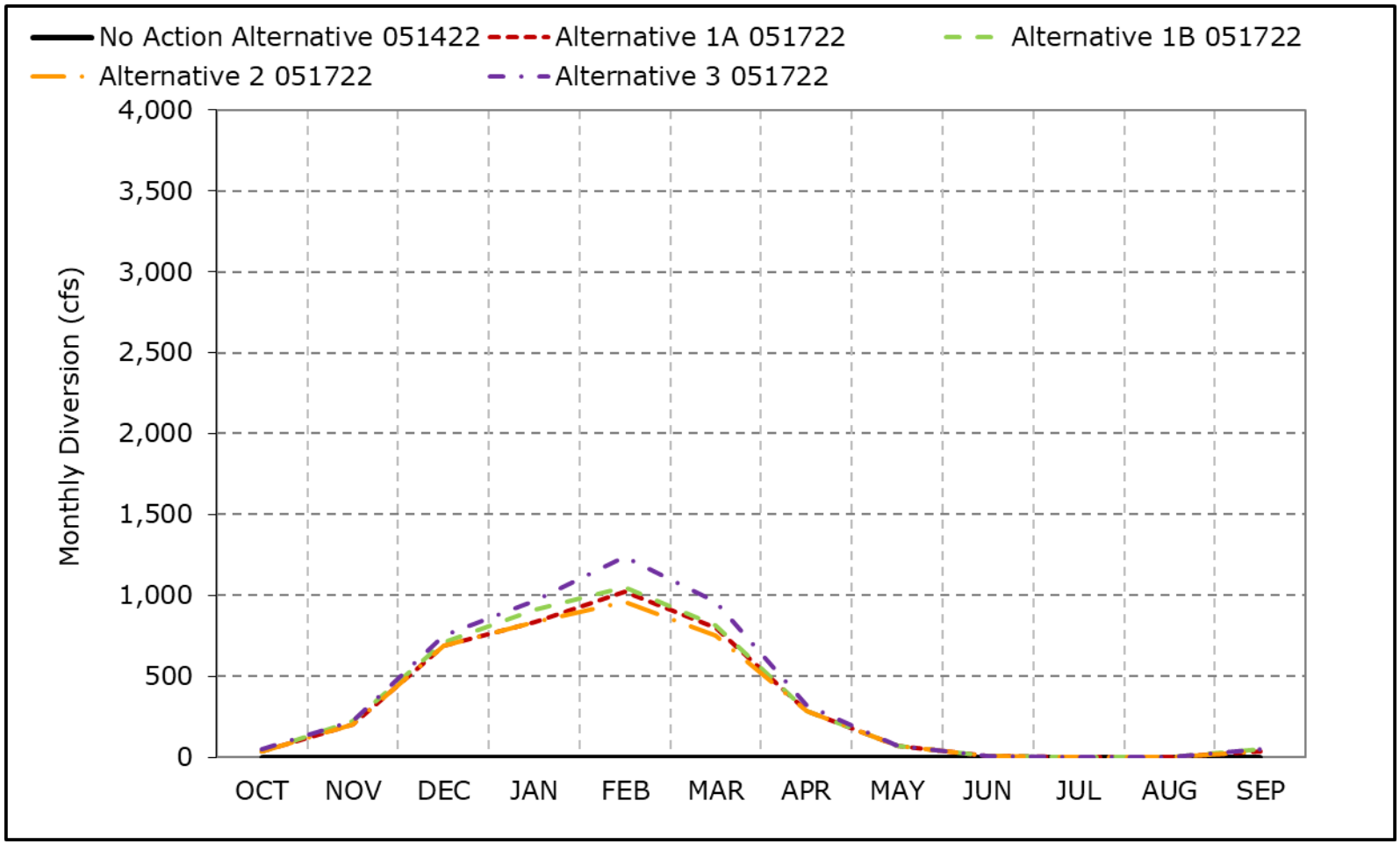
Table 5B1-3-4c. Total Sites Diversions, Alternative 3 051722 minus No Action Alternative 051422, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	583	3,049	3,312	3,408	3,455	59	26	0	0	0	0
20% Exceedance	0	0	1,984	2,759	3,331	2,619	0	0	0	0	0	0
30% Exceedance	0	0	805	1,821	2,220	1,516	0	0	0	0	0	0
40% Exceedance	0	0	0	7	1,151	336	0	0	0	0	0	0
50% Exceedance	0	0	0	0	439	8	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	51	226	748	965	1,238	957	322	67	8	0	0	47
Wet Water Years (32%)	27	291	413	1,488	1,755	1,033	748	213	6	0	0	90
Above Normal Water Years (15%)	80	234	1,234	2,045	2,109	1,765	295	0	38	0	0	0
Below Normal Water Years (17%)	177	359	1,315	709	1,065	782	241	0	0	0	0	111
Dry Water Years (22%)	0	175	967	184	705	921	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	222	249	237	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

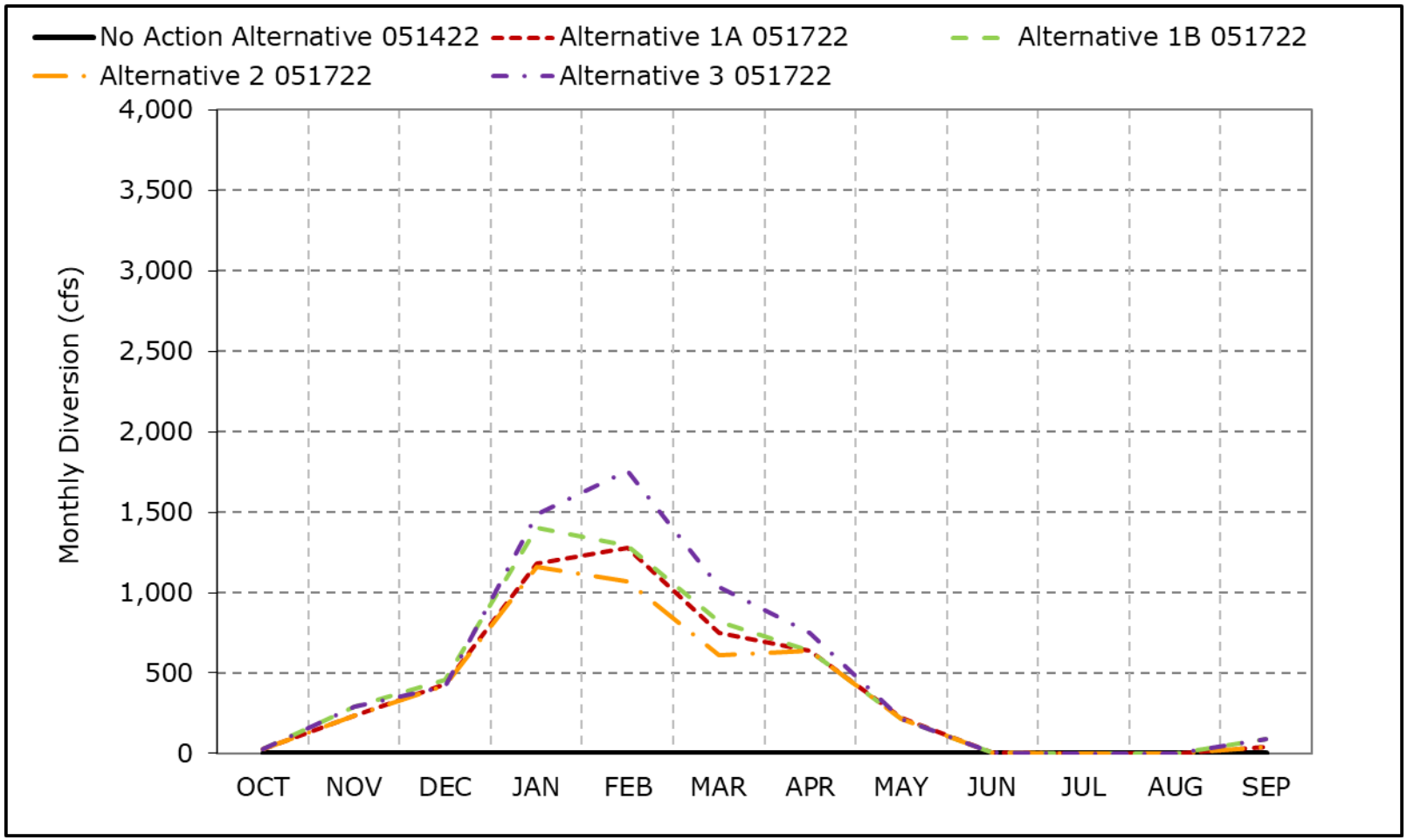
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-3-1. Total Sites Diversions, Long-Term Average Diversion



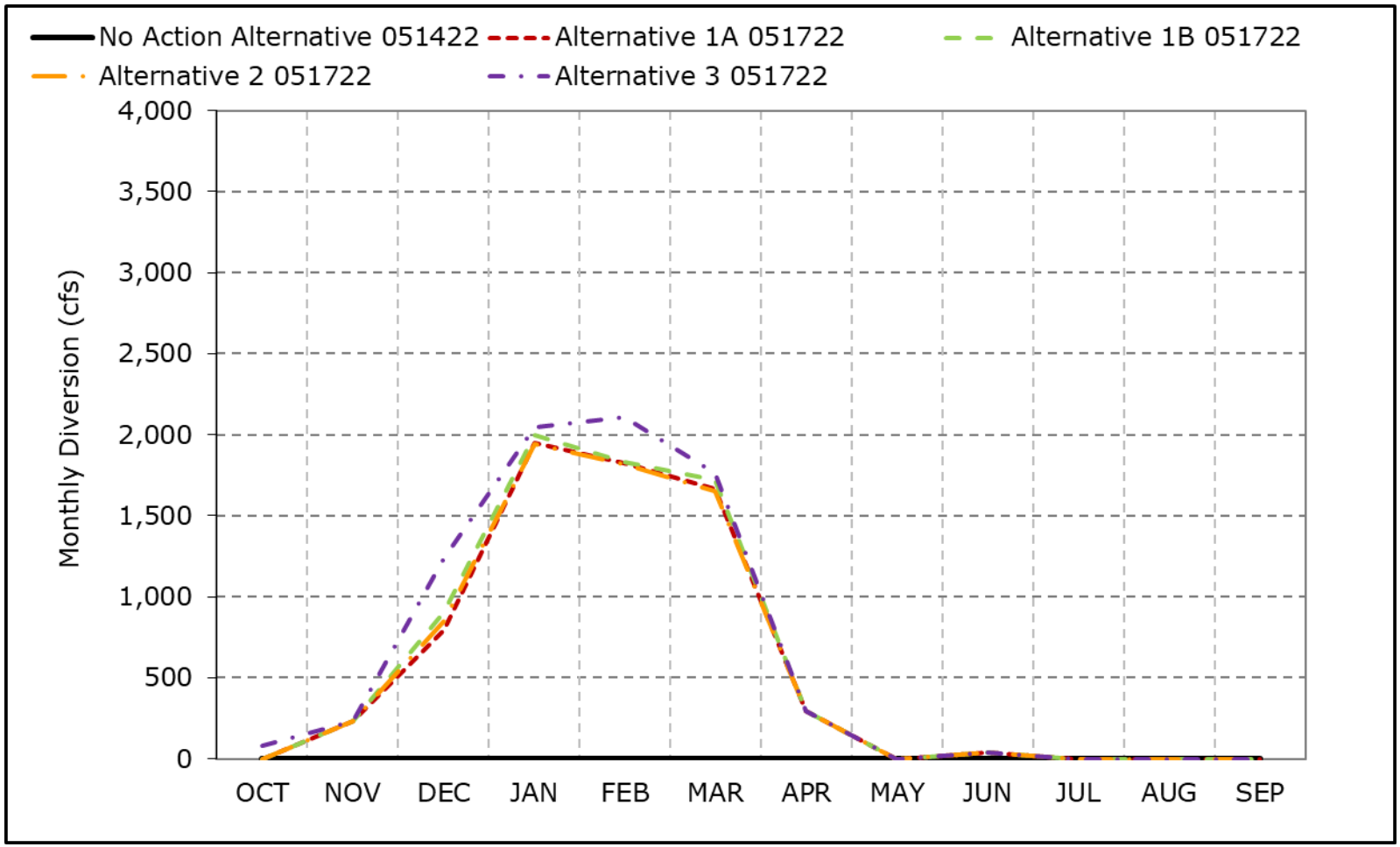
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-2. Total Sites Diversions, Wet Year Average Diversion



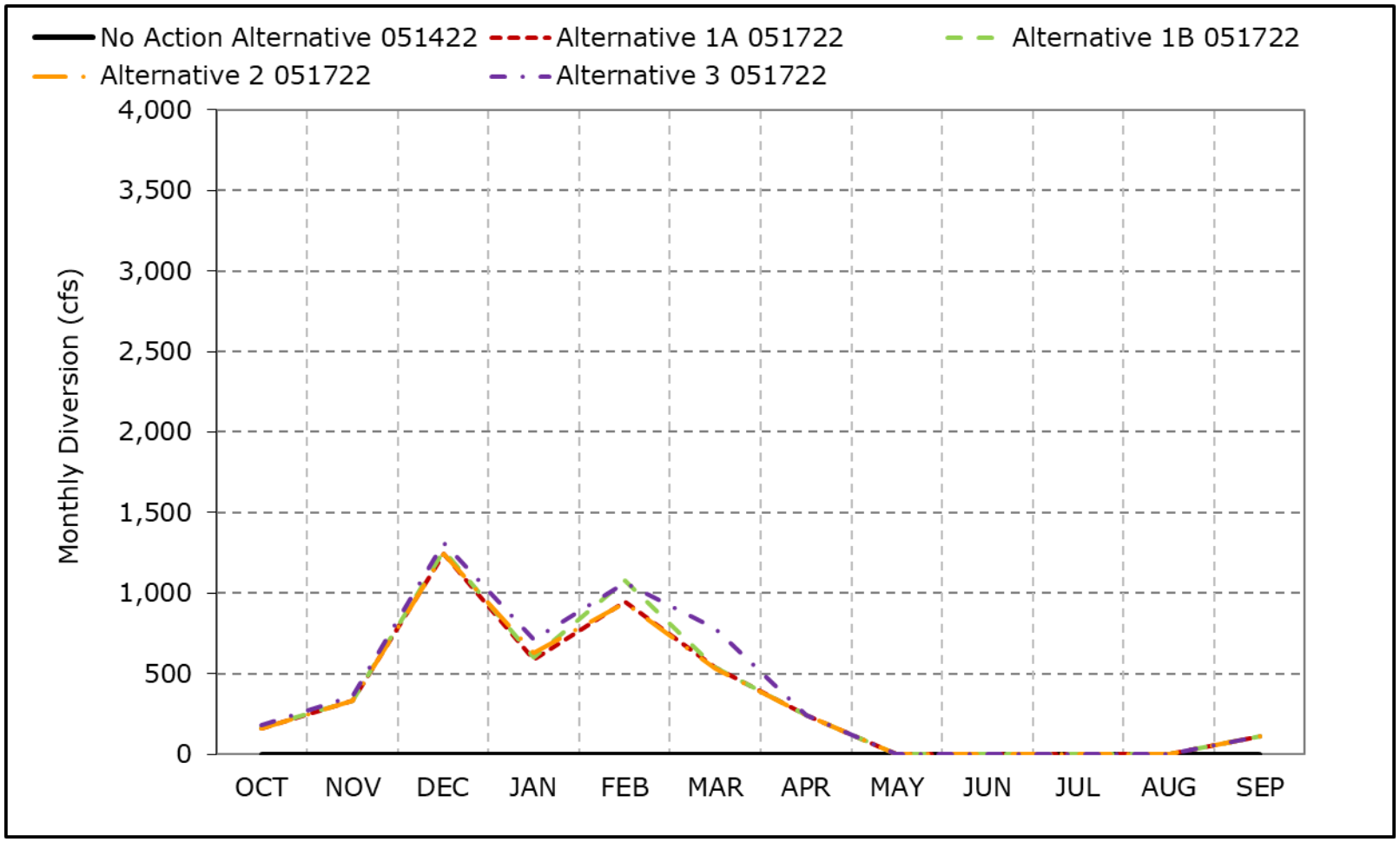
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-3. Total Sites Diversions, Above Normal Year Average Diversion



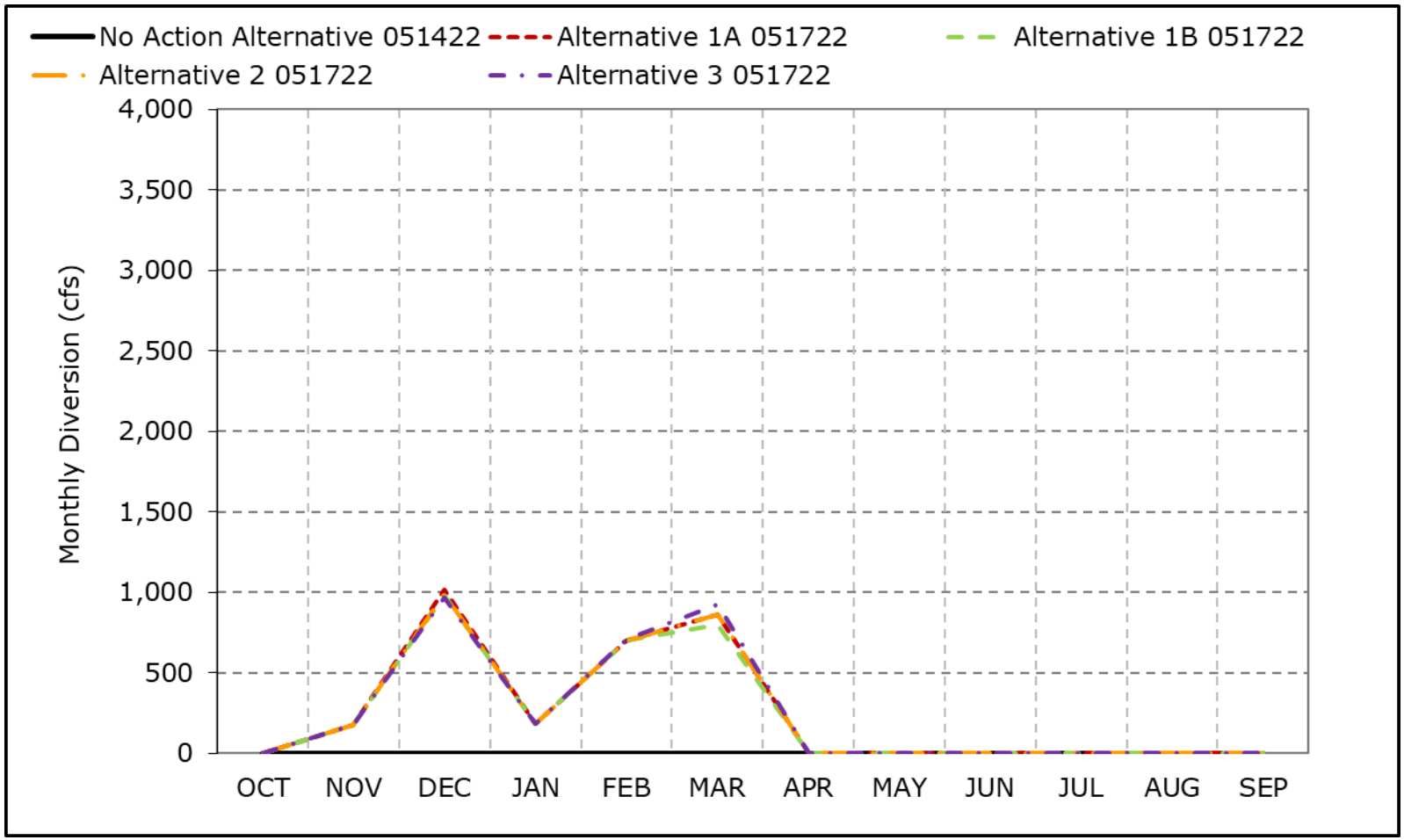
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-4. Total Sites Diversions, Below Normal Year Average Diversion



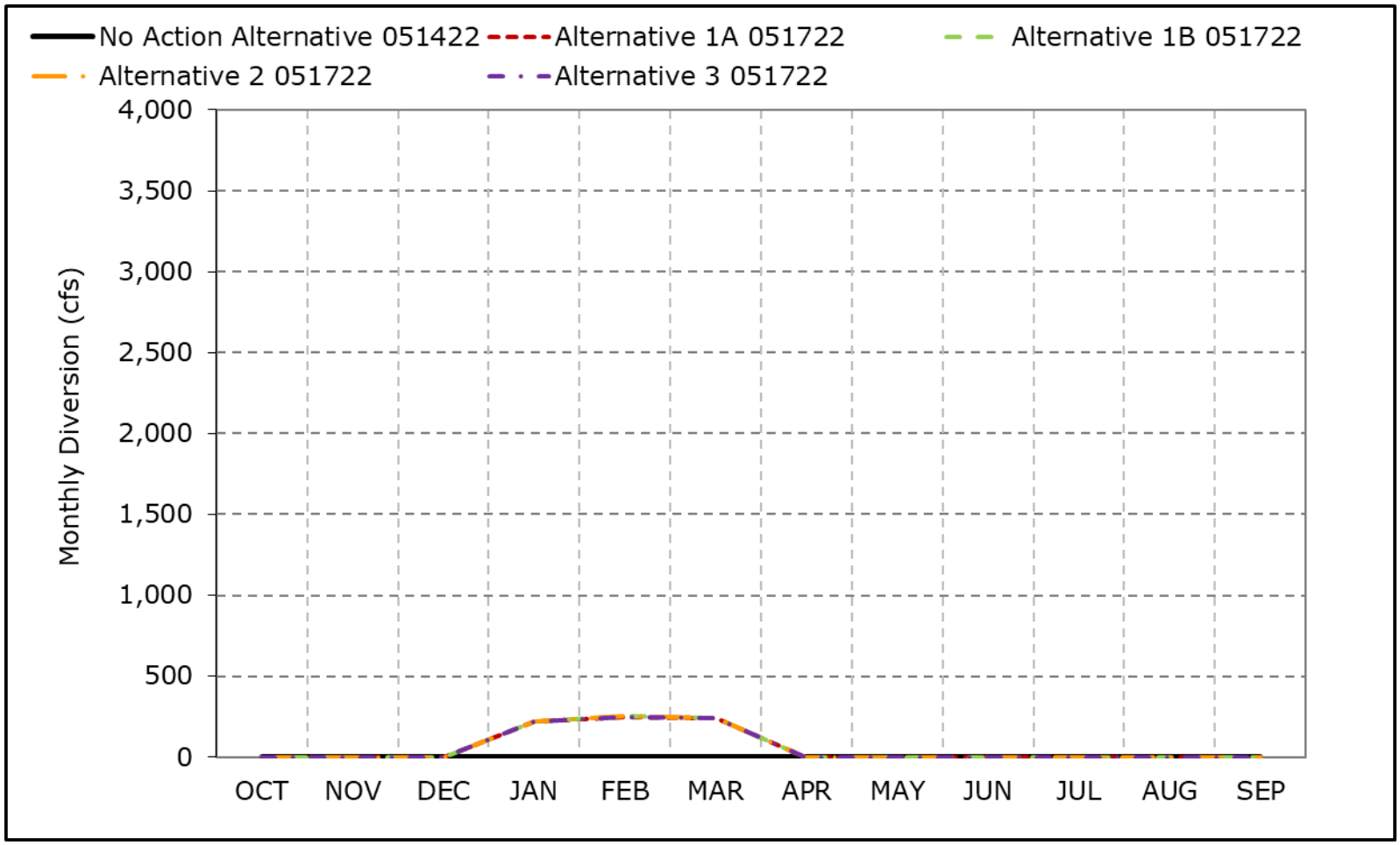
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-5. Total Sites Diversions, Dry Year Average Diversion



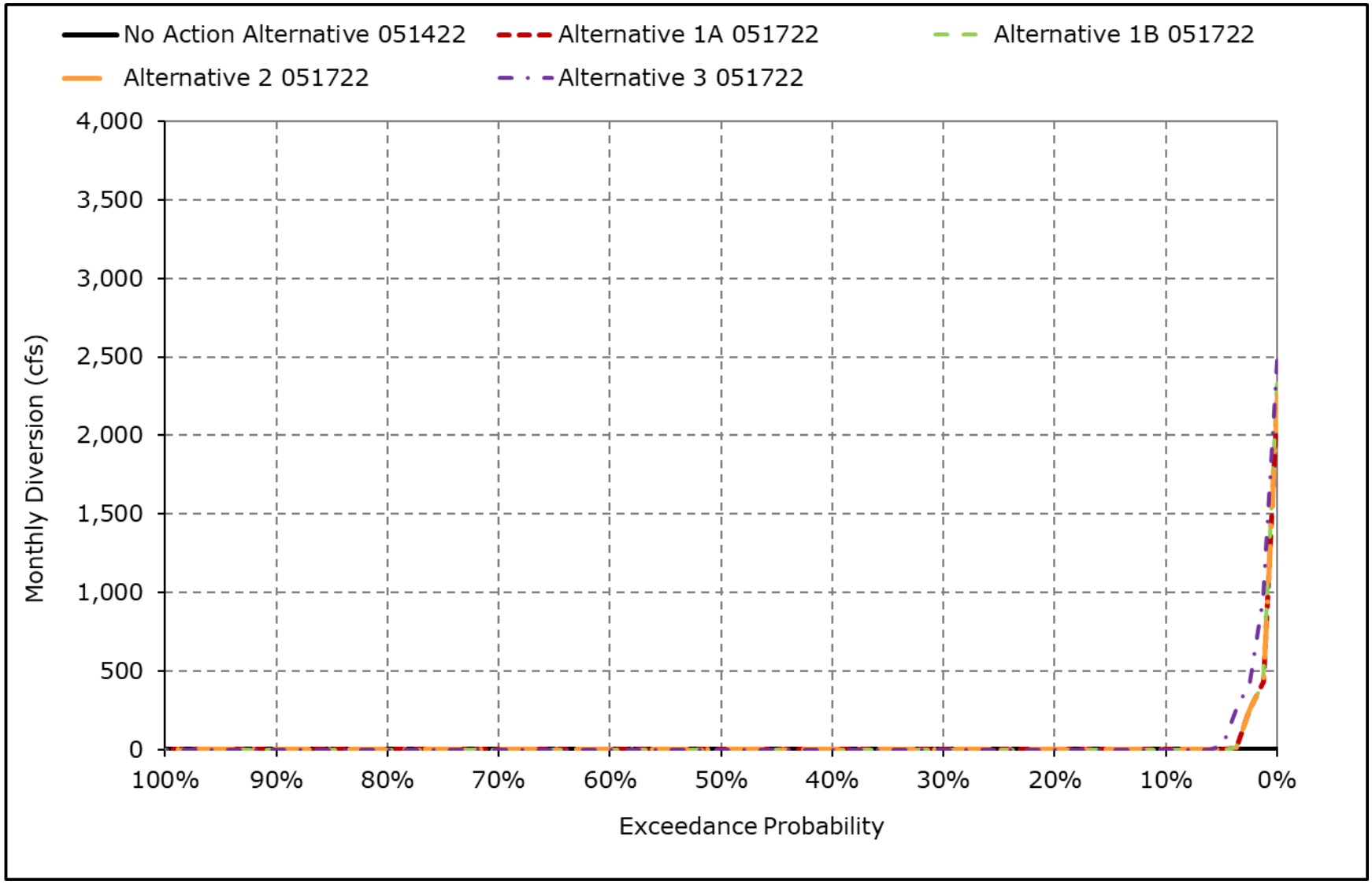
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-6. Total Sites Diversions, Critical Year Average Diversion



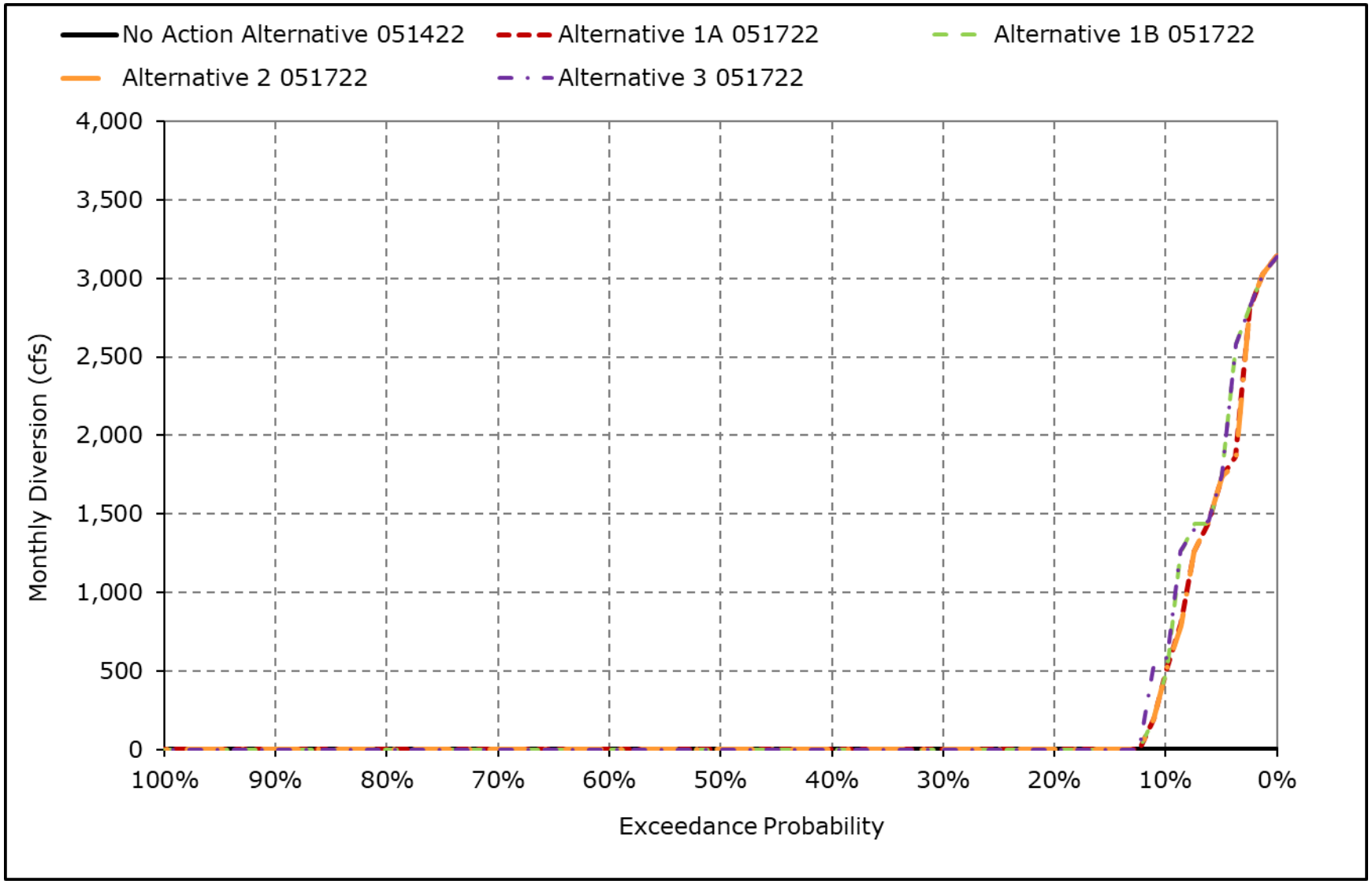
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-7. Total Sites Diversions, October



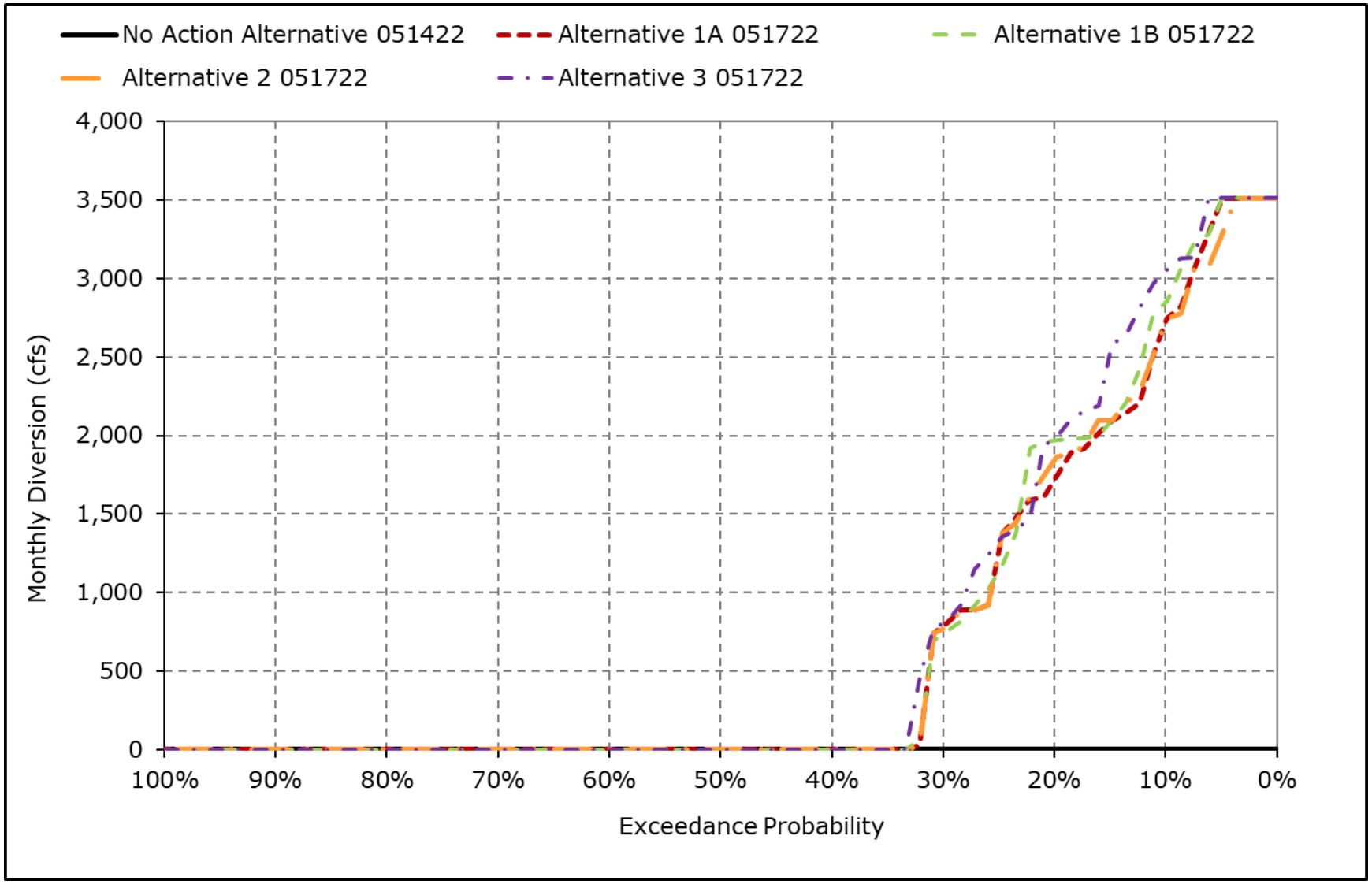
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-8. Total Sites Diversions, November



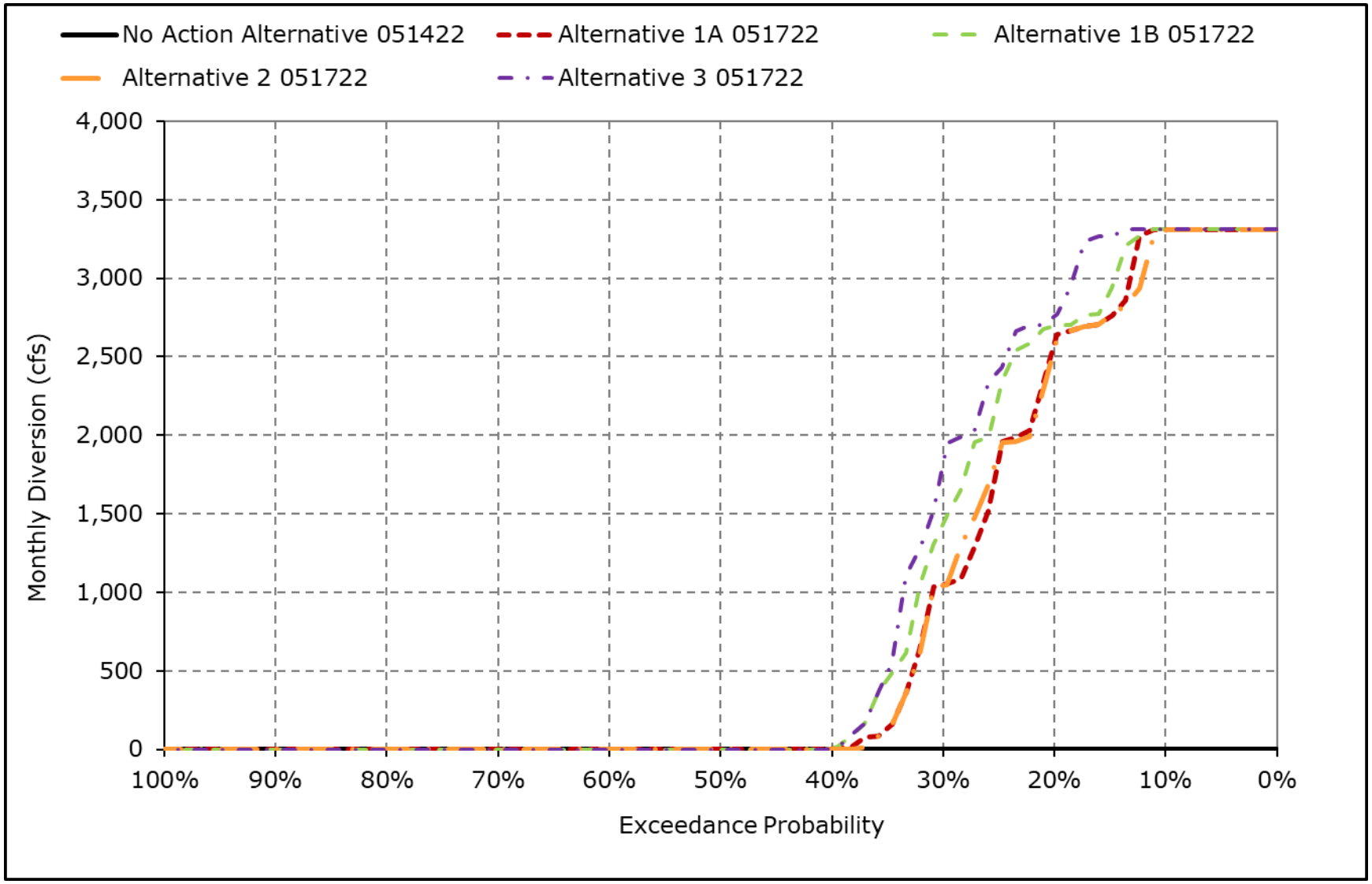
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-9. Total Sites Diversions, December



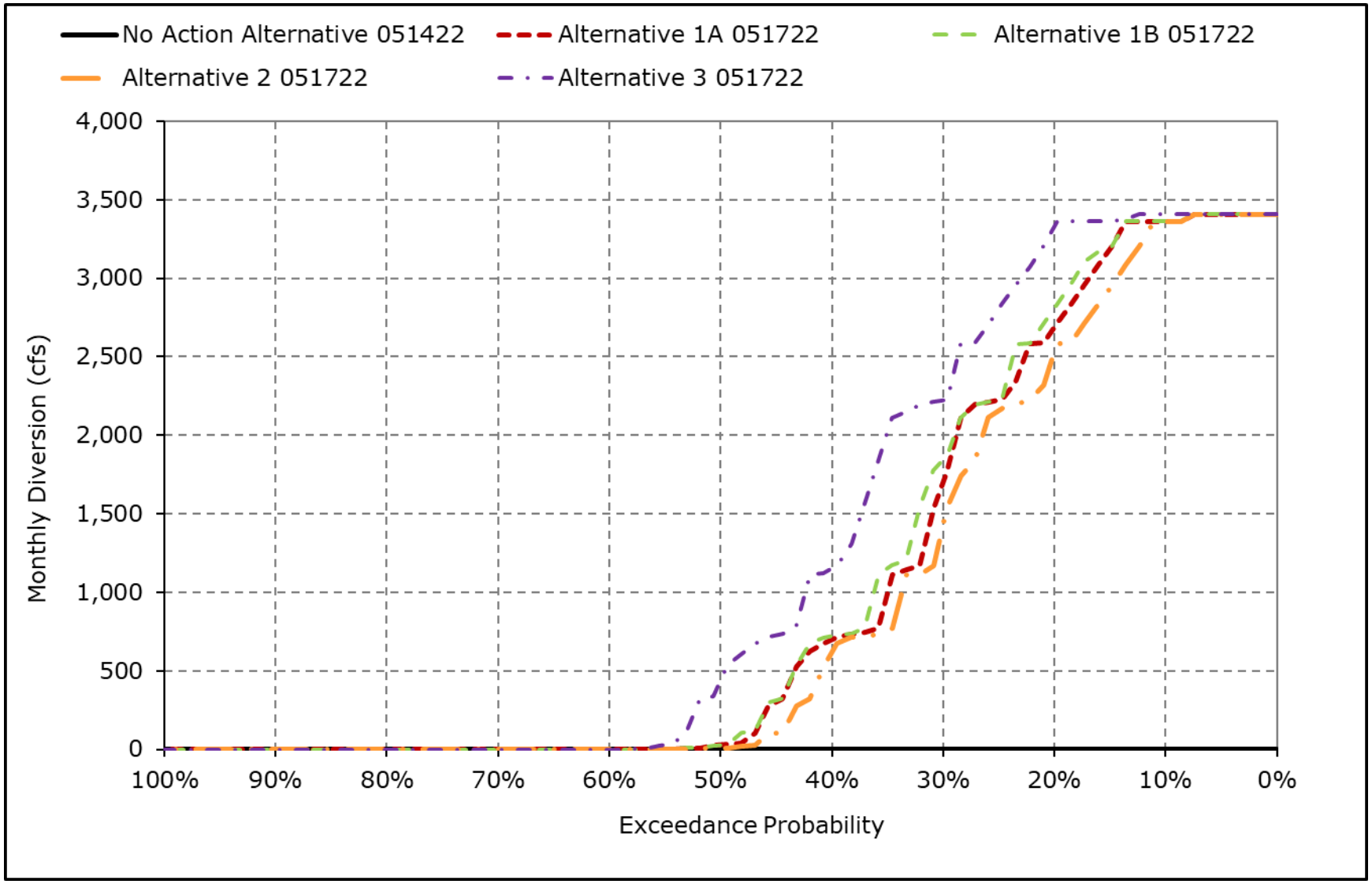
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-10. Total Sites Diversions, January



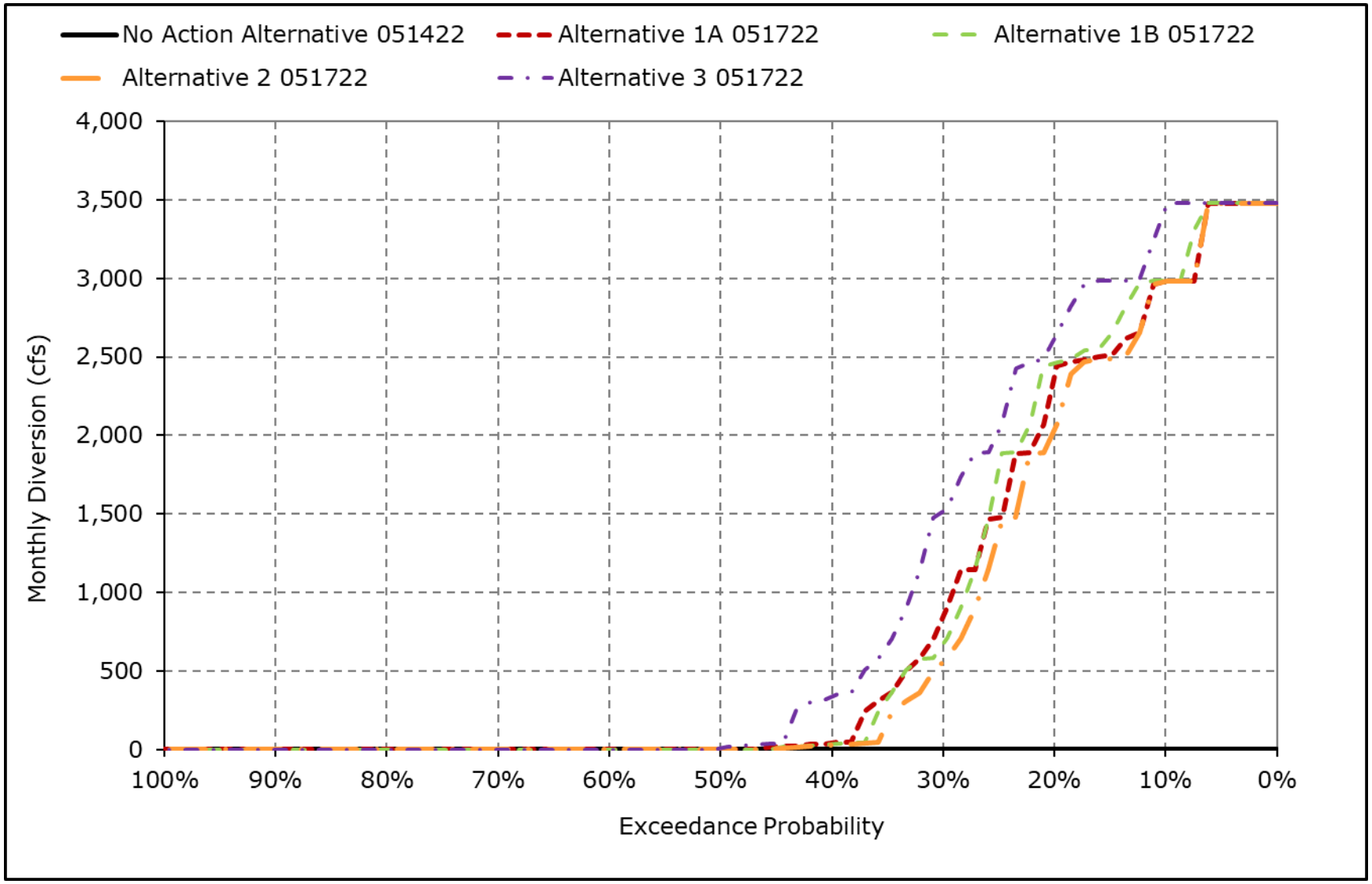
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-11. Total Sites Diversions, February



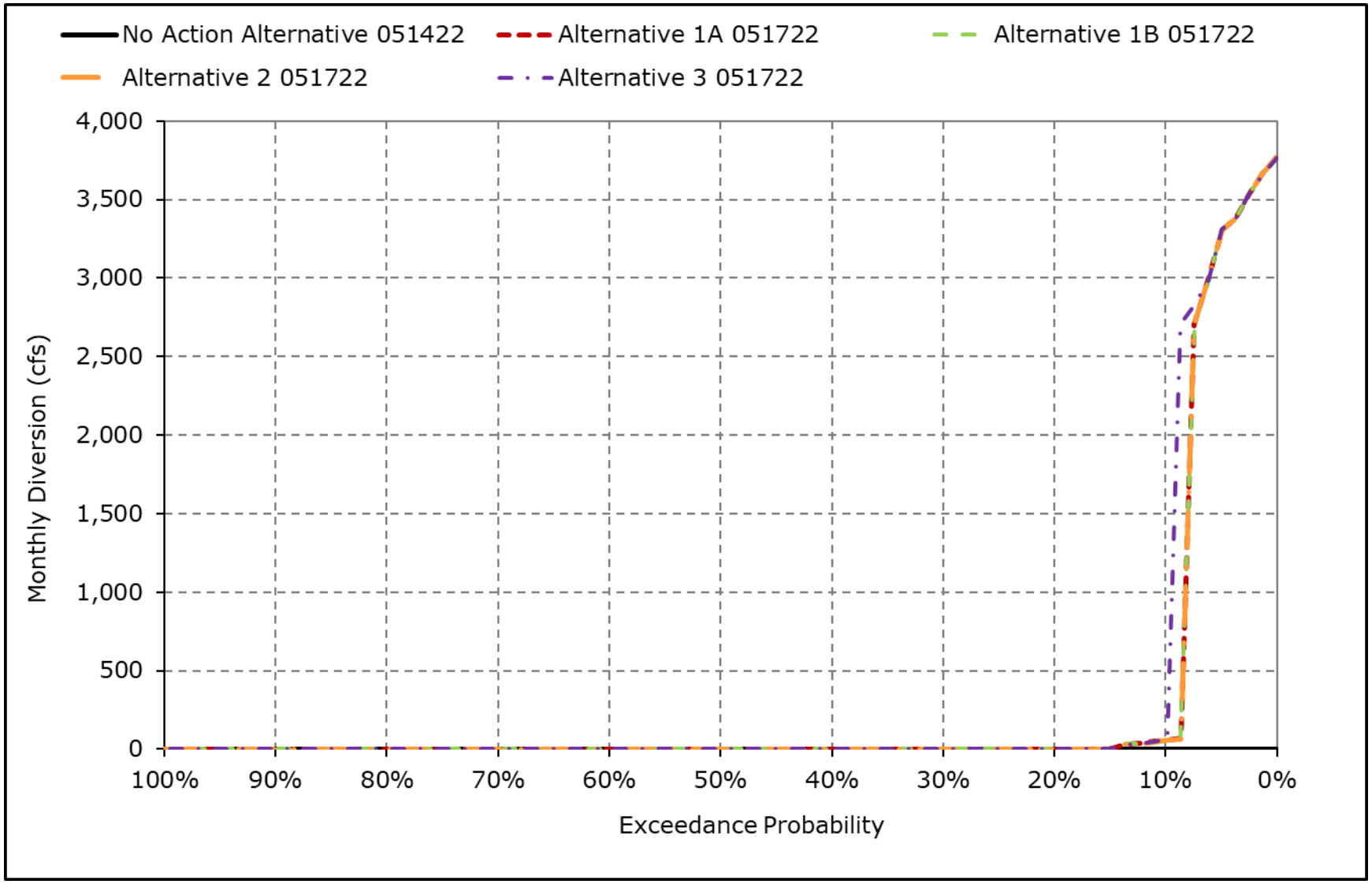
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-12. Total Sites Diversions, March



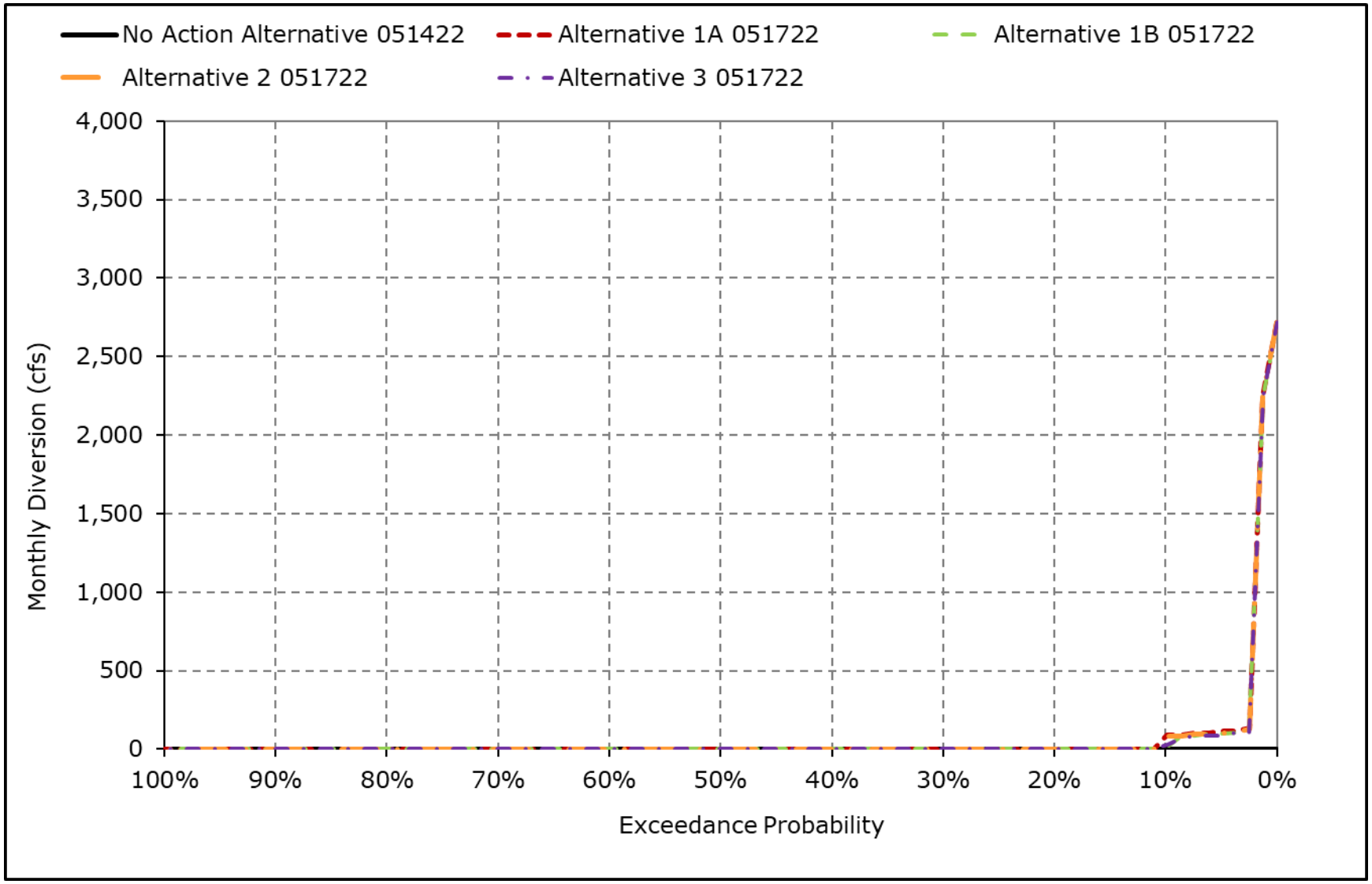
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-13. Total Sites Diversions, April



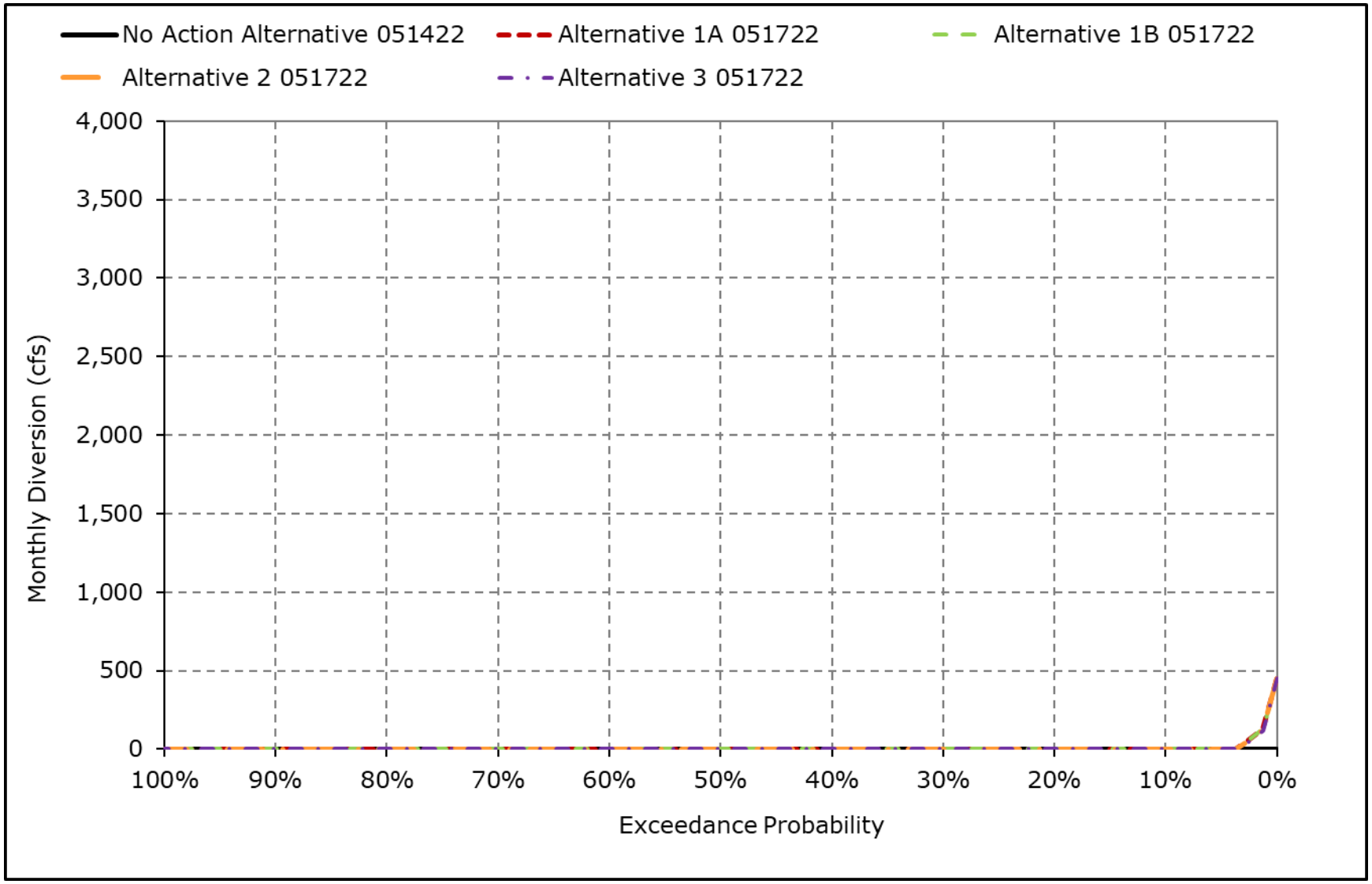
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-14. Total Sites Diversions, May



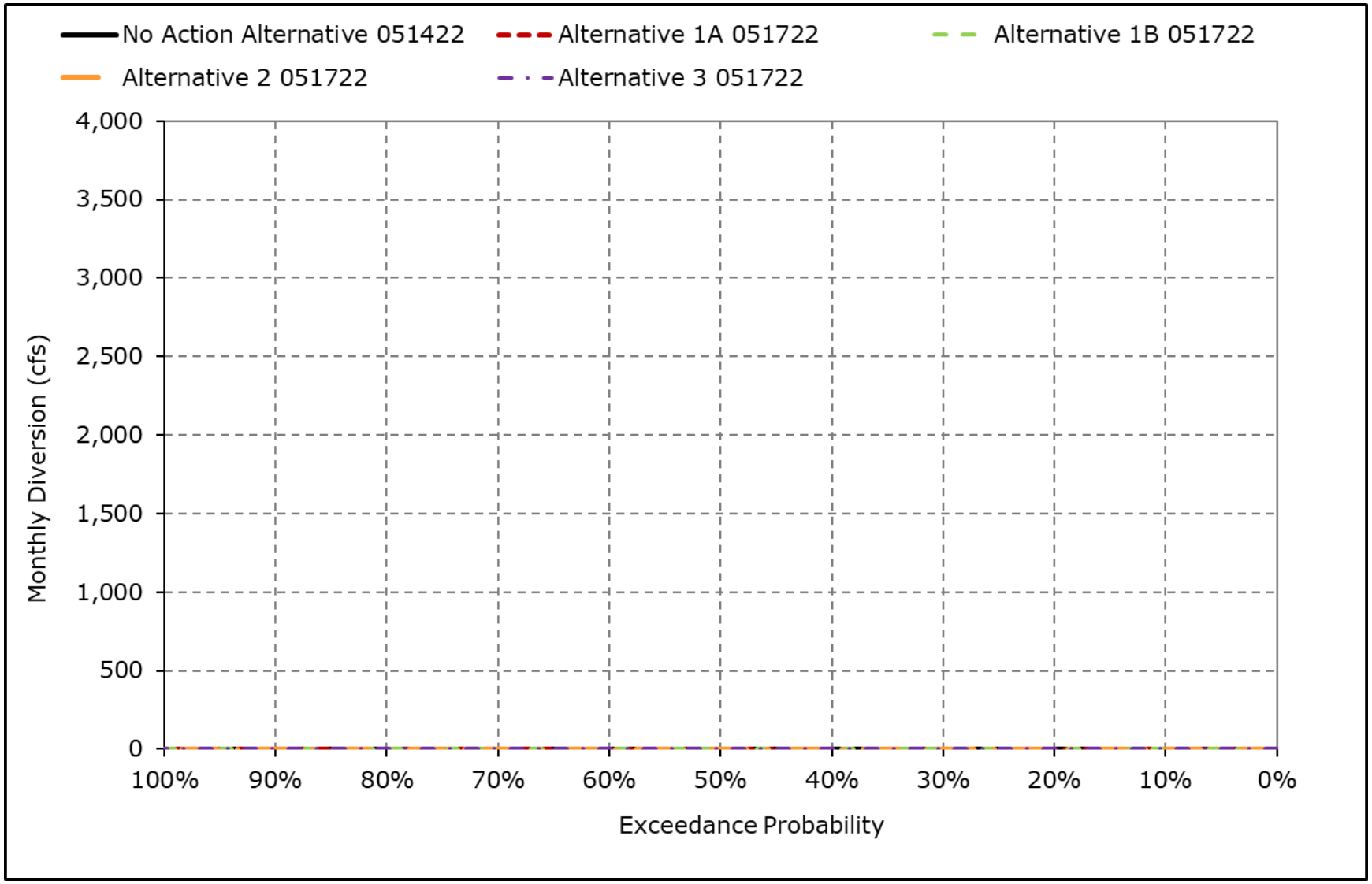
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-15. Total Sites Diversions, June



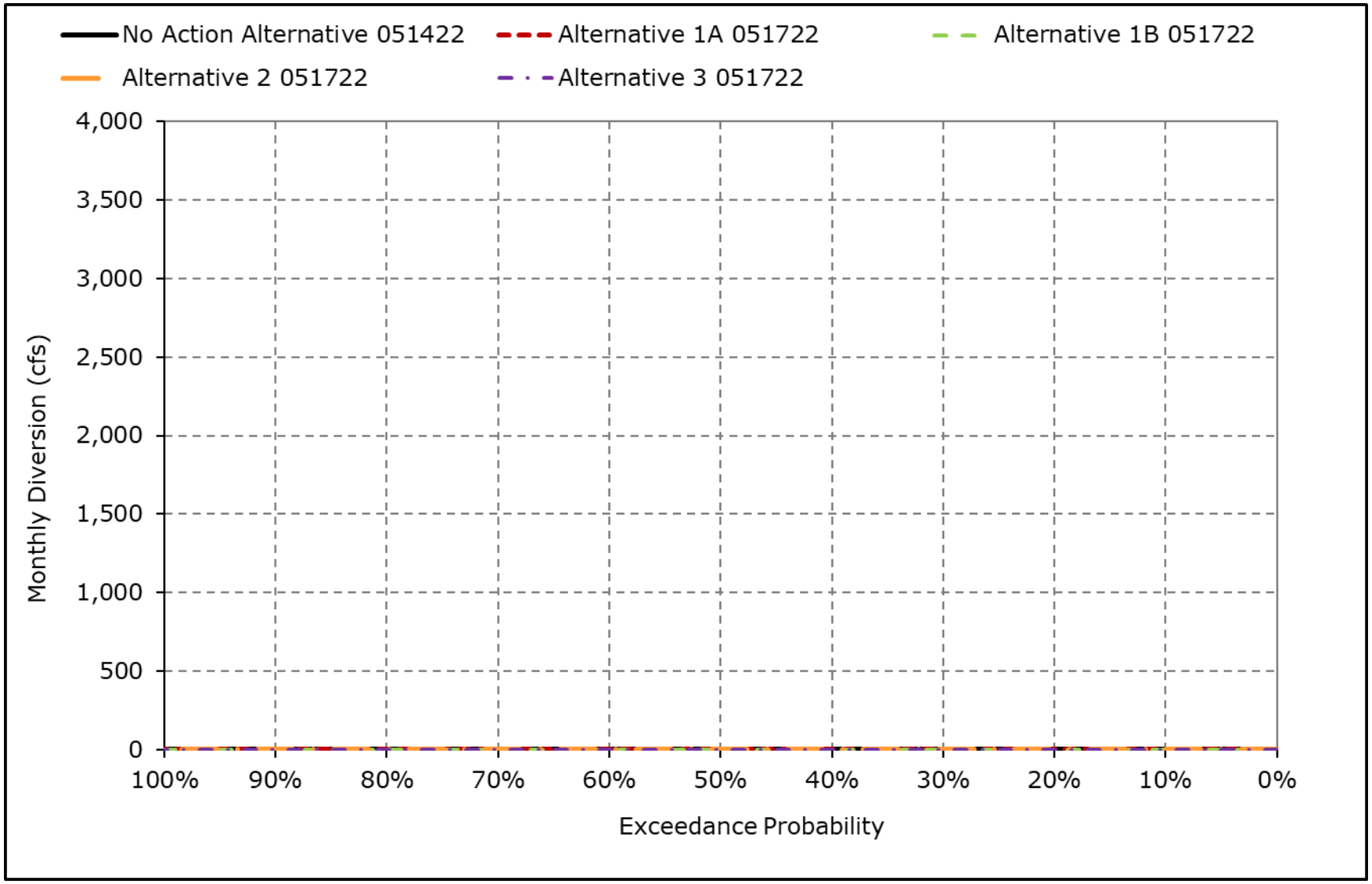
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-16. Total Sites Diversions, July



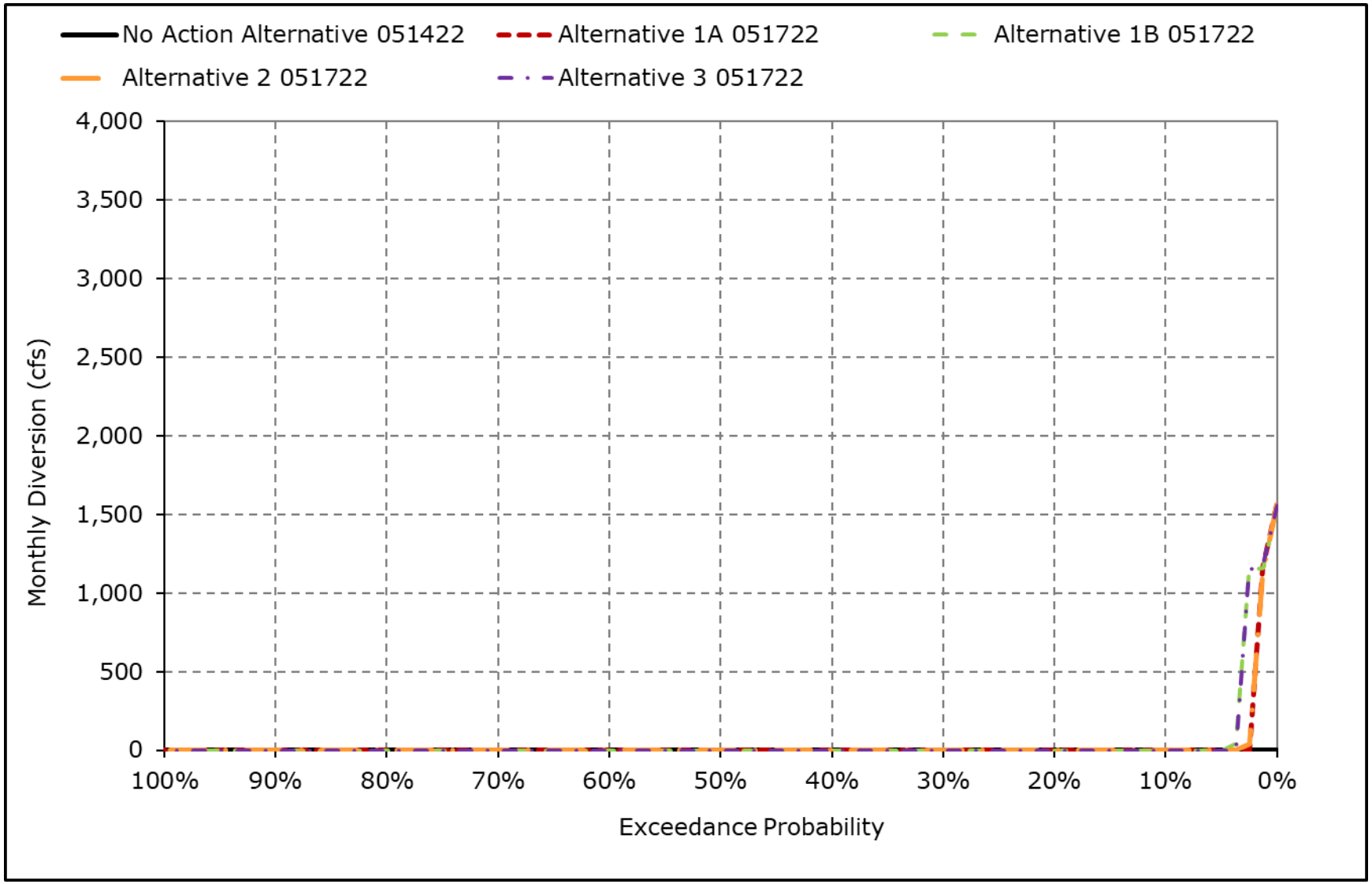
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-17. Total Sites Diversions, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-3-18. Total Sites Diversions, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-4-1a. Sites Release to Dunnigan Pipeline, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-4-1b. Sites Release to Dunnigan Pipeline, Alternative 1A 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	823	65	0	0	0	36	0	1,000	1,000	1,000	1,000
20% Exceedance	991	306	0	0	0	0	0	0	618	1,000	1,000	1,000
30% Exceedance	449	64	0	0	0	0	0	0	301	635	756	875
40% Exceedance	449	0	0	0	0	0	0	0	0	398	458	548
50% Exceedance	449	0	0	0	0	0	0	0	0	65	449	464
60% Exceedance	433	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	193	0	0	0	0	0	0	0	0	0	449	464
80% Exceedance	19	0	0	0	0	0	0	0	0	0	76	212
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	459	170	18	0	0	0	50	49	248	355	531	554
Wet Water Years (32%)	371	0	0	0	0	0	0	0	0	2	380	460
Above Normal Water Years (15%)	262	48	14	0	0	0	0	0	0	127	590	666
Below Normal Water Years (17%)	550	255	38	0	0	0	0	0	104	444	414	368
Dry Water Years (22%)	777	472	28	0	0	0	2	0	662	826	820	796
Critical Water Years (15%)	265	106	20	0	0	0	337	334	577	539	500	502

Table 5B1-4-1c. Sites Release to Dunnigan Pipeline, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	823	65	0	0	0	36	0	1,000	1,000	1,000	1,000
20% Exceedance	991	306	0	0	0	0	0	0	618	1,000	1,000	1,000
30% Exceedance	449	64	0	0	0	0	0	0	301	635	756	875
40% Exceedance	449	0	0	0	0	0	0	0	0	398	458	548
50% Exceedance	449	0	0	0	0	0	0	0	0	65	449	464
60% Exceedance	433	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	193	0	0	0	0	0	0	0	0	0	449	464
80% Exceedance	19	0	0	0	0	0	0	0	0	0	76	212
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	459	170	18	0	0	0	50	49	248	355	531	554
Wet Water Years (32%)	371	0	0	0	0	0	0	0	0	2	380	460
Above Normal Water Years (15%)	262	48	14	0	0	0	0	0	0	127	590	666
Below Normal Water Years (17%)	550	255	38	0	0	0	0	0	104	444	414	368
Dry Water Years (22%)	777	472	28	0	0	0	2	0	662	826	820	796
Critical Water Years (15%)	265	106	20	0	0	0	337	334	577	539	500	502

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-4-2a. Sites Release to Dunnigan Pipeline, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-4-2b. Sites Release to Dunnigan Pipeline, Alternative 1B 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	794	61	0	0	0	110	136	1,000	1,000	1,000	1,000
20% Exceedance	974	306	0	0	0	0	0	0	880	989	1,000	1,000
30% Exceedance	449	26	0	0	0	0	0	0	398	514	702	771
40% Exceedance	449	0	0	0	0	0	0	0	215	332	449	464
50% Exceedance	449	0	0	0	0	0	0	0	18	65	449	464
60% Exceedance	319	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	163	0	0	0	0	0	0	0	0	0	449	419
80% Exceedance	19	0	0	0	0	0	0	0	0	0	79	85
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	430	164	17	0	0	0	65	62	299	334	508	512
Wet Water Years (32%)	335	0	0	0	0	0	0	0	0	41	400	467
Above Normal Water Years (15%)	258	48	14	0	0	0	0	0	275	32	483	553
Below Normal Water Years (17%)	524	322	31	0	0	0	0	2	177	333	338	251
Dry Water Years (22%)	774	396	29	0	0	0	114	61	654	817	820	789
Critical Water Years (15%)	181	102	20	0	0	0	271	330	577	548	500	457

Table 5B1-4-2c. Sites Release to Dunnigan Pipeline, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	794	61	0	0	0	110	136	1,000	1,000	1,000	1,000
20% Exceedance	974	306	0	0	0	0	0	0	880	989	1,000	1,000
30% Exceedance	449	26	0	0	0	0	0	0	398	514	702	771
40% Exceedance	449	0	0	0	0	0	0	0	215	332	449	464
50% Exceedance	449	0	0	0	0	0	0	0	18	65	449	464
60% Exceedance	319	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	163	0	0	0	0	0	0	0	0	0	449	419
80% Exceedance	19	0	0	0	0	0	0	0	0	0	79	85
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	430	164	17	0	0	0	65	62	299	334	508	512
Wet Water Years (32%)	335	0	0	0	0	0	0	0	0	41	400	467
Above Normal Water Years (15%)	258	48	14	0	0	0	0	0	275	32	483	553
Below Normal Water Years (17%)	524	322	31	0	0	0	0	2	177	333	338	251
Dry Water Years (22%)	774	396	29	0	0	0	114	61	654	817	820	789
Critical Water Years (15%)	181	102	20	0	0	0	271	330	577	548	500	457

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-4-3a. Sites Release to Dunnigan Pipeline, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-4-3b. Sites Release to Dunnigan Pipeline, Alternative 2 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	816	150	0	0	0	33	0	1,000	1,000	1,000	1,000
20% Exceedance	972	305	0	0	0	0	0	0	553	1,000	1,000	1,000
30% Exceedance	449	52	0	0	0	0	0	0	289	618	963	815
40% Exceedance	449	0	0	0	0	0	0	0	0	428	478	516
50% Exceedance	449	0	0	0	0	0	0	0	0	79	449	464
60% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	207	0	0	0	0	0	0	0	0	0	449	464
80% Exceedance	87	0	0	0	0	0	0	0	0	0	293	193
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	459	160	21	0	0	0	39	49	241	357	549	550
Wet Water Years (32%)	380	0	0	0	0	0	0	0	0	2	380	478
Above Normal Water Years (15%)	331	48	14	0	0	0	0	0	0	181	644	731
Below Normal Water Years (17%)	559	253	40	0	0	0	0	0	101	434	447	365
Dry Water Years (22%)	747	428	34	0	0	0	2	0	642	809	818	758
Critical Water Years (15%)	212	109	35	0	0	0	262	332	565	535	539	430

Table 5B1-4-3c. Sites Release to Dunnigan Pipeline, Alternative 2 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	816	150	0	0	0	33	0	1,000	1,000	1,000	1,000
20% Exceedance	972	305	0	0	0	0	0	0	553	1,000	1,000	1,000
30% Exceedance	449	52	0	0	0	0	0	0	289	618	963	815
40% Exceedance	449	0	0	0	0	0	0	0	0	428	478	516
50% Exceedance	449	0	0	0	0	0	0	0	0	79	449	464
60% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	207	0	0	0	0	0	0	0	0	0	449	464
80% Exceedance	87	0	0	0	0	0	0	0	0	0	293	193
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	459	160	21	0	0	0	39	49	241	357	549	550
Wet Water Years (32%)	380	0	0	0	0	0	0	0	0	2	380	478
Above Normal Water Years (15%)	331	48	14	0	0	0	0	0	0	181	644	731
Below Normal Water Years (17%)	559	253	40	0	0	0	0	0	101	434	447	365
Dry Water Years (22%)	747	428	34	0	0	0	2	0	642	809	818	758
Critical Water Years (15%)	212	109	35	0	0	0	262	332	565	535	539	430

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-4-4a. Sites Release to Dunnigan Pipeline, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-4-4b. Sites Release to Dunnigan Pipeline, Alternative 3 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	496	32	0	0	0	106	330	1,000	1,000	1,000	1,000
20% Exceedance	786	267	0	0	0	0	0	0	869	993	891	866
30% Exceedance	449	1	0	0	0	0	0	0	439	624	563	464
40% Exceedance	449	0	0	0	0	0	0	0	205	297	449	464
50% Exceedance	323	0	0	0	0	0	0	0	2	56	449	464
60% Exceedance	141	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	9	0	0	0	0	0	0	0	0	0	449	103
80% Exceedance	0	0	0	0	0	0	0	0	0	0	81	7
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	367	134	15	0	0	0	63	98	295	345	493	432
Wet Water Years (32%)	288	0	0	0	0	0	0	0	0	41	400	451
Above Normal Water Years (15%)	185	23	16	0	0	0	0	0	290	96	530	490
Below Normal Water Years (17%)	473	360	28	0	0	0	43	2	234	387	373	285
Dry Water Years (22%)	655	253	25	0	0	0	81	225	619	794	735	684
Critical Water Years (15%)	167	91	19	0	0	0	256	332	524	530	431	128

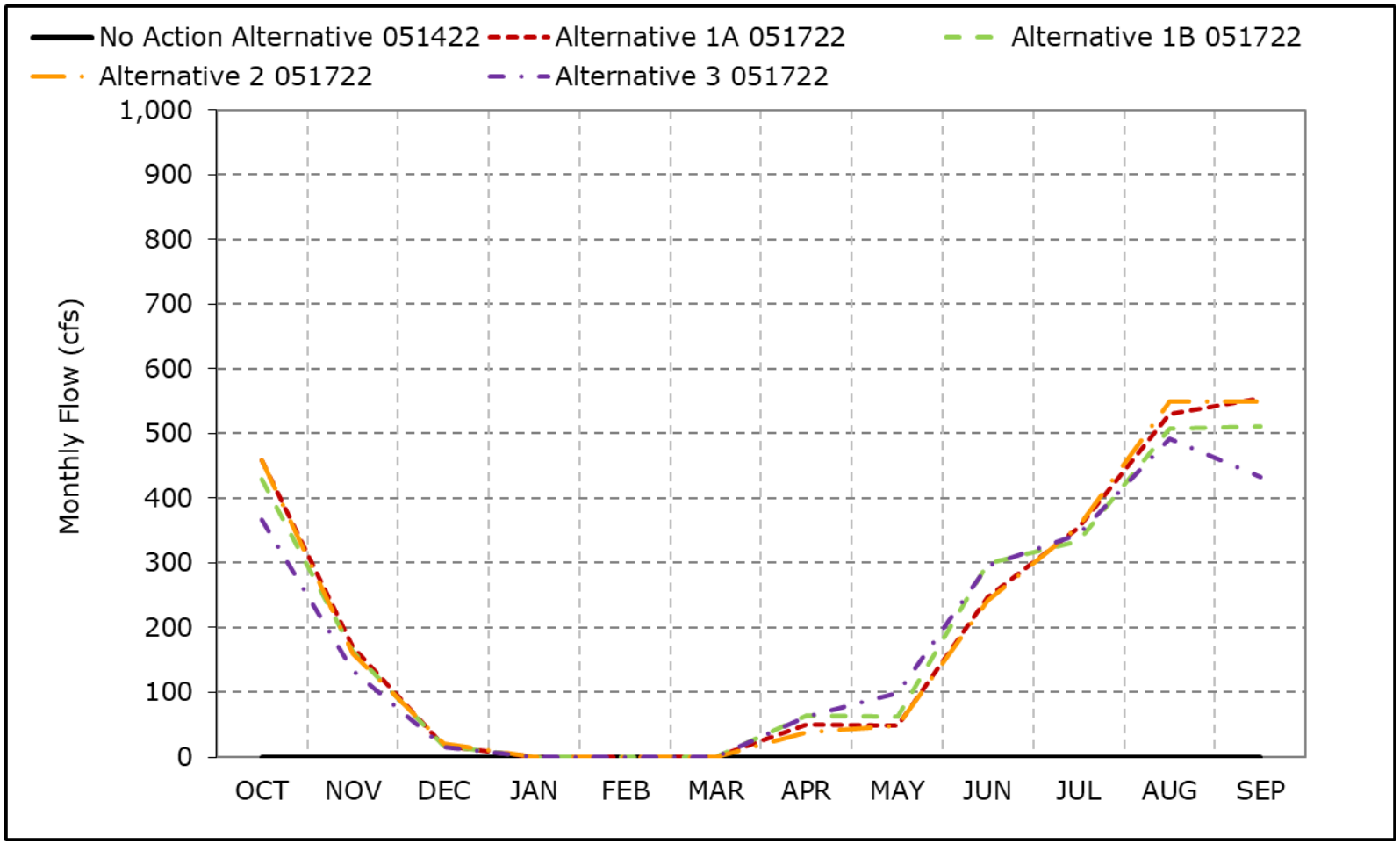
Table 5B1-4-4c. Sites Release to Dunnigan Pipeline, Alternative 3 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	496	32	0	0	0	106	330	1,000	1,000	1,000	1,000
20% Exceedance	786	267	0	0	0	0	0	0	869	993	891	866
30% Exceedance	449	1	0	0	0	0	0	0	439	624	563	464
40% Exceedance	449	0	0	0	0	0	0	0	205	297	449	464
50% Exceedance	323	0	0	0	0	0	0	0	2	56	449	464
60% Exceedance	141	0	0	0	0	0	0	0	0	0	449	464
70% Exceedance	9	0	0	0	0	0	0	0	0	0	449	103
80% Exceedance	0	0	0	0	0	0	0	0	0	0	81	7
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	367	134	15	0	0	0	63	98	295	345	493	432
Wet Water Years (32%)	288	0	0	0	0	0	0	0	0	41	400	451
Above Normal Water Years (15%)	185	23	16	0	0	0	0	0	290	96	530	490
Below Normal Water Years (17%)	473	360	28	0	0	0	43	2	234	387	373	285
Dry Water Years (22%)	655	253	25	0	0	0	81	225	619	794	735	684
Critical Water Years (15%)	167	91	19	0	0	0	256	332	524	530	431	128

[a] Based on the 82-year simulation period.

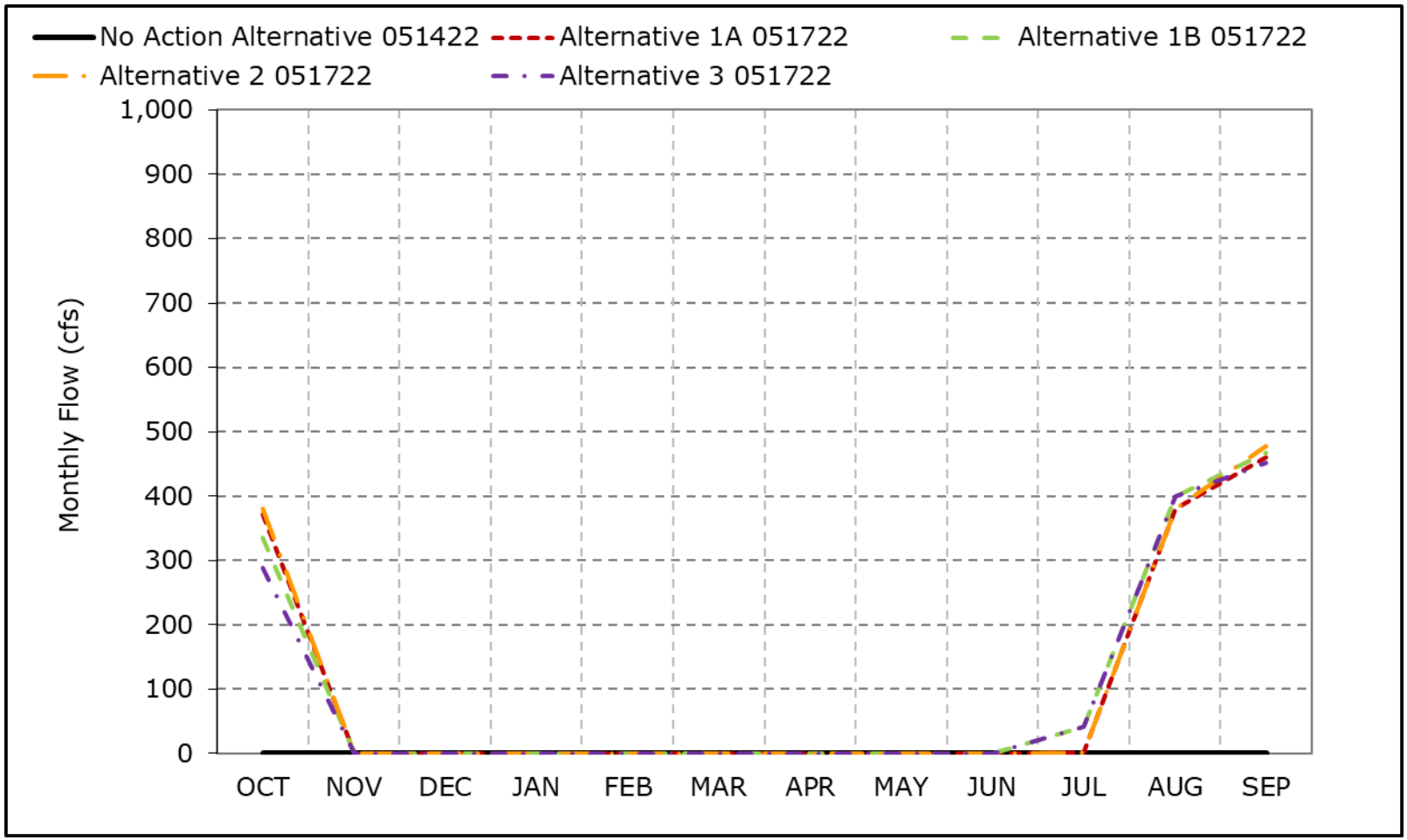
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-4-1. Sites Release to Dunnigan Pipeline, Long-Term Average Flow



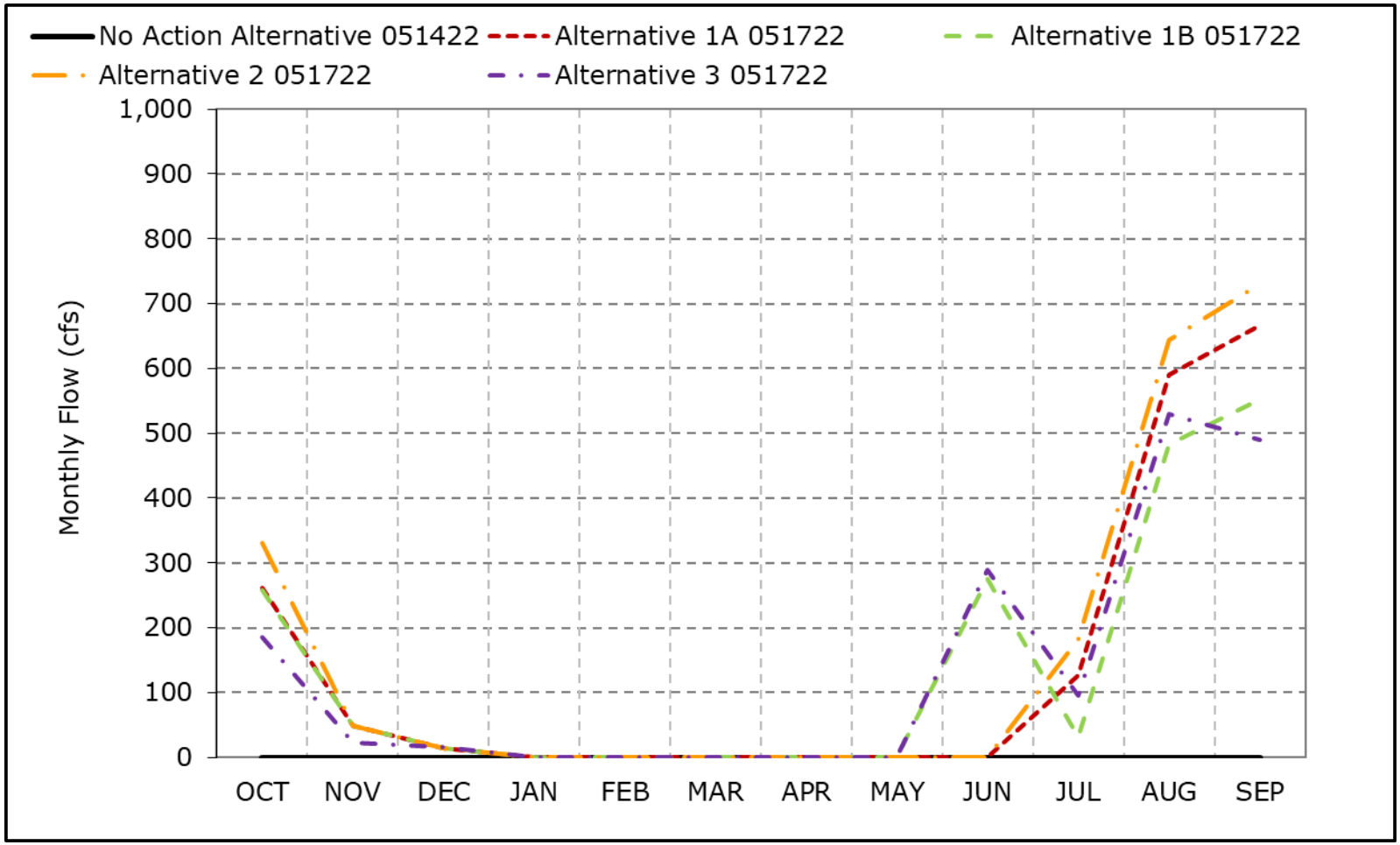
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-2. Sites Release to Dunnigan Pipeline, Wet Year Average Flow



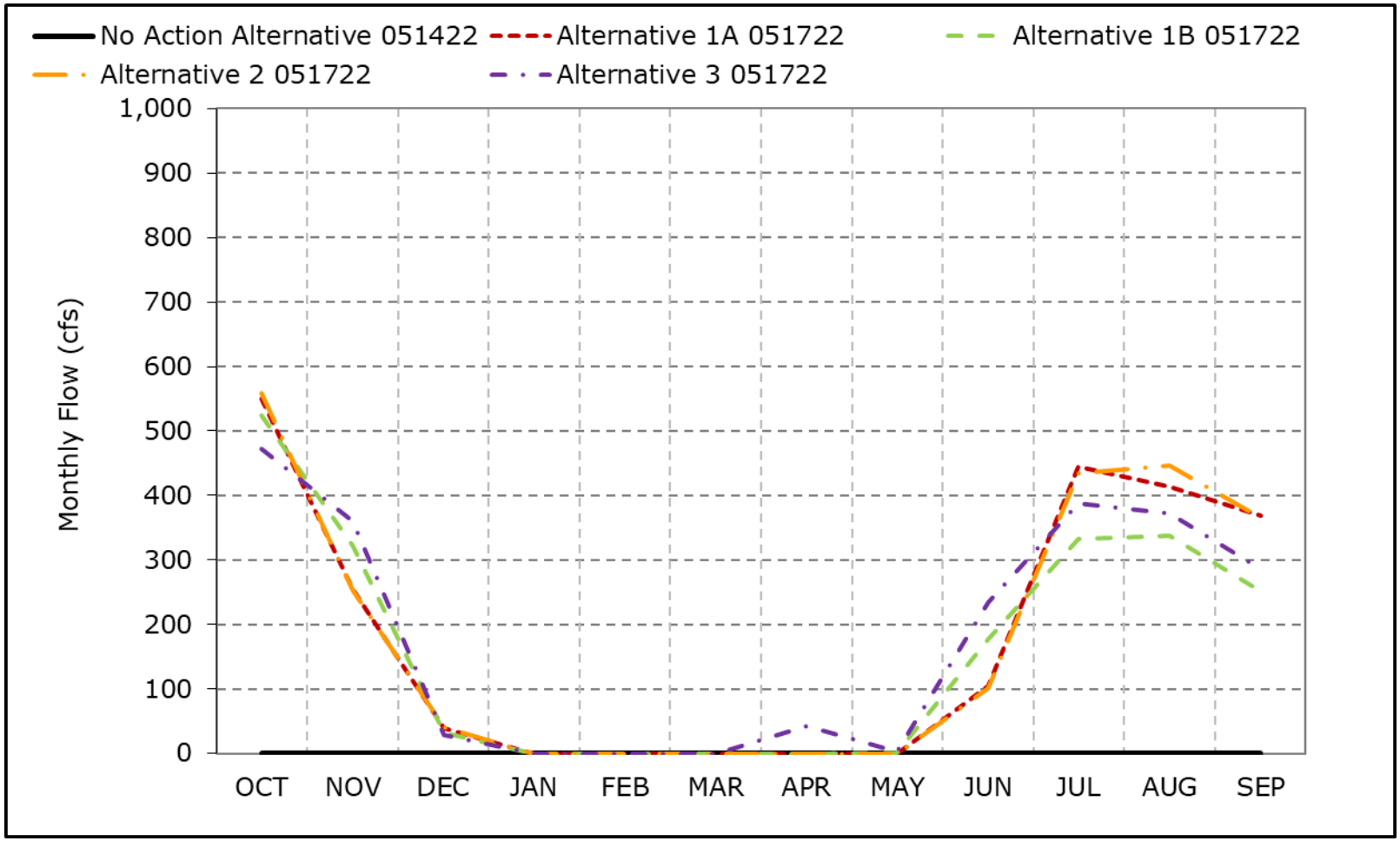
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-3. Sites Release to Dunnigan Pipeline, Above Normal Year Average Flow



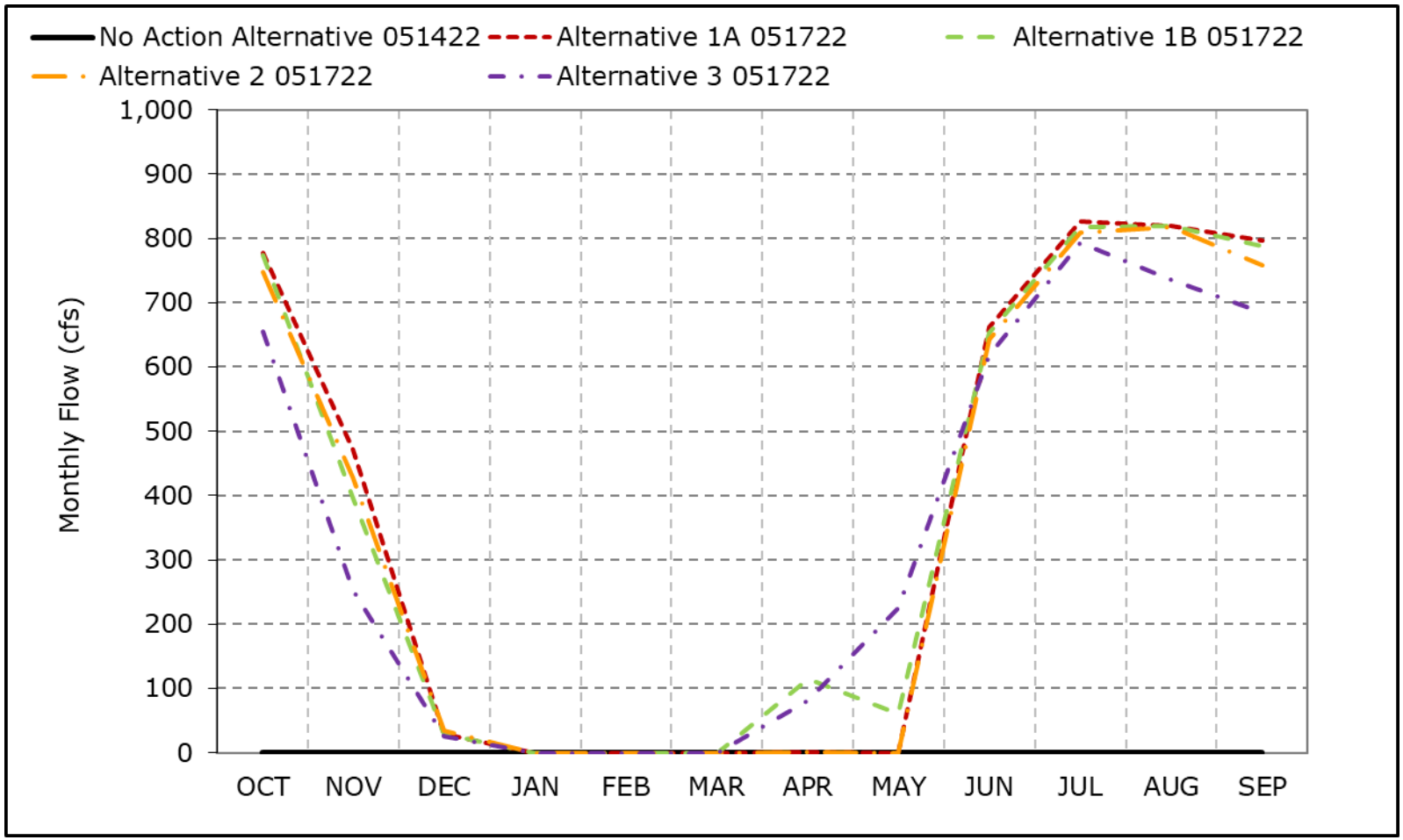
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-4. Sites Release to Dunnigan Pipeline, Below Normal Year Average Flow



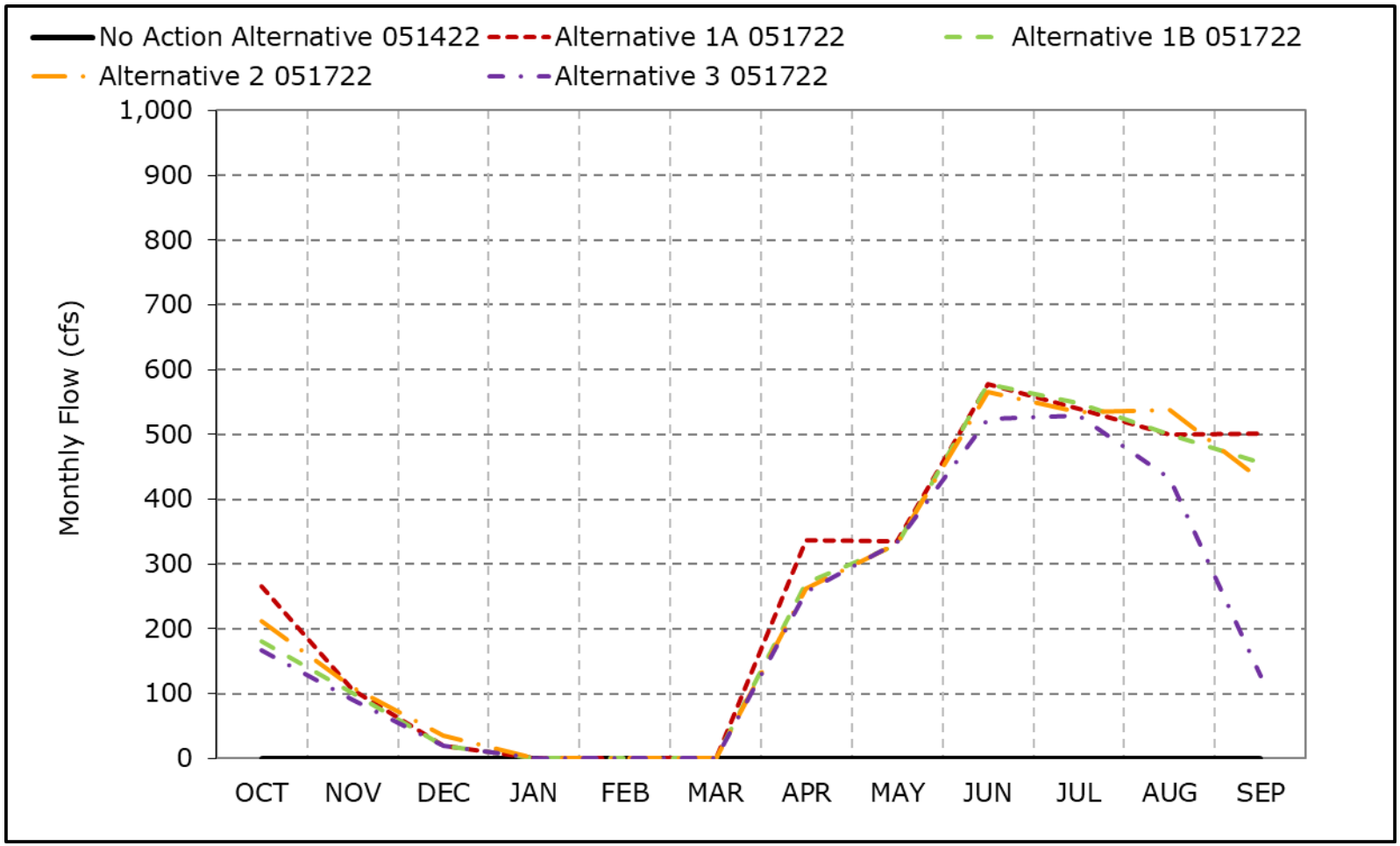
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-5. Sites Release to Dunnigan Pipeline, Dry Year Average Flow



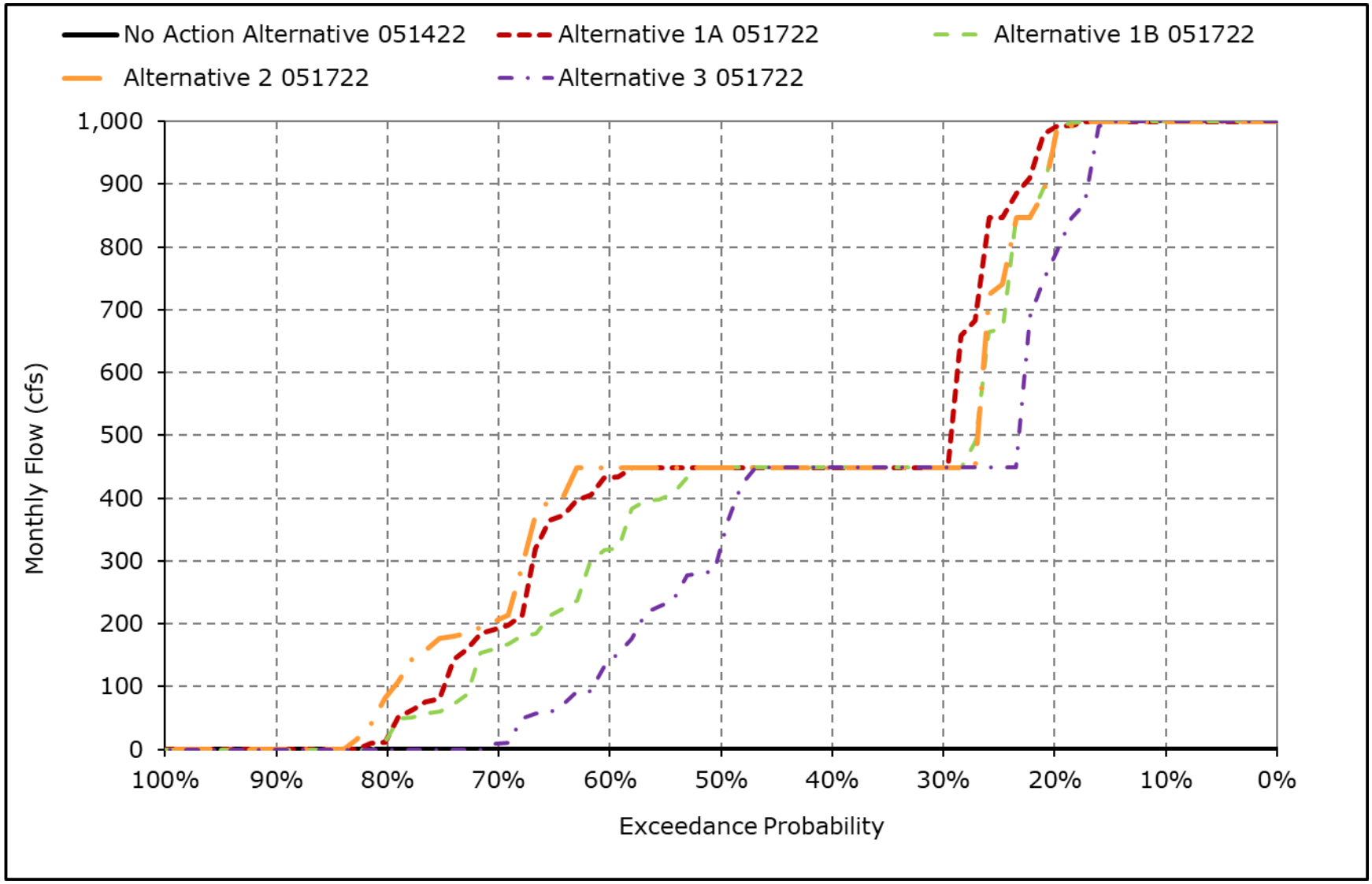
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-6. Sites Release to Dunnigan Pipeline, Critical Year Average Flow



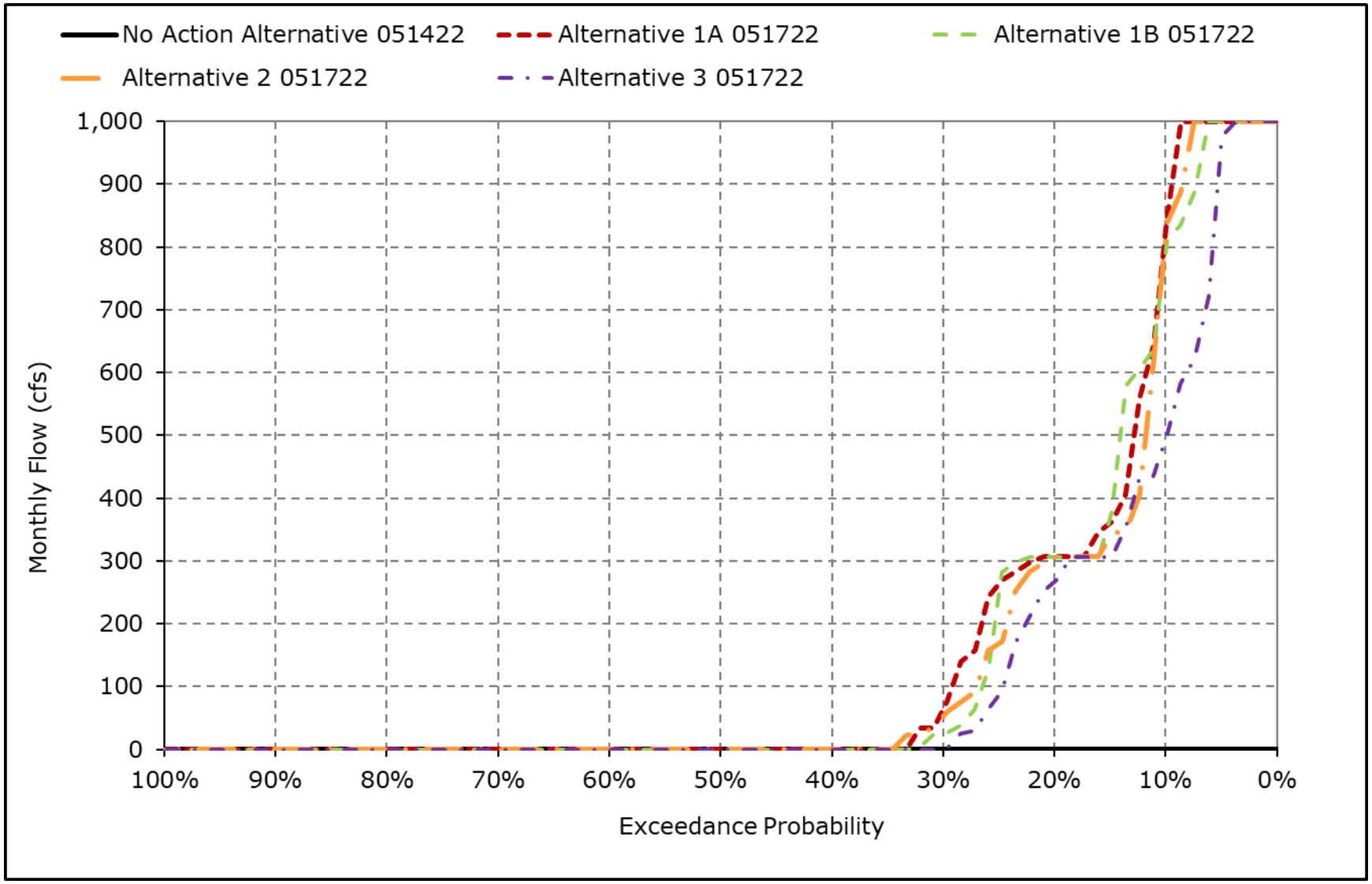
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-7. Sites Release to Dunnigan Pipeline, October



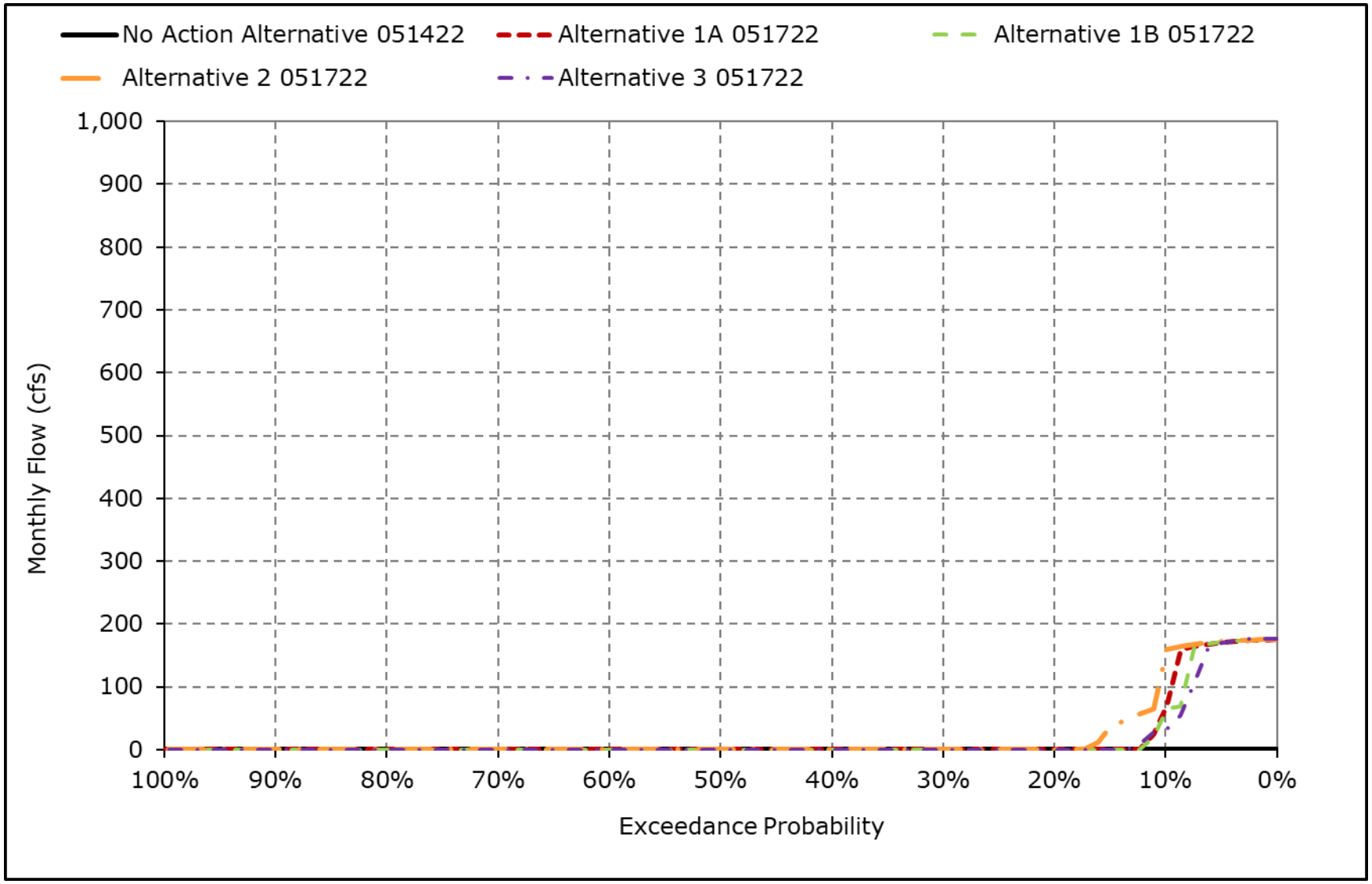
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-8. Sites Release to Dunnigan Pipeline, November



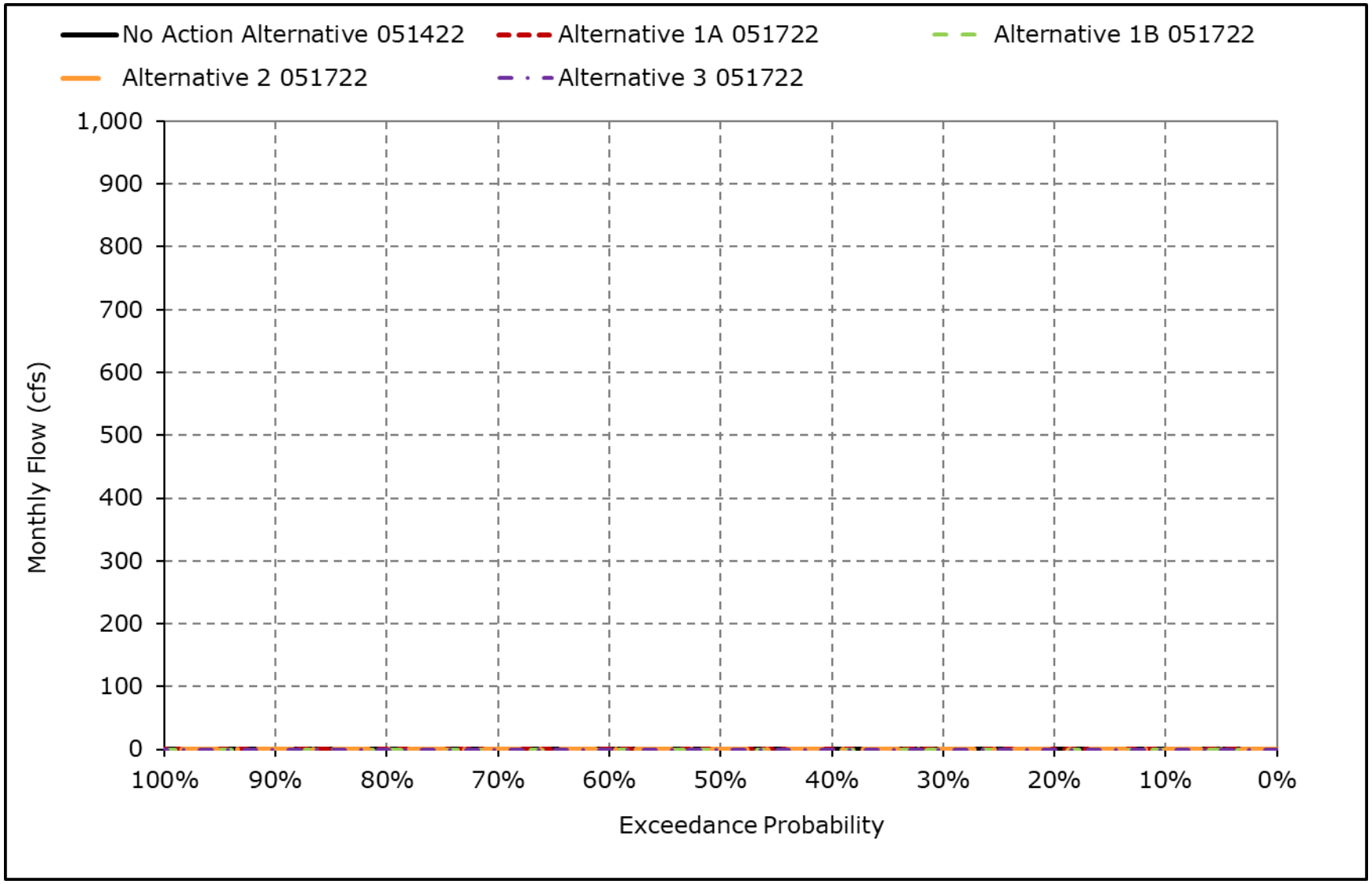
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-9. Sites Release to Dunnigan Pipeline, December



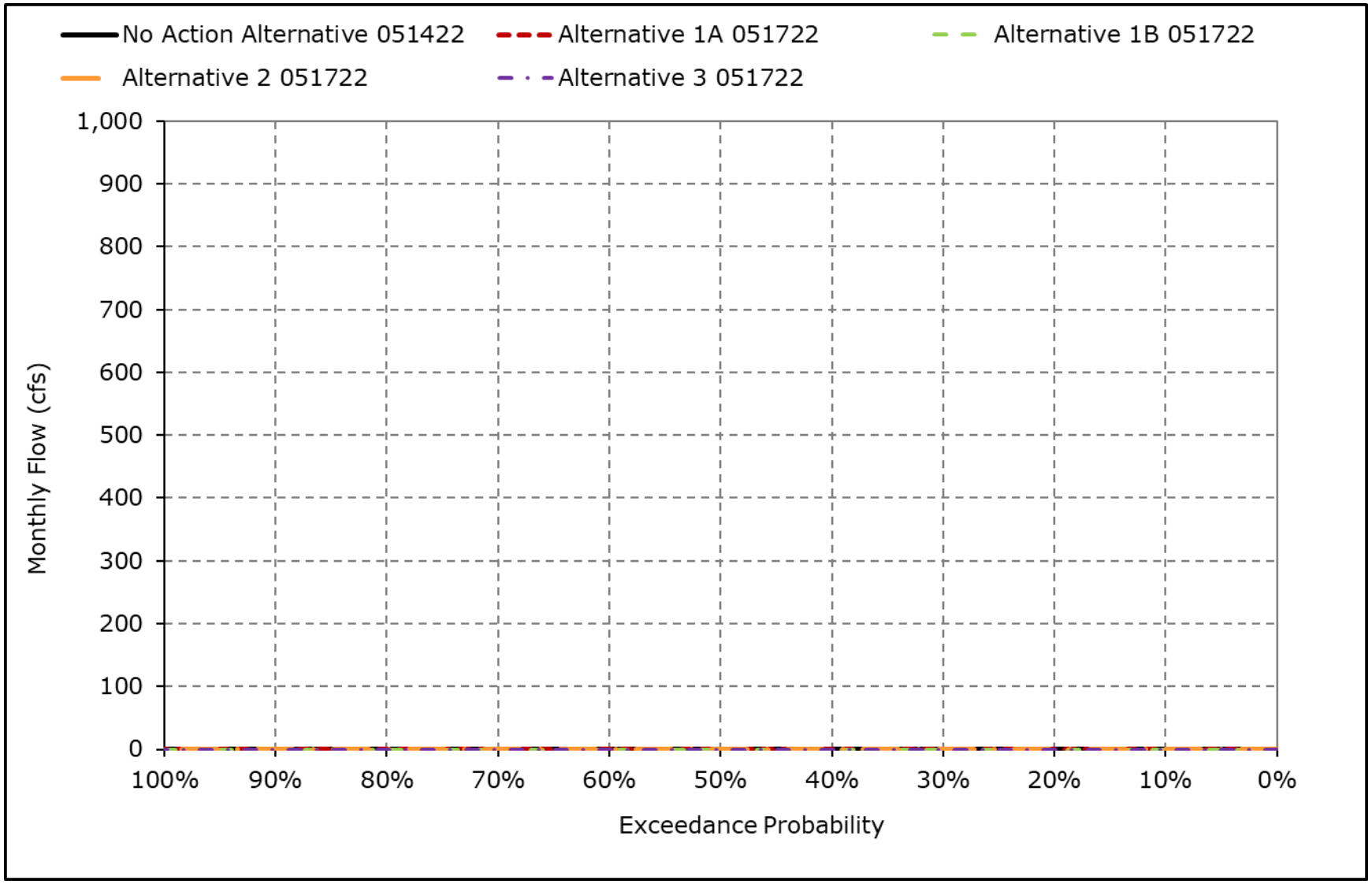
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-10. Sites Release to Dunnigan Pipeline, January



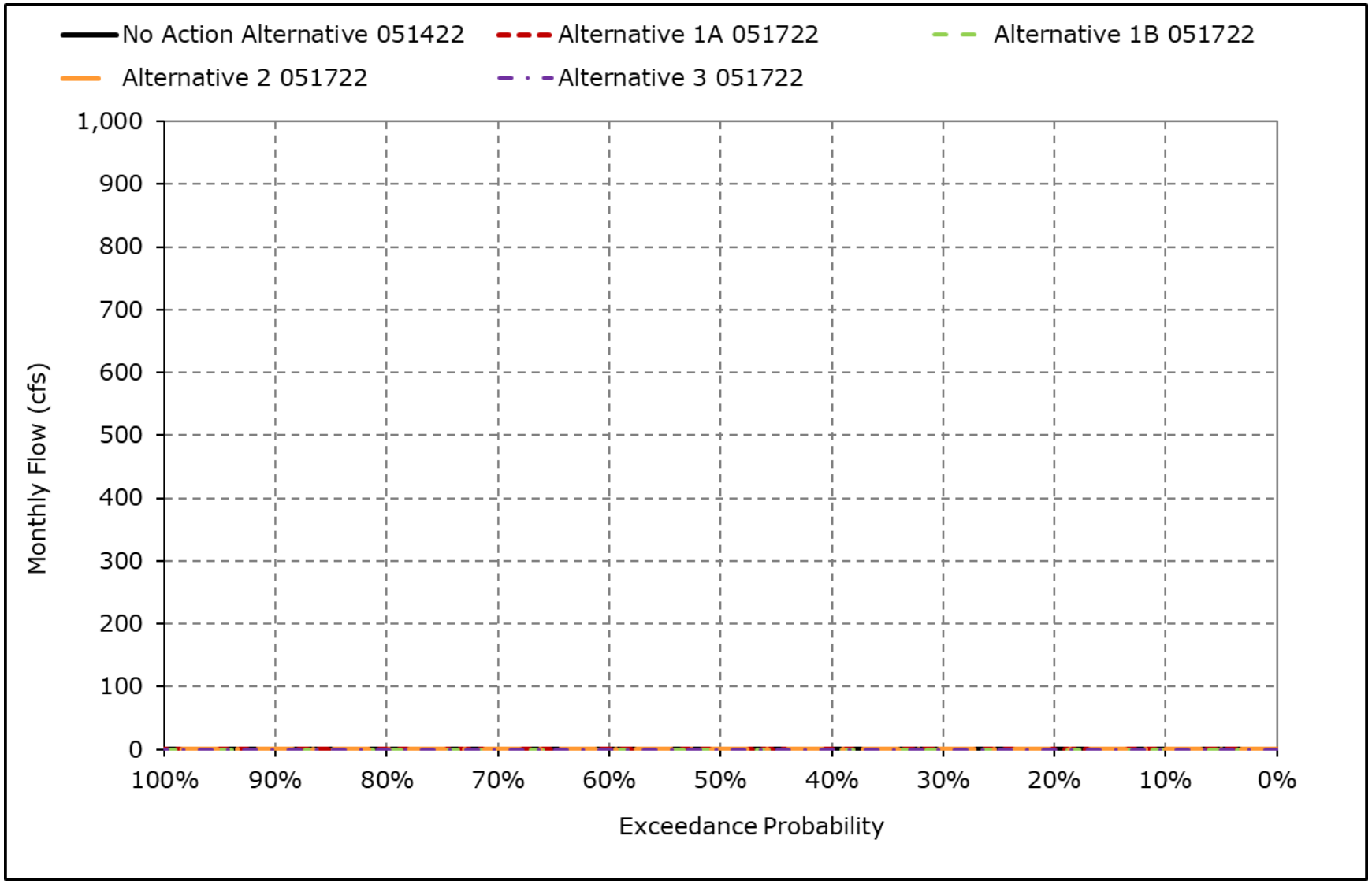
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-11. Sites Release to Dunnigan Pipeline, February



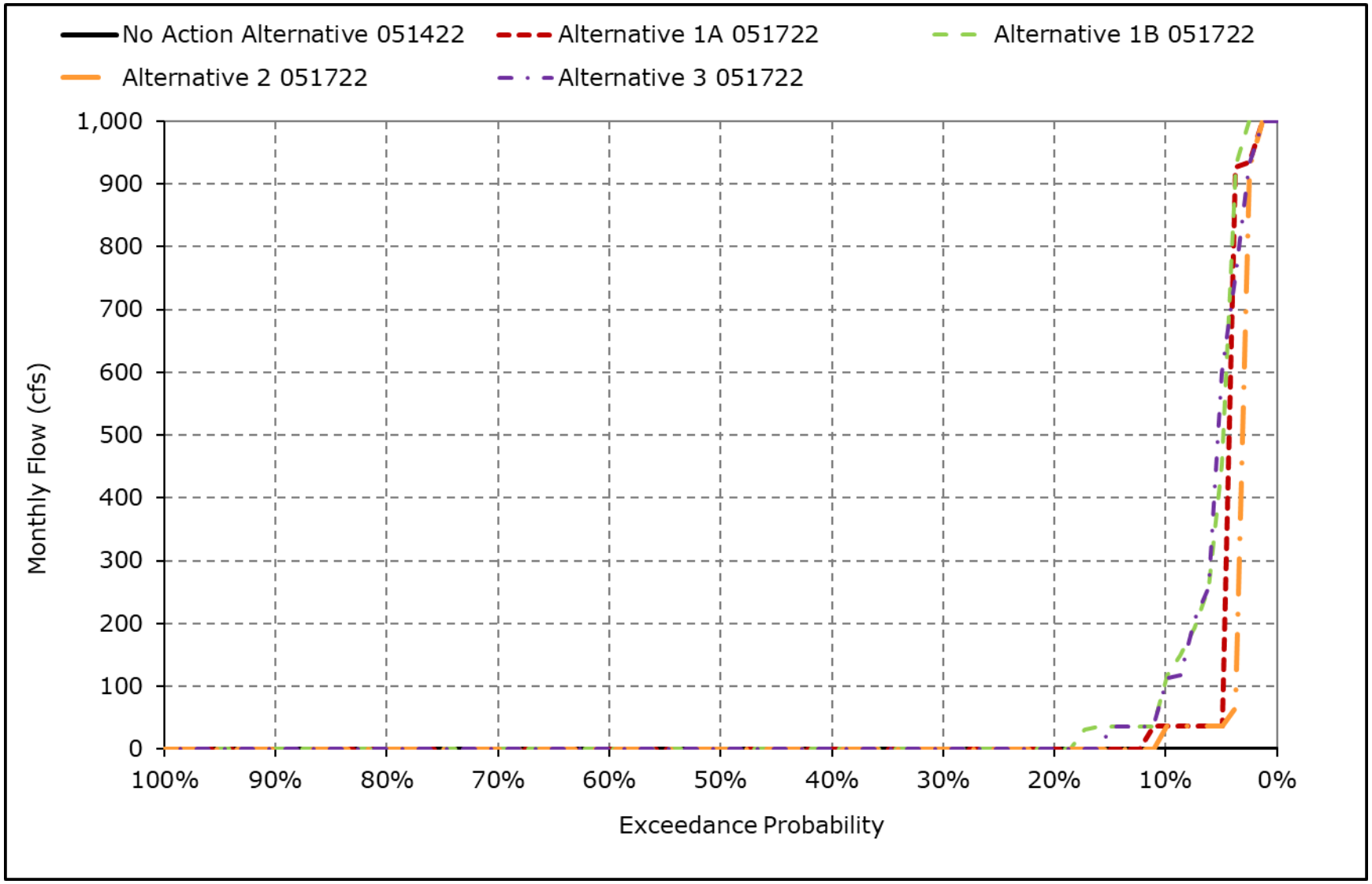
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-12. Sites Release to Dunnigan Pipeline, March



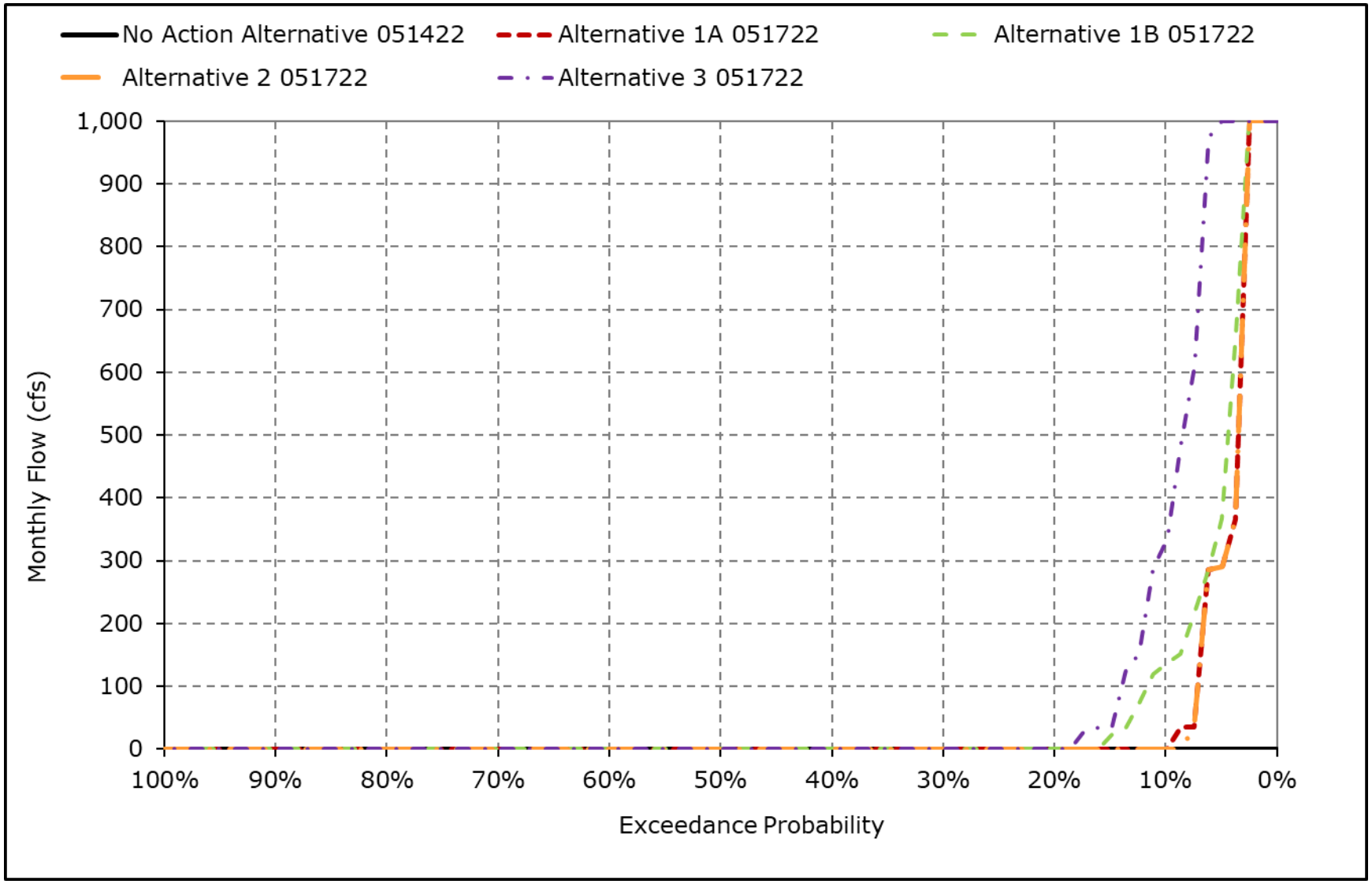
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-13. Sites Release to Dunnigan Pipeline, April



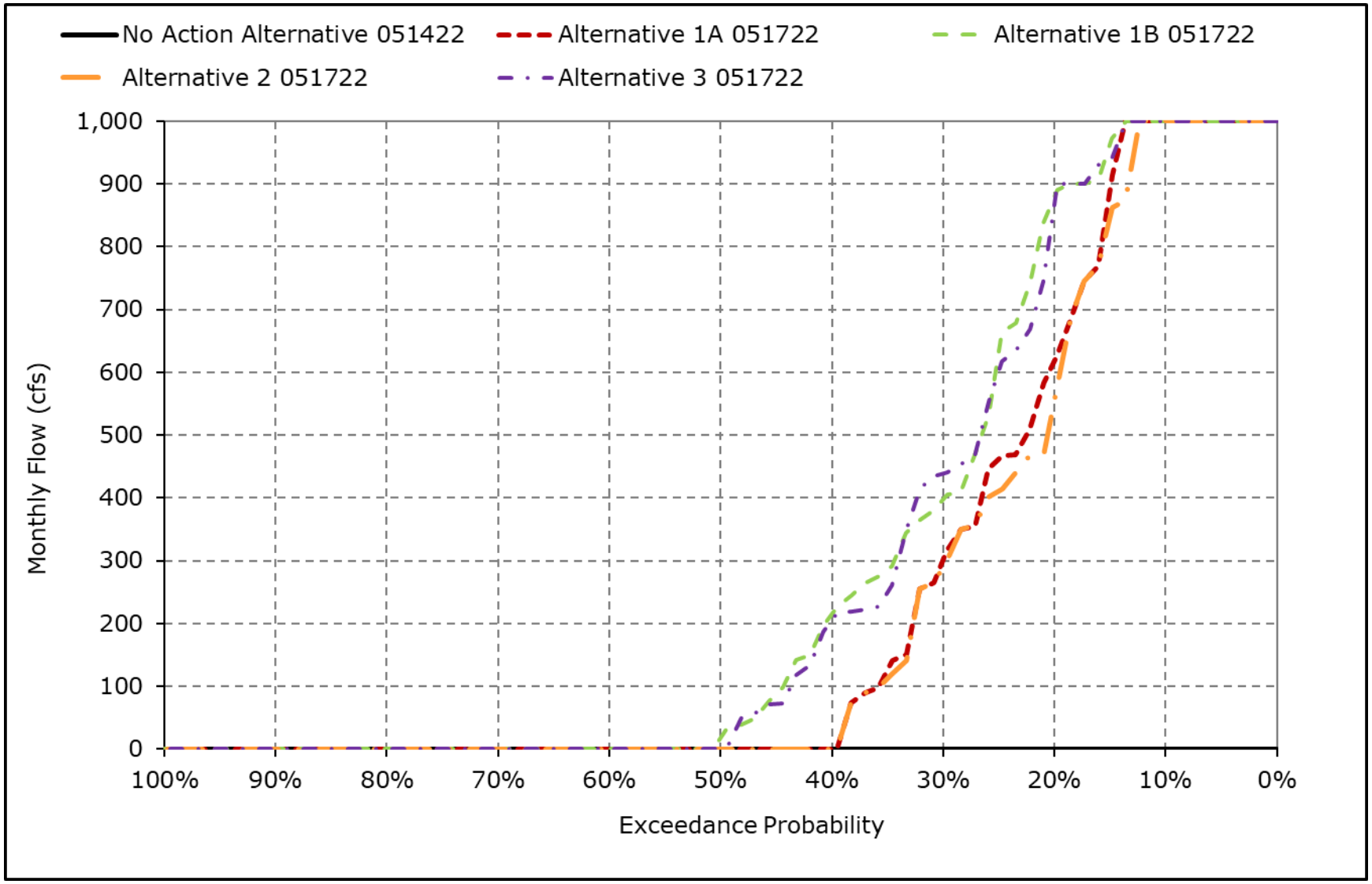
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-14. Sites Release to Dunnigan Pipeline, May



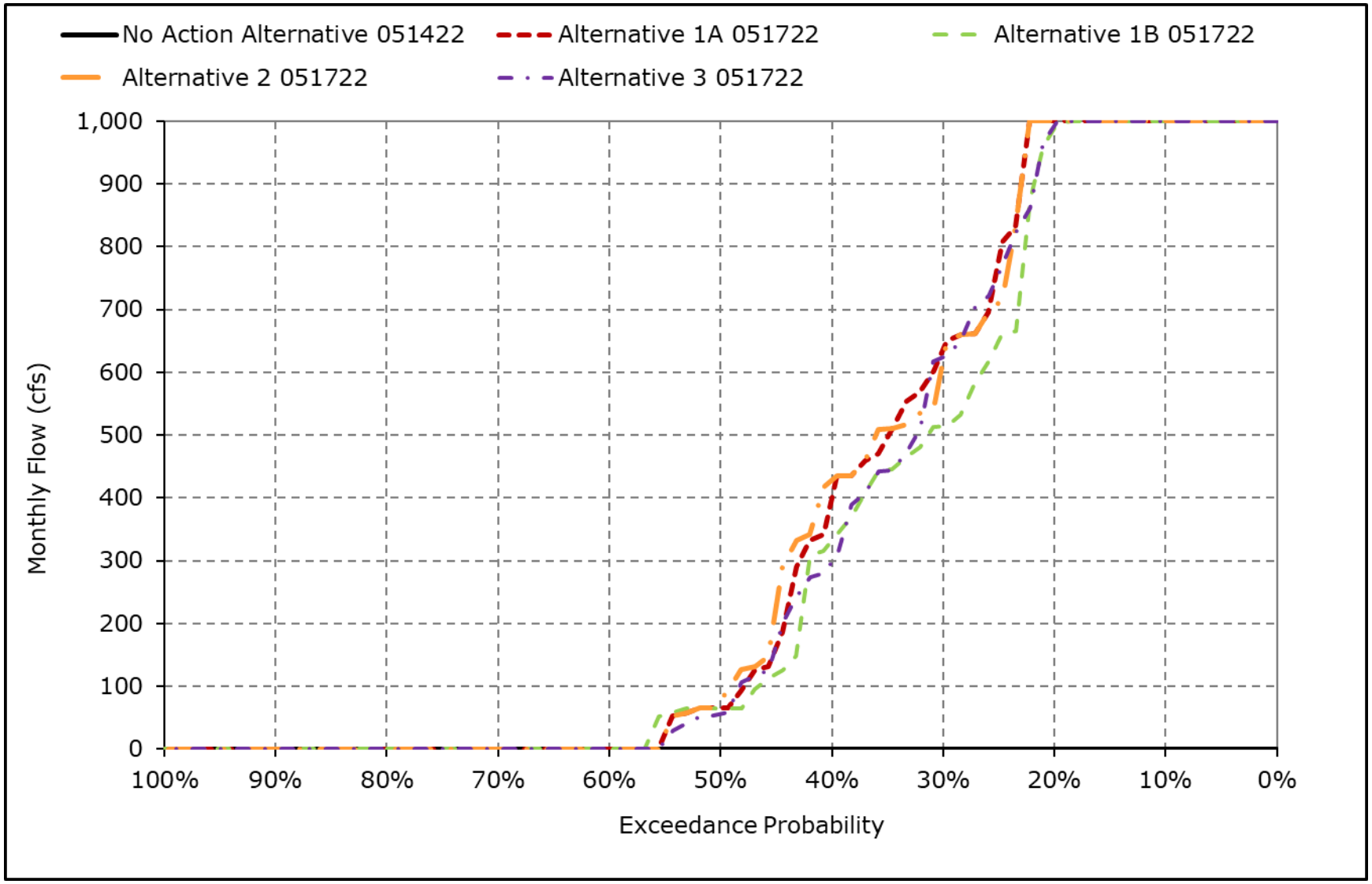
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-15. Sites Release to Dunnigan Pipeline, June



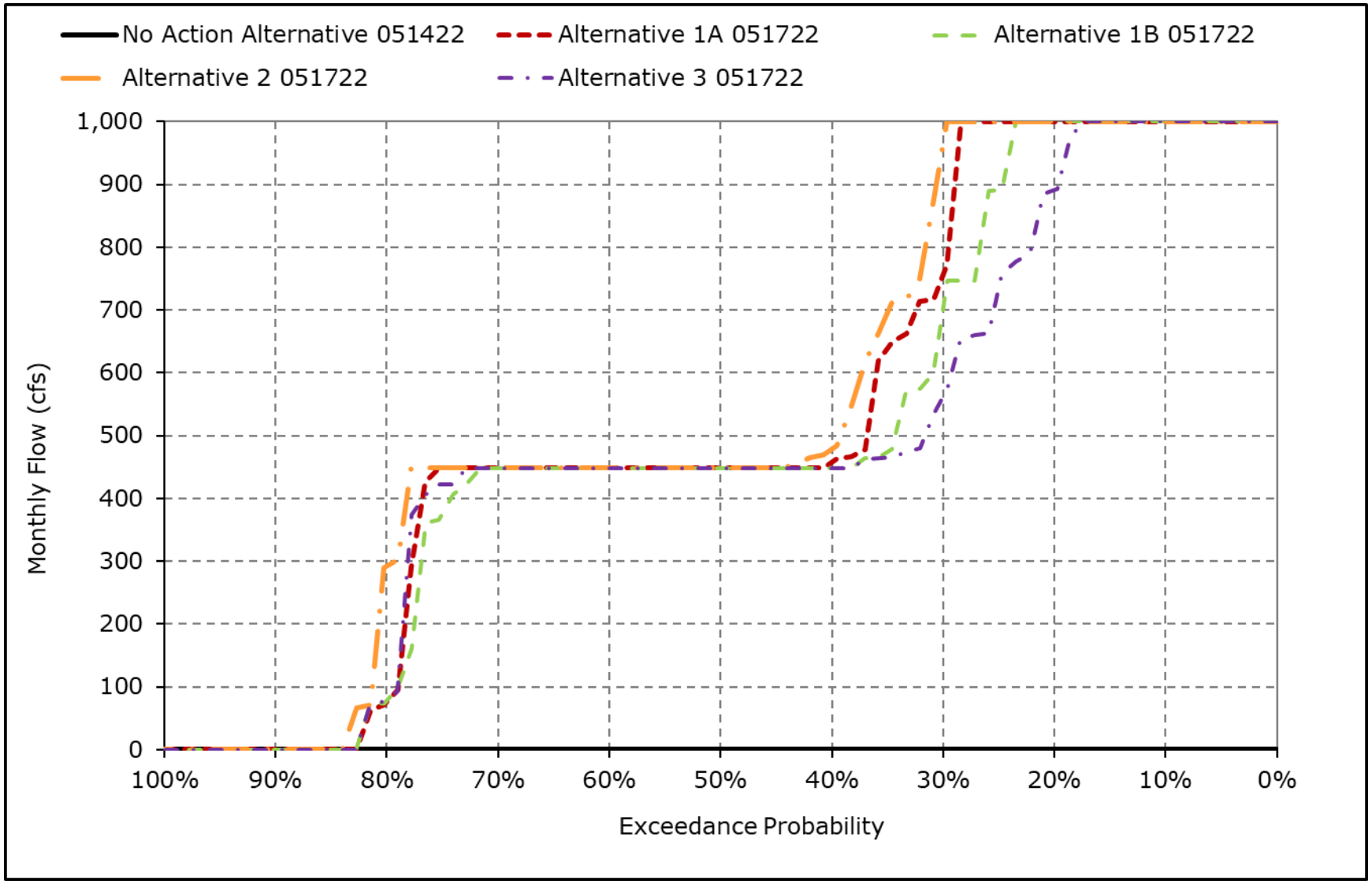
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-16. Sites Release to Dunnigan Pipeline, July



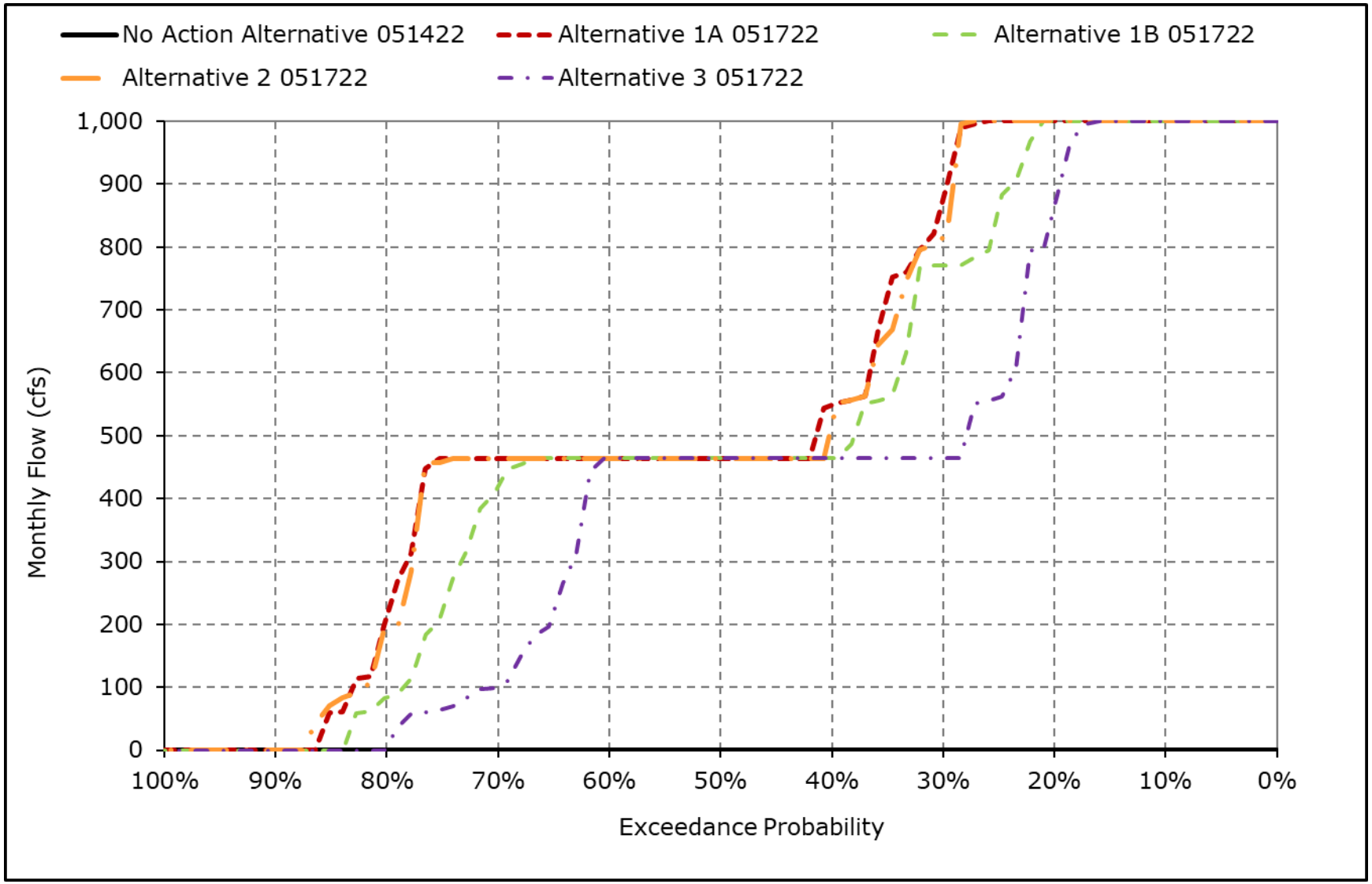
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-17. Sites Release to Dunnigan Pipeline, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-4-18. Sites Release to Dunnigan Pipeline, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-5-1a. Sites Release to Yolo Bypass, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-5-1b. Sites Release to Yolo Bypass, Alternative 1A 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	347	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	1	0	0	0	0	0	0	0	0	0	449	323
60% Exceedance	0	0	0	0	0	0	0	0	0	0	36	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	192	0	0	0	0	0	0	0	0	0	253	240
Wet Water Years (32%)	371	0	0	0	0	0	0	0	0	0	380	428
Above Normal Water Years (15%)	262	0	0	0	0	0	0	0	0	0	374	424
Below Normal Water Years (17%)	147	0	0	0	0	0	0	0	0	0	192	180
Dry Water Years (22%)	25	0	0	0	0	0	0	0	0	0	171	44
Critical Water Years (15%)	38	0	0	0	0	0	0	0	0	0	48	14

Table 5B1-5-1c. Sites Release to Yolo Bypass, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	347	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	1	0	0	0	0	0	0	0	0	0	449	323
60% Exceedance	0	0	0	0	0	0	0	0	0	0	36	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	192	0	0	0	0	0	0	0	0	0	253	240
Wet Water Years (32%)	371	0	0	0	0	0	0	0	0	0	380	428
Above Normal Water Years (15%)	262	0	0	0	0	0	0	0	0	0	374	424
Below Normal Water Years (17%)	147	0	0	0	0	0	0	0	0	0	192	180
Dry Water Years (22%)	25	0	0	0	0	0	0	0	0	0	171	44
Critical Water Years (15%)	38	0	0	0	0	0	0	0	0	0	48	14

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-5-2a. Sites Release to Yolo Bypass, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-5-2b. Sites Release to Yolo Bypass, Alternative 1B 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	125	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	0	0	0	0	0	0	0	0	0	0	449	184
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	171	0	0	0	0	0	0	0	0	0	251	226
Wet Water Years (32%)	335	0	0	0	0	0	0	0	0	0	380	408
Above Normal Water Years (15%)	254	0	0	0	0	0	0	0	0	0	374	424
Below Normal Water Years (17%)	128	0	0	0	0	0	0	0	0	0	192	125
Dry Water Years (22%)	25	0	0	0	0	0	0	0	0	0	166	54
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	49	12

Table 5B1-5-2c. Sites Release to Yolo Bypass, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	125	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	0	0	0	0	0	0	0	0	0	0	449	184
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	171	0	0	0	0	0	0	0	0	0	251	226
Wet Water Years (32%)	335	0	0	0	0	0	0	0	0	0	380	408
Above Normal Water Years (15%)	254	0	0	0	0	0	0	0	0	0	374	424
Below Normal Water Years (17%)	128	0	0	0	0	0	0	0	0	0	192	125
Dry Water Years (22%)	25	0	0	0	0	0	0	0	0	0	166	54
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	49	12

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-5-3a. Sites Release to Yolo Bypass, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-5-3b. Sites Release to Yolo Bypass, Alternative 2 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	5	0	0	0	0	0	0	0	0	0	449	464
60% Exceedance	0	0	0	0	0	0	0	0	0	0	449	89
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	207	0	0	0	0	0	0	0	0	0	281	264
Wet Water Years (32%)	380	0	0	0	0	0	0	0	0	0	380	446
Above Normal Water Years (15%)	331	0	0	0	0	0	0	0	0	0	411	463
Below Normal Water Years (17%)	152	0	0	0	0	0	0	0	0	0	224	188
Dry Water Years (22%)	55	0	0	0	0	0	0	0	0	0	160	61
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	182	63

Table 5B1-5-3c. Sites Release to Yolo Bypass, Alternative 2 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	5	0	0	0	0	0	0	0	0	0	449	464
60% Exceedance	0	0	0	0	0	0	0	0	0	0	449	89
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	207	0	0	0	0	0	0	0	0	0	281	264
Wet Water Years (32%)	380	0	0	0	0	0	0	0	0	0	380	446
Above Normal Water Years (15%)	331	0	0	0	0	0	0	0	0	0	411	463
Below Normal Water Years (17%)	152	0	0	0	0	0	0	0	0	0	224	188
Dry Water Years (22%)	55	0	0	0	0	0	0	0	0	0	160	61
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	182	63

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-5-4a. Sites Release to Yolo Bypass, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-5-4b. Sites Release to Yolo Bypass, Alternative 3 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	399	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	0	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	0	0	0	0	0	0	0	0	0	0	449	110
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	151	0	0	0	0	0	0	0	0	0	245	220
Wet Water Years (32%)	288	0	0	0	0	0	0	0	0	0	380	392
Above Normal Water Years (15%)	185	0	0	0	0	0	0	0	0	0	374	407
Below Normal Water Years (17%)	130	0	0	0	0	0	0	0	0	0	160	143
Dry Water Years (22%)	50	0	0	0	0	0	0	0	0	0	168	55
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	41	0

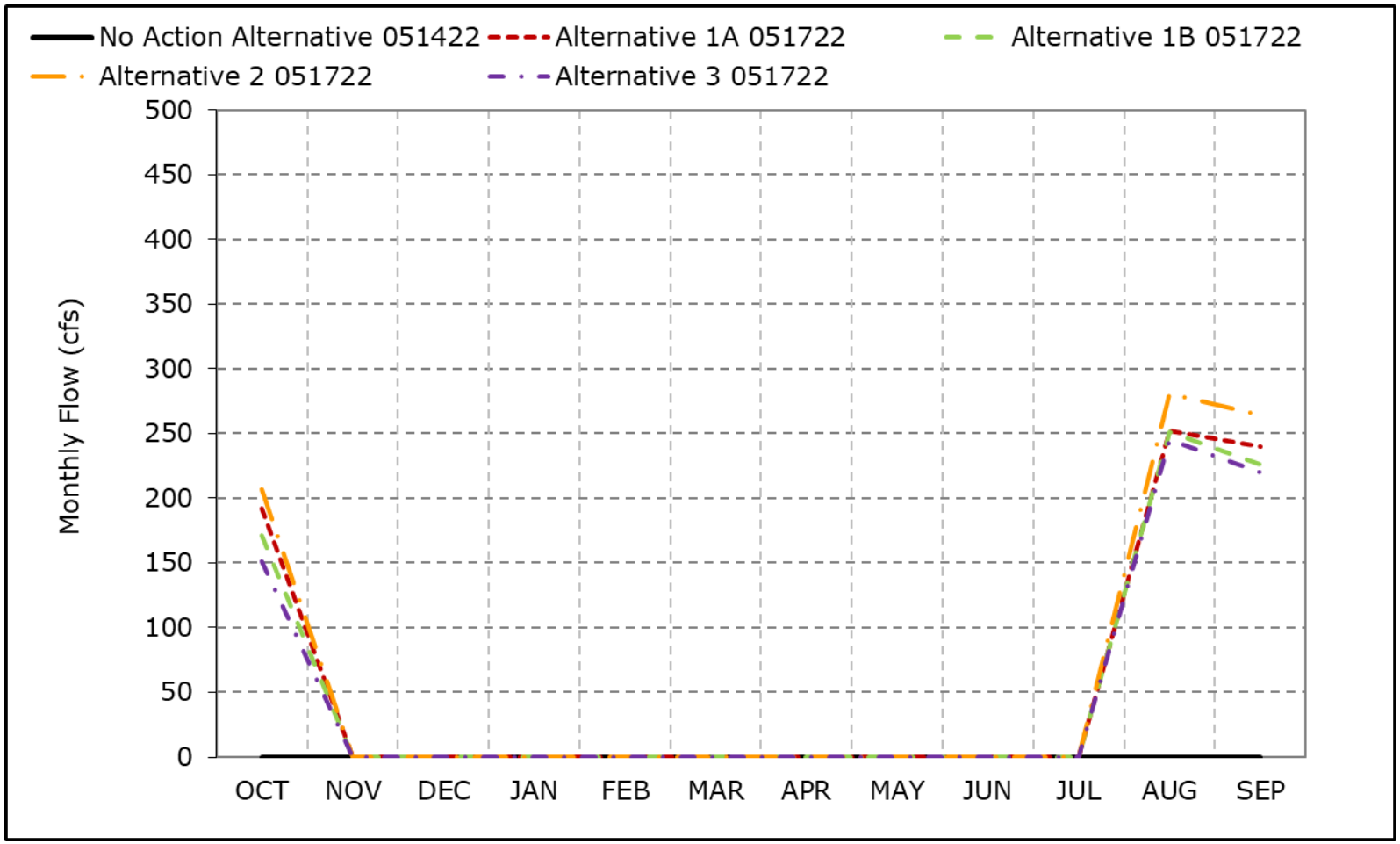
Table 5B1-5-4c. Sites Release to Yolo Bypass, Alternative 3 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
20% Exceedance	449	0	0	0	0	0	0	0	0	0	449	464
30% Exceedance	399	0	0	0	0	0	0	0	0	0	449	464
40% Exceedance	0	0	0	0	0	0	0	0	0	0	449	464
50% Exceedance	0	0	0	0	0	0	0	0	0	0	449	110
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	151	0	0	0	0	0	0	0	0	0	245	220
Wet Water Years (32%)	288	0	0	0	0	0	0	0	0	0	380	392
Above Normal Water Years (15%)	185	0	0	0	0	0	0	0	0	0	374	407
Below Normal Water Years (17%)	130	0	0	0	0	0	0	0	0	0	160	143
Dry Water Years (22%)	50	0	0	0	0	0	0	0	0	0	168	55
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	41	0

[a] Based on the 82-year simulation period.

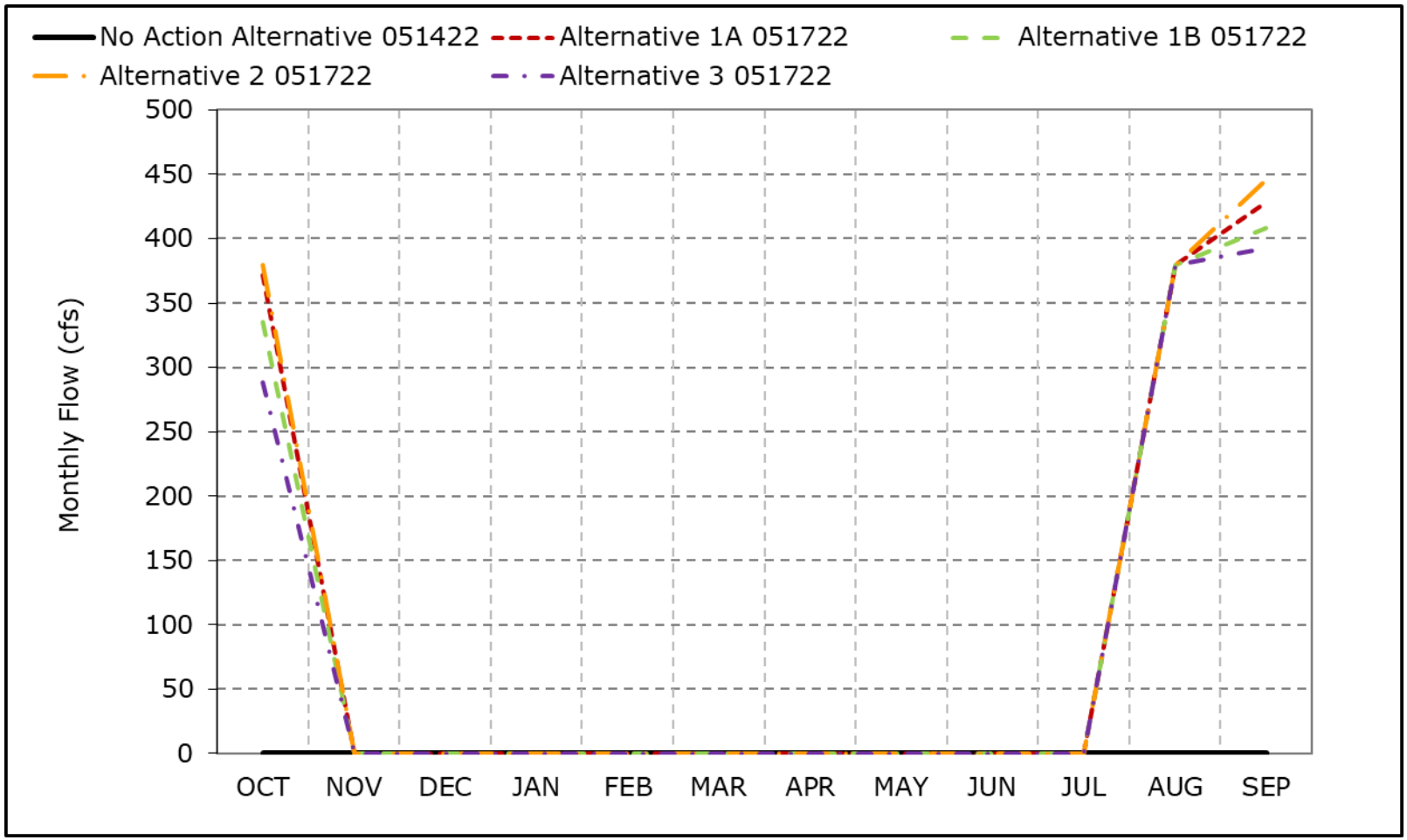
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-5-1. Sites Release to Yolo Bypass, Long-Term Average Flow



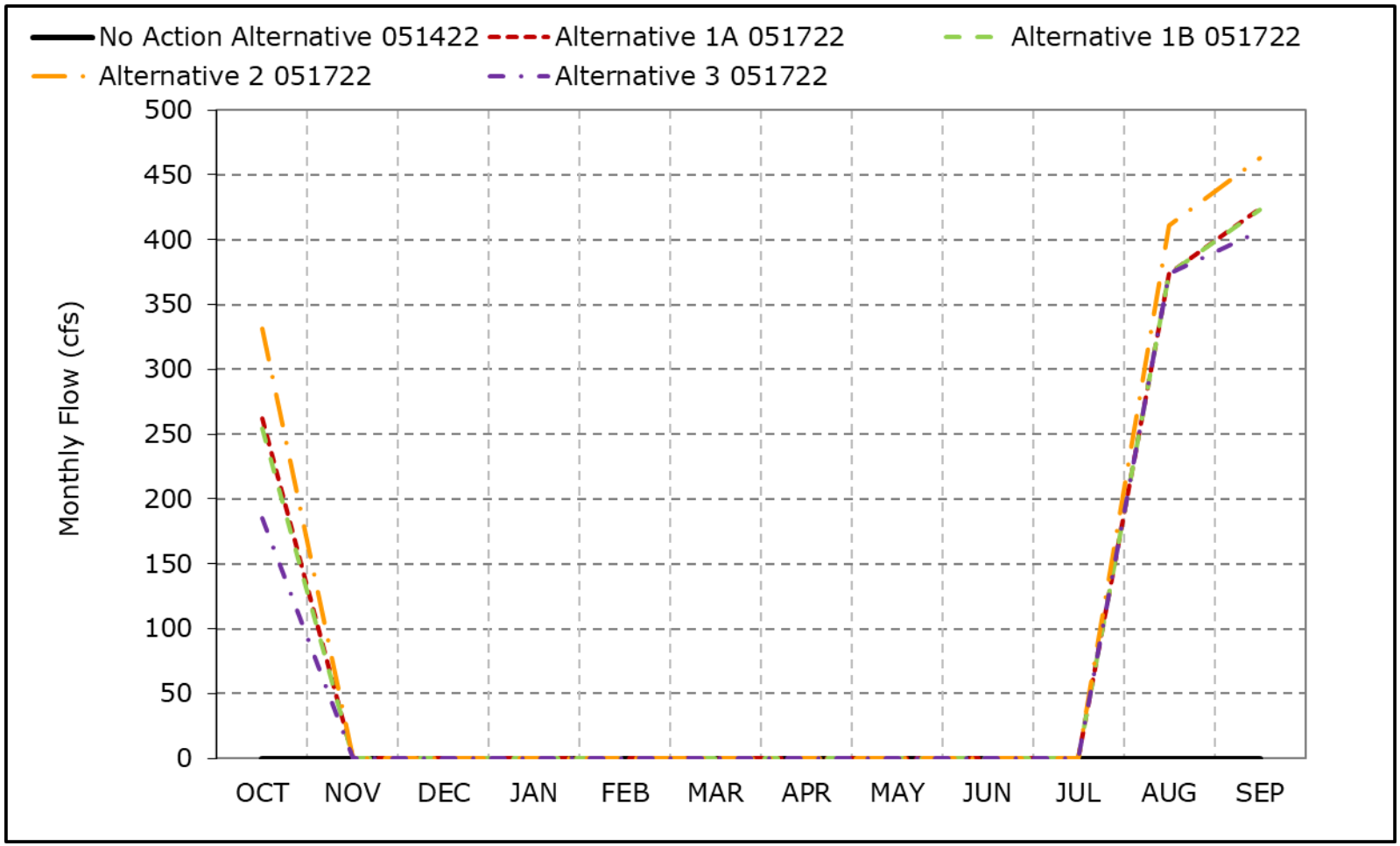
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-2. Sites Release to Yolo Bypass, Wet Year Average Flow



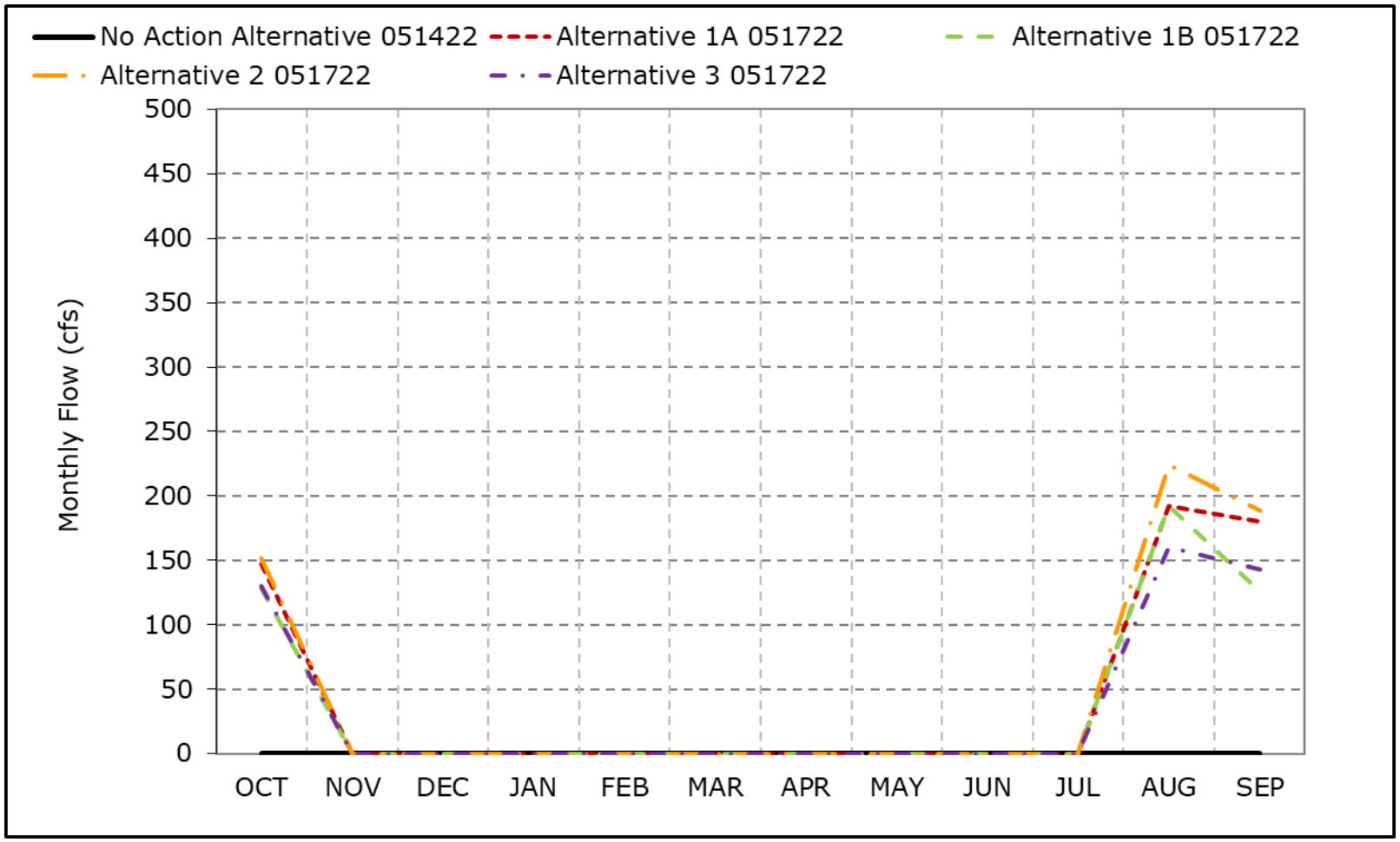
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-3. Sites Release to Yolo Bypass, Above Normal Year Average Flow



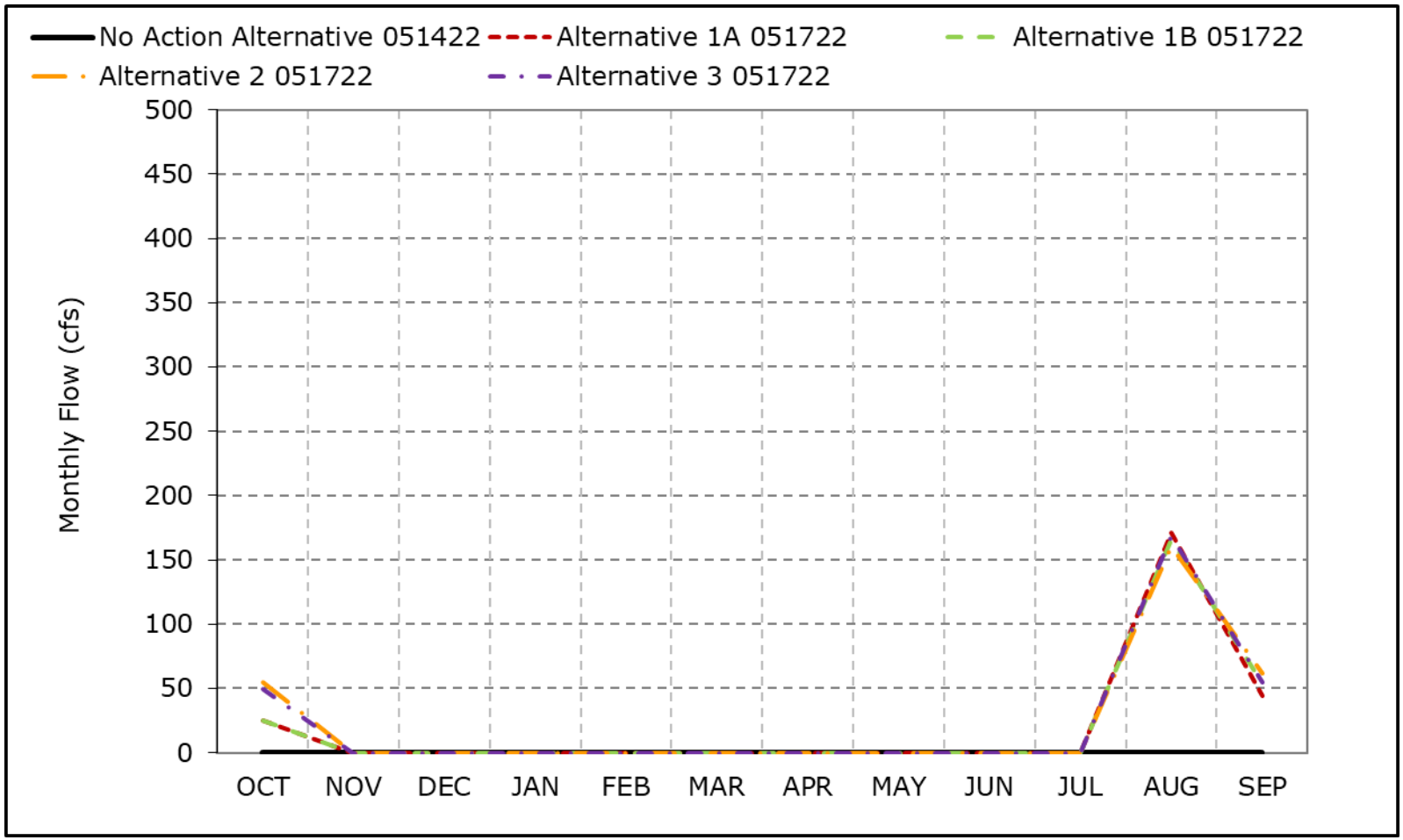
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-4. Sites Release to Yolo Bypass, Below Normal Year Average Flow



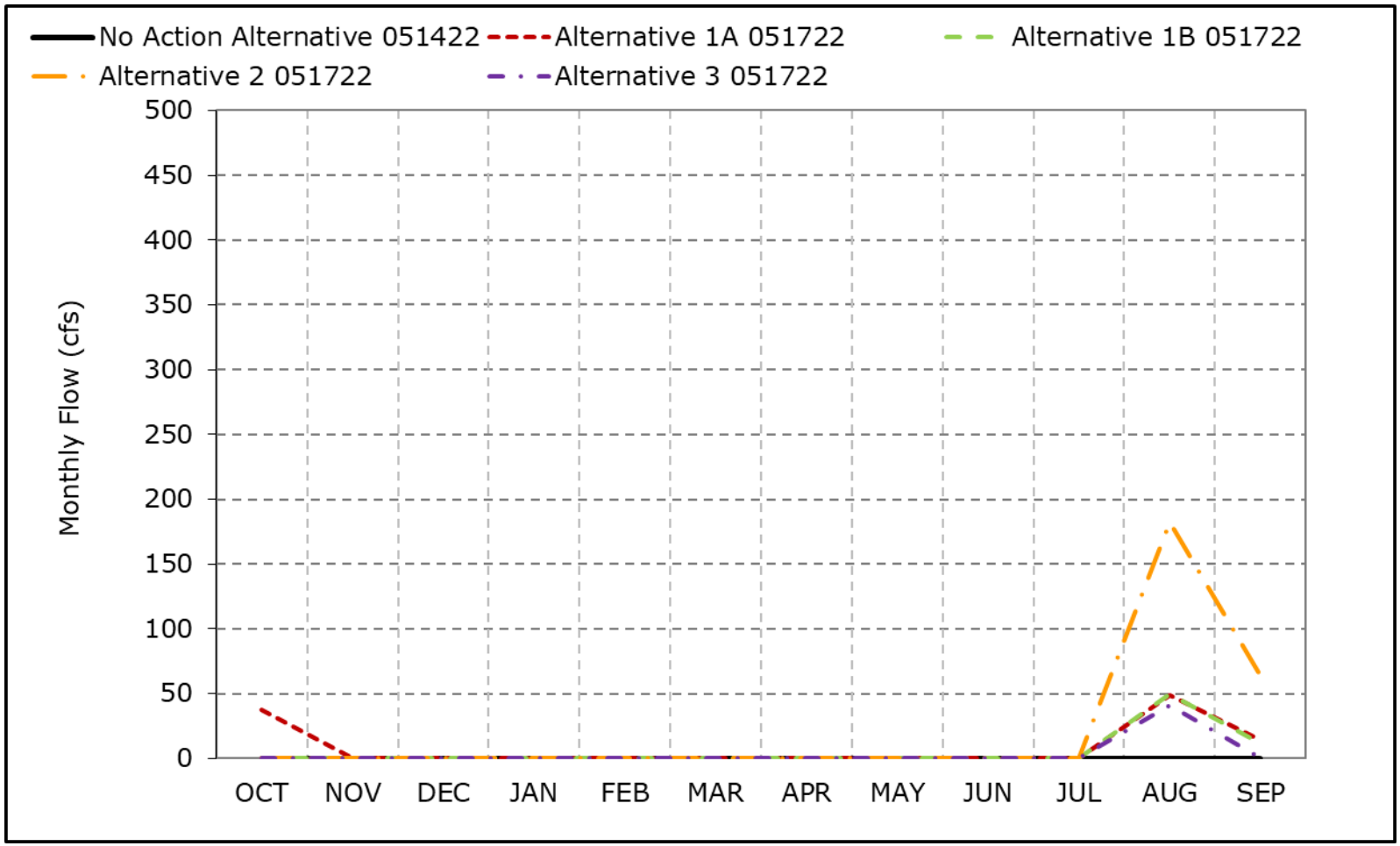
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-5. Sites Release to Yolo Bypass, Dry Year Average Flow



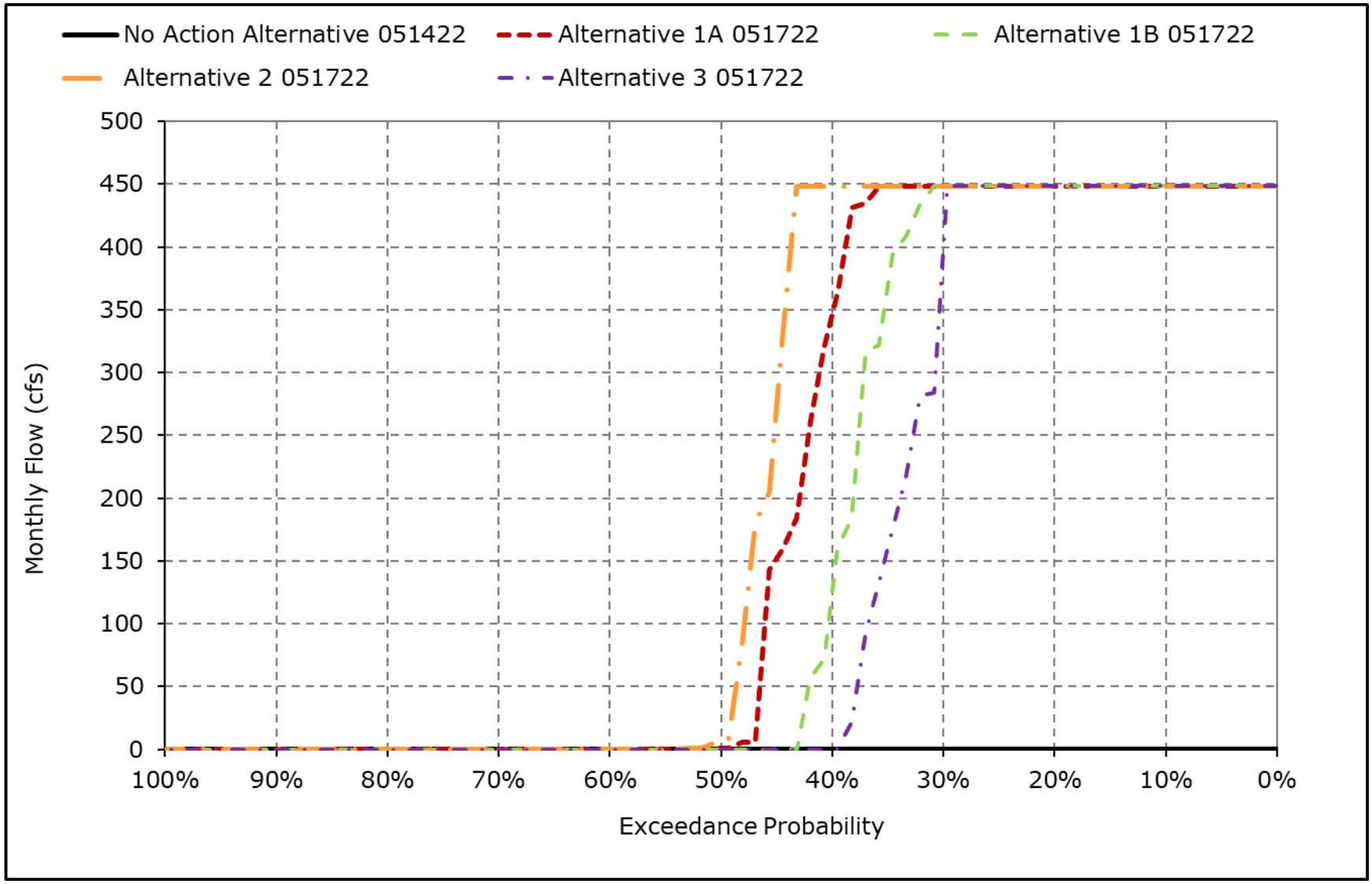
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-6. Sites Release to Yolo Bypass, Critical Year Average Flow



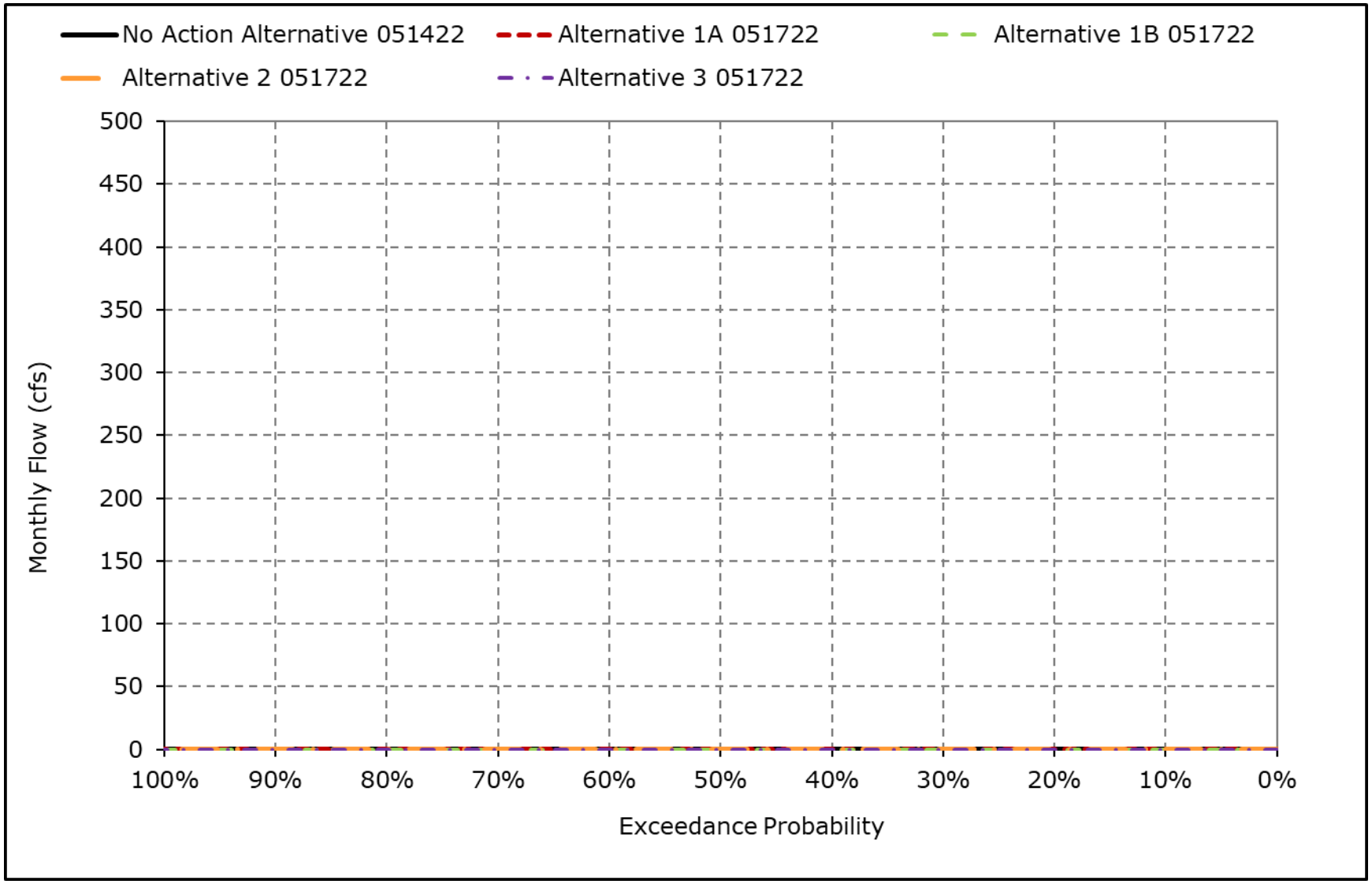
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-7. Sites Release to Yolo Bypass, October



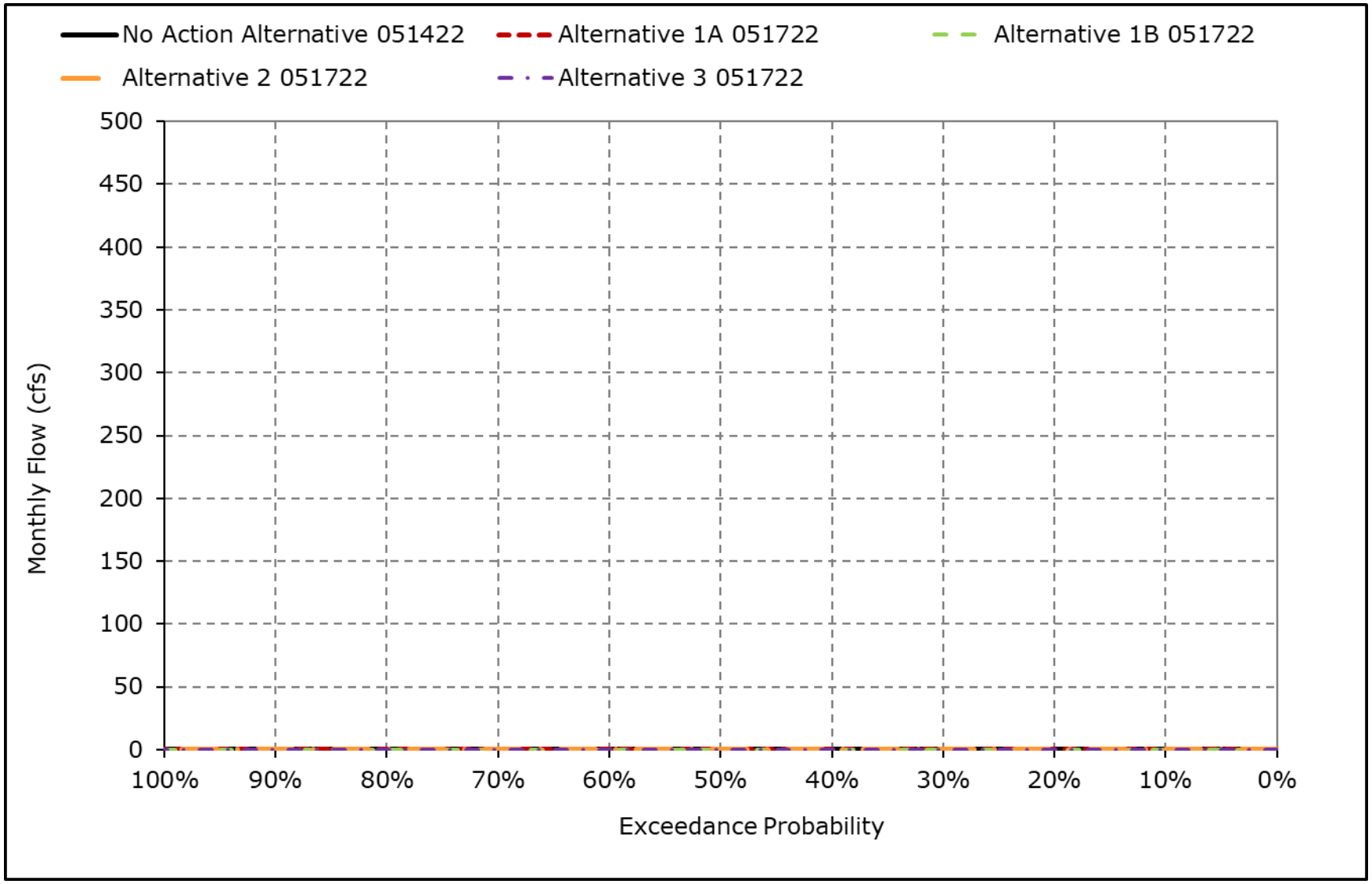
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-8. Sites Release to Yolo Bypass, November



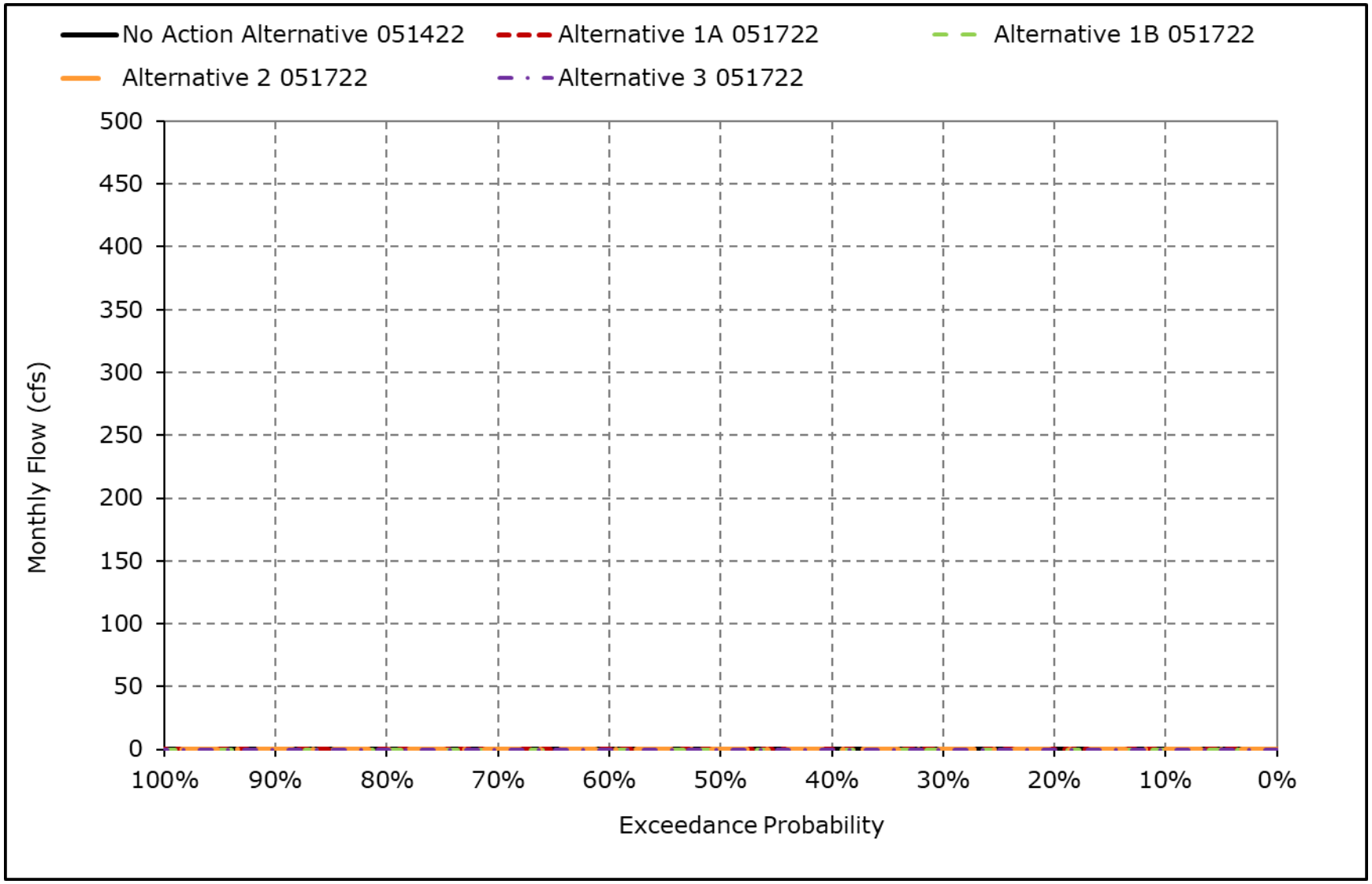
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-9. Sites Release to Yolo Bypass, December



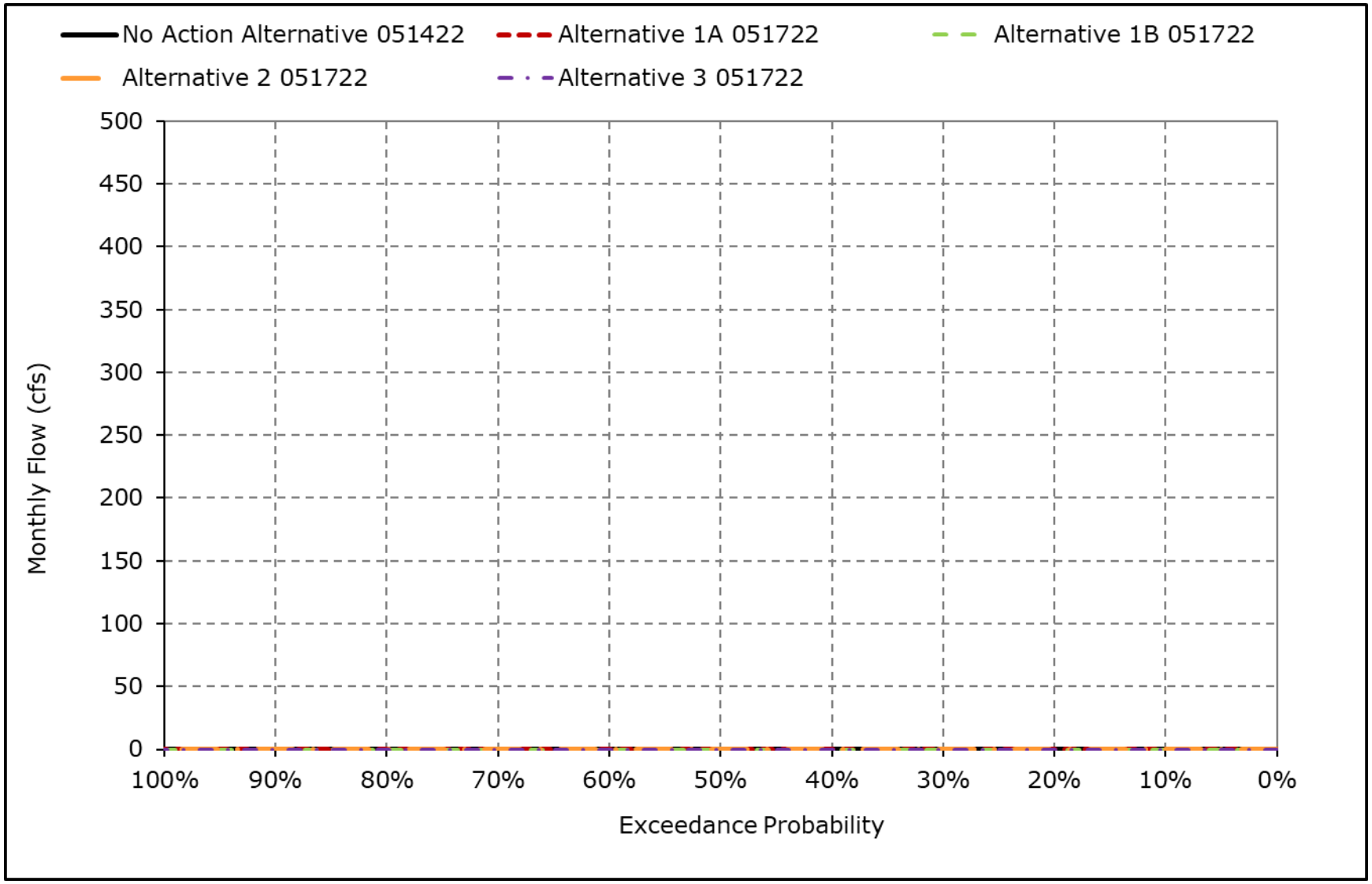
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-10. Sites Release to Yolo Bypass, January



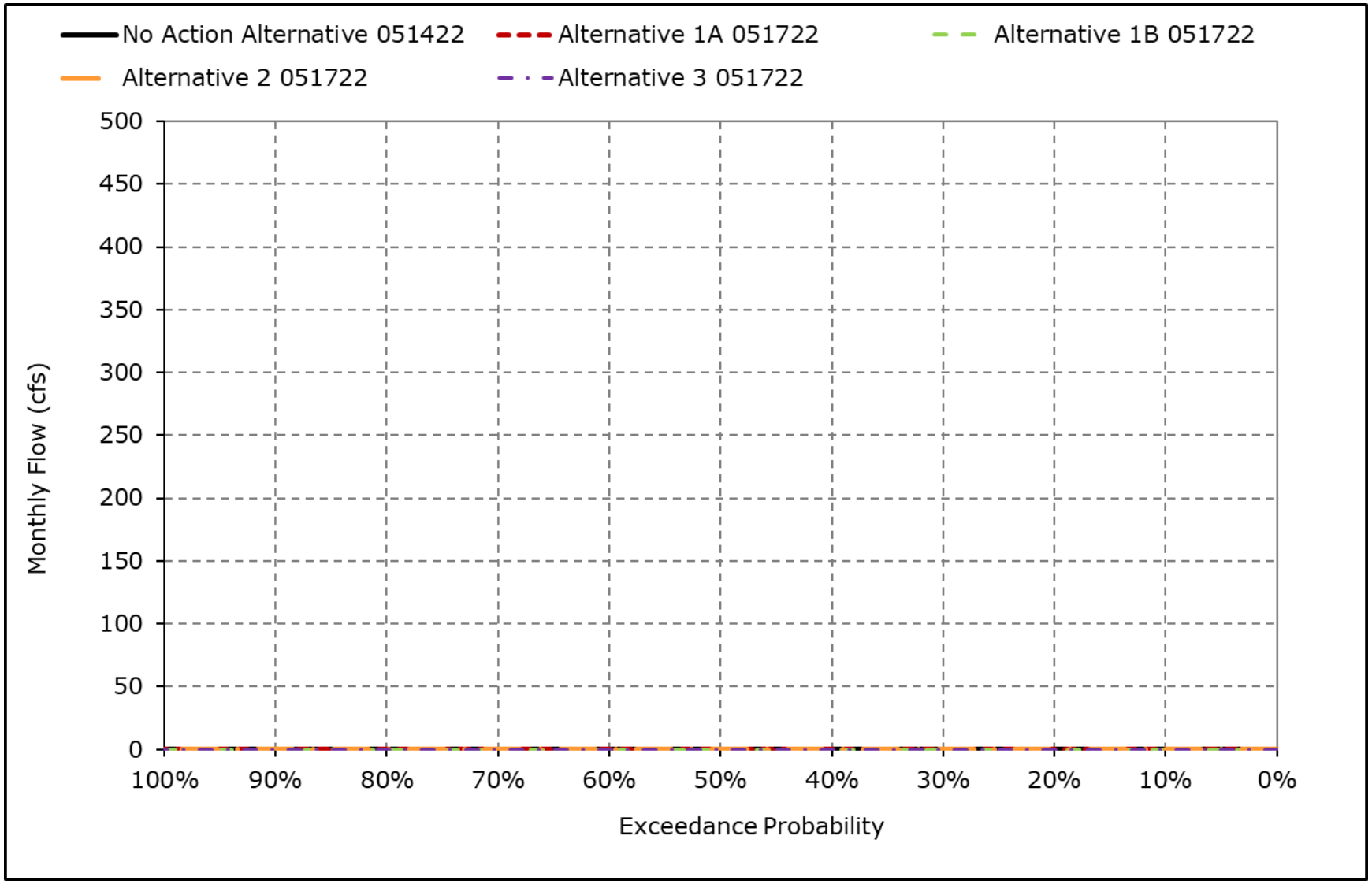
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-11. Sites Release to Yolo Bypass, February



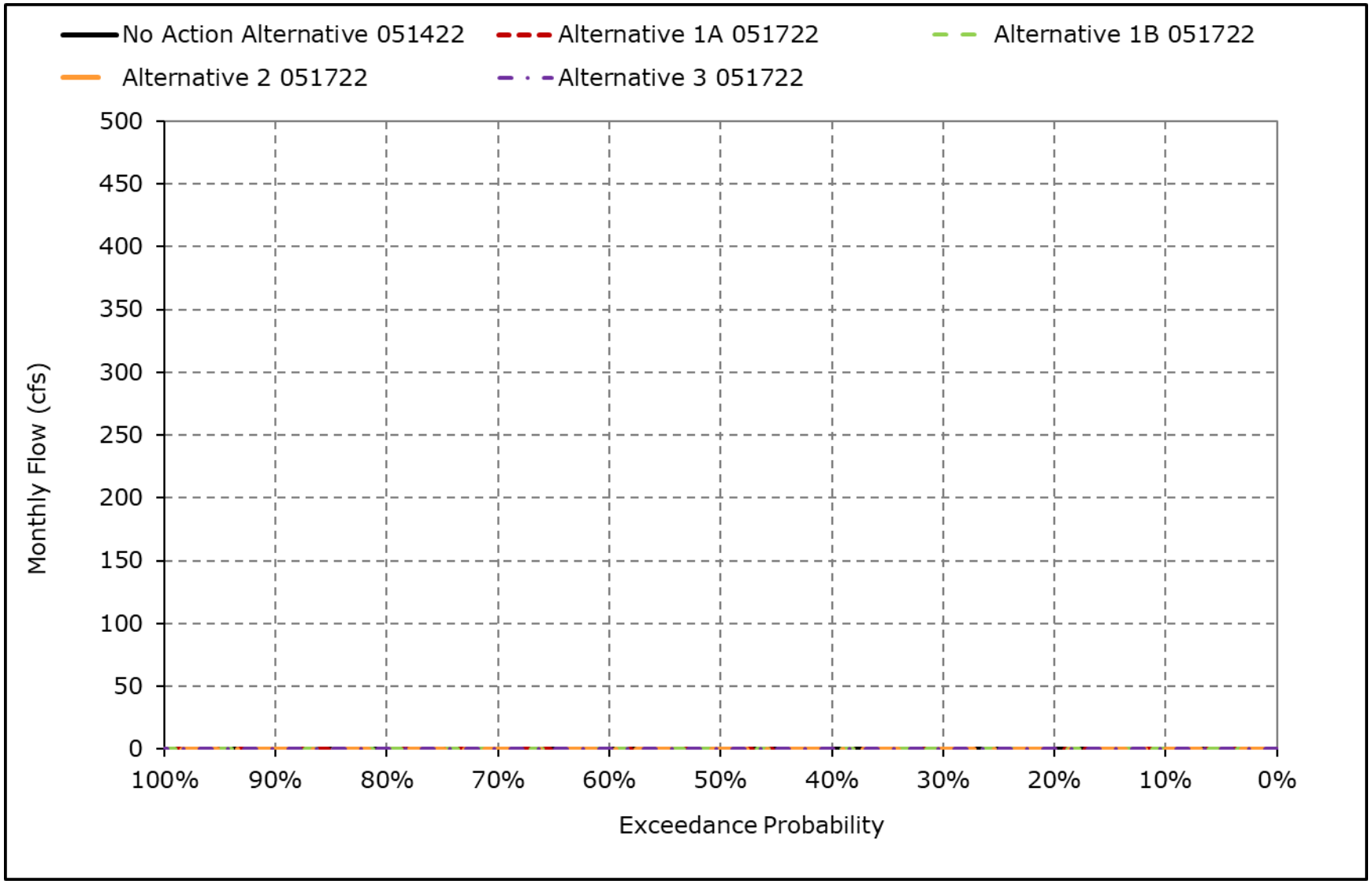
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-12. Sites Release to Yolo Bypass, March



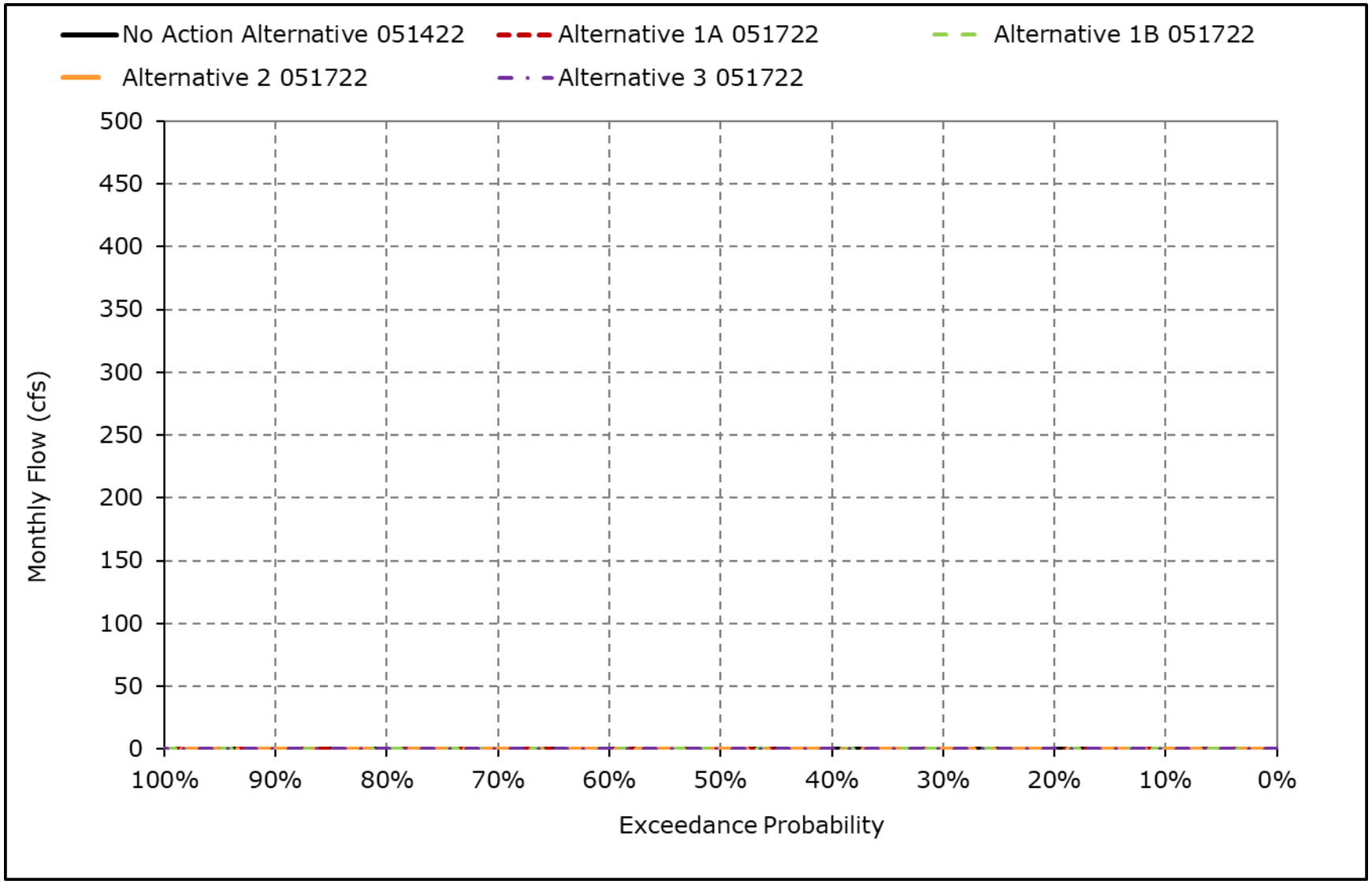
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-13. Sites Release to Yolo Bypass, April



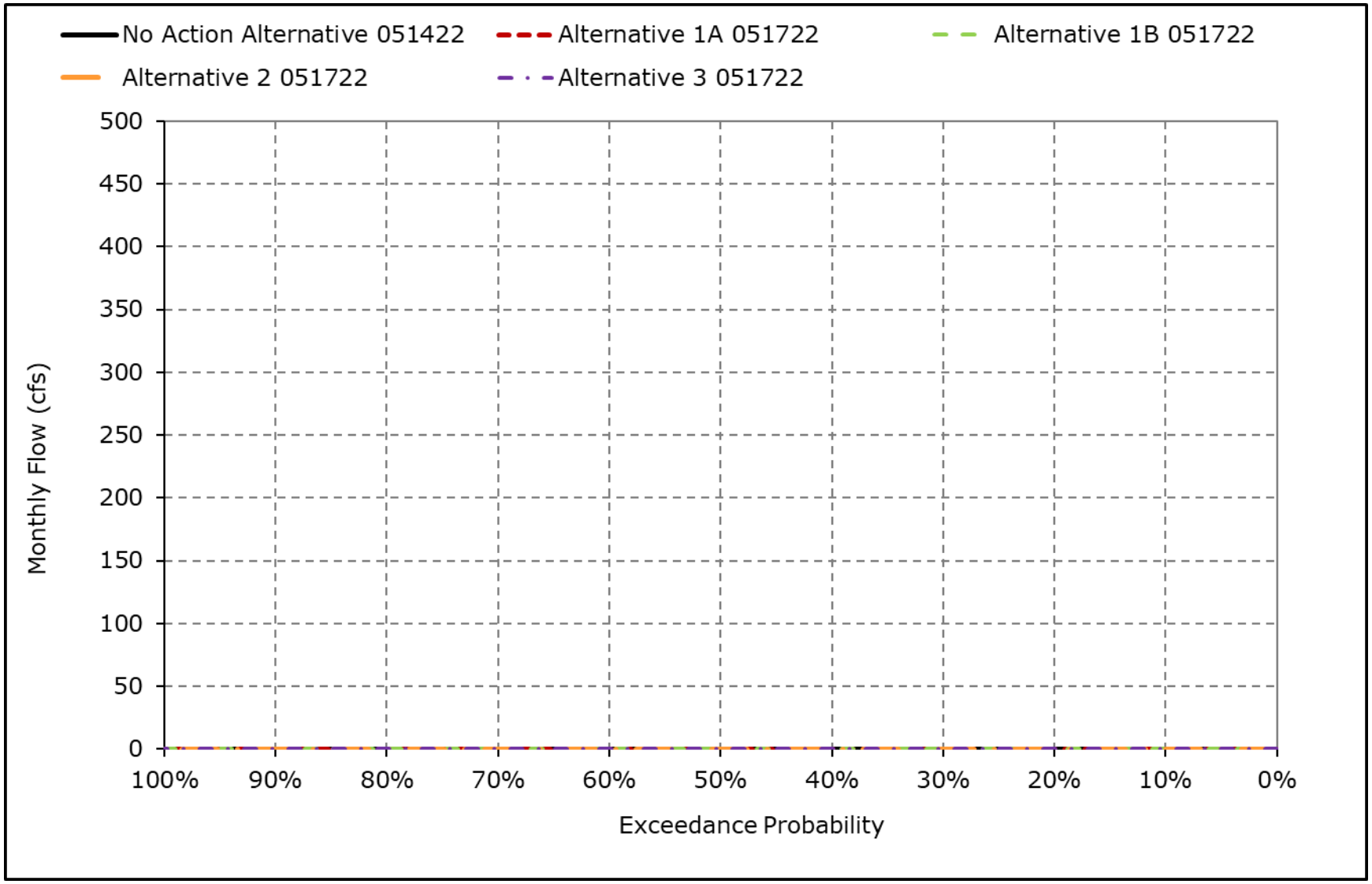
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-14. Sites Release to Yolo Bypass, May



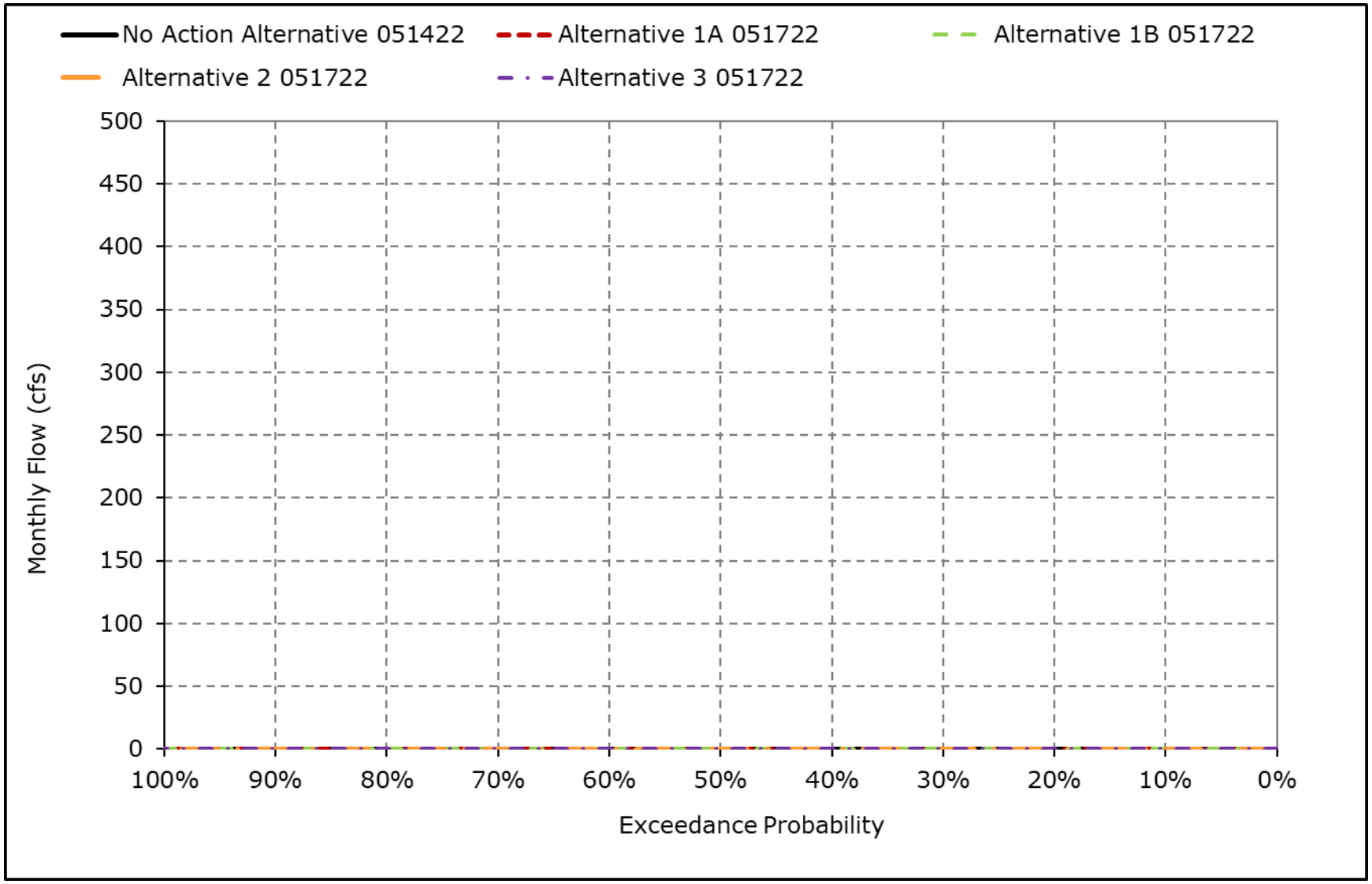
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-15. Sites Release to Yolo Bypass, June



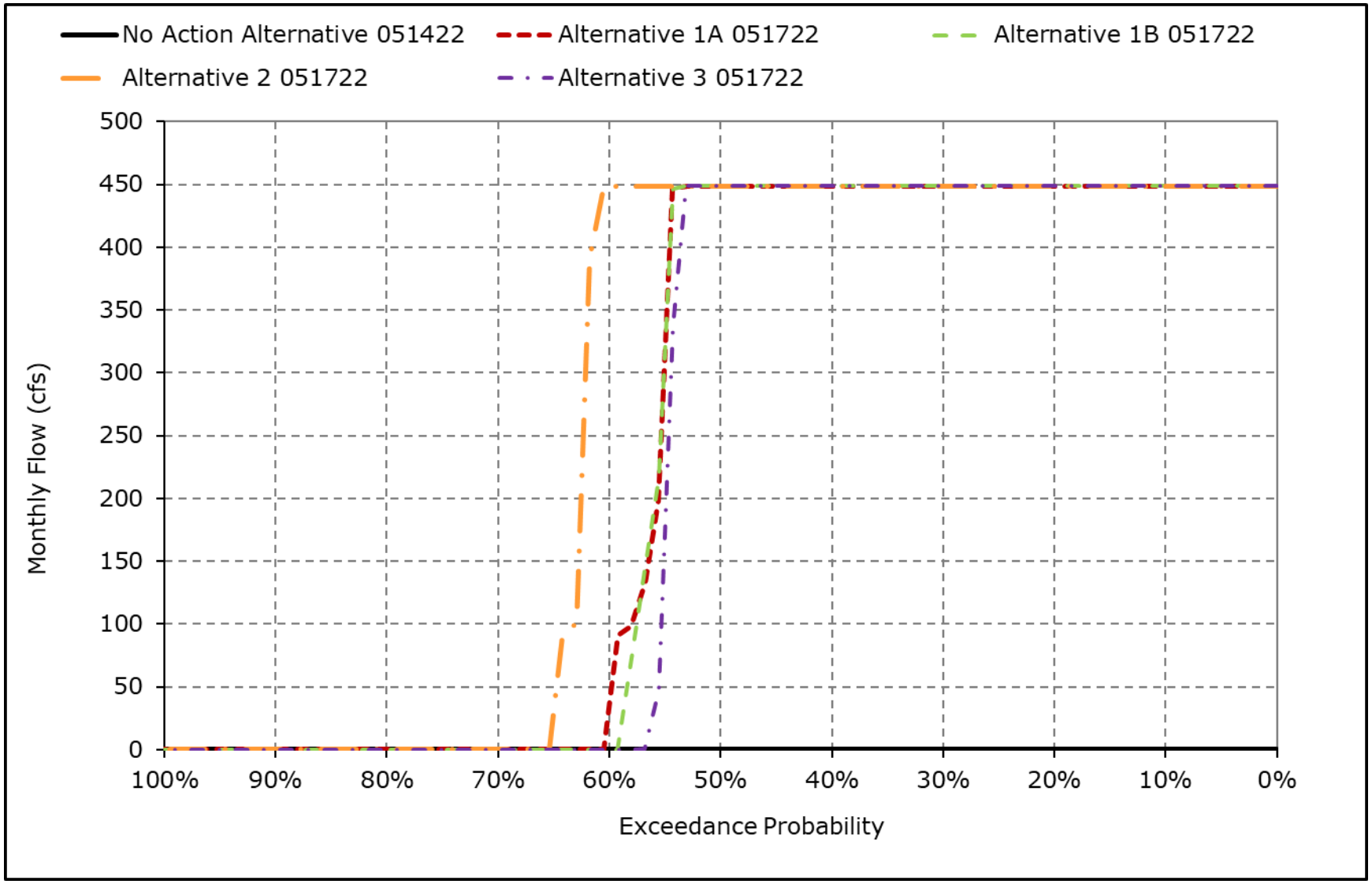
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-16. Sites Release to Yolo Bypass, July



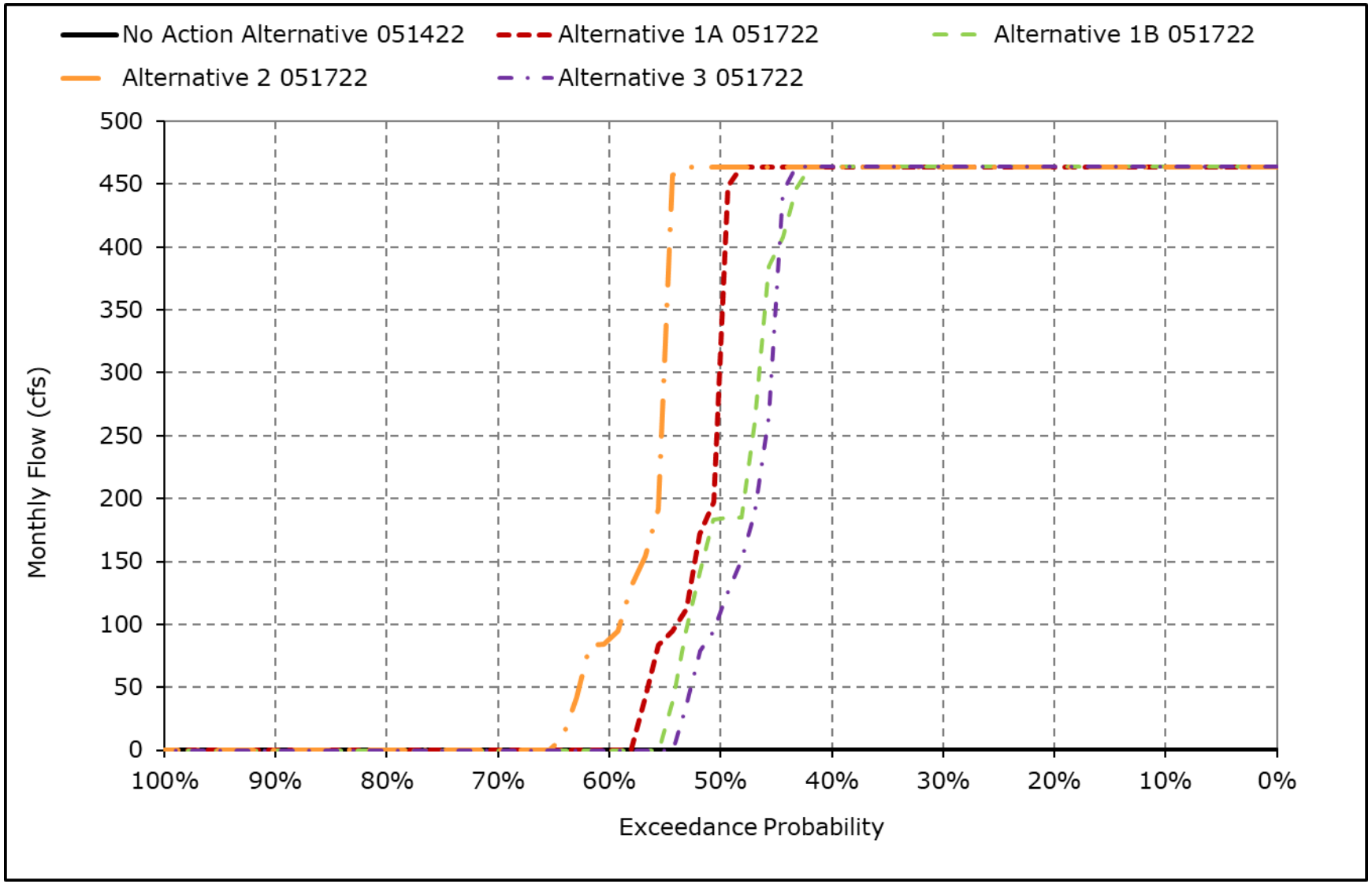
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-17. Sites Release to Yolo Bypass, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-5-18. Sites Release to Yolo Bypass, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-6-1a. Total Sites Release, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-6-1b. Total Sites Release, Alternative 1A 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,260	852	92	0	0	14	187	250	1,202	1,916	1,841	1,313
20% Exceedance	1,031	336	0	0	0	3	114	173	772	1,397	1,643	1,203
30% Exceedance	489	119	0	0	0	0	68	39	348	689	1,145	942
40% Exceedance	449	29	0	0	0	0	43	0	125	490	619	586
50% Exceedance	449	0	0	0	0	0	27	0	42	113	510	496
60% Exceedance	449	0	0	0	0	0	5	0	42	41	489	477
70% Exceedance	227	0	0	0	0	0	0	0	34	41	489	464
80% Exceedance	60	0	0	0	0	0	0	0	0	41	140	285
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	60
Full Simulation Period Average[a]	520	211	23	0	0	10	107	115	377	576	794	658
Wet Water Years (32%)	373	0	0	1	0	1	10	8	30	48	425	476
Above Normal Water Years (15%)	299	73	27	0	1	1	9	0	20	197	699	749
Below Normal Water Years (17%)	603	322	46	0	0	7	44	40	187	508	597	441
Dry Water Years (22%)	949	576	33	0	0	9	87	113	841	1,330	1,456	1,037
Critical Water Years (15%)	318	129	27	0	1	41	515	550	1,013	1,052	923	647

Table 5B1-6-1c. Total Sites Release, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,260	852	92	0	0	14	187	250	1,202	1,916	1,841	1,313
20% Exceedance	1,031	336	0	0	0	3	114	173	772	1,397	1,643	1,203
30% Exceedance	489	119	0	0	0	0	68	39	348	689	1,145	942
40% Exceedance	449	29	0	0	0	0	43	0	125	490	619	586
50% Exceedance	449	0	0	0	0	0	27	0	42	113	510	496
60% Exceedance	449	0	0	0	0	0	5	0	42	41	489	477
70% Exceedance	227	0	0	0	0	0	0	0	34	41	489	464
80% Exceedance	60	0	0	0	0	0	0	0	0	41	140	285
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	60
Full Simulation Period Average[a]	520	211	23	0	0	10	107	115	377	576	794	658
Wet Water Years (32%)	373	0	0	1	0	1	10	8	30	48	425	476
Above Normal Water Years (15%)	299	73	27	0	1	1	9	0	20	197	699	749
Below Normal Water Years (17%)	603	322	46	0	0	7	44	40	187	508	597	441
Dry Water Years (22%)	949	576	33	0	0	9	87	113	841	1,330	1,456	1,037
Critical Water Years (15%)	318	129	27	0	1	41	515	550	1,013	1,052	923	647

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-6-2a. Total Sites Release, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-6-2b. Total Sites Release, Alternative 1B 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,249	823	88	0	0	14	328	1,183	1,568	1,941	1,831	1,313
20% Exceedance	1,014	336	0	0	0	4	126	466	1,241	1,371	1,490	1,123
30% Exceedance	489	68	0	0	0	1	76	180	855	694	808	812
40% Exceedance	449	29	0	0	0	0	43	24	529	553	519	536
50% Exceedance	449	0	0	0	0	0	29	0	246	278	489	490
60% Exceedance	329	0	0	0	0	0	8	0	42	107	489	464
70% Exceedance	190	0	0	0	0	0	0	0	35	41	489	455
80% Exceedance	52	0	0	0	0	0	0	0	0	41	149	147
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	43
Full Simulation Period Average[a]	488	195	22	0	0	10	138	253	566	606	736	606
Wet Water Years (32%)	337	0	0	0	0	1	10	8	30	87	451	482
Above Normal Water Years (15%)	295	73	27	0	1	2	9	0	812	416	560	607
Below Normal Water Years (17%)	576	382	39	0	0	7	66	350	435	427	470	314
Dry Water Years (22%)	938	466	33	0	0	9	269	492	953	1,307	1,352	1,035
Critical Water Years (15%)	229	117	24	0	1	41	430	566	1,054	1,081	917	573

Table 5B1-6-2c. Total Sites Release, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,249	823	88	0	0	14	328	1,183	1,568	1,941	1,831	1,313
20% Exceedance	1,014	336	0	0	0	4	126	466	1,241	1,371	1,490	1,123
30% Exceedance	489	68	0	0	0	1	76	180	855	694	808	812
40% Exceedance	449	29	0	0	0	0	43	24	529	553	519	536
50% Exceedance	449	0	0	0	0	0	29	0	246	278	489	490
60% Exceedance	329	0	0	0	0	0	8	0	42	107	489	464
70% Exceedance	190	0	0	0	0	0	0	0	35	41	489	455
80% Exceedance	52	0	0	0	0	0	0	0	0	41	149	147
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	43
Full Simulation Period Average[a]	488	195	22	0	0	10	138	253	566	606	736	606
Wet Water Years (32%)	337	0	0	0	0	1	10	8	30	87	451	482
Above Normal Water Years (15%)	295	73	27	0	1	2	9	0	812	416	560	607
Below Normal Water Years (17%)	576	382	39	0	0	7	66	350	435	427	470	314
Dry Water Years (22%)	938	466	33	0	0	9	269	492	953	1,307	1,352	1,035
Critical Water Years (15%)	229	117	24	0	1	41	430	566	1,054	1,081	917	573

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-6-3a. Total Sites Release, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-6-3b. Total Sites Release, Alternative 2 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,249	845	177	0	0	13	174	250	1,166	1,912	1,839	1,310
20% Exceedance	1,013	334	27	0	0	3	104	173	764	1,397	1,504	1,203
30% Exceedance	489	101	0	0	0	0	66	38	344	689	1,152	876
40% Exceedance	449	29	0	0	0	0	43	0	125	490	654	557
50% Exceedance	449	0	0	0	0	0	27	0	42	146	510	502
60% Exceedance	449	0	0	0	0	0	4	0	42	41	489	477
70% Exceedance	248	0	0	0	0	0	0	0	33	41	489	464
80% Exceedance	128	0	0	0	0	0	0	0	0	41	380	264
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	67
Full Simulation Period Average[a]	519	198	28	0	0	7	92	110	363	576	800	654
Wet Water Years (32%)	381	0	0	1	0	1	10	8	30	48	425	494
Above Normal Water Years (15%)	368	73	27	0	1	1	9	0	20	251	763	844
Below Normal Water Years (17%)	616	320	50	0	0	7	44	41	182	495	631	439
Dry Water Years (22%)	918	515	42	0	0	9	87	112	817	1,307	1,443	989
Critical Water Years (15%)	257	133	44	0	0	27	419	521	960	1,042	885	558

Table 5B1-6-3c. Total Sites Release, Alternative 2 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,249	845	177	0	0	13	174	250	1,166	1,912	1,839	1,310
20% Exceedance	1,013	334	27	0	0	3	104	173	764	1,397	1,504	1,203
30% Exceedance	489	101	0	0	0	0	66	38	344	689	1,152	876
40% Exceedance	449	29	0	0	0	0	43	0	125	490	654	557
50% Exceedance	449	0	0	0	0	0	27	0	42	146	510	502
60% Exceedance	449	0	0	0	0	0	4	0	42	41	489	477
70% Exceedance	248	0	0	0	0	0	0	0	33	41	489	464
80% Exceedance	128	0	0	0	0	0	0	0	0	41	380	264
90% Exceedance	0	0	0	0	0	0	0	0	0	41	41	67
Full Simulation Period Average[a]	519	198	28	0	0	7	92	110	363	576	800	654
Wet Water Years (32%)	381	0	0	1	0	1	10	8	30	48	425	494
Above Normal Water Years (15%)	368	73	27	0	1	1	9	0	20	251	763	844
Below Normal Water Years (17%)	616	320	50	0	0	7	44	41	182	495	631	439
Dry Water Years (22%)	918	515	42	0	0	9	87	112	817	1,307	1,443	989
Critical Water Years (15%)	257	133	44	0	0	27	419	521	960	1,042	885	558

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-6-4a. Total Sites Release, No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-6-4b. Total Sites Release, Alternative 3 051722, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,193	525	59	0	0	13	436	1,394	2,110	2,250	1,927	1,313
20% Exceedance	827	296	0	0	0	3	116	847	1,574	1,941	1,785	966
30% Exceedance	450	58	0	0	0	0	67	184	1,531	1,645	1,193	589
40% Exceedance	449	29	0	0	0	0	41	12	1,117	1,377	645	493
50% Exceedance	347	0	0	0	0	0	25	0	242	496	499	476
60% Exceedance	181	0	0	0	0	0	0	0	42	294	489	464
70% Exceedance	60	0	0	0	0	0	0	0	34	41	489	164
80% Exceedance	0	0	0	0	0	0	0	0	0	41	148	75
90% Exceedance	0	0	0	0	0	0	0	0	0	38	23	23
Full Simulation Period Average[a]	417	157	20	0	0	7	138	348	796	937	841	536
Wet Water Years (32%)	289	0	0	1	0	1	10	7	29	86	450	466
Above Normal Water Years (15%)	219	50	27	0	0	1	9	0	998	1,727	1,373	682
Below Normal Water Years (17%)	538	411	36	0	0	7	107	402	1,084	998	751	364
Dry Water Years (22%)	779	292	30	0	0	9	232	795	1,447	1,496	1,267	903
Critical Water Years (15%)	211	106	26	0	0	27	437	701	942	1,079	619	193

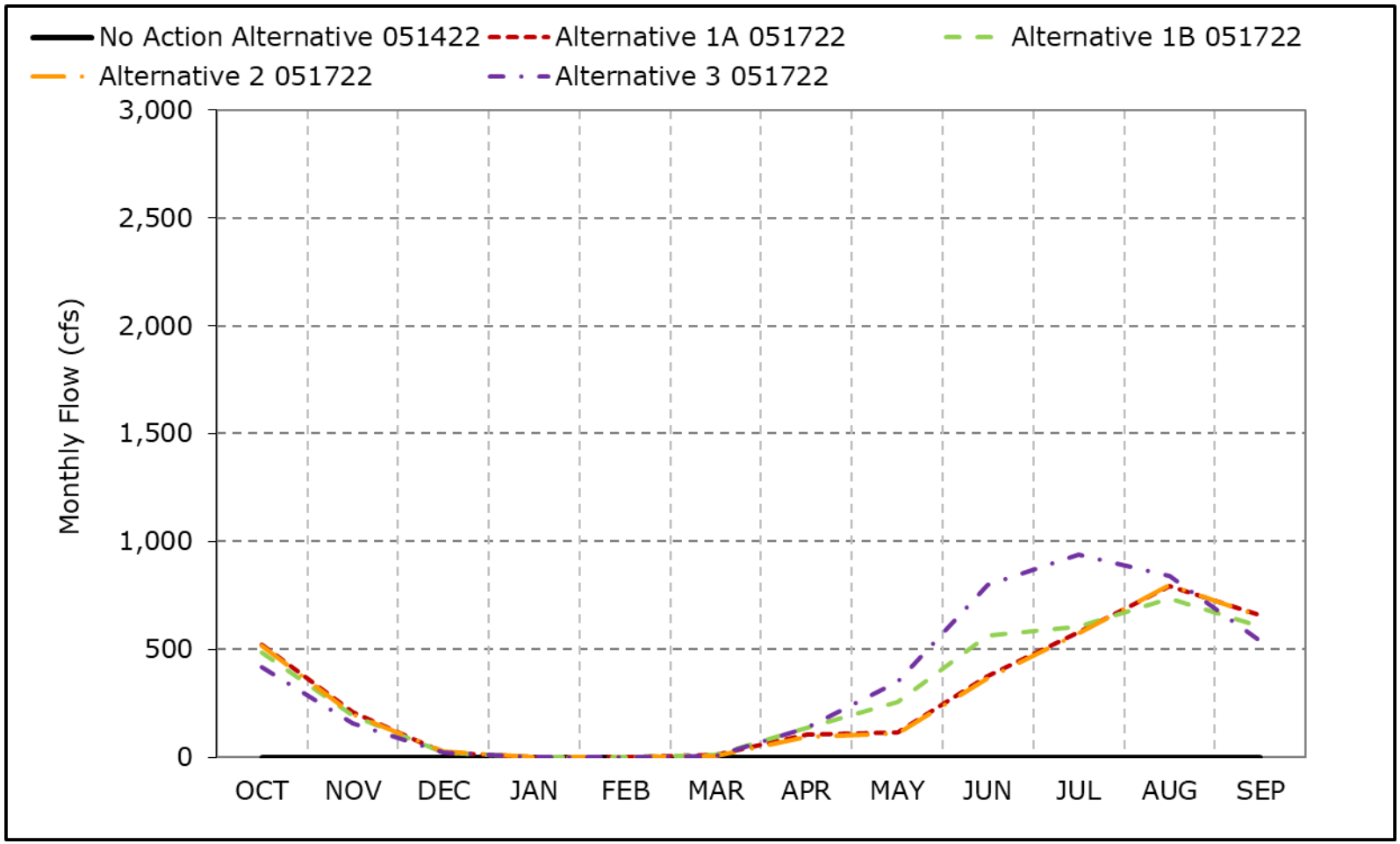
Table 5B1-6-4c. Total Sites Release, Alternative 3 051722 minus No Action Alternative 051422, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,193	525	59	0	0	13	436	1,394	2,110	2,250	1,927	1,313
20% Exceedance	827	296	0	0	0	3	116	847	1,574	1,941	1,785	966
30% Exceedance	450	58	0	0	0	0	67	184	1,531	1,645	1,193	589
40% Exceedance	449	29	0	0	0	0	41	12	1,117	1,377	645	493
50% Exceedance	347	0	0	0	0	0	25	0	242	496	499	476
60% Exceedance	181	0	0	0	0	0	0	0	42	294	489	464
70% Exceedance	60	0	0	0	0	0	0	0	34	41	489	164
80% Exceedance	0	0	0	0	0	0	0	0	0	41	148	75
90% Exceedance	0	0	0	0	0	0	0	0	0	38	23	23
Full Simulation Period Average[a]	417	157	20	0	0	7	138	348	796	937	841	536
Wet Water Years (32%)	289	0	0	1	0	1	10	7	29	86	450	466
Above Normal Water Years (15%)	219	50	27	0	0	1	9	0	998	1,727	1,373	682
Below Normal Water Years (17%)	538	411	36	0	0	7	107	402	1,084	998	751	364
Dry Water Years (22%)	779	292	30	0	0	9	232	795	1,447	1,496	1,267	903
Critical Water Years (15%)	211	106	26	0	0	27	437	701	942	1,079	619	193

[a] Based on the 82-year simulation period.

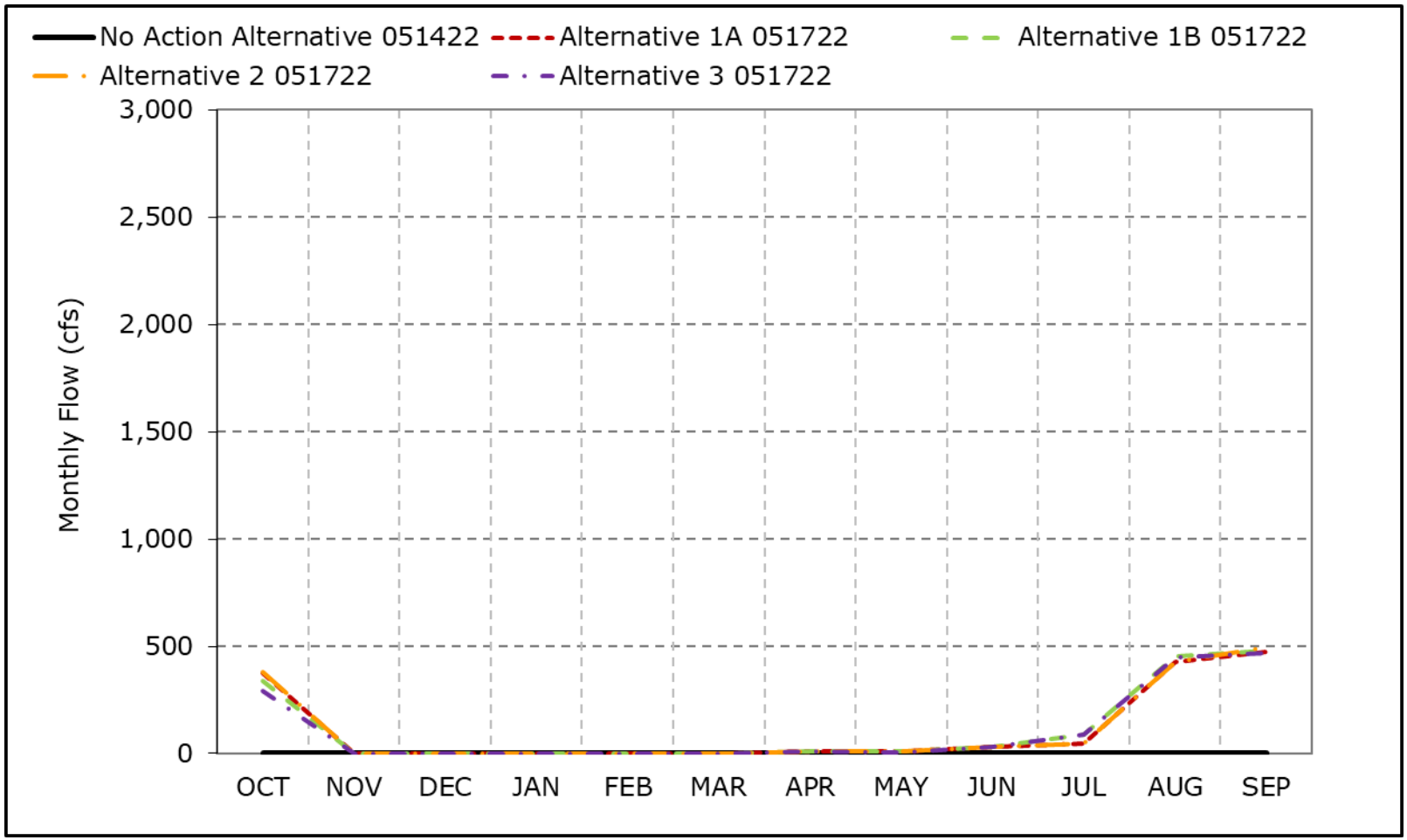
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-6-1. Total Sites Release, Long-Term Average Flow



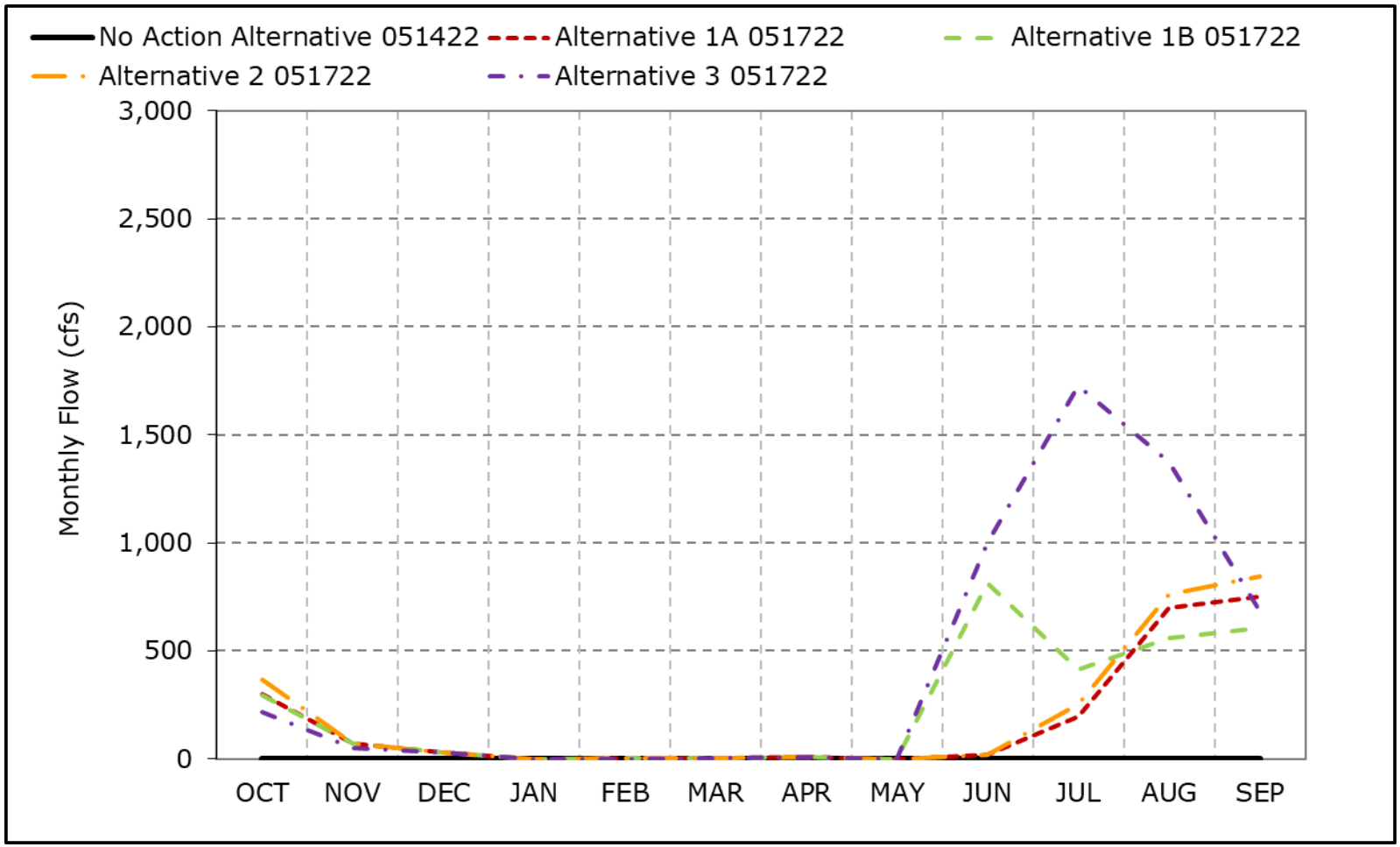
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-2. Total Sites Release, Wet Year Average Flow



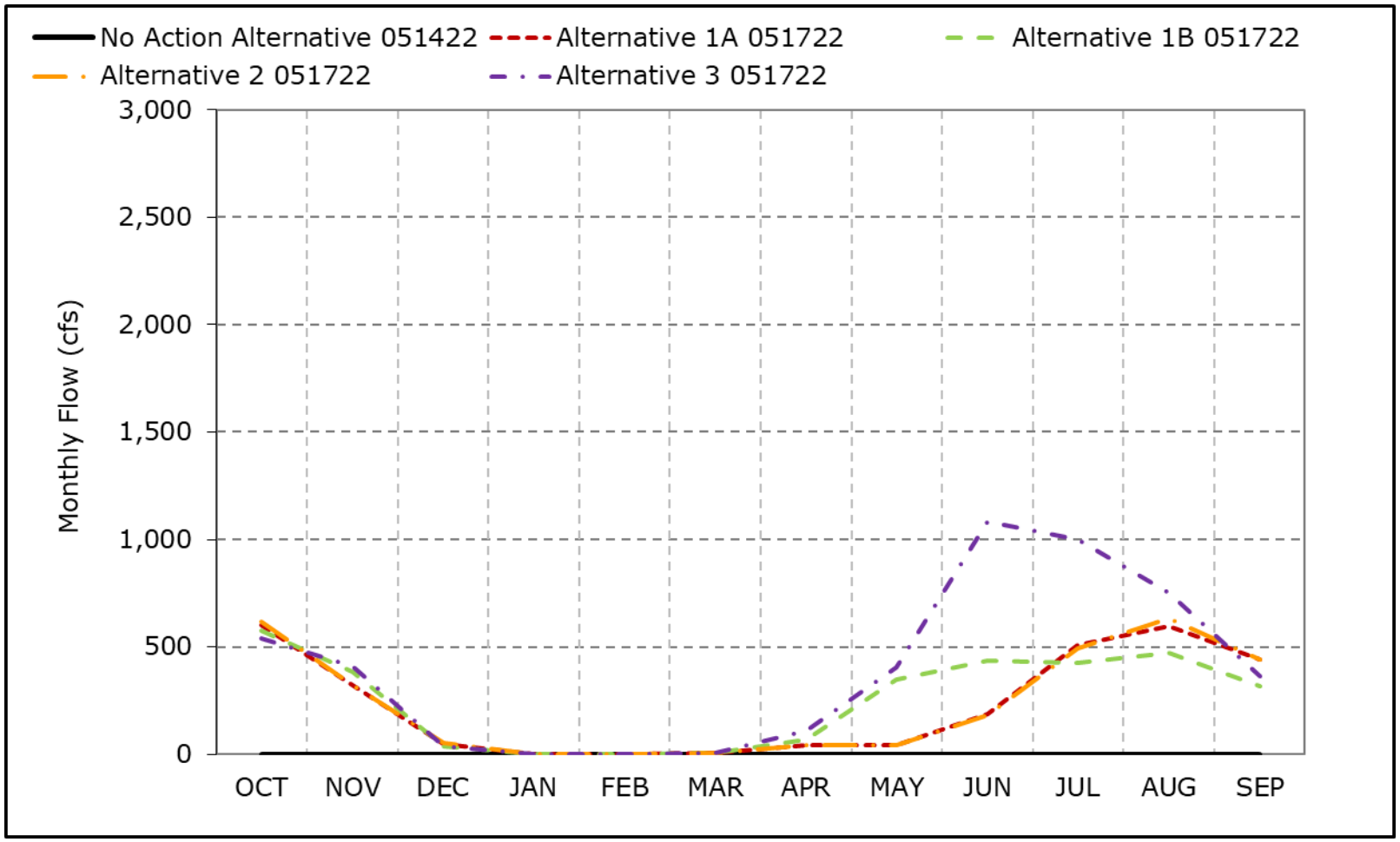
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-3. Total Sites Release, Above Normal Year Average Flow



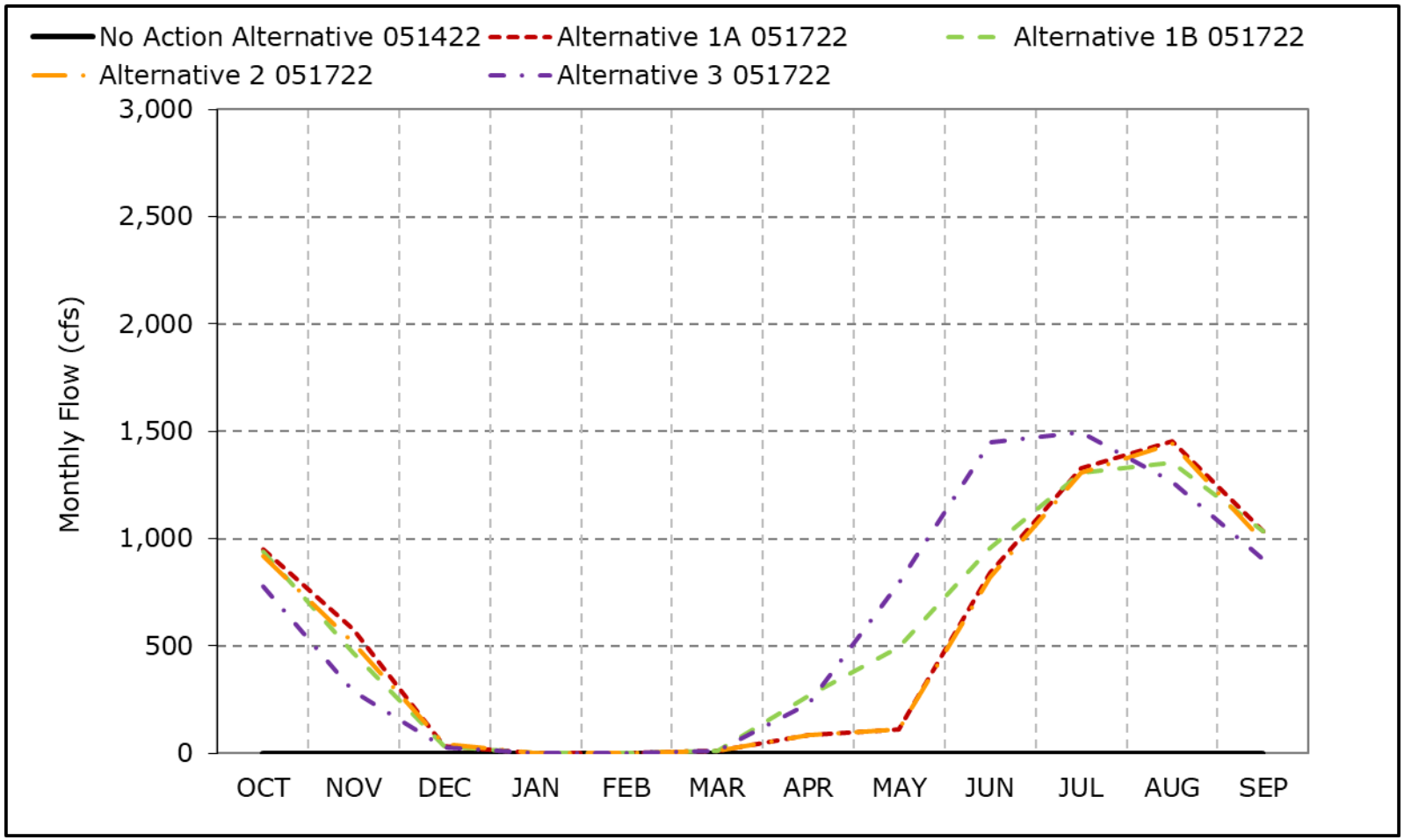
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-4. Total Sites Release, Below Normal Year Average Flow



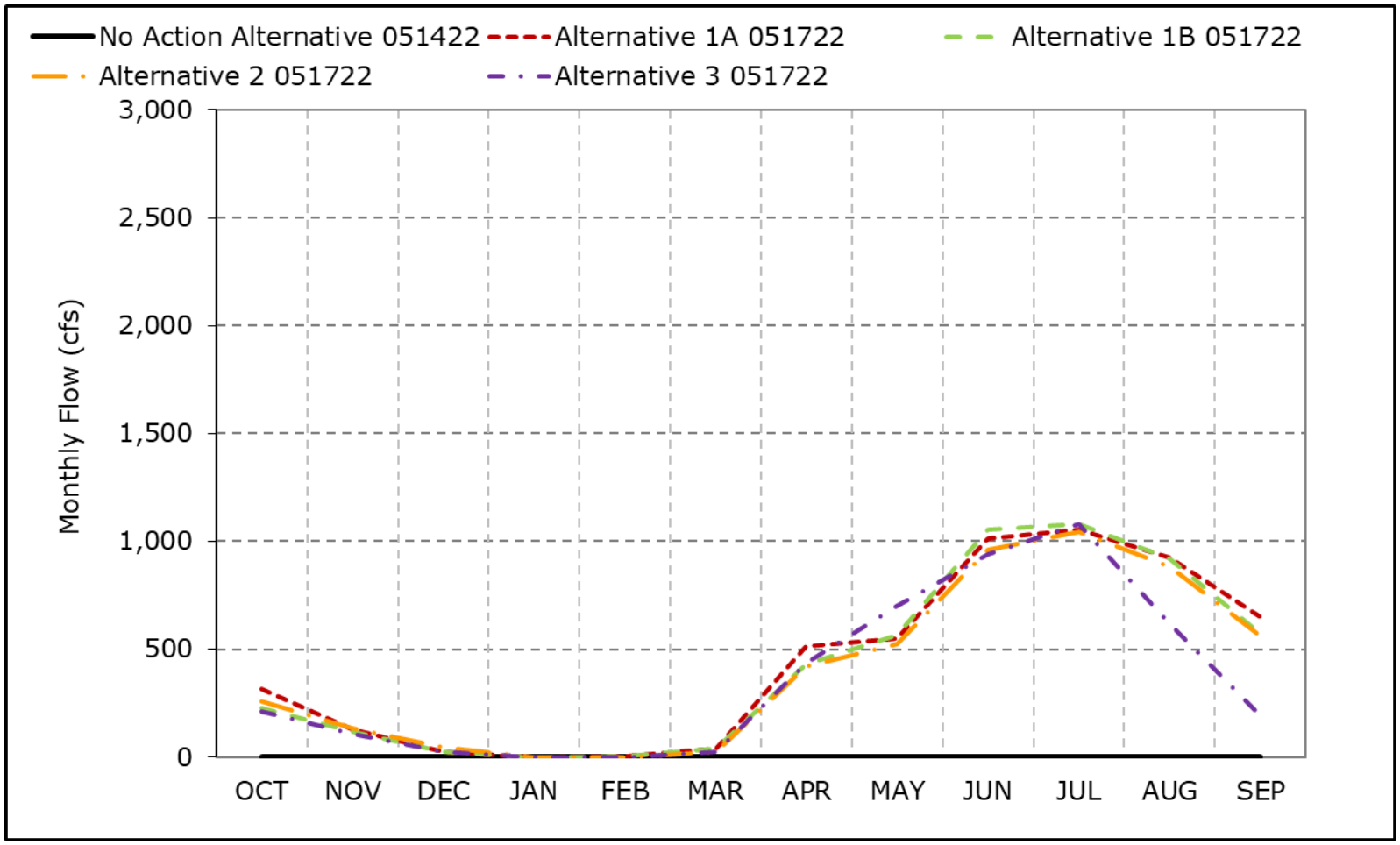
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-5. Total Sites Release, Dry Year Average Flow



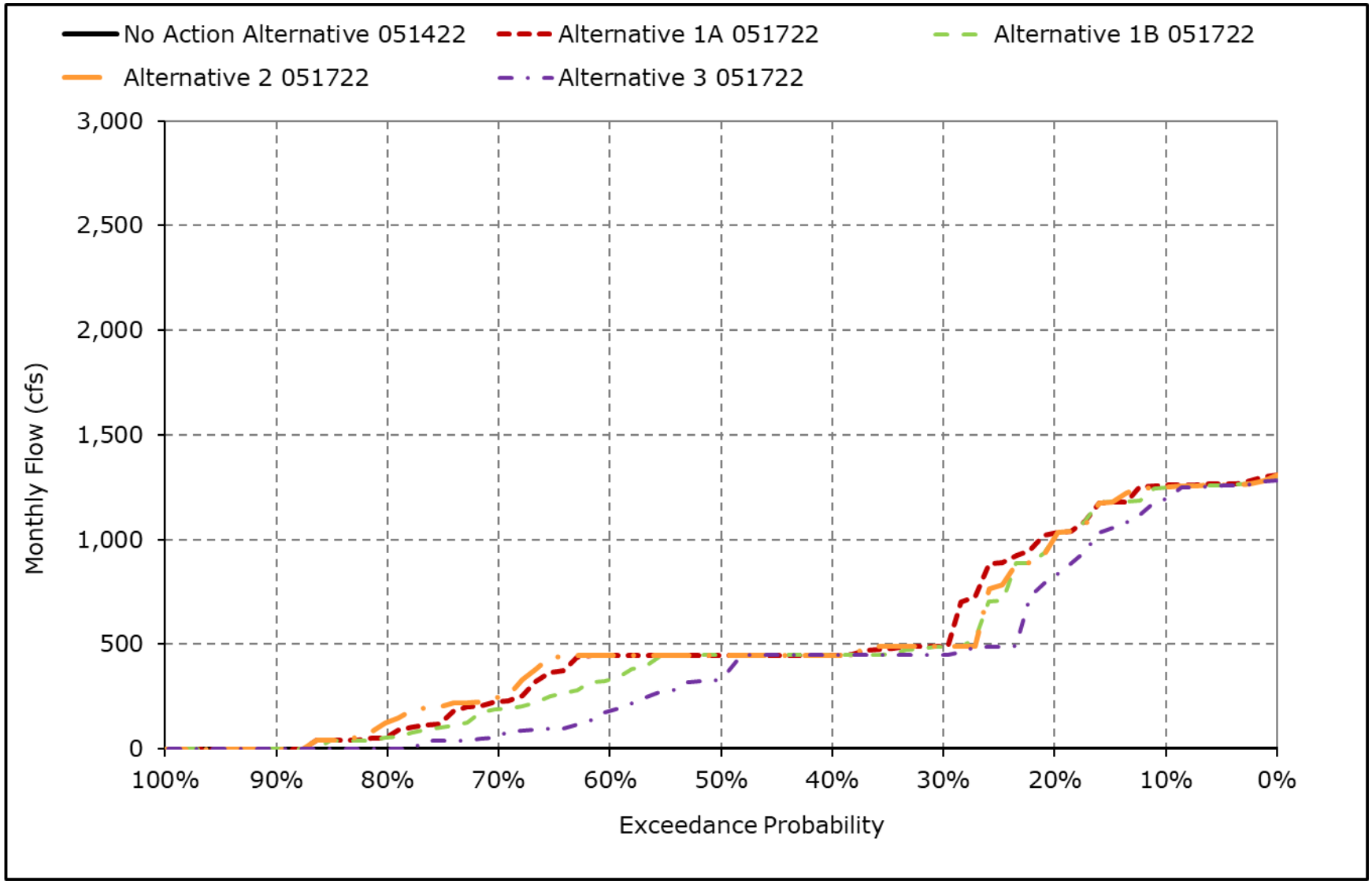
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-6. Total Sites Release, Critical Year Average Flow



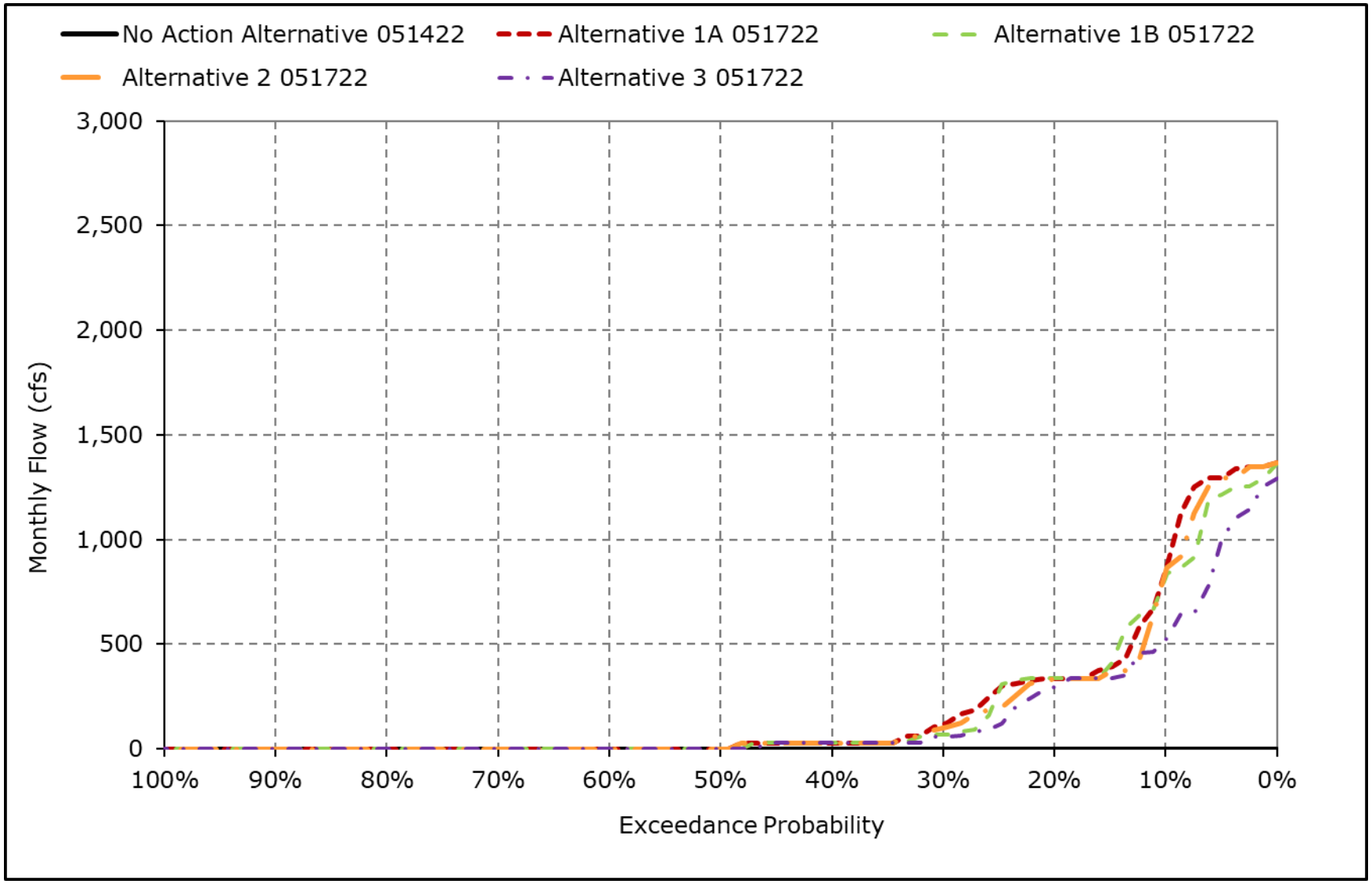
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-7. Total Sites Release, October



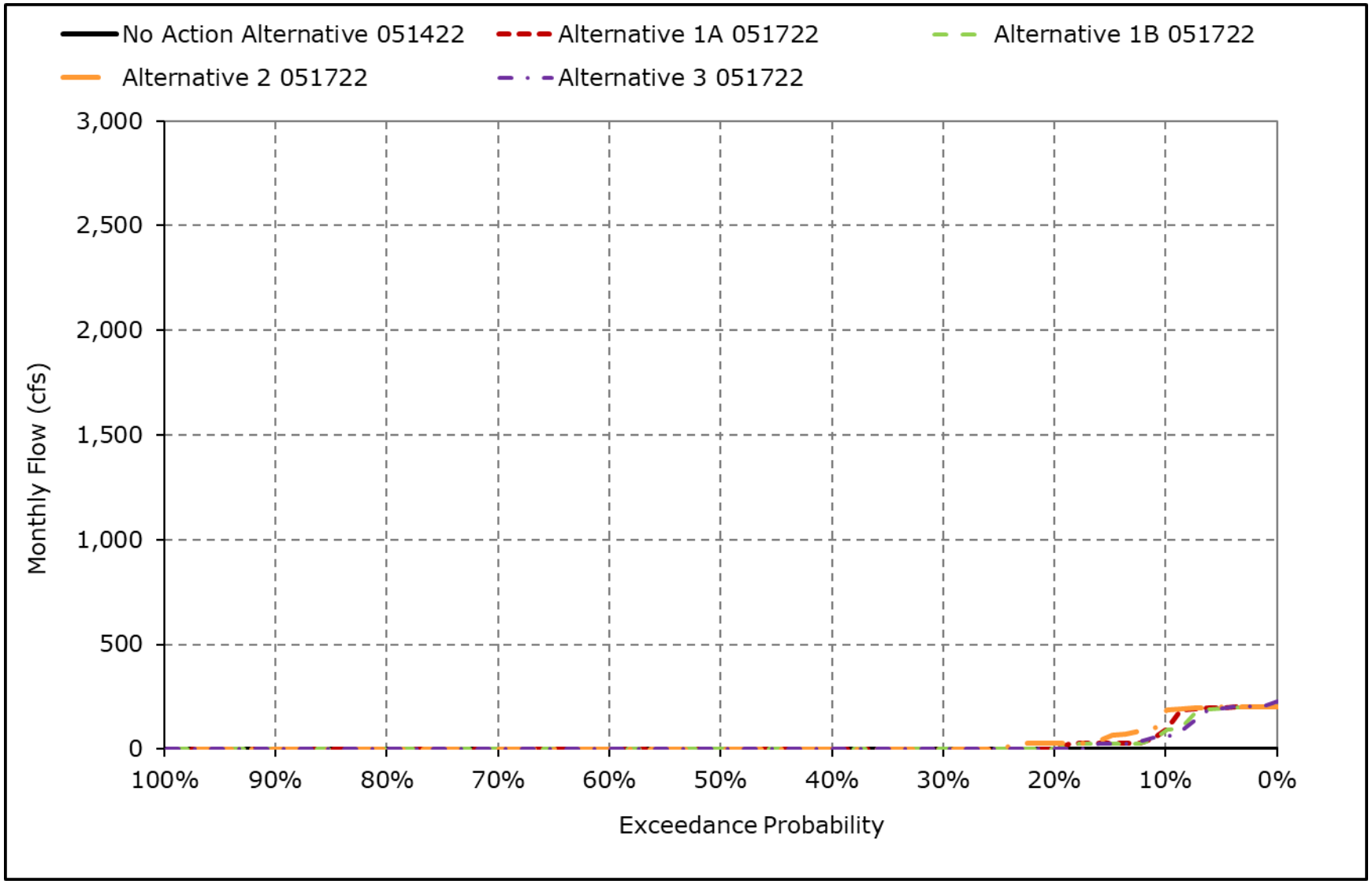
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-8. Total Sites Release, November



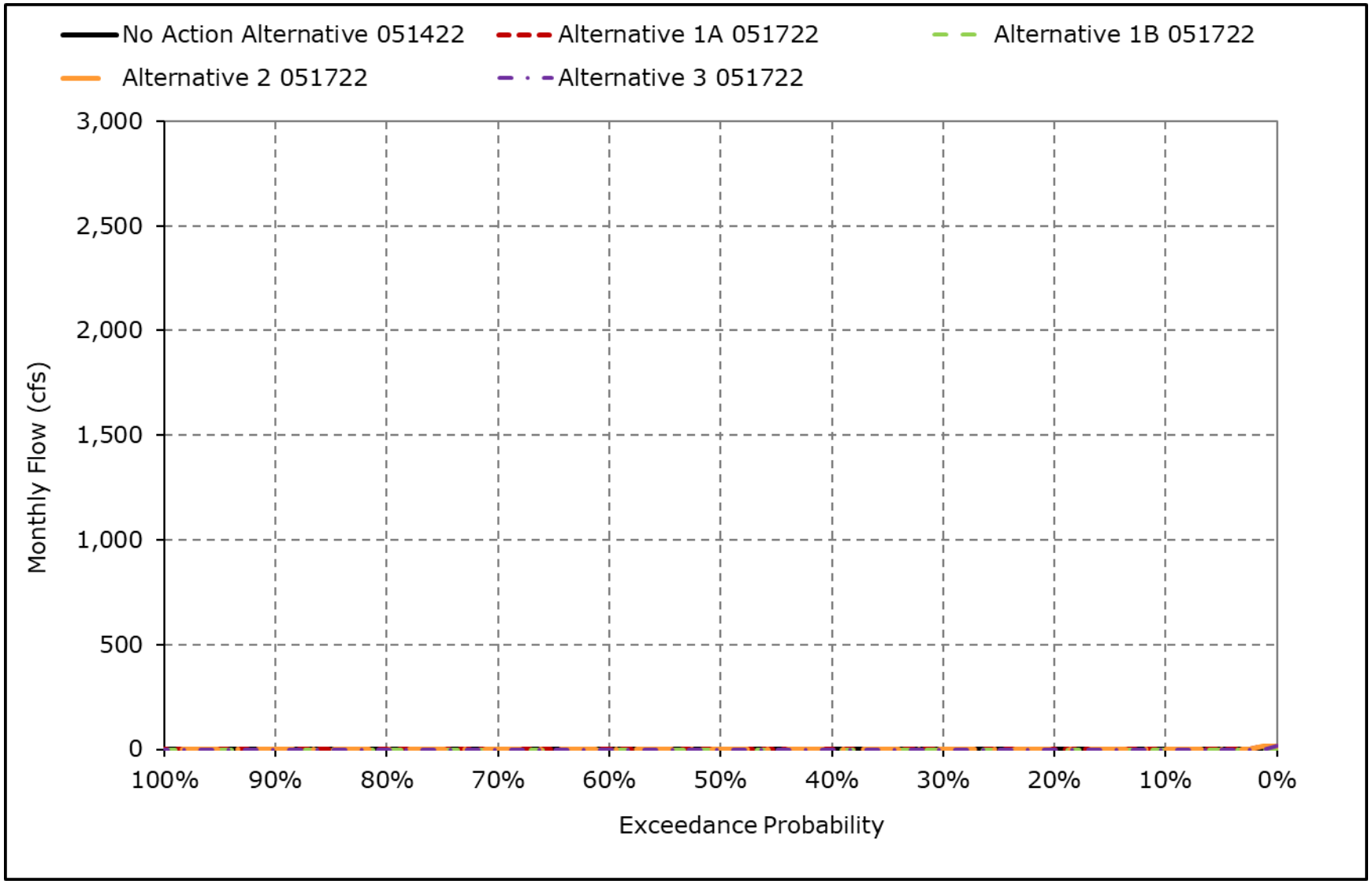
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-9. Total Sites Release, December



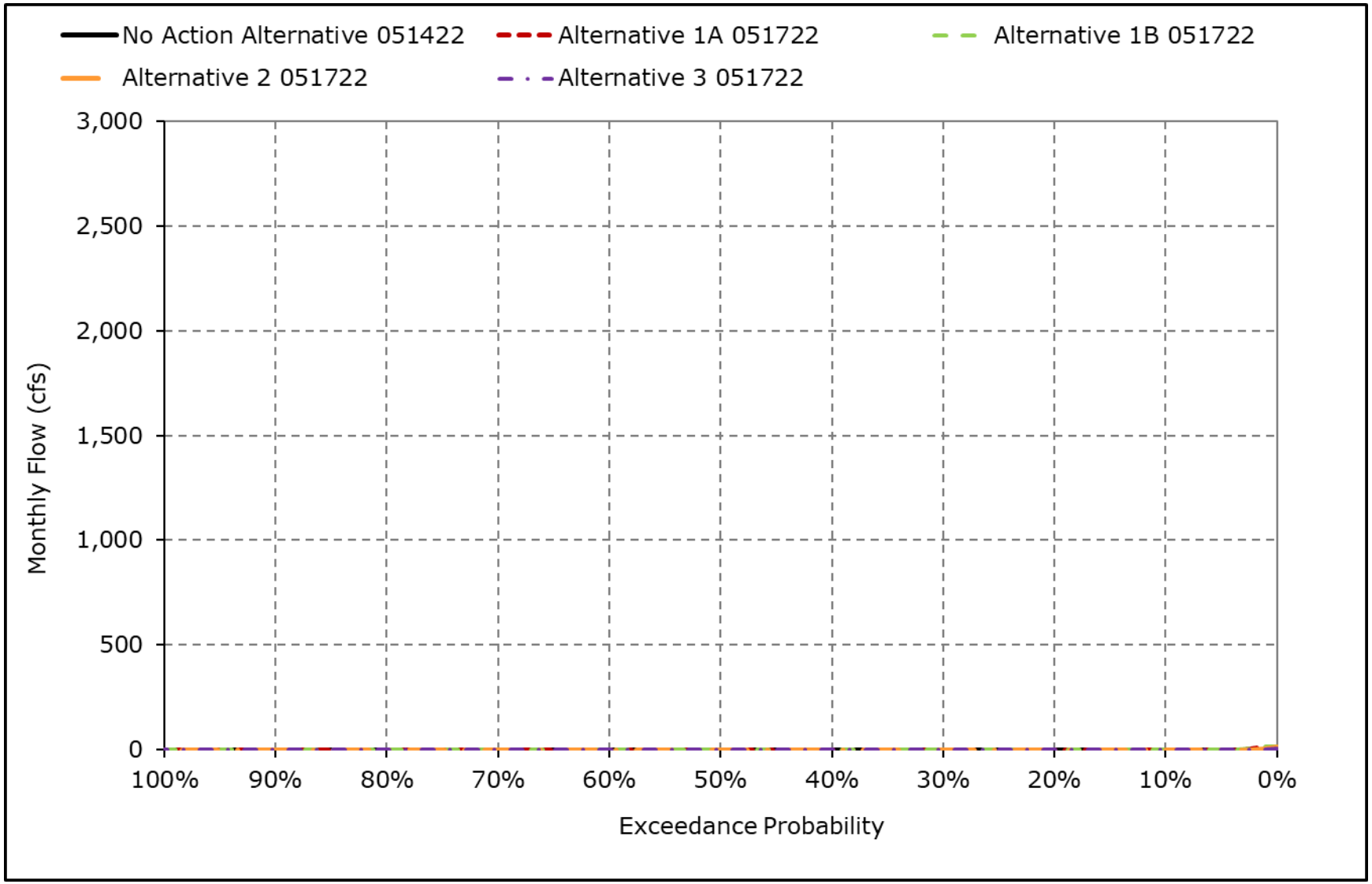
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-10. Total Sites Release, January



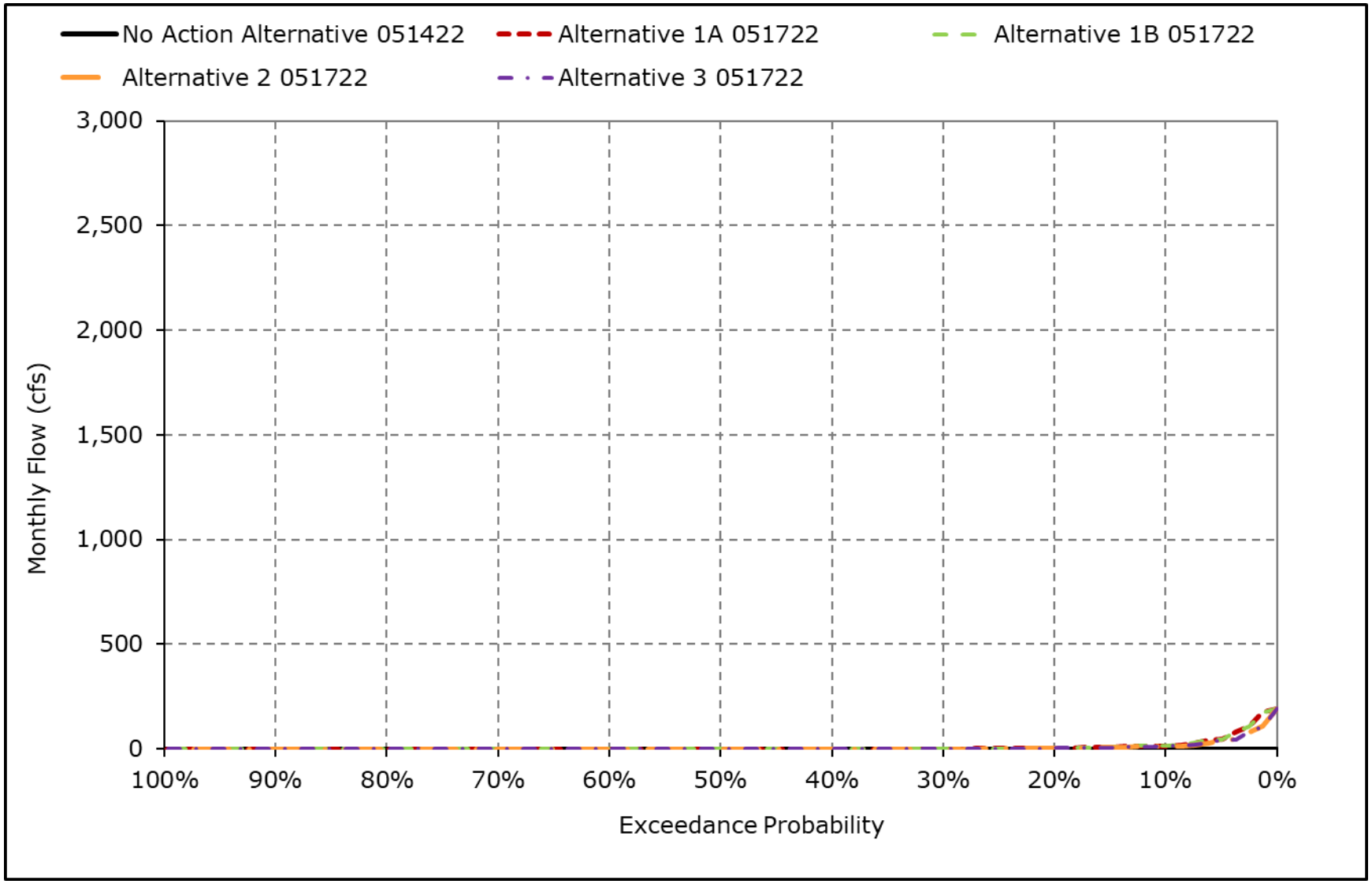
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-11. Total Sites Release, February



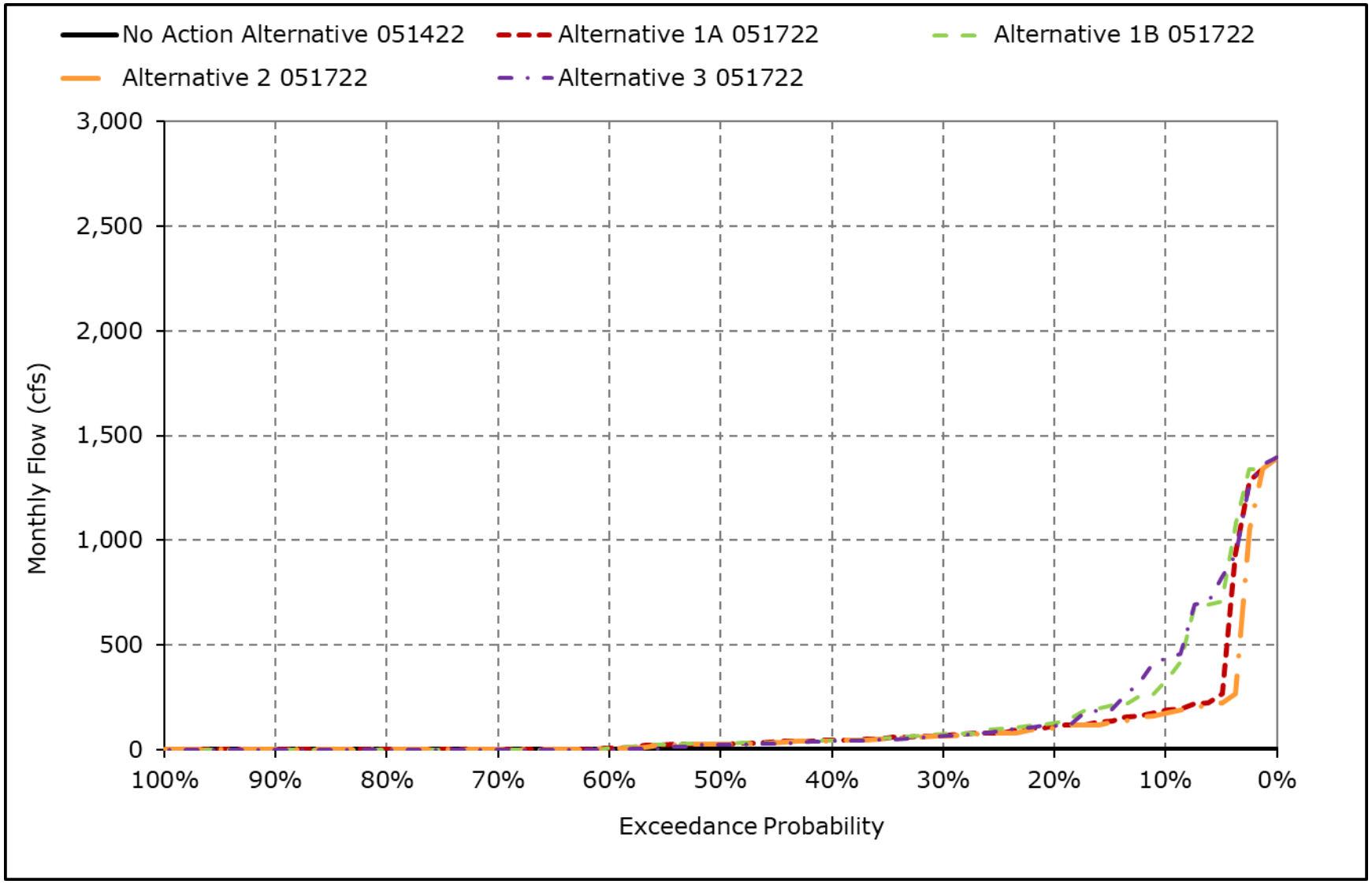
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-12. Total Sites Release, March



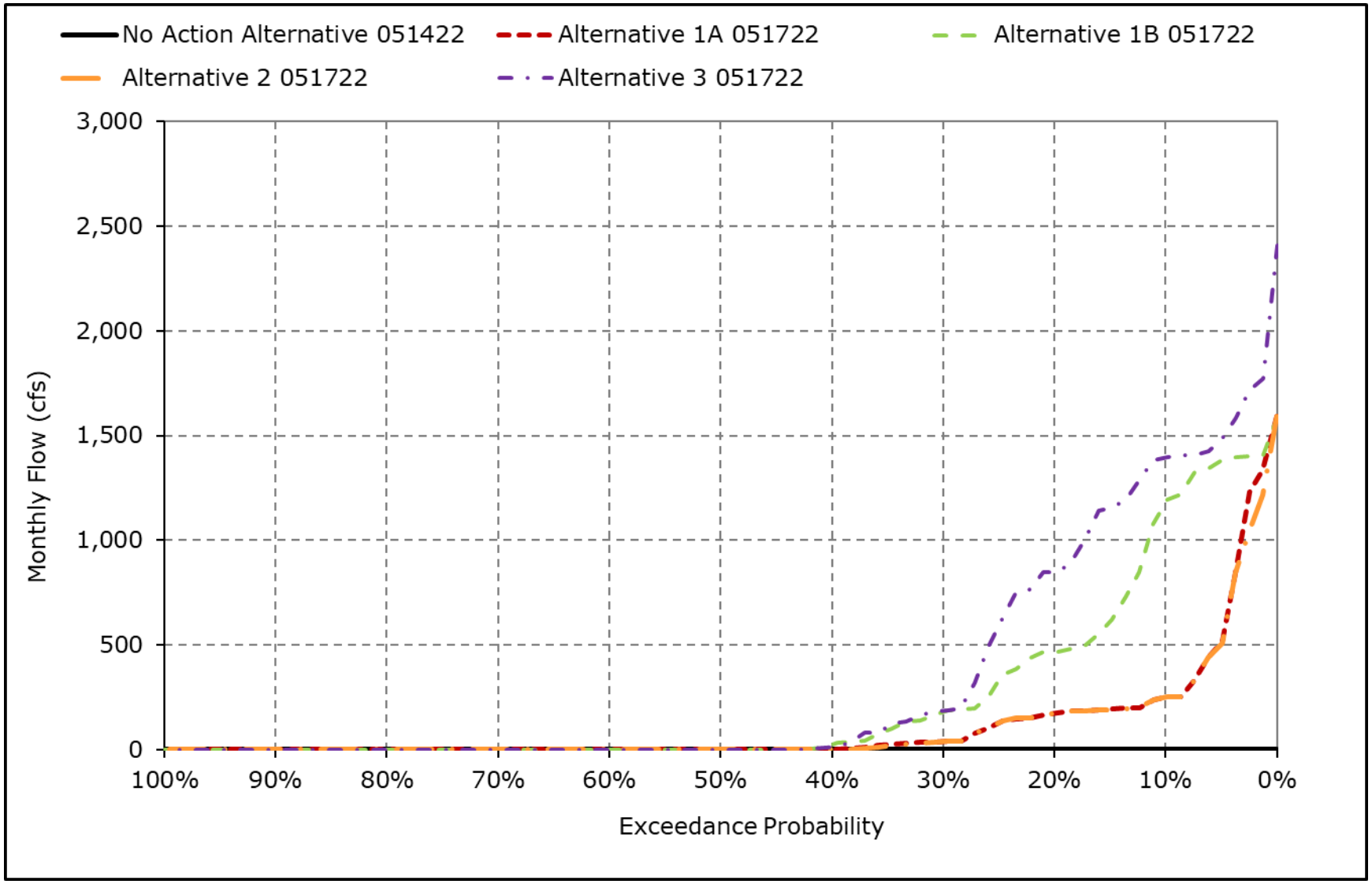
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-13. Total Sites Release, April



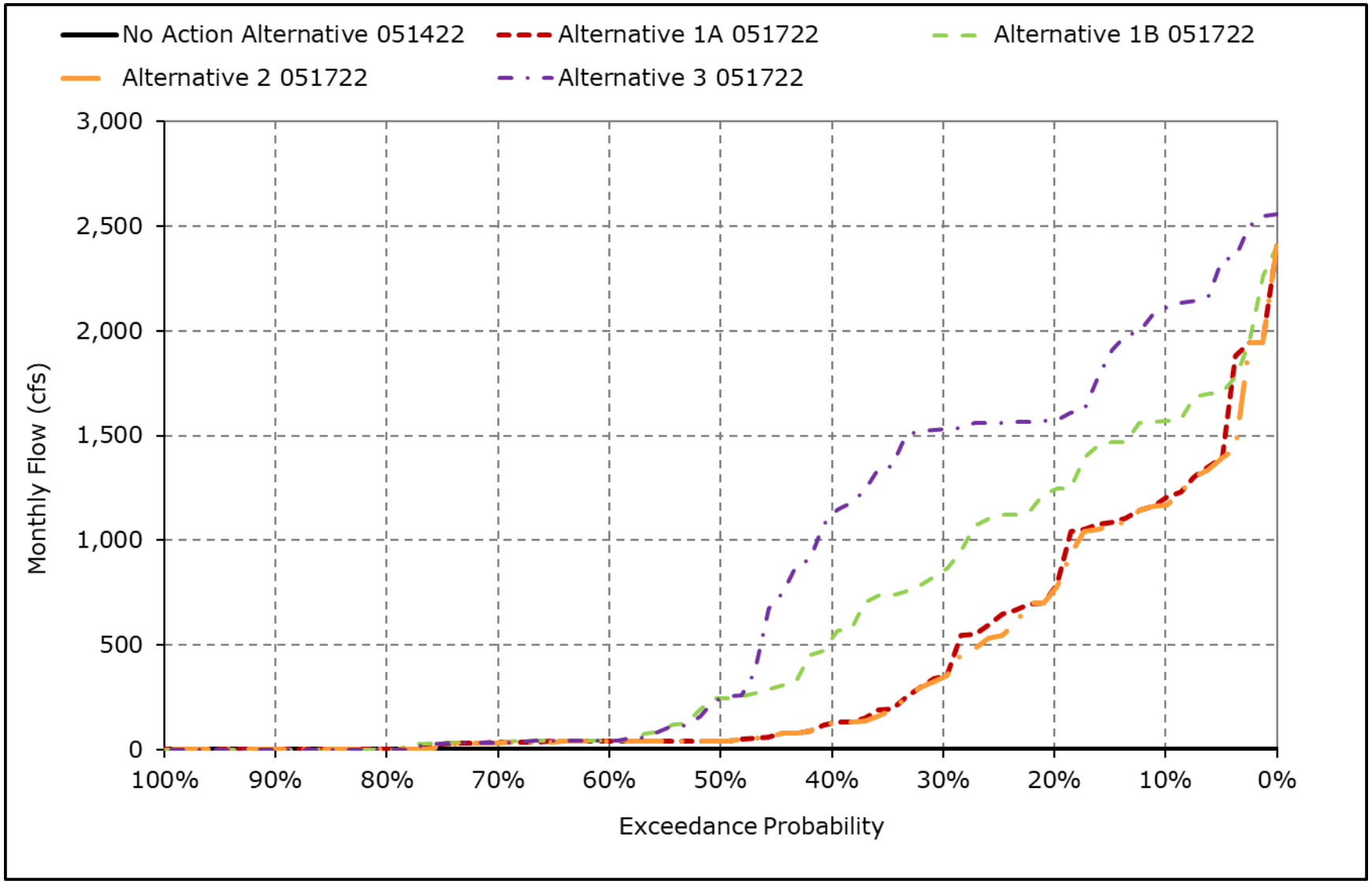
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-14. Total Sites Release, May



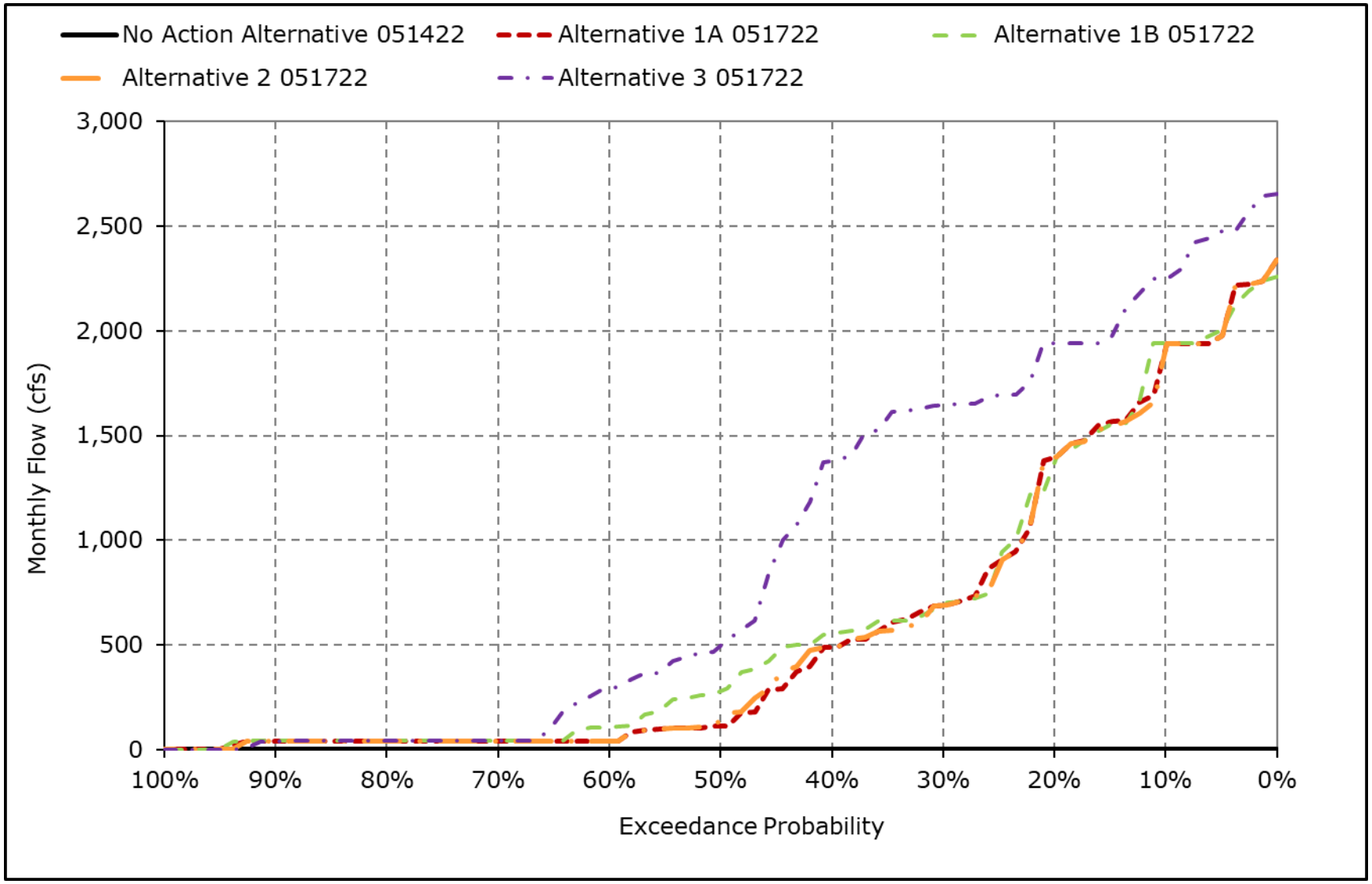
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-15. Total Sites Release, June



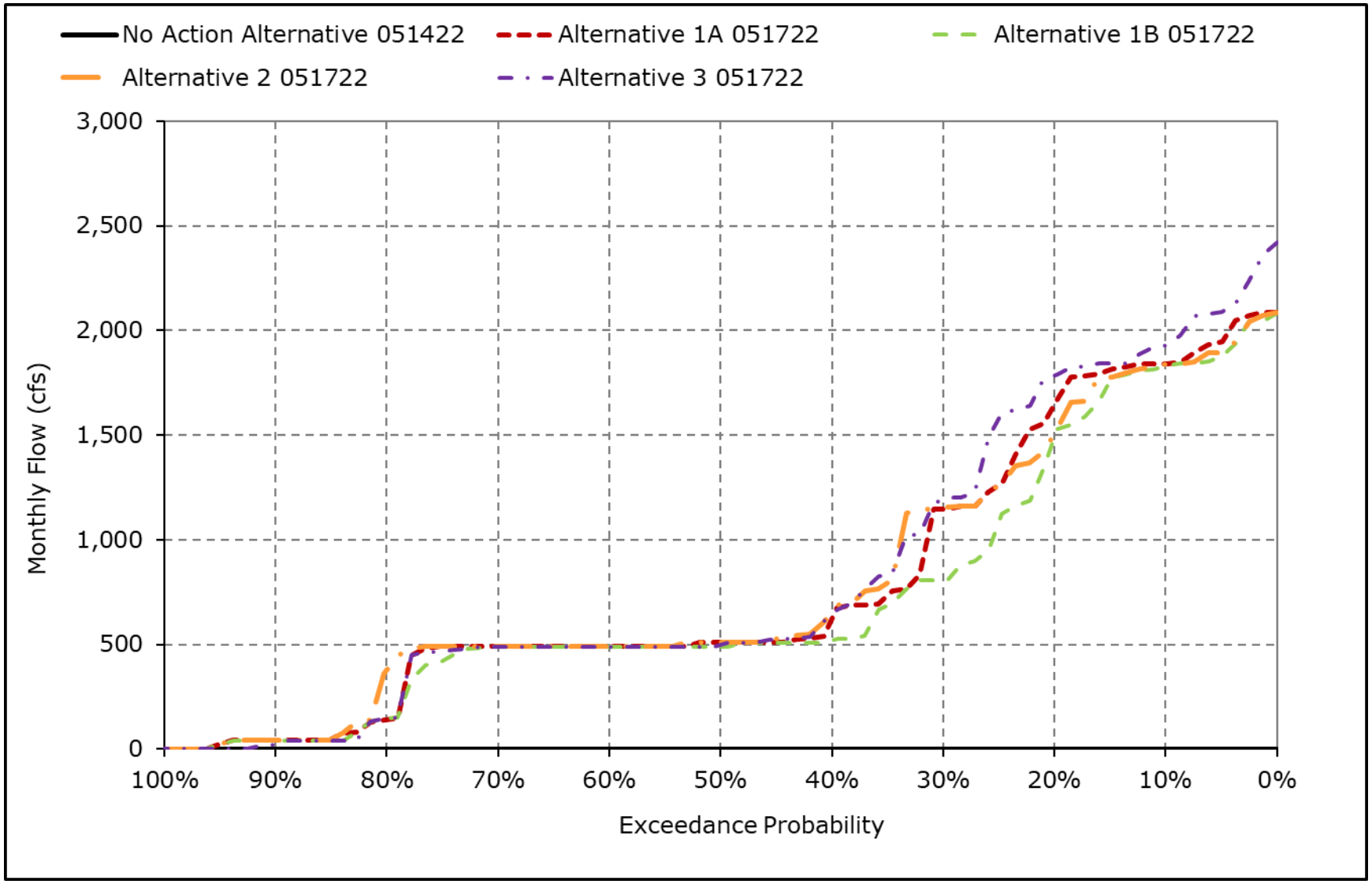
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-16. Total Sites Release, July



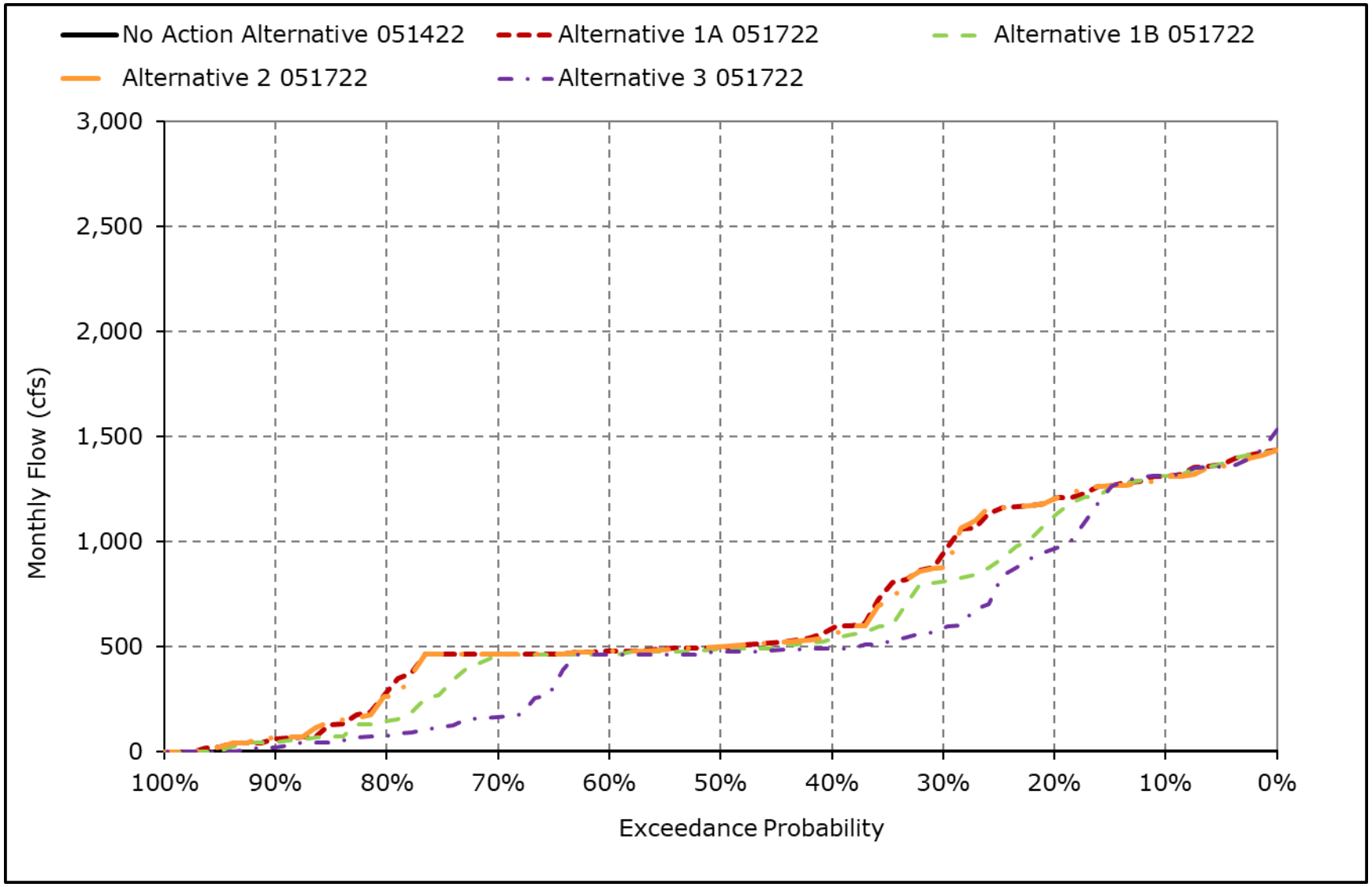
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-17. Total Sites Release, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-6-18. Total Sites Release, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-7-1a. Sites Reservoir Storage, No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-7-1b. Sites Reservoir Storage, Alternative 1A 051722, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,372	1,378	1,496	1,500	1,500	1,500	1,500	1,495	1,486	1,474	1,437	1,402
20% Exceedance	1,353	1,361	1,378	1,500	1,500	1,500	1,496	1,489	1,478	1,464	1,425	1,385
30% Exceedance	1,275	1,277	1,333	1,363	1,421	1,499	1,491	1,483	1,468	1,425	1,377	1,308
40% Exceedance	1,111	1,106	1,144	1,266	1,329	1,375	1,369	1,346	1,313	1,258	1,199	1,148
50% Exceedance	951	944	1,018	1,101	1,125	1,244	1,273	1,265	1,232	1,147	1,054	992
60% Exceedance	838	781	886	893	1,035	1,033	1,051	1,070	1,032	1,015	955	916
70% Exceedance	612	587	588	633	749	802	867	803	765	749	704	644
80% Exceedance	224	234	240	340	529	612	600	579	508	371	289	250
90% Exceedance	123	123	126	156	234	301	301	289	266	222	135	125
Full Simulation Period Average[a]	860	861	904	957	1,016	1,064	1,072	1,064	1,035	992	936	894
Wet Water Years (32%)	1,321	1,336	1,365	1,272	1,346	1,392	1,427	1,434	1,425	1,412	1,378	1,345
Above Normal Water Years (15%)	1,025	1,035	1,085	966	1,072	1,173	1,188	1,182	1,175	1,154	1,103	1,053
Below Normal Water Years (17%)	750	752	827	816	870	902	911	903	886	847	804	779
Dry Water Years (22%)	602	579	642	900	940	992	984	972	915	825	729	663
Critical Water Years (15%)	213	205	204	515	529	541	508	470	405	336	275	234

Table 5B1-7-1c. Sites Reservoir Storage, Alternative 1A 051722 minus No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,372	1,378	1,496	1,500	1,500	1,500	1,500	1,495	1,486	1,474	1,437	1,402
20% Exceedance	1,353	1,361	1,378	1,500	1,500	1,500	1,496	1,489	1,478	1,464	1,425	1,385
30% Exceedance	1,275	1,277	1,333	1,363	1,421	1,499	1,491	1,483	1,468	1,425	1,377	1,308
40% Exceedance	1,111	1,106	1,144	1,266	1,329	1,375	1,369	1,346	1,313	1,258	1,199	1,148
50% Exceedance	951	944	1,018	1,101	1,125	1,244	1,273	1,265	1,232	1,147	1,054	992
60% Exceedance	838	781	886	893	1,035	1,033	1,051	1,070	1,032	1,015	955	916
70% Exceedance	612	587	588	633	749	802	867	803	765	749	704	644
80% Exceedance	224	234	240	340	529	612	600	579	508	371	289	250
90% Exceedance	123	123	126	156	234	301	301	289	266	222	135	125
Full Simulation Period Average[a]	860	861	904	957	1,016	1,064	1,072	1,064	1,035	992	936	894
Wet Water Years (32%)	1,321	1,336	1,365	1,272	1,346	1,392	1,427	1,434	1,425	1,412	1,378	1,345
Above Normal Water Years (15%)	1,025	1,035	1,085	966	1,072	1,173	1,188	1,182	1,175	1,154	1,103	1,053
Below Normal Water Years (17%)	750	752	827	816	870	902	911	903	886	847	804	779
Dry Water Years (22%)	602	579	642	900	940	992	984	972	915	825	729	663
Critical Water Years (15%)	213	205	204	515	529	541	508	470	405	336	275	234

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-7-2a. Sites Reservoir Storage, No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-7-2b. Sites Reservoir Storage, Alternative 1B 051722, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,373	1,378	1,496	1,500	1,500	1,500	1,500	1,494	1,486	1,473	1,434	1,399
20% Exceedance	1,340	1,353	1,369	1,500	1,500	1,500	1,495	1,489	1,474	1,459	1,414	1,363
30% Exceedance	1,192	1,205	1,289	1,361	1,394	1,499	1,491	1,401	1,380	1,339	1,295	1,249
40% Exceedance	1,032	1,040	1,080	1,144	1,253	1,339	1,311	1,248	1,171	1,122	1,087	1,060
50% Exceedance	883	884	948	1,024	1,056	1,107	1,155	1,152	1,108	1,033	945	889
60% Exceedance	724	690	730	777	931	952	990	994	968	911	860	797
70% Exceedance	510	507	508	551	663	726	776	768	712	643	584	548
80% Exceedance	176	173	206	331	480	551	538	521	446	326	237	201
90% Exceedance	100	106	112	141	174	262	273	269	238	201	117	111
Full Simulation Period Average[a]	808	810	854	913	973	1,022	1,028	1,012	972	927	875	836
Wet Water Years (32%)	1,299	1,318	1,348	1,246	1,319	1,369	1,405	1,412	1,403	1,388	1,351	1,322
Above Normal Water Years (15%)	964	974	1,031	927	1,033	1,138	1,152	1,147	1,093	1,059	1,017	975
Below Normal Water Years (17%)	686	684	762	756	818	849	857	831	798	765	730	713
Dry Water Years (22%)	505	488	549	837	877	925	906	871	807	719	630	564
Critical Water Years (15%)	183	175	175	473	488	499	471	433	366	295	235	198

Table 5B1-7-2c. Sites Reservoir Storage, Alternative 1B 051722 minus No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,373	1,378	1,496	1,500	1,500	1,500	1,500	1,494	1,486	1,473	1,434	1,399
20% Exceedance	1,340	1,353	1,369	1,500	1,500	1,500	1,495	1,489	1,474	1,459	1,414	1,363
30% Exceedance	1,192	1,205	1,289	1,361	1,394	1,499	1,491	1,401	1,380	1,339	1,295	1,249
40% Exceedance	1,032	1,040	1,080	1,144	1,253	1,339	1,311	1,248	1,171	1,122	1,087	1,060
50% Exceedance	883	884	948	1,024	1,056	1,107	1,155	1,152	1,108	1,033	945	889
60% Exceedance	724	690	730	777	931	952	990	994	968	911	860	797
70% Exceedance	510	507	508	551	663	726	776	768	712	643	584	548
80% Exceedance	176	173	206	331	480	551	538	521	446	326	237	201
90% Exceedance	100	106	112	141	174	262	273	269	238	201	117	111
Full Simulation Period Average[a]	808	810	854	913	973	1,022	1,028	1,012	972	927	875	836
Wet Water Years (32%)	1,299	1,318	1,348	1,246	1,319	1,369	1,405	1,412	1,403	1,388	1,351	1,322
Above Normal Water Years (15%)	964	974	1,031	927	1,033	1,138	1,152	1,147	1,093	1,059	1,017	975
Below Normal Water Years (17%)	686	684	762	756	818	849	857	831	798	765	730	713
Dry Water Years (22%)	505	488	549	837	877	925	906	871	807	719	630	564
Critical Water Years (15%)	183	175	175	473	488	499	471	433	366	295	235	198

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-7-3a. Sites Reservoir Storage, No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-7-3b. Sites Reservoir Storage, Alternative 2 051722, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,146	1,151	1,270	1,270	1,270	1,270	1,270	1,265	1,257	1,246	1,209	1,176
20% Exceedance	1,126	1,134	1,150	1,270	1,270	1,270	1,266	1,259	1,250	1,236	1,198	1,157
30% Exceedance	1,049	1,053	1,106	1,158	1,268	1,269	1,262	1,254	1,240	1,189	1,146	1,082
40% Exceedance	976	981	1,021	1,077	1,102	1,171	1,193	1,179	1,166	1,114	1,062	1,007
50% Exceedance	883	866	914	964	1,035	1,084	1,111	1,106	1,047	985	944	923
60% Exceedance	648	595	685	760	857	906	987	995	943	879	780	728
70% Exceedance	530	461	461	572	661	724	729	709	672	651	568	502
80% Exceedance	167	172	181	293	398	555	520	496	382	330	245	200
90% Exceedance	110	110	111	142	170	269	291	279	242	202	133	120
Full Simulation Period Average[a]	716	717	759	812	867	912	922	914	887	844	788	746
Wet Water Years (32%)	1,119	1,134	1,162	1,090	1,151	1,189	1,224	1,231	1,223	1,211	1,177	1,144
Above Normal Water Years (15%)	907	917	970	847	952	1,053	1,067	1,062	1,056	1,032	977	921
Below Normal Water Years (17%)	609	611	686	675	729	760	769	762	745	708	663	639
Dry Water Years (22%)	458	439	499	744	784	836	828	817	761	674	579	516
Critical Water Years (15%)	162	154	152	438	453	465	438	403	341	273	215	179

Table 5B1-7-3c. Sites Reservoir Storage, Alternative 2 051722 minus No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,146	1,151	1,270	1,270	1,270	1,270	1,270	1,265	1,257	1,246	1,209	1,176
20% Exceedance	1,126	1,134	1,150	1,270	1,270	1,270	1,266	1,259	1,250	1,236	1,198	1,157
30% Exceedance	1,049	1,053	1,106	1,158	1,268	1,269	1,262	1,254	1,240	1,189	1,146	1,082
40% Exceedance	976	981	1,021	1,077	1,102	1,171	1,193	1,179	1,166	1,114	1,062	1,007
50% Exceedance	883	866	914	964	1,035	1,084	1,111	1,106	1,047	985	944	923
60% Exceedance	648	595	685	760	857	906	987	995	943	879	780	728
70% Exceedance	530	461	461	572	661	724	729	709	672	651	568	502
80% Exceedance	167	172	181	293	398	555	520	496	382	330	245	200
90% Exceedance	110	110	111	142	170	269	291	279	242	202	133	120
Full Simulation Period Average[a]	716	717	759	812	867	912	922	914	887	844	788	746
Wet Water Years (32%)	1,119	1,134	1,162	1,090	1,151	1,189	1,224	1,231	1,223	1,211	1,177	1,144
Above Normal Water Years (15%)	907	917	970	847	952	1,053	1,067	1,062	1,056	1,032	977	921
Below Normal Water Years (17%)	609	611	686	675	729	760	769	762	745	708	663	639
Dry Water Years (22%)	458	439	499	744	784	836	828	817	761	674	579	516
Critical Water Years (15%)	162	154	152	438	453	465	438	403	341	273	215	179

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-7-4a. Sites Reservoir Storage, No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-7-4b. Sites Reservoir Storage, Alternative 3 051722, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,372	1,374	1,493	1,500	1,500	1,500	1,500	1,494	1,486	1,473	1,434	1,399
20% Exceedance	1,339	1,350	1,361	1,401	1,499	1,500	1,495	1,489	1,474	1,458	1,413	1,363
30% Exceedance	990	1,001	1,089	1,194	1,347	1,489	1,482	1,364	1,263	1,142	1,061	1,009
40% Exceedance	890	903	953	989	1,070	1,153	1,145	1,154	1,114	996	930	896
50% Exceedance	719	713	754	841	898	996	1,022	1,011	935	858	804	735
60% Exceedance	502	497	580	641	746	812	842	844	739	634	589	529
70% Exceedance	328	294	376	474	577	683	613	609	610	513	441	359
80% Exceedance	118	125	131	232	301	418	408	354	272	207	141	128
90% Exceedance	76	74	77	95	134	229	241	218	170	116	90	85
Full Simulation Period Average[a]	702	707	753	815	886	944	952	930	877	812	754	720
Wet Water Years (32%)	1,270	1,289	1,316	1,166	1,266	1,329	1,371	1,378	1,369	1,354	1,318	1,289
Above Normal Water Years (15%)	791	803	879	836	957	1,065	1,079	1,074	1,010	895	804	758
Below Normal Water Years (17%)	514	511	592	663	724	770	776	746	676	608	556	538
Dry Water Years (22%)	344	337	397	699	738	794	778	724	632	533	450	393
Critical Water Years (15%)	139	133	132	385	400	412	384	338	278	208	167	153

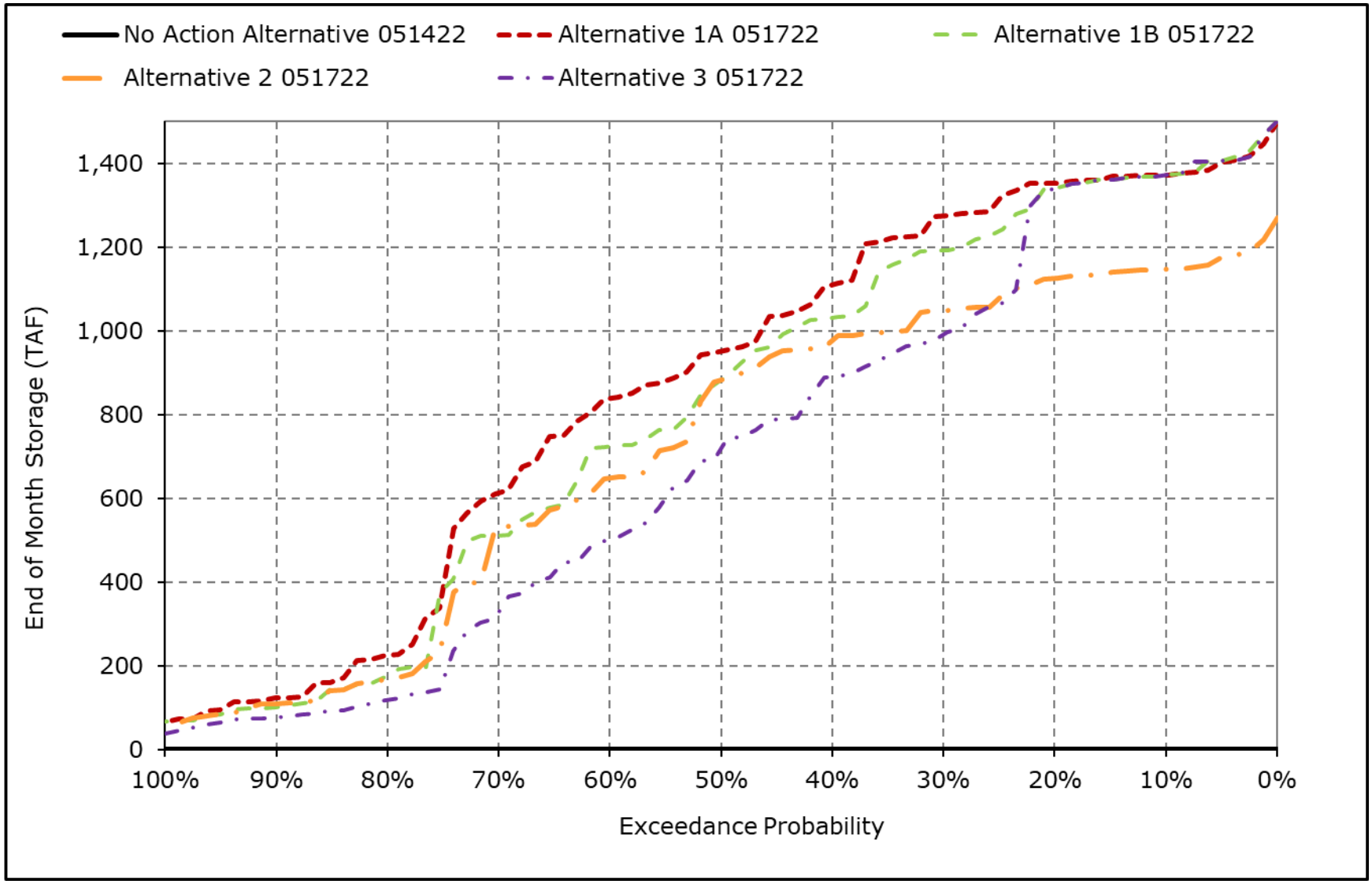
Table 5B1-7-4c. Sites Reservoir Storage, Alternative 3 051722 minus No Action Alternative 051422, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,372	1,374	1,493	1,500	1,500	1,500	1,500	1,494	1,486	1,473	1,434	1,399
20% Exceedance	1,339	1,350	1,361	1,401	1,499	1,500	1,495	1,489	1,474	1,458	1,413	1,363
30% Exceedance	990	1,001	1,089	1,194	1,347	1,489	1,482	1,364	1,263	1,142	1,061	1,009
40% Exceedance	890	903	953	989	1,070	1,153	1,145	1,154	1,114	996	930	896
50% Exceedance	719	713	754	841	898	996	1,022	1,011	935	858	804	735
60% Exceedance	502	497	580	641	746	812	842	844	739	634	589	529
70% Exceedance	328	294	376	474	577	683	613	609	610	513	441	359
80% Exceedance	118	125	131	232	301	418	408	354	272	207	141	128
90% Exceedance	76	74	77	95	134	229	241	218	170	116	90	85
Full Simulation Period Average[a]	702	707	753	815	886	944	952	930	877	812	754	720
Wet Water Years (32%)	1,270	1,289	1,316	1,166	1,266	1,329	1,371	1,378	1,369	1,354	1,318	1,289
Above Normal Water Years (15%)	791	803	879	836	957	1,065	1,079	1,074	1,010	895	804	758
Below Normal Water Years (17%)	514	511	592	663	724	770	776	746	676	608	556	538
Dry Water Years (22%)	344	337	397	699	738	794	778	724	632	533	450	393
Critical Water Years (15%)	139	133	132	385	400	412	384	338	278	208	167	153

[a] Based on the 82-year simulation period.

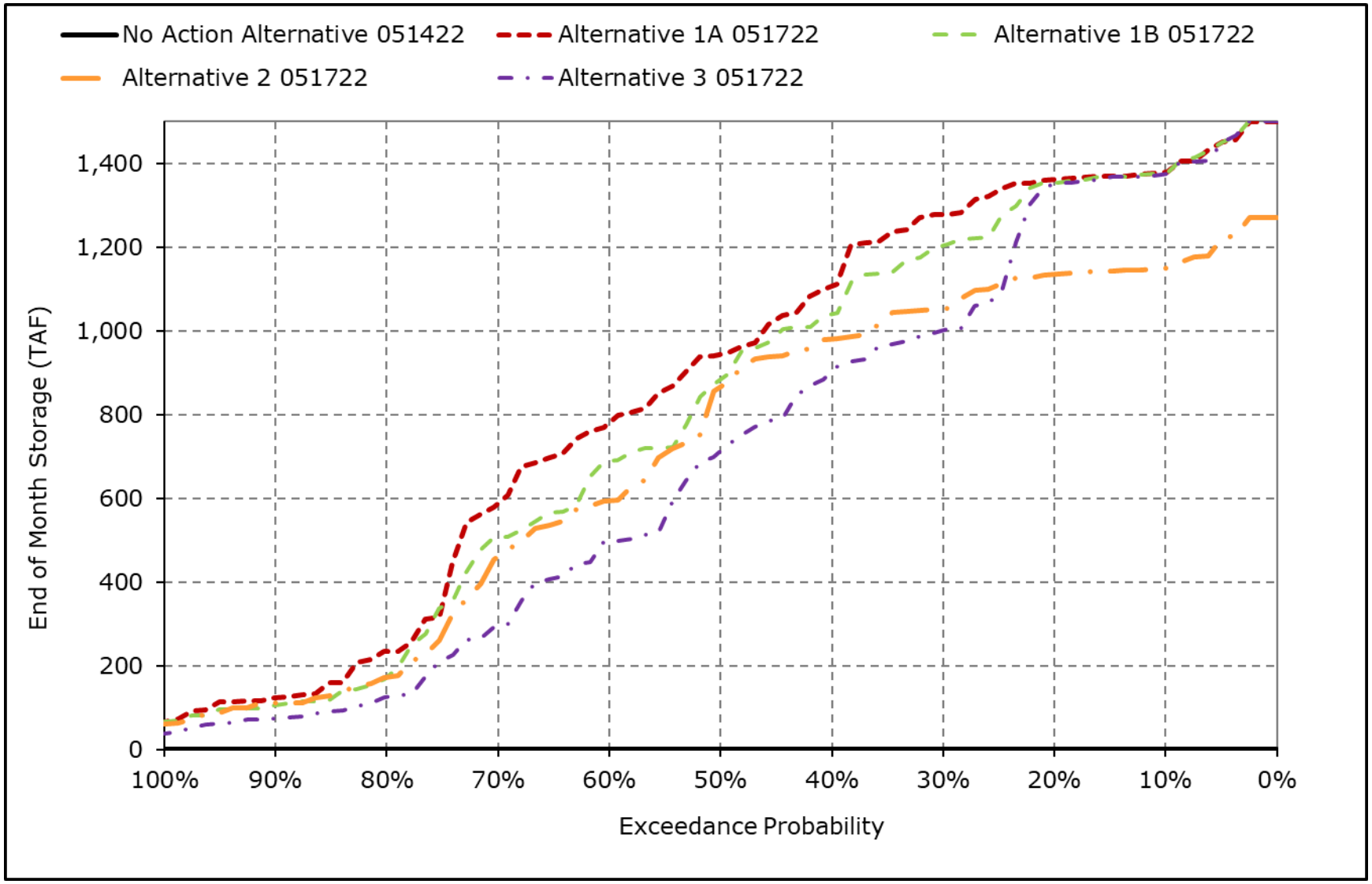
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-7-1. Sites Reservoir Storage, October



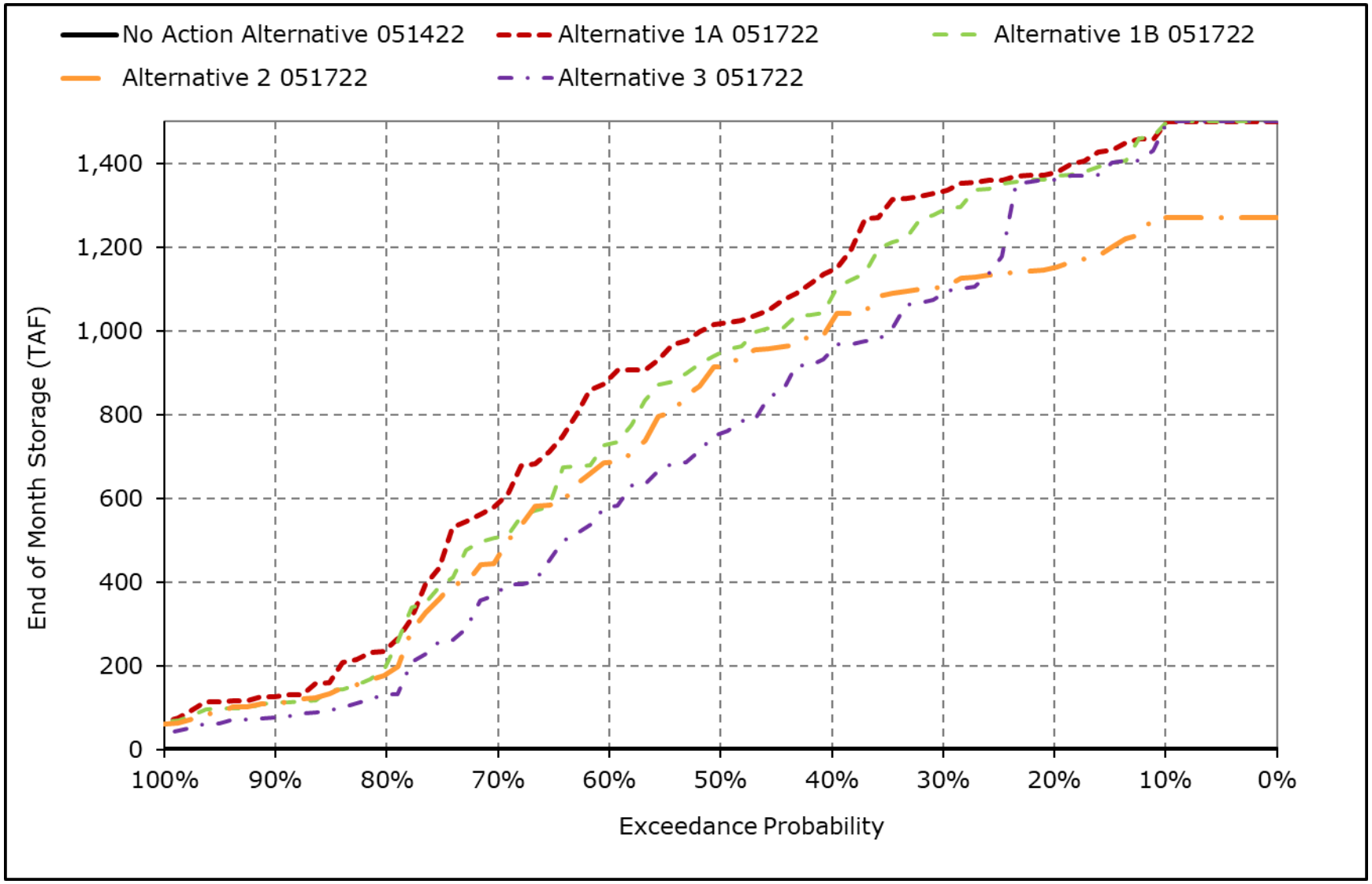
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-2. Sites Reservoir Storage, November



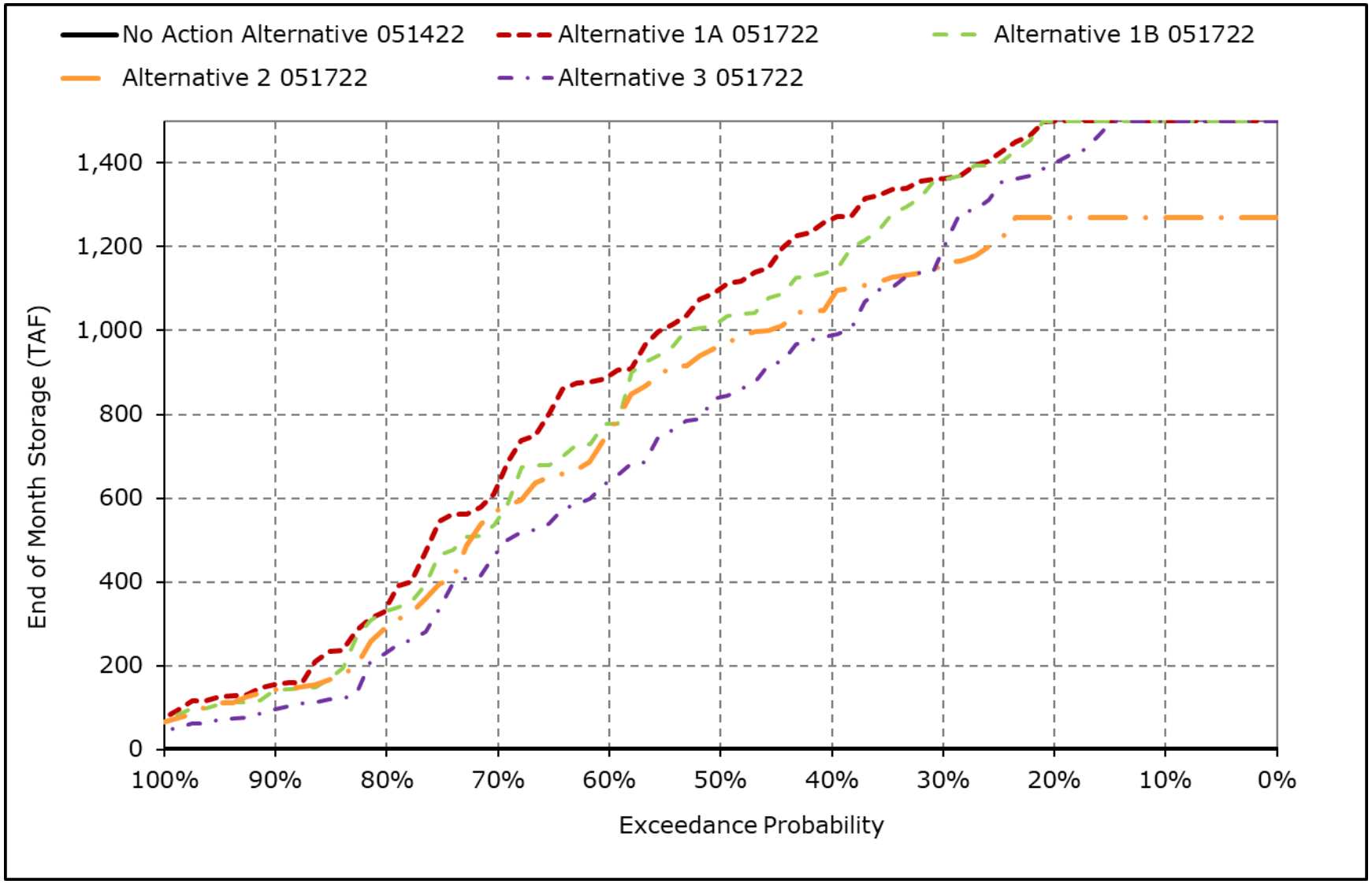
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-3. Sites Reservoir Storage, December



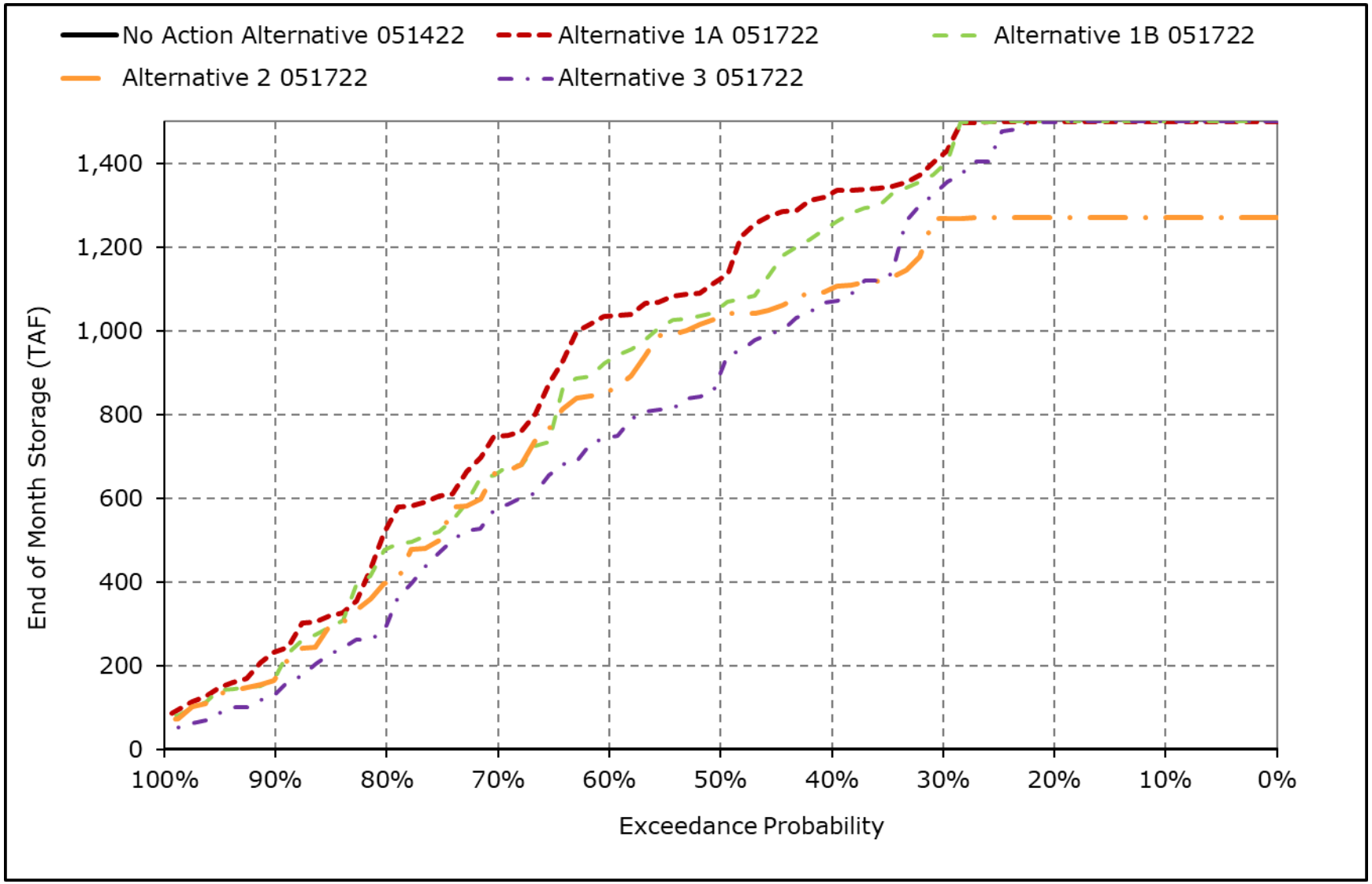
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-4. Sites Reservoir Storage, January



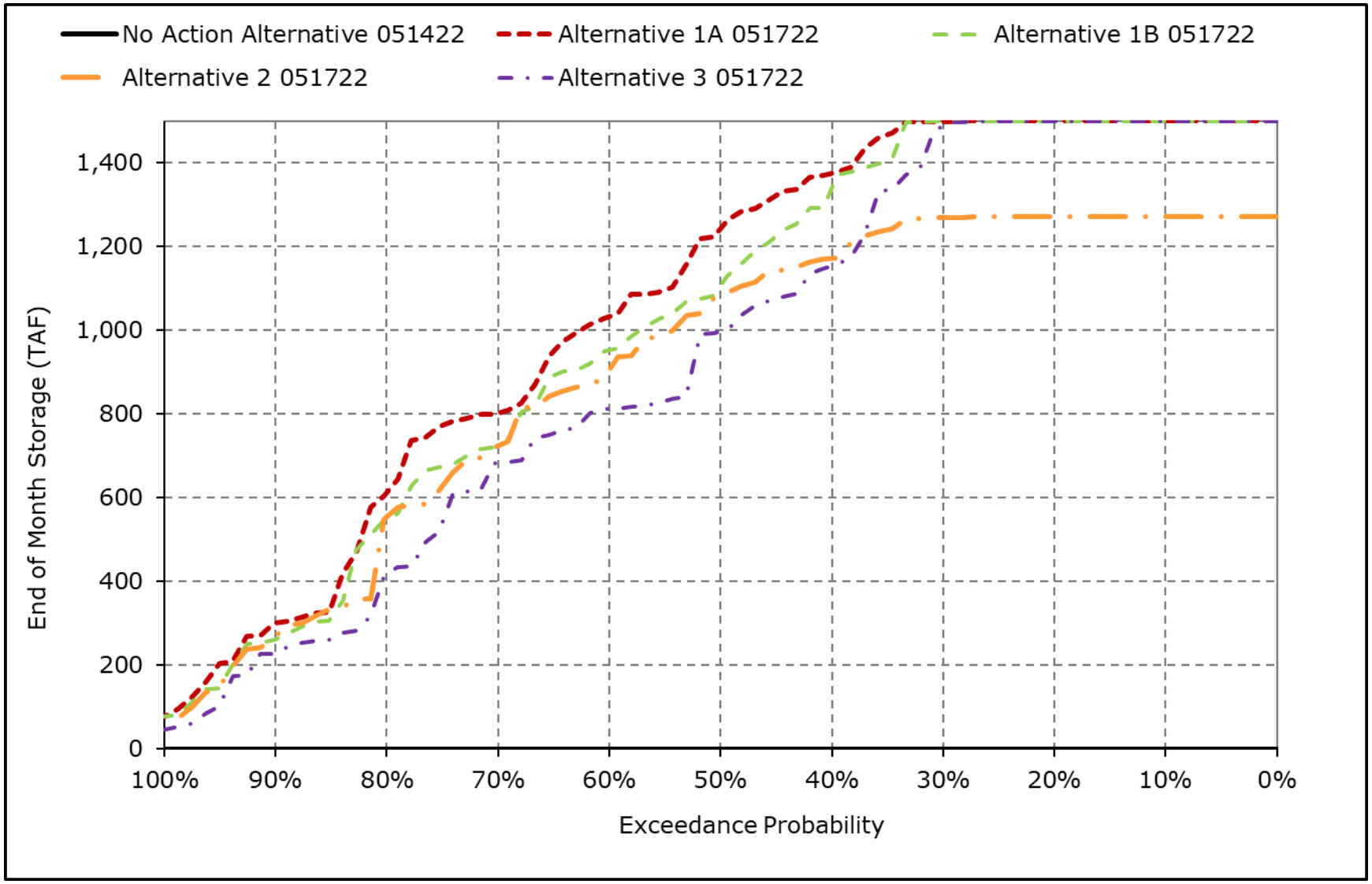
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-5. Sites Reservoir Storage, February



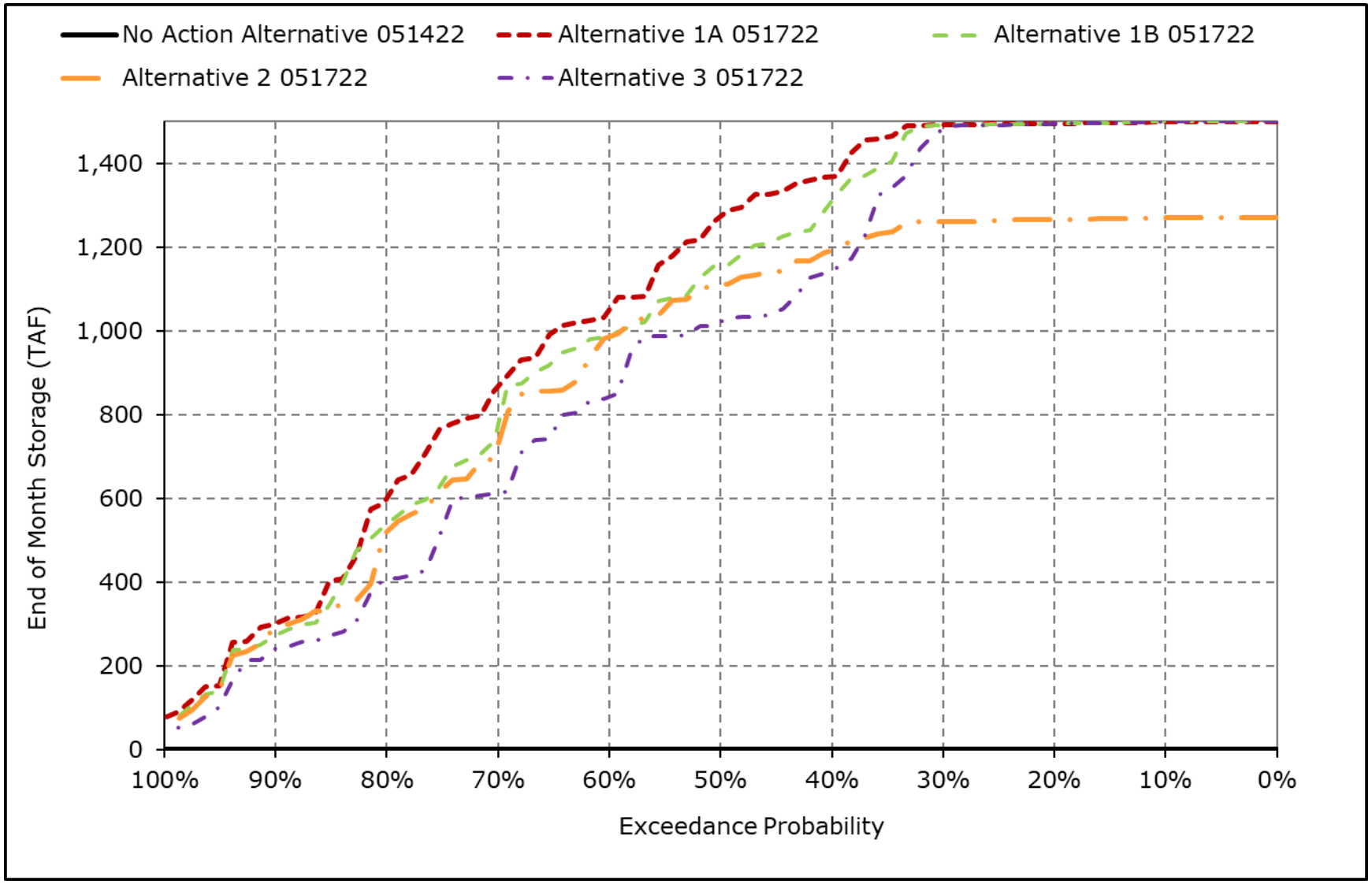
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-6. Sites Reservoir Storage, March



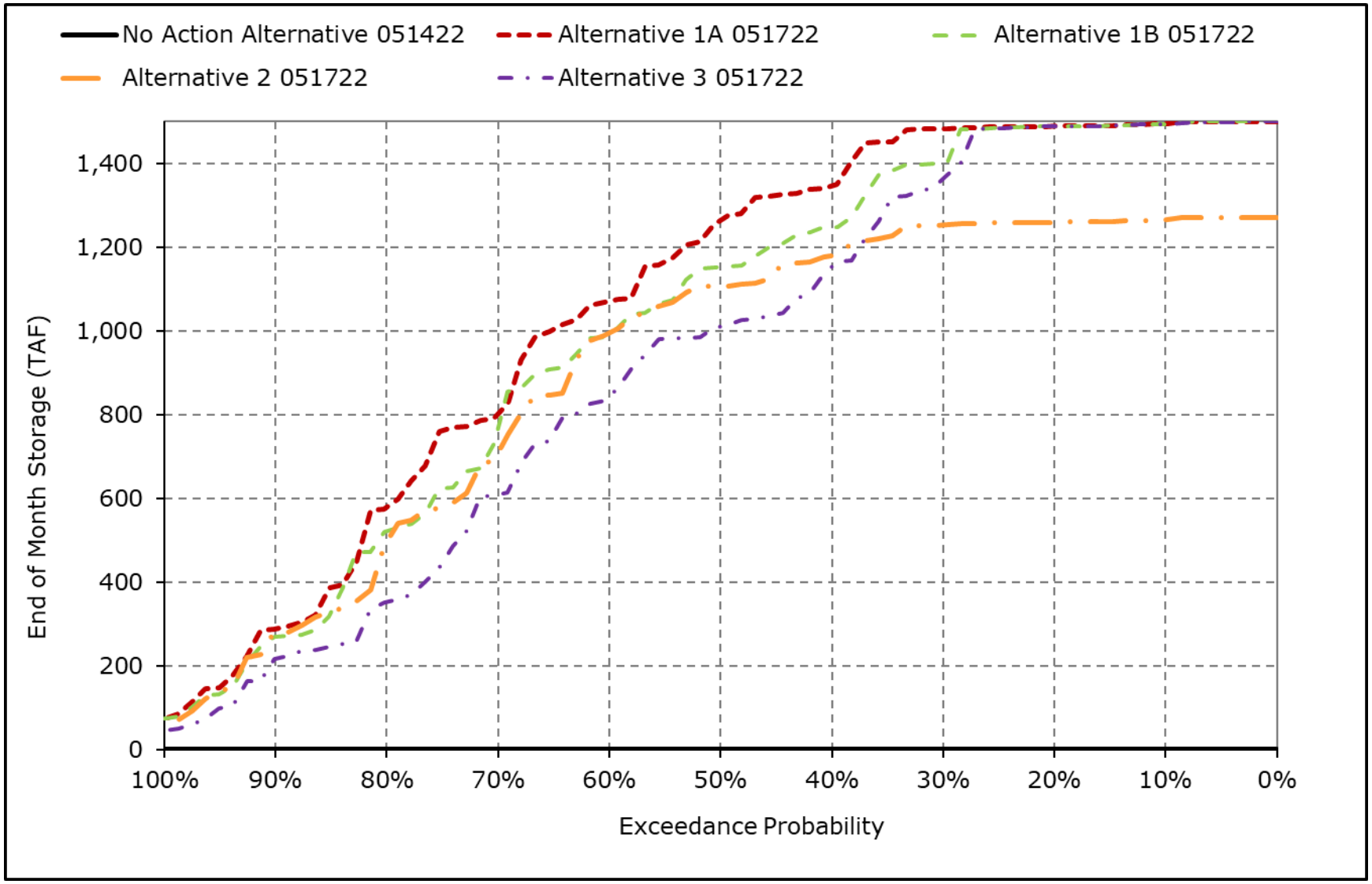
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-7. Sites Reservoir Storage, April



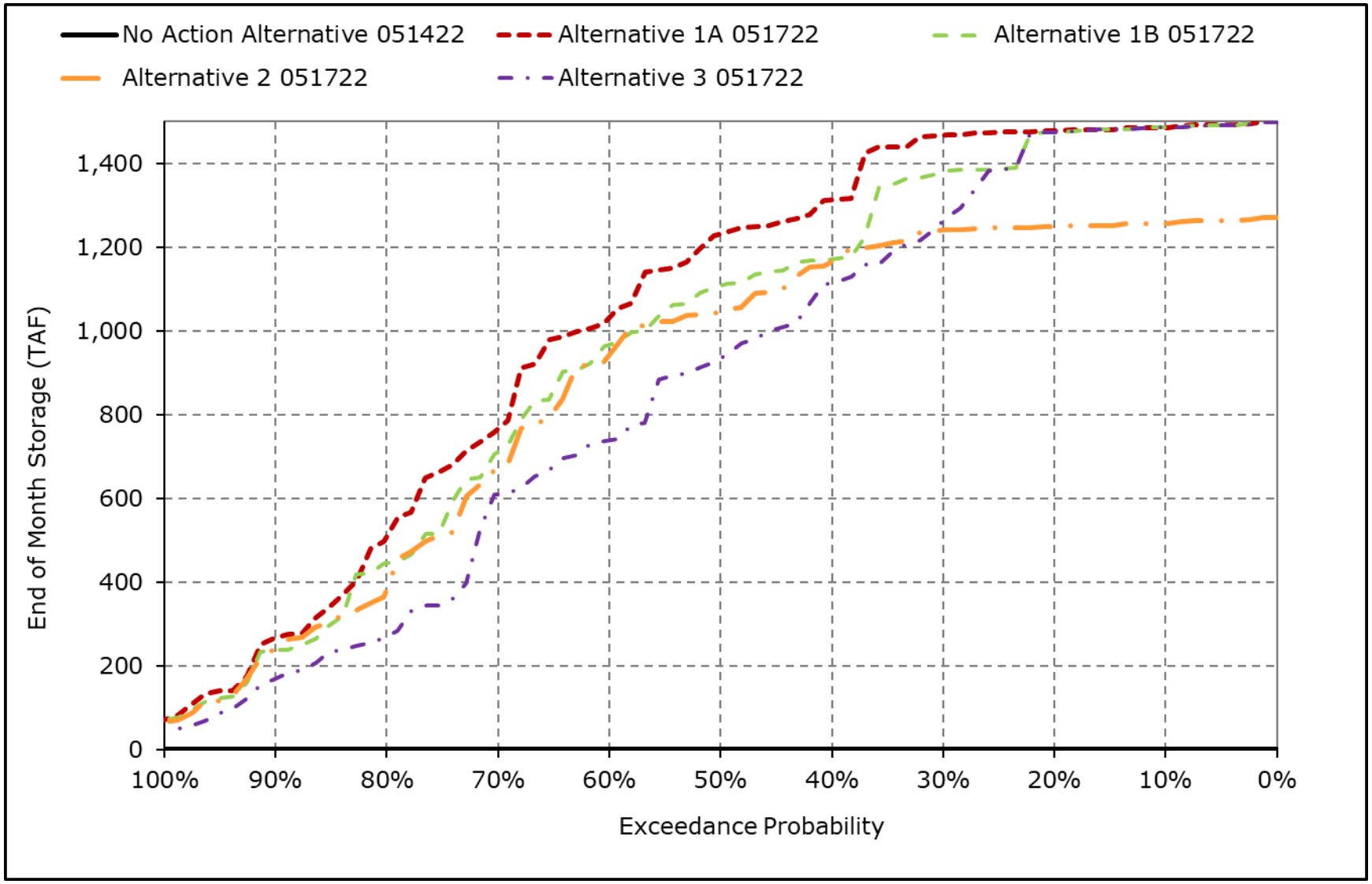
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-8. Sites Reservoir Storage, May



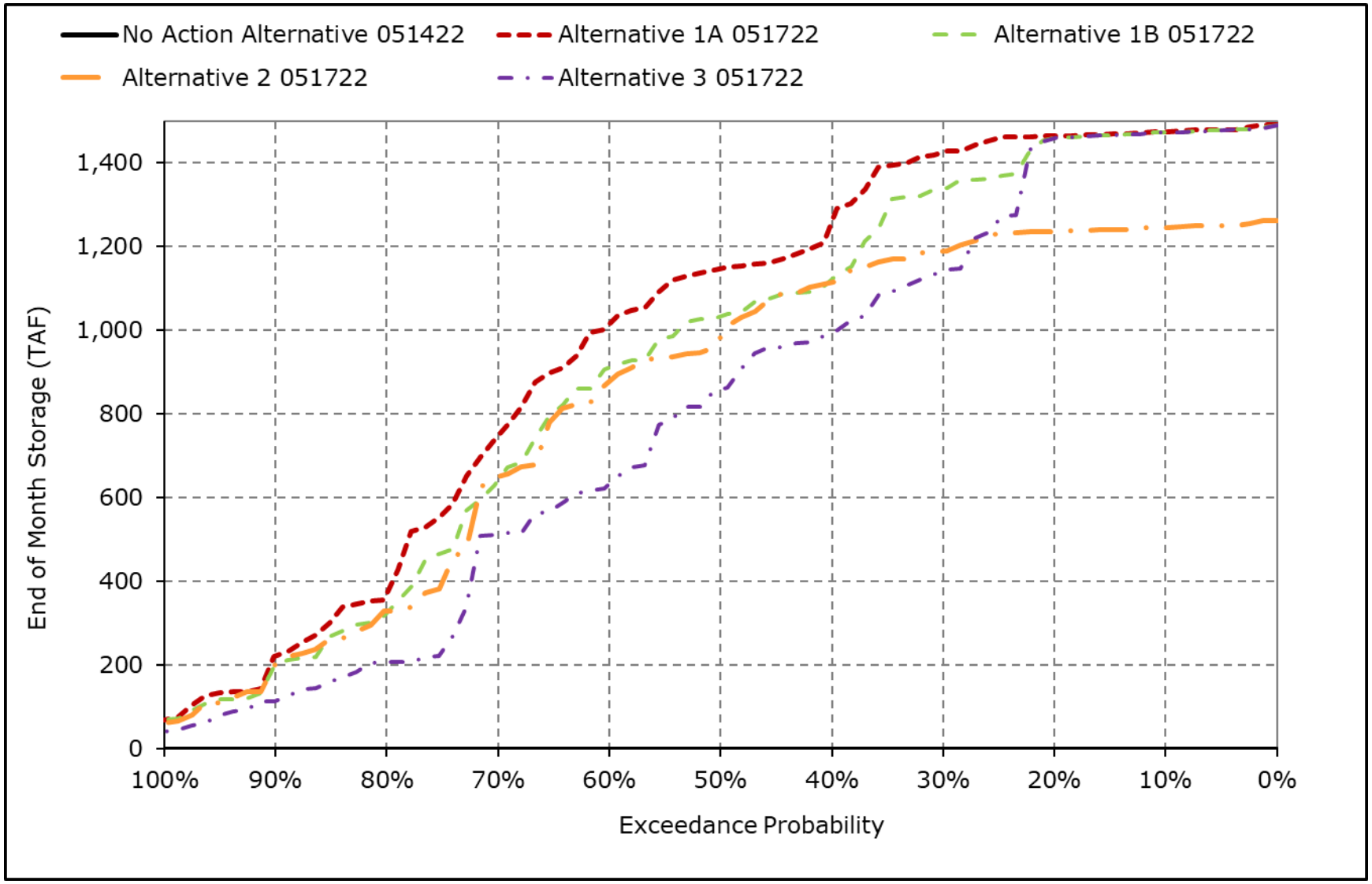
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-9. Sites Reservoir Storage, June



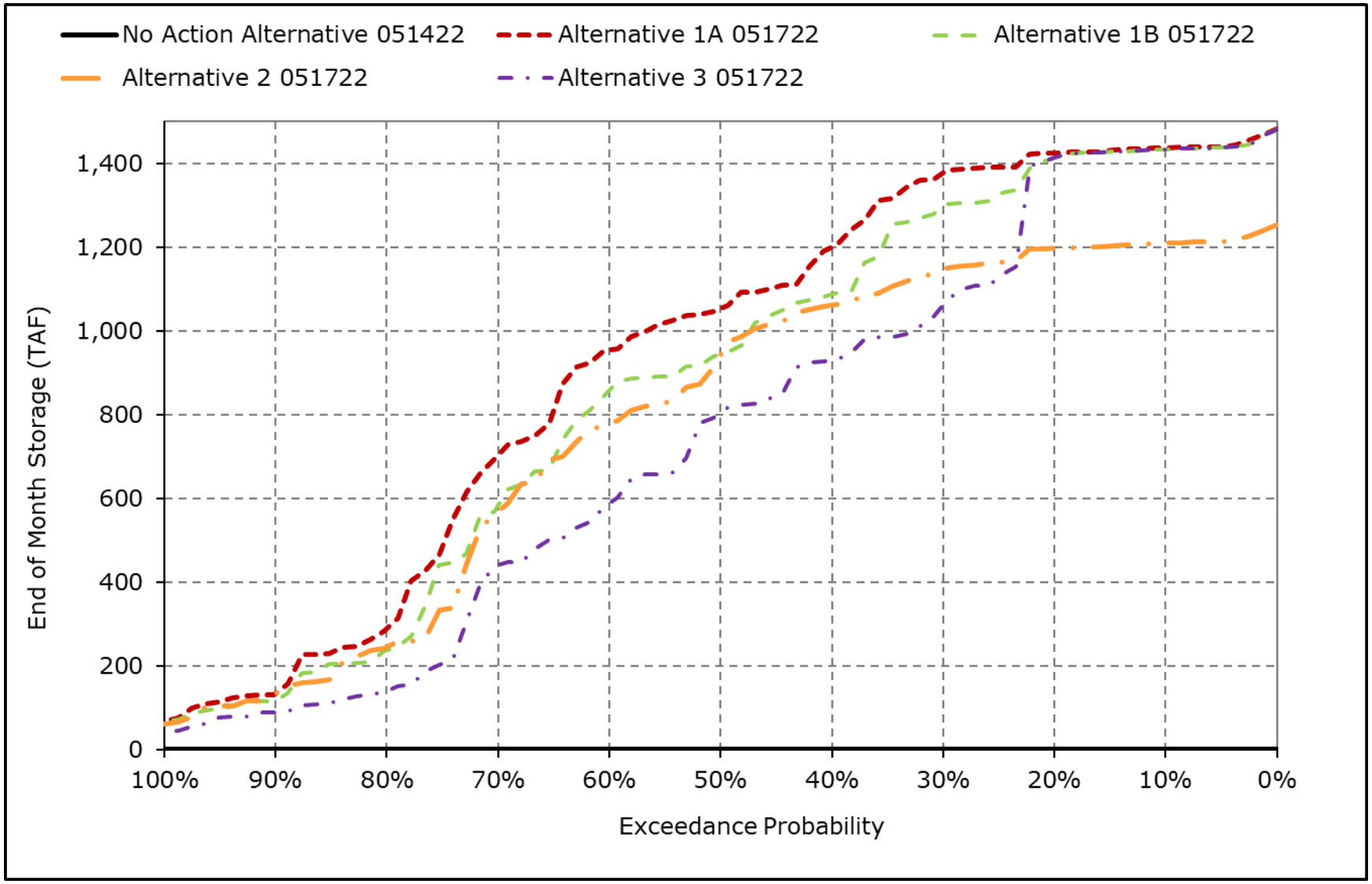
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-10. Sites Reservoir Storage, July



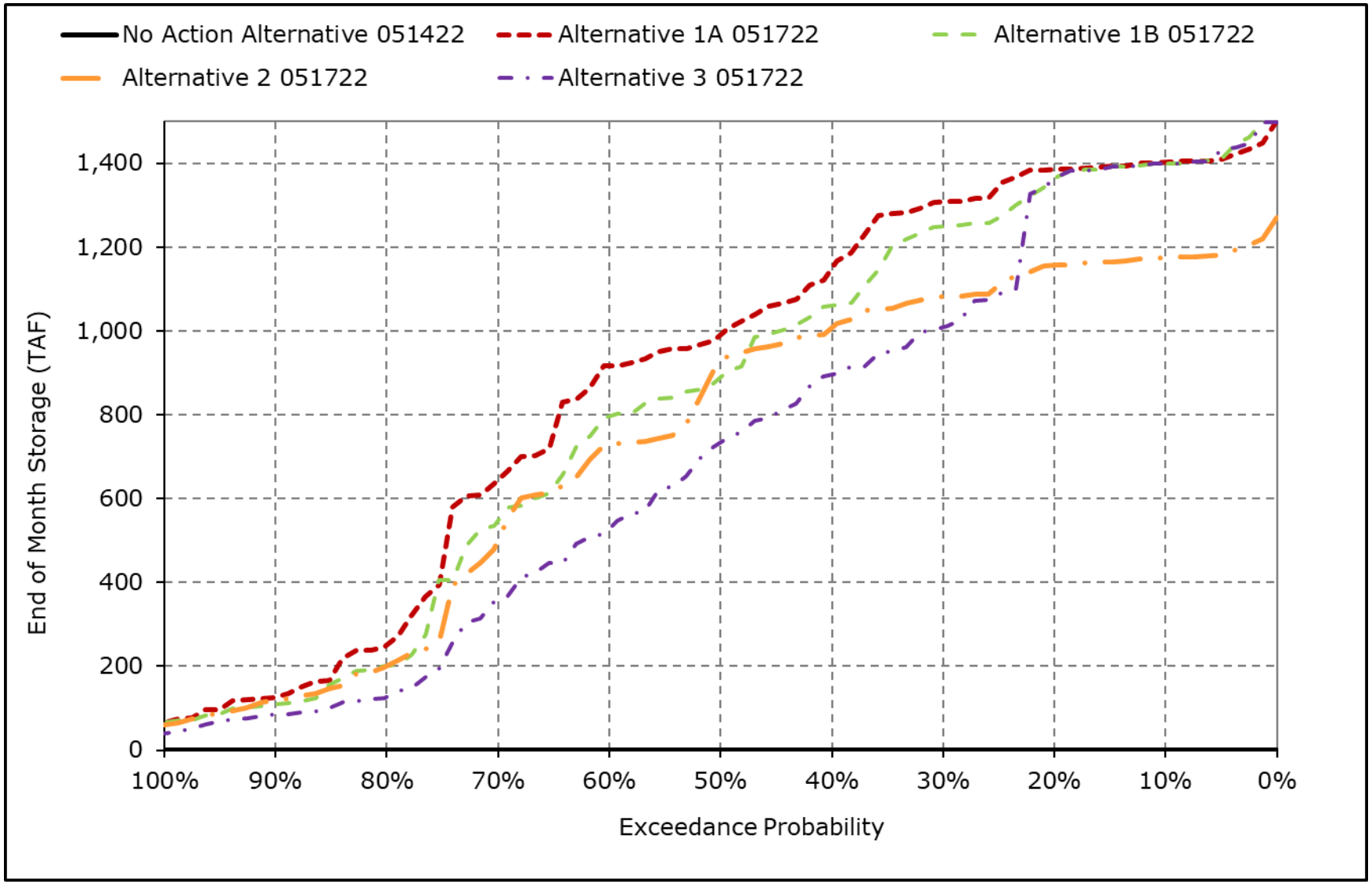
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-11. Sites Reservoir Storage, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-7-12. Sites Reservoir Storage, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-8-1a. Sites Reservoir Elevation, No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
20% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
30% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
40% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
50% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
60% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
70% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
80% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
90% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
Full Simulation Period Average[a]	220	220	220	220	220	220	220	220	220	220	220	220
Wet Water Years (32%)	220	220	220	220	220	220	220	220	220	220	220	220
Above Normal Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220
Below Normal Water Years (17%)	220	220	220	220	220	220	220	220	220	220	220	220
Dry Water Years (22%)	220	220	220	220	220	220	220	220	220	220	220	220
Critical Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220

Table 5B1-8-1b. Sites Reservoir Elevation, Alternative 1A 051722, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	487	488	497	497	497	497	497	497	496	495	493	490
20% Exceedance	486	487	488	497	497	497	497	497	496	495	492	488
30% Exceedance	480	480	484	487	491	497	497	496	495	492	488	482
40% Exceedance	466	466	469	479	484	488	487	485	483	478	473	469
50% Exceedance	452	451	458	465	467	477	480	479	476	469	461	455
60% Exceedance	441	436	446	446	459	459	461	463	459	458	452	449
70% Exceedance	418	415	415	420	432	438	444	438	434	432	428	421
80% Exceedance	364	366	367	383	408	418	416	414	405	387	375	368
90% Exceedance	342	342	343	350	366	377	377	375	371	364	345	343
Full Simulation Period Average[a]	434	434	439	444	451	456	457	456	453	448	442	438
Wet Water Years (32%)	483	484	487	477	484	488	491	492	491	490	488	485
Above Normal Water Years (15%)	457	458	462	449	460	470	471	471	470	469	464	460
Below Normal Water Years (17%)	424	426	434	429	436	441	442	441	439	435	430	428
Dry Water Years (22%)	409	406	413	439	444	450	449	448	442	433	423	416
Critical Water Years (15%)	356	354	354	394	397	399	395	391	383	374	365	359

Table 5B1-8-1c. Sites Reservoir Elevation, Alternative 1A 051722 minus No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	267	268	277	277	277	277	277	277	276	275	273	270
20% Exceedance	266	267	268	277	277	277	277	277	276	275	272	268
30% Exceedance	260	260	264	267	271	277	277	276	275	272	268	262
40% Exceedance	246	246	249	259	264	268	267	265	263	258	253	249
50% Exceedance	232	231	238	245	247	257	260	259	256	249	241	235
60% Exceedance	221	216	226	226	239	239	241	243	239	238	232	229
70% Exceedance	198	195	195	200	212	218	224	218	214	212	208	201
80% Exceedance	144	146	147	163	188	198	196	194	185	167	155	148
90% Exceedance	122	122	123	130	146	157	157	155	151	144	125	123
Full Simulation Period Average[a]	214	214	219	224	231	236	237	236	233	228	222	218
Wet Water Years (32%)	263	264	267	257	264	268	271	272	271	270	268	265
Above Normal Water Years (15%)	237	238	242	229	240	250	251	251	250	249	244	240
Below Normal Water Years (17%)	204	206	214	209	216	221	222	221	219	215	210	208
Dry Water Years (22%)	189	186	193	219	224	230	229	228	222	213	203	196
Critical Water Years (15%)	136	134	134	174	177	179	175	171	163	154	145	139

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-8-2a. Sites Reservoir Elevation, No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
20% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
30% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
40% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
50% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
60% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
70% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
80% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
90% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
Full Simulation Period Average[a]	220	220	220	220	220	220	220	220	220	220	220	220
Wet Water Years (32%)	220	220	220	220	220	220	220	220	220	220	220	220
Above Normal Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220
Below Normal Water Years (17%)	220	220	220	220	220	220	220	220	220	220	220	220
Dry Water Years (22%)	220	220	220	220	220	220	220	220	220	220	220	220
Critical Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220

Table 5B1-8-2b. Sites Reservoir Elevation, Alternative 1B 051722, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	487	488	497	497	497	497	497	497	496	495	492	490
20% Exceedance	485	486	487	497	497	497	497	496	495	494	491	487
30% Exceedance	473	474	481	487	489	497	497	490	488	485	481	478
40% Exceedance	459	460	463	469	478	485	483	478	471	467	464	462
50% Exceedance	445	446	451	458	461	466	470	469	466	459	451	446
60% Exceedance	430	426	430	435	450	452	455	456	453	448	443	437
70% Exceedance	406	405	405	411	423	430	435	434	428	421	414	410
80% Exceedance	354	354	361	381	402	411	409	407	398	381	366	360
90% Exceedance	336	338	340	347	354	370	372	371	366	360	341	339
Full Simulation Period Average[a]	428	429	433	439	446	452	452	451	447	442	436	432
Wet Water Years (32%)	481	483	485	475	482	486	490	490	490	488	485	483
Above Normal Water Years (15%)	452	452	457	445	457	467	468	468	463	460	456	453
Below Normal Water Years (17%)	417	418	427	423	430	435	436	434	431	427	422	420
Dry Water Years (22%)	398	395	403	432	438	444	442	438	432	423	412	405
Critical Water Years (15%)	349	348	349	388	391	394	391	386	377	368	359	352

Table 5B1-8-2c. Sites Reservoir Elevation, Alternative 1B 051722 minus No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	267	268	277	277	277	277	277	277	276	275	272	270
20% Exceedance	265	266	267	277	277	277	277	276	275	274	271	267
30% Exceedance	253	254	261	267	269	277	277	270	268	265	261	258
40% Exceedance	239	240	243	249	258	265	263	258	251	247	244	242
50% Exceedance	225	226	231	238	241	246	250	249	246	239	231	226
60% Exceedance	210	206	210	215	230	232	235	236	233	228	223	217
70% Exceedance	186	185	185	191	203	210	215	214	208	201	194	190
80% Exceedance	134	134	141	161	182	191	189	187	178	161	146	140
90% Exceedance	116	118	120	127	134	150	152	151	146	140	121	119
Full Simulation Period Average[a]	208	209	213	219	226	232	232	231	227	222	216	212
Wet Water Years (32%)	261	263	265	255	262	266	270	270	270	268	265	263
Above Normal Water Years (15%)	232	232	237	225	237	247	248	248	243	240	236	233
Below Normal Water Years (17%)	197	198	207	203	210	215	216	214	211	207	202	200
Dry Water Years (22%)	178	175	183	212	218	224	222	218	212	203	192	185
Critical Water Years (15%)	129	128	129	168	171	174	171	166	157	148	139	132

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-8-3a. Sites Reservoir Elevation, No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
20% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
30% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
40% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
50% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
60% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
70% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
80% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
90% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
Full Simulation Period Average[a]	220	220	220	220	220	220	220	220	220	220	220	220
Wet Water Years (32%)	220	220	220	220	220	220	220	220	220	220	220	220
Above Normal Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220
Below Normal Water Years (17%)	220	220	220	220	220	220	220	220	220	220	220	220
Dry Water Years (22%)	220	220	220	220	220	220	220	220	220	220	220	220
Critical Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220

Table 5B1-8-3b. Sites Reservoir Elevation, Alternative 2 051722, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	469	469	479	479	479	479	479	479	478	477	474	471
20% Exceedance	467	468	469	479	479	479	479	479	478	477	473	470
30% Exceedance	461	461	466	470	479	479	479	478	477	473	469	463
40% Exceedance	454	455	458	463	465	471	473	472	471	466	462	457
50% Exceedance	445	444	448	453	459	464	466	466	461	455	451	449
60% Exceedance	422	416	426	433	443	448	455	456	451	445	435	430
70% Exceedance	408	400	400	413	423	430	430	428	424	422	413	405
80% Exceedance	352	353	355	375	391	411	407	404	389	381	367	360
90% Exceedance	339	339	339	347	353	371	375	373	367	360	345	342
Full Simulation Period Average[a]	420	420	425	431	438	443	444	443	440	435	428	424
Wet Water Years (32%)	467	468	470	462	469	472	475	476	475	474	471	469
Above Normal Water Years (15%)	447	448	453	438	450	460	461	461	460	458	453	448
Below Normal Water Years (17%)	410	411	420	415	423	427	429	428	426	422	416	413
Dry Water Years (22%)	393	390	397	424	429	436	435	433	428	418	407	400
Critical Water Years (15%)	346	345	345	385	388	391	387	383	375	365	356	349

Table 5B1-8-3c. Sites Reservoir Elevation, Alternative 2 051722 minus No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	249	249	259	259	259	259	259	259	258	257	254	251
20% Exceedance	247	248	249	259	259	259	259	259	258	257	253	250
30% Exceedance	241	241	246	250	259	259	259	258	257	253	249	243
40% Exceedance	234	235	238	243	245	251	253	252	251	246	242	237
50% Exceedance	225	224	228	233	239	244	246	246	241	235	231	229
60% Exceedance	202	196	206	213	223	228	235	236	231	225	215	210
70% Exceedance	188	180	180	193	203	210	210	208	204	202	193	185
80% Exceedance	132	133	135	155	171	191	187	184	169	161	147	140
90% Exceedance	119	119	119	127	133	151	155	153	147	140	125	122
Full Simulation Period Average[a]	200	200	205	211	218	223	224	223	220	215	208	204
Wet Water Years (32%)	247	248	250	242	249	252	255	256	255	254	251	249
Above Normal Water Years (15%)	227	228	233	218	230	240	241	241	240	238	233	228
Below Normal Water Years (17%)	190	191	200	195	203	207	209	208	206	202	196	193
Dry Water Years (22%)	173	170	177	204	209	216	215	213	208	198	187	180
Critical Water Years (15%)	126	125	125	165	168	171	167	163	155	145	136	129

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-8-4a. Sites Reservoir Elevation, No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
20% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
30% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
40% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
50% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
60% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
70% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
80% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
90% Exceedance	220	220	220	220	220	220	220	220	220	220	220	220
Full Simulation Period Average[a]	220	220	220	220	220	220	220	220	220	220	220	220
Wet Water Years (32%)	220	220	220	220	220	220	220	220	220	220	220	220
Above Normal Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220
Below Normal Water Years (17%)	220	220	220	220	220	220	220	220	220	220	220	220
Dry Water Years (22%)	220	220	220	220	220	220	220	220	220	220	220	220
Critical Water Years (15%)	220	220	220	220	220	220	220	220	220	220	220	220

Table 5B1-8-4b. Sites Reservoir Elevation, Alternative 3 051722, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	487	488	497	497	497	497	497	497	496	495	492	490
20% Exceedance	485	486	487	490	497	497	497	496	495	494	491	487
30% Exceedance	455	456	464	473	485	497	496	487	479	469	462	457
40% Exceedance	446	447	452	455	462	470	469	470	466	456	450	447
50% Exceedance	429	428	433	442	447	456	458	457	450	443	438	431
60% Exceedance	405	404	414	421	432	439	442	442	431	420	415	408
70% Exceedance	381	376	388	401	414	425	418	417	417	406	397	385
80% Exceedance	341	343	344	365	376	394	392	385	372	361	346	344
90% Exceedance	328	328	329	334	345	365	367	363	353	341	333	331
Full Simulation Period Average[a]	416	416	421	428	437	443	444	441	436	428	422	418
Wet Water Years (32%)	479	480	482	467	477	483	487	487	487	486	483	480
Above Normal Water Years (15%)	435	436	443	436	449	460	461	461	456	445	436	431
Below Normal Water Years (17%)	398	399	408	410	419	425	427	424	416	409	403	401
Dry Water Years (22%)	377	375	383	416	423	430	428	423	413	401	391	383
Critical Water Years (15%)	338	337	337	375	379	382	378	371	363	352	344	341

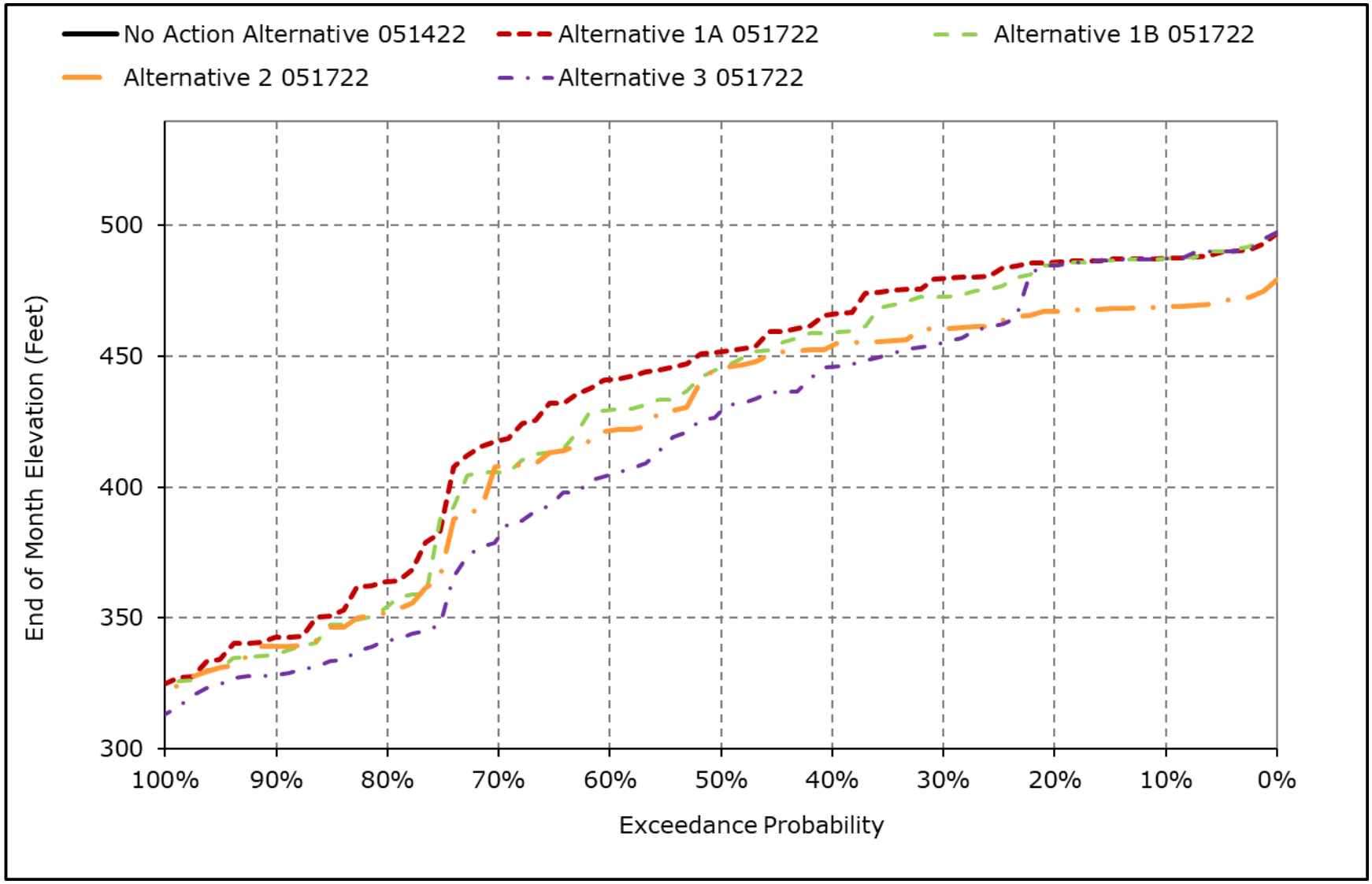
Table 5B1-8-4c. Sites Reservoir Elevation, Alternative 3 051722 minus No Action Alternative 051422, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	267	268	277	277	277	277	277	277	276	275	272	270
20% Exceedance	265	266	267	270	277	277	277	276	275	274	271	267
30% Exceedance	235	236	244	253	265	277	276	267	259	249	242	237
40% Exceedance	226	227	232	235	242	250	249	250	246	236	230	227
50% Exceedance	209	208	213	222	227	236	238	237	230	223	218	211
60% Exceedance	185	184	194	201	212	219	222	222	211	200	195	188
70% Exceedance	161	156	168	181	194	205	198	197	197	186	177	165
80% Exceedance	121	123	124	145	156	174	172	165	152	141	126	124
90% Exceedance	108	108	109	114	125	145	147	143	133	121	113	111
Full Simulation Period Average[a]	196	196	201	208	217	223	224	221	216	208	202	198
Wet Water Years (32%)	259	260	262	247	257	263	267	267	267	266	263	260
Above Normal Water Years (15%)	215	216	223	216	229	240	241	241	236	225	216	211
Below Normal Water Years (17%)	178	179	188	190	199	205	207	204	196	189	183	181
Dry Water Years (22%)	157	155	163	196	203	210	208	203	193	181	171	163
Critical Water Years (15%)	118	117	117	155	159	162	158	151	143	132	124	121

[a] Based on the 82-year simulation period.

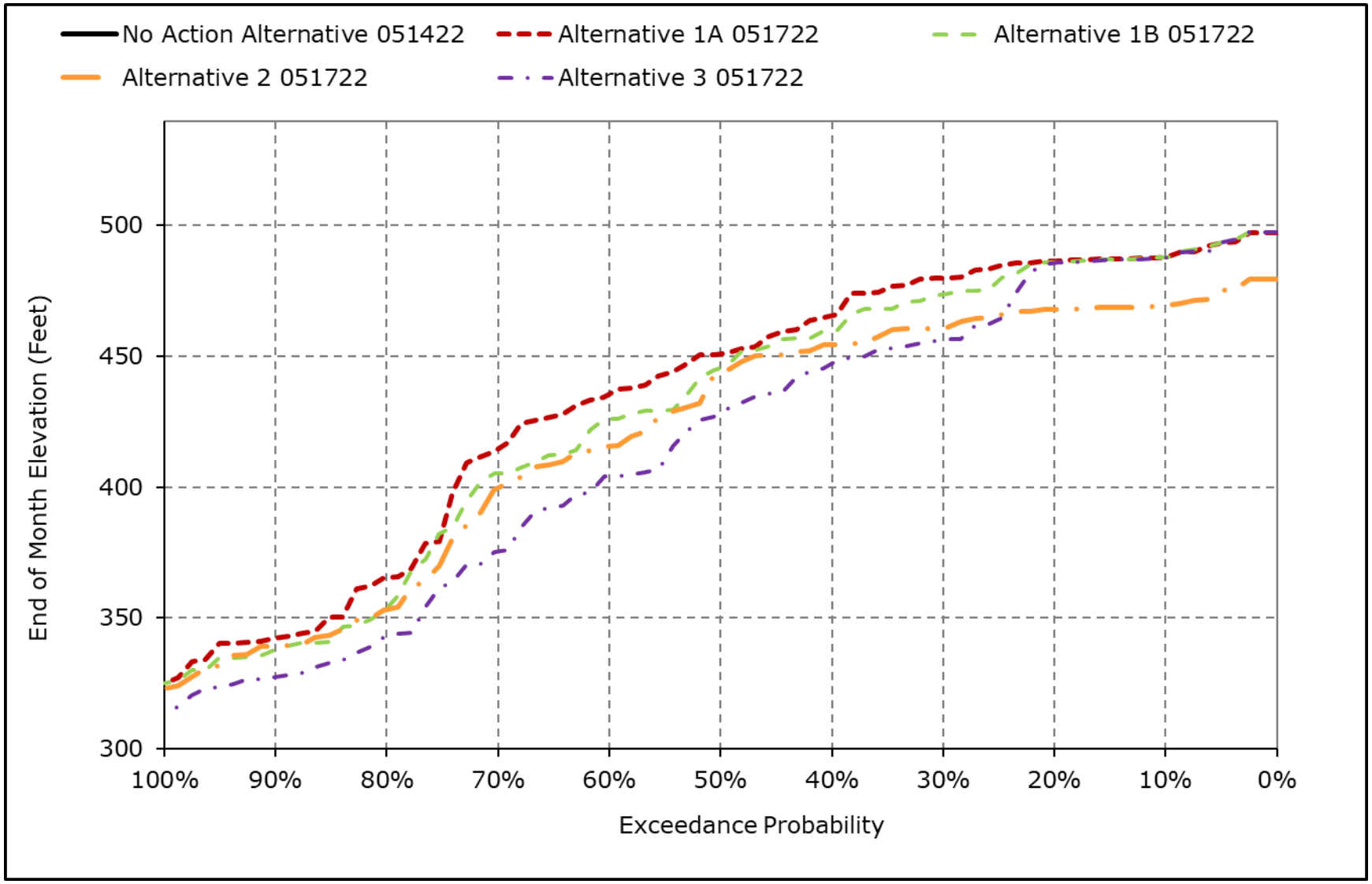
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-8-1. Sites Reservoir Elevation, October



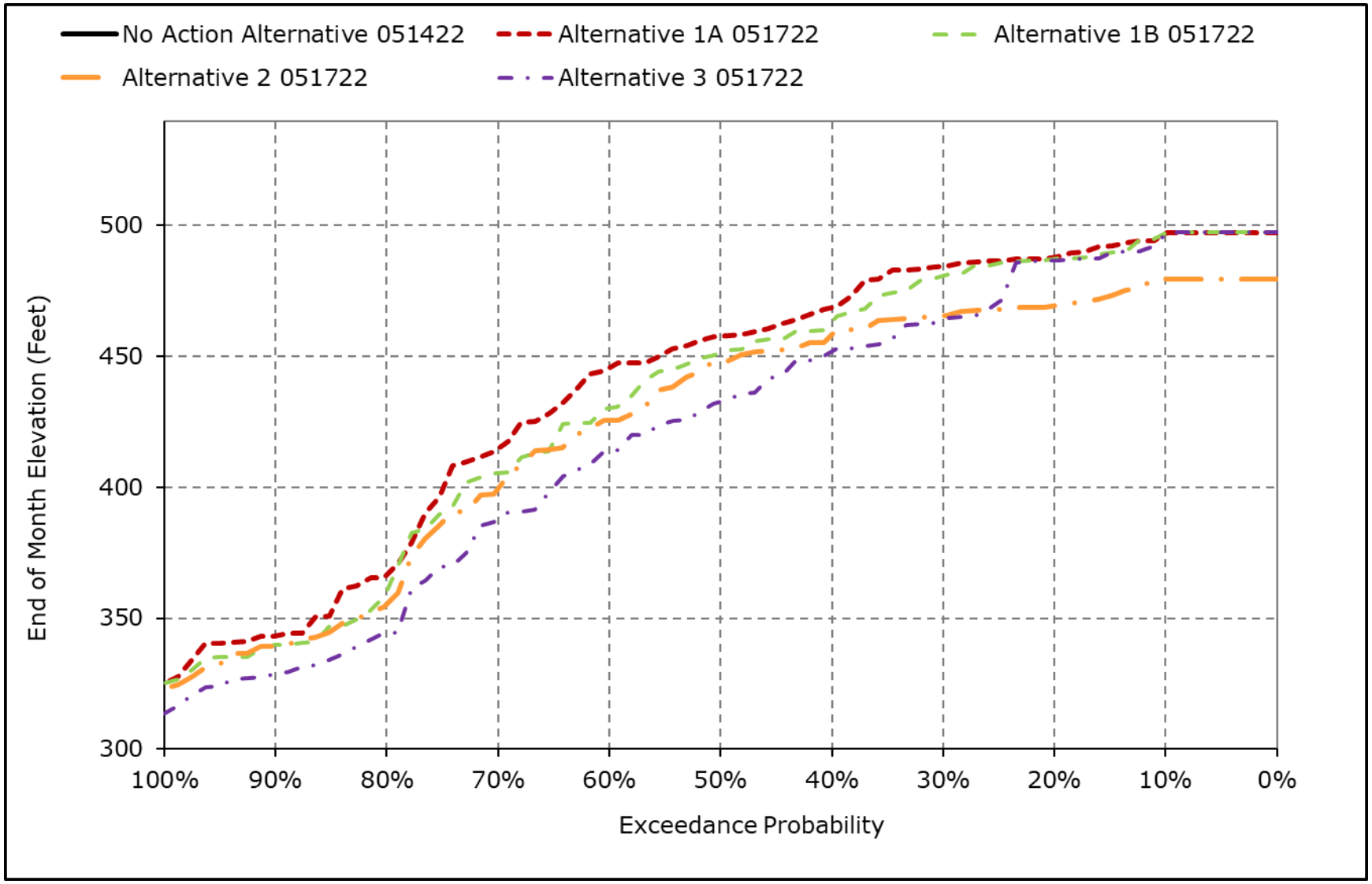
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-2. Sites Reservoir Elevation, November



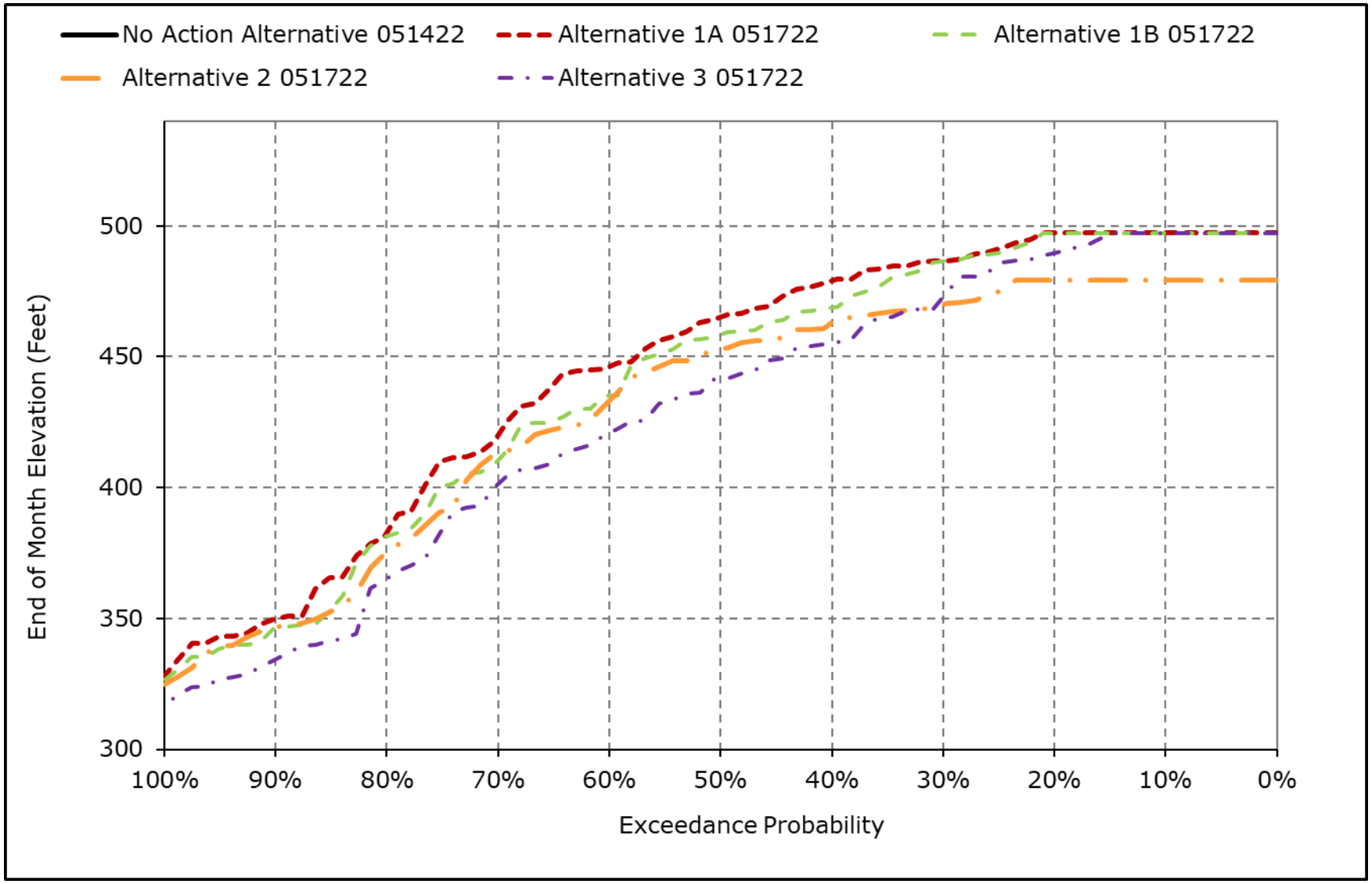
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-3. Sites Reservoir Elevation, December



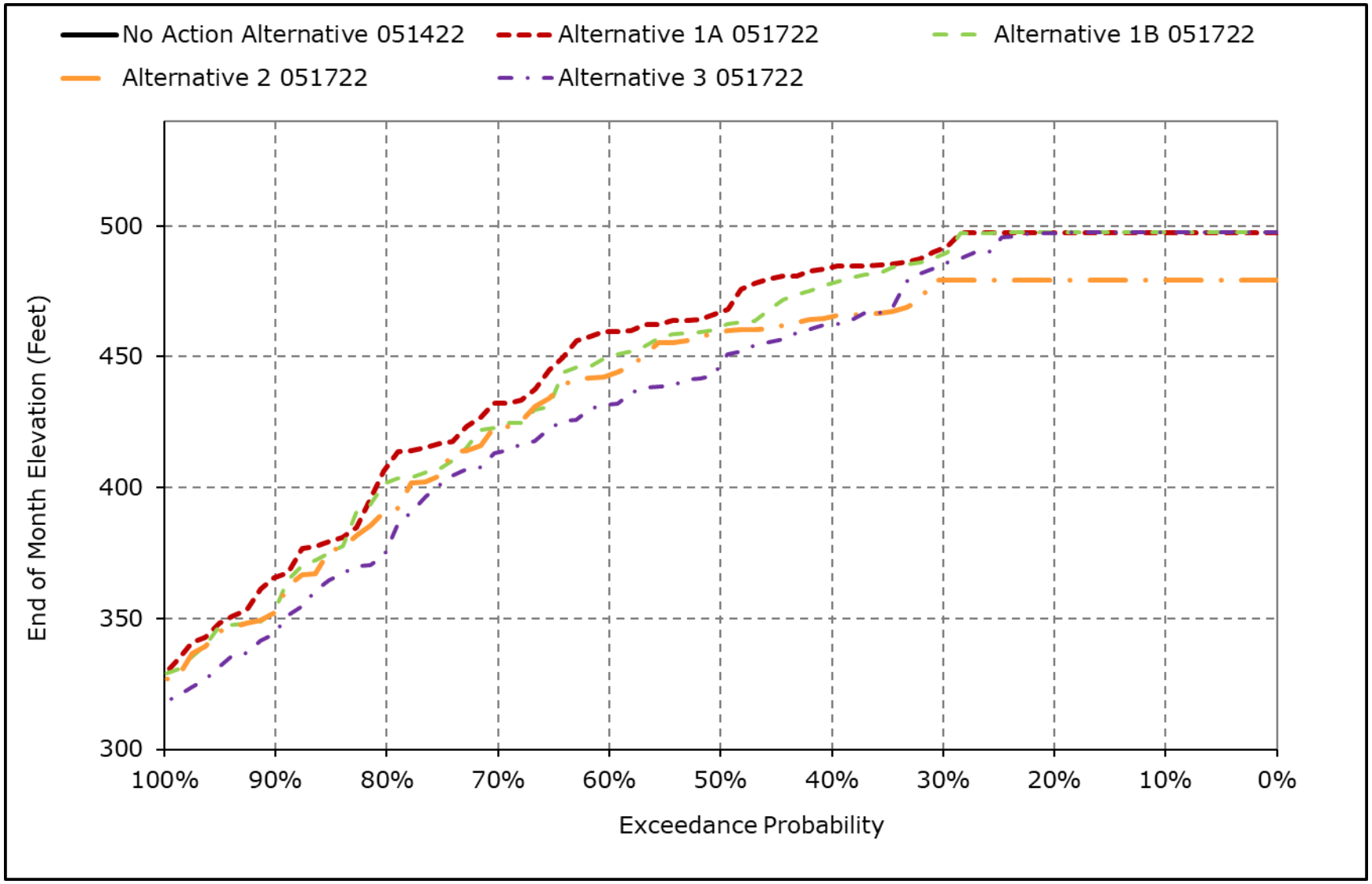
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-4. Sites Reservoir Elevation, January



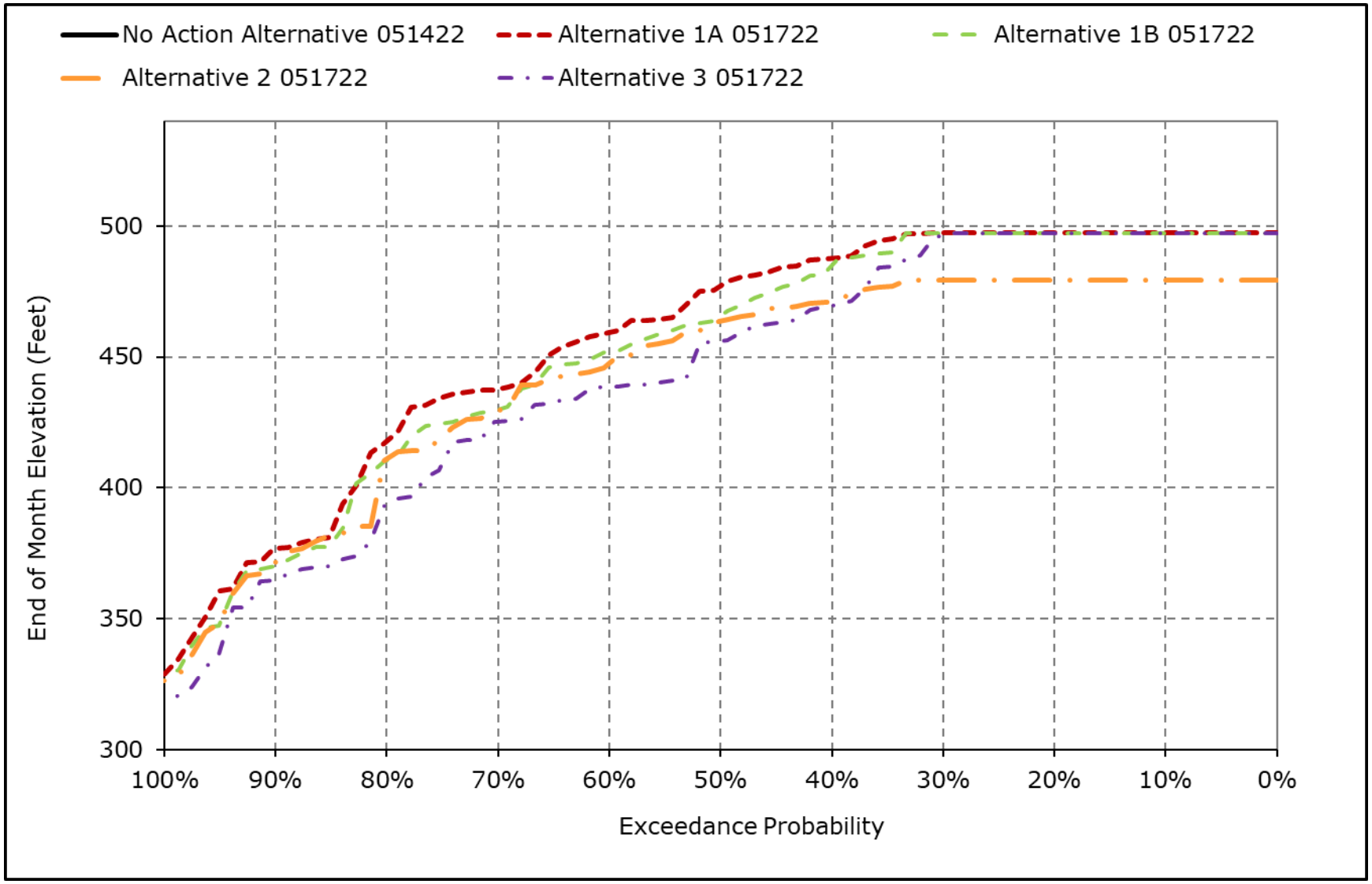
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-5. Sites Reservoir Elevation, February



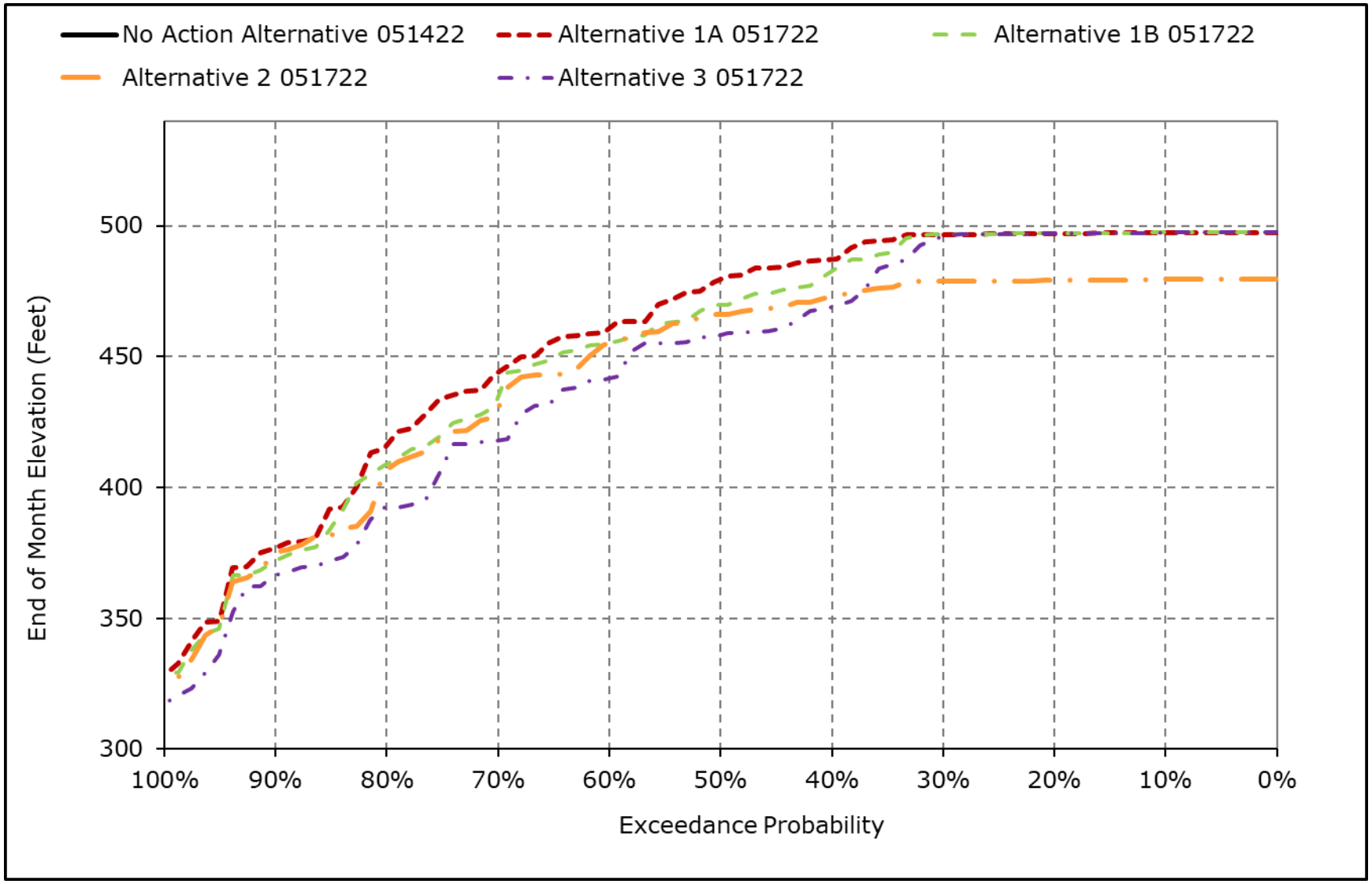
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-6. Sites Reservoir Elevation, March



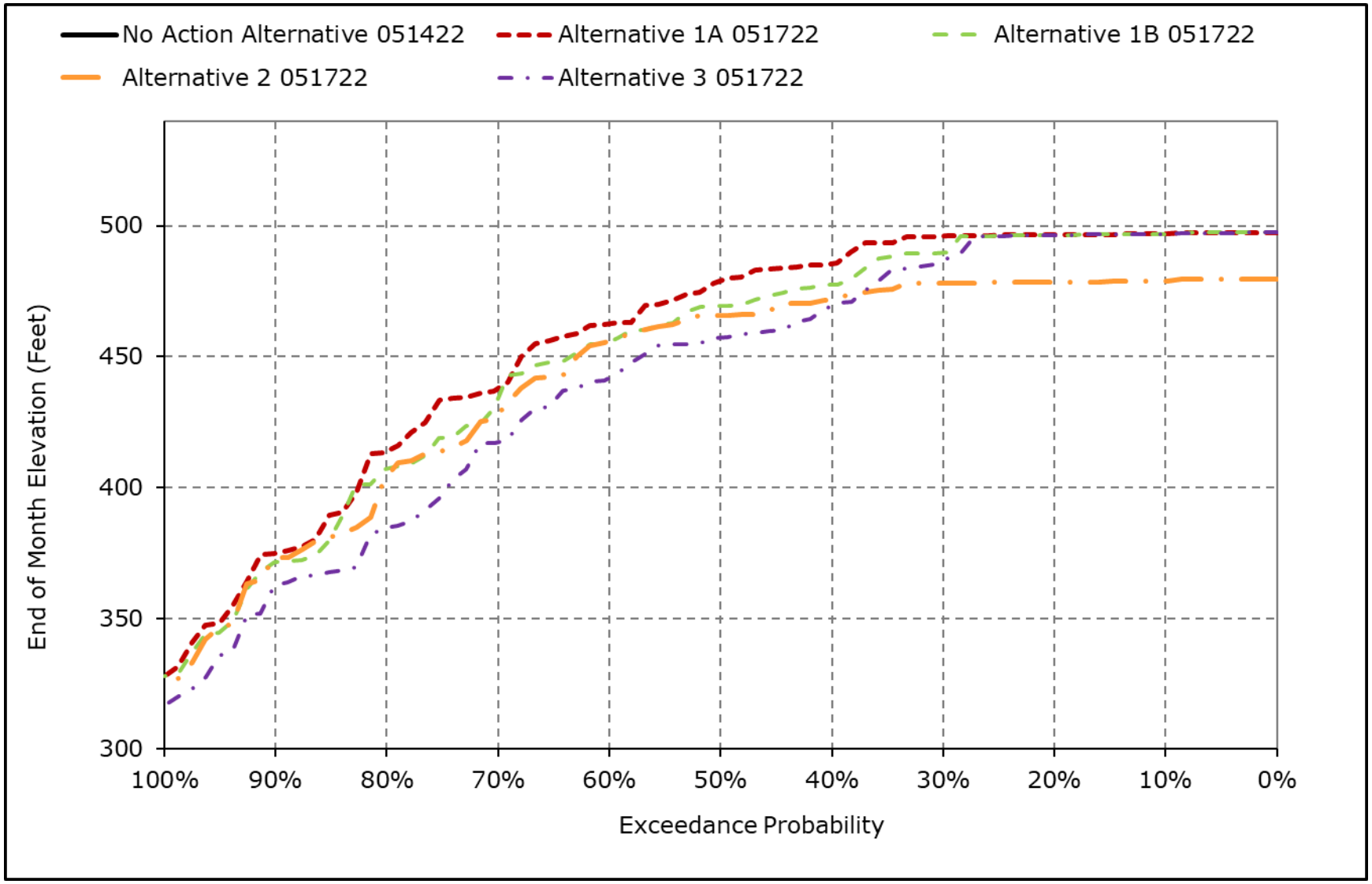
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-7. Sites Reservoir Elevation, April



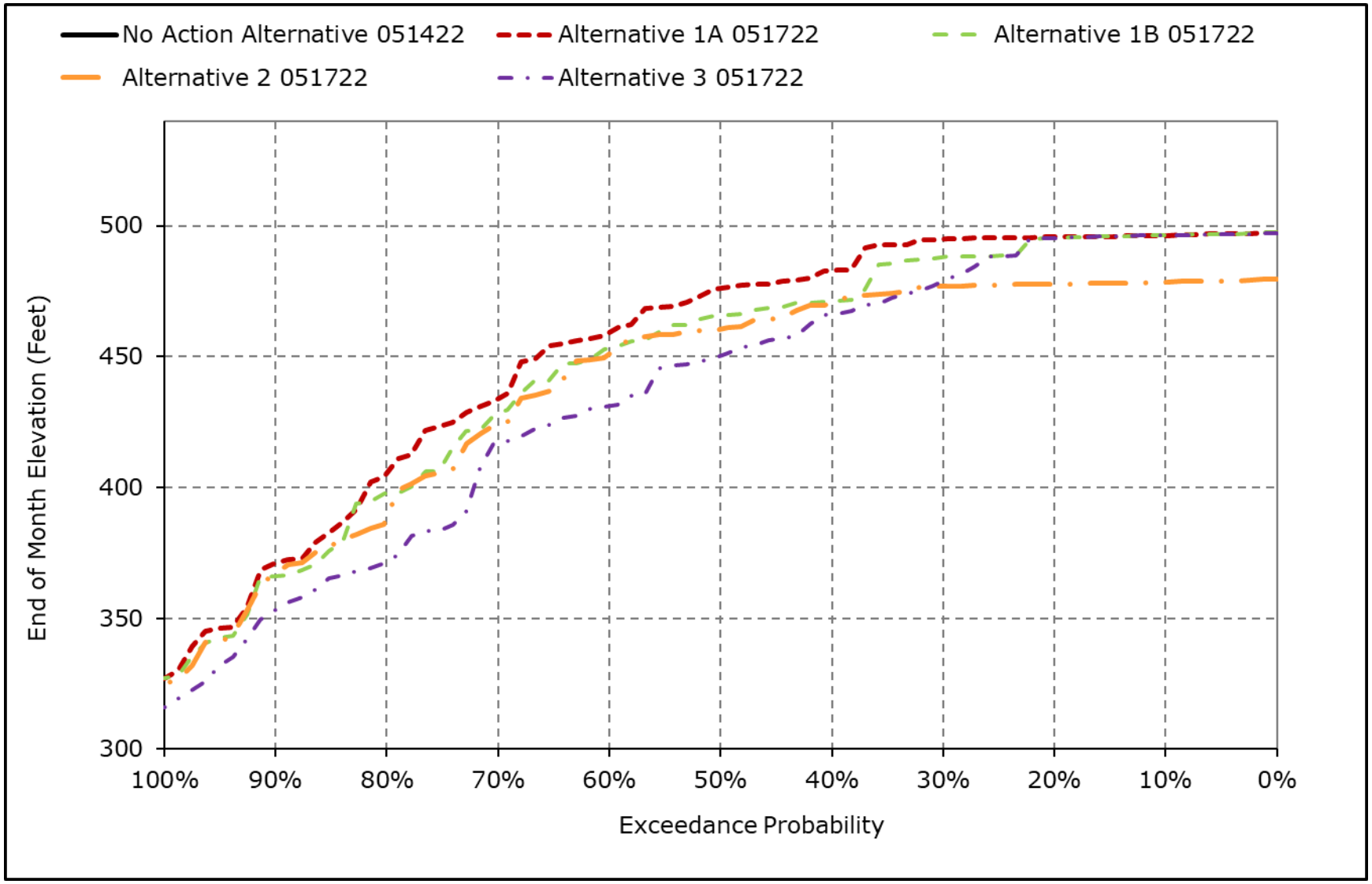
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-8. Sites Reservoir Elevation, May



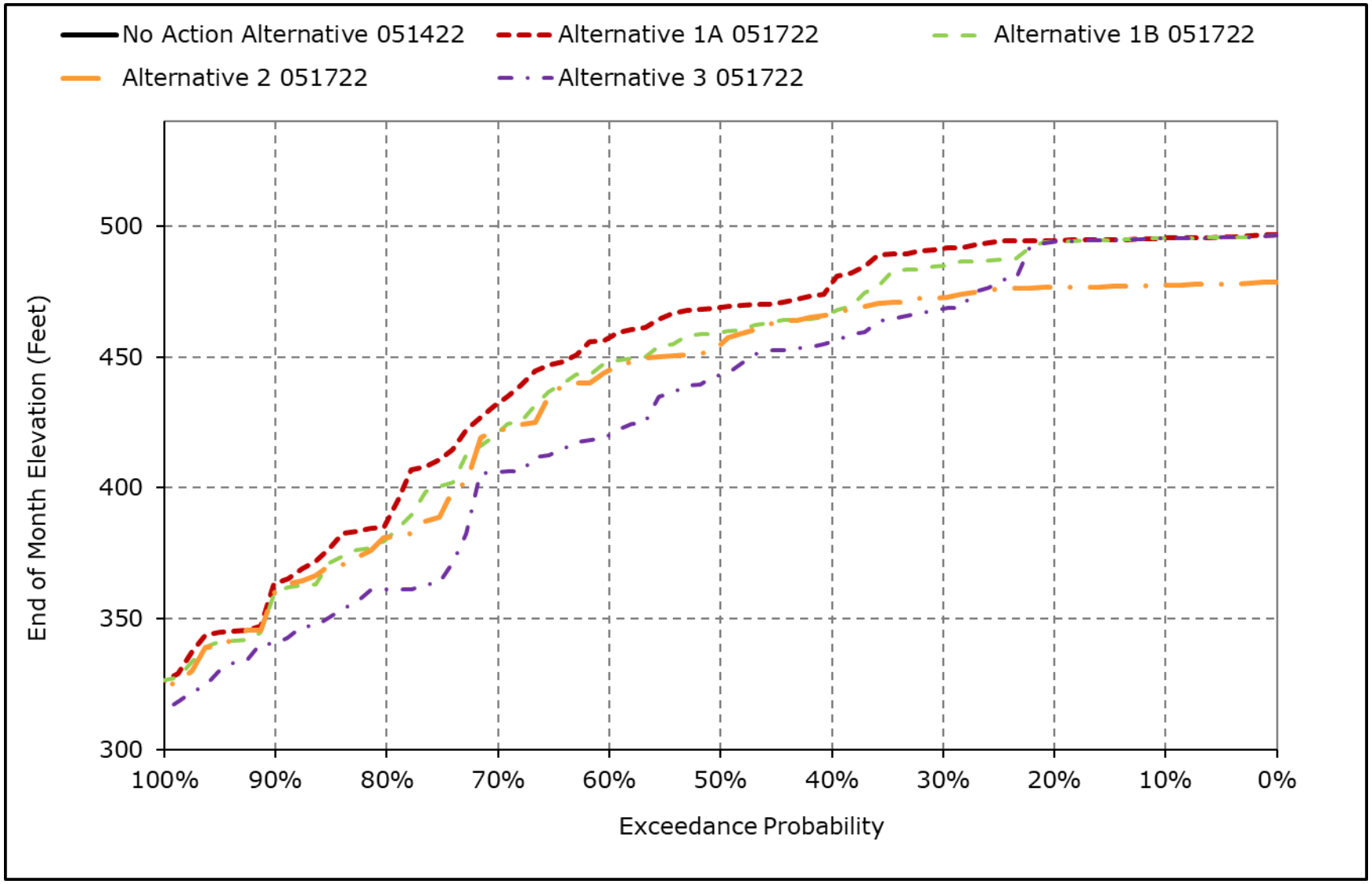
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-9. Sites Reservoir Elevation, June



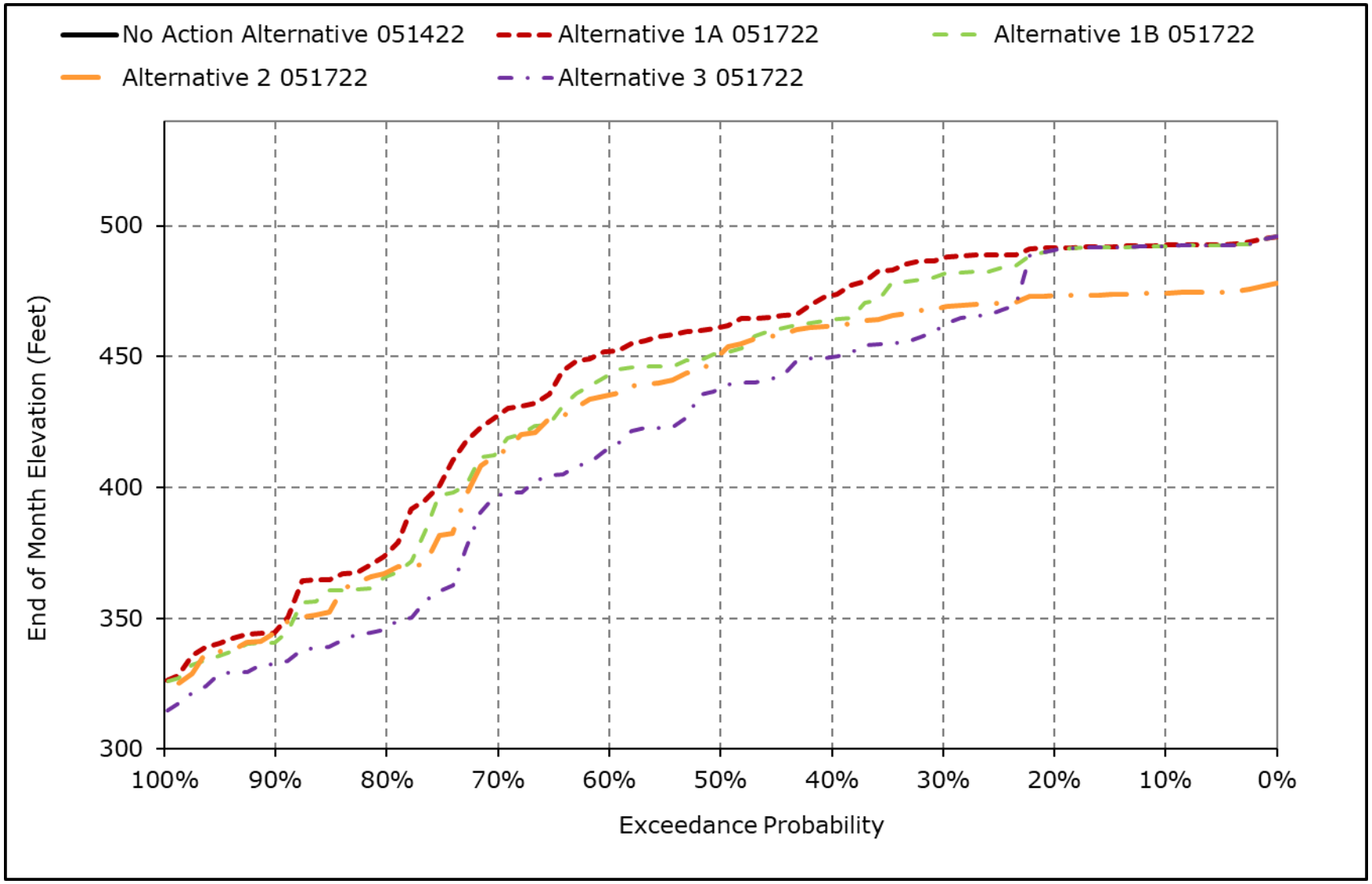
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-10. Sites Reservoir Elevation, July



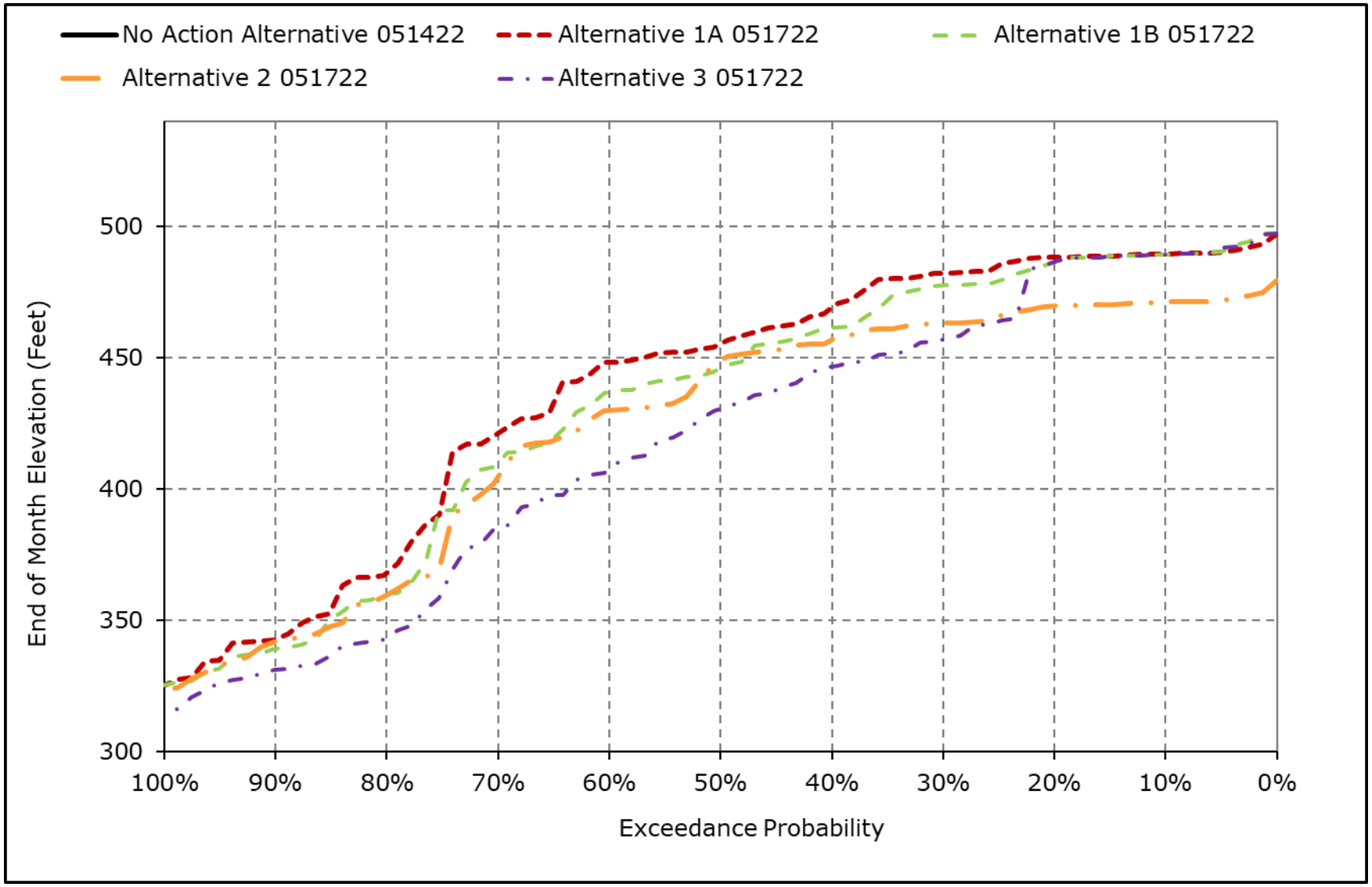
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-11. Sites Reservoir Elevation, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-8-12. Sites Reservoir Elevation, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 5B1-9-1a. Sites Reservoir Surface Area, No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-9-1b. Sites Reservoir Surface Area, Alternative 1A 051722, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,670	12,691	13,115	13,130	13,130	13,130	13,130	13,111	13,079	13,038	12,904	12,776
20% Exceedance	12,599	12,630	12,690	13,130	13,130	13,130	13,114	13,089	13,052	13,000	12,860	12,714
30% Exceedance	12,318	12,327	12,529	12,636	12,846	13,125	13,098	13,068	13,016	12,859	12,686	12,437
40% Exceedance	11,617	11,597	11,761	12,281	12,513	12,679	12,658	12,576	12,457	12,239	11,994	11,777
50% Exceedance	10,884	10,849	11,209	11,577	11,678	12,185	12,308	12,276	12,135	11,772	11,374	11,080
60% Exceedance	10,331	10,010	10,564	10,598	11,291	11,280	11,361	11,446	11,275	11,193	10,901	10,712
70% Exceedance	8,958	8,752	8,761	9,095	9,820	10,131	10,475	10,136	9,916	9,819	9,551	9,196
80% Exceedance	5,502	5,607	5,673	6,675	8,262	8,951	8,848	8,680	8,086	6,937	6,185	5,773
90% Exceedance	4,003	4,004	4,053	4,526	5,607	6,312	6,311	6,184	5,946	5,479	4,189	4,036
Full Simulation Period Average[a]	9,665	9,650	9,878	10,202	10,595	10,889	10,922	10,866	10,694	10,433	10,103	9,855
Wet Water Years (32%)	12,455	12,512	12,615	12,052	12,441	12,676	12,840	12,876	12,843	12,797	12,668	12,547
Above Normal Water Years (15%)	11,137	11,170	11,385	10,578	11,224	11,777	11,841	11,818	11,793	11,704	11,486	11,268
Below Normal Water Years (17%)	9,139	9,228	9,669	9,351	9,775	10,039	10,144	10,094	9,975	9,745	9,460	9,314
Dry Water Years (22%)	8,270	8,079	8,478	9,907	10,248	10,557	10,515	10,450	10,169	9,667	9,060	8,646
Critical Water Years (15%)	4,850	4,782	4,785	7,255	7,443	7,618	7,362	7,080	6,567	5,988	5,474	5,053

Table 5B1-9-1c. Sites Reservoir Surface Area, Alternative 1A 051722 minus No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,670	12,691	13,115	13,130	13,130	13,130	13,130	13,111	13,079	13,038	12,904	12,776
20% Exceedance	12,599	12,630	12,690	13,130	13,130	13,130	13,114	13,089	13,052	13,000	12,860	12,714
30% Exceedance	12,318	12,327	12,529	12,636	12,846	13,125	13,098	13,068	13,016	12,859	12,686	12,437
40% Exceedance	11,617	11,597	11,761	12,281	12,513	12,679	12,658	12,576	12,457	12,239	11,994	11,777
50% Exceedance	10,884	10,849	11,209	11,577	11,678	12,185	12,308	12,276	12,135	11,772	11,374	11,080
60% Exceedance	10,331	10,010	10,564	10,598	11,291	11,280	11,361	11,446	11,275	11,193	10,901	10,712
70% Exceedance	8,958	8,752	8,761	9,095	9,820	10,131	10,475	10,136	9,916	9,819	9,551	9,196
80% Exceedance	5,502	5,607	5,673	6,675	8,262	8,951	8,848	8,680	8,086	6,937	6,185	5,773
90% Exceedance	4,003	4,004	4,053	4,526	5,607	6,312	6,311	6,184	5,946	5,479	4,189	4,036
Full Simulation Period Average[a]	9,665	9,650	9,878	10,202	10,595	10,889	10,922	10,866	10,694	10,433	10,103	9,855
Wet Water Years (32%)	12,455	12,512	12,615	12,052	12,441	12,676	12,840	12,876	12,843	12,797	12,668	12,547
Above Normal Water Years (15%)	11,137	11,170	11,385	10,578	11,224	11,777	11,841	11,818	11,793	11,704	11,486	11,268
Below Normal Water Years (17%)	9,139	9,228	9,669	9,351	9,775	10,039	10,144	10,094	9,975	9,745	9,460	9,314
Dry Water Years (22%)	8,270	8,079	8,478	9,907	10,248	10,557	10,515	10,450	10,169	9,667	9,060	8,646
Critical Water Years (15%)	4,850	4,782	4,785	7,255	7,443	7,618	7,362	7,080	6,567	5,988	5,474	5,053

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-9-2a. Sites Reservoir Surface Area, No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-9-2b. Sites Reservoir Surface Area, Alternative 1B 051722, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,673	12,690	13,117	13,130	13,130	13,130	13,129	13,107	13,078	13,032	12,891	12,768
20% Exceedance	12,553	12,599	12,658	13,129	13,130	13,130	13,114	13,089	13,036	12,981	12,822	12,637
30% Exceedance	11,964	12,018	12,369	12,630	12,749	13,125	13,098	12,772	12,698	12,549	12,391	12,206
40% Exceedance	11,275	11,314	11,487	11,758	12,225	12,551	12,448	12,204	11,875	11,665	11,516	11,402
50% Exceedance	10,552	10,556	10,866	11,236	11,384	11,600	11,807	11,793	11,605	11,283	10,853	10,579
60% Exceedance	9,670	9,469	9,706	9,984	10,784	10,887	11,070	11,090	10,963	10,687	10,436	10,101
70% Exceedance	8,104	8,082	8,082	8,449	9,306	9,679	9,967	9,923	9,598	9,192	8,725	8,421
80% Exceedance	4,855	4,818	5,285	6,602	7,850	8,448	8,342	8,196	7,563	6,560	5,641	5,259
90% Exceedance	3,539	3,687	3,809	4,295	4,817	5,896	6,010	5,977	5,646	5,252	3,906	3,787
Full Simulation Period Average[a]	9,301	9,298	9,550	9,916	10,336	10,652	10,684	10,587	10,361	10,078	9,739	9,488
Wet Water Years (32%)	12,366	12,437	12,545	11,921	12,325	12,579	12,754	12,789	12,756	12,700	12,564	12,450
Above Normal Water Years (15%)	10,815	10,849	11,109	10,356	11,019	11,608	11,673	11,650	11,444	11,275	11,081	10,875
Below Normal Water Years (17%)	8,713	8,787	9,271	8,932	9,414	9,699	9,798	9,675	9,485	9,266	8,984	8,884
Dry Water Years (22%)	7,571	7,415	7,850	9,527	9,899	10,230	10,138	9,961	9,623	9,091	8,472	8,011
Critical Water Years (15%)	4,427	4,365	4,373	6,862	7,074	7,266	7,063	6,755	6,216	5,624	5,054	4,606

Table 5B1-9-2c. Sites Reservoir Surface Area, Alternative 1B 051722 minus No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,673	12,690	13,117	13,130	13,130	13,130	13,129	13,107	13,078	13,032	12,891	12,768
20% Exceedance	12,553	12,599	12,658	13,129	13,130	13,130	13,114	13,089	13,036	12,981	12,822	12,637
30% Exceedance	11,964	12,018	12,369	12,630	12,749	13,125	13,098	12,772	12,698	12,549	12,391	12,206
40% Exceedance	11,275	11,314	11,487	11,758	12,225	12,551	12,448	12,204	11,875	11,665	11,516	11,402
50% Exceedance	10,552	10,556	10,866	11,236	11,384	11,600	11,807	11,793	11,605	11,283	10,853	10,579
60% Exceedance	9,670	9,469	9,706	9,984	10,784	10,887	11,070	11,090	10,963	10,687	10,436	10,101
70% Exceedance	8,104	8,082	8,082	8,449	9,306	9,679	9,967	9,923	9,598	9,192	8,725	8,421
80% Exceedance	4,855	4,818	5,285	6,602	7,850	8,448	8,342	8,196	7,563	6,560	5,641	5,259
90% Exceedance	3,539	3,687	3,809	4,295	4,817	5,896	6,010	5,977	5,646	5,252	3,906	3,787
Full Simulation Period Average[a]	9,301	9,298	9,550	9,916	10,336	10,652	10,684	10,587	10,361	10,078	9,739	9,488
Wet Water Years (32%)	12,366	12,437	12,545	11,921	12,325	12,579	12,754	12,789	12,756	12,700	12,564	12,450
Above Normal Water Years (15%)	10,815	10,849	11,109	10,356	11,019	11,608	11,673	11,650	11,444	11,275	11,081	10,875
Below Normal Water Years (17%)	8,713	8,787	9,271	8,932	9,414	9,699	9,798	9,675	9,485	9,266	8,984	8,884
Dry Water Years (22%)	7,571	7,415	7,850	9,527	9,899	10,230	10,138	9,961	9,623	9,091	8,472	8,011
Critical Water Years (15%)	4,427	4,365	4,373	6,862	7,074	7,266	7,063	6,755	6,216	5,624	5,054	4,606

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-9-3a. Sites Reservoir Surface Area, No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-9-3b. Sites Reservoir Surface Area, Alternative 2 051722, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,769	11,788	12,297	12,297	12,297	12,297	12,297	12,275	12,241	12,194	12,037	11,897
20% Exceedance	11,682	11,718	11,786	12,297	12,297	12,297	12,279	12,251	12,209	12,151	11,988	11,816
30% Exceedance	11,354	11,372	11,597	11,817	12,290	12,291	12,260	12,227	12,168	11,952	11,766	11,493
40% Exceedance	11,003	11,029	11,225	11,475	11,581	11,873	11,967	11,909	11,852	11,633	11,408	11,157
50% Exceedance	10,548	10,470	10,700	10,946	11,290	11,502	11,619	11,598	11,345	11,048	10,849	10,747
60% Exceedance	9,219	8,812	9,439	9,881	10,424	10,661	11,056	11,096	10,842	10,530	9,999	9,695
70% Exceedance	8,269	7,690	7,692	8,623	9,300	9,671	9,700	9,579	9,361	9,236	8,594	8,035
80% Exceedance	4,711	4,788	4,933	6,218	7,163	8,479	8,188	7,988	7,032	6,592	5,724	5,237
90% Exceedance	3,767	3,778	3,784	4,304	4,748	5,969	6,207	6,080	5,688	5,268	4,168	3,952
Full Simulation Period Average[a]	8,882	8,870	9,126	9,494	9,901	10,213	10,257	10,194	10,015	9,733	9,361	9,087
Wet Water Years (32%)	11,647	11,712	11,831	11,345	11,711	11,924	12,097	12,132	12,096	12,044	11,897	11,755
Above Normal Water Years (15%)	10,584	10,624	10,876	10,025	10,696	11,283	11,346	11,322	11,299	11,191	10,932	10,658
Below Normal Water Years (17%)	8,316	8,420	8,919	8,557	9,029	9,316	9,420	9,369	9,248	9,008	8,665	8,506
Dry Water Years (22%)	7,289	7,092	7,539	9,074	9,435	9,813	9,765	9,694	9,388	8,839	8,182	7,734
Critical Water Years (15%)	4,241	4,153	4,141	6,674	6,899	7,082	6,892	6,581	6,059	5,457	4,873	4,447

Table 5B1-9-3c. Sites Reservoir Surface Area, Alternative 2 051722 minus No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,769	11,788	12,297	12,297	12,297	12,297	12,297	12,275	12,241	12,194	12,037	11,897
20% Exceedance	11,682	11,718	11,786	12,297	12,297	12,297	12,279	12,251	12,209	12,151	11,988	11,816
30% Exceedance	11,354	11,372	11,597	11,817	12,290	12,291	12,260	12,227	12,168	11,952	11,766	11,493
40% Exceedance	11,003	11,029	11,225	11,475	11,581	11,873	11,967	11,909	11,852	11,633	11,408	11,157
50% Exceedance	10,548	10,470	10,700	10,946	11,290	11,502	11,619	11,598	11,345	11,048	10,849	10,747
60% Exceedance	9,219	8,812	9,439	9,881	10,424	10,661	11,056	11,096	10,842	10,530	9,999	9,695
70% Exceedance	8,269	7,690	7,692	8,623	9,300	9,671	9,700	9,579	9,361	9,236	8,594	8,035
80% Exceedance	4,711	4,788	4,933	6,218	7,163	8,479	8,188	7,988	7,032	6,592	5,724	5,237
90% Exceedance	3,767	3,778	3,784	4,304	4,748	5,969	6,207	6,080	5,688	5,268	4,168	3,952
Full Simulation Period Average[a]	8,882	8,870	9,126	9,494	9,901	10,213	10,257	10,194	10,015	9,733	9,361	9,087
Wet Water Years (32%)	11,647	11,712	11,831	11,345	11,711	11,924	12,097	12,132	12,096	12,044	11,897	11,755
Above Normal Water Years (15%)	10,584	10,624	10,876	10,025	10,696	11,283	11,346	11,322	11,299	11,191	10,932	10,658
Below Normal Water Years (17%)	8,316	8,420	8,919	8,557	9,029	9,316	9,420	9,369	9,248	9,008	8,665	8,506
Dry Water Years (22%)	7,289	7,092	7,539	9,074	9,435	9,813	9,765	9,694	9,388	8,839	8,182	7,734
Critical Water Years (15%)	4,241	4,153	4,141	6,674	6,899	7,082	6,892	6,581	6,059	5,457	4,873	4,447

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Table 5B1-9-4a. Sites Reservoir Surface Area, No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B1-9-4b. Sites Reservoir Surface Area, Alternative 3 051722, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,667	12,677	13,105	13,130	13,130	13,130	13,128	13,107	13,078	13,032	12,892	12,768
20% Exceedance	12,551	12,591	12,628	12,773	13,125	13,130	13,113	13,089	13,036	12,979	12,817	12,635
30% Exceedance	11,073	11,126	11,526	11,974	12,577	13,092	13,064	12,640	12,266	11,749	11,406	11,165
40% Exceedance	10,585	10,648	10,892	11,068	11,443	11,798	11,766	11,801	11,633	11,100	10,778	10,613
50% Exceedance	9,641	9,602	9,849	10,348	10,622	11,100	11,227	11,174	10,804	10,430	10,143	9,734
60% Exceedance	8,036	7,998	8,694	9,180	9,800	10,192	10,351	10,361	9,759	9,127	8,768	8,261
70% Exceedance	6,565	6,232	6,978	7,803	8,667	9,425	8,971	8,935	8,941	8,128	7,521	6,833
80% Exceedance	3,919	4,037	4,135	5,583	6,288	7,329	7,249	6,791	5,999	5,329	4,287	4,082
90% Exceedance	2,984	2,933	3,008	3,429	4,180	5,556	5,681	5,435	4,769	3,879	3,301	3,198
Full Simulation Period Average[a]	8,519	8,525	8,830	9,264	9,773	10,161	10,202	10,047	9,730	9,289	8,883	8,662
Wet Water Years (32%)	12,233	12,308	12,407	11,557	12,090	12,407	12,613	12,648	12,614	12,557	12,418	12,305
Above Normal Water Years (15%)	9,887	9,931	10,331	9,839	10,608	11,248	11,319	11,295	11,027	10,421	9,939	9,671
Below Normal Water Years (17%)	7,571	7,608	8,174	8,180	8,750	9,123	9,225	9,076	8,642	8,216	7,871	7,768
Dry Water Years (22%)	6,213	6,119	6,657	8,570	9,010	9,453	9,366	9,056	8,528	7,808	7,106	6,637
Critical Water Years (15%)	3,666	3,599	3,602	6,024	6,255	6,479	6,256	5,782	5,256	4,551	4,010	3,844

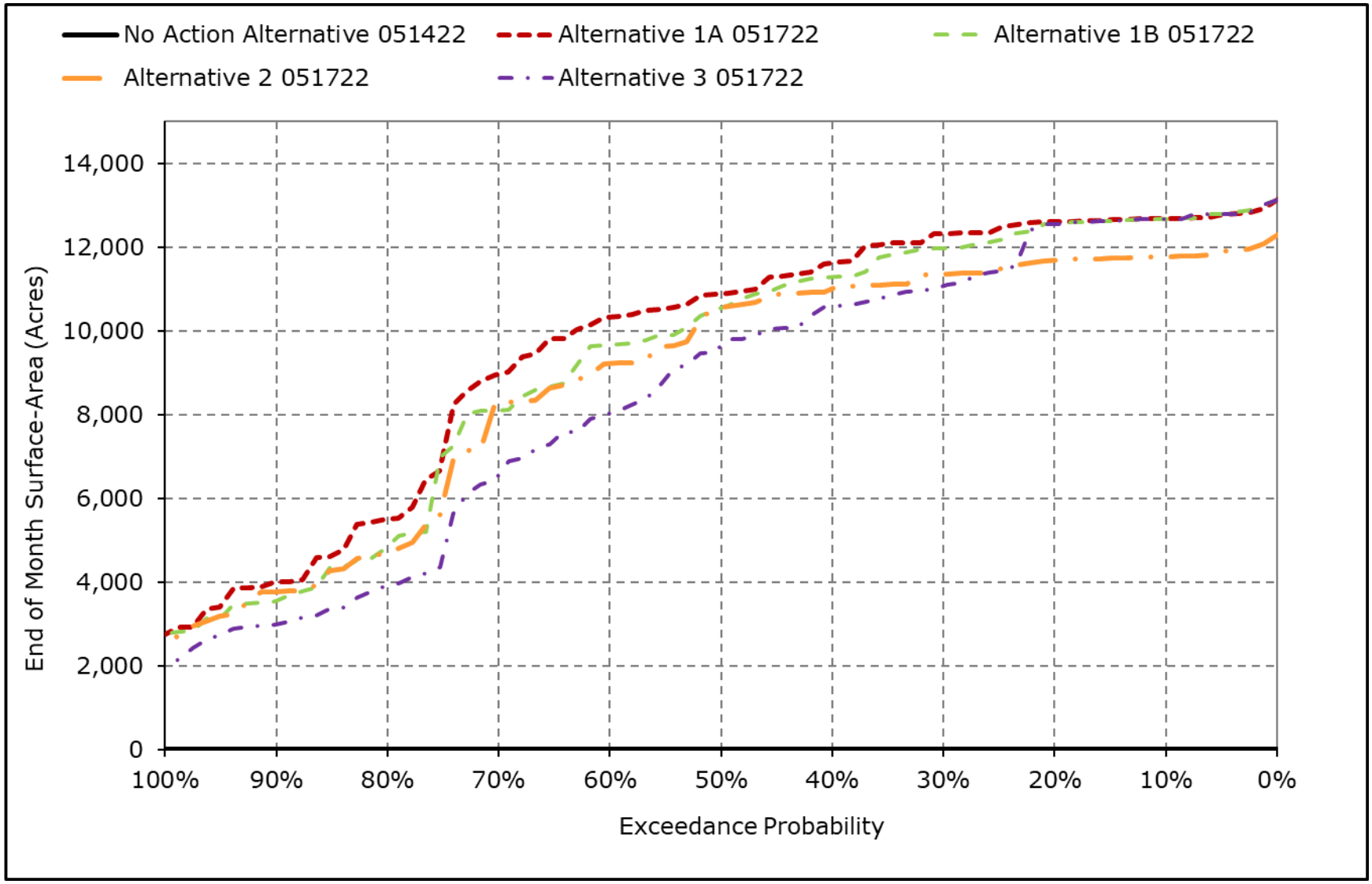
Table 5B1-9-4c. Sites Reservoir Surface Area, Alternative 3 051722 minus No Action Alternative 051422, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,667	12,677	13,105	13,130	13,130	13,130	13,128	13,107	13,078	13,032	12,892	12,768
20% Exceedance	12,551	12,591	12,628	12,773	13,125	13,130	13,113	13,089	13,036	12,979	12,817	12,635
30% Exceedance	11,073	11,126	11,526	11,974	12,577	13,092	13,064	12,640	12,266	11,749	11,406	11,165
40% Exceedance	10,585	10,648	10,892	11,068	11,443	11,798	11,766	11,801	11,633	11,100	10,778	10,613
50% Exceedance	9,641	9,602	9,849	10,348	10,622	11,100	11,227	11,174	10,804	10,430	10,143	9,734
60% Exceedance	8,036	7,998	8,694	9,180	9,800	10,192	10,351	10,361	9,759	9,127	8,768	8,261
70% Exceedance	6,565	6,232	6,978	7,803	8,667	9,425	8,971	8,935	8,941	8,128	7,521	6,833
80% Exceedance	3,919	4,037	4,135	5,583	6,288	7,329	7,249	6,791	5,999	5,329	4,287	4,082
90% Exceedance	2,984	2,933	3,008	3,429	4,180	5,556	5,681	5,435	4,769	3,879	3,301	3,198
Full Simulation Period Average[a]	8,519	8,525	8,830	9,264	9,773	10,161	10,202	10,047	9,730	9,289	8,883	8,662
Wet Water Years (32%)	12,233	12,308	12,407	11,557	12,090	12,407	12,613	12,648	12,614	12,557	12,418	12,305
Above Normal Water Years (15%)	9,887	9,931	10,331	9,839	10,608	11,248	11,319	11,295	11,027	10,421	9,939	9,671
Below Normal Water Years (17%)	7,571	7,608	8,174	8,180	8,750	9,123	9,225	9,076	8,642	8,216	7,871	7,768
Dry Water Years (22%)	6,213	6,119	6,657	8,570	9,010	9,453	9,366	9,056	8,528	7,808	7,106	6,637
Critical Water Years (15%)	3,666	3,599	3,602	6,024	6,255	6,479	6,256	5,782	5,256	4,551	4,010	3,844

[a] Based on the 82-year simulation period.

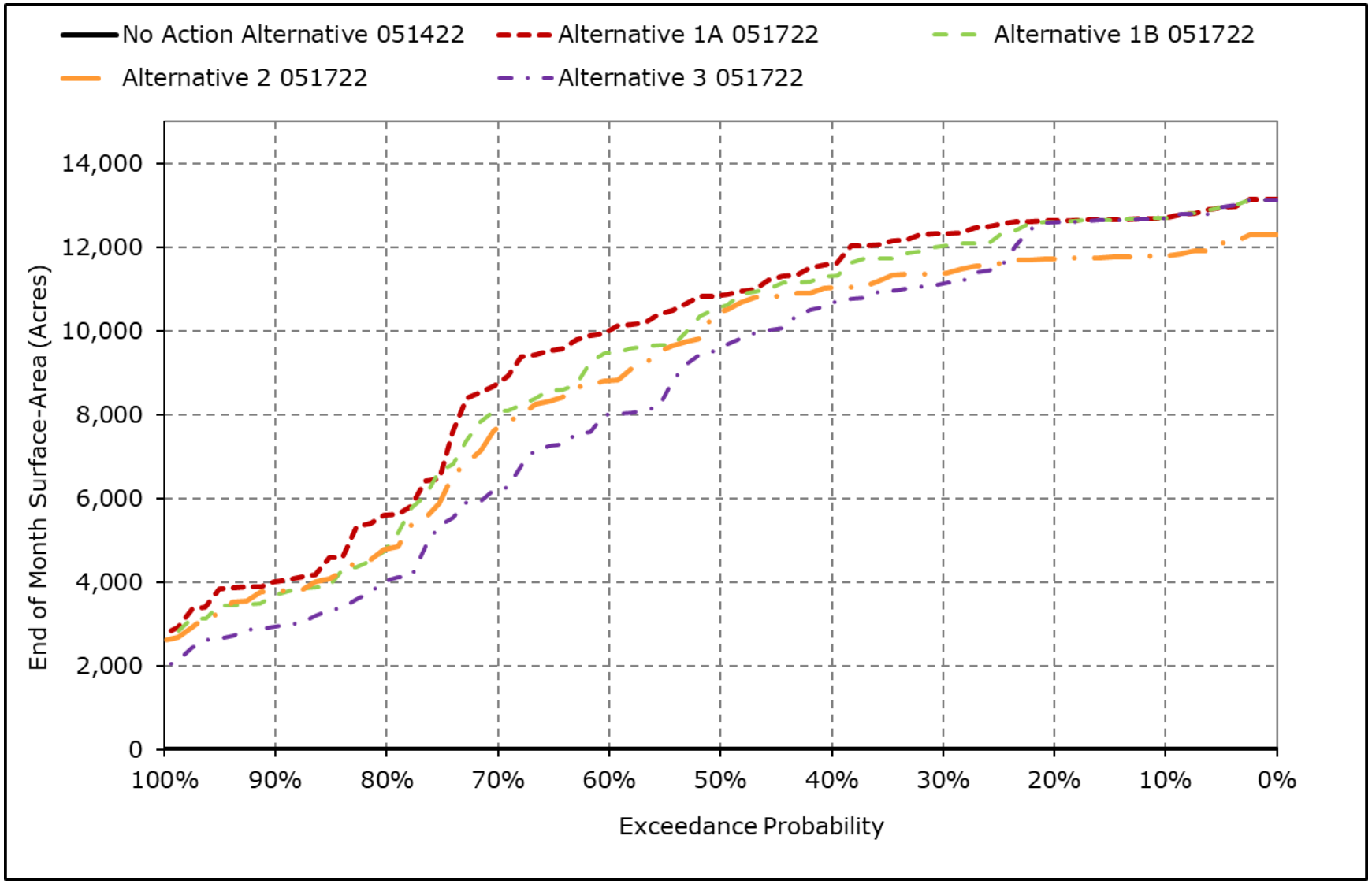
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year - year type sorting.

Figure 5B1-9-1. Sites Reservoir Surface Area, October



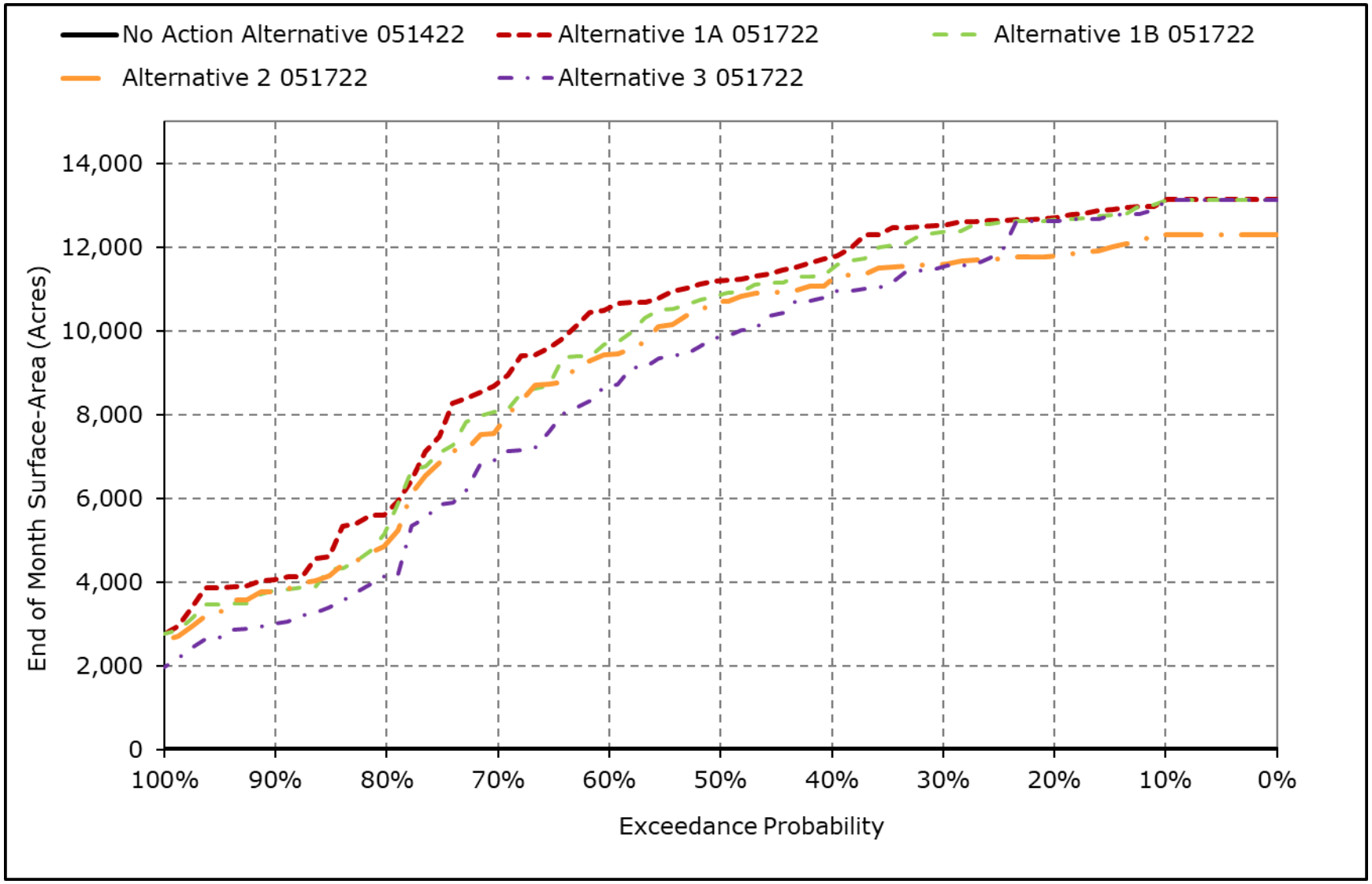
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-2. Sites Reservoir Surface Area, November



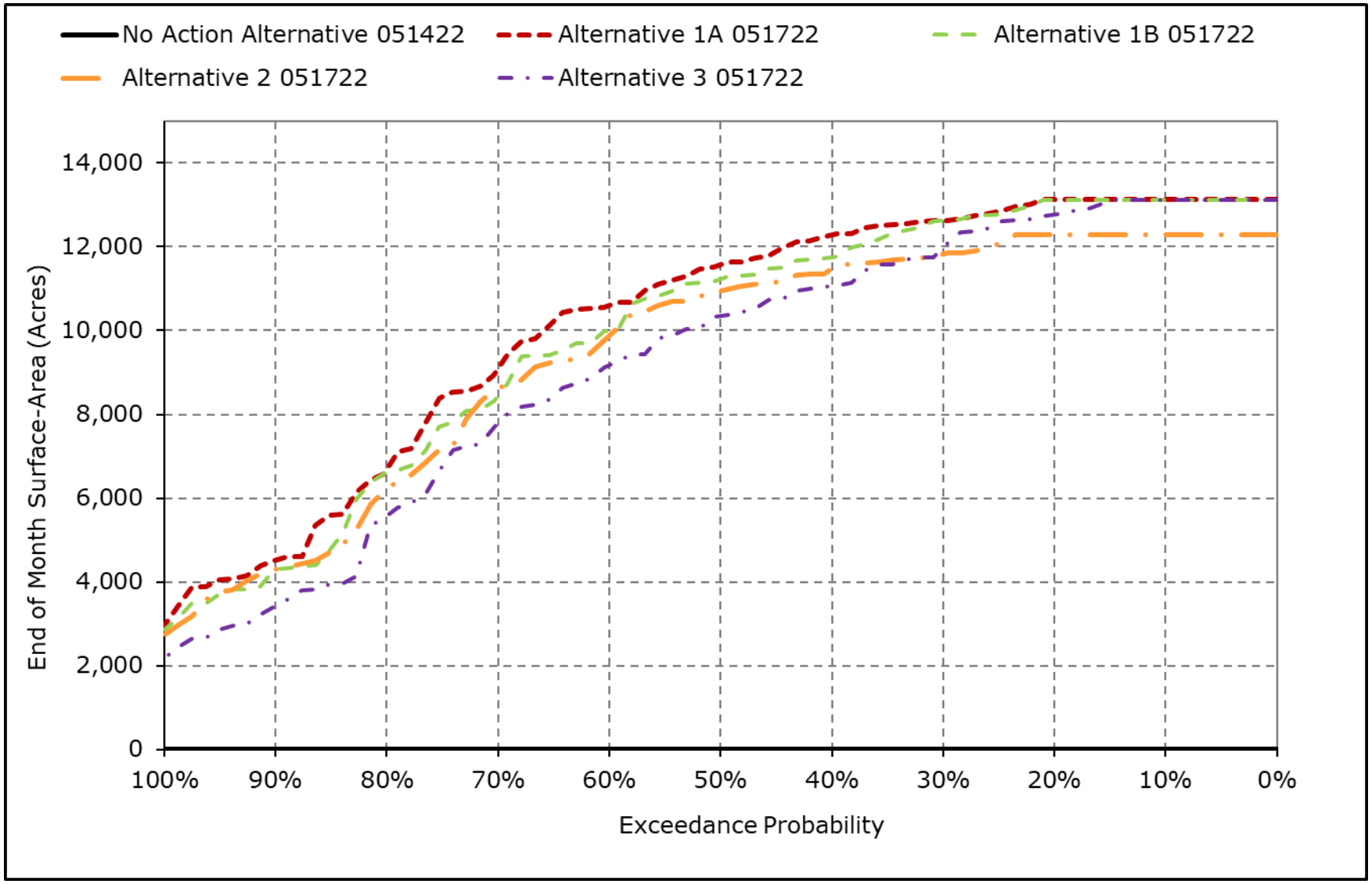
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-3. Sites Reservoir Surface Area, December



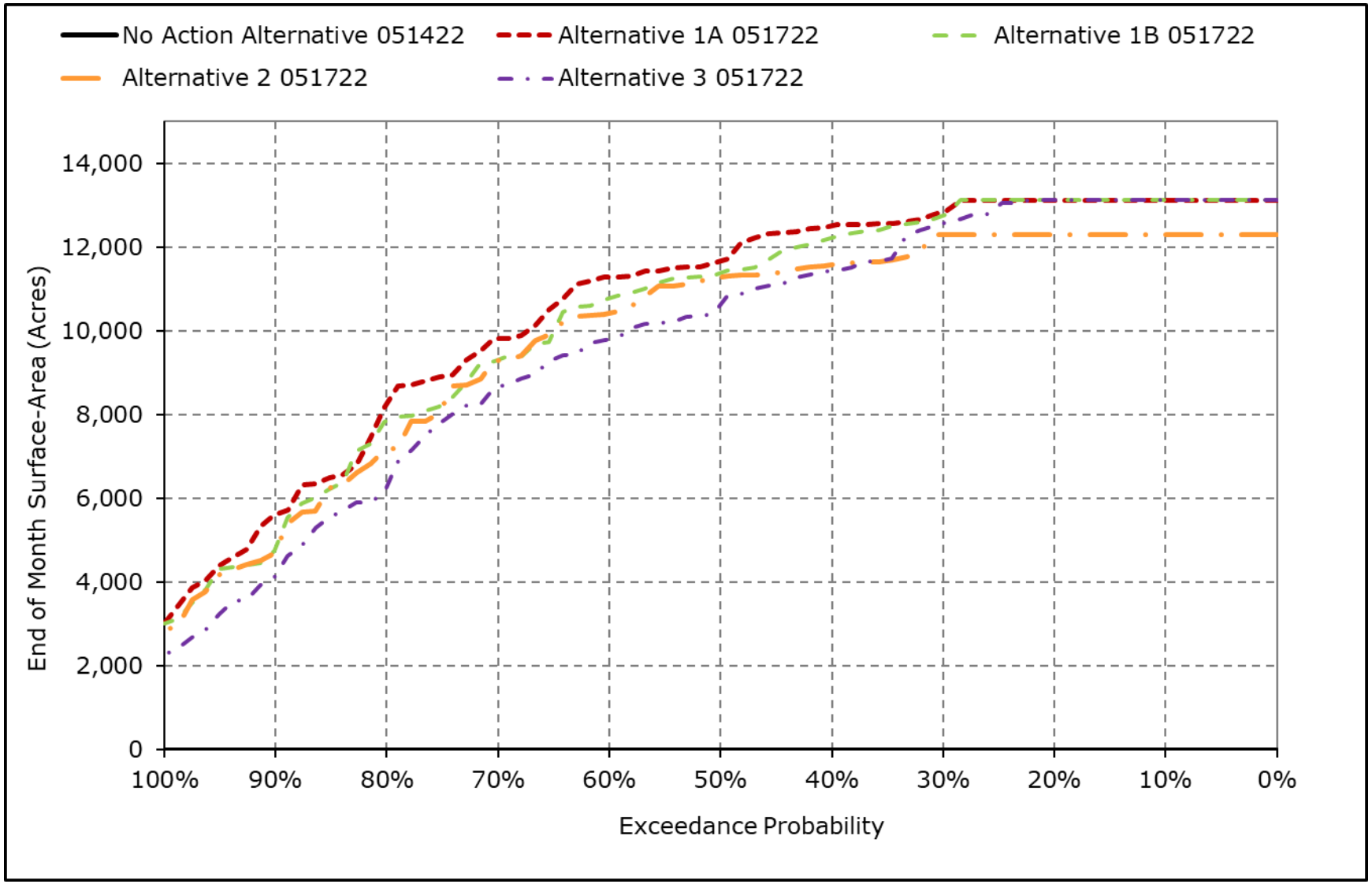
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-4. Sites Reservoir Surface Area, January



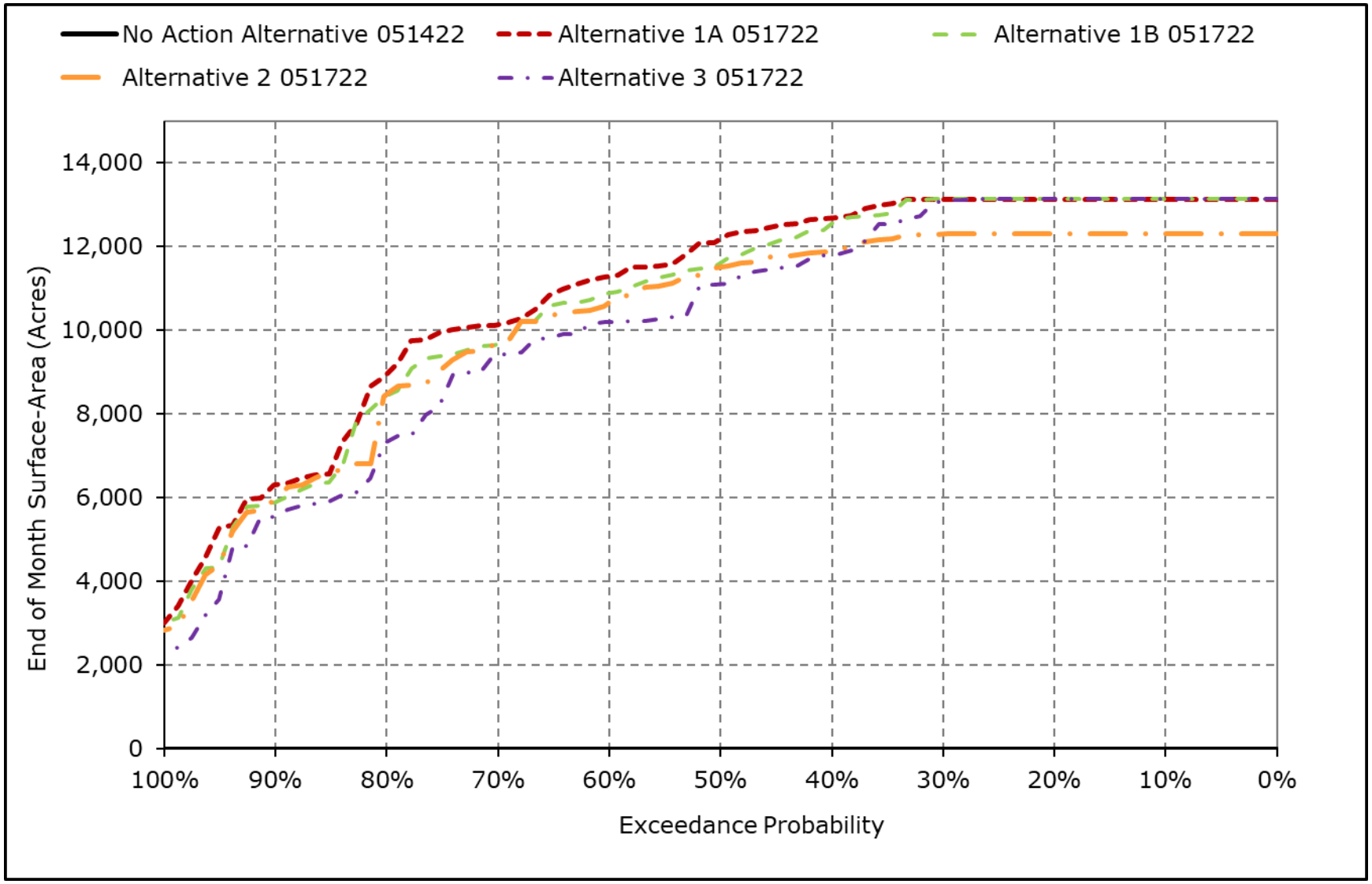
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-5. Sites Reservoir Surface Area, February



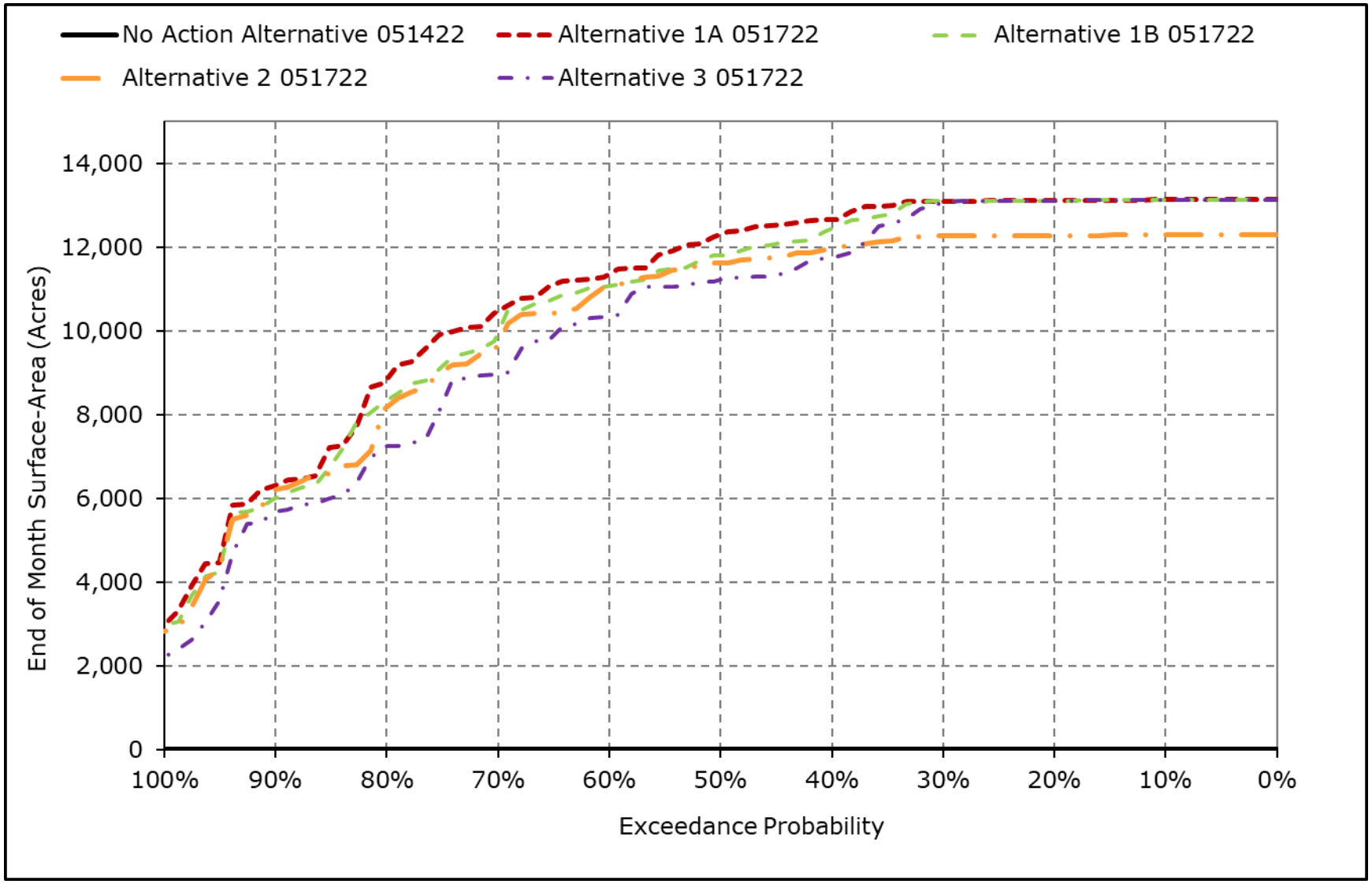
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-6. Sites Reservoir Surface Area, March



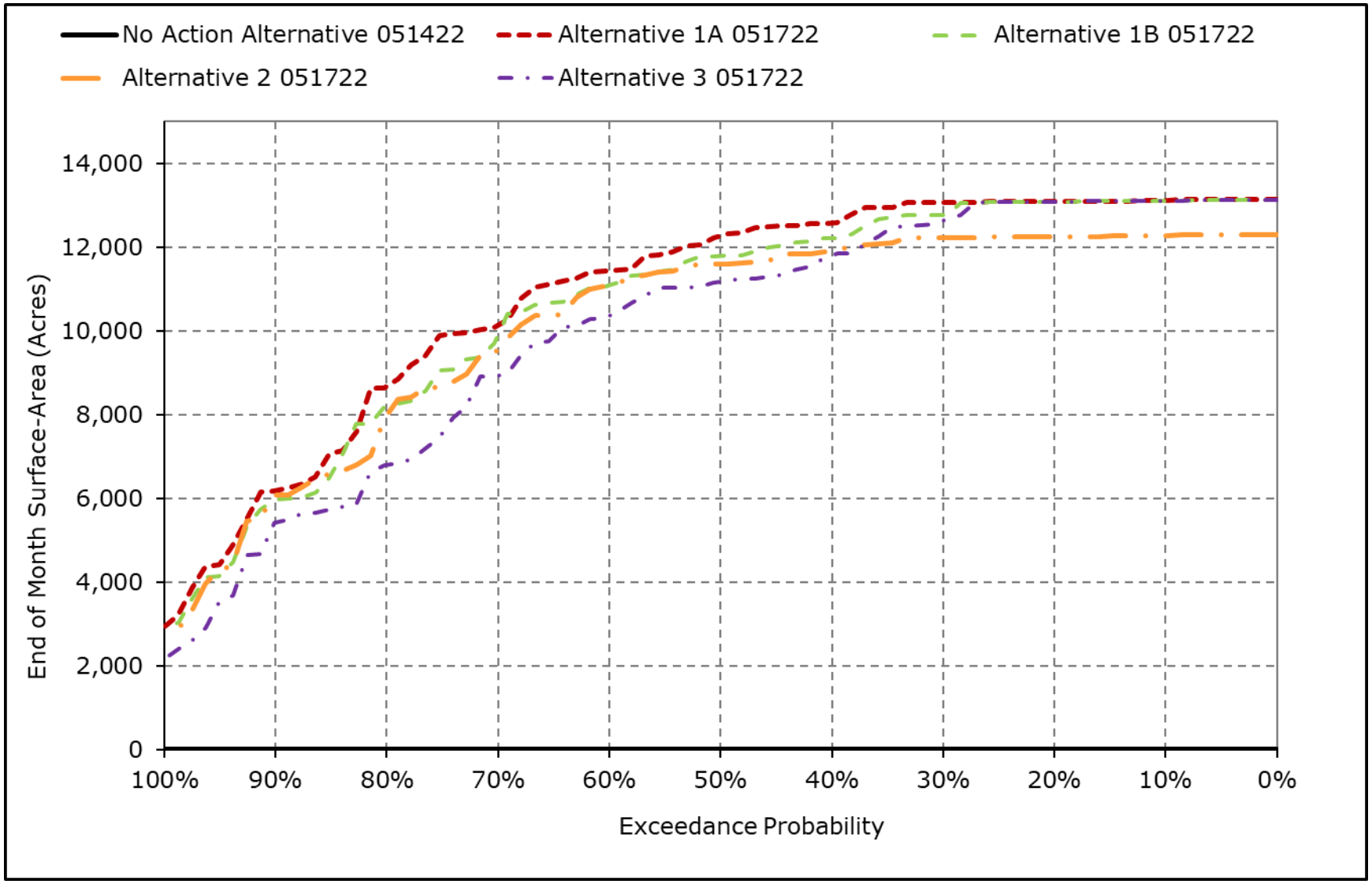
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-7. Sites Reservoir Surface Area, April



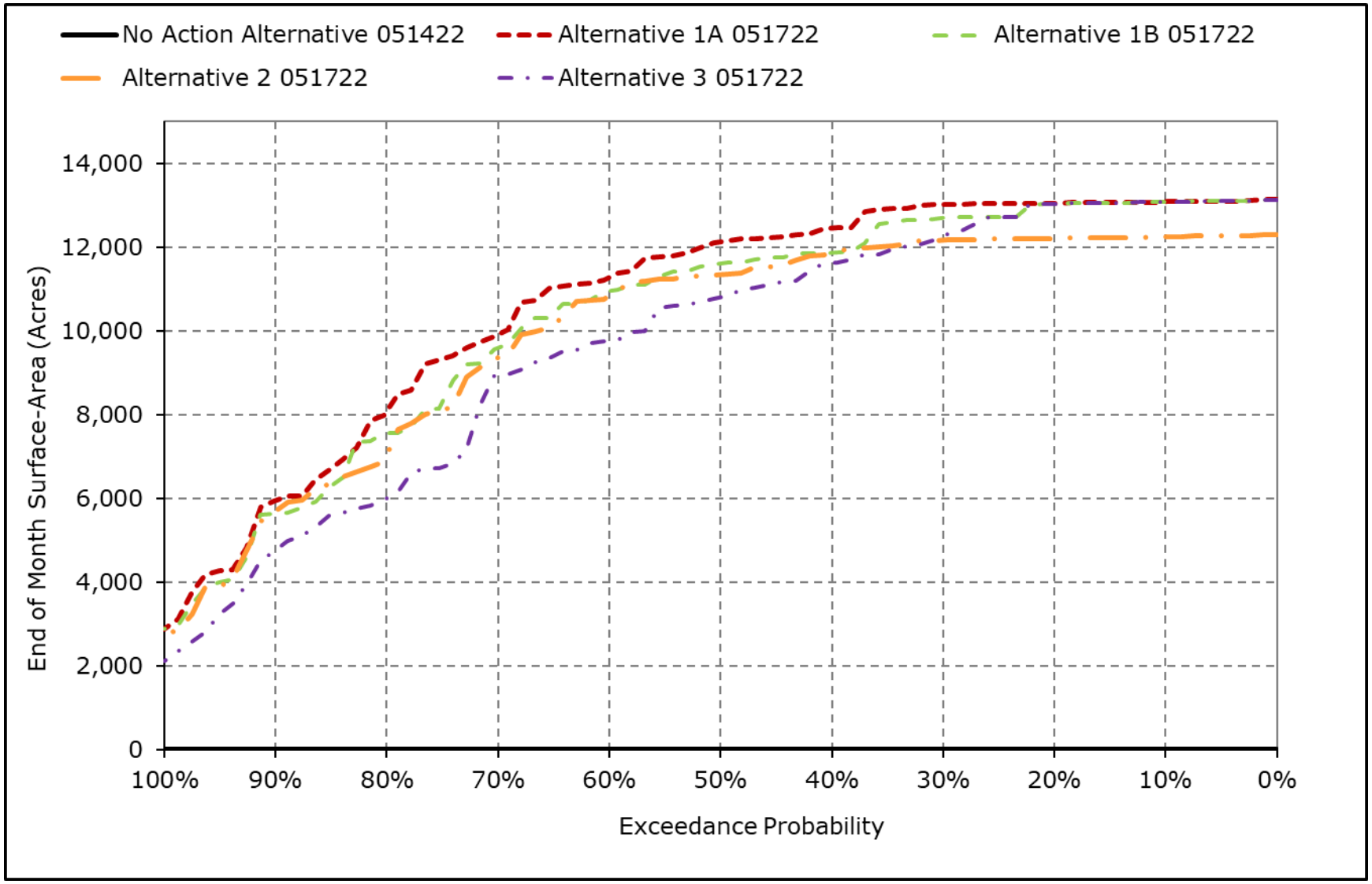
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-8. Sites Reservoir Surface Area, May



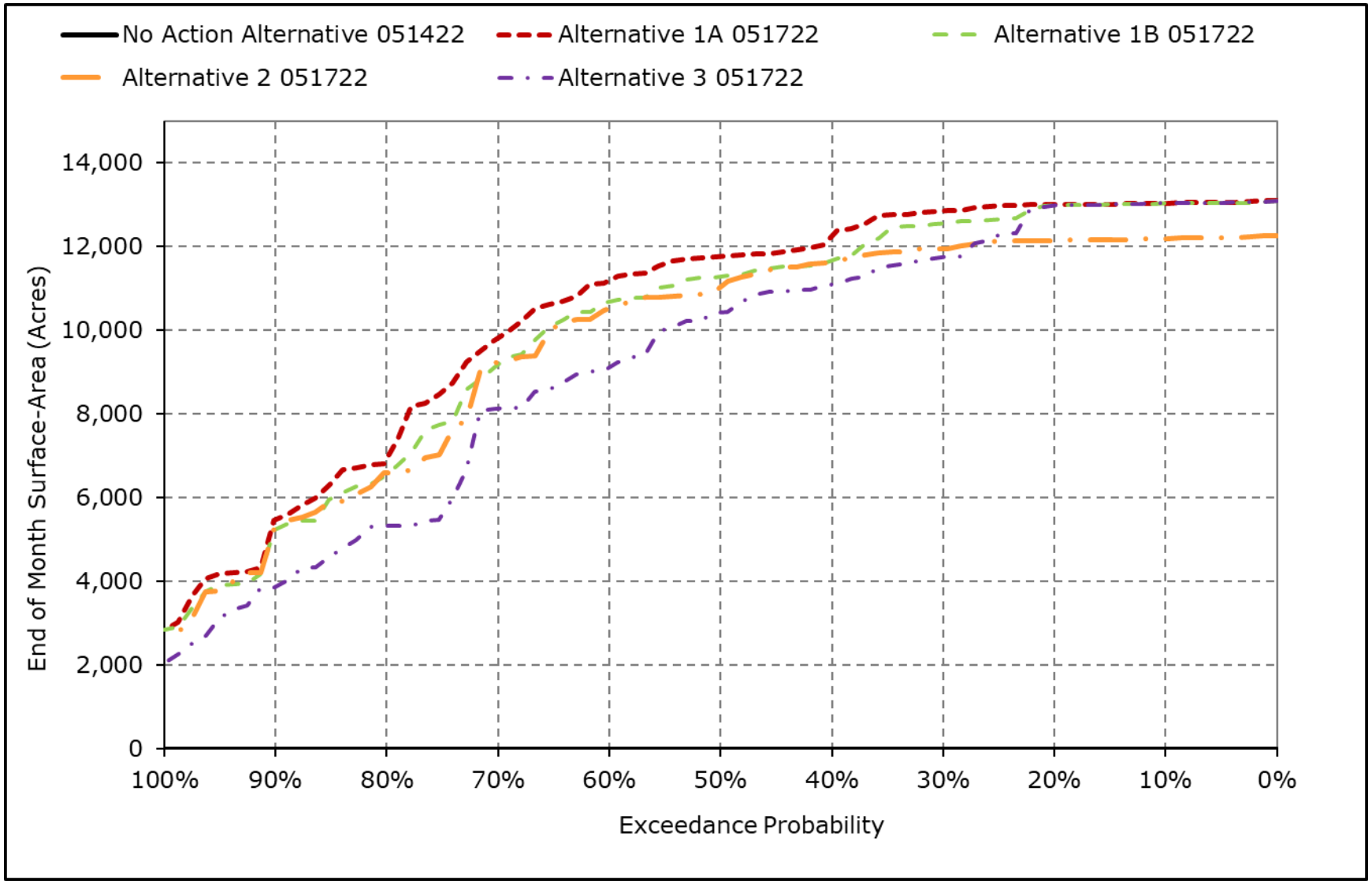
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-9. Sites Reservoir Surface Area, June



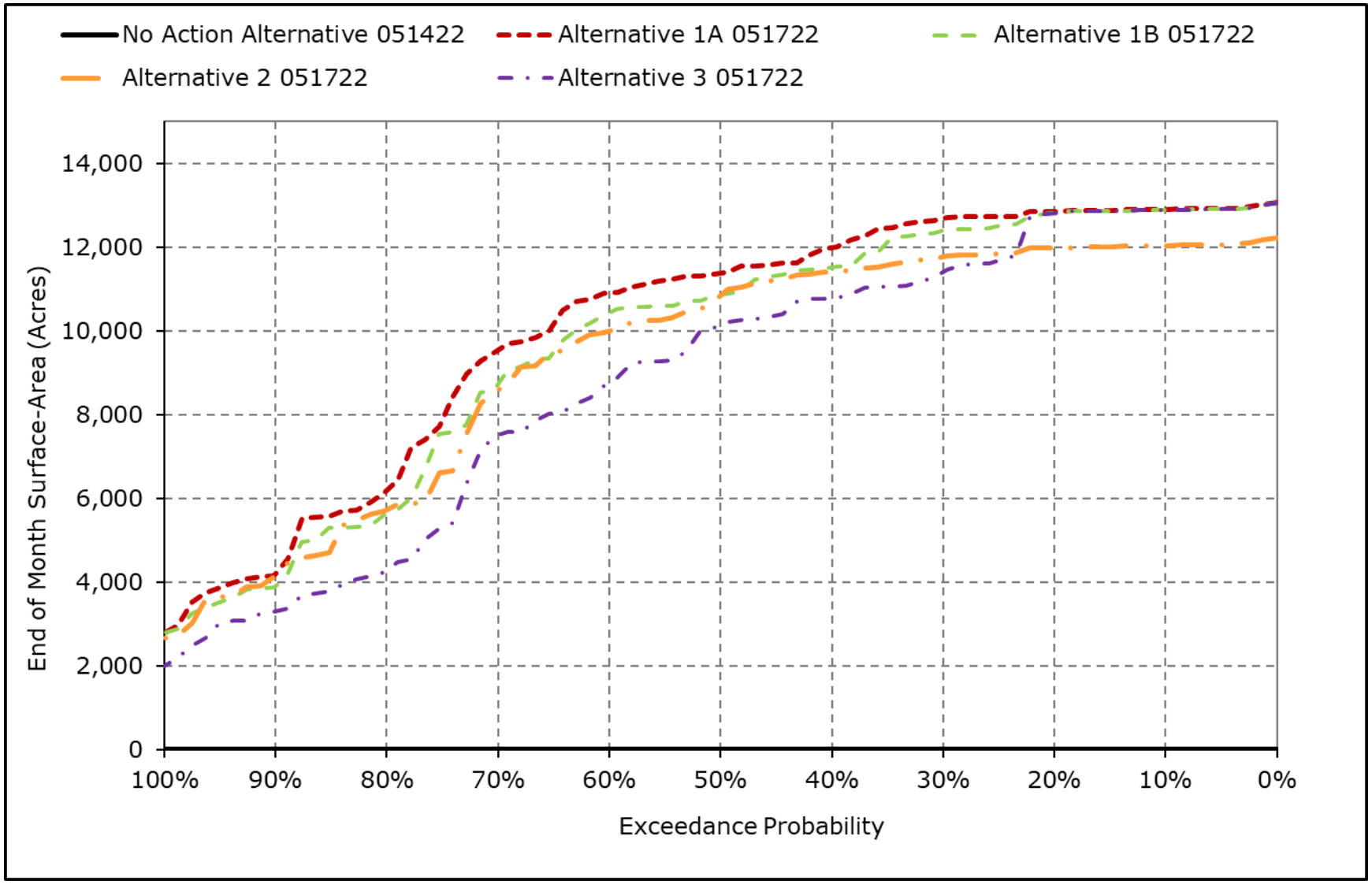
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-10. Sites Reservoir Surface Area, July



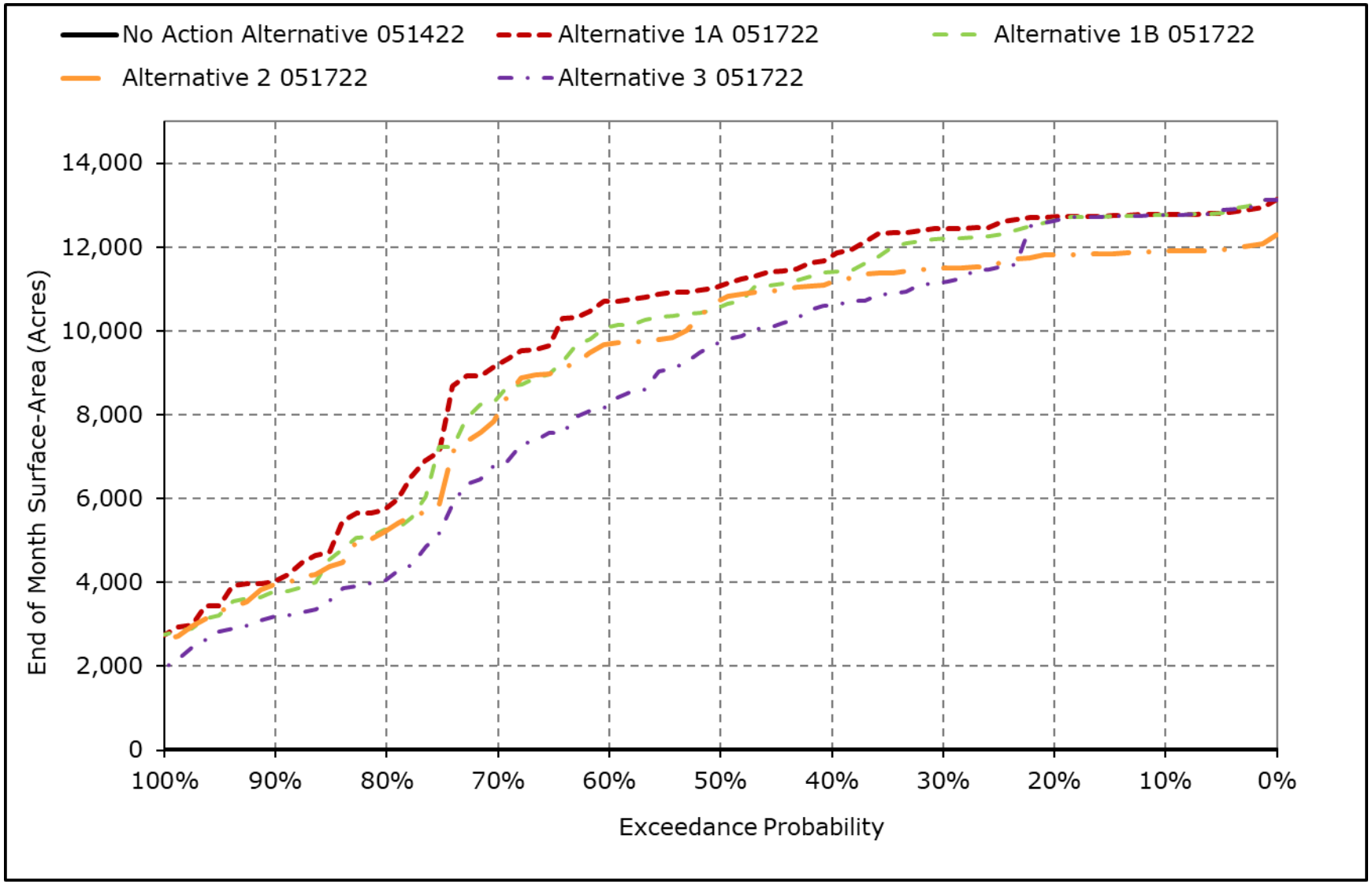
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-11. Sites Reservoir Surface Area, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 5B1-9-12. Sites Reservoir Surface Area, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.