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 011221
- Alternative 1A 011221
- Alternative 1B 011221
- Alternative 2 011221
- Alternative 3 020121

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 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	214	20	0	0	0	61	457	867	1,206	1,378	1,095	303
20%	197	17	0	0	0	37	373	782	1,164	1,356	1,080	287
30%	174	17	0	0	0	17	334	740	1,118	1,283	1,024	272
40%	133	17	0	0	0	9	244	674	1,090	1,272	1,000	255
50%	100	13	0	0	0	8	162	559	1,057	1,216	928	226
60%	87	9	0	0	0	8	132	489	989	1,139	863	197
70%	73	8	0	0	0	8	43	399	632	733	579	99
80%	62	8	0	0	0	8	34	253	488	542	433	54
90%	54	8	0	0	0	8	7	62	209	230	183	22
Long Term												
Full Simulation Period[a]	124	14	0	0	2	25	206	532	848	974	769	188
Water Year Types[b,c]												
Wet (32%)	154	15	0	0	0	20	184	668	1,121	1,289	1,020	261
Above Normal (15%)	128	13	0	0	0	17	290	702	1,157	1,314	1,028	249
Below Normal (17%)	126	14	0	0	2	42	278	632	937	1,097	864	177
Dry (22%)	113	12	0	0	5	24	201	414	633	718	570	140
Critical (15%)	69	17	0	0	7	25	96	128	169	195	153	55

Table 5B1-1-1b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1A 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	209	469	1,115	2,121	2,121	2,121	691	895	1,228	1,336	1,094	301
20%	182	32	0	1,747	2,121	2,121	450	815	1,179	1,282	1,045	280
30%	140	20	0	1,034	1,312	2,121	365	748	1,138	1,249	1,017	265
40%	102	17	0	604	893	1,617	295	695	1,097	1,204	972	232
50%	82	17	0	449	565	115	195	570	1,059	1,168	919	144
60%	66	17	0	121	280	61	141	502	982	1,077	821	90
70%	59	9	0	0	21	29	60	408	633	722	548	50
80%	54	8	0	0	0	11	37	266	488	471	370	28
90%	52	8	0	0	0	8	18	64	207	231	158	15
Long Term												
Full Simulation Period[a]	108	158	232	734	833	963	357	579	893	948	760	160
Water Year Types[b,c]												
Wet (32%)	155	356	37	1,065	1,052	824	566	802	1,166	1,310	1,064	261
Above Normal (15%)	128	223	128	1,251	1,209	1,530	425	692	1,251	1,214	1,021	246
Below Normal (17%)	86	14	344	588	1,026	1,263	349	642	1,021	1,048	804	118
Dry (22%)	76	32	338	324	563	948	193	432	649	682	531	76
Critical (15%)	57	17	465	283	160	367	90	128	162	181	130	30

Table 5B1-1-1c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4	449	1,115	2,121	2,121	2,061	234	28	22	-41	-1	-2
20%	-15	15	0	1,747	2,121	2,084	77	33	15	-74	-36	-7
30%	-34	3	0	1,034	1,312	2,104	32	7	21	-34	-6	-7
40%	-31	0	0	604	893	1,608	51	21	7	-68	-28	-23
50%	-18	4	0	449	565	107	33	11	2	-49	-10	-82
60%	-20	8	0	121	280	53	9	13	-7	-62	-42	-108
70%	-14	1	0	0	21	21	17	9	1	-11	-31	-50
80%	-8	0	0	0	0	2	3	13	0	-71	-63	-26
90%	-2	0	0	0	0	0	11	2	-3	1	-25	-7
Long Term												
Full Simulation Period[a]	-16	143	232	734	830	938	151	47	45	-26	-9	-28
Water Year Types[b,c]												
Wet (32%)	1	341	37	1,065	1,052	804	382	134	45	21	44	0
Above Normal (15%)	0	210	128	1,251	1,209	1,513	135	-10	95	-100	-7	-4
Below Normal (17%)	-40	0	344	588	1,024	1,220	70	11	84	-49	-59	-59
Dry (22%)	-37	20	338	324	559	924	-7	17	16	-35	-39	-64
Critical (15%)	-12	1	465	283	153	342	-6	0	-7	-13	-23	-25

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-1-2a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	214	20	0	0	0	61	457	867	1,206	1,378	1,095	303
20%	197	17	0	0	0	37	373	782	1,164	1,356	1,080	287
30%	174	17	0	0	0	17	334	740	1,118	1,283	1,024	272
40%	133	17	0	0	0	9	244	674	1,090	1,272	1,000	255
50%	100	13	0	0	0	8	162	559	1,057	1,216	928	226
60%	87	9	0	0	0	8	132	489	989	1,139	863	197
70%	73	8	0	0	0	8	43	399	632	733	579	99
80%	62	8	0	0	0	8	34	253	488	542	433	54
90%	54	8	0	0	0	8	7	62	209	230	183	22
Long Term												
Full Simulation Period[a]	124	14	0	0	2	25	206	532	848	974	769	188
Water Year Types[b,c]												
Wet (32%)	154	15	0	0	0	20	184	668	1,121	1,289	1,020	261
Above Normal (15%)	128	13	0	0	0	17	290	702	1,157	1,314	1,028	249
Below Normal (17%)	126	14	0	0	2	42	278	632	937	1,097	864	177
Dry (22%)	113	12	0	0	5	24	201	414	633	718	570	140
Critical (15%)	69	17	0	0	7	25	96	128	169	195	153	55

Table 5B1-1-2b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1B 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	210	407	1,113	2,121	2,121	2,121	908	895	1,220	1,336	1,095	301
20%	186	32	0	1,815	2,121	2,121	450	815	1,153	1,292	1,049	280
30%	140	20	0	1,140	1,682	2,121	365	733	1,092	1,273	1,014	265
40%	100	17	0	752	1,035	1,735	266	621	1,046	1,217	953	240
50%	82	17	0	498	574	219	167	515	901	1,145	916	143
60%	67	15	0	317	293	68	140	418	583	835	816	90
70%	59	9	0	0	24	31	63	330	525	596	556	50
80%	55	8	0	0	0	14	37	179	385	501	372	29
90%	54	8	0	0	0	8	19	66	203	187	161	23
Long Term												
Full Simulation Period[a]	109	153	239	774	904	982	357	545	795	915	759	161
Water Year Types[b,c]												
Wet (32%)	155	340	37	1,188	1,179	850	597	862	1,166	1,310	1,064	261
Above Normal (15%)	124	229	200	1,251	1,346	1,530	425	680	889	1,002	997	250
Below Normal (17%)	89	12	344	589	1,080	1,262	331	505	870	995	810	122
Dry (22%)	86	30	324	329	569	1,001	163	334	563	727	543	77
Critical (15%)	51	18	465	283	160	368	88	91	156	165	127	30

Table 5B1-1-2c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4	386	1,113	2,121	2,121	2,061	451	28	14	-41	0	-2
20%	-11	15	0	1,815	2,121	2,084	77	33	-11	-64	-31	-7
30%	-34	3	0	1,140	1,682	2,104	32	-7	-25	-9	-10	-7
40%	-34	0	0	752	1,035	1,726	23	-53	-44	-55	-47	-15
50%	-17	4	0	498	574	211	5	-44	-157	-71	-13	-83
60%	-19	6	0	317	293	60	8	-71	-406	-304	-47	-108
70%	-13	1	0	0	24	23	20	-69	-107	-136	-23	-50
80%	-7	0	0	0	0	6	3	-74	-103	-42	-61	-25
90%	0	0	0	0	0	0	12	3	-7	-43	-22	1
Long Term												
Full Simulation Period[a]	-15	139	239	774	901	957	151	13	-54	-59	-9	-27
Water Year Types[b,c]												
Wet (32%)	1	325	37	1,188	1,179	829	414	194	45	21	45	0
Above Normal (15%)	-4	216	200	1,251	1,346	1,513	135	-22	-267	-312	-31	1
Below Normal (17%)	-37	-1	344	589	1,078	1,220	52	-126	-67	-102	-54	-55
Dry (22%)	-27	19	324	329	565	976	-38	-81	-70	9	-27	-63
Critical (15%)	-18	2	465	283	153	343	-7	-37	-13	-30	-26	-25

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-1-3a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	214	20	0	0	0	61	457	867	1,206	1,378	1,095	303
20%	197	17	0	0	0	37	373	782	1,164	1,356	1,080	287
30%	174	17	0	0	0	17	334	740	1,118	1,283	1,024	272
40%	133	17	0	0	0	9	244	674	1,090	1,272	1,000	255
50%	100	13	0	0	0	8	162	559	1,057	1,216	928	226
60%	87	9	0	0	0	8	132	489	989	1,139	863	197
70%	73	8	0	0	0	8	43	399	632	733	579	99
80%	62	8	0	0	0	8	34	253	488	542	433	54
90%	54	8	0	0	0	8	7	62	209	230	183	22
Long Term												
Full Simulation Period[a]	124	14	0	0	2	25	206	532	848	974	769	188
Water Year Types[b,c]												
Wet (32%)	154	15	0	0	0	20	184	668	1,121	1,289	1,020	261
Above Normal (15%)	128	13	0	0	0	17	290	702	1,157	1,314	1,028	249
Below Normal (17%)	126	14	0	0	2	42	278	632	937	1,097	864	177
Dry (22%)	113	12	0	0	5	24	201	414	633	718	570	140
Critical (15%)	69	17	0	0	7	25	96	128	169	195	153	55

Table 5B1-1-3b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 2 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	209	546	1,115	2,121	2,121	2,121	568	895	1,228	1,336	1,094	301
20%	182	33	0	1,594	2,121	2,121	428	815	1,179	1,278	1,047	280
30%	135	23	0	1,035	1,195	2,109	345	748	1,138	1,246	1,017	269
40%	97	17	0	599	839	1,325	292	695	1,097	1,199	967	232
50%	80	17	0	460	542	105	195	570	1,059	1,153	919	135
60%	66	17	0	86	269	61	141	502	982	1,076	834	88
70%	58	10	0	0	11	29	67	408	624	726	541	48
80%	54	8	0	0	0	11	37	266	488	471	370	28
90%	47	8	0	0	0	8	18	64	208	231	118	15
Long Term												
Full Simulation Period[a]	106	168	232	721	806	910	336	579	893	944	747	159
Water Year Types[b,c]												
Wet (32%)	155	353	37	1,026	971	695	501	802	1,166	1,310	1,028	261
Above Normal (15%)	128	218	129	1,250	1,206	1,530	425	692	1,250	1,204	1,021	248
Below Normal (17%)	84	82	344	588	1,023	1,263	349	643	1,021	1,038	804	116
Dry (22%)	72	32	337	324	563	894	193	432	649	680	530	74
Critical (15%)	53	18	466	283	160	368	90	128	162	180	123	27

Table 5B1-1-3c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 2 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4	526	1,115	2,121	2,121	2,061	111	28	22	-41	-1	-2
20%	-15	16	0	1,594	2,121	2,084	55	33	15	-78	-34	-7
30%	-40	6	0	1,035	1,195	2,092	12	7	21	-36	-6	-3
40%	-36	0	0	599	839	1,316	48	21	7	-73	-33	-23
50%	-20	4	0	460	542	97	33	11	2	-63	-10	-91
60%	-20	8	0	86	269	53	9	13	-7	-63	-28	-109
70%	-14	2	0	0	11	21	24	9	-8	-7	-38	-52
80%	-8	0	0	0	0	2	3	13	0	-71	-63	-26
90%	-7	0	0	0	0	0	11	2	-2	1	-66	-7
Long Term												
Full Simulation Period[a]	-18	153	232	721	804	885	130	47	45	-30	-22	-29
Water Year Types[b,c]												
Wet (32%)	1	338	37	1,026	971	675	318	134	45	21	9	0
Above Normal (15%)	0	205	129	1,250	1,206	1,513	135	-10	94	-109	-7	-2
Below Normal (17%)	-42	68	344	588	1,021	1,221	70	11	84	-59	-60	-61
Dry (22%)	-41	20	337	324	559	869	-7	18	16	-38	-40	-66
Critical (15%)	-16	2	466	283	153	343	-5	0	-7	-14	-29	-29

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-1-4a. Red Bluff Diversion - Tehama Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	214	20	0	0	0	61	457	867	1,206	1,378	1,095	303
20%	197	17	0	0	0	37	373	782	1,164	1,356	1,080	287
30%	174	17	0	0	0	17	334	740	1,118	1,283	1,024	272
40%	133	17	0	0	0	9	244	674	1,090	1,272	1,000	255
50%	100	13	0	0	0	8	162	559	1,057	1,216	928	226
60%	87	9	0	0	0	8	132	489	989	1,139	863	197
70%	73	8	0	0	0	8	43	399	632	733	579	99
80%	62	8	0	0	0	8	34	253	488	542	433	54
90%	54	8	0	0	0	8	7	62	209	230	183	22
Long Term												
Full Simulation Period[a]	124	14	0	0	2	25	206	532	848	974	769	188
Water Year Types[b,c]												
Wet (32%)	154	15	0	0	0	20	184	668	1,121	1,289	1,020	261
Above Normal (15%)	128	13	0	0	0	17	290	702	1,157	1,314	1,028	249
Below Normal (17%)	126	14	0	0	2	42	278	632	937	1,097	864	177
Dry (22%)	113	12	0	0	5	24	201	414	633	718	570	140
Critical (15%)	69	17	0	0	7	25	96	128	169	195	153	55

Table 5B1-1-4b. Red Bluff Diversion - Tehama Colusa Canal, Alternative 3 020121, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	210	553	1,188	2,121	2,121	2,121	1,270	899	1,228	1,336	1,092	301
20%	186	107	345	1,778	2,121	2,121	456	847	1,156	1,278	1,030	280
30%	140	25	0	1,124	2,069	2,121	373	738	1,077	1,209	983	265
40%	113	19	0	744	1,033	2,040	266	621	925	1,039	880	214
50%	87	17	0	535	574	1,321	200	528	556	624	800	140
60%	70	17	0	328	293	94	148	429	517	592	536	93
70%	59	10	0	0	23	43	95	247	478	545	430	71
80%	54	8	0	0	0	15	39	173	283	304	387	46
90%	52	8	0	0	0	8	22	96	215	237	179	25
Long Term												
Full Simulation Period[a]	110	179	263	779	924	1,066	397	557	744	791	698	162
Water Year Types[b,c]												
Wet (32%)	156	340	37	1,205	1,179	1,067	714	912	1,206	1,310	1,064	261
Above Normal (15%)	112	323	305	1,252	1,387	1,652	425	680	887	578	614	200
Below Normal (17%)	87	81	381	589	1,167	1,285	333	508	630	734	764	126
Dry (22%)	89	32	330	330	570	1,002	170	291	431	605	521	89
Critical (15%)	68	18	472	282	159	322	96	124	201	229	179	59

Table 5B1-1-4c. Red Bluff Diversion - Tehama Colusa Canal, Alternative 3 020121 minus No Action Alternative 011221, Monthly Diversion (cfs)

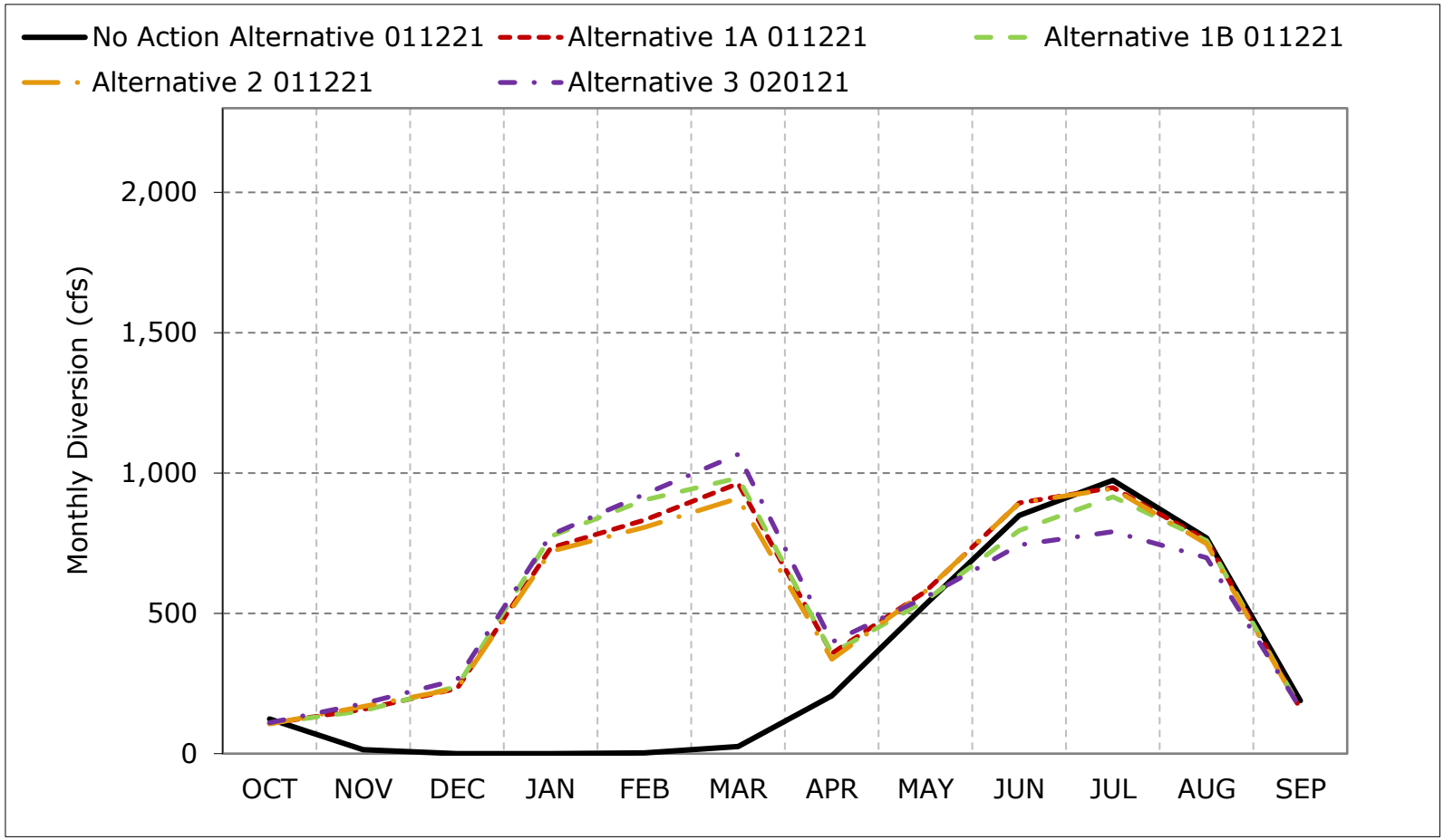
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4	533	1,188	2,121	2,121	2,061	813	32	22	-41	-3	-2
20%	-11	90	345	1,778	2,121	2,084	83	65	-8	-78	-50	-7
30%	-34	8	0	1,124	2,069	2,104	40	-2	-40	-73	-41	-7
40%	-21	2	0	744	1,033	2,031	23	-53	-164	-233	-120	-41
50%	-13	4	0	535	574	1,313	38	-31	-501	-592	-129	-86
60%	-16	8	0	328	293	86	16	-60	-472	-547	-327	-104
70%	-14	1	0	0	23	35	51	-152	-154	-187	-148	-28
80%	-8	0	0	0	0	7	5	-80	-205	-238	-46	-8
90%	-3	0	0	0	0	0	16	34	6	7	-4	3
Long Term												
Full Simulation Period[a]	-14	164	263	779	922	1,041	191	25	-104	-183	-71	-27
Water Year Types[b,c]												
Wet (32%)	2	325	37	1,205	1,179	1,047	531	244	85	21	44	0
Above Normal (15%)	-16	310	305	1,252	1,387	1,635	135	-22	-270	-736	-414	-49
Below Normal (17%)	-39	67	381	589	1,165	1,242	55	-124	-307	-362	-100	-51
Dry (22%)	-24	20	330	330	565	977	-30	-124	-202	-113	-49	-51
Critical (15%)	-1	2	472	282	152	297	0	-3	32	34	26	4

a Based on the 82-year simulation period.

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

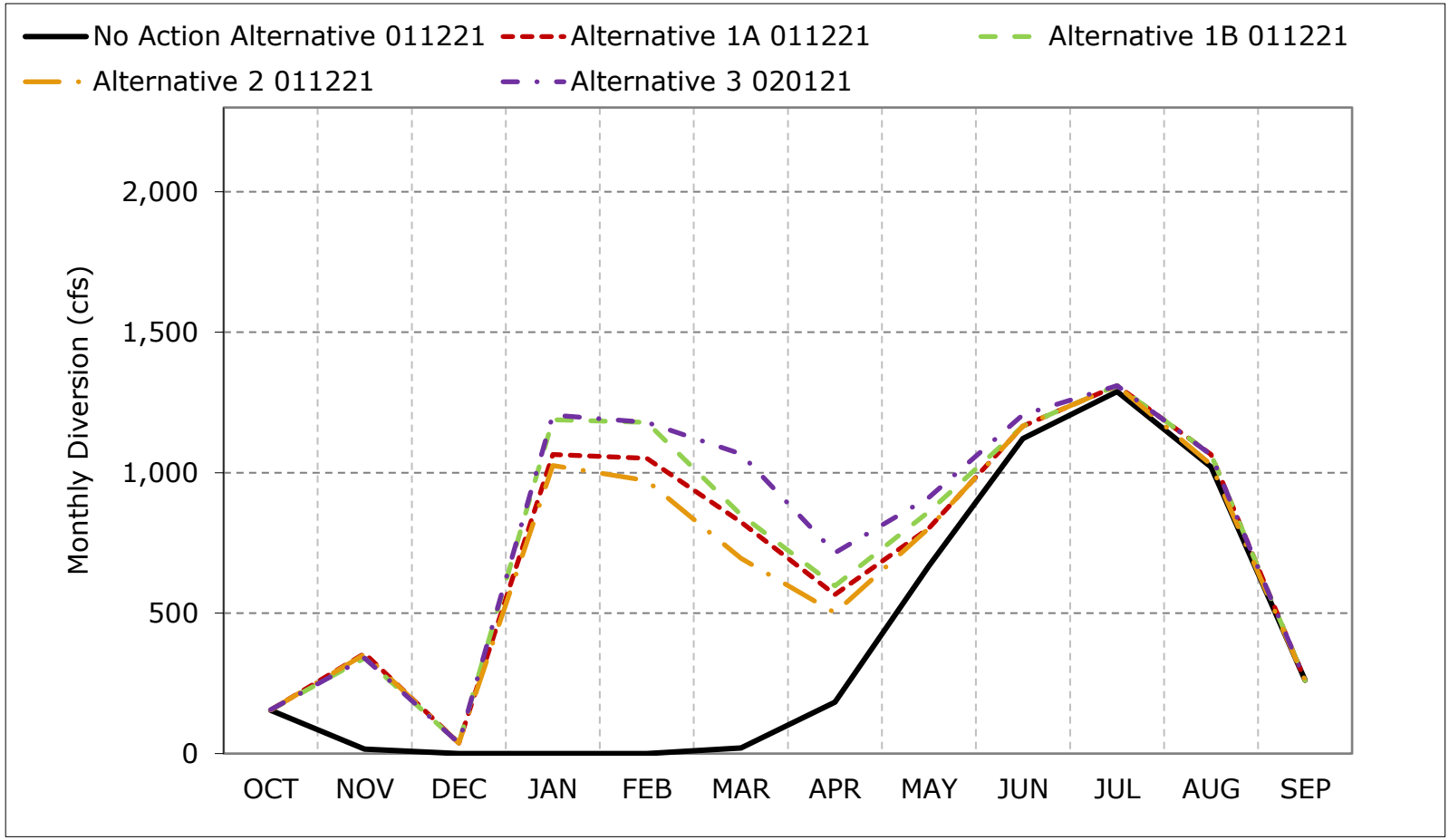
c These results are displayed with calendar year - year type sorting.

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



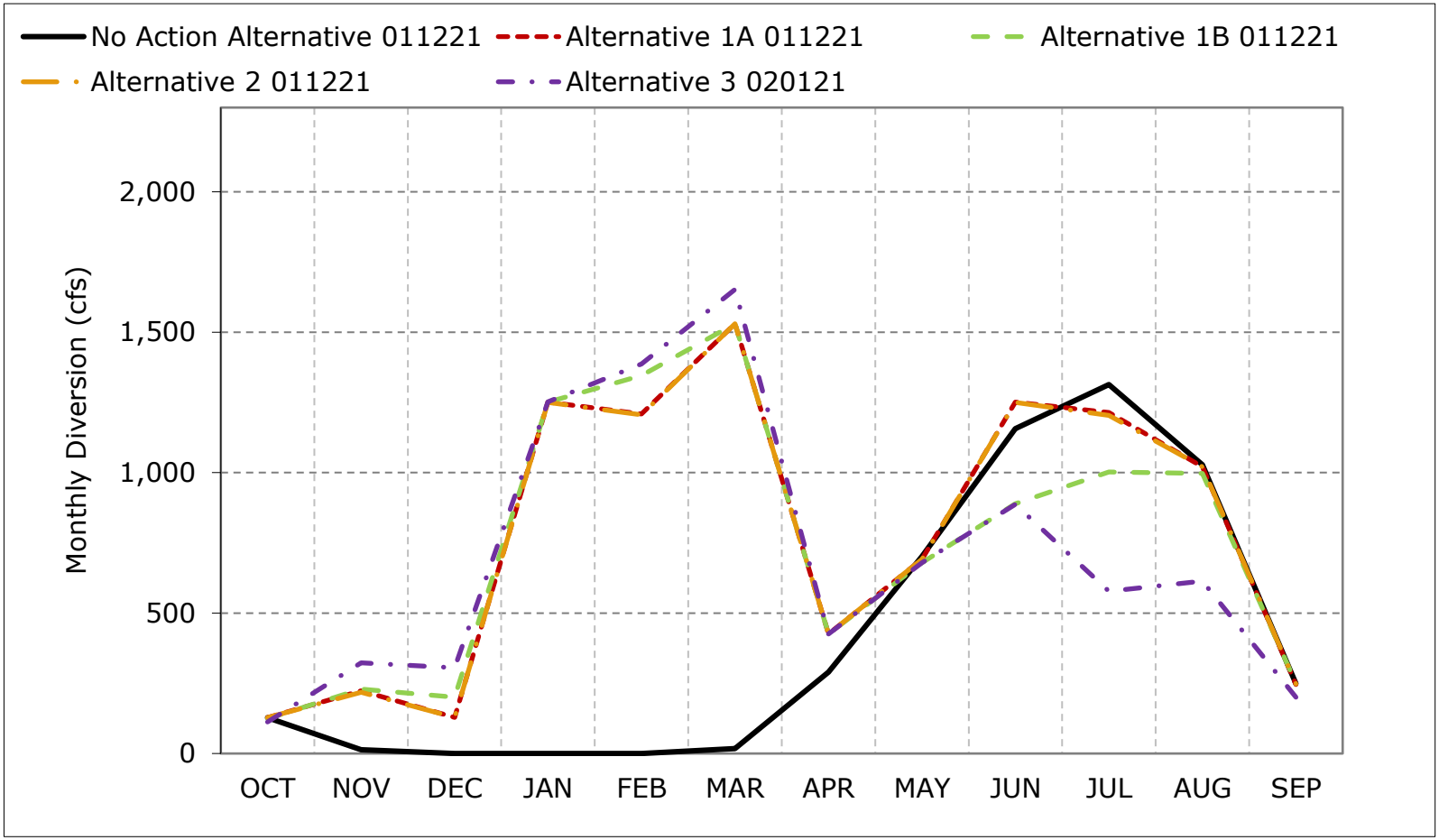
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



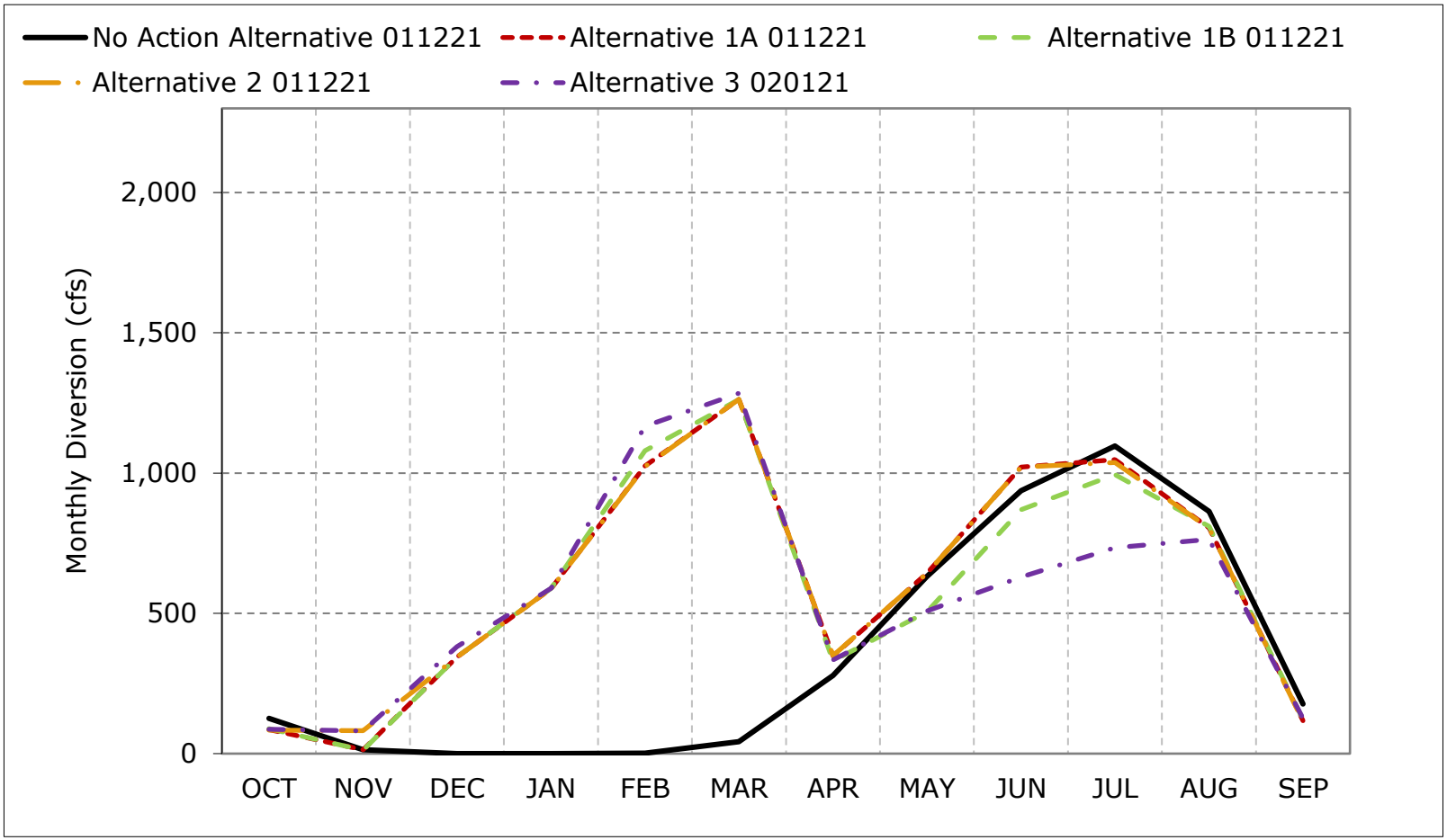
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



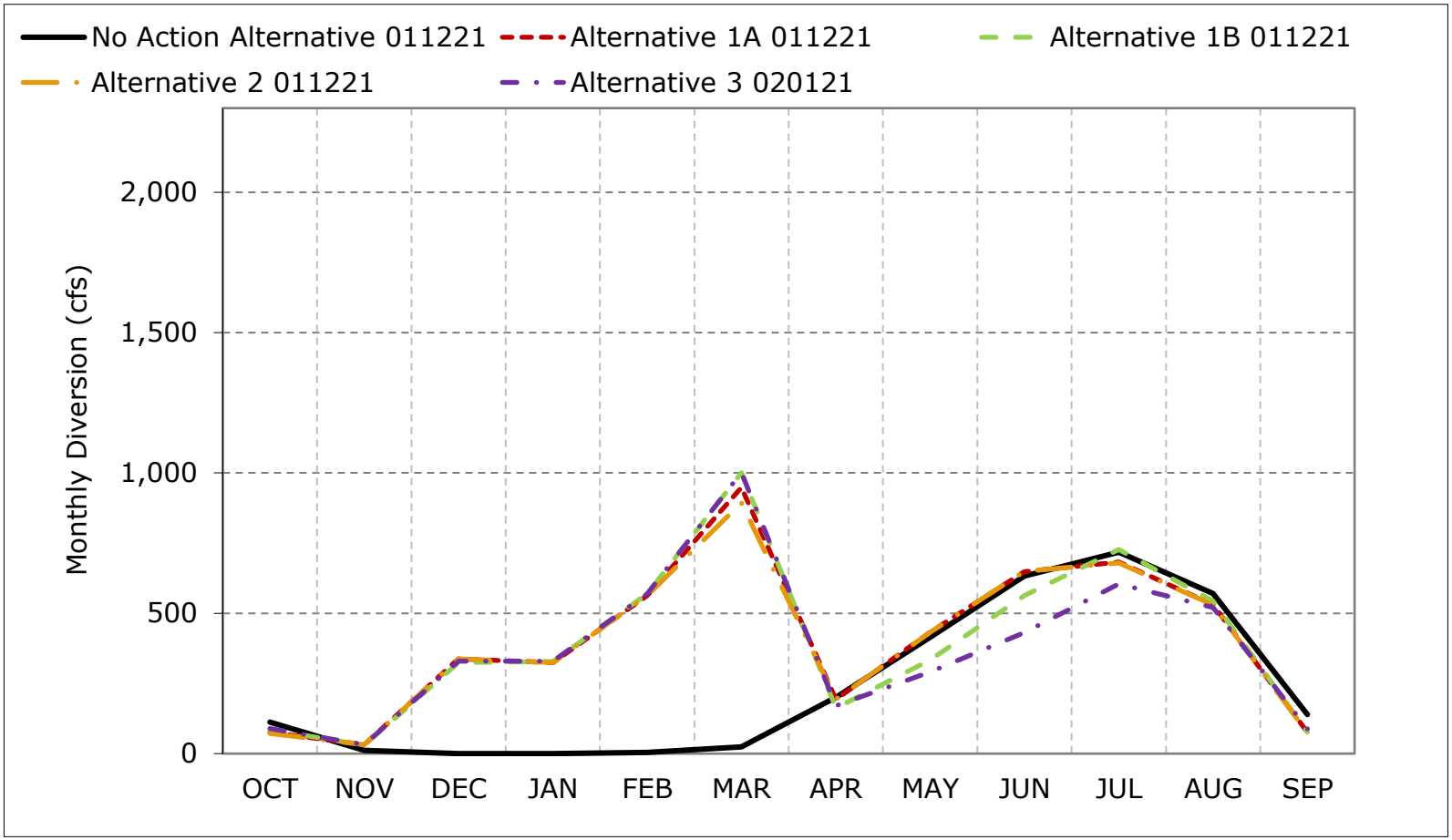
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



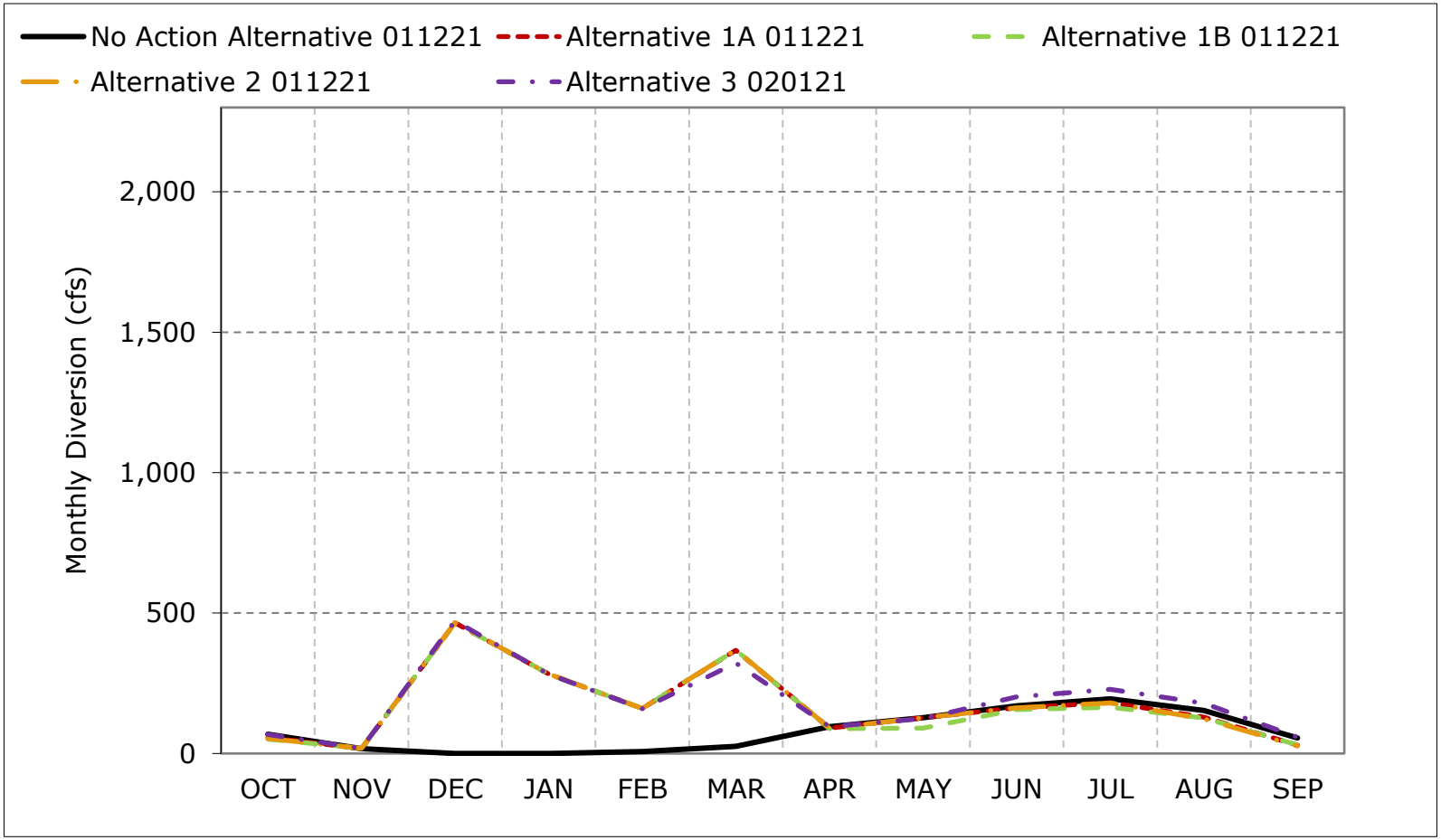
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

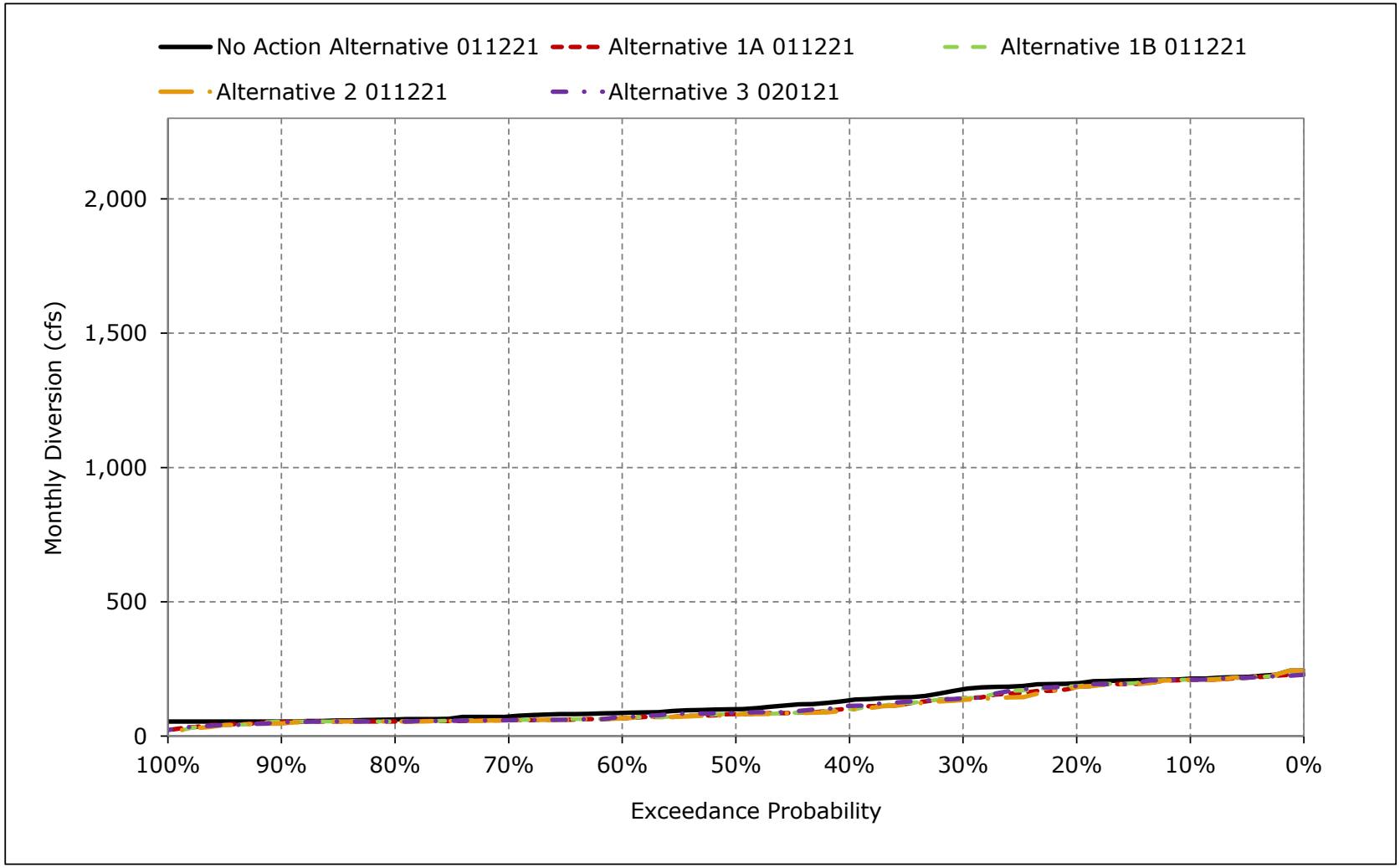


Figure 5B1-1-8. Red Bluff Diversion - Tehama Colusa Canal, November

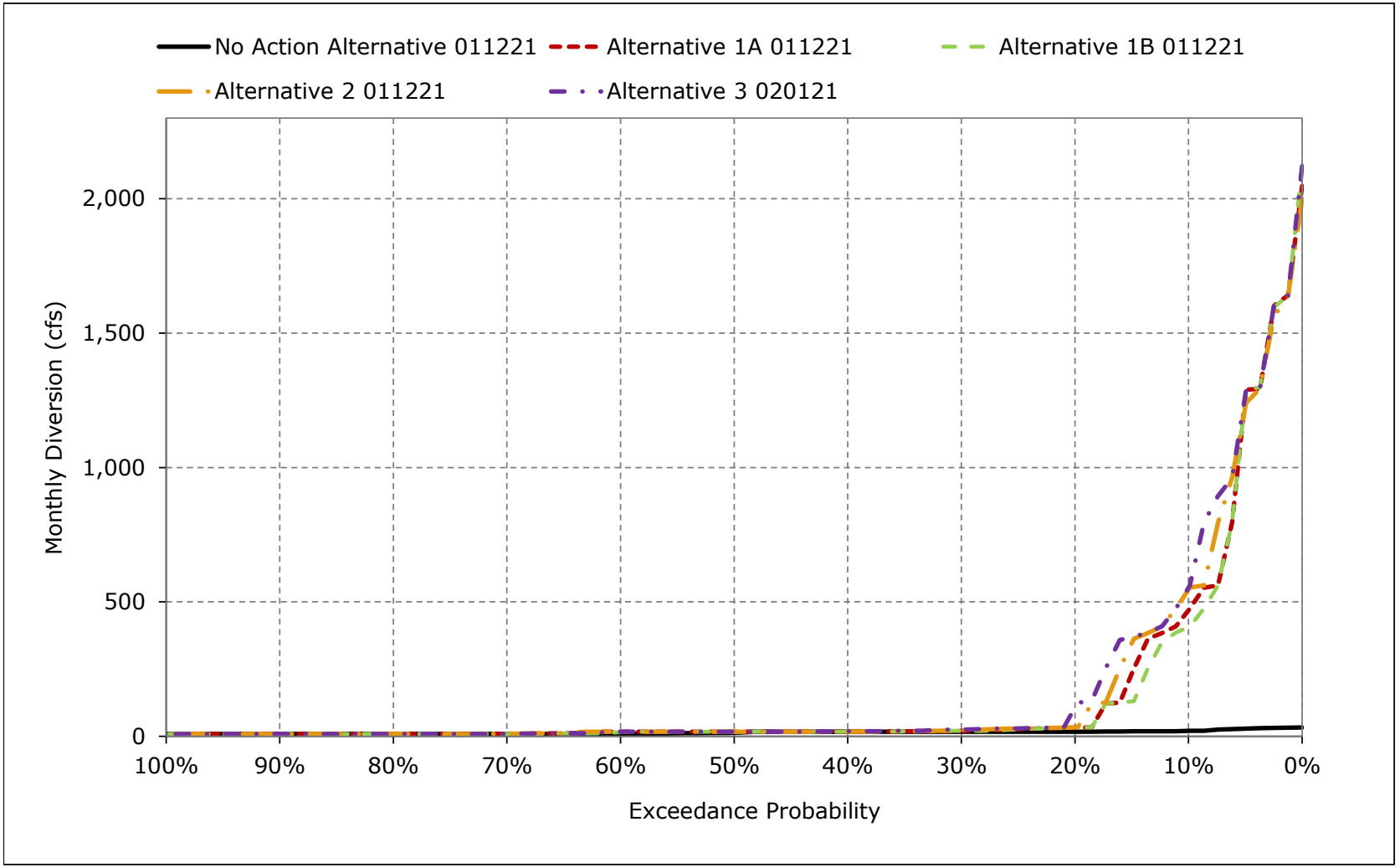


Figure 5B1-1-9. Red Bluff Diversion - Tehama Colusa Canal, December

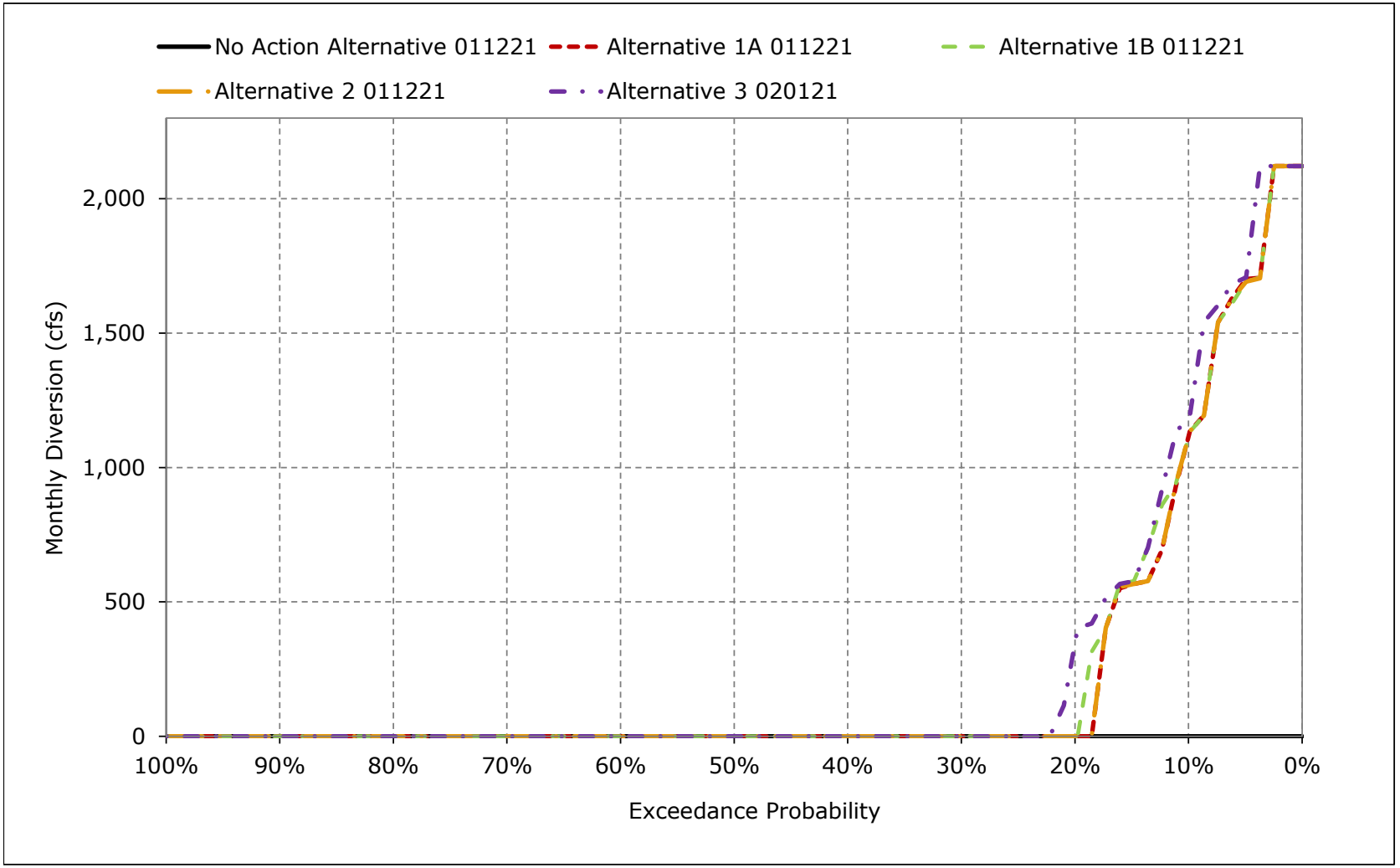


Figure 5B1-1-10. Red Bluff Diversion - Tehama Colusa Canal, January

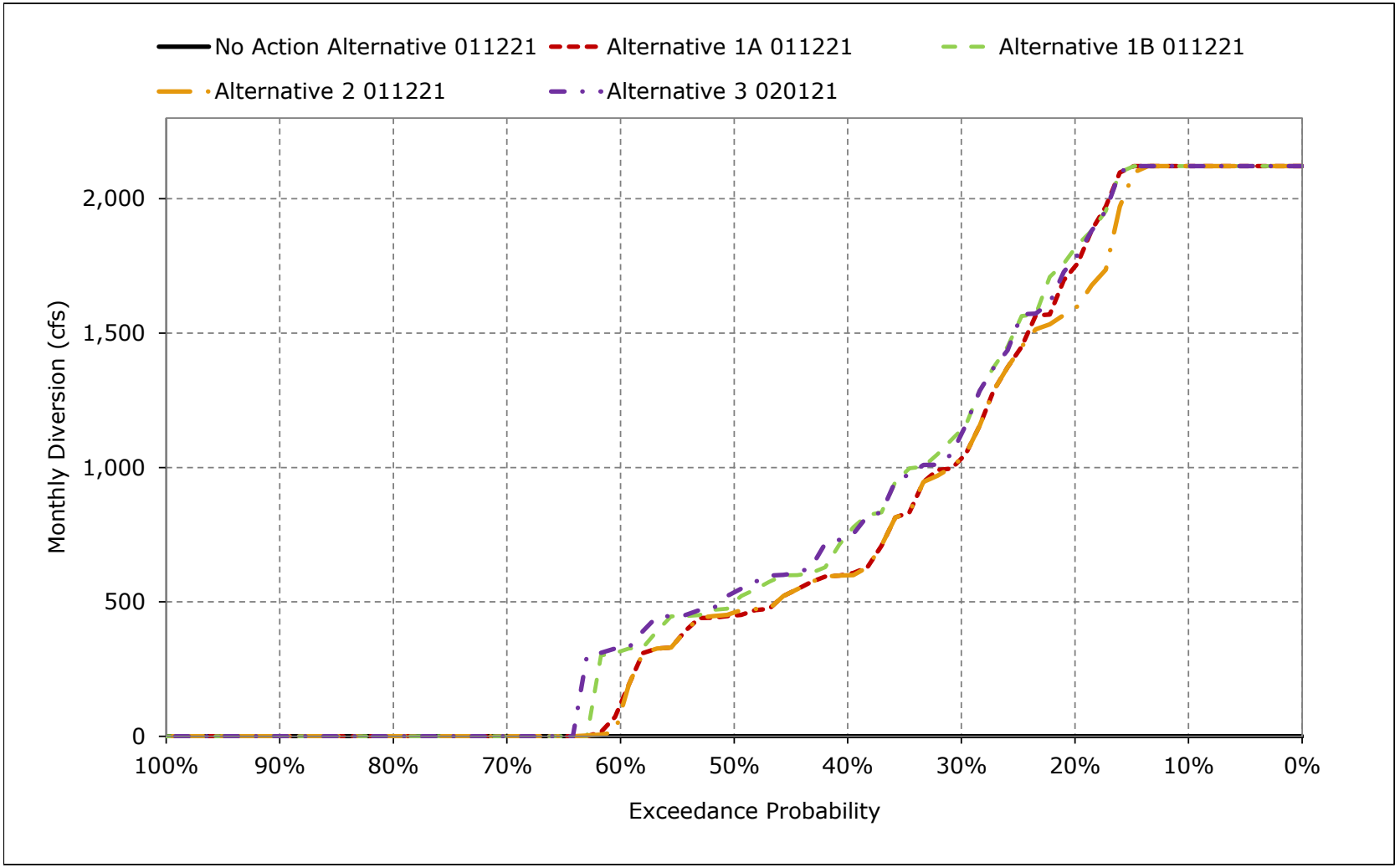


Figure 5B1-1-11. Red Bluff Diversion - Tehama Colusa Canal, February

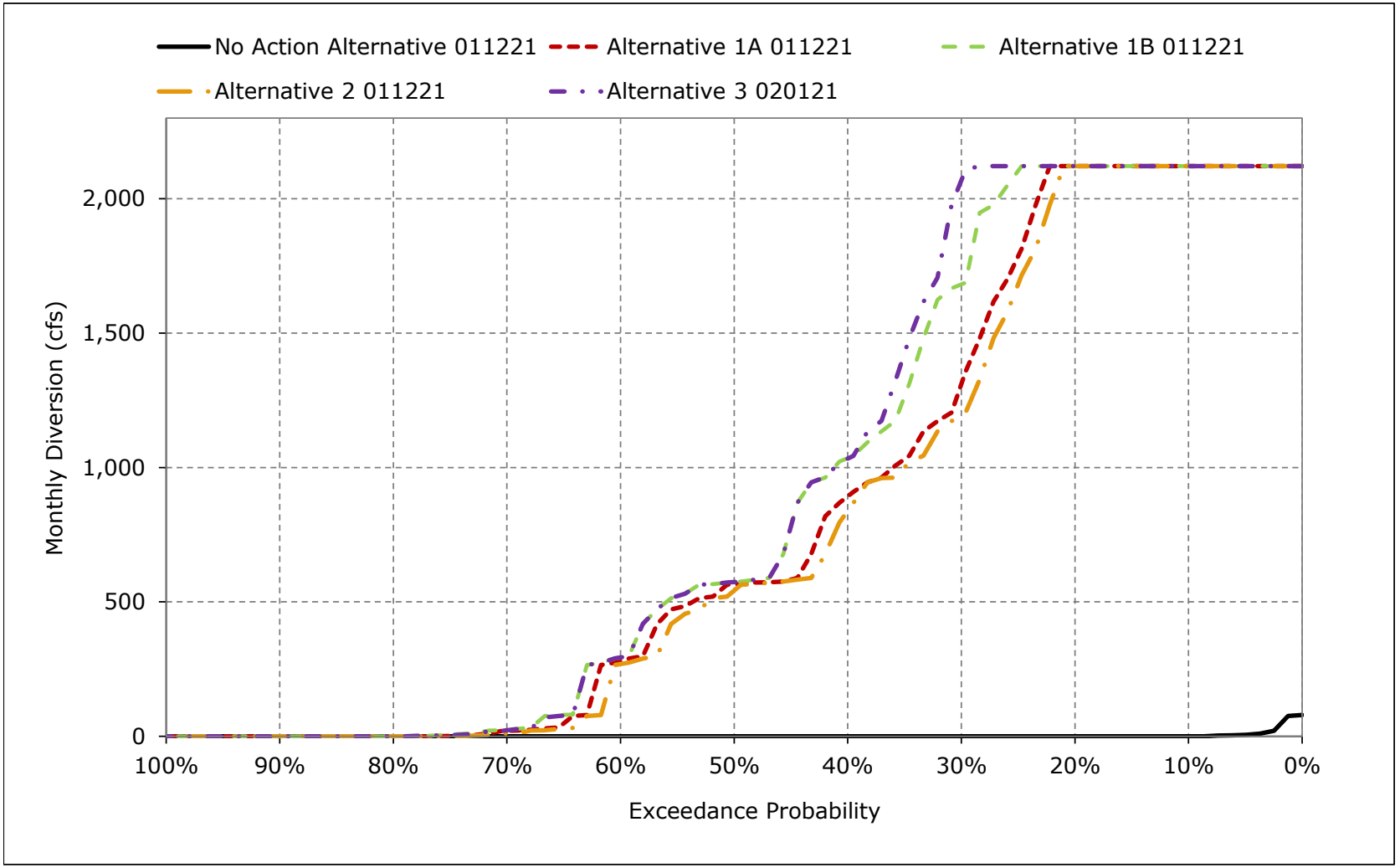


Figure 5B1-1-12. Red Bluff Diversion - Tehama Colusa Canal, March

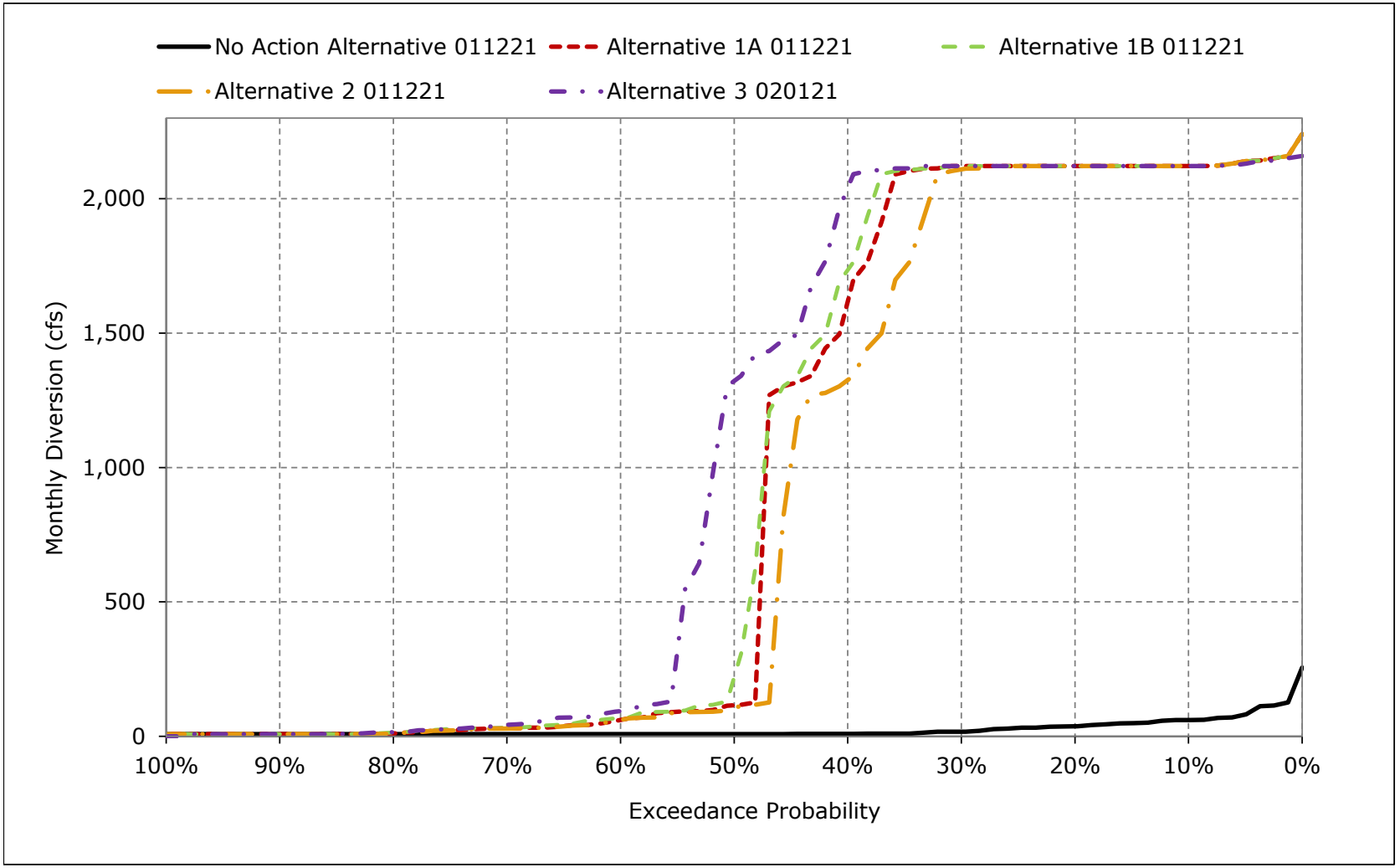


Figure 5B1-1-13. Red Bluff Diversion - Tehama Colusa Canal, April

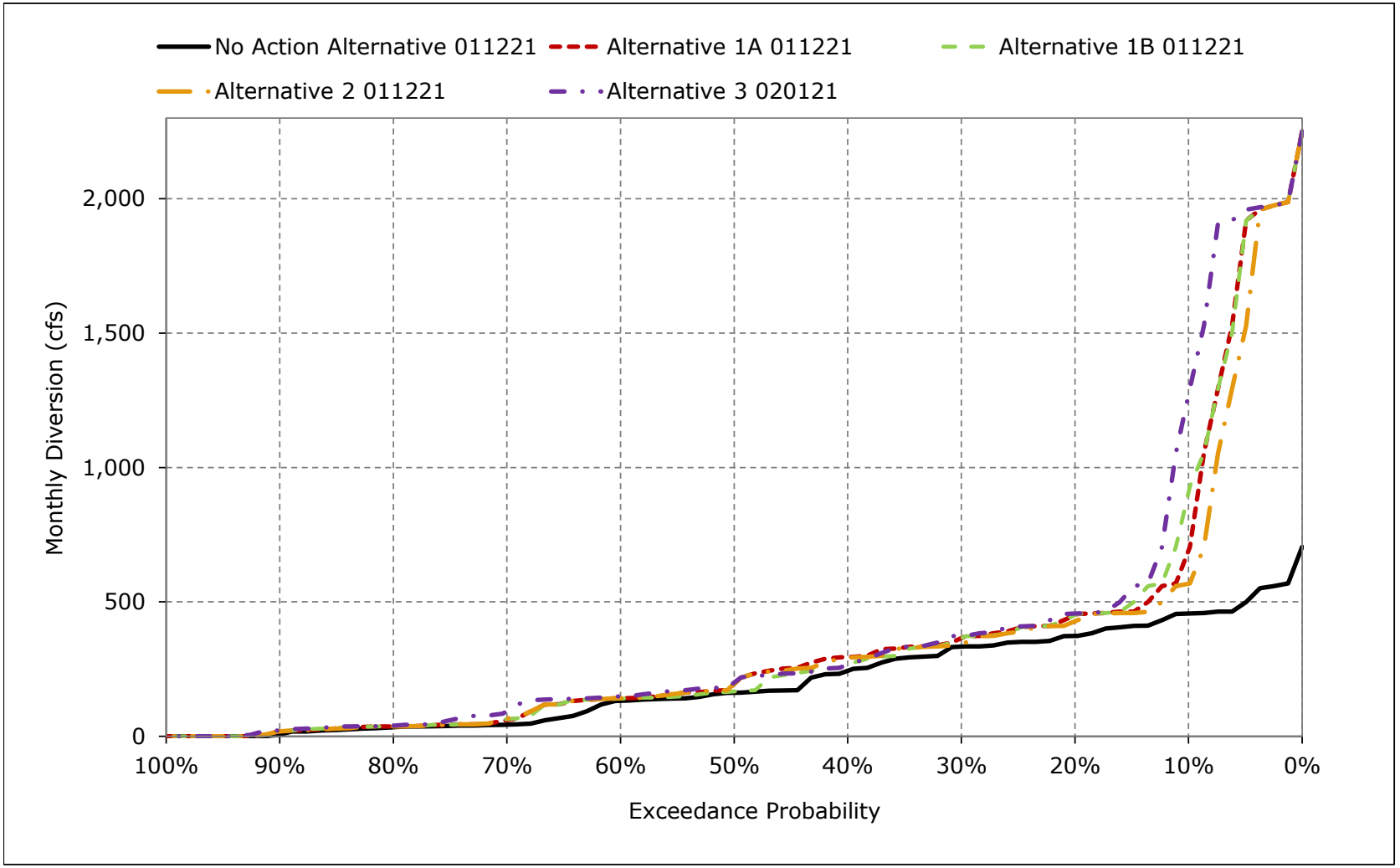


Figure 5B1-1-14. Red Bluff Diversion - Tehama Colusa Canal, May

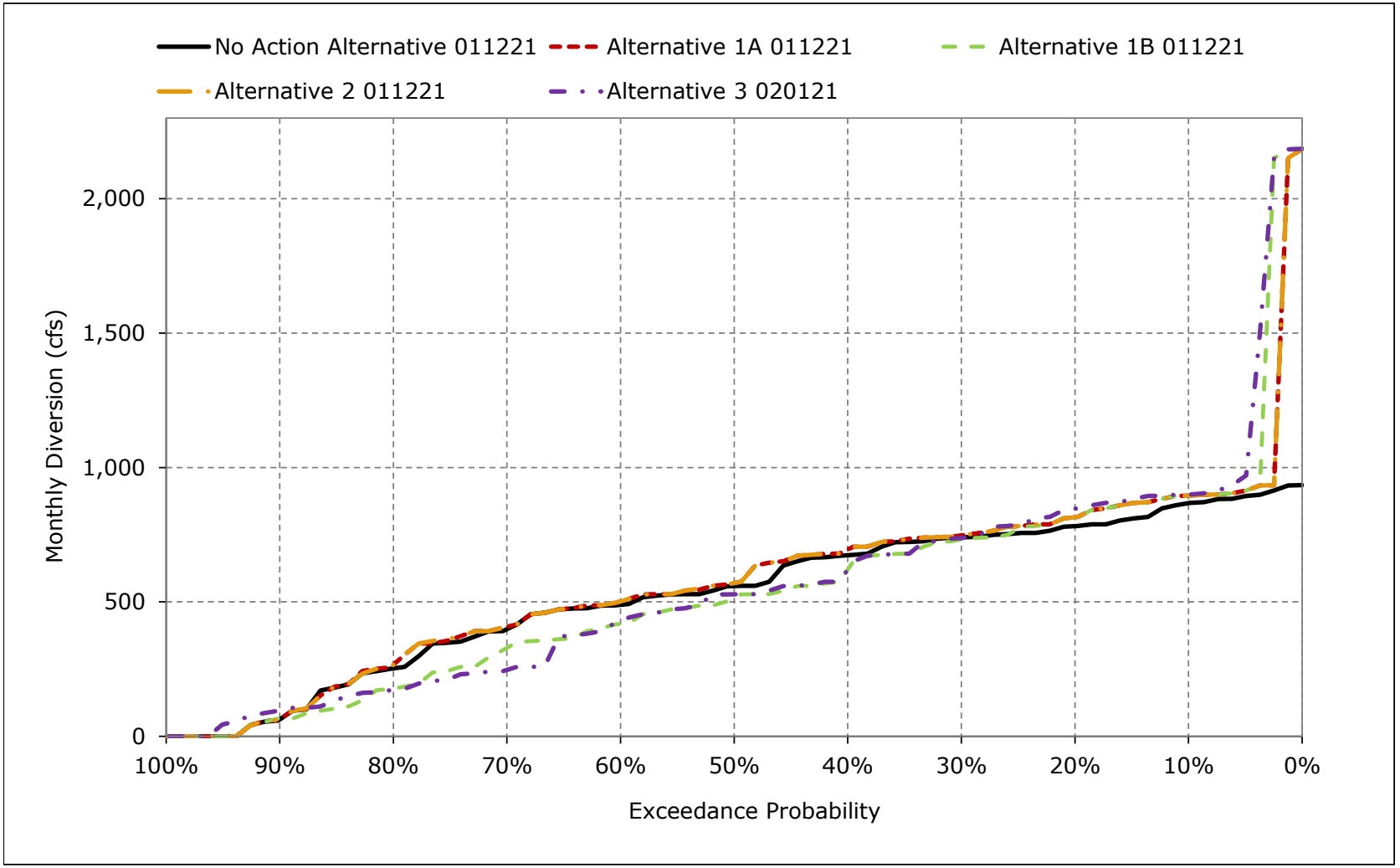


Figure 5B1-1-15. Red Bluff Diversion - Tehama Colusa Canal, June

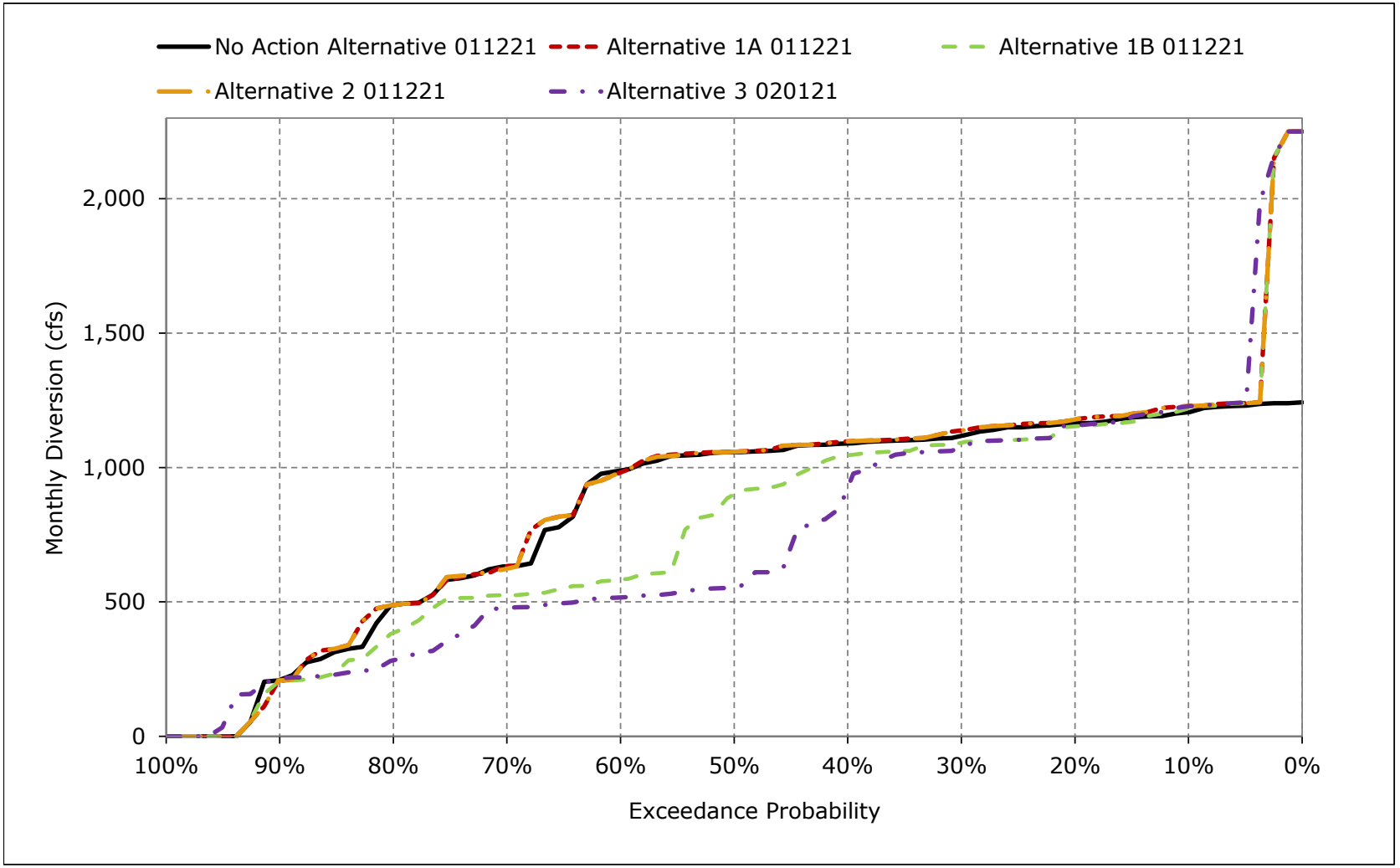


Figure 5B1-1-16. Red Bluff Diversion - Tehama Colusa Canal, July

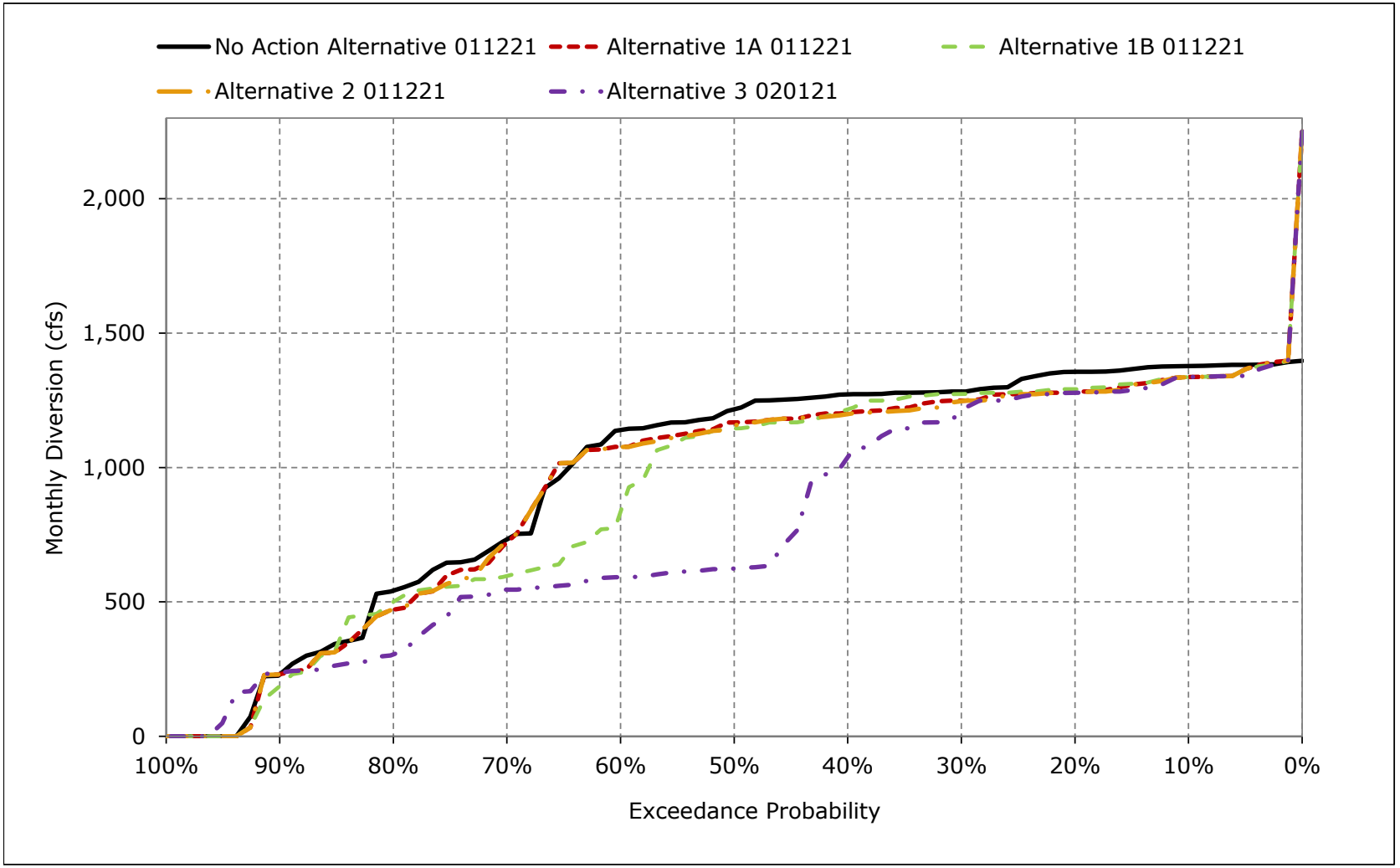


Figure 5B1-1-17. Red Bluff Diversion - Tehama Colusa Canal, August

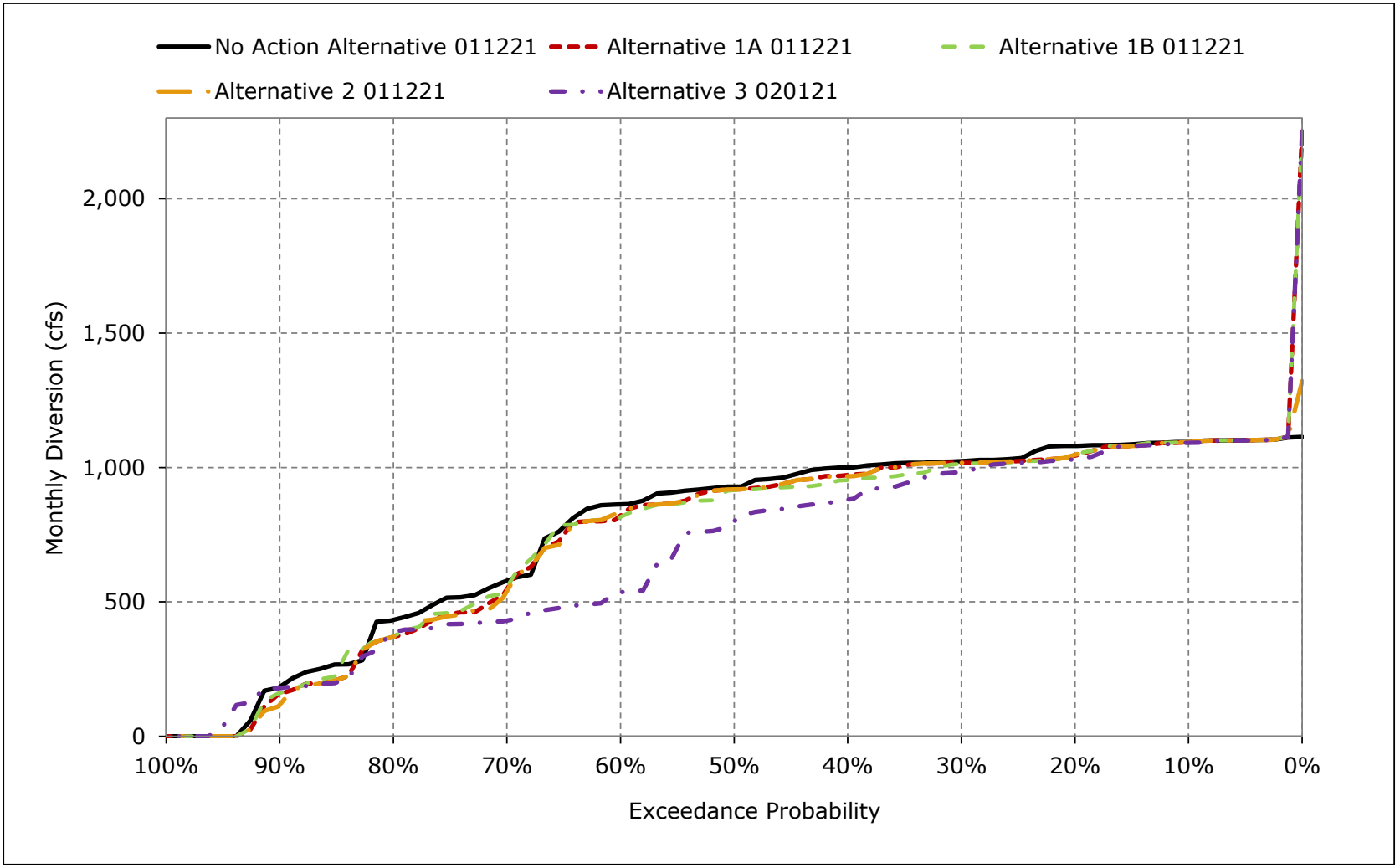


Figure 5B1-1-18. Red Bluff Diversion - Tehama Colusa Canal, September

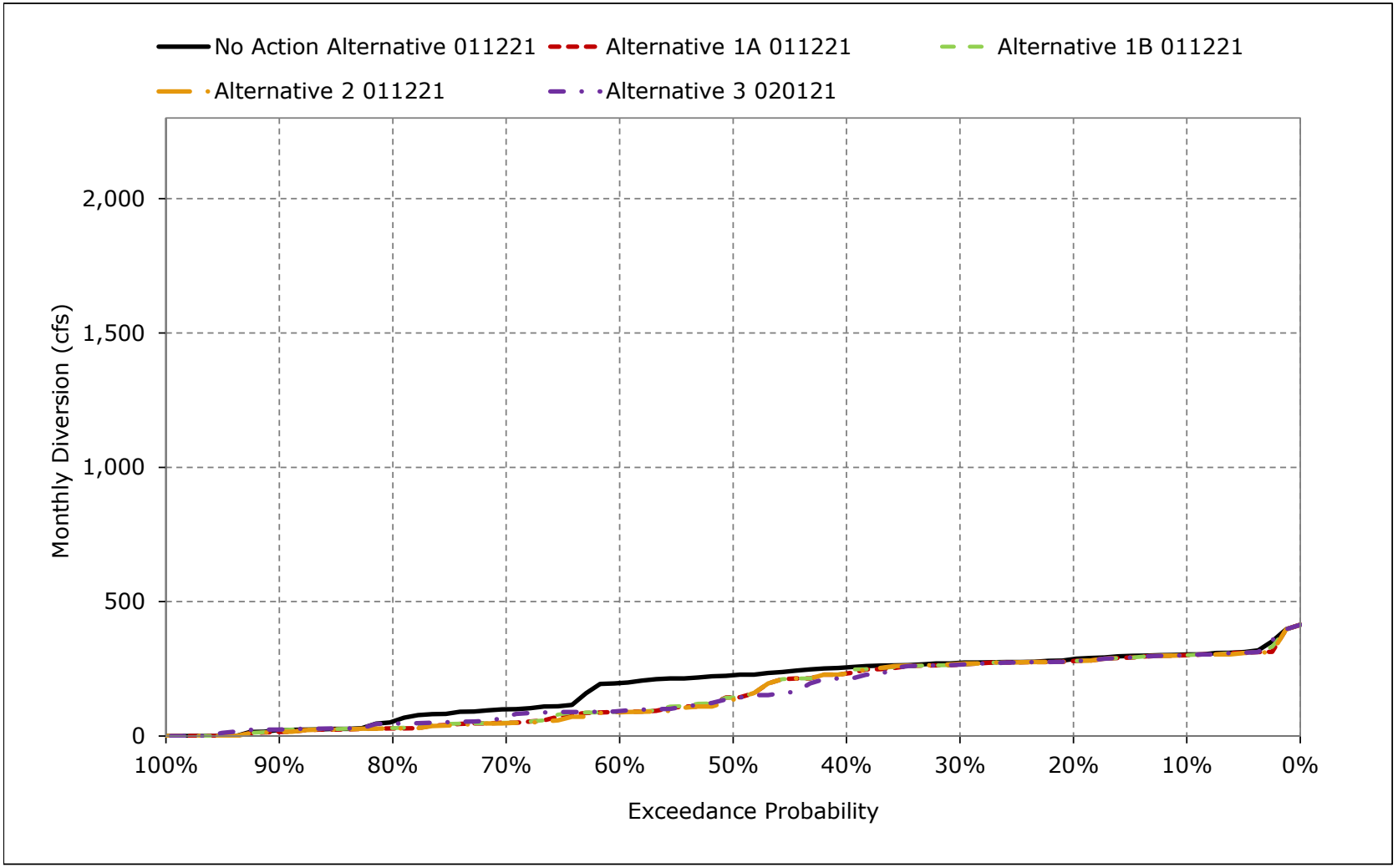


Table 5B1-2-1a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	610	798	292	126	68	67	551	2,340	2,710	2,633	2,241	633
20%	605	774	270	86	68	50	525	2,296	2,620	2,611	2,219	633
30%	598	750	249	75	68	36	493	2,260	2,543	2,563	2,093	632
40%	586	699	224	75	68	23	466	2,245	2,483	2,527	2,065	629
50%	574	679	199	75	68	12	451	2,212	2,410	2,521	1,999	614
60%	556	649	181	75	68	11	423	2,164	2,347	2,489	1,924	602
70%	541	606	159	75	66	11	410	2,079	2,297	2,443	1,844	593
80%	516	575	158	75	66	11	380	2,025	2,258	2,443	1,812	536
90%	451	546	158	64	52	11	296	1,858	2,223	2,267	1,783	493
Long Term												
Full Simulation Period[a]	556	674	209	82	67	31	435	2,142	2,427	2,490	1,994	591
Water Year Types[b,c]												
Wet (32%)	575	695	229	78	67	22	378	2,117	2,238	2,538	2,190	621
Above Normal (15%)	560	678	207	73	65	17	426	2,085	2,350	2,518	2,009	615
Below Normal (17%)	561	696	201	90	68	34	450	2,188	2,557	2,617	2,026	578
Dry (22%)	571	662	213	85	68	32	460	2,186	2,662	2,467	1,843	589
Critical (15%)	484	616	170	89	64	62	512	2,133	2,412	2,243	1,745	517

Table 5B1-2-1b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1A 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	612	784	296	673	776	1,098	1,792	2,379	2,701	2,633	2,241	633
20%	601	749	268	140	277	323	550	2,313	2,581	2,614	2,238	633
30%	574	716	237	112	73	221	525	2,281	2,519	2,563	2,093	630
40%	552	671	214	79	68	109	490	2,245	2,469	2,525	2,065	625
50%	528	619	190	75	68	63	456	2,208	2,412	2,521	1,982	595
60%	488	583	173	75	68	45	426	2,132	2,348	2,468	1,924	541
70%	421	554	158	75	68	25	414	2,052	2,310	2,346	1,797	486
80%	386	529	158	75	68	11	392	1,968	2,266	2,200	1,706	440
90%	336	447	146	75	66	11	320	1,797	2,203	1,425	1,026	344
Long Term												
Full Simulation Period[a]	542	623	235	213	234	272	631	2,136	2,409	2,310	1,866	549
Water Year Types[b,c]												
Wet (32%)	740	693	225	318	460	345	880	2,233	2,367	2,579	2,236	655
Above Normal (15%)	560	629	187	447	220	595	583	2,173	2,419	2,512	2,009	614
Below Normal (17%)	418	619	289	90	139	143	583	2,191	2,547	2,608	1,987	529
Dry (22%)	437	560	298	86	103	178	437	2,086	2,366	1,925	1,440	440
Critical (15%)	395	565	150	86	64	83	490	1,898	2,398	1,752	1,419	439

Table 5B1-2-1c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-14	4	547	707	1,031	1,240	38	-9	0	0	0
20%	-4	-25	-1	53	208	273	26	17	-40	3	19	0
30%	-24	-34	-11	38	5	185	32	21	-24	0	0	-2
40%	-33	-28	-9	4	0	86	23	0	-14	-2	0	-4
50%	-46	-60	-9	0	0	52	6	-4	2	0	-17	-19
60%	-69	-66	-8	0	0	34	3	-32	2	-22	0	-61
70%	-119	-52	-1	0	2	14	4	-27	14	-97	-47	-107
80%	-130	-46	0	0	2	0	12	-57	8	-243	-105	-96
90%	-115	-99	-12	11	14	0	24	-62	-20	-841	-757	-149
Long Term												
Full Simulation Period[a]	-14	-51	27	130	167	241	196	-6	-18	-180	-128	-42
Water Year Types[b,c]												
Wet (32%)	165	-2	-4	239	392	324	501	117	129	41	46	34
Above Normal (15%)	0	-49	-20	374	155	578	157	88	69	-5	0	-1
Below Normal (17%)	-143	-78	88	0	71	109	133	3	-10	-9	-39	-49
Dry (22%)	-134	-102	85	1	35	146	-23	-100	-296	-542	-403	-149
Critical (15%)	-89	-51	-20	-3	0	21	-22	-235	-14	-492	-326	-78

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-2-2a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	610	798	292	126	68	67	551	2,340	2,710	2,633	2,241	633
20%	605	774	270	86	68	50	525	2,296	2,620	2,611	2,219	633
30%	598	750	249	75	68	36	493	2,260	2,543	2,563	2,093	632
40%	586	699	224	75	68	23	466	2,245	2,483	2,527	2,065	629
50%	574	679	199	75	68	12	451	2,212	2,410	2,521	1,999	614
60%	556	649	181	75	68	11	423	2,164	2,347	2,489	1,924	602
70%	541	606	159	75	66	11	410	2,079	2,297	2,443	1,844	593
80%	516	575	158	75	66	11	380	2,025	2,258	2,443	1,812	536
90%	451	546	158	64	52	11	296	1,858	2,223	2,267	1,783	493
Long Term												
Full Simulation Period[a]	556	674	209	82	67	31	435	2,142	2,427	2,490	1,994	591
Water Year Types[b,c]												
Wet (32%)	575	695	229	78	67	22	378	2,117	2,238	2,538	2,190	621
Above Normal (15%)	560	678	207	73	65	17	426	2,085	2,350	2,518	2,009	615
Below Normal (17%)	561	696	201	90	68	34	450	2,188	2,557	2,617	2,026	578
Dry (22%)	571	662	213	85	68	32	460	2,186	2,662	2,467	1,843	589
Critical (15%)	484	616	170	89	64	62	512	2,133	2,412	2,243	1,745	517

Table 5B1-2-2b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1B 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	613	784	296	690	869	1,367	2,174	2,370	2,708	2,633	2,241	633
20%	603	759	268	140	397	319	552	2,301	2,613	2,611	2,238	633
30%	580	716	237	112	80	239	533	2,271	2,542	2,563	2,093	630
40%	554	673	214	77	68	111	499	2,243	2,477	2,521	2,065	627
50%	528	619	190	75	68	66	463	2,197	2,418	2,521	1,982	603
60%	488	587	173	75	68	45	429	2,095	2,360	2,464	1,910	557
70%	425	554	158	75	68	26	415	2,028	2,310	2,336	1,797	494
80%	372	507	158	75	66	11	393	1,892	2,266	2,174	1,490	442
90%	338	452	142	75	66	11	333	1,688	2,204	1,419	1,026	352
Long Term												
Full Simulation Period[a]	553	626	235	226	256	279	660	2,112	2,418	2,297	1,855	543
Water Year Types[b,c]												
Wet (32%)	741	693	225	364	524	362	970	2,255	2,397	2,578	2,236	620
Above Normal (15%)	618	639	187	447	240	596	583	2,172	2,317	2,423	2,009	612
Below Normal (17%)	421	618	289	85	137	133	583	2,039	2,573	2,578	1,950	533
Dry (22%)	437	557	296	86	101	191	440	2,075	2,461	1,948	1,421	452
Critical (15%)	410	584	150	82	64	83	481	1,883	2,317	1,756	1,416	453

Table 5B1-2-2c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-15	4	564	801	1,301	1,623	30	-2	0	0	0
20%	-3	-15	-1	54	329	269	27	5	-7	0	19	0
30%	-19	-34	-11	38	11	203	40	11	-1	0	0	-2
40%	-32	-26	-9	2	0	88	33	-2	-7	-6	0	-3
50%	-46	-60	-9	0	0	54	12	-16	7	0	-17	-11
60%	-68	-63	-8	0	0	34	5	-69	14	-25	-14	-46
70%	-116	-52	-1	0	2	14	5	-51	14	-107	-47	-99
80%	-144	-68	0	0	0	0	13	-133	8	-269	-322	-94
90%	-113	-93	-16	11	14	0	37	-170	-18	-848	-757	-141
Long Term												
Full Simulation Period[a]	-3	-47	26	144	190	248	225	-30	-9	-193	-139	-48
Water Year Types[b,c]												
Wet (32%)	166	-2	-4	286	457	340	592	138	160	40	46	-1
Above Normal (15%)	58	-39	-20	375	175	579	157	88	-32	-95	0	-3
Below Normal (17%)	-140	-78	88	-5	69	99	133	-149	16	-39	-77	-45
Dry (22%)	-134	-105	83	1	32	159	-20	-112	-201	-519	-422	-136
Critical (15%)	-74	-32	-20	-7	0	21	-30	-250	-95	-488	-329	-64

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-2-3a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	610	798	292	126	68	67	551	2,340	2,710	2,633	2,241	633
20%	605	774	270	86	68	50	525	2,296	2,620	2,611	2,219	633
30%	598	750	249	75	68	36	493	2,260	2,543	2,563	2,093	632
40%	586	699	224	75	68	23	466	2,245	2,483	2,527	2,065	629
50%	574	679	199	75	68	12	451	2,212	2,410	2,521	1,999	614
60%	556	649	181	75	68	11	423	2,164	2,347	2,489	1,924	602
70%	541	606	159	75	66	11	410	2,079	2,297	2,443	1,844	593
80%	516	575	158	75	66	11	380	2,025	2,258	2,443	1,812	536
90%	451	546	158	64	52	11	296	1,858	2,223	2,267	1,783	493
Long Term												
Full Simulation Period[a]	556	674	209	82	67	31	435	2,142	2,427	2,490	1,994	591
Water Year Types[b,c]												
Wet (32%)	575	695	229	78	67	22	378	2,117	2,238	2,538	2,190	621
Above Normal (15%)	560	678	207	73	65	17	426	2,085	2,350	2,518	2,009	615
Below Normal (17%)	561	696	201	90	68	34	450	2,188	2,557	2,617	2,026	578
Dry (22%)	571	662	213	85	68	32	460	2,186	2,662	2,467	1,843	589
Critical (15%)	484	616	170	89	64	62	512	2,133	2,412	2,243	1,745	517

Table 5B1-2-3b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 2 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	612	782	296	673	786	808	584	2,373	2,710	2,633	2,241	633
20%	601	749	268	140	224	313	547	2,313	2,597	2,614	2,238	633
30%	574	708	237	112	69	192	523	2,281	2,542	2,563	2,093	630
40%	551	673	214	77	68	84	490	2,245	2,484	2,525	2,065	627
50%	520	637	190	75	68	54	456	2,208	2,418	2,521	1,982	596
60%	477	590	173	75	68	35	426	2,132	2,359	2,468	1,924	541
70%	425	560	158	75	68	15	414	2,049	2,309	2,352	1,824	486
80%	386	543	158	75	67	11	392	1,967	2,266	2,202	1,714	428
90%	336	466	138	75	66	11	321	1,791	2,203	1,427	1,026	347
Long Term												
Full Simulation Period[a]	538	628	235	212	229	237	614	2,136	2,419	2,316	1,887	539
Water Year Types[b,c]												
Wet (32%)	738	693	225	316	445	253	825	2,230	2,363	2,578	2,235	620
Above Normal (15%)	560	624	187	447	222	570	583	2,173	2,419	2,512	2,009	614
Below Normal (17%)	415	610	289	90	139	138	583	2,191	2,547	2,609	1,987	522
Dry (22%)	436	587	296	86	103	171	437	2,086	2,405	1,928	1,487	436
Critical (15%)	381	576	152	86	64	83	490	1,906	2,411	1,791	1,496	459

Table 5B1-2-3c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 2 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-16	4	547	717	742	32	32	0	0	0	0
20%	-4	-25	-1	53	156	263	22	17	-23	3	19	0
30%	-24	-42	-11	38	1	156	30	21	-1	0	0	-2
40%	-35	-26	-9	2	0	61	23	0	1	-2	0	-3
50%	-53	-42	-9	0	0	43	6	-4	7	0	-17	-17
60%	-79	-59	-8	0	0	24	3	-32	13	-22	0	-61
70%	-116	-45	-1	0	2	3	4	-30	12	-91	-20	-107
80%	-130	-32	0	0	0	0	12	-57	8	-241	-97	-109
90%	-115	-80	-20	11	14	0	25	-67	-20	-839	-757	-146
Long Term												
Full Simulation Period[a]	-18	-45	26	130	163	206	179	-6	-8	-174	-107	-52
Water Year Types[b,c]												
Wet (32%)	163	-2	-4	238	378	231	446	114	125	40	45	-1
Above Normal (15%)	0	-54	-20	374	157	553	157	88	69	-5	0	-1
Below Normal (17%)	-146	-86	88	0	72	104	133	3	-10	-9	-39	-56
Dry (22%)	-135	-75	83	1	35	139	-23	-100	-257	-538	-355	-152
Critical (15%)	-103	-40	-18	-3	0	21	-22	-227	-1	-453	-249	-58

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-2-4a. Hamilton City Diversion - Glenn Colusa Canal, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	610	798	292	126	68	67	551	2,340	2,710	2,633	2,241	633
20%	605	774	270	86	68	50	525	2,296	2,620	2,611	2,219	633
30%	598	750	249	75	68	36	493	2,260	2,543	2,563	2,093	632
40%	586	699	224	75	68	23	466	2,245	2,483	2,527	2,065	629
50%	574	679	199	75	68	12	451	2,212	2,410	2,521	1,999	614
60%	556	649	181	75	68	11	423	2,164	2,347	2,489	1,924	602
70%	541	606	159	75	66	11	410	2,079	2,297	2,443	1,844	593
80%	516	575	158	75	66	11	380	2,025	2,258	2,443	1,812	536
90%	451	546	158	64	52	11	296	1,858	2,223	2,267	1,783	493
Long Term												
Full Simulation Period[a]	556	674	209	82	67	31	435	2,142	2,427	2,490	1,994	591
Water Year Types[b,c]												
Wet (32%)	575	695	229	78	67	22	378	2,117	2,238	2,538	2,190	621
Above Normal (15%)	560	678	207	73	65	17	426	2,085	2,350	2,518	2,009	615
Below Normal (17%)	561	696	201	90	68	34	450	2,188	2,557	2,617	2,026	578
Dry (22%)	571	662	213	85	68	32	460	2,186	2,662	2,467	1,843	589
Critical (15%)	484	616	170	89	64	62	512	2,133	2,412	2,243	1,745	517

Table 5B1-2-4b. Hamilton City Diversion - Glenn Colusa Canal, Alternative 3 020121, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	612	787	297	690	911	1,426	2,207	2,395	2,697	2,617	2,241	633
20%	603	753	270	140	550	342	562	2,295	2,577	2,538	2,238	633
30%	590	716	240	118	125	270	539	2,259	2,478	2,521	2,093	630
40%	554	680	221	79	68	148	520	2,222	2,392	2,467	2,065	628
50%	515	637	194	75	68	73	469	2,142	2,304	2,333	1,982	608
60%	484	588	173	75	68	52	442	2,046	2,261	2,189	1,854	573
70%	421	559	158	75	68	32	420	1,944	2,208	1,565	1,779	492
80%	372	533	158	75	67	12	404	1,797	1,931	1,446	1,641	451
90%	337	466	146	75	66	11	354	1,319	1,638	1,400	1,026	351
Long Term												
Full Simulation Period[a]	564	633	250	228	293	326	703	2,063	2,264	2,100	1,849	557
Water Year Types[b,c]												
Wet (32%)	742	693	225	364	561	511	1,101	2,314	2,395	2,577	2,236	656
Above Normal (15%)	623	630	281	449	351	596	583	2,173	2,084	1,547	1,751	610
Below Normal (17%)	423	610	289	90	187	134	583	1,942	2,128	2,260	1,923	542
Dry (22%)	449	597	303	86	103	195	441	1,900	2,248	1,848	1,509	461
Critical (15%)	454	587	146	85	60	76	491	1,795	2,339	1,809	1,530	450

Table 5B1-2-4c. Hamilton City Diversion - Glenn Colusa Canal, Alternative 3 020121 minus No Action Alternative 011221, Monthly Diversion (cfs)

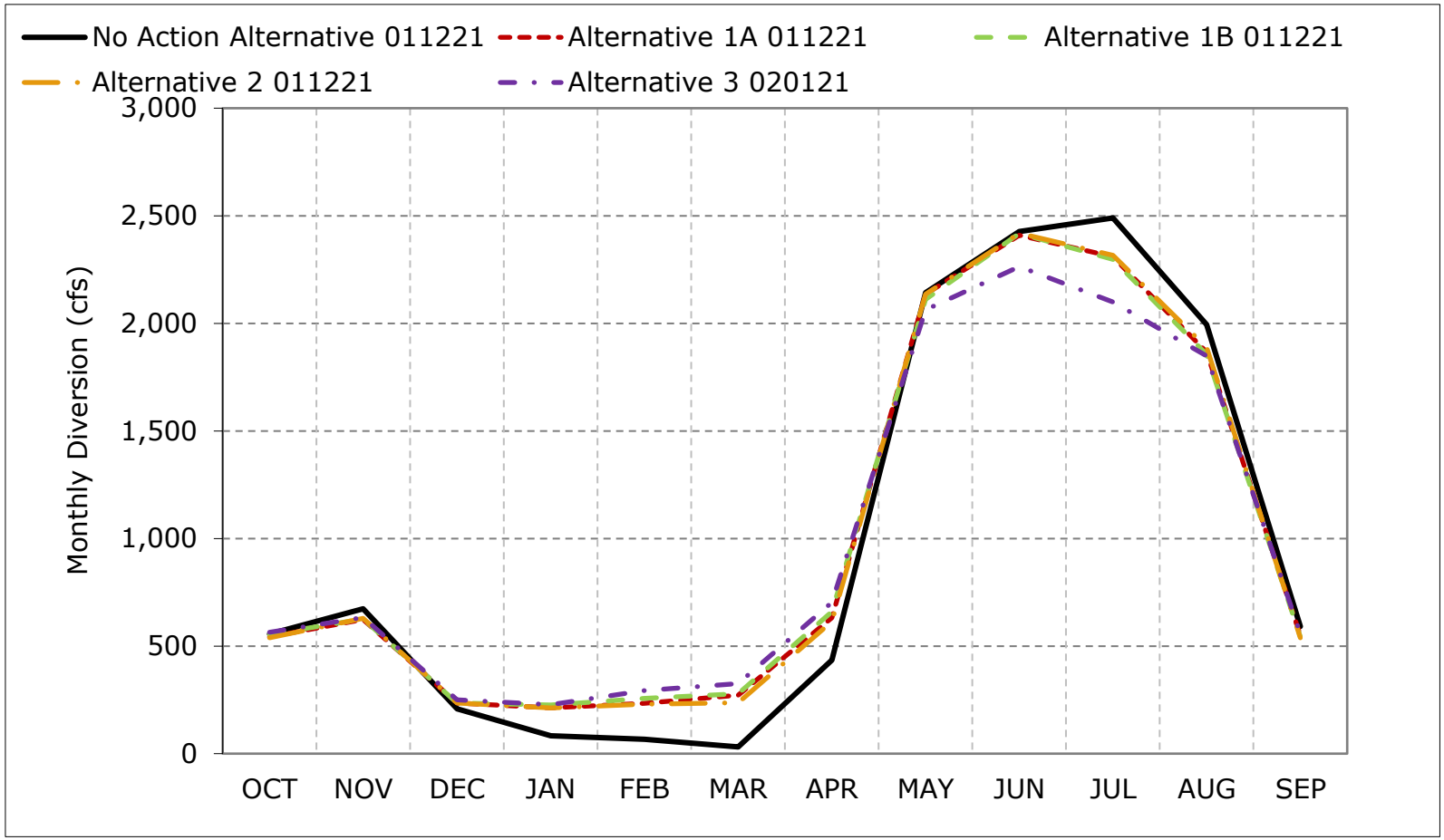
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-11	6	564	843	1,360	1,655	55	-13	-16	0	0
20%	-2	-22	0	54	481	293	37	-1	-44	-73	19	0
30%	-8	-34	-8	44	56	234	46	-1	-65	-41	0	-2
40%	-32	-19	-2	4	0	125	53	-23	-91	-60	0	-1
50%	-59	-42	-6	0	0	61	19	-70	-106	-189	-17	-6
60%	-73	-61	-8	0	0	40	18	-118	-86	-300	-70	-29
70%	-120	-47	-1	0	2	21	10	-135	-88	-877	-65	-101
80%	-144	-42	0	0	0	1	24	-228	-328	-997	-171	-85
90%	-114	-80	-12	11	14	0	58	-539	-585	-867	-757	-142
Long Term												
Full Simulation Period[a]	7	-41	41	145	226	295	268	-79	-163	-390	-145	-34
Water Year Types[b,c]												
Wet (32%)	167	-2	-4	286	494	490	723	197	158	39	46	35
Above Normal (15%)	63	-47	74	376	286	579	157	89	-265	-971	-258	-5
Below Normal (17%)	-138	-86	88	0	119	100	133	-246	-429	-357	-103	-36
Dry (22%)	-122	-65	90	1	35	163	-19	-287	-414	-619	-334	-128
Critical (15%)	-30	-29	-24	-4	-4	14	-20	-338	-72	-434	-215	-67

a Based on the 82-year simulation period.

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

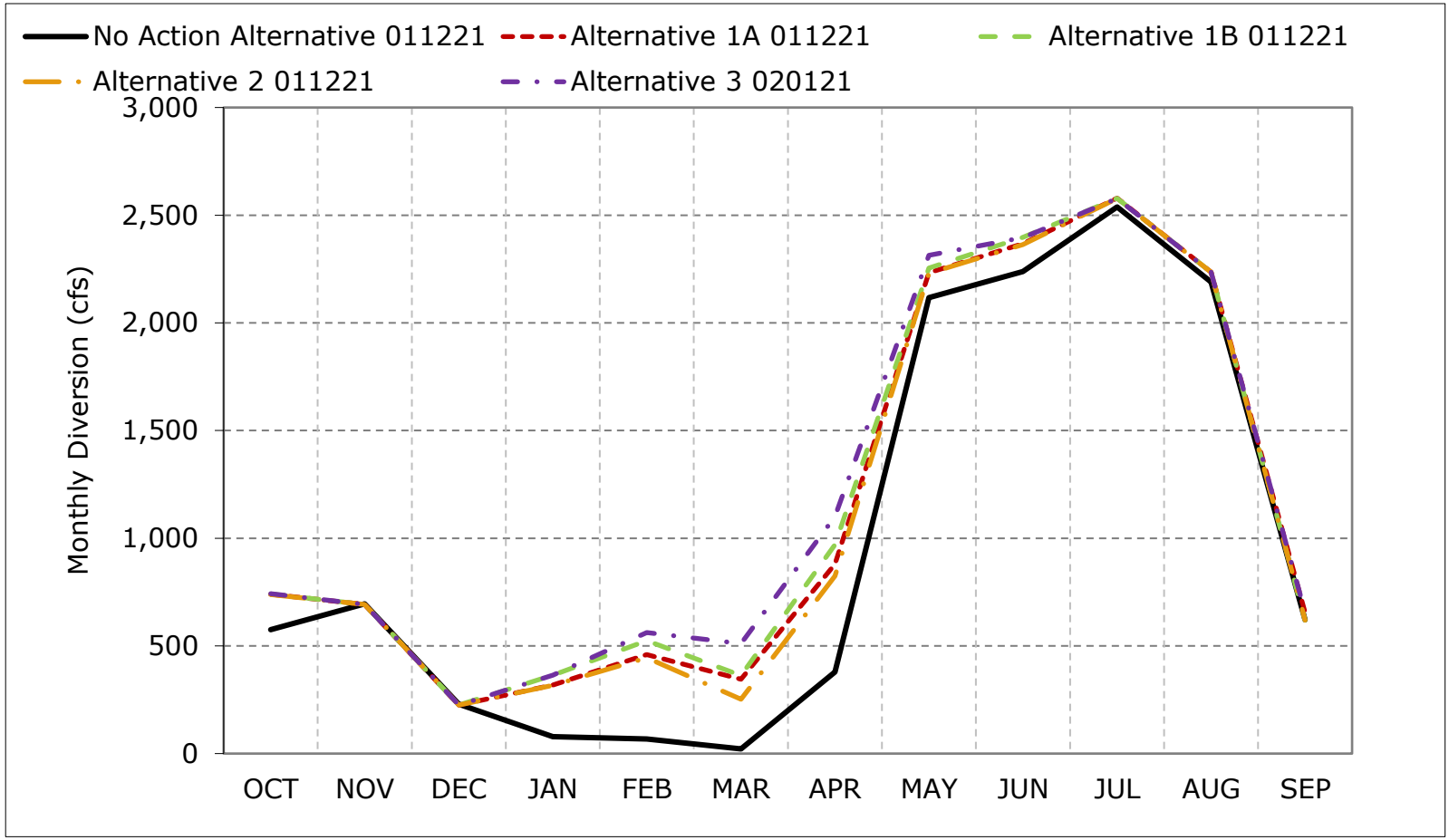
c These results are displayed with calendar year - year type sorting.

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



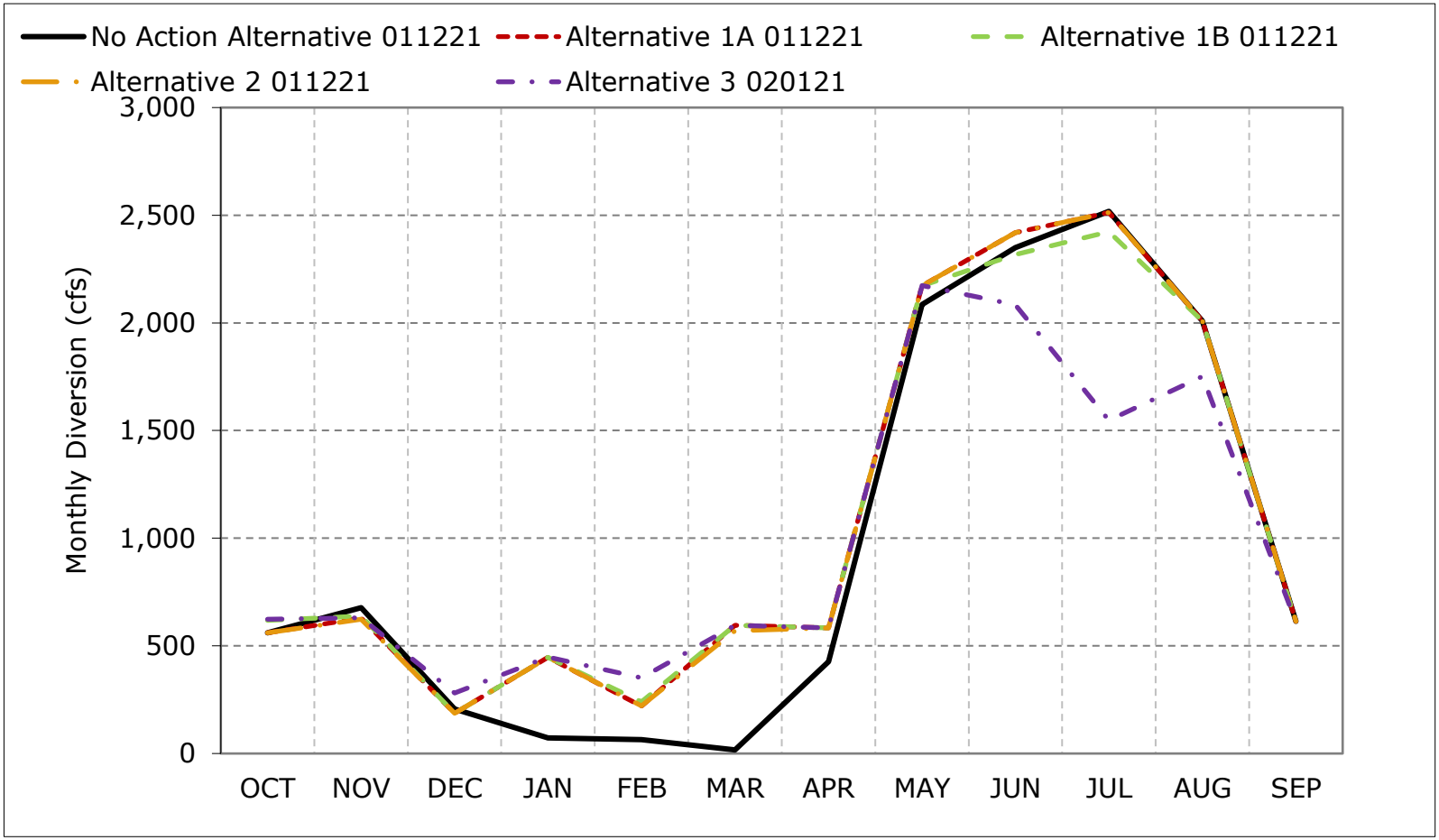
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



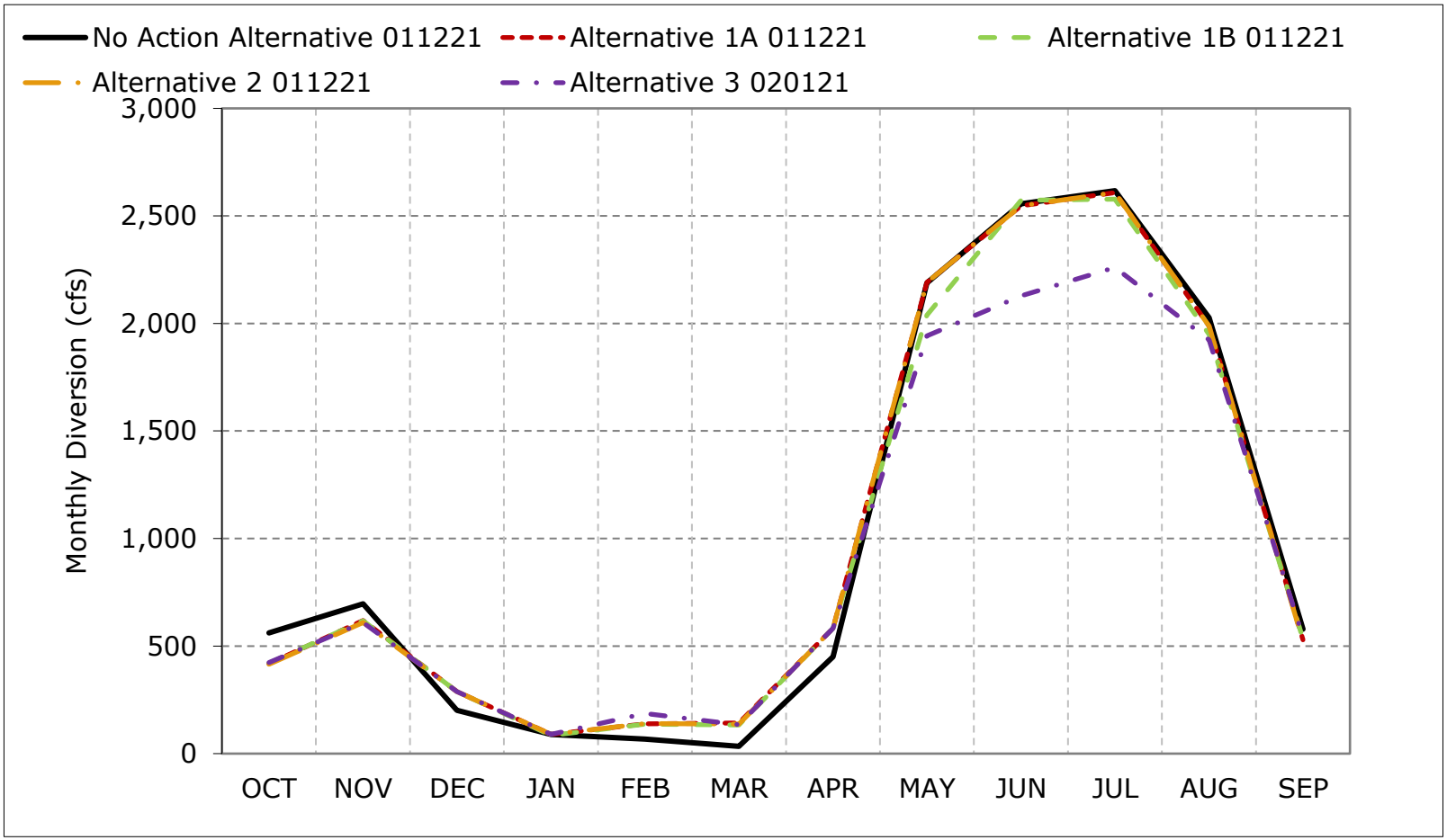
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



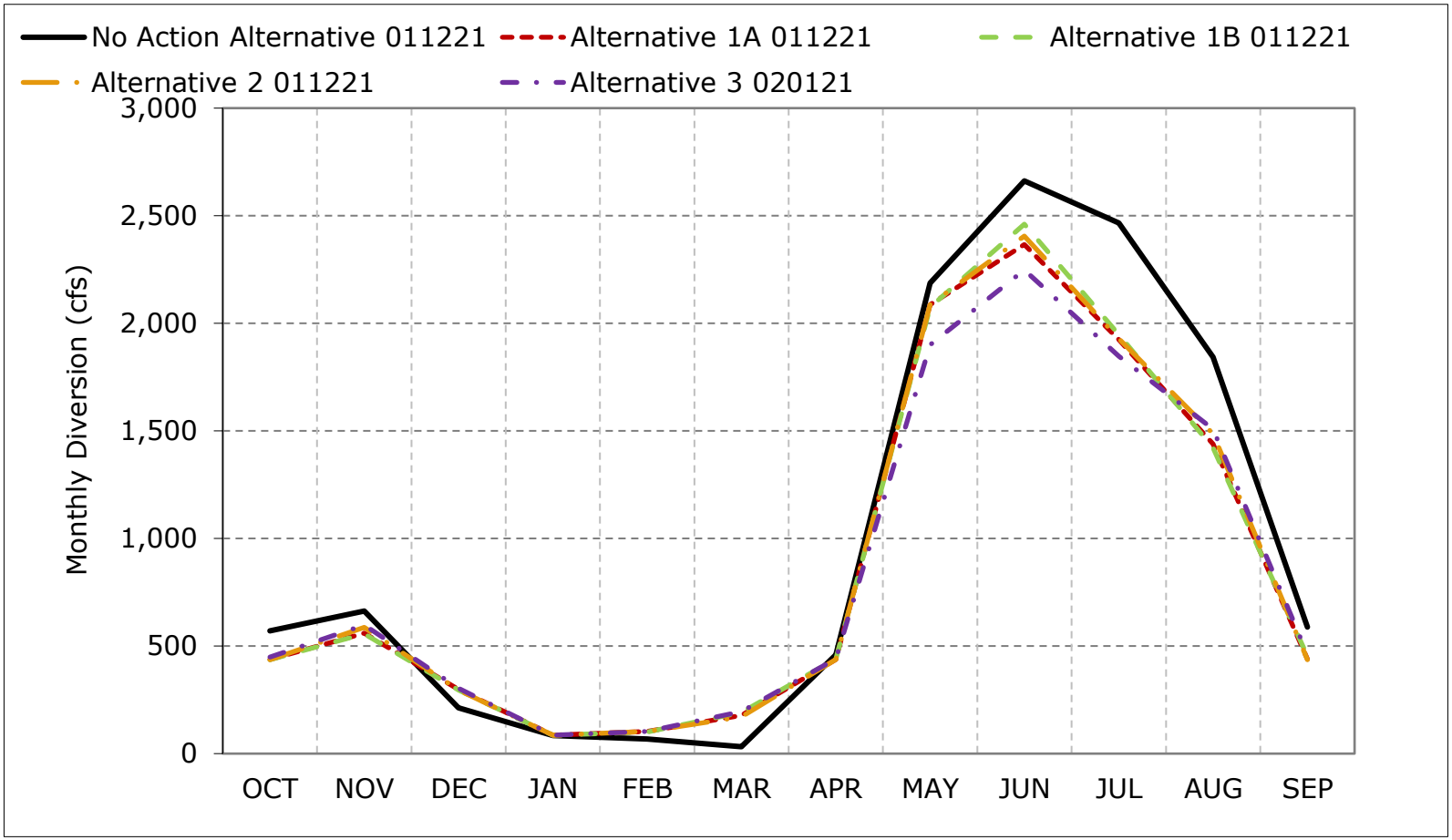
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



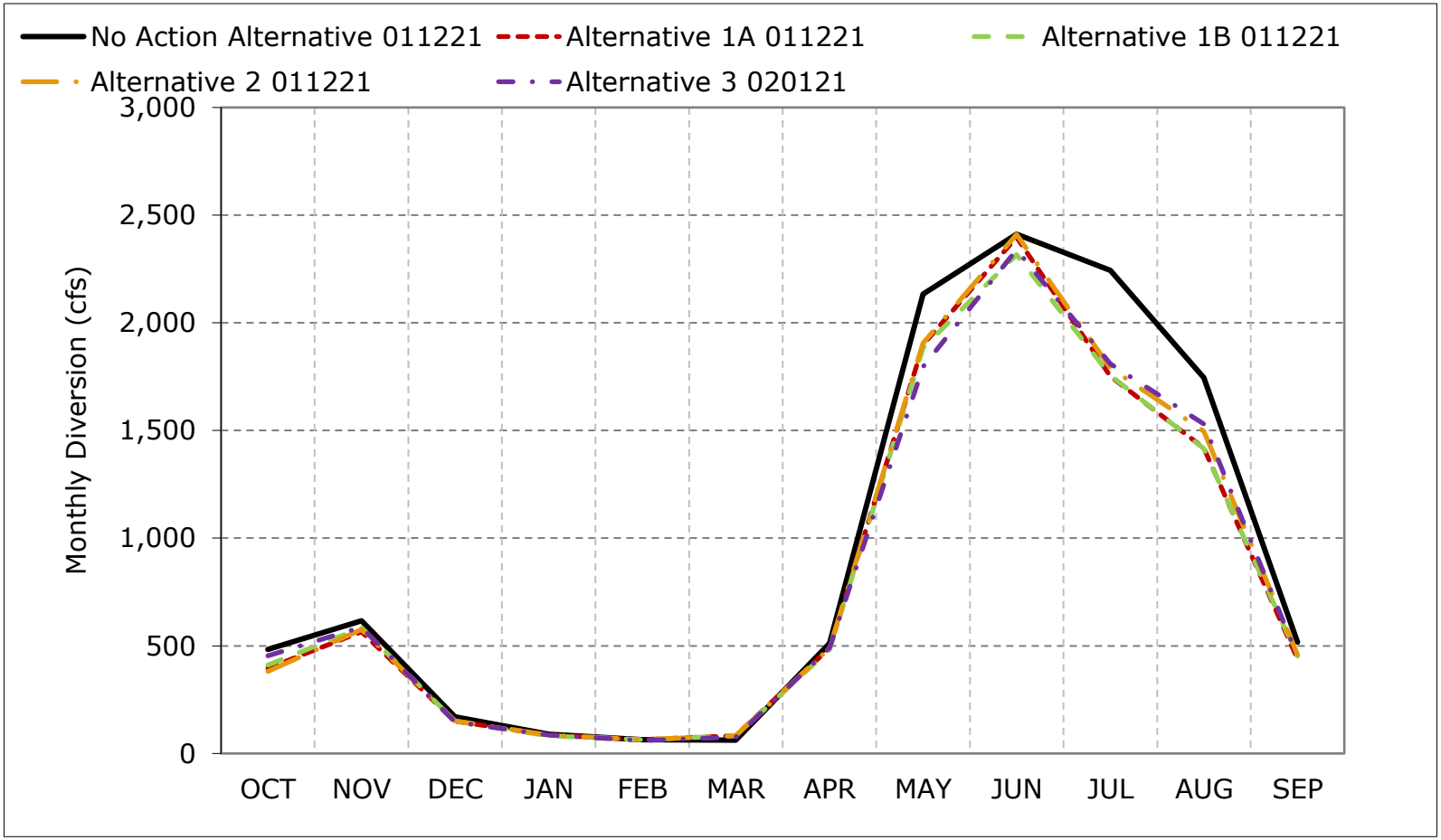
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

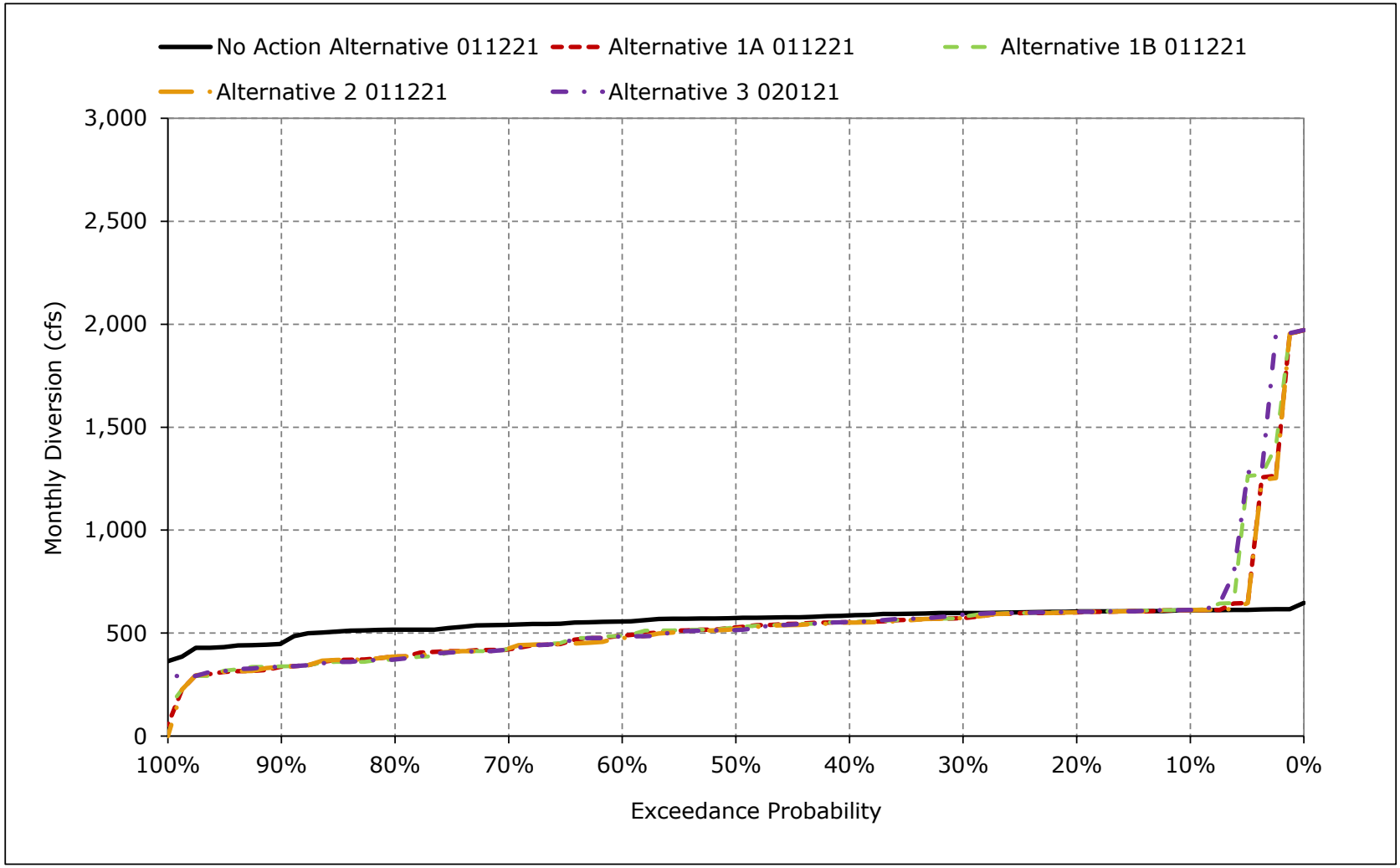


Figure 5B1-2-8. Hamilton City Diversion - Glenn Colusa Canal, November

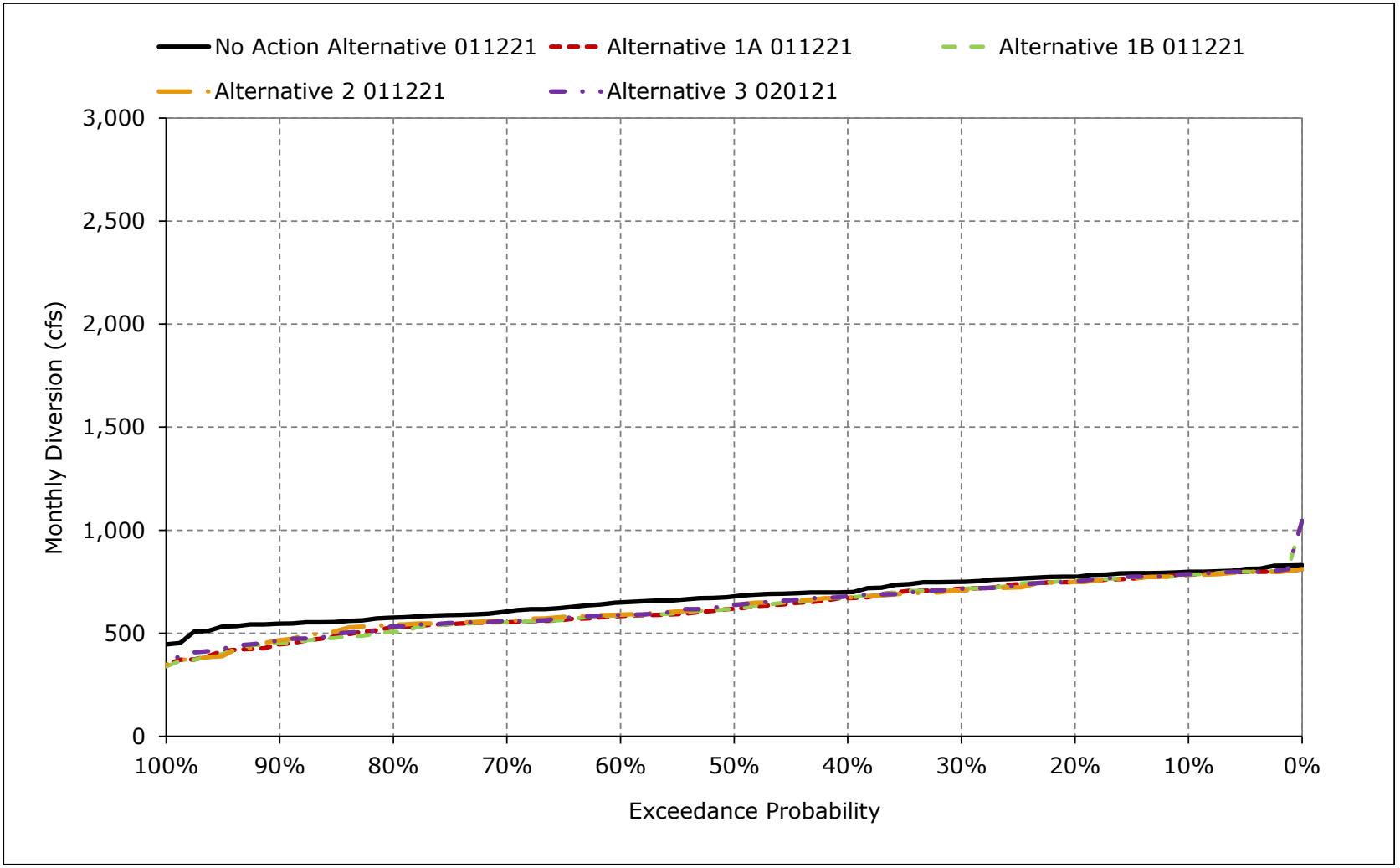


Figure 5B1-2-9. Hamilton City Diversion - Glenn Colusa Canal, December

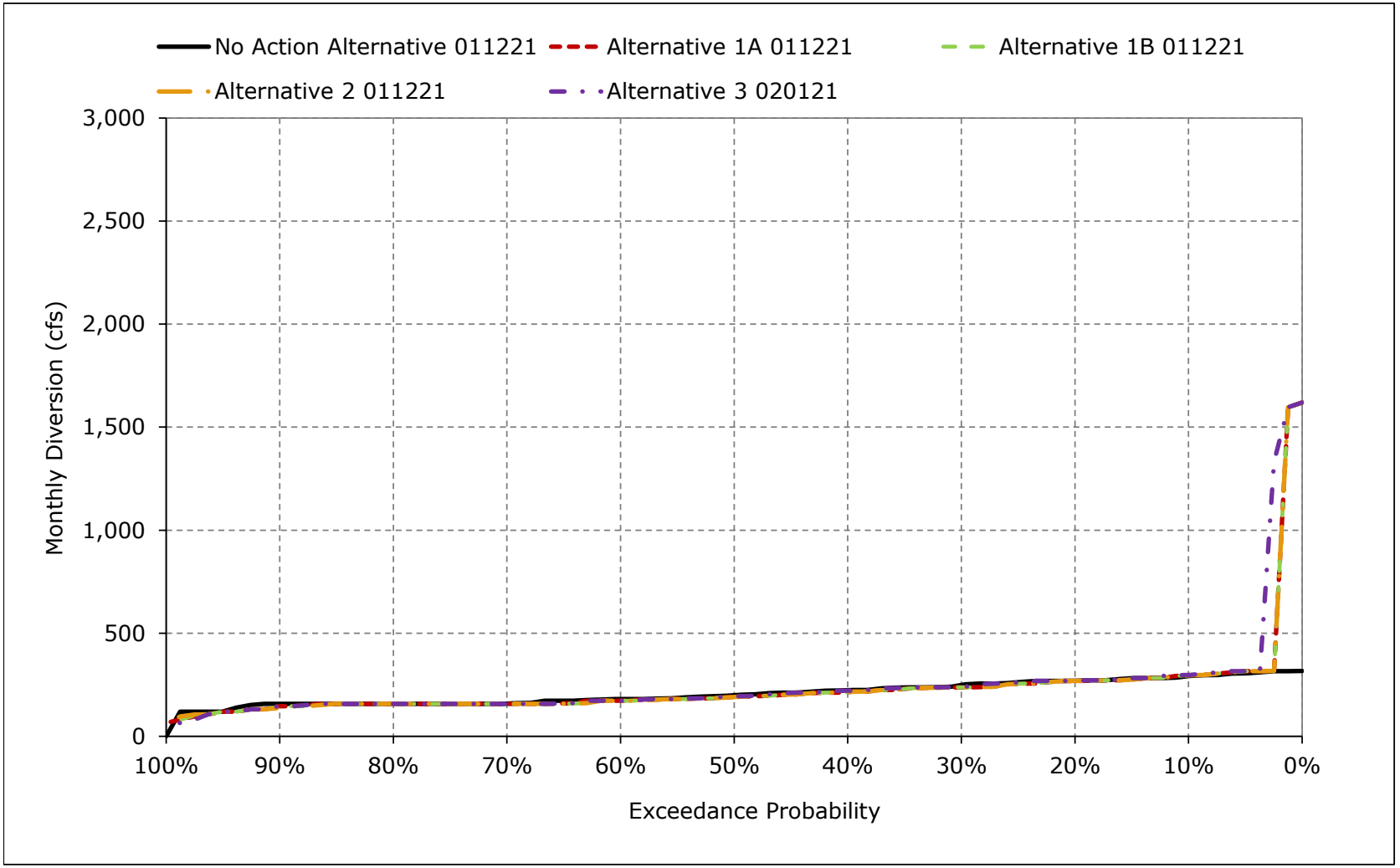


Figure 5B1-2-10. Hamilton City Diversion - Glenn Colusa Canal, January

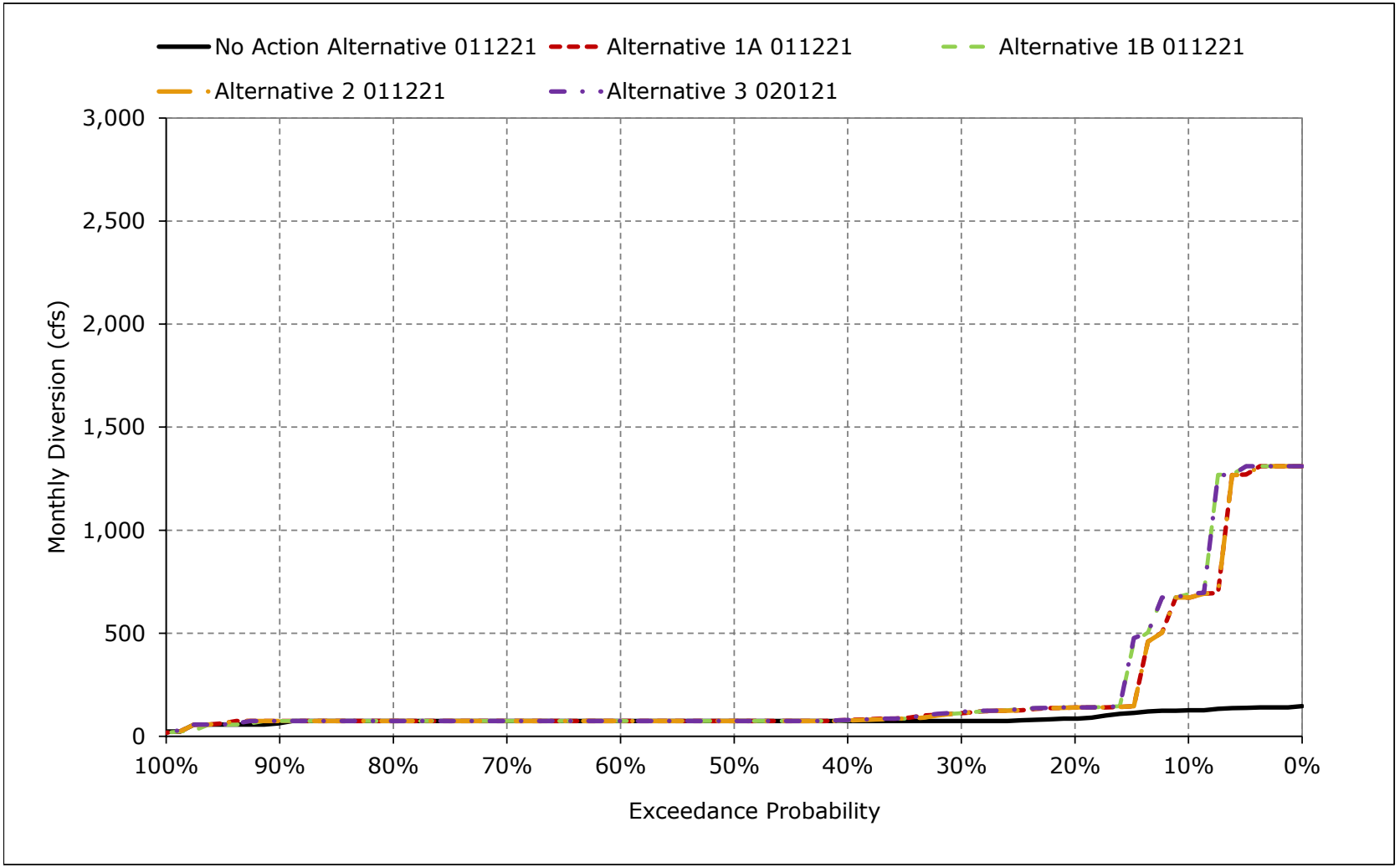


Figure 5B1-2-11. Hamilton City Diversion - Glenn Colusa Canal, February

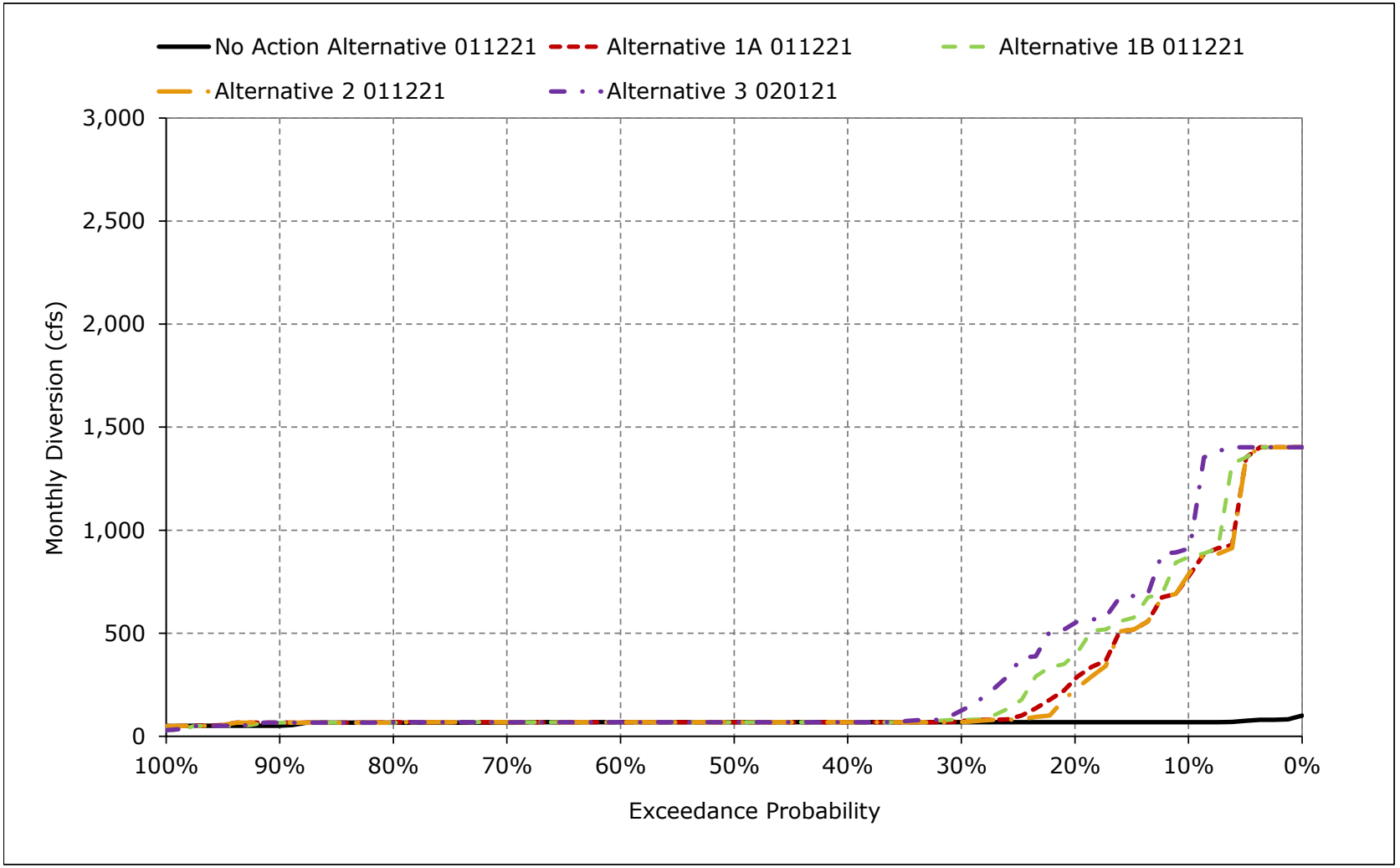


Figure 5B1-2-12. Hamilton City Diversion - Glenn Colusa Canal, March

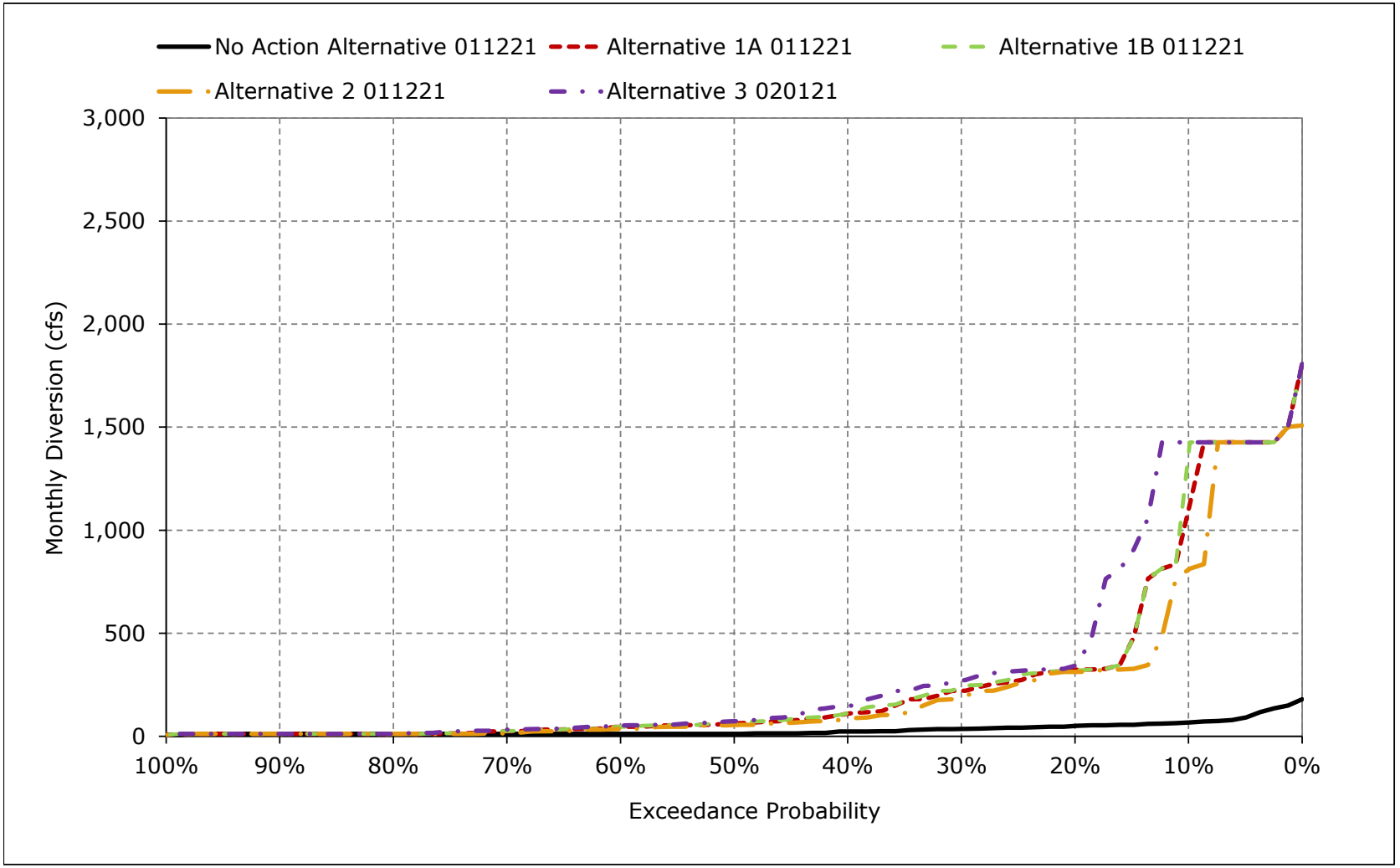


Figure 5B1-2-13. Hamilton City Diversion - Glenn Colusa Canal, April

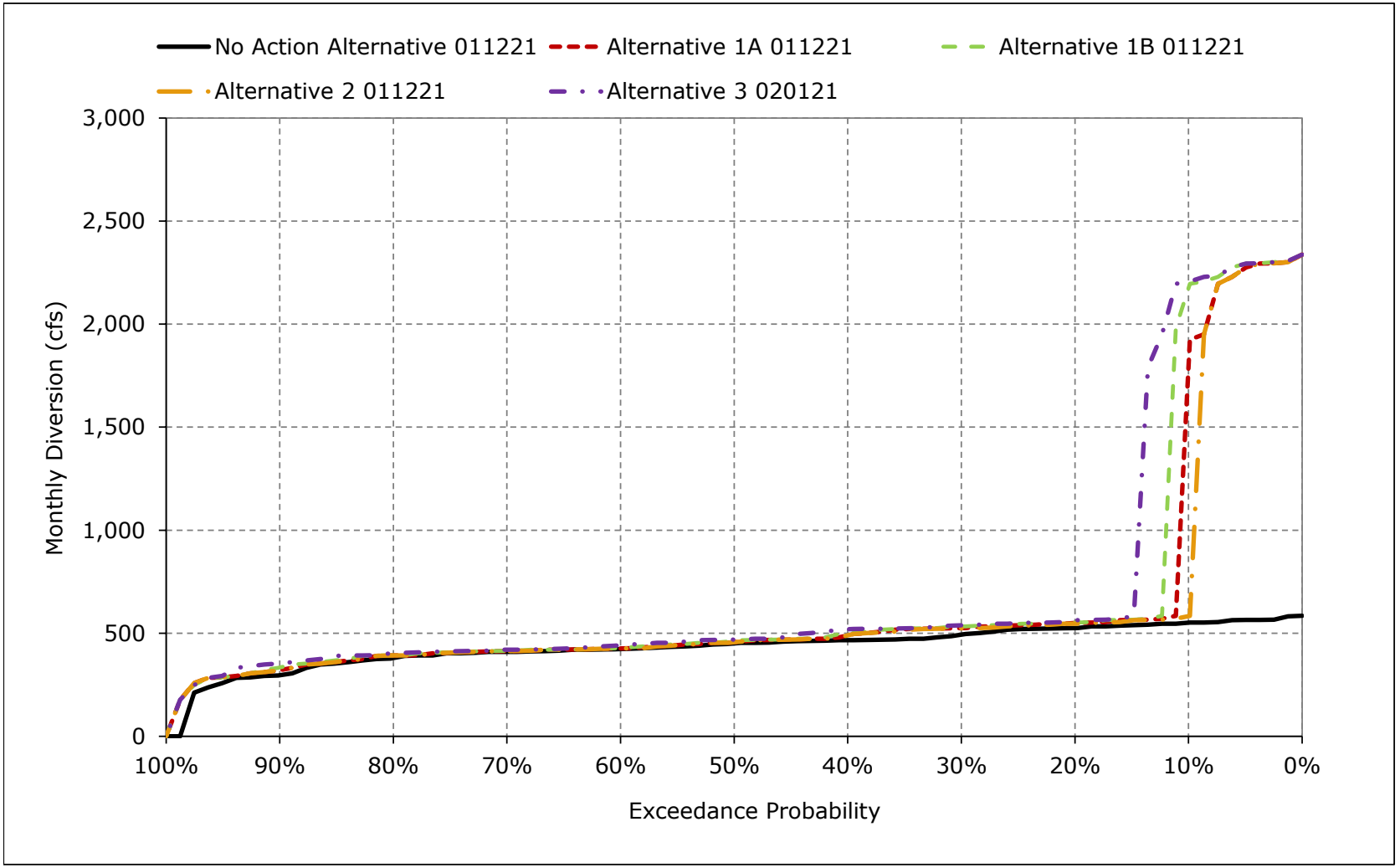


Figure 5B1-2-14. Hamilton City Diversion - Glenn Colusa Canal, May

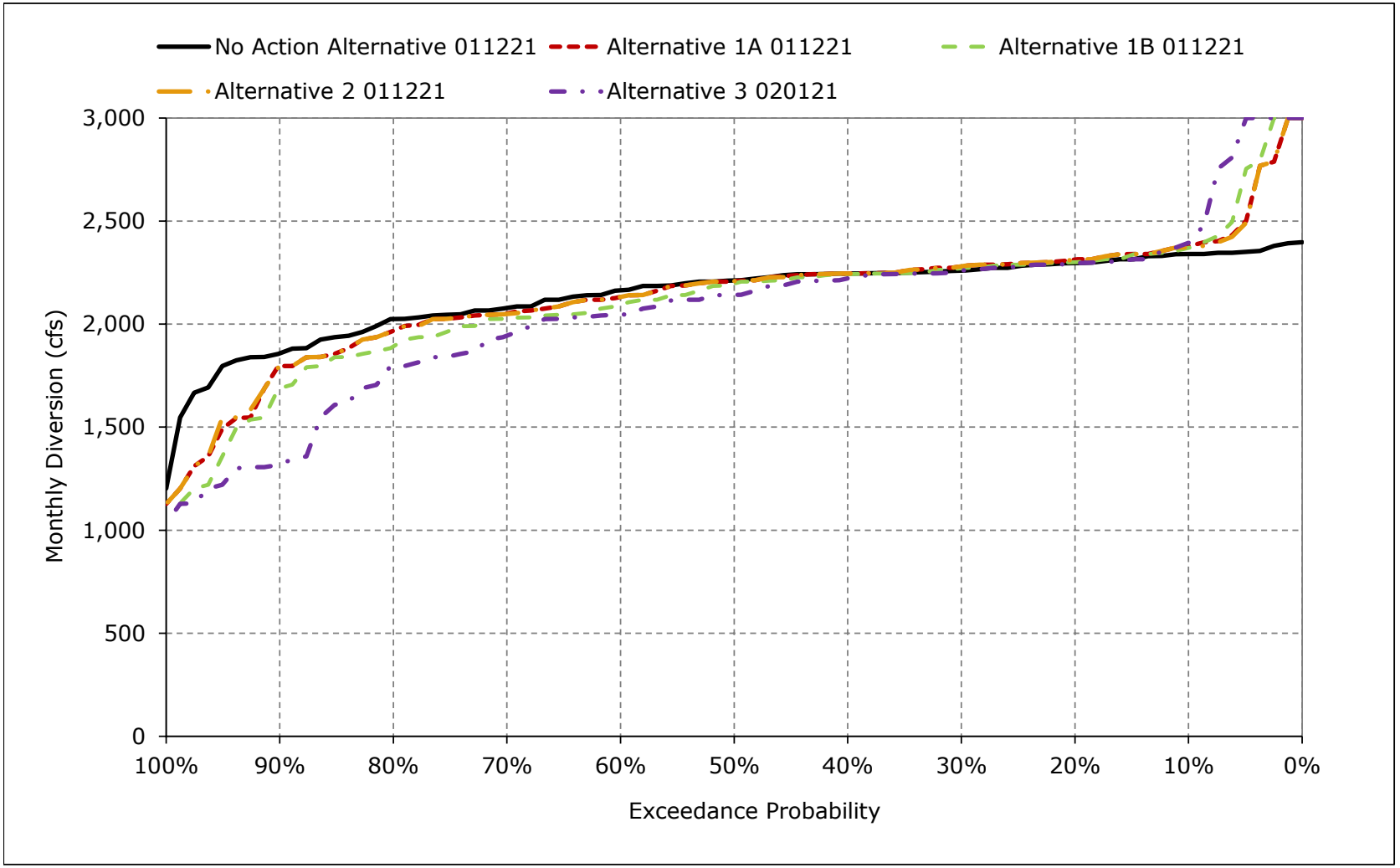


Figure 5B1-2-15. Hamilton City Diversion - Glenn Colusa Canal, June

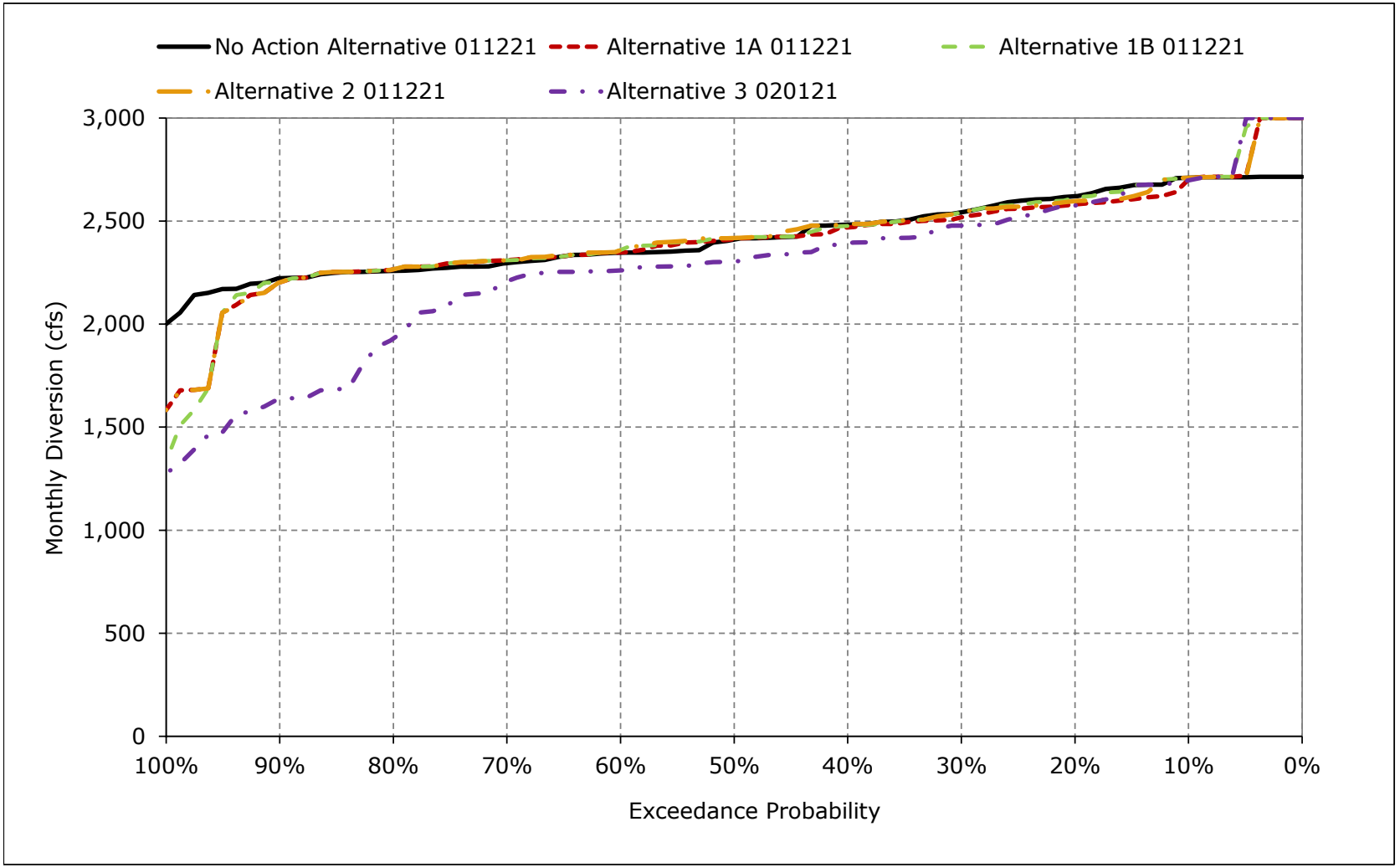


Figure 5B1-2-16. Hamilton City Diversion - Glenn Colusa Canal, July

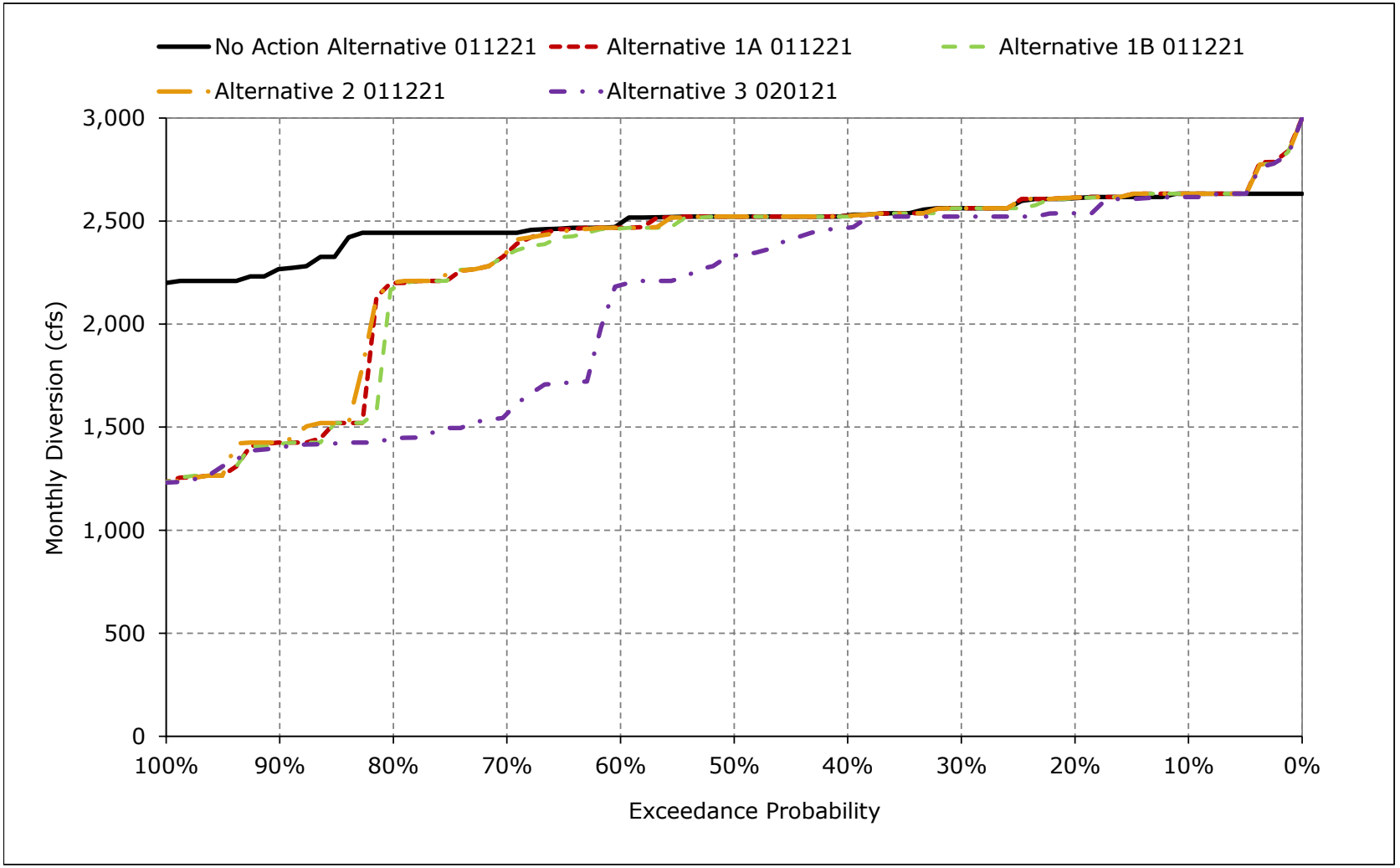


Figure 5B1-2-17. Hamilton City Diversion - Glenn Colusa Canal, August

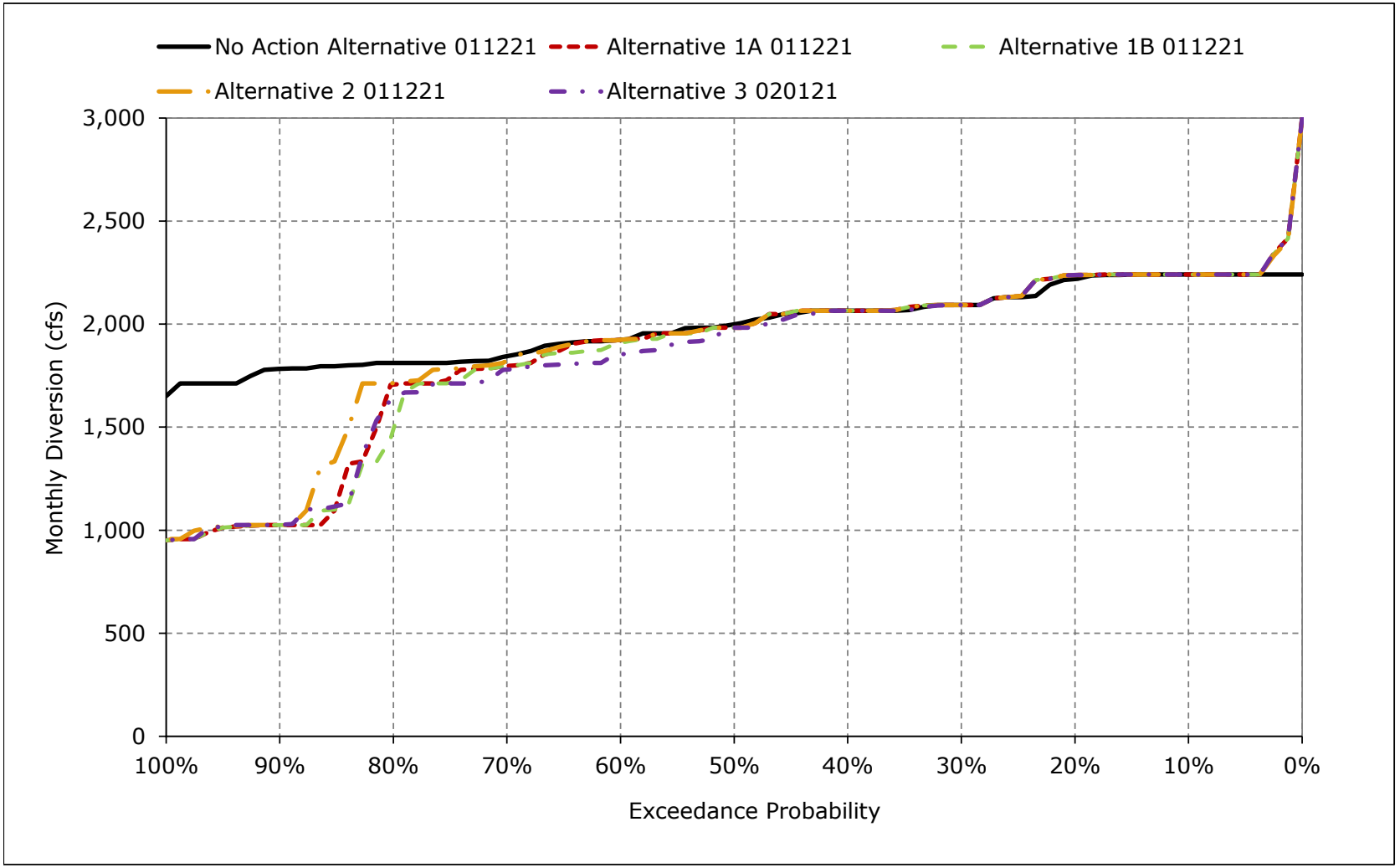


Figure 5B1-2-18. Hamilton City Diversion - Glenn Colusa Canal, September

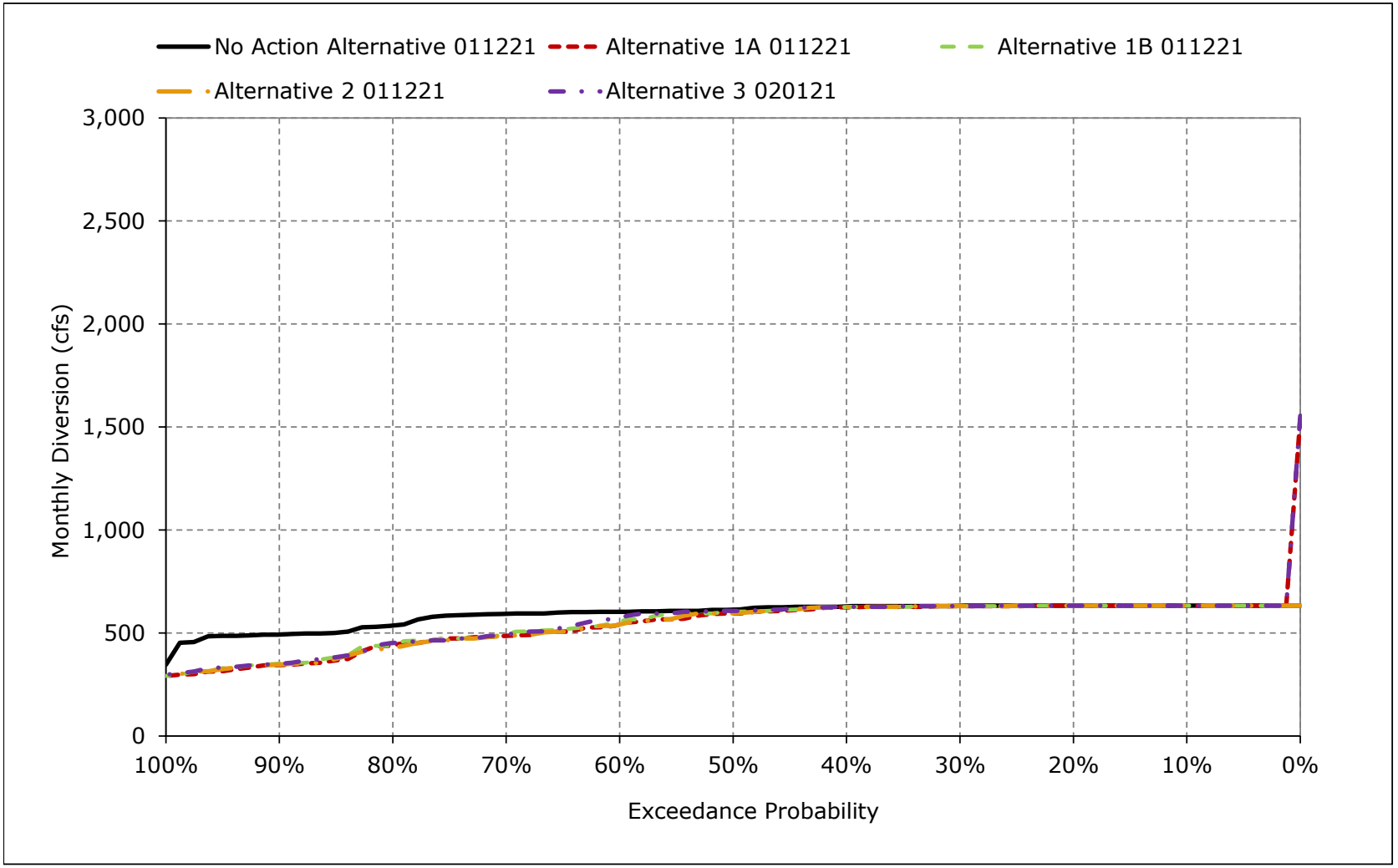


Table 5B1-3-1a. Total Sites Diversions, No Action Alternative 011221, Monthly Diversion (cfs)

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

Table 5B1-3-1b. Total Sites Diversions, Alternative 1A 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	456	1,104	2,705	2,795	3,157	1,177	99	139	0	0	0
20%	0	1	0	1,729	2,258	2,362	0	0	0	0	0	0
30%	0	0	0	1,023	1,298	2,195	0	0	0	0	0	0
40%	0	0	0	598	884	1,687	0	0	0	0	0	0
50%	0	0	0	445	560	63	0	0	0	0	0	0
60%	0	0	0	119	277	10	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	47	142	264	854	985	1,165	352	82	98	22	27	10
Water Year Types[b,c]												
Wet (32%)	148	338	37	1,287	1,426	1,114	859	220	162	69	84	30
Above Normal (15%)	0	208	127	1,606	1,349	2,065	297	83	167	0	0	0
Below Normal (17%)	0	0	446	582	1,084	1,317	214	0	128	0	0	0
Dry (22%)	0	20	413	320	587	1,058	0	0	0	0	0	0
Critical (15%)	5	1	461	280	151	359	0	0	0	0	0	0

Table 5B1-3-1c. Total Sites Diversions, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	456	1,104	2,705	2,795	3,157	1,177	99	139	0	0	0
20%	0	1	0	1,729	2,258	2,362	0	0	0	0	0	0
30%	0	0	0	1,023	1,298	2,195	0	0	0	0	0	0
40%	0	0	0	598	884	1,687	0	0	0	0	0	0
50%	0	0	0	445	560	63	0	0	0	0	0	0
60%	0	0	0	119	277	10	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	47	142	264	854	985	1,165	352	82	98	22	27	10
Water Year Types[b,c]												
Wet (32%)	148	338	37	1,287	1,426	1,114	859	220	162	69	84	30
Above Normal (15%)	0	208	127	1,606	1,349	2,065	297	83	167	0	0	0
Below Normal (17%)	0	0	446	582	1,084	1,317	214	0	128	0	0	0
Dry (22%)	0	20	413	320	587	1,058	0	0	0	0	0	0
Critical (15%)	5	1	461	280	151	359	0	0	0	0	0	0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-3-2a. Total Sites Diversions, No Action Alternative 011221, Monthly Diversion (cfs)

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

Table 5B1-3-2b. Total Sites Diversions, Alternative 1B 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	394	1,102	2,705	2,887	3,421	2,406	93	190	0	0	0
20%	0	7	0	1,796	2,435	2,382	0	0	0	0	0	0
30%	0	0	0	1,129	1,665	2,248	0	0	0	0	0	0
40%	0	0	0	744	1,025	1,739	0	0	0	0	0	0
50%	0	0	0	493	568	189	0	0	0	0	0	0
60%	0	0	0	313	290	17	0	0	0	0	0	0
70%	0	0	0	0	3	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	58	144	272	908	1,079	1,191	390	107	106	22	27	0
Water Year Types[b,c]												
Wet (32%)	147	322	37	1,455	1,615	1,155	977	299	188	68	84	0
Above Normal (15%)	67	255	198	1,606	1,504	2,065	297	82	167	0	0	0
Below Normal (17%)	0	0	446	583	1,138	1,307	214	0	128	0	0	0
Dry (22%)	0	19	399	325	593	1,124	0	0	0	0	0	0
Critical (15%)	12	2	461	281	151	361	0	0	0	0	0	0

Table 5B1-3-2c. Total Sites Diversions, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	394	1,102	2,705	2,887	3,421	2,406	93	190	0	0	0
20%	0	7	0	1,796	2,435	2,382	0	0	0	0	0	0
30%	0	0	0	1,129	1,665	2,248	0	0	0	0	0	0
40%	0	0	0	744	1,025	1,739	0	0	0	0	0	0
50%	0	0	0	493	568	189	0	0	0	0	0	0
60%	0	0	0	313	290	17	0	0	0	0	0	0
70%	0	0	0	0	3	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	58	144	272	908	1,079	1,191	390	107	106	22	27	0
Water Year Types[b,c]												
Wet (32%)	147	322	37	1,455	1,615	1,155	977	299	188	68	84	0
Above Normal (15%)	67	255	198	1,606	1,504	2,065	297	82	167	0	0	0
Below Normal (17%)	0	0	446	583	1,138	1,307	214	0	128	0	0	0
Dry (22%)	0	19	399	325	593	1,124	0	0	0	0	0	0
Critical (15%)	12	2	461	281	151	361	0	0	0	0	0	0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-3-3a. Total Sites Diversions, No Action Alternative 011221, Monthly Diversion (cfs)

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

Table 5B1-3-3b. Total Sites Diversions, Alternative 2 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	524	1,104	2,705	2,805	2,868	64	93	130	0	0	0
20%	0	10	0	1,578	2,217	2,338	0	0	0	0	0	0
30%	0	0	0	1,024	1,183	2,144	0	0	0	0	0	0
40%	0	0	0	593	830	1,486	0	0	0	0	0	0
50%	0	0	0	456	537	53	0	0	0	0	0	0
60%	0	0	0	86	266	9	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	47	152	264	841	955	1,078	317	81	96	22	14	0
Water Year Types[b,c]												
Wet (32%)	145	335	37	1,247	1,332	895	746	218	158	68	45	0
Above Normal (15%)	0	204	127	1,605	1,348	2,040	297	83	167	0	0	0
Below Normal (17%)	0	67	446	582	1,081	1,312	214	0	128	0	0	0
Dry (22%)	0	20	412	321	587	998	0	0	0	0	0	0
Critical (15%)	7	2	461	280	151	360	0	0	0	0	0	0

Table 5B1-3-3c. Total Sites Diversions, Alternative 2 011221 minus No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	524	1,104	2,705	2,805	2,868	64	93	130	0	0	0
20%	0	10	0	1,578	2,217	2,338	0	0	0	0	0	0
30%	0	0	0	1,024	1,183	2,144	0	0	0	0	0	0
40%	0	0	0	593	830	1,486	0	0	0	0	0	0
50%	0	0	0	456	537	53	0	0	0	0	0	0
60%	0	0	0	86	266	9	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	47	152	264	841	955	1,078	317	81	96	22	14	0
Water Year Types[b,c]												
Wet (32%)	145	335	37	1,247	1,332	895	746	218	158	68	45	0
Above Normal (15%)	0	204	127	1,605	1,348	2,040	297	83	167	0	0	0
Below Normal (17%)	0	67	446	582	1,081	1,312	214	0	128	0	0	0
Dry (22%)	0	20	412	321	587	998	0	0	0	0	0	0
Critical (15%)	7	2	461	280	151	360	0	0	0	0	0	0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-3-4a. Total Sites Diversions, No Action Alternative 011221, Monthly Diversion (cfs)

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

Table 5B1-3-4b. Total Sites Diversions, Alternative 3 020121, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	52	539	1,179	2,705	2,926	3,479	2,990	90	175	0	0	0
20%	0	92	342	1,760	2,577	2,416	0	0	0	0	0	0
30%	0	0	0	1,113	2,142	2,302	0	0	0	0	0	0
40%	0	0	0	737	1,023	1,971	0	0	0	0	0	0
50%	0	0	0	530	568	1,384	0	0	0	0	0	0
60%	0	0	0	325	290	29	0	0	0	0	0	0
70%	0	0	0	0	4	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	68	169	309	914	1,135	1,322	467	139	119	21	27	10
Water Year Types[b,c]												
Wet (32%)	150	322	37	1,471	1,651	1,517	1,219	401	229	68	84	31
Above Normal (15%)	107	349	394	1,608	1,654	2,186	297	83	167	0	0	0
Below Normal (17%)	0	67	482	583	1,273	1,329	214	0	128	0	0	0
Dry (22%)	9	20	405	327	593	1,129	0	0	0	0	0	0
Critical (15%)	17	2	468	279	151	317	0	0	0	0	0	0

Table 5B1-3-4c. Total Sites Diversions, Alternative 3 020121 minus No Action Alternative 011221, Monthly Diversion (cfs)

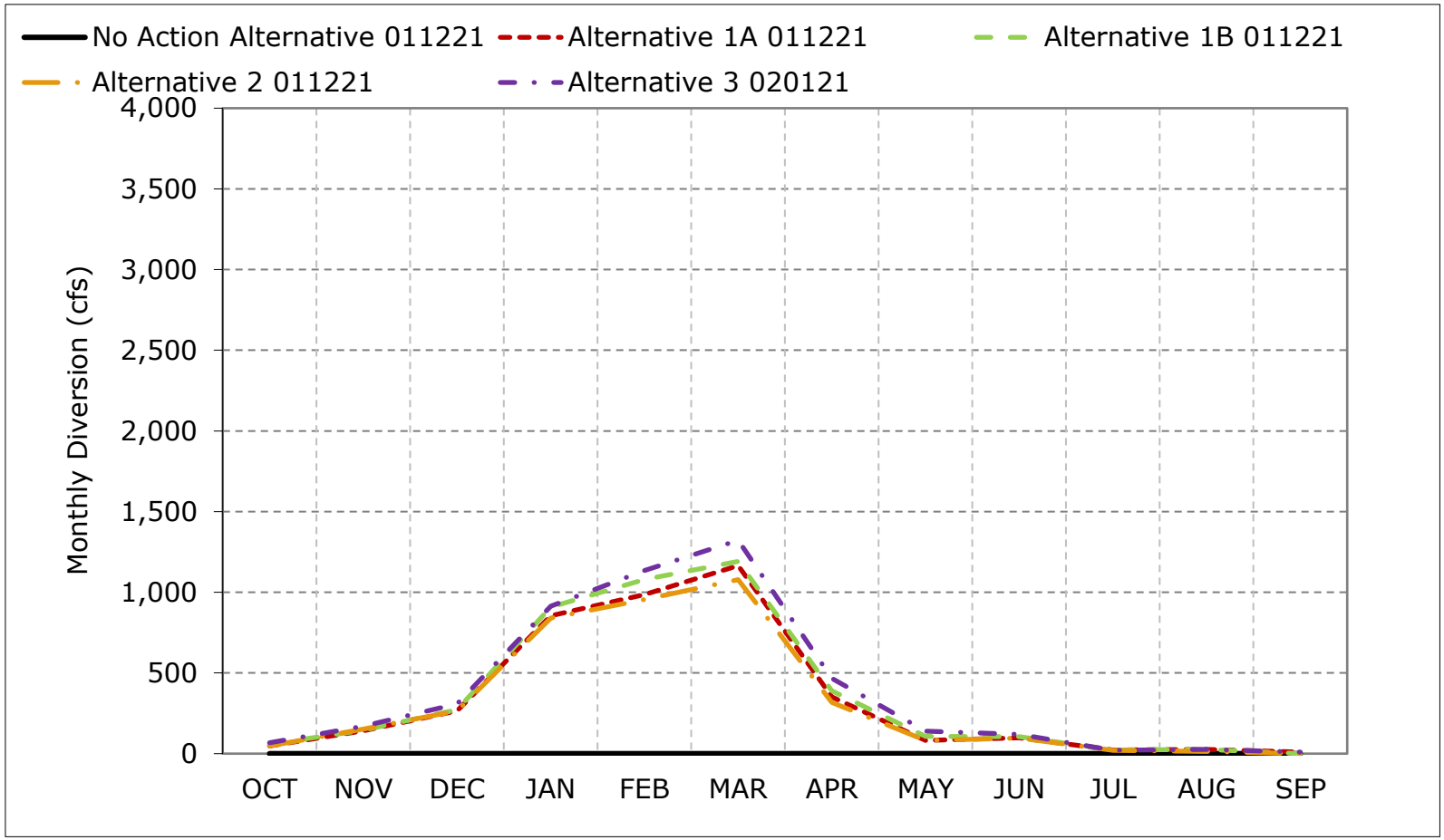
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	52	539	1,179	2,705	2,926	3,479	2,990	90	175	0	0	0
20%	0	92	342	1,760	2,577	2,416	0	0	0	0	0	0
30%	0	0	0	1,113	2,142	2,302	0	0	0	0	0	0
40%	0	0	0	737	1,023	1,971	0	0	0	0	0	0
50%	0	0	0	530	568	1,384	0	0	0	0	0	0
60%	0	0	0	325	290	29	0	0	0	0	0	0
70%	0	0	0	0	4	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	68	169	309	914	1,135	1,322	467	139	119	21	27	10
Water Year Types[b,c]												
Wet (32%)	150	322	37	1,471	1,651	1,517	1,219	401	229	68	84	31
Above Normal (15%)	107	349	394	1,608	1,654	2,186	297	83	167	0	0	0
Below Normal (17%)	0	67	482	583	1,273	1,329	214	0	128	0	0	0
Dry (22%)	9	20	405	327	593	1,129	0	0	0	0	0	0
Critical (15%)	17	2	468	279	151	317	0	0	0	0	0	0

a Based on the 82-year simulation period.

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

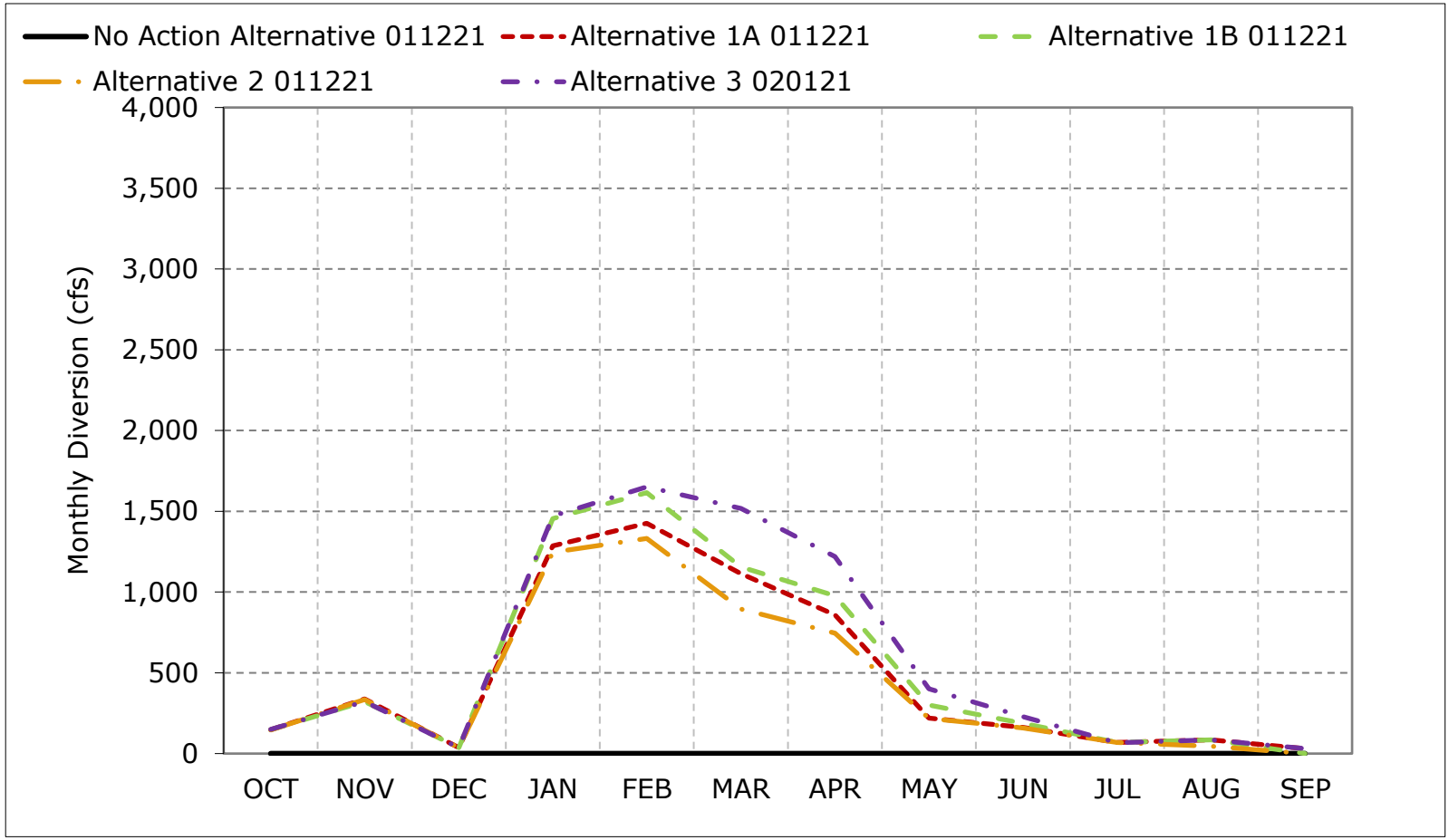
c These results are displayed with calendar year - year type sorting.

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



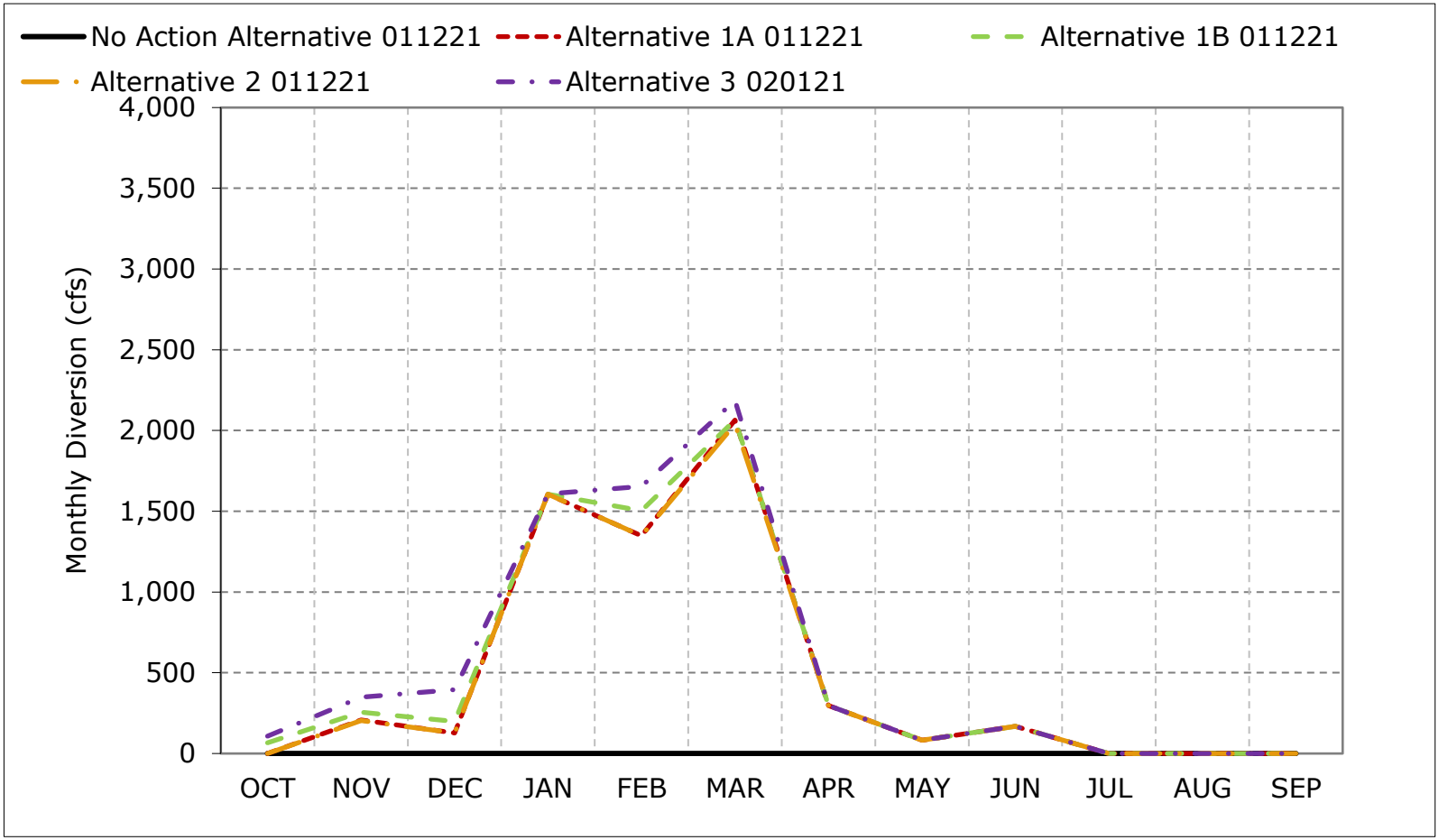
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



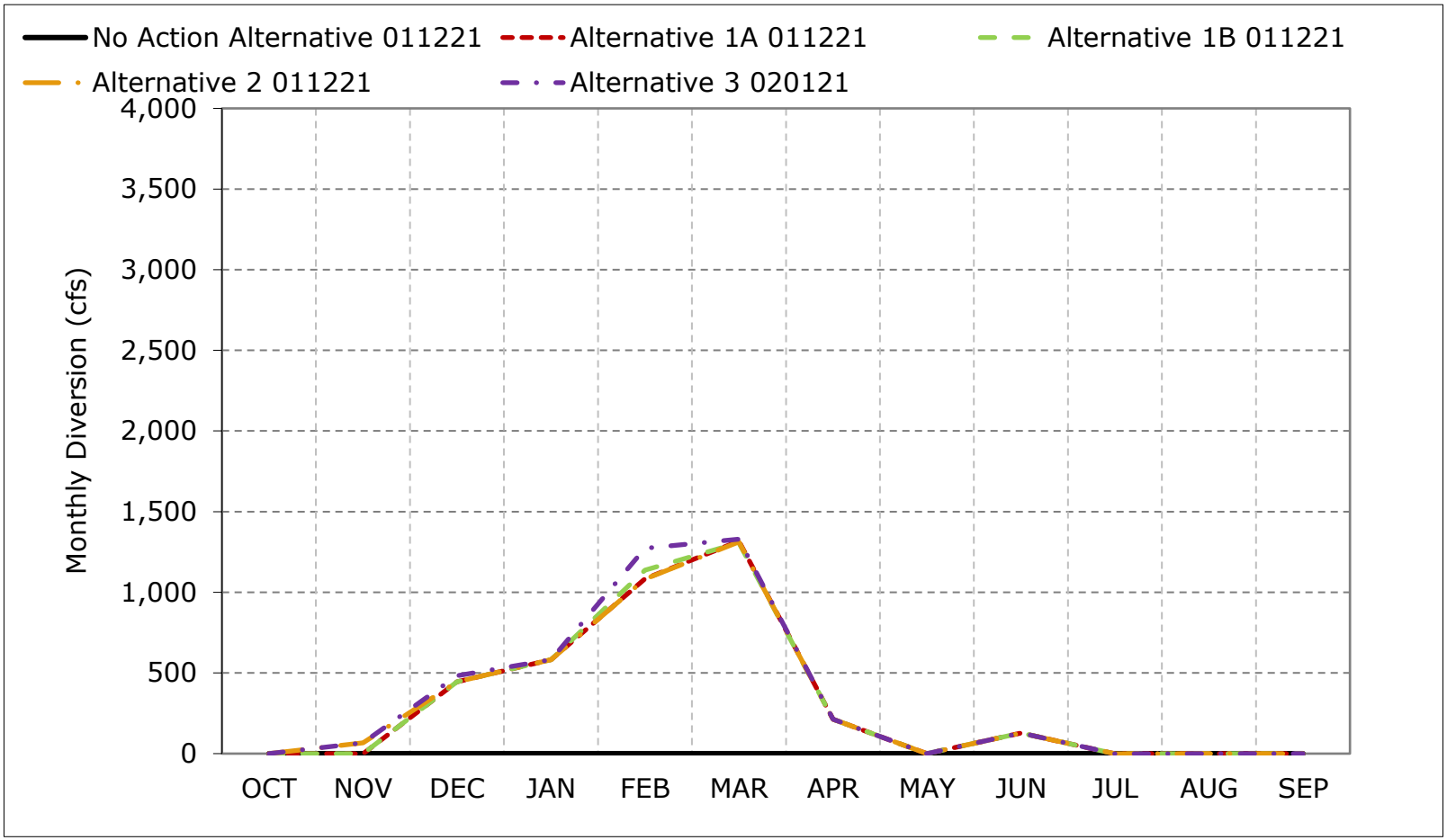
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



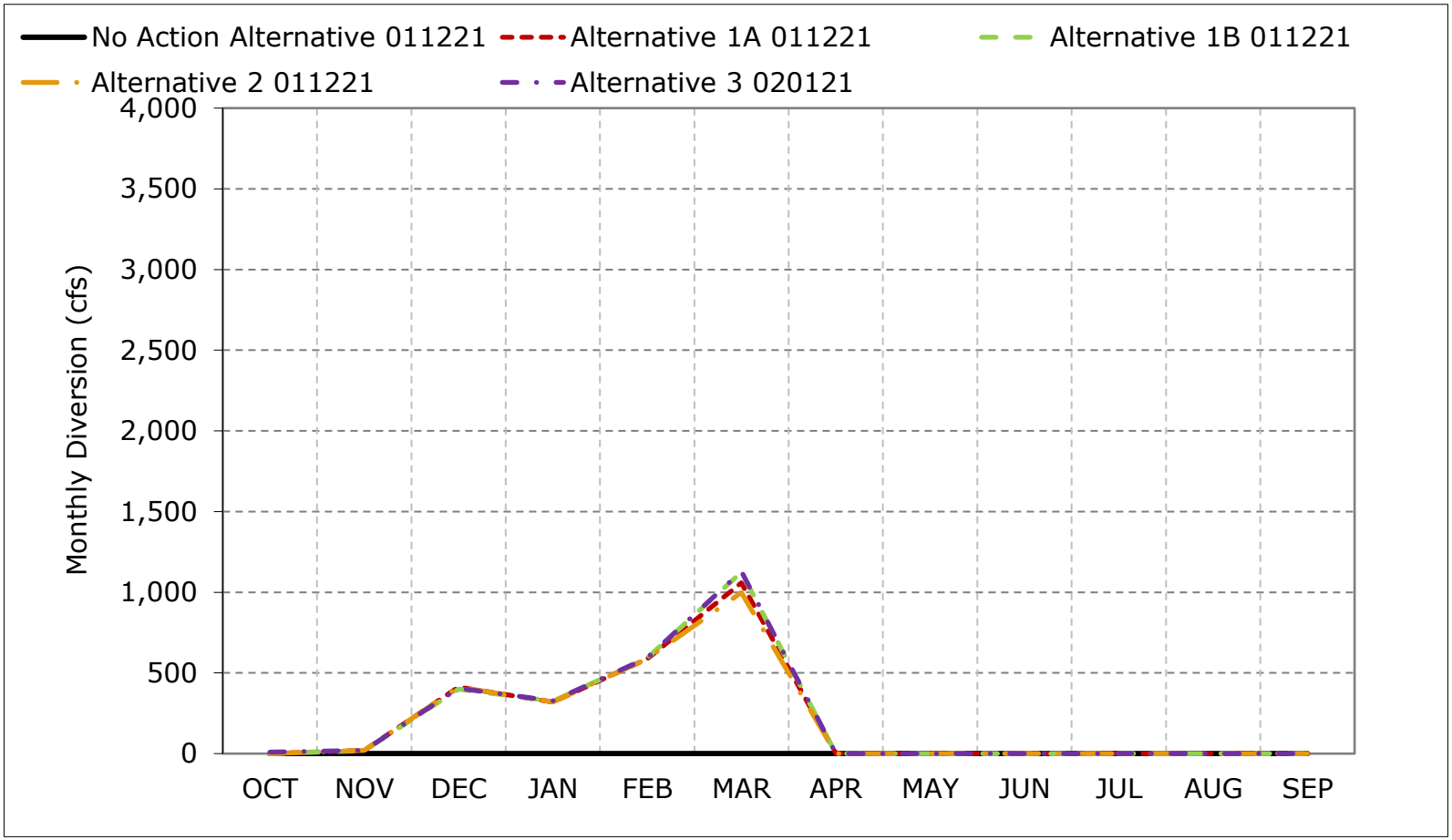
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



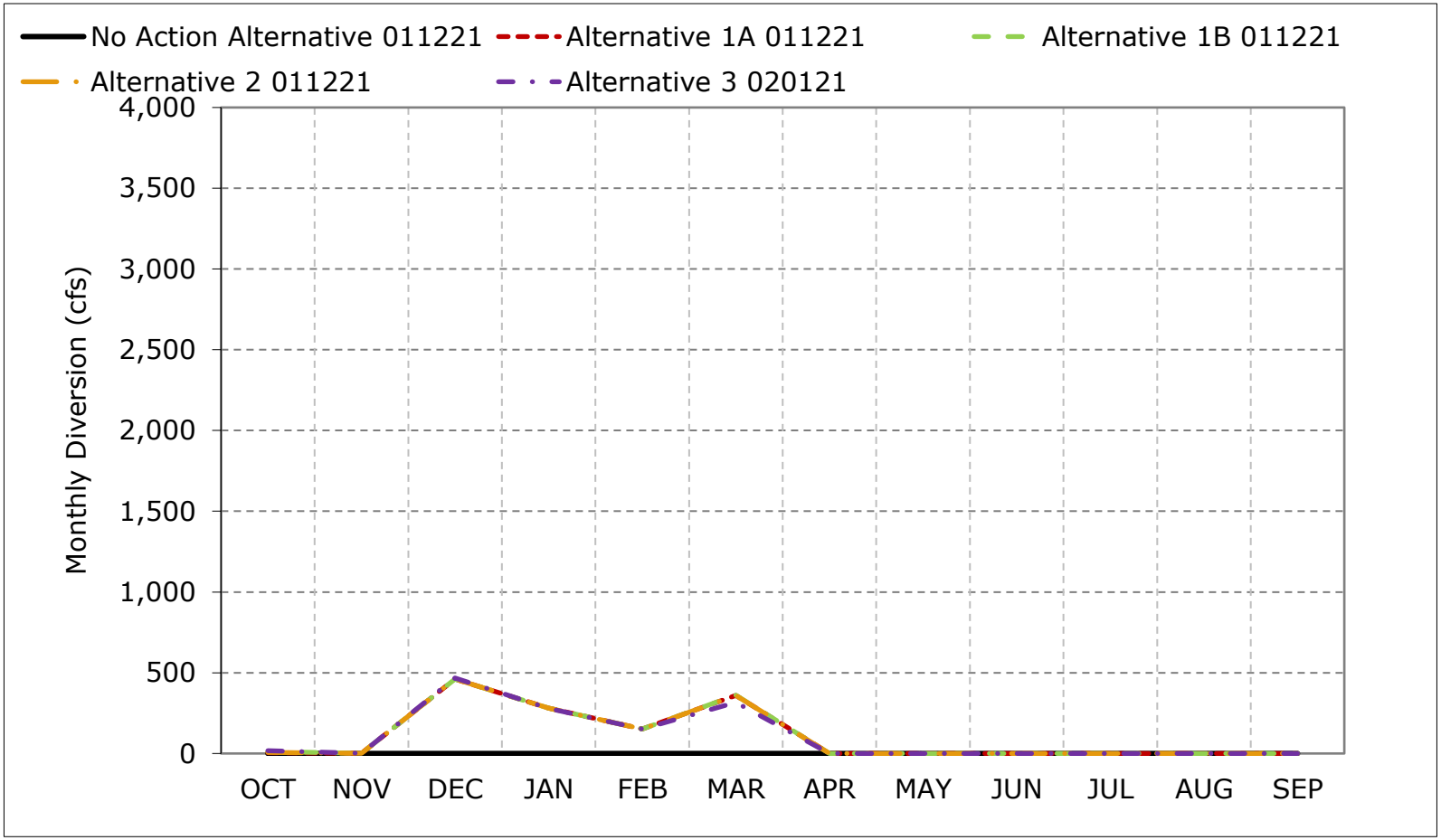
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

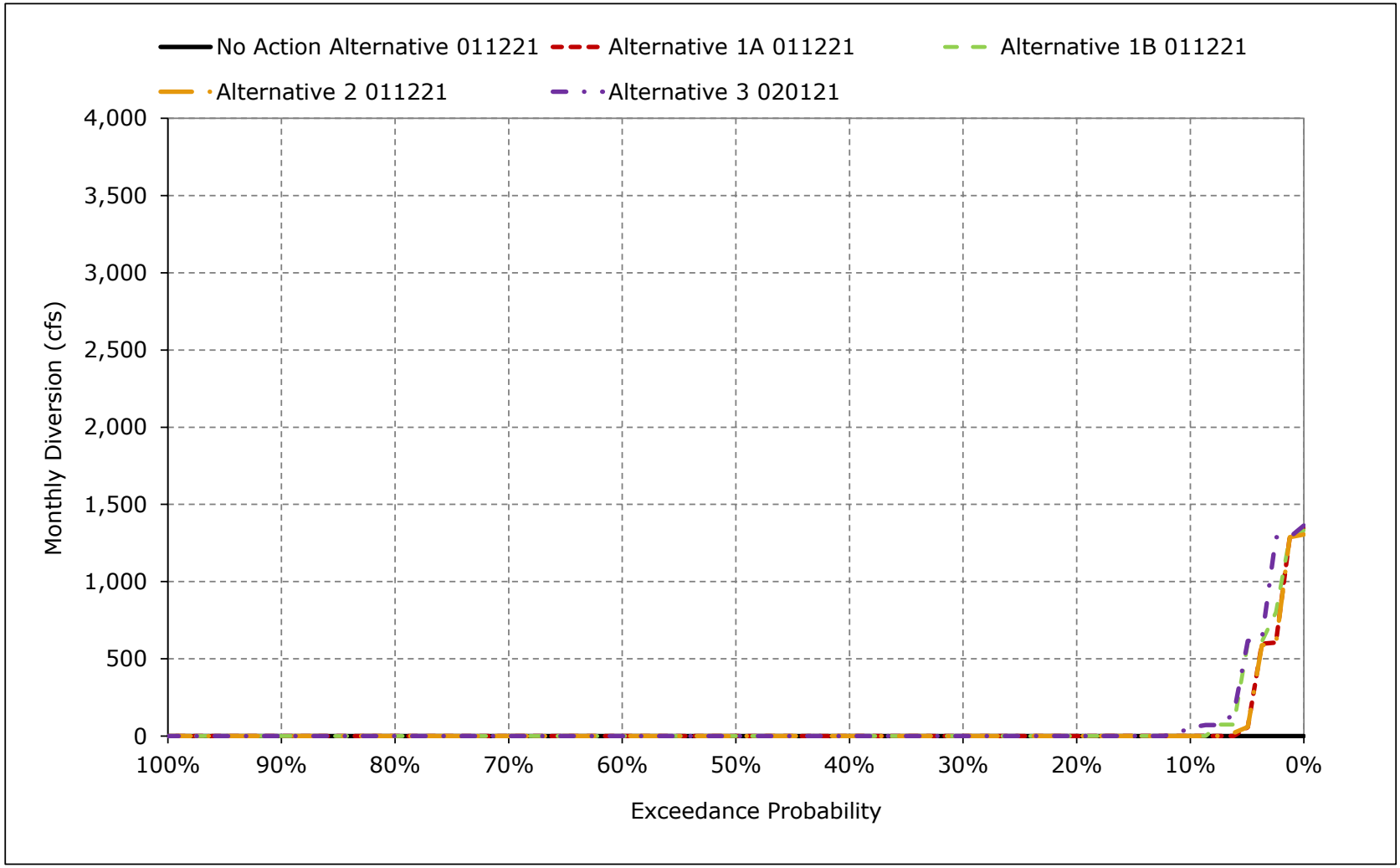


Figure 5B1-3-8. Total Sites Diversions, November

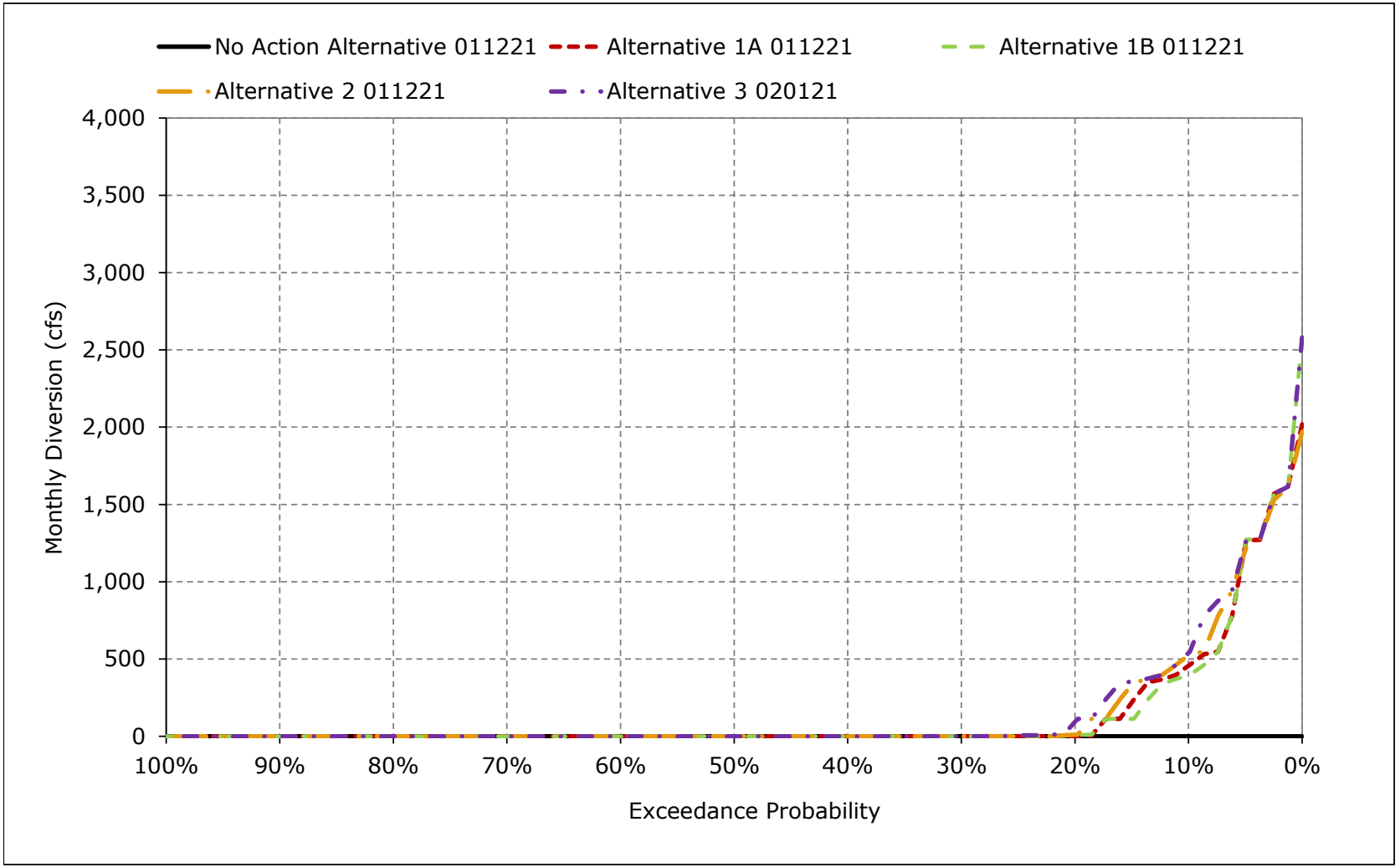


Figure 5B1-3-9. Total Sites Diversions, December

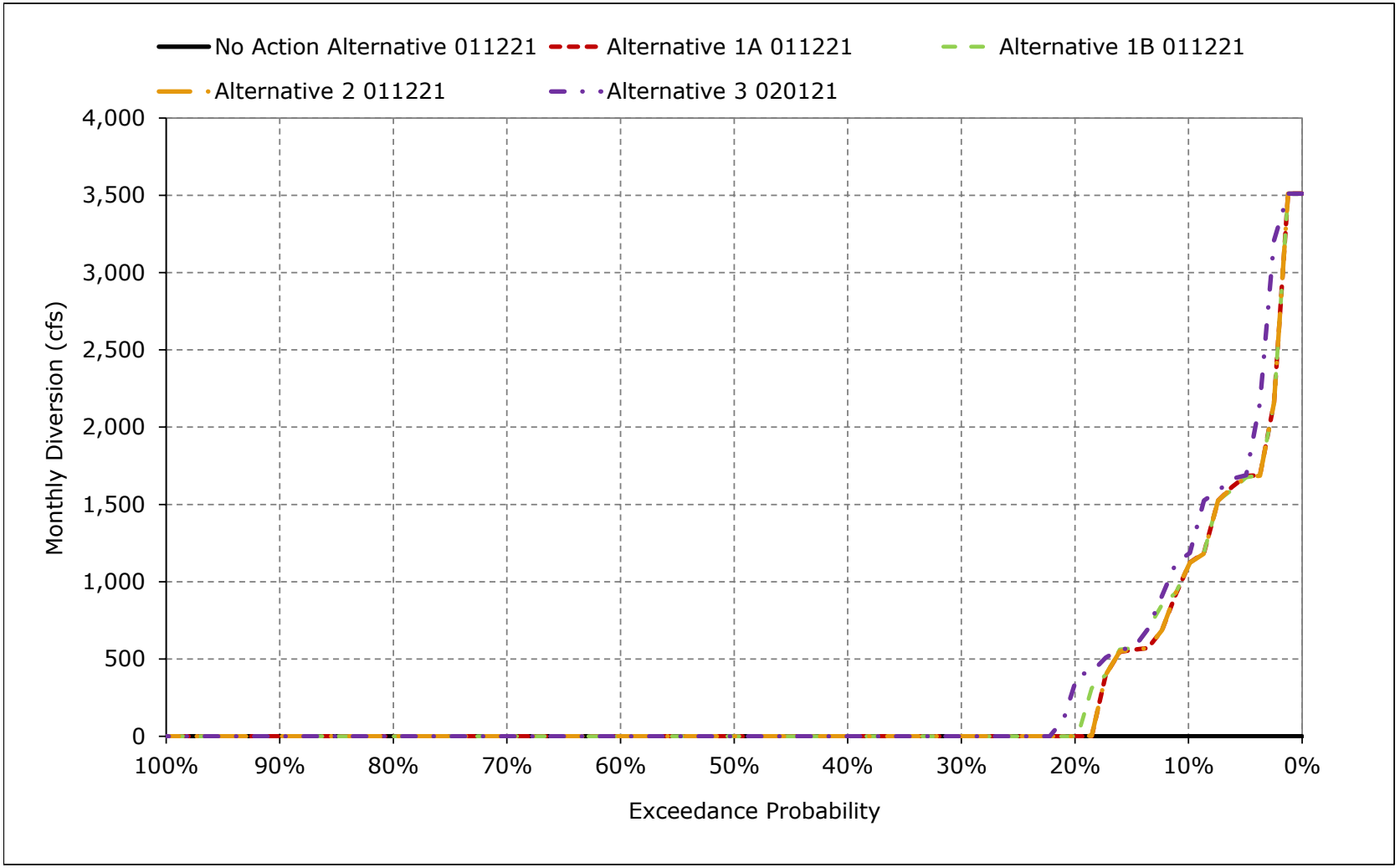


Figure 5B1-3-10. Total Sites Diversions, January

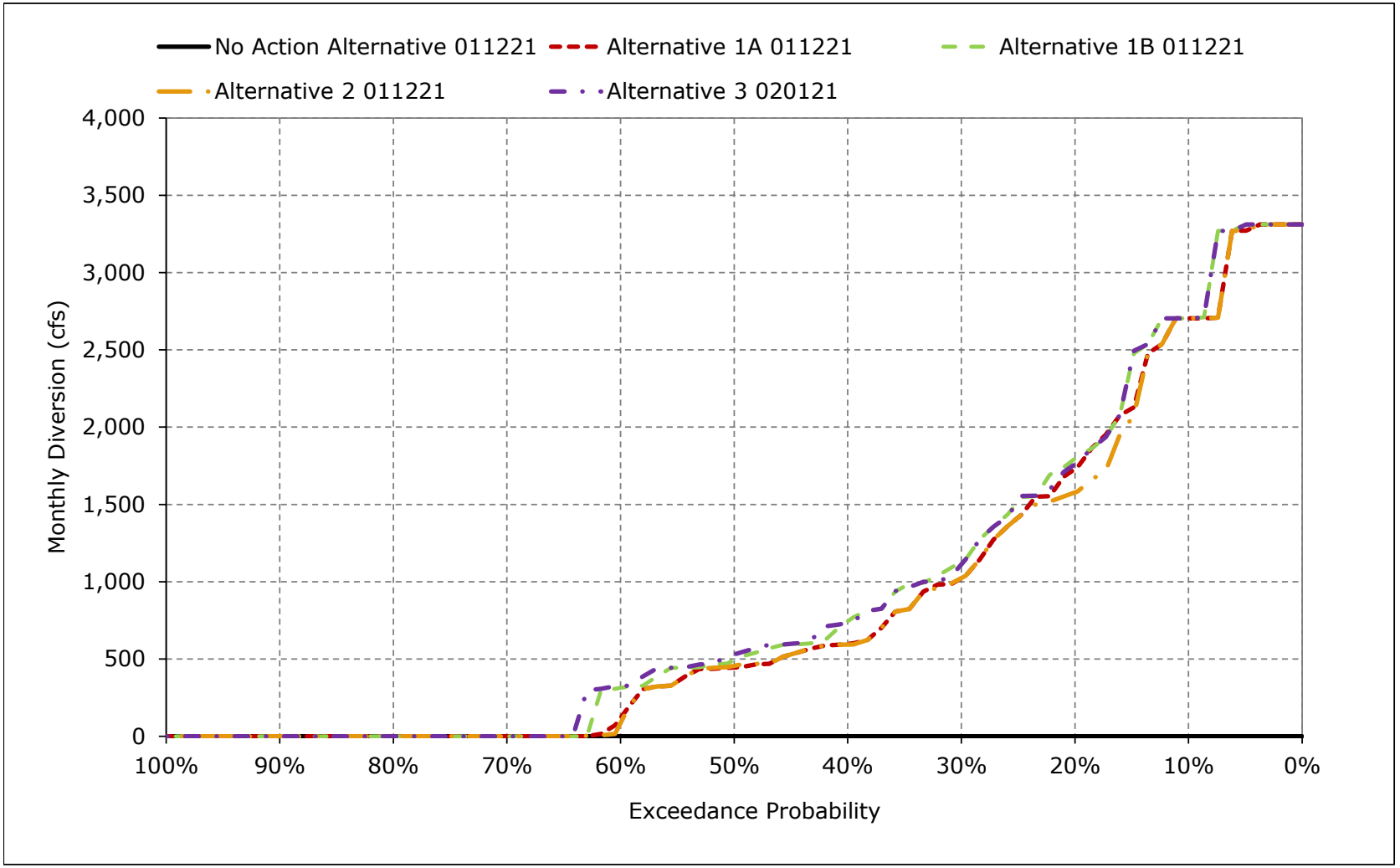


Figure 5B1-3-11. Total Sites Diversions, February

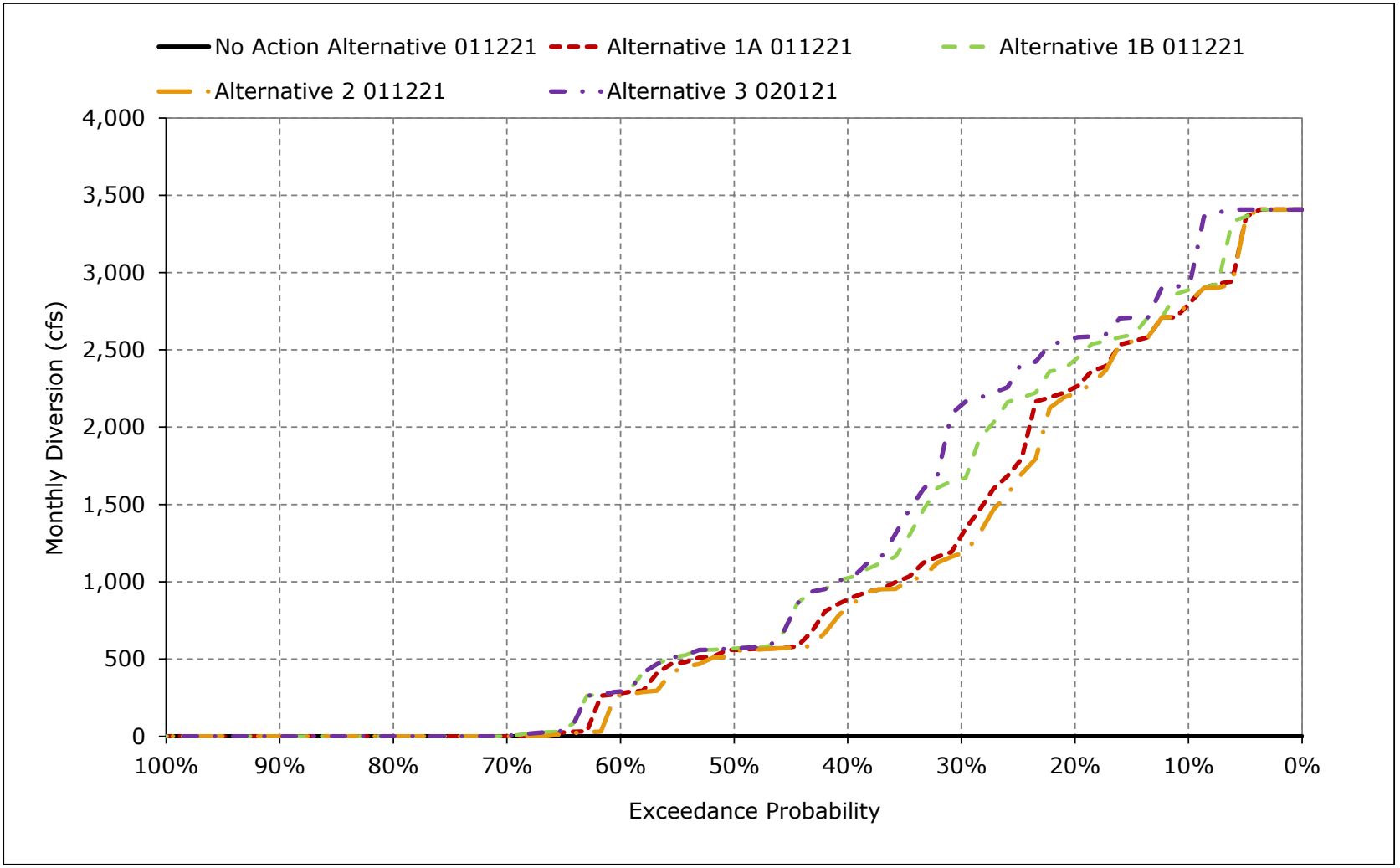


Figure 5B1-3-12. Total Sites Diversions, March

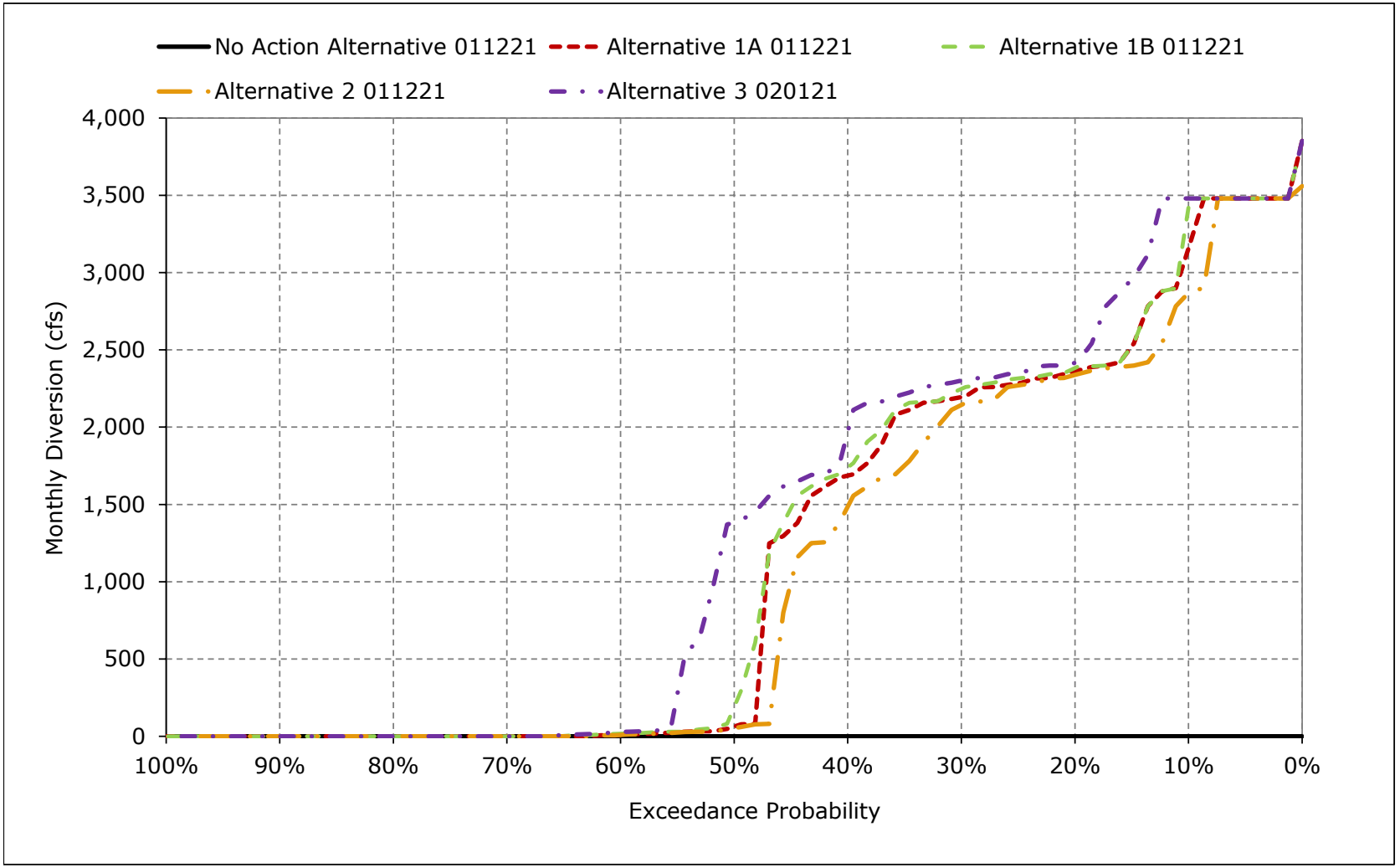


Figure 5B1-3-13. Total Sites Diversions, April

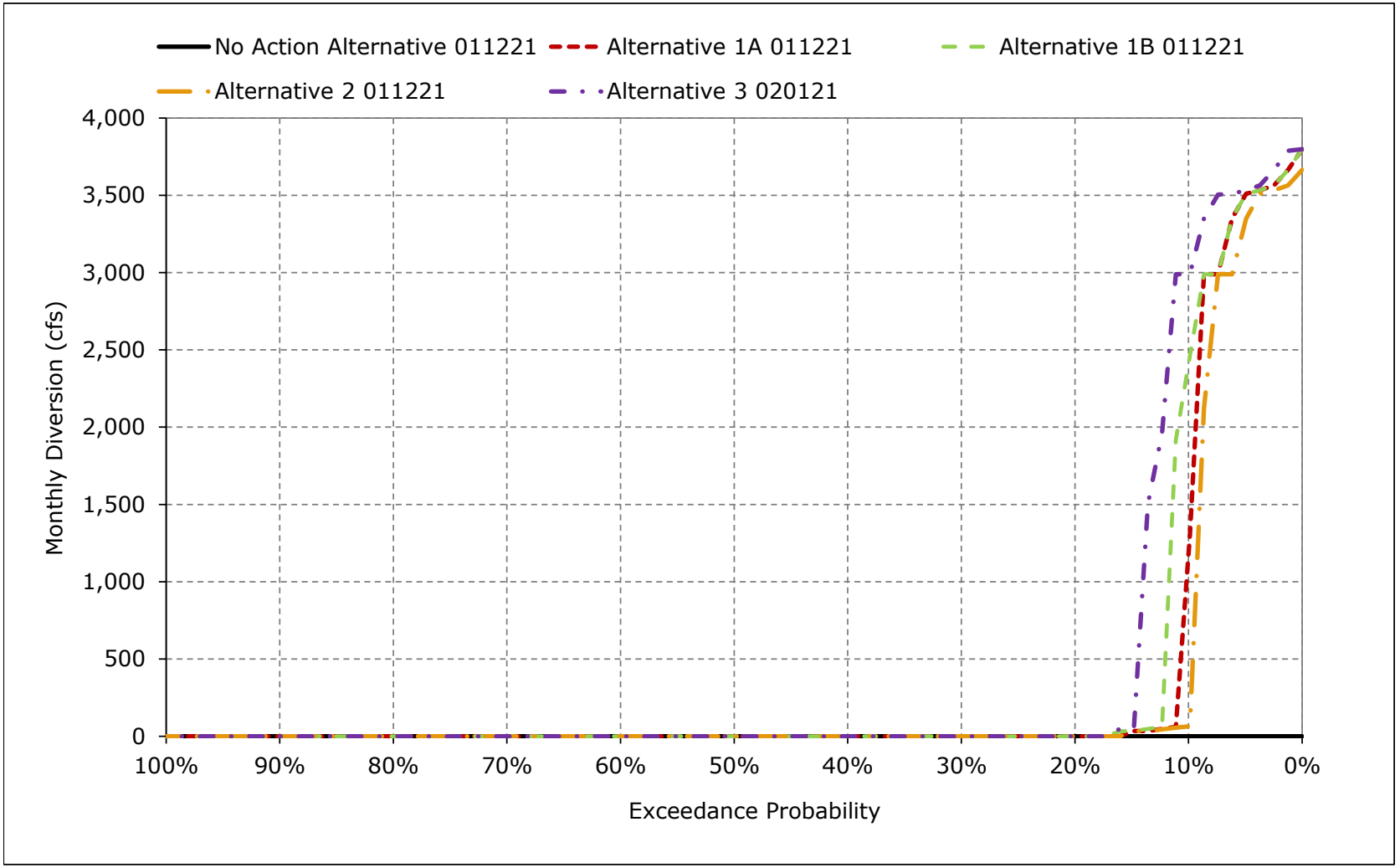


Figure 5B1-3-14. Total Sites Diversions, May

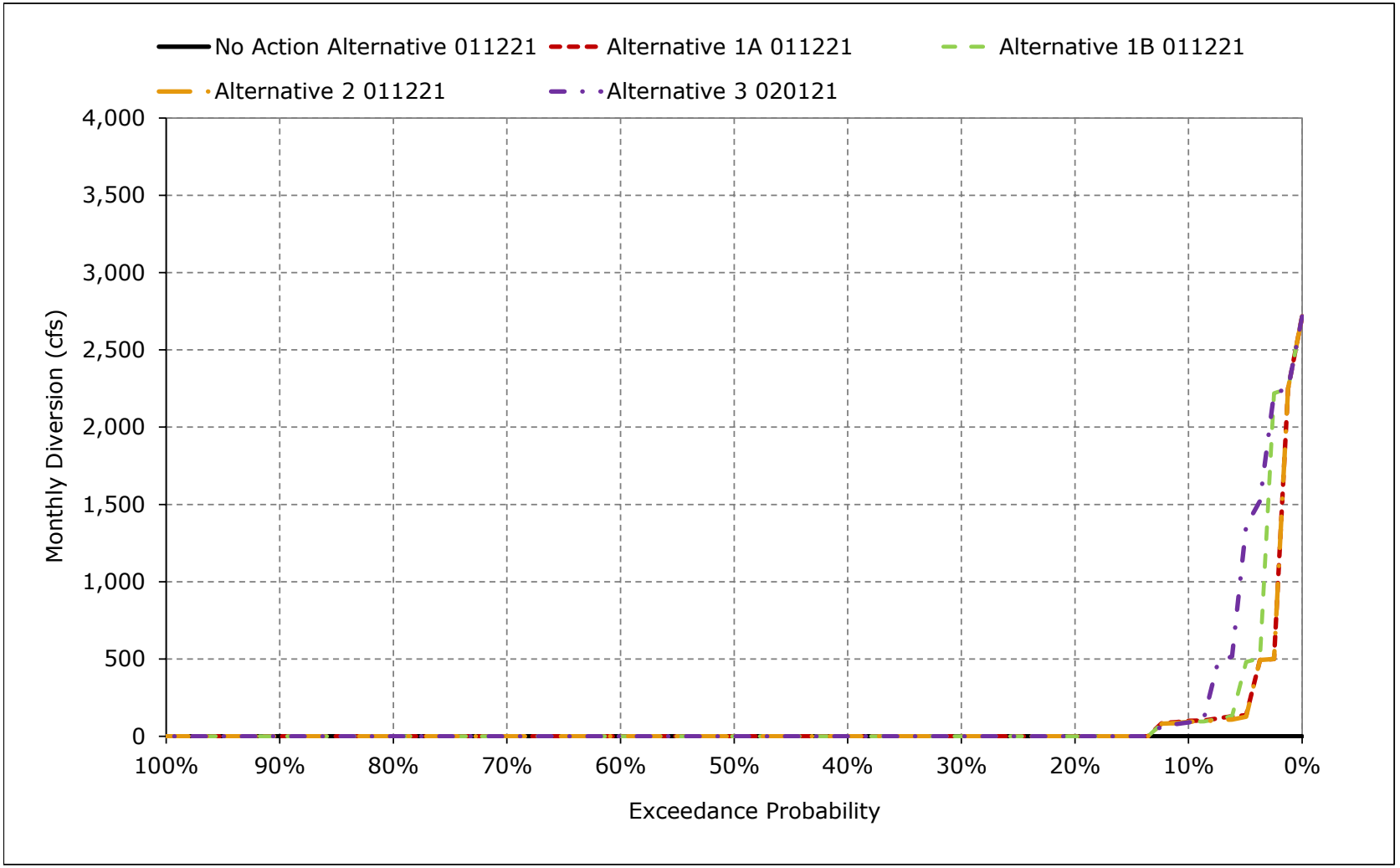


Figure 5B1-3-15. Total Sites Diversions, June

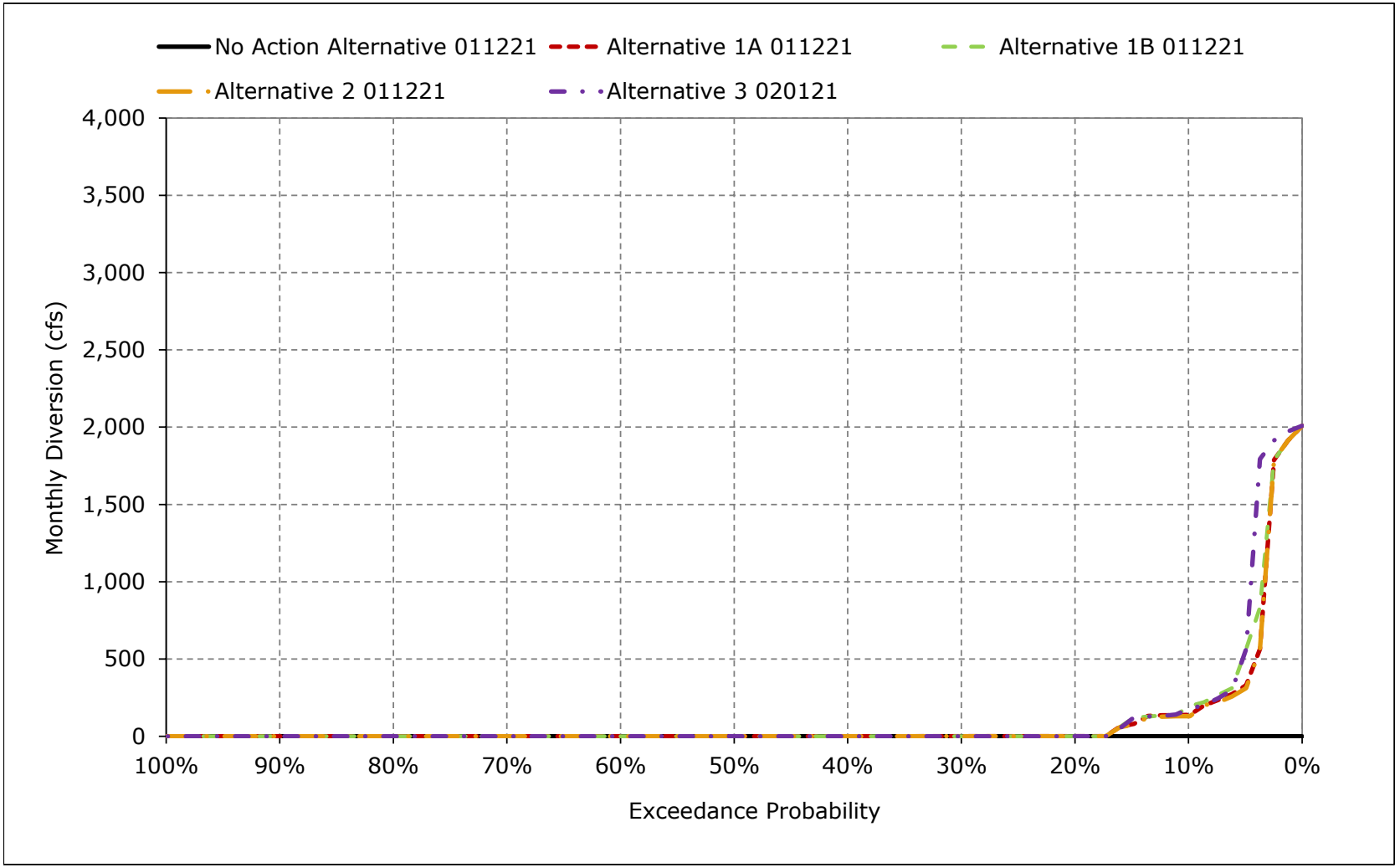


Figure 5B1-3-16. Total Sites Diversions, July

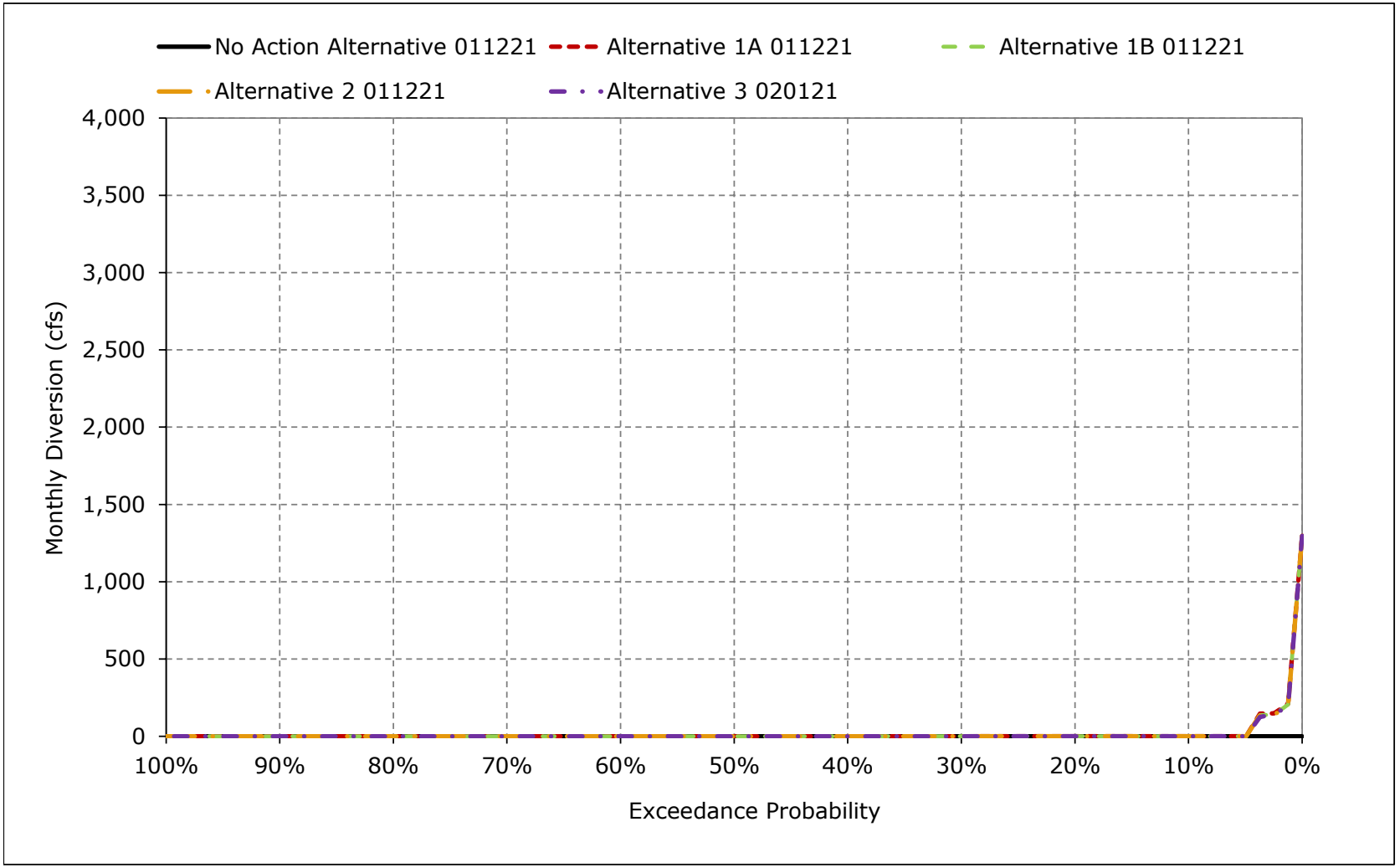


Figure 5B1-3-17. Total Sites Diversions, August

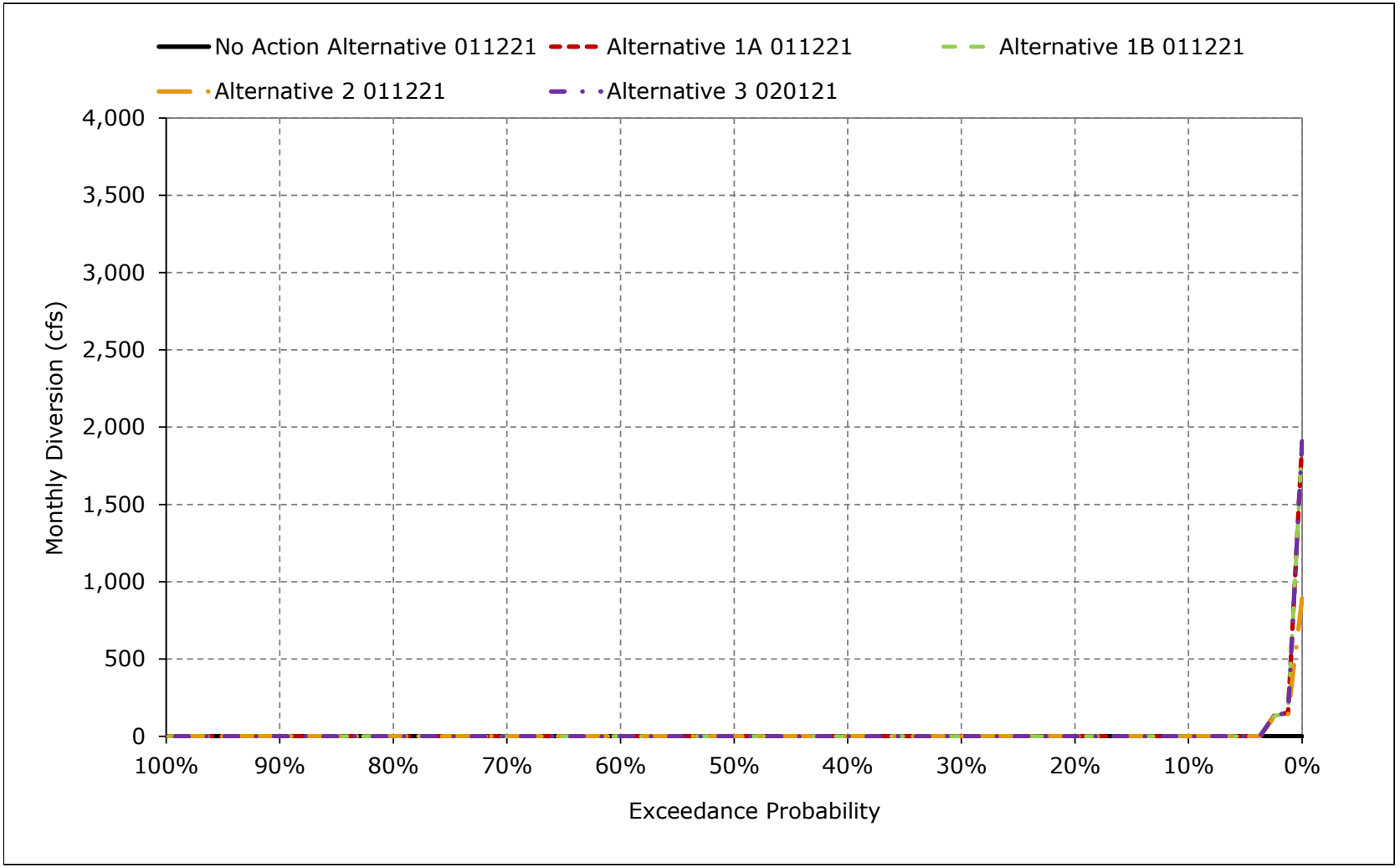


Figure 5B1-3-18. Total Sites Diversions, September

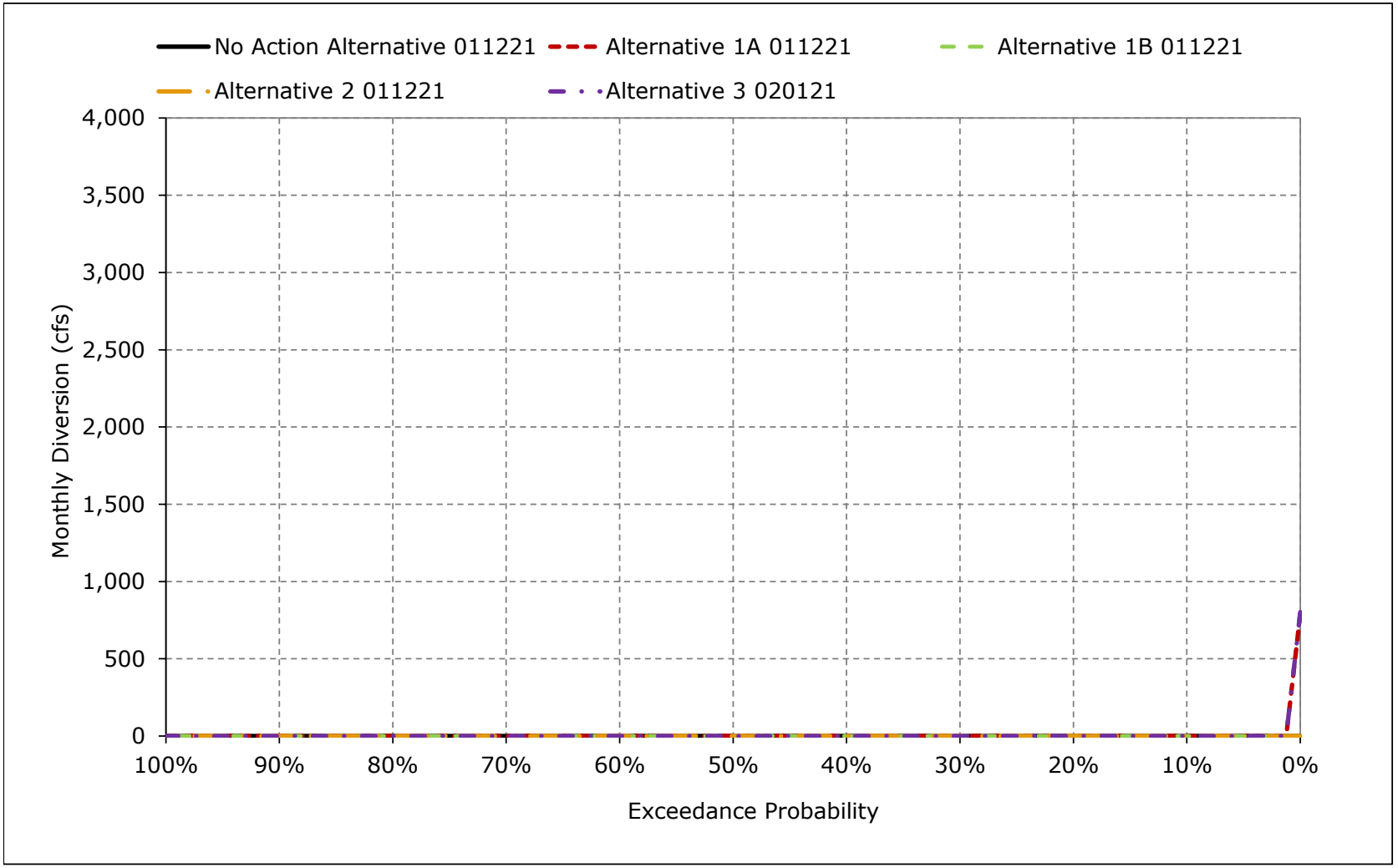


Table 5B1-4-1a. Sites Release to Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-4-1b. Sites Release to Dunnigan Pipeline, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	660	804	22	0	0	0	36	187	1,000	1,000	1,000	1,000
20%	449	59	0	0	0	0	0	0	934	1,000	1,000	997
30%	449	0	0	0	0	0	0	0	289	969	1,000	627
40%	449	0	0	0	0	0	0	0	0	414	471	464
50%	273	0	0	0	0	0	0	0	0	0	449	464
60%	45	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	388
80%	0	0	0	0	0	0	0	0	0	0	274	50
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	294	130	11	0	0	0	28	88	271	391	548	495
Water Year Types[b,c]												
Wet (32%)	286	17	14	0	0	1	0	0	0	0	356	404
Above Normal (15%)	272	0	2	0	0	0	0	0	0	4	359	397
Below Normal (17%)	166	180	5	0	0	0	0	0	113	510	703	360
Dry (22%)	455	364	23	0	0	0	58	111	794	970	837	799
Critical (15%)	241	99	3	0	0	0	108	432	529	615	539	489

Table 5B1-4-1c. Sites Release to Dunnigan Pipeline, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	660	804	22	0	0	0	36	187	1,000	1,000	1,000	1,000
20%	449	59	0	0	0	0	0	0	934	1,000	1,000	997
30%	449	0	0	0	0	0	0	0	289	969	1,000	627
40%	449	0	0	0	0	0	0	0	0	414	471	464
50%	273	0	0	0	0	0	0	0	0	0	449	464
60%	45	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	388
80%	0	0	0	0	0	0	0	0	0	0	274	50
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	294	130	11	0	0	0	28	88	271	391	548	495
Water Year Types[b,c]												
Wet (32%)	286	17	14	0	0	1	0	0	0	0	356	404
Above Normal (15%)	272	0	2	0	0	0	0	0	0	4	359	397
Below Normal (17%)	166	180	5	0	0	0	0	0	113	510	703	360
Dry (22%)	455	364	23	0	0	0	58	111	794	970	837	799
Critical (15%)	241	99	3	0	0	0	108	432	529	615	539	489

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-4-2a. Sites Release to Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-4-2b. Sites Release to Dunnigan Pipeline, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	672	351	139	0	0	0	36	198	1,000	1,000	1,000	1,000
20%	449	295	0	0	0	0	0	17	933	1,000	1,000	790
30%	449	4	0	0	0	0	0	0	485	912	1,000	489
40%	408	0	0	0	0	0	0	0	194	400	449	464
50%	82	0	0	0	0	0	0	0	0	0	449	464
60%	0	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	243
80%	0	0	0	0	0	0	0	0	0	0	226	22
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	265	139	43	5	5	7	60	100	314	385	547	443
Water Year Types[b,c]												
Wet (32%)	284	93	102	0	3	6	0	0	0	0	356	391
Above Normal (15%)	202	0	2	0	0	0	0	0	241	1	354	322
Below Normal (17%)	141	181	12	15	5	0	8	0	201	494	697	277
Dry (22%)	435	294	31	0	15	15	184	178	765	956	840	725
Critical (15%)	181	96	10	15	0	13	123	417	520	621	537	451

Table 5B1-4-2c. Sites Release to Dunnigan Pipeline, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	672	351	139	0	0	0	36	198	1,000	1,000	1,000	1,000
20%	449	295	0	0	0	0	0	17	933	1,000	1,000	790
30%	449	4	0	0	0	0	0	0	485	912	1,000	489
40%	408	0	0	0	0	0	0	0	194	400	449	464
50%	82	0	0	0	0	0	0	0	0	0	449	464
60%	0	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	243
80%	0	0	0	0	0	0	0	0	0	0	226	22
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	265	139	43	5	5	7	60	100	314	385	547	443
Water Year Types[b,c]												
Wet (32%)	284	93	102	0	3	6	0	0	0	0	356	391
Above Normal (15%)	202	0	2	0	0	0	0	0	241	1	354	322
Below Normal (17%)	141	181	12	15	5	0	8	0	201	494	697	277
Dry (22%)	435	294	31	0	15	15	184	178	765	956	840	725
Critical (15%)	181	96	10	15	0	13	123	417	520	621	537	451

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-4-3a. Sites Release to Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-4-3b. Sites Release to Dunnigan Pipeline, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	583	311	32	0	0	0	36	188	1,000	1,000	1,000	1,000
20%	449	17	0	0	0	0	0	0	719	1,000	1,000	793
30%	449	0	0	0	0	0	0	0	281	935	1,000	464
40%	449	0	0	0	0	0	0	0	0	415	457	464
50%	200	0	0	0	0	0	0	0	0	0	449	464
60%	50	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	404
80%	0	0	0	0	0	0	0	0	0	0	302	123
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	270	102	13	0	0	0	29	87	257	388	554	473
Water Year Types[b,c]												
Wet (32%)	272	15	17	0	0	1	0	0	0	0	356	437
Above Normal (15%)	274	2	2	0	0	0	0	0	0	4	381	398
Below Normal (17%)	185	218	5	0	0	0	0	0	113	509	728	425
Dry (22%)	397	206	26	0	0	0	58	111	750	966	858	692
Critical (15%)	169	100	3	0	0	0	109	425	497	605	495	356

Table 5B1-4-3c. Sites Release to Dunnigan Pipeline, Alternative 2 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	583	311	32	0	0	0	36	188	1,000	1,000	1,000	1,000
20%	449	17	0	0	0	0	0	0	719	1,000	1,000	793
30%	449	0	0	0	0	0	0	0	281	935	1,000	464
40%	449	0	0	0	0	0	0	0	0	415	457	464
50%	200	0	0	0	0	0	0	0	0	0	449	464
60%	50	0	0	0	0	0	0	0	0	0	449	464
70%	0	0	0	0	0	0	0	0	0	0	449	404
80%	0	0	0	0	0	0	0	0	0	0	302	123
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	270	102	13	0	0	0	29	87	257	388	554	473
Water Year Types[b,c]												
Wet (32%)	272	15	17	0	0	1	0	0	0	0	356	437
Above Normal (15%)	274	2	2	0	0	0	0	0	0	4	381	398
Below Normal (17%)	185	218	5	0	0	0	0	0	113	509	728	425
Dry (22%)	397	206	26	0	0	0	58	111	750	966	858	692
Critical (15%)	169	100	3	0	0	0	109	425	497	605	495	356

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-4-4a. Sites Release to Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-4-4b. Sites Release to Dunnigan Pipeline, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	662	300	70	0	0	0	133	486	1,000	1,000	1,000	1,000
20%	449	59	0	0	0	0	0	1	834	1,000	1,000	634
30%	449	0	0	0	0	0	0	0	480	975	901	464
40%	281	0	0	0	0	0	0	0	214	487	462	464
50%	2	0	0	0	0	0	0	0	38	16	449	459
60%	0	0	0	0	0	0	0	0	0	0	449	321
70%	0	0	0	0	0	0	0	0	0	0	449	127
80%	0	0	0	0	0	0	0	0	0	0	4	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	233	91	39	3	8	21	57	109	307	397	519	385
Water Year Types[b,c]												
Wet (32%)	239	81	102	0	4	5	0	0	0	0	356	382
Above Normal (15%)	272	0	2	0	0	0	0	0	313	8	508	416
Below Normal (17%)	159	102	11	0	19	0	8	0	287	606	642	274
Dry (22%)	333	163	12	0	0	38	156	231	656	936	732	568
Critical (15%)	118	83	10	19	21	78	148	396	464	593	417	218

Table 5B1-4-4c. Sites Release to Dunnigan Pipeline, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

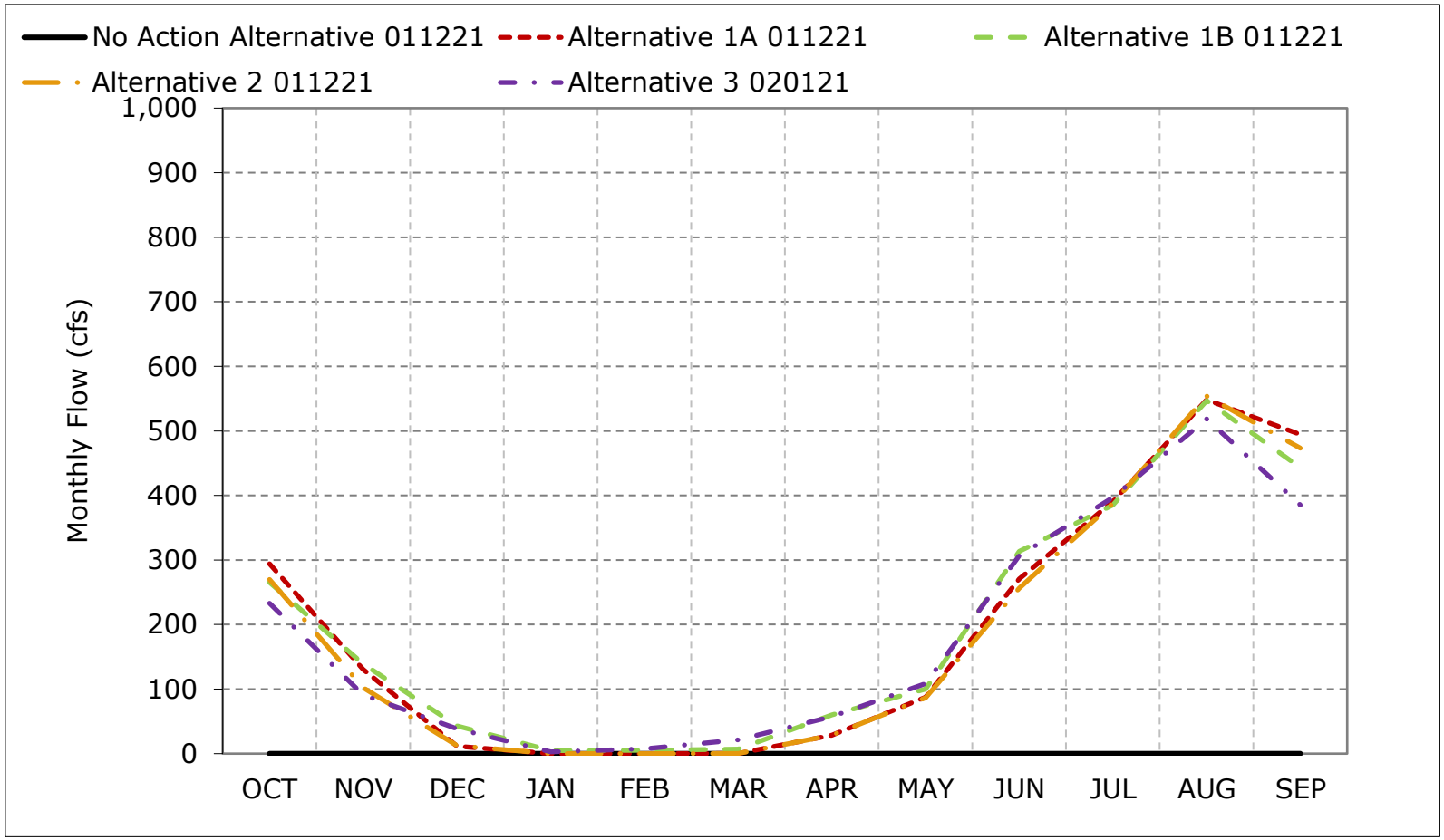
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	662	300	70	0	0	0	133	486	1,000	1,000	1,000	1,000
20%	449	59	0	0	0	0	0	1	834	1,000	1,000	634
30%	449	0	0	0	0	0	0	0	480	975	901	464
40%	281	0	0	0	0	0	0	0	214	487	462	464
50%	2	0	0	0	0	0	0	0	38	16	449	459
60%	0	0	0	0	0	0	0	0	0	0	449	321
70%	0	0	0	0	0	0	0	0	0	0	449	127
80%	0	0	0	0	0	0	0	0	0	0	4	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	233	91	39	3	8	21	57	109	307	397	519	385
Water Year Types[b,c]												
Wet (32%)	239	81	102	0	4	5	0	0	0	0	356	382
Above Normal (15%)	272	0	2	0	0	0	0	0	313	8	508	416
Below Normal (17%)	159	102	11	0	19	0	8	0	287	606	642	274
Dry (22%)	333	163	12	0	0	38	156	231	656	936	732	568
Critical (15%)	118	83	10	19	21	78	148	396	464	593	417	218

a Based on the 82-year simulation period.

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

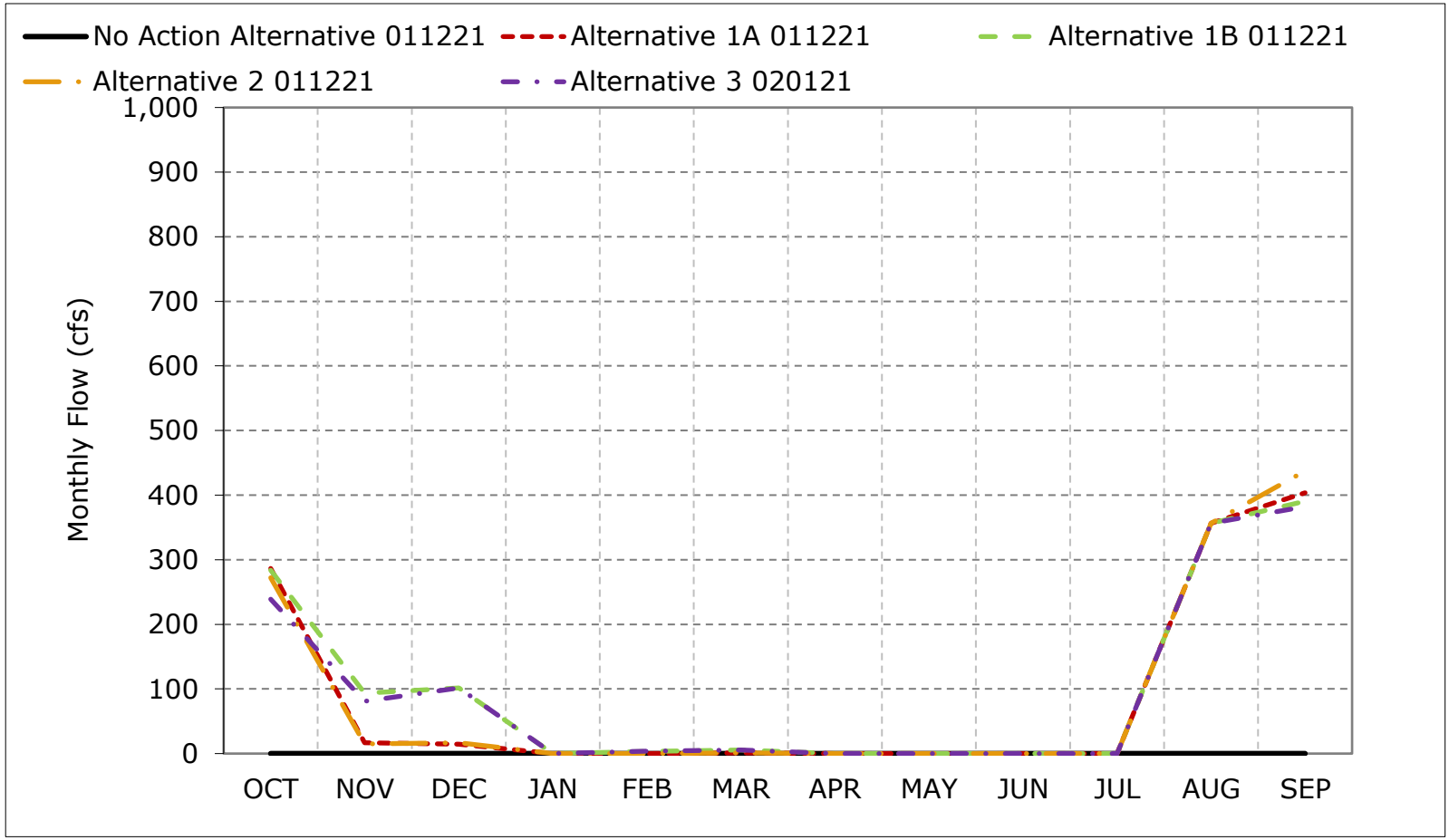
c These results are displayed with calendar year - year type sorting.

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



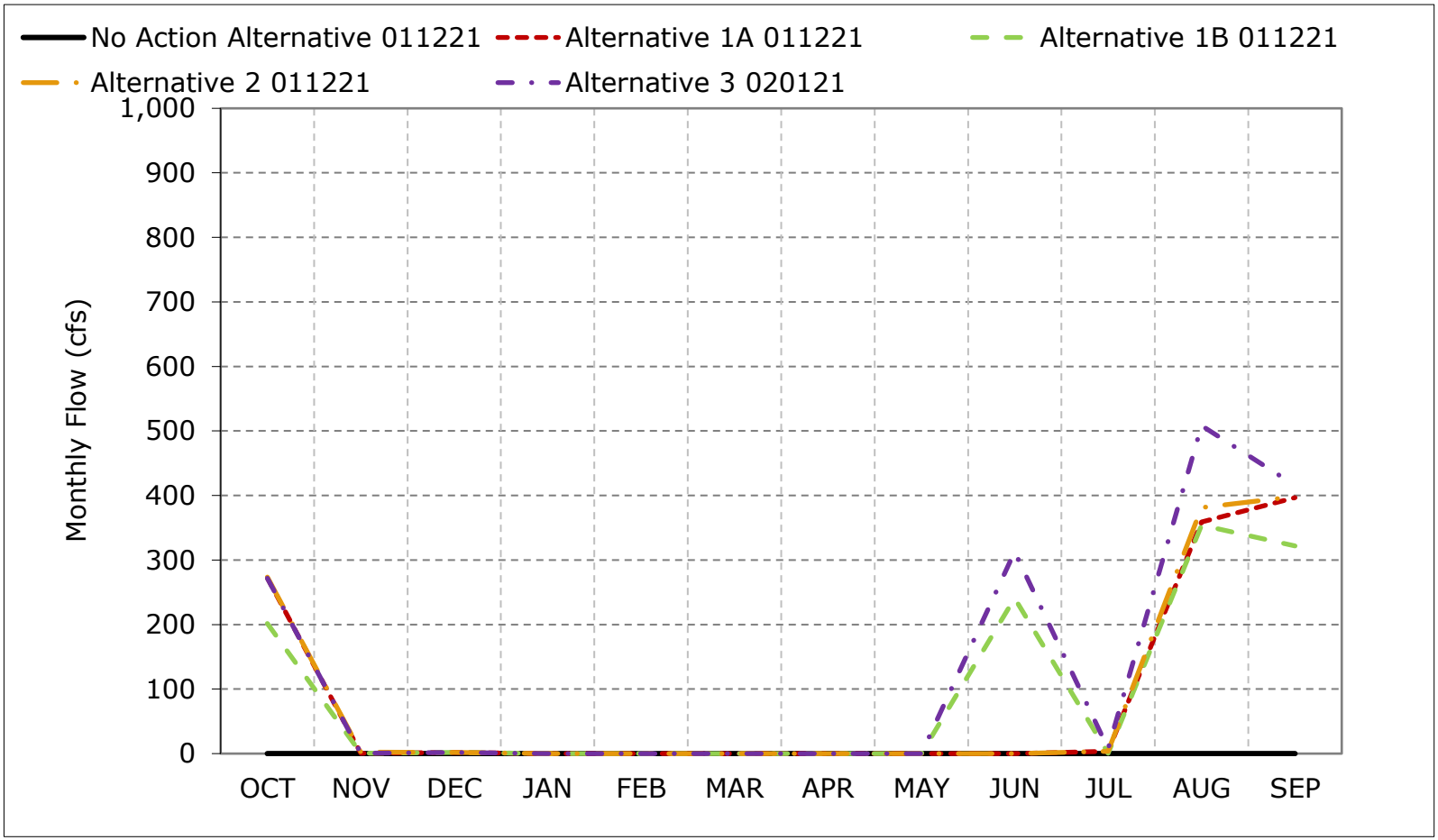
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



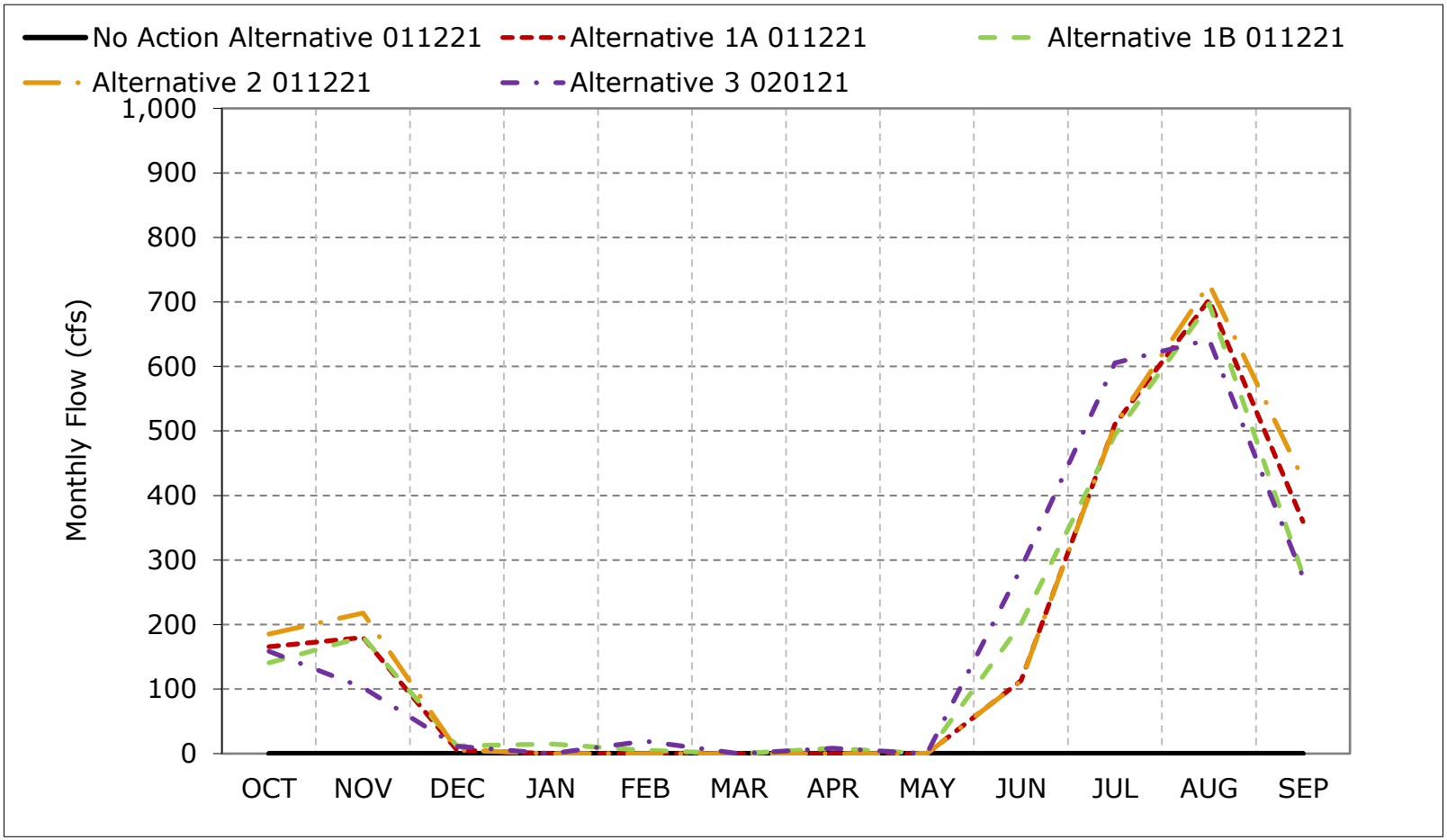
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



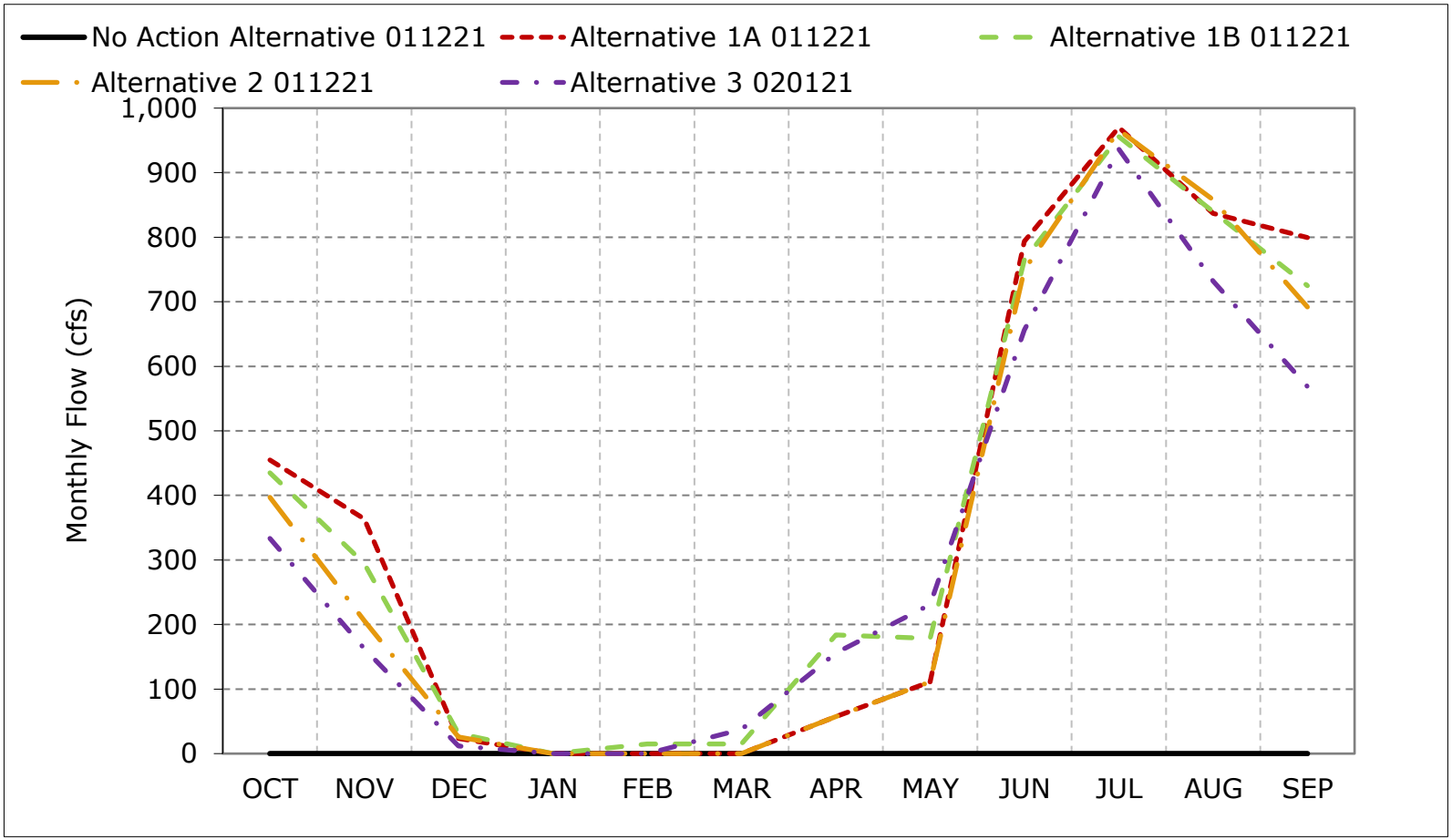
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



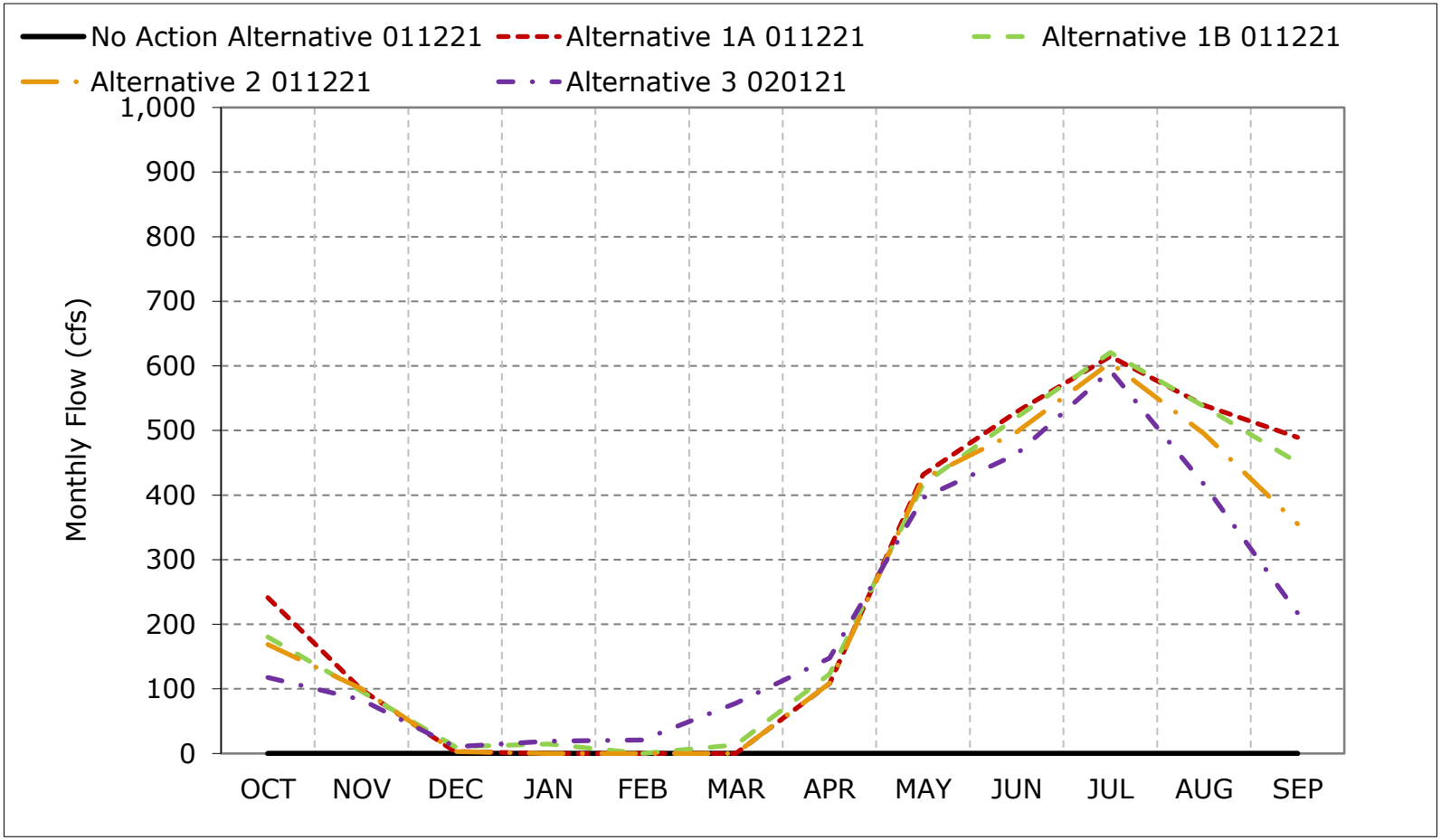
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

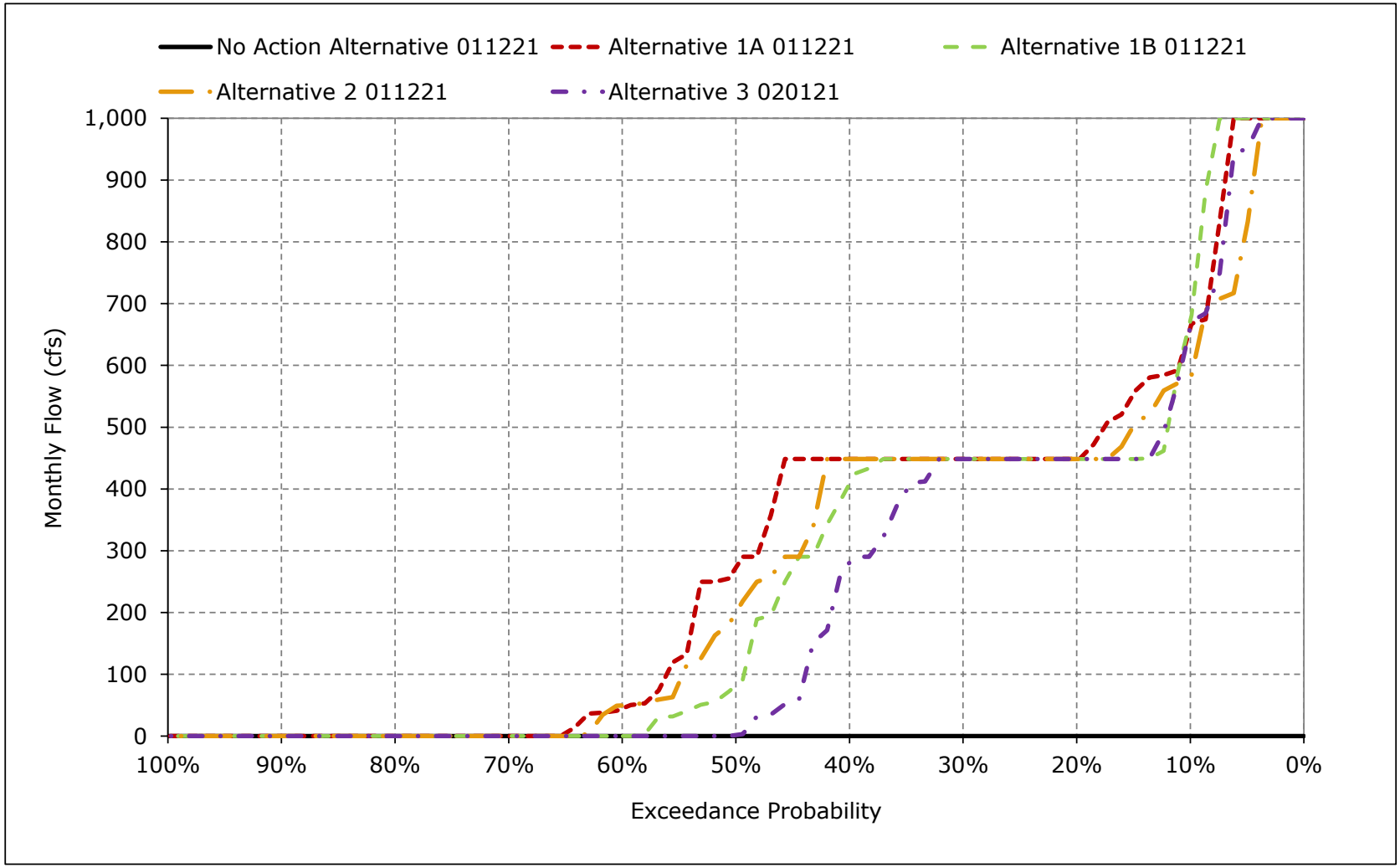


Figure 5B1-4-8. Sites Release to Dunnigan Pipeline, November

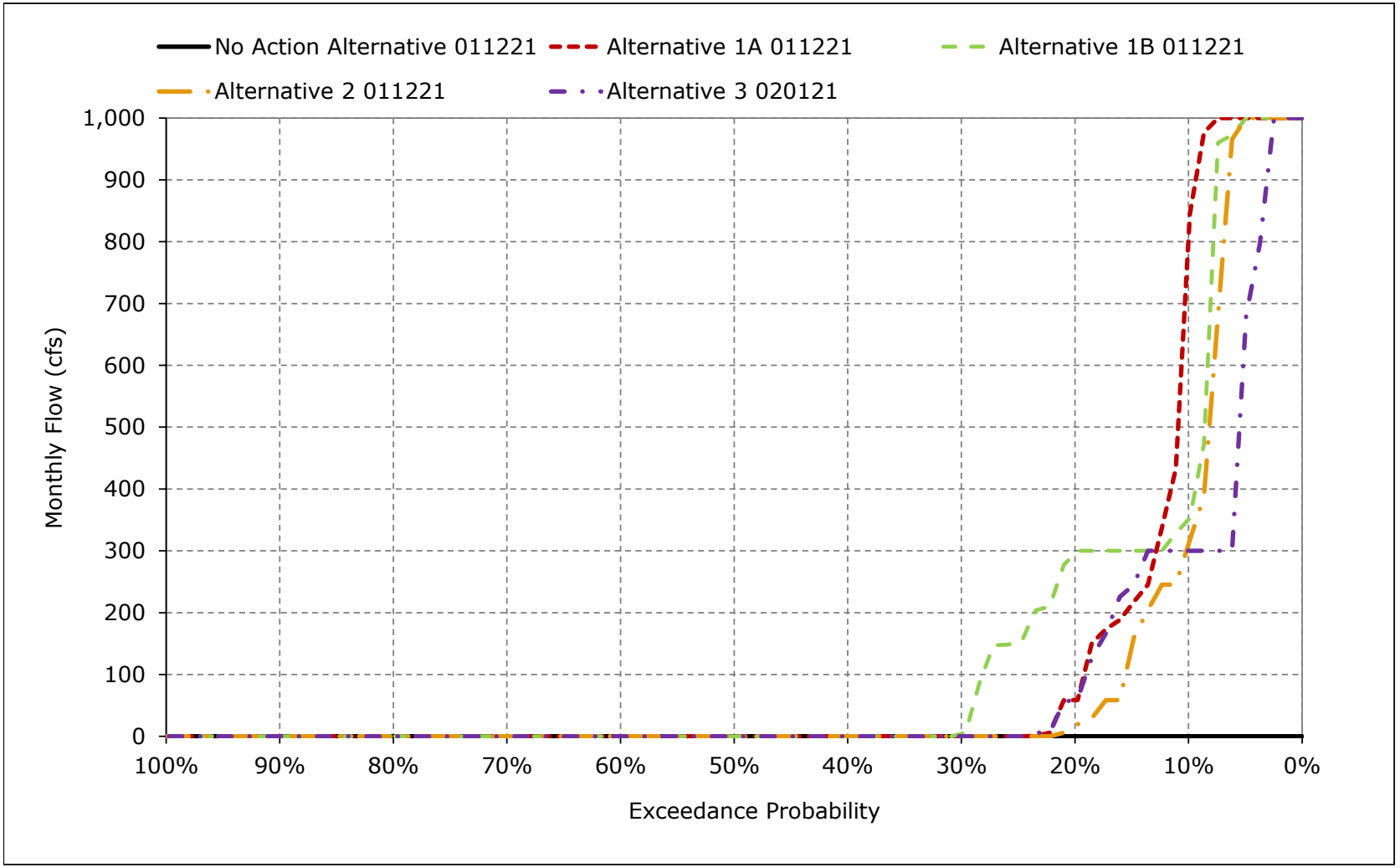


Figure 5B1-4-9. Sites Release to Dunnigan Pipeline, December

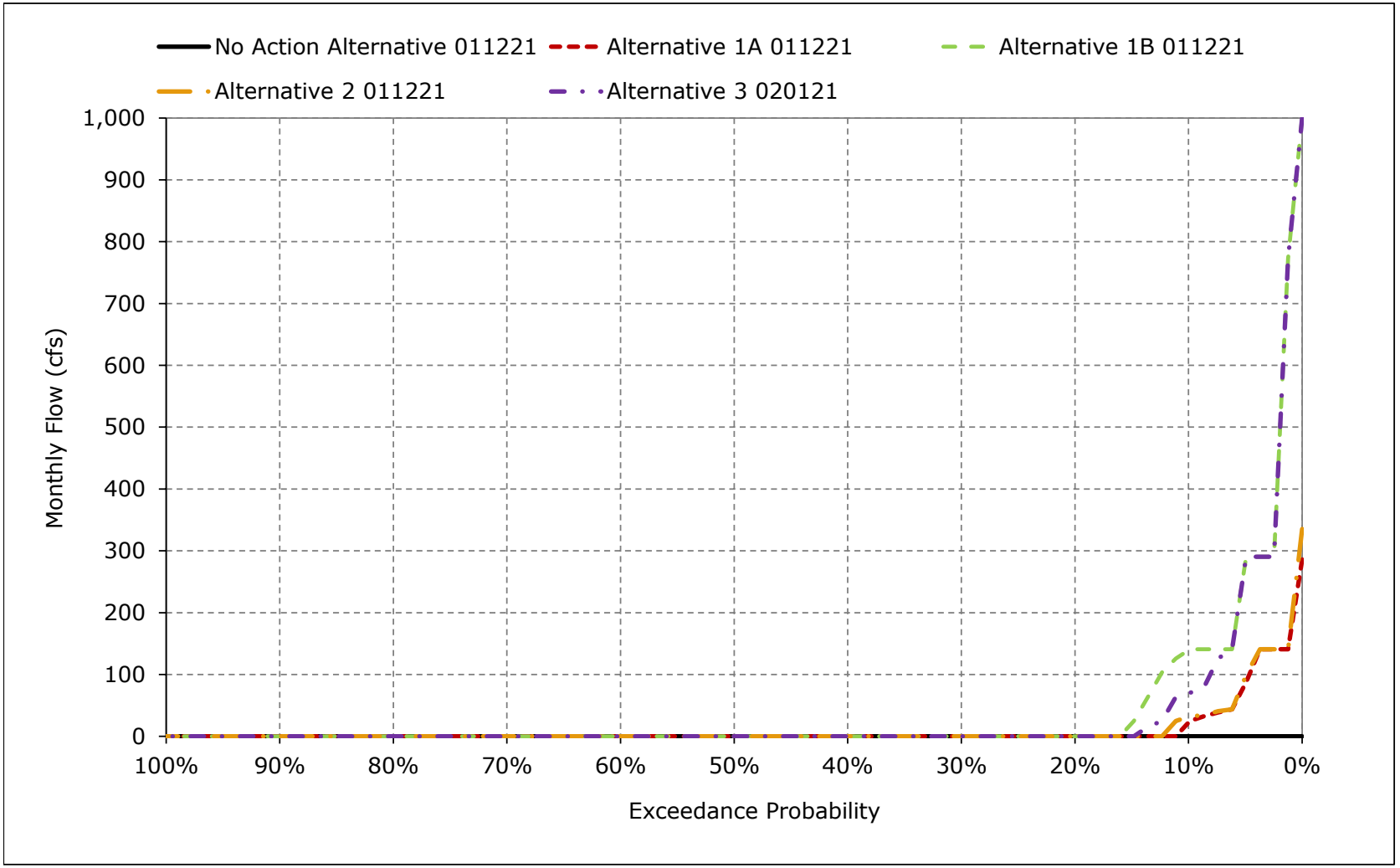


Figure 5B1-4-10. Sites Release to Dunnigan Pipeline, January

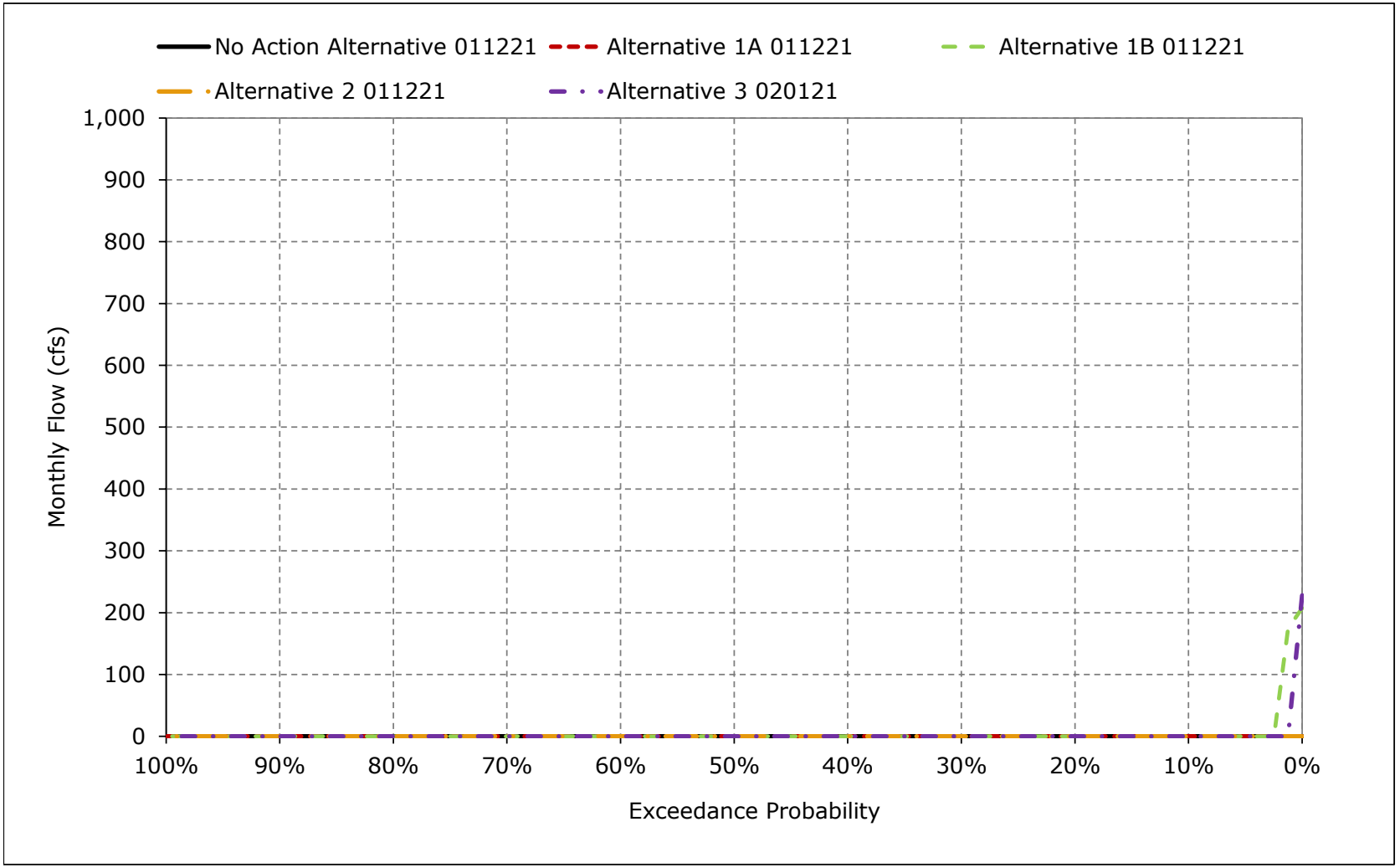


Figure 5B1-4-11. Sites Release to Dunnigan Pipeline, February

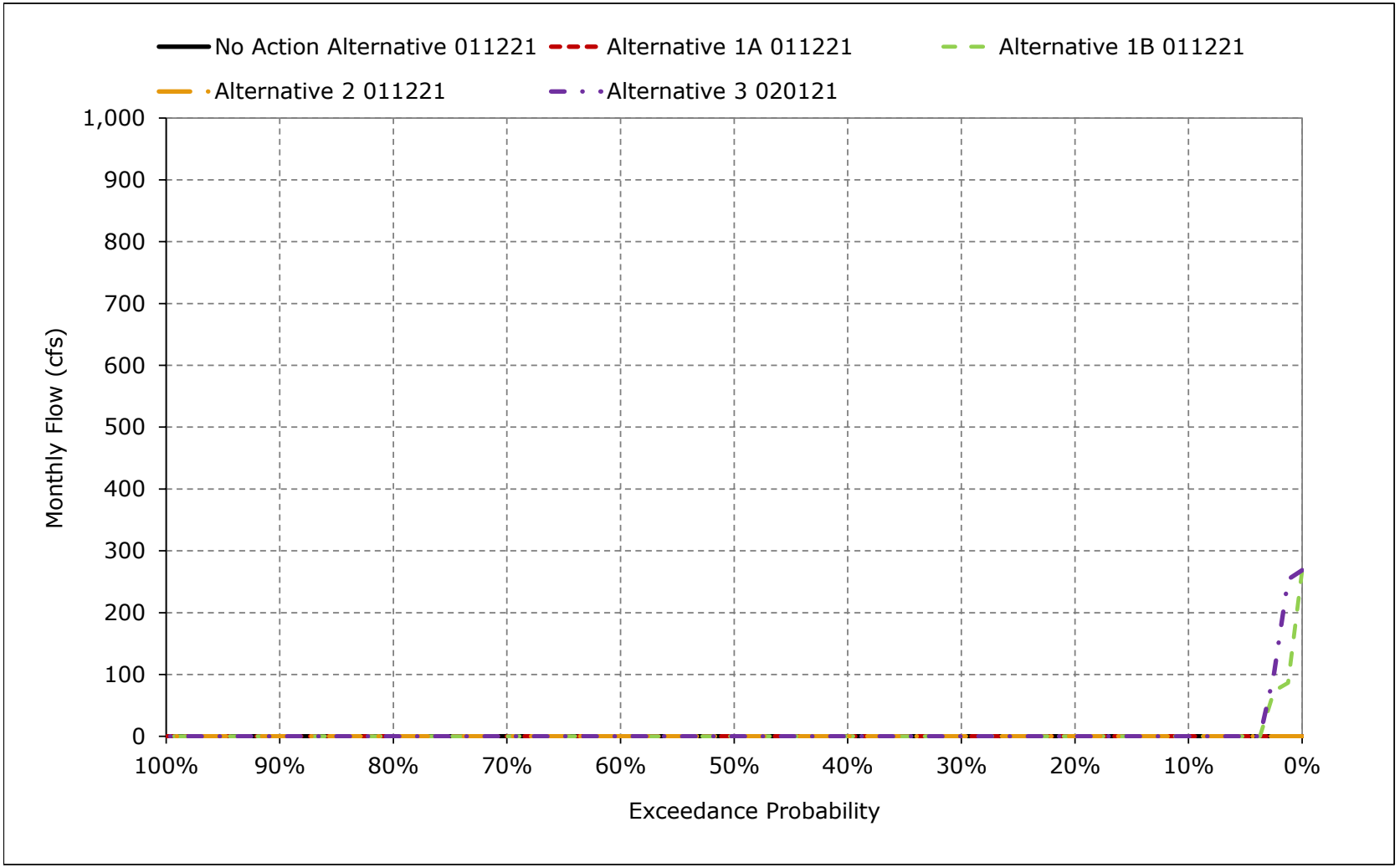


Figure 5B1-4-12. Sites Release to Dunnigan Pipeline, March

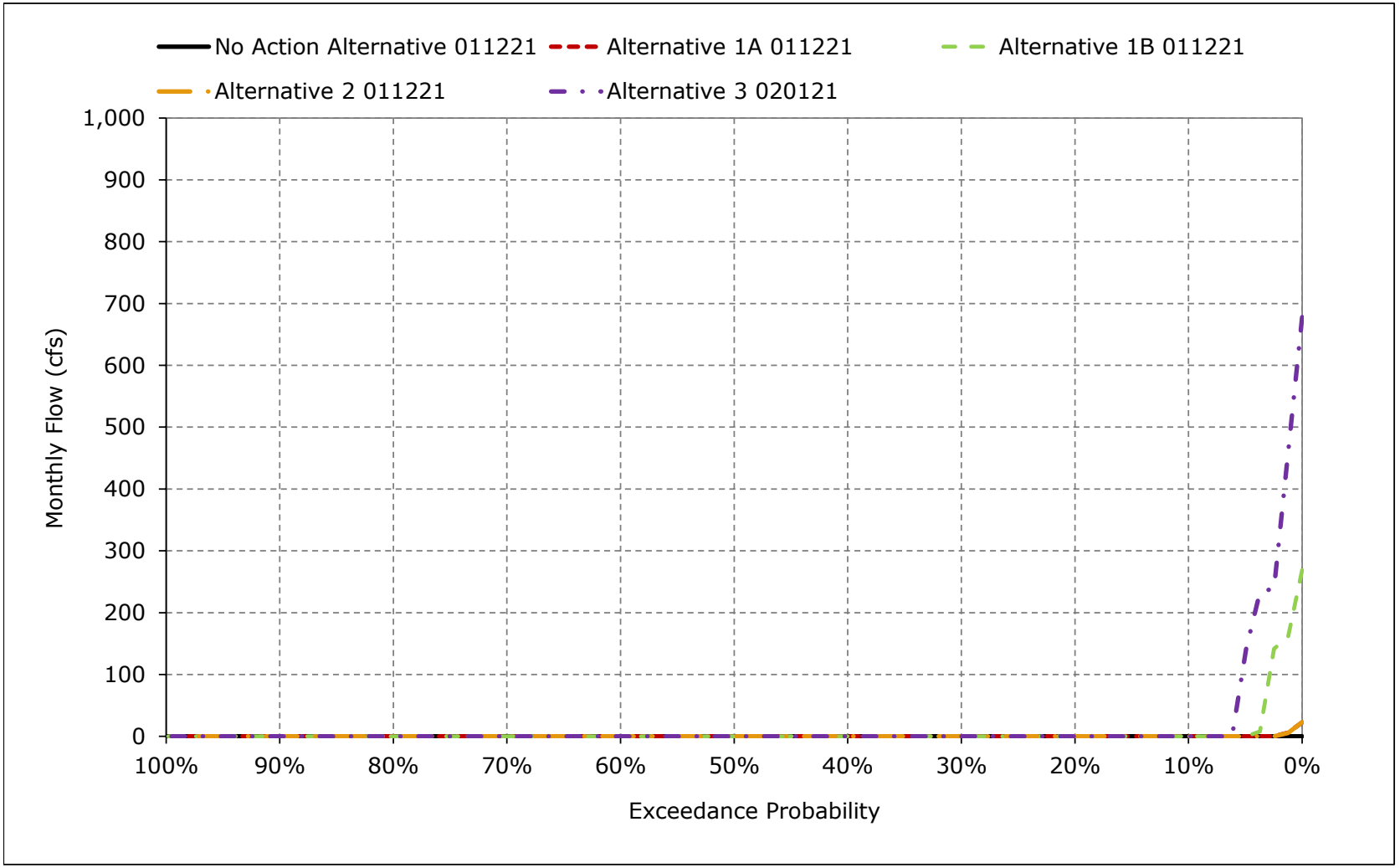


Figure 5B1-4-13. Sites Release to Dunnigan Pipeline, April

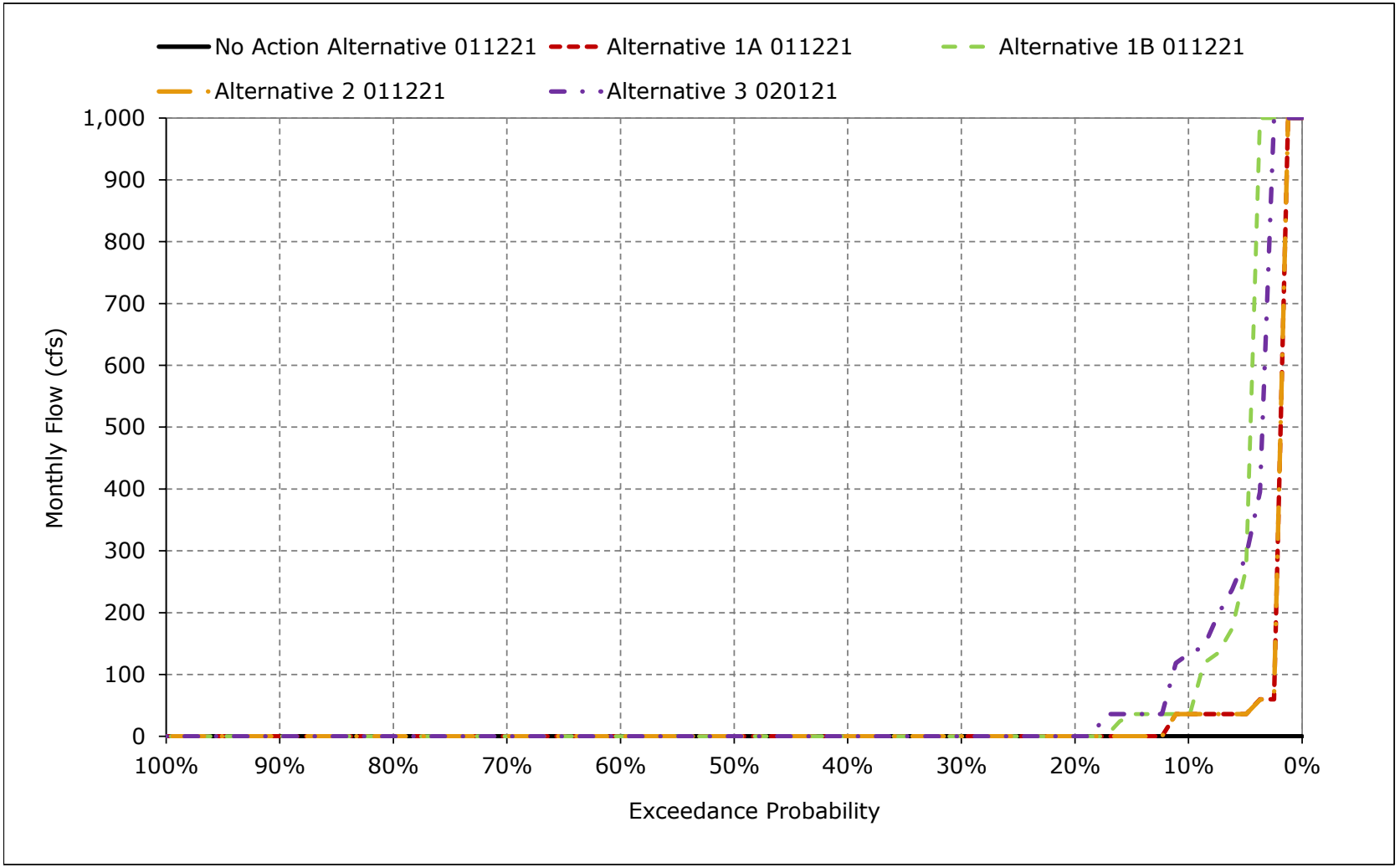


Figure 5B1-4-14. Sites Release to Dunnigan Pipeline, May

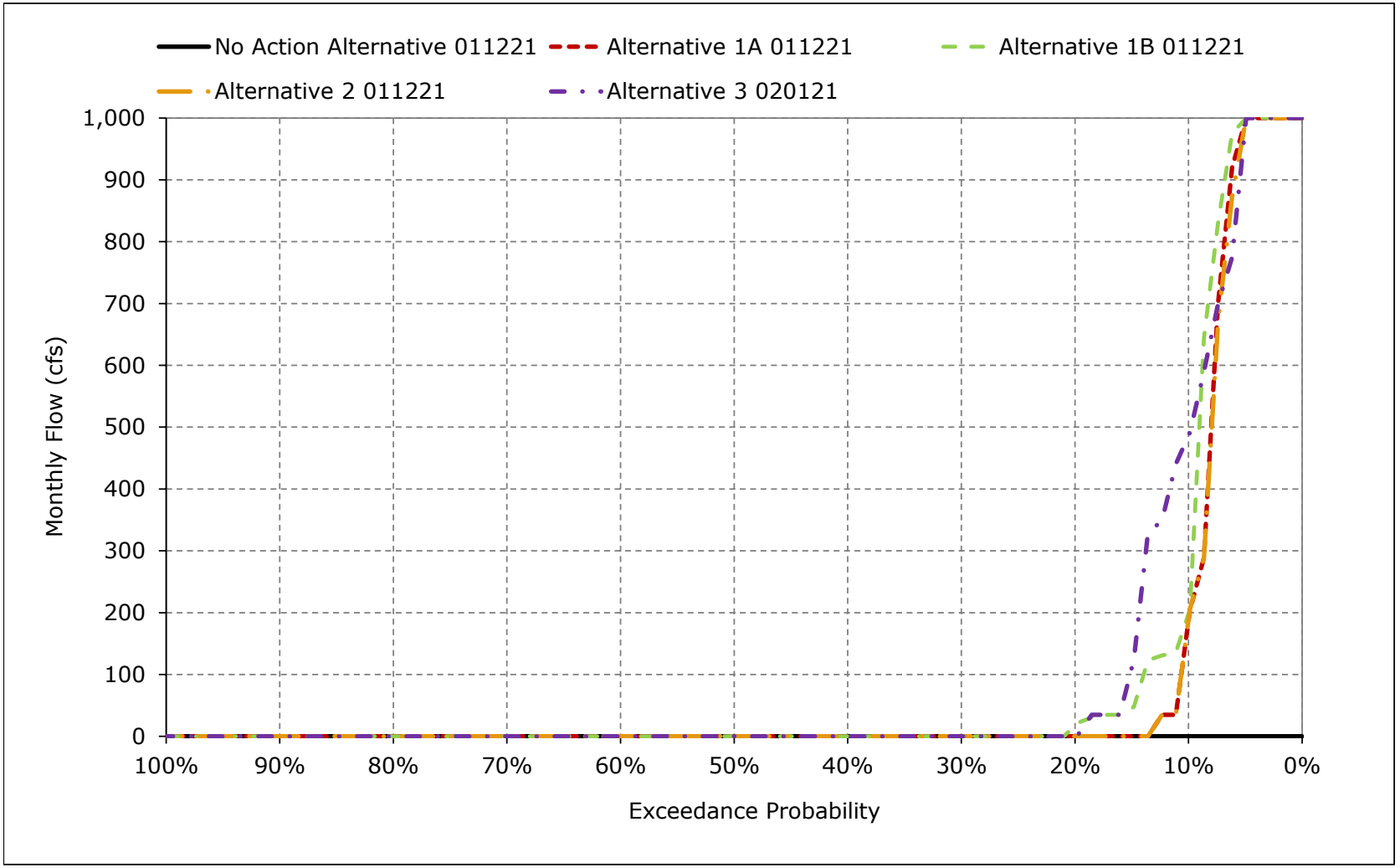


Figure 5B1-4-15. Sites Release to Dunnigan Pipeline, June

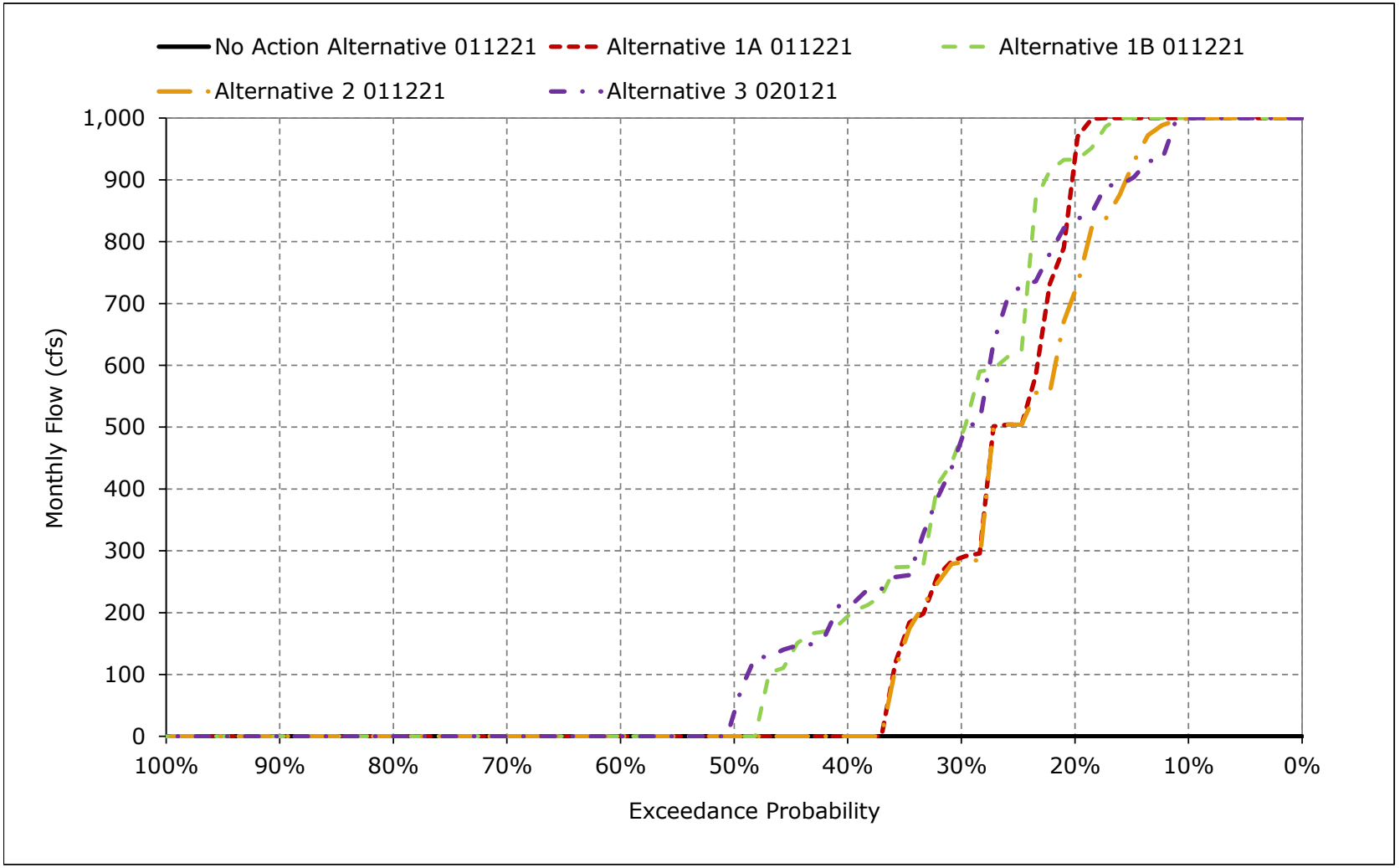


Figure 5B1-4-16. Sites Release to Dunnigan Pipeline, July

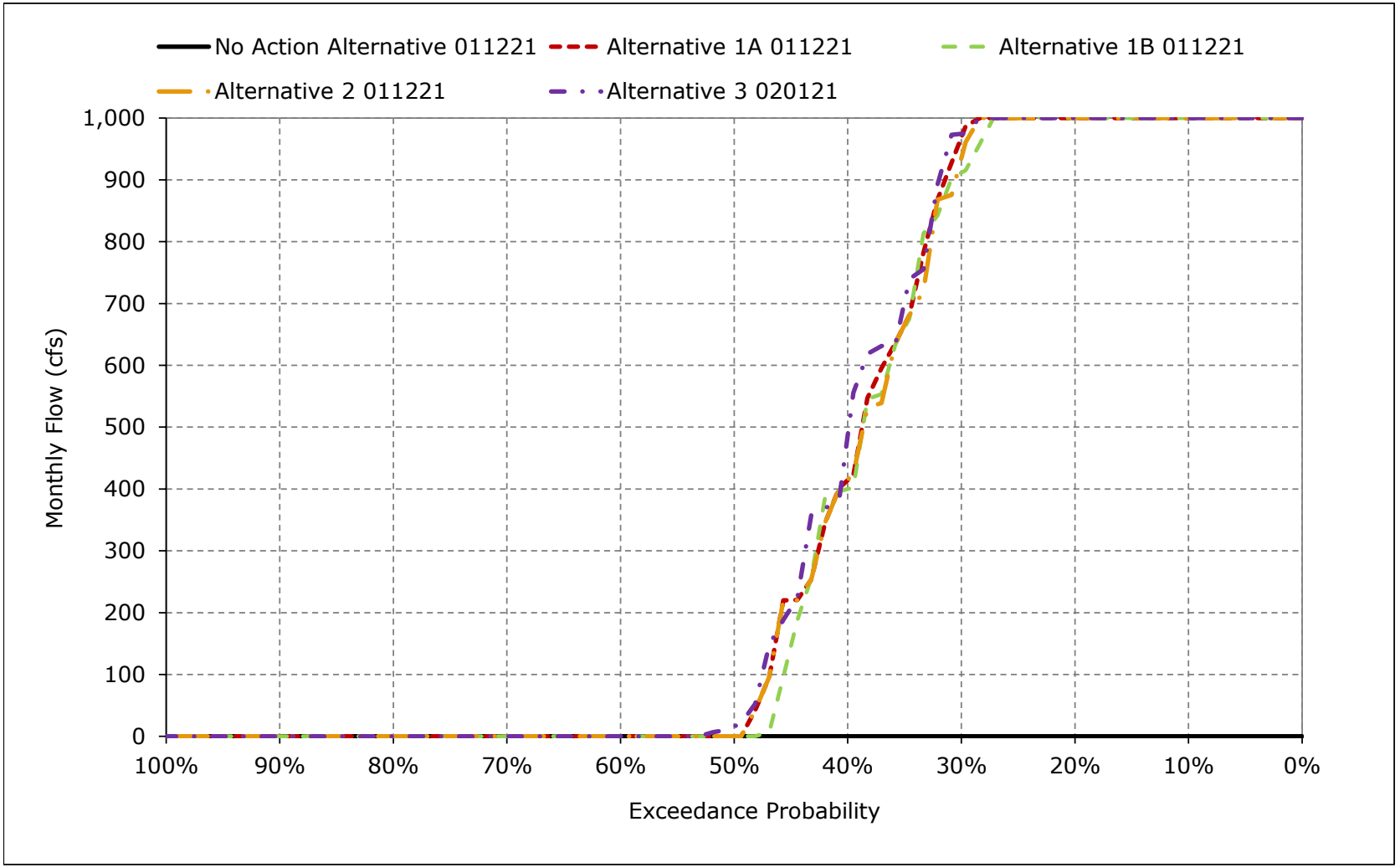


Figure 5B1-4-17. Sites Release to Dunnigan Pipeline, August

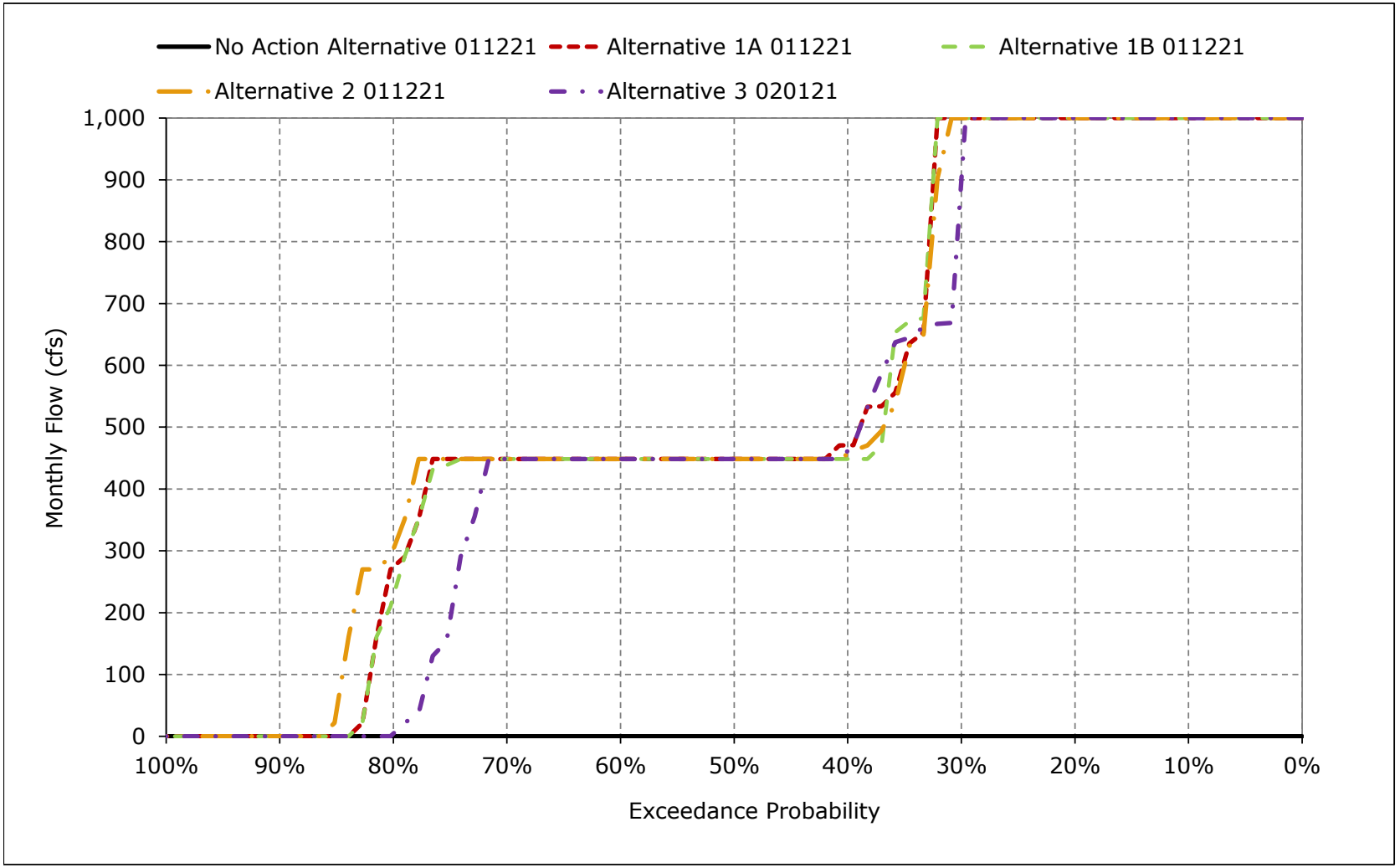


Figure 5B1-4-18. Sites Release to Dunnigan Pipeline, September

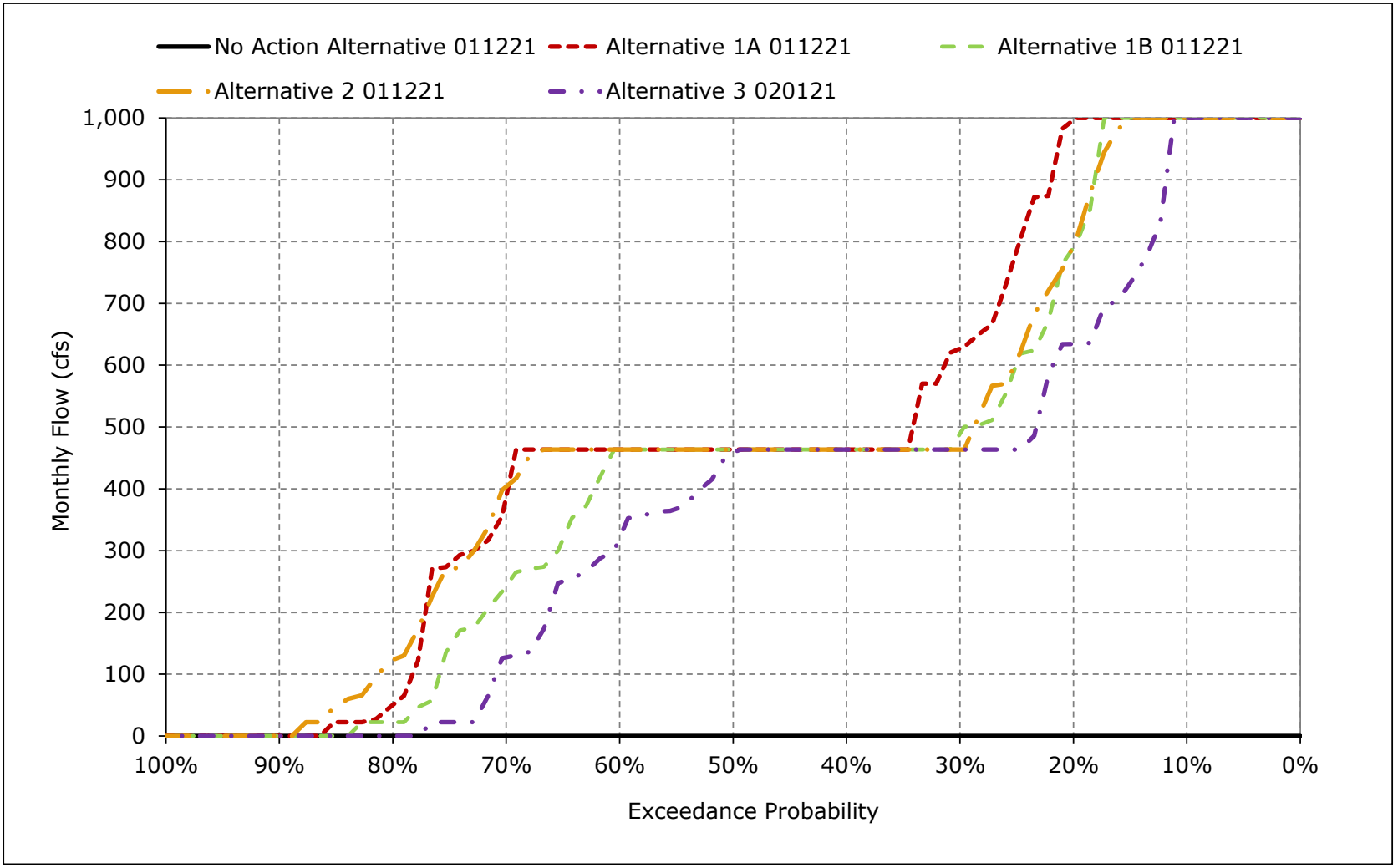


Table 5B1-5-1a. Sites Release to Yolo Bypass, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-5-1b. Sites Release to Yolo Bypass, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	449	0	0	0	0	0	0	0	0	0	449	464
40%	250	0	0	0	0	0	0	0	0	0	449	464
50%	0	0	0	0	0	0	0	0	0	0	449	375
60%	0	0	0	0	0	0	0	0	0	0	278	281
70%	0	0	0	0	0	0	0	0	0	0	0	2
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	181	0	0	0	0	0	0	0	0	0	272	277
Water Year Types[b,c]												
Wet (32%)	286	0	0	0	0	0	0	0	0	0	356	404
Above Normal (15%)	272	0	0	0	0	0	0	0	0	0	359	397
Below Normal (17%)	97	0	0	0	0	0	0	0	0	0	224	187
Dry (22%)	130	0	0	0	0	0	0	0	0	0	228	227
Critical (15%)	37	0	0	0	0	0	0	0	0	0	123	61

Table 5B1-5-1c. Sites Release to Yolo Bypass, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	449	0	0	0	0	0	0	0	0	0	449	464
40%	250	0	0	0	0	0	0	0	0	0	449	464
50%	0	0	0	0	0	0	0	0	0	0	449	375
60%	0	0	0	0	0	0	0	0	0	0	278	281
70%	0	0	0	0	0	0	0	0	0	0	0	2
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	181	0	0	0	0	0	0	0	0	0	272	277
Water Year Types[b,c]												
Wet (32%)	286	0	0	0	0	0	0	0	0	0	356	404
Above Normal (15%)	272	0	0	0	0	0	0	0	0	0	359	397
Below Normal (17%)	97	0	0	0	0	0	0	0	0	0	224	187
Dry (22%)	130	0	0	0	0	0	0	0	0	0	228	227
Critical (15%)	37	0	0	0	0	0	0	0	0	0	123	61

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-5-2a. Sites Release to Yolo Bypass, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-5-2b. Sites Release to Yolo Bypass, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	400	0	0	0	0	0	0	0	0	0	449	464
40%	6	0	0	0	0	0	0	0	0	0	449	426
50%	0	0	0	0	0	0	0	0	0	0	449	287
60%	0	0	0	0	0	0	0	0	0	0	308	150
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	158	0	0	0	0	0	0	0	0	0	272	252
Water Year Types[b,c]												
Wet (32%)	284	0	0	0	0	0	0	0	0	0	356	391
Above Normal (15%)	199	0	0	0	0	0	0	0	0	0	354	322
Below Normal (17%)	96	0	0	0	0	0	0	0	0	0	224	168
Dry (22%)	68	0	0	0	0	0	0	0	0	0	245	187
Critical (15%)	54	0	0	0	0	0	0	0	0	0	103	77

Table 5B1-5-2c. Sites Release to Yolo Bypass, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	400	0	0	0	0	0	0	0	0	0	449	464
40%	6	0	0	0	0	0	0	0	0	0	449	426
50%	0	0	0	0	0	0	0	0	0	0	449	287
60%	0	0	0	0	0	0	0	0	0	0	308	150
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	158	0	0	0	0	0	0	0	0	0	272	252
Water Year Types[b,c]												
Wet (32%)	284	0	0	0	0	0	0	0	0	0	356	391
Above Normal (15%)	199	0	0	0	0	0	0	0	0	0	354	322
Below Normal (17%)	96	0	0	0	0	0	0	0	0	0	224	168
Dry (22%)	68	0	0	0	0	0	0	0	0	0	245	187
Critical (15%)	54	0	0	0	0	0	0	0	0	0	103	77

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-5-3a. Sites Release to Yolo Bypass, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-5-3b. Sites Release to Yolo Bypass, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	449	0	0	0	0	0	0	0	0	0	449	464
40%	274	0	0	0	0	0	0	0	0	0	449	464
50%	0	0	0	0	0	0	0	0	0	0	449	448
60%	0	0	0	0	0	0	0	0	0	0	449	293
70%	0	0	0	0	0	0	0	0	0	0	19	97
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	183	0	0	0	0	0	0	0	0	0	300	290
Water Year Types[b,c]												
Wet (32%)	272	0	0	0	0	0	0	0	0	0	356	437
Above Normal (15%)	274	0	0	0	0	0	0	0	0	0	381	398
Below Normal (17%)	110	0	0	0	0	0	0	0	0	0	288	249
Dry (22%)	146	0	0	0	0	0	0	0	0	0	275	204
Critical (15%)	37	0	0	0	0	0	0	0	0	0	150	37

Table 5B1-5-3c. Sites Release to Yolo Bypass, Alternative 2 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	449	0	0	0	0	0	0	0	0	0	449	464
40%	274	0	0	0	0	0	0	0	0	0	449	464
50%	0	0	0	0	0	0	0	0	0	0	449	448
60%	0	0	0	0	0	0	0	0	0	0	449	293
70%	0	0	0	0	0	0	0	0	0	0	19	97
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	183	0	0	0	0	0	0	0	0	0	300	290
Water Year Types[b,c]												
Wet (32%)	272	0	0	0	0	0	0	0	0	0	356	437
Above Normal (15%)	274	0	0	0	0	0	0	0	0	0	381	398
Below Normal (17%)	110	0	0	0	0	0	0	0	0	0	288	249
Dry (22%)	146	0	0	0	0	0	0	0	0	0	275	204
Critical (15%)	37	0	0	0	0	0	0	0	0	0	150	37

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-5-4a. Sites Release to Yolo Bypass, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-5-4b. Sites Release to Yolo Bypass, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	283	0	0	0	0	0	0	0	0	0	449	464
40%	0	0	0	0	0	0	0	0	0	0	449	378
50%	0	0	0	0	0	0	0	0	0	0	449	317
60%	0	0	0	0	0	0	0	0	0	0	0	61
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	135	0	0	0	0	0	0	0	0	0	247	239
Water Year Types[b,c]												
Wet (32%)	239	0	0	0	0	0	0	0	0	0	356	382
Above Normal (15%)	177	0	0	0	0	0	0	0	0	0	317	362
Below Normal (17%)	96	0	0	0	0	0	0	0	0	0	224	183
Dry (22%)	50	0	0	0	0	0	0	0	0	0	201	125
Critical (15%)	37	0	0	0	0	0	0	0	0	0	37	39

Table 5B1-5-4c. Sites Release to Yolo Bypass, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

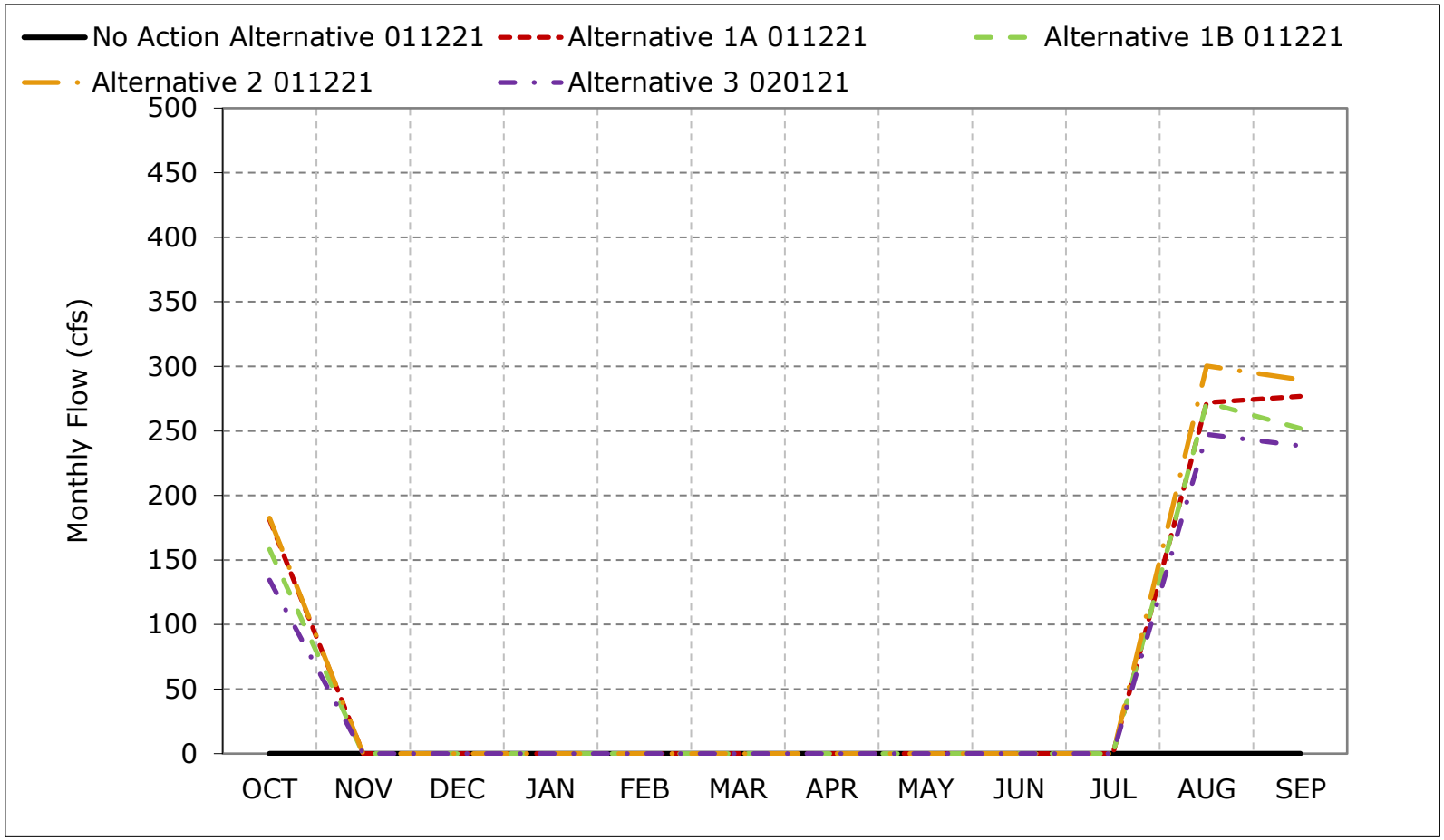
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	449	0	0	0	0	0	0	0	0	0	449	464
20%	449	0	0	0	0	0	0	0	0	0	449	464
30%	283	0	0	0	0	0	0	0	0	0	449	464
40%	0	0	0	0	0	0	0	0	0	0	449	378
50%	0	0	0	0	0	0	0	0	0	0	449	317
60%	0	0	0	0	0	0	0	0	0	0	0	61
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	135	0	0	0	0	0	0	0	0	0	247	239
Water Year Types[b,c]												
Wet (32%)	239	0	0	0	0	0	0	0	0	0	356	382
Above Normal (15%)	177	0	0	0	0	0	0	0	0	0	317	362
Below Normal (17%)	96	0	0	0	0	0	0	0	0	0	224	183
Dry (22%)	50	0	0	0	0	0	0	0	0	0	201	125
Critical (15%)	37	0	0	0	0	0	0	0	0	0	37	39

a Based on the 82-year simulation period.

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

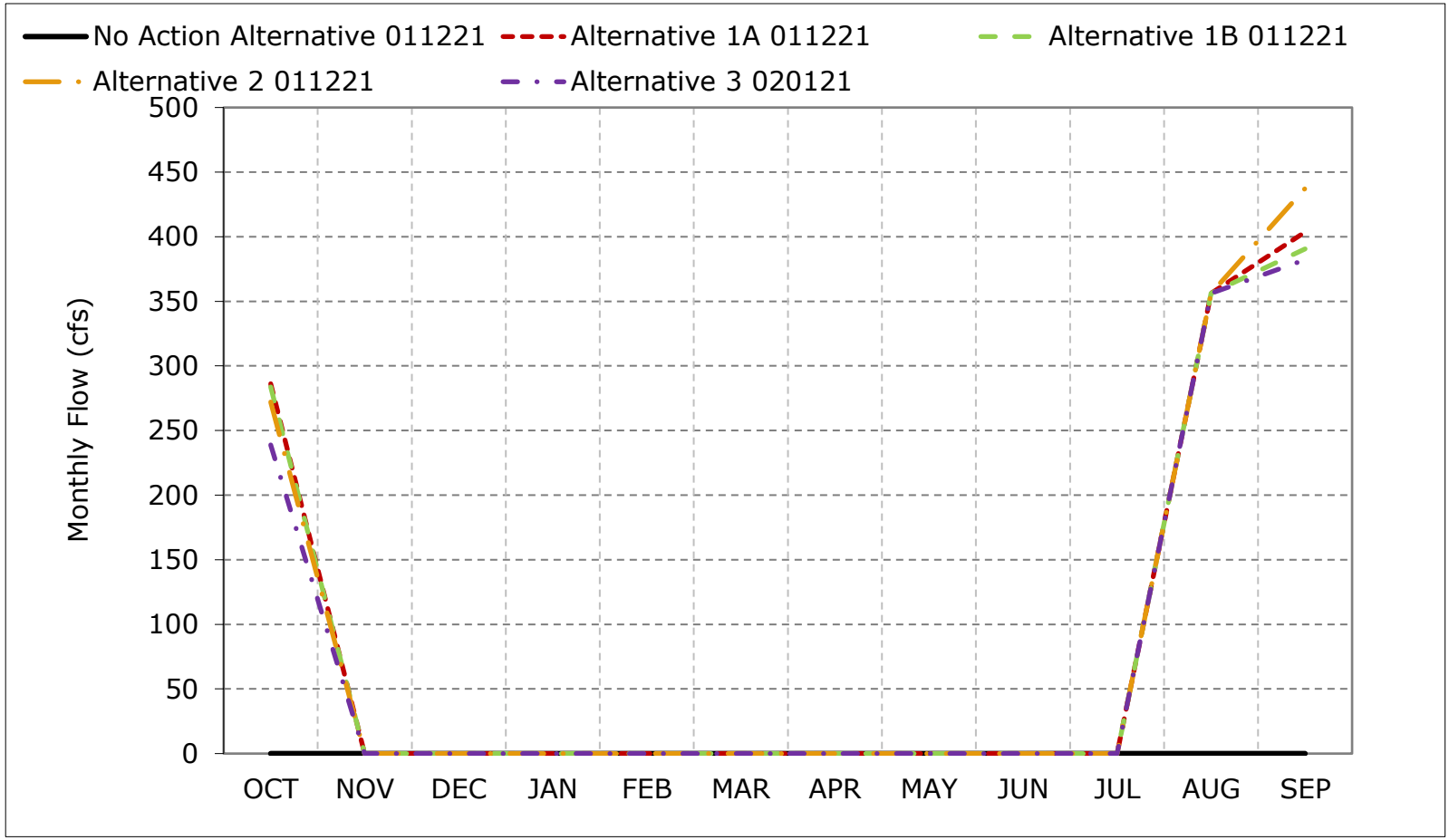
c These results are displayed with calendar year - year type sorting.

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



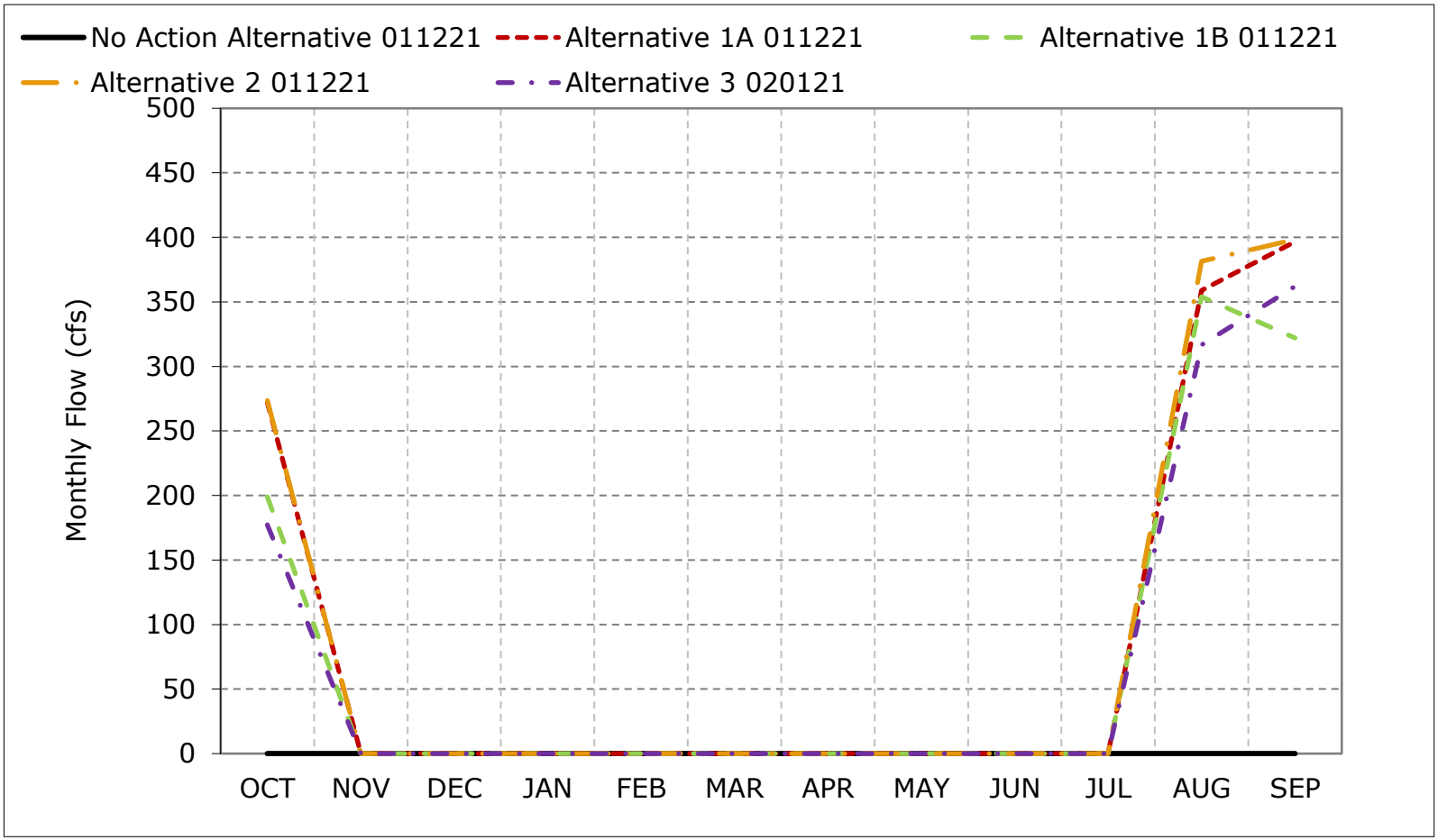
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



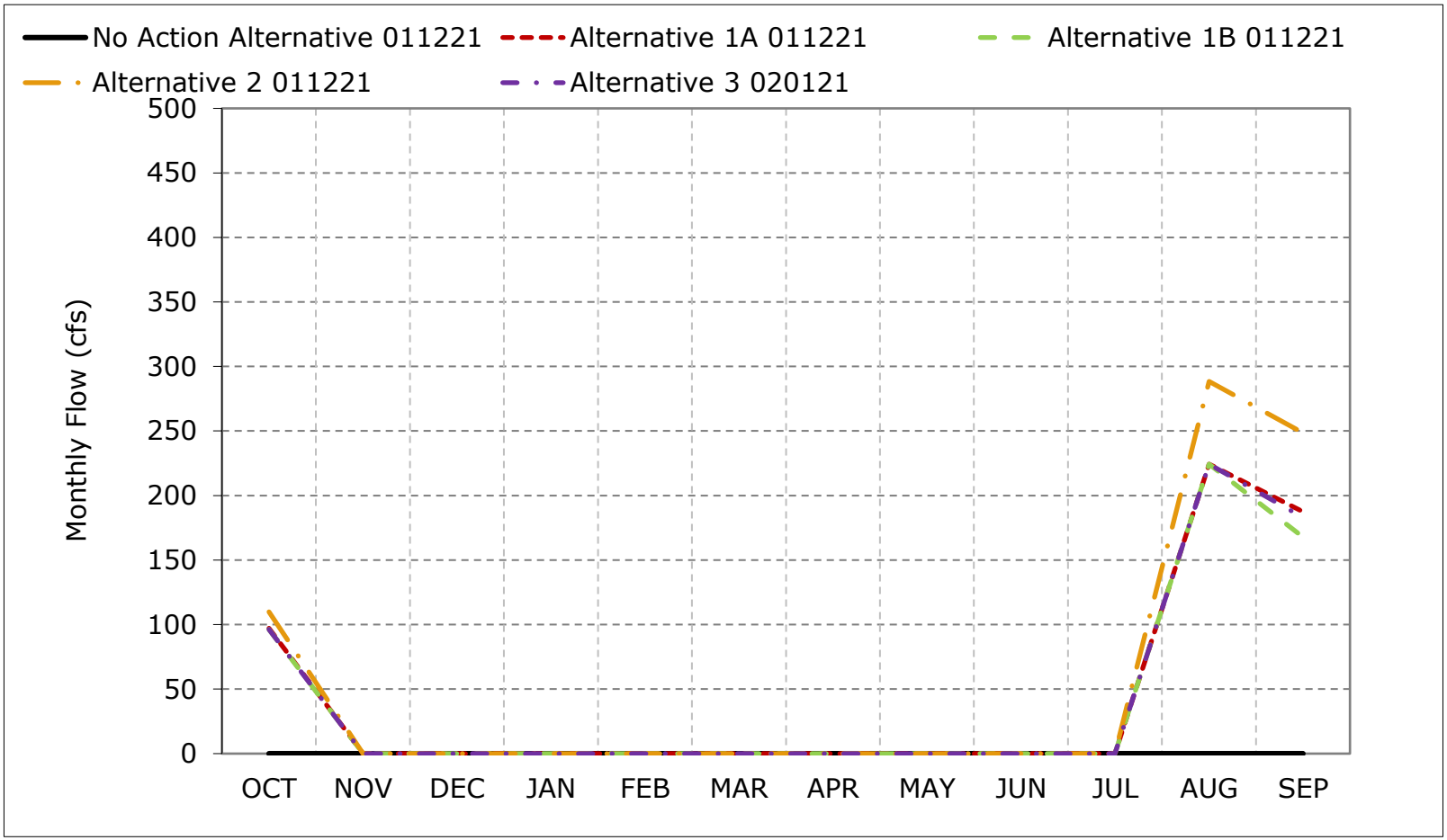
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



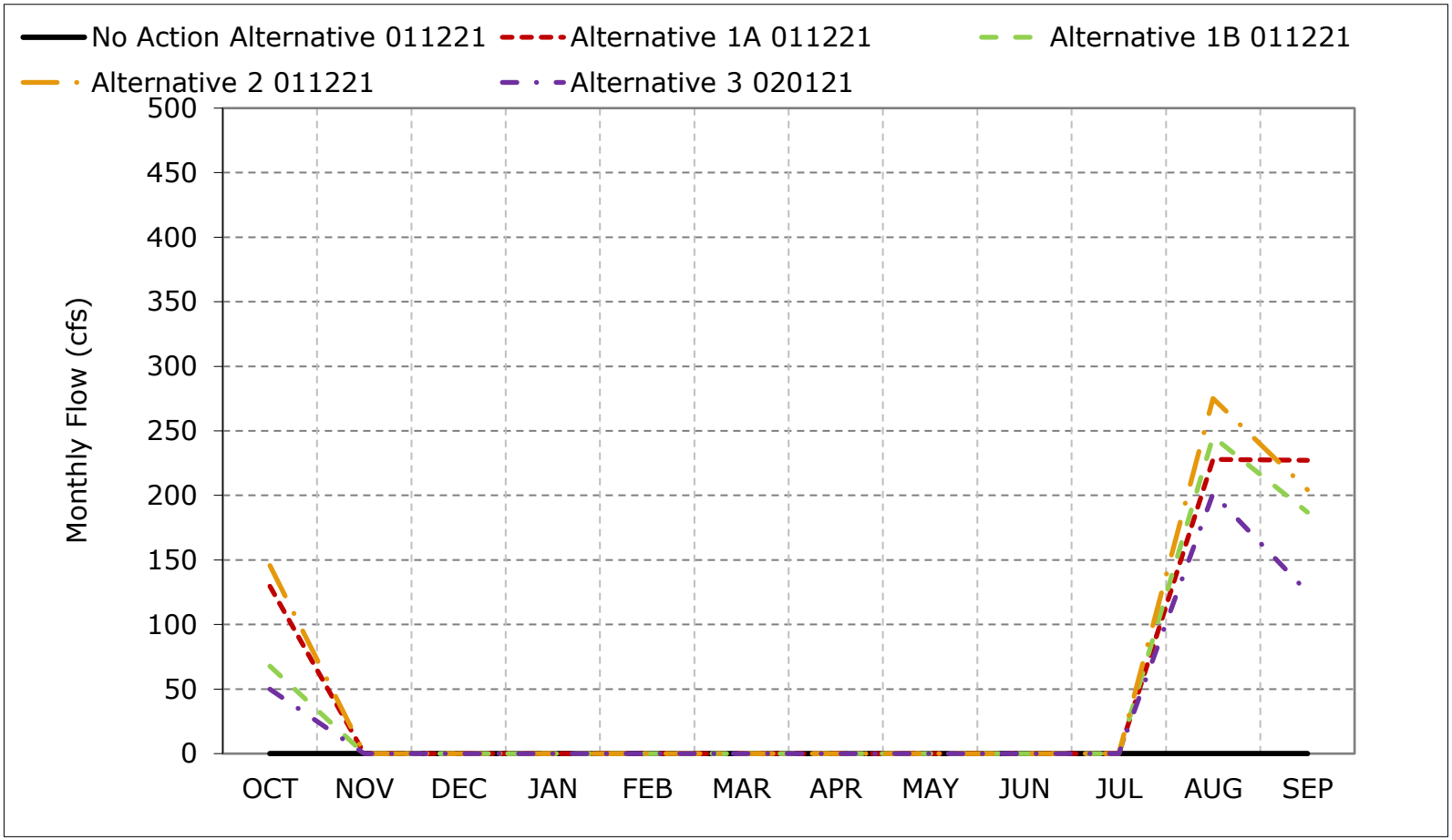
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



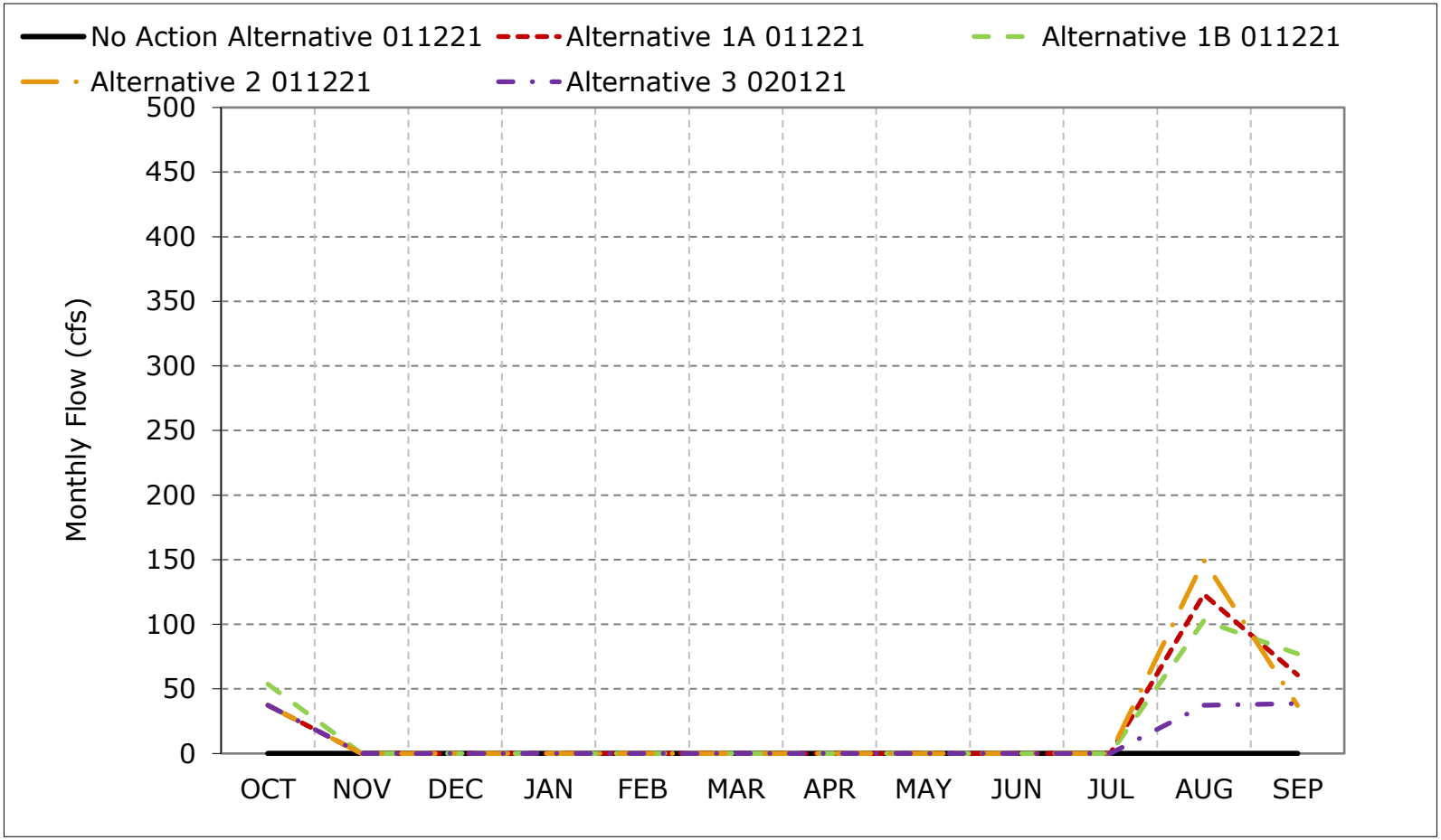
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

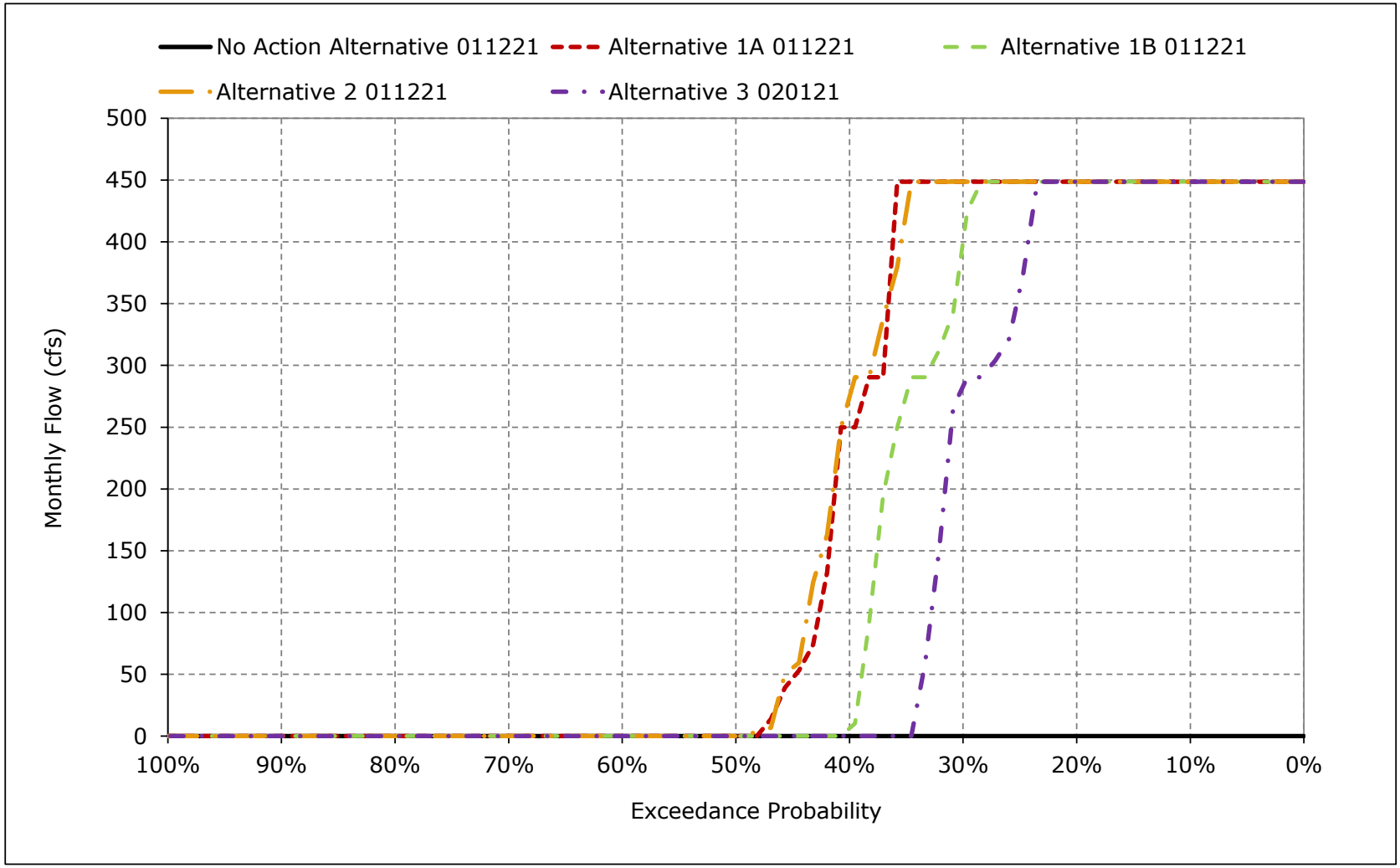


Figure 5B1-5-8. Sites Release to Yolo Bypass, November

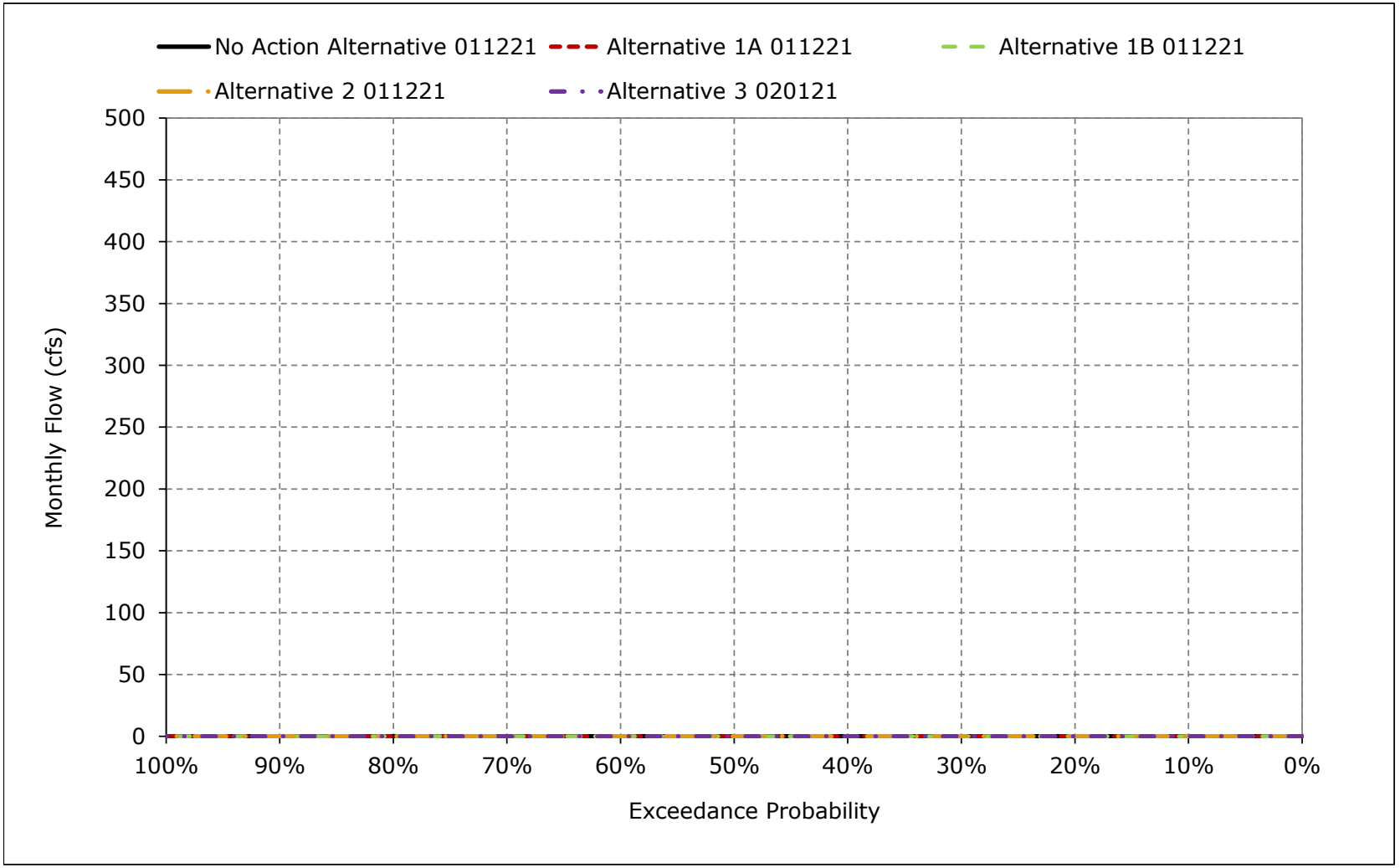


Figure 5B1-5-9. Sites Release to Yolo Bypass, December

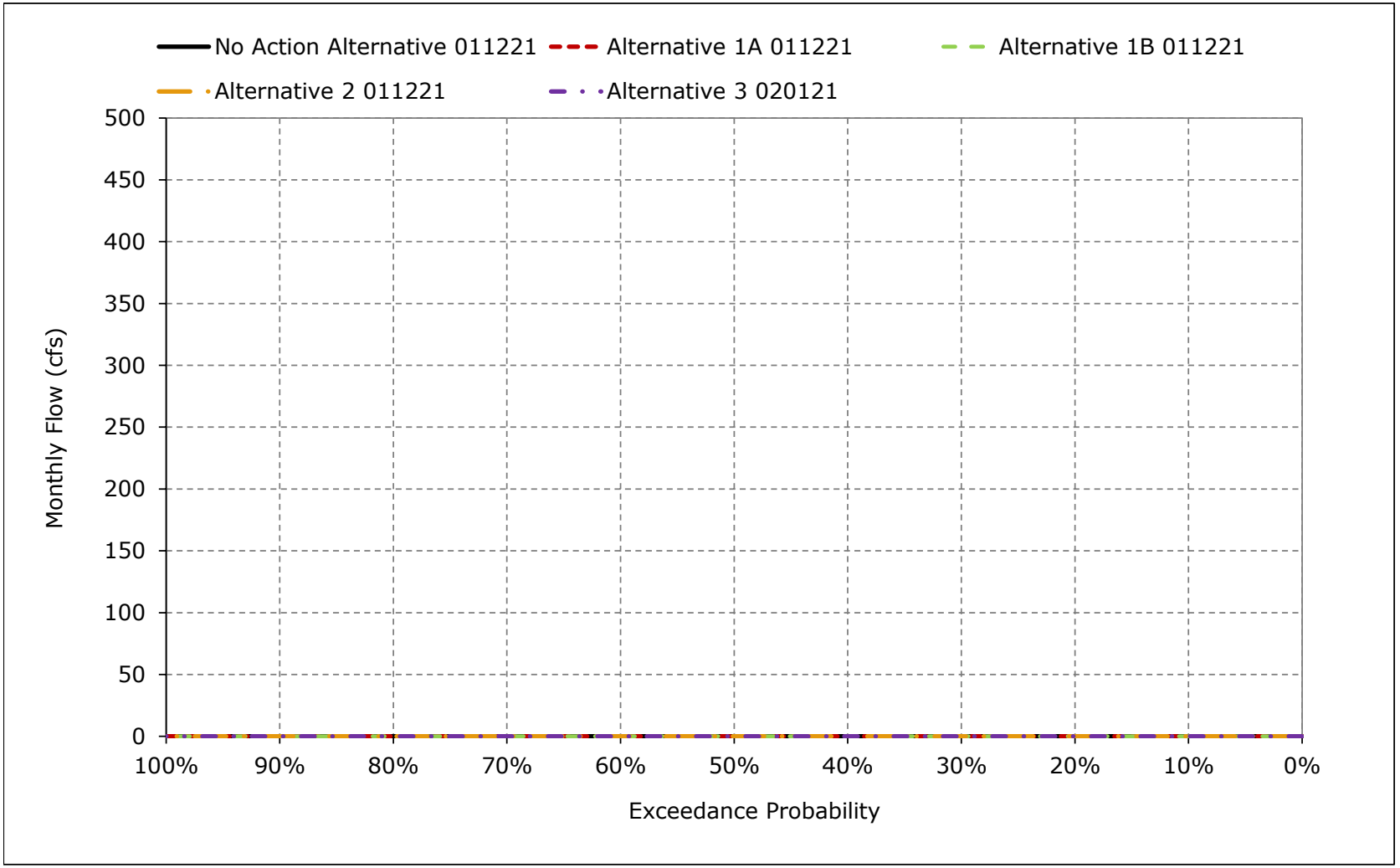


Figure 5B1-5-10. Sites Release to Yolo Bypass, January

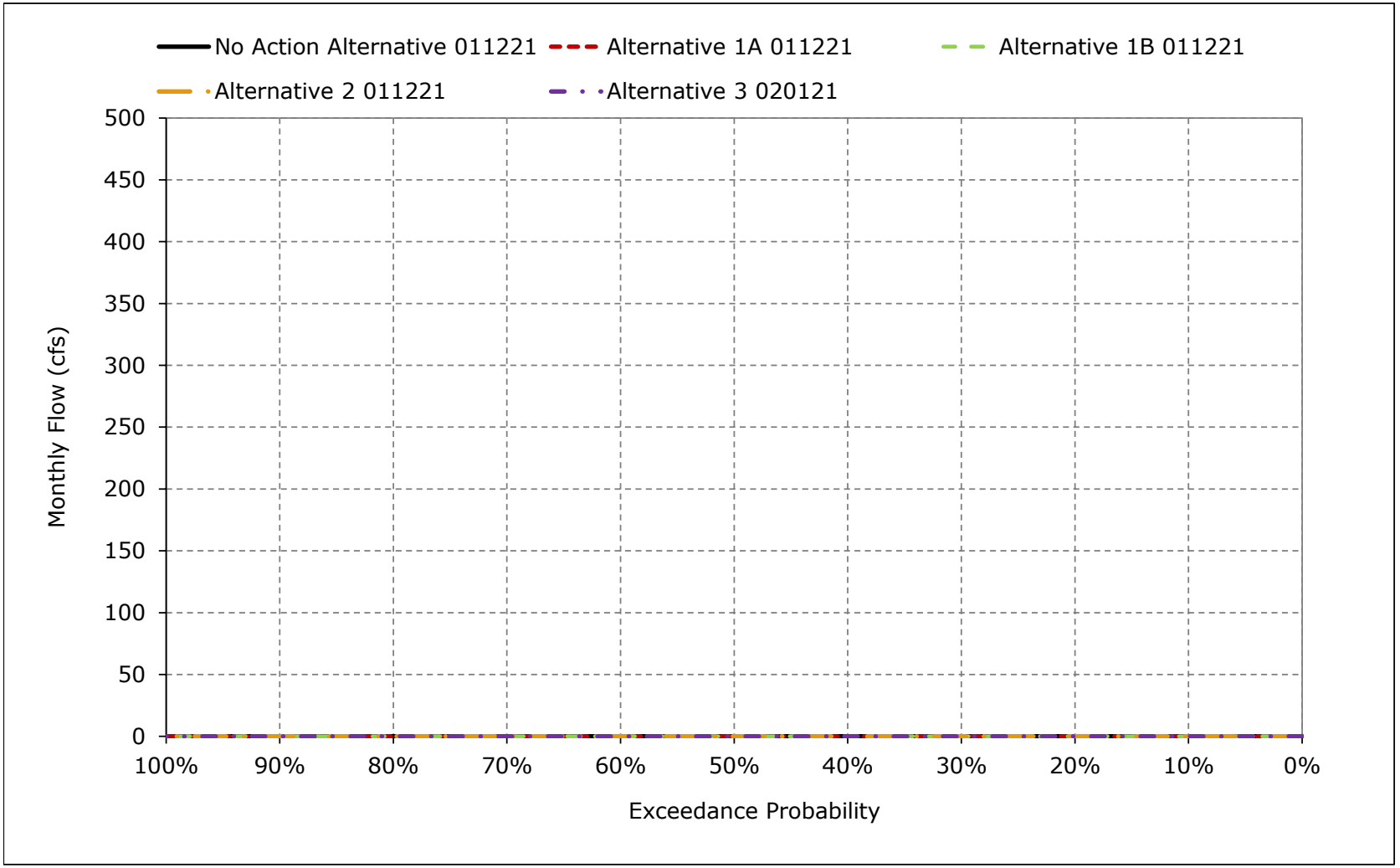


Figure 5B1-5-11. Sites Release to Yolo Bypass, February

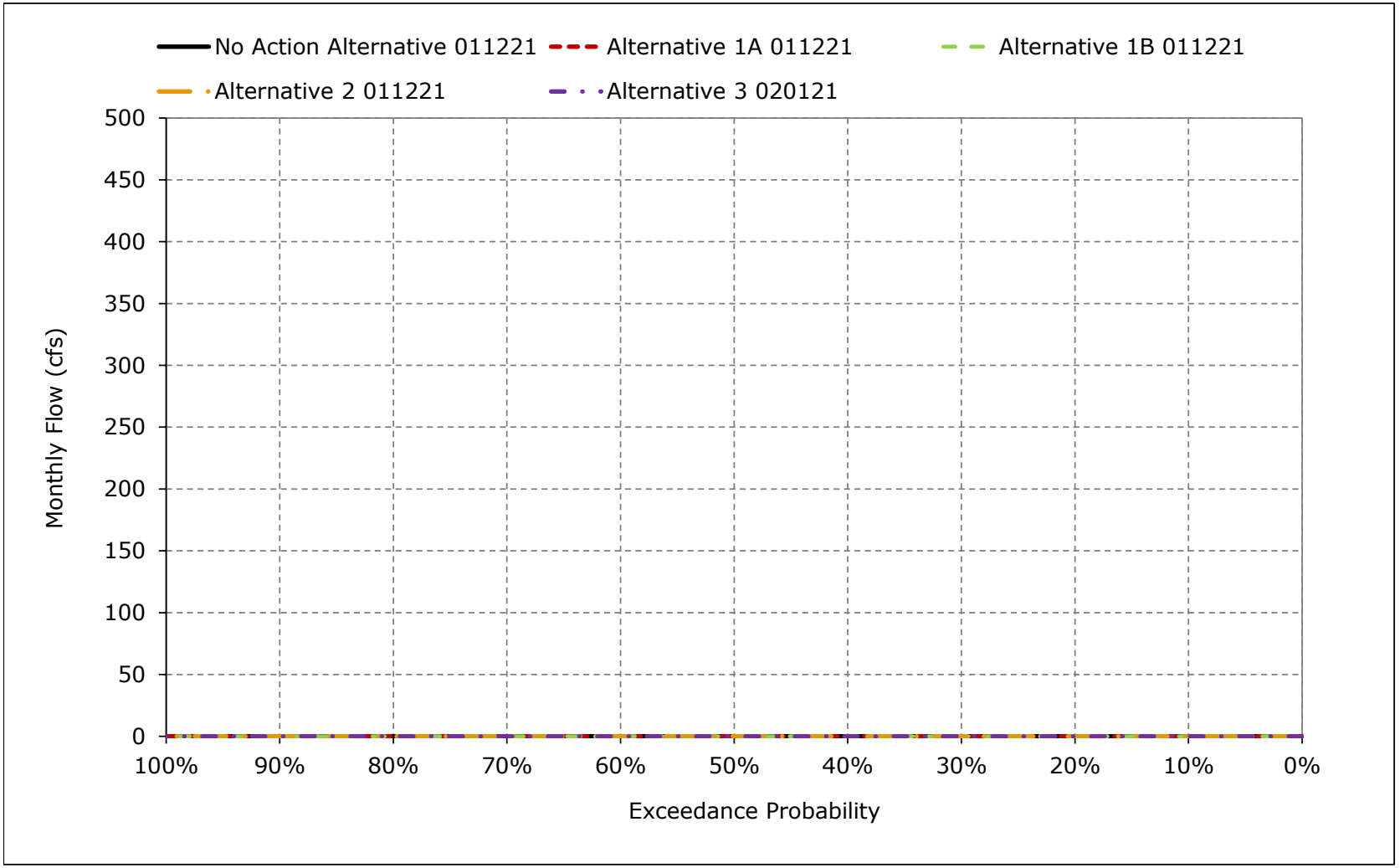


Figure 5B1-5-12. Sites Release to Yolo Bypass, March

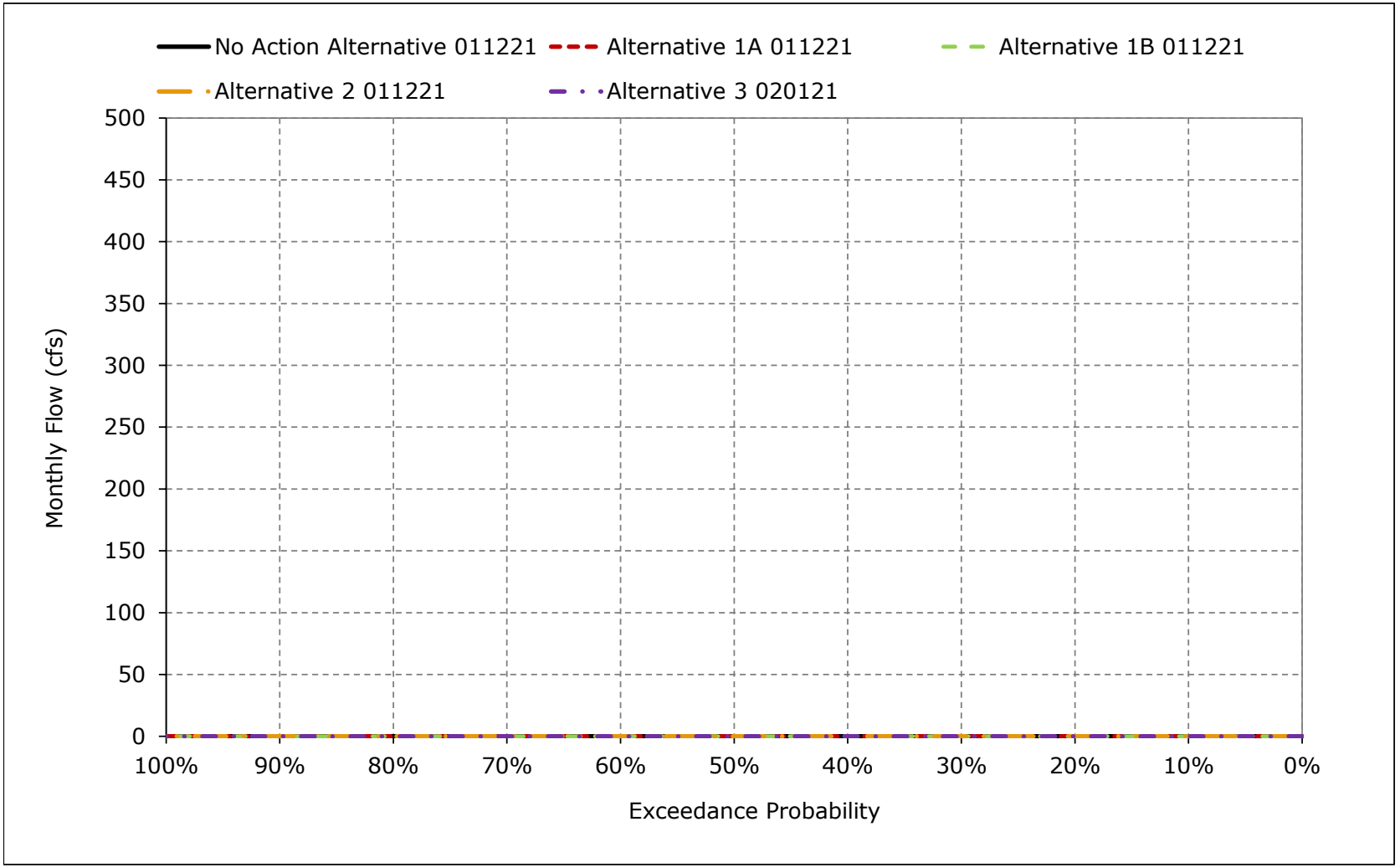


Figure 5B1-5-13. Sites Release to Yolo Bypass, April

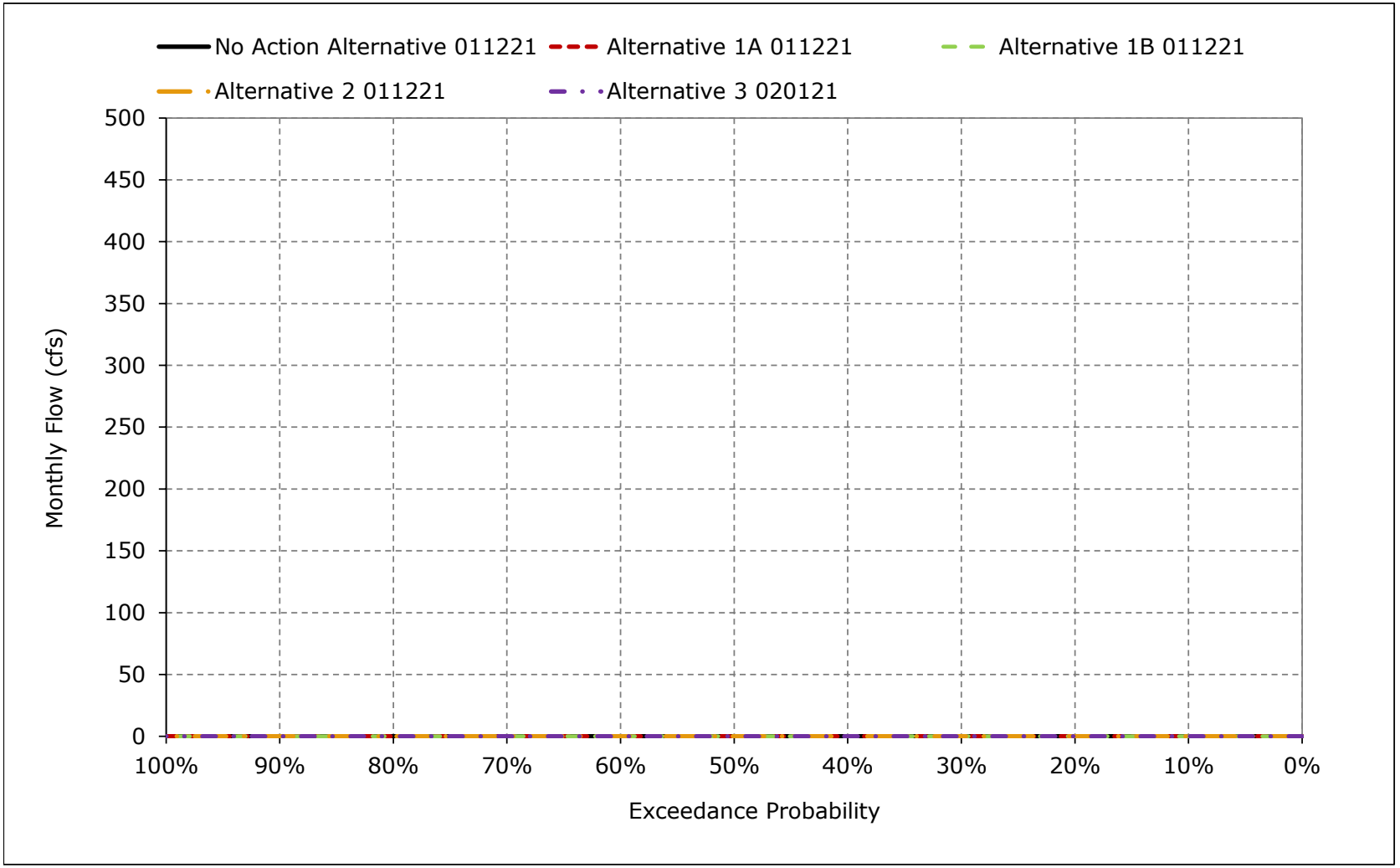


Figure 5B1-5-14. Sites Release to Yolo Bypass, May

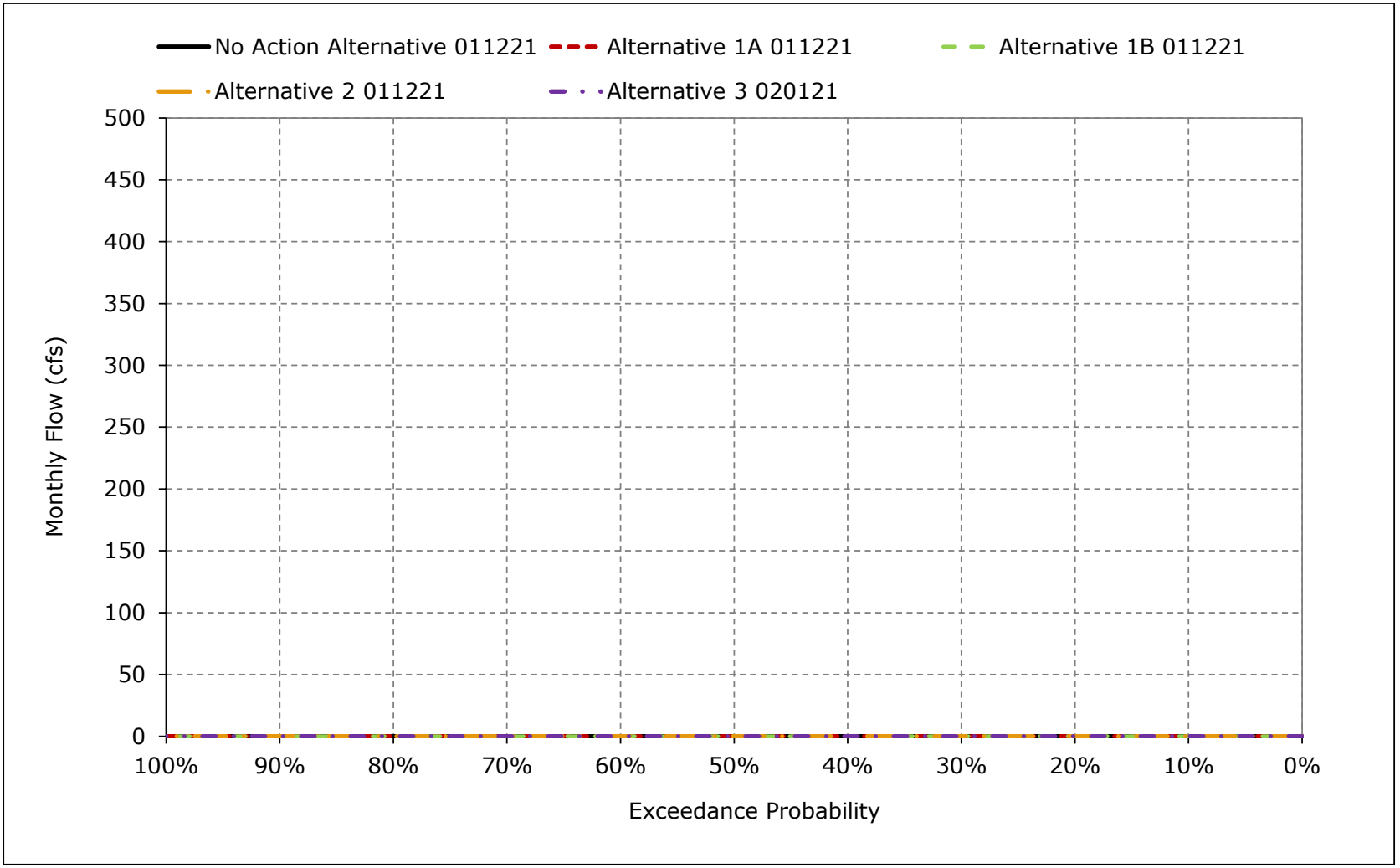


Figure 5B1-5-15. Sites Release to Yolo Bypass, June

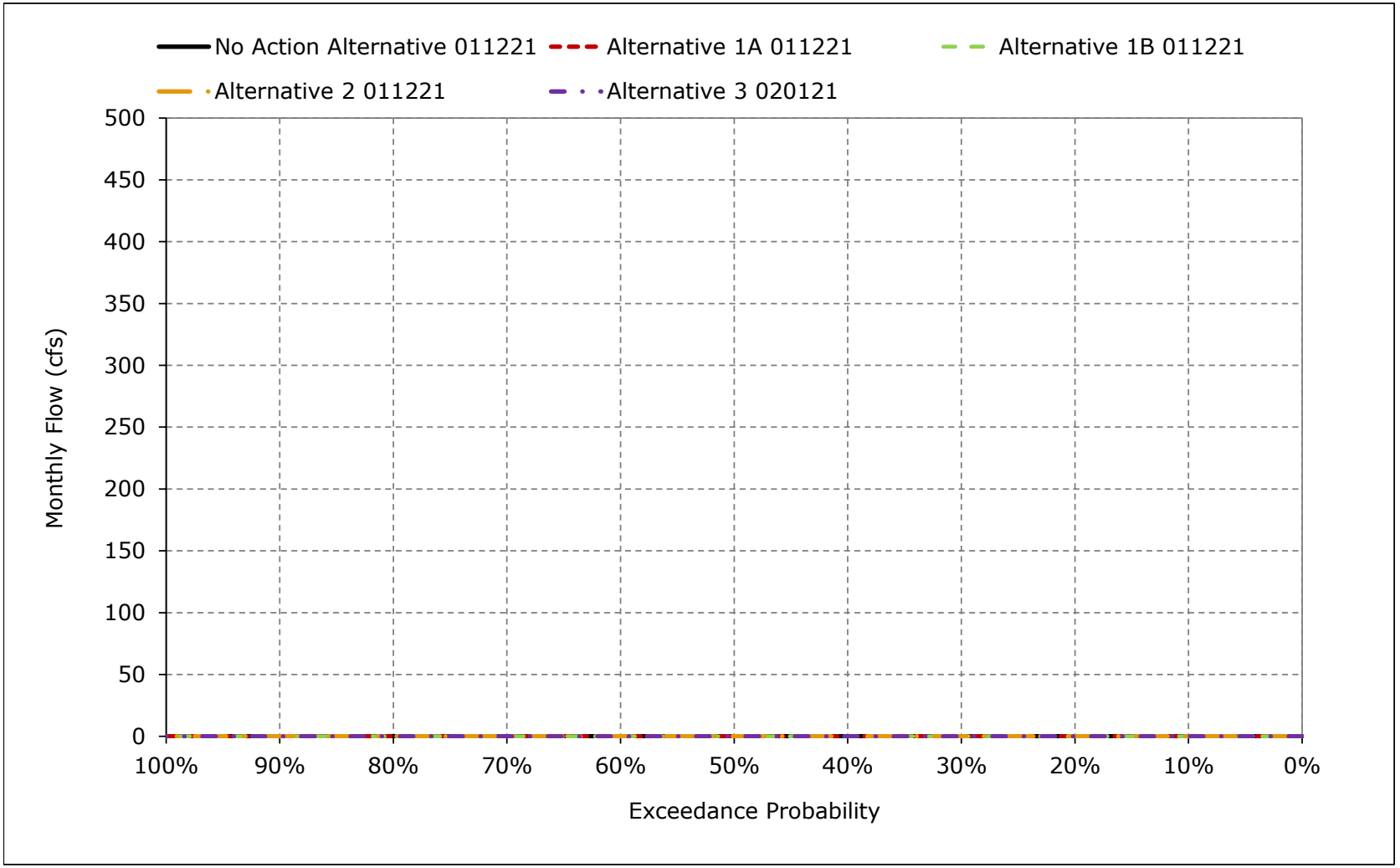


Figure 5B1-5-16. Sites Release to Yolo Bypass, July

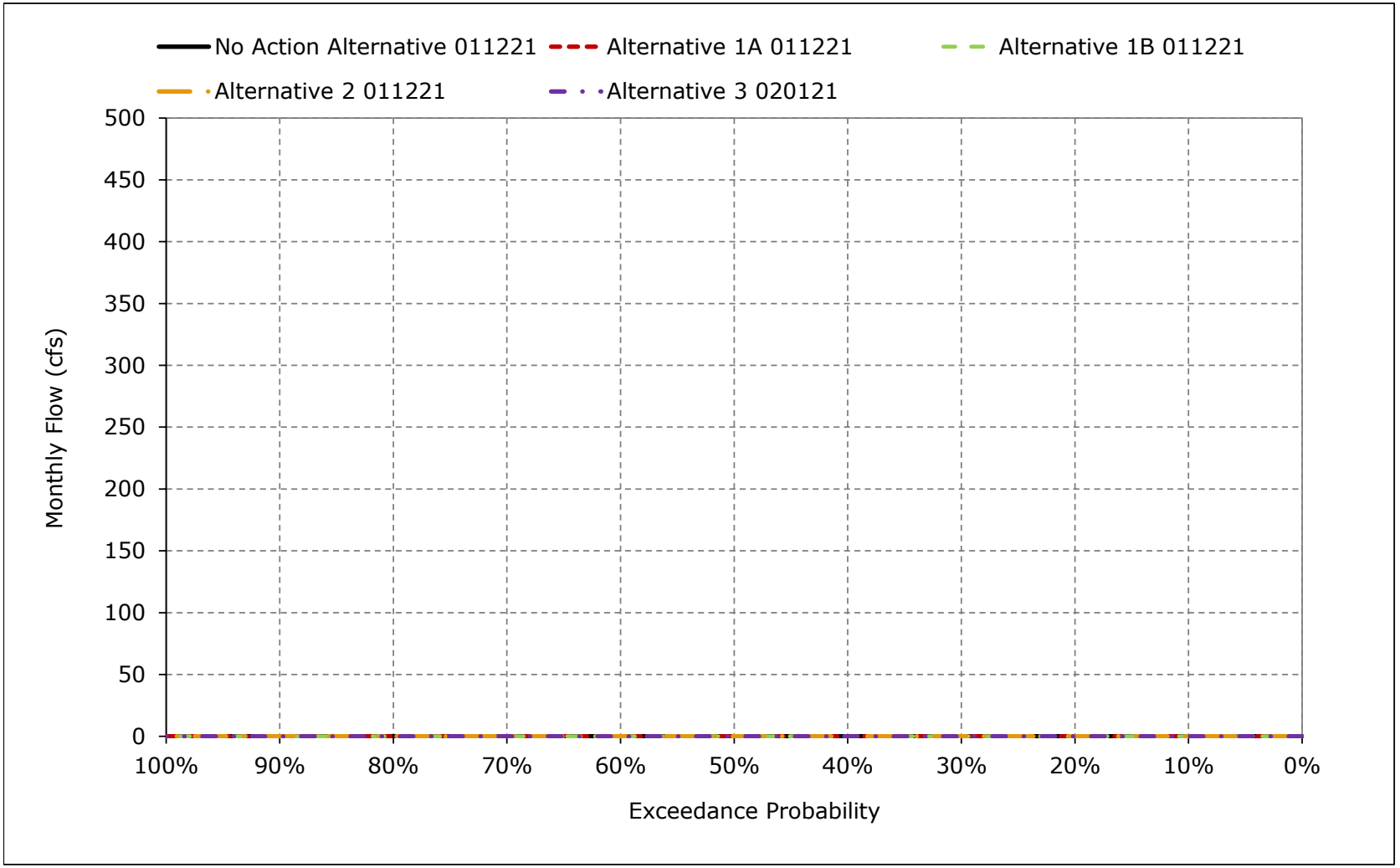


Figure 5B1-5-17. Sites Release to Yolo Bypass, August

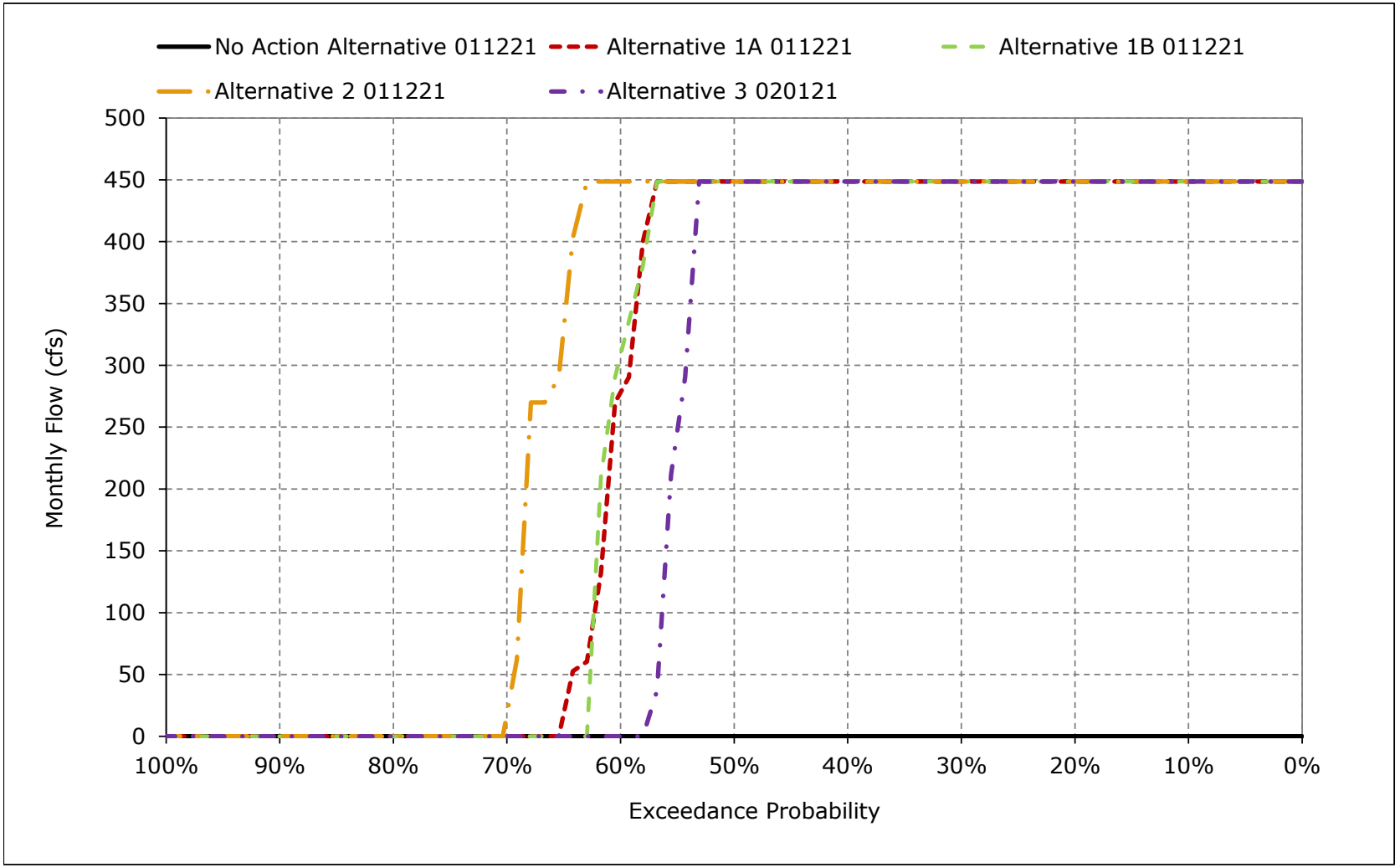


Figure 5B1-5-18. Sites Release to Yolo Bypass, September

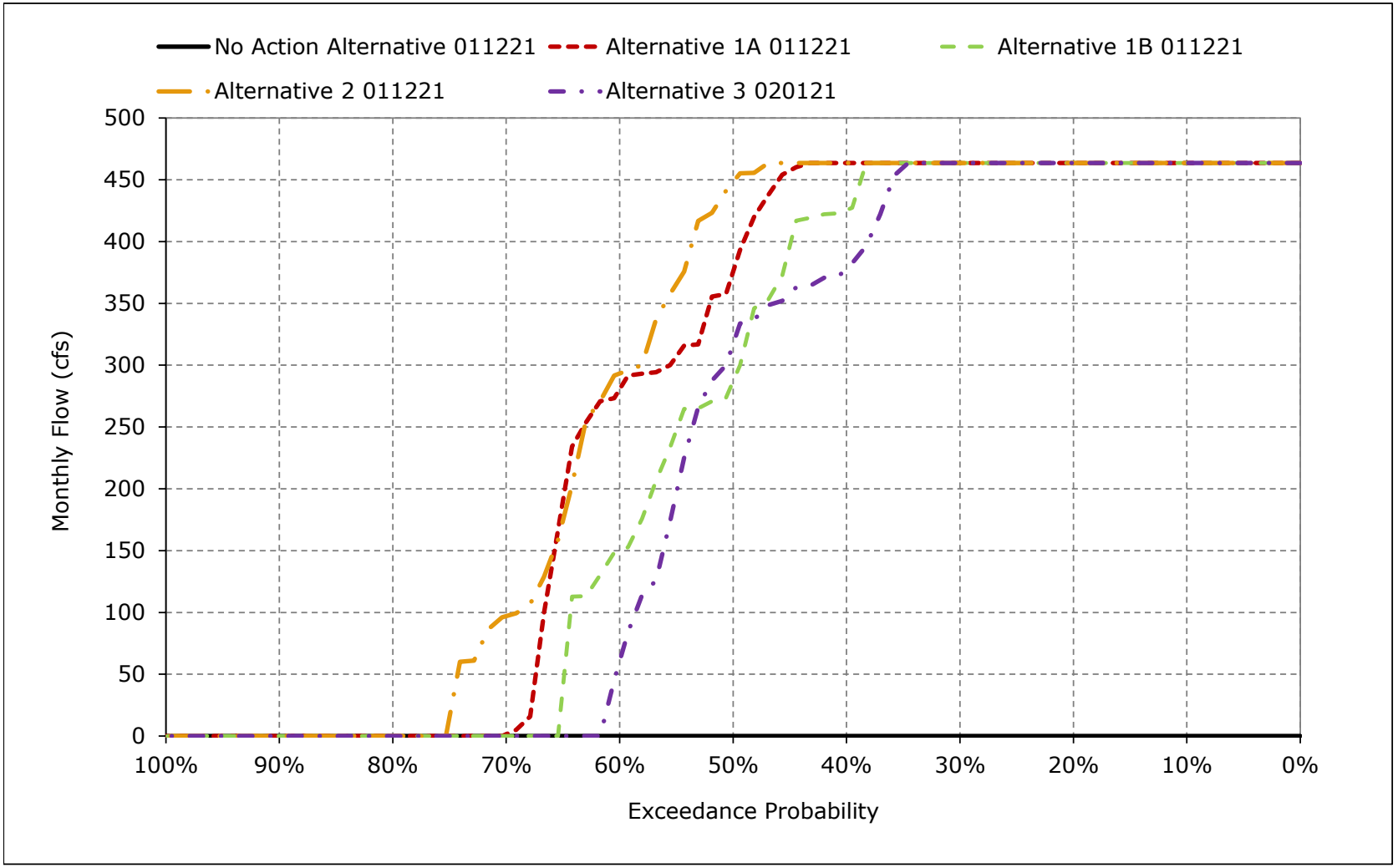


Table 5B1-6-1a. Total Sites Release, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-6-1b. Total Sites Release, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,000	957	114	0	0	30	271	586	1,445	2,213	1,885	1,410
20%	658	320	27	0	0	8	162	241	1,202	1,457	1,456	1,128
30%	481	72	27	0	0	3	79	120	345	1,051	1,117	890
40%	449	29	0	0	0	0	50	0	176	546	559	504
50%	387	0	0	0	0	0	35	0	96	178	493	481
60%	257	0	0	0	0	0	2	0	42	122	481	464
70%	90	0	0	0	0	0	0	0	34	41	449	412
80%	8	0	0	0	0	0	0	0	0	41	347	128
90%	0	0	0	0	0	0	0	0	0	41	41	44
Long Term												
Full Simulation Period[a]	401	191	27	0	0	13	114	224	451	707	791	622
Water Year Types[b,c]												
Wet (32%)	287	17	14	1	0	2	9	3	24	39	380	416
Above Normal (15%)	309	65	39	0	0	2	7	0	29	135	402	438
Below Normal (17%)	386	282	36	0	0	7	51	60	255	650	872	533
Dry (22%)	674	481	39	0	0	13	199	348	1,242	1,731	1,455	1,093
Critical (15%)	350	155	17	0	1	53	397	932	837	1,253	980	649

Table 5B1-6-1c. Total Sites Release, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,000	957	114	0	0	30	271	586	1,445	2,213	1,885	1,410
20%	658	320	27	0	0	8	162	241	1,202	1,457	1,456	1,128
30%	481	72	27	0	0	3	79	120	345	1,051	1,117	890
40%	449	29	0	0	0	0	50	0	176	546	559	504
50%	387	0	0	0	0	0	35	0	96	178	493	481
60%	257	0	0	0	0	0	2	0	42	122	481	464
70%	90	0	0	0	0	0	0	0	34	41	449	412
80%	8	0	0	0	0	0	0	0	0	41	347	128
90%	0	0	0	0	0	0	0	0	0	41	41	44
Long Term												
Full Simulation Period[a]	401	191	27	0	0	13	114	224	451	707	791	622
Water Year Types[b,c]												
Wet (32%)	287	17	14	1	0	2	9	3	24	39	380	416
Above Normal (15%)	309	65	39	0	0	2	7	0	29	135	402	438
Below Normal (17%)	386	282	36	0	0	7	51	60	255	650	872	533
Dry (22%)	674	481	39	0	0	13	199	348	1,242	1,731	1,455	1,093
Critical (15%)	350	155	17	0	1	53	397	932	837	1,253	980	649

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-6-2a. Total Sites Release, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-6-2b. Total Sites Release, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,022	581	195	0	0	62	430	1,090	1,559	2,121	1,837	1,354
20%	489	324	27	0	0	12	174	521	1,347	1,714	1,544	1,028
30%	449	283	27	0	0	3	79	253	976	1,061	1,129	621
40%	439	29	0	0	0	0	47	92	462	736	577	489
50%	293	29	0	0	0	0	35	0	199	435	490	464
60%	182	0	0	0	0	0	2	0	42	41	481	464
70%	90	0	0	0	0	0	0	0	36	41	449	301
80%	8	0	0	0	0	0	0	0	27	41	341	89
90%	0	0	0	0	0	0	0	0	0	41	41	42
Long Term												
Full Simulation Period[a]	373	203	59	7	7	20	154	315	590	744	796	562
Water Year Types[b,c]												
Wet (32%)	284	93	102	1	3	7	9	3	24	39	379	403
Above Normal (15%)	257	91	37	0	0	2	7	24	721	416	423	359
Below Normal (17%)	356	286	43	21	9	7	78	328	471	713	891	444
Dry (22%)	644	420	49	0	18	30	351	533	1,230	1,663	1,461	995
Critical (15%)	297	132	24	20	1	68	407	936	866	1,255	961	597

Table 5B1-6-2c. Total Sites Release, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,022	581	195	0	0	62	430	1,090	1,559	2,121	1,837	1,354
20%	489	324	27	0	0	12	174	521	1,347	1,714	1,544	1,028
30%	449	283	27	0	0	3	79	253	976	1,061	1,129	621
40%	439	29	0	0	0	0	47	92	462	736	577	489
50%	293	29	0	0	0	0	35	0	199	435	490	464
60%	182	0	0	0	0	0	2	0	42	41	481	464
70%	90	0	0	0	0	0	0	0	36	41	449	301
80%	8	0	0	0	0	0	0	0	27	41	341	89
90%	0	0	0	0	0	0	0	0	0	41	41	42
Long Term												
Full Simulation Period[a]	373	203	59	7	7	20	154	315	590	744	796	562
Water Year Types[b,c]												
Wet (32%)	284	93	102	1	3	7	9	3	24	39	379	403
Above Normal (15%)	257	91	37	0	0	2	7	24	721	416	423	359
Below Normal (17%)	356	286	43	21	9	7	78	328	471	713	891	444
Dry (22%)	644	420	49	0	18	30	351	533	1,230	1,663	1,461	995
Critical (15%)	297	132	24	20	1	68	407	936	866	1,255	961	597

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-6-3a. Total Sites Release, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-6-3b. Total Sites Release, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	919	382	161	0	0	23	272	587	1,398	2,078	1,819	1,414
20%	512	267	27	0	0	7	162	238	871	1,477	1,386	1,079
30%	459	42	27	0	0	2	79	120	334	1,044	1,090	527
40%	449	29	0	0	0	0	48	0	169	554	566	495
50%	364	0	0	0	0	0	35	0	100	189	503	478
60%	242	0	0	0	0	0	2	0	42	122	482	464
70%	100	0	0	0	0	0	0	0	34	41	455	447
80%	37	0	0	0	0	0	0	0	0	41	419	257
90%	0	0	0	0	0	0	0	0	0	41	41	65
Long Term												
Full Simulation Period[a]	383	158	29	0	0	11	114	219	418	695	781	603
Water Year Types[b,c]												
Wet (32%)	273	15	17	1	0	2	9	3	24	39	380	450
Above Normal (15%)	311	72	39	0	0	2	7	0	30	145	427	438
Below Normal (17%)	411	330	38	0	0	7	51	59	241	639	898	607
Dry (22%)	621	296	43	0	0	13	199	348	1,164	1,724	1,433	990
Critical (15%)	303	148	17	0	0	38	397	899	750	1,188	889	517

Table 5B1-6-3c. Total Sites Release, Alternative 2 011221 minus No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	919	382	161	0	0	23	272	587	1,398	2,078	1,819	1,414
20%	512	267	27	0	0	7	162	238	871	1,477	1,386	1,079
30%	459	42	27	0	0	2	79	120	334	1,044	1,090	527
40%	449	29	0	0	0	0	48	0	169	554	566	495
50%	364	0	0	0	0	0	35	0	100	189	503	478
60%	242	0	0	0	0	0	2	0	42	122	482	464
70%	100	0	0	0	0	0	0	0	34	41	455	447
80%	37	0	0	0	0	0	0	0	0	41	419	257
90%	0	0	0	0	0	0	0	0	0	41	41	65
Long Term												
Full Simulation Period[a]	383	158	29	0	0	11	114	219	418	695	781	603
Water Year Types[b,c]												
Wet (32%)	273	15	17	1	0	2	9	3	24	39	380	450
Above Normal (15%)	311	72	39	0	0	2	7	0	30	145	427	438
Below Normal (17%)	411	330	38	0	0	7	51	59	241	639	898	607
Dry (22%)	621	296	43	0	0	13	199	348	1,164	1,724	1,433	990
Critical (15%)	303	148	17	0	0	38	397	899	750	1,188	889	517

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-6-4a. Total Sites Release, No Action Alternative 011221, Monthly Flow (cfs)

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

Table 5B1-6-4b. Total Sites Release, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	992	326	195	0	0	64	411	1,410	2,166	2,462	1,998	1,293
20%	481	300	27	0	0	7	179	745	1,577	1,941	1,451	881
30%	449	127	27	0	0	1	112	320	1,442	1,679	1,210	496
40%	317	29	0	0	0	0	47	80	933	1,500	782	476
50%	286	0	0	0	0	0	32	0	274	1,017	489	464
60%	100	0	0	0	0	0	2	0	42	507	481	393
70%	40	0	0	0	0	0	0	0	35	41	449	269
80%	0	0	0	0	0	0	0	0	28	41	101	84
90%	0	0	0	0	0	0	0	0	0	38	0	28
Long Term												
Full Simulation Period[a]	339	147	53	4	9	33	146	384	778	1,052	831	498
Water Year Types[b,c]												
Wet (32%)	239	81	102	0	4	6	9	3	24	39	380	395
Above Normal (15%)	379	100	37	0	0	1	7	24	999	1,609	1,188	506
Below Normal (17%)	374	215	42	0	23	5	76	401	1,161	1,357	910	432
Dry (22%)	533	242	22	0	0	52	317	774	1,433	1,829	1,263	803
Critical (15%)	182	116	24	24	27	126	408	962	760	1,171	710	332

Table 5B1-6-4c. Total Sites Release, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

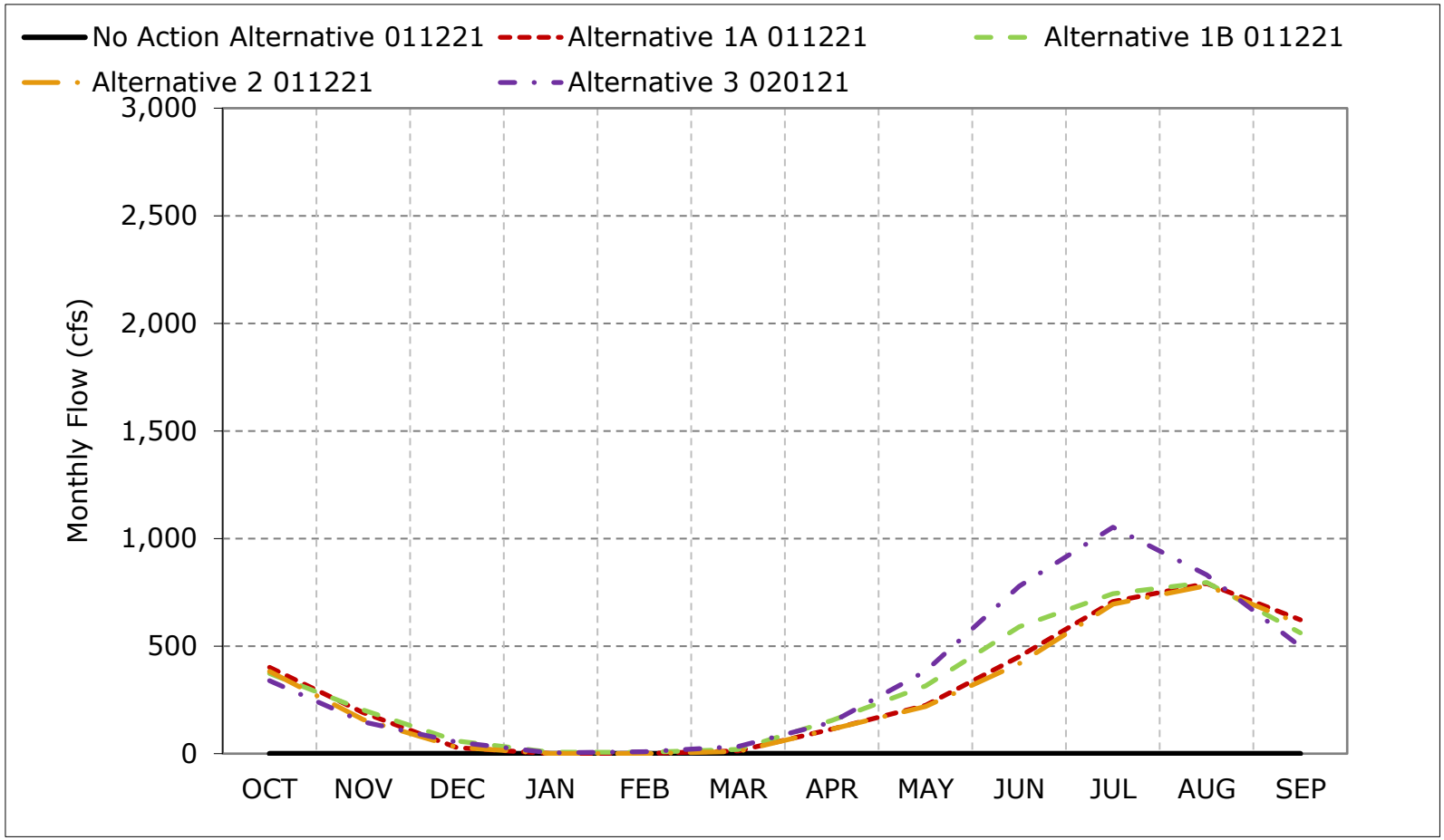
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	992	326	195	0	0	64	411	1,410	2,166	2,462	1,998	1,293
20%	481	300	27	0	0	7	179	745	1,577	1,941	1,451	881
30%	449	127	27	0	0	1	112	320	1,442	1,679	1,210	496
40%	317	29	0	0	0	0	47	80	933	1,500	782	476
50%	286	0	0	0	0	0	32	0	274	1,017	489	464
60%	100	0	0	0	0	0	2	0	42	507	481	393
70%	40	0	0	0	0	0	0	0	35	41	449	269
80%	0	0	0	0	0	0	0	0	28	41	101	84
90%	0	0	0	0	0	0	0	0	0	38	0	28
Long Term												
Full Simulation Period[a]	339	147	53	4	9	33	146	384	778	1,052	831	498
Water Year Types[b,c]												
Wet (32%)	239	81	102	0	4	6	9	3	24	39	380	395
Above Normal (15%)	379	100	37	0	0	1	7	24	999	1,609	1,188	506
Below Normal (17%)	374	215	42	0	23	5	76	401	1,161	1,357	910	432
Dry (22%)	533	242	22	0	0	52	317	774	1,433	1,829	1,263	803
Critical (15%)	182	116	24	24	27	126	408	962	760	1,171	710	332

a Based on the 82-year simulation period.

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

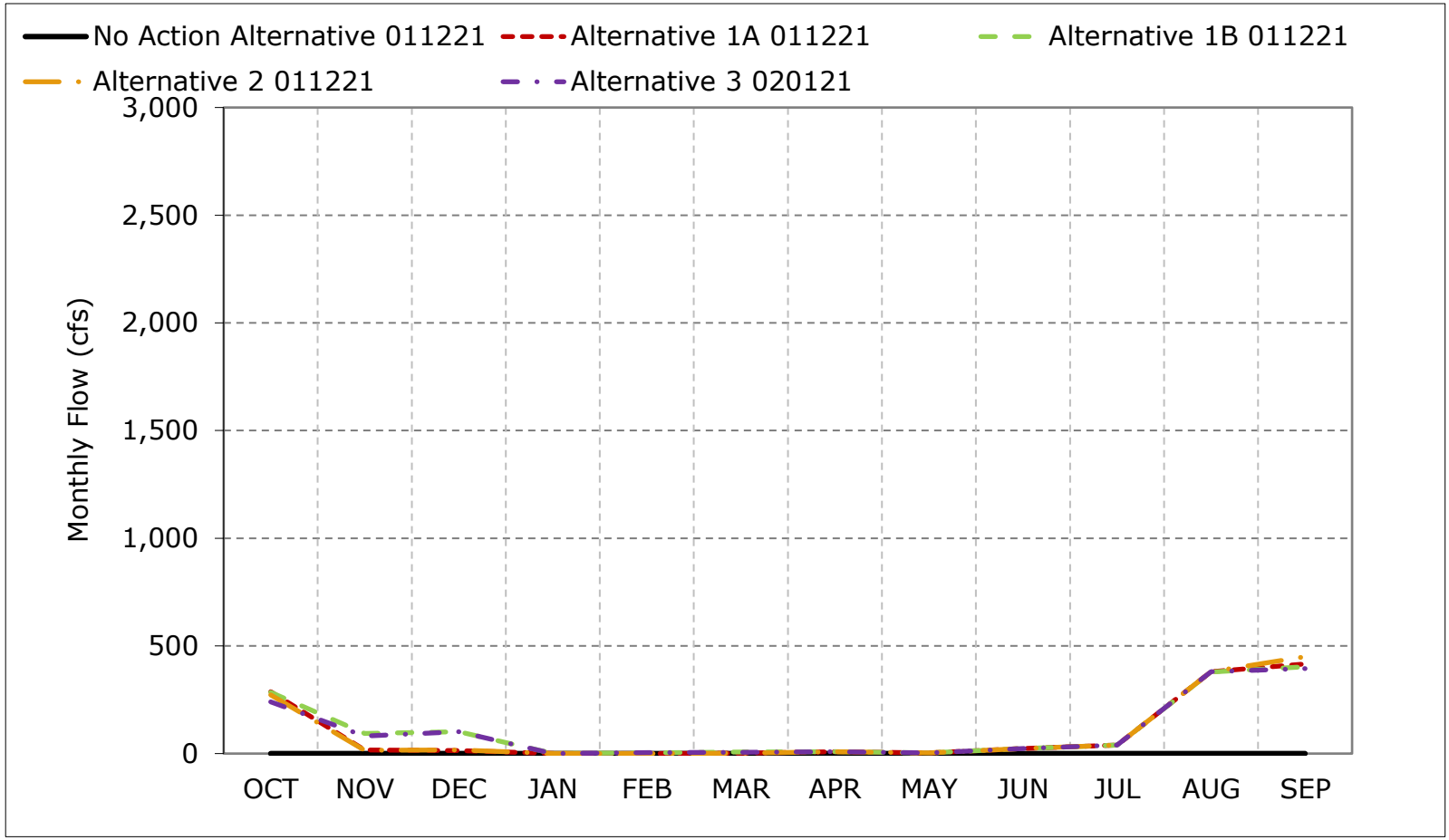
c These results are displayed with calendar year - year type sorting.

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



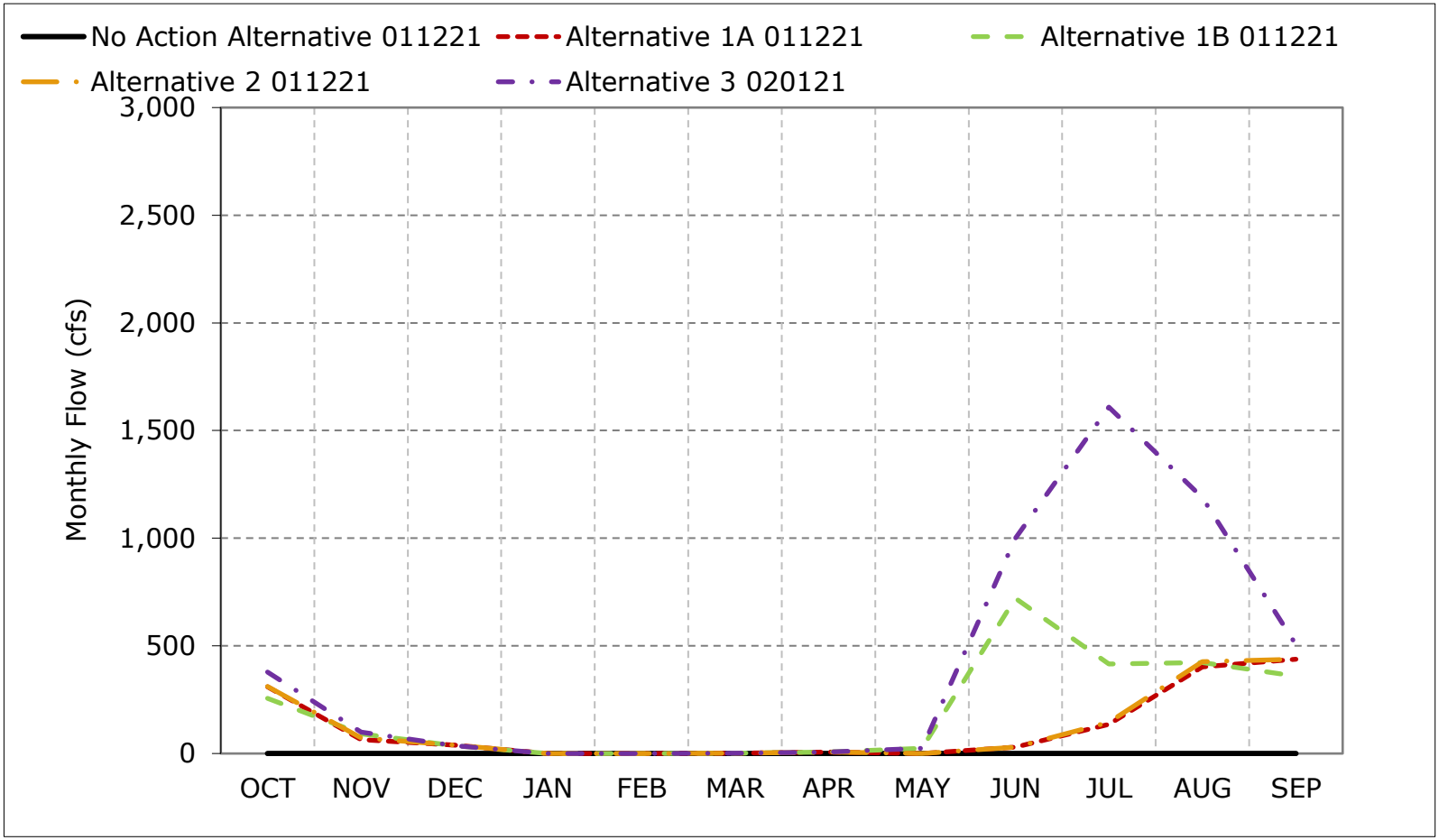
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



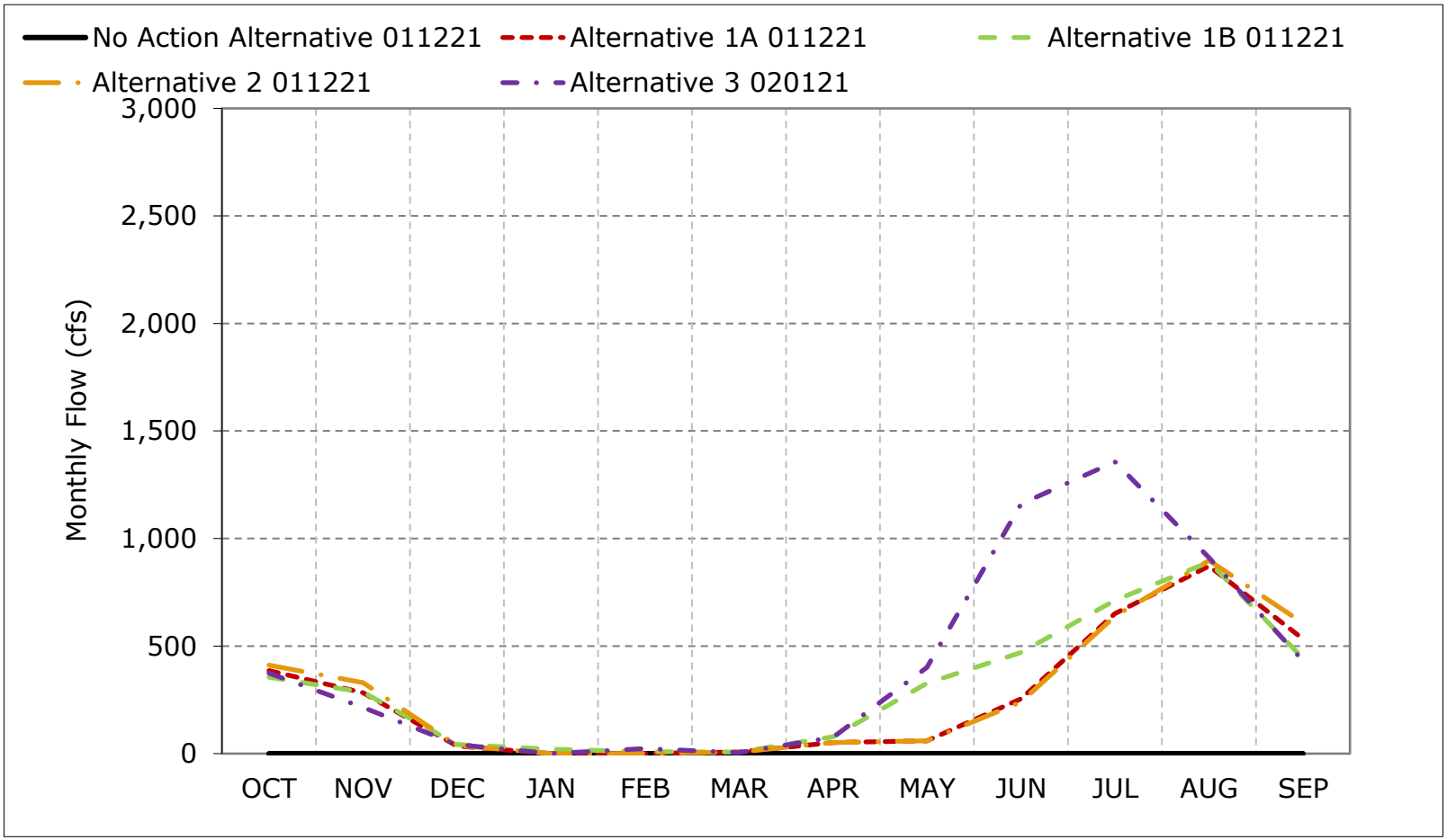
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



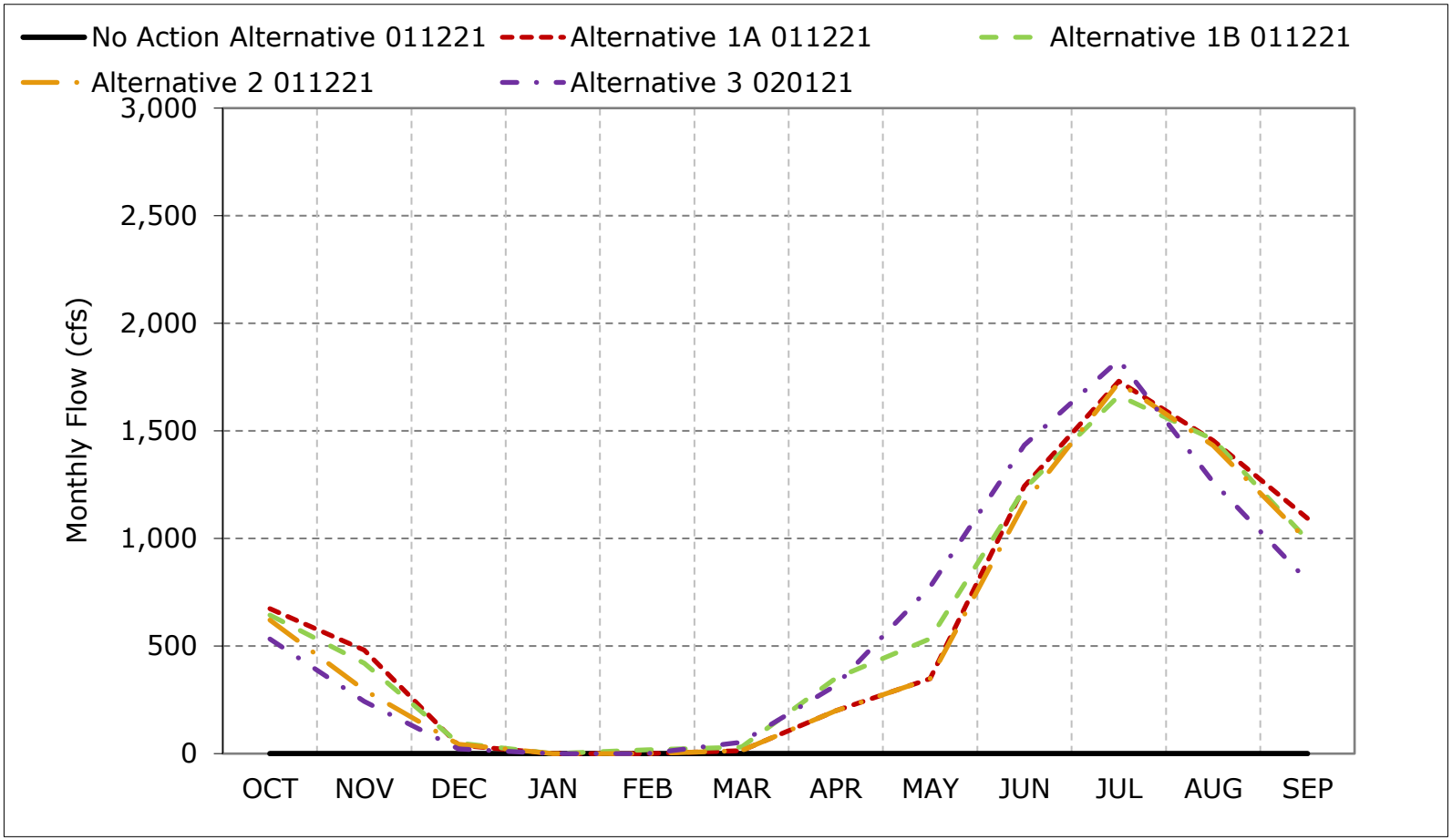
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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



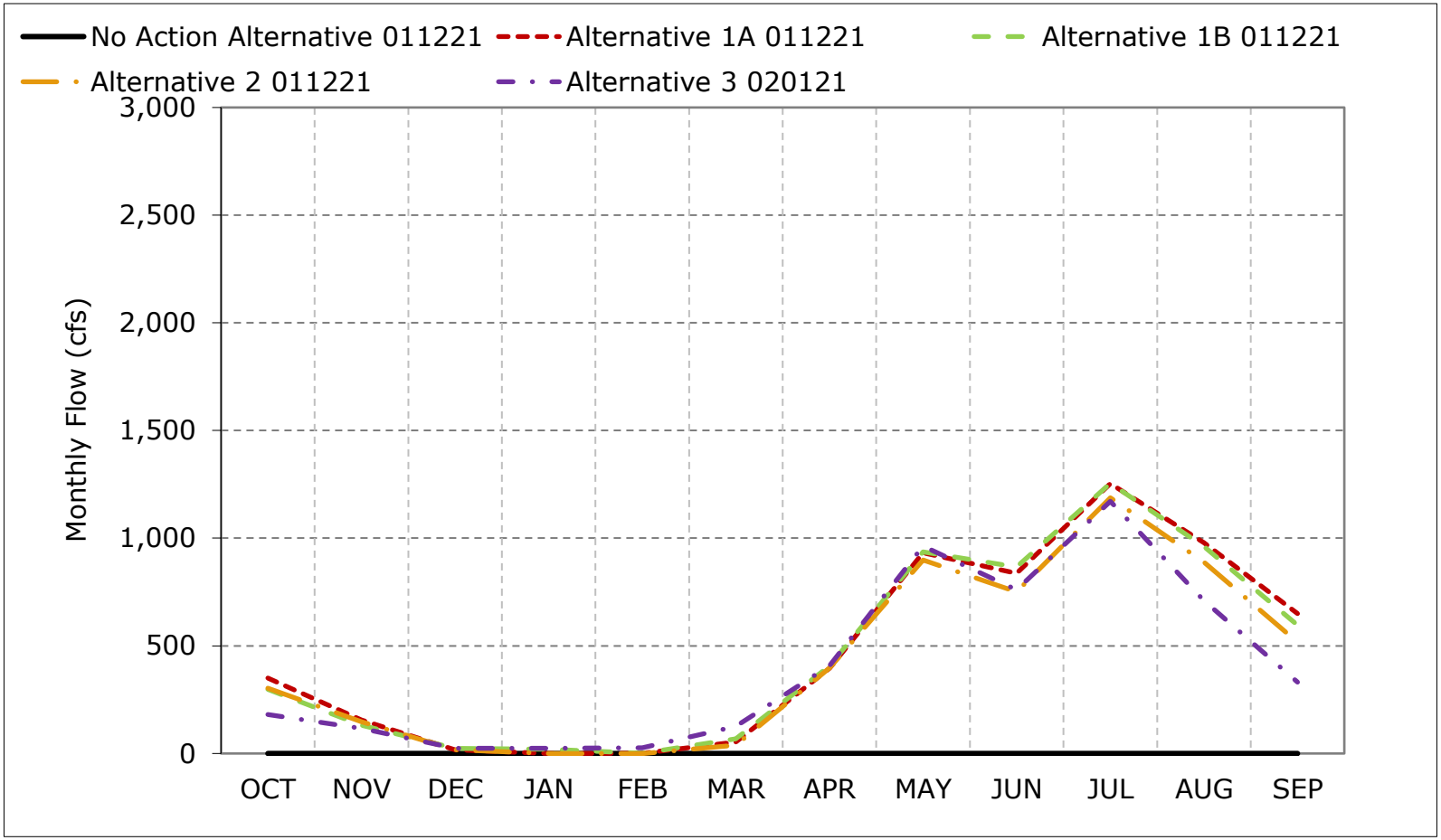
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

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.

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.

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

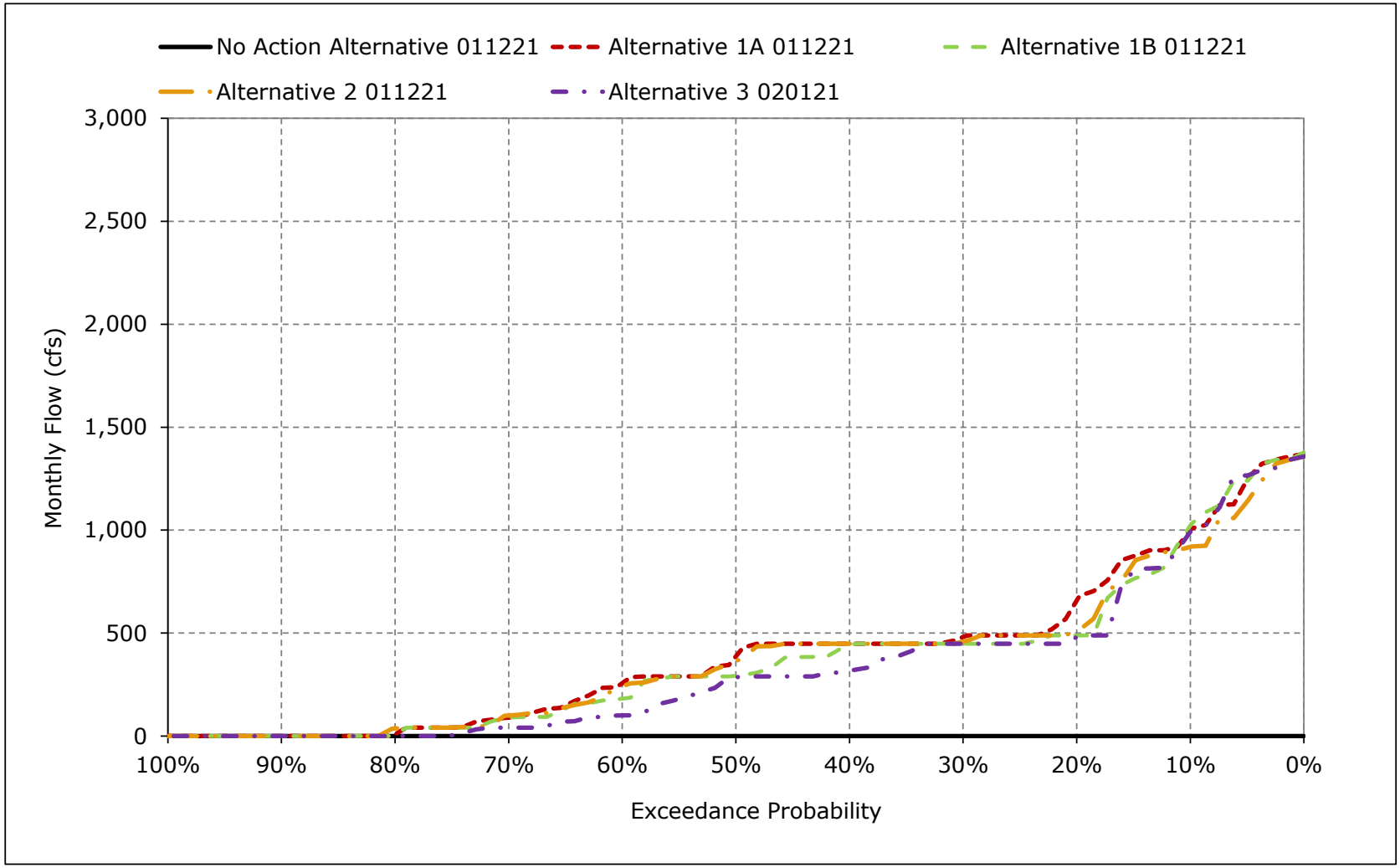


Figure 5B1-6-8. Total Sites Release, November

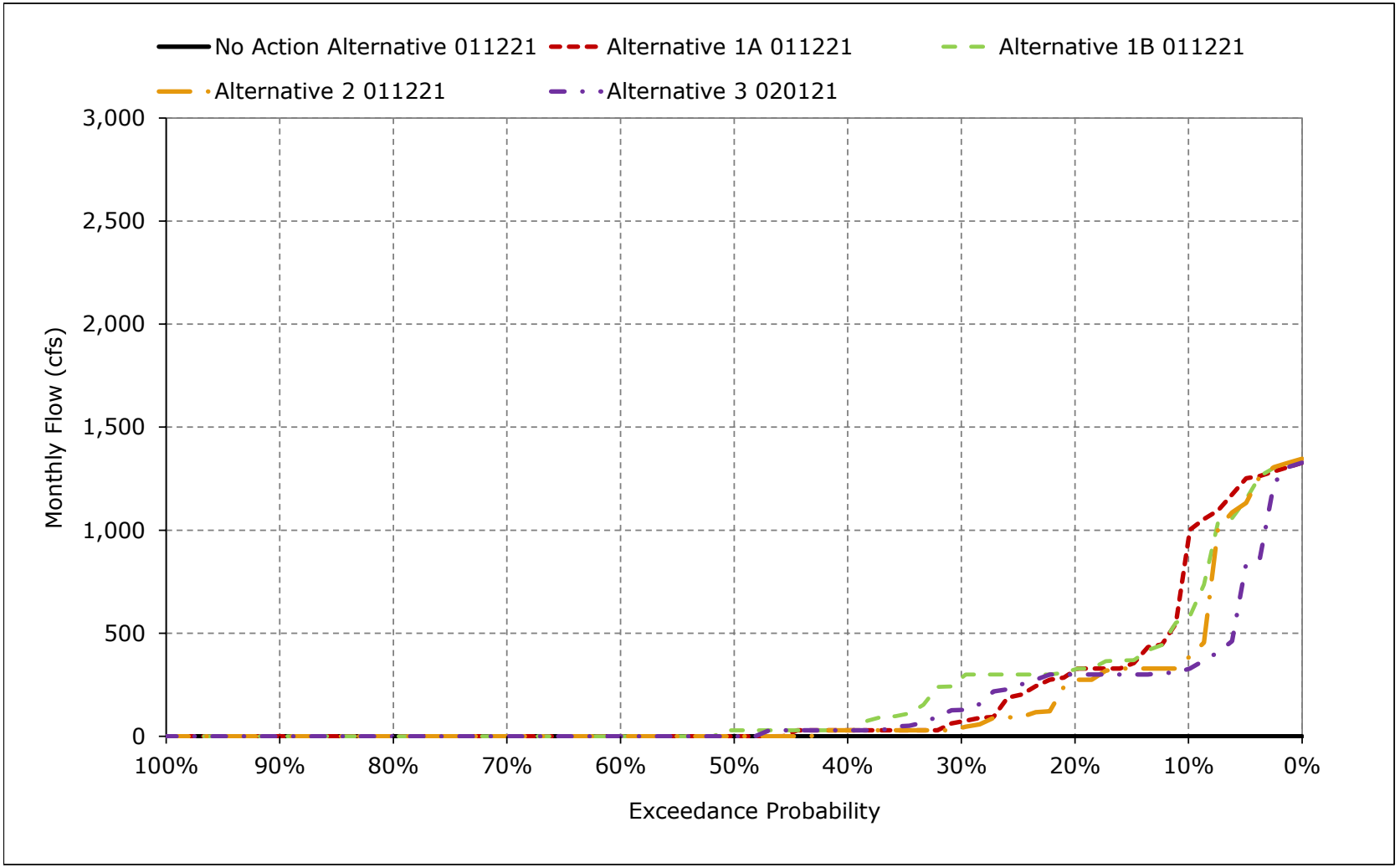


Figure 5B1-6-9. Total Sites Release, December

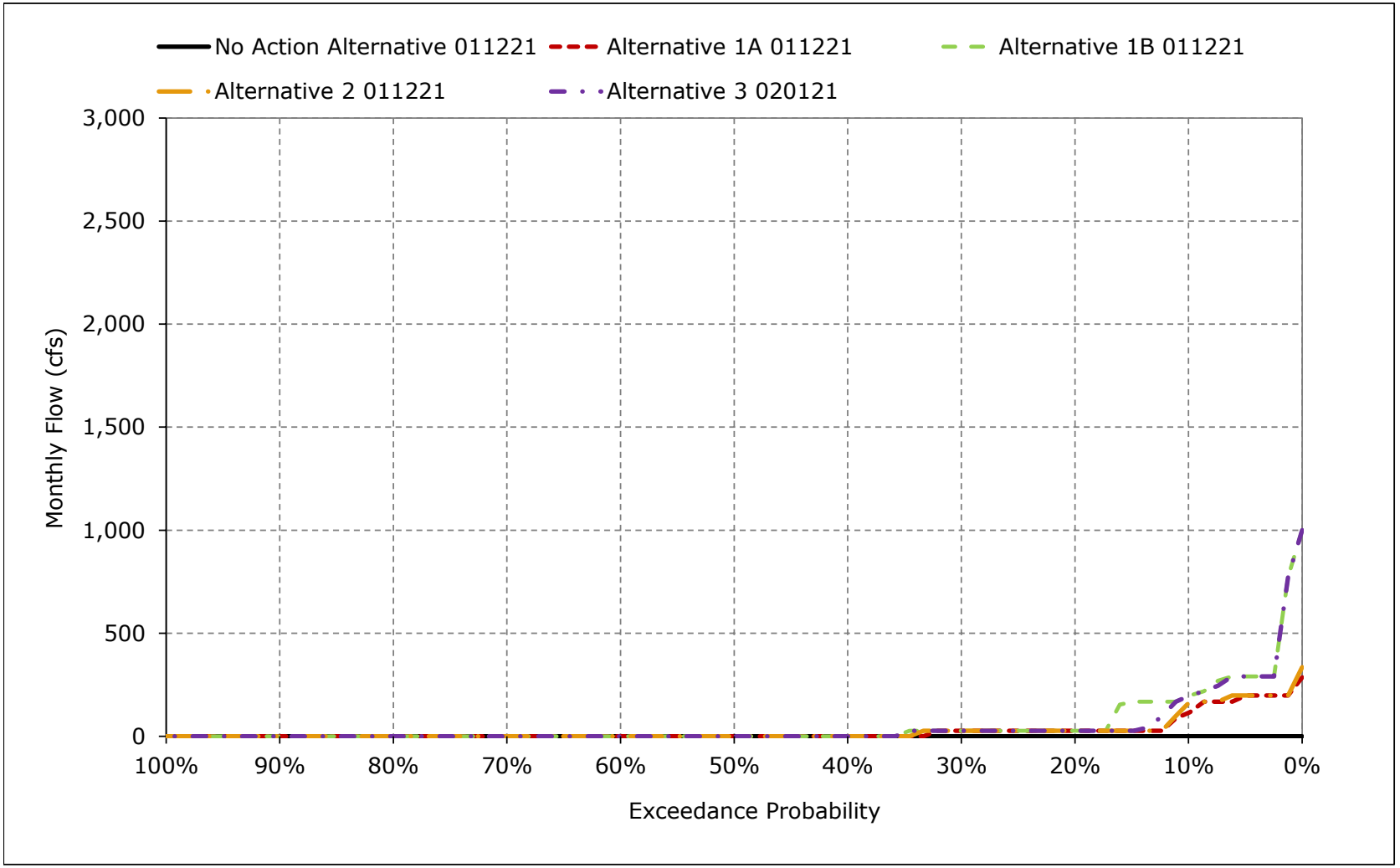


Figure 5B1-6-10. Total Sites Release, January

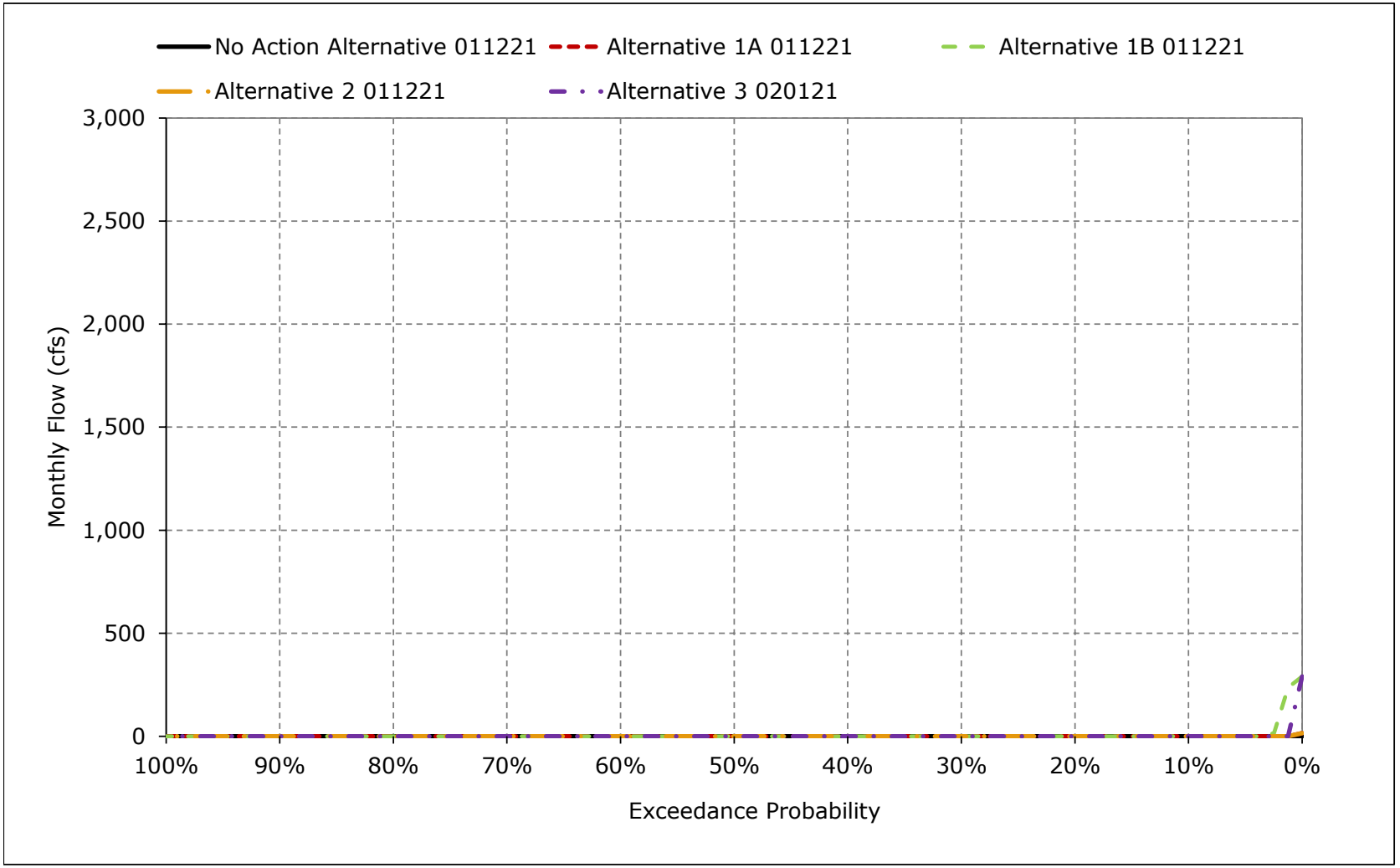


Figure 5B1-6-11. Total Sites Release, February

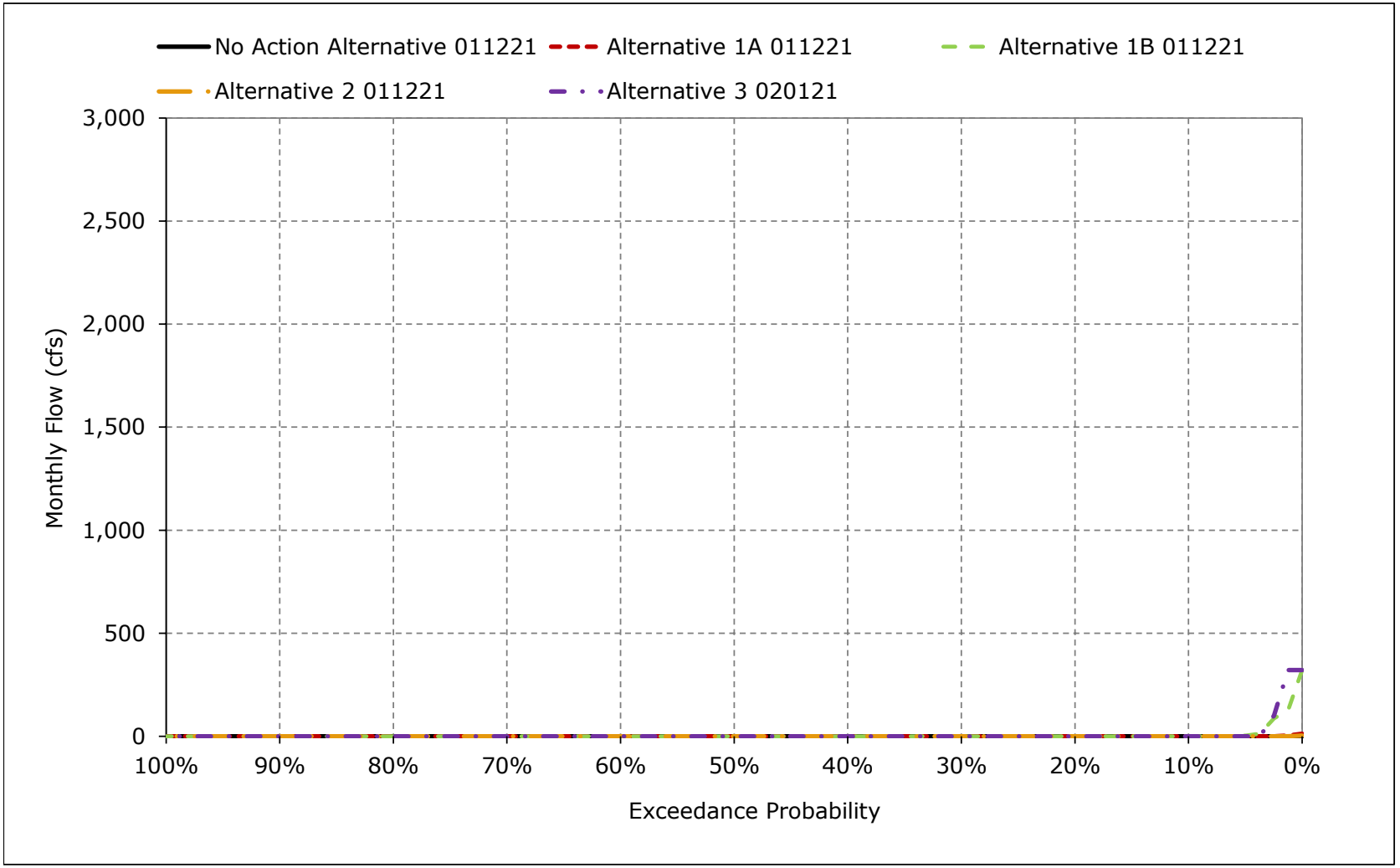


Figure 5B1-6-12. Total Sites Release, March

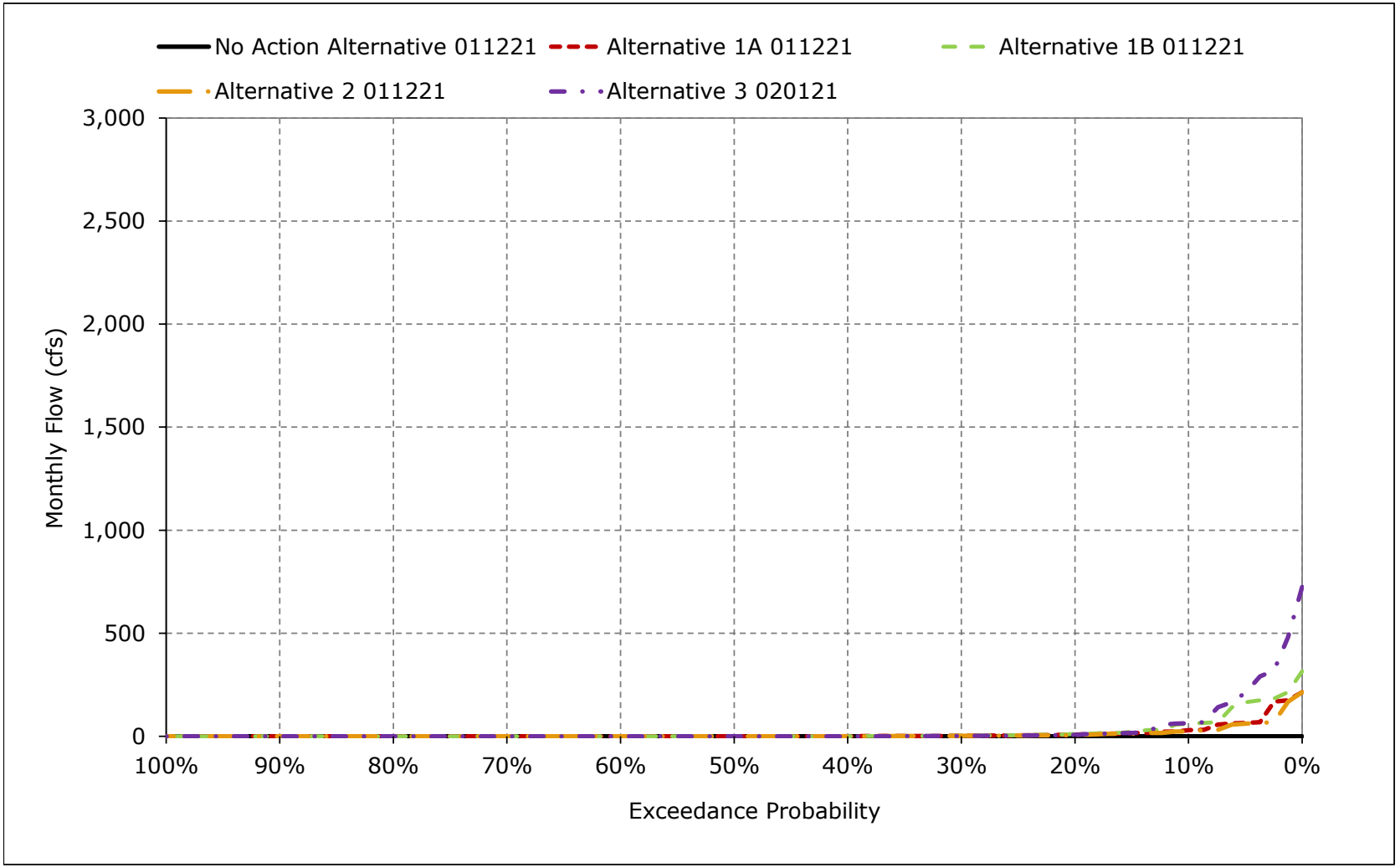


Figure 5B1-6-13. Total Sites Release, April

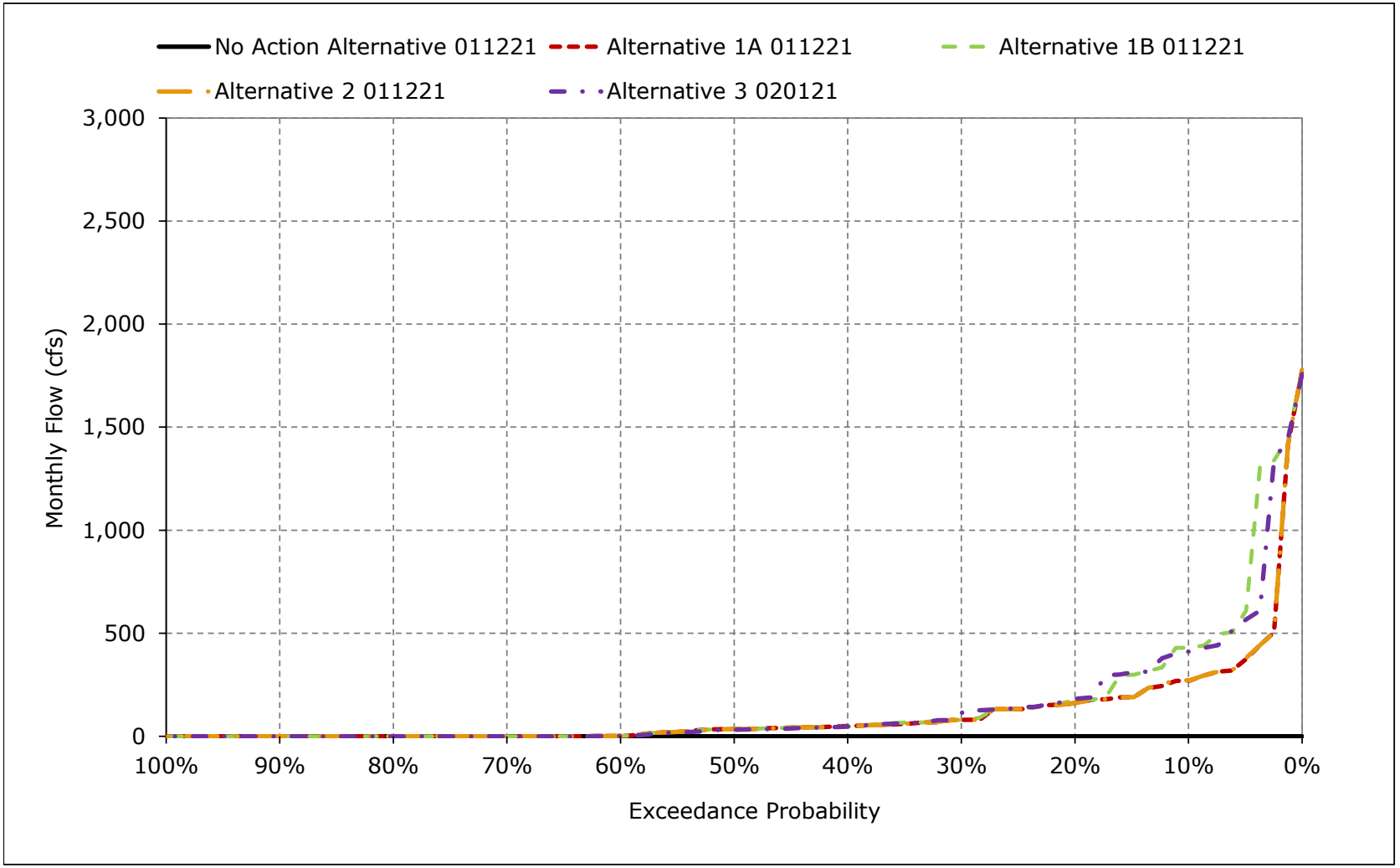


Figure 5B1-6-14. Total Sites Release, May

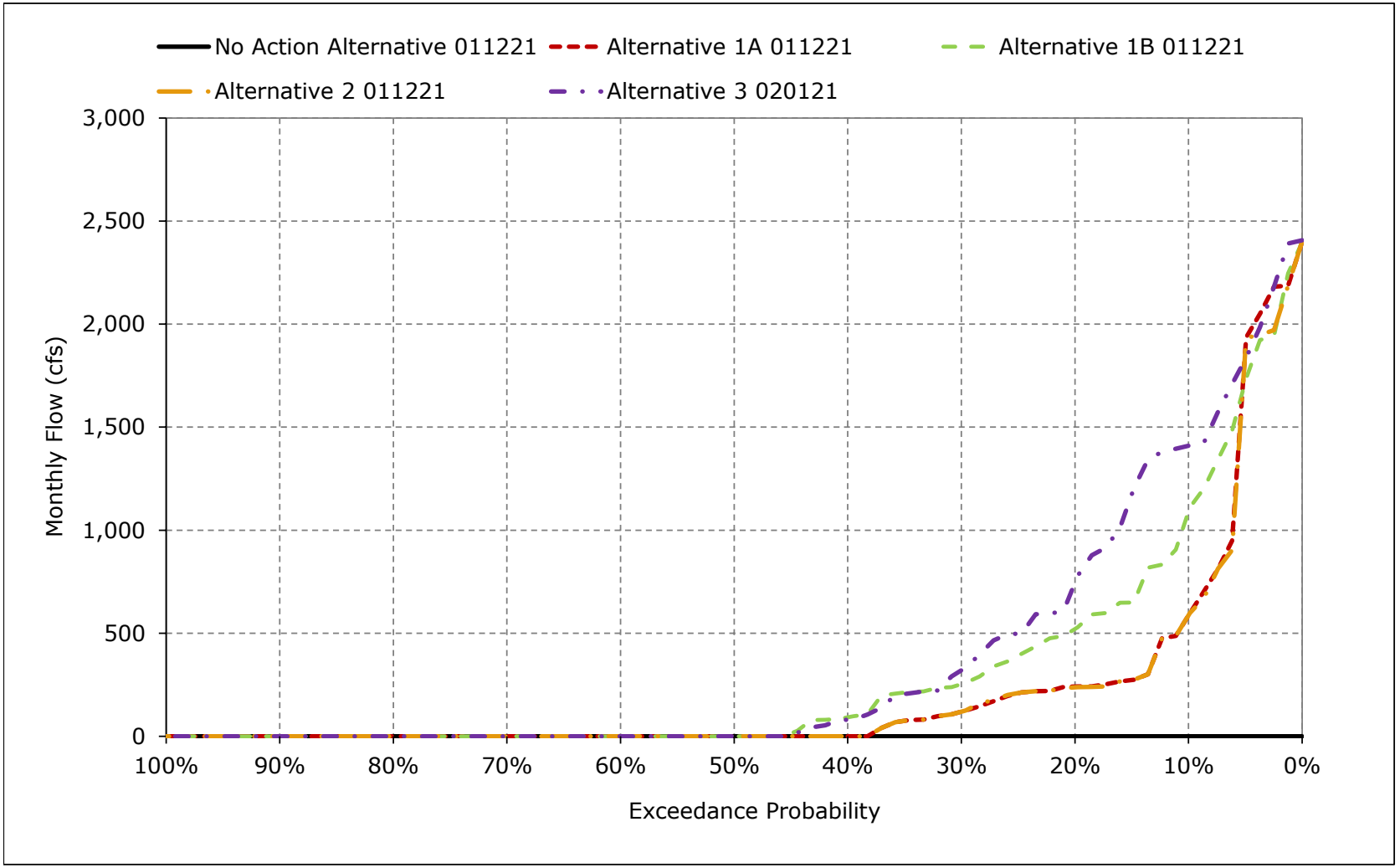


Figure 5B1-6-15. Total Sites Release, June

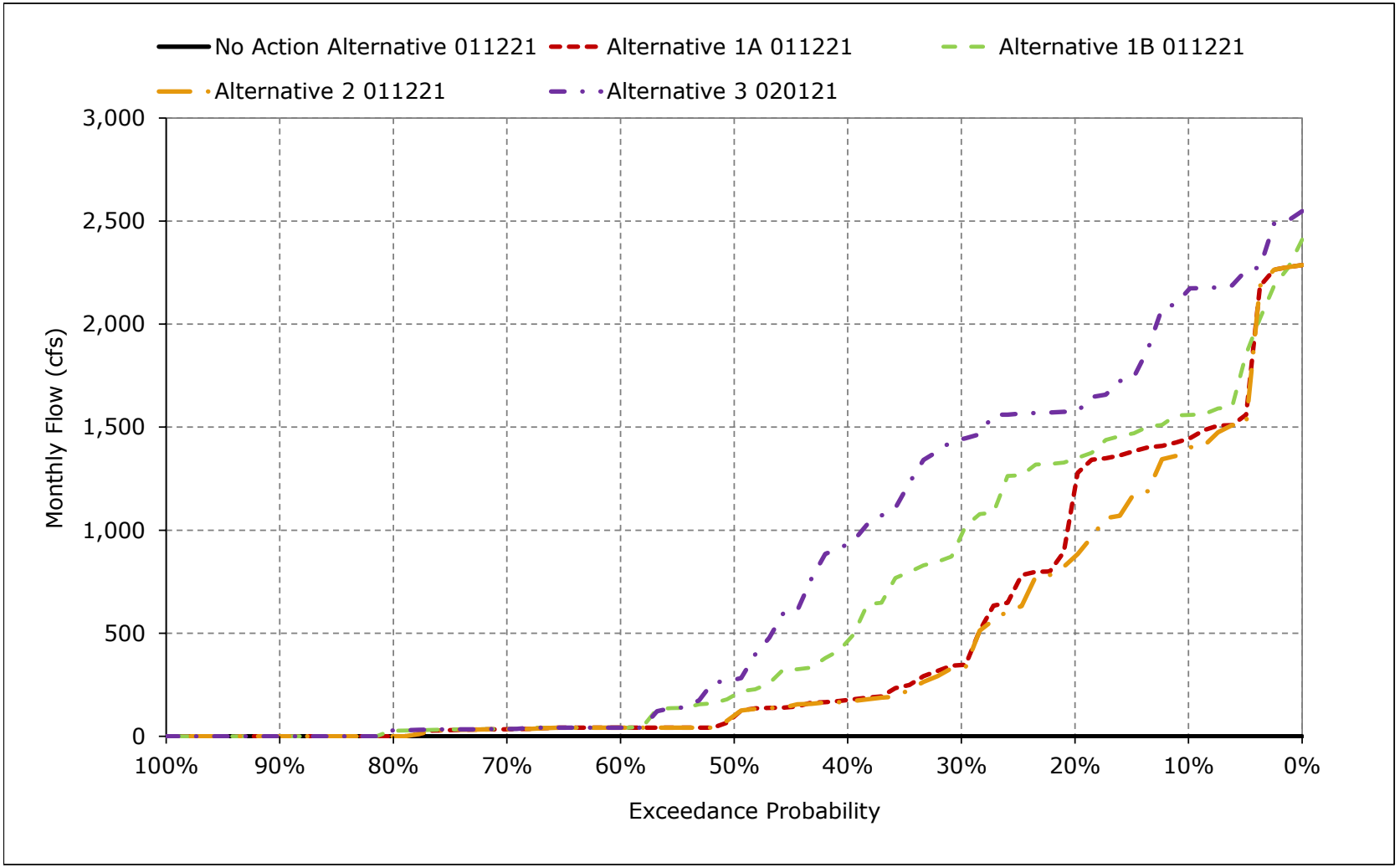


Figure 5B1-6-16. Total Sites Release, July

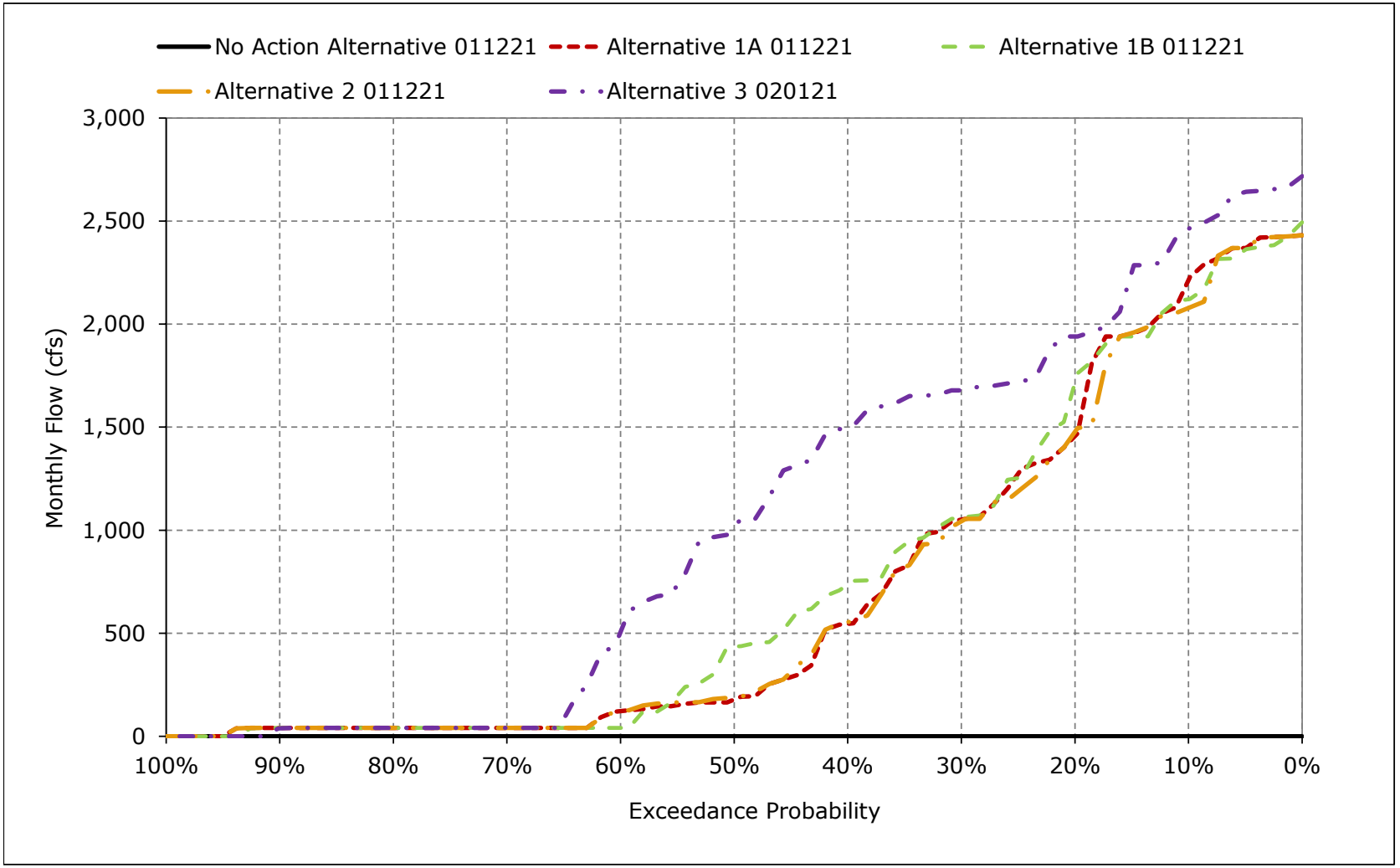


Figure 5B1-6-17. Total Sites Release, August

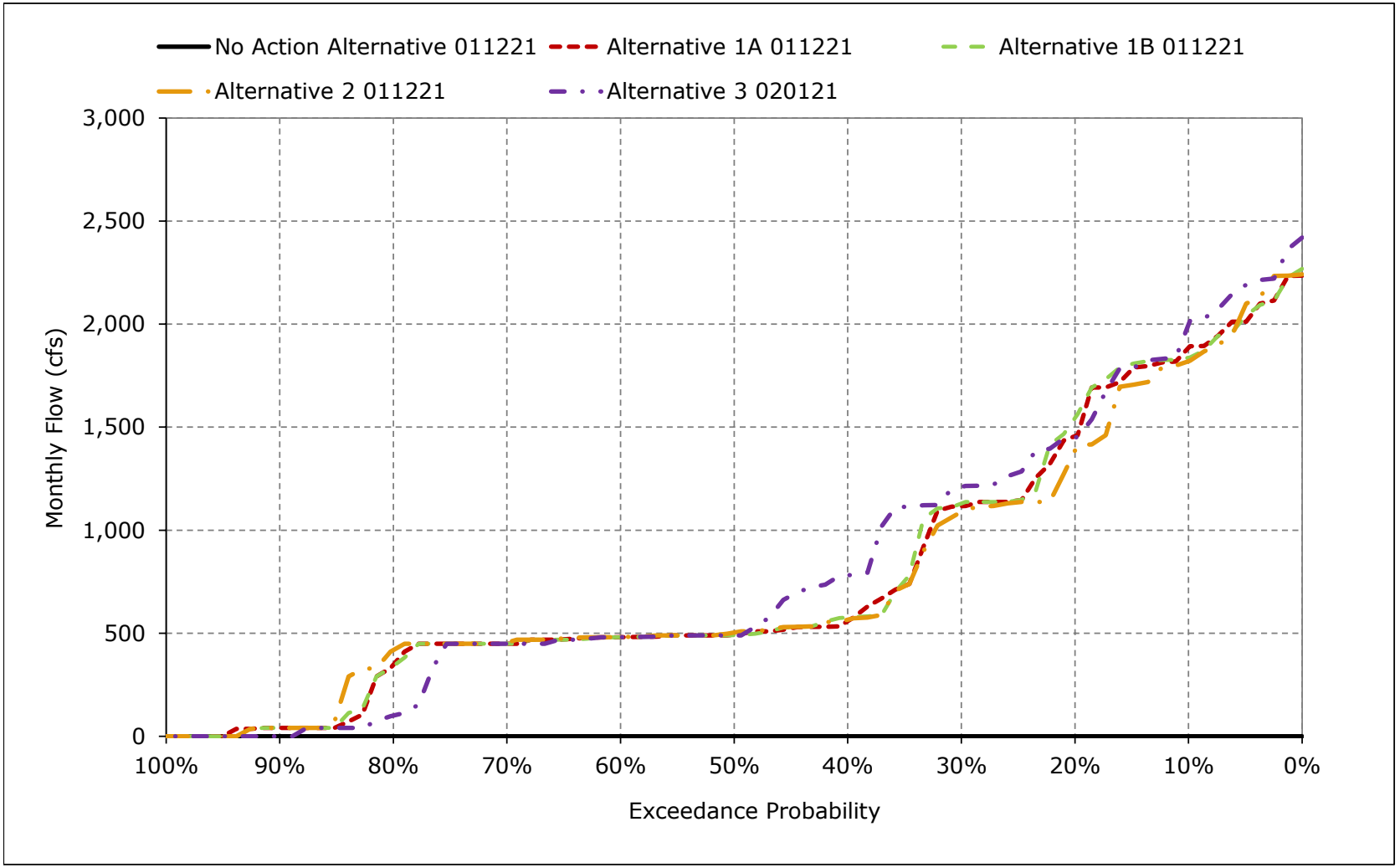


Figure 5B1-6-18. Total Sites Release, September

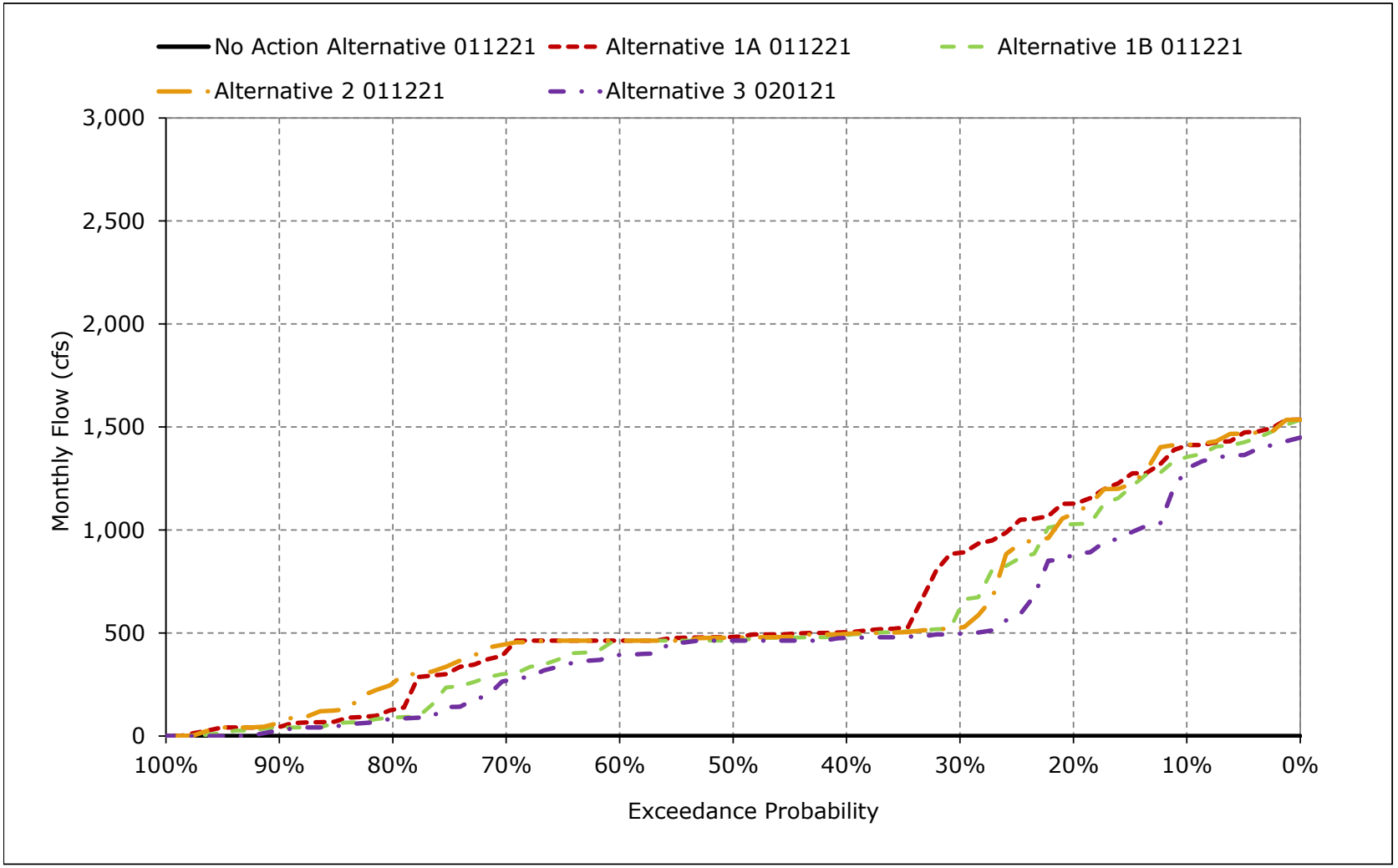


Table 5B1-7-1a. Sites Reservoir Storage, No Action Alternative 011221, End of Month Storage (TAF)

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

Table 5B1-7-1b. Sites Reservoir Storage, Alternative 1A 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,386	1,456	1,457	1,500	1,500	1,500	1,500	1,495	1,500	1,487	1,450	1,416
20%	1,371	1,369	1,372	1,447	1,500	1,500	1,496	1,488	1,479	1,465	1,431	1,396
30%	1,286	1,263	1,287	1,357	1,393	1,496	1,487	1,475	1,457	1,427	1,374	1,335
40%	1,069	1,059	1,095	1,113	1,197	1,392	1,420	1,382	1,302	1,200	1,158	1,118
50%	905	894	898	951	1,048	1,062	1,051	1,105	1,130	1,060	966	924
60%	780	806	809	843	886	933	950	967	894	873	836	803
70%	465	440	448	567	616	785	829	803	755	683	594	500
80%	279	224	317	357	481	616	619	614	542	440	356	304
90%	162	172	176	212	263	373	364	349	324	253	210	171
Long Term												
Full Simulation Period[a]	848	846	862	917	974	1,044	1,056	1,042	1,014	964	910	868
Water Year Types[b,c]												
Wet (32%)	1,306	1,326	1,329	1,175	1,257	1,325	1,373	1,381	1,382	1,374	1,347	1,318
Above Normal (15%)	1,063	1,072	1,080	920	999	1,125	1,140	1,139	1,140	1,123	1,090	1,058
Below Normal (17%)	744	728	755	789	851	931	937	929	914	866	806	770
Dry (22%)	540	514	539	888	921	985	970	944	863	749	653	584
Critical (15%)	225	216	244	551	559	577	551	490	436	353	289	248

Table 5B1-7-1c. Sites Reservoir Storage, Alternative 1A 011221 minus No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,386	1,456	1,457	1,500	1,500	1,500	1,500	1,495	1,500	1,487	1,450	1,416
20%	1,371	1,369	1,372	1,447	1,500	1,500	1,496	1,488	1,479	1,465	1,431	1,396
30%	1,286	1,263	1,287	1,357	1,393	1,496	1,487	1,475	1,457	1,427	1,374	1,335
40%	1,069	1,059	1,095	1,113	1,197	1,392	1,420	1,382	1,302	1,200	1,158	1,118
50%	905	894	898	951	1,048	1,062	1,051	1,105	1,130	1,060	966	924
60%	780	806	809	843	886	933	950	967	894	873	836	803
70%	465	440	448	567	616	785	829	803	755	683	594	500
80%	279	224	317	357	481	616	619	614	542	440	356	304
90%	162	172	176	212	263	373	364	349	324	253	210	171
Long Term												
Full Simulation Period[a]	848	846	862	917	974	1,044	1,056	1,042	1,014	964	910	868
Water Year Types[b,c]												
Wet (32%)	1,306	1,326	1,329	1,175	1,257	1,325	1,373	1,381	1,382	1,374	1,347	1,318
Above Normal (15%)	1,063	1,072	1,080	920	999	1,125	1,140	1,139	1,140	1,123	1,090	1,058
Below Normal (17%)	744	728	755	789	851	931	937	929	914	866	806	770
Dry (22%)	540	514	539	888	921	985	970	944	863	749	653	584
Critical (15%)	225	216	244	551	559	577	551	490	436	353	289	248

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-7-2a. Sites Reservoir Storage, No Action Alternative 011221, End of Month Storage (TAF)

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

Table 5B1-7-2b. Sites Reservoir Storage, Alternative 1B 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,391	1,442	1,437	1,499	1,500	1,500	1,499	1,493	1,498	1,485	1,449	1,415
20%	1,370	1,366	1,365	1,397	1,499	1,499	1,494	1,487	1,474	1,460	1,426	1,396
30%	1,208	1,205	1,208	1,302	1,367	1,469	1,468	1,399	1,374	1,336	1,289	1,253
40%	999	980	1,035	1,064	1,125	1,272	1,274	1,263	1,215	1,130	1,057	1,000
50%	788	780	783	859	939	963	959	1,036	1,043	991	868	818
60%	706	694	701	748	799	822	856	859	793	766	738	708
70%	354	328	372	437	527	681	755	729	686	553	468	379
80%	213	188	228	305	421	557	566	546	476	365	283	232
90%	144	144	158	194	247	357	346	323	299	231	168	153
Long Term												
Full Simulation Period[a]	792	789	804	861	923	995	1,006	988	953	900	846	808
Water Year Types[b,c]												
Wet (32%)	1,289	1,303	1,301	1,132	1,224	1,295	1,350	1,363	1,365	1,358	1,331	1,300
Above Normal (15%)	977	988	1,000	865	953	1,080	1,094	1,093	1,052	1,018	984	958
Below Normal (17%)	649	633	660	719	784	863	868	843	816	765	704	673
Dry (22%)	459	436	460	811	843	910	887	849	769	659	564	501
Critical (15%)	193	185	213	512	521	538	512	451	395	312	250	212

Table 5B1-7-2c. Sites Reservoir Storage, Alternative 1B 011221 minus No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,391	1,442	1,437	1,499	1,500	1,500	1,499	1,493	1,498	1,485	1,449	1,415
20%	1,370	1,366	1,365	1,397	1,499	1,499	1,494	1,487	1,474	1,460	1,426	1,396
30%	1,208	1,205	1,208	1,302	1,367	1,469	1,468	1,399	1,374	1,336	1,289	1,253
40%	999	980	1,035	1,064	1,125	1,272	1,274	1,263	1,215	1,130	1,057	1,000
50%	788	780	783	859	939	963	959	1,036	1,043	991	868	818
60%	706	694	701	748	799	822	856	859	793	766	738	708
70%	354	328	372	437	527	681	755	729	686	553	468	379
80%	213	188	228	305	421	557	566	546	476	365	283	232
90%	144	144	158	194	247	357	346	323	299	231	168	153
Long Term												
Full Simulation Period[a]	792	789	804	861	923	995	1,006	988	953	900	846	808
Water Year Types[b,c]												
Wet (32%)	1,289	1,303	1,301	1,132	1,224	1,295	1,350	1,363	1,365	1,358	1,331	1,300
Above Normal (15%)	977	988	1,000	865	953	1,080	1,094	1,093	1,052	1,018	984	958
Below Normal (17%)	649	633	660	719	784	863	868	843	816	765	704	673
Dry (22%)	459	436	460	811	843	910	887	849	769	659	564	501
Critical (15%)	193	185	213	512	521	538	512	451	395	312	250	212

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-7-3a. Sites Reservoir Storage, No Action Alternative 011221, End of Month Storage (TAF)

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

Table 5B1-7-3b. Sites Reservoir Storage, Alternative 2 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,162	1,227	1,229	1,270	1,270	1,270	1,270	1,265	1,270	1,258	1,221	1,188
20%	1,147	1,148	1,155	1,221	1,270	1,270	1,267	1,261	1,252	1,238	1,208	1,173
30%	1,117	1,108	1,119	1,145	1,213	1,270	1,261	1,256	1,237	1,220	1,186	1,150
40%	939	931	972	1,036	1,111	1,228	1,223	1,190	1,150	1,082	1,004	956
50%	757	777	774	834	859	974	991	990	966	918	846	776
60%	654	623	618	670	714	791	870	825	813	768	706	663
70%	323	309	373	437	543	674	706	692	651	518	403	338
80%	201	201	240	308	436	552	544	524	480	381	268	227
90%	156	163	173	244	267	353	342	329	306	238	176	165
Long Term												
Full Simulation Period[a]	715	715	732	786	841	906	915	902	876	827	774	733
Water Year Types[b,c]												
Wet (32%)	1,110	1,129	1,132	1,008	1,084	1,139	1,180	1,188	1,189	1,182	1,153	1,120
Above Normal (15%)	962	970	978	812	891	1,016	1,031	1,031	1,031	1,014	980	949
Below Normal (17%)	615	600	627	664	726	805	812	804	791	744	682	642
Dry (22%)	410	395	419	743	776	836	822	795	720	607	513	450
Critical (15%)	189	180	209	485	493	512	486	427	378	300	242	209

Table 5B1-7-3c. Sites Reservoir Storage, Alternative 2 011221 minus No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,162	1,227	1,229	1,270	1,270	1,270	1,270	1,265	1,270	1,258	1,221	1,188
20%	1,147	1,148	1,155	1,221	1,270	1,270	1,267	1,261	1,252	1,238	1,208	1,173
30%	1,117	1,108	1,119	1,145	1,213	1,270	1,261	1,256	1,237	1,220	1,186	1,150
40%	939	931	972	1,036	1,111	1,228	1,223	1,190	1,150	1,082	1,004	956
50%	757	777	774	834	859	974	991	990	966	918	846	776
60%	654	623	618	670	714	791	870	825	813	768	706	663
70%	323	309	373	437	543	674	706	692	651	518	403	338
80%	201	201	240	308	436	552	544	524	480	381	268	227
90%	156	163	173	244	267	353	342	329	306	238	176	165
Long Term												
Full Simulation Period[a]	715	715	732	786	841	906	915	902	876	827	774	733
Water Year Types[b,c]												
Wet (32%)	1,110	1,129	1,132	1,008	1,084	1,139	1,180	1,188	1,189	1,182	1,153	1,120
Above Normal (15%)	962	970	978	812	891	1,016	1,031	1,031	1,031	1,014	980	949
Below Normal (17%)	615	600	627	664	726	805	812	804	791	744	682	642
Dry (22%)	410	395	419	743	776	836	822	795	720	607	513	450
Critical (15%)	189	180	209	485	493	512	486	427	378	300	242	209

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-7-4a. Sites Reservoir Storage, No Action Alternative 011221, End of Month Storage (TAF)

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

Table 5B1-7-4b. Sites Reservoir Storage, Alternative 3 020121, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,388	1,447	1,439	1,500	1,500	1,500	1,498	1,493	1,496	1,484	1,448	1,413
20%	1,365	1,357	1,365	1,378	1,485	1,500	1,493	1,487	1,473	1,460	1,422	1,391
30%	1,014	1,002	1,026	1,078	1,153	1,344	1,433	1,384	1,264	1,159	1,082	1,042
40%	812	791	800	825	976	1,098	1,107	1,078	1,044	948	861	826
50%	616	622	649	739	796	933	944	955	862	772	653	621
60%	500	496	494	575	600	705	761	771	708	647	605	551
70%	213	223	287	379	486	603	606	552	464	360	271	220
80%	171	170	181	257	368	458	468	454	399	272	190	177
90%	118	117	141	171	213	288	281	278	239	174	144	127
Long Term												
Full Simulation Period[a]	701	703	720	778	843	922	938	918	873	802	746	713
Water Year Types[b,c]												
Wet (32%)	1,267	1,282	1,280	1,057	1,152	1,245	1,315	1,333	1,338	1,330	1,304	1,276
Above Normal (15%)	796	811	836	805	901	1,035	1,050	1,048	991	884	804	769
Below Normal (17%)	503	494	523	648	720	800	806	776	709	618	557	527
Dry (22%)	328	315	340	679	713	779	758	705	614	495	412	361
Critical (15%)	169	162	190	446	453	464	438	375	326	249	202	180

Table 5B1-7-4c. Sites Reservoir Storage, Alternative 3 020121 minus No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,388	1,447	1,439	1,500	1,500	1,500	1,498	1,493	1,496	1,484	1,448	1,413
20%	1,365	1,357	1,365	1,378	1,485	1,500	1,493	1,487	1,473	1,460	1,422	1,391
30%	1,014	1,002	1,026	1,078	1,153	1,344	1,433	1,384	1,264	1,159	1,082	1,042
40%	812	791	800	825	976	1,098	1,107	1,078	1,044	948	861	826
50%	616	622	649	739	796	933	944	955	862	772	653	621
60%	500	496	494	575	600	705	761	771	708	647	605	551
70%	213	223	287	379	486	603	606	552	464	360	271	220
80%	171	170	181	257	368	458	468	454	399	272	190	177
90%	118	117	141	171	213	288	281	278	239	174	144	127
Long Term												
Full Simulation Period[a]	701	703	720	778	843	922	938	918	873	802	746	713
Water Year Types[b,c]												
Wet (32%)	1,267	1,282	1,280	1,057	1,152	1,245	1,315	1,333	1,338	1,330	1,304	1,276
Above Normal (15%)	796	811	836	805	901	1,035	1,050	1,048	991	884	804	769
Below Normal (17%)	503	494	523	648	720	800	806	776	709	618	557	527
Dry (22%)	328	315	340	679	713	779	758	705	614	495	412	361
Critical (15%)	169	162	190	446	453	464	438	375	326	249	202	180

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

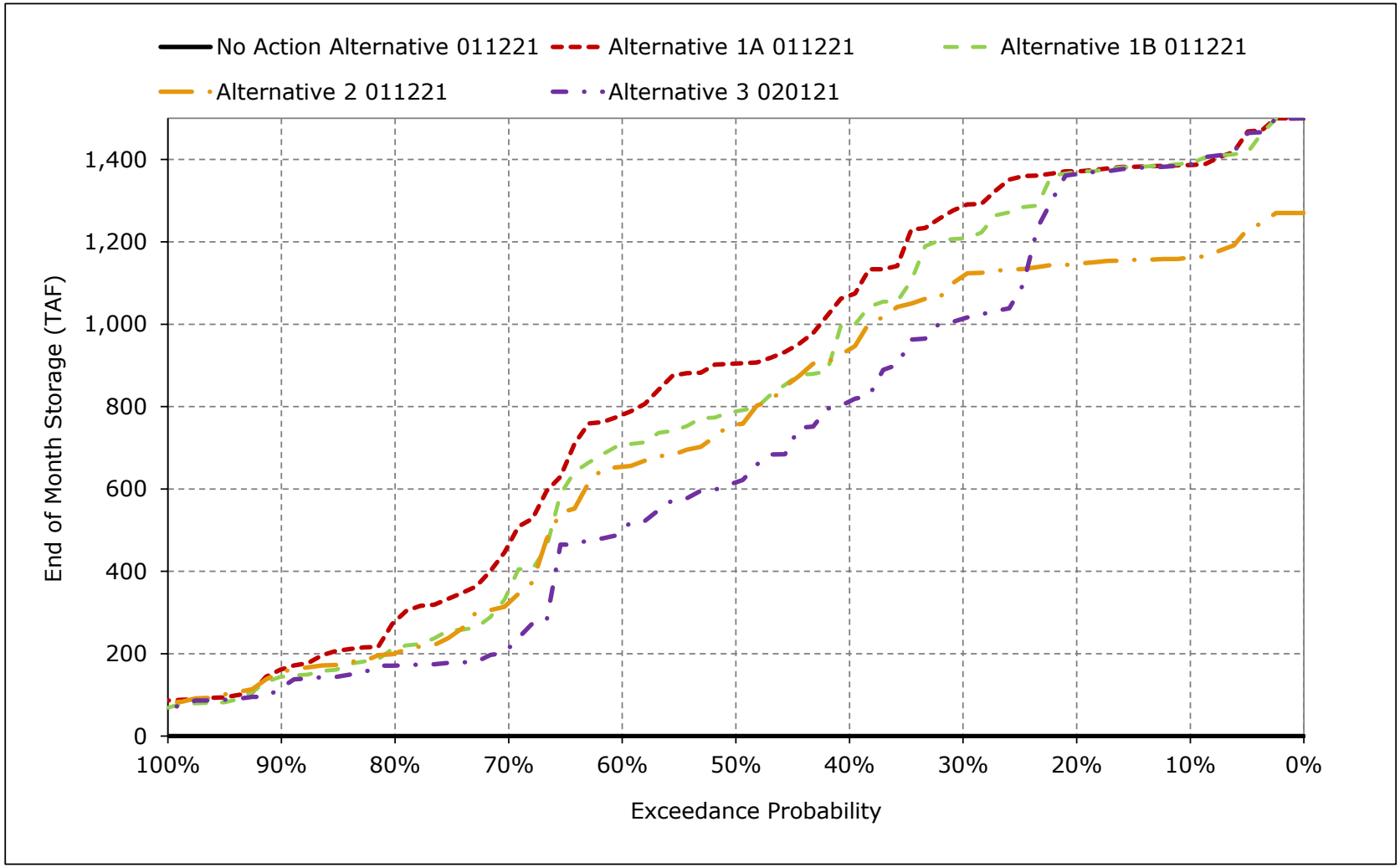


Figure 5B1-7-2. Sites Reservoir Storage, November

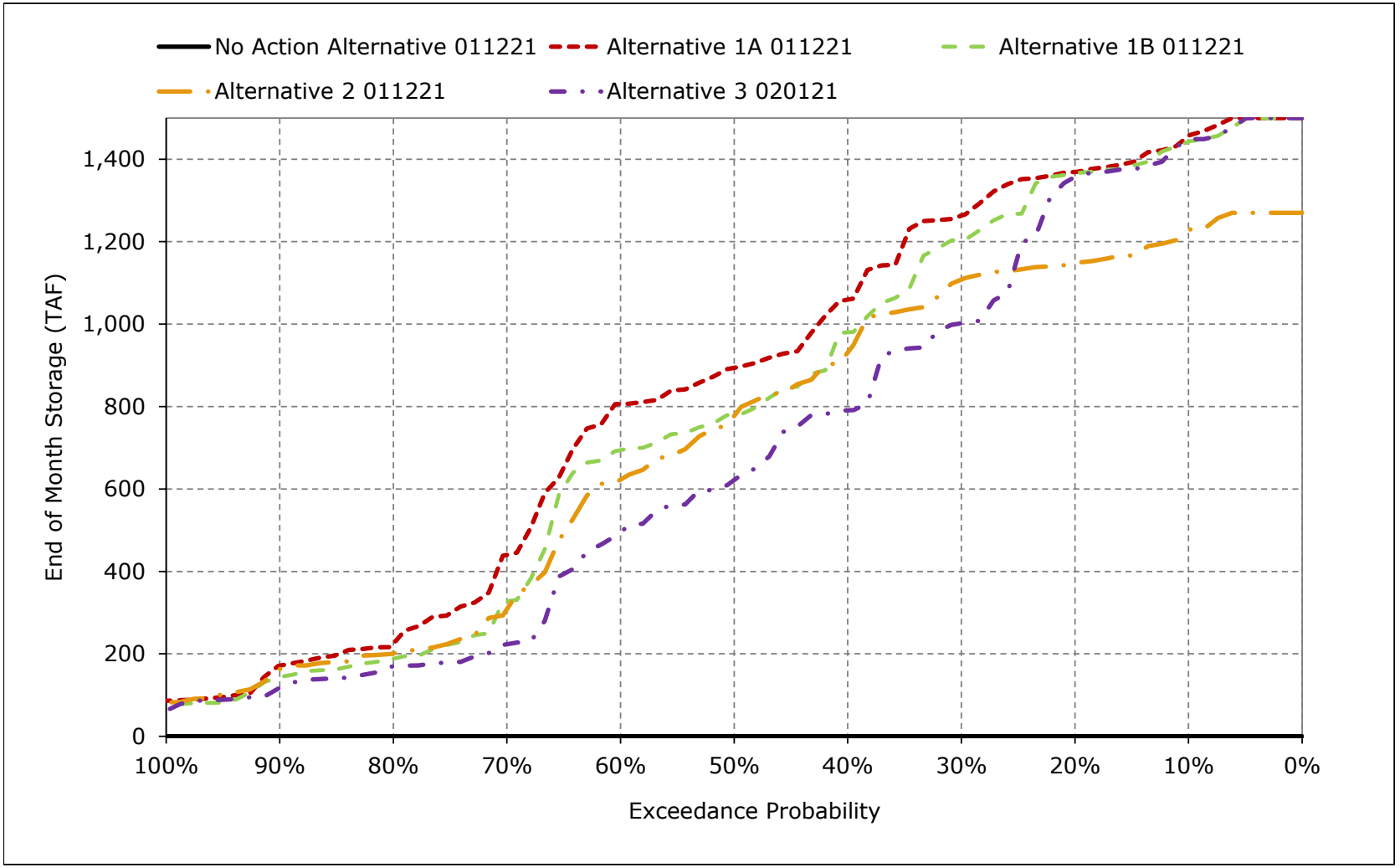


Figure 5B1-7-3. Sites Reservoir Storage, December

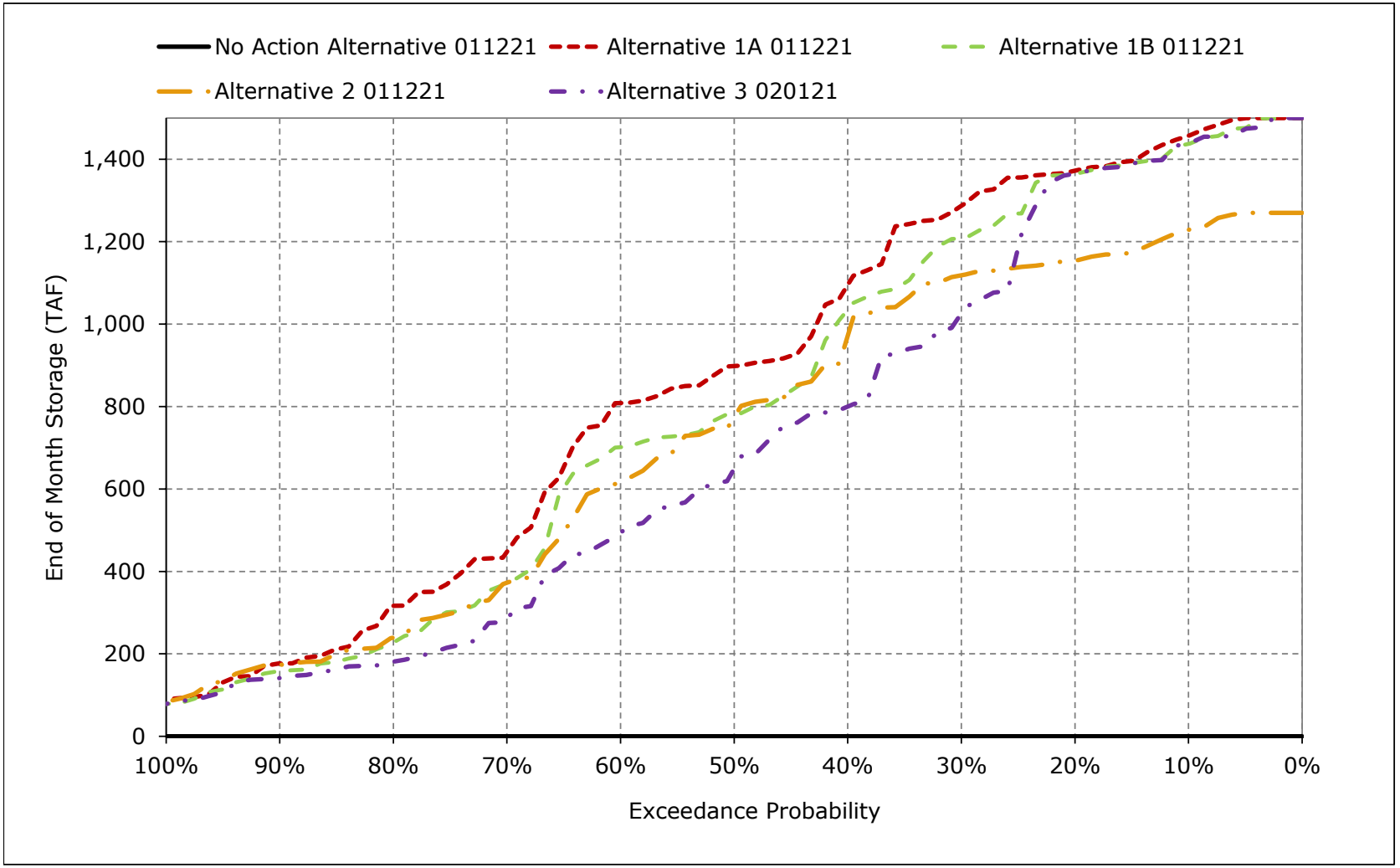


Figure 5B1-7-4. Sites Reservoir Storage, January

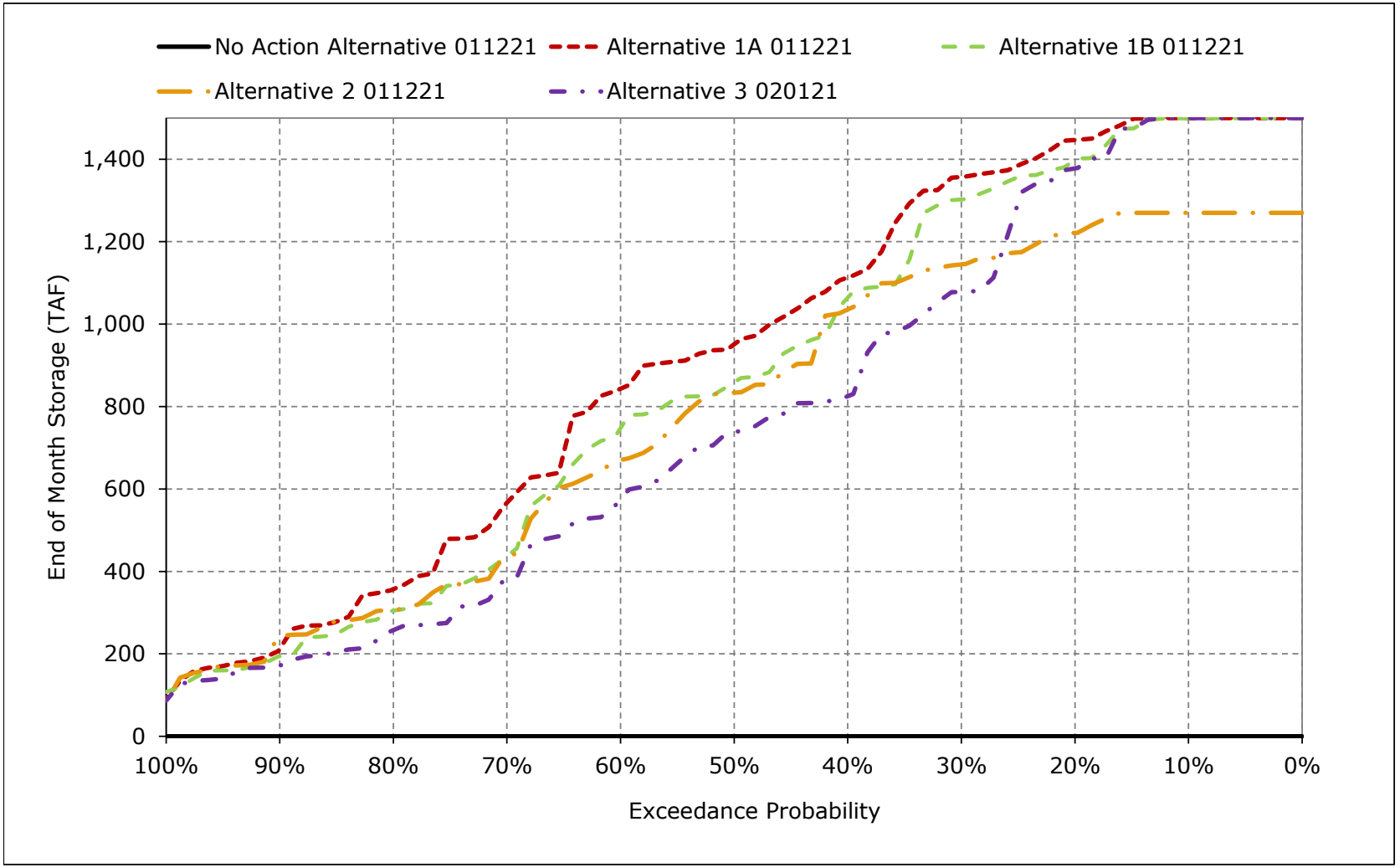


Figure 5B1-7-5. Sites Reservoir Storage, February

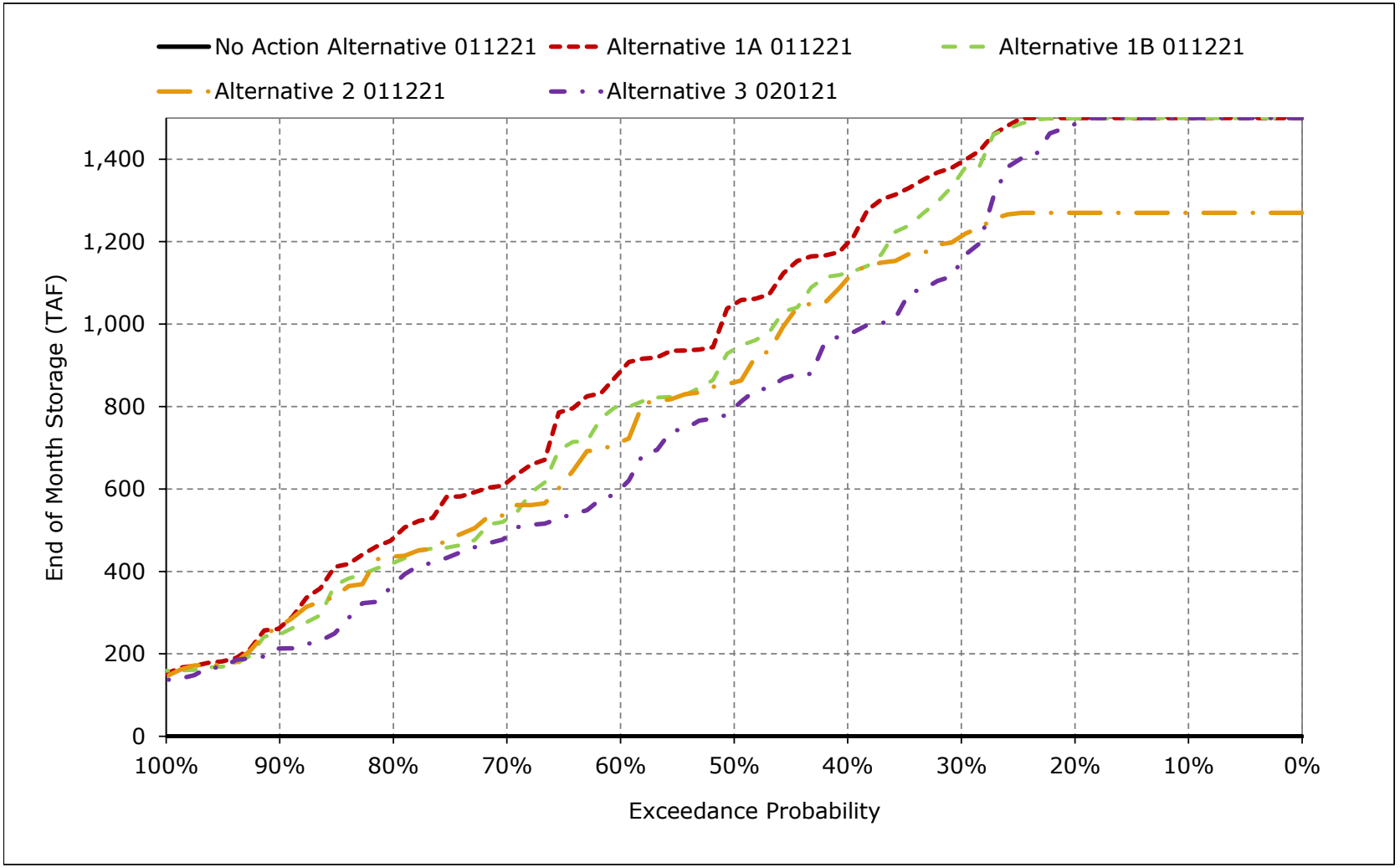


Figure 5B1-7-6. Sites Reservoir Storage, March

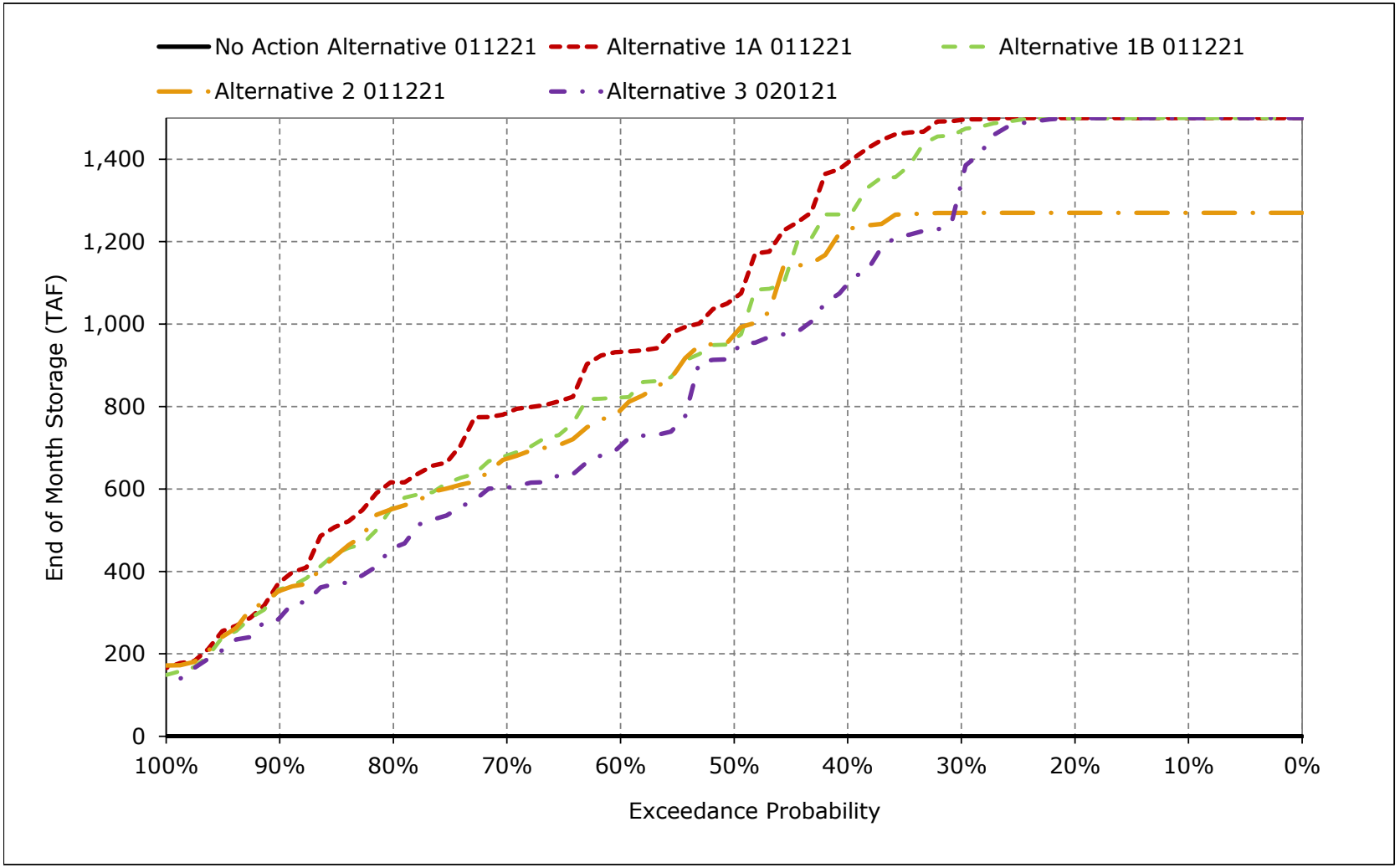


Figure 5B1-7-7. Sites Reservoir Storage, April

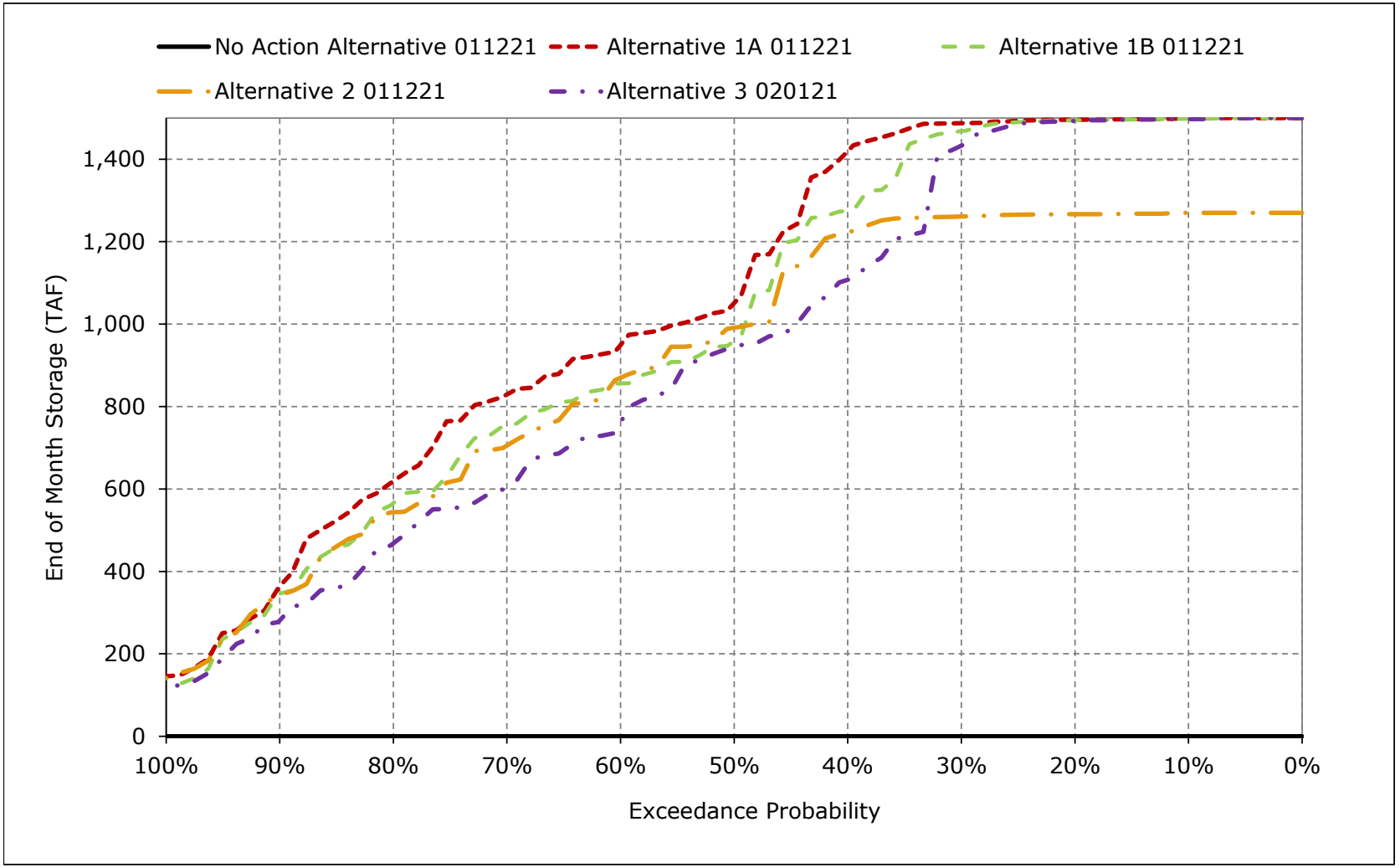


Figure 5B1-7-8. Sites Reservoir Storage, May

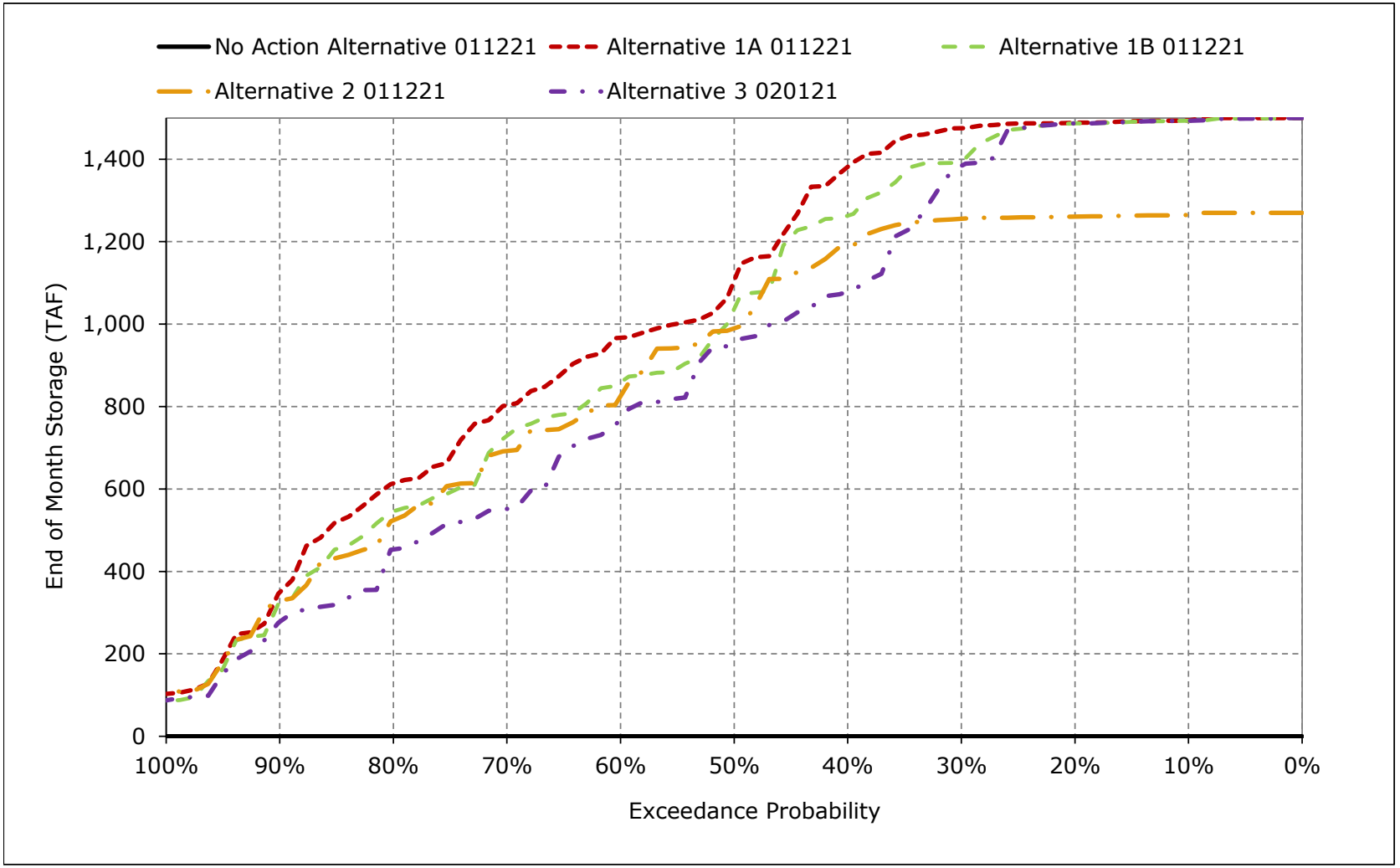


Figure 5B1-7-9. Sites Reservoir Storage, June

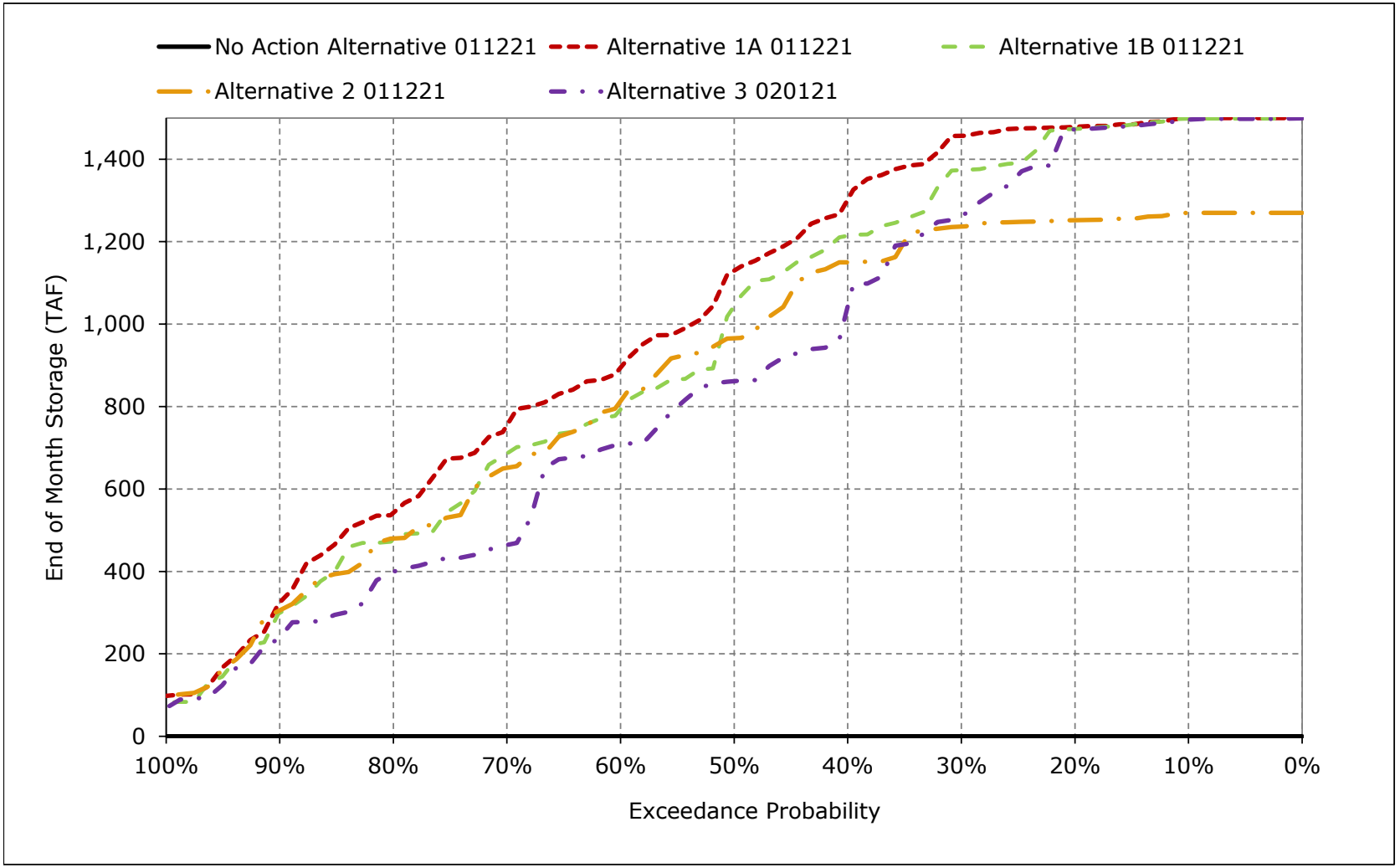


Figure 5B1-7-10. Sites Reservoir Storage, July

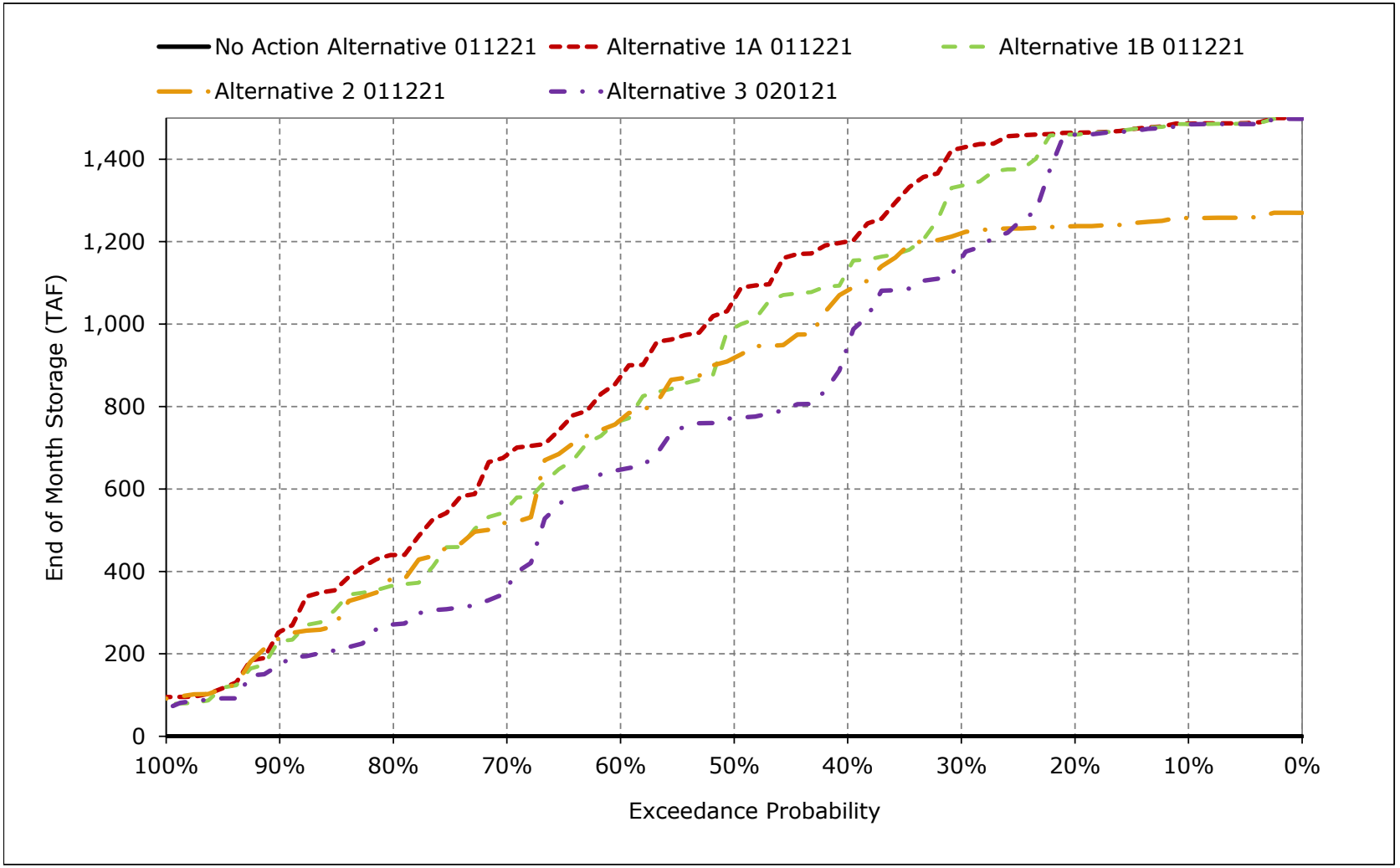


Figure 5B1-7-11. Sites Reservoir Storage, August

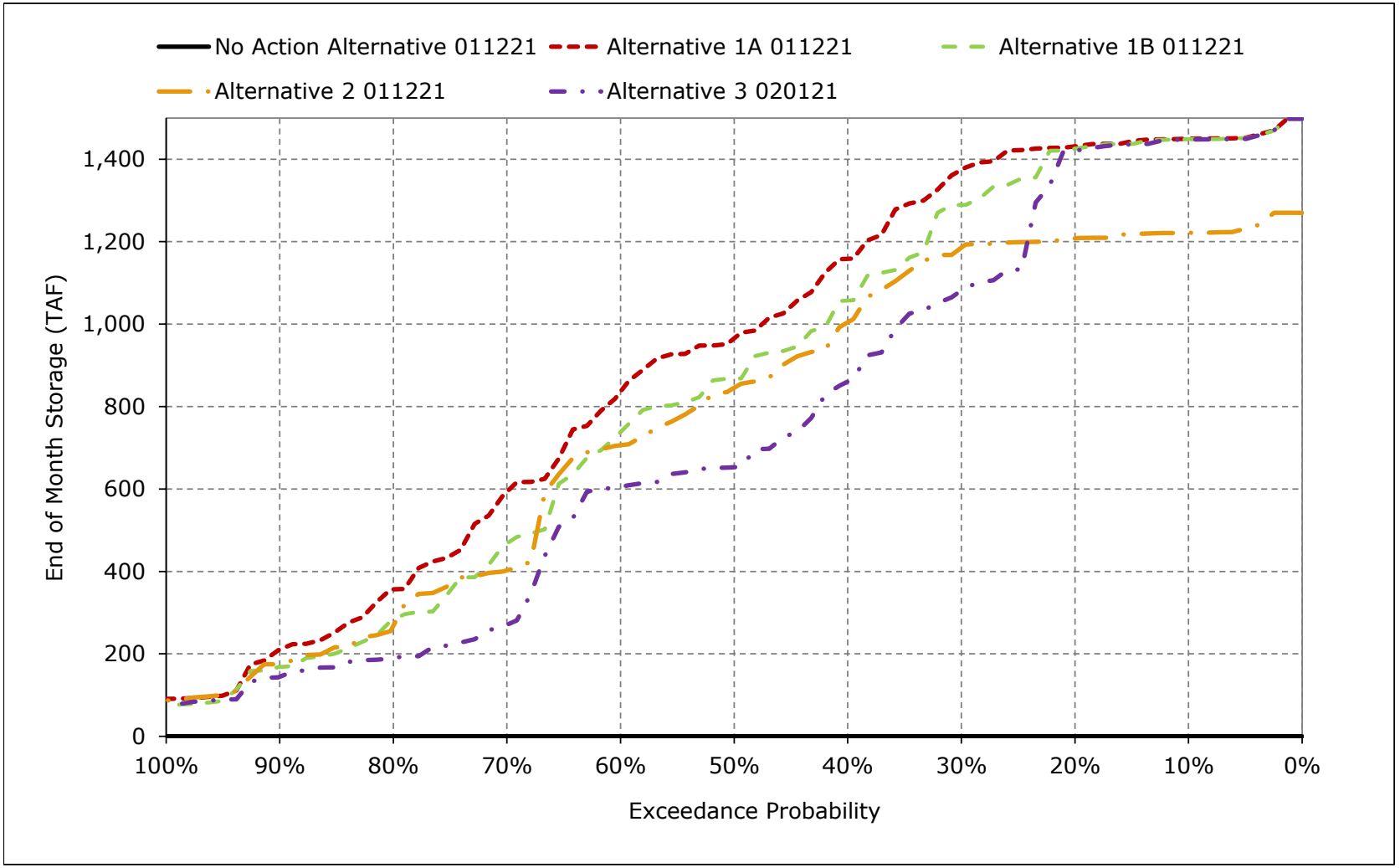


Figure 5B1-7-12. Sites Reservoir Storage, September

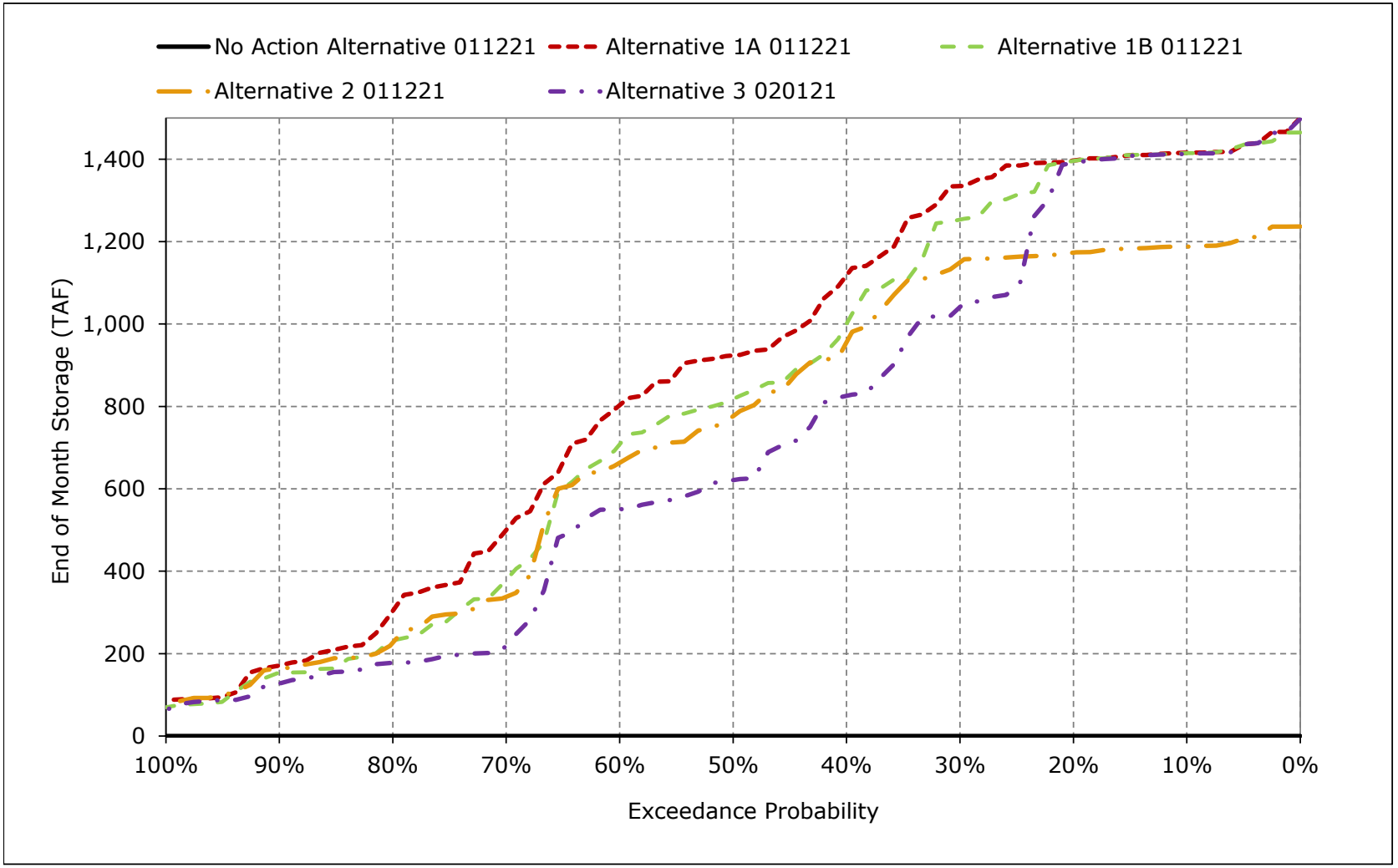


Table 5B1-8-1a. Sites Reservoir Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

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

Table 5B1-8-1b. Sites Reservoir Elevation, Alternative 1A 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	494	494	497	497	497	497	497	497	496	493	491
20%	487	487	487	493	497	497	497	496	496	495	492	489
30%	481	479	481	486	489	497	496	495	494	492	488	485
40%	462	462	465	466	473	489	491	488	482	474	470	467
50%	447	446	447	452	461	462	461	465	468	462	453	449
60%	435	438	438	442	446	450	452	453	447	444	441	438
70%	400	397	398	412	418	436	440	438	433	425	416	404
80%	373	364	379	385	402	418	419	418	409	397	385	377
90%	351	353	354	362	370	387	386	384	381	369	362	353
Long Term												
Full Simulation Period[a]	434	433	435	442	448	455	456	455	452	446	440	436
Water Year Types[b,c]												
Wet (32%)	482	483	483	467	476	482	487	488	488	487	485	482
Above Normal (15%)	461	461	462	445	453	466	467	467	467	466	463	460
Below Normal (17%)	426	424	428	429	437	446	447	446	445	439	433	429
Dry (22%)	402	399	402	439	443	450	448	446	438	426	415	407
Critical (15%)	357	356	362	401	402	406	403	394	387	377	367	361

Table 5B1-8-1c. Sites Reservoir Elevation, Alternative 1A 011221 minus No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	494	494	497	497	497	497	497	497	496	493	491
20%	487	487	487	493	497	497	497	496	496	495	492	489
30%	481	479	481	486	489	497	496	495	494	492	488	485
40%	462	462	465	466	473	489	491	488	482	474	470	467
50%	447	446	447	452	461	462	461	465	468	462	453	449
60%	435	438	438	442	446	450	452	453	447	444	441	438
70%	400	397	398	412	418	436	440	438	433	425	416	404
80%	373	364	379	385	402	418	419	418	409	397	385	377
90%	351	353	354	362	370	387	386	384	381	369	362	353
Long Term												
Full Simulation Period[a]	434	433	435	442	448	455	456	455	452	446	440	436
Water Year Types[b,c]												
Wet (32%)	482	483	483	467	476	482	487	488	488	487	485	482
Above Normal (15%)	461	461	462	445	453	466	467	467	467	466	463	460
Below Normal (17%)	426	424	428	429	437	446	447	446	445	439	433	429
Dry (22%)	402	399	402	439	443	450	448	446	438	426	415	407
Critical (15%)	357	356	362	401	402	406	403	394	387	377	367	361

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-8-2a. Sites Reservoir Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

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

Table 5B1-8-2b. Sites Reservoir Elevation, Alternative 1B 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	493	492	497	497	497	497	497	497	496	493	491
20%	487	487	487	489	497	497	497	496	495	494	492	489
30%	474	474	474	482	487	495	495	490	488	485	481	478
40%	456	454	459	462	467	480	480	479	475	468	461	456
50%	436	435	436	443	451	453	452	460	460	455	444	439
60%	428	427	427	432	437	440	443	443	437	434	431	428
70%	385	381	387	396	408	425	433	430	426	411	401	388
80%	362	357	364	377	394	411	412	410	402	386	374	365
90%	347	347	350	358	368	385	384	380	376	365	353	349
Long Term												
Full Simulation Period[a]	427	426	429	436	443	450	451	449	446	440	433	429
Water Year Types[b,c]												
Wet (32%)	480	481	481	463	472	479	485	486	486	485	483	481
Above Normal (15%)	453	454	455	439	449	461	463	463	460	456	453	451
Below Normal (17%)	415	413	418	421	430	439	440	438	435	429	421	418
Dry (22%)	392	389	392	431	436	443	440	437	429	416	405	397
Critical (15%)	351	350	357	397	398	402	398	388	382	371	361	355

Table 5B1-8-2c. Sites Reservoir Elevation, Alternative 1B 011221 minus No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	493	492	497	497	497	497	497	497	496	493	491
20%	487	487	487	489	497	497	497	496	495	494	492	489
30%	474	474	474	482	487	495	495	490	488	485	481	478
40%	456	454	459	462	467	480	480	479	475	468	461	456
50%	436	435	436	443	451	453	452	460	460	455	444	439
60%	428	427	427	432	437	440	443	443	437	434	431	428
70%	385	381	387	396	408	425	433	430	426	411	401	388
80%	362	357	364	377	394	411	412	410	402	386	374	365
90%	347	347	350	358	368	385	384	380	376	365	353	349
Long Term												
Full Simulation Period[a]	427	426	429	436	443	450	451	449	446	440	433	429
Water Year Types[b,c]												
Wet (32%)	480	481	481	463	472	479	485	486	486	485	483	481
Above Normal (15%)	453	454	455	439	449	461	463	463	460	456	453	451
Below Normal (17%)	415	413	418	421	430	439	440	438	435	429	421	418
Dry (22%)	392	389	392	431	436	443	440	437	429	416	405	397
Critical (15%)	351	350	357	397	398	402	398	388	382	371	361	355

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-8-3a. Sites Reservoir Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

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

Table 5B1-8-3b. Sites Reservoir Elevation, Alternative 2 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	470	476	476	479	479	479	479	479	479	478	475	472
20%	469	469	470	475	479	479	479	479	478	477	474	471
30%	466	466	467	469	475	479	479	478	477	475	472	469
40%	451	450	454	460	466	476	475	473	469	464	457	452
50%	433	435	435	441	443	454	455	455	453	449	442	435
60%	422	419	418	424	429	437	444	440	439	434	428	423
70%	380	378	387	396	410	424	428	426	422	407	392	382
80%	360	360	366	378	396	411	410	407	402	389	371	364
90%	350	351	354	367	371	385	383	381	377	366	354	352
Long Term												
Full Simulation Period[a]	421	421	423	430	436	443	444	442	440	434	428	423
Water Year Types[b,c]												
Wet (32%)	465	467	467	454	462	467	472	472	472	472	469	466
Above Normal (15%)	452	453	453	435	444	456	458	458	458	457	453	451
Below Normal (17%)	413	411	415	417	425	434	435	434	433	428	421	416
Dry (22%)	387	385	389	425	430	437	435	433	425	412	400	392
Critical (15%)	352	351	358	394	396	400	396	387	381	370	361	355

Table 5B1-8-3c. Sites Reservoir Elevation, Alternative 2 011221 minus No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	470	476	476	479	479	479	479	479	479	478	475	472
20%	469	469	470	475	479	479	479	479	478	477	474	471
30%	466	466	467	469	475	479	479	478	477	475	472	469
40%	451	450	454	460	466	476	475	473	469	464	457	452
50%	433	435	435	441	443	454	455	455	453	449	442	435
60%	422	419	418	424	429	437	444	440	439	434	428	423
70%	380	378	387	396	410	424	428	426	422	407	392	382
80%	360	360	366	378	396	411	410	407	402	389	371	364
90%	350	351	354	367	371	385	383	381	377	366	354	352
Long Term												
Full Simulation Period[a]	421	421	423	430	436	443	444	442	440	434	428	423
Water Year Types[b,c]												
Wet (32%)	465	467	467	454	462	467	472	472	472	472	469	466
Above Normal (15%)	452	453	453	435	444	456	458	458	458	457	453	451
Below Normal (17%)	413	411	415	417	425	434	435	434	433	428	421	416
Dry (22%)	387	385	389	425	430	437	435	433	425	412	400	392
Critical (15%)	352	351	358	394	396	400	396	387	381	370	361	355

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-8-4a. Sites Reservoir Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

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

Table 5B1-8-4b. Sites Reservoir Elevation, Alternative 3 020121, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	493	493	497	497	497	497	497	497	496	493	491
20%	487	486	487	488	496	497	497	496	495	494	491	489
30%	458	456	459	463	470	485	492	488	479	470	464	460
40%	439	437	438	440	454	465	466	463	460	451	443	440
50%	418	419	422	431	437	450	451	452	443	435	422	419
60%	405	404	404	413	416	428	433	434	428	422	417	410
70%	362	364	374	388	403	417	417	411	400	386	372	363
80%	353	353	356	369	387	399	401	399	391	372	358	355
90%	341	341	347	353	362	374	373	373	366	354	347	343
Long Term												
Full Simulation Period[a]	417	417	419	427	434	443	445	442	437	429	422	418
Water Year Types[b,c]												
Wet (32%)	478	479	479	456	466	475	482	483	484	483	481	479
Above Normal (15%)	436	437	439	433	444	457	459	459	454	444	436	433
Below Normal (17%)	399	398	402	413	422	432	433	430	424	413	406	402
Dry (22%)	376	374	378	417	422	430	427	422	412	397	387	380
Critical (15%)	346	346	353	388	390	393	389	379	372	360	352	348

Table 5B1-8-4c. Sites Reservoir Elevation, Alternative 3 020121 minus No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	489	493	493	497	497	497	497	497	497	496	493	491
20%	487	486	487	488	496	497	497	496	495	494	491	489
30%	458	456	459	463	470	485	492	488	479	470	464	460
40%	439	437	438	440	454	465	466	463	460	451	443	440
50%	418	419	422	431	437	450	451	452	443	435	422	419
60%	405	404	404	413	416	428	433	434	428	422	417	410
70%	362	364	374	388	403	417	417	411	400	386	372	363
80%	353	353	356	369	387	399	401	399	391	372	358	355
90%	341	341	347	353	362	374	373	373	366	354	347	343
Long Term												
Full Simulation Period[a]	417	417	419	427	434	443	445	442	437	429	422	418
Water Year Types[b,c]												
Wet (32%)	478	479	479	456	466	475	482	483	484	483	481	479
Above Normal (15%)	436	437	439	433	444	457	459	459	454	444	436	433
Below Normal (17%)	399	398	402	413	422	432	433	430	424	413	406	402
Dry (22%)	376	374	378	417	422	430	427	422	412	397	387	380
Critical (15%)	346	346	353	388	390	393	389	379	372	360	352	348

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

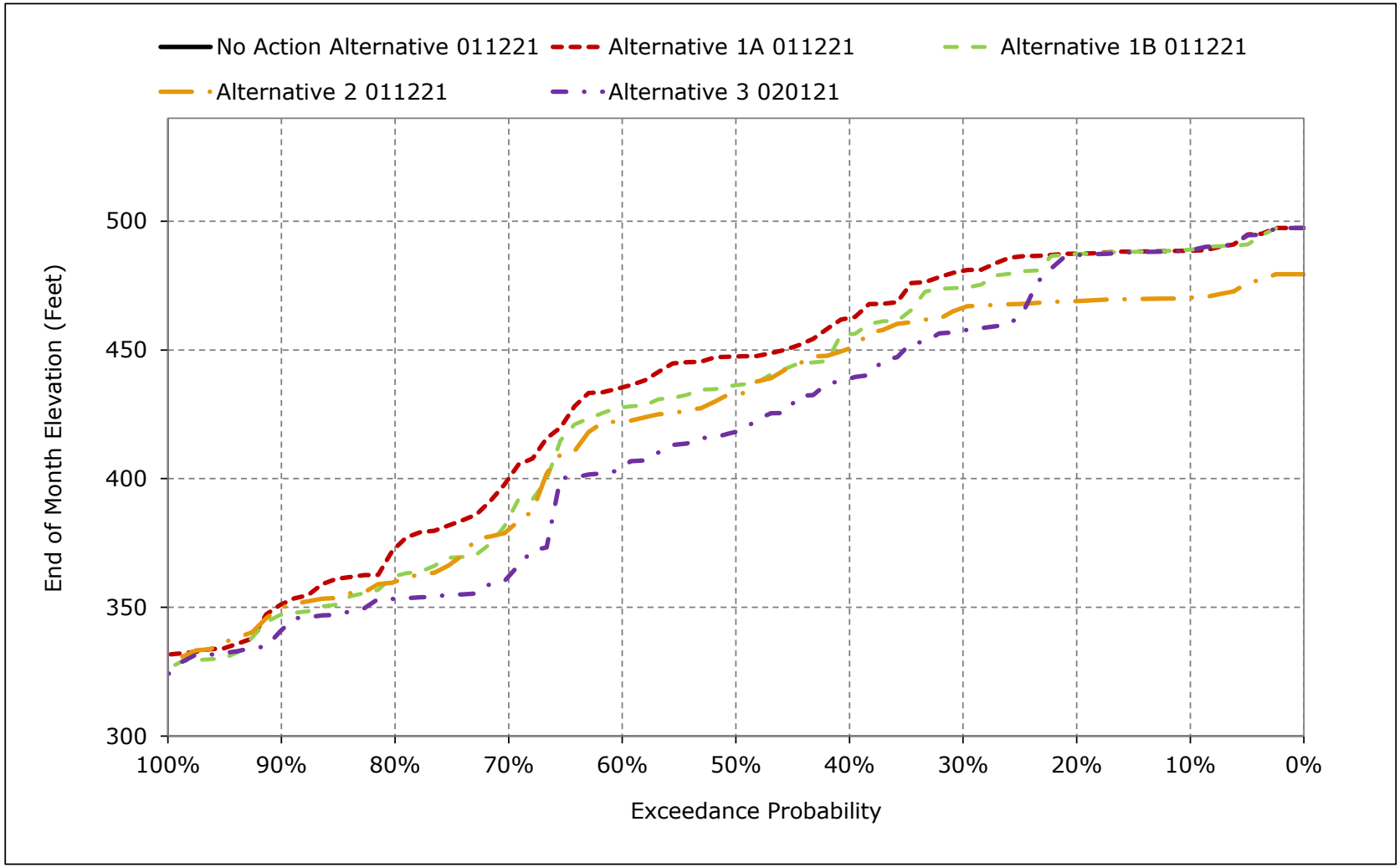


Figure 5B1-8-2. Sites Reservoir Elevation, November

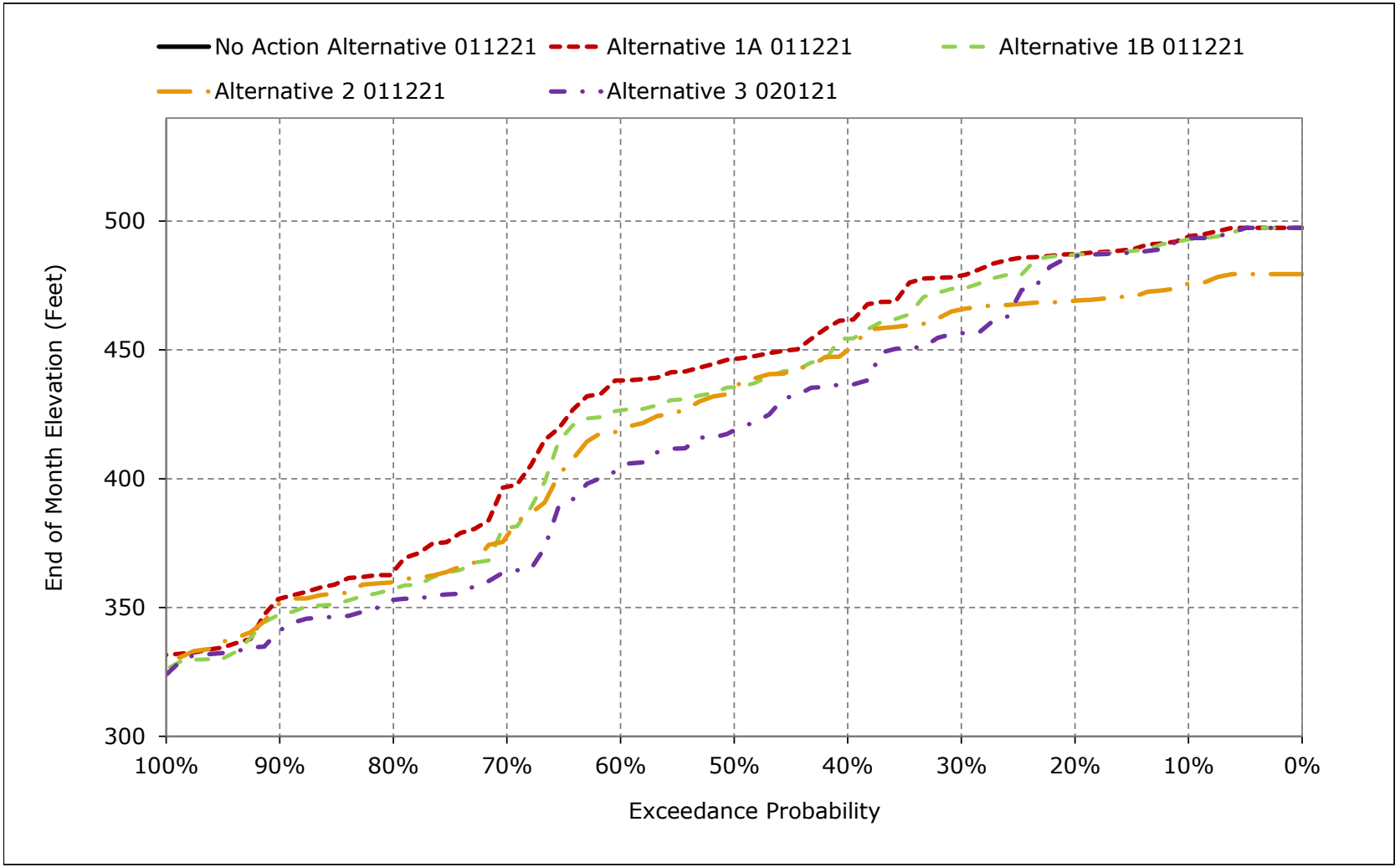


Figure 5B1-8-3. Sites Reservoir Elevation, December

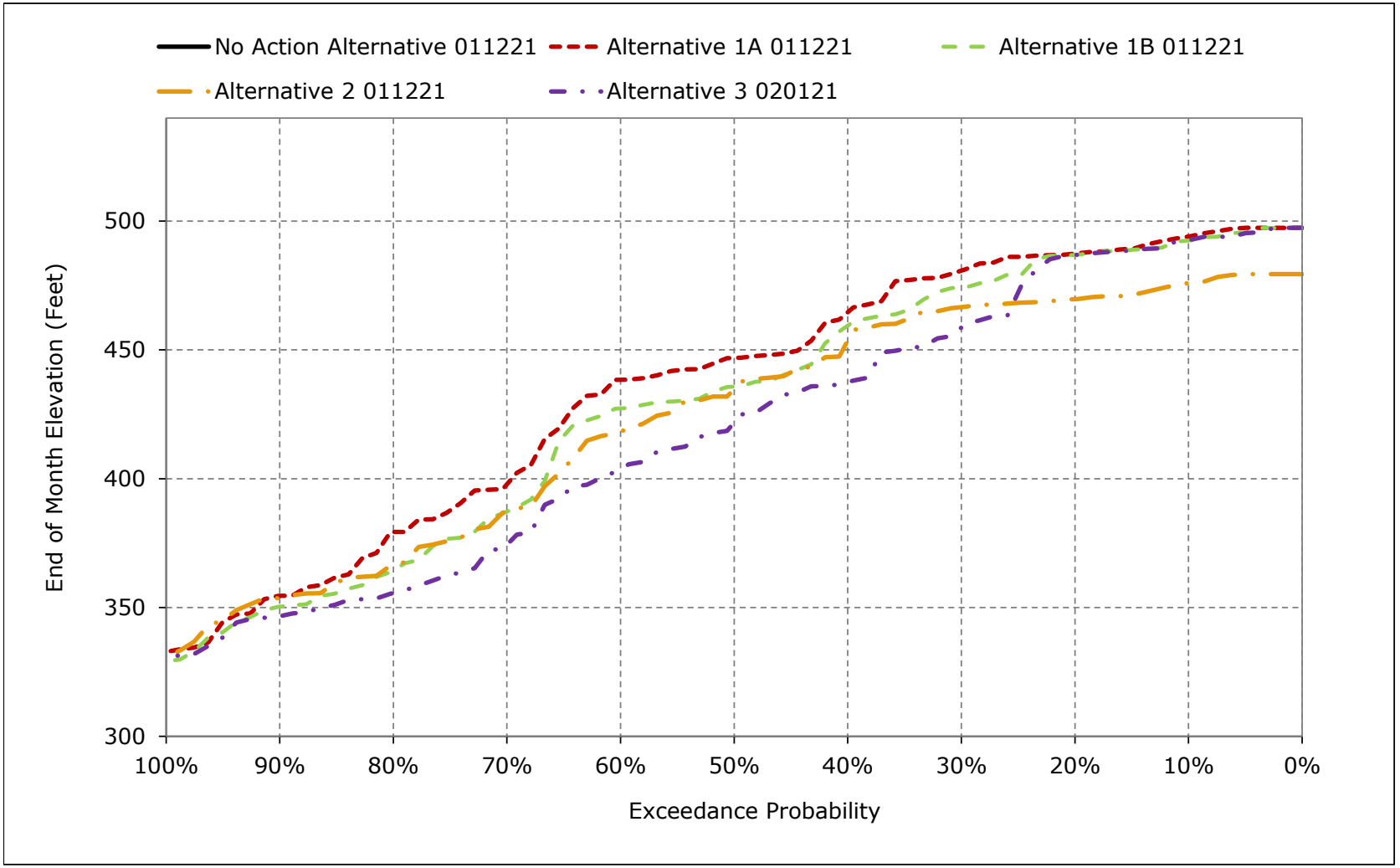


Figure 5B1-8-4. Sites Reservoir Elevation, January

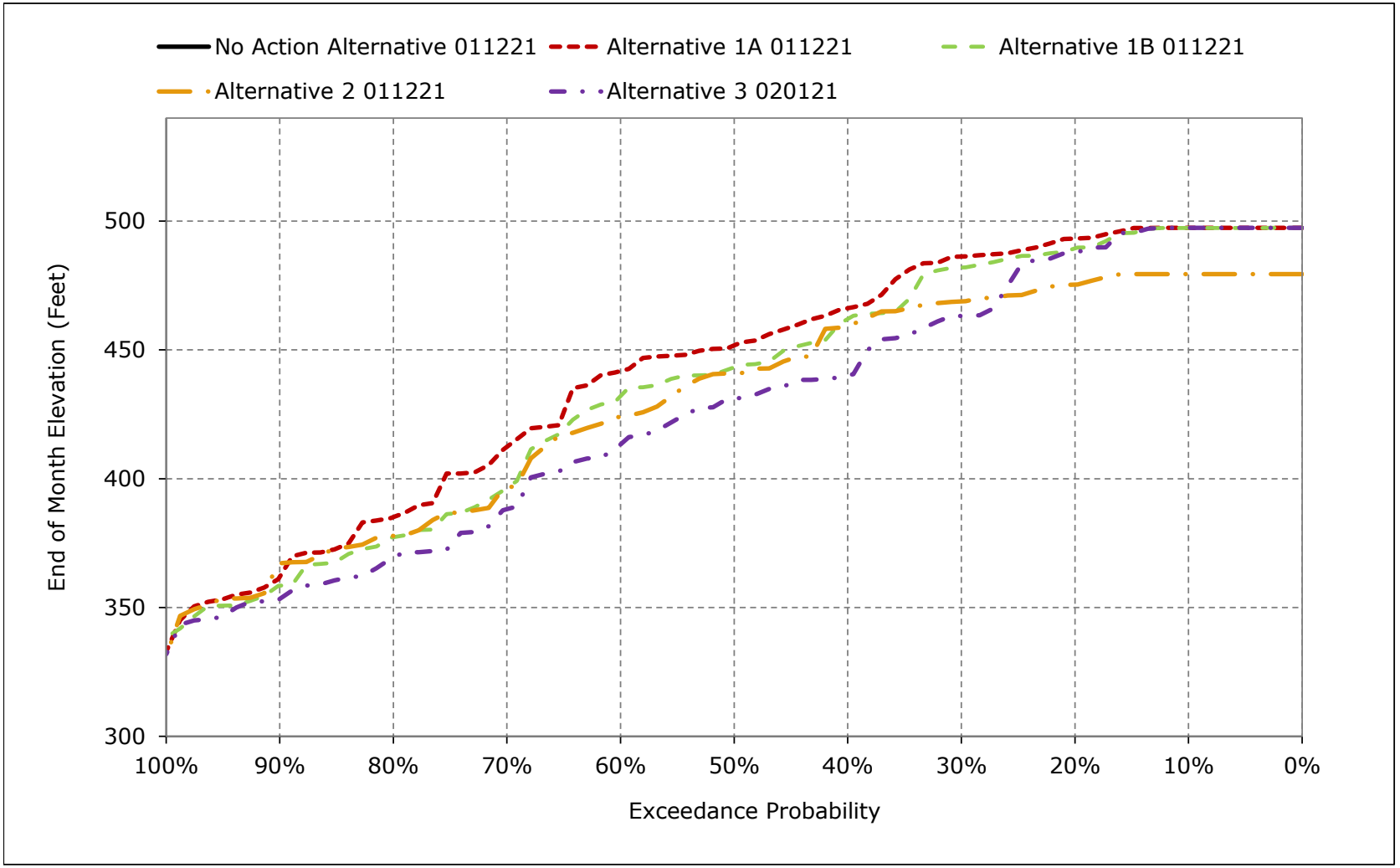


Figure 5B1-8-5. Sites Reservoir Elevation, February

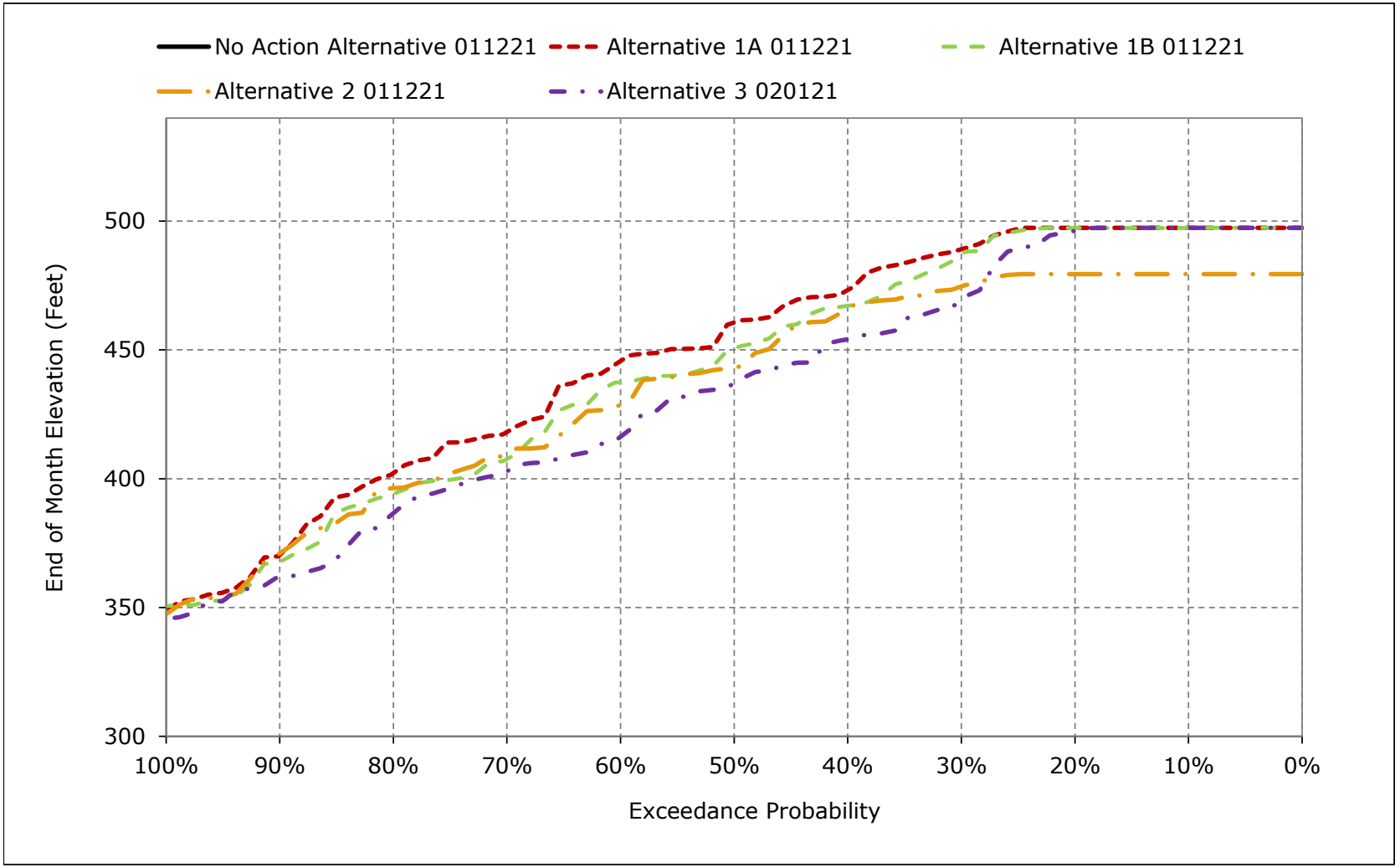


Figure 5B1-8-6. Sites Reservoir Elevation, March

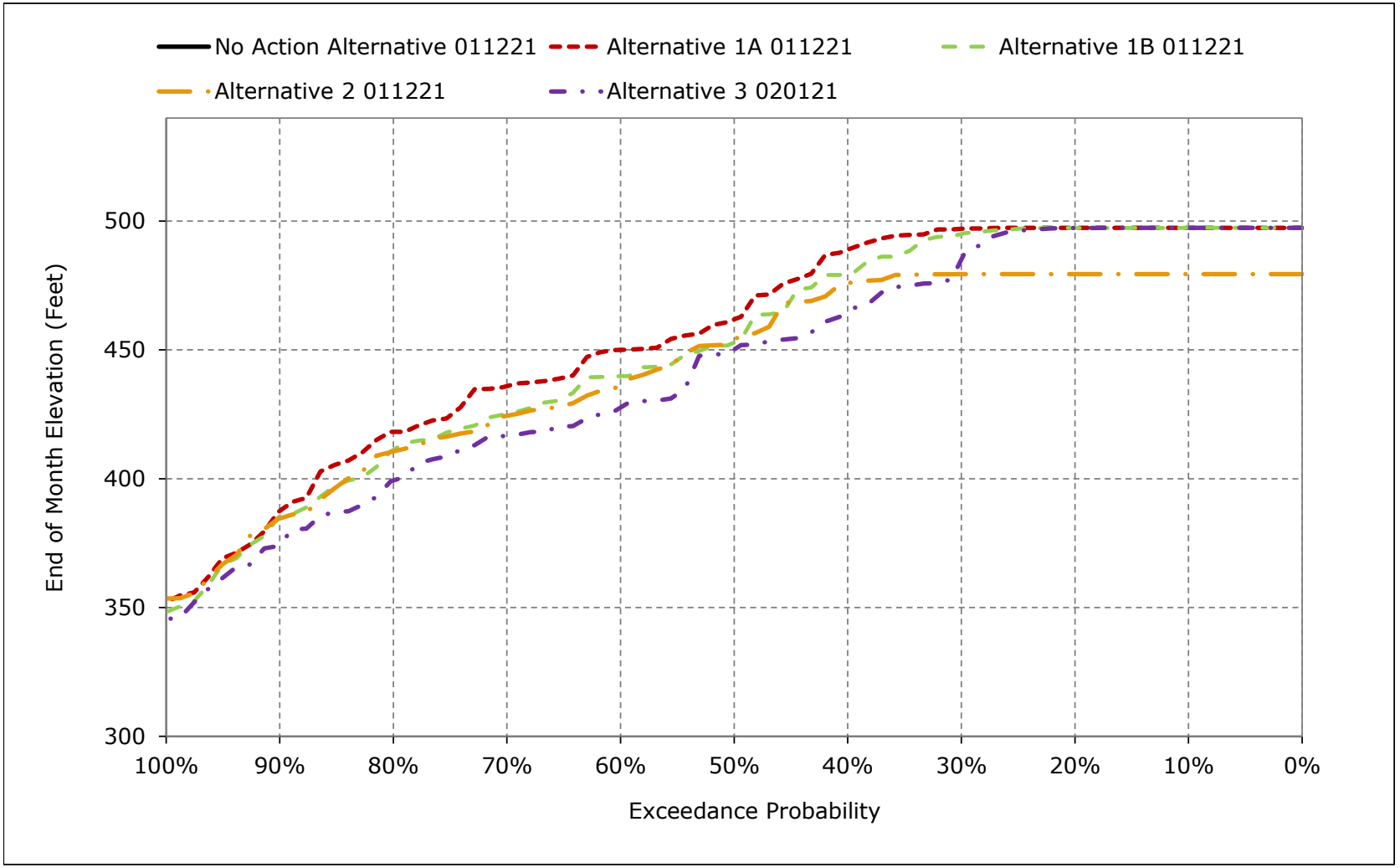


Figure 5B1-8-7. Sites Reservoir Elevation, April

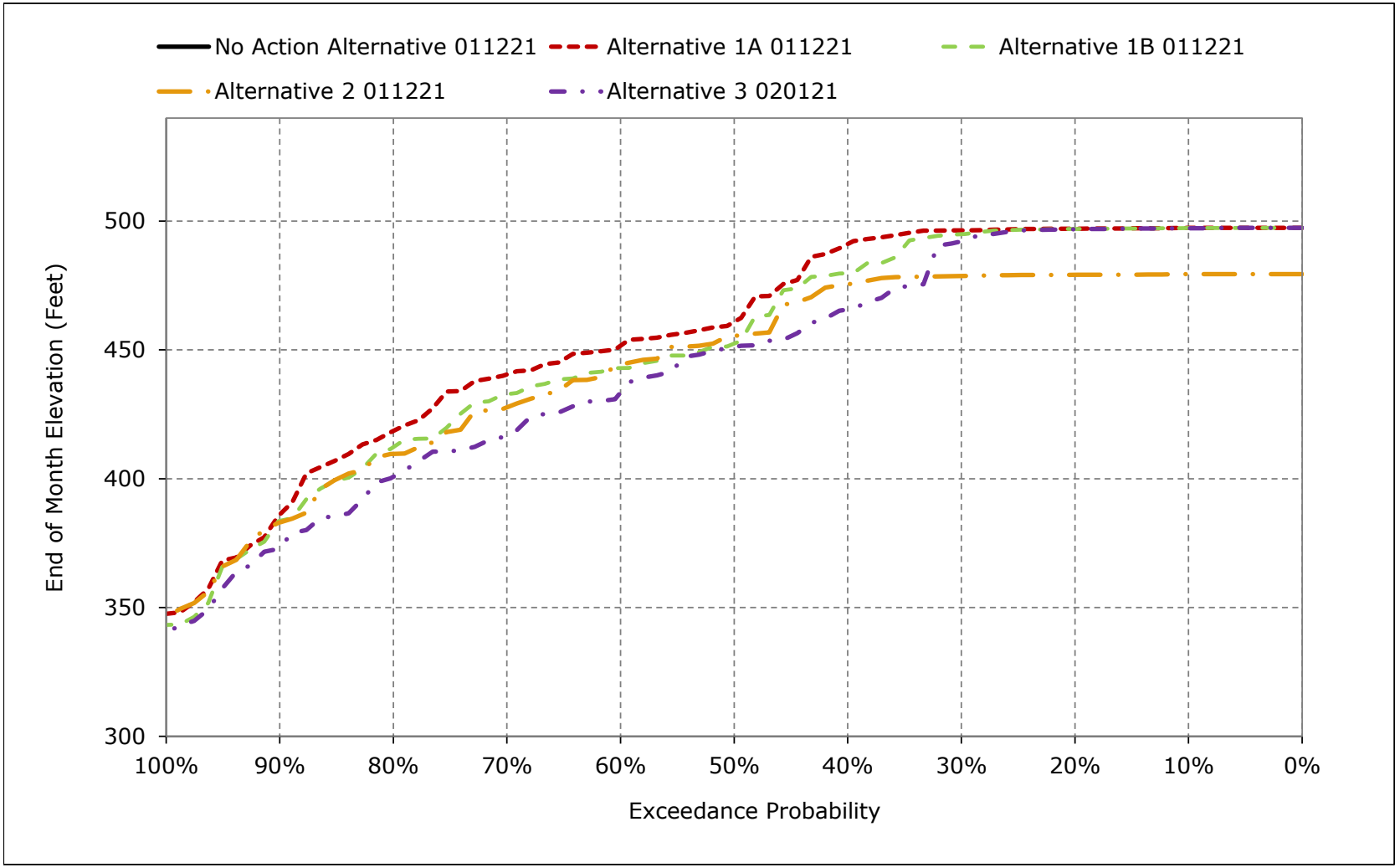


Figure 5B1-8-8. Sites Reservoir Elevation, May

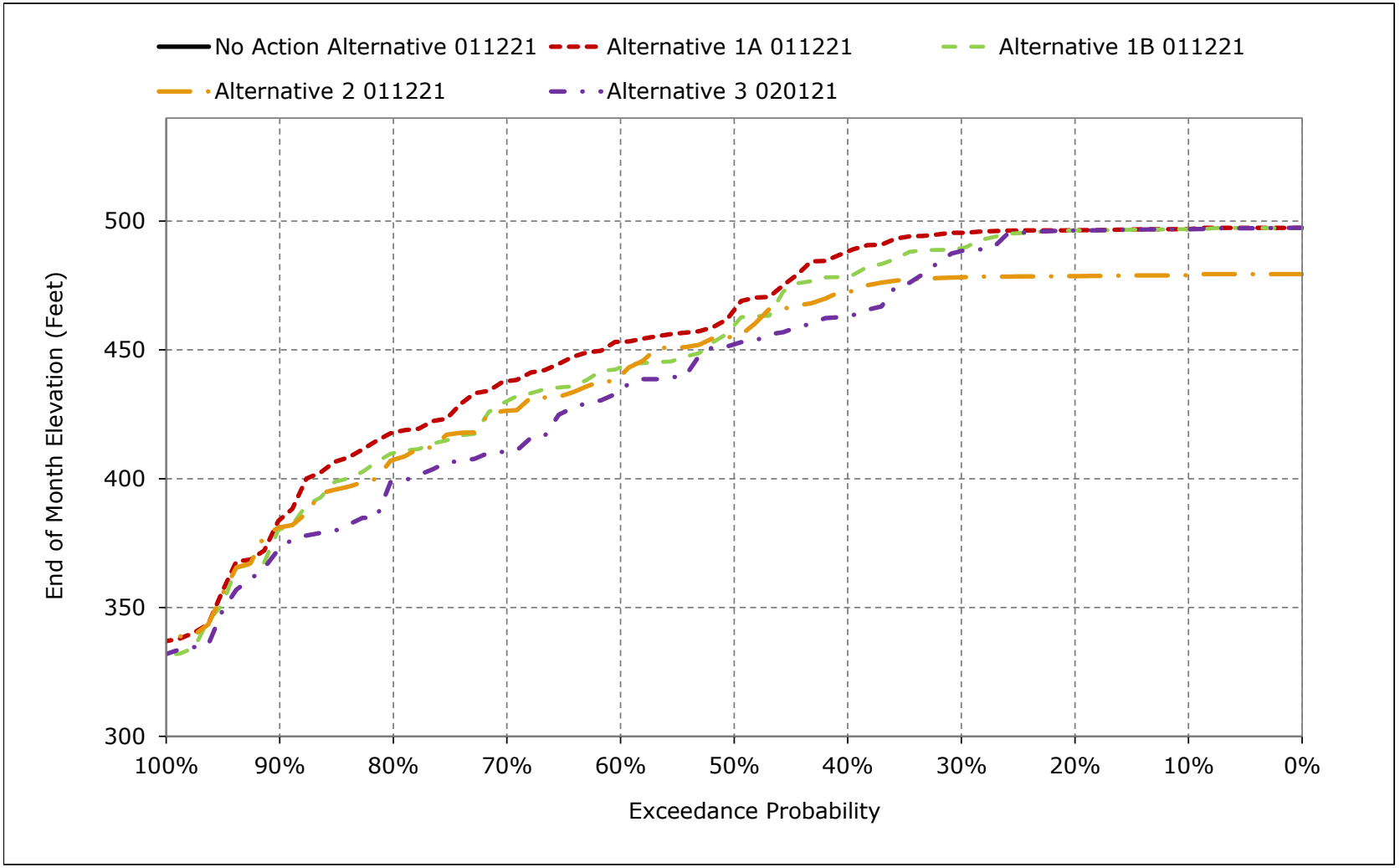


Figure 5B1-8-9. Sites Reservoir Elevation, June

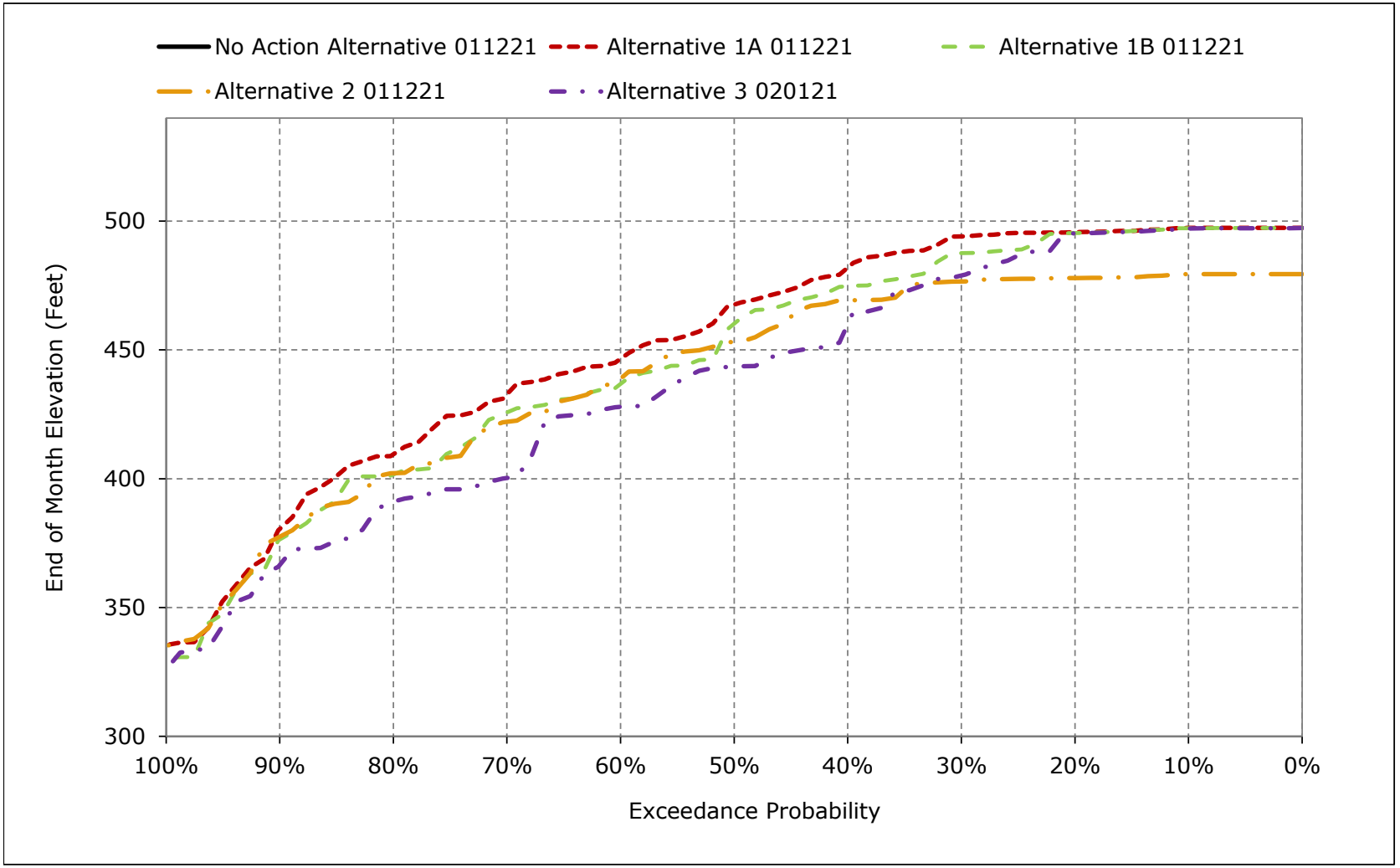


Figure 5B1-8-10. Sites Reservoir Elevation, July

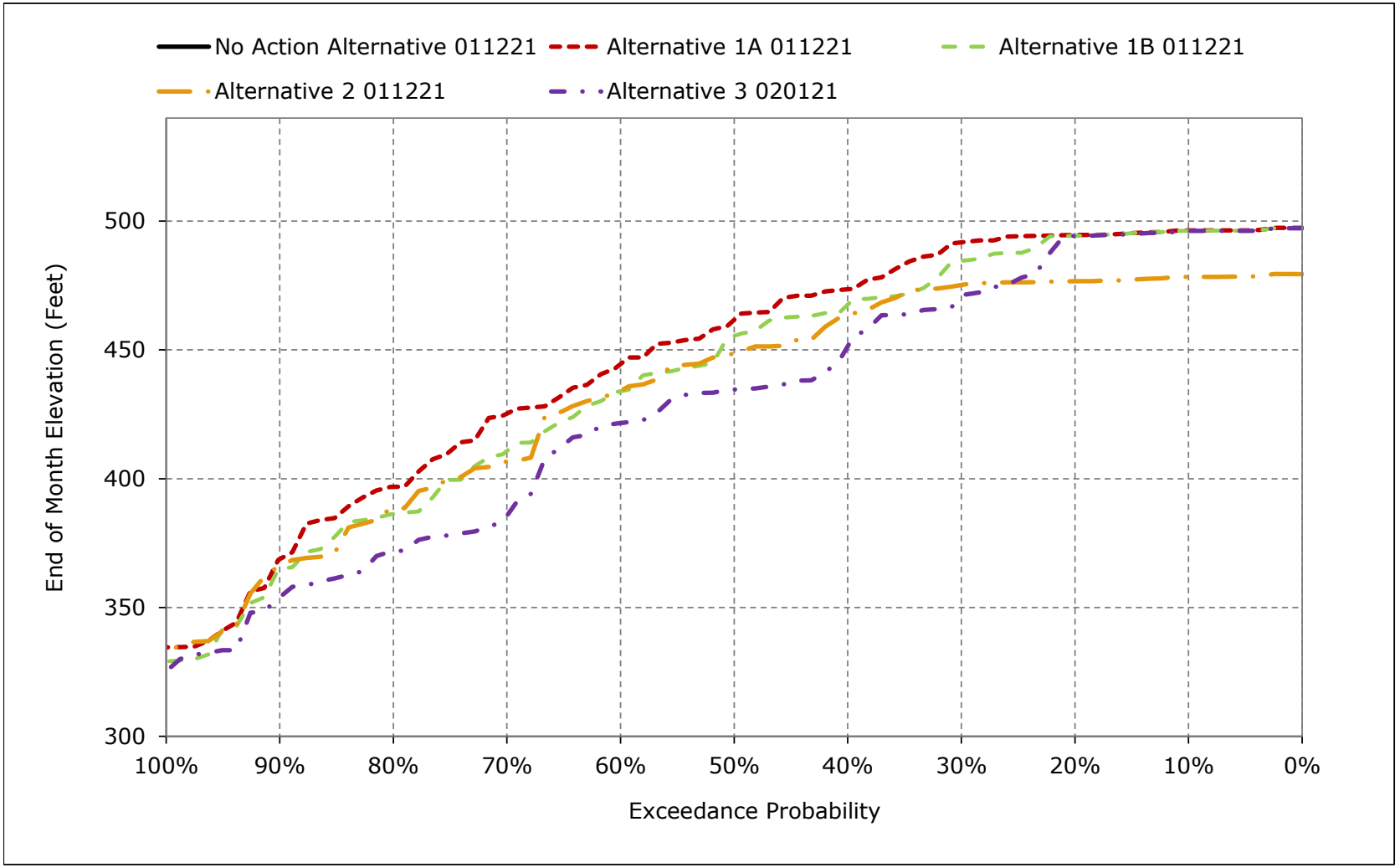


Figure 5B1-8-11. Sites Reservoir Elevation, August

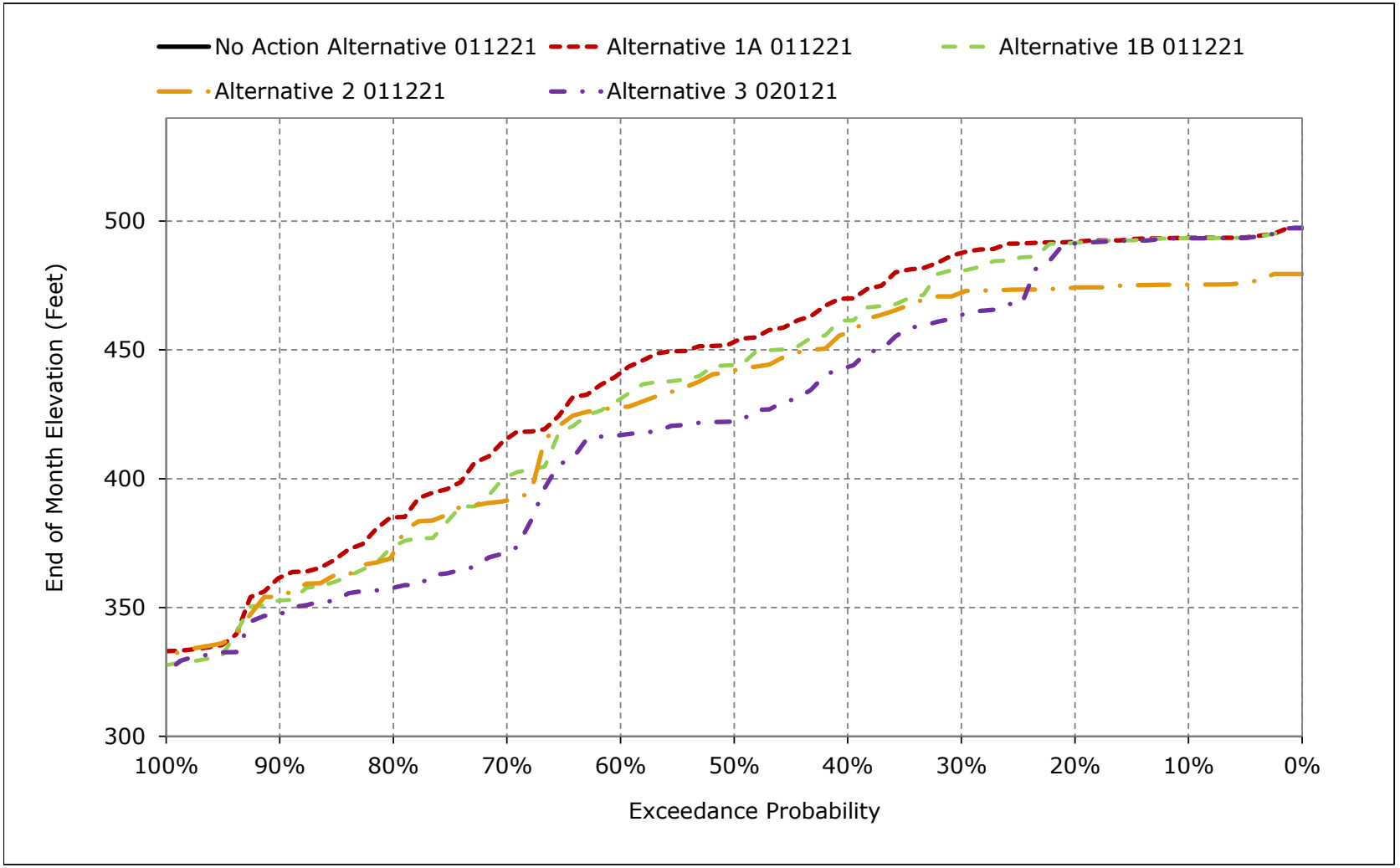


Figure 5B1-8-12. Sites Reservoir Elevation, September

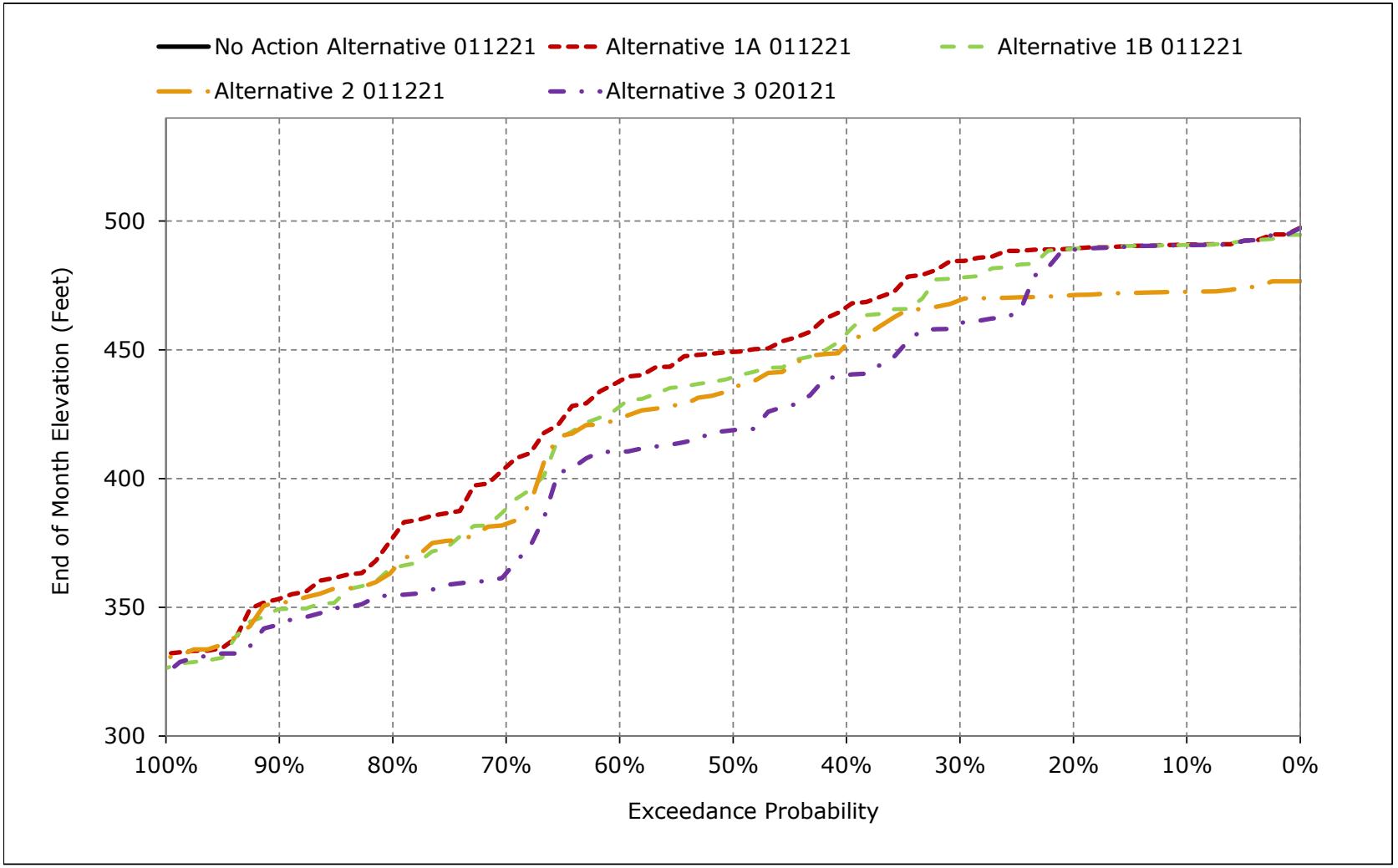


Table 5B1-9-1a. Sites Reservoir Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

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

Table 5B1-9-1b. Sites Reservoir Surface Area, Alternative 1A 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,721	12,971	12,975	13,130	13,130	13,130	13,129	13,111	13,129	13,082	12,949	12,827
20%	12,667	12,659	12,669	12,937	13,130	13,130	13,115	13,088	13,053	13,002	12,882	12,756
30%	12,360	12,269	12,362	12,615	12,745	13,114	13,085	13,041	12,975	12,868	12,677	12,535
40%	11,441	11,399	11,552	11,629	11,985	12,739	12,841	12,704	12,415	12,000	11,820	11,650
50%	10,656	10,605	10,625	10,882	11,351	11,411	11,362	11,593	11,698	11,399	10,953	10,748
60%	10,002	10,158	10,171	10,357	10,564	10,792	10,875	10,959	10,606	10,500	10,321	10,140
70%	7,725	7,517	7,583	8,581	8,990	10,031	10,288	10,139	9,853	9,425	8,804	8,021
80%	6,073	5,505	6,470	6,817	7,860	8,992	9,014	8,973	8,375	7,513	6,813	6,328
90%	4,632	4,787	4,864	5,379	5,912	6,956	6,874	6,753	6,544	5,809	5,359	4,780
Long Term												
Full Simulation Period[a]	9,608	9,565	9,718	10,093	10,463	10,888	10,941	10,830	10,668	10,338	9,998	9,735
Water Year Types[b,c]												
Wet (32%)	12,362	12,446	12,458	11,526	11,988	12,361	12,609	12,647	12,652	12,624	12,521	12,407
Above Normal (15%)	11,316	11,347	11,383	10,371	10,855	11,540	11,614	11,614	11,636	11,560	11,412	11,269
Below Normal (17%)	9,284	9,157	9,421	9,400	9,883	10,413	10,486	10,430	10,347	10,029	9,649	9,415
Dry (22%)	7,843	7,651	7,825	9,972	10,211	10,580	10,496	10,364	9,951	9,236	8,617	8,125
Critical (15%)	4,958	4,892	5,305	7,703	7,820	8,065	7,851	7,272	6,854	6,174	5,594	5,197

Table 5B1-9-1c. Sites Reservoir Surface Area, Alternative 1A 011221 minus No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,721	12,971	12,975	13,130	13,130	13,130	13,129	13,111	13,129	13,082	12,949	12,827
20%	12,667	12,659	12,669	12,937	13,130	13,130	13,115	13,088	13,053	13,002	12,882	12,756
30%	12,360	12,269	12,362	12,615	12,745	13,114	13,085	13,041	12,975	12,868	12,677	12,535
40%	11,441	11,399	11,552	11,629	11,985	12,739	12,841	12,704	12,415	12,000	11,820	11,650
50%	10,656	10,605	10,625	10,882	11,351	11,411	11,362	11,593	11,698	11,399	10,953	10,748
60%	10,002	10,158	10,171	10,357	10,564	10,792	10,875	10,959	10,606	10,500	10,321	10,140
70%	7,725	7,517	7,583	8,581	8,990	10,031	10,288	10,139	9,853	9,425	8,804	8,021
80%	6,073	5,505	6,470	6,817	7,860	8,992	9,014	8,973	8,375	7,513	6,813	6,328
90%	4,632	4,787	4,864	5,379	5,912	6,956	6,874	6,753	6,544	5,809	5,359	4,780
Long Term												
Full Simulation Period[a]	9,608	9,565	9,718	10,093	10,463	10,888	10,941	10,830	10,668	10,338	9,998	9,735
Water Year Types[b,c]												
Wet (32%)	12,362	12,446	12,458	11,526	11,988	12,361	12,609	12,647	12,652	12,624	12,521	12,407
Above Normal (15%)	11,316	11,347	11,383	10,371	10,855	11,540	11,614	11,614	11,636	11,560	11,412	11,269
Below Normal (17%)	9,284	9,157	9,421	9,400	9,883	10,413	10,486	10,430	10,347	10,029	9,649	9,415
Dry (22%)	7,843	7,651	7,825	9,972	10,211	10,580	10,496	10,364	9,951	9,236	8,617	8,125
Critical (15%)	4,958	4,892	5,305	7,703	7,820	8,065	7,851	7,272	6,854	6,174	5,594	5,197

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-9-2a. Sites Reservoir Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

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

Table 5B1-9-2b. Sites Reservoir Surface Area, Alternative 1B 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,739	12,922	12,904	13,127	13,129	13,129	13,125	13,106	13,124	13,077	12,945	12,822
20%	12,661	12,647	12,643	12,760	13,128	13,126	13,110	13,082	13,035	12,986	12,863	12,754
30%	12,033	12,019	12,033	12,418	12,649	13,020	13,015	12,767	12,675	12,538	12,370	12,225
40%	11,114	11,024	11,287	11,419	11,678	12,306	12,315	12,268	12,061	11,700	11,390	11,123
50%	10,052	10,004	10,017	10,433	10,822	10,939	10,919	11,289	11,323	11,077	10,476	10,224
60%	9,562	9,495	9,537	9,811	10,113	10,251	10,419	10,434	10,080	9,916	9,755	9,575
70%	6,790	6,572	6,944	7,492	8,247	9,417	9,852	9,701	9,448	8,467	7,753	7,005
80%	5,392	5,060	5,539	6,345	7,352	8,494	8,573	8,404	7,817	6,889	6,115	5,586
90%	4,338	4,344	4,568	5,148	5,743	6,818	6,727	6,529	6,290	5,571	4,735	4,492
Long Term												
Full Simulation Period[a]	9,216	9,171	9,337	9,751	10,153	10,611	10,664	10,525	10,322	9,956	9,585	9,331
Water Year Types[b,c]												
Wet (32%)	12,276	12,340	12,332	11,283	11,795	12,209	12,505	12,562	12,573	12,544	12,441	12,321
Above Normal (15%)	10,907	10,939	10,993	10,029	10,567	11,308	11,393	11,390	11,250	11,081	10,917	10,783
Below Normal (17%)	8,640	8,490	8,787	8,914	9,435	9,992	10,059	9,931	9,791	9,421	8,990	8,778
Dry (22%)	7,222	7,055	7,242	9,529	9,784	10,193	10,061	9,870	9,412	8,658	7,965	7,512
Critical (15%)	4,557	4,506	4,977	7,460	7,572	7,799	7,556	6,924	6,500	5,791	5,186	4,773

Table 5B1-9-2c. Sites Reservoir Surface Area, Alternative 1B 011221 minus No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,739	12,922	12,904	13,127	13,129	13,129	13,125	13,106	13,124	13,077	12,945	12,822
20%	12,661	12,647	12,643	12,760	13,128	13,126	13,110	13,082	13,035	12,986	12,863	12,754
30%	12,033	12,019	12,033	12,418	12,649	13,020	13,015	12,767	12,675	12,538	12,370	12,225
40%	11,114	11,024	11,287	11,419	11,678	12,306	12,315	12,268	12,061	11,700	11,390	11,123
50%	10,052	10,004	10,017	10,433	10,822	10,939	10,919	11,289	11,323	11,077	10,476	10,224
60%	9,562	9,495	9,537	9,811	10,113	10,251	10,419	10,434	10,080	9,916	9,755	9,575
70%	6,790	6,572	6,944	7,492	8,247	9,417	9,852	9,701	9,448	8,467	7,753	7,005
80%	5,392	5,060	5,539	6,345	7,352	8,494	8,573	8,404	7,817	6,889	6,115	5,586
90%	4,338	4,344	4,568	5,148	5,743	6,818	6,727	6,529	6,290	5,571	4,735	4,492
Long Term												
Full Simulation Period[a]	9,216	9,171	9,337	9,751	10,153	10,611	10,664	10,525	10,322	9,956	9,585	9,331
Water Year Types[b,c]												
Wet (32%)	12,276	12,340	12,332	11,283	11,795	12,209	12,505	12,562	12,573	12,544	12,441	12,321
Above Normal (15%)	10,907	10,939	10,993	10,029	10,567	11,308	11,393	11,390	11,250	11,081	10,917	10,783
Below Normal (17%)	8,640	8,490	8,787	8,914	9,435	9,992	10,059	9,931	9,791	9,421	8,990	8,778
Dry (22%)	7,222	7,055	7,242	9,529	9,784	10,193	10,061	9,870	9,412	8,658	7,965	7,512
Critical (15%)	4,557	4,506	4,977	7,460	7,572	7,799	7,556	6,924	6,500	5,791	5,186	4,773

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-9-3a. Sites Reservoir Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

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

Table 5B1-9-3b. Sites Reservoir Surface Area, Alternative 2 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,836	12,113	12,122	12,297	12,297	12,297	12,297	12,275	12,296	12,243	12,089	11,947
20%	11,772	11,776	11,805	12,090	12,297	12,297	12,282	12,257	12,220	12,159	12,033	11,885
30%	11,643	11,606	11,651	11,764	12,055	12,296	12,259	12,236	12,155	12,085	11,937	11,784
40%	10,823	10,785	10,983	11,294	11,620	12,118	12,097	11,954	11,785	11,495	11,141	10,905
50%	9,863	9,984	9,967	10,311	10,433	10,994	11,078	11,071	10,954	10,722	10,368	9,979
60%	9,256	9,047	9,007	9,352	9,611	10,069	10,487	10,256	10,193	9,930	9,565	9,312
70%	6,525	6,374	6,951	7,487	8,383	9,373	9,563	9,483	9,240	8,174	7,202	6,656
80%	5,255	5,256	5,666	6,378	7,484	8,456	8,384	8,224	7,851	7,020	5,966	5,531
90%	4,536	4,648	4,807	5,707	5,947	6,784	6,695	6,580	6,356	5,648	4,854	4,678
Long Term												
Full Simulation Period[a]	8,918	8,902	9,067	9,464	9,845	10,287	10,329	10,211	10,048	9,693	9,318	9,047
Water Year Types[b,c]												
Wet (32%)	11,576	11,669	11,683	10,842	11,304	11,654	11,891	11,927	11,930	11,897	11,769	11,622
Above Normal (15%)	10,873	10,908	10,943	9,845	10,350	11,089	11,167	11,169	11,188	11,104	10,941	10,785
Below Normal (17%)	8,519	8,425	8,692	8,714	9,219	9,778	9,849	9,792	9,719	9,395	8,963	8,681
Dry (22%)	6,938	6,822	7,019	9,236	9,492	9,898	9,804	9,658	9,214	8,413	7,726	7,250
Critical (15%)	4,644	4,576	5,033	7,317	7,440	7,696	7,453	6,856	6,465	5,775	5,188	4,848

Table 5B1-9-3c. Sites Reservoir Surface Area, Alternative 2 011221 minus No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,836	12,113	12,122	12,297	12,297	12,297	12,297	12,275	12,296	12,243	12,089	11,947
20%	11,772	11,776	11,805	12,090	12,297	12,297	12,282	12,257	12,220	12,159	12,033	11,885
30%	11,643	11,606	11,651	11,764	12,055	12,296	12,259	12,236	12,155	12,085	11,937	11,784
40%	10,823	10,785	10,983	11,294	11,620	12,118	12,097	11,954	11,785	11,495	11,141	10,905
50%	9,863	9,984	9,967	10,311	10,433	10,994	11,078	11,071	10,954	10,722	10,368	9,979
60%	9,256	9,047	9,007	9,352	9,611	10,069	10,487	10,256	10,193	9,930	9,565	9,312
70%	6,525	6,374	6,951	7,487	8,383	9,373	9,563	9,483	9,240	8,174	7,202	6,656
80%	5,255	5,256	5,666	6,378	7,484	8,456	8,384	8,224	7,851	7,020	5,966	5,531
90%	4,536	4,648	4,807	5,707	5,947	6,784	6,695	6,580	6,356	5,648	4,854	4,678
Long Term												
Full Simulation Period[a]	8,918	8,902	9,067	9,464	9,845	10,287	10,329	10,211	10,048	9,693	9,318	9,047
Water Year Types[b,c]												
Wet (32%)	11,576	11,669	11,683	10,842	11,304	11,654	11,891	11,927	11,930	11,897	11,769	11,622
Above Normal (15%)	10,873	10,908	10,943	9,845	10,350	11,089	11,167	11,169	11,188	11,104	10,941	10,785
Below Normal (17%)	8,519	8,425	8,692	8,714	9,219	9,778	9,849	9,792	9,719	9,395	8,963	8,681
Dry (22%)	6,938	6,822	7,019	9,236	9,492	9,898	9,804	9,658	9,214	8,413	7,726	7,250
Critical (15%)	4,644	4,576	5,033	7,317	7,440	7,696	7,453	6,856	6,465	5,775	5,188	4,848

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

Table 5B1-9-4a. Sites Reservoir Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

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

Table 5B1-9-4b. Sites Reservoir Surface Area, Alternative 3 020121, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,728	12,938	12,909	13,130	13,130	13,130	13,121	13,106	13,115	13,073	12,942	12,816
20%	12,643	12,615	12,644	12,690	13,076	13,128	13,106	13,082	13,031	12,986	12,848	12,736
30%	11,187	11,132	11,249	11,478	11,799	12,560	12,888	12,713	12,271	11,825	11,495	11,319
40%	10,194	10,067	10,122	10,265	11,006	11,564	11,604	11,479	11,314	10,866	10,442	10,269
50%	8,994	9,037	9,211	9,758	10,096	10,796	10,850	10,903	10,446	9,955	9,248	9,036
60%	8,022	7,984	7,971	8,649	8,859	9,558	9,890	9,946	9,575	9,213	8,903	8,444
70%	5,388	5,496	6,159	7,002	7,904	8,887	8,905	8,453	7,721	6,847	5,990	5,463
80%	4,782	4,757	4,946	5,850	6,907	7,663	7,753	7,630	7,174	6,000	5,088	4,879
90%	3,914	3,905	4,297	4,778	5,388	6,167	6,099	6,067	5,664	4,828	4,342	4,069
Long Term												
Full Simulation Period[a]	8,598	8,587	8,778	9,237	9,687	10,199	10,270	10,104	9,828	9,333	8,942	8,696
Water Year Types[b,c]												
Wet (32%)	12,174	12,240	12,232	10,905	11,467	11,994	12,356	12,438	12,458	12,428	12,321	12,209
Above Normal (15%)	9,942	10,000	10,101	9,693	10,291	11,102	11,197	11,194	10,964	10,411	9,981	9,775
Below Normal (17%)	7,654	7,581	7,882	8,409	9,000	9,598	9,664	9,510	9,158	8,547	8,081	7,836
Dry (22%)	6,192	6,089	6,320	8,700	9,000	9,447	9,307	9,011	8,442	7,558	6,924	6,481
Critical (15%)	4,219	4,176	4,705	6,941	7,058	7,235	6,973	6,287	5,853	5,133	4,615	4,332

Table 5B1-9-4c. Sites Reservoir Surface Area, Alternative 3 020121 minus No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,728	12,938	12,909	13,130	13,130	13,130	13,121	13,106	13,115	13,073	12,942	12,816
20%	12,643	12,615	12,644	12,690	13,076	13,128	13,106	13,082	13,031	12,986	12,848	12,736
30%	11,187	11,132	11,249	11,478	11,799	12,560	12,888	12,713	12,271	11,825	11,495	11,319
40%	10,194	10,067	10,122	10,265	11,006	11,564	11,604	11,479	11,314	10,866	10,442	10,269
50%	8,994	9,037	9,211	9,758	10,096	10,796	10,850	10,903	10,446	9,955	9,248	9,036
60%	8,022	7,984	7,971	8,649	8,859	9,558	9,890	9,946	9,575	9,213	8,903	8,444
70%	5,388	5,496	6,159	7,002	7,904	8,887	8,905	8,453	7,721	6,847	5,990	5,463
80%	4,782	4,757	4,946	5,850	6,907	7,663	7,753	7,630	7,174	6,000	5,088	4,879
90%	3,914	3,905	4,297	4,778	5,388	6,167	6,099	6,067	5,664	4,828	4,342	4,069
Long Term												
Full Simulation Period[a]	8,598	8,587	8,778	9,237	9,687	10,199	10,270	10,104	9,828	9,333	8,942	8,696
Water Year Types[b,c]												
Wet (32%)	12,174	12,240	12,232	10,905	11,467	11,994	12,356	12,438	12,458	12,428	12,321	12,209
Above Normal (15%)	9,942	10,000	10,101	9,693	10,291	11,102	11,197	11,194	10,964	10,411	9,981	9,775
Below Normal (17%)	7,654	7,581	7,882	8,409	9,000	9,598	9,664	9,510	9,158	8,547	8,081	7,836
Dry (22%)	6,192	6,089	6,320	8,700	9,000	9,447	9,307	9,011	8,442	7,558	6,924	6,481
Critical (15%)	4,219	4,176	4,705	6,941	7,058	7,235	6,973	6,287	5,853	5,133	4,615	4,332

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

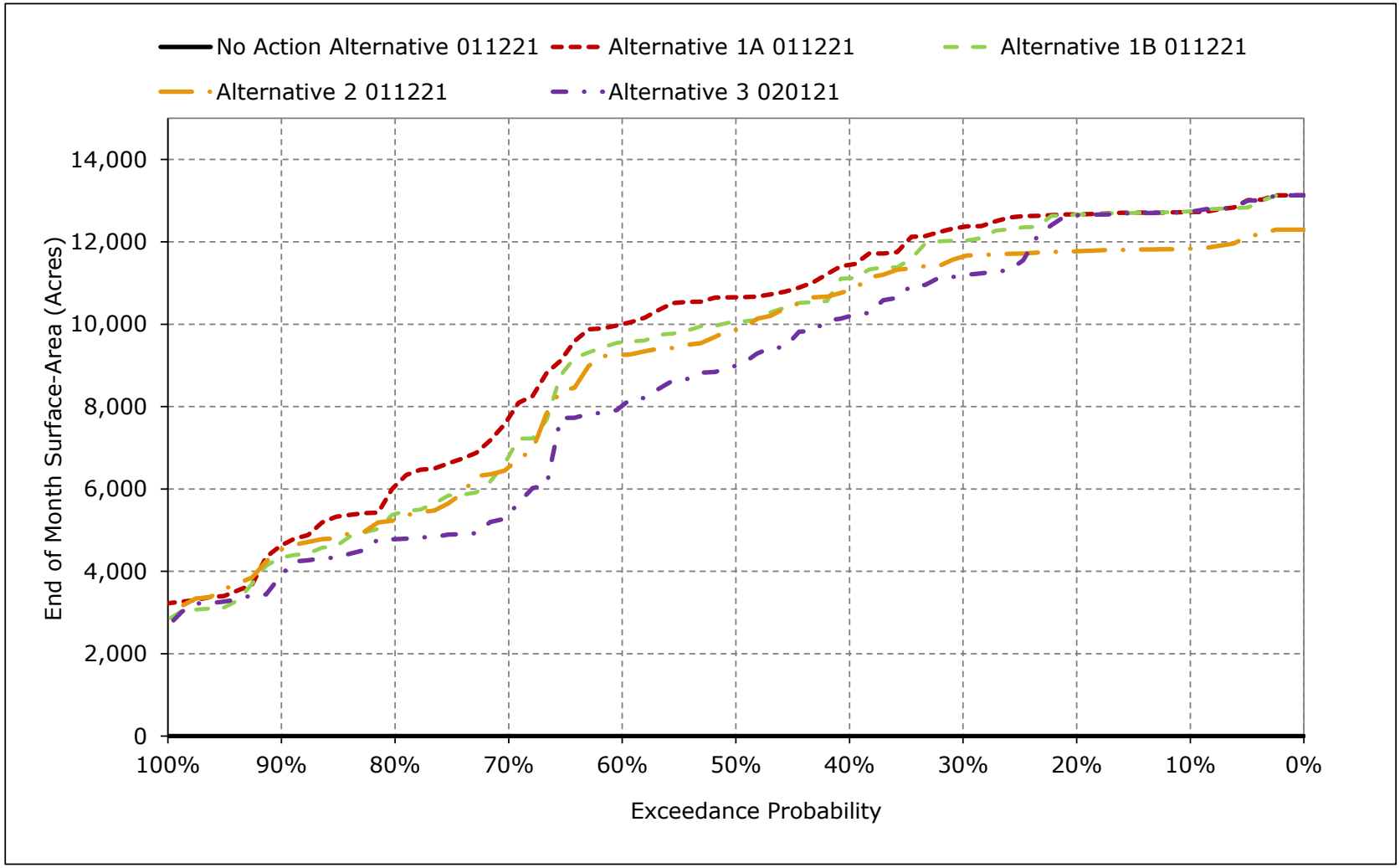


Figure 5B1-9-2. Sites Reservoir Surface Area, November

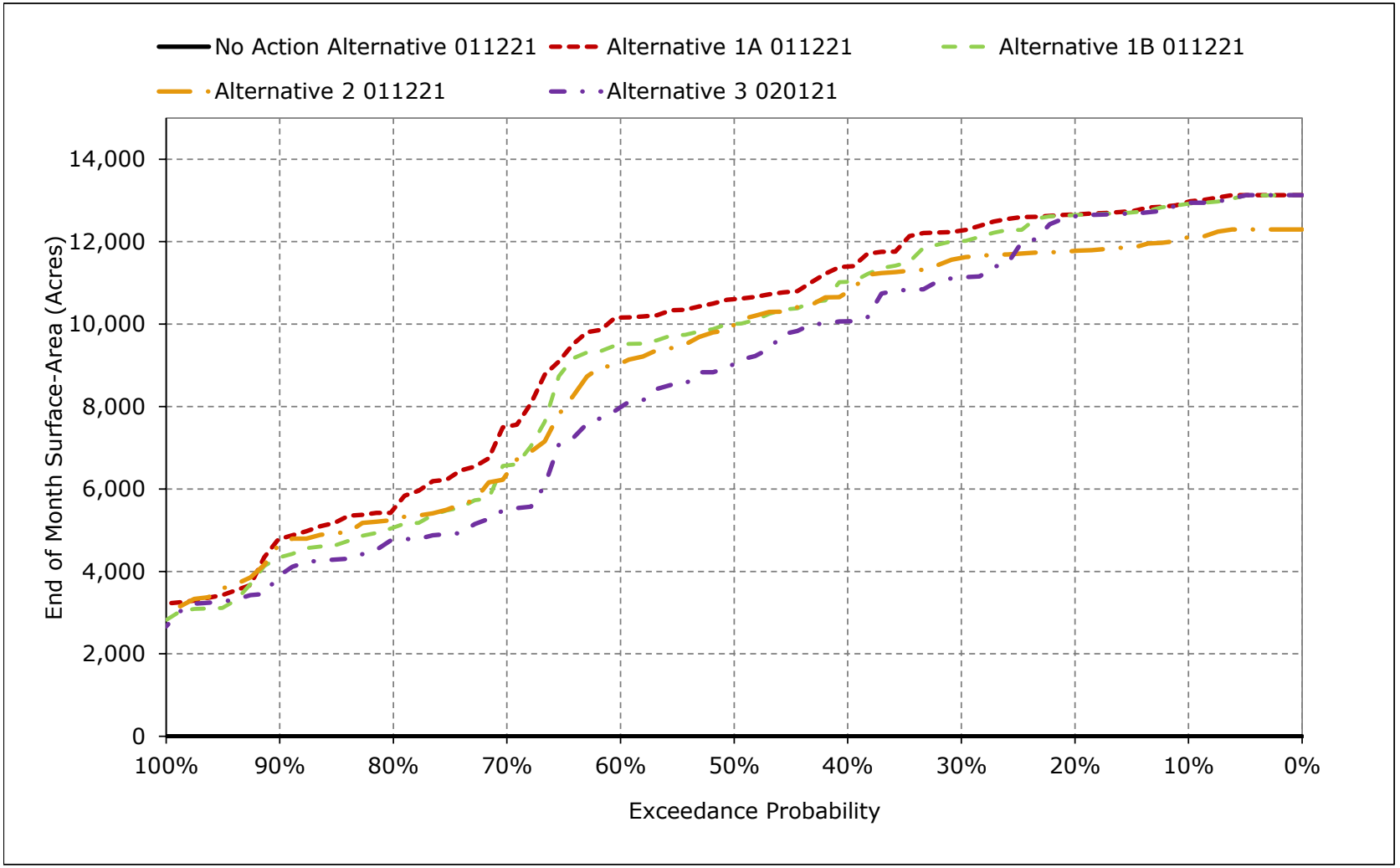


Figure 5B1-9-3. Sites Reservoir Surface Area, December

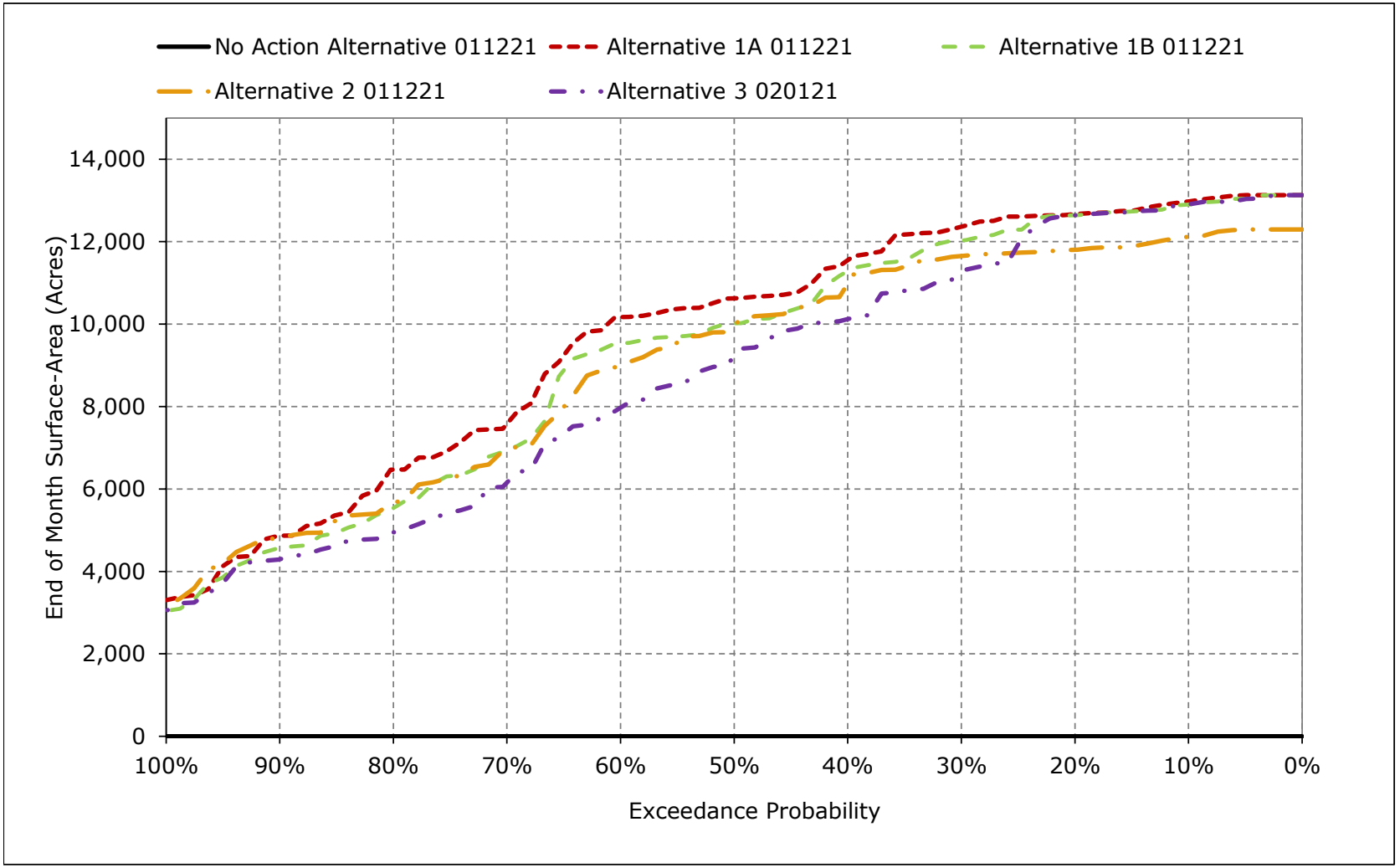


Figure 5B1-9-4. Sites Reservoir Surface Area, January

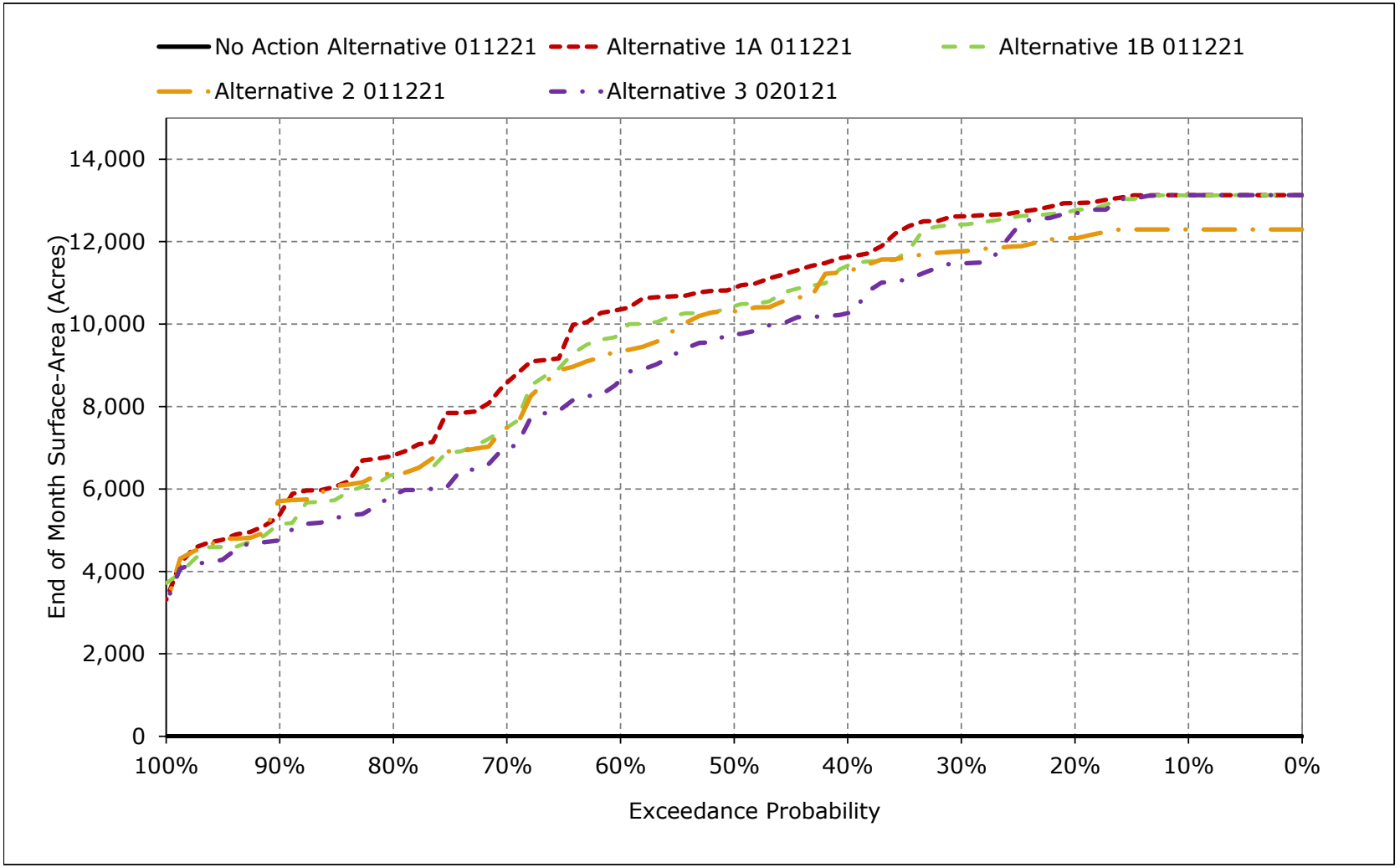


Figure 5B1-9-5. Sites Reservoir Surface Area, February

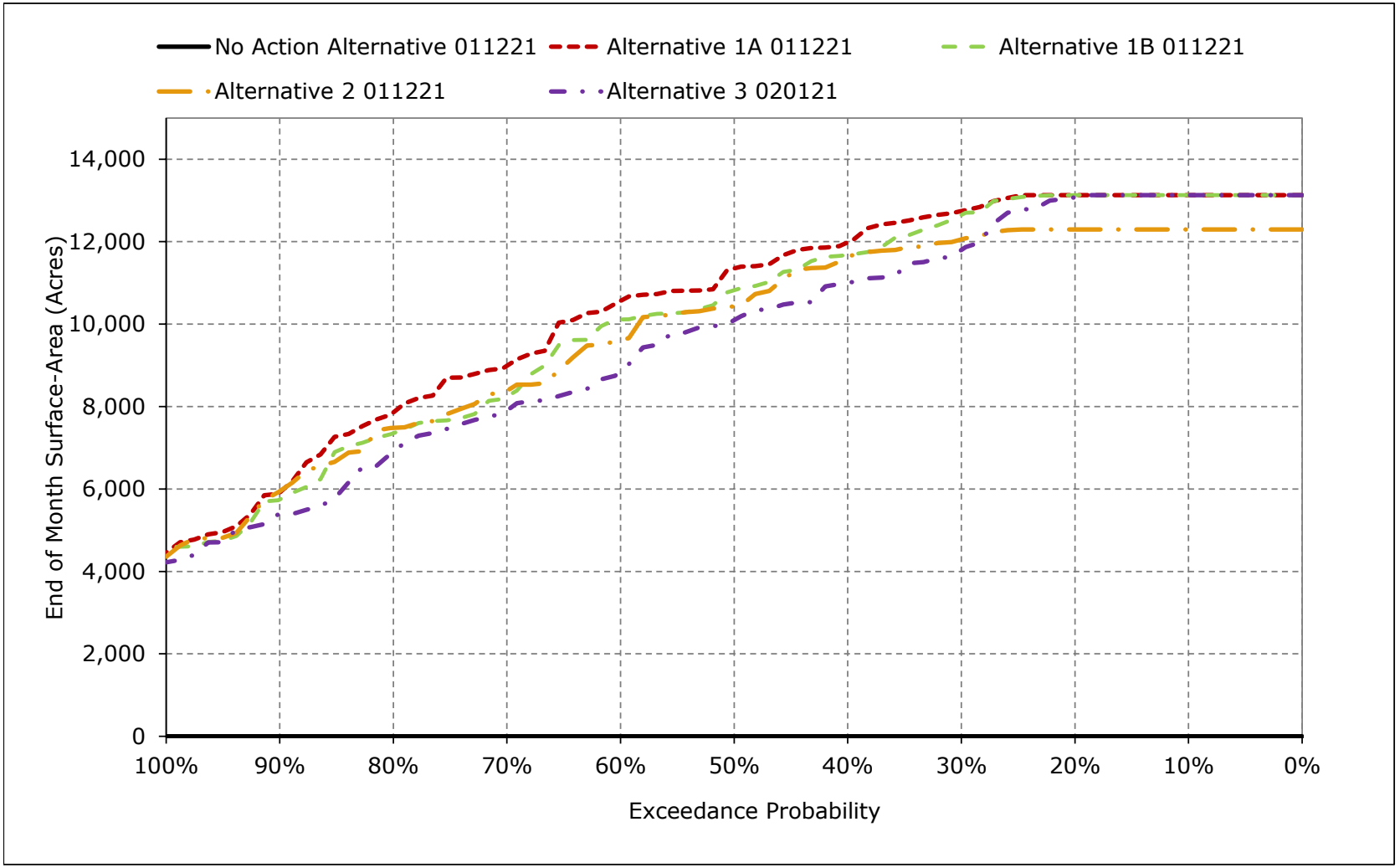


Figure 5B1-9-6. Sites Reservoir Surface Area, March

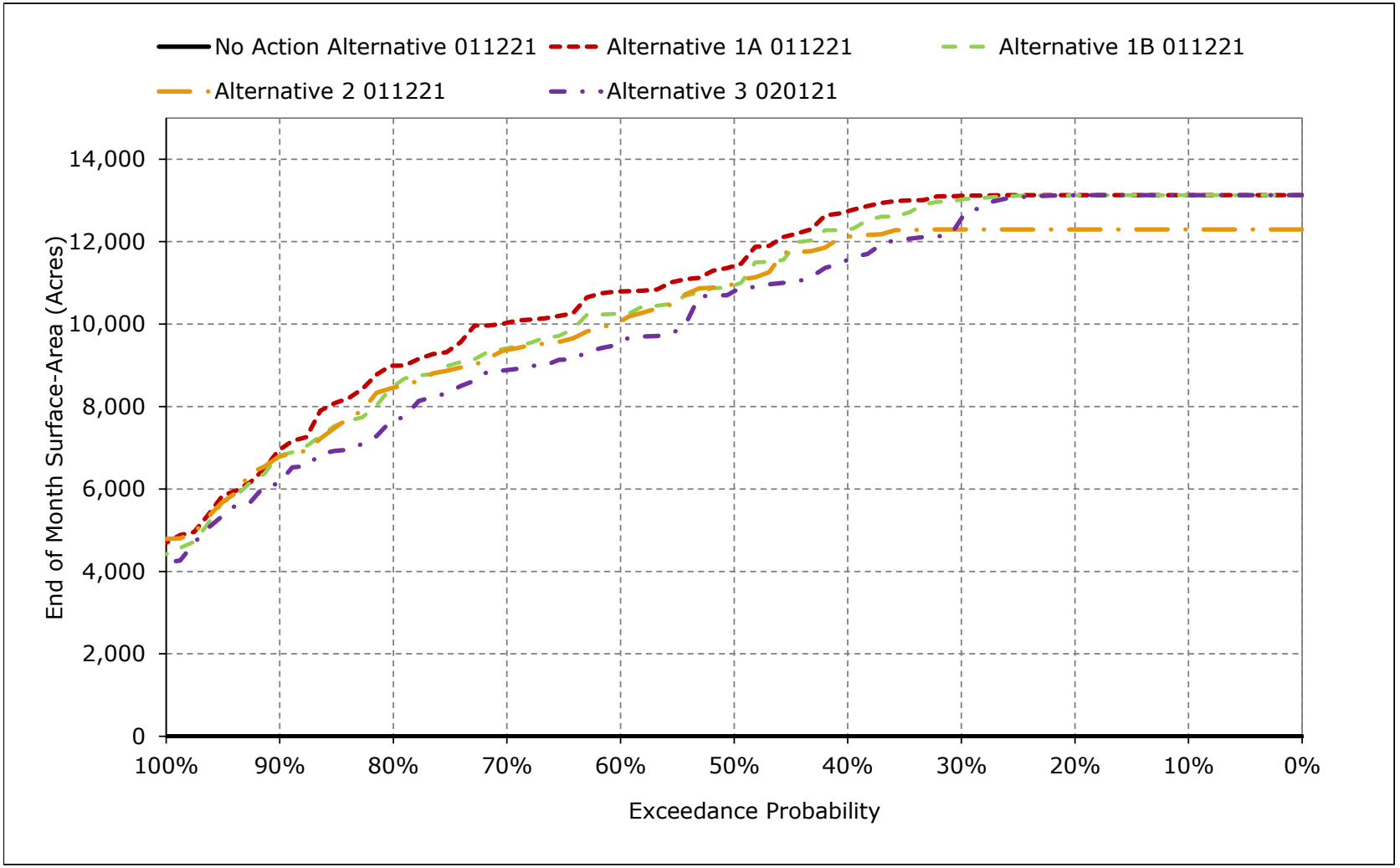


Figure 5B1-9-7. Sites Reservoir Surface Area, April

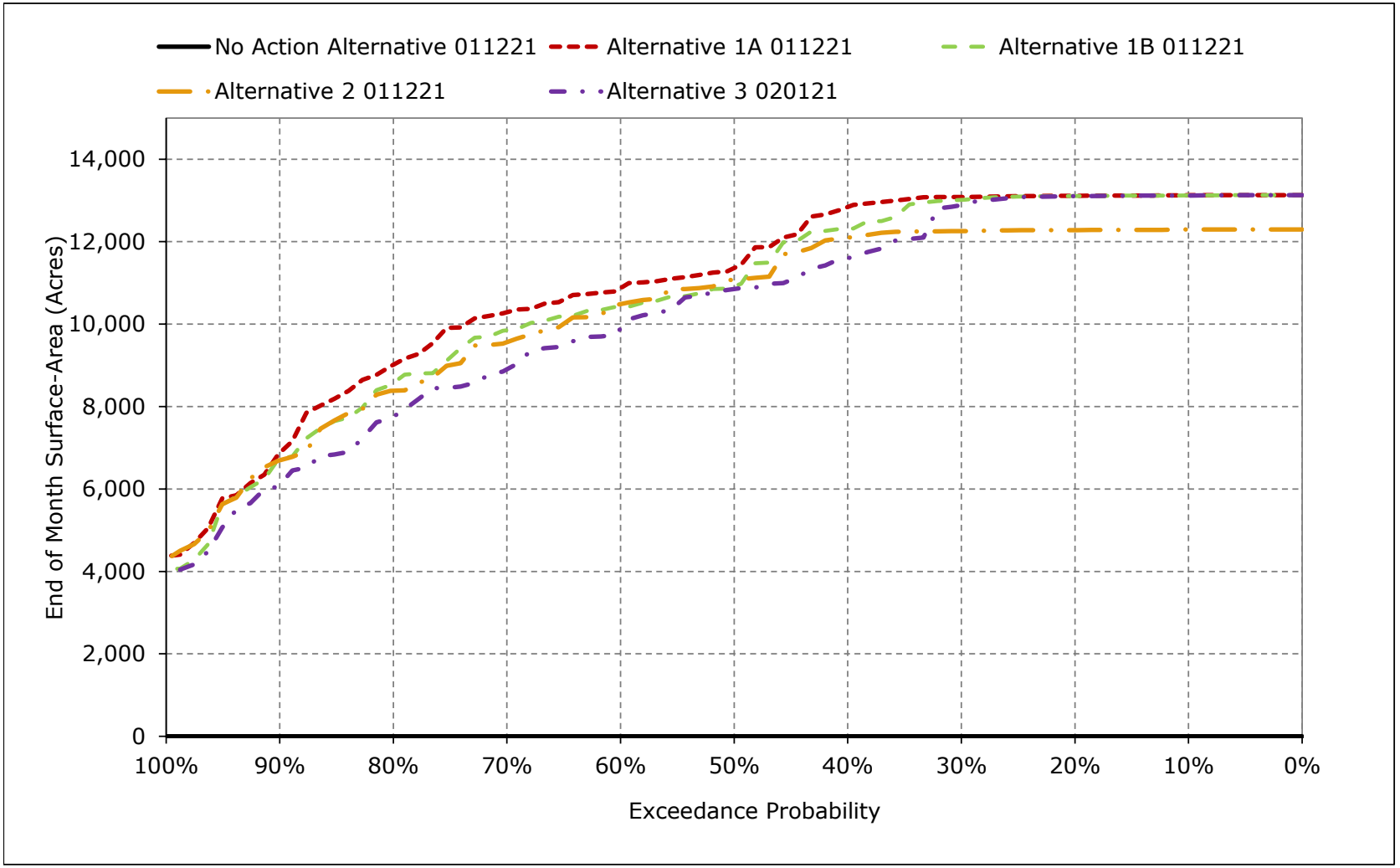


Figure 5B1-9-8. Sites Reservoir Surface Area, May

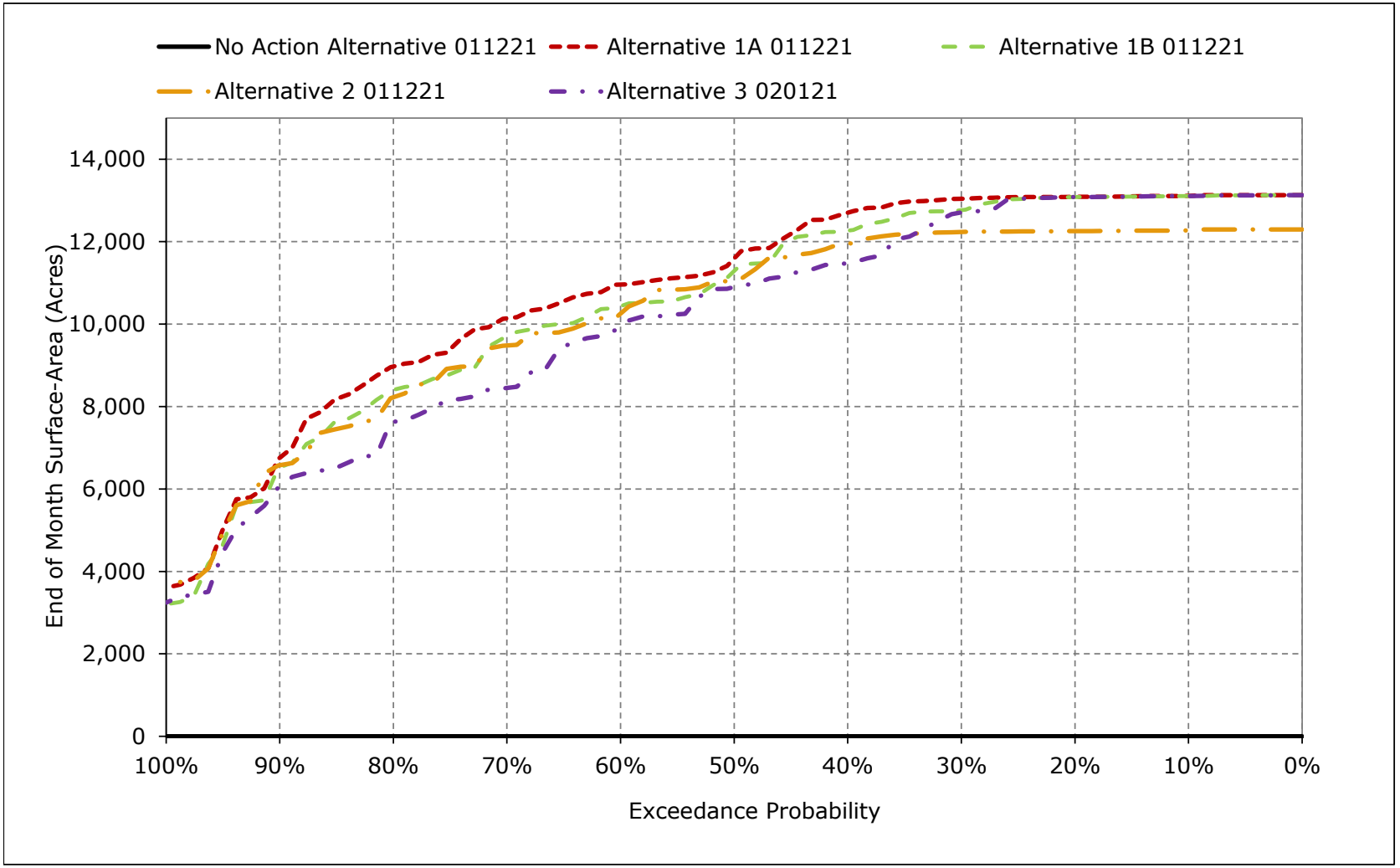


Figure 5B1-9-9. Sites Reservoir Surface Area, June

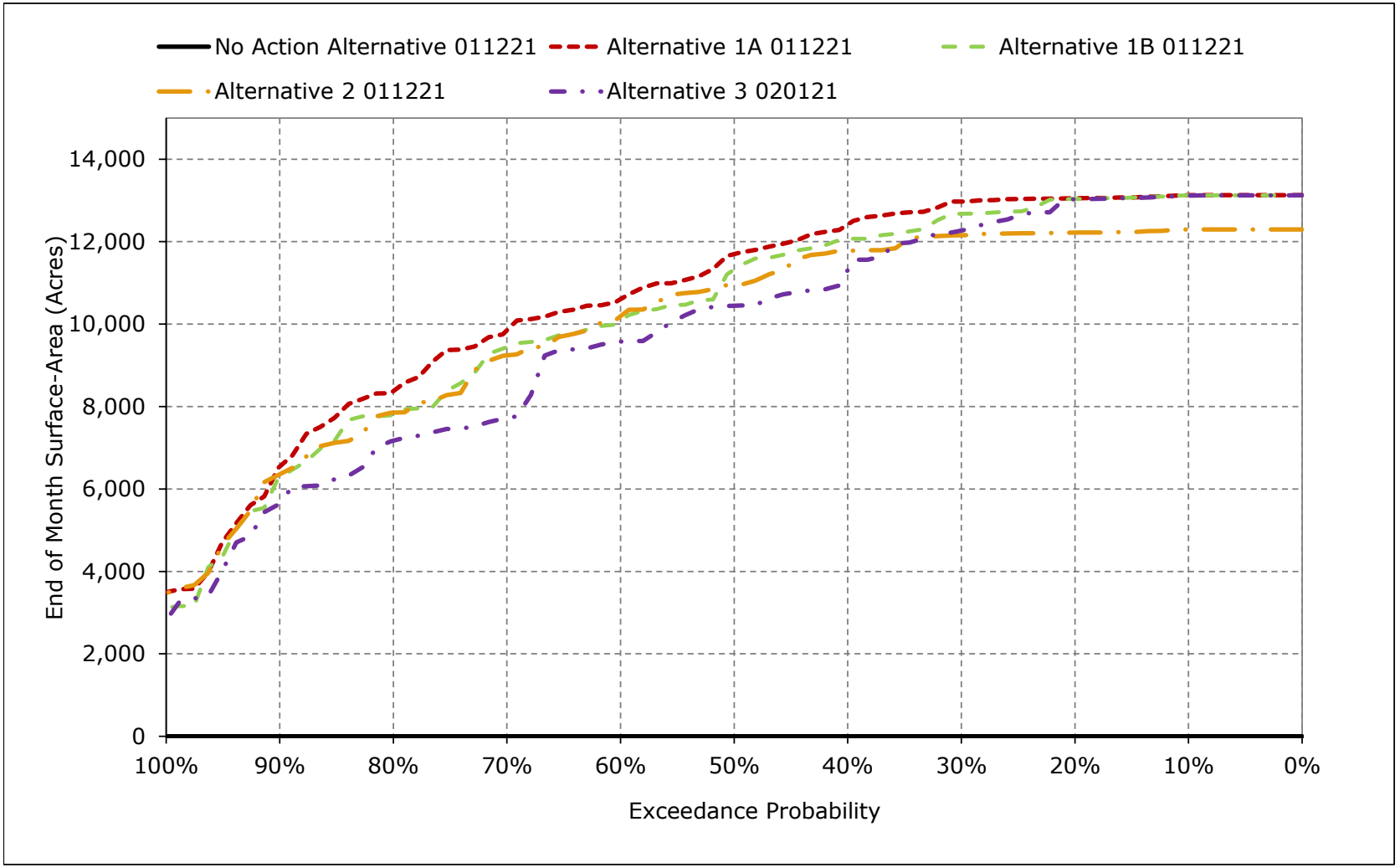


Figure 5B1-9-10. Sites Reservoir Surface Area, July

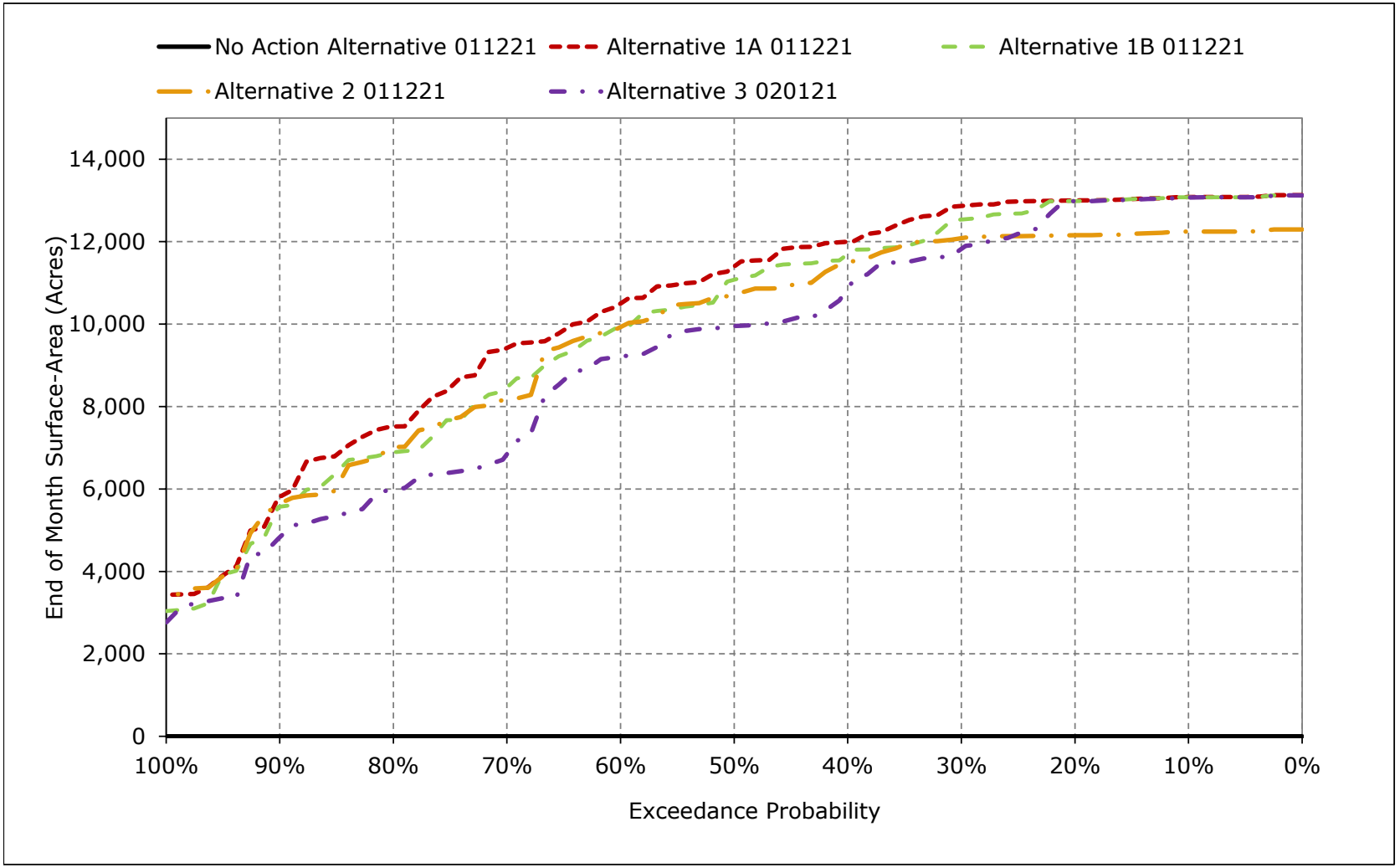


Figure 5B1-9-11. Sites Reservoir Surface Area, August

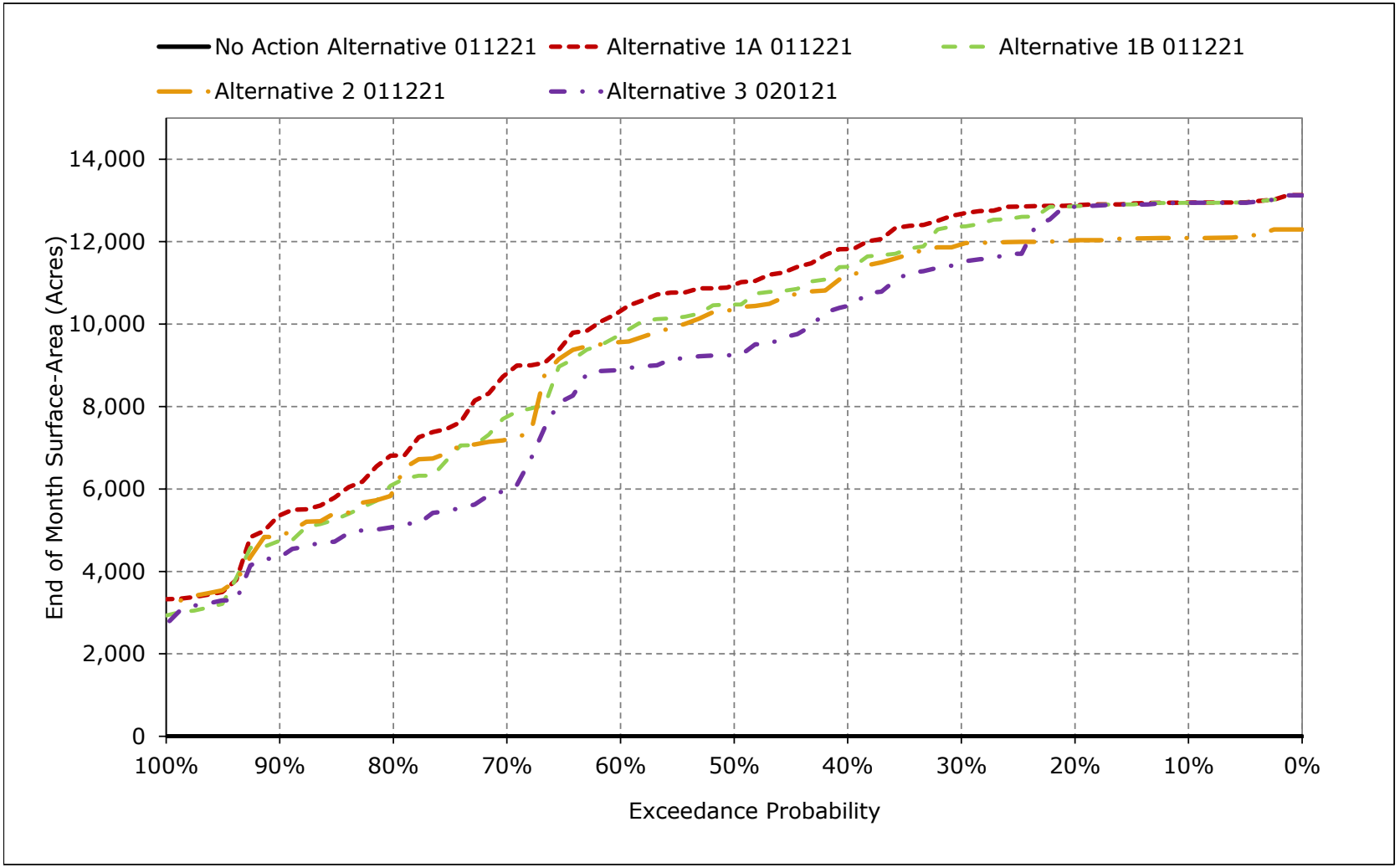


Figure 5B1-9-12. Sites Reservoir Surface Area, September