Appendix 5B2 – River Operations (CalSim II)

The following results of the CalSim II model are included for river 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

Section	Output Parameters	Table Numbers	Figure Numbers
Trinity	Trinity Lake Storage	5B2-1-1a to 5B2-1-4c	5B2-1-1 to 5B2-1-12
Trinity	Trinity Lake Elevation	5B2-2-1a to 5B2-2-4c	5B2-2-1 to 5B2-2-12
Trinity	Trinity Lake Surface Area	5B2-3-1a to 5B2-3-4c	5B2-3-1 to 5B2-3-12
Trinity	Trinity River Flow below Lewiston	5B2-4-1a to 5B2-4-4c	5B2-4-1 to 5B2-4-18
Trinity	Trinity Import - Clear Creek Tunnel	5B2-5-1a to 5B2-5-4c	5B2-5-1 to 5B2-5-18
Sacramento	Clear Creek below Whiskeytown Dam Flow	5B2-6-1a to 5B2-6-4c	5B2-6-1 to 5B2-6-18
Sacramento	Shasta Lake Storage	5B2-7-1a to 5B2-7-4c	5B2-7-1 to 5B2-7-12
Sacramento	Shasta Lake Elevation	5B2-8-1a to 5B2-8-4c	5B2-8-1 to 5B2-8-12
Sacramento	Shasta Lake Surface Area	5B2-9-1a to 5B2-9-4c	5B2-9-1 to 5B2-9-12
Sacramento	Sacramento River Flow downstream of Keswick Reservoir	5B2-10-1a to 5B2-10-4c	5B2-10-1 to 5B2-10-18
Sacramento	Sacramento Flow River at Bend Bridge	5B2-11-1a to 5B2-11-4c	5B2-11-1 to 5B2-11-18
Sacramento	Sacramento River below Red Bluff Diversion Dam Flow	5B2-12-1a to 5B2-12-4c	5B2-12-1 to 5B2-12-18
Sacramento	Sacramento River Flow at Hamilton City	5B2-13-1a to 5B2-13-4c	5B2-13-1 to 5B2-13-18
Sacramento	Sacramento River at Wilkins Slough Flow	5B2-14-1a to 5B2-14-4c	5B2-14-1 to 5B2-14-18
Sacramento	Colusa Basin Drain above Dunnigan Pipeline	5B2-15-1a to 5B2-15-4c	5B2-15-1 to 5B2-15-18
Sacramento	Colusa Basin Drain below Dunnigan Pipeline	5B2-16-1a to 5B2-16-4c	5B2-16-1 to 5B2-16-18
Sacramento	Sacramento River below Colusa Basin Drain	5B2-17-1a to 5B2-17-4c	5B2-17-1 to 5B2-17-18
Sacramento	Fremont Weir Spills	5B2-18-1a to 5B2-18-4c	5B2-18-1 to 5B2-18-18
Feather	Lake Oroville Storage	5B2-19-1a to 5B2-19-4c	5B2-19-1 to 5B2-19-12
Feather	Lake Oroville Elevation	5B2-20-1a to 5B2-20-4c	5B2-20-1 to 5B2-20-12
Feather	Lake Oroville Surface Area	5B2-21-1a to 5B2-21-4c	5B2-21-1 to 5B2-21-12
Feather	Feather River Flow downstream of Thermalito	5B2-22-1a to 5B2-22-4c	5B2-22-1 to 5B2-22-18
Feather	Feather River at Sacramento River Confluence Flow	5B2-23-1a to 5B2-23-4c	5B2-23-1 to 5B2-23-18
American	Folsom Lake Storage	5B2-24-1a to 5B2-24-4c	5B2-24-1 to 5B2-24-12
American	Folsom Lake Elevation	5B2-25-1a to 5B2-25-4c	5B2-25-1 to 5B2-25-12
American	Folsom Lake Surface Area	5B2-26-1a to 5B2-26-4c	5B2-26-1 to 5B2-26-12
American	American River below Nimbus Dam Flow	5B2-27-1a to 5B2-27-4c	5B2-27-1 to 5B2-27-18
American	American River at H Street	5B2-28-1a to 5B2-28-4c	5B2-28-1 to 5B2-28-18

Report formats

- Monthly tables comparing 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) including all alternatives
- Monthly exceedance charts (all months) including all alternatives

Table 5B2-1-1a. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-1b. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-1c. Trinity Lake 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%	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

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 5B2-1-2a. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-2b. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-2c. Trinity Lake 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%	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

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 5B2-1-3a. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-3b. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-3c. Trinity Lake 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%	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

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 5B2-1-4a. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-4b. Trinity Lake 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%	1,850	1,850	1,850	1,900	2,000	2,100	2,300	2,383	2,385	2,270	2,150	1,975
20%	1,850	1,850	1,850	1,900	2,000	2,100	2,285	2,309	2,311	2,251	2,134	1,965
30%	1,668	1,716	1,770	1,848	1,977	2,100	2,256	2,229	2,160	2,023	1,844	1,699
40%	1,514	1,559	1,656	1,761	1,904	2,060	2,192	2,145	2,077	1,946	1,755	1,598
50%	1,389	1,418	1,526	1,625	1,744	1,884	2,047	1,976	1,900	1,744	1,567	1,420
60%	1,328	1,313	1,407	1,459	1,632	1,754	1,882	1,837	1,814	1,649	1,476	1,361
70%	1,223	1,213	1,274	1,341	1,456	1,594	1,682	1,731	1,665	1,548	1,405	1,276
80%	1,034	1,071	1,062	1,124	1,212	1,405	1,585	1,497	1,429	1,314	1,168	1,065
90%	830	821	853	872	1,000	1,004	1,200	1,195	1,168	1,073	951	856
Long Term												
Full Simulation Period[a]	1,385	1,398	1,446	1,513	1,621	1,742	1,894	1,890	1,856	1,727	1,576	1,438
Water Year Types[b,c]												
Wet (32%)	1,756	1,768	1,779	1,781	1,935	2,067	2,252	2,287	2,264	2,147	2,018	1,856
Above Normal (15%)	1,609	1,608	1,639	1,648	1,799	1,957	2,134	2,139	2,107	1,985	1,811	1,650
Below Normal (17%)	1,298	1,330	1,414	1,440	1,515	1,608	1,779	1,765	1,729	1,601	1,443	1,315
Dry (22%)	1,160	1,176	1,278	1,400	1,481	1,613	1,750	1,702	1,648	1,489	1,320	1,200
Critical (15%)	795	798	821	1,054	1,096	1,170	1,230	1,209	1,182	1,063	919	823

Table 5B2-1-4c. Trinity Lake 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%	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

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 5B2-1-1. Trinity Lake Storage, October

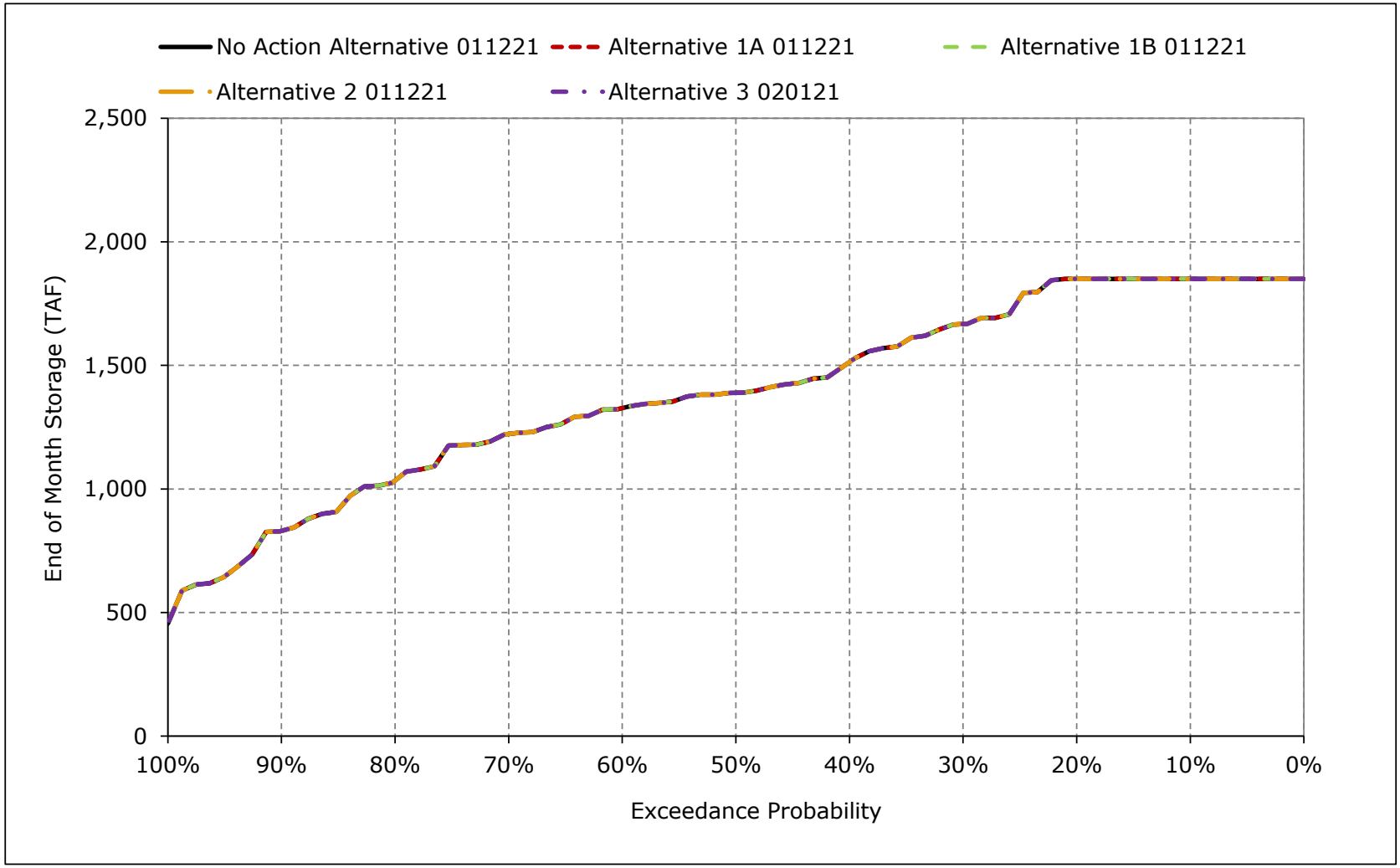


Figure 5B2-1-2. Trinity Lake Storage, November

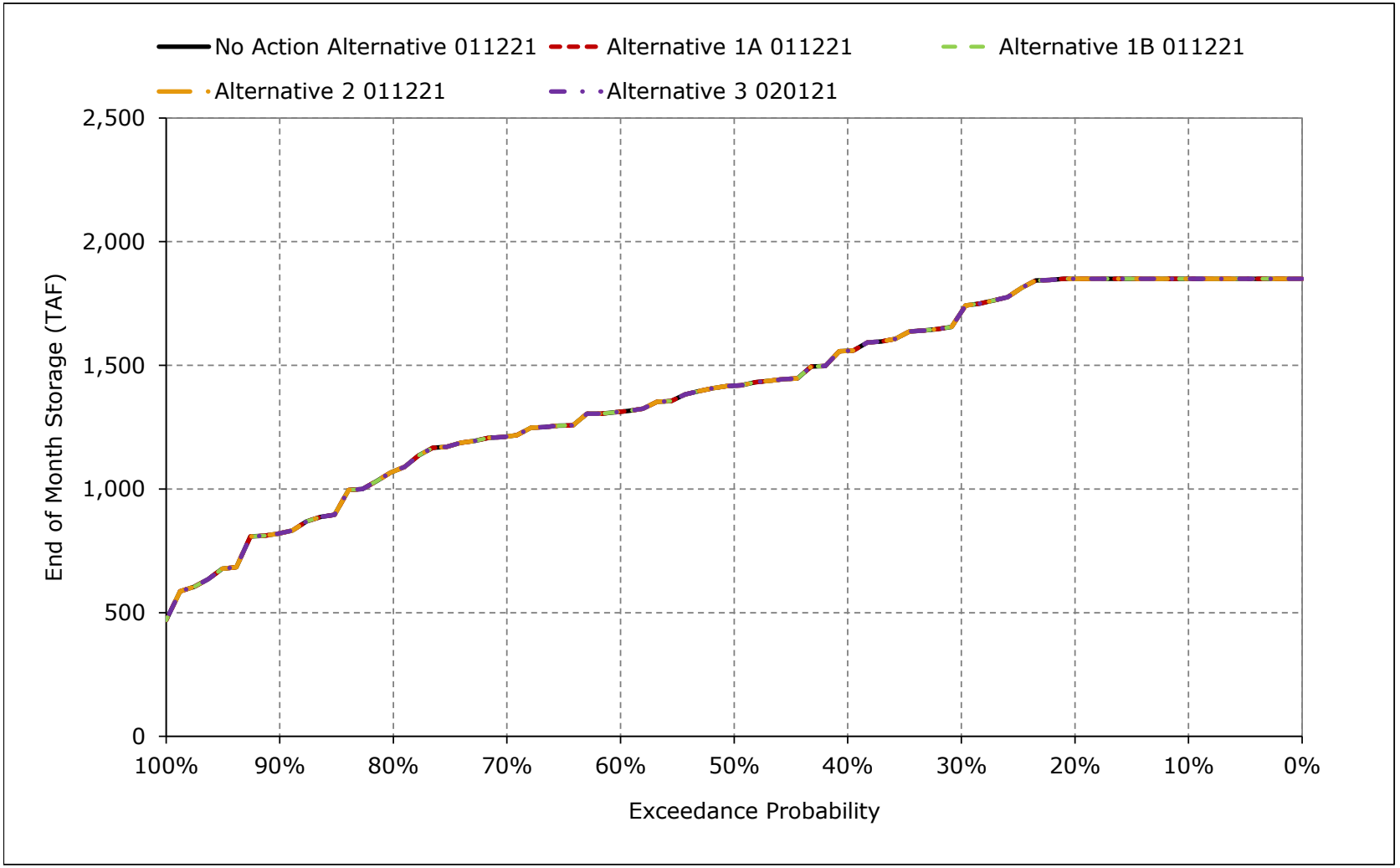


Figure 5B2-1-3. Trinity Lake Storage, December

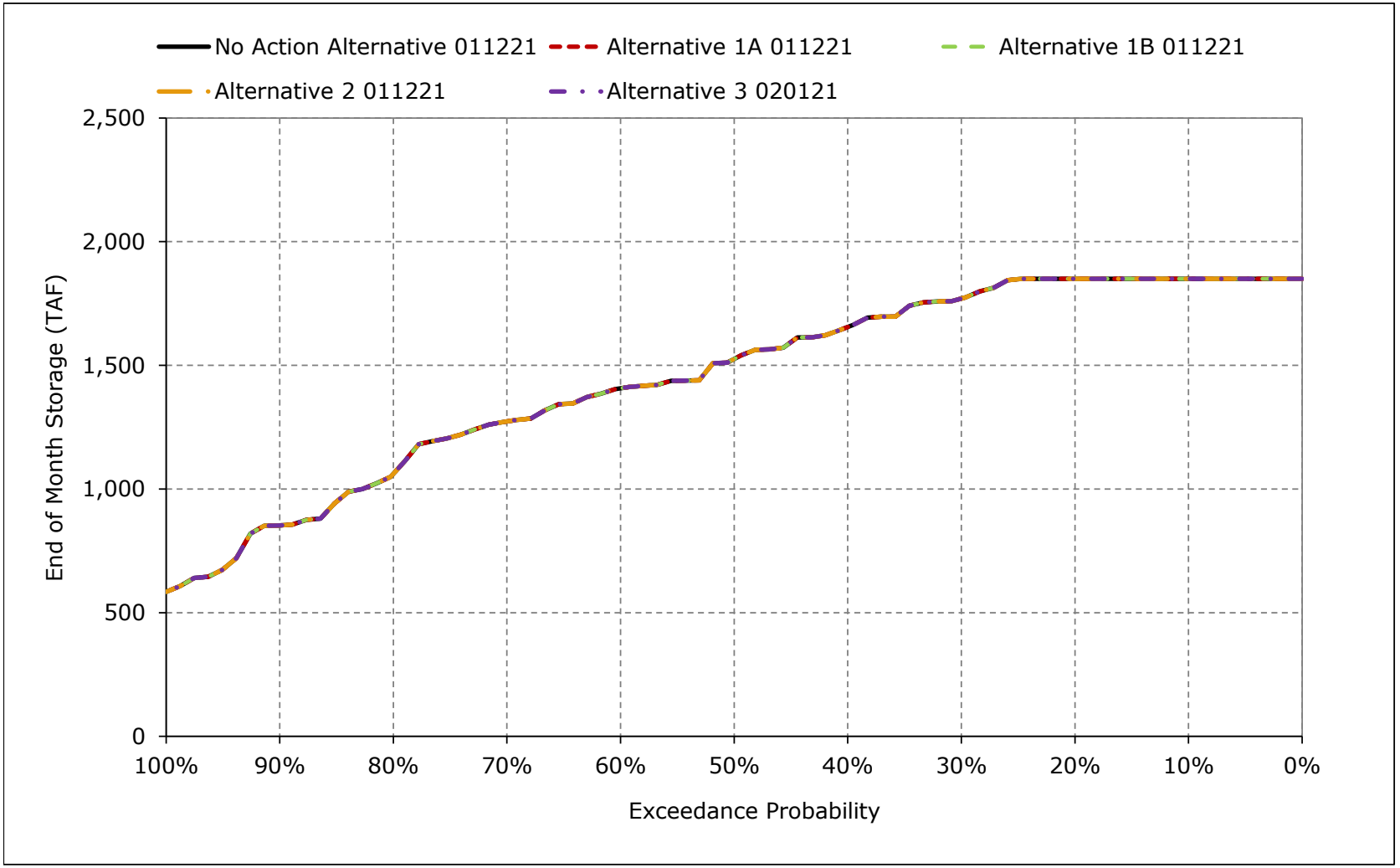


Figure 5B2-1-4. Trinity Lake Storage, January

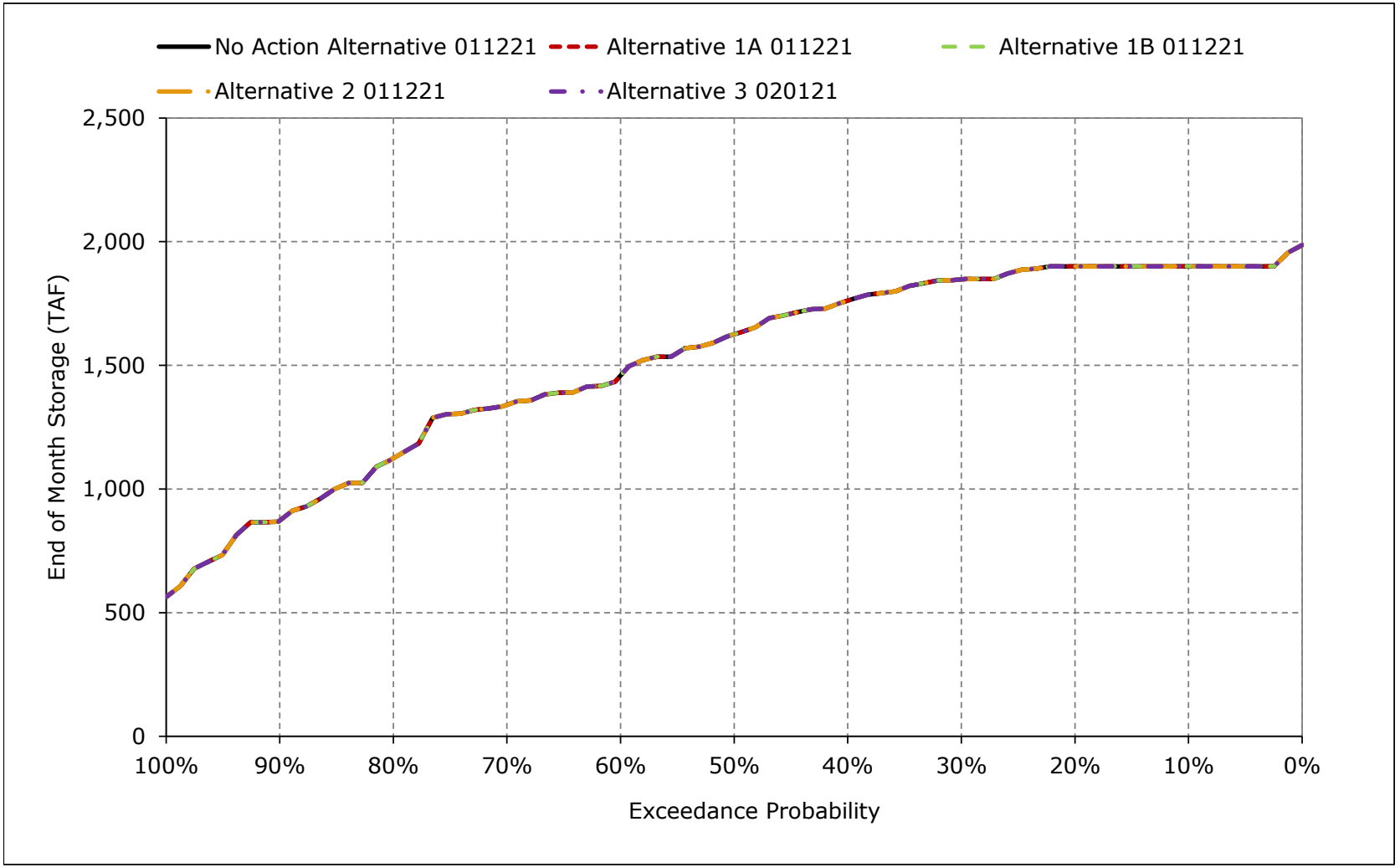


Figure 5B2-1-5. Trinity Lake Storage, February

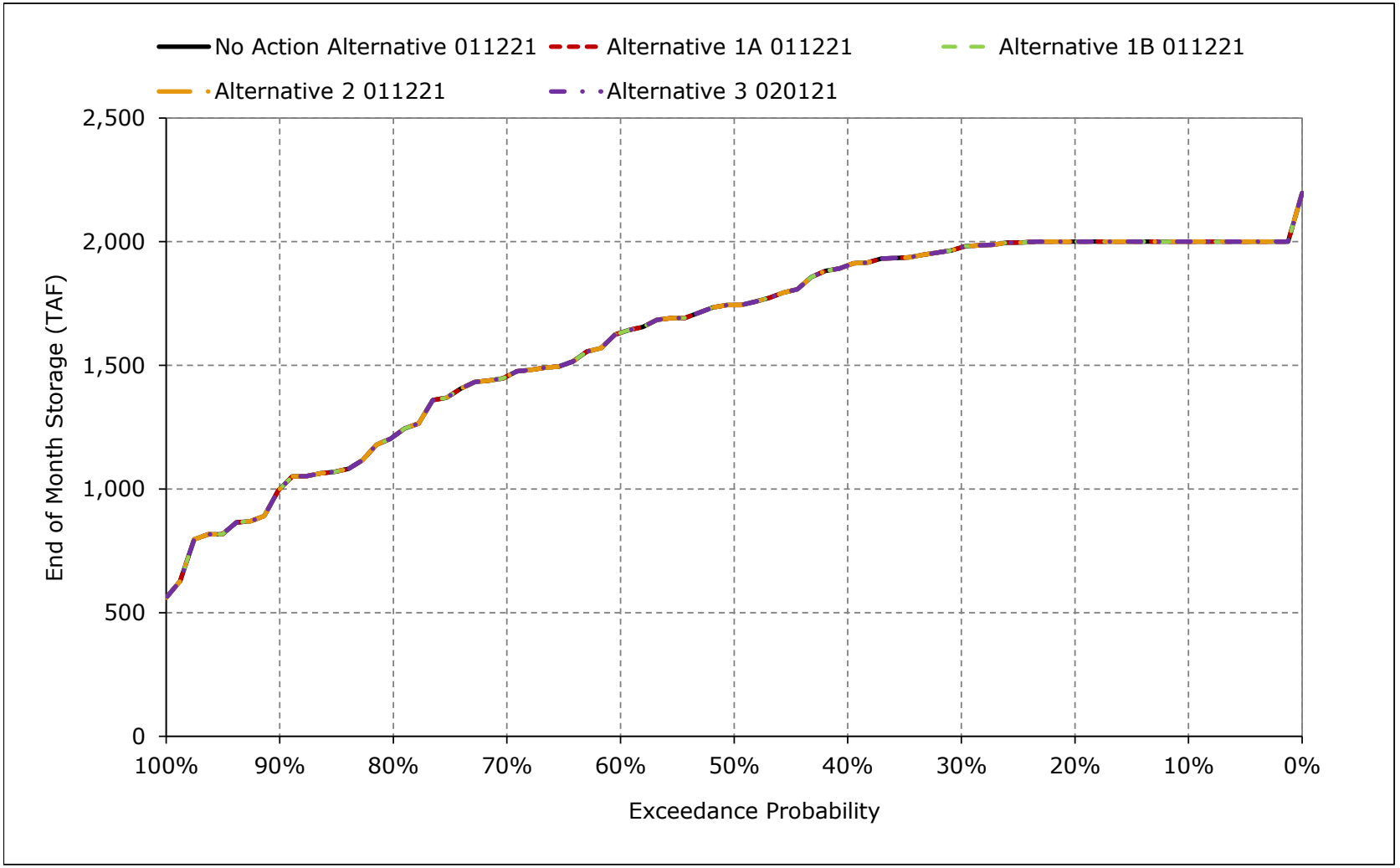


Figure 5B2-1-6. Trinity Lake Storage, March

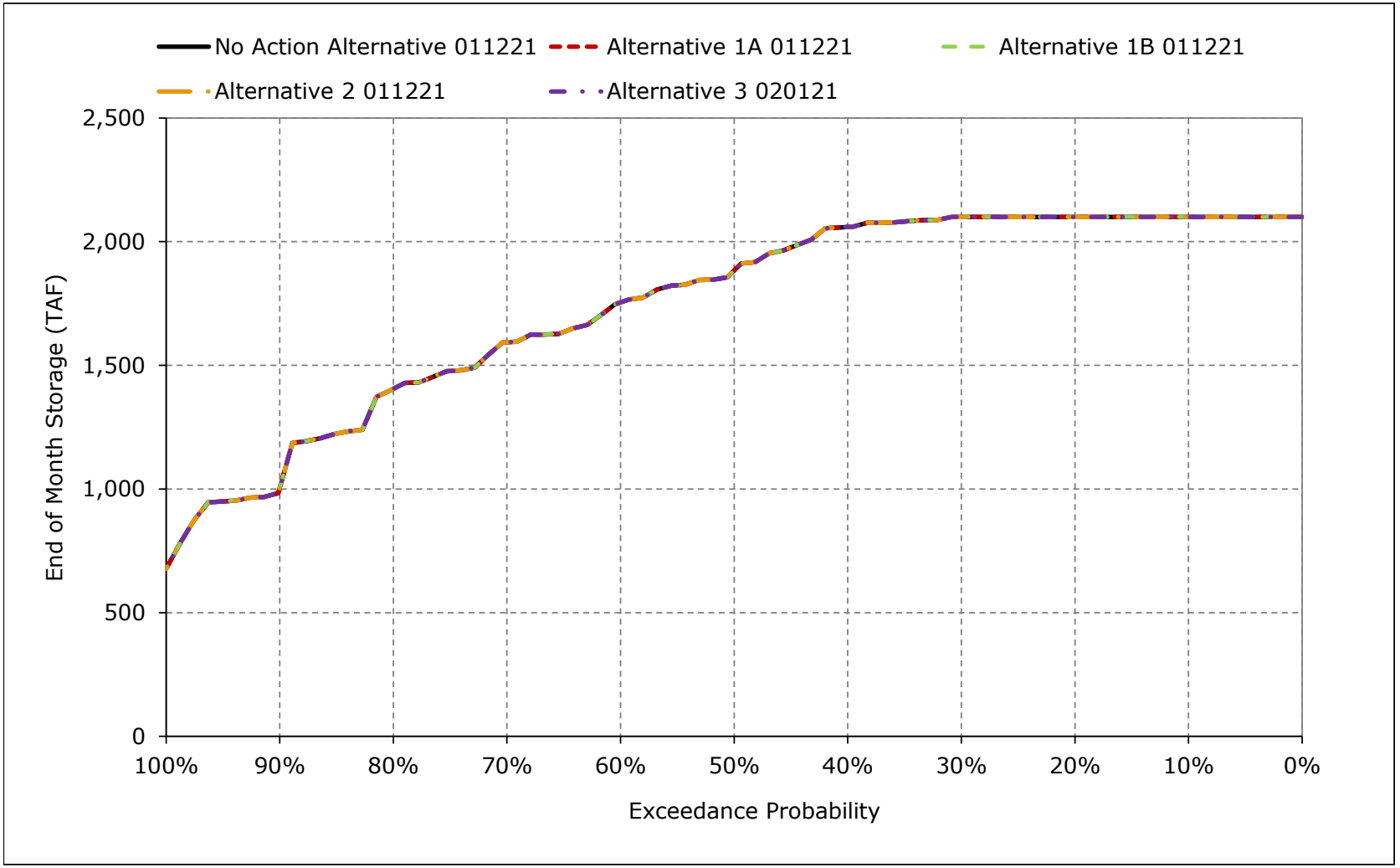


Figure 5B2-1-7. Trinity Lake Storage, April

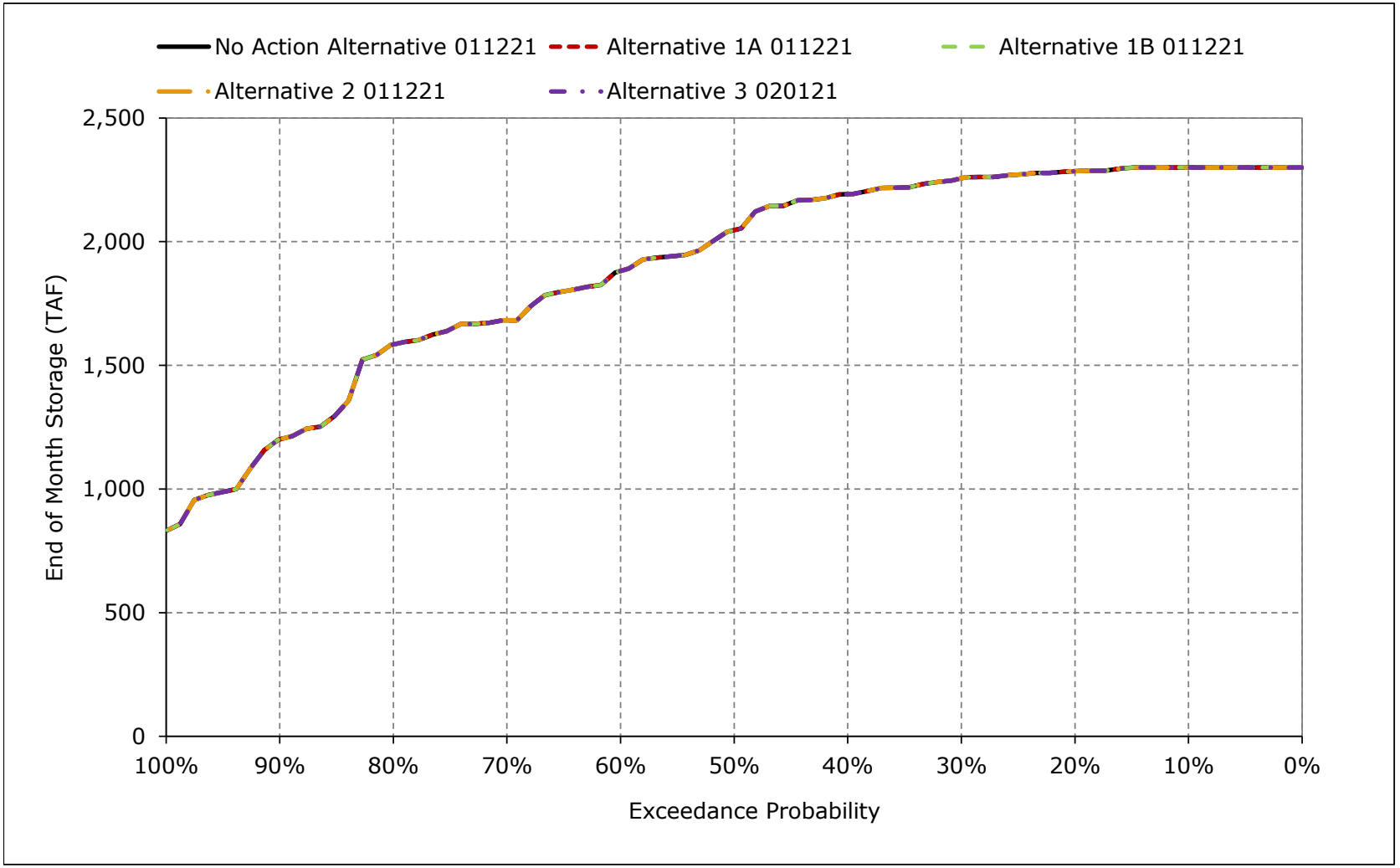


Figure 5B2-1-8. Trinity Lake Storage, May

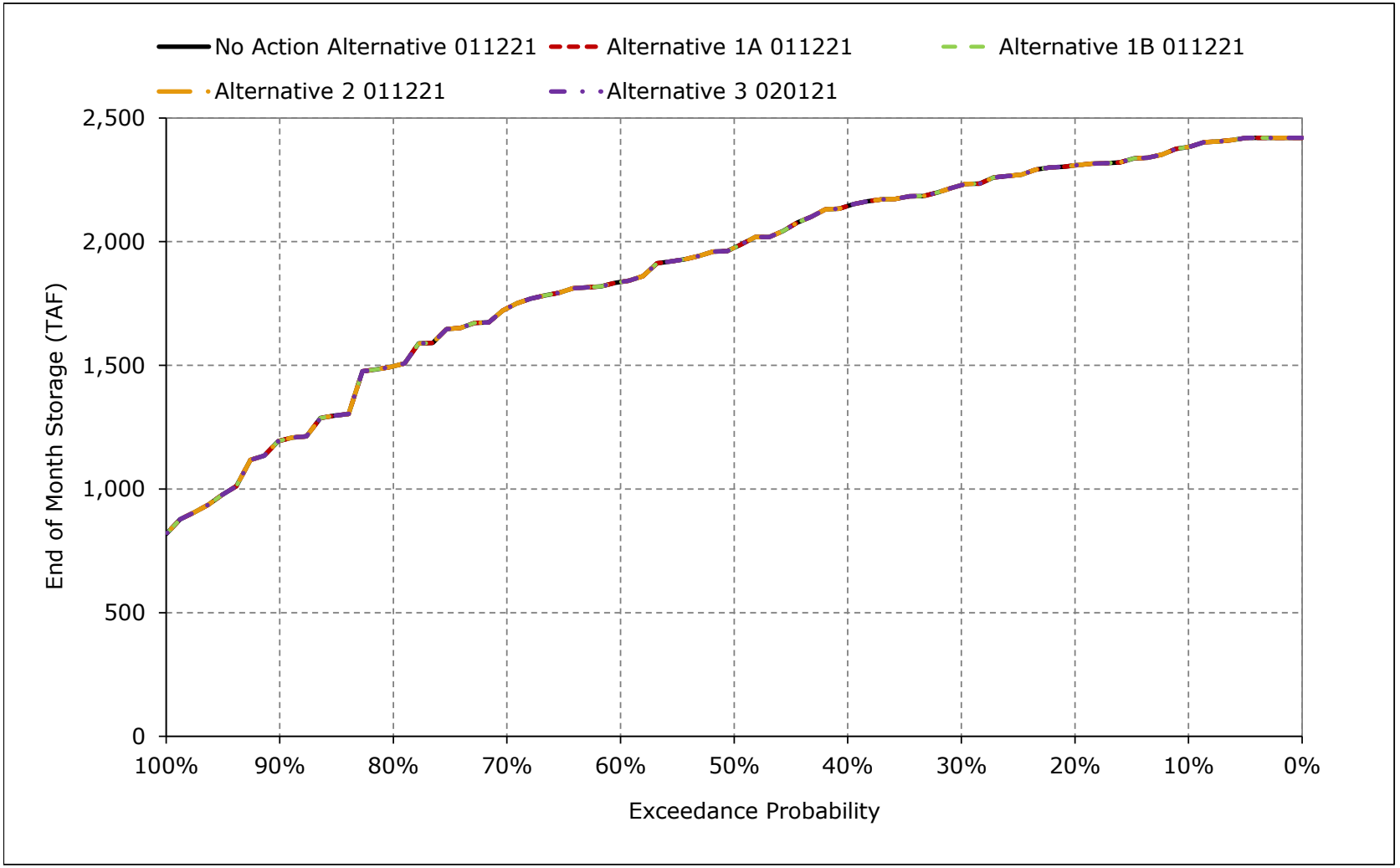


Figure 5B2-1-9. Trinity Lake Storage, June

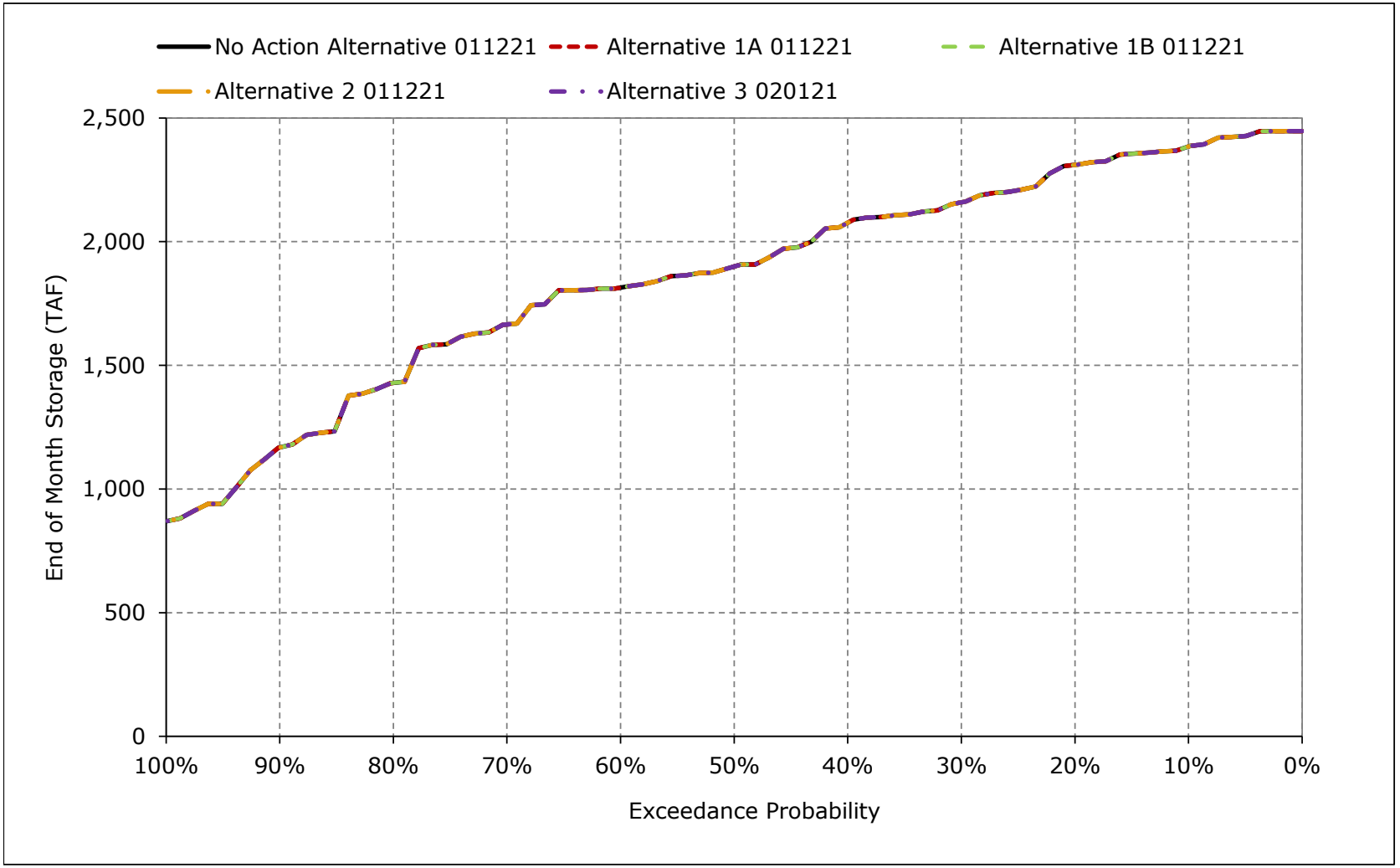


Figure 5B2-1-10. Trinity Lake Storage, July

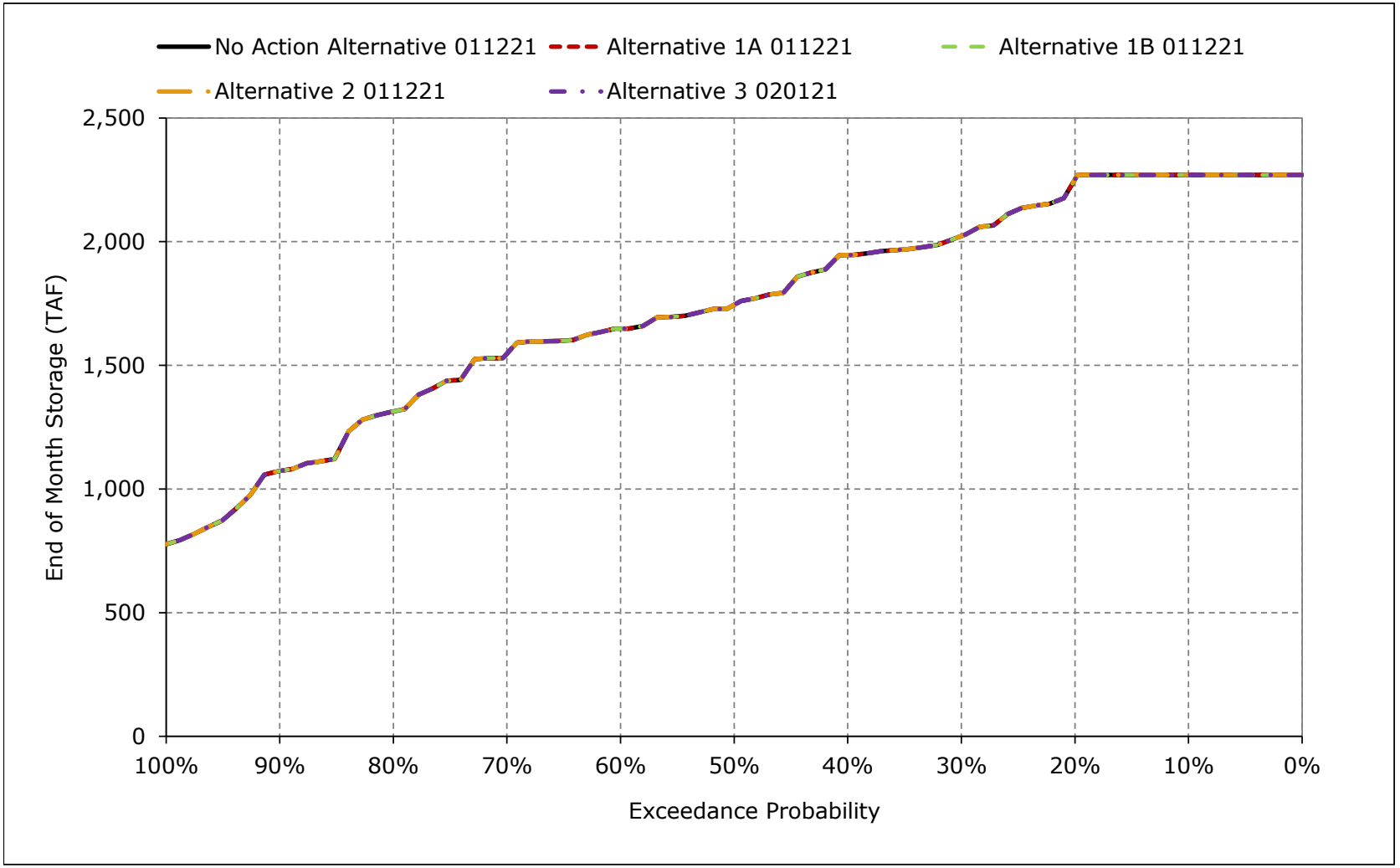


Figure 5B2-1-11. Trinity Lake Storage, August

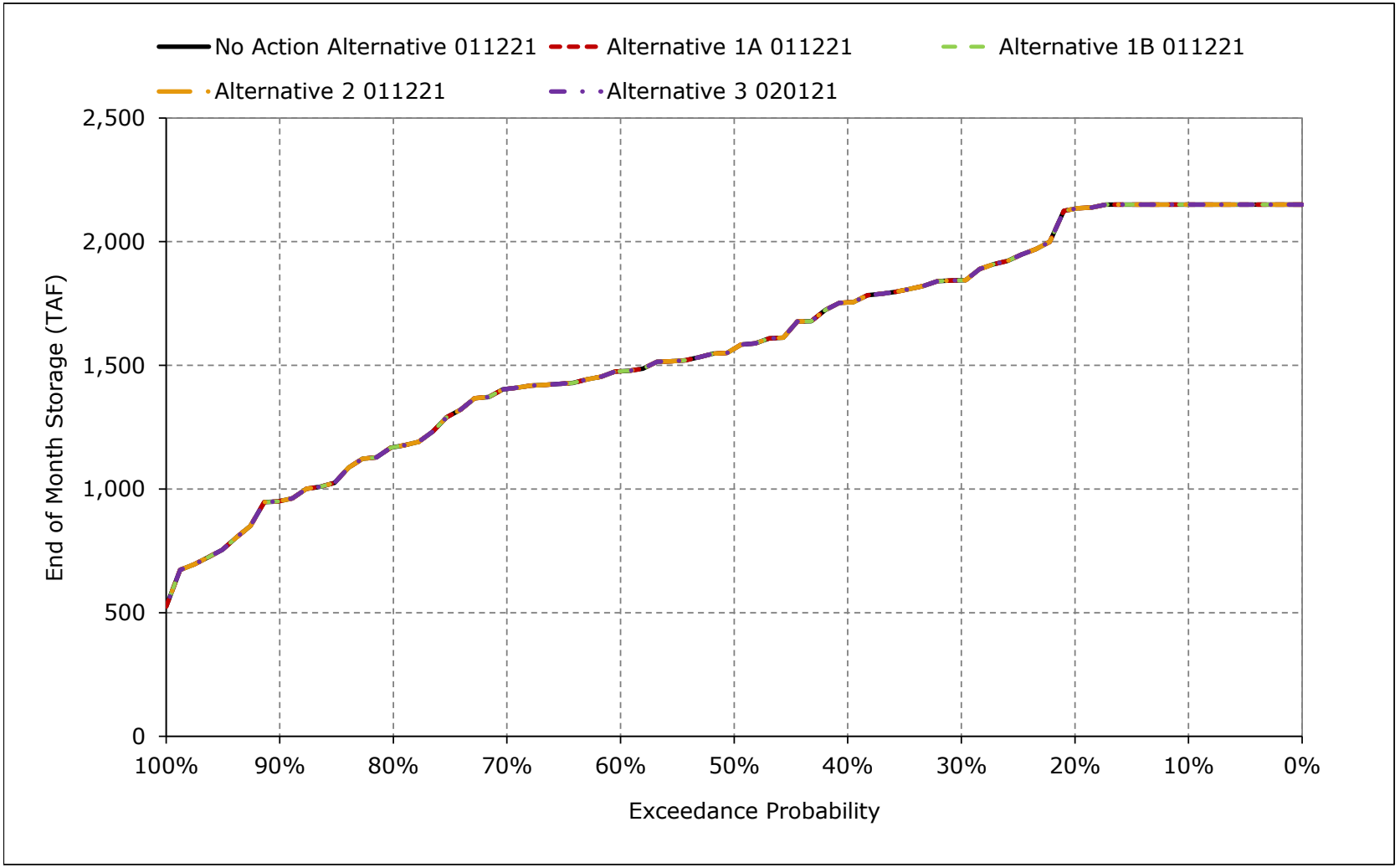


Figure 5B2-1-12. Trinity Lake Storage, September

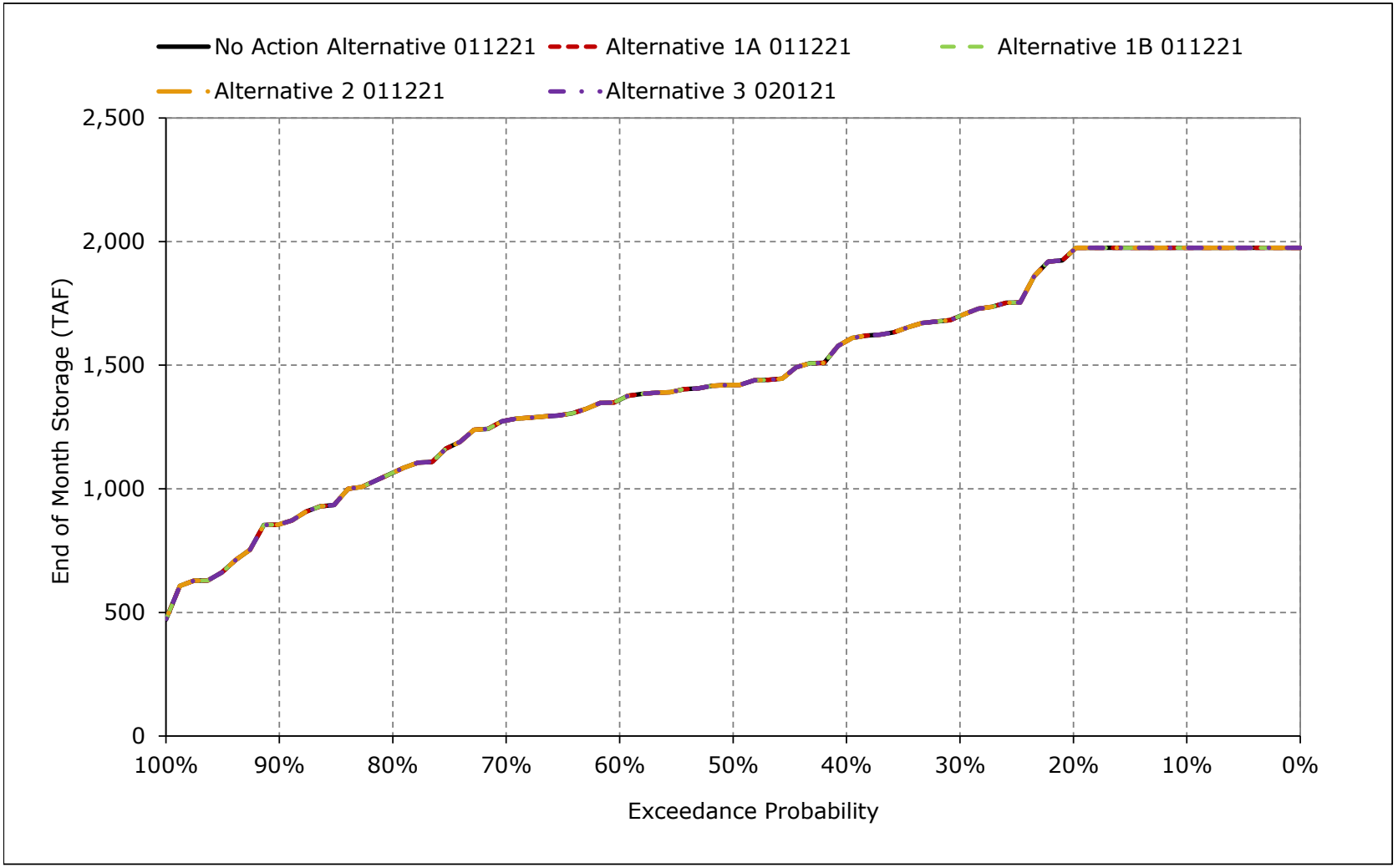


Table 5B2-2-1a. Trinity Lake Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-1b. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-1c. Trinity Lake 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%	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

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 5B2-2-2a. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-2b. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-2c. Trinity Lake 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%	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

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 5B2-2-3a. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-3b. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-3c. Trinity Lake 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%	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

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 5B2-2-4a. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-4b. Trinity Lake 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%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,366	2,366	2,359	2,353	2,343
20%	2,332	2,332	2,332	2,337	2,345	2,350	2,360	2,362	2,362	2,358	2,352	2,342
30%	2,317	2,321	2,325	2,332	2,343	2,350	2,359	2,357	2,354	2,346	2,332	2,319
40%	2,304	2,308	2,316	2,325	2,337	2,348	2,355	2,353	2,349	2,340	2,324	2,311
50%	2,293	2,296	2,305	2,313	2,323	2,335	2,347	2,343	2,336	2,323	2,308	2,296
60%	2,288	2,287	2,295	2,299	2,314	2,324	2,335	2,331	2,329	2,315	2,301	2,291
70%	2,278	2,277	2,283	2,289	2,299	2,310	2,318	2,322	2,317	2,307	2,295	2,284
80%	2,259	2,263	2,262	2,268	2,277	2,295	2,310	2,302	2,297	2,287	2,273	2,262
90%	2,235	2,233	2,238	2,240	2,255	2,255	2,276	2,275	2,273	2,263	2,249	2,238
Long Term												
Full Simulation Period[a]	2,290	2,291	2,295	2,301	2,311	2,321	2,331	2,331	2,329	2,319	2,306	2,294
Water Year Types[b,c]												
Wet (32%)	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,361	2,359	2,352	2,344	2,333
Above Normal (15%)	2,312	2,312	2,314	2,314	2,328	2,339	2,350	2,351	2,349	2,342	2,329	2,315
Below Normal (17%)	2,284	2,287	2,294	2,295	2,302	2,310	2,324	2,323	2,321	2,311	2,297	2,285
Dry (22%)	2,271	2,272	2,281	2,291	2,299	2,311	2,323	2,319	2,315	2,301	2,286	2,274
Critical (15%)	2,227	2,228	2,232	2,257	2,262	2,270	2,277	2,274	2,272	2,260	2,243	2,231

Table 5B2-2-4c. Trinity Lake 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%	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

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 5B2-2-1. Trinity Lake Elevation, October

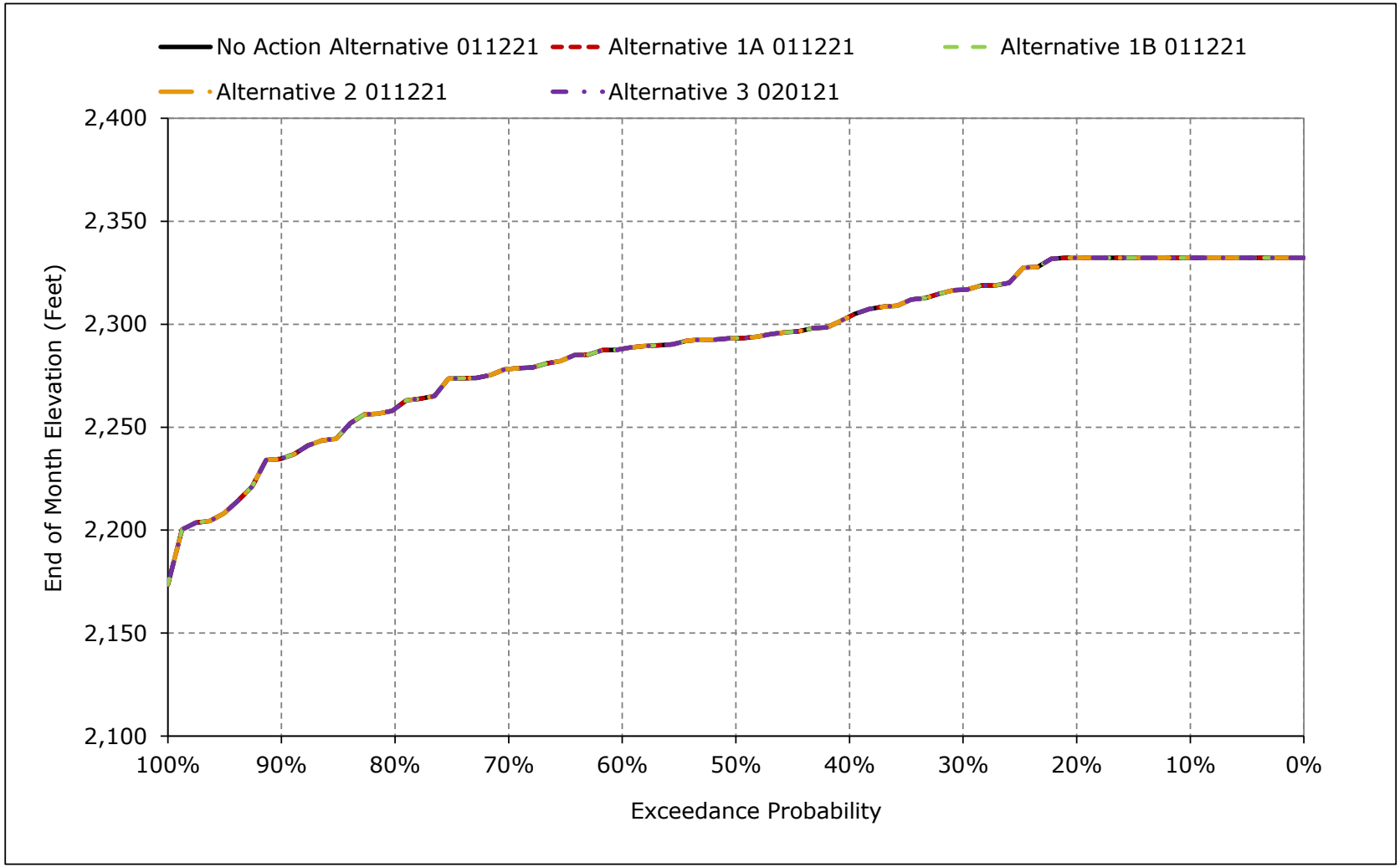


Figure 5B2-2-2. Trinity Lake Elevation, November

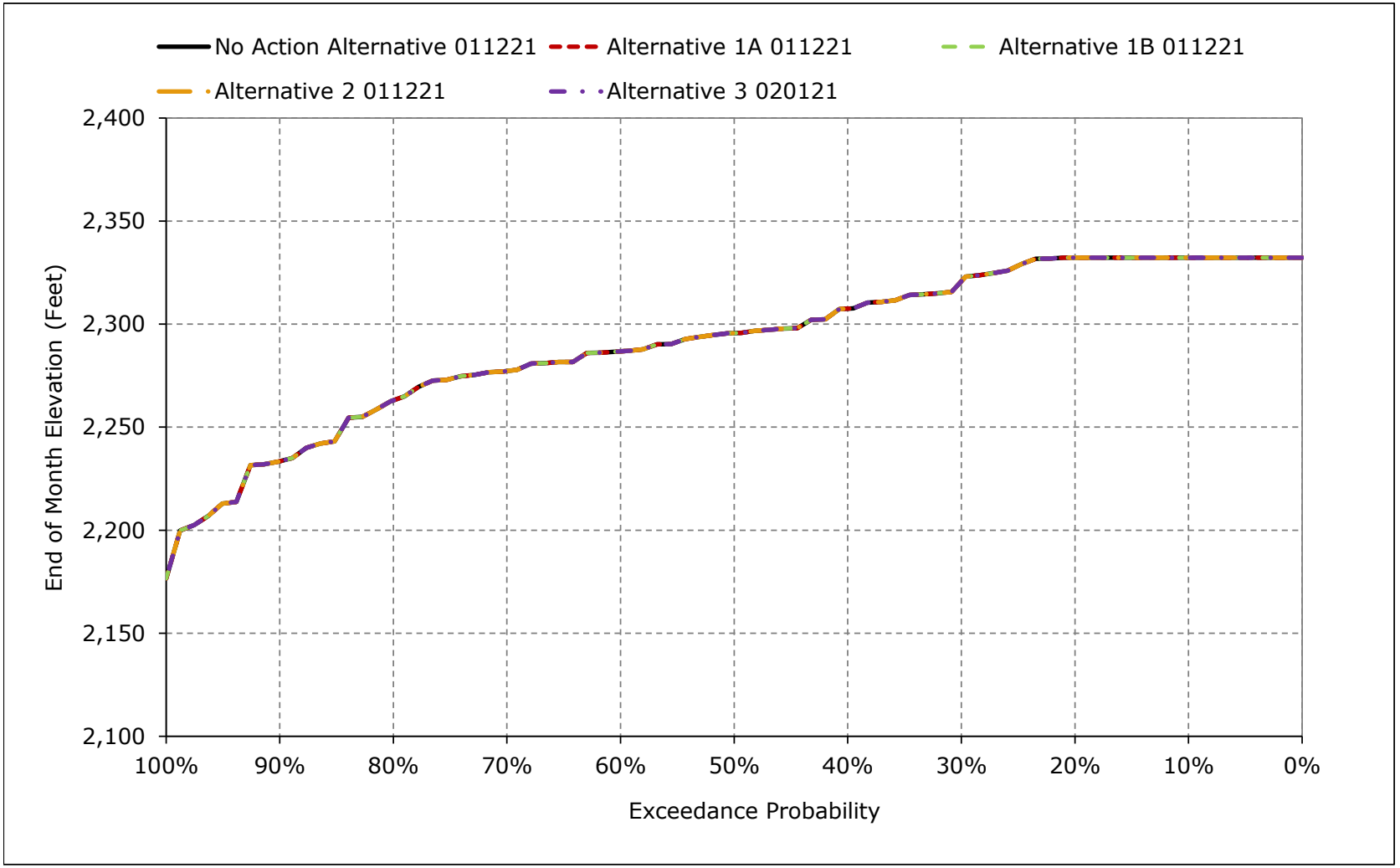


Figure 5B2-2-3. Trinity Lake Elevation, December

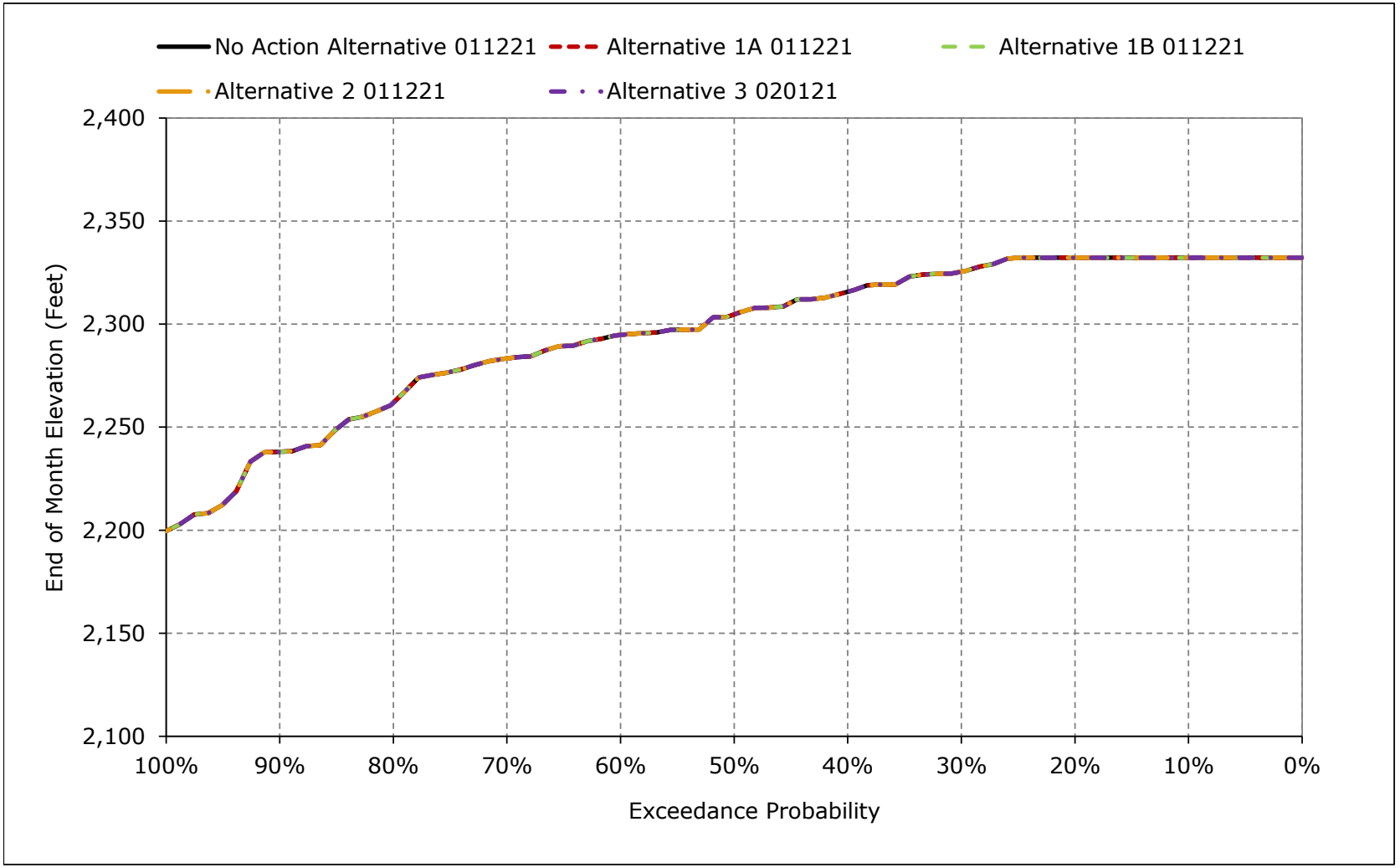


Figure 5B2-2-4. Trinity Lake Elevation, January

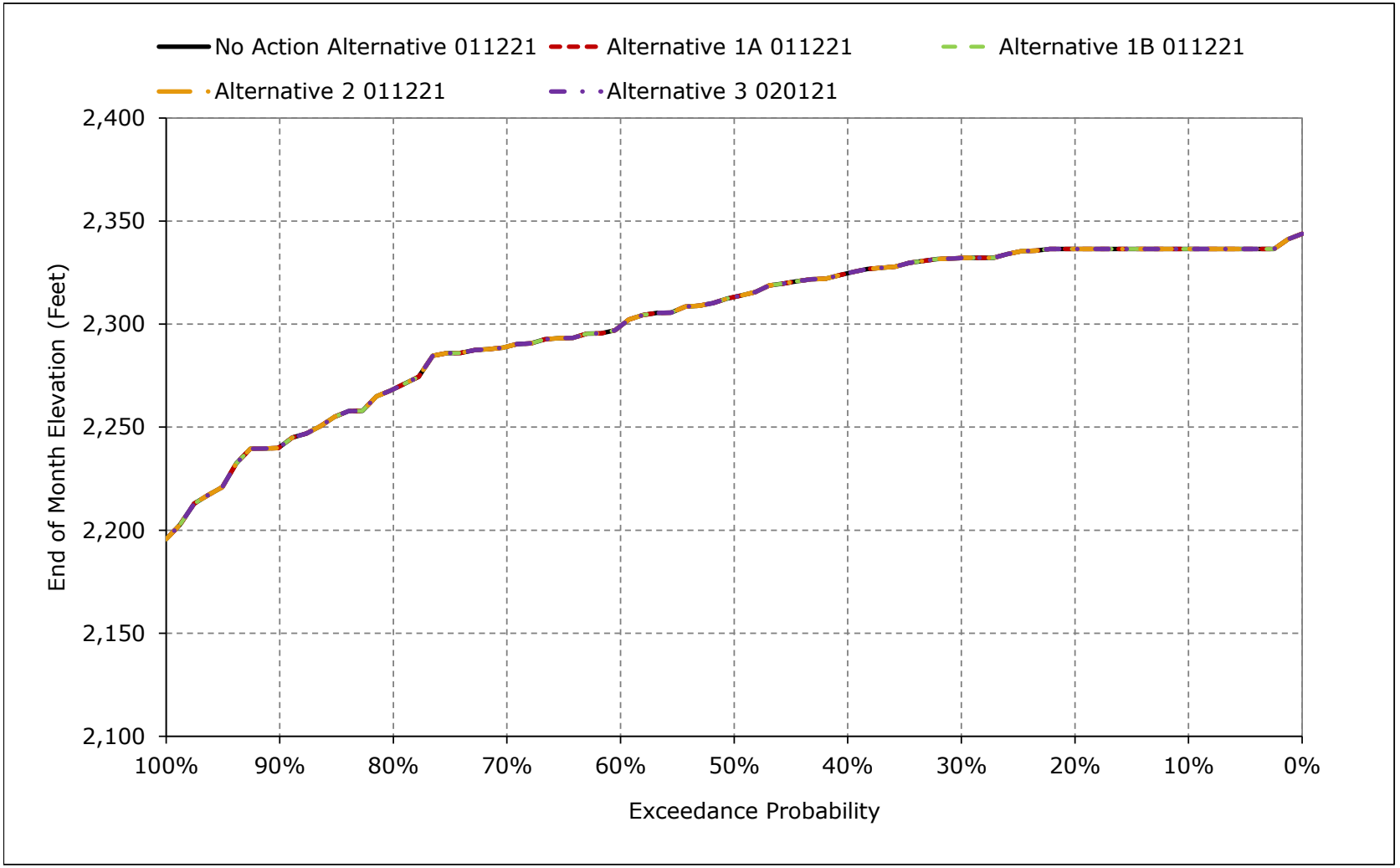


Figure 5B2-2-5. Trinity Lake Elevation, February

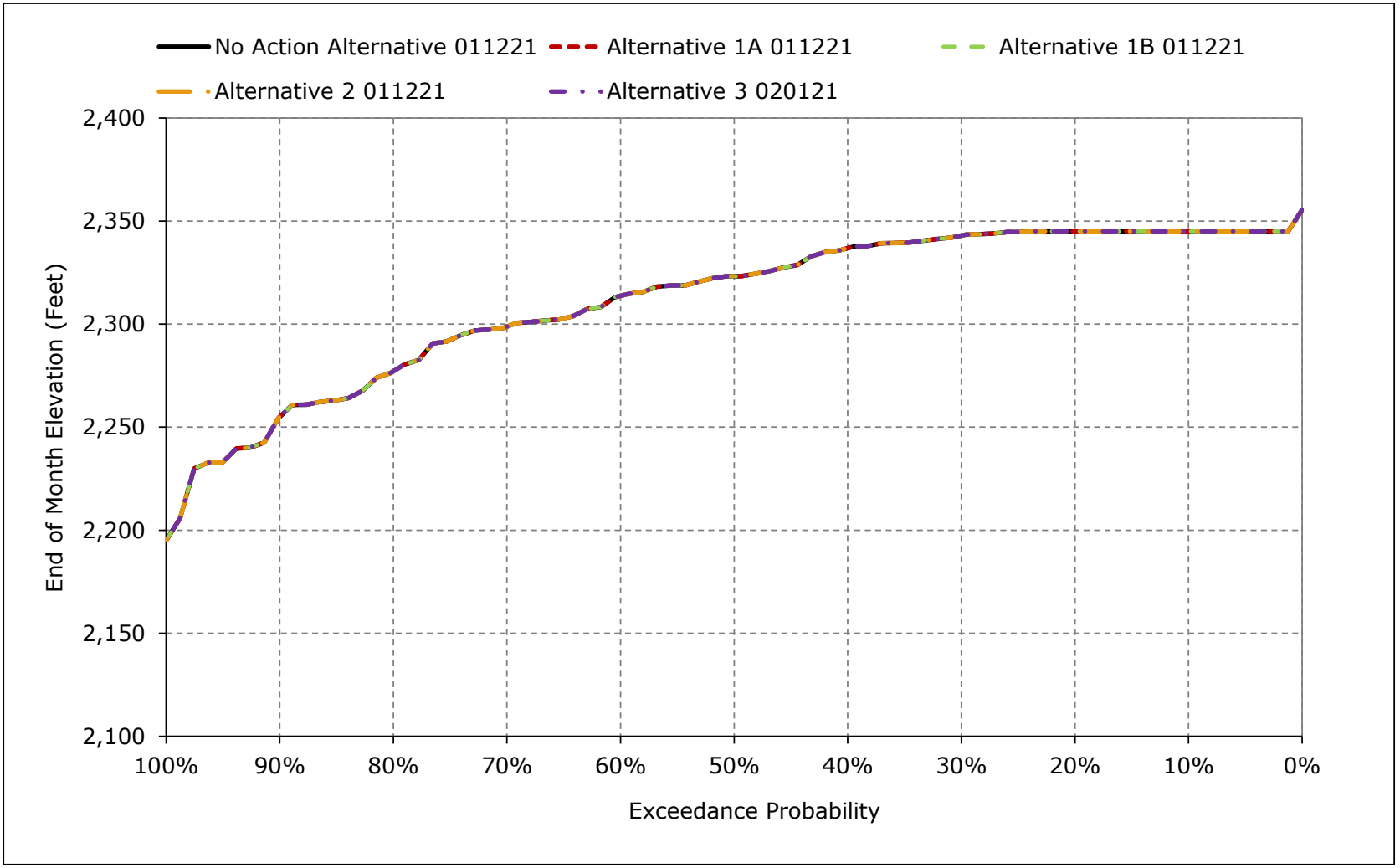


Figure 5B2-2-6. Trinity Lake Elevation, March

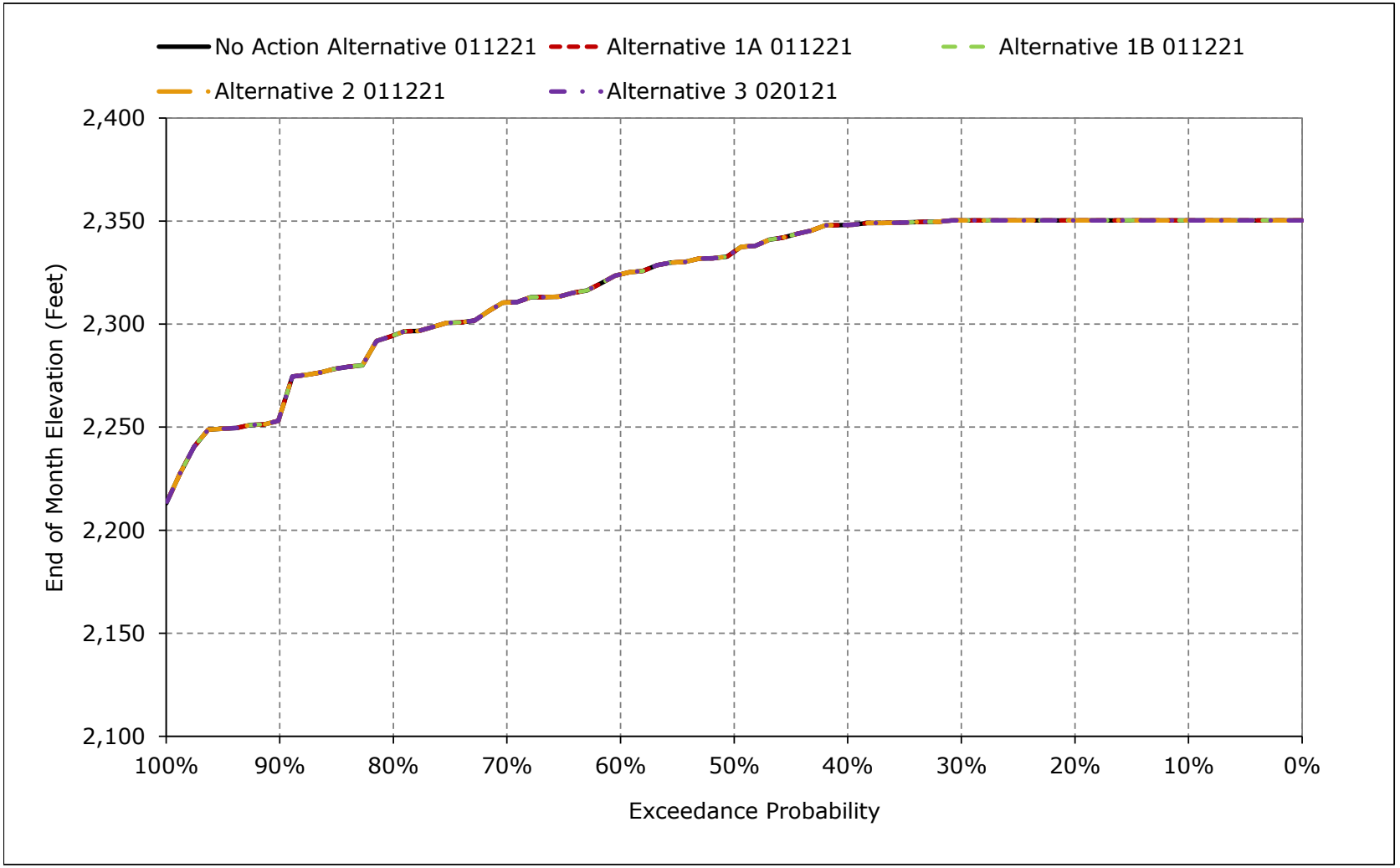


Figure 5B2-2-7. Trinity Lake Elevation, April

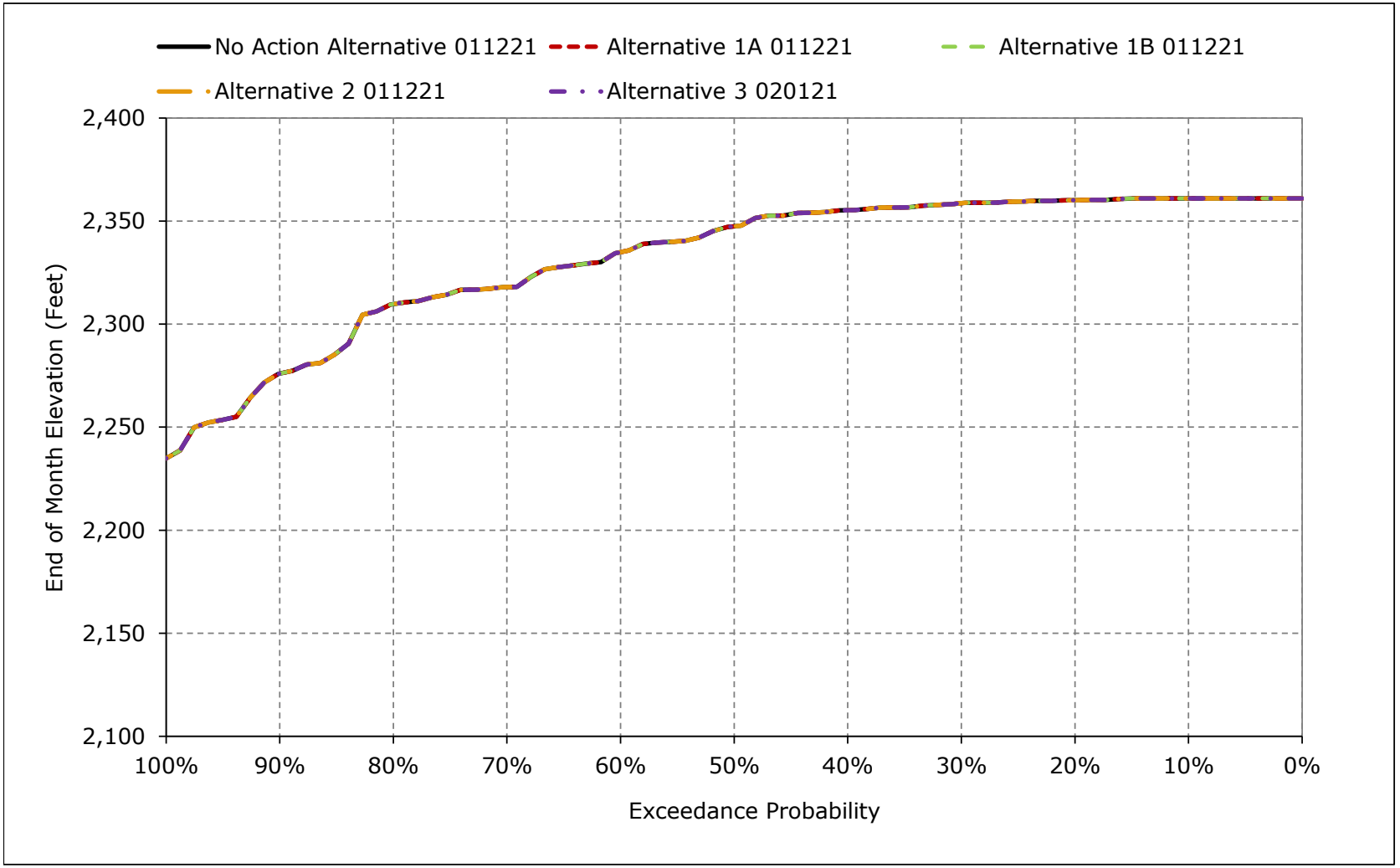


Figure 5B2-2-8. Trinity Lake Elevation, May

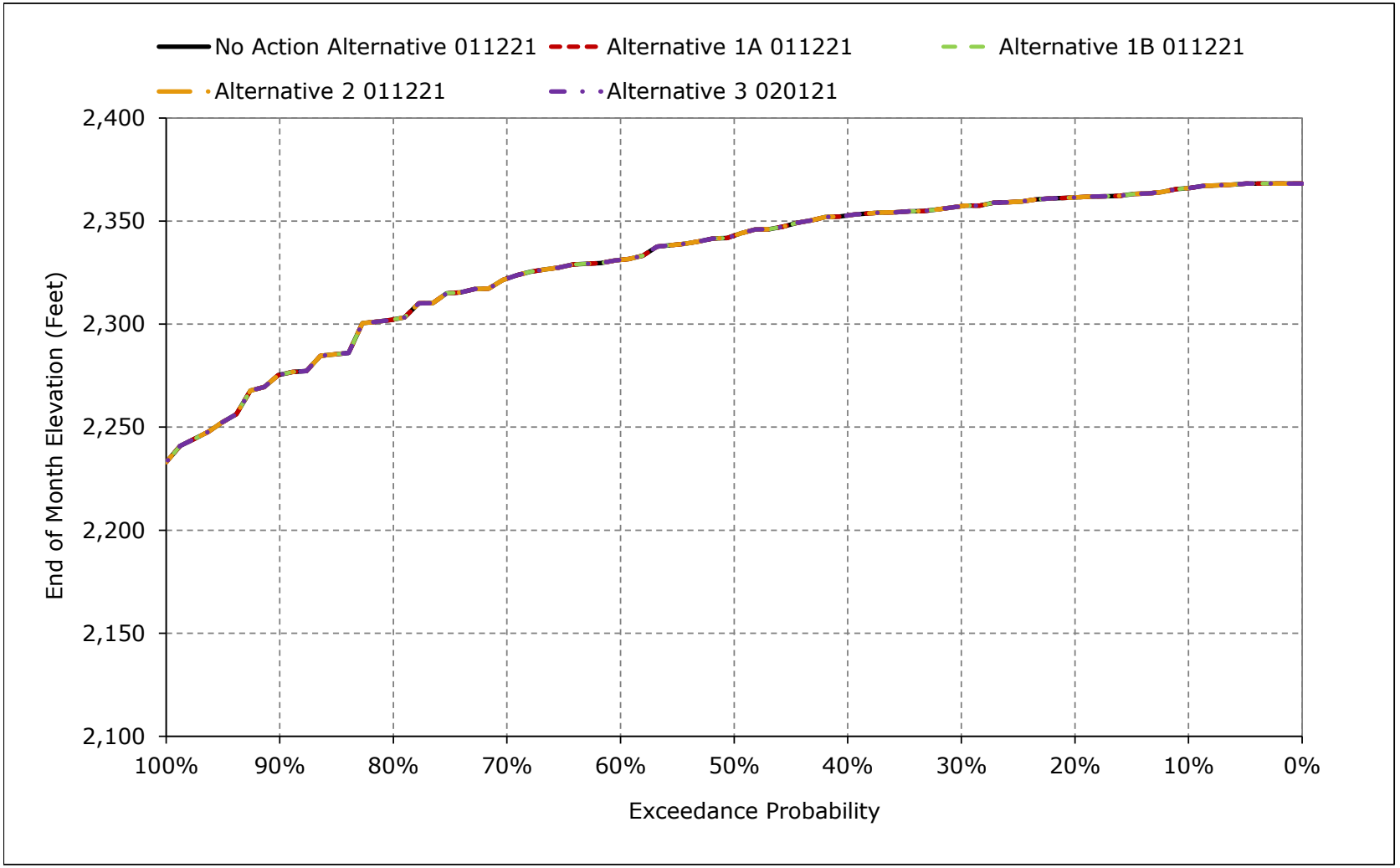


Figure 5B2-2-9. Trinity Lake Elevation, June

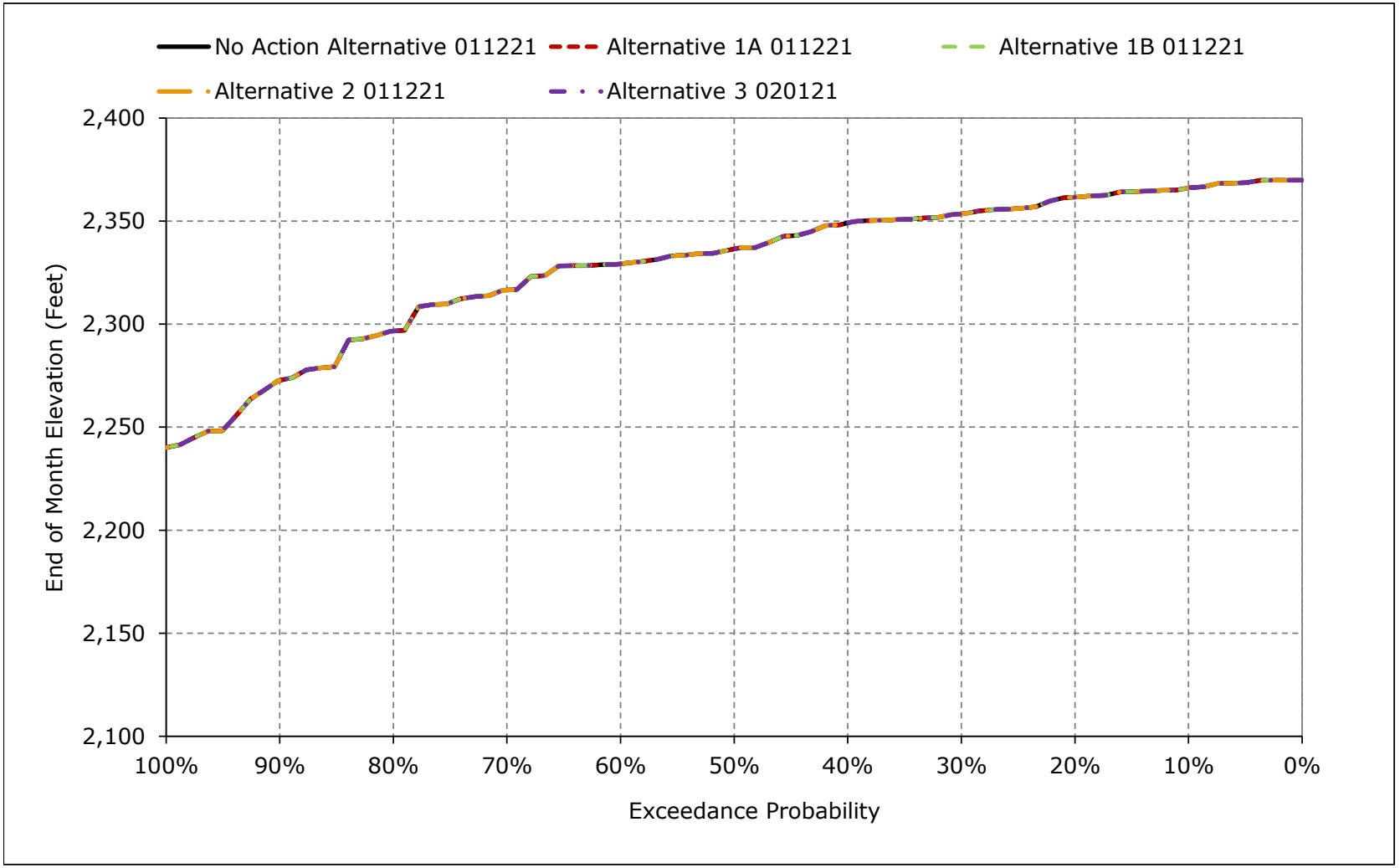


Figure 5B2-2-10. Trinity Lake Elevation, July

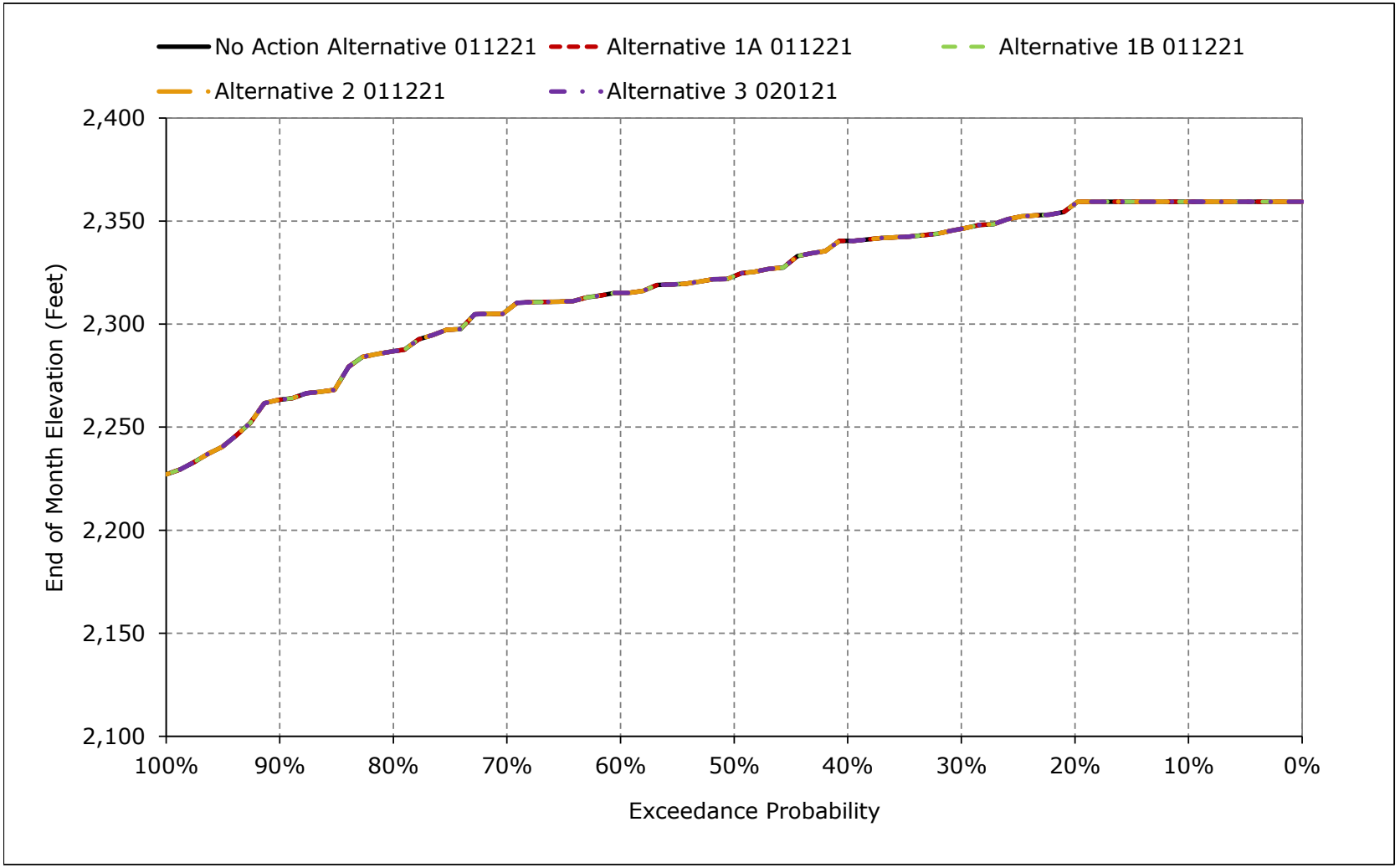


Figure 5B2-2-11. Trinity Lake Elevation, August

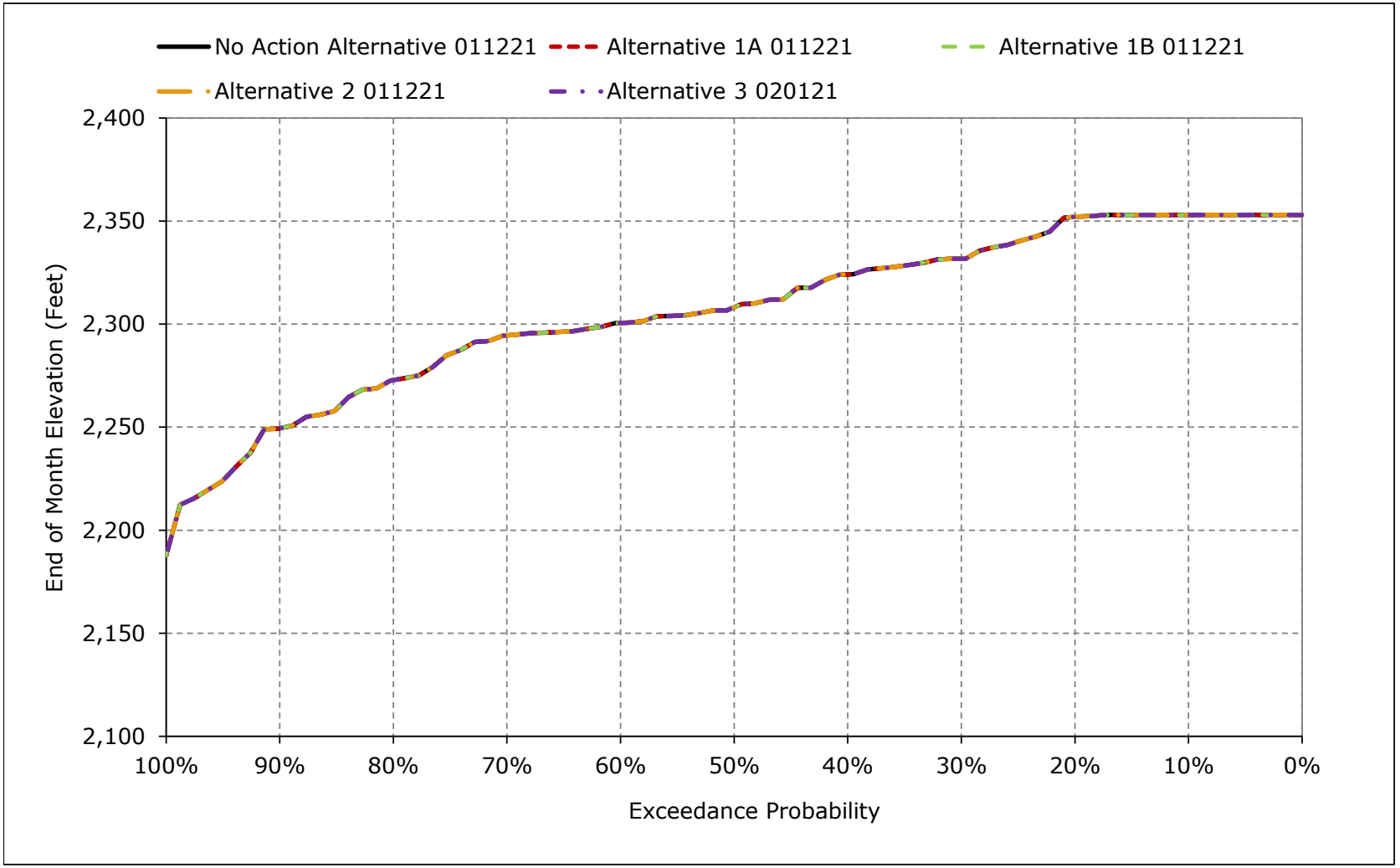


Figure 5B2-2-12. Trinity Lake Elevation, September

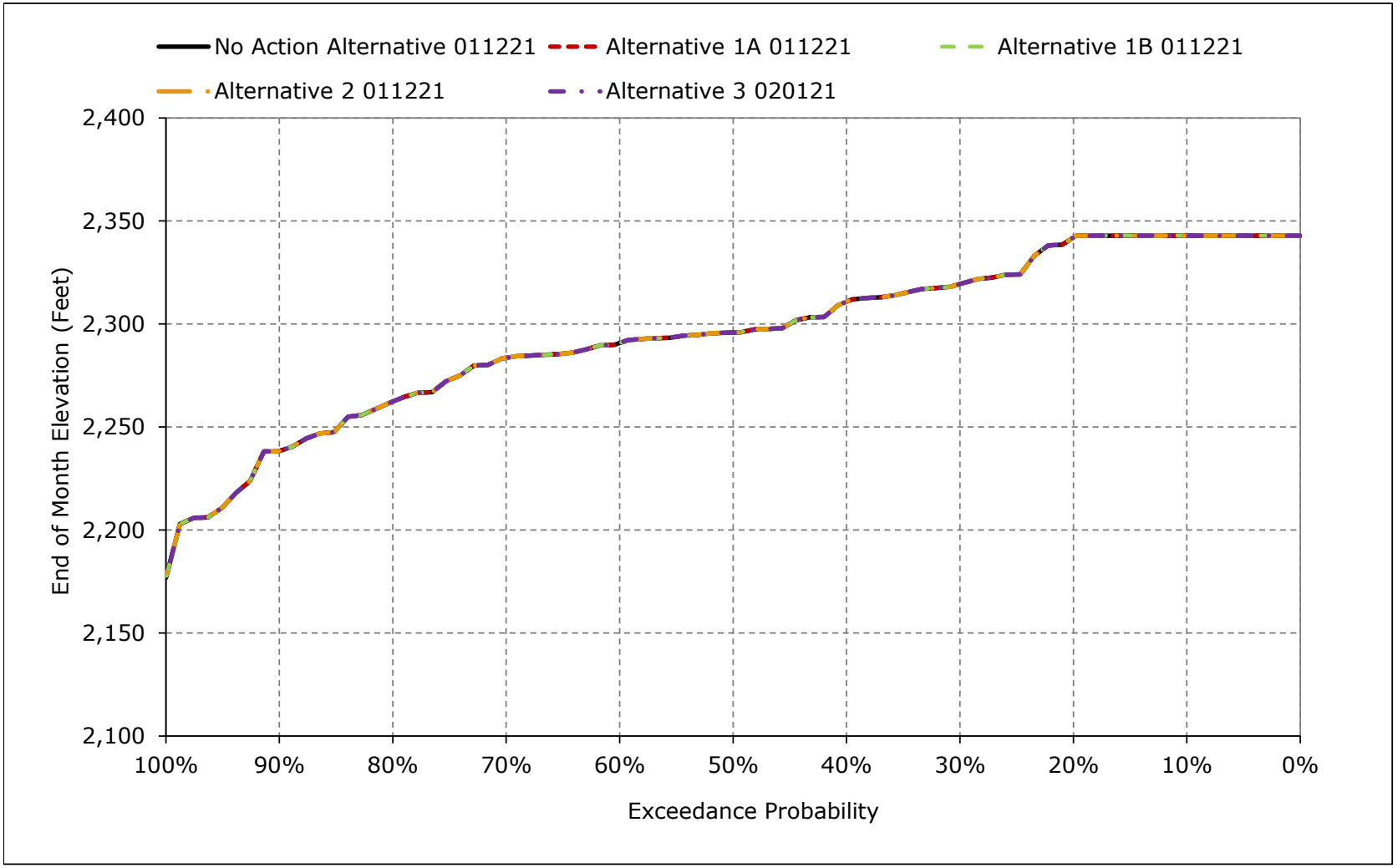


Table 5B2-3-1a. Trinity Lake Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-1b. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-1c. Trinity Lake 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%	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

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 5B2-3-2a. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-2b. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-2c. Trinity Lake 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%	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

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 5B2-3-3a. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-3b. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-3c. Trinity Lake 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%	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

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 5B2-3-4a. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-4b. Trinity Lake 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%	13,625	13,625	13,625	13,850	14,300	14,700	15,500	15,832	15,841	15,380	14,900	14,188
20%	13,625	13,625	13,625	13,850	14,300	14,700	15,441	15,535	15,542	15,305	14,835	14,141
30%	12,804	13,021	13,265	13,615	14,195	14,700	15,326	15,215	14,938	14,393	13,597	12,947
40%	12,015	12,268	12,750	13,227	13,870	14,538	15,070	14,878	14,607	14,057	13,195	12,481
50%	11,312	11,476	12,081	12,614	13,148	13,777	14,487	14,191	13,849	13,150	12,314	11,488
60%	10,968	10,883	11,416	11,704	12,644	13,195	13,767	13,568	13,465	12,719	11,803	11,153
70%	10,345	10,283	10,661	11,040	11,688	12,465	12,871	13,087	12,794	12,208	11,403	10,677
80%	9,161	9,404	9,341	9,735	10,276	11,401	12,414	11,918	11,540	10,890	10,010	9,364
90%	7,798	7,736	7,953	8,082	8,932	8,951	10,208	10,172	10,005	9,419	8,606	7,973
Long Term												
Full Simulation Period[a]	11,116	11,188	11,453	11,803	12,352	12,946	13,642	13,613	13,460	12,854	12,086	11,389
Water Year Types[b,c]												
Wet (32%)	13,164	13,221	13,277	13,284	14,006	14,564	15,310	15,449	15,351	14,871	14,326	13,626
Above Normal (15%)	12,481	12,467	12,627	12,536	13,291	14,048	14,805	14,834	14,707	14,197	13,429	12,690
Below Normal (17%)	10,740	10,928	11,367	11,422	11,828	12,300	13,160	13,121	12,970	12,363	11,544	10,838
Dry (22%)	9,926	10,018	10,584	11,222	11,687	12,403	13,076	12,844	12,585	11,804	10,869	10,166
Critical (15%)	7,538	7,562	7,729	9,176	9,442	9,908	10,275	10,142	9,998	9,287	8,350	7,718

Table 5B2-3-4c. Trinity Lake 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%	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

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 5B2-3-1. Trinity Lake Surface Area, October

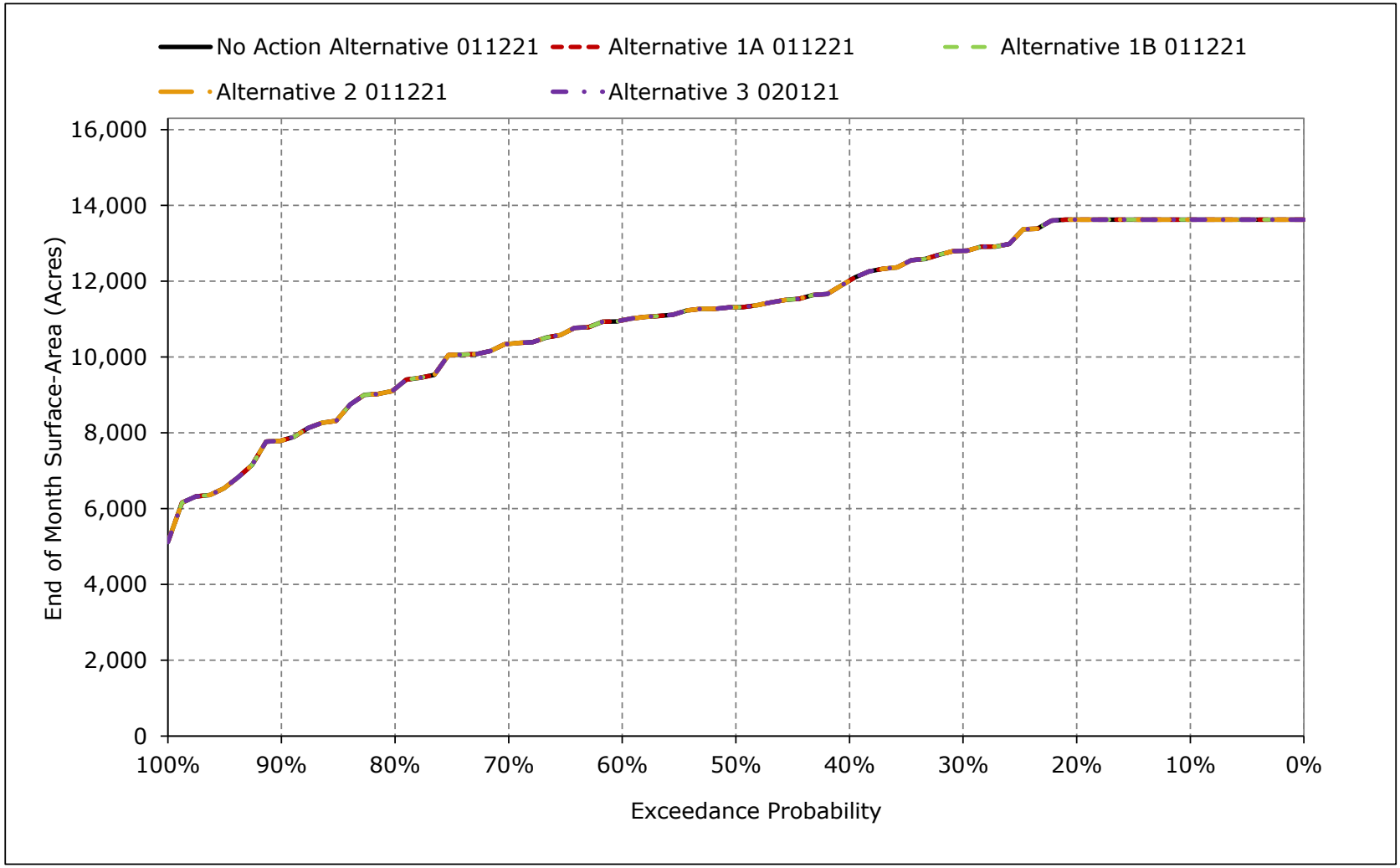


Figure 5B2-3-2. Trinity Lake Surface Area, November

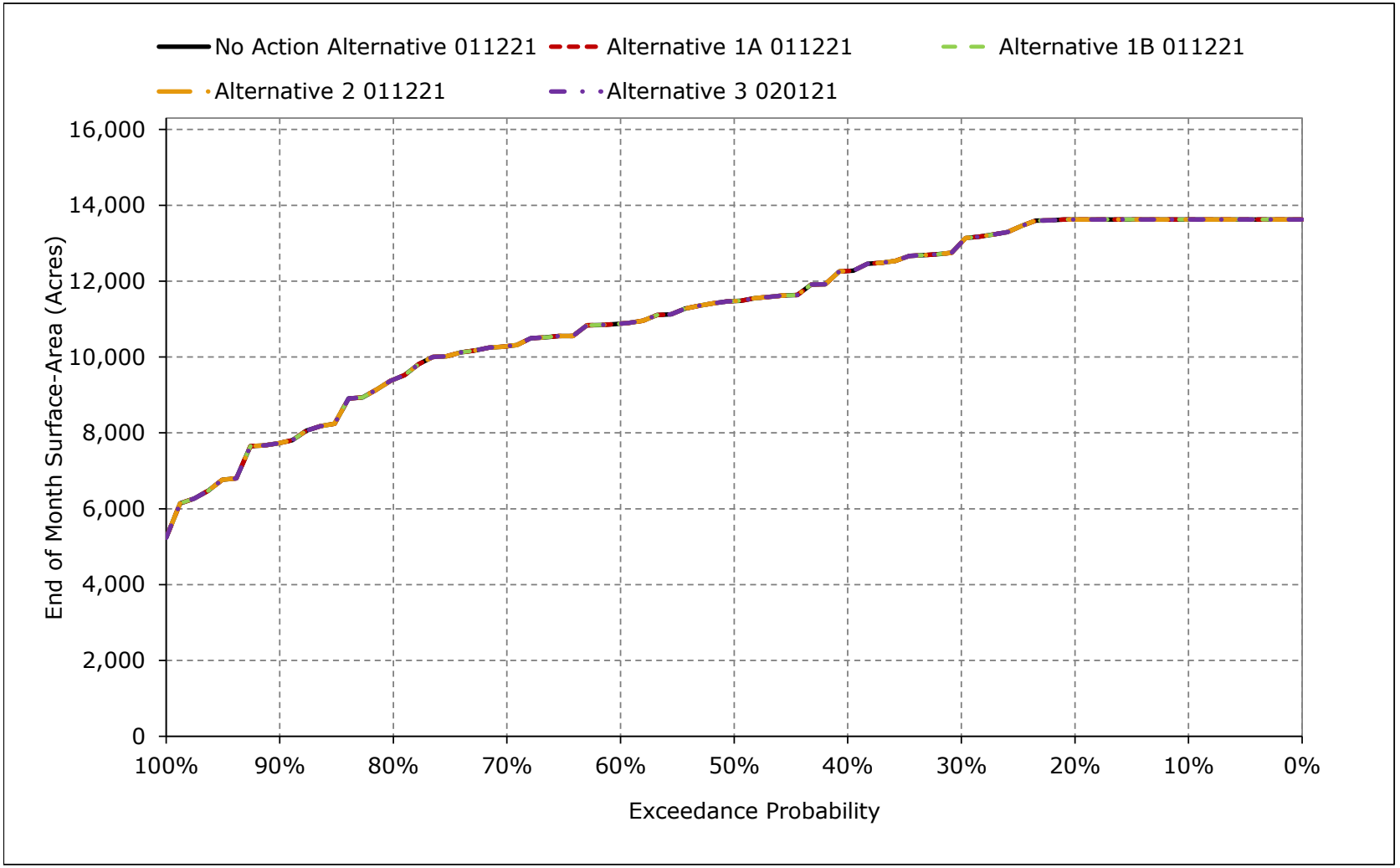


Figure 5B2-3-3. Trinity Lake Surface Area, December

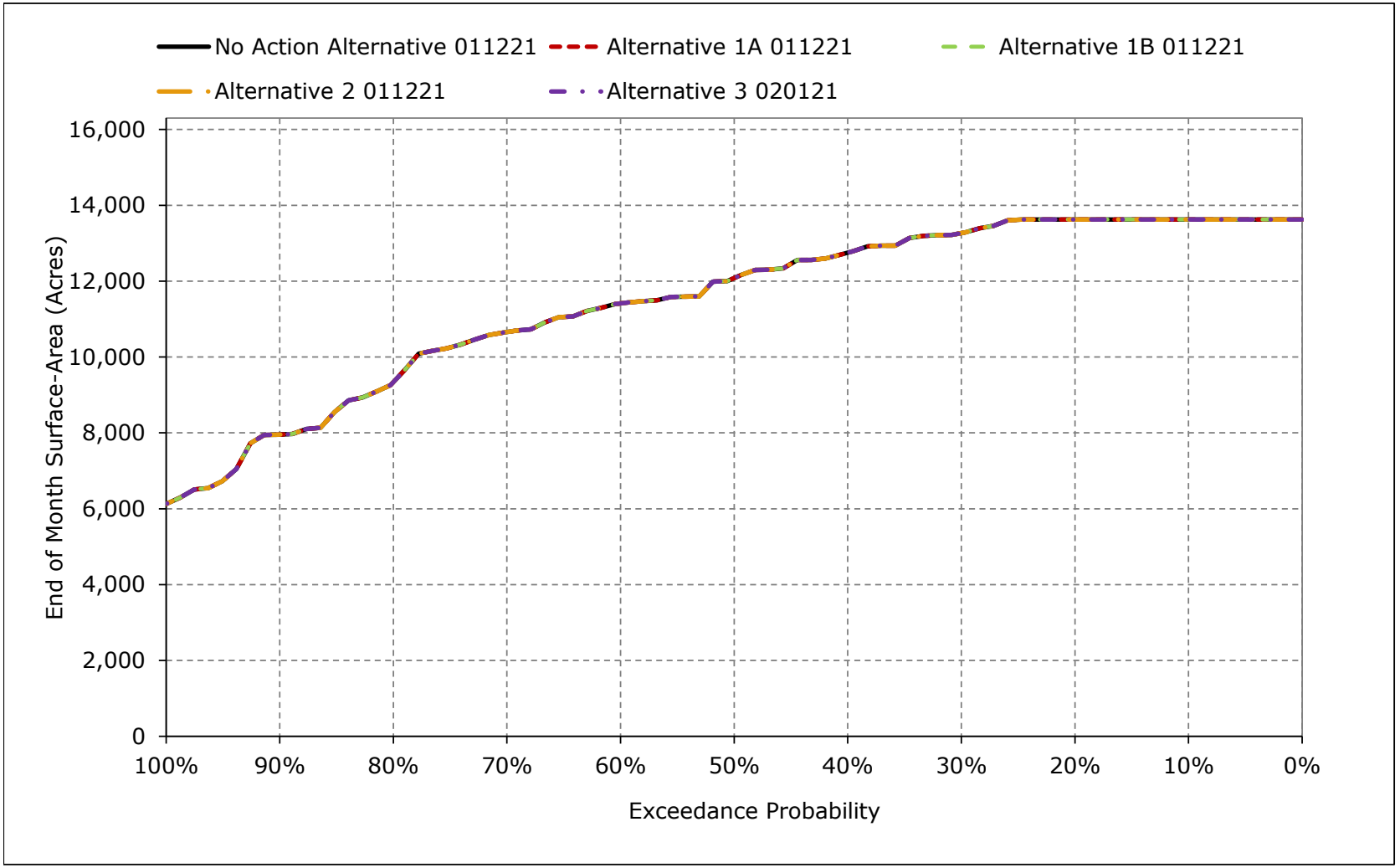


Figure 5B2-3-4. Trinity Lake Surface Area, January

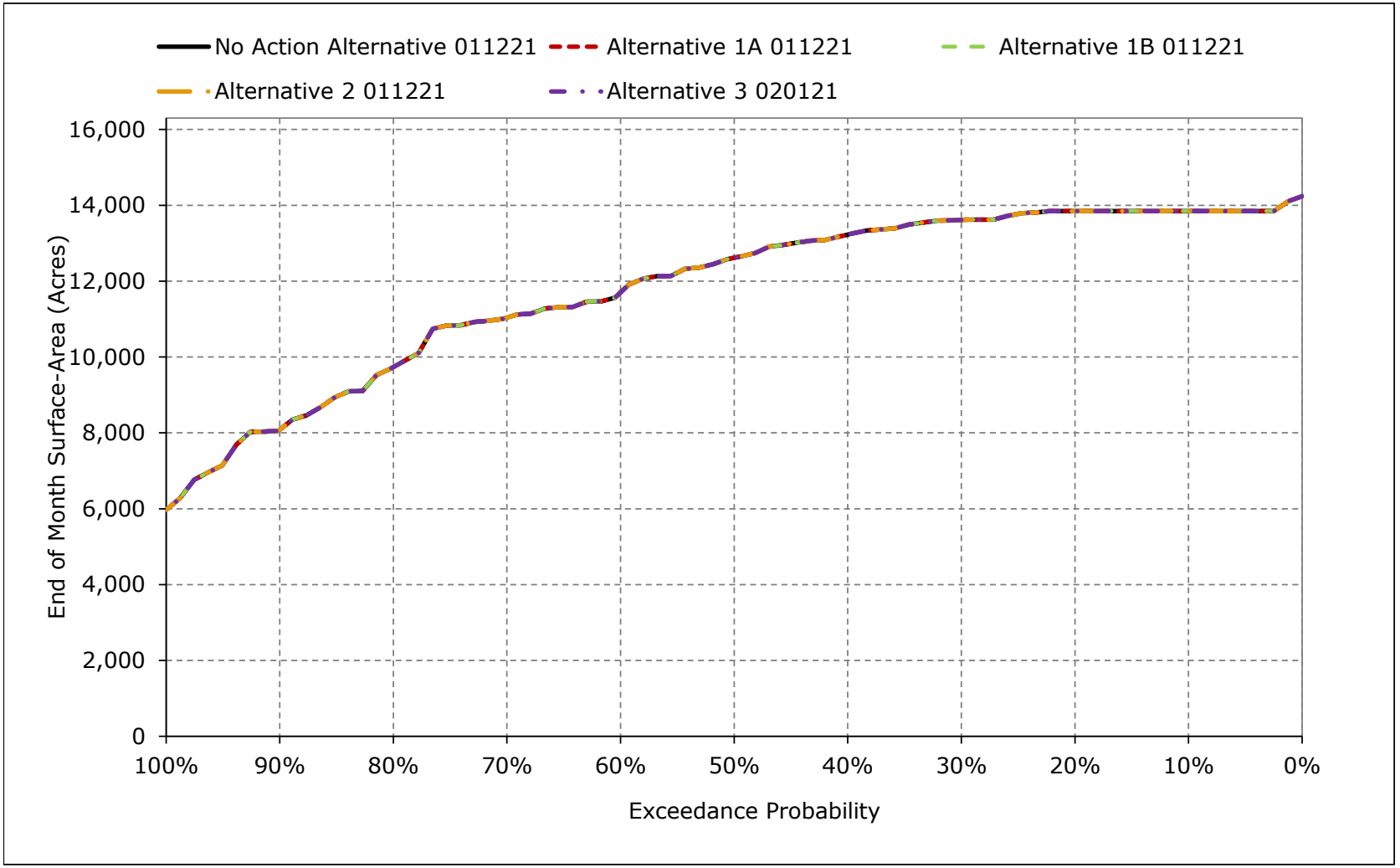


Figure 5B2-3-5. Trinity Lake Surface Area, February

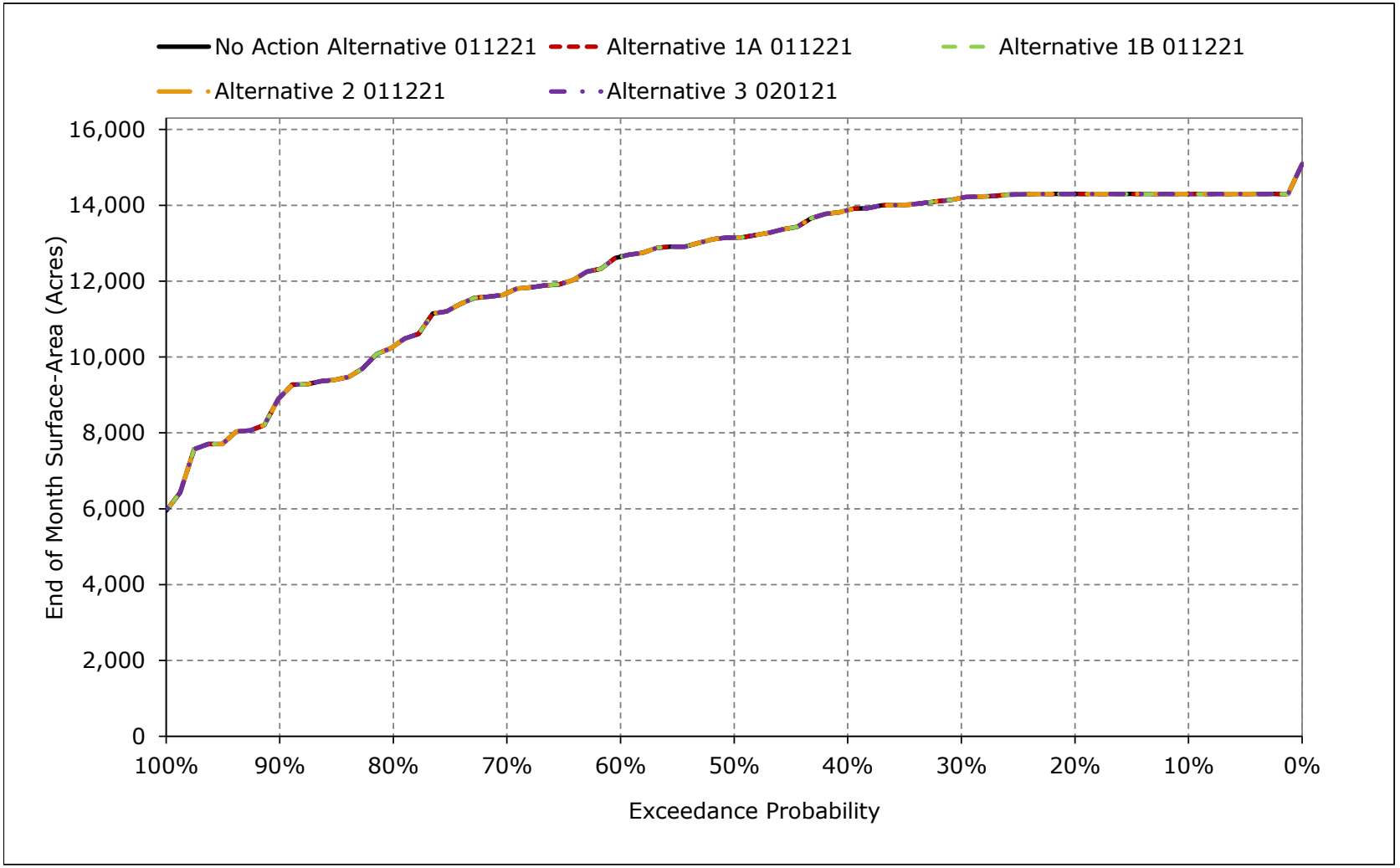


Figure 5B2-3-6. Trinity Lake Surface Area, March

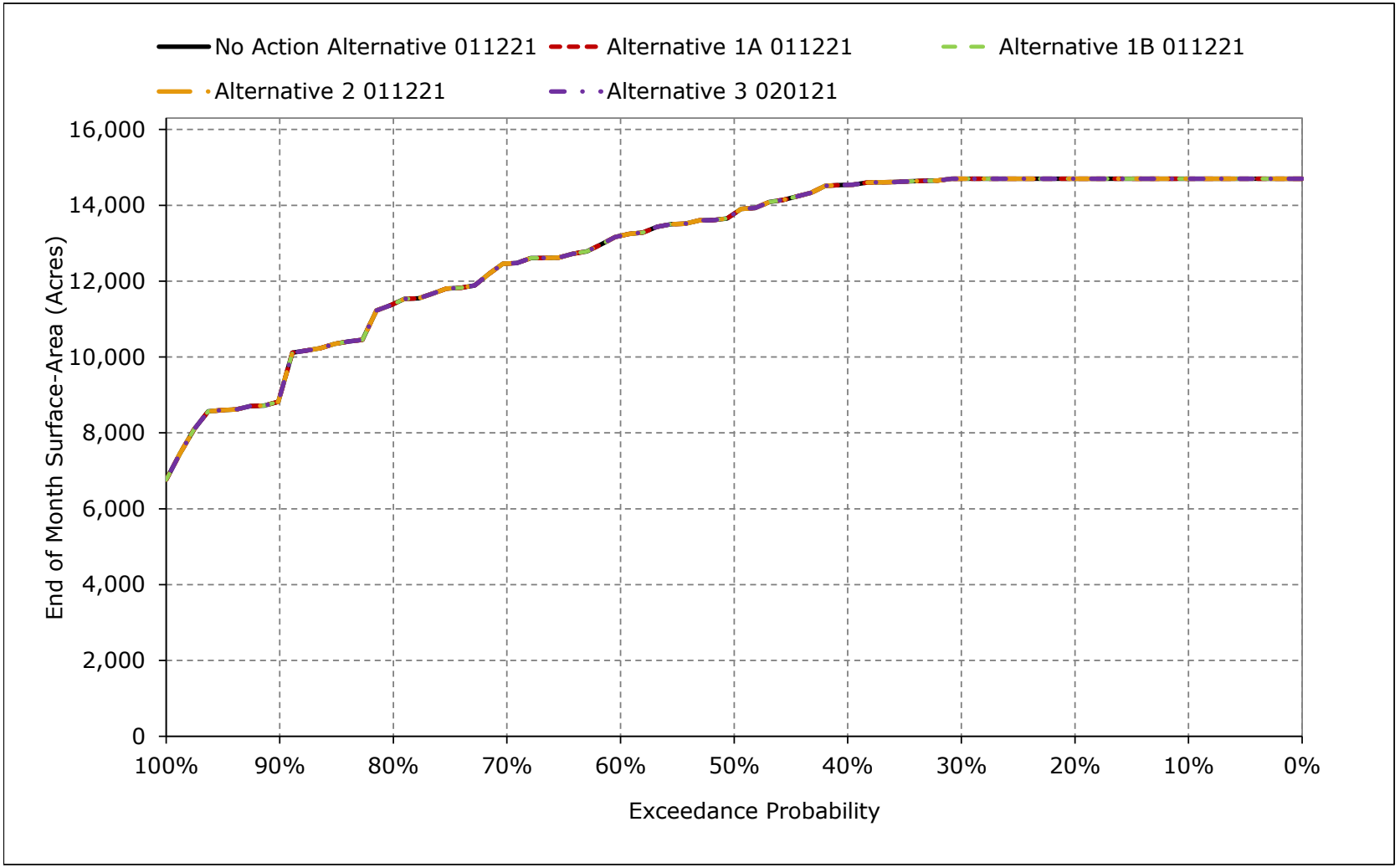


Figure 5B2-3-7. Trinity Lake Surface Area, April

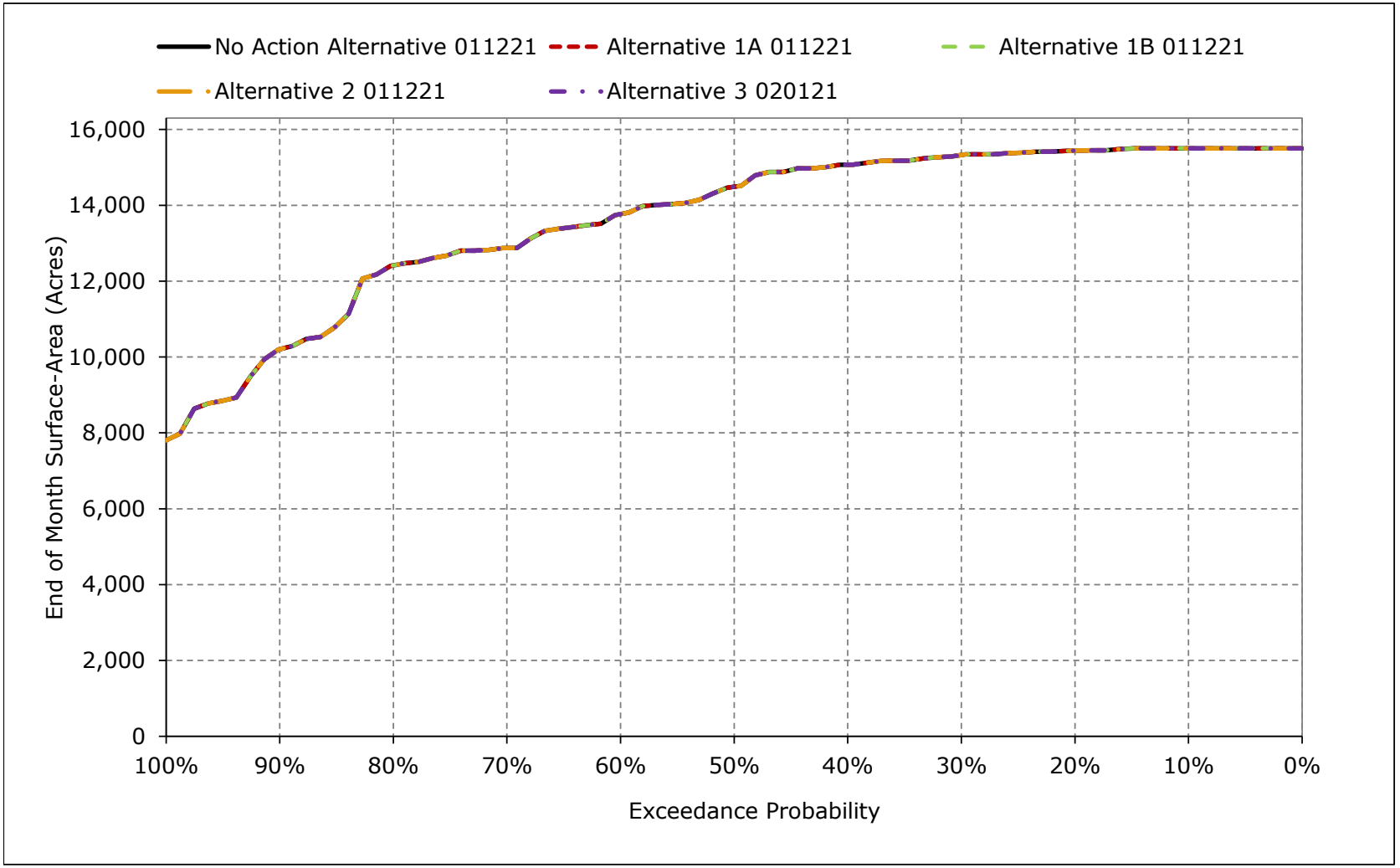


Figure 5B2-3-8. Trinity Lake Surface Area, May

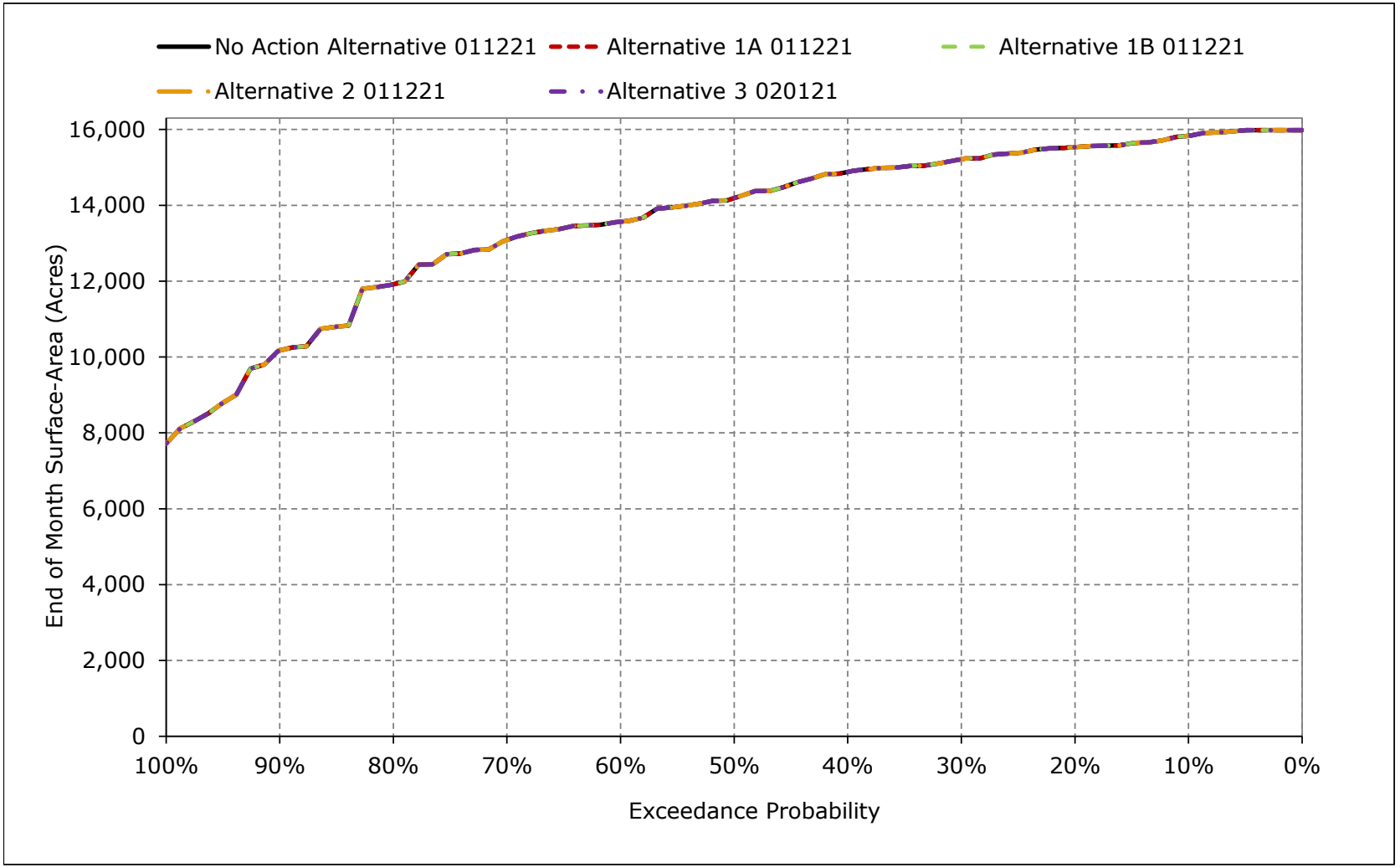


Figure 5B2-3-9. Trinity Lake Surface Area, June

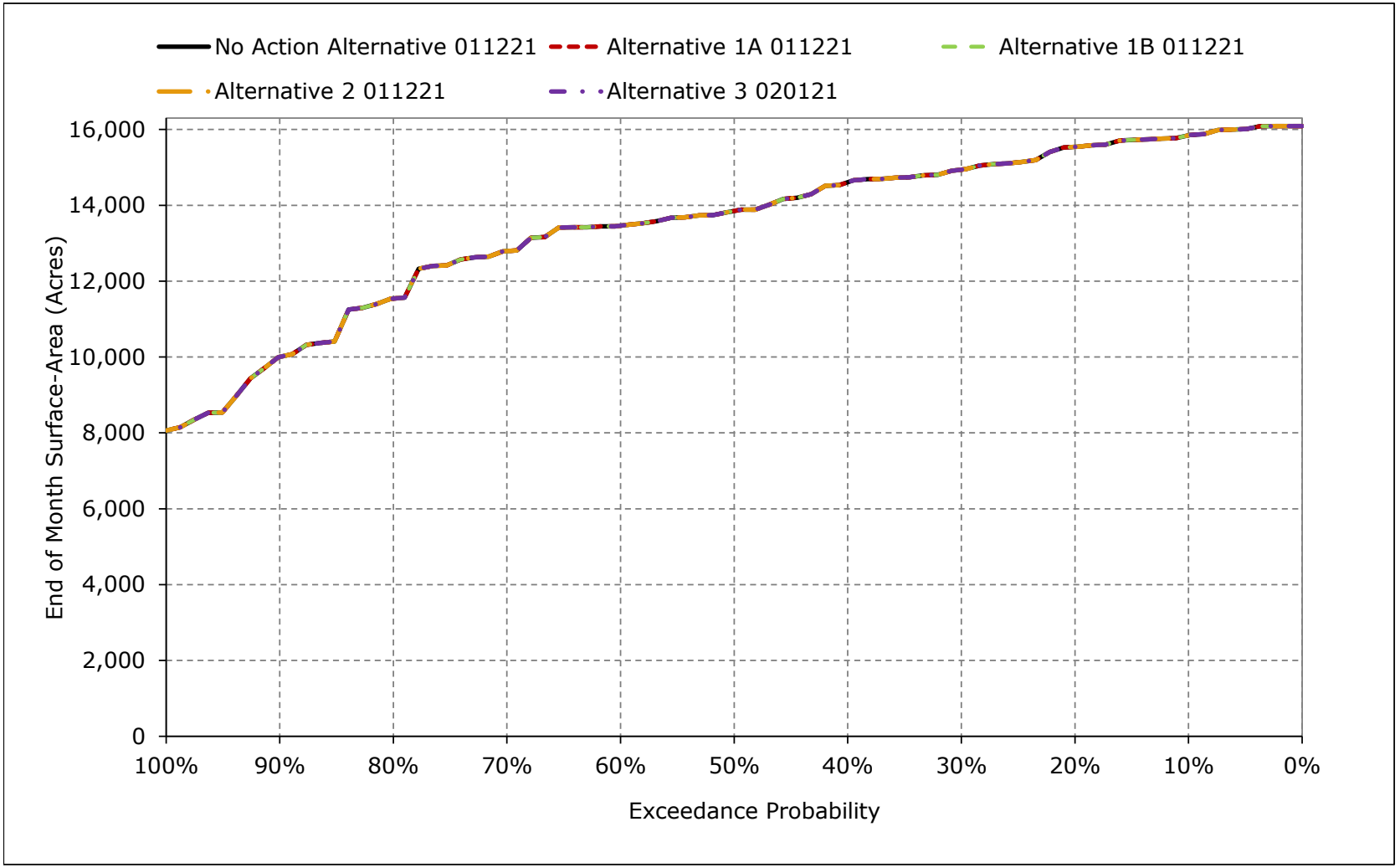


Figure 5B2-3-10. Trinity Lake Surface Area, July

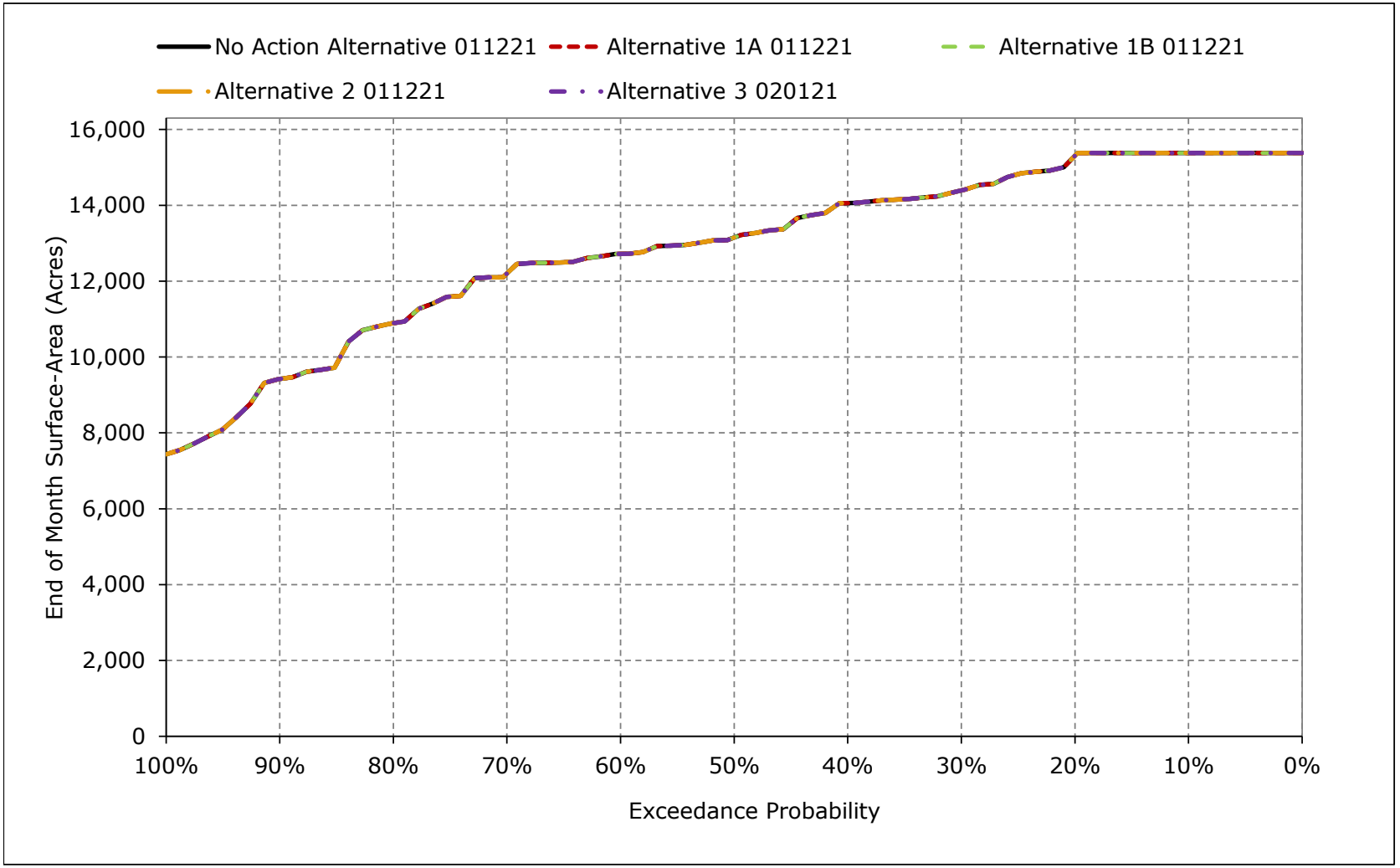


Figure 5B2-3-11. Trinity Lake Surface Area, August

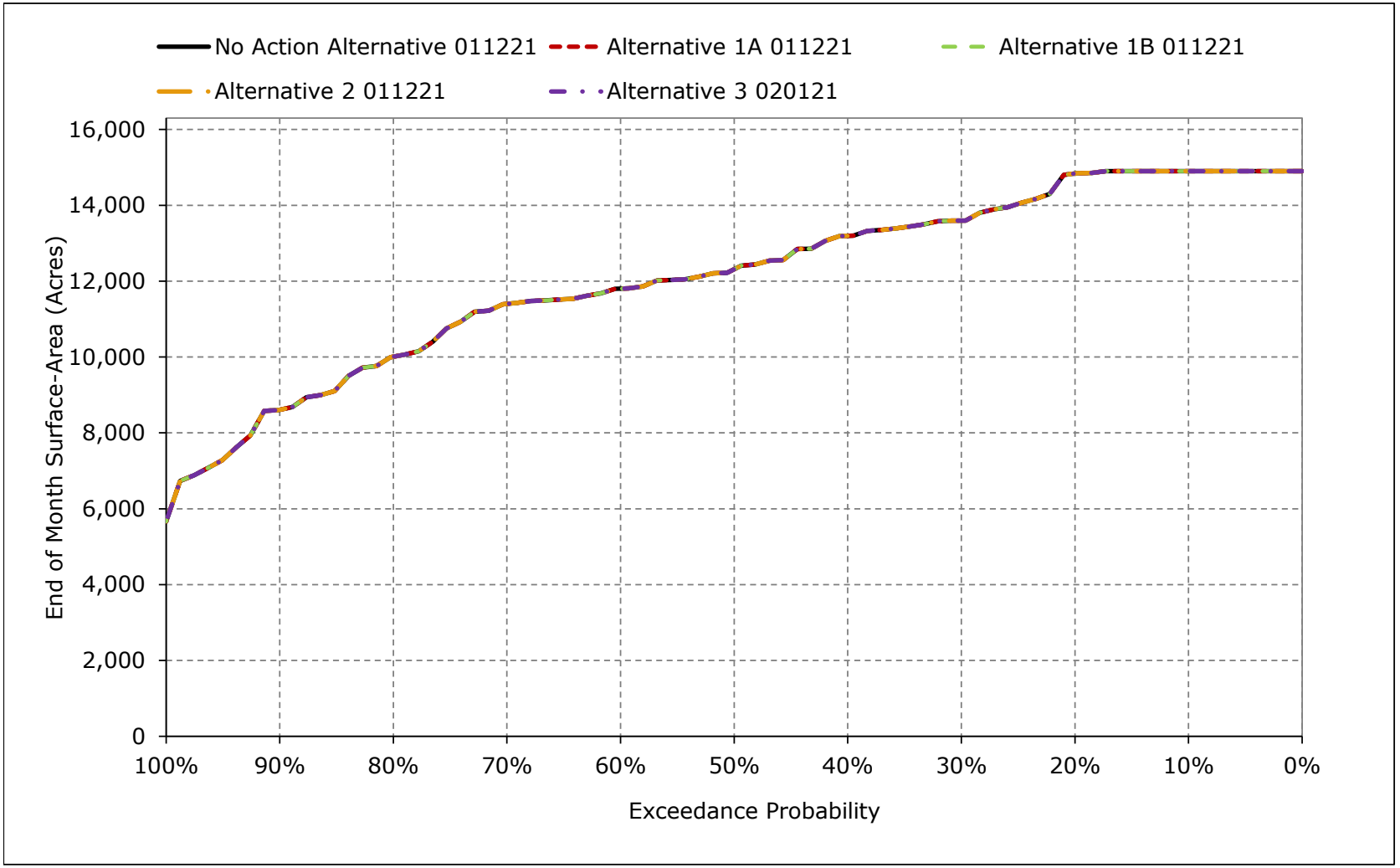


Figure 5B2-3-12. Trinity Lake Surface Area, September

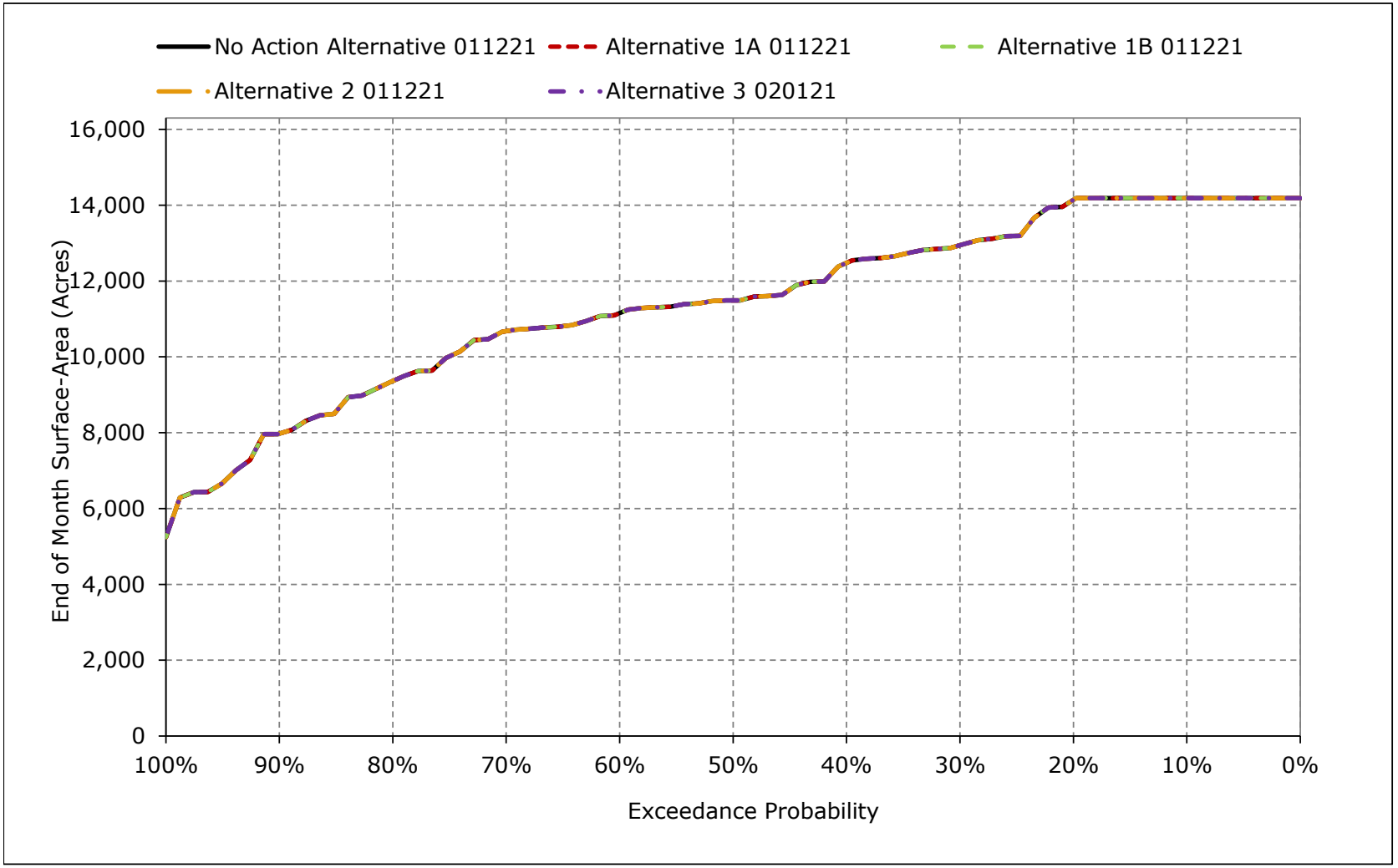


Table 5B2-4-1a. Trinity River Flow below Lewiston, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-1b. Trinity River Flow below Lewiston, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-1c. Trinity River Flow below Lewiston, 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%	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

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 5B2-4-2a. Trinity River Flow below Lewiston, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-2b. Trinity River Flow below Lewiston, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-2c. Trinity River Flow below Lewiston, 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%	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

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 5B2-4-3a. Trinity River Flow below Lewiston, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-3b. Trinity River Flow below Lewiston, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-3c. Trinity River Flow below Lewiston, 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%	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

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 5B2-4-4a. Trinity River Flow below Lewiston, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-4b. Trinity River Flow below Lewiston, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	309	1,051	300	600	4,709	4,626	1,102	870	870
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
30%	373	300	300	300	300	300	540	4,709	2,526	1,102	870	870
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	870	870
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	870	870
60%	373	300	300	300	300	300	473	4,189	2,120	1,102	870	870
70%	373	300	300	300	300	300	460	2,924	783	450	870	870
80%	373	300	300	300	300	300	460	2,924	783	450	870	870
90%	373	300	300	300	300	300	430	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	373	342	519	575	555	526	529	3,784	2,108	923	814	814
Water Year Types[b,c]												
Wet (32%)	373	323	848	1,168	938	974	544	4,649	3,371	1,289	709	709
Above Normal (15%)	373	538	596	300	559	302	478	4,462	2,488	1,048	835	835
Below Normal (17%)	373	300	300	300	385	367	507	3,774	1,672	869	870	870
Dry (22%)	373	300	309	300	300	300	529	3,216	1,251	667	870	870
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	870	870

Table 5B2-4-4c. Trinity River Flow below Lewiston, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

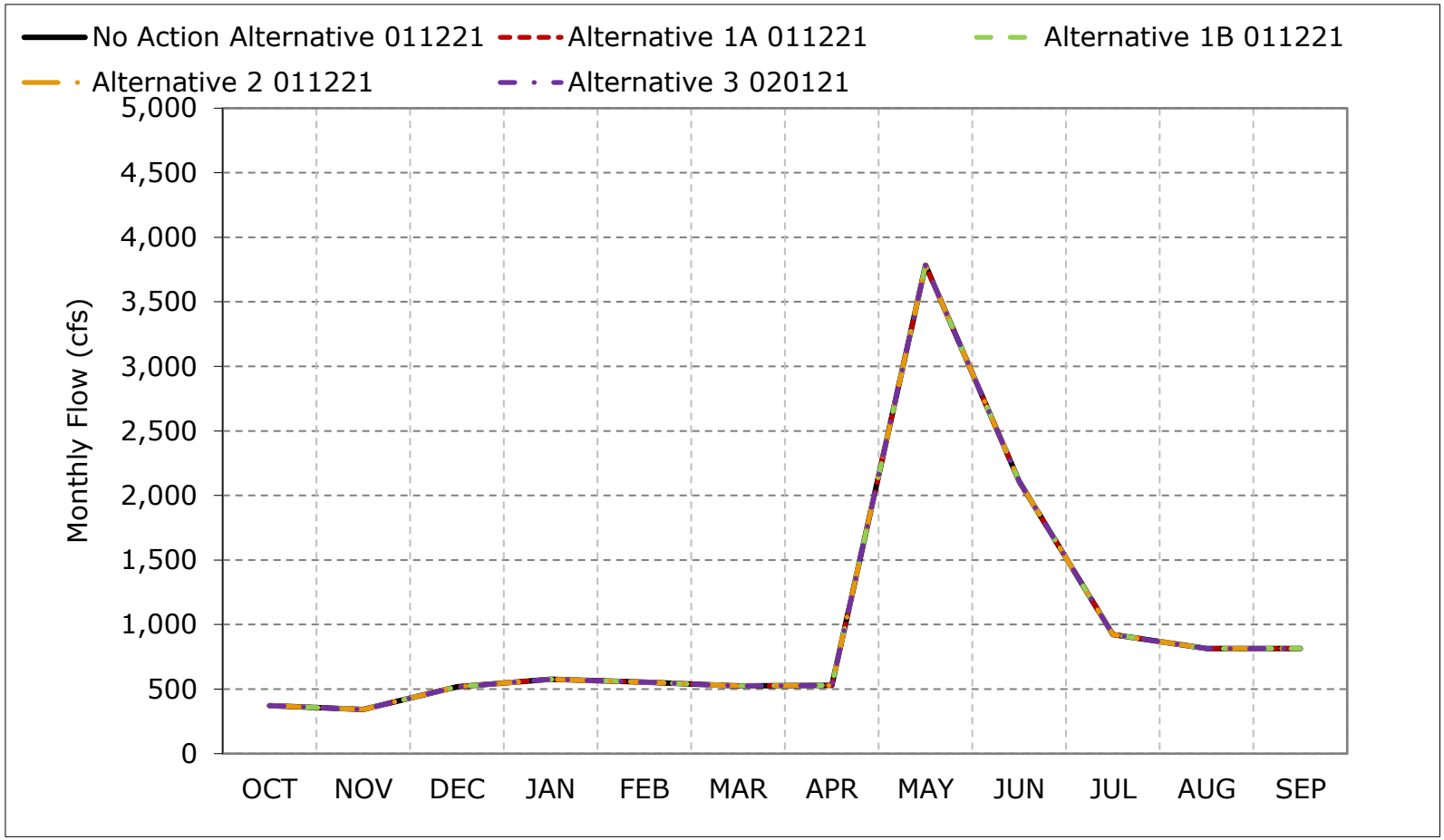
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	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

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).

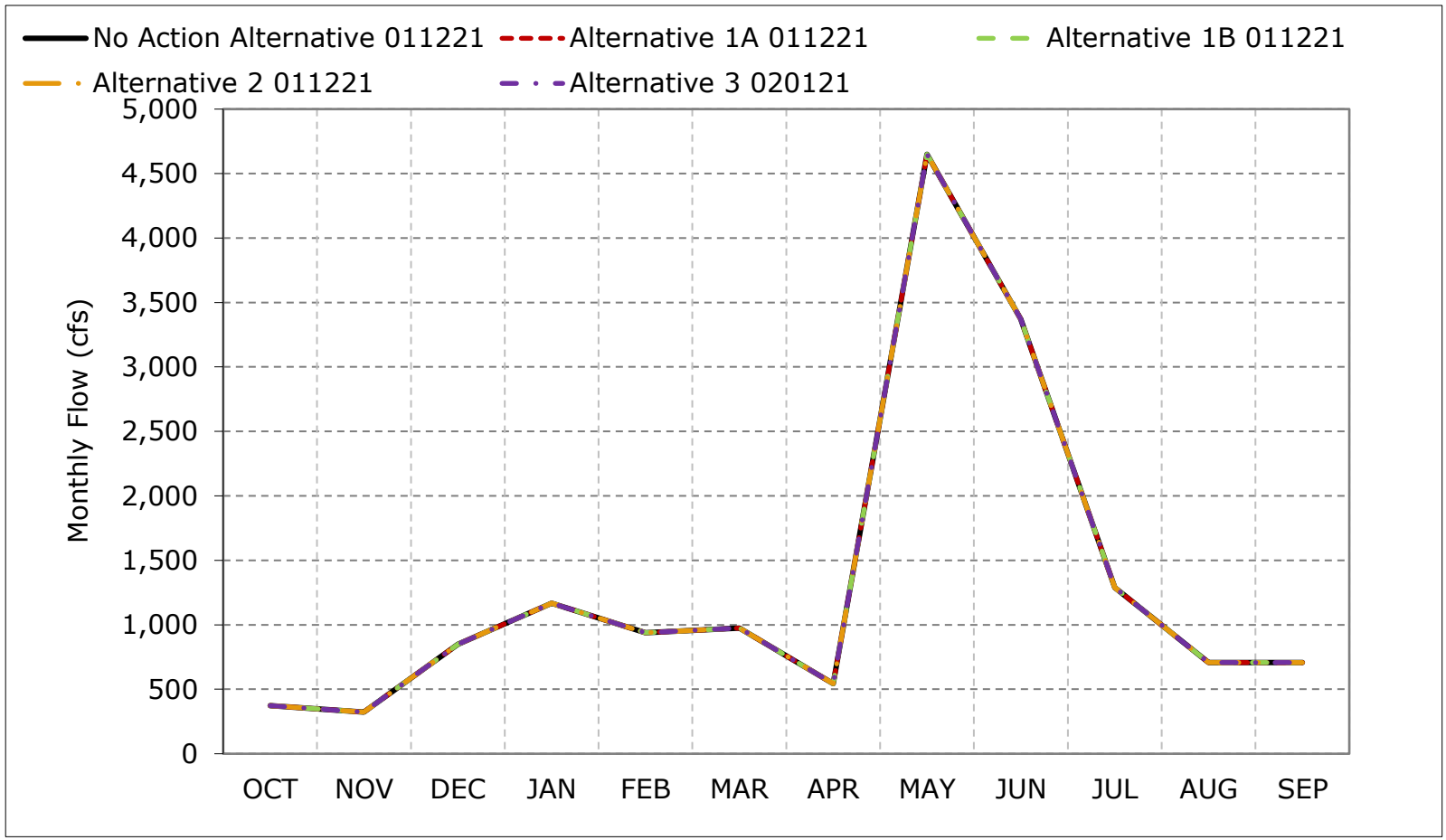
c These results are displayed with calendar year - year type sorting.

Figure 5B2-4-1. Trinity River Flow below Lewiston, Long-Term Average Flow



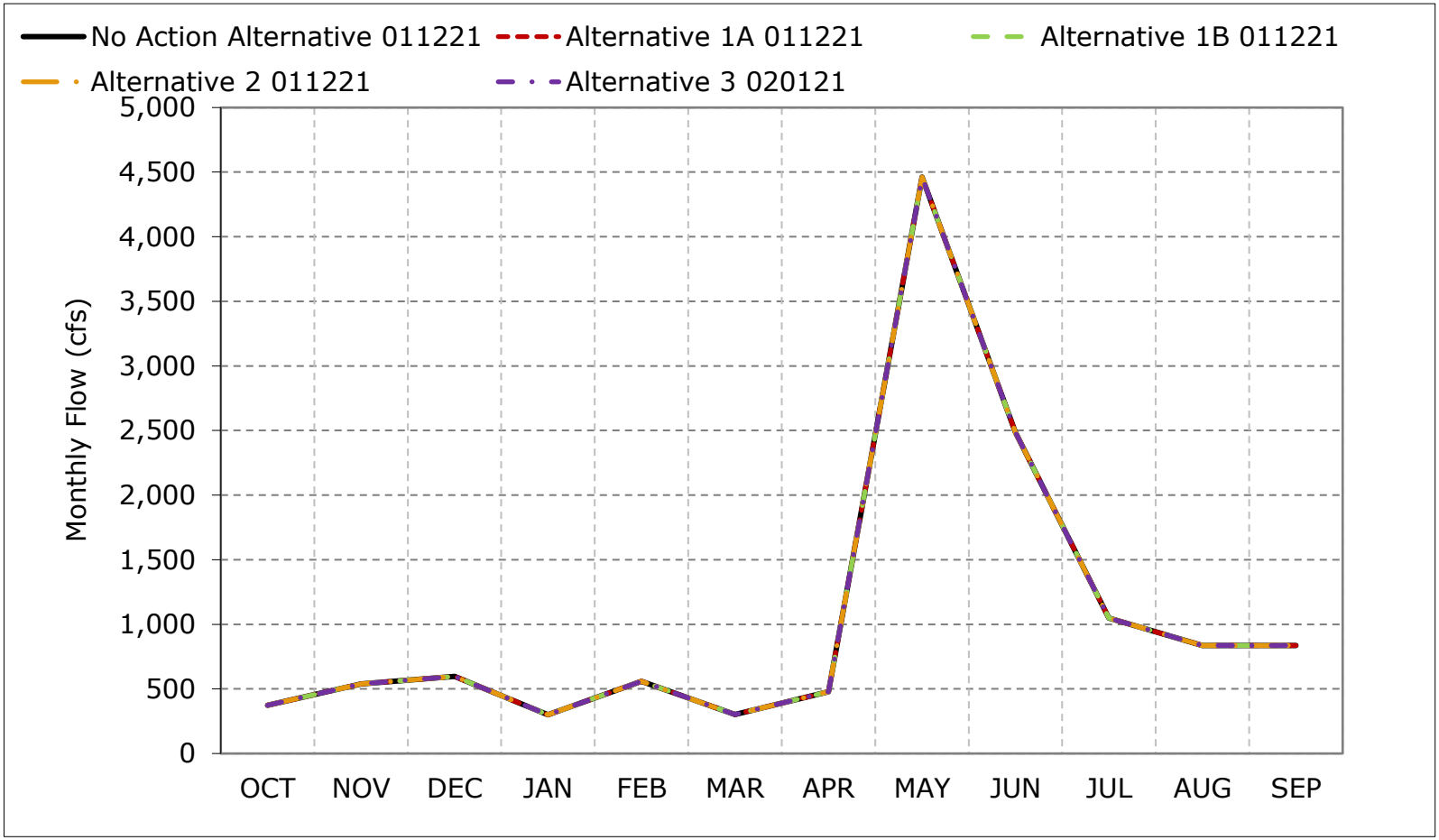
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-4-2. Trinity River Flow below Lewiston, Wet Year Average Flow



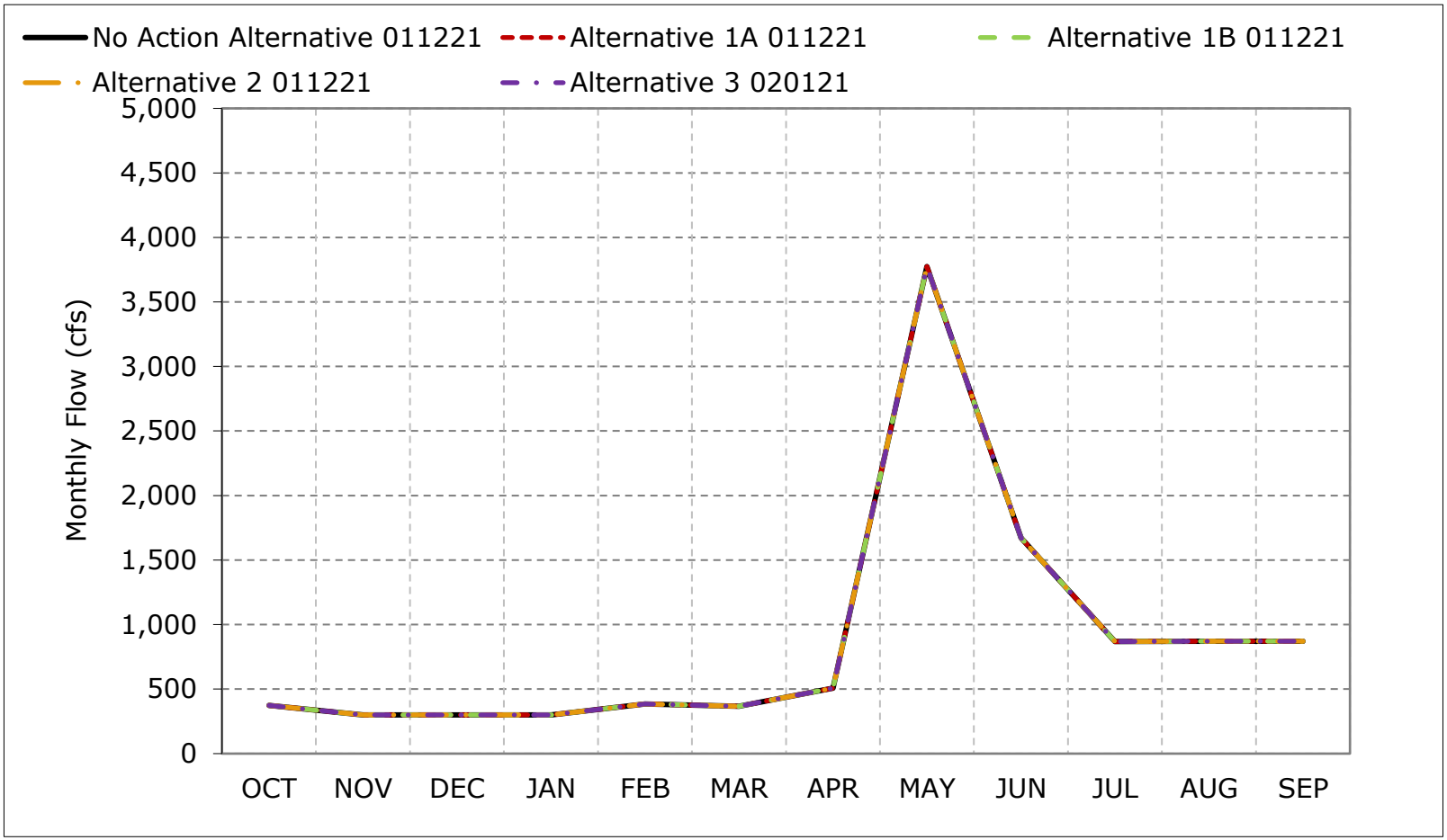
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-4-3. Trinity River Flow below Lewiston, Above Normal Year Average Flow



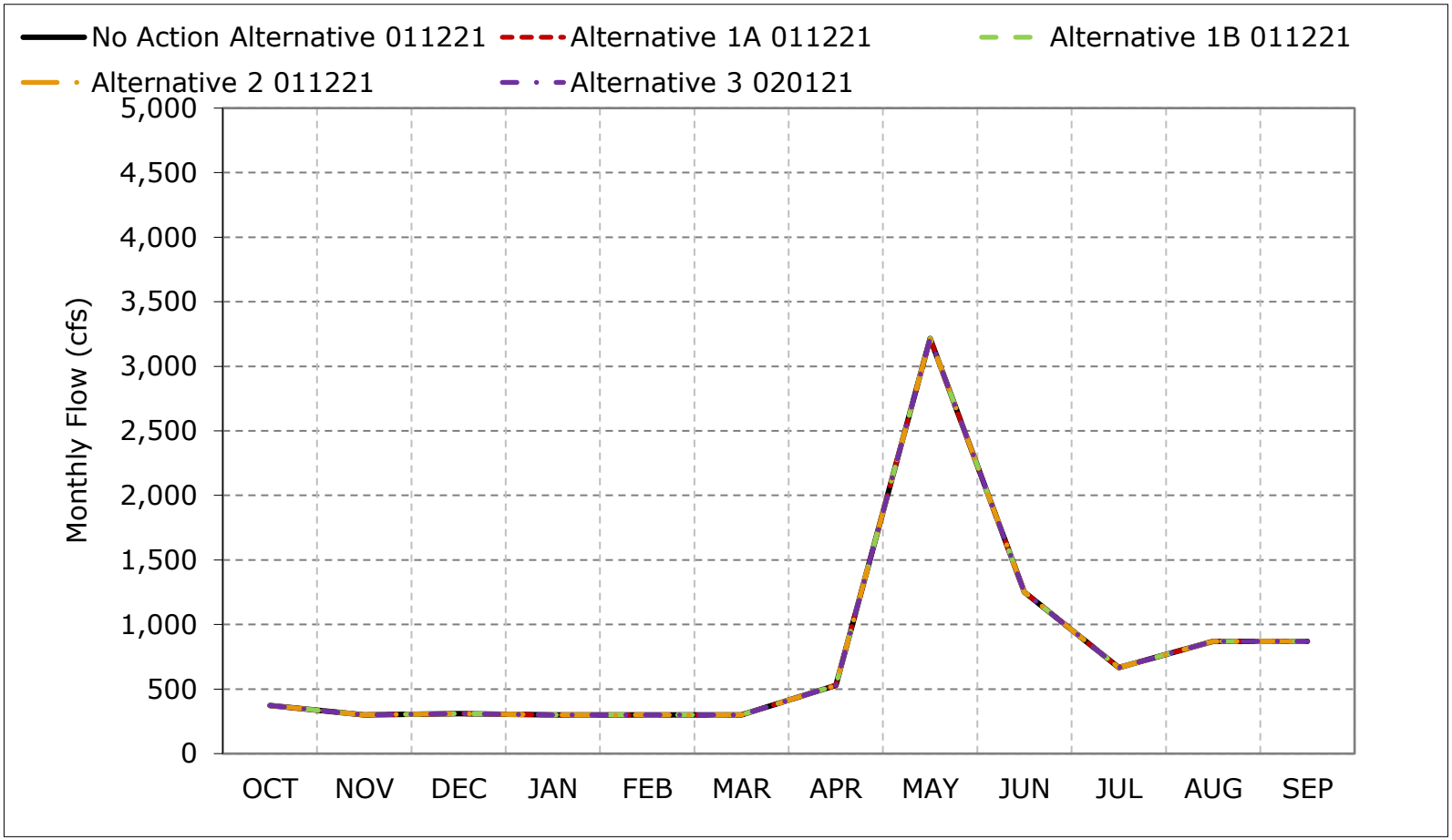
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-4-4. Trinity River Flow below Lewiston, Below Normal Year Average Flow



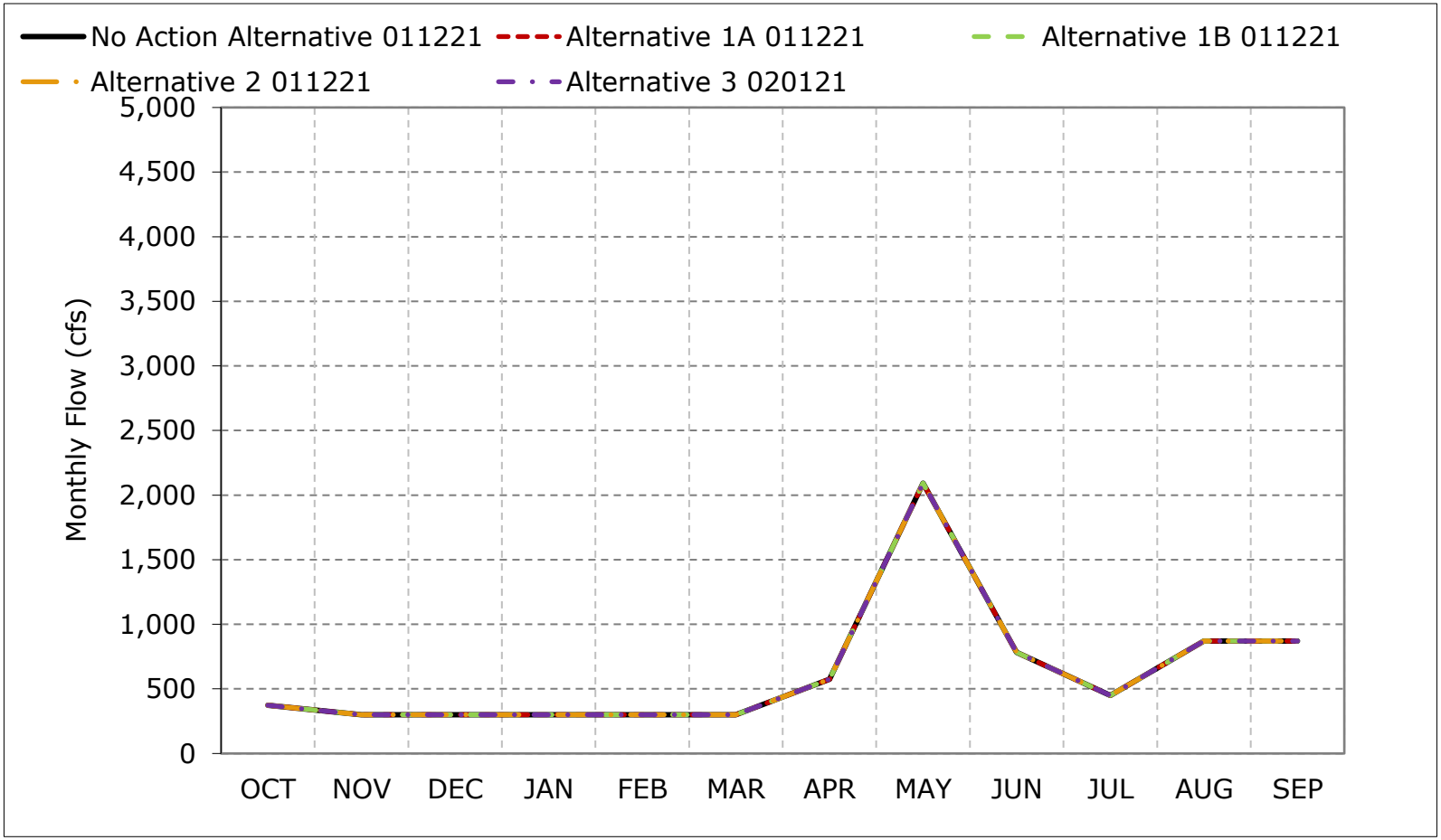
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-4-5. Trinity River Flow below Lewiston, 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 5B2-4-6. Trinity River Flow below Lewiston, 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 5B2-4-7. Trinity River Flow below Lewiston, October

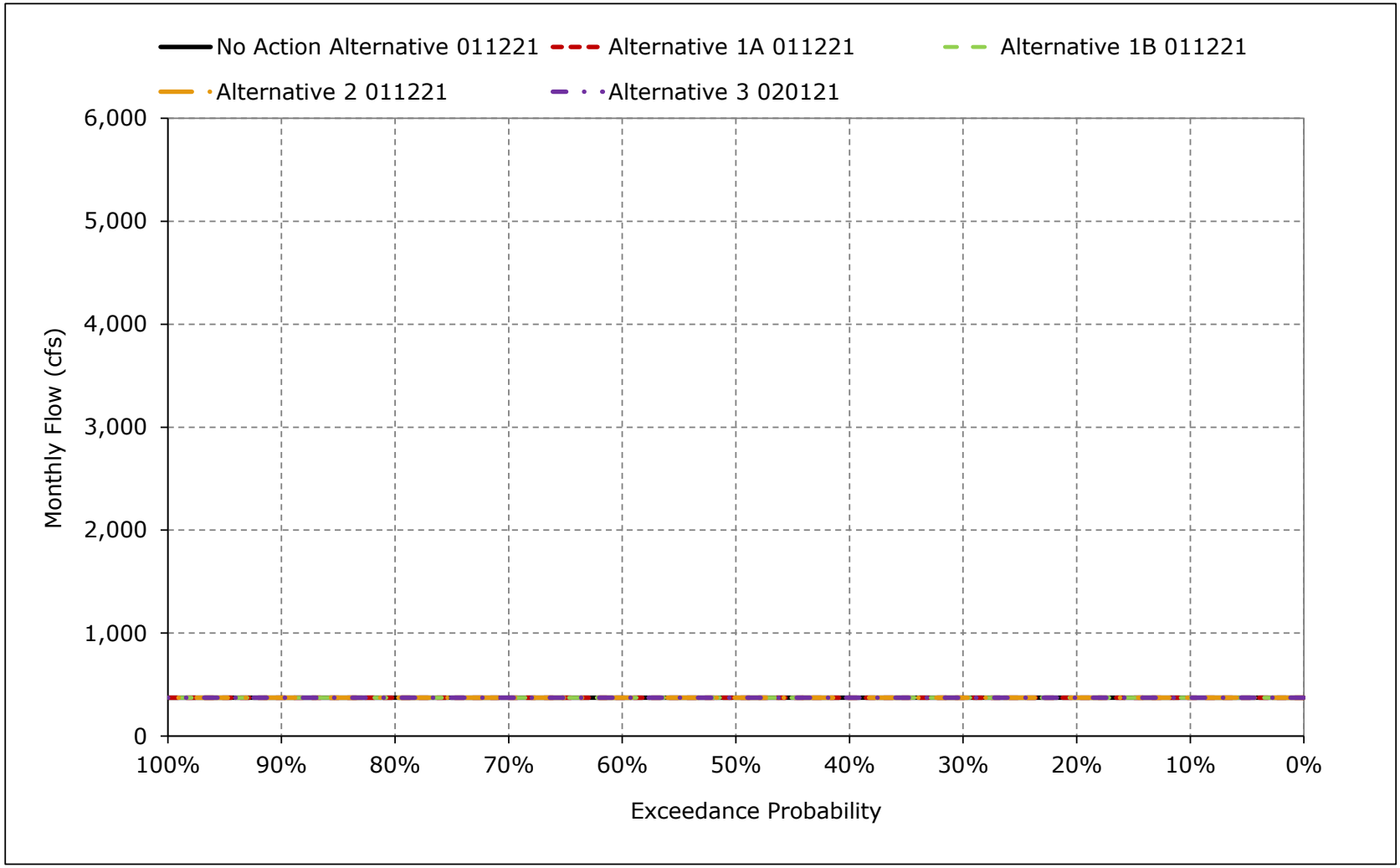


Figure 5B2-4-8. Trinity River Flow below Lewiston, November

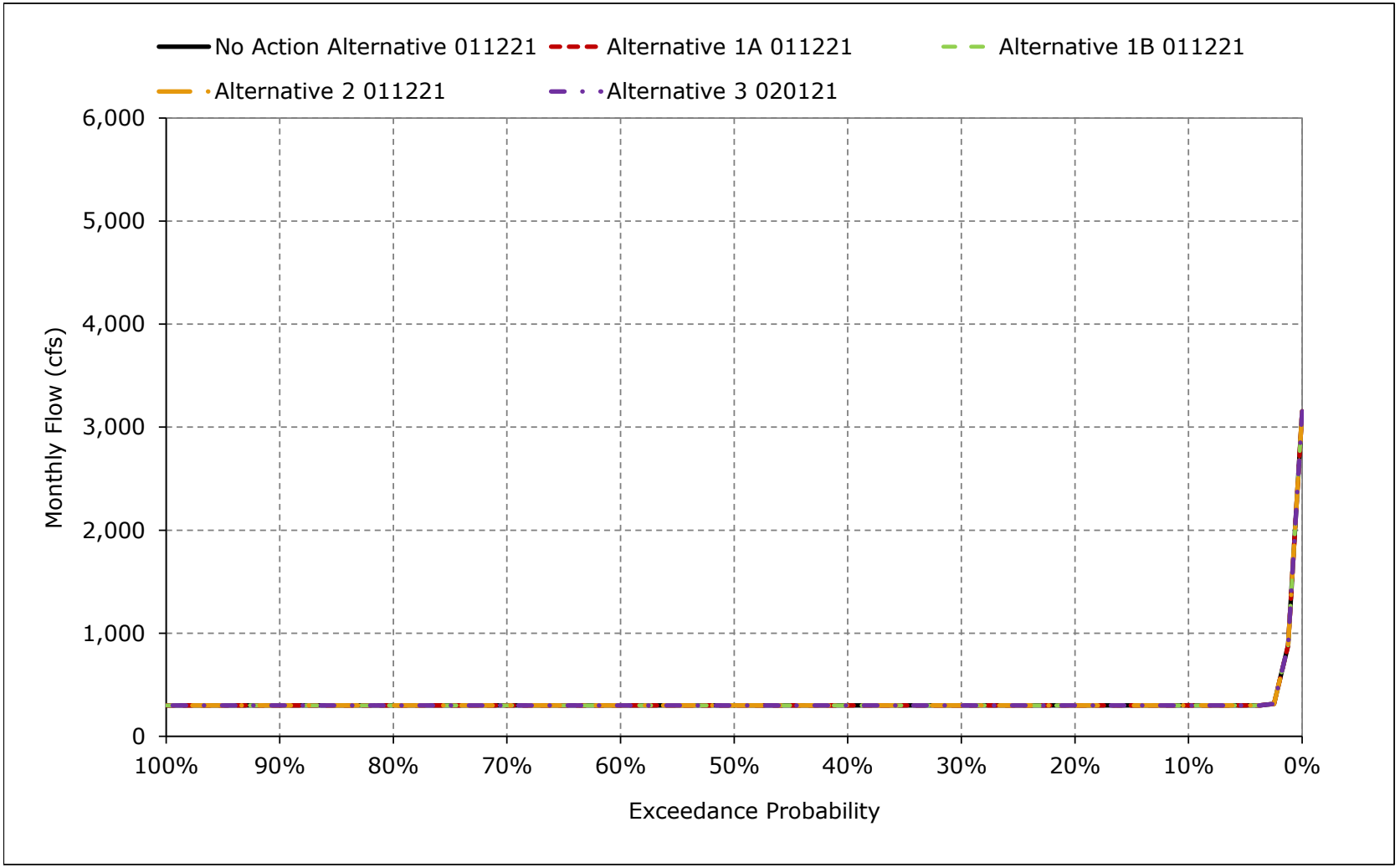


Figure 5B2-4-9. Trinity River Flow below Lewiston, December

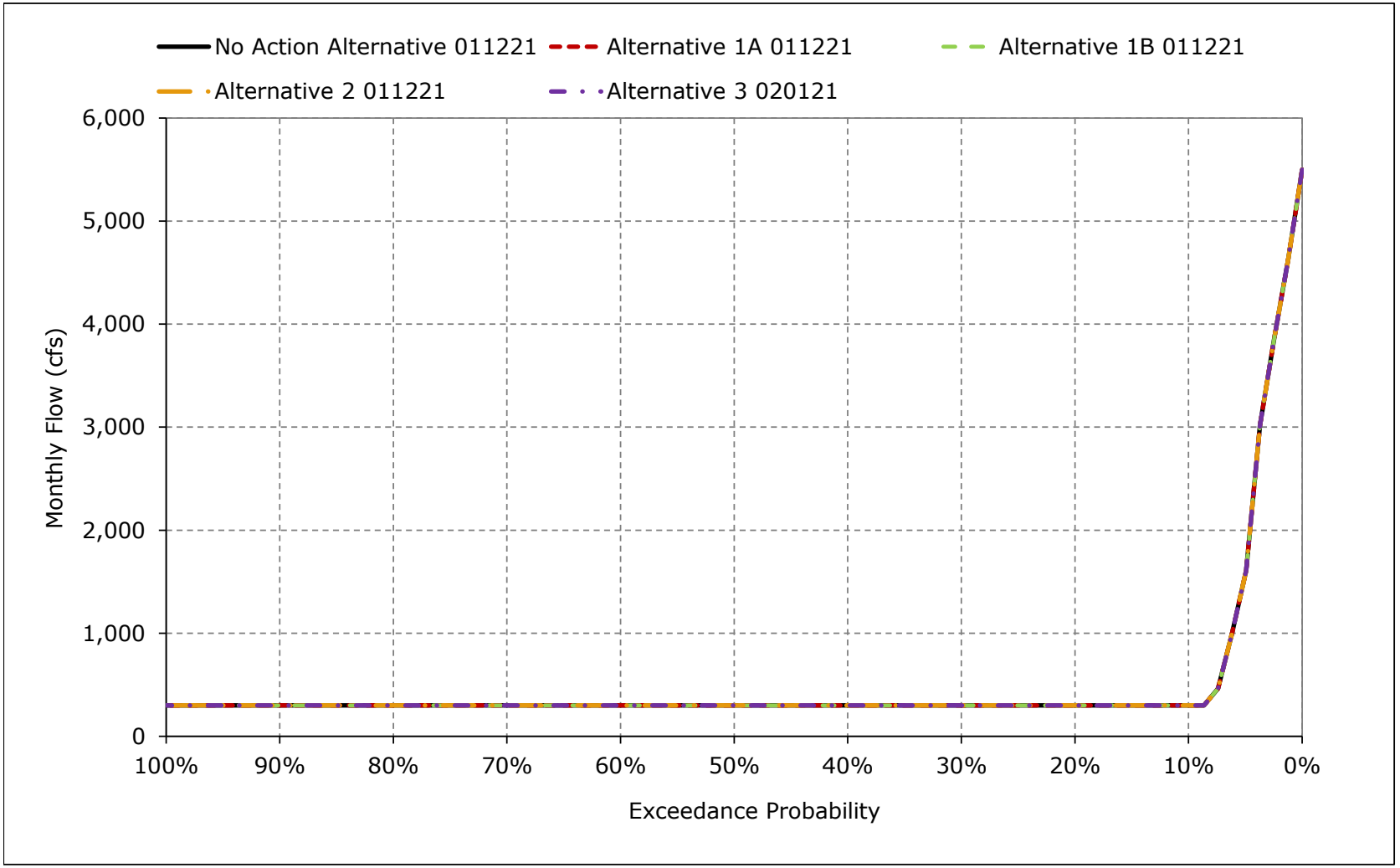


Figure 5B2-4-10. Trinity River Flow below Lewiston, January

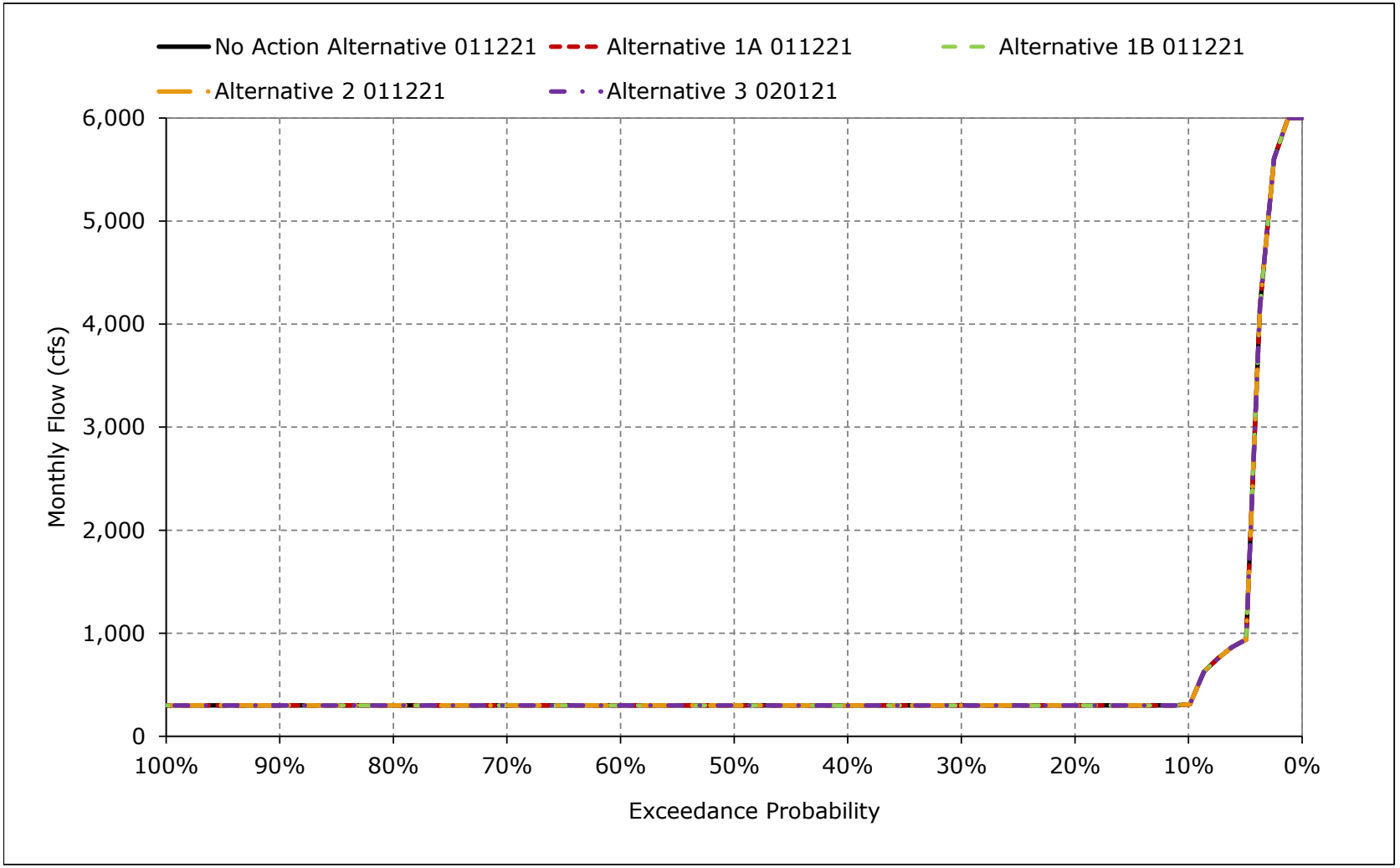


Figure 5B2-4-11. Trinity River Flow below Lewiston, February

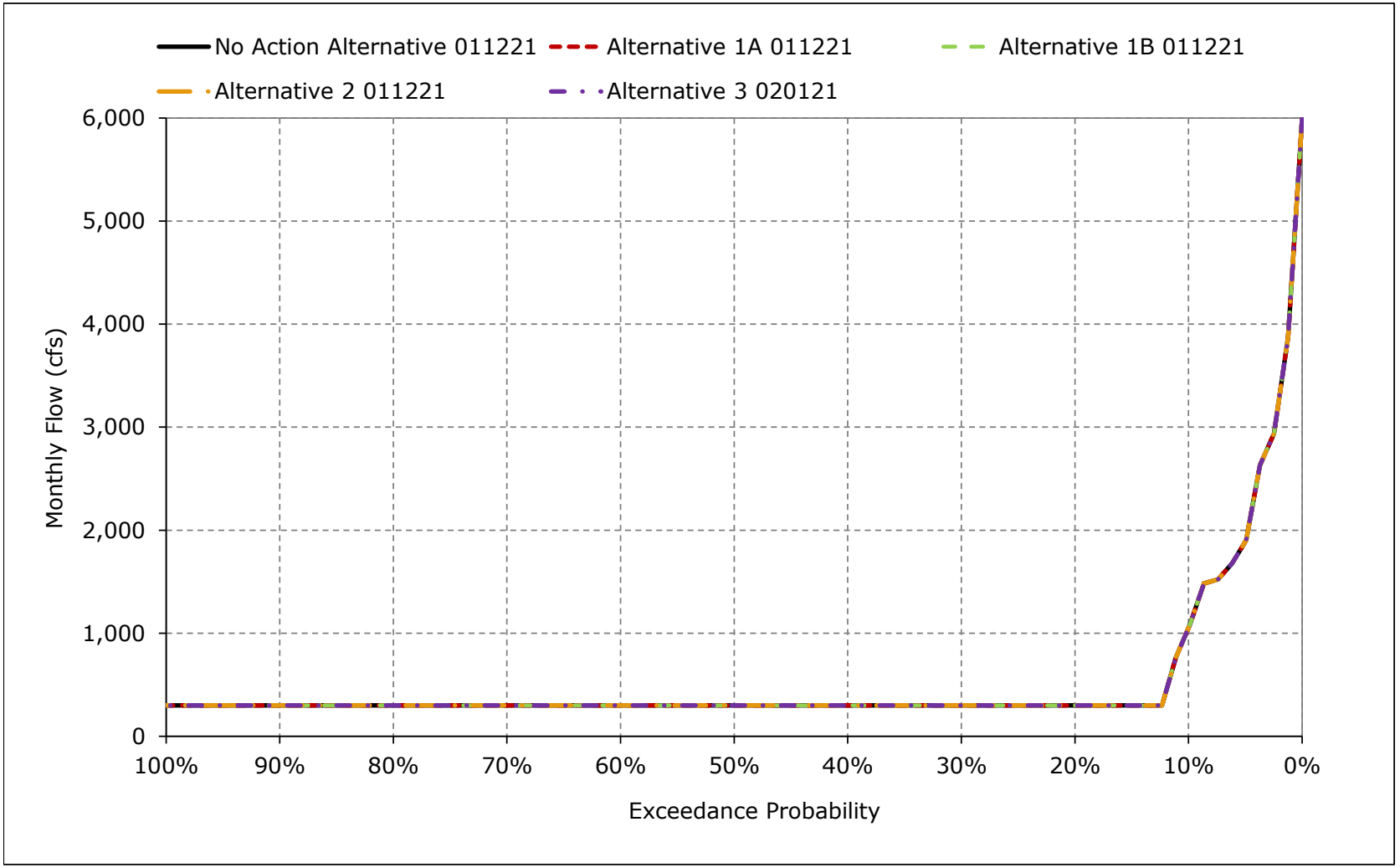


Figure 5B2-4-12. Trinity River Flow below Lewiston, March

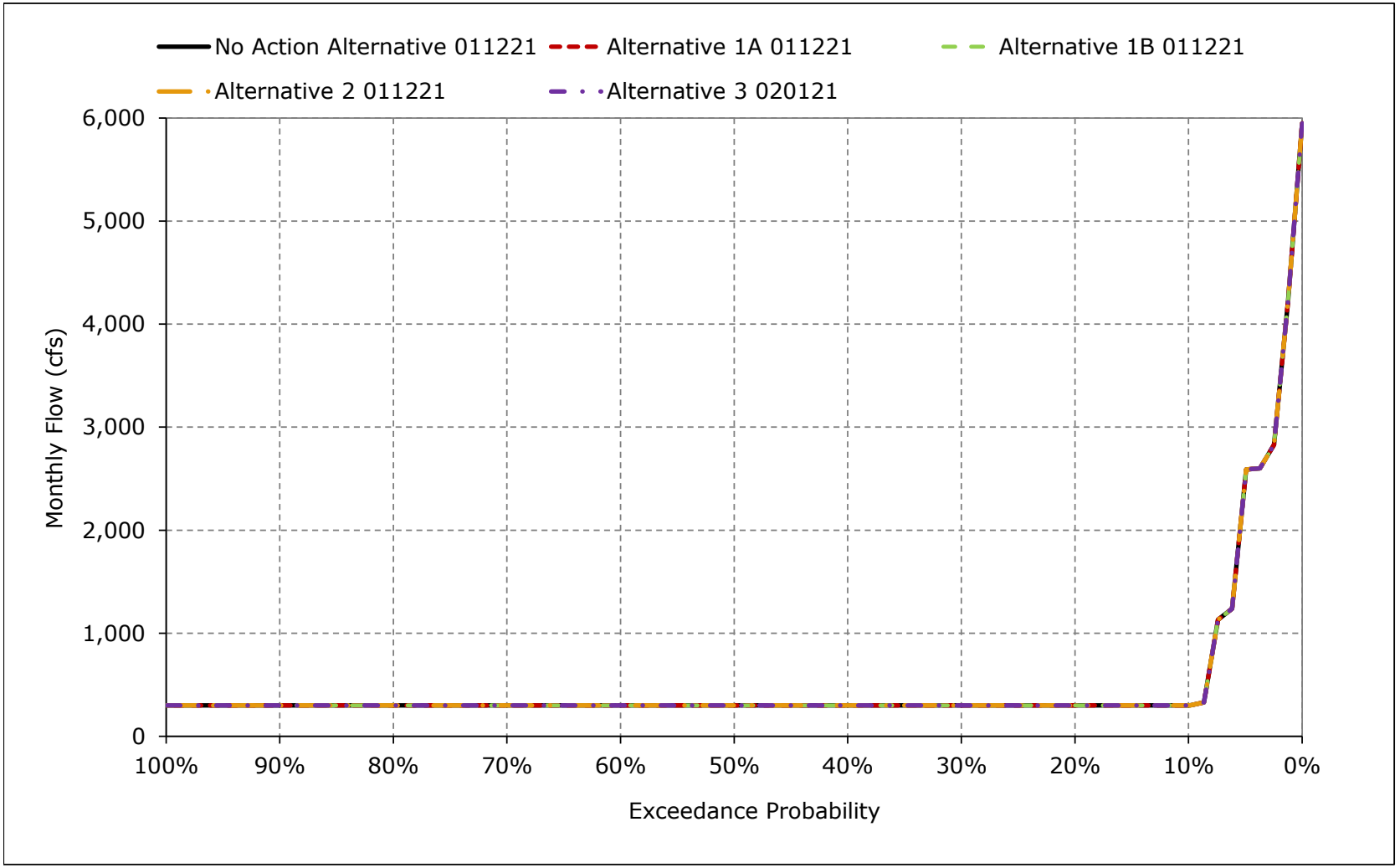


Figure 5B2-4-13. Trinity River Flow below Lewiston, April

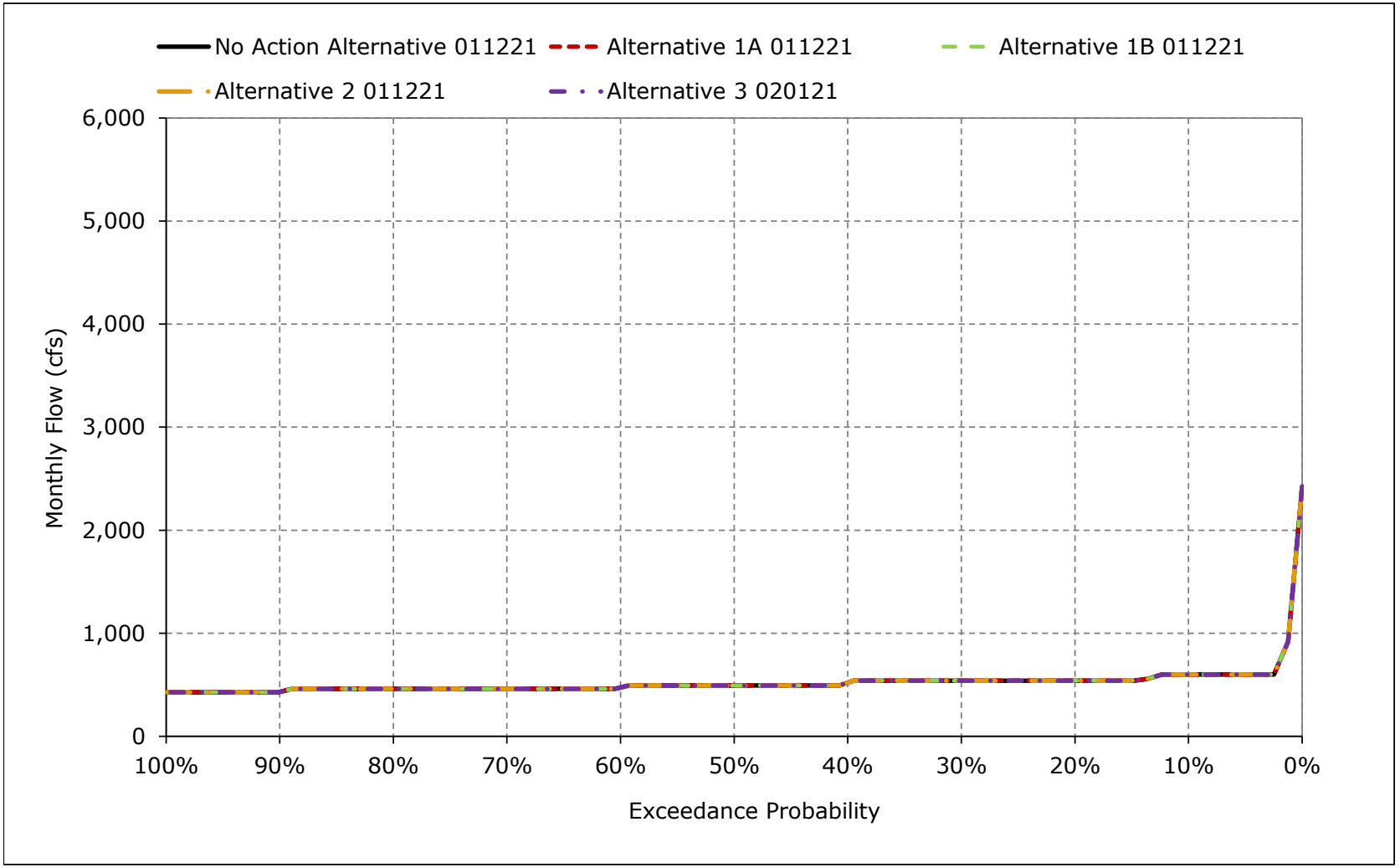


Figure 5B2-4-14. Trinity River Flow below Lewiston, May

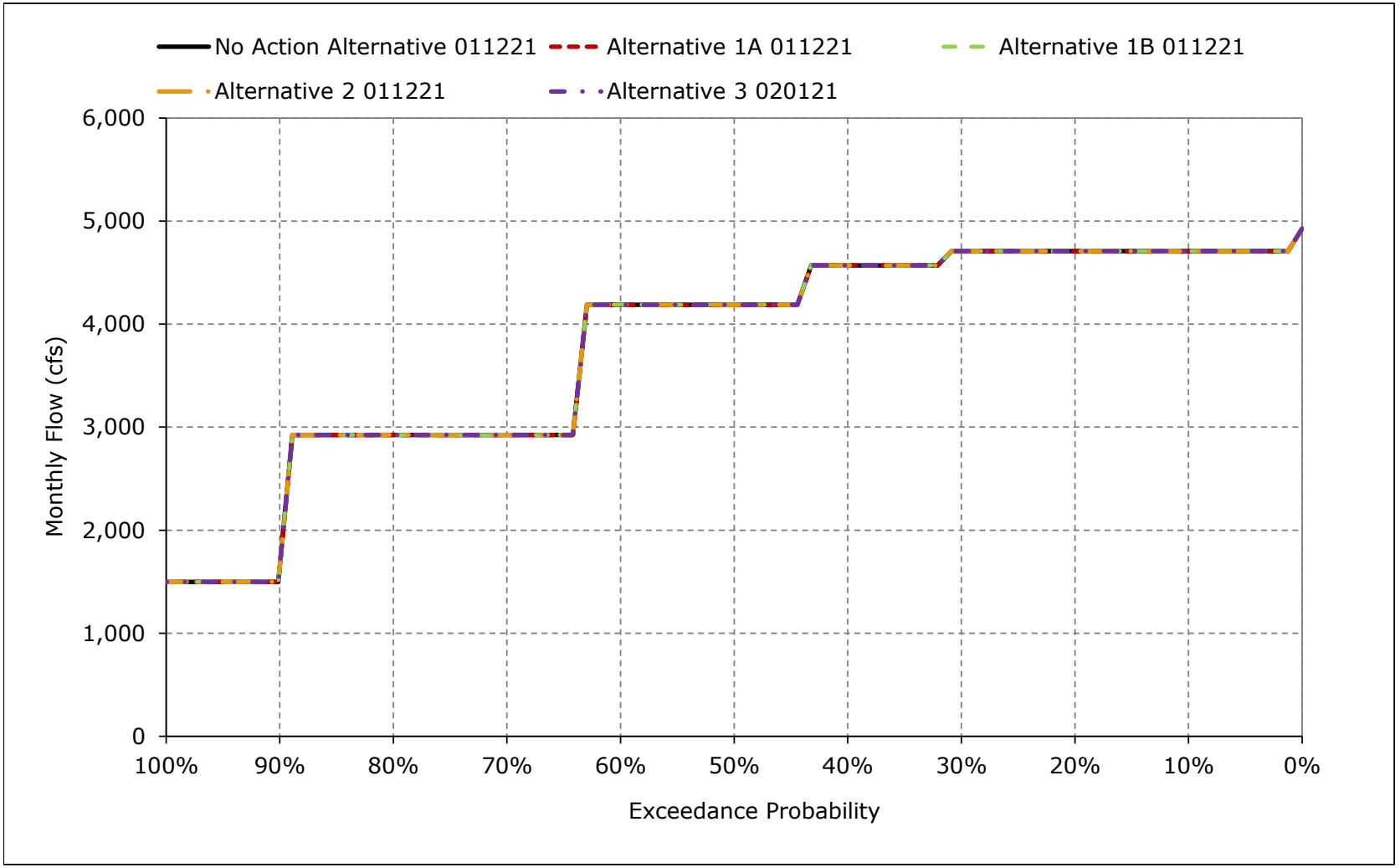


Figure 5B2-4-15. Trinity River Flow below Lewiston, June

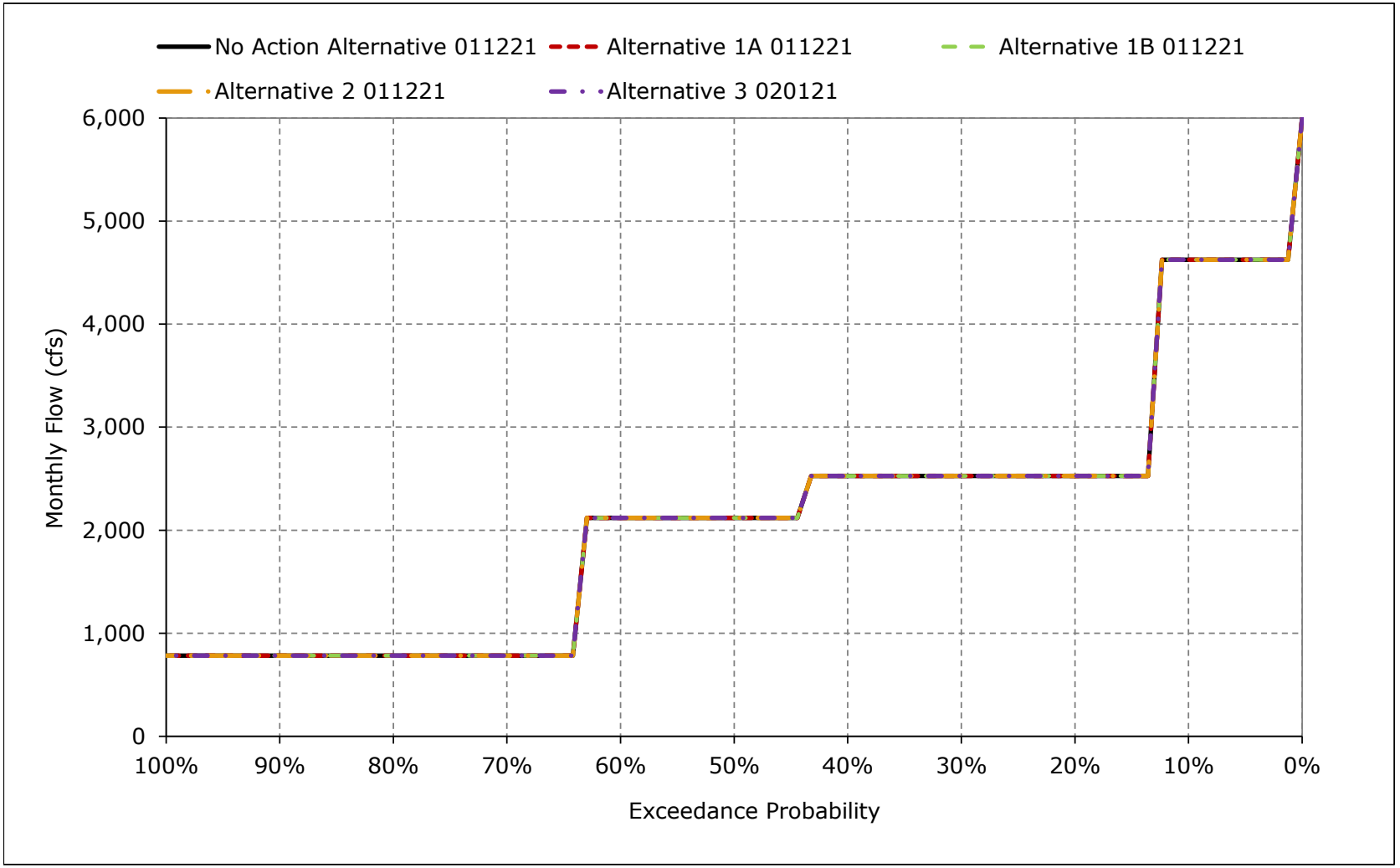


Figure 5B2-4-16. Trinity River Flow below Lewiston, July

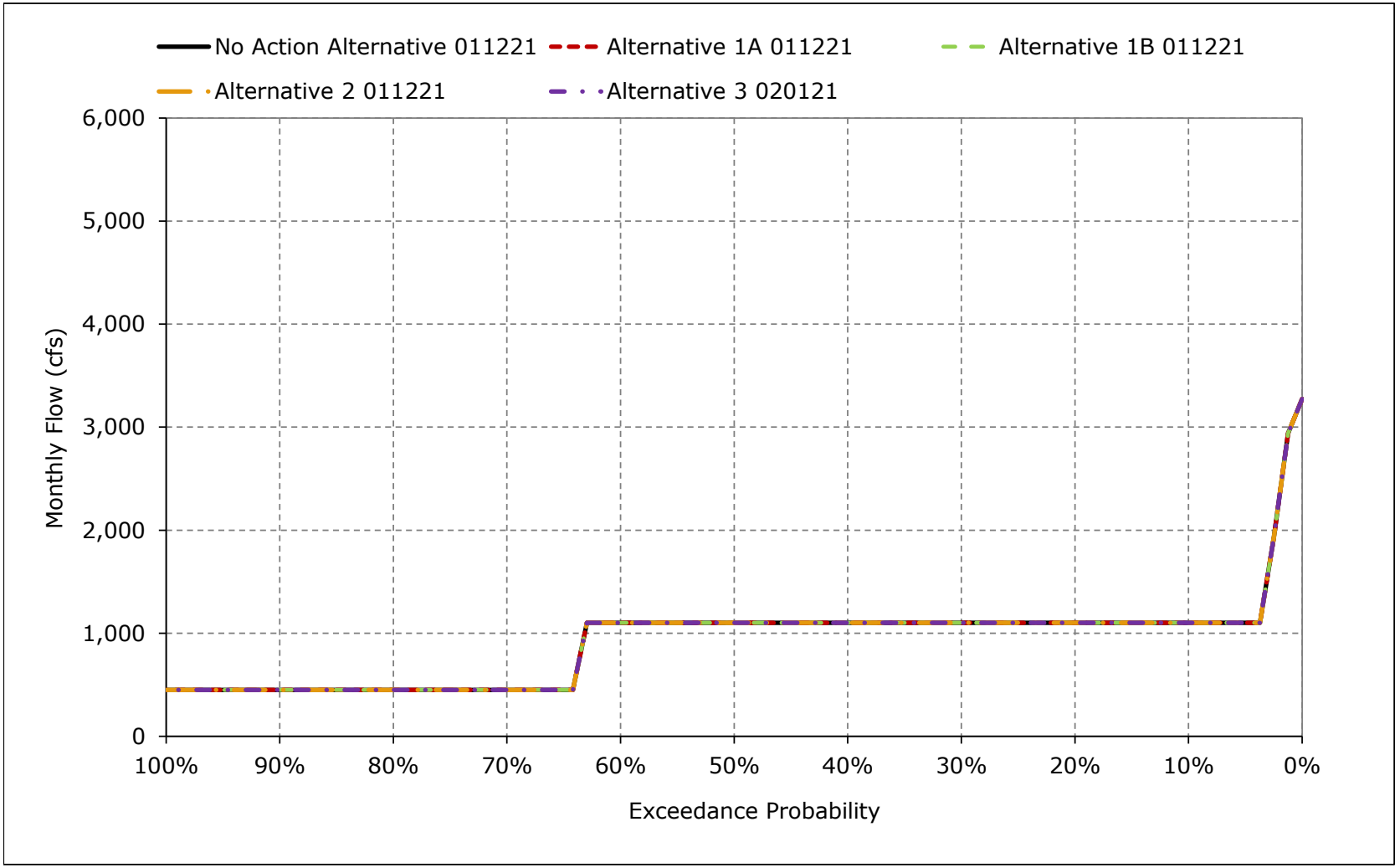


Figure 5B2-4-17. Trinity River Flow below Lewiston, August

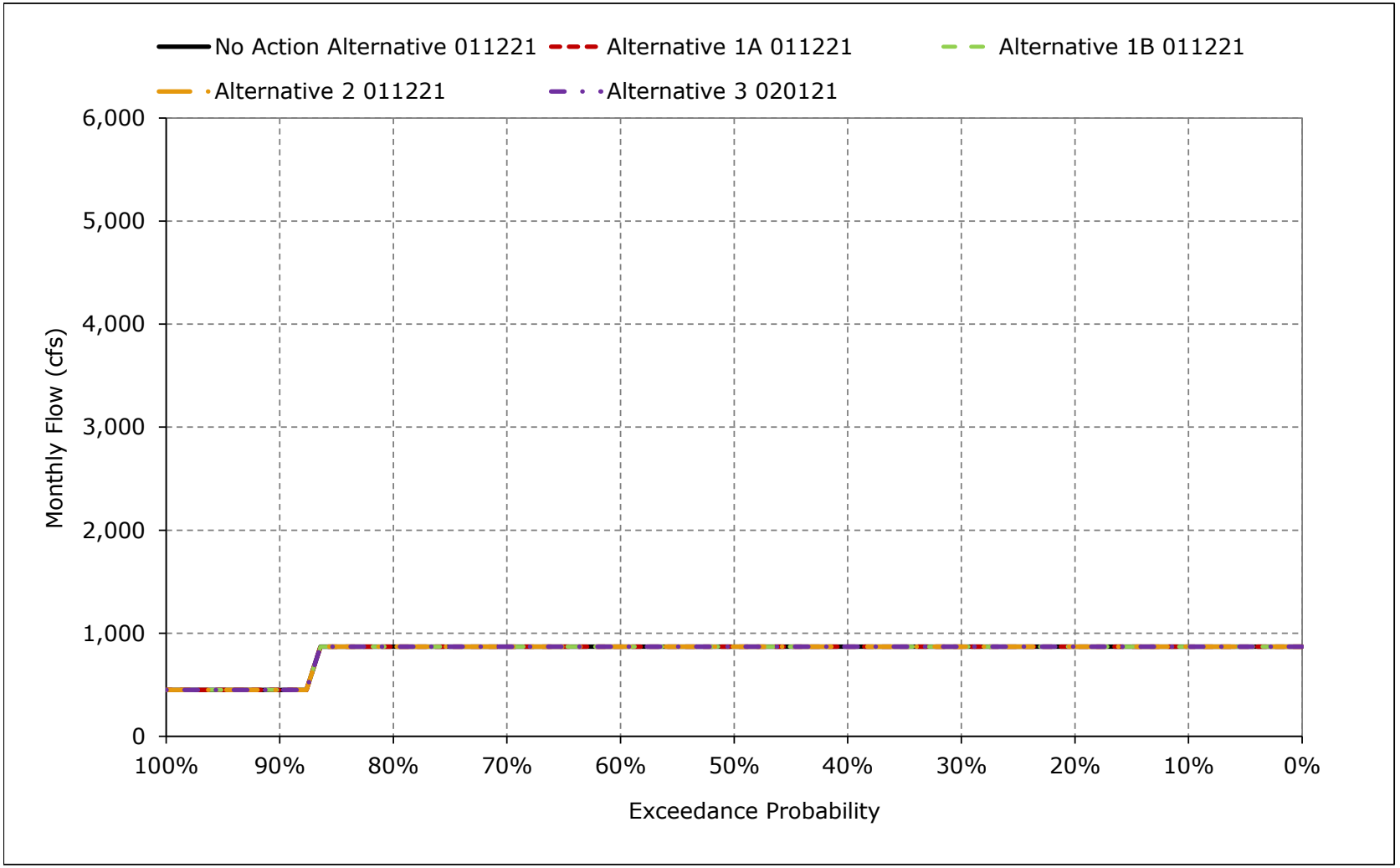


Figure 5B2-4-18. Trinity River Flow below Lewiston, September

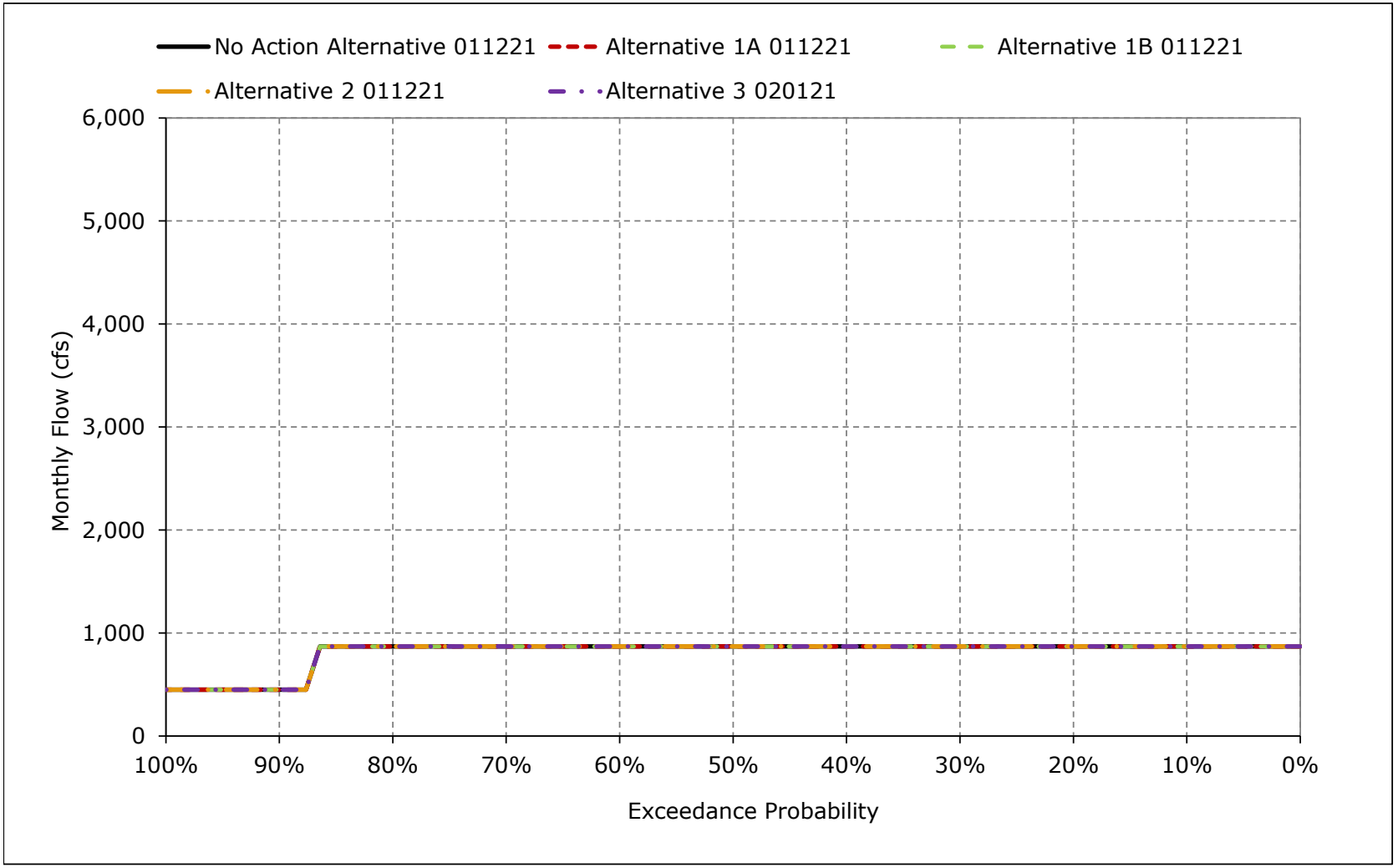


Table 5B2-5-1a. Trinity Import - Clear Creek Tunnel, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-1b. Trinity Import - Clear Creek Tunnel, Alternative 1A 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-1c. Trinity Import - Clear Creek Tunnel, 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	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

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 5B2-5-2a. Trinity Import - Clear Creek Tunnel, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-2b. Trinity Import - Clear Creek Tunnel, Alternative 1B 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-2c. Trinity Import - Clear Creek Tunnel, 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	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

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 5B2-5-3a. Trinity Import - Clear Creek Tunnel, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-3b. Trinity Import - Clear Creek Tunnel, Alternative 2 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-3c. Trinity Import - Clear Creek Tunnel, 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	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

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 5B2-5-4a. Trinity Import - Clear Creek Tunnel, No Action Alternative 011221, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-4b. Trinity Import - Clear Creek Tunnel, Alternative 3 020121, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,864	605	1,051	1,456	593	1,144	639	278	1,296	3,220	2,670	2,550
20%	1,746	505	383	698	297	807	448	128	750	2,075	2,075	2,142
30%	755	505	301	397	104	269	400	66	625	1,895	2,075	2,075
40%	755	357	255	270	100	166	342	0	326	1,533	2,005	2,006
50%	750	138	140	113	100	100	268	0	255	1,500	1,559	1,450
60%	625	55	73	100	62	100	202	0	210	1,500	1,500	1,355
70%	180	16	30	55	28	57	123	0	168	1,487	1,500	1,305
80%	180	0	0	0	0	0	65	0	109	1,105	1,161	730
90%	0	0	0	0	0	0	0	0	0	718	1,105	530
Long Term												
Full Simulation Period[a]	776	306	322	451	212	383	376	147	478	1,651	1,735	1,562
Water Year Types[b,c]												
Wet (32%)	1,452	405	617	543	307	594	447	259	348	1,580	1,560	2,093
Above Normal (15%)	742	541	275	251	287	624	458	0	225	1,383	2,057	1,970
Below Normal (17%)	401	168	75	339	198	411	342	28	454	1,497	1,755	1,344
Dry (22%)	496	237	177	312	138	78	249	192	801	2,076	1,910	1,199
Critical (15%)	203	120	233	791	57	112	370	125	559	1,618	1,508	801

Table 5B2-5-4c. Trinity Import - Clear Creek Tunnel, Alternative 3 020121 minus No Action Alternative 011221, Monthly Diversion (cfs)

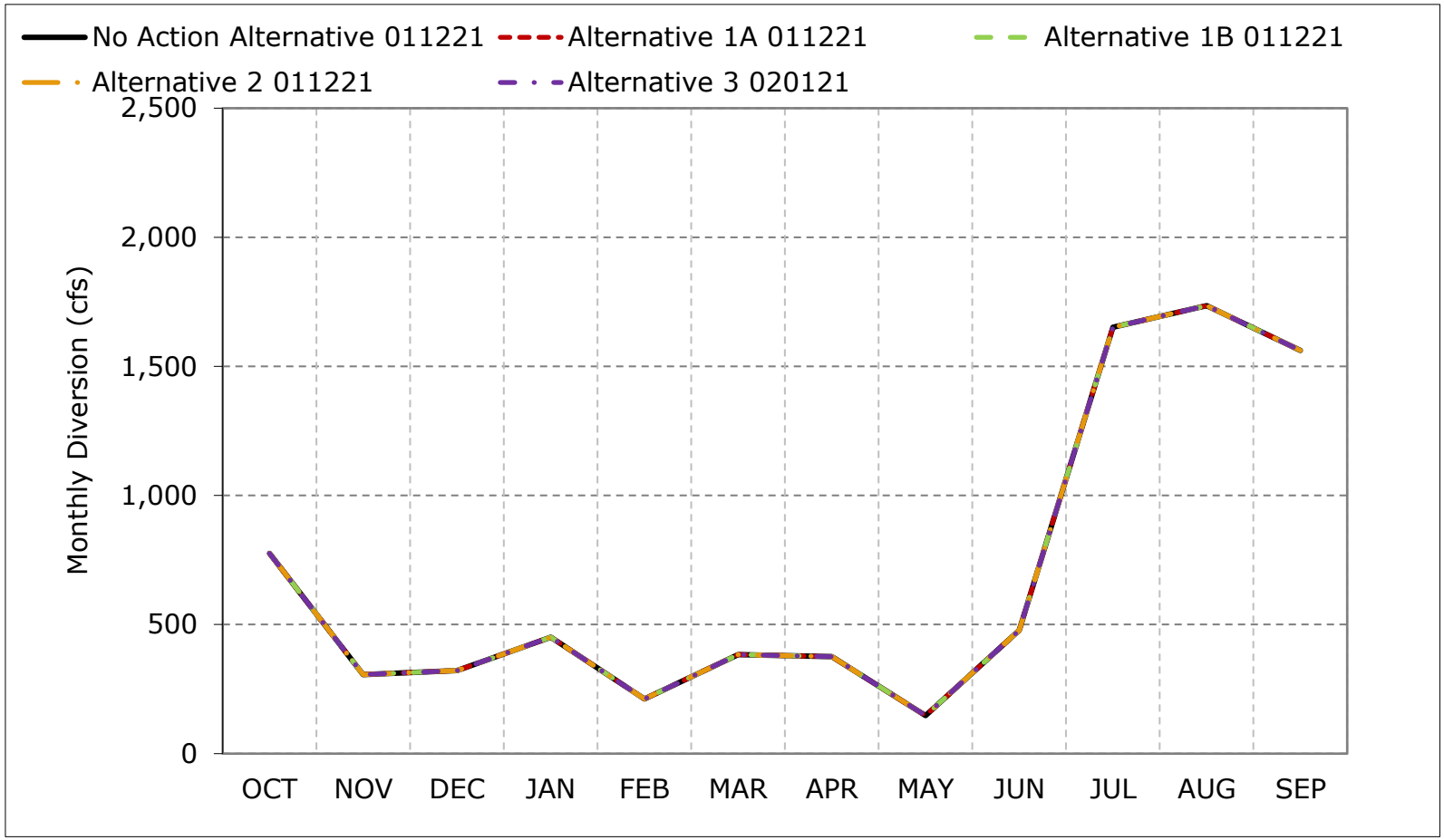
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	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

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).

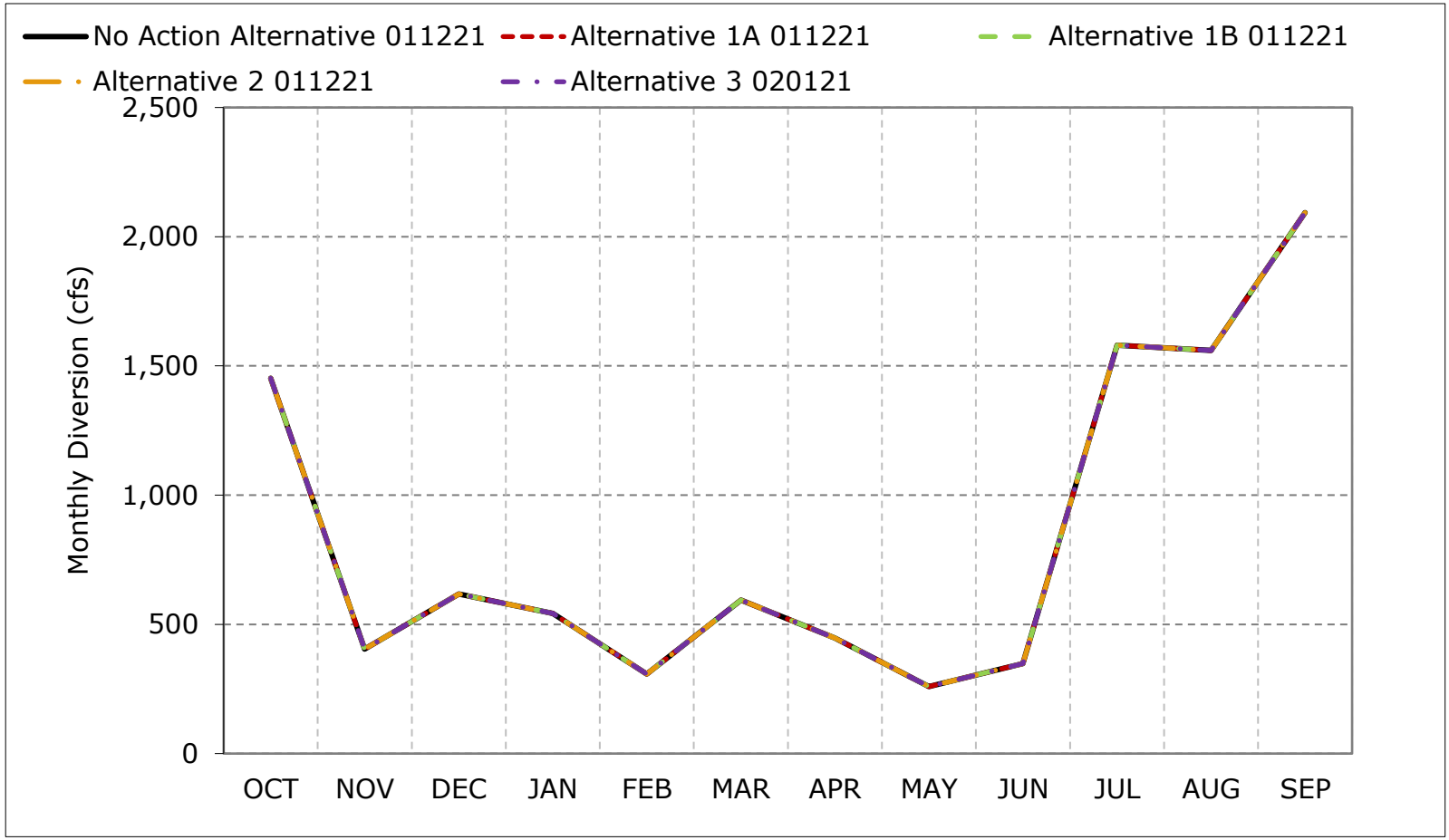
c These results are displayed with calendar year - year type sorting.

Figure 5B2-5-1. Trinity Import - Clear Creek Tunnel, Long-Term Average Diversion



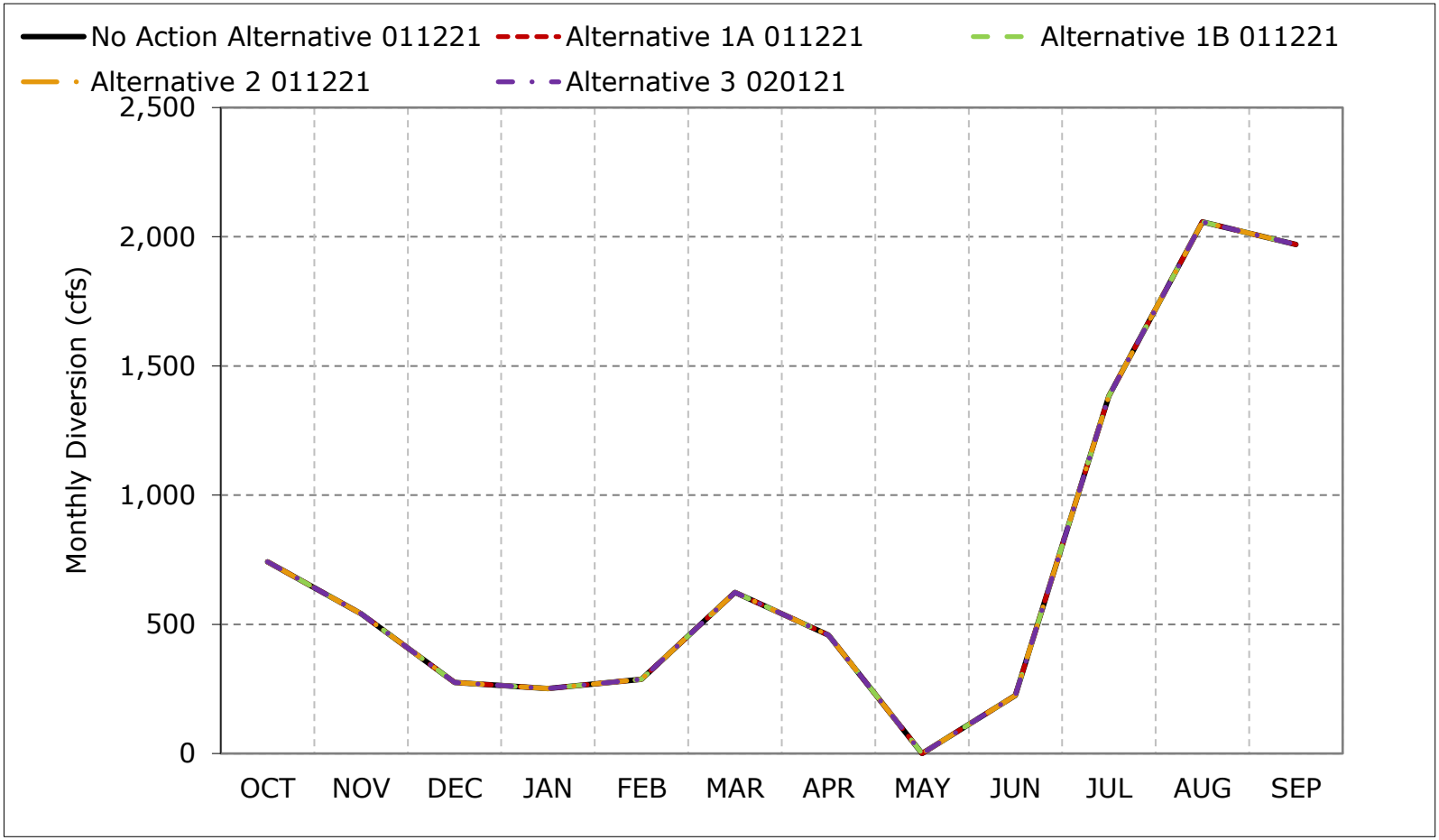
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-5-2. Trinity Import - Clear Creek Tunnel, Wet Year Average Diversion



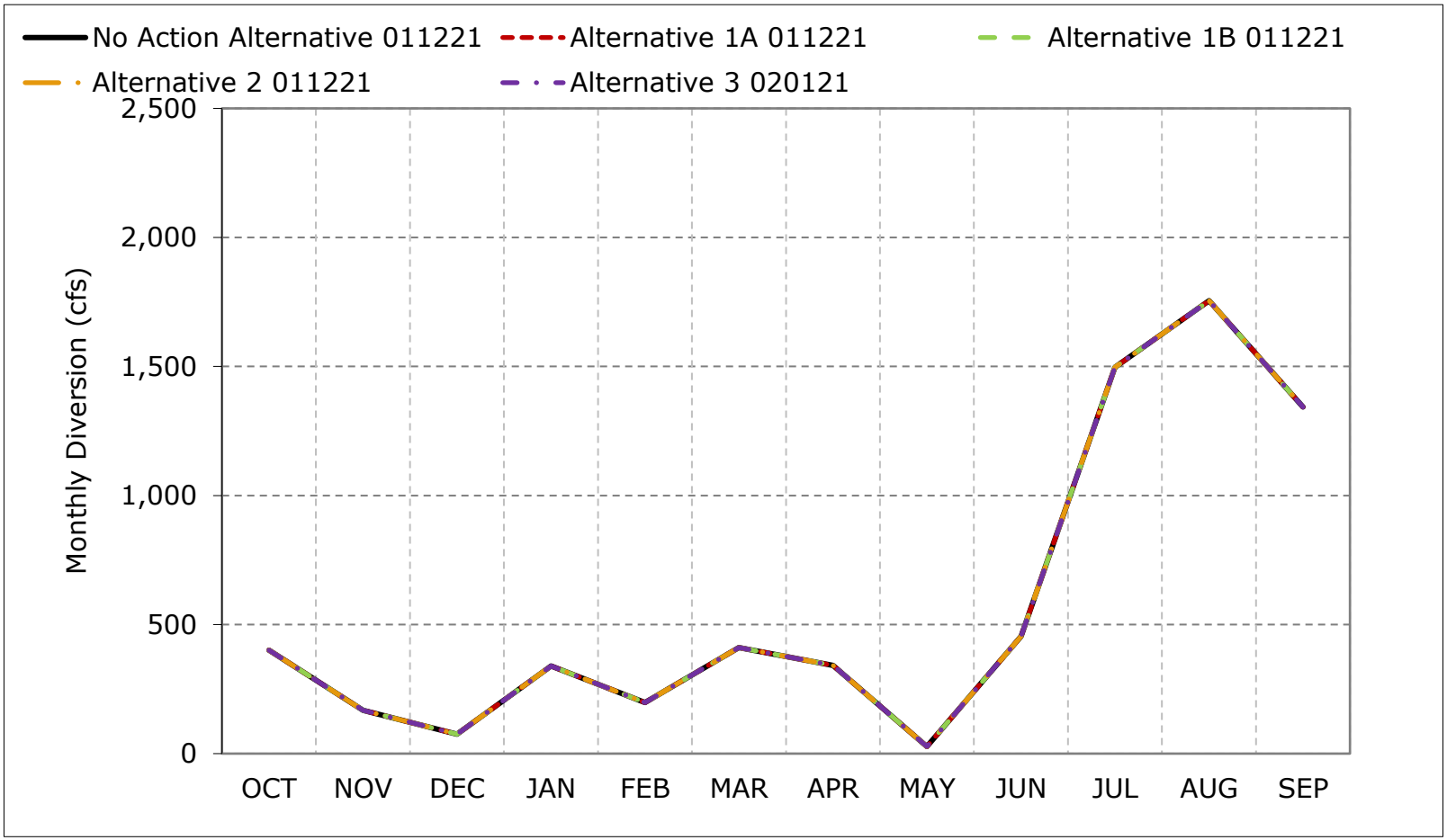
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-5-3. Trinity Import - Clear Creek Tunnel, Above Normal Year Average Diversion



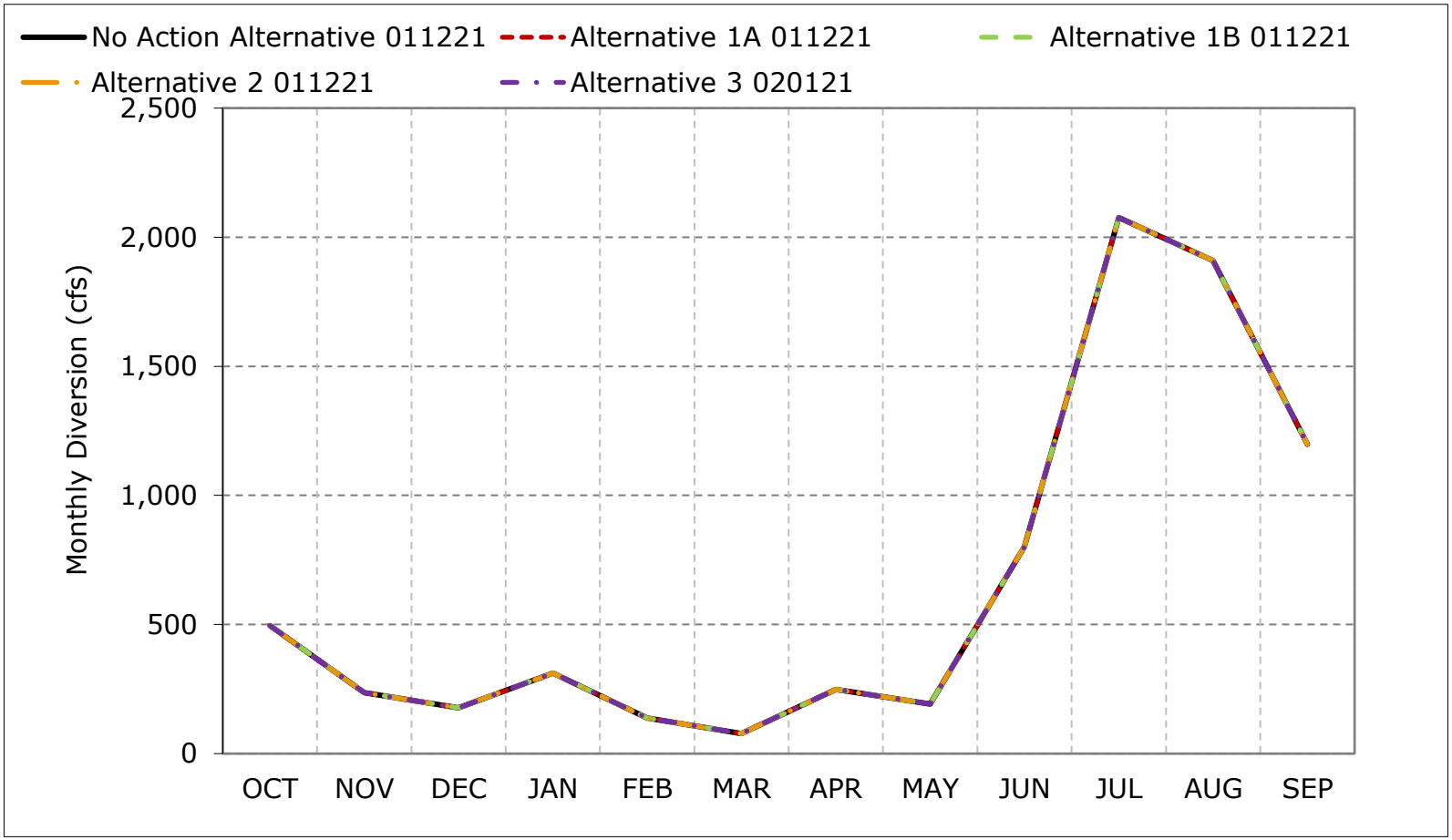
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-5-4. Trinity Import - Clear Creek Tunnel, Below Normal Year Average Diversion



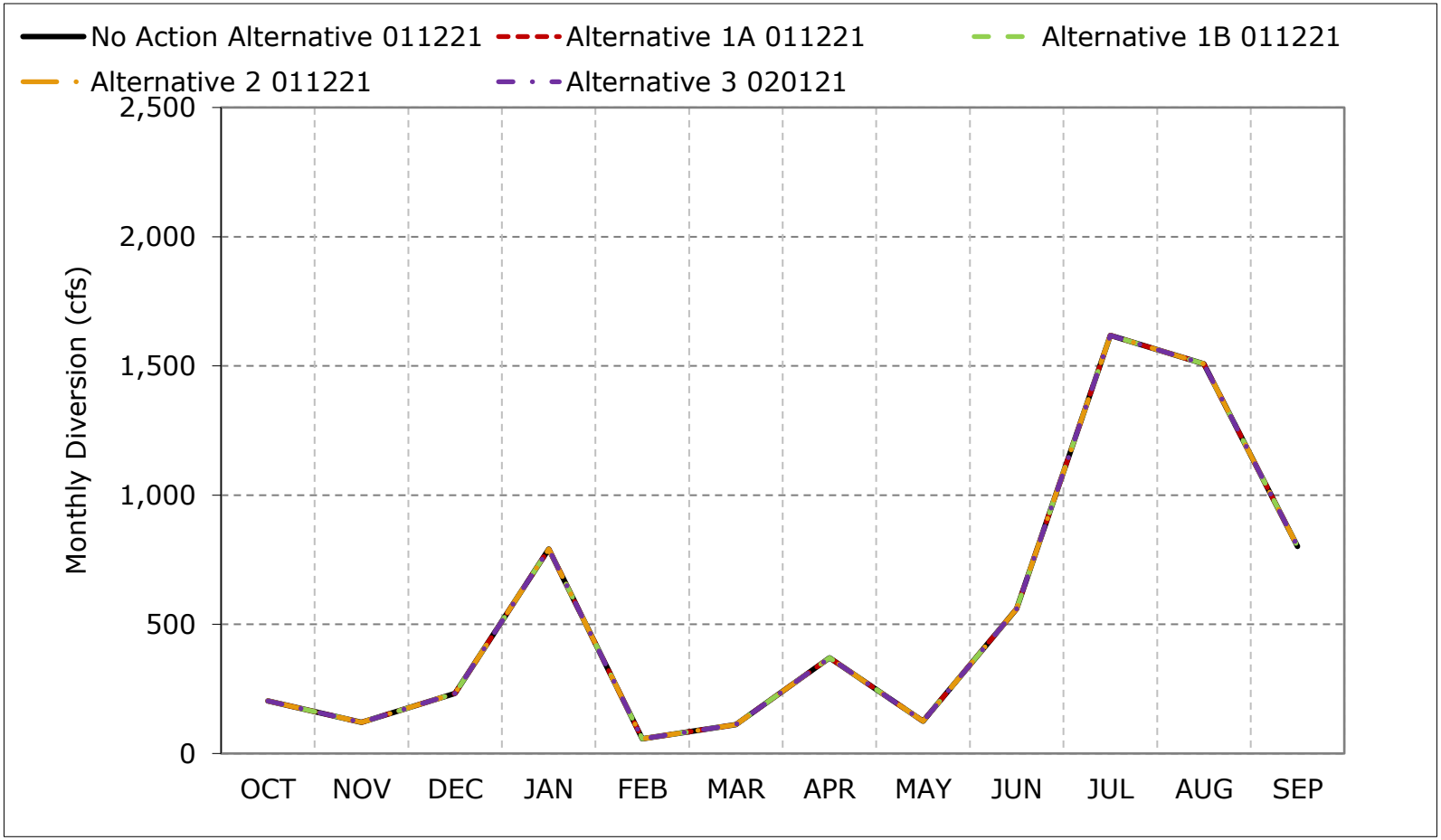
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-5-5. Trinity Import - Clear Creek Tunnel, 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 5B2-5-6. Trinity Import - Clear Creek Tunnel, 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 5B2-5-7. Trinity Import - Clear Creek Tunnel, October

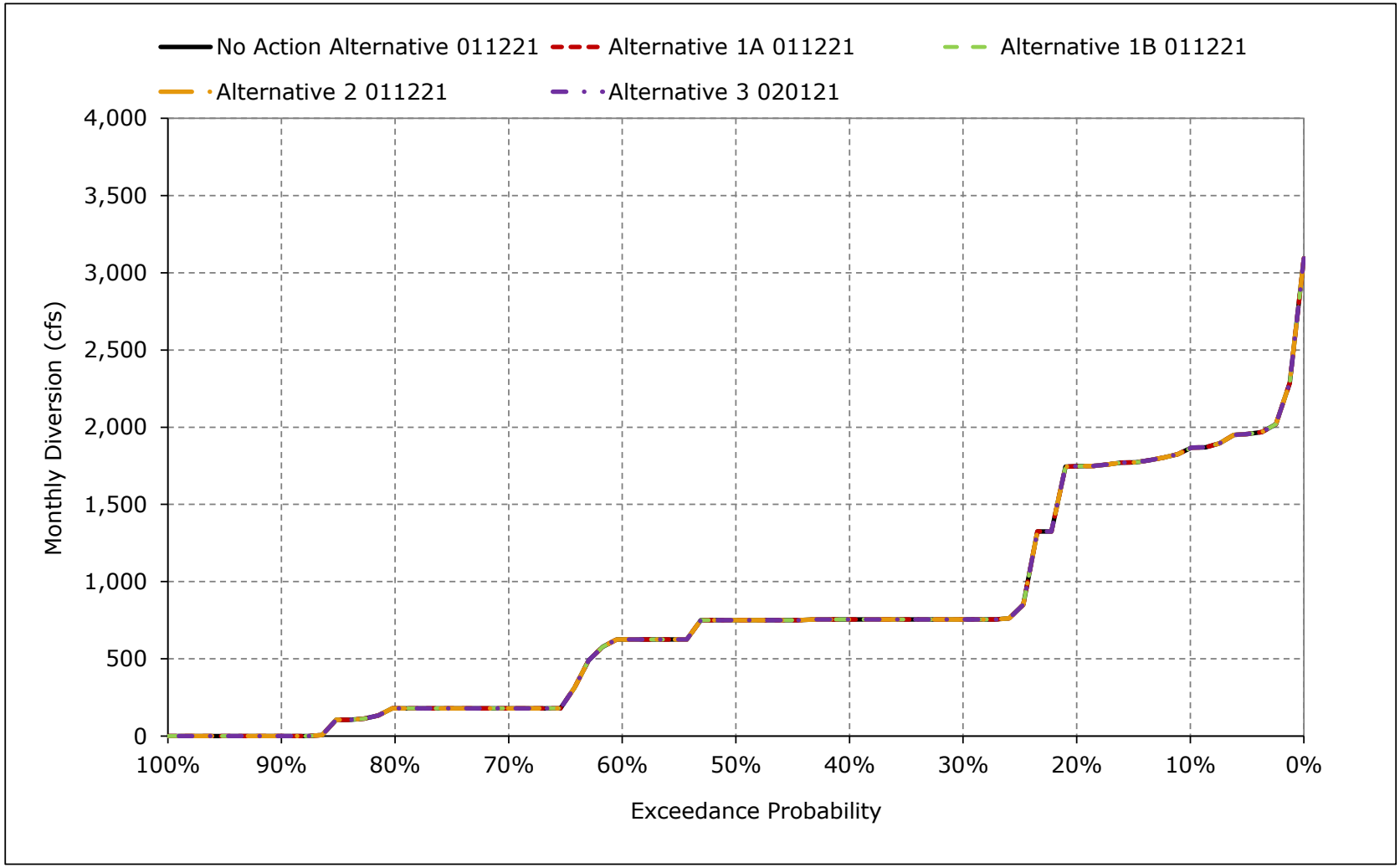


Figure 5B2-5-8. Trinity Import - Clear Creek Tunnel, November

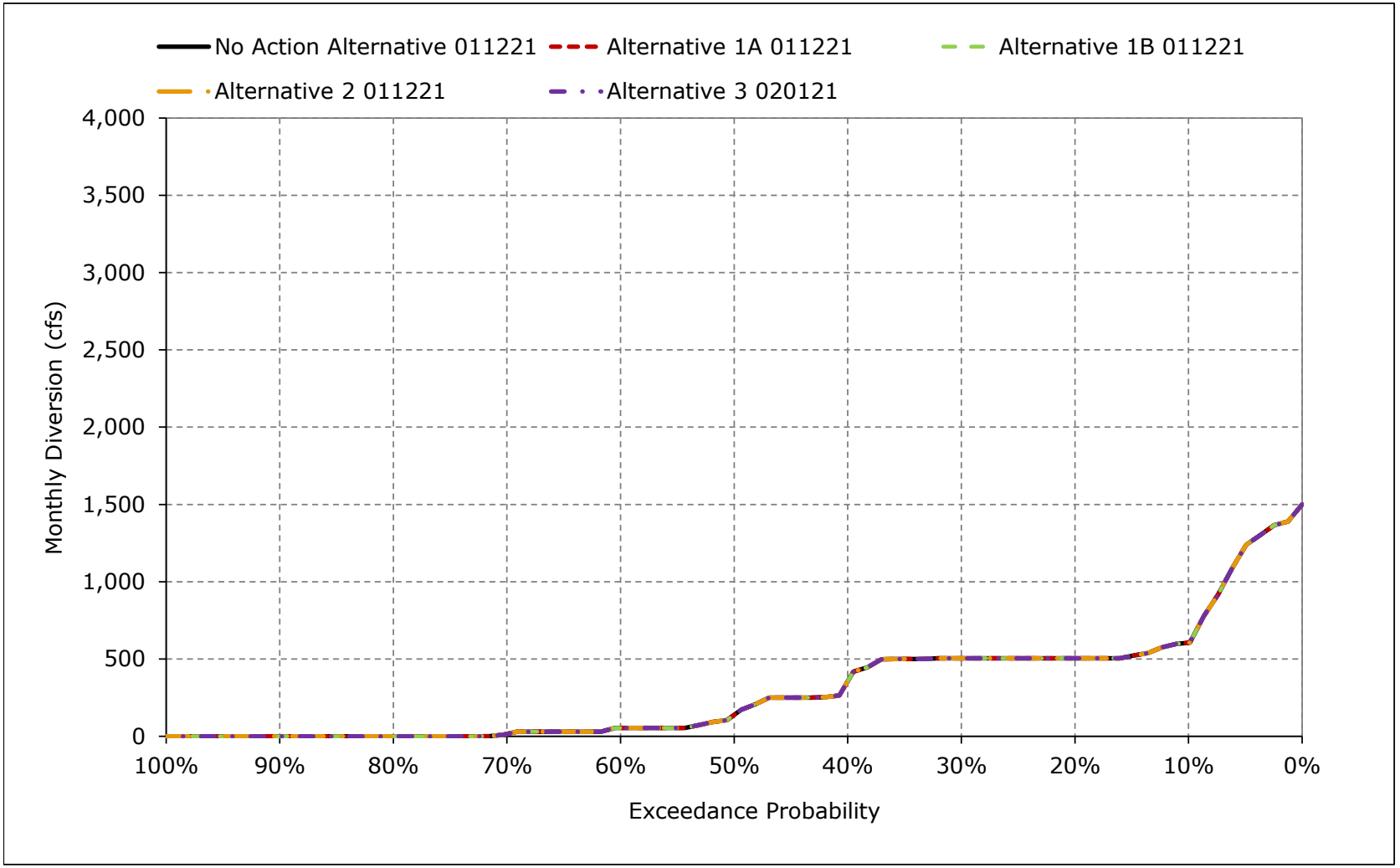


Figure 5B2-5-9. Trinity Import - Clear Creek Tunnel, December

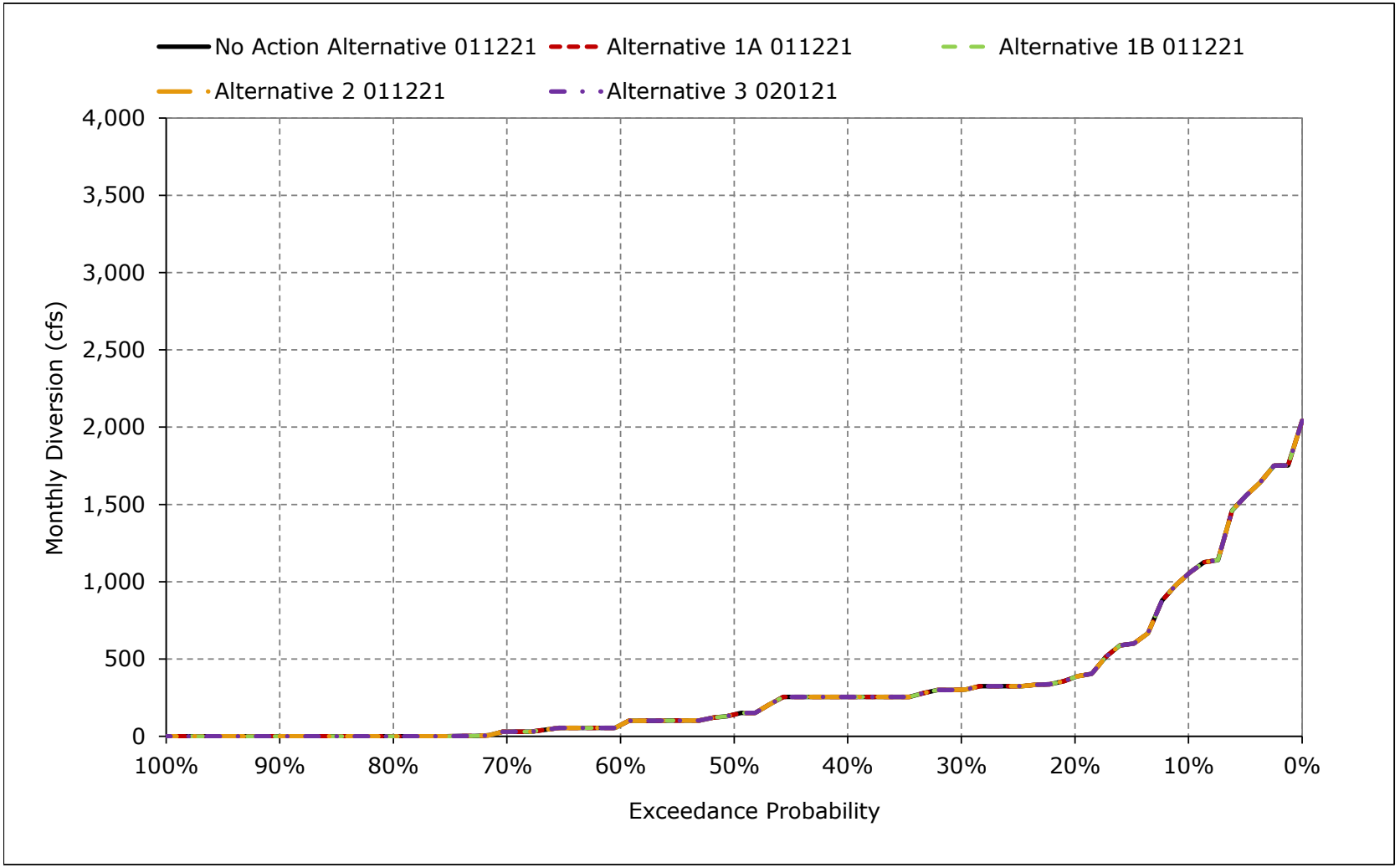


Figure 5B2-5-10. Trinity Import - Clear Creek Tunnel, January

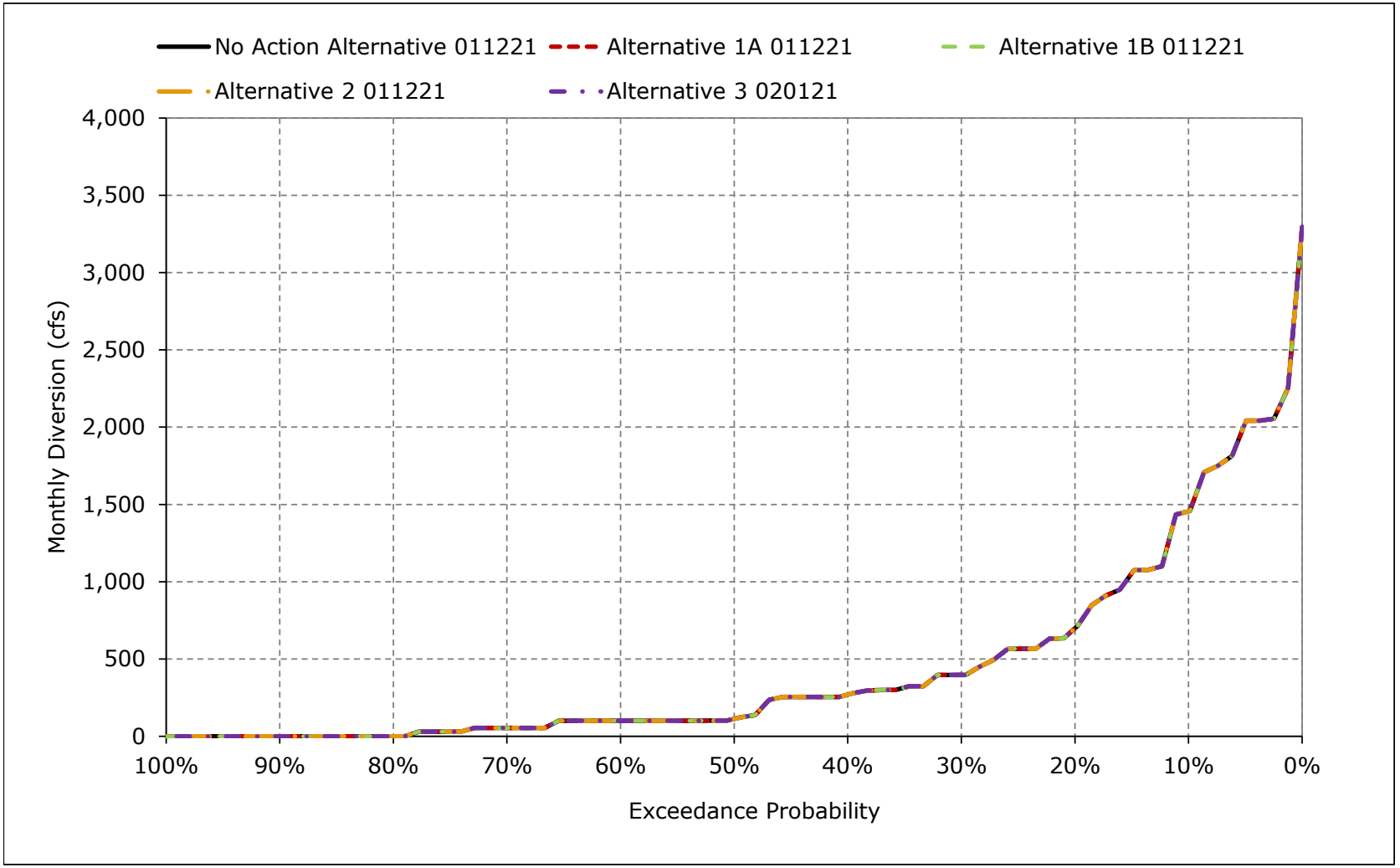


Figure 5B2-5-11. Trinity Import - Clear Creek Tunnel, February

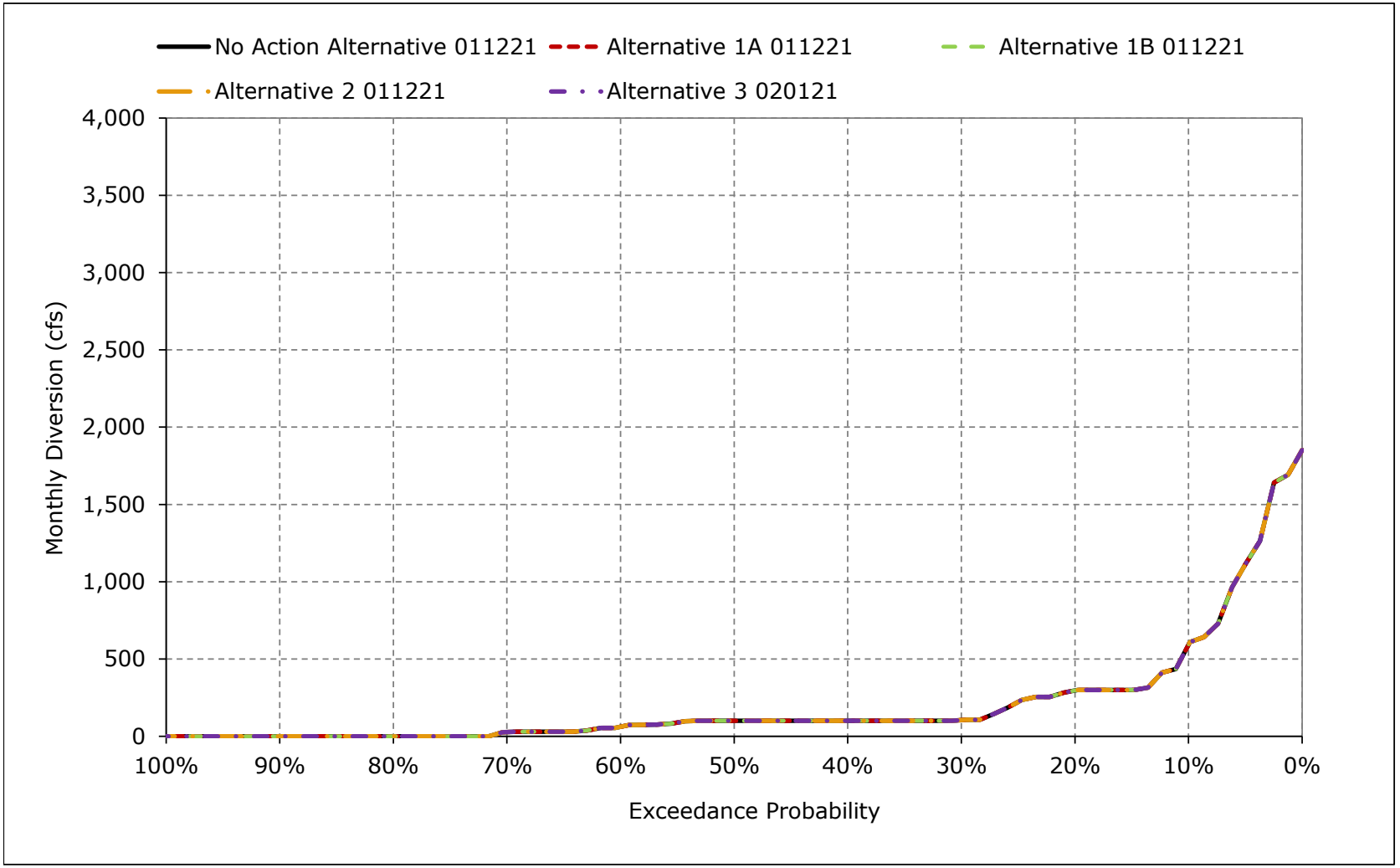


Figure 5B2-5-12. Trinity Import - Clear Creek Tunnel, March

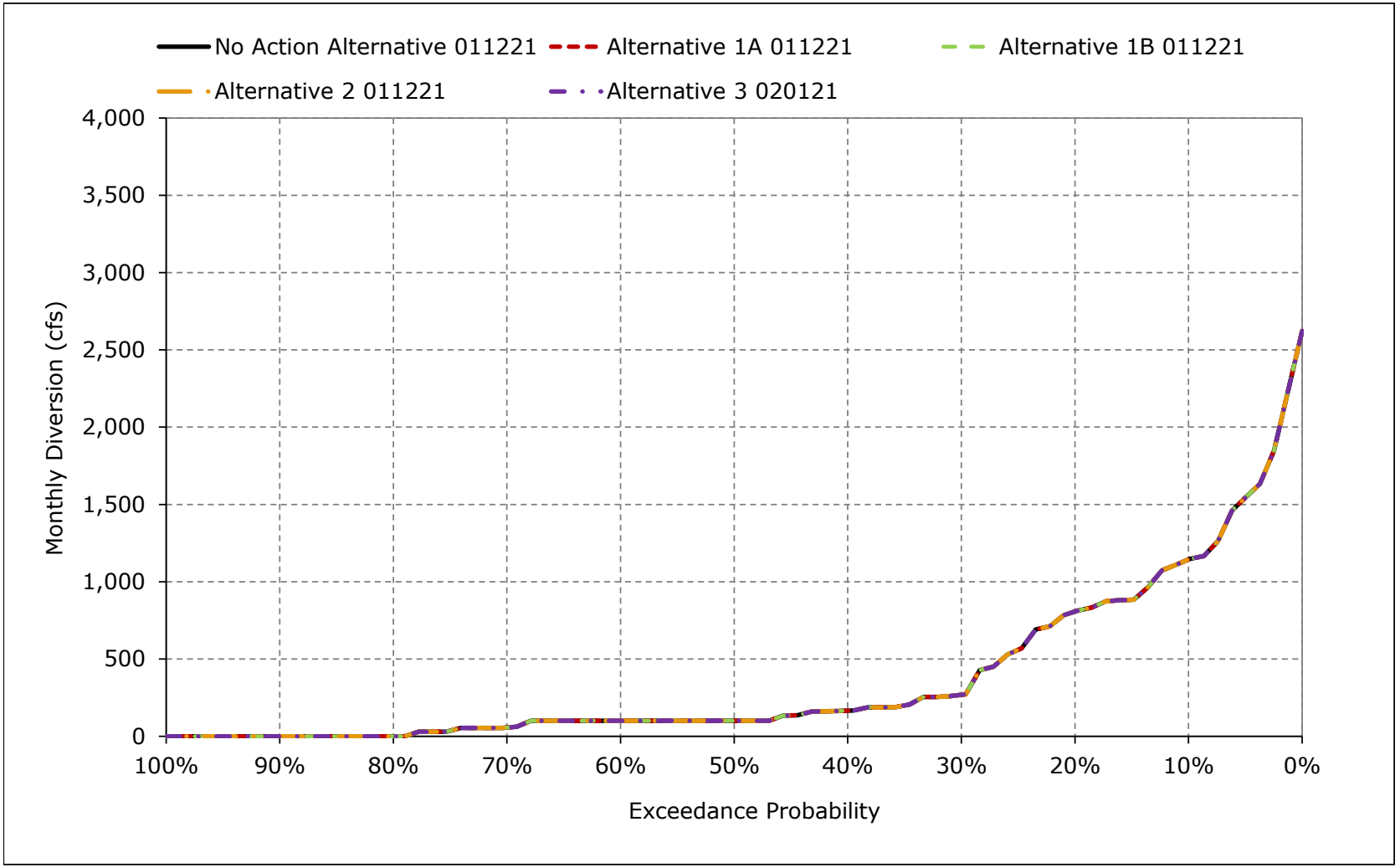


Figure 5B2-5-13. Trinity Import - Clear Creek Tunnel, April

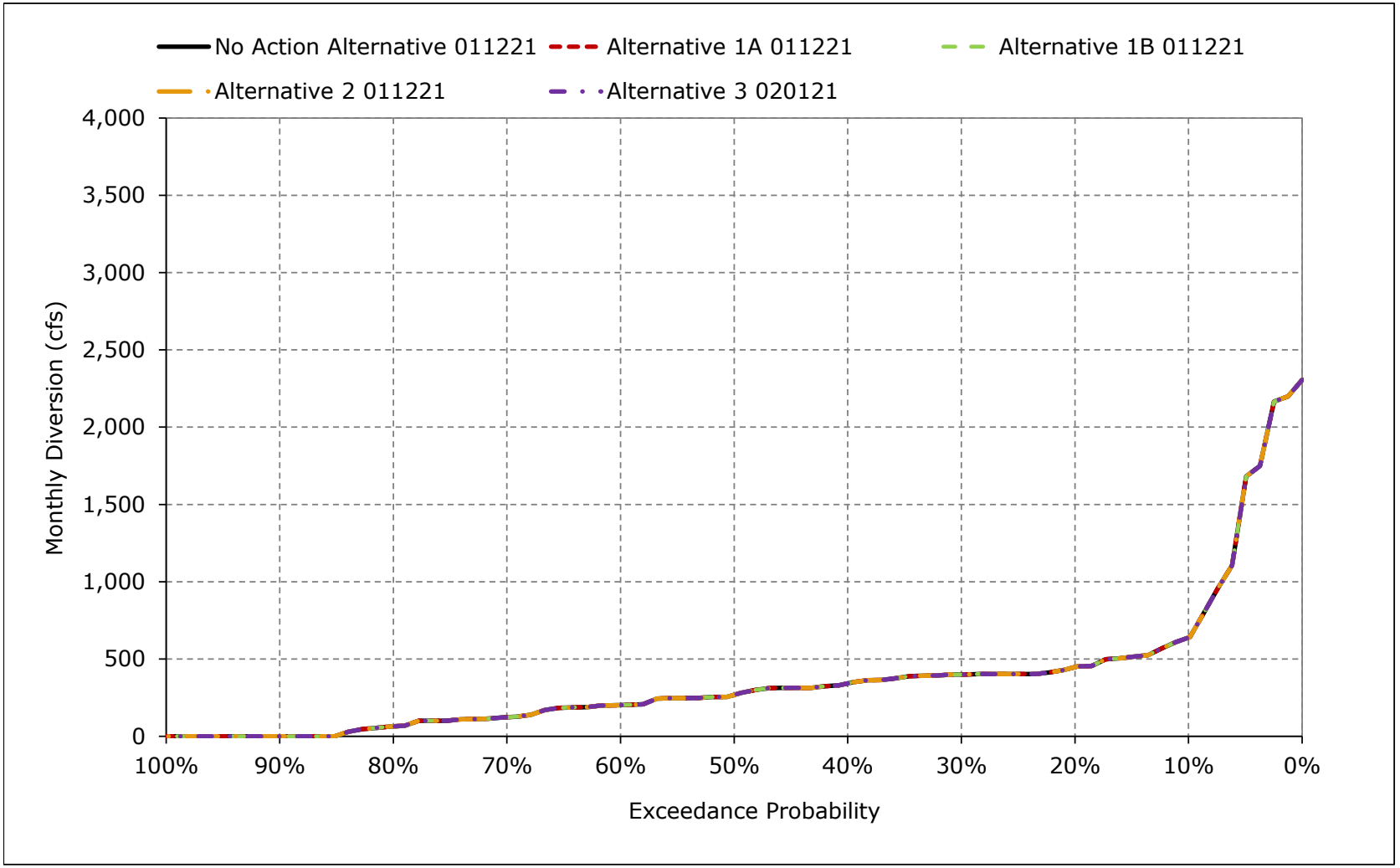


Figure 5B2-5-14. Trinity Import - Clear Creek Tunnel, May

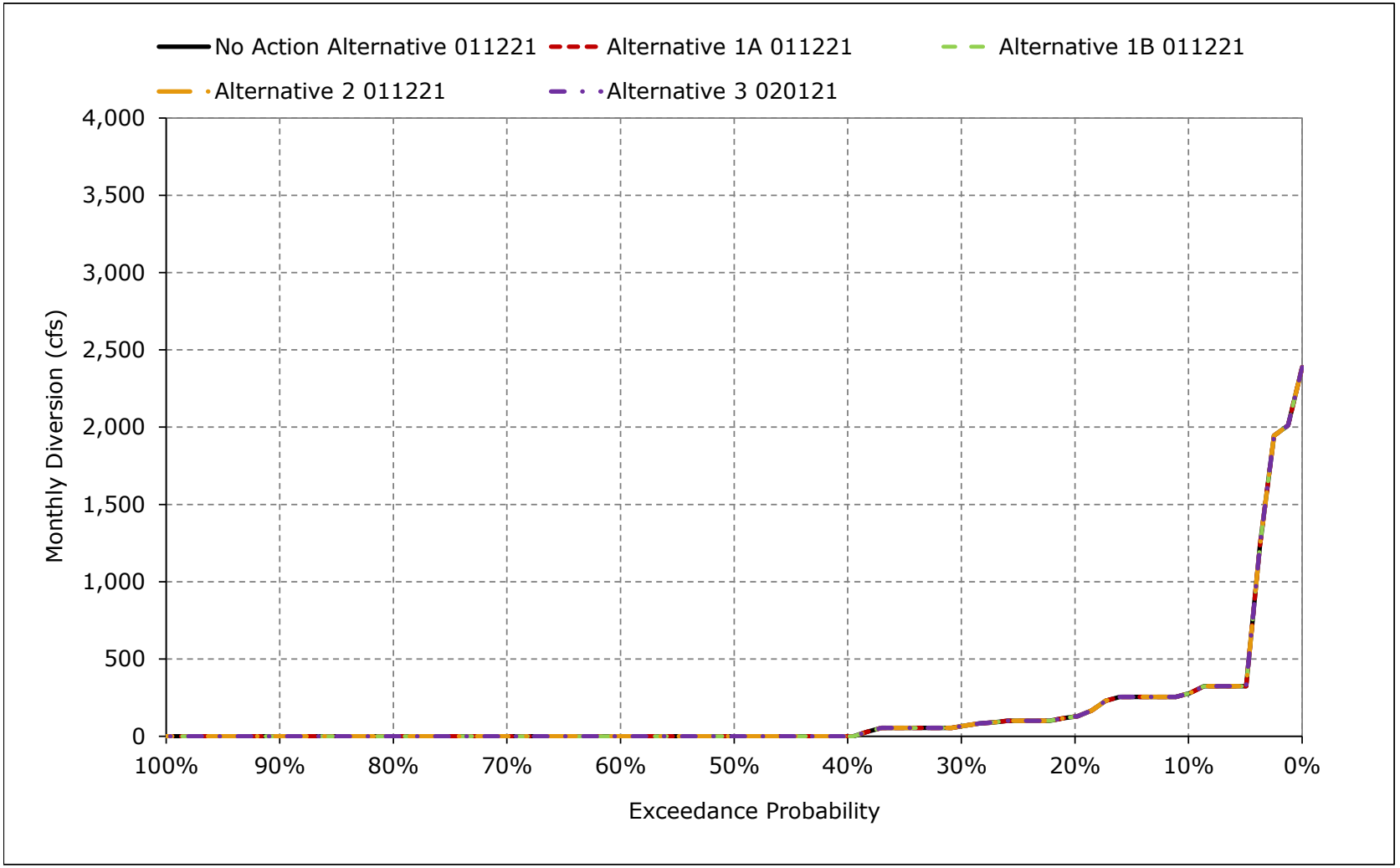


Figure 5B2-5-15. Trinity Import - Clear Creek Tunnel, June

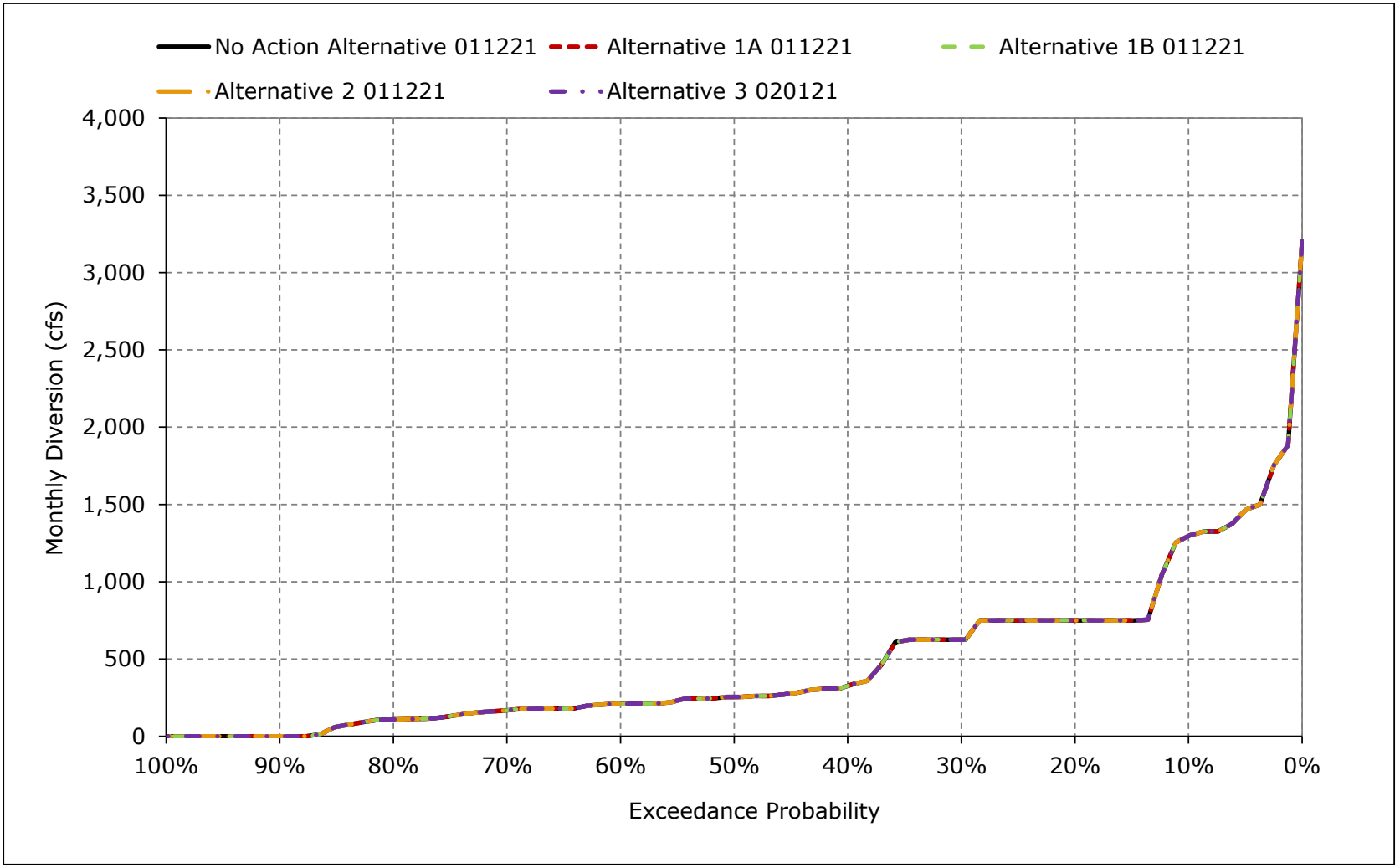


Figure 5B2-5-16. Trinity Import - Clear Creek Tunnel, July

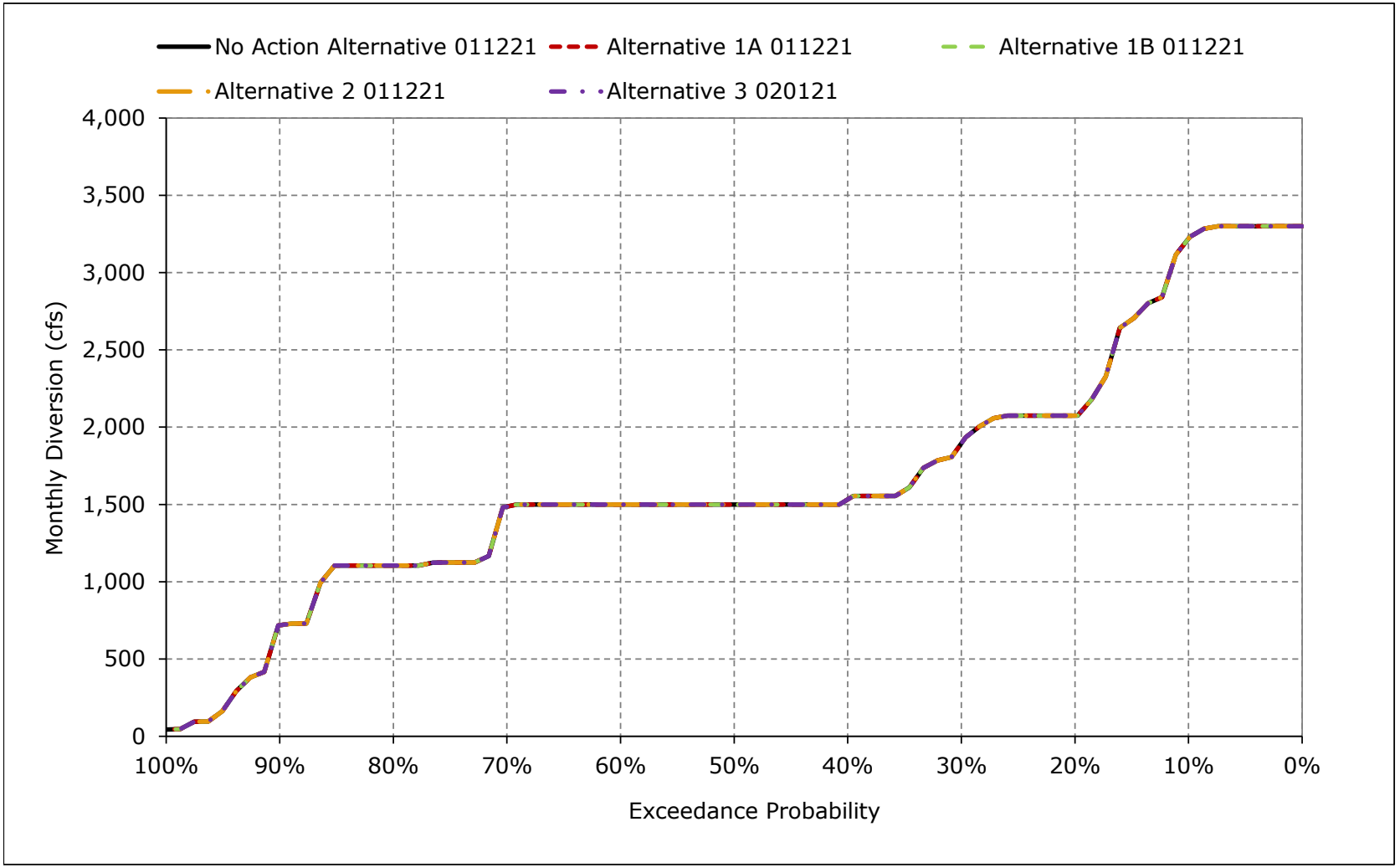


Figure 5B2-5-17. Trinity Import - Clear Creek Tunnel, August

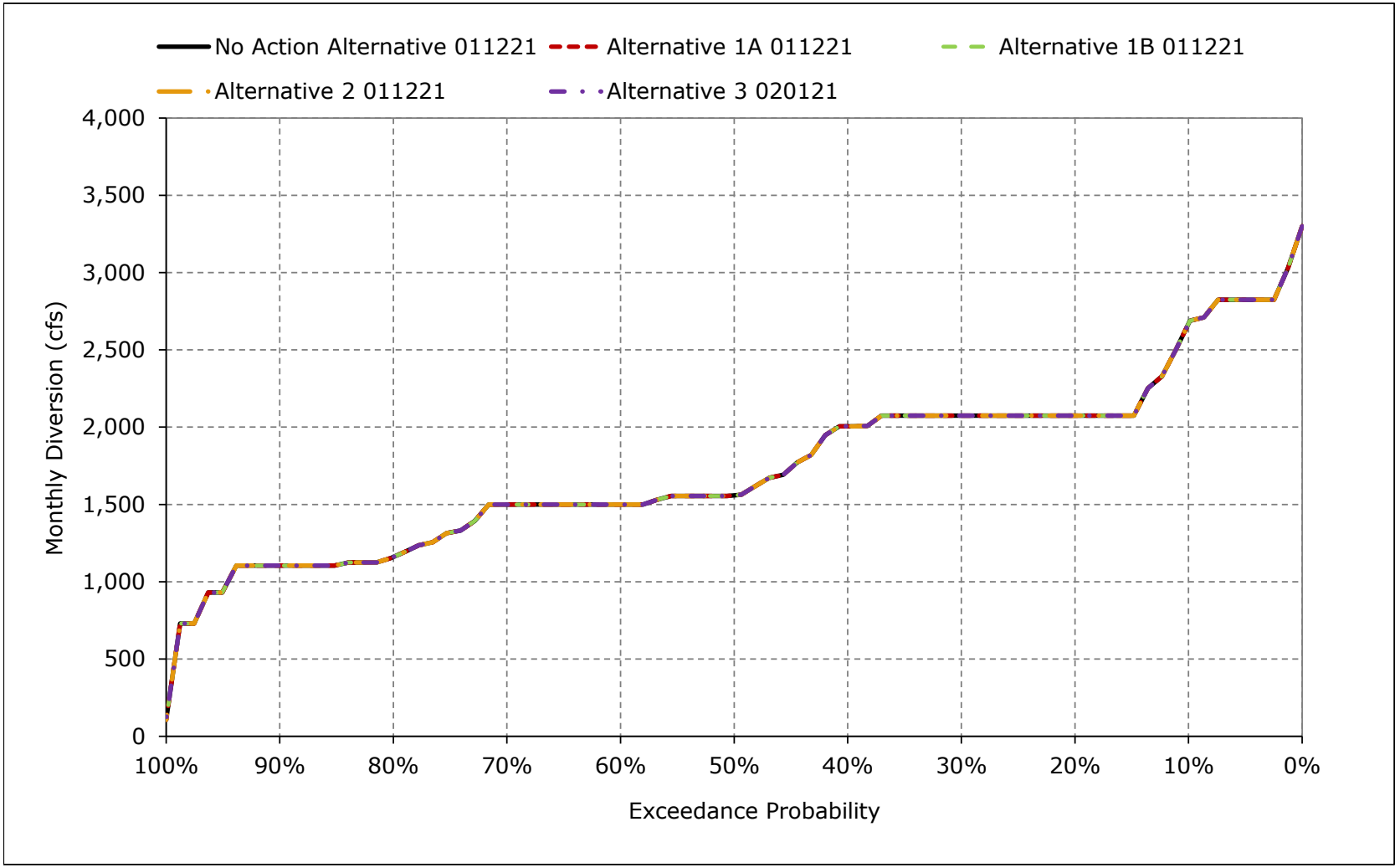


Figure 5B2-5-18. Trinity Import - Clear Creek Tunnel, September

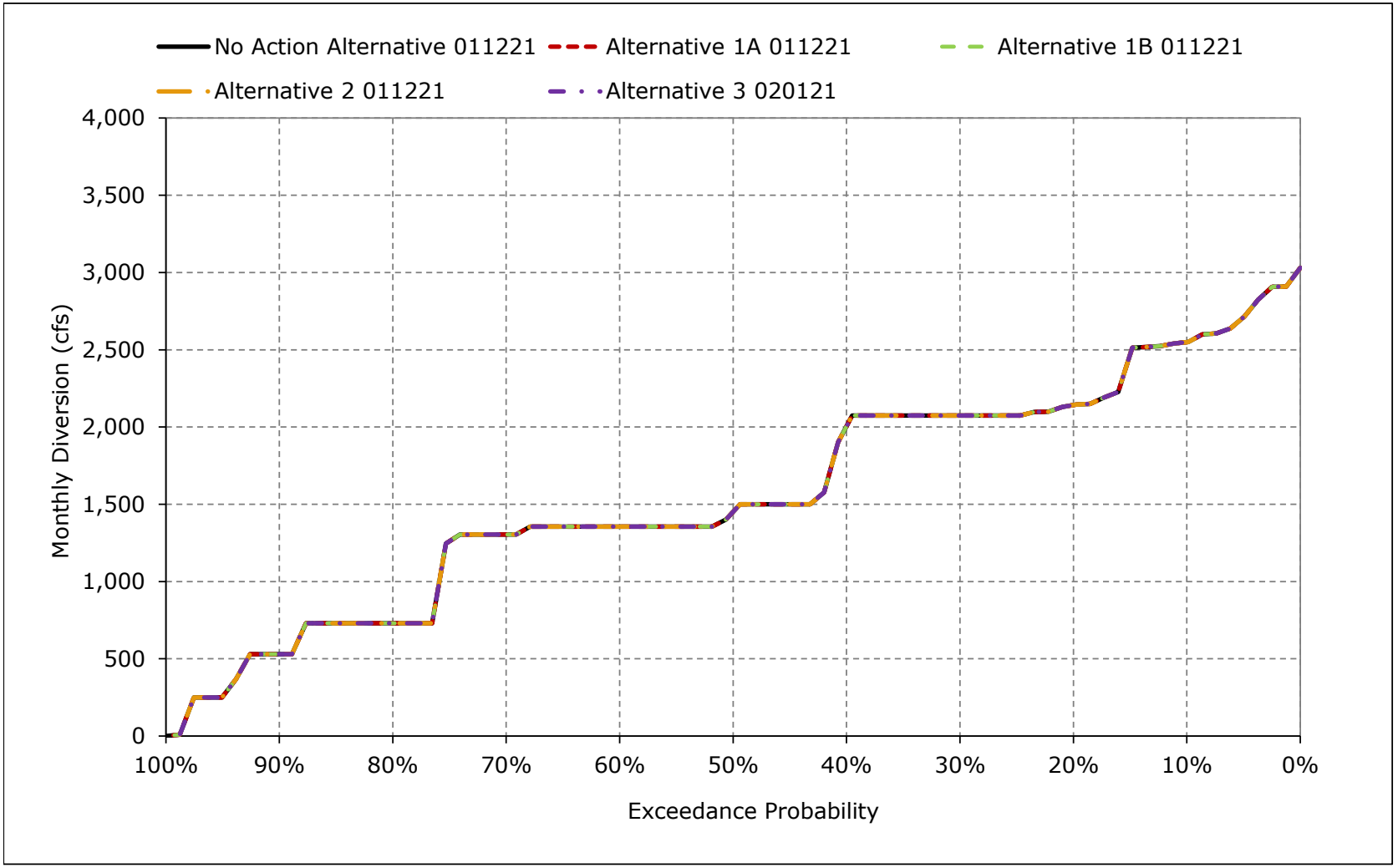


Table 5B2-6-1a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-1b. Clear Creek below Whiskeytown Dam Flow, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-1c. Clear Creek below Whiskeytown Dam Flow, 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%	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

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 5B2-6-2a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-2b. Clear Creek below Whiskeytown Dam Flow, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-2c. Clear Creek below Whiskeytown Dam Flow, 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%	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

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 5B2-6-3a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-3b. Clear Creek below Whiskeytown Dam Flow, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-3c. Clear Creek below Whiskeytown Dam Flow, 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%	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

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 5B2-6-4a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-4b. Clear Creek below Whiskeytown Dam Flow, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	200	200	200	200	380	200	200	200	318	150	150	150
20%	200	200	200	200	380	200	200	200	318	150	150	150
30%	200	200	200	200	380	200	200	200	318	150	150	150
40%	200	200	200	200	380	200	200	200	318	150	150	150
50%	200	200	200	200	374	200	200	200	318	150	150	150
60%	200	200	200	200	374	200	200	200	318	150	150	150
70%	200	200	200	200	200	200	200	200	318	150	150	150
80%	200	200	200	200	200	200	200	200	318	150	150	150
90%	150	150	150	150	150	150	150	150	225	150	150	150
Long Term												
Full Simulation Period[a]	193	193	193	193	317	195	193	193	304	150	150	150
Water Year Types[b,c]												
Wet (32%)	200	200	200	198	414	207	200	200	318	150	150	150
Above Normal (15%)	200	200	200	192	378	200	200	200	318	150	150	150
Below Normal (17%)	200	200	200	196	378	200	200	200	318	150	150	150
Dry (22%)	200	200	200	189	200	200	200	200	318	150	150	150
Critical (15%)	150	150	150	183	150	150	150	150	225	150	150	150

Table 5B2-6-4c. Clear Creek below Whiskeytown Dam Flow, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

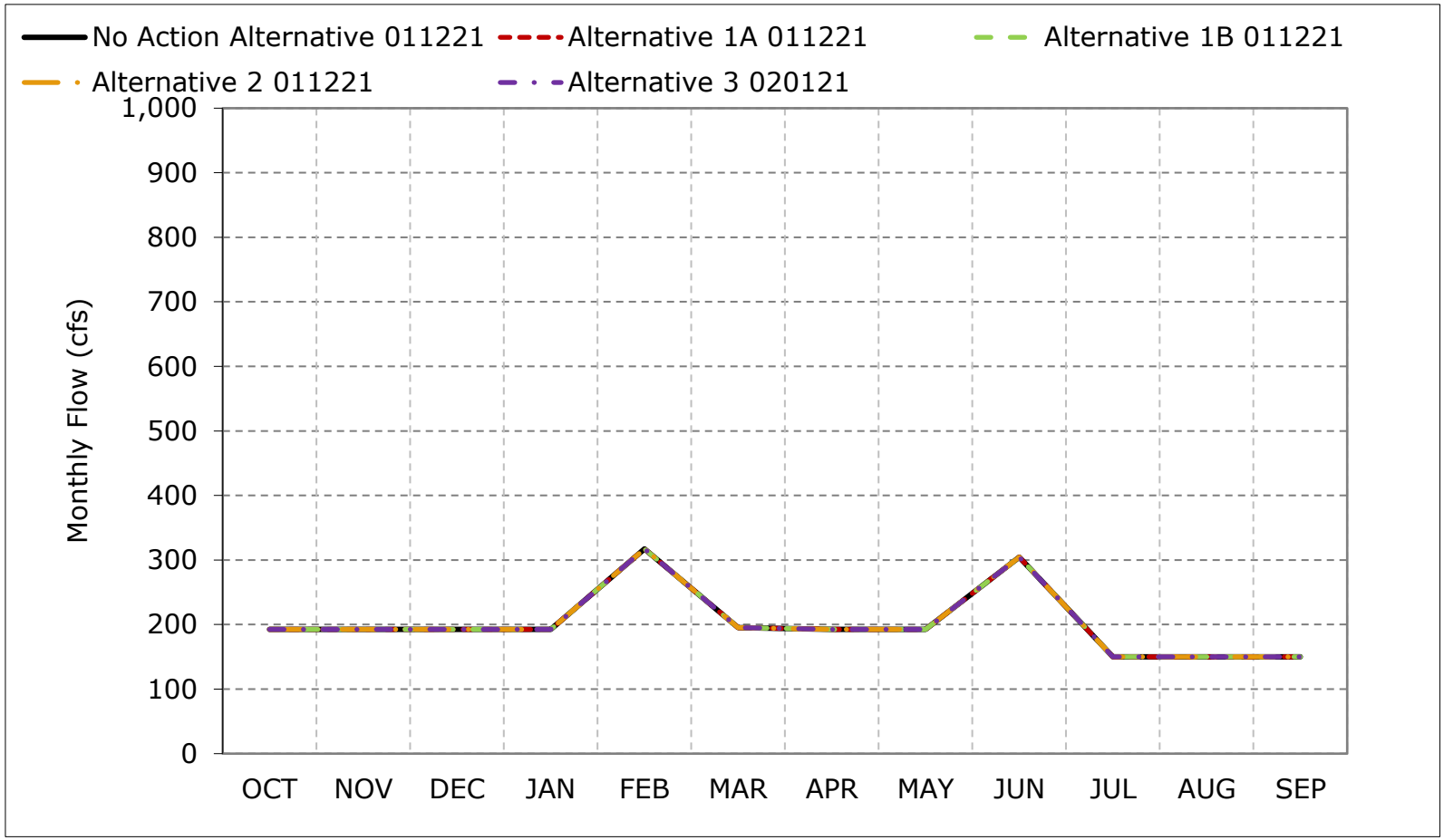
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	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

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).

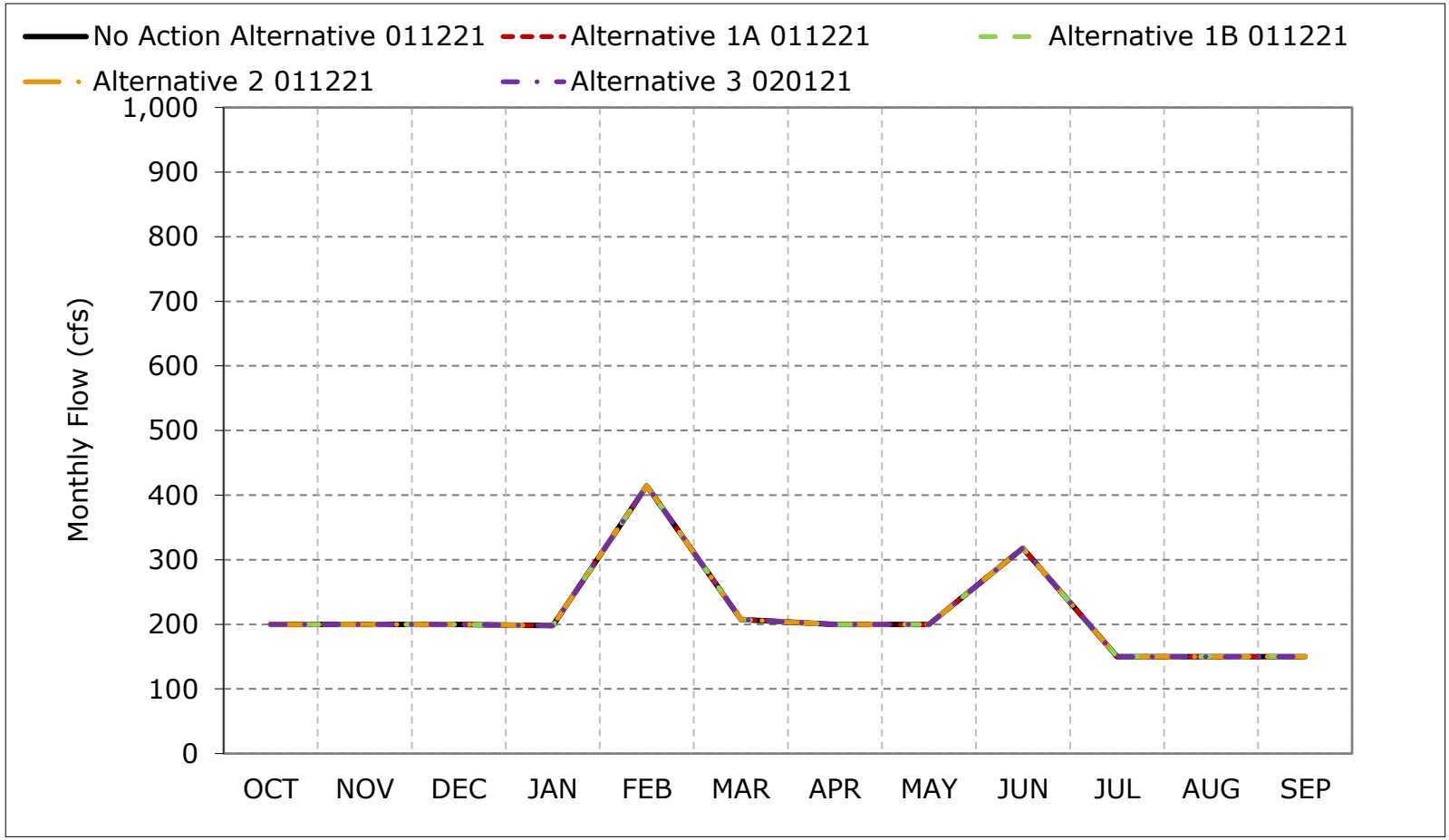
c These results are displayed with calendar year - year type sorting.

Figure 5B2-6-1. Clear Creek below Whiskeytown Dam Flow, Long-Term Average Flow



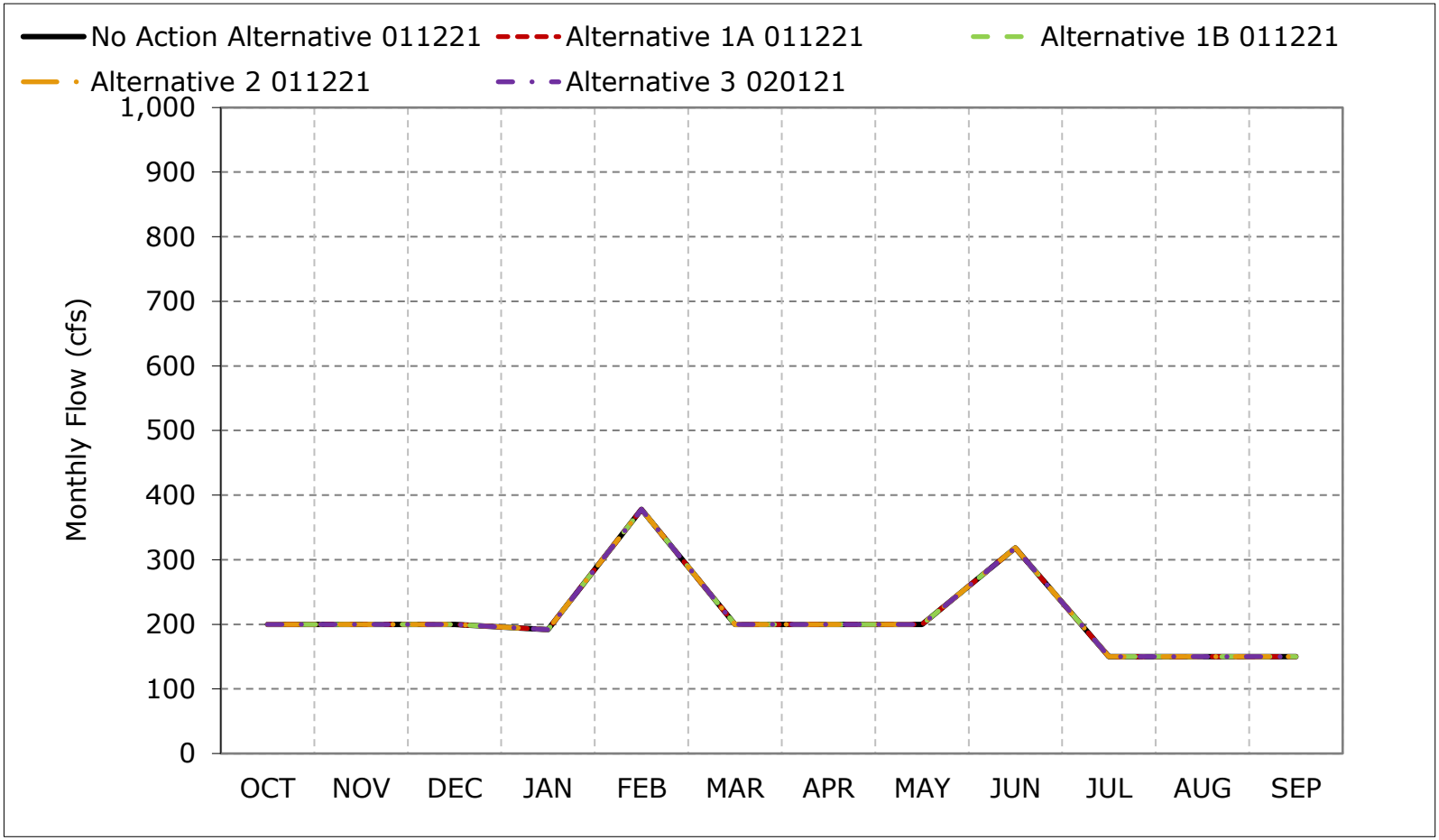
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-6-2. Clear Creek below Whiskeytown Dam Flow, Wet Year Average Flow



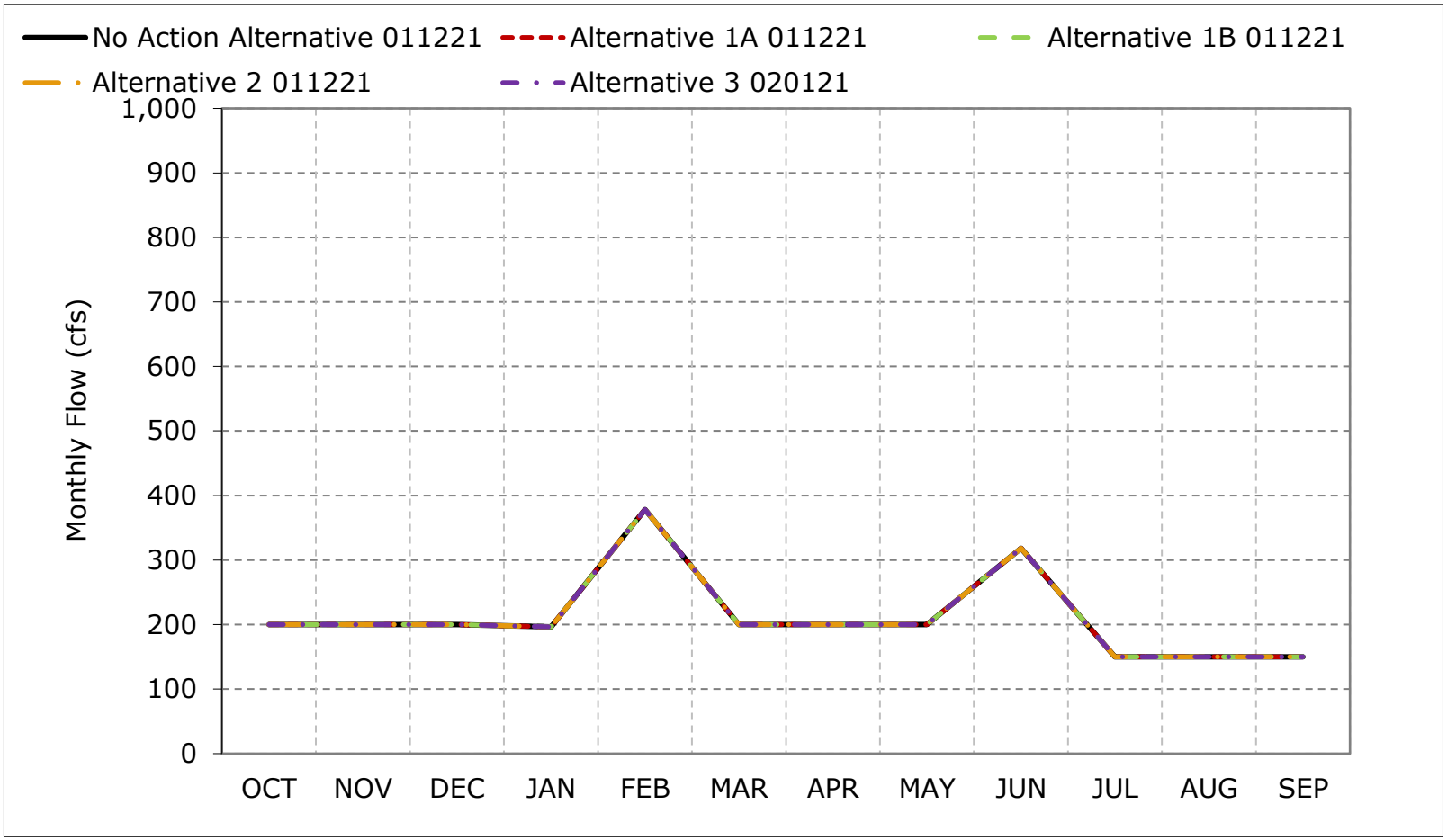
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-6-3. Clear Creek below Whiskeytown Dam Flow, Above Normal Year Average Flow



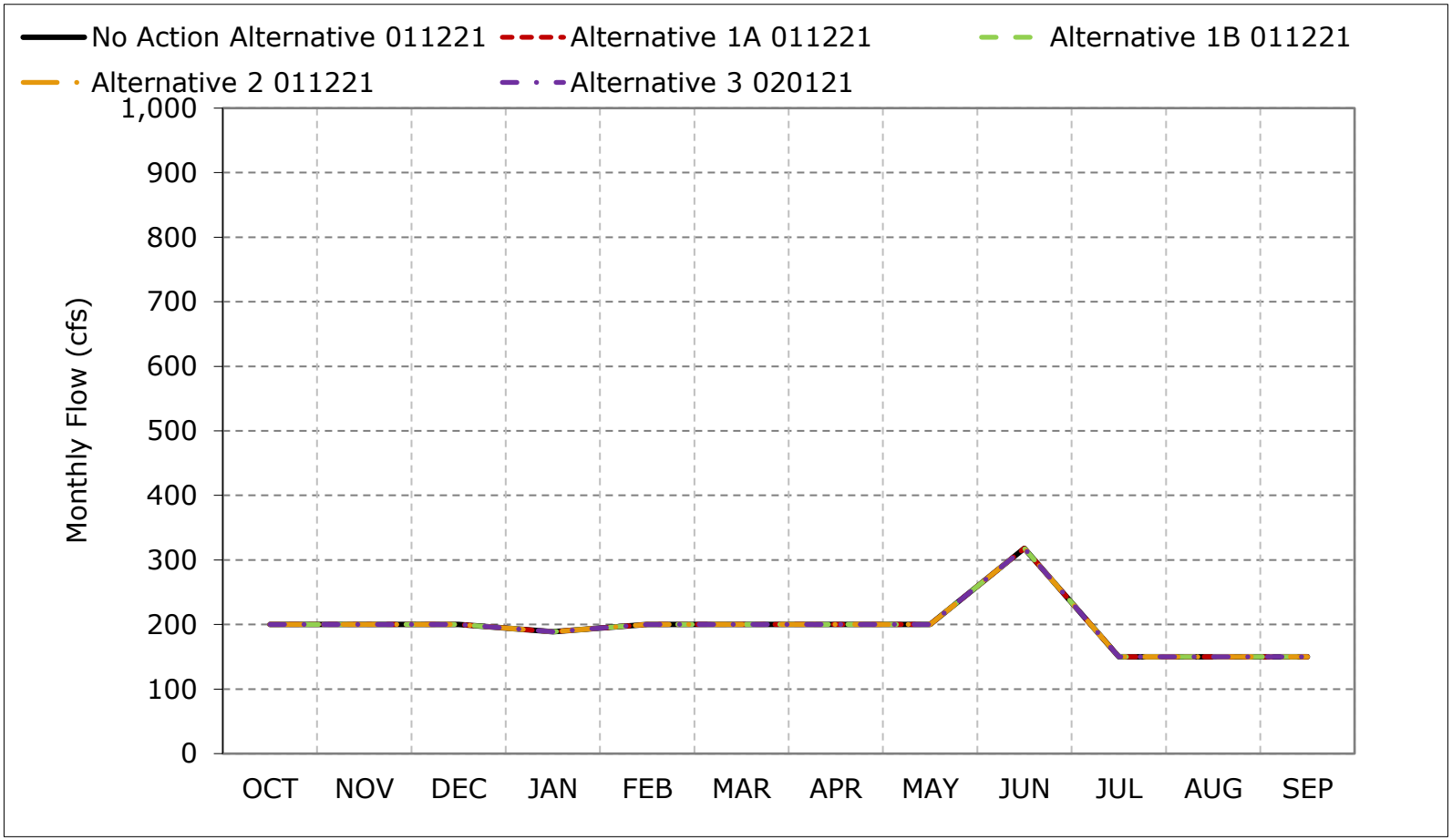
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-6-4. Clear Creek below Whiskeytown Dam Flow, Below Normal Year Average Flow



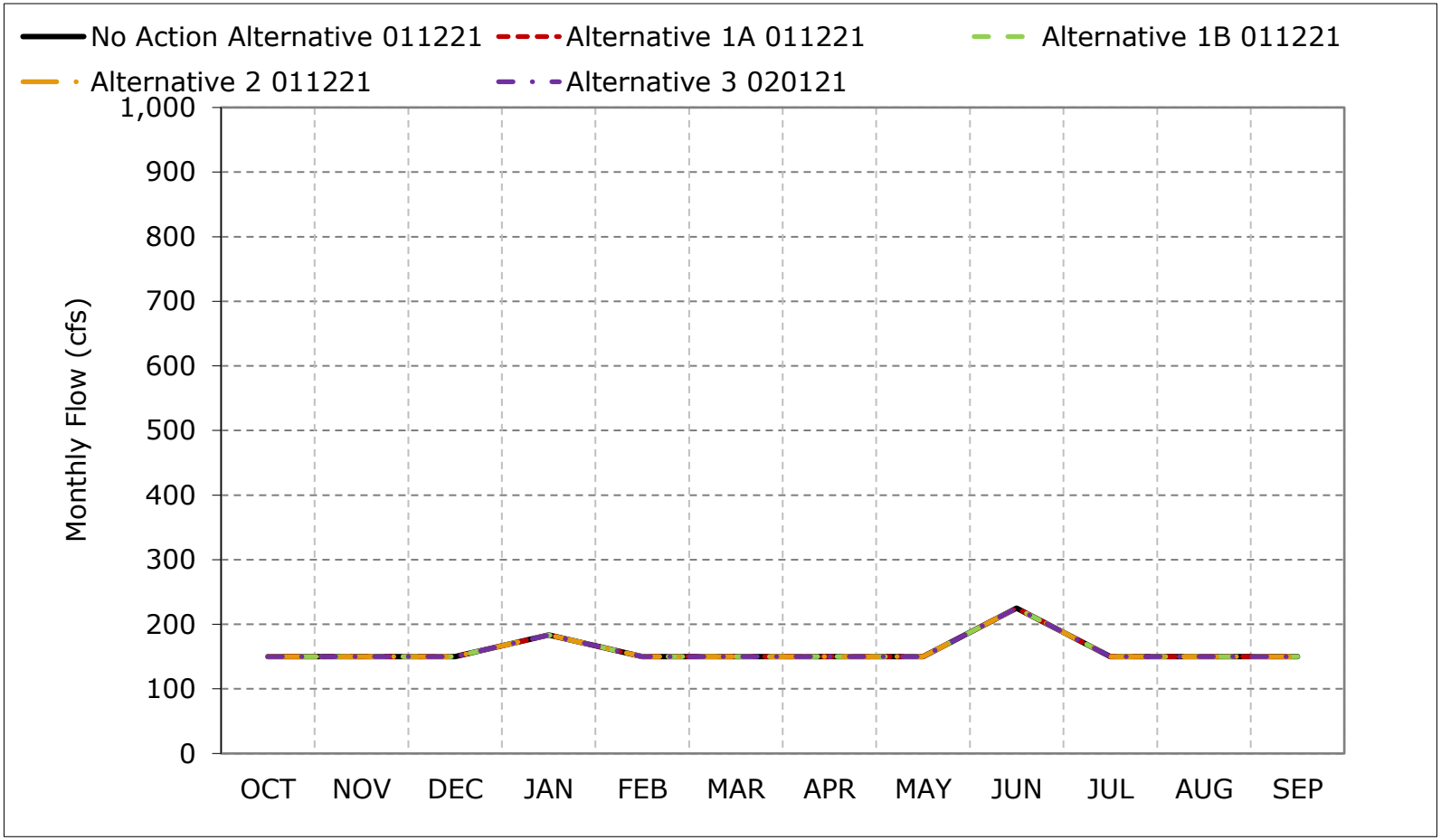
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-6-5. Clear Creek below Whiskeytown Dam Flow, 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 5B2-6-6. Clear Creek below Whiskeytown Dam Flow, 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 5B2-6-7. Clear Creek below Whiskeytown Dam Flow, October

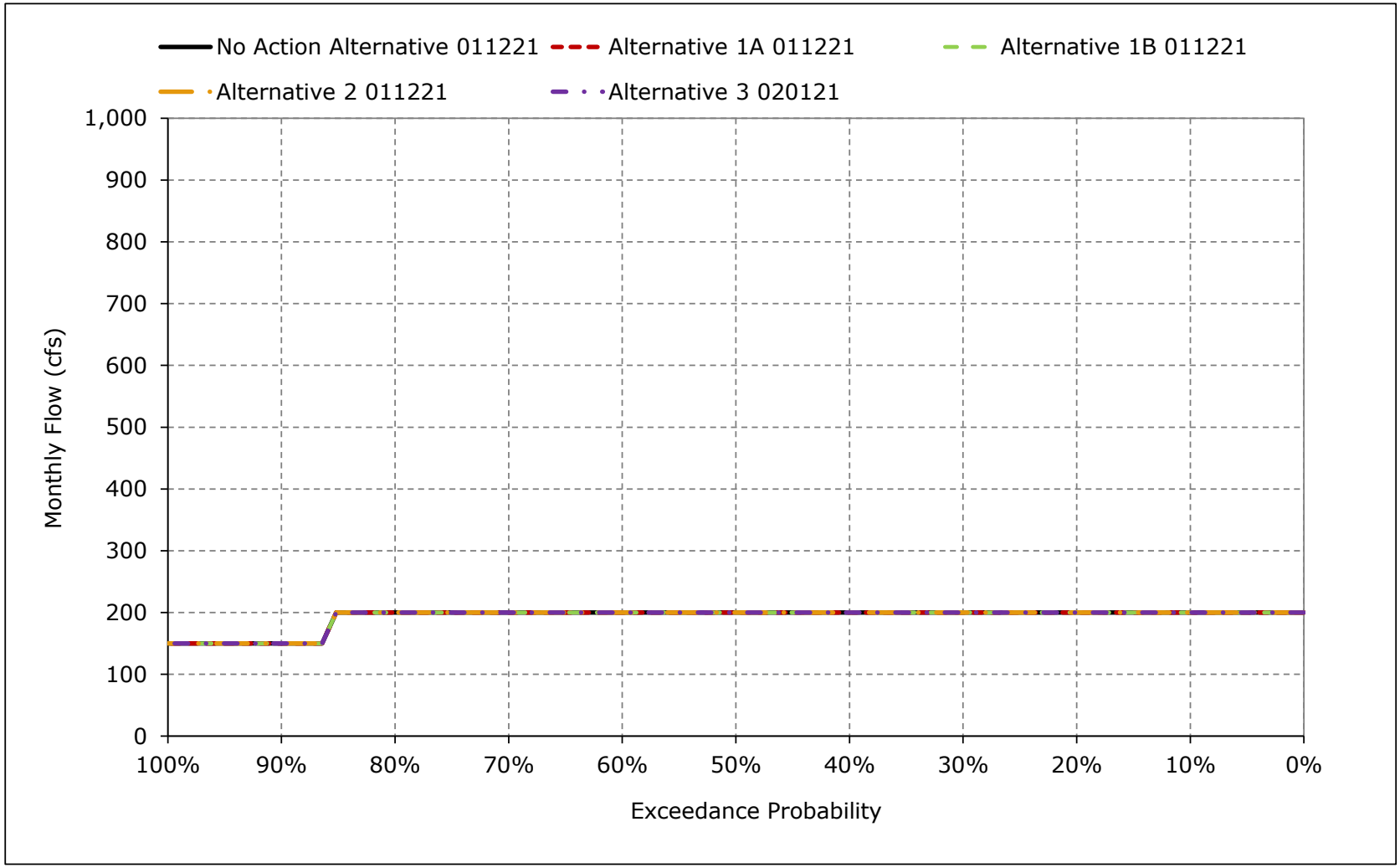


Figure 5B2-6-8. Clear Creek below Whiskeytown Dam Flow, November

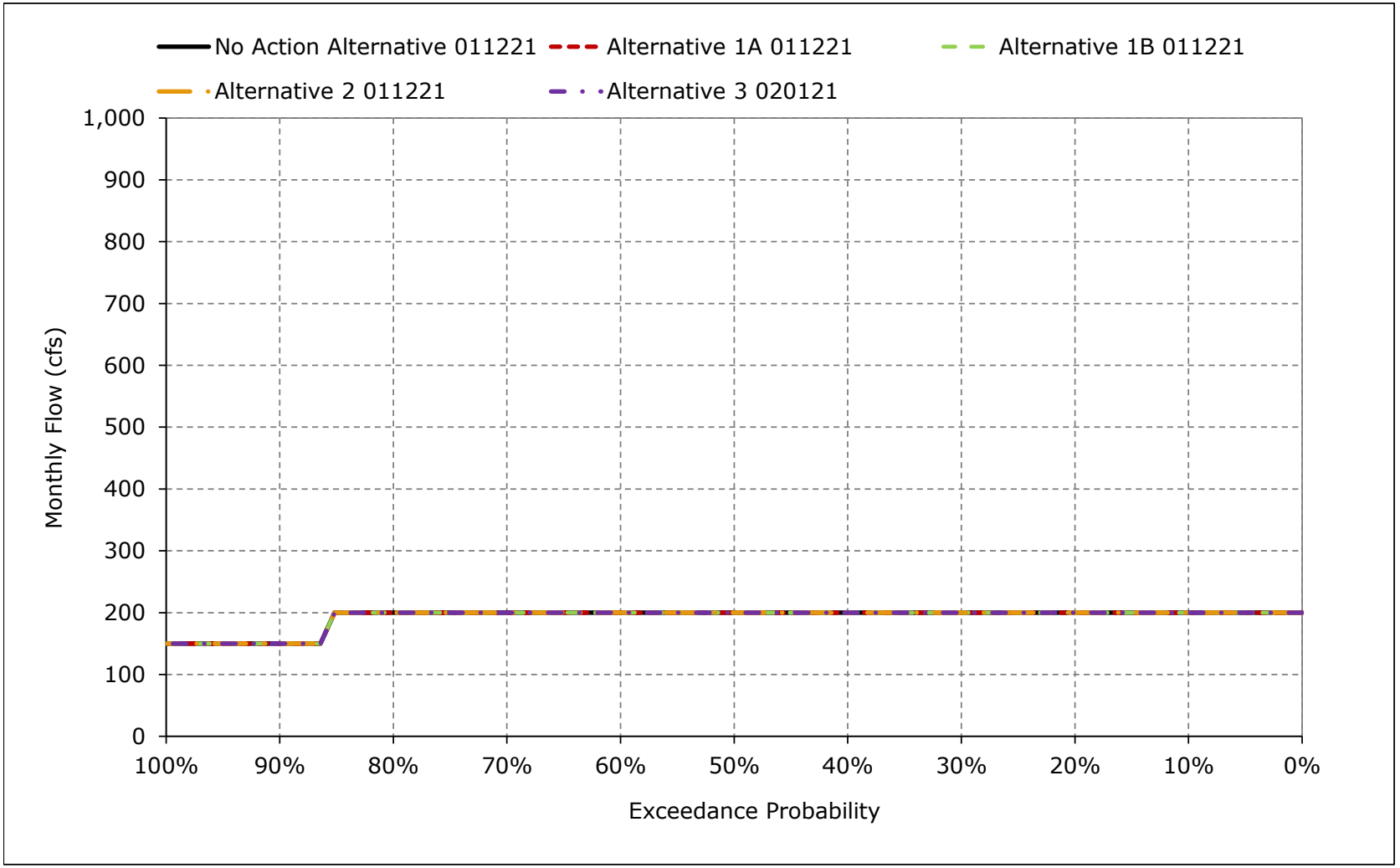


Figure 5B2-6-9. Clear Creek below Whiskeytown Dam Flow, December

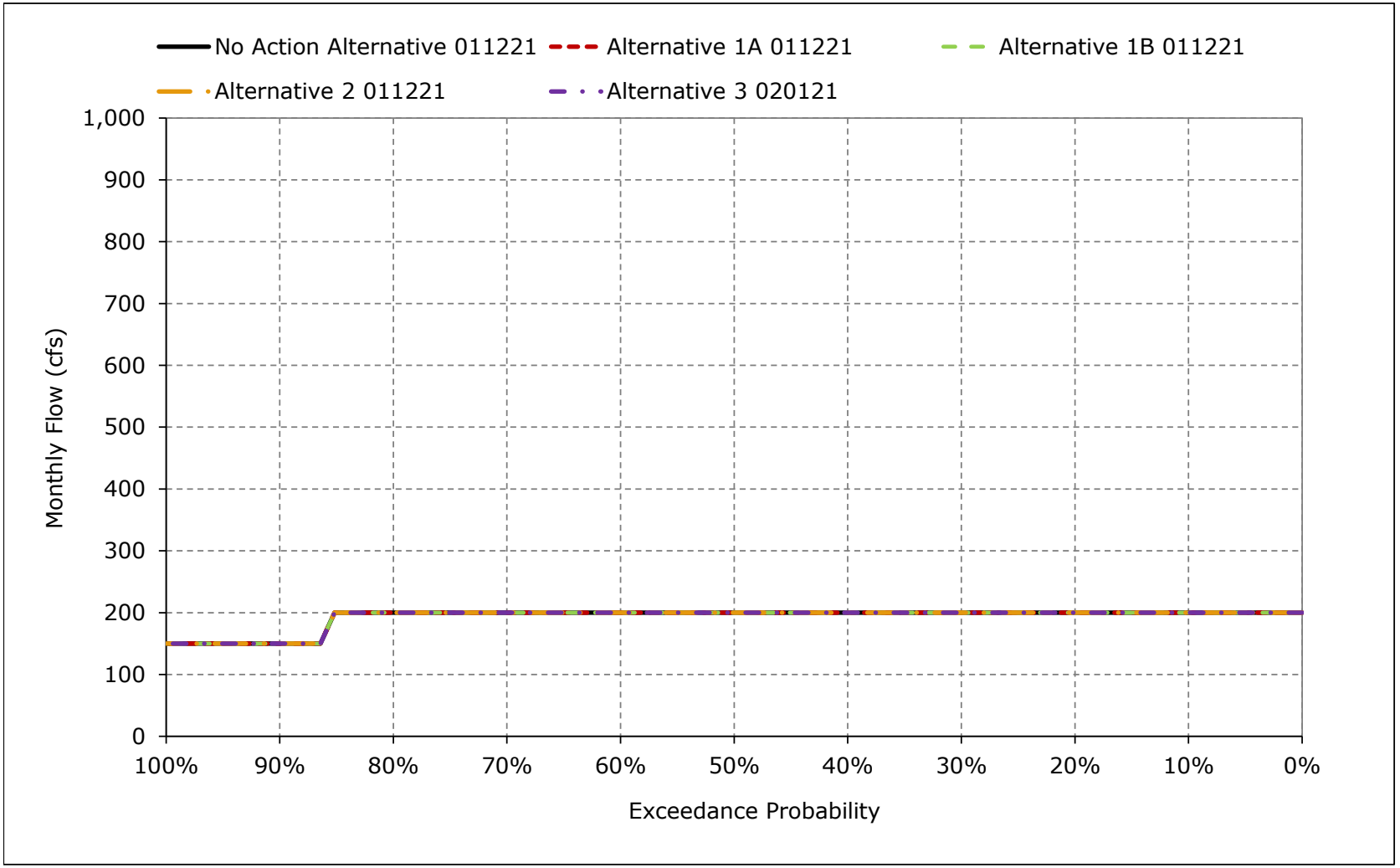


Figure 5B2-6-10. Clear Creek below Whiskeytown Dam Flow, January

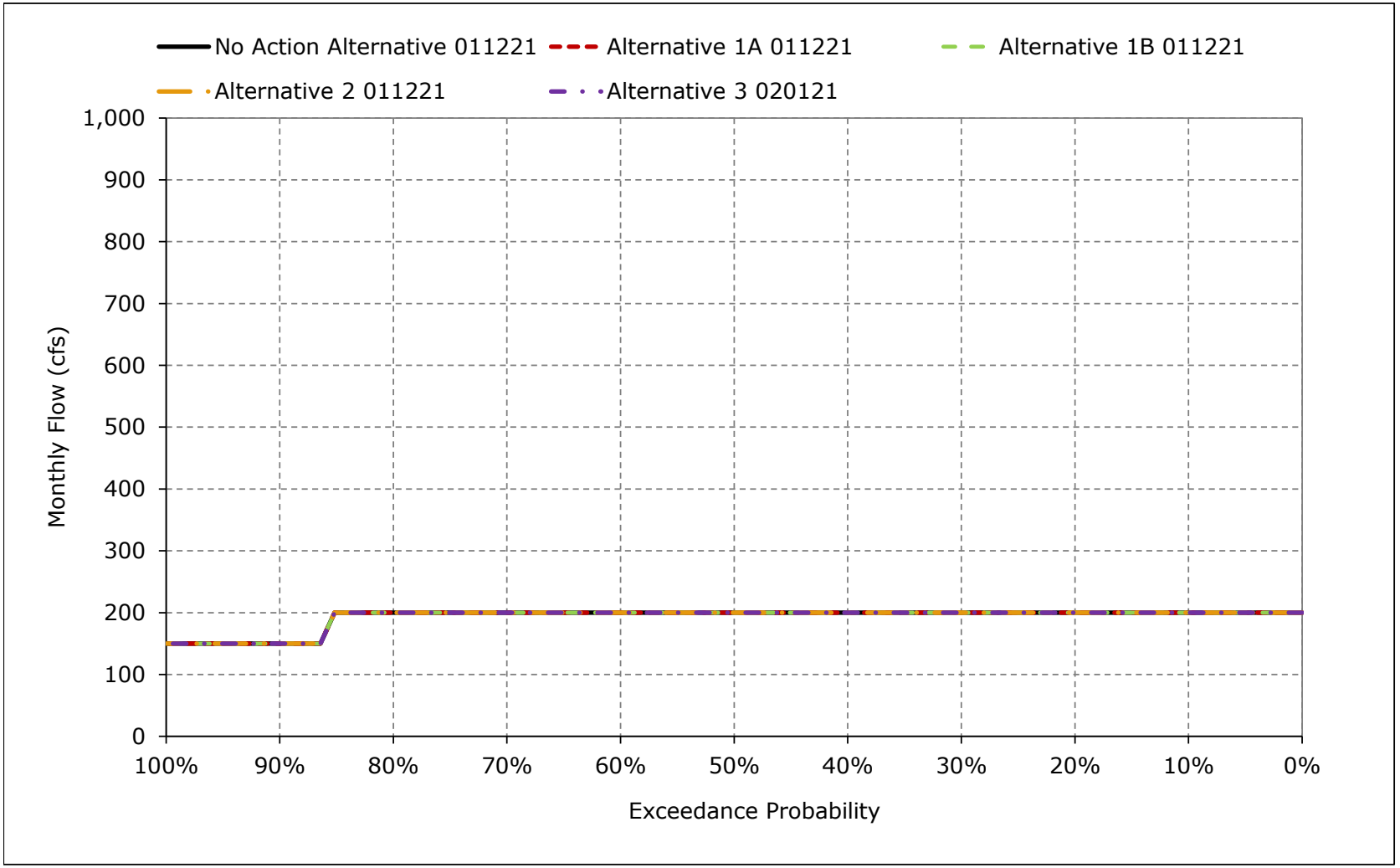


Figure 5B2-6-11. Clear Creek below Whiskeytown Dam Flow, February

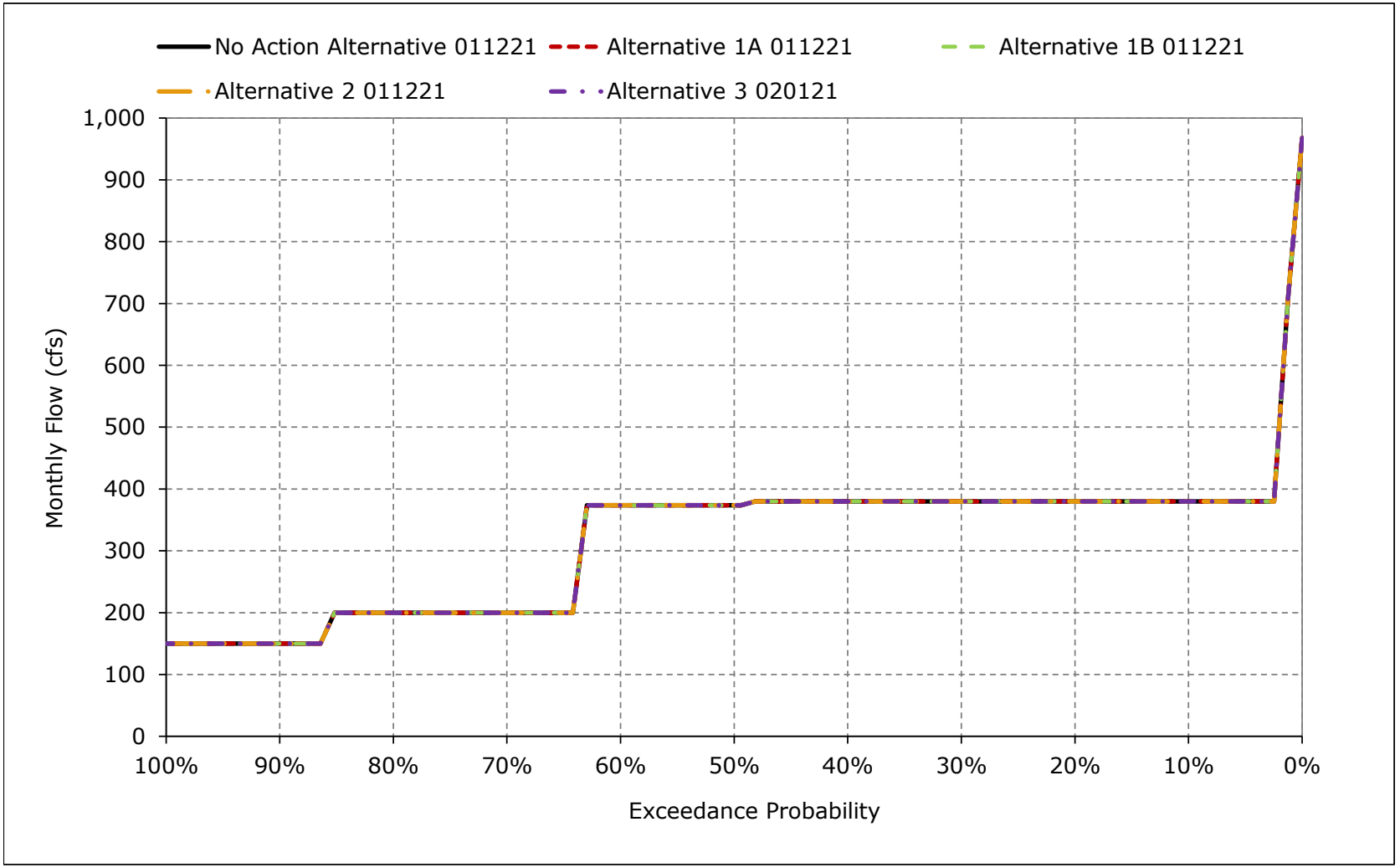


Figure 5B2-6-12. Clear Creek below Whiskeytown Dam Flow, March

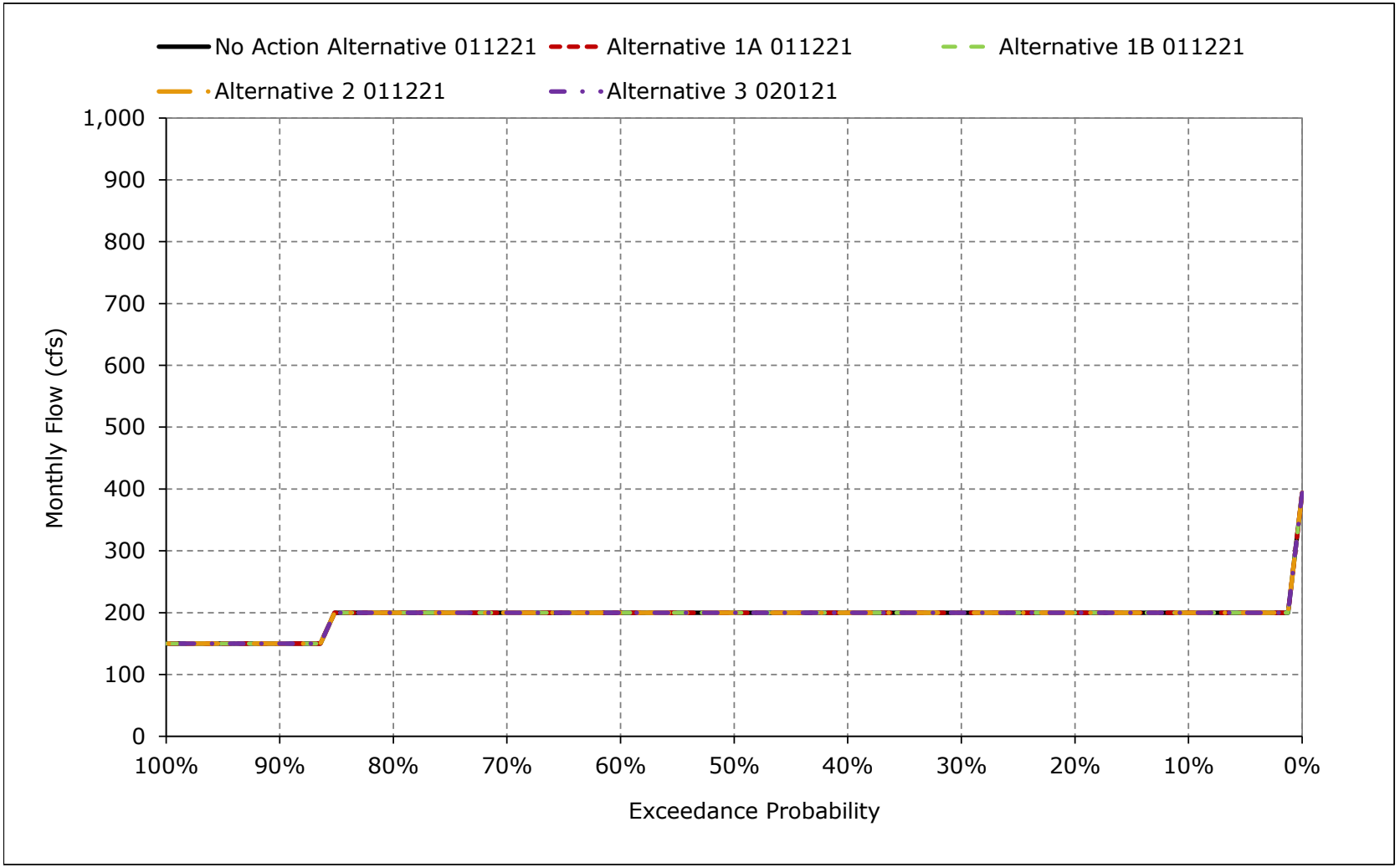


Figure 5B2-6-13. Clear Creek below Whiskeytown Dam Flow, April

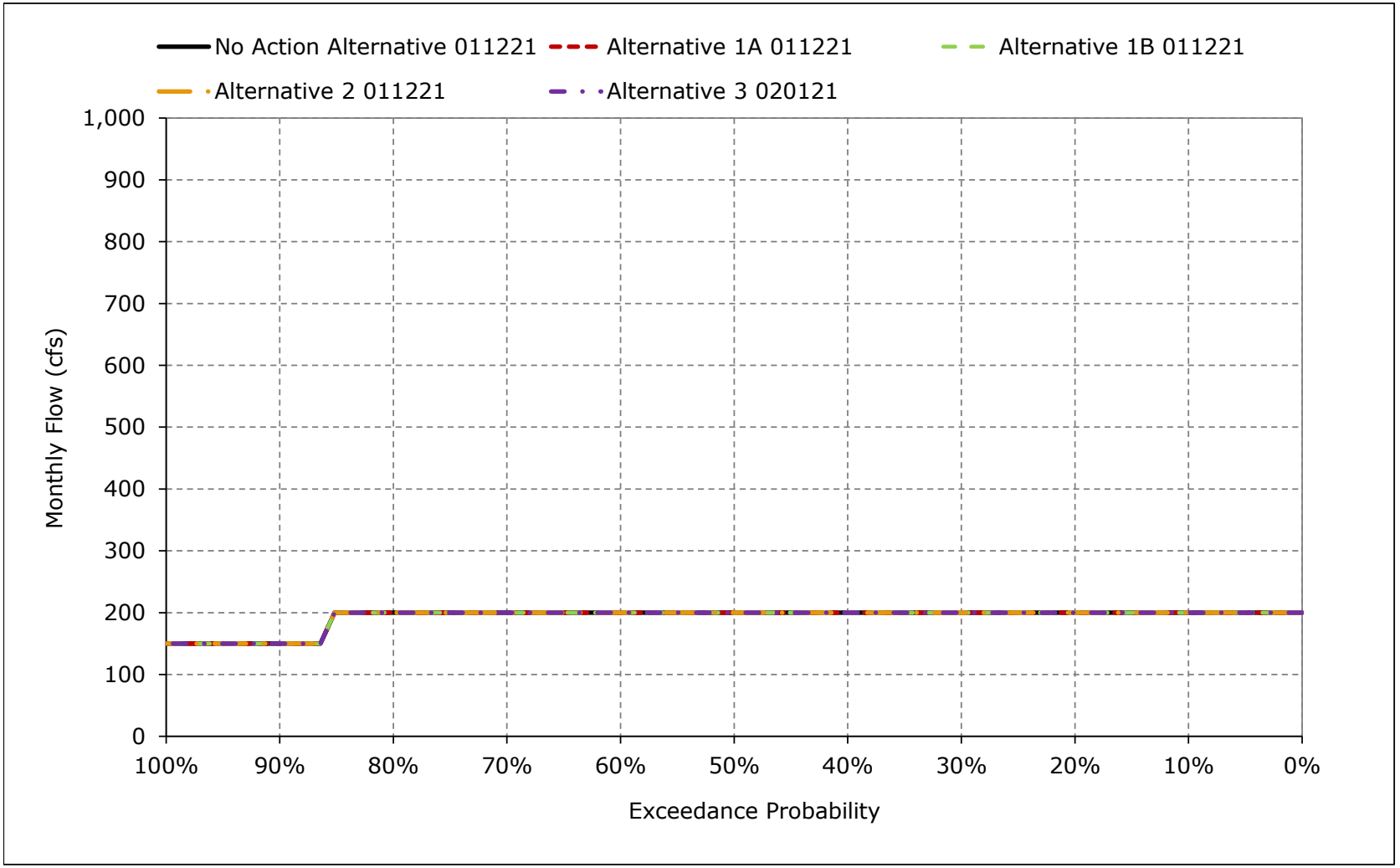


Figure 5B2-6-14. Clear Creek below Whiskeytown Dam Flow, May

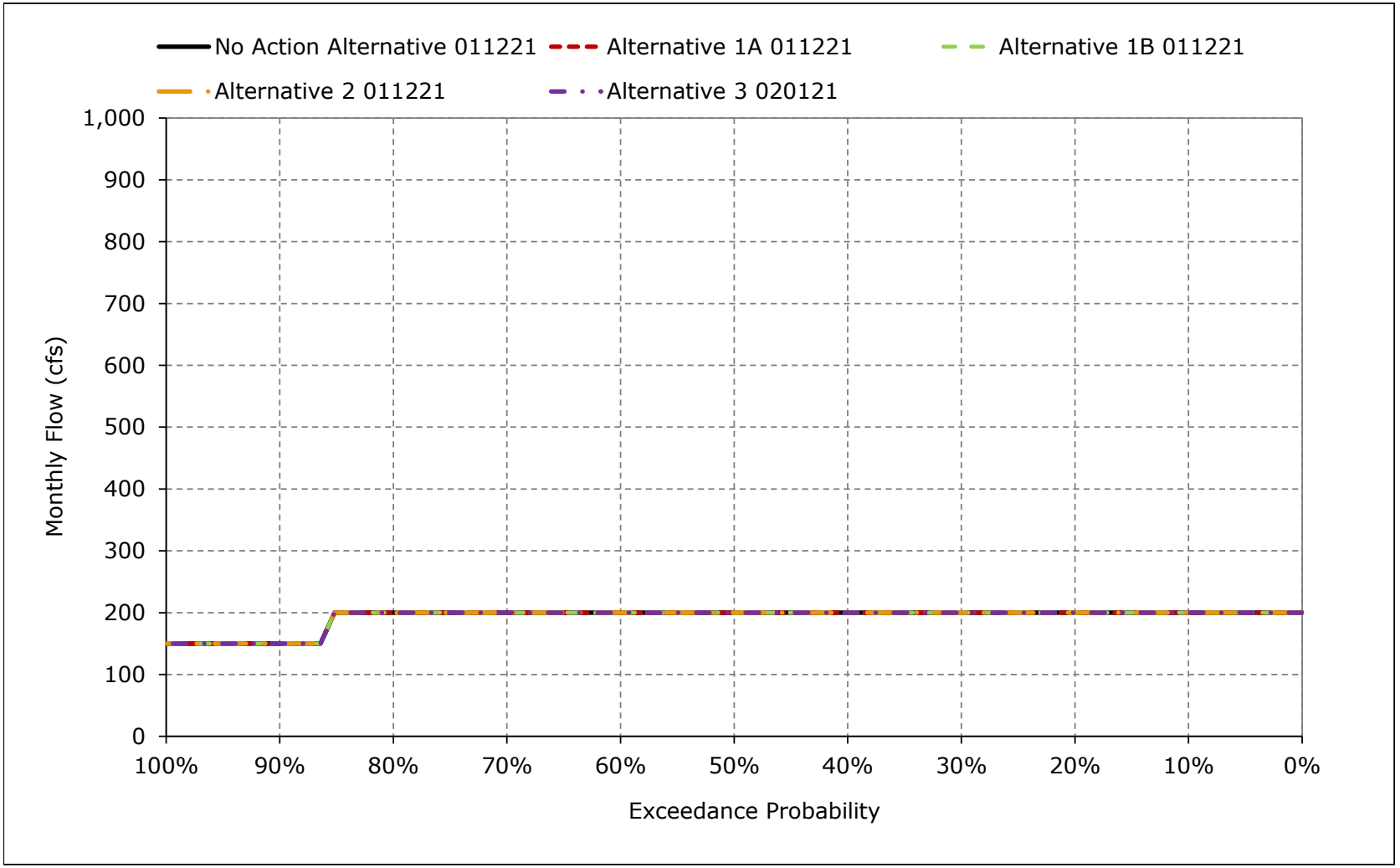


Figure 5B2-6-15. Clear Creek below Whiskeytown Dam Flow, June

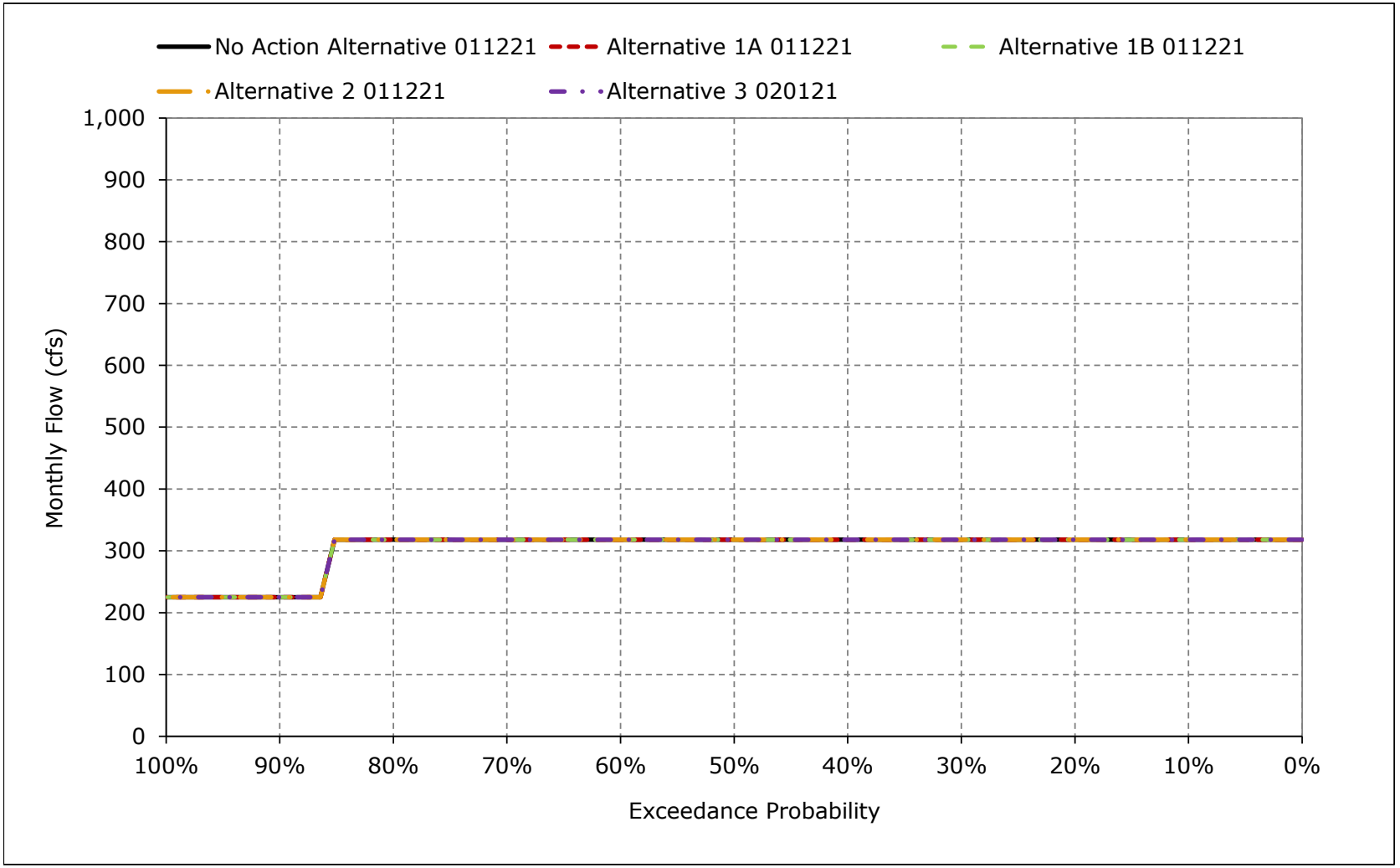


Figure 5B2-6-16. Clear Creek below Whiskeytown Dam Flow, July

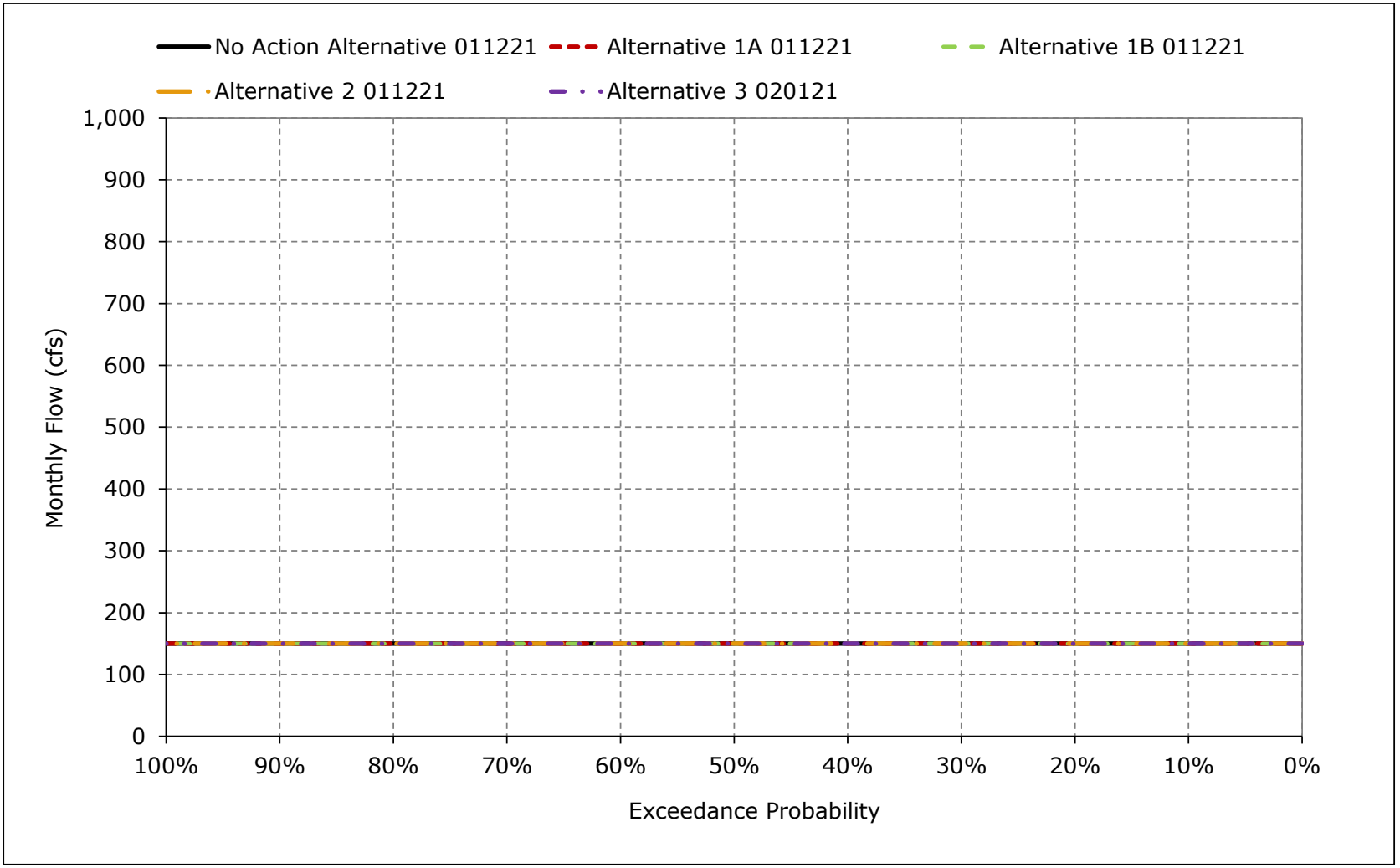


Figure 5B2-6-17. Clear Creek below Whiskeytown Dam Flow, August

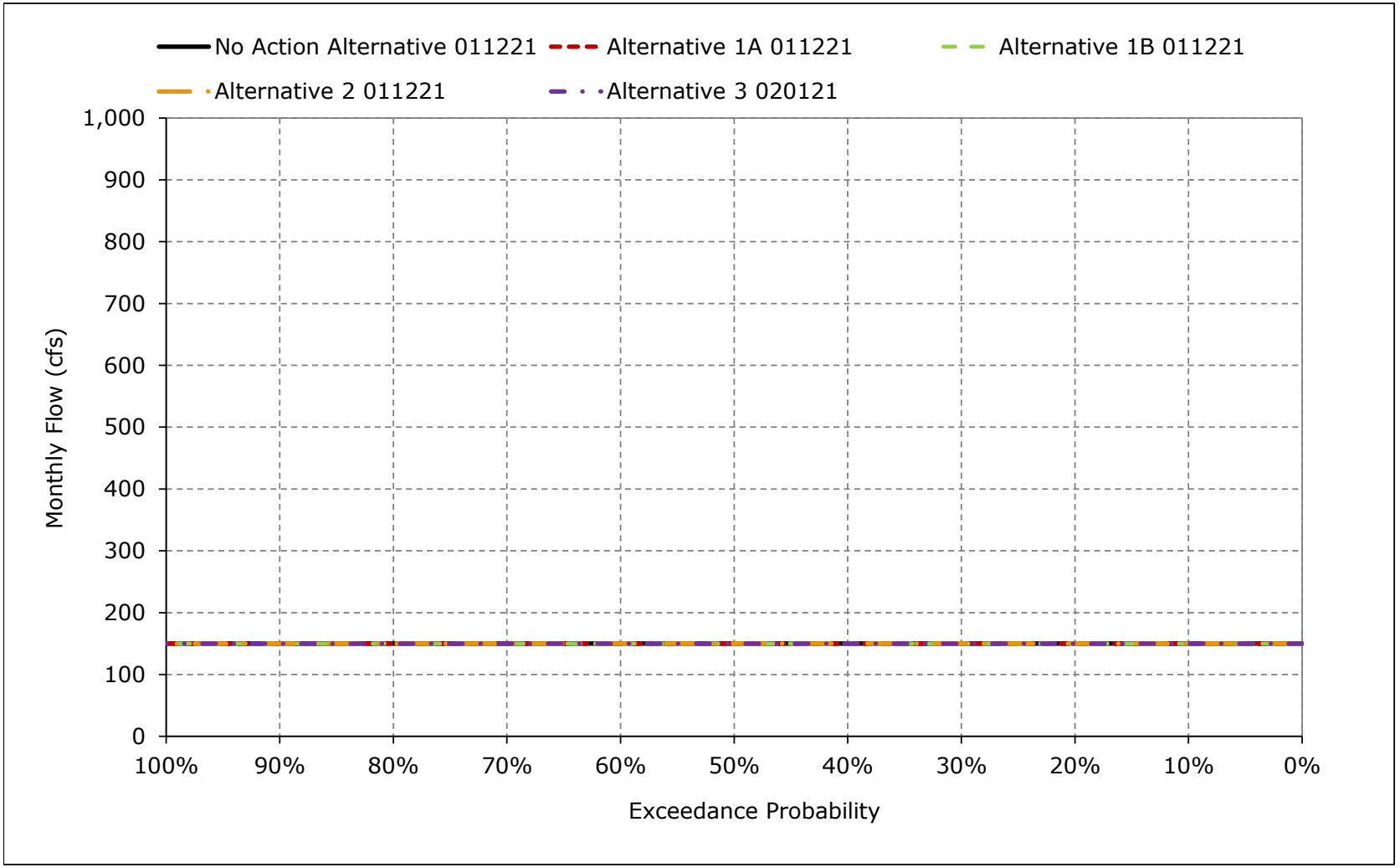


Figure 5B2-6-18. Clear Creek below Whiskeytown Dam Flow, September

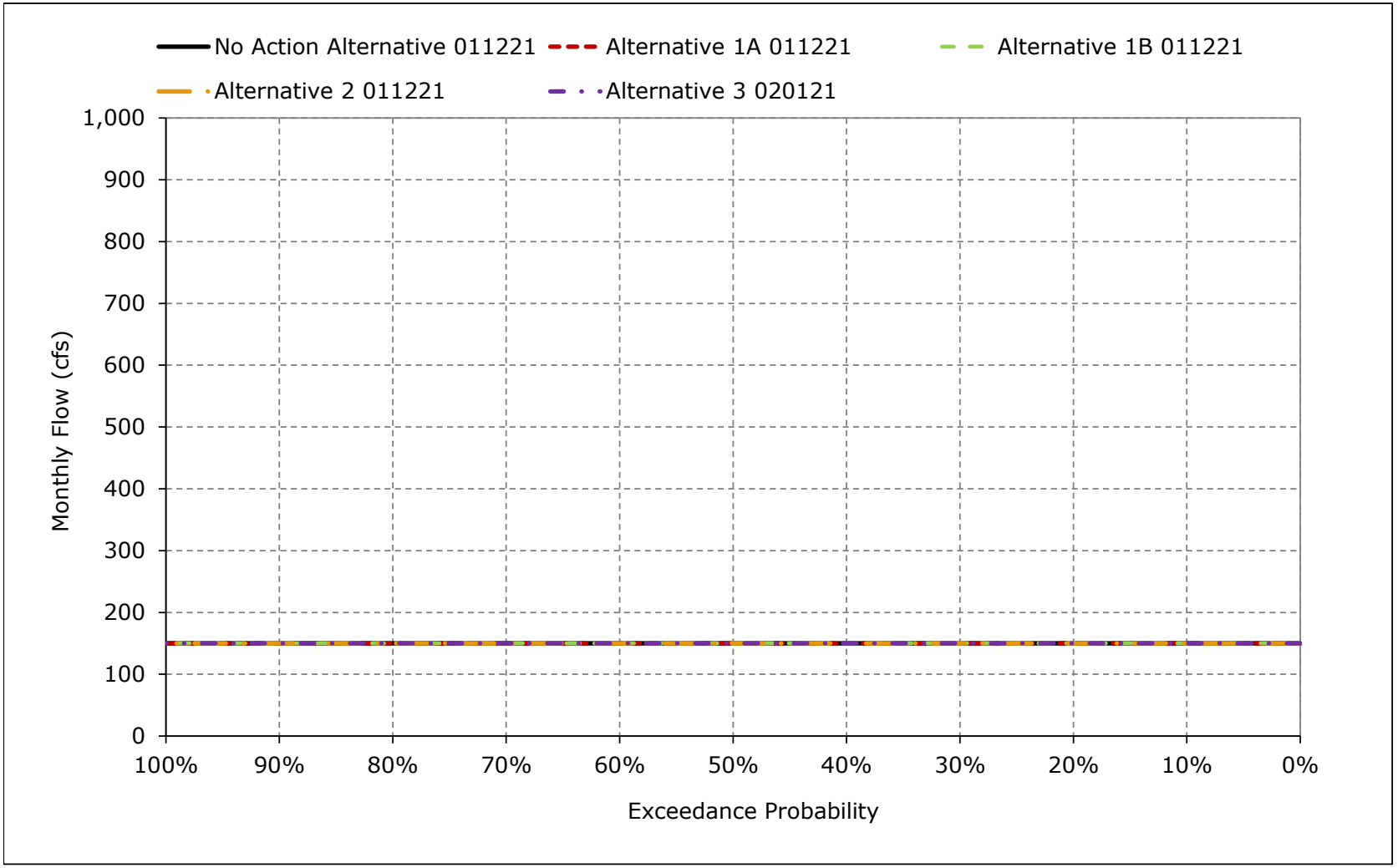


Table 5B2-7-1a. Shasta Lake Storage, No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,357	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,467	3,974	3,692	3,400
30%	3,245	3,187	3,314	3,527	3,700	4,052	4,491	4,552	4,320	3,790	3,446	3,258
40%	3,119	3,136	3,268	3,409	3,642	4,000	4,431	4,541	4,178	3,567	3,257	3,164
50%	3,025	2,991	3,225	3,317	3,523	3,955	4,292	4,439	4,059	3,477	3,177	3,072
60%	2,865	2,925	3,110	3,252	3,442	3,893	4,193	4,287	3,848	3,306	2,978	2,936
70%	2,699	2,743	2,856	3,149	3,289	3,577	4,100	3,974	3,674	3,140	2,845	2,797
80%	2,517	2,450	2,531	2,886	3,201	3,417	3,957	3,693	3,359	3,002	2,683	2,614
90%	1,948	1,784	2,259	2,448	2,558	2,860	3,100	2,816	2,598	2,333	2,107	2,046
Long Term												
Full Simulation Period[a]	2,793	2,788	2,914	3,157	3,393	3,738	4,099	4,091	3,823	3,354	3,029	2,890
Water Year Types[b,c]												
Wet (32%)	3,183	3,168	3,256	3,451	3,604	3,855	4,349	4,490	4,376	3,942	3,568	3,304
Above Normal (15%)	2,998	2,938	3,115	3,314	3,544	4,021	4,499	4,510	4,220	3,616	3,268	3,101
Below Normal (17%)	2,960	2,988	3,058	3,203	3,488	3,886	4,323	4,311	3,974	3,428	3,105	3,024
Dry (22%)	2,682	2,730	2,914	2,996	3,363	3,814	4,039	3,918	3,533	3,077	2,796	2,754
Critical (15%)	1,714	1,667	1,806	2,548	2,718	2,914	2,987	2,813	2,486	2,143	1,882	1,831

Table 5B2-7-1b. Shasta Lake 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%	3,250	3,252	3,359	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,485	3,979	3,693	3,400
30%	3,244	3,186	3,314	3,530	3,714	4,055	4,498	4,552	4,334	3,776	3,452	3,256
40%	3,123	3,139	3,266	3,416	3,637	3,996	4,431	4,552	4,185	3,588	3,261	3,181
50%	3,027	3,006	3,226	3,322	3,524	3,961	4,290	4,447	4,069	3,482	3,197	3,088
60%	2,847	2,935	3,118	3,252	3,445	3,893	4,197	4,309	3,860	3,304	2,991	2,959
70%	2,681	2,756	2,852	3,137	3,289	3,582	4,100	3,981	3,695	3,164	2,875	2,796
80%	2,556	2,454	2,539	2,907	3,214	3,417	3,970	3,783	3,367	3,006	2,712	2,634
90%	1,955	1,841	2,255	2,365	2,561	2,922	3,122	2,968	2,708	2,443	2,177	2,086
Long Term												
Full Simulation Period[a]	2,799	2,794	2,920	3,161	3,398	3,742	4,105	4,108	3,846	3,372	3,045	2,902
Water Year Types[b,c]												
Wet (32%)	3,185	3,170	3,261	3,453	3,604	3,855	4,350	4,492	4,381	3,945	3,570	3,305
Above Normal (15%)	3,002	2,942	3,120	3,324	3,546	4,021	4,499	4,514	4,227	3,626	3,279	3,111
Below Normal (17%)	2,970	2,994	3,062	3,197	3,486	3,885	4,324	4,319	3,988	3,436	3,114	3,032
Dry (22%)	2,685	2,736	2,907	2,996	3,368	3,822	4,050	3,943	3,573	3,106	2,810	2,758
Critical (15%)	1,733	1,688	1,836	2,569	2,742	2,934	3,007	2,875	2,546	2,200	1,945	1,882

Table 5B2-7-1c. Shasta Lake 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%	0	0	2	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	1	0	0	18	5	1	0
30%	-2	-1	0	3	14	3	7	0	13	-14	6	-2
40%	4	3	-2	7	-5	-4	1	11	7	20	4	17
50%	2	15	2	5	1	6	-2	8	11	6	21	17
60%	-18	11	9	0	3	0	3	22	13	-2	13	23
70%	-18	13	-3	-13	0	5	0	6	22	24	30	-2
80%	39	4	8	21	13	0	13	91	8	5	29	20
90%	7	57	-4	-83	4	62	22	152	110	110	70	40
Long Term												
Full Simulation Period[a]	6	7	6	4	5	5	6	17	23	18	16	12
Water Year Types[b,c]												
Wet (32%)	1	3	4	1	0	0	1	2	5	2	2	2
Above Normal (15%)	4	4	5	10	2	1	0	4	7	9	11	10
Below Normal (17%)	10	6	4	-6	-1	-1	0	9	14	8	10	8
Dry (22%)	3	6	-7	1	4	8	12	24	40	29	15	4
Critical (15%)	19	21	30	21	24	20	20	62	60	57	64	51

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 5B2-7-2a. Shasta Lake 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%	3,250	3,252	3,357	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,467	3,974	3,692	3,400
30%	3,245	3,187	3,314	3,527	3,700	4,052	4,491	4,552	4,320	3,790	3,446	3,258
40%	3,119	3,136	3,268	3,409	3,642	4,000	4,431	4,541	4,178	3,567	3,257	3,164
50%	3,025	2,991	3,225	3,317	3,523	3,955	4,292	4,439	4,059	3,477	3,177	3,072
60%	2,865	2,925	3,110	3,252	3,442	3,893	4,193	4,287	3,848	3,306	2,978	2,936
70%	2,699	2,743	2,856	3,149	3,289	3,577	4,100	3,974	3,674	3,140	2,845	2,797
80%	2,517	2,450	2,531	2,886	3,201	3,417	3,957	3,693	3,359	3,002	2,683	2,614
90%	1,948	1,784	2,259	2,448	2,558	2,860	3,100	2,816	2,598	2,333	2,107	2,046
Long Term												
Full Simulation Period[a]	2,793	2,788	2,914	3,157	3,393	3,738	4,099	4,091	3,823	3,354	3,029	2,890
Water Year Types[b,c]												
Wet (32%)	3,183	3,168	3,256	3,451	3,604	3,855	4,349	4,490	4,376	3,942	3,568	3,304
Above Normal (15%)	2,998	2,938	3,115	3,314	3,544	4,021	4,499	4,510	4,220	3,616	3,268	3,101
Below Normal (17%)	2,960	2,988	3,058	3,203	3,488	3,886	4,323	4,311	3,974	3,428	3,105	3,024
Dry (22%)	2,682	2,730	2,914	2,996	3,363	3,814	4,039	3,918	3,533	3,077	2,796	2,754
Critical (15%)	1,714	1,667	1,806	2,548	2,718	2,914	2,987	2,813	2,486	2,143	1,882	1,831

Table 5B2-7-2b. Shasta Lake 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%	3,250	3,252	3,358	3,650	3,934	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,346	3,588	3,791	4,147	4,545	4,552	4,485	3,990	3,694	3,400
30%	3,242	3,199	3,317	3,536	3,714	4,061	4,498	4,552	4,359	3,815	3,465	3,289
40%	3,178	3,147	3,266	3,426	3,645	4,006	4,431	4,552	4,222	3,620	3,309	3,191
50%	3,044	3,012	3,233	3,335	3,549	3,961	4,290	4,473	4,109	3,521	3,235	3,120
60%	2,883	2,956	3,127	3,252	3,448	3,894	4,203	4,318	3,896	3,349	3,044	2,965
70%	2,725	2,780	2,872	3,149	3,283	3,604	4,128	4,005	3,704	3,221	2,934	2,858
80%	2,581	2,509	2,569	2,922	3,227	3,419	3,995	3,778	3,442	2,985	2,726	2,657
90%	1,956	1,853	2,255	2,368	2,586	2,943	3,110	2,992	2,733	2,469	2,203	2,112
Long Term												
Full Simulation Period[a]	2,816	2,806	2,930	3,171	3,404	3,748	4,111	4,120	3,865	3,394	3,065	2,919
Water Year Types[b,c]												
Wet (32%)	3,185	3,175	3,266	3,455	3,604	3,855	4,350	4,492	4,381	3,945	3,570	3,305
Above Normal (15%)	3,033	2,974	3,139	3,335	3,552	4,024	4,499	4,514	4,267	3,685	3,336	3,147
Below Normal (17%)	2,998	3,010	3,074	3,208	3,488	3,887	4,326	4,339	4,020	3,473	3,151	3,065
Dry (22%)	2,712	2,738	2,920	3,019	3,387	3,838	4,073	3,972	3,596	3,123	2,830	2,779
Critical (15%)	1,746	1,698	1,842	2,575	2,748	2,943	3,015	2,888	2,566	2,220	1,955	1,891

Table 5B2-7-2c. Shasta Lake 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%	0	0	1	0	15	0	0	0	0	0	0	0
20%	0	0	8	0	0	3	0	0	18	16	2	0
30%	-3	11	2	9	14	9	7	0	38	25	19	32
40%	59	11	-2	17	3	6	1	11	44	53	52	27
50%	19	21	8	18	26	6	-2	33	50	45	58	48
60%	18	31	17	0	6	1	10	31	48	43	65	28
70%	26	37	16	0	-6	27	28	31	30	81	89	60
80%	64	59	38	36	26	2	38	86	83	-17	43	42
90%	8	69	-4	-80	28	83	10	176	135	137	96	66
Long Term												
Full Simulation Period[a]	23	18	16	14	11	10	13	29	42	40	37	28
Water Year Types[b,c]												
Wet (32%)	1	7	9	4	0	0	1	2	5	2	2	1
Above Normal (15%)	35	36	24	21	8	3	0	4	47	69	69	46
Below Normal (17%)	38	22	16	5	1	1	3	29	46	45	47	41
Dry (22%)	30	8	5	23	23	25	35	54	63	46	34	26
Critical (15%)	32	32	36	27	30	29	29	75	80	77	74	60

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 5B2-7-3a. Shasta Lake 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%	3,250	3,252	3,357	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,467	3,974	3,692	3,400
30%	3,245	3,187	3,314	3,527	3,700	4,052	4,491	4,552	4,320	3,790	3,446	3,258
40%	3,119	3,136	3,268	3,409	3,642	4,000	4,431	4,541	4,178	3,567	3,257	3,164
50%	3,025	2,991	3,225	3,317	3,523	3,955	4,292	4,439	4,059	3,477	3,177	3,072
60%	2,865	2,925	3,110	3,252	3,442	3,893	4,193	4,287	3,848	3,306	2,978	2,936
70%	2,699	2,743	2,856	3,149	3,289	3,577	4,100	3,974	3,674	3,140	2,845	2,797
80%	2,517	2,450	2,531	2,886	3,201	3,417	3,957	3,693	3,359	3,002	2,683	2,614
90%	1,948	1,784	2,259	2,448	2,558	2,860	3,100	2,816	2,598	2,333	2,107	2,046
Long Term												
Full Simulation Period[a]	2,793	2,788	2,914	3,157	3,393	3,738	4,099	4,091	3,823	3,354	3,029	2,890
Water Year Types[b,c]												
Wet (32%)	3,183	3,168	3,256	3,451	3,604	3,855	4,349	4,490	4,376	3,942	3,568	3,304
Above Normal (15%)	2,998	2,938	3,115	3,314	3,544	4,021	4,499	4,510	4,220	3,616	3,268	3,101
Below Normal (17%)	2,960	2,988	3,058	3,203	3,488	3,886	4,323	4,311	3,974	3,428	3,105	3,024
Dry (22%)	2,682	2,730	2,914	2,996	3,363	3,814	4,039	3,918	3,533	3,077	2,796	2,754
Critical (15%)	1,714	1,667	1,806	2,548	2,718	2,914	2,987	2,813	2,486	2,143	1,882	1,831

Table 5B2-7-3b. Shasta Lake 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%	3,250	3,252	3,359	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,485	3,979	3,693	3,400
30%	3,243	3,186	3,314	3,530	3,714	4,055	4,498	4,552	4,334	3,775	3,452	3,258
40%	3,123	3,139	3,266	3,416	3,637	4,000	4,439	4,552	4,185	3,592	3,261	3,181
50%	3,027	3,009	3,226	3,322	3,525	3,961	4,290	4,447	4,077	3,482	3,196	3,089
60%	2,851	2,937	3,118	3,252	3,445	3,893	4,197	4,310	3,861	3,305	2,990	2,959
70%	2,681	2,756	2,882	3,151	3,289	3,582	4,100	3,985	3,703	3,166	2,878	2,796
80%	2,560	2,455	2,537	2,890	3,215	3,417	3,969	3,789	3,368	3,006	2,712	2,636
90%	1,967	1,845	2,235	2,376	2,564	2,924	3,079	2,966	2,707	2,442	2,177	2,086
Long Term												
Full Simulation Period[a]	2,797	2,793	2,918	3,159	3,396	3,741	4,104	4,107	3,845	3,371	3,043	2,900
Water Year Types[b,c]												
Wet (32%)	3,185	3,170	3,261	3,453	3,604	3,855	4,350	4,492	4,381	3,945	3,570	3,305
Above Normal (15%)	3,002	2,942	3,120	3,325	3,546	4,021	4,499	4,514	4,227	3,626	3,279	3,111
Below Normal (17%)	2,965	2,989	3,057	3,191	3,485	3,883	4,322	4,317	3,986	3,434	3,112	3,030
Dry (22%)	2,687	2,741	2,912	2,998	3,370	3,824	4,052	3,944	3,575	3,108	2,812	2,760
Critical (15%)	1,722	1,676	1,819	2,561	2,734	2,925	2,998	2,867	2,540	2,195	1,930	1,868

Table 5B2-7-3c. Shasta Lake 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%	0	0	2	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	1	0	0	18	5	1	0
30%	-2	-1	0	3	14	3	7	0	13	-14	6	0
40%	4	3	-2	7	-5	0	9	11	7	24	4	17
50%	2	18	1	5	2	6	-1	8	18	5	19	17
60%	-14	13	9	0	3	0	3	23	13	-1	11	22
70%	-18	14	26	1	0	5	0	11	29	26	34	-2
80%	43	4	6	4	14	0	11	96	8	5	29	22
90%	19	61	-24	-72	6	64	-21	150	109	110	70	40
Long Term												
Full Simulation Period[a]	4	5	3	3	4	4	5	16	22	17	14	10
Water Year Types[b,c]												
Wet (32%)	1	3	4	1	0	0	1	2	5	2	2	1
Above Normal (15%)	5	4	5	11	2	1	0	4	7	10	12	10
Below Normal (17%)	5	1	-1	-11	-3	-3	-2	6	12	6	7	6
Dry (22%)	5	11	-2	3	6	10	13	26	42	30	16	6
Critical (15%)	9	9	13	13	16	12	12	54	54	52	49	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 5B2-7-4a. Shasta Lake 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%	3,250	3,252	3,357	3,650	3,919	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,337	3,588	3,791	4,144	4,545	4,552	4,467	3,974	3,692	3,400
30%	3,245	3,187	3,314	3,527	3,700	4,052	4,491	4,552	4,320	3,790	3,446	3,258
40%	3,119	3,136	3,268	3,409	3,642	4,000	4,431	4,541	4,178	3,567	3,257	3,164
50%	3,025	2,991	3,225	3,317	3,523	3,955	4,292	4,439	4,059	3,477	3,177	3,072
60%	2,865	2,925	3,110	3,252	3,442	3,893	4,193	4,287	3,848	3,306	2,978	2,936
70%	2,699	2,743	2,856	3,149	3,289	3,577	4,100	3,974	3,674	3,140	2,845	2,797
80%	2,517	2,450	2,531	2,886	3,201	3,417	3,957	3,693	3,359	3,002	2,683	2,614
90%	1,948	1,784	2,259	2,448	2,558	2,860	3,100	2,816	2,598	2,333	2,107	2,046
Long Term												
Full Simulation Period[a]	2,793	2,788	2,914	3,157	3,393	3,738	4,099	4,091	3,823	3,354	3,029	2,890
Water Year Types[b,c]												
Wet (32%)	3,183	3,168	3,256	3,451	3,604	3,855	4,349	4,490	4,376	3,942	3,568	3,304
Above Normal (15%)	2,998	2,938	3,115	3,314	3,544	4,021	4,499	4,510	4,220	3,616	3,268	3,101
Below Normal (17%)	2,960	2,988	3,058	3,203	3,488	3,886	4,323	4,311	3,974	3,428	3,105	3,024
Dry (22%)	2,682	2,730	2,914	2,996	3,363	3,814	4,039	3,918	3,533	3,077	2,796	2,754
Critical (15%)	1,714	1,667	1,806	2,548	2,718	2,914	2,987	2,813	2,486	2,143	1,882	1,831

Table 5B2-7-4b. Shasta Lake 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%	3,250	3,252	3,356	3,650	3,934	4,241	4,552	4,552	4,500	4,150	3,700	3,400
20%	3,250	3,252	3,345	3,601	3,802	4,159	4,545	4,552	4,485	4,033	3,700	3,400
30%	3,250	3,203	3,317	3,542	3,714	4,069	4,498	4,552	4,379	3,843	3,495	3,374
40%	3,220	3,156	3,266	3,479	3,657	4,009	4,453	4,552	4,263	3,656	3,377	3,229
50%	3,070	3,070	3,239	3,362	3,564	3,968	4,324	4,480	4,143	3,567	3,260	3,187
60%	2,966	3,008	3,160	3,252	3,469	3,894	4,224	4,364	4,007	3,386	3,091	3,033
70%	2,795	2,850	2,923	3,211	3,289	3,616	4,141	4,040	3,755	3,285	2,994	2,951
80%	2,621	2,564	2,604	2,931	3,232	3,421	4,029	3,829	3,505	3,083	2,805	2,699
90%	2,006	1,883	2,350	2,512	2,658	2,963	3,176	3,046	2,830	2,554	2,286	2,195
Long Term												
Full Simulation Period[a]	2,852	2,839	2,953	3,194	3,417	3,760	4,124	4,135	3,893	3,430	3,114	2,963
Water Year Types[b,c]												
Wet (32%)	3,185	3,175	3,265	3,465	3,604	3,855	4,350	4,492	4,381	3,945	3,570	3,305
Above Normal (15%)	3,076	3,009	3,162	3,373	3,552	4,024	4,499	4,514	4,284	3,724	3,431	3,215
Below Normal (17%)	3,039	3,045	3,093	3,225	3,501	3,899	4,335	4,349	4,072	3,532	3,216	3,123
Dry (22%)	2,786	2,815	2,966	3,049	3,416	3,862	4,098	4,007	3,648	3,193	2,914	2,866
Critical (15%)	1,786	1,741	1,883	2,607	2,780	2,974	3,055	2,927	2,602	2,258	1,994	1,932

Table 5B2-7-4c. Shasta Lake 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%	0	0	-1	0	15	0	0	0	0	0	0	0
20%	0	0	7	14	11	15	0	0	18	59	8	0
30%	5	16	2	15	14	17	7	0	59	54	49	116
40%	101	20	-2	70	15	9	23	11	85	89	120	65
50%	45	80	14	45	41	13	32	41	84	90	83	116
60%	101	84	50	0	27	1	30	77	159	80	113	97
70%	96	107	68	62	0	39	41	65	81	145	150	154
80%	104	114	73	45	32	4	71	137	146	81	122	85
90%	58	98	91	65	101	103	76	230	232	221	179	150
Long Term												
Full Simulation Period[a]	59	52	38	37	24	22	25	44	70	76	86	73
Water Year Types[b,c]												
Wet (32%)	1	7	8	13	0	0	1	2	5	2	2	2
Above Normal (15%)	78	70	47	58	8	3	0	4	63	107	164	114
Below Normal (17%)	79	57	35	22	13	13	12	39	98	104	111	99
Dry (22%)	104	84	51	54	52	48	59	89	115	115	118	112
Critical (15%)	72	75	77	58	62	61	69	114	116	114	113	100

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 5B2-7-1. Shasta Lake Storage, October

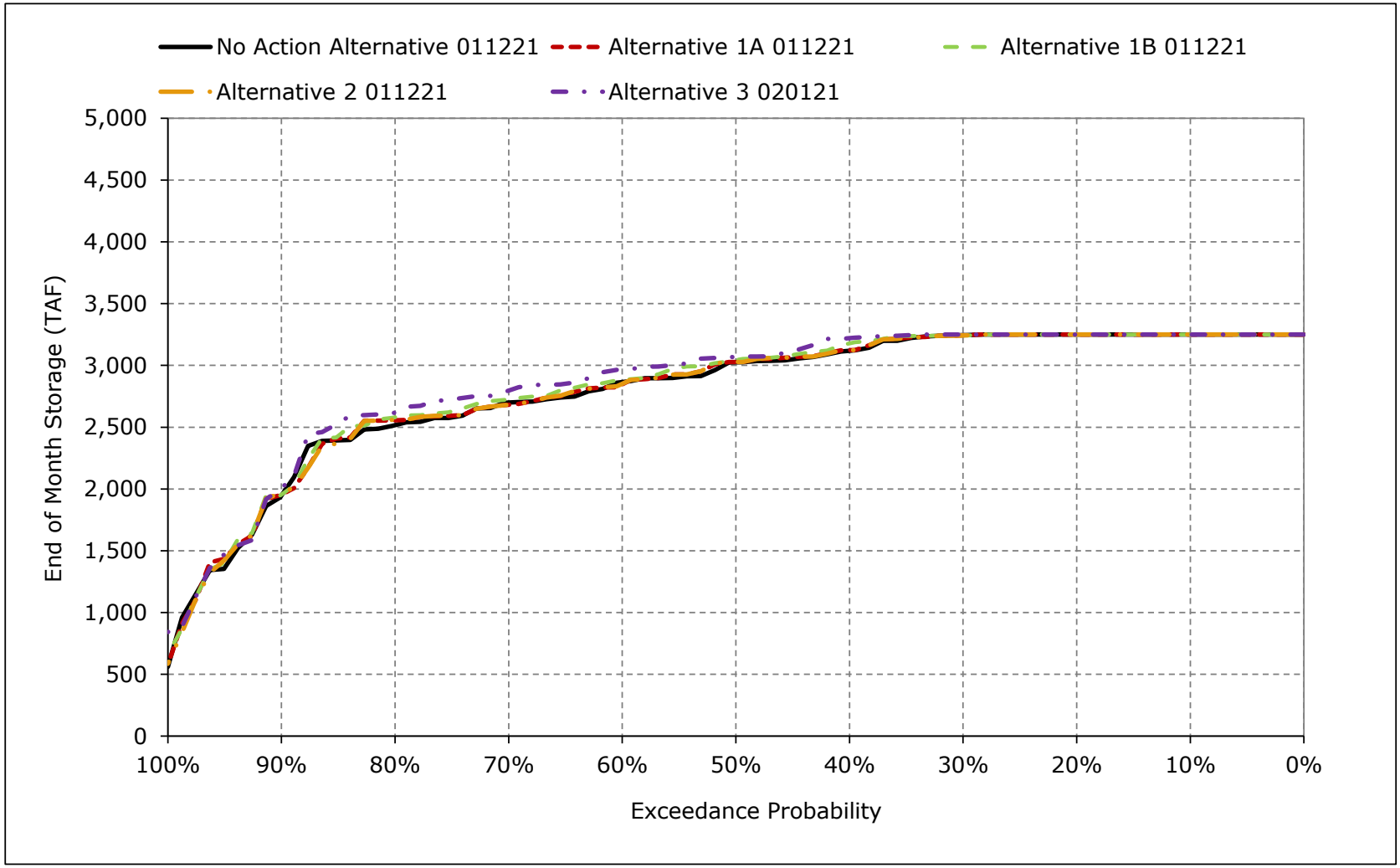


Figure 5B2-7-2. Shasta Lake Storage, November

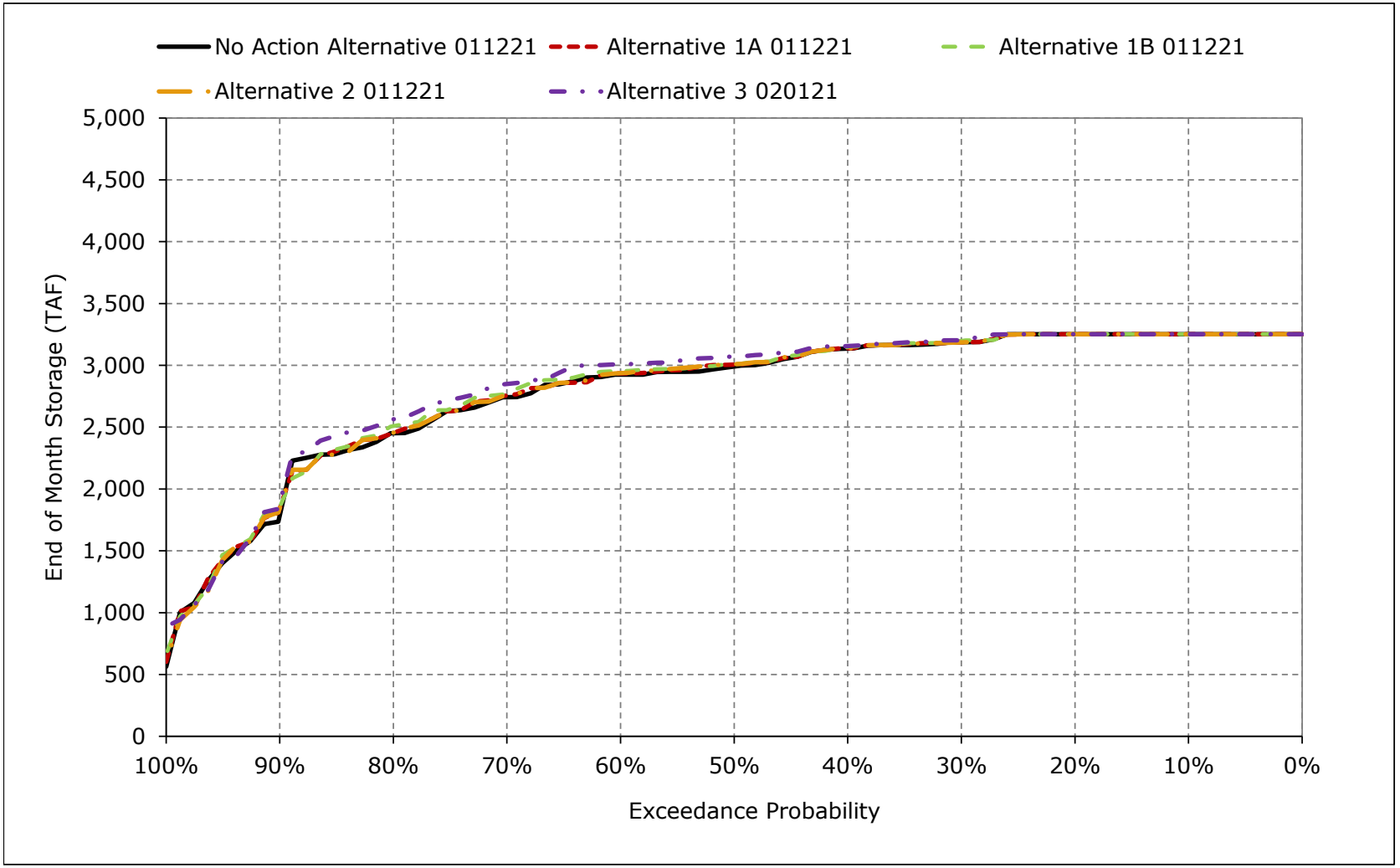


Figure 5B2-7-3. Shasta Lake Storage, December

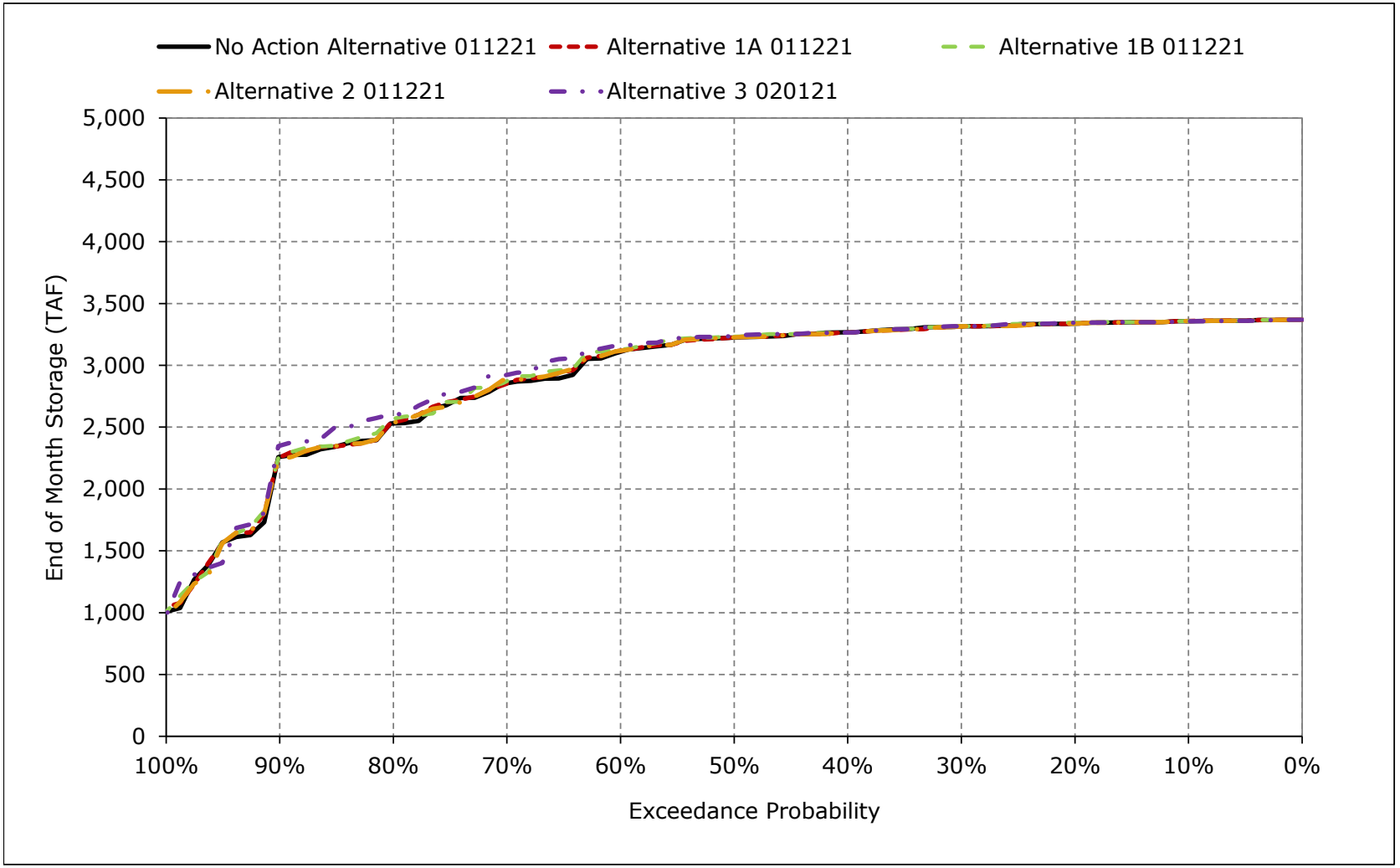


Figure 5B2-7-4. Shasta Lake Storage, January

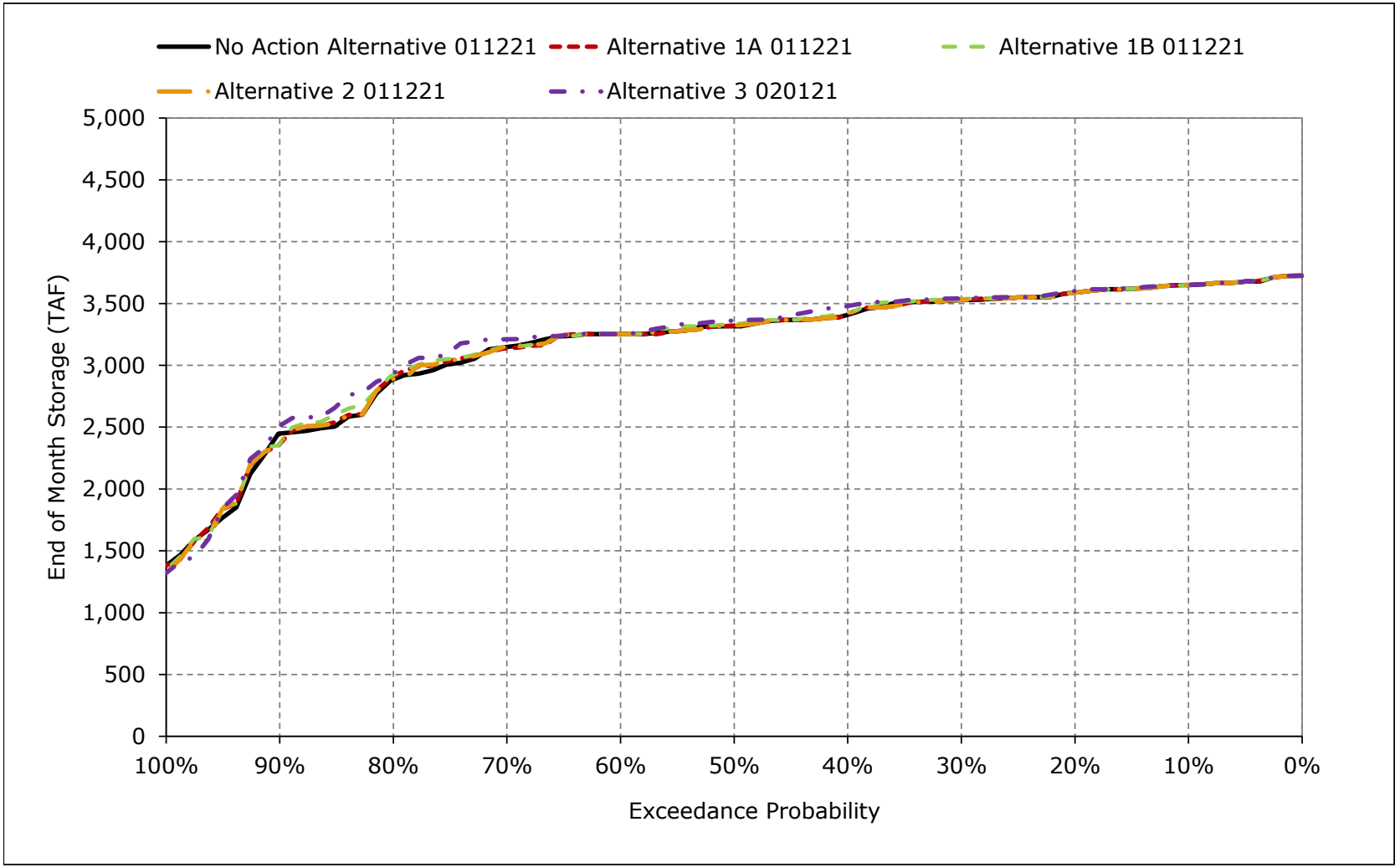


Figure 5B2-7-5. Shasta Lake Storage, February

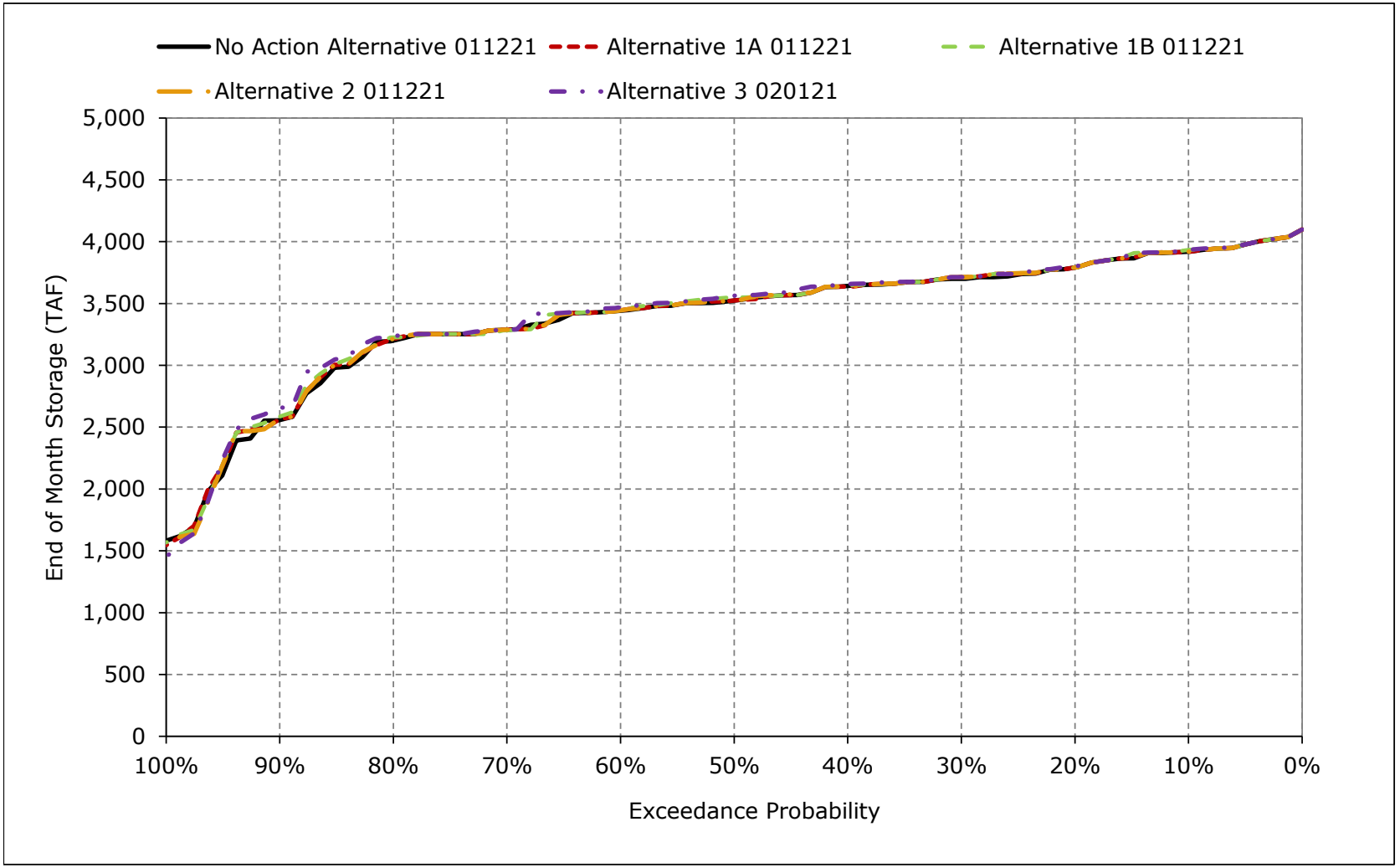


Figure 5B2-7-6. Shasta Lake Storage, March

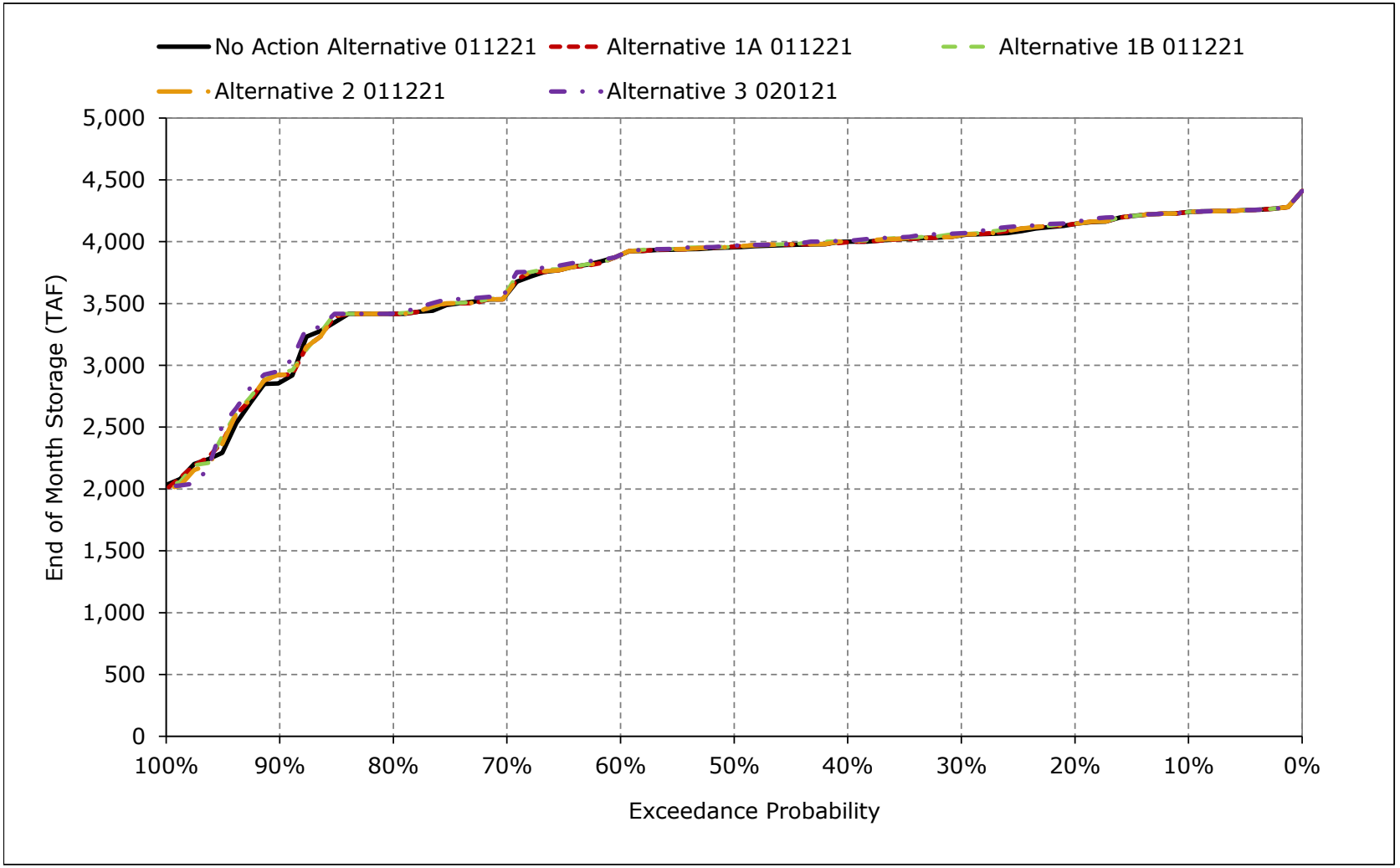


Figure 5B2-7-7. Shasta Lake Storage, April

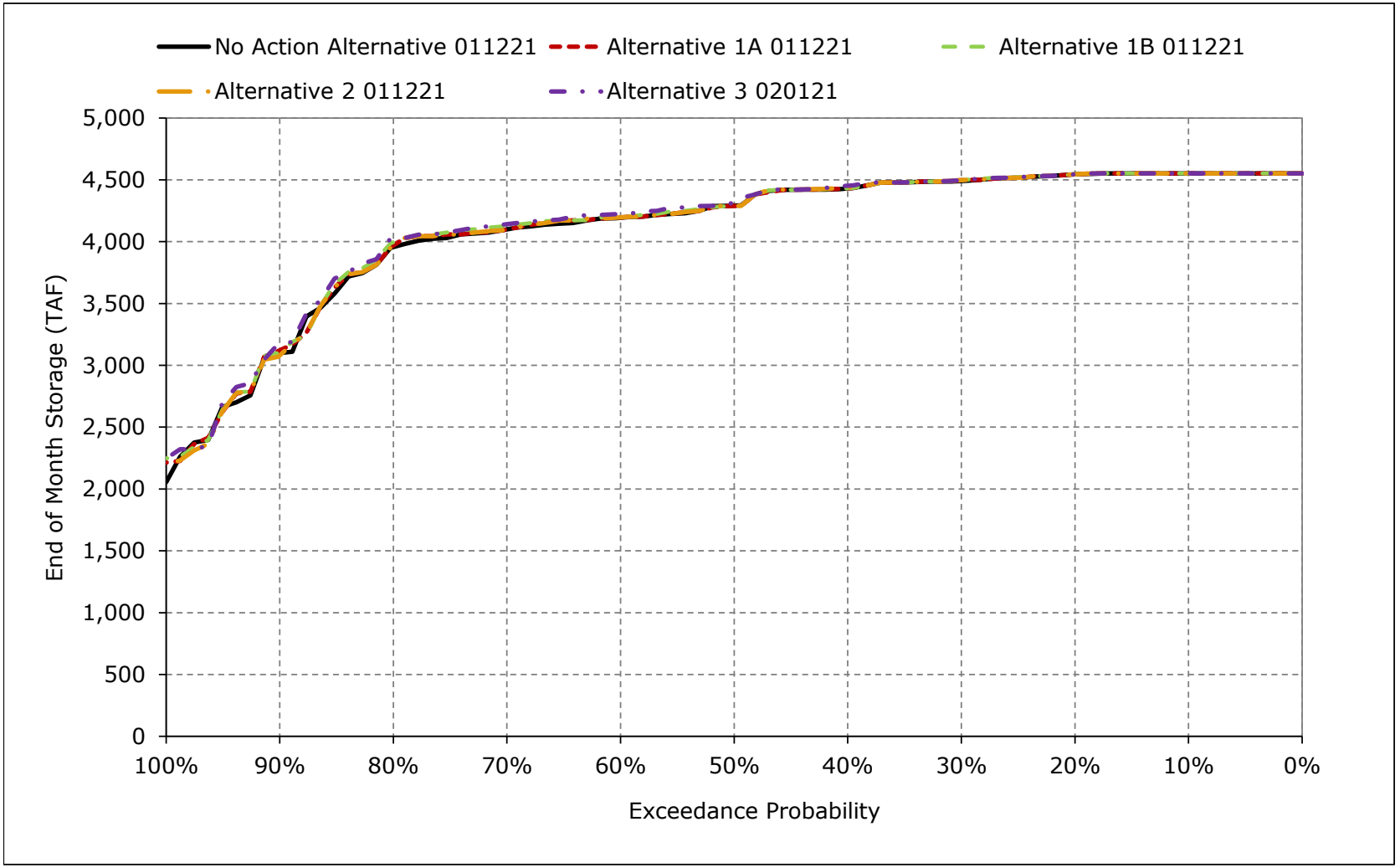


Figure 5B2-7-8. Shasta Lake Storage, May

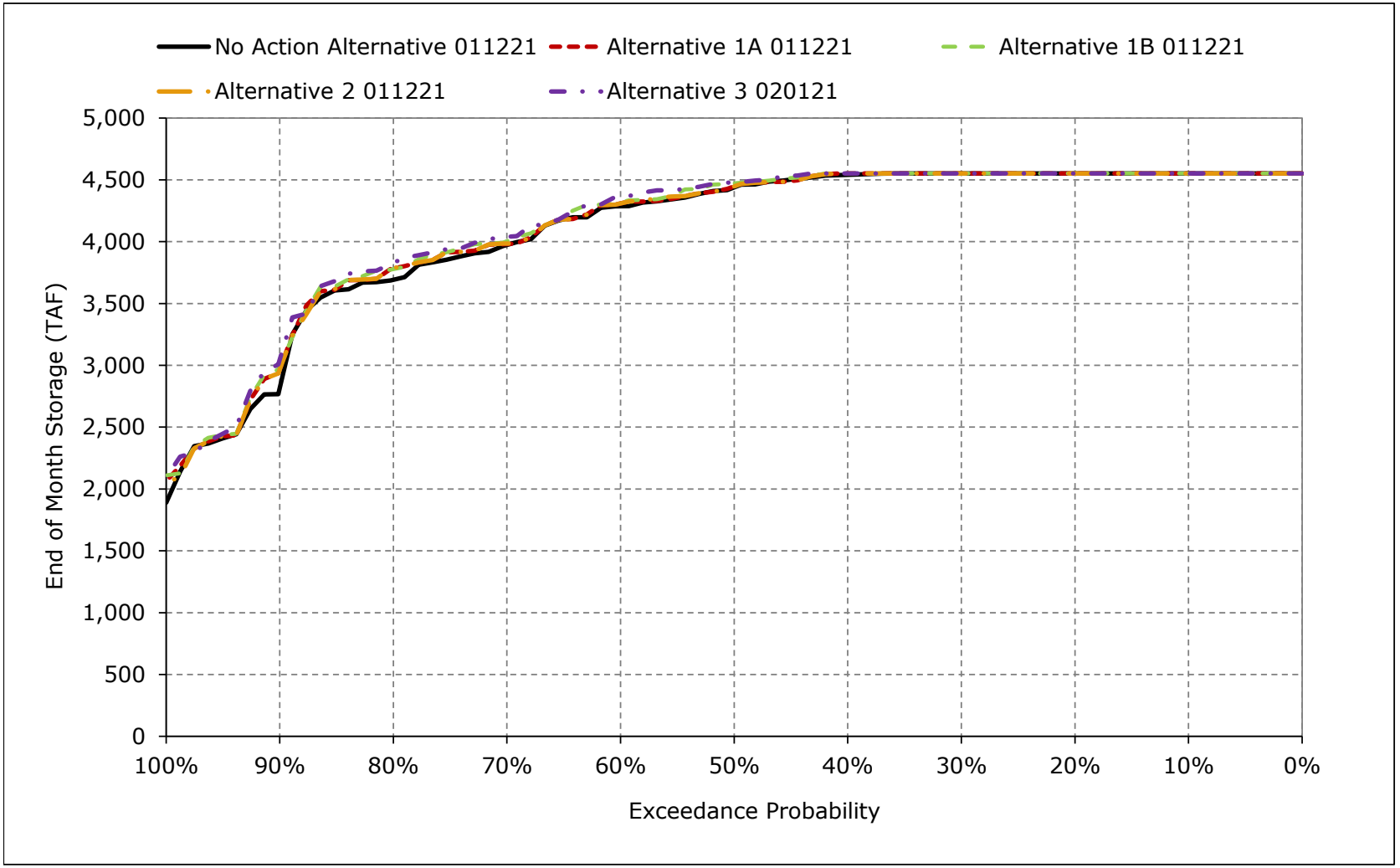


Figure 5B2-7-9. Shasta Lake Storage, June

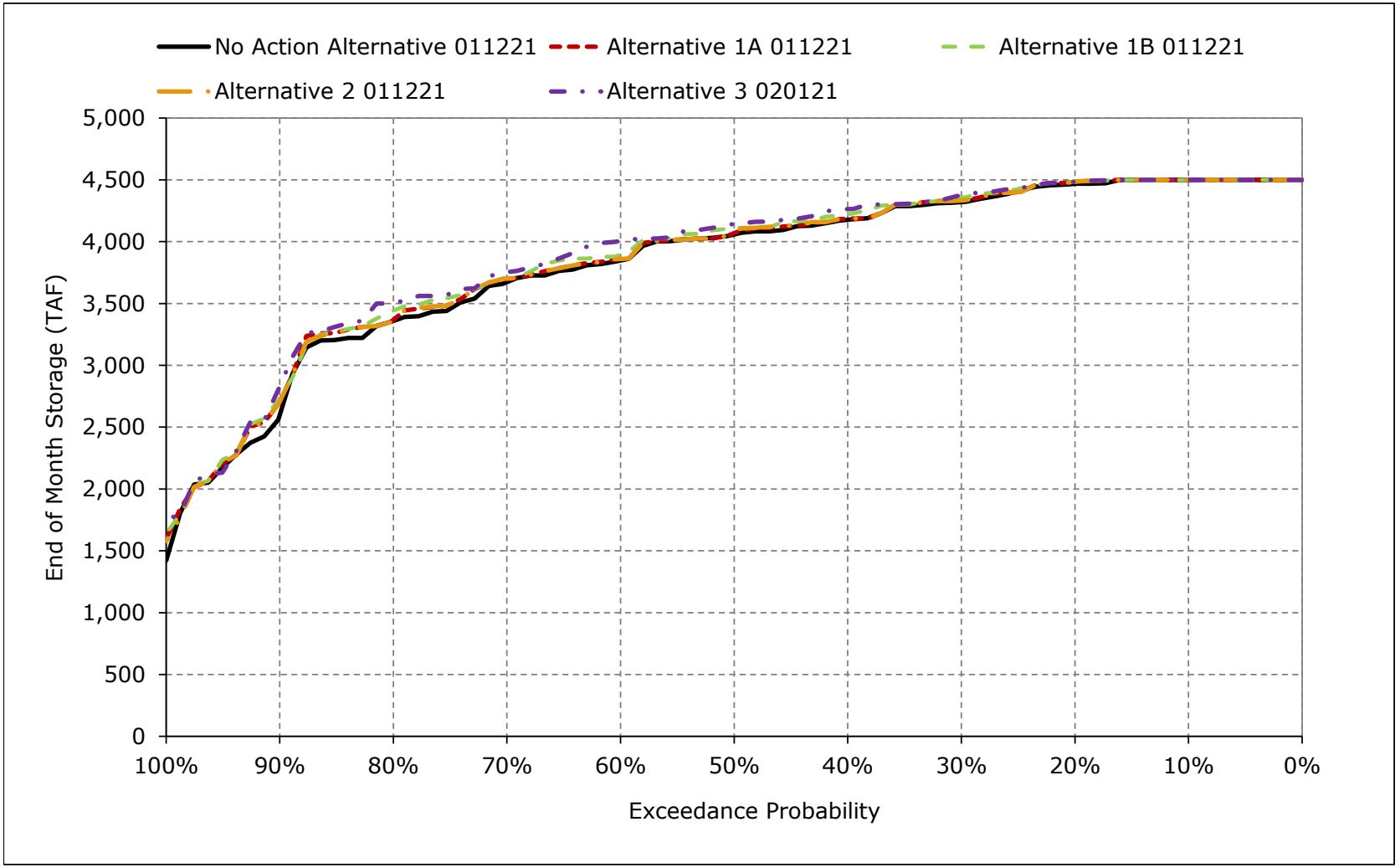


Figure 5B2-7-10. Shasta Lake Storage, July

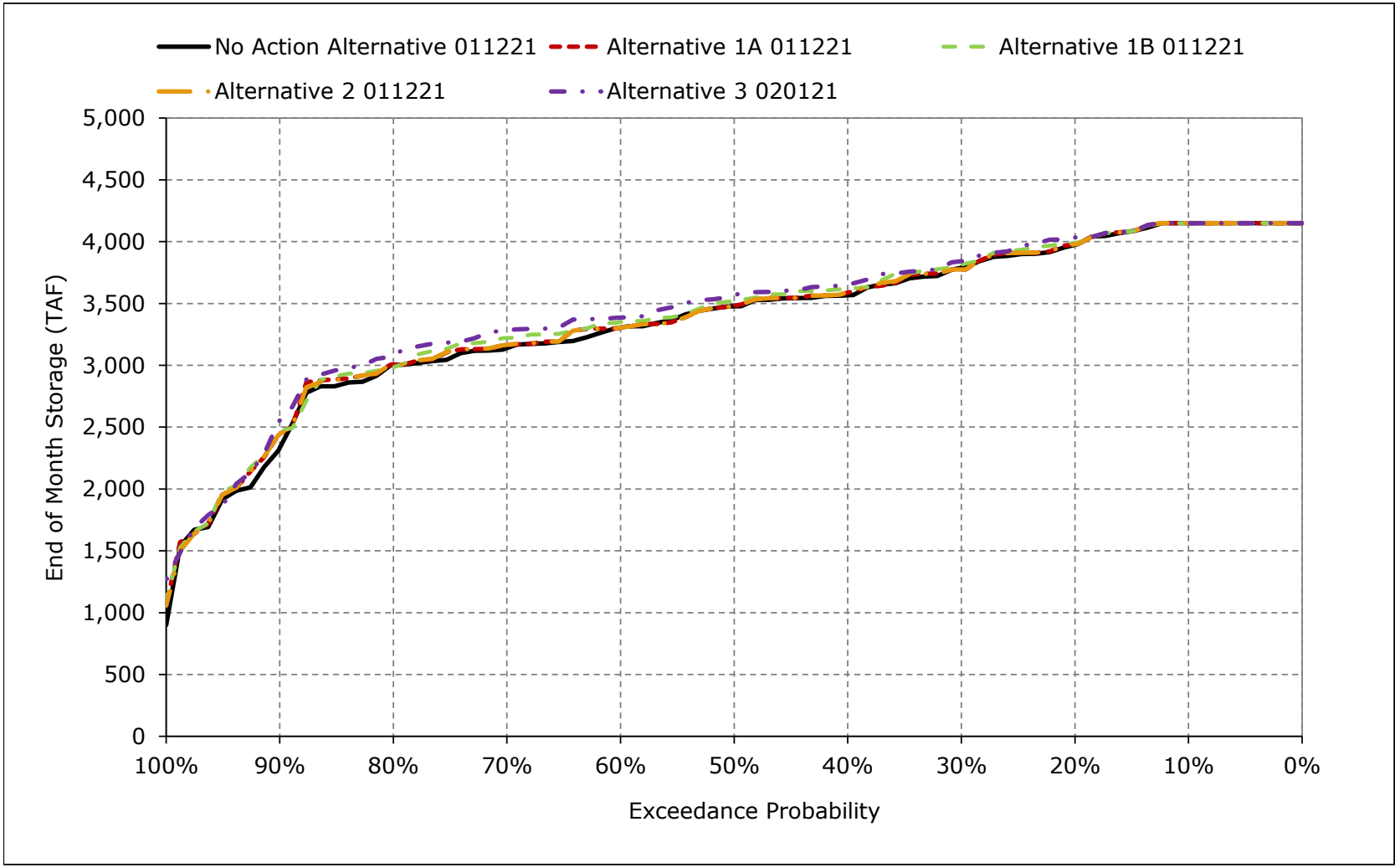


Figure 5B2-7-11. Shasta Lake Storage, August

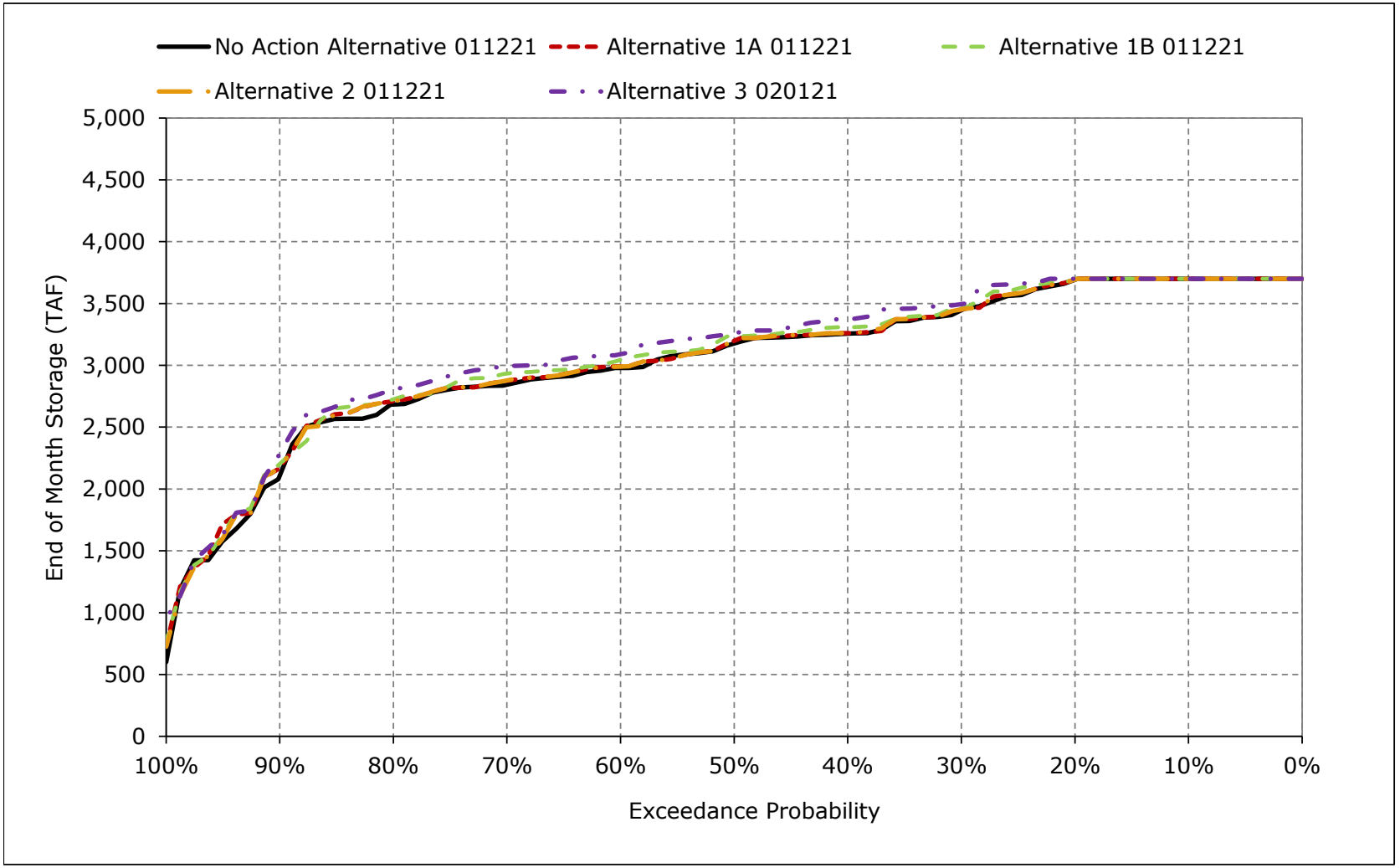


Figure 5B2-7-12. Shasta Lake Storage, September

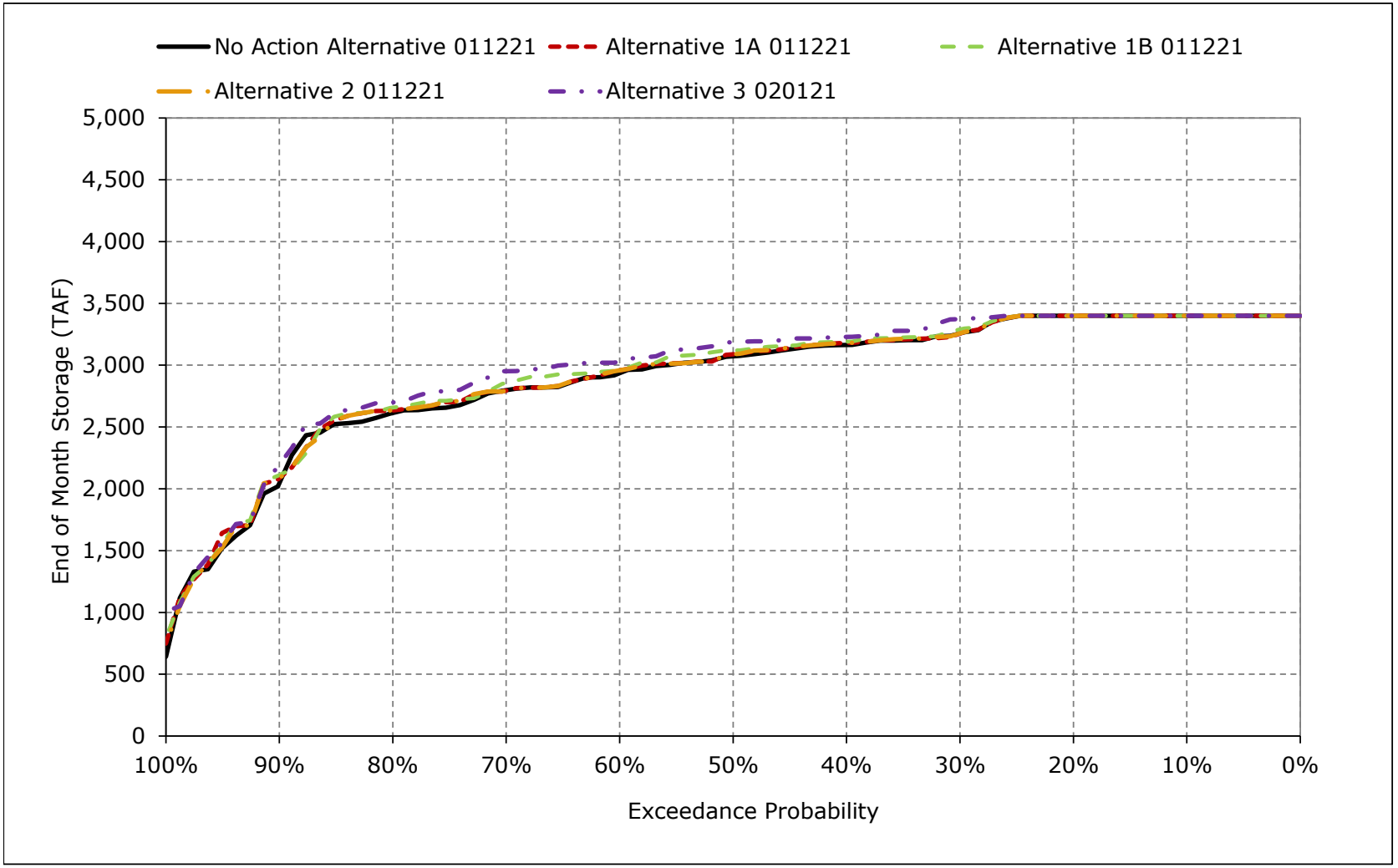


Table 5B2-8-1a. Shasta Lake Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,064	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,036	1,049	1,065	1,067	1,059	1,040	1,025	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,031	1,017	1,013
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,049	1,027	1,014	1,009
60%	1,000	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,005	1,003
70%	993	995	1,000	1,013	1,019	1,031	1,051	1,046	1,035	1,012	999	997
80%	985	981	986	1,001	1,015	1,024	1,046	1,036	1,022	1,006	992	989
90%	953	944	970	981	987	1,000	1,010	998	989	975	962	958
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,049	1,038	1,019	1,005	999
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,019	1,029	1,048	1,065	1,065	1,055	1,032	1,018	1,010
Below Normal (17%)	1,004	1,005	1,008	1,013	1,026	1,042	1,058	1,058	1,046	1,024	1,011	1,007
Dry (22%)	991	993	1,001	1,004	1,021	1,039	1,048	1,044	1,028	1,009	997	995
Critical (15%)	933	930	941	983	991	1,001	1,004	996	980	960	944	941

Table 5B2-8-1b. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,065	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,037	1,049	1,065	1,067	1,059	1,039	1,026	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,032	1,017	1,014
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,050	1,027	1,015	1,010
60%	999	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,006	1,004
70%	992	995	1,000	1,012	1,019	1,031	1,051	1,047	1,036	1,013	1,001	997
80%	987	982	986	1,002	1,015	1,024	1,046	1,040	1,022	1,006	994	990
90%	953	947	970	976	987	1,003	1,011	1,005	993	981	966	961
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,050	1,039	1,020	1,006	1,000
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,020	1,029	1,048	1,065	1,066	1,055	1,033	1,018	1,011
Below Normal (17%)	1,005	1,006	1,008	1,013	1,026	1,041	1,059	1,059	1,047	1,025	1,011	1,007
Dry (22%)	991	993	1,001	1,004	1,021	1,039	1,048	1,044	1,030	1,010	997	995
Critical (15%)	934	931	943	984	993	1,002	1,005	999	983	964	948	944

Table 5B2-8-1c. Shasta Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	1	0	0	0
30%	0	0	0	0	1	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	1	0	1
50%	0	1	0	0	0	0	0	0	0	0	1	1
60%	-1	0	0	0	0	0	0	1	0	0	1	1
70%	-1	1	0	-1	0	0	0	0	1	1	1	0
80%	2	0	0	1	1	0	0	3	0	0	1	1
90%	0	3	0	-5	0	3	1	7	5	6	4	2
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	1	1	1	1	1
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	1	0	0	0
Dry (22%)	0	0	0	0	0	0	0	1	2	1	1	0
Critical (15%)	1	1	2	1	1	1	1	3	3	4	4	3

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 5B2-8-2a. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,064	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,036	1,049	1,065	1,067	1,059	1,040	1,025	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,031	1,017	1,013
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,049	1,027	1,014	1,009
60%	1,000	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,005	1,003
70%	993	995	1,000	1,013	1,019	1,031	1,051	1,046	1,035	1,012	999	997
80%	985	981	986	1,001	1,015	1,024	1,046	1,036	1,022	1,006	992	989
90%	953	944	970	981	987	1,000	1,010	998	989	975	962	958
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,049	1,038	1,019	1,005	999
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,019	1,029	1,048	1,065	1,065	1,055	1,032	1,018	1,010
Below Normal (17%)	1,004	1,005	1,008	1,013	1,026	1,042	1,058	1,058	1,046	1,024	1,011	1,007
Dry (22%)	991	993	1,001	1,004	1,021	1,039	1,048	1,044	1,028	1,009	997	995
Critical (15%)	933	930	941	983	991	1,001	1,004	996	980	960	944	941

Table 5B2-8-2b. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,045	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,065	1,047	1,036	1,023
30%	1,017	1,015	1,020	1,029	1,037	1,049	1,065	1,067	1,060	1,041	1,026	1,019
40%	1,014	1,012	1,018	1,025	1,034	1,047	1,063	1,067	1,055	1,033	1,019	1,014
50%	1,008	1,007	1,016	1,021	1,030	1,046	1,058	1,064	1,051	1,029	1,016	1,011
60%	1,001	1,004	1,012	1,017	1,026	1,043	1,055	1,059	1,044	1,021	1,008	1,005
70%	994	996	1,000	1,013	1,018	1,032	1,052	1,047	1,037	1,016	1,003	1,000
80%	988	985	987	1,003	1,016	1,024	1,047	1,039	1,025	1,005	994	991
90%	953	947	970	977	988	1,004	1,011	1,006	994	982	967	962
Long Term												
Full Simulation Period[a]	995	995	1,001	1,012	1,023	1,036	1,050	1,050	1,040	1,021	1,007	1,000
Water Year Types[b,c]												
Wet (32%)	1,014	1,014	1,018	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,007	1,005	1,012	1,020	1,030	1,048	1,065	1,066	1,057	1,035	1,021	1,012
Below Normal (17%)	1,006	1,006	1,009	1,014	1,026	1,042	1,059	1,059	1,048	1,026	1,013	1,009
Dry (22%)	993	993	1,002	1,005	1,022	1,040	1,049	1,046	1,031	1,011	998	996
Critical (15%)	934	932	943	984	993	1,003	1,006	1,000	984	965	948	944

Table 5B2-8-2c. Shasta Lake 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%	0	0	0	0	1	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	1	1	0	0
30%	0	0	0	0	1	0	0	0	1	1	1	1
40%	3	0	0	1	0	0	0	0	2	2	2	1
50%	1	1	0	1	1	0	0	1	2	2	3	2
60%	1	1	1	0	0	0	0	1	2	2	3	1
70%	1	2	1	0	0	1	1	1	1	4	4	3
80%	3	3	2	2	1	0	1	3	4	-1	2	2
90%	0	4	0	-5	1	4	0	8	6	8	5	4
Long Term												
Full Simulation Period[a]	1	1	1	1	0	0	1	1	2	2	2	1
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	2	2	1	1	0	0	0	0	2	3	3	2
Below Normal (17%)	2	1	1	0	0	0	0	1	2	2	2	2
Dry (22%)	1	0	0	1	1	1	1	2	3	2	1	1
Critical (15%)	2	2	2	1	2	1	1	4	4	5	4	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.

Table 5B2-8-3a. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,064	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,036	1,049	1,065	1,067	1,059	1,040	1,025	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,031	1,017	1,013
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,049	1,027	1,014	1,009
60%	1,000	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,005	1,003
70%	993	995	1,000	1,013	1,019	1,031	1,051	1,046	1,035	1,012	999	997
80%	985	981	986	1,001	1,015	1,024	1,046	1,036	1,022	1,006	992	989
90%	953	944	970	981	987	1,000	1,010	998	989	975	962	958
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,049	1,038	1,019	1,005	999
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,019	1,029	1,048	1,065	1,065	1,055	1,032	1,018	1,010
Below Normal (17%)	1,004	1,005	1,008	1,013	1,026	1,042	1,058	1,058	1,046	1,024	1,011	1,007
Dry (22%)	991	993	1,001	1,004	1,021	1,039	1,048	1,044	1,028	1,009	997	995
Critical (15%)	933	930	941	983	991	1,001	1,004	996	980	960	944	941

Table 5B2-8-3b. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,065	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,037	1,049	1,065	1,067	1,059	1,039	1,026	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,032	1,017	1,014
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,050	1,027	1,015	1,010
60%	1,000	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,006	1,004
70%	992	995	1,001	1,013	1,019	1,031	1,051	1,047	1,037	1,013	1,001	997
80%	987	982	986	1,001	1,015	1,024	1,046	1,040	1,022	1,006	994	990
90%	954	947	969	977	987	1,003	1,009	1,005	993	981	966	961
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,050	1,039	1,020	1,006	999
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,020	1,029	1,048	1,065	1,066	1,055	1,033	1,018	1,011
Below Normal (17%)	1,004	1,005	1,008	1,013	1,026	1,041	1,058	1,058	1,046	1,025	1,011	1,007
Dry (22%)	991	994	1,001	1,004	1,021	1,040	1,048	1,045	1,030	1,010	997	995
Critical (15%)	933	930	942	984	992	1,002	1,005	999	983	964	947	943

Table 5B2-8-3c. Shasta Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	1	0	0	0
30%	0	0	0	0	1	0	0	0	0	-1	0	0
40%	0	0	0	0	0	0	0	0	0	1	0	1
50%	0	1	0	0	0	0	0	0	1	0	1	1
60%	-1	1	0	0	0	0	0	1	0	0	0	1
70%	-1	1	1	0	0	0	0	0	1	1	1	0
80%	2	0	0	0	1	0	0	4	0	0	1	1
90%	1	3	-1	-4	0	3	-1	7	5	6	4	2
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	1	1	1	1	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	1	0	0	0	0	0	0	1	0
Below Normal (17%)	0	0	0	-1	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	1	2	1	1	0
Critical (15%)	0	0	1	1	1	0	1	2	3	3	3	2

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 5B2-8-4a. Shasta Lake 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%	1,017	1,017	1,022	1,034	1,044	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,052	1,067	1,067	1,064	1,046	1,036	1,023
30%	1,017	1,014	1,020	1,029	1,036	1,049	1,065	1,067	1,059	1,040	1,025	1,017
40%	1,011	1,012	1,018	1,024	1,034	1,047	1,063	1,067	1,054	1,031	1,017	1,013
50%	1,007	1,006	1,016	1,020	1,029	1,046	1,058	1,063	1,049	1,027	1,014	1,009
60%	1,000	1,003	1,011	1,017	1,025	1,043	1,054	1,058	1,042	1,019	1,005	1,003
70%	993	995	1,000	1,013	1,019	1,031	1,051	1,046	1,035	1,012	999	997
80%	985	981	986	1,001	1,015	1,024	1,046	1,036	1,022	1,006	992	989
90%	953	944	970	981	987	1,000	1,010	998	989	975	962	958
Long Term												
Full Simulation Period[a]	994	994	1,000	1,012	1,022	1,036	1,050	1,049	1,038	1,019	1,005	999
Water Year Types[b,c]												
Wet (32%)	1,014	1,013	1,017	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,006	1,003	1,011	1,019	1,029	1,048	1,065	1,065	1,055	1,032	1,018	1,010
Below Normal (17%)	1,004	1,005	1,008	1,013	1,026	1,042	1,058	1,058	1,046	1,024	1,011	1,007
Dry (22%)	991	993	1,001	1,004	1,021	1,039	1,048	1,044	1,028	1,009	997	995
Critical (15%)	933	930	941	983	991	1,001	1,004	996	980	960	944	941

Table 5B2-8-4b. Shasta Lake 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%	1,017	1,017	1,021	1,034	1,045	1,056	1,067	1,067	1,065	1,053	1,036	1,023
20%	1,017	1,017	1,021	1,032	1,040	1,053	1,067	1,067	1,065	1,048	1,036	1,023
30%	1,017	1,015	1,020	1,030	1,037	1,050	1,065	1,067	1,061	1,042	1,028	1,022
40%	1,016	1,013	1,018	1,027	1,035	1,048	1,063	1,067	1,057	1,035	1,022	1,016
50%	1,009	1,009	1,016	1,022	1,031	1,046	1,059	1,064	1,052	1,031	1,017	1,014
60%	1,005	1,006	1,013	1,017	1,026	1,043	1,055	1,060	1,048	1,023	1,010	1,007
70%	997	1,000	1,003	1,015	1,019	1,033	1,052	1,049	1,038	1,018	1,006	1,004
80%	990	987	989	1,003	1,016	1,024	1,048	1,041	1,028	1,010	998	993
90%	956	949	976	985	991	1,004	1,014	1,008	999	987	972	967
Long Term												
Full Simulation Period[a]	997	996	1,002	1,013	1,023	1,037	1,051	1,051	1,041	1,023	1,009	1,003
Water Year Types[b,c]												
Wet (32%)	1,014	1,014	1,018	1,026	1,032	1,042	1,060	1,065	1,061	1,045	1,031	1,019
Above Normal (15%)	1,009	1,006	1,013	1,022	1,030	1,048	1,065	1,066	1,057	1,037	1,025	1,015
Below Normal (17%)	1,008	1,008	1,010	1,014	1,026	1,042	1,059	1,060	1,050	1,029	1,015	1,011
Dry (22%)	996	997	1,003	1,007	1,023	1,041	1,050	1,047	1,033	1,014	1,002	1,000
Critical (15%)	937	935	946	985	994	1,004	1,007	1,002	986	967	951	947

Table 5B2-8-4c. Shasta Lake 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%	0	0	0	0	1	0	0	0	0	0	0	0
20%	0	0	0	1	0	1	0	0	1	2	0	0
30%	0	1	0	1	1	1	0	0	2	2	2	5
40%	4	1	0	3	1	0	1	0	3	4	5	3
50%	2	3	1	2	2	0	1	1	3	4	4	5
60%	4	4	2	0	1	0	1	3	6	3	5	4
70%	4	5	3	3	0	2	1	2	3	6	6	7
80%	5	6	3	2	1	0	3	5	6	4	5	4
90%	3	6	5	4	4	4	3	10	10	12	10	8
Long Term												
Full Simulation Period[a]	3	3	2	2	1	1	1	2	3	4	4	4
Water Year Types[b,c]												
Wet (32%)	0	0	0	1	0	0	0	0	0	0	0	0
Above Normal (15%)	4	3	2	3	0	0	0	0	2	4	7	5
Below Normal (17%)	3	3	2	1	0	0	0	1	4	4	5	4
Dry (22%)	5	4	2	2	2	2	2	3	5	5	5	5
Critical (15%)	5	5	5	2	3	3	3	5	6	7	7	7

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 5B2-8-1. Shasta Lake Elevation, October

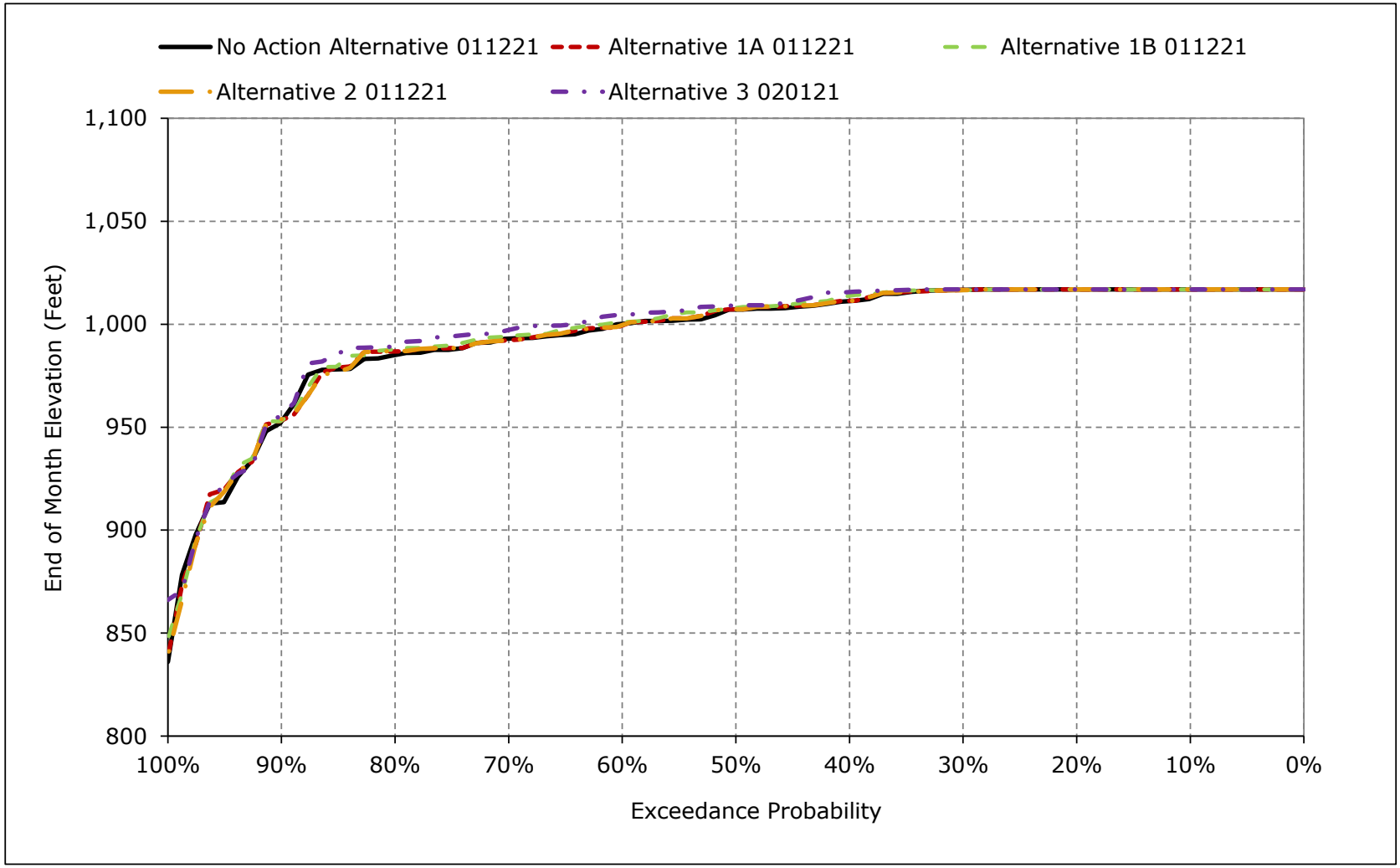


Figure 5B2-8-2. Shasta Lake Elevation, November

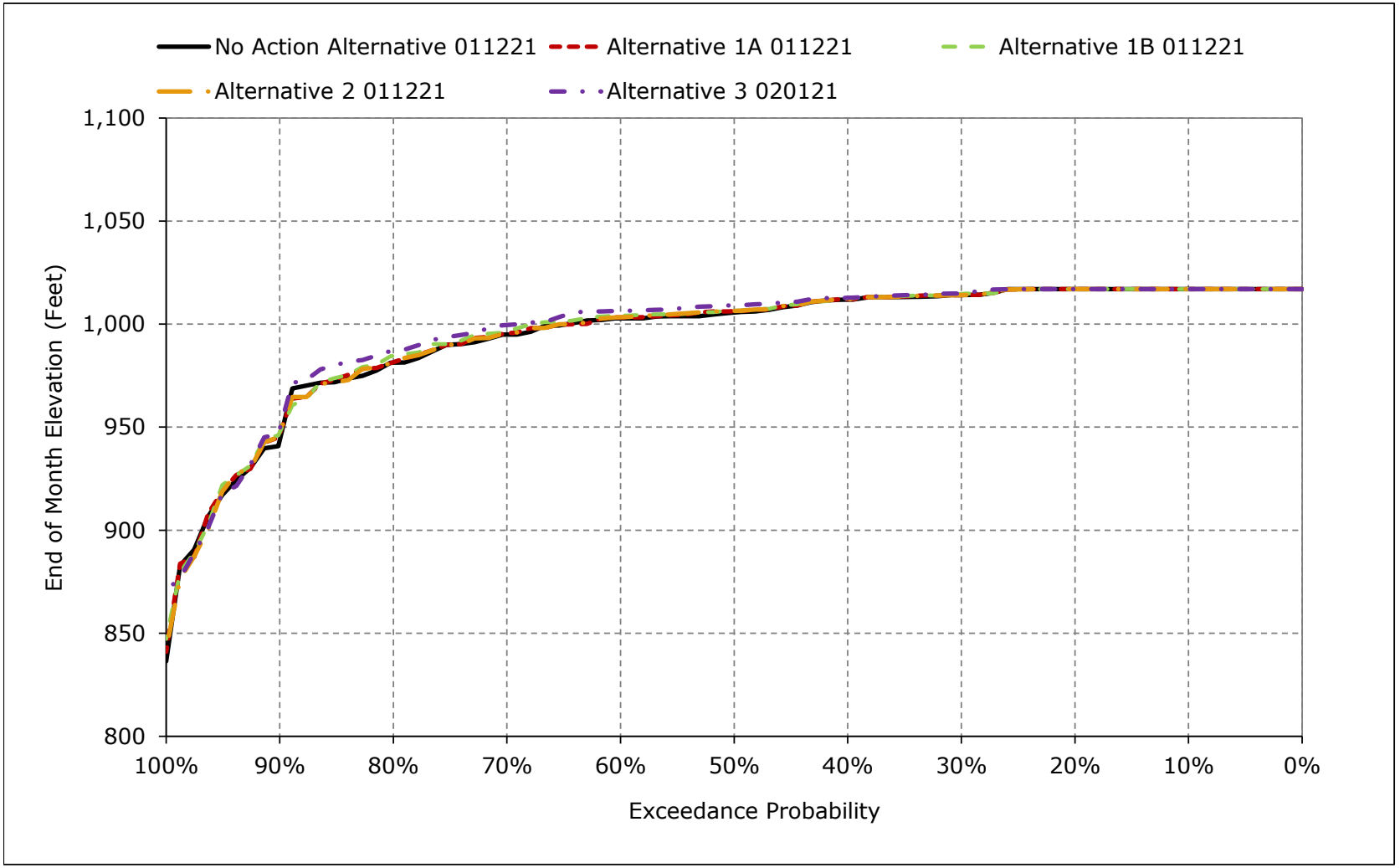


Figure 5B2-8-3. Shasta Lake Elevation, December

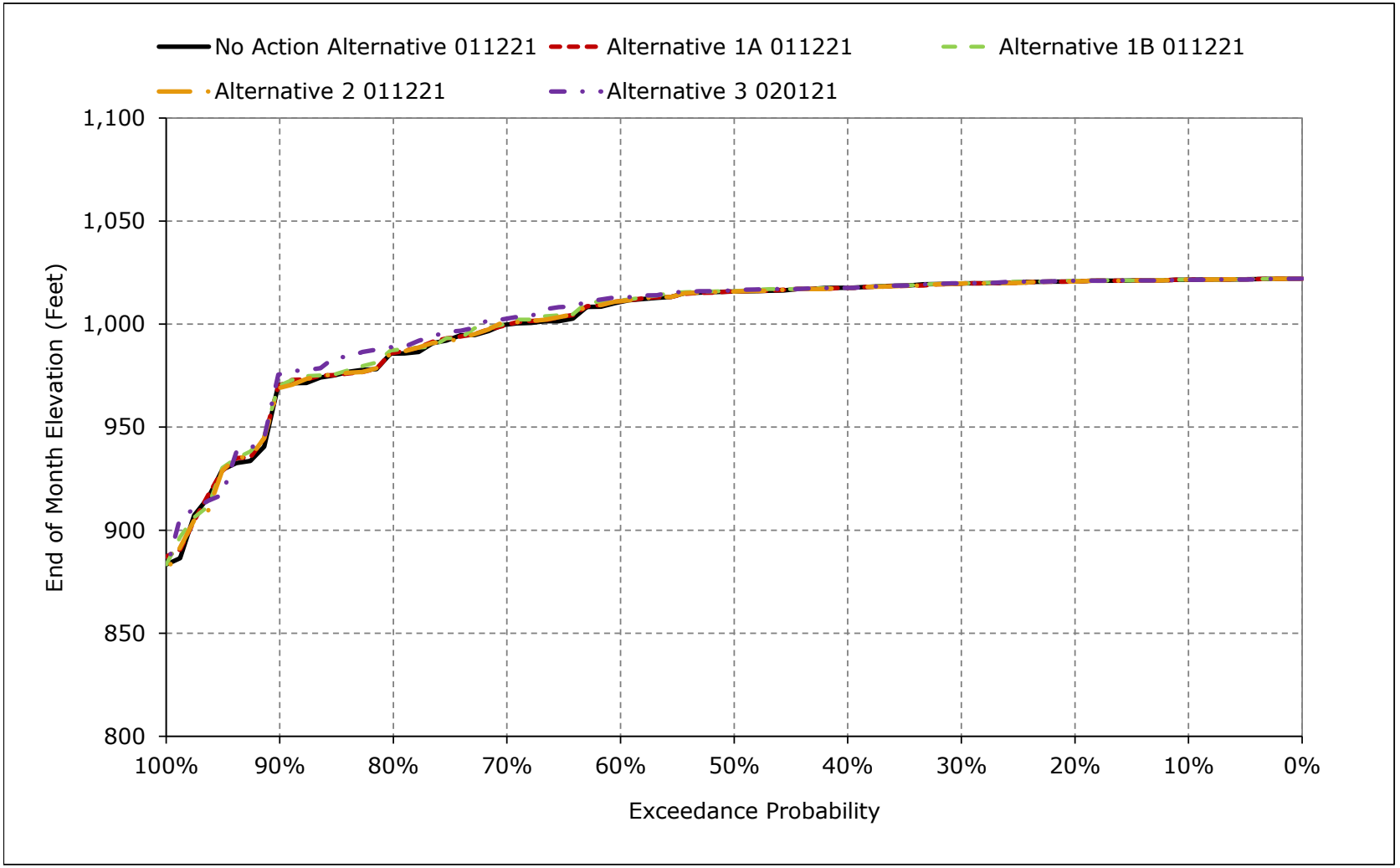


Figure 5B2-8-4. Shasta Lake Elevation, January

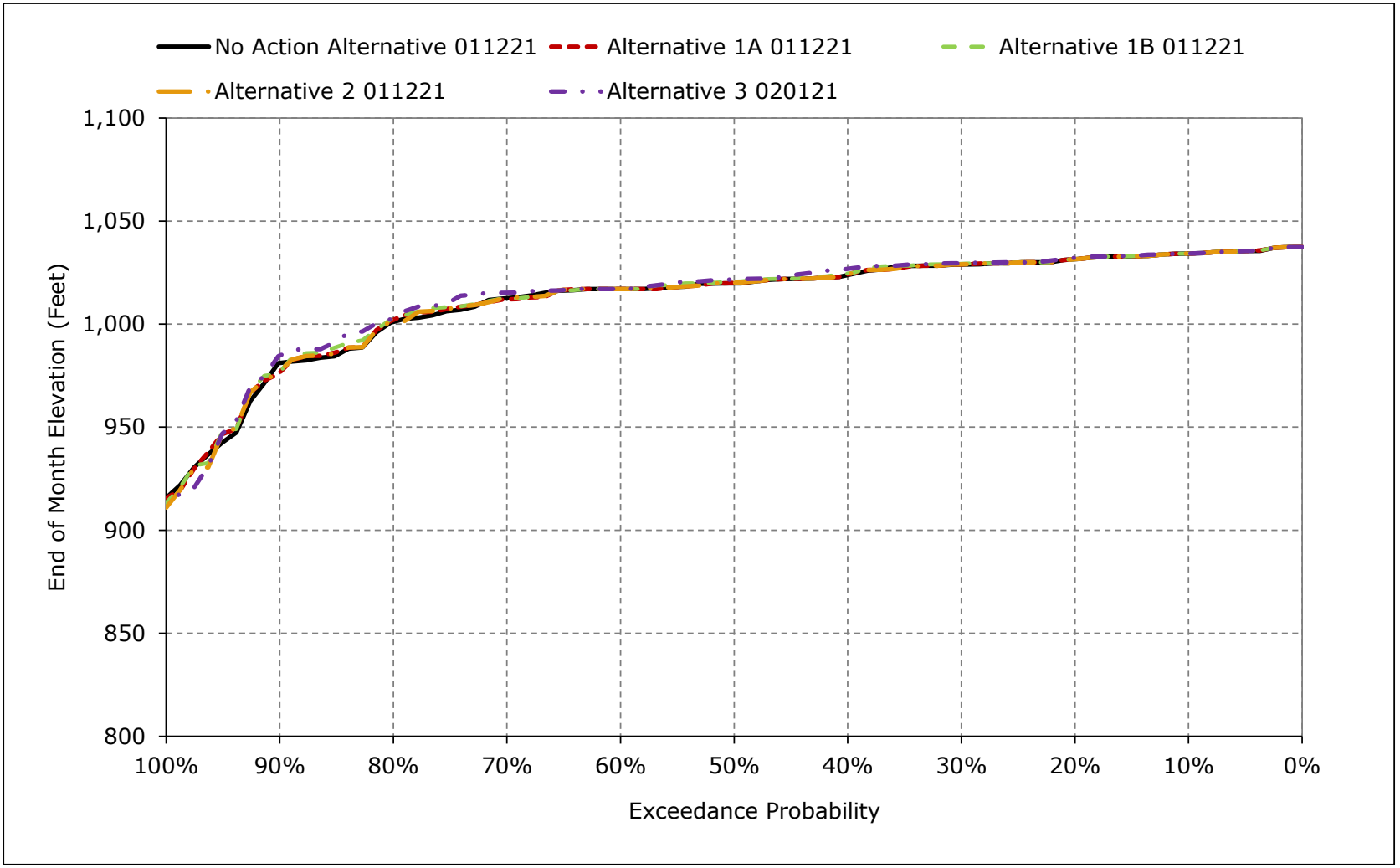


Figure 5B2-8-5. Shasta Lake Elevation, February

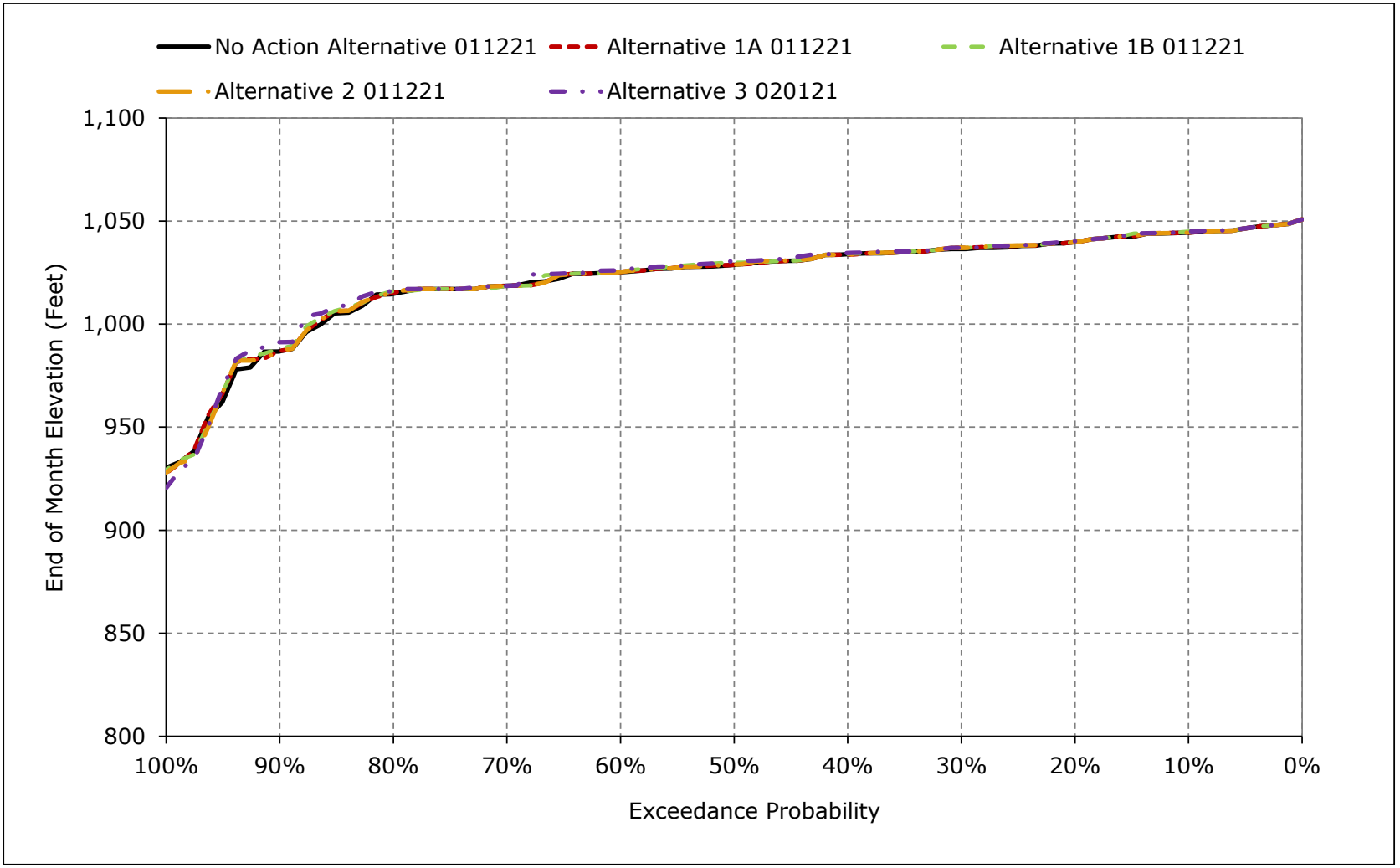


Figure 5B2-8-6. Shasta Lake Elevation, March

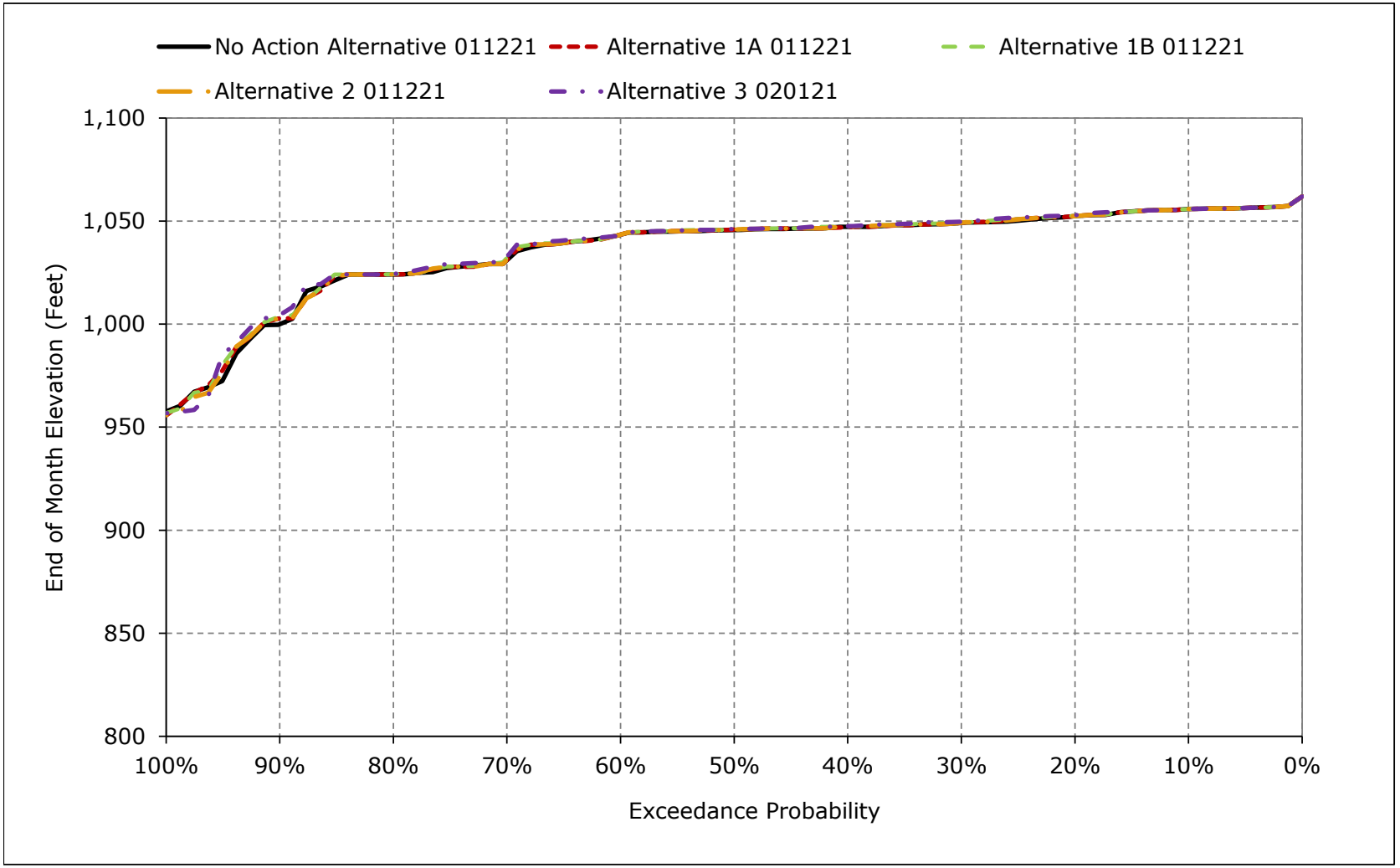


Figure 5B2-8-7. Shasta Lake Elevation, April

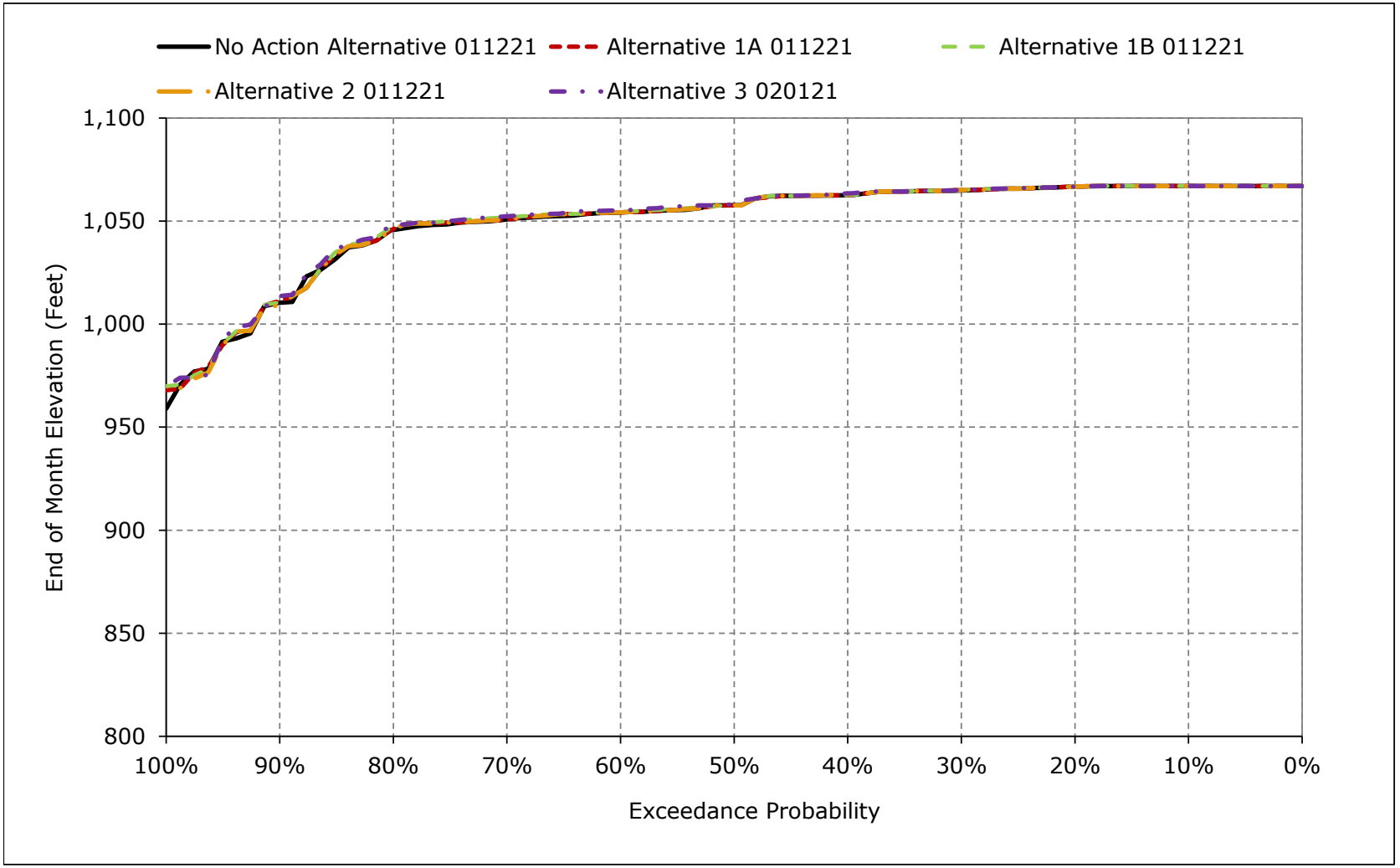


Figure 5B2-8-8. Shasta Lake Elevation, May

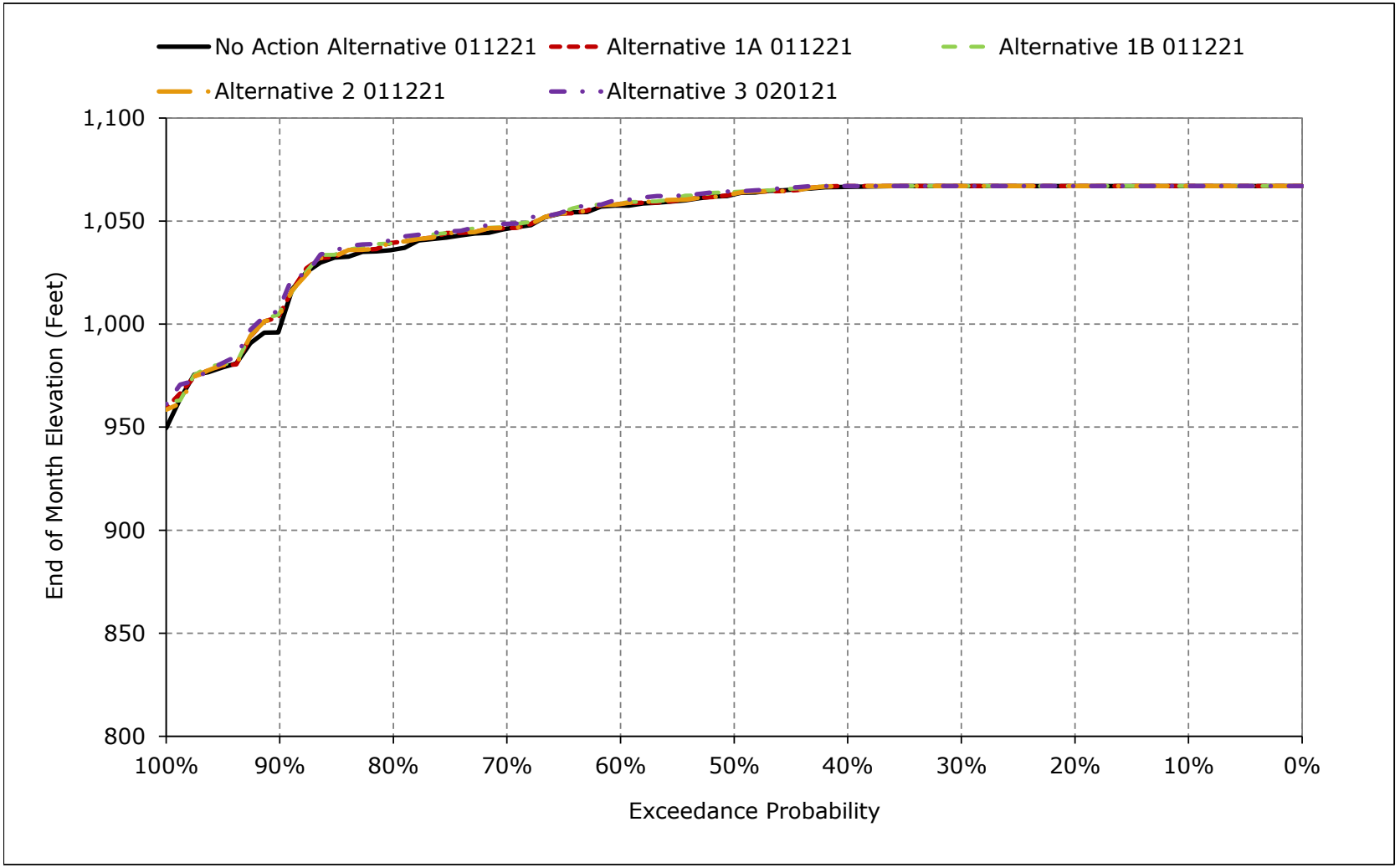


Figure 5B2-8-9. Shasta Lake Elevation, June

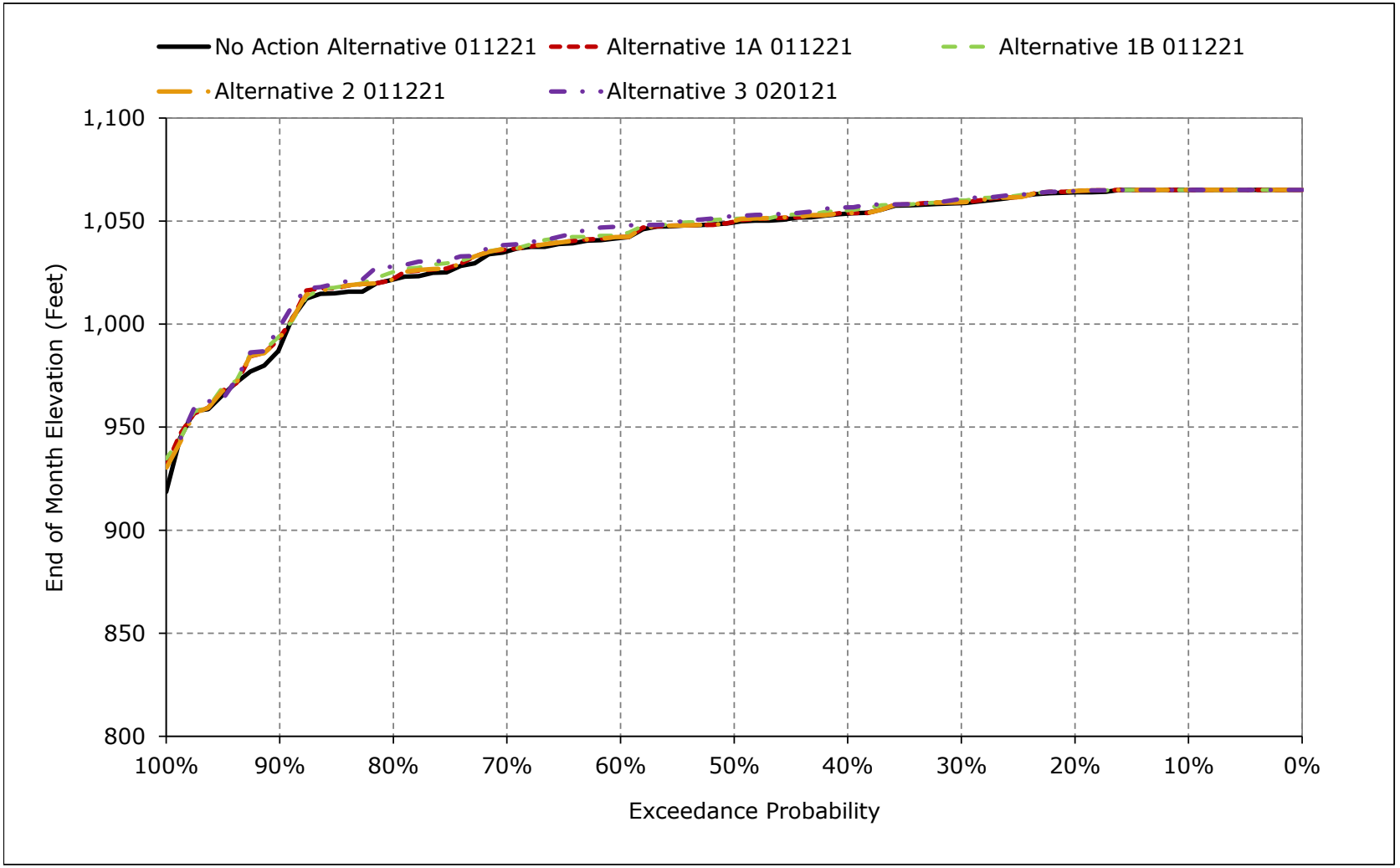


Figure 5B2-8-10. Shasta Lake Elevation, July

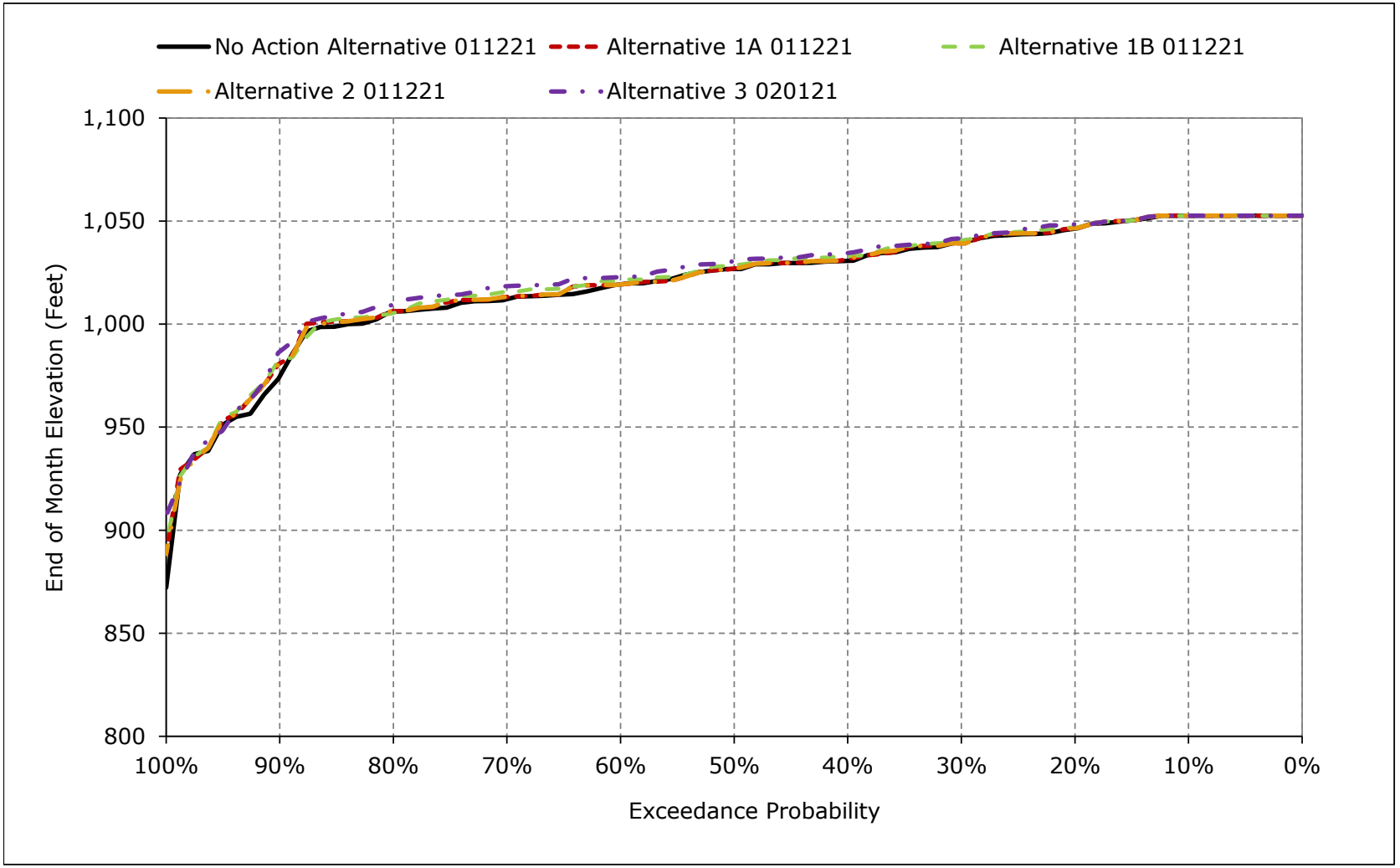


Figure 5B2-8-11. Shasta Lake Elevation, August

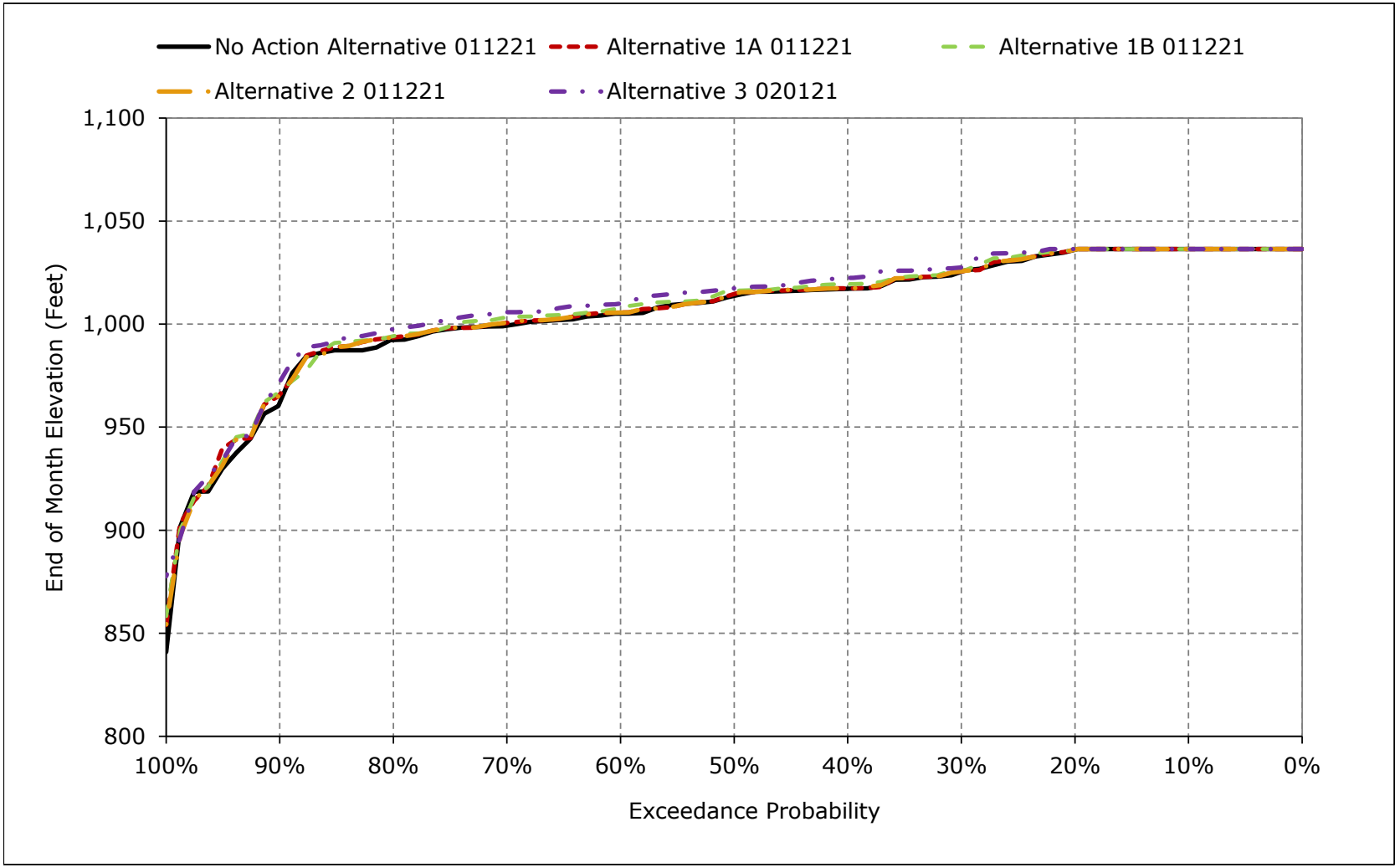


Figure 5B2-8-12. Shasta Lake Elevation, September

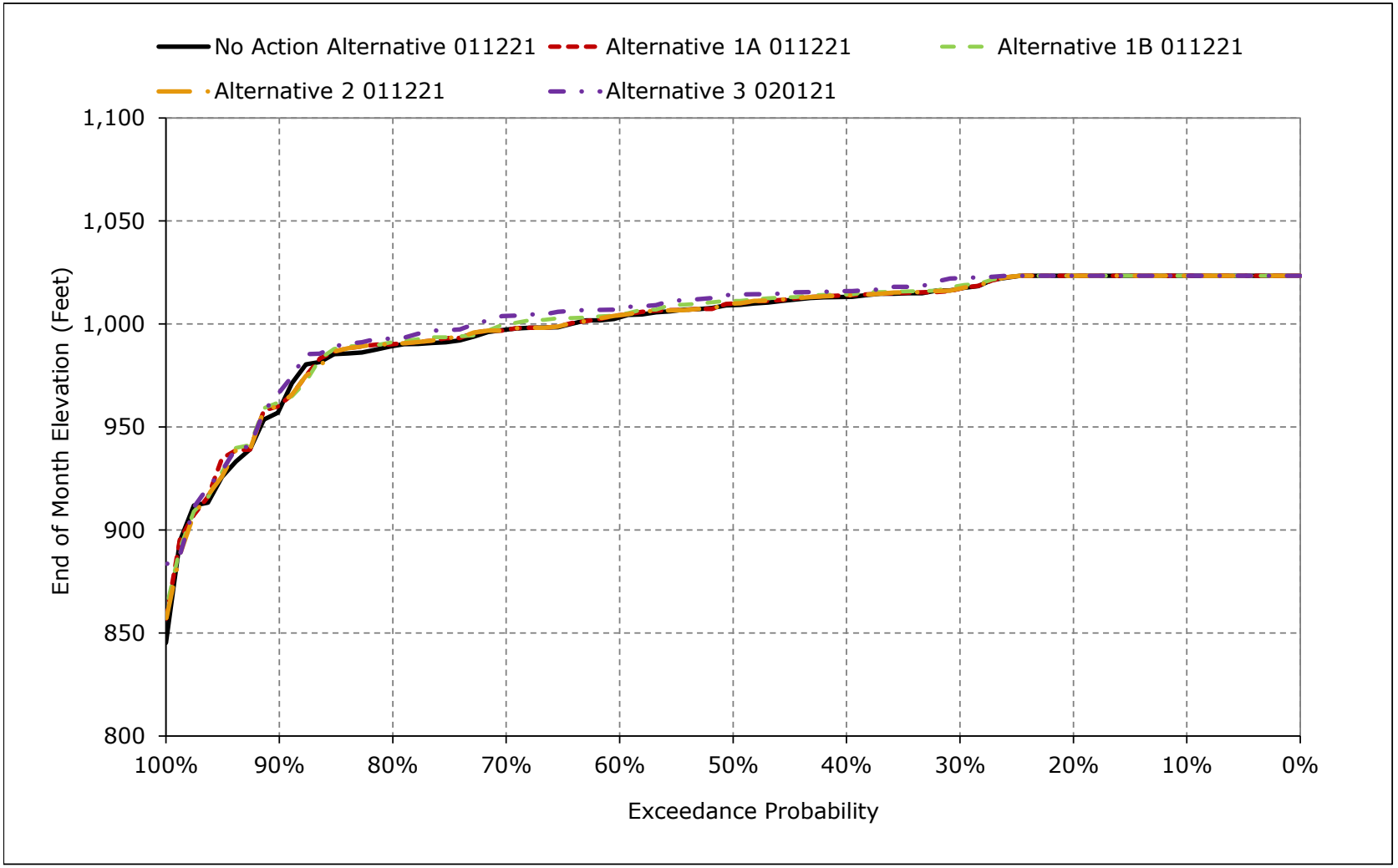


Table 5B2-9-1a. Shasta Lake Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	23,927	23,937	24,498	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,248	29,968	30,000	29,636	27,519	26,287	24,728
30%	23,901	23,591	24,270	25,406	26,331	27,855	29,737	30,000	29,006	26,729	24,974	23,968
40%	23,227	23,316	24,024	24,776	26,022	27,631	29,478	29,953	28,395	25,622	23,963	23,466
50%	22,723	22,541	23,792	24,284	25,385	27,438	28,883	29,516	27,883	25,138	23,535	22,973
60%	21,869	22,189	23,176	23,937	24,951	27,172	28,460	28,862	26,978	24,225	22,476	22,252
70%	20,984	21,218	21,820	23,389	24,136	25,672	28,061	27,521	26,190	23,338	21,761	21,509
80%	20,008	19,626	20,086	21,983	23,663	24,817	27,449	26,291	24,510	22,599	20,897	20,531
90%	16,717	15,769	18,517	19,610	20,228	21,843	23,126	21,609	20,442	18,943	17,636	17,282
Long Term												
Full Simulation Period[a]	21,388	21,353	22,060	23,391	24,619	26,281	27,905	27,850	26,593	24,328	22,671	21,925
Water Year Types[b,c]												
Wet (32%)	23,571	23,486	23,961	25,002	25,763	26,932	29,127	29,732	29,243	27,324	25,625	24,213
Above Normal (15%)	22,573	22,247	23,197	24,261	25,445	27,695	29,770	29,818	28,576	25,838	24,020	23,130
Below Normal (17%)	22,373	22,518	22,888	23,629	25,092	26,956	28,974	28,944	27,475	24,852	23,150	22,718
Dry (22%)	20,862	21,110	22,101	22,518	24,456	26,674	27,698	27,185	25,345	22,992	21,481	21,254
Critical (15%)	15,115	14,841	15,777	20,061	21,006	22,079	22,454	21,523	19,713	17,721	16,147	15,846

Table 5B2-9-1b. Shasta Lake 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%	23,927	23,937	24,507	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,251	29,968	30,000	29,713	27,540	26,295	24,728
30%	23,893	23,585	24,270	25,423	26,403	27,865	29,767	30,000	29,063	26,670	25,003	23,957
40%	23,249	23,331	24,013	24,811	25,996	27,612	29,482	30,000	28,426	25,731	23,984	23,559
50%	22,737	22,622	23,800	24,313	25,392	27,464	28,873	29,549	27,928	25,167	23,645	23,064
60%	21,772	22,245	23,222	23,937	24,968	27,172	28,474	28,959	27,033	24,212	22,543	22,372
70%	20,886	21,290	21,801	23,322	24,136	25,701	28,061	27,549	26,306	23,466	21,923	21,500
80%	20,219	19,647	20,130	22,097	23,734	24,817	27,503	26,702	24,554	22,625	21,050	20,636
90%	16,756	16,099	18,495	19,132	20,248	22,175	23,242	22,421	21,029	19,582	18,041	17,515
Long Term												
Full Simulation Period[a]	21,420	21,391	22,093	23,413	24,643	26,304	27,933	27,935	26,711	24,430	22,765	21,993
Water Year Types[b,c]												
Wet (32%)	23,578	23,500	23,984	25,009	25,762	26,932	29,132	29,740	29,264	27,333	25,634	24,222
Above Normal (15%)	22,598	22,269	23,223	24,315	25,458	27,698	29,770	29,835	28,604	25,880	24,081	23,182
Below Normal (17%)	22,426	22,550	22,911	23,596	25,084	26,949	28,976	28,984	27,543	24,894	23,202	22,762
Dry (22%)	20,873	21,140	22,062	22,519	24,473	26,712	27,747	27,294	25,548	23,145	21,560	21,273
Critical (15%)	15,211	14,966	15,959	20,180	21,142	22,186	22,562	21,859	20,058	18,075	16,533	16,157

Table 5B2-9-1c. Shasta Lake 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%	0	0	9	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	3	0	0	77	21	7	0
30%	-9	-7	-1	17	72	11	30	0	58	-59	30	-11
40%	22	15	-10	35	-25	-19	4	47	31	109	21	93
50%	13	82	8	29	7	26	-9	33	45	29	110	91
60%	-97	57	46	0	16	1	14	97	54	-13	67	121
70%	-98	72	-18	-67	0	29	0	28	116	129	163	-9
80%	211	21	44	114	70	0	55	411	44	26	153	105
90%	39	330	-22	-478	20	332	116	811	587	639	405	234
Long Term												
Full Simulation Period[a]	31	38	34	22	24	23	29	85	117	102	94	68
Water Year Types[b,c]												
Wet (32%)	7	14	24	8	0	0	5	9	21	9	9	8
Above Normal (15%)	24	21	26	53	13	3	0	17	28	42	61	52
Below Normal (17%)	53	32	23	-32	-7	-7	2	40	68	41	51	45
Dry (22%)	11	30	-38	1	18	38	49	109	203	153	79	19
Critical (15%)	96	125	182	119	136	107	108	336	345	354	386	311

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 5B2-9-2a. Shasta Lake 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%	23,927	23,937	24,498	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,248	29,968	30,000	29,636	27,519	26,287	24,728
30%	23,901	23,591	24,270	25,406	26,331	27,855	29,737	30,000	29,006	26,729	24,974	23,968
40%	23,227	23,316	24,024	24,776	26,022	27,631	29,478	29,953	28,395	25,622	23,963	23,466
50%	22,723	22,541	23,792	24,284	25,385	27,438	28,883	29,516	27,883	25,138	23,535	22,973
60%	21,869	22,189	23,176	23,937	24,951	27,172	28,460	28,862	26,978	24,225	22,476	22,252
70%	20,984	21,218	21,820	23,389	24,136	25,672	28,061	27,521	26,190	23,338	21,761	21,509
80%	20,008	19,626	20,086	21,983	23,663	24,817	27,449	26,291	24,510	22,599	20,897	20,531
90%	16,717	15,769	18,517	19,610	20,228	21,843	23,126	21,609	20,442	18,943	17,636	17,282
Long Term												
Full Simulation Period[a]	21,388	21,353	22,060	23,391	24,619	26,281	27,905	27,850	26,593	24,328	22,671	21,925
Water Year Types[b,c]												
Wet (32%)	23,571	23,486	23,961	25,002	25,763	26,932	29,127	29,732	29,243	27,324	25,625	24,213
Above Normal (15%)	22,573	22,247	23,197	24,261	25,445	27,695	29,770	29,818	28,576	25,838	24,020	23,130
Below Normal (17%)	22,373	22,518	22,888	23,629	25,092	26,956	28,974	28,944	27,475	24,852	23,150	22,718
Dry (22%)	20,862	21,110	22,101	22,518	24,456	26,674	27,698	27,185	25,345	22,992	21,481	21,254
Critical (15%)	15,115	14,841	15,777	20,061	21,006	22,079	22,454	21,523	19,713	17,721	16,147	15,846

Table 5B2-9-2b. Shasta Lake 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%	23,927	23,937	24,504	26,062	27,350	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,438	25,730	26,733	28,260	29,968	30,000	29,713	27,590	26,300	24,728
30%	23,883	23,652	24,283	25,455	26,403	27,895	29,767	30,000	29,171	26,836	25,073	24,137
40%	23,540	23,377	24,013	24,866	26,038	27,656	29,481	30,000	28,584	25,904	24,242	23,609
50%	22,824	22,656	23,834	24,382	25,523	27,464	28,873	29,660	28,098	25,376	23,844	23,231
60%	21,966	22,354	23,269	23,937	24,985	27,176	28,502	28,994	27,186	24,455	22,824	22,401
70%	21,124	21,414	21,905	23,387	24,105	25,815	28,180	27,653	26,352	23,769	22,238	21,831
80%	20,350	19,966	20,291	22,177	23,802	24,828	27,612	26,680	24,954	22,511	21,127	20,758
90%	16,763	16,169	18,497	19,147	20,378	22,286	23,178	22,547	21,164	19,735	18,194	17,666
Long Term												
Full Simulation Period[a]	21,514	21,452	22,148	23,467	24,676	26,331	27,963	27,988	26,799	24,544	22,875	22,082
Water Year Types[b,c]												
Wet (32%)	23,578	23,526	24,011	25,024	25,762	26,932	29,132	29,740	29,264	27,333	25,634	24,219
Above Normal (15%)	22,763	22,442	23,330	24,374	25,490	27,709	29,770	29,837	28,779	26,172	24,388	23,375
Below Normal (17%)	22,576	22,641	22,975	23,652	25,095	26,958	28,984	29,067	27,679	25,089	23,400	22,938
Dry (22%)	21,020	21,152	22,130	22,641	24,573	26,787	27,850	27,427	25,658	23,238	21,662	21,387
Critical (15%)	15,295	15,030	15,995	20,211	21,172	22,233	22,605	21,927	20,166	18,195	16,592	16,206

Table 5B2-9-2c. Shasta Lake 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%	0	0	6	0	64	0	0	0	0	0	0	0
20%	0	0	45	0	0	12	0	0	77	71	12	0
30%	-18	60	13	49	72	40	30	0	165	107	100	168
40%	313	61	-10	90	16	25	3	47	189	282	279	143
50%	101	115	42	98	138	26	-9	144	215	239	309	258
60%	97	165	93	0	34	5	42	132	208	230	348	150
70%	140	196	85	-2	-31	143	119	132	162	432	477	322
80%	342	340	205	194	139	11	163	389	444	-89	230	227
90%	46	400	-21	-463	150	442	52	938	722	792	557	385
Long Term												
Full Simulation Period[a]	126	99	89	76	57	50	59	139	206	216	204	157
Water Year Types[b,c]												
Wet (32%)	7	39	50	22	0	0	5	9	21	9	9	5
Above Normal (15%)	189	194	133	113	45	14	0	19	202	334	368	246
Below Normal (17%)	203	123	87	24	3	2	10	123	204	237	249	221
Dry (22%)	158	42	29	122	117	113	152	242	313	246	181	133
Critical (15%)	180	190	218	150	166	153	152	404	452	474	445	360

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 5B2-9-3a. Shasta Lake 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%	23,927	23,937	24,498	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,248	29,968	30,000	29,636	27,519	26,287	24,728
30%	23,901	23,591	24,270	25,406	26,331	27,855	29,737	30,000	29,006	26,729	24,974	23,968
40%	23,227	23,316	24,024	24,776	26,022	27,631	29,478	29,953	28,395	25,622	23,963	23,466
50%	22,723	22,541	23,792	24,284	25,385	27,438	28,883	29,516	27,883	25,138	23,535	22,973
60%	21,869	22,189	23,176	23,937	24,951	27,172	28,460	28,862	26,978	24,225	22,476	22,252
70%	20,984	21,218	21,820	23,389	24,136	25,672	28,061	27,521	26,190	23,338	21,761	21,509
80%	20,008	19,626	20,086	21,983	23,663	24,817	27,449	26,291	24,510	22,599	20,897	20,531
90%	16,717	15,769	18,517	19,610	20,228	21,843	23,126	21,609	20,442	18,943	17,636	17,282
Long Term												
Full Simulation Period[a]	21,388	21,353	22,060	23,391	24,619	26,281	27,905	27,850	26,593	24,328	22,671	21,925
Water Year Types[b,c]												
Wet (32%)	23,571	23,486	23,961	25,002	25,763	26,932	29,127	29,732	29,243	27,324	25,625	24,213
Above Normal (15%)	22,573	22,247	23,197	24,261	25,445	27,695	29,770	29,818	28,576	25,838	24,020	23,130
Below Normal (17%)	22,373	22,518	22,888	23,629	25,092	26,956	28,974	28,944	27,475	24,852	23,150	22,718
Dry (22%)	20,862	21,110	22,101	22,518	24,456	26,674	27,698	27,185	25,345	22,992	21,481	21,254
Critical (15%)	15,115	14,841	15,777	20,061	21,006	22,079	22,454	21,523	19,713	17,721	16,147	15,846

Table 5B2-9-3b. Shasta Lake 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%	23,927	23,937	24,507	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,251	29,968	30,000	29,714	27,539	26,295	24,728
30%	23,889	23,585	24,270	25,423	26,403	27,865	29,767	30,000	29,063	26,668	25,006	23,968
40%	23,249	23,331	24,013	24,811	25,996	27,631	29,516	30,000	28,426	25,752	23,985	23,559
50%	22,736	22,637	23,799	24,313	25,393	27,464	28,877	29,550	27,962	25,167	23,638	23,064
60%	21,797	22,256	23,222	23,938	24,966	27,172	28,475	28,962	27,033	24,220	22,536	22,370
70%	20,886	21,290	21,959	23,397	24,136	25,701	28,061	27,568	26,344	23,477	21,942	21,500
80%	20,238	19,651	20,118	22,005	23,739	24,817	27,498	26,725	24,554	22,625	21,050	20,646
90%	16,829	16,122	18,378	19,193	20,263	22,187	23,015	22,410	21,026	19,580	18,041	17,516
Long Term												
Full Simulation Period[a]	21,406	21,380	22,078	23,404	24,636	26,297	27,925	27,928	26,705	24,426	22,751	21,978
Water Year Types[b,c]												
Wet (32%)	23,578	23,500	23,984	25,009	25,762	26,932	29,132	29,740	29,264	27,333	25,634	24,221
Above Normal (15%)	22,598	22,269	23,224	24,321	25,457	27,698	29,770	29,835	28,605	25,882	24,084	23,182
Below Normal (17%)	22,396	22,522	22,881	23,564	25,072	26,935	28,961	28,969	27,528	24,884	23,188	22,749
Dry (22%)	20,882	21,168	22,088	22,531	24,484	26,721	27,756	27,303	25,558	23,154	21,568	21,282
Critical (15%)	15,138	14,883	15,848	20,132	21,093	22,138	22,513	21,815	20,020	18,043	16,437	16,061

Table 5B2-9-3c. Shasta Lake 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%	0	0	9	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	3	0	0	78	20	7	0
30%	-12	-7	-1	17	72	11	30	0	58	-61	32	0
40%	22	15	-10	35	-25	0	38	47	31	130	22	93
50%	13	96	7	29	8	26	-6	34	79	29	104	91
60%	-72	68	46	0	15	1	14	99	55	-5	60	119
70%	-98	72	139	8	0	29	0	47	155	139	181	-9
80%	230	26	32	22	76	0	49	434	44	26	153	115
90%	112	353	-139	-417	34	344	-111	801	584	637	404	234
Long Term												
Full Simulation Period[a]	18	27	18	13	18	16	21	78	111	97	80	53
Water Year Types[b,c]												
Wet (32%)	7	14	23	8	0	0	5	9	21	9	9	8
Above Normal (15%)	25	22	27	59	13	3	0	17	28	44	63	52
Below Normal (17%)	23	5	-7	-64	-20	-21	-13	26	53	31	38	31
Dry (22%)	20	57	-13	13	29	47	58	118	213	162	87	28
Critical (15%)	23	42	71	71	87	58	59	292	307	322	290	214

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 5B2-9-4a. Shasta Lake 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%	23,927	23,937	24,498	26,062	27,286	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,394	25,730	26,733	28,248	29,968	30,000	29,636	27,519	26,287	24,728
30%	23,901	23,591	24,270	25,406	26,331	27,855	29,737	30,000	29,006	26,729	24,974	23,968
40%	23,227	23,316	24,024	24,776	26,022	27,631	29,478	29,953	28,395	25,622	23,963	23,466
50%	22,723	22,541	23,792	24,284	25,385	27,438	28,883	29,516	27,883	25,138	23,535	22,973
60%	21,869	22,189	23,176	23,937	24,951	27,172	28,460	28,862	26,978	24,225	22,476	22,252
70%	20,984	21,218	21,820	23,389	24,136	25,672	28,061	27,521	26,190	23,338	21,761	21,509
80%	20,008	19,626	20,086	21,983	23,663	24,817	27,449	26,291	24,510	22,599	20,897	20,531
90%	16,717	15,769	18,517	19,610	20,228	21,843	23,126	21,609	20,442	18,943	17,636	17,282
Long Term												
Full Simulation Period[a]	21,388	21,353	22,060	23,391	24,619	26,281	27,905	27,850	26,593	24,328	22,671	21,925
Water Year Types[b,c]												
Wet (32%)	23,571	23,486	23,961	25,002	25,763	26,932	29,127	29,732	29,243	27,324	25,625	24,213
Above Normal (15%)	22,573	22,247	23,197	24,261	25,445	27,695	29,770	29,818	28,576	25,838	24,020	23,130
Below Normal (17%)	22,373	22,518	22,888	23,629	25,092	26,956	28,974	28,944	27,475	24,852	23,150	22,718
Dry (22%)	20,862	21,110	22,101	22,518	24,456	26,674	27,698	27,185	25,345	22,992	21,481	21,254
Critical (15%)	15,115	14,841	15,777	20,061	21,006	22,079	22,454	21,523	19,713	17,721	16,147	15,846

Table 5B2-9-4b. Shasta Lake 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%	23,927	23,937	24,492	26,062	27,350	28,666	30,000	30,000	29,776	28,275	26,331	24,728
20%	23,927	23,937	24,431	25,803	26,782	28,314	29,968	30,000	29,713	27,773	26,331	24,728
30%	23,927	23,675	24,283	25,484	26,403	27,928	29,767	30,000	29,259	26,958	25,233	24,587
40%	23,768	23,424	24,013	25,150	26,101	27,668	29,575	30,000	28,762	26,096	24,604	23,815
50%	22,964	22,967	23,867	24,525	25,601	27,495	29,021	29,691	28,244	25,619	23,981	23,590
60%	22,411	22,636	23,446	23,938	25,098	27,176	28,590	29,194	27,660	24,654	23,077	22,767
70%	21,498	21,789	22,180	23,720	24,136	25,869	28,238	27,802	26,579	24,112	22,560	22,329
80%	20,564	20,264	20,473	22,225	23,832	24,838	27,754	26,899	25,291	23,033	21,547	20,983
90%	17,054	16,339	19,044	19,981	20,766	22,391	23,530	22,839	21,684	20,207	18,673	18,148
Long Term												
Full Simulation Period[a]	21,714	21,643	22,274	23,588	24,743	26,388	28,024	28,059	26,934	24,737	23,145	22,332
Water Year Types[b,c]												
Wet (32%)	23,578	23,523	24,006	25,073	25,762	26,932	29,132	29,740	29,264	27,334	25,634	24,222
Above Normal (15%)	22,999	22,635	23,454	24,576	25,487	27,709	29,770	29,837	28,848	26,358	24,895	23,738
Below Normal (17%)	22,797	22,829	23,084	23,745	25,158	27,014	29,020	29,108	27,908	25,394	23,743	23,249
Dry (22%)	21,421	21,560	22,374	22,810	24,724	26,895	27,957	27,580	25,916	23,608	22,114	21,855
Critical (15%)	15,565	15,318	16,242	20,367	21,333	22,398	22,817	22,135	20,365	18,414	16,849	16,475

Table 5B2-9-4c. Shasta Lake 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%	0	0	-6	0	64	0	0	0	0	0	0	0
20%	0	0	38	73	49	66	0	0	77	254	43	0
30%	25	84	13	78	72	74	30	0	253	230	259	619
40%	541	108	-10	374	80	37	97	47	367	474	640	349
50%	241	427	75	241	216	57	138	175	361	481	446	617
60%	542	447	269	0	146	5	130	332	682	429	601	516
70%	514	572	361	331	0	197	177	281	389	774	799	820
80%	556	638	387	242	168	21	305	608	781	433	651	452
90%	337	569	527	371	537	548	404	1,230	1,242	1,264	1,036	867
Long Term												
Full Simulation Period[a]	325	290	214	197	124	107	120	210	341	408	474	406
Water Year Types[b,c]												
Wet (32%)	8	37	45	72	0	0	5	9	21	10	9	8
Above Normal (15%)	425	387	258	314	43	14	0	19	271	521	874	608
Below Normal (17%)	424	311	196	116	66	58	46	165	433	542	593	532
Dry (22%)	559	450	274	291	268	221	259	395	571	616	633	601
Critical (15%)	449	477	465	305	327	318	364	612	652	693	702	629

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 5B2-9-1. Shasta Lake Surface Area, October

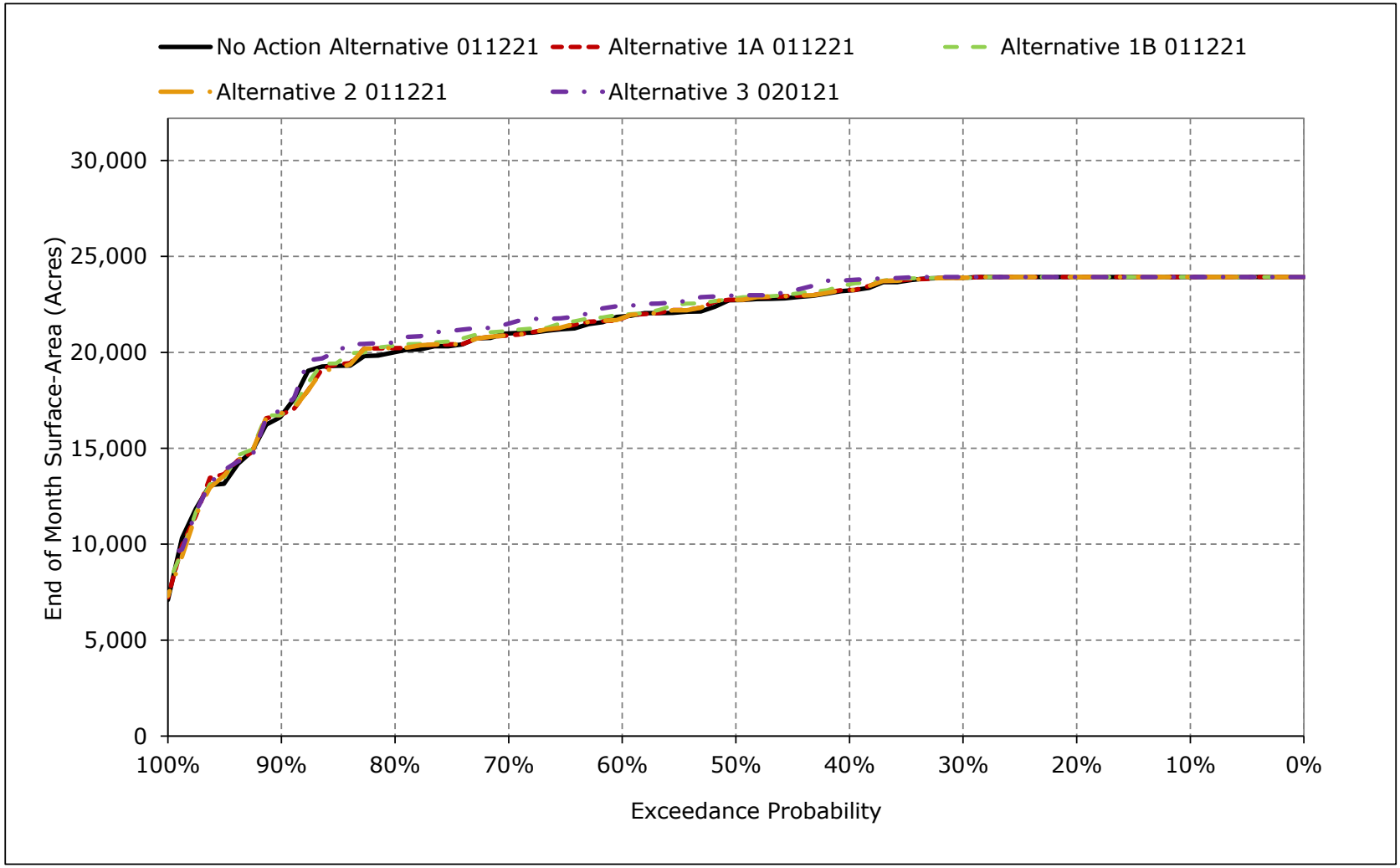


Figure 5B2-9-2. Shasta Lake Surface Area, November

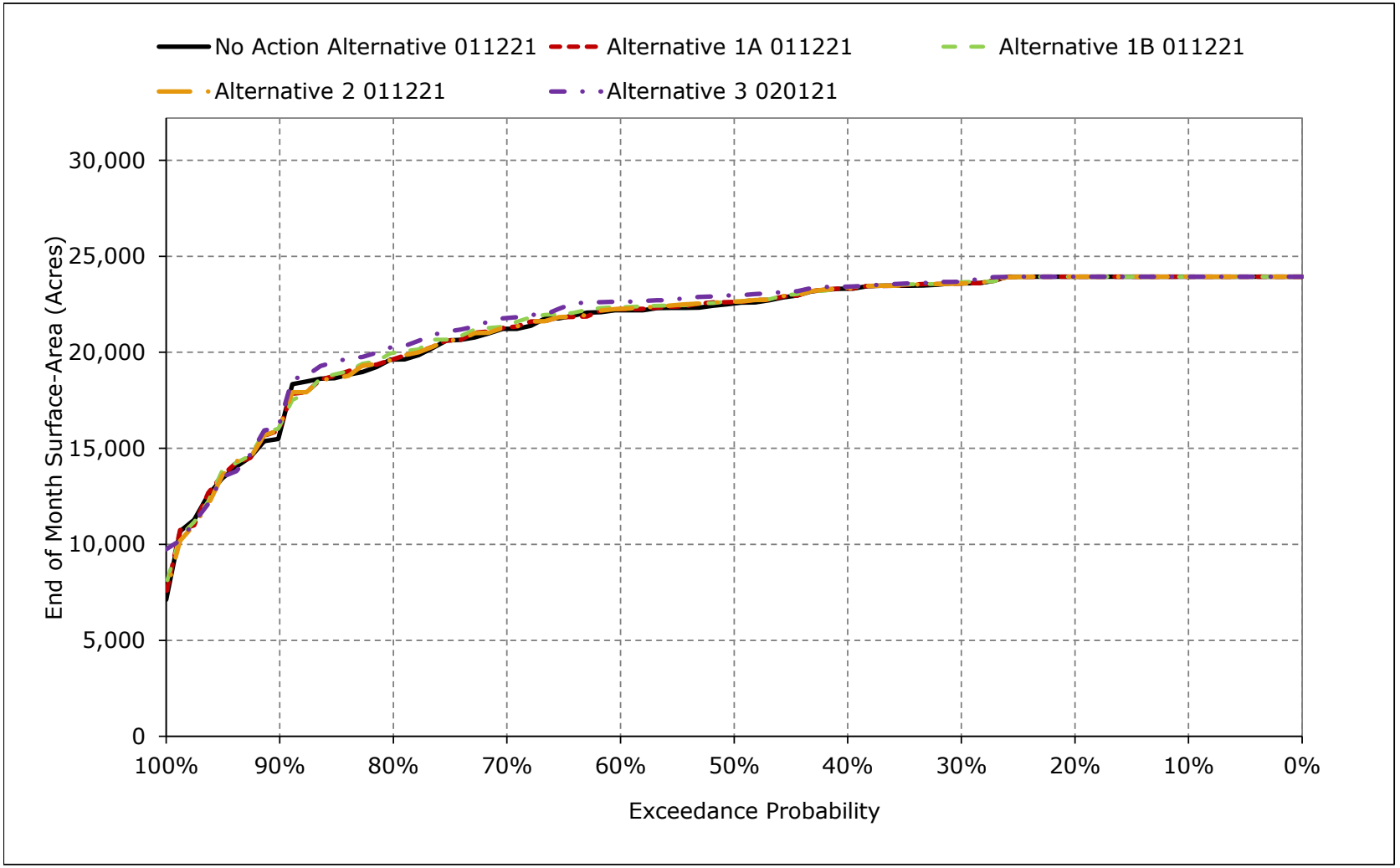


Figure 5B2-9-3. Shasta Lake Surface Area, December

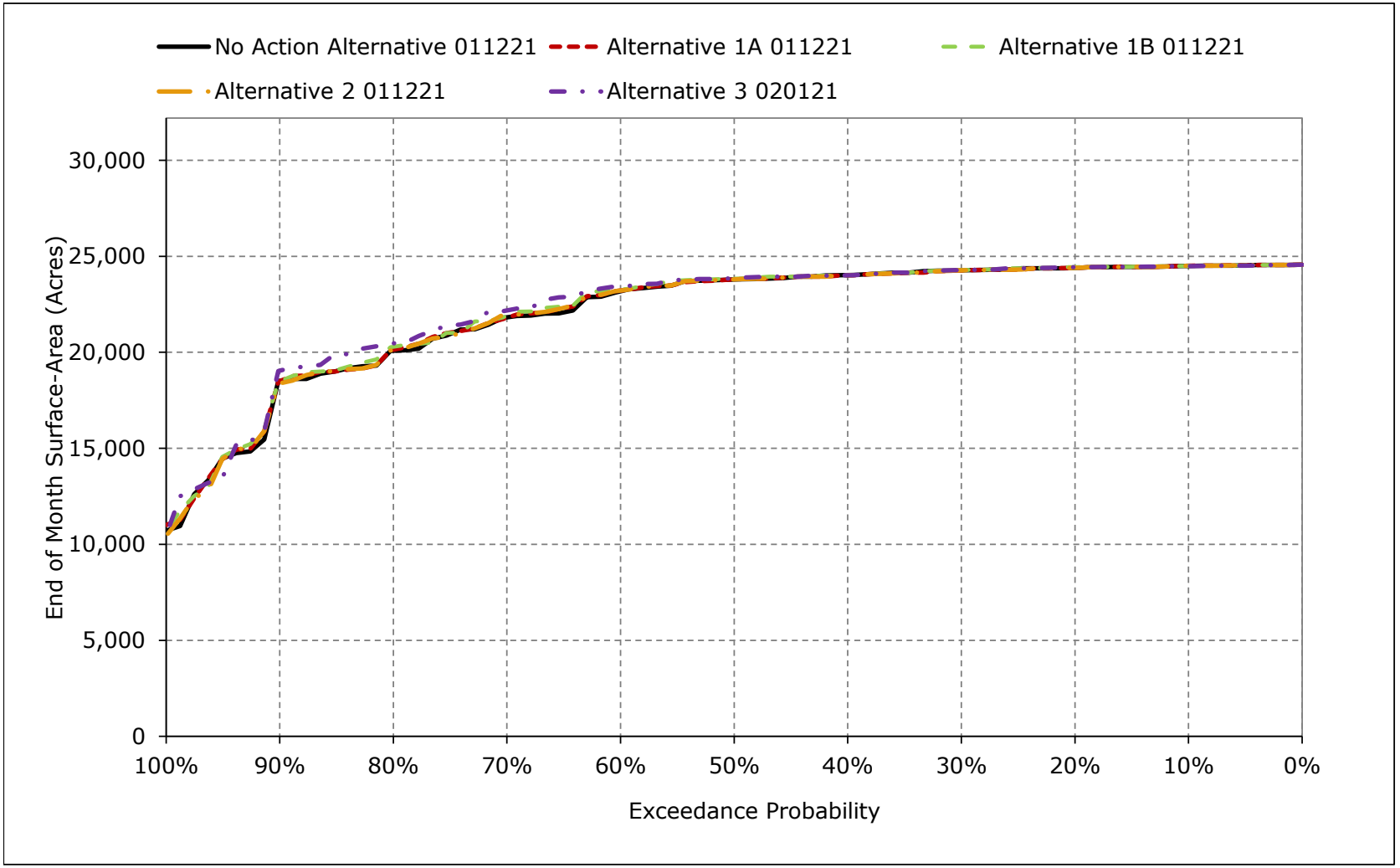


Figure 5B2-9-4. Shasta Lake Surface Area, January

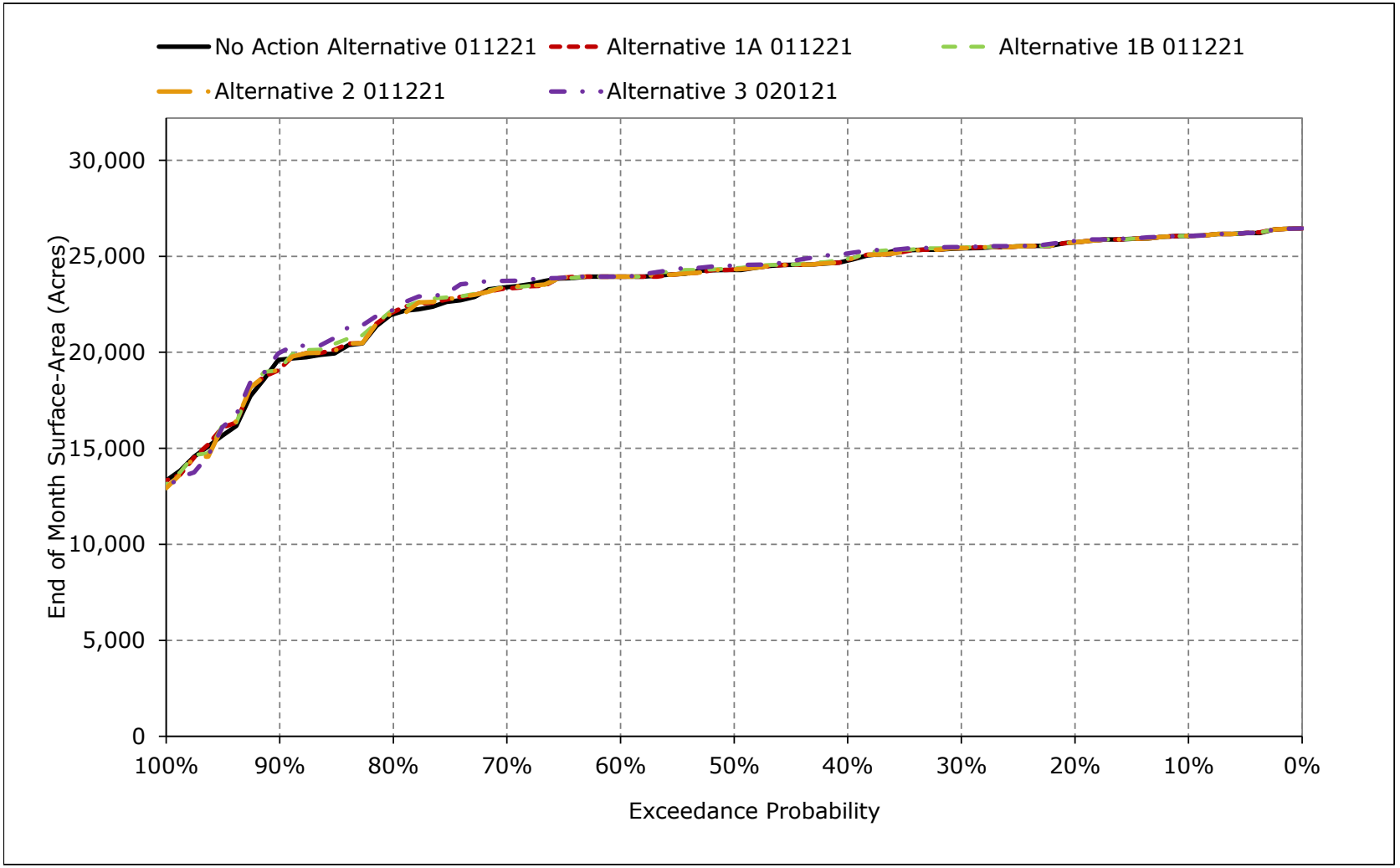


Figure 5B2-9-5. Shasta Lake Surface Area, February

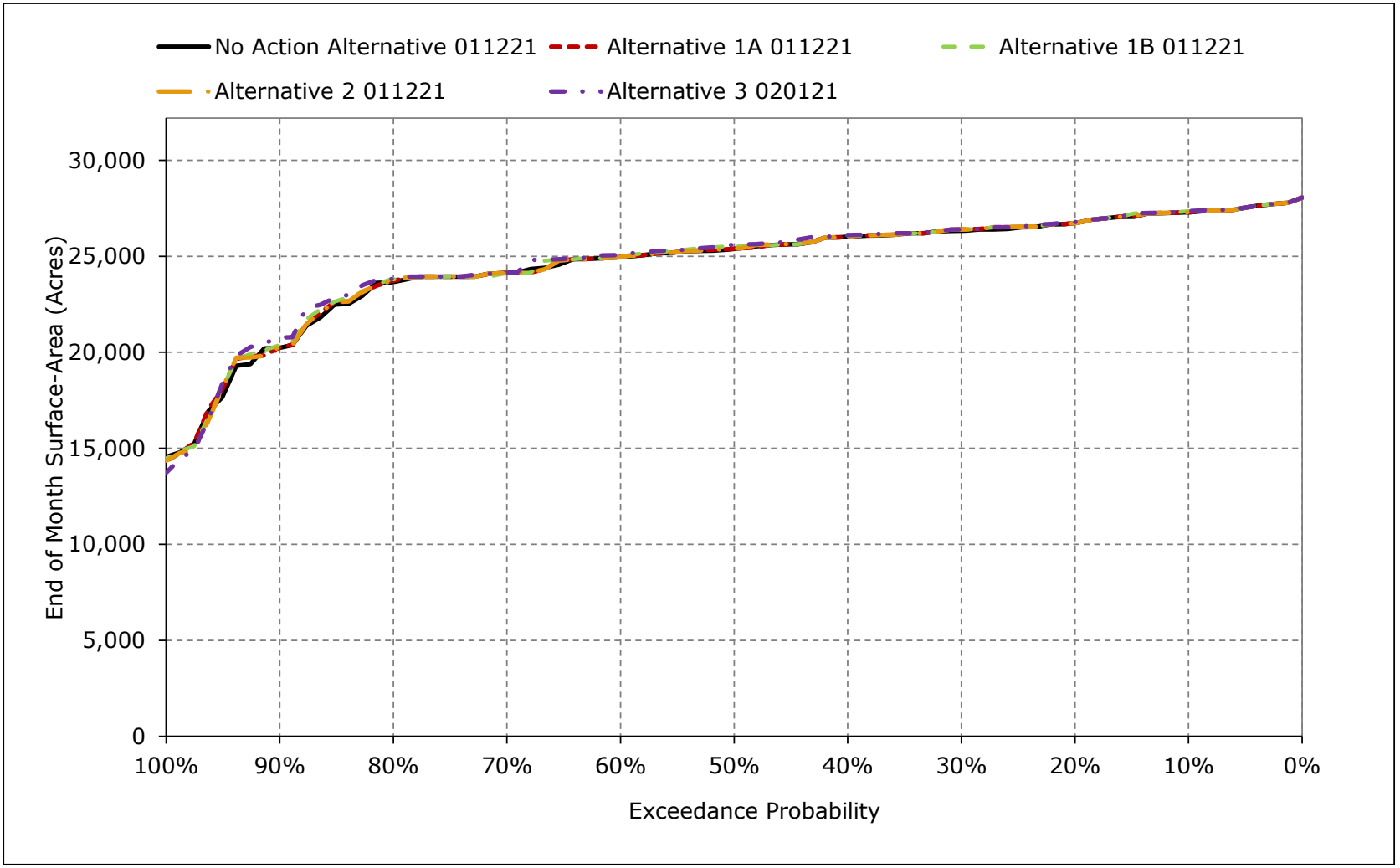


Figure 5B2-9-6. Shasta Lake Surface Area, March

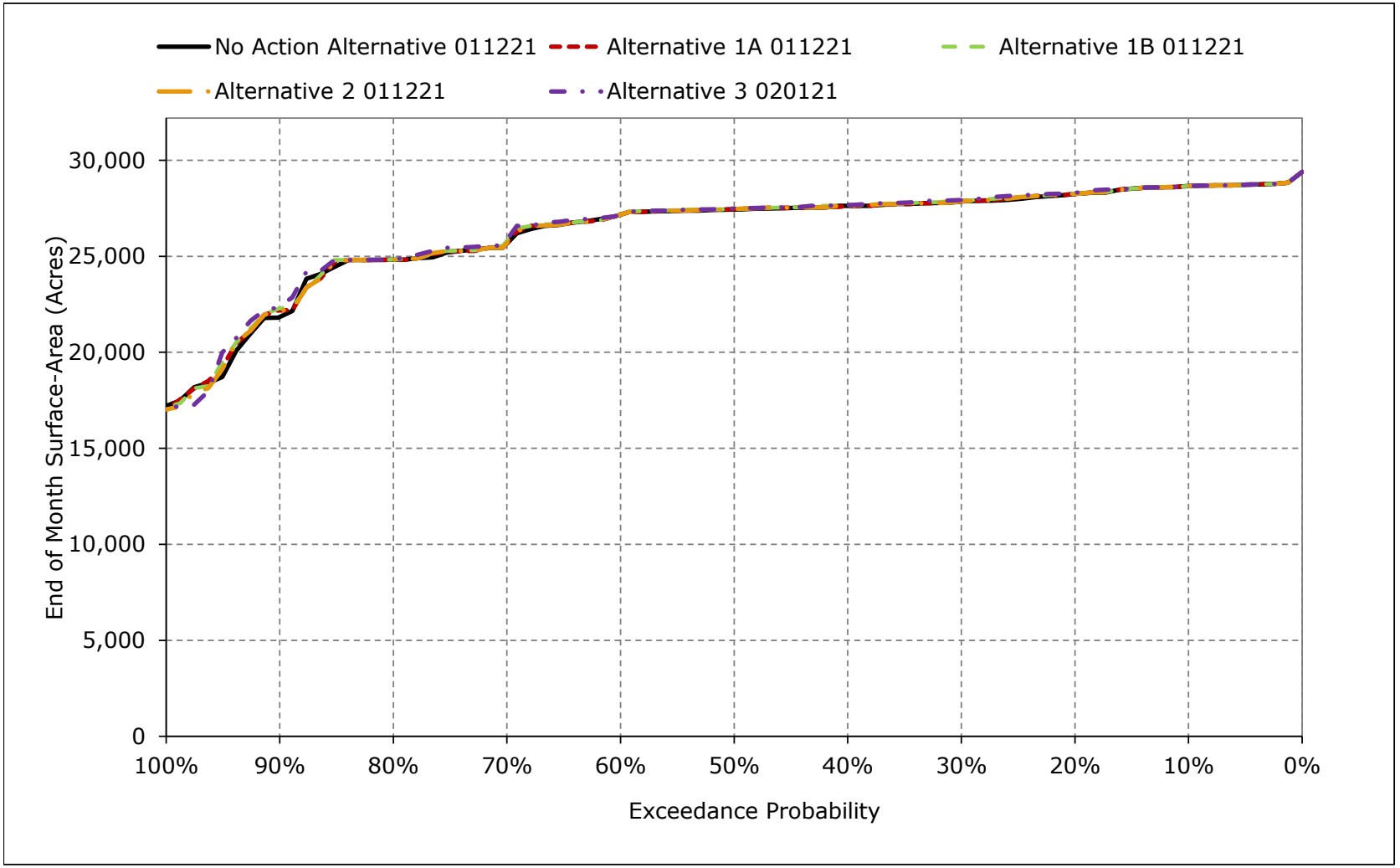


Figure 5B2-9-7. Shasta Lake Surface Area, April

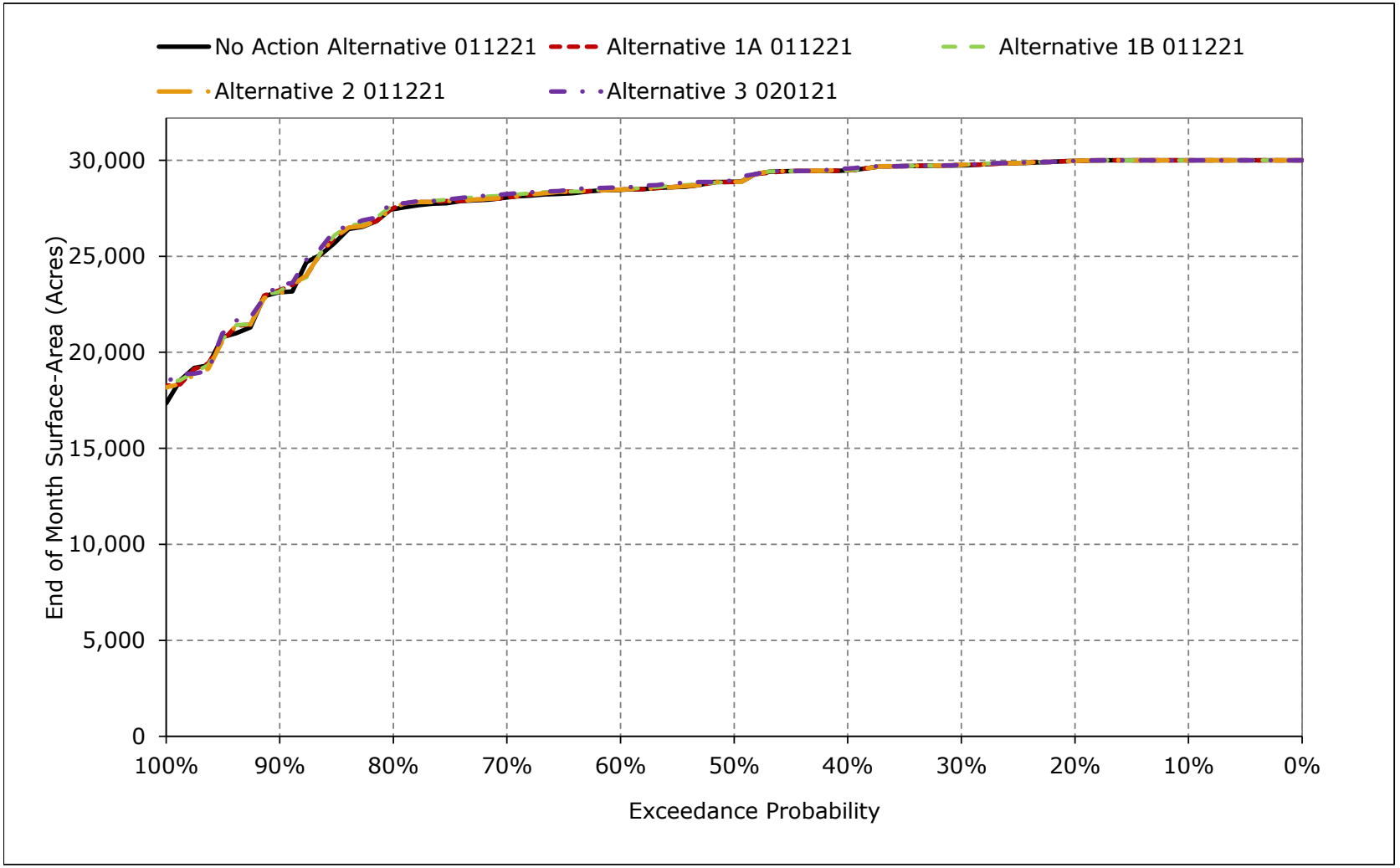


Figure 5B2-9-8. Shasta Lake Surface Area, May

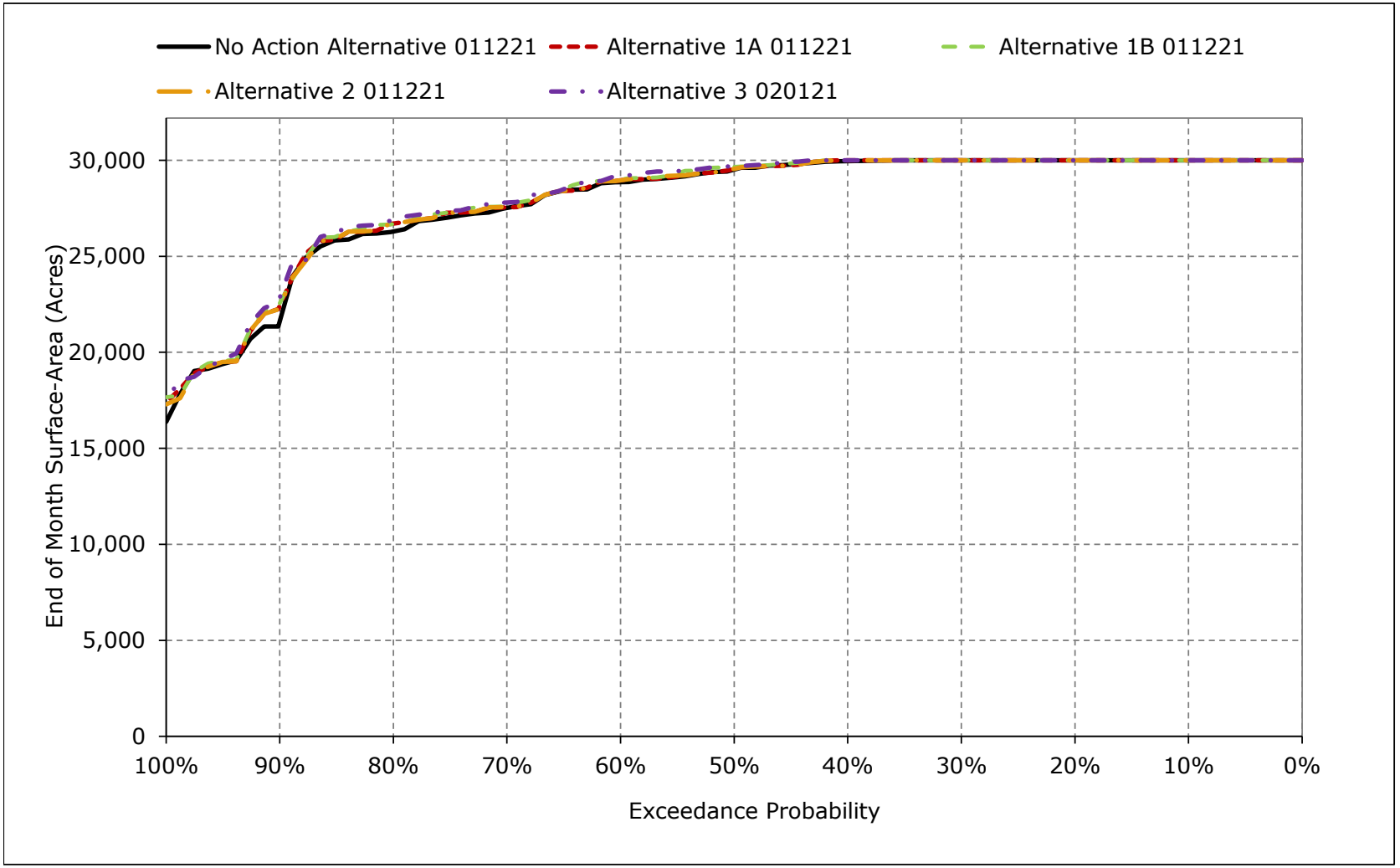


Figure 5B2-9-9. Shasta Lake Surface Area, June

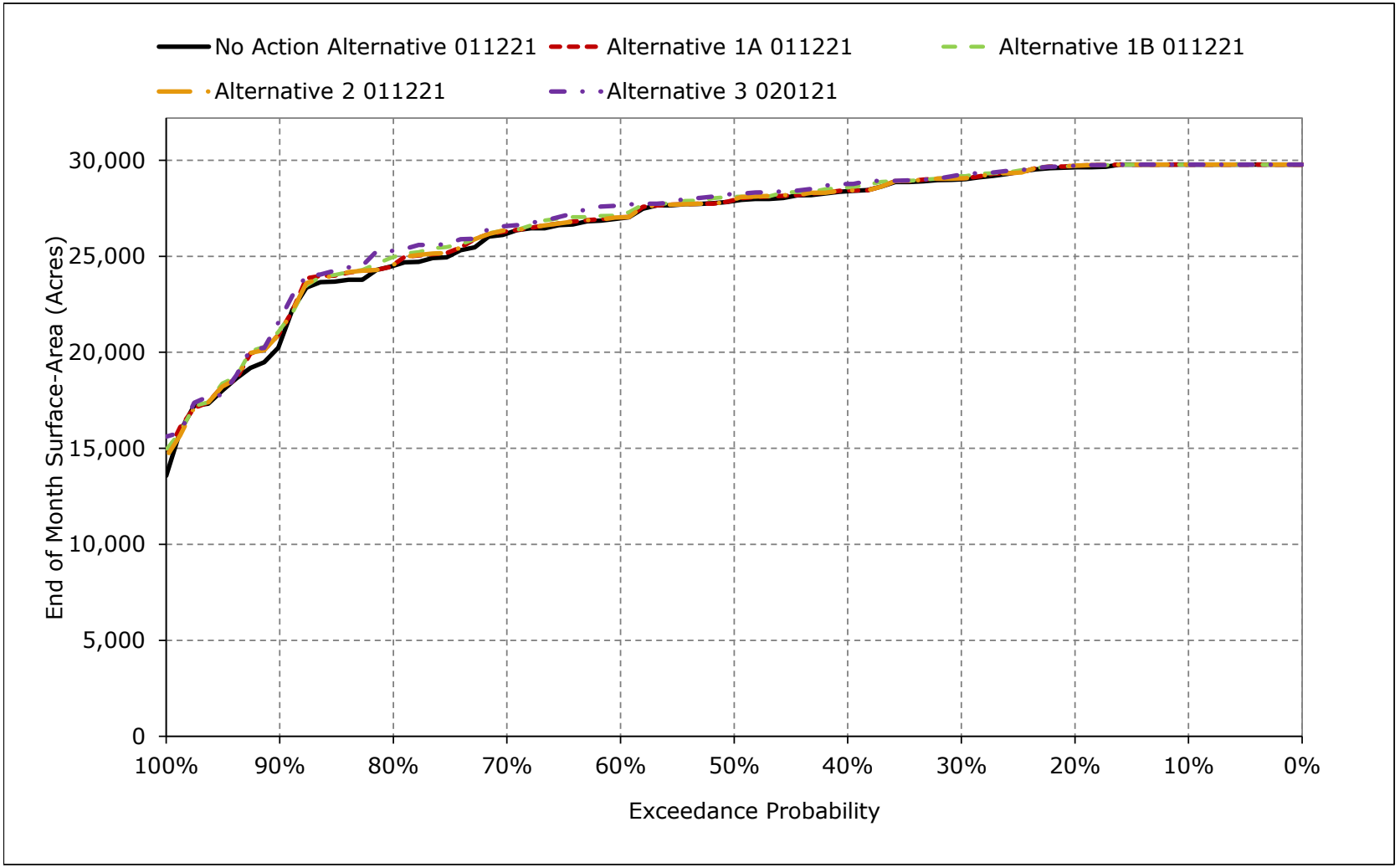


Figure 5B2-9-10. Shasta Lake Surface Area, July

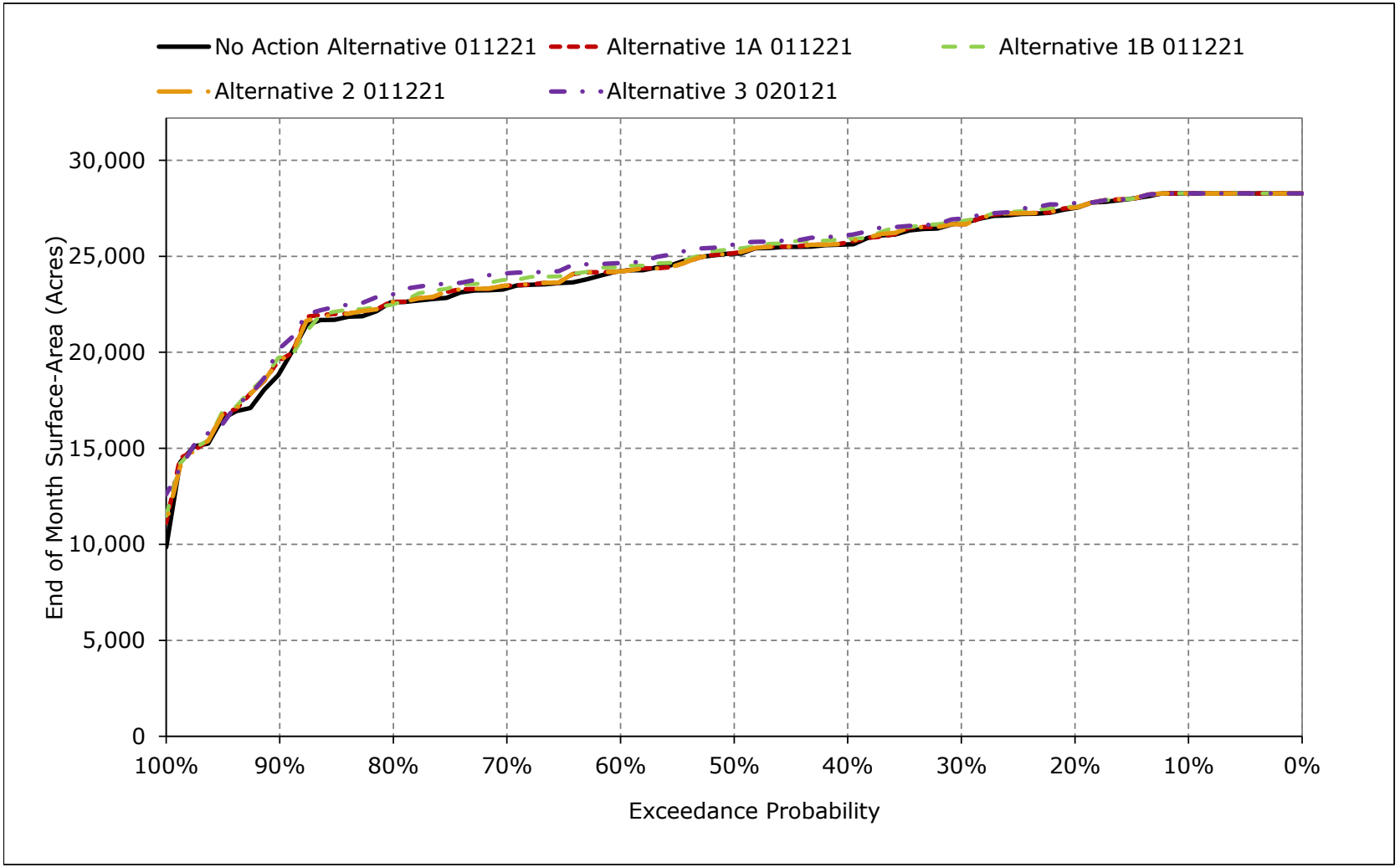


Figure 5B2-9-11. Shasta Lake Surface Area, August

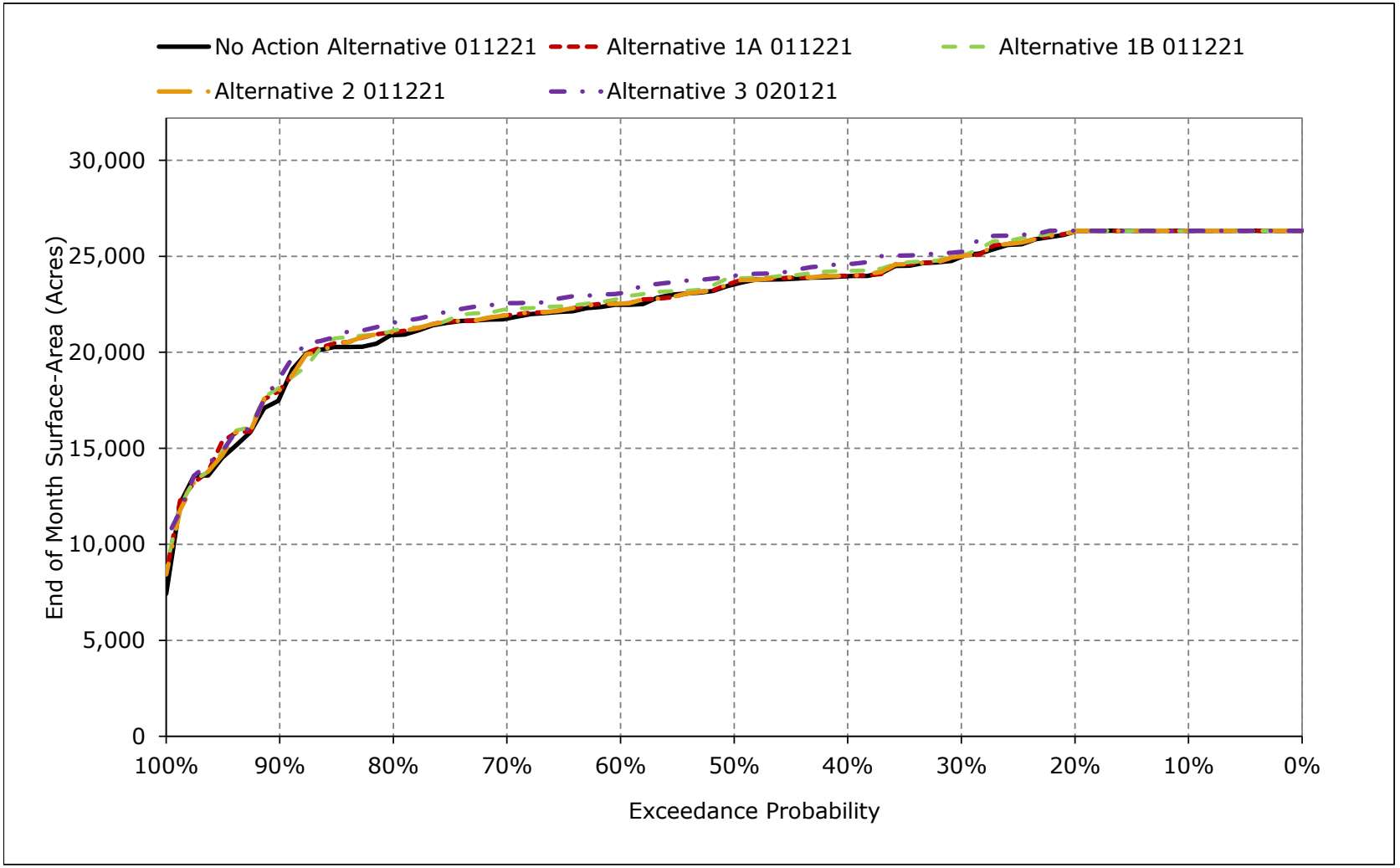


Figure 5B2-9-12. Shasta Lake Surface Area, September

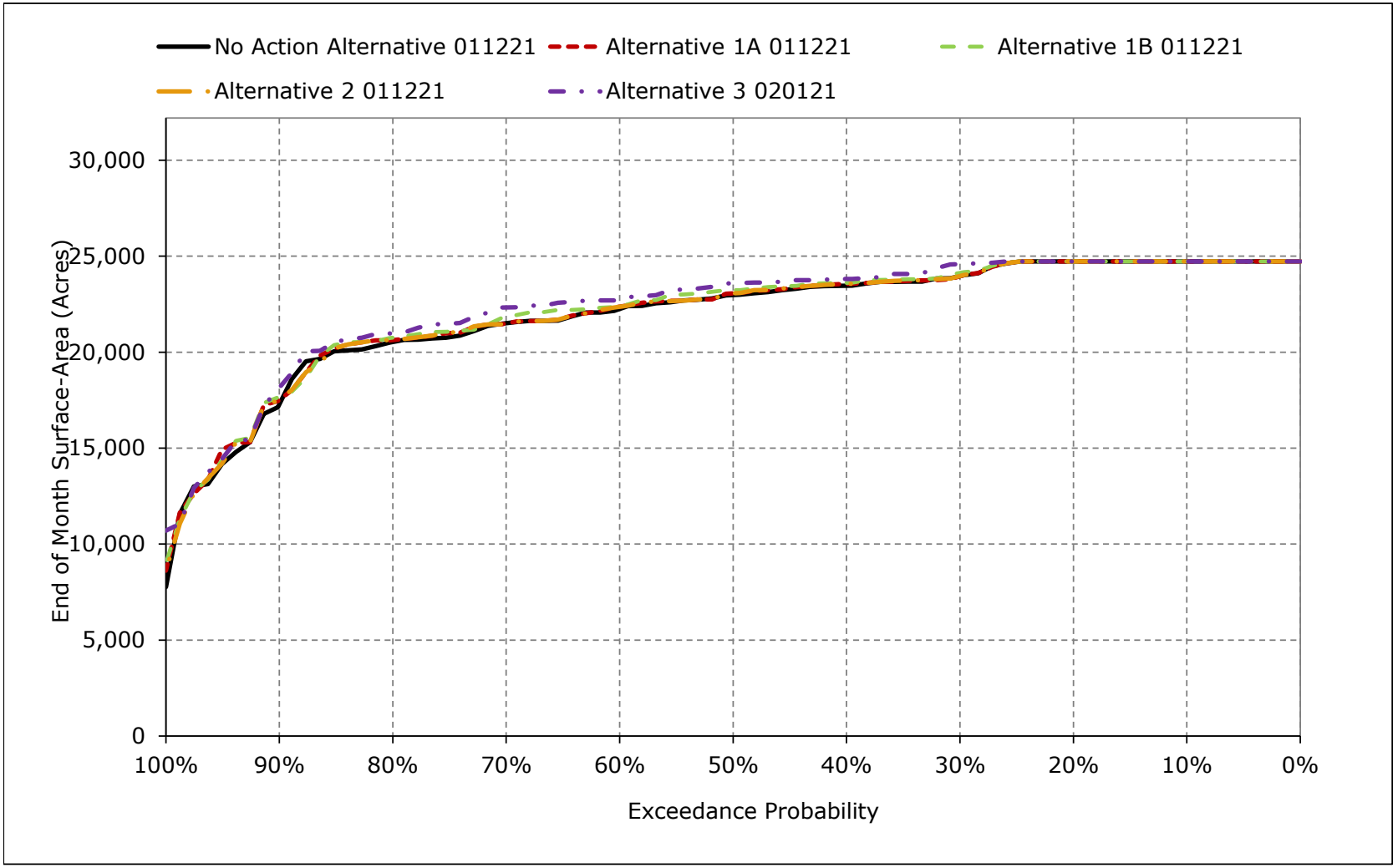


Table 5B2-10-1a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,329	17,857	23,049	30,057	20,016	9,963	11,548	13,053	16,000	12,308	11,274
20%	8,233	7,434	10,897	13,794	19,248	12,798	7,229	10,543	11,600	15,610	11,593	10,623
30%	7,103	6,718	5,839	7,666	9,348	10,048	5,566	9,615	10,643	13,689	10,732	8,919
40%	6,293	5,991	5,108	5,331	6,817	6,005	4,611	8,813	9,900	13,009	10,308	7,979
50%	5,939	5,551	4,482	3,250	4,422	4,470	4,155	8,310	9,427	12,526	10,003	6,051
60%	5,596	5,310	3,980	3,250	3,250	3,382	3,356	7,678	9,060	12,045	9,668	5,504
70%	5,373	4,853	3,333	3,250	3,250	3,250	3,250	7,340	8,743	11,644	9,232	5,023
80%	5,123	4,447	3,250	3,250	3,250	3,250	3,250	6,382	8,317	10,927	8,852	4,472
90%	4,044	3,817	3,250	3,250	3,250	3,250	3,250	5,697	7,697	9,651	8,051	4,237
Long Term												
Full Simulation Period[a]	6,306	6,256	7,393	8,792	10,963	8,827	5,835	8,525	9,957	12,687	10,084	7,196
Water Year Types[b,c]												
Wet (32%)	7,749	7,005	8,520	17,347	19,700	15,956	8,792	9,759	9,153	12,912	11,271	10,326
Above Normal (15%)	5,978	8,261	6,743	8,135	15,132	9,910	5,408	8,825	10,111	14,669	10,894	8,325
Below Normal (17%)	6,037	5,882	8,172	4,476	6,931	4,680	4,105	7,595	10,463	13,476	9,864	5,765
Dry (22%)	5,230	5,037	8,114	3,625	3,648	4,195	4,302	7,805	11,008	12,371	9,181	4,854
Critical (15%)	5,438	4,892	3,609	3,697	3,543	4,081	4,177	7,718	9,380	9,767	8,315	4,469

Table 5B2-10-1b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,362	17,857	23,325	30,057	20,016	9,963	11,616	12,912	16,000	12,308	11,234
20%	8,234	7,360	10,929	13,792	19,248	12,798	7,420	10,456	11,506	15,665	11,644	10,646
30%	7,158	6,562	5,768	7,666	9,599	10,050	5,602	9,206	10,273	13,832	10,897	8,978
40%	6,396	5,917	5,067	5,289	6,896	5,990	4,543	8,598	9,977	13,320	10,366	8,066
50%	6,157	5,557	4,525	3,250	4,340	4,470	4,095	8,036	9,467	12,749	10,042	6,493
60%	5,721	5,350	3,920	3,250	3,250	3,250	3,250	7,550	9,068	12,126	9,768	5,570
70%	5,427	4,882	3,313	3,250	3,250	3,250	3,250	6,951	8,592	11,762	9,301	5,112
80%	5,078	4,331	3,281	3,250	3,250	3,250	3,250	6,292	8,110	11,036	8,758	4,804
90%	4,268	3,774	3,250	3,250	3,250	3,250	3,250	5,517	7,576	9,641	7,805	4,236
Long Term												
Full Simulation Period[a]	6,385	6,248	7,417	8,816	10,955	8,827	5,813	8,342	9,862	12,761	10,110	7,275
Water Year Types[b,c]												
Wet (32%)	7,751	6,984	8,491	17,387	19,725	15,956	8,772	9,745	9,099	12,959	11,282	10,328
Above Normal (15%)	6,051	8,272	6,725	8,142	15,263	9,940	5,418	8,761	10,066	14,622	10,861	8,352
Below Normal (17%)	6,009	5,949	8,198	4,479	6,861	4,680	4,072	7,458	10,367	13,582	9,834	5,790
Dry (22%)	5,249	4,990	8,324	3,605	3,583	4,131	4,246	7,598	10,740	12,554	9,404	5,033
Critical (15%)	5,901	4,864	3,511	3,796	3,477	4,150	4,180	7,033	9,404	9,822	8,197	4,678

Table 5B2-10-1c. Sacramento River Flow downstream of Keswick Reservoir, 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%	0	33	0	276	0	0	0	68	-141	0	0	-41
20%	1	-74	32	-2	0	0	192	-87	-95	55	52	23
30%	55	-156	-70	0	251	1	36	-409	-369	143	165	59
40%	103	-74	-41	-41	78	-16	-68	-214	78	311	58	87
50%	219	6	43	0	-82	0	-60	-274	40	223	39	443
60%	125	40	-60	0	0	-132	-106	-129	8	81	100	66
70%	54	30	-19	0	0	0	0	-389	-151	117	69	90
80%	-45	-116	31	0	0	0	0	-90	-208	109	-94	332
90%	225	-43	0	0	0	0	0	-180	-120	-11	-246	-1
Long Term												
Full Simulation Period[a]	79	-8	24	25	-8	0	-22	-183	-96	74	25	79
Water Year Types[b,c]												
Wet (32%)	2	-21	-29	40	26	0	-19	-14	-54	47	11	2
Above Normal (15%)	73	12	-18	7	131	30	10	-63	-45	-48	-33	27
Below Normal (17%)	-28	66	27	3	-70	0	-33	-137	-96	106	-29	24
Dry (22%)	19	-47	210	-19	-64	-64	-56	-207	-268	183	223	179
Critical (15%)	463	-27	-99	99	-66	69	2	-686	24	54	-118	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 5B2-10-2a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,329	17,857	23,049	30,057	20,016	9,963	11,548	13,053	16,000	12,308	11,274
20%	8,233	7,434	10,897	13,794	19,248	12,798	7,229	10,543	11,600	15,610	11,593	10,623
30%	7,103	6,718	5,839	7,666	9,348	10,048	5,566	9,615	10,643	13,689	10,732	8,919
40%	6,293	5,991	5,108	5,331	6,817	6,005	4,611	8,813	9,900	13,009	10,308	7,979
50%	5,939	5,551	4,482	3,250	4,422	4,470	4,155	8,310	9,427	12,526	10,003	6,051
60%	5,596	5,310	3,980	3,250	3,250	3,382	3,356	7,678	9,060	12,045	9,668	5,504
70%	5,373	4,853	3,333	3,250	3,250	3,250	3,250	7,340	8,743	11,644	9,232	5,023
80%	5,123	4,447	3,250	3,250	3,250	3,250	3,250	6,382	8,317	10,927	8,852	4,472
90%	4,044	3,817	3,250	3,250	3,250	3,250	3,250	5,697	7,697	9,651	8,051	4,237
Long Term												
Full Simulation Period[a]	6,306	6,256	7,393	8,792	10,963	8,827	5,835	8,525	9,957	12,687	10,084	7,196
Water Year Types[b,c]												
Wet (32%)	7,749	7,005	8,520	17,347	19,700	15,956	8,792	9,759	9,153	12,912	11,271	10,326
Above Normal (15%)	5,978	8,261	6,743	8,135	15,132	9,910	5,408	8,825	10,111	14,669	10,894	8,325
Below Normal (17%)	6,037	5,882	8,172	4,476	6,931	4,680	4,105	7,595	10,463	13,476	9,864	5,765
Dry (22%)	5,230	5,037	8,114	3,625	3,648	4,195	4,302	7,805	11,008	12,371	9,181	4,854
Critical (15%)	5,438	4,892	3,609	3,697	3,543	4,081	4,177	7,718	9,380	9,767	8,315	4,469

Table 5B2-10-2b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,456	17,841	23,325	30,057	20,016	9,963	11,616	12,809	16,000	12,308	11,233
20%	8,340	7,557	11,240	13,792	19,248	12,798	6,685	10,376	10,970	15,658	11,754	10,675
30%	7,055	6,718	5,812	7,666	10,386	10,054	5,659	9,206	10,103	13,809	10,897	9,017
40%	6,422	6,071	5,224	5,281	6,898	5,989	4,545	8,529	9,761	13,139	10,313	8,226
50%	6,092	5,629	4,567	3,250	4,346	4,470	4,170	7,731	9,402	12,773	10,030	6,362
60%	5,742	5,336	3,940	3,250	3,250	3,250	3,250	7,419	9,013	12,079	9,780	5,576
70%	5,434	5,012	3,459	3,250	3,250	3,250	3,250	6,820	8,440	11,763	9,297	5,187
80%	5,054	4,798	3,287	3,250	3,250	3,250	3,250	6,107	8,062	10,777	8,773	4,877
90%	4,312	3,723	3,250	3,250	3,250	3,250	3,250	5,520	7,506	9,532	7,974	4,310
Long Term												
Full Simulation Period[a]	6,379	6,348	7,435	8,815	11,024	8,838	5,791	8,259	9,738	12,716	10,129	7,333
Water Year Types[b,c]												
Wet (32%)	7,743	6,904	8,486	17,441	19,773	15,956	8,772	9,745	9,099	12,959	11,282	10,337
Above Normal (15%)	6,129	8,250	6,924	8,142	15,351	9,995	5,461	8,754	9,390	14,309	10,892	8,685
Below Normal (17%)	6,089	6,139	8,283	4,465	7,014	4,680	4,058	7,173	10,170	13,493	9,831	5,856
Dry (22%)	5,164	5,396	8,162	3,605	3,643	4,176	4,133	7,489	10,857	12,638	9,366	5,002
Critical (15%)	5,838	4,913	3,587	3,691	3,492	4,104	4,172	6,964	9,292	9,807	8,360	4,691

Table 5B2-10-2c. Sacramento River Flow downstream of Keswick Reservoir, 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%	0	127	-15	277	0	0	0	68	-244	0	0	-42
20%	107	123	343	-2	0	0	-543	-167	-630	48	161	51
30%	-48	1	-27	0	1,038	6	93	-409	-540	119	165	98
40%	130	80	116	-50	81	-16	-67	-283	-139	130	6	248
50%	153	78	85	0	-75	0	15	-580	-25	247	27	312
60%	146	26	-40	0	0	-132	-106	-259	-47	34	111	72
70%	61	159	127	0	0	0	0	-521	-303	118	65	165
80%	-70	351	37	0	0	0	0	-276	-256	-150	-79	404
90%	268	-94	0	0	0	0	0	-177	-191	-120	-76	74
Long Term												
Full Simulation Period[a]	73	92	42	24	61	12	-44	-266	-219	29	45	137
Water Year Types[b,c]												
Wet (32%)	-6	-101	-34	94	73	0	-19	-14	-54	47	11	11
Above Normal (15%)	151	-10	180	7	219	86	53	-70	-721	-361	-1	360
Below Normal (17%)	52	256	112	-11	83	0	-47	-421	-294	17	-33	91
Dry (22%)	-66	359	48	-19	-5	-19	-168	-315	-151	267	185	148
Critical (15%)	399	21	-23	-6	-50	23	-6	-754	-89	40	45	222

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 5B2-10-3a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,329	17,857	23,049	30,057	20,016	9,963	11,548	13,053	16,000	12,308	11,274
20%	8,233	7,434	10,897	13,794	19,248	12,798	7,229	10,543	11,600	15,610	11,593	10,623
30%	7,103	6,718	5,839	7,666	9,348	10,048	5,566	9,615	10,643	13,689	10,732	8,919
40%	6,293	5,991	5,108	5,331	6,817	6,005	4,611	8,813	9,900	13,009	10,308	7,979
50%	5,939	5,551	4,482	3,250	4,422	4,470	4,155	8,310	9,427	12,526	10,003	6,051
60%	5,596	5,310	3,980	3,250	3,250	3,382	3,356	7,678	9,060	12,045	9,668	5,504
70%	5,373	4,853	3,333	3,250	3,250	3,250	3,250	7,340	8,743	11,644	9,232	5,023
80%	5,123	4,447	3,250	3,250	3,250	3,250	3,250	6,382	8,317	10,927	8,852	4,472
90%	4,044	3,817	3,250	3,250	3,250	3,250	3,250	5,697	7,697	9,651	8,051	4,237
Long Term												
Full Simulation Period[a]	6,306	6,256	7,393	8,792	10,963	8,827	5,835	8,525	9,957	12,687	10,084	7,196
Water Year Types[b,c]												
Wet (32%)	7,749	7,005	8,520	17,347	19,700	15,956	8,792	9,759	9,153	12,912	11,271	10,326
Above Normal (15%)	5,978	8,261	6,743	8,135	15,132	9,910	5,408	8,825	10,111	14,669	10,894	8,325
Below Normal (17%)	6,037	5,882	8,172	4,476	6,931	4,680	4,105	7,595	10,463	13,476	9,864	5,765
Dry (22%)	5,230	5,037	8,114	3,625	3,648	4,195	4,302	7,805	11,008	12,371	9,181	4,854
Critical (15%)	5,438	4,892	3,609	3,697	3,543	4,081	4,177	7,718	9,380	9,767	8,315	4,469

Table 5B2-10-3b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,362	17,857	23,326	30,057	20,016	9,963	11,616	12,912	16,000	12,308	11,252
20%	8,340	7,368	10,944	13,792	19,248	12,798	7,420	10,456	11,498	15,663	11,644	10,646
30%	7,161	6,693	5,847	7,666	9,672	10,048	5,604	9,206	10,273	13,833	10,897	8,985
40%	6,393	5,876	5,035	5,280	6,896	5,990	4,544	8,598	9,973	13,312	10,365	8,062
50%	6,106	5,503	4,527	3,250	4,340	4,470	4,098	8,030	9,466	12,749	10,068	6,491
60%	5,694	5,332	3,920	3,250	3,250	3,250	3,250	7,525	9,068	12,127	9,811	5,589
70%	5,448	4,899	3,323	3,250	3,250	3,250	3,250	6,951	8,545	11,762	9,298	5,123
80%	5,080	4,331	3,288	3,250	3,250	3,250	3,250	6,292	8,097	11,002	8,821	4,803
90%	4,314	3,801	3,250	3,250	3,250	3,250	3,250	5,517	7,576	9,586	7,886	4,235
Long Term												
Full Simulation Period[a]	6,385	6,238	7,433	8,802	10,949	8,827	5,813	8,341	9,859	12,756	10,135	7,272
Water Year Types[b,c]												
Wet (32%)	7,751	6,984	8,493	17,383	19,725	15,956	8,772	9,745	9,099	12,960	11,282	10,328
Above Normal (15%)	6,051	8,271	6,726	8,142	15,286	9,939	5,418	8,761	10,065	14,615	10,861	8,359
Below Normal (17%)	6,058	5,940	8,207	4,477	6,798	4,680	4,073	7,459	10,368	13,577	9,844	5,786
Dry (22%)	5,250	4,932	8,330	3,605	3,584	4,134	4,246	7,597	10,741	12,557	9,406	5,030
Critical (15%)	5,843	4,898	3,595	3,710	3,488	4,147	4,180	7,023	9,385	9,798	8,358	4,660

Table 5B2-10-3c. Sacramento River Flow downstream of Keswick Reservoir, 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%	0	32	0	277	0	0	0	68	-141	0	0	-22
20%	107	-66	47	-2	0	0	192	-87	-102	53	51	23
30%	57	-25	8	0	324	-1	38	-409	-369	143	165	66
40%	101	-115	-74	-51	79	-16	-67	-215	73	302	57	84
50%	167	-48	45	0	-82	0	-57	-280	39	223	64	440
60%	98	22	-60	0	0	-132	-106	-153	8	82	142	85
70%	75	46	-9	0	0	0	0	-389	-198	117	66	100
80%	-44	-117	38	0	0	0	0	-90	-221	75	-32	330
90%	271	-16	0	0	0	0	0	-180	-120	-66	-165	-1
Long Term												
Full Simulation Period[a]	79	-18	40	10	-14	1	-22	-184	-98	70	51	76
Water Year Types[b,c]												
Wet (32%)	2	-21	-28	36	26	0	-19	-14	-54	48	11	2
Above Normal (15%)	73	10	-18	7	153	29	10	-63	-46	-54	-32	34
Below Normal (17%)	21	57	35	2	-133	0	-32	-136	-96	101	-20	20
Dry (22%)	20	-105	217	-19	-64	-61	-56	-208	-267	186	225	176
Critical (15%)	405	6	-14	13	-55	67	3	-695	4	31	43	191

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 5B2-10-4a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,755	8,329	17,857	23,049	30,057	20,016	9,963	11,548	13,053	16,000	12,308	11,274
20%	8,233	7,434	10,897	13,794	19,248	12,798	7,229	10,543	11,600	15,610	11,593	10,623
30%	7,103	6,718	5,839	7,666	9,348	10,048	5,566	9,615	10,643	13,689	10,732	8,919
40%	6,293	5,991	5,108	5,331	6,817	6,005	4,611	8,813	9,900	13,009	10,308	7,979
50%	5,939	5,551	4,482	3,250	4,422	4,470	4,155	8,310	9,427	12,526	10,003	6,051
60%	5,596	5,310	3,980	3,250	3,250	3,382	3,356	7,678	9,060	12,045	9,668	5,504
70%	5,373	4,853	3,333	3,250	3,250	3,250	3,250	7,340	8,743	11,644	9,232	5,023
80%	5,123	4,447	3,250	3,250	3,250	3,250	3,250	6,382	8,317	10,927	8,852	4,472
90%	4,044	3,817	3,250	3,250	3,250	3,250	3,250	5,697	7,697	9,651	8,051	4,237
Long Term												
Full Simulation Period[a]	6,306	6,256	7,393	8,792	10,963	8,827	5,835	8,525	9,957	12,687	10,084	7,196
Water Year Types[b,c]												
Wet (32%)	7,749	7,005	8,520	17,347	19,700	15,956	8,792	9,759	9,153	12,912	11,271	10,326
Above Normal (15%)	5,978	8,261	6,743	8,135	15,132	9,910	5,408	8,825	10,111	14,669	10,894	8,325
Below Normal (17%)	6,037	5,882	8,172	4,476	6,931	4,680	4,105	7,595	10,463	13,476	9,864	5,765
Dry (22%)	5,230	5,037	8,114	3,625	3,648	4,195	4,302	7,805	11,008	12,371	9,181	4,854
Critical (15%)	5,438	4,892	3,609	3,697	3,543	4,081	4,177	7,718	9,380	9,767	8,315	4,469

Table 5B2-10-4b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,791	8,410	17,841	23,329	30,057	20,016	9,963	11,616	12,311	16,000	12,297	11,199
20%	8,340	7,637	11,240	13,792	19,248	12,798	6,641	10,363	10,878	15,366	11,343	10,647
30%	7,287	6,752	6,649	7,666	12,318	10,033	5,696	9,251	9,974	13,585	10,551	9,171
40%	6,714	5,983	5,256	5,199	7,056	5,809	4,543	8,526	9,549	12,960	10,036	8,446
50%	6,157	5,627	4,691	3,250	4,109	4,470	3,920	7,692	9,231	12,484	9,845	6,498
60%	5,963	5,409	4,025	3,250	3,250	3,250	3,250	7,459	8,865	12,161	9,483	5,560
70%	5,633	5,025	3,469	3,250	3,250	3,250	3,250	6,711	8,389	11,507	9,063	5,172
80%	5,212	4,646	3,282	3,250	3,250	3,250	3,250	5,995	7,948	10,452	8,617	4,776
90%	4,435	3,710	3,250	3,250	3,250	3,250	3,250	5,530	7,339	9,308	7,809	4,395
Long Term												
Full Simulation Period[a]	6,526	6,382	7,619	8,811	11,196	8,854	5,777	8,218	9,521	12,579	9,920	7,391
Water Year Types[b,c]												
Wet (32%)	7,751	6,913	8,495	17,451	19,941	15,956	8,772	9,745	9,099	12,959	11,281	10,329
Above Normal (15%)	6,518	8,394	7,123	8,143	16,027	9,989	5,461	8,754	9,119	13,950	9,965	9,077
Below Normal (17%)	6,362	6,242	8,528	4,465	7,109	4,680	4,112	7,154	9,459	13,379	9,742	5,959
Dry (22%)	5,351	5,395	8,650	3,605	3,674	4,258	4,121	7,316	10,570	12,353	9,122	4,951
Critical (15%)	5,831	4,864	3,611	3,635	3,474	4,094	4,033	6,972	9,334	9,791	8,329	4,669

Table 5B2-10-4c. Sacramento River Flow downstream of Keswick Reservoir, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

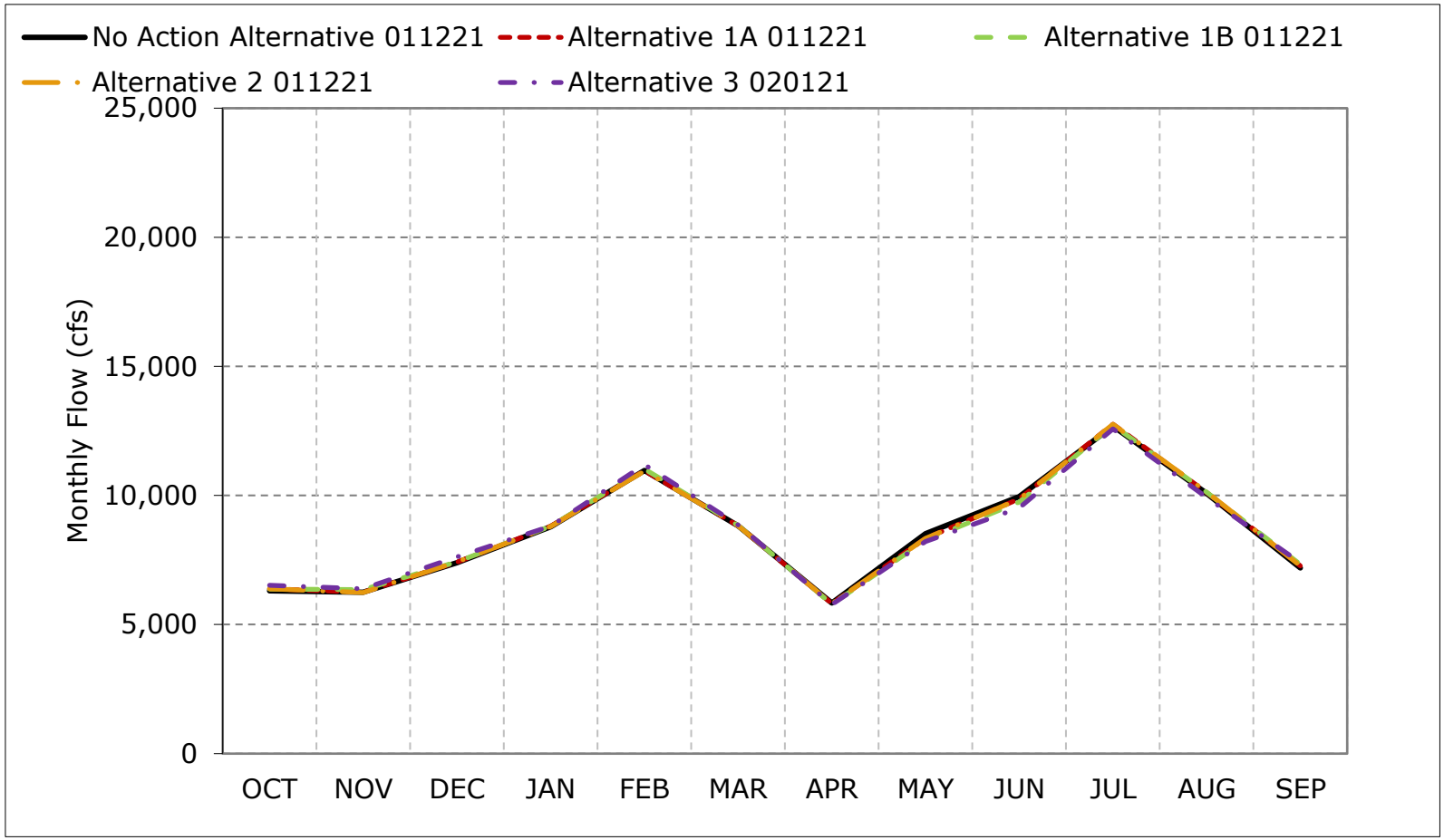
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	36	80	-15	281	0	0	0	68	-741	0	-11	-76
20%	107	204	343	-2	0	0	-587	-179	-723	-244	-250	23
30%	183	34	810	0	2,970	-15	130	-364	-668	-105	-181	252
40%	421	-8	148	-132	239	-197	-68	-287	-351	-50	-272	467
50%	218	75	208	0	-313	0	-235	-618	-196	-41	-158	448
60%	367	99	45	0	0	-132	-106	-219	-194	116	-185	56
70%	260	173	136	0	0	0	0	-629	-354	-138	-169	149
80%	88	199	32	0	0	0	0	-387	-369	-474	-236	304
90%	391	-107	0	0	0	0	0	-167	-358	-343	-241	158
Long Term												
Full Simulation Period[a]	220	126	226	19	233	27	-58	-307	-437	-108	-164	195
Water Year Types[b,c]												
Wet (32%)	2	-92	-26	104	241	0	-19	-15	-54	47	10	3
Above Normal (15%)	540	134	380	7	894	79	53	-71	-991	-719	-928	752
Below Normal (17%)	325	360	356	-11	178	0	7	-441	-1,004	-97	-122	194
Dry (22%)	122	357	536	-19	26	63	-181	-488	-438	-19	-59	97
Critical (15%)	393	-28	2	-62	-69	14	-144	-746	-46	24	14	200

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).

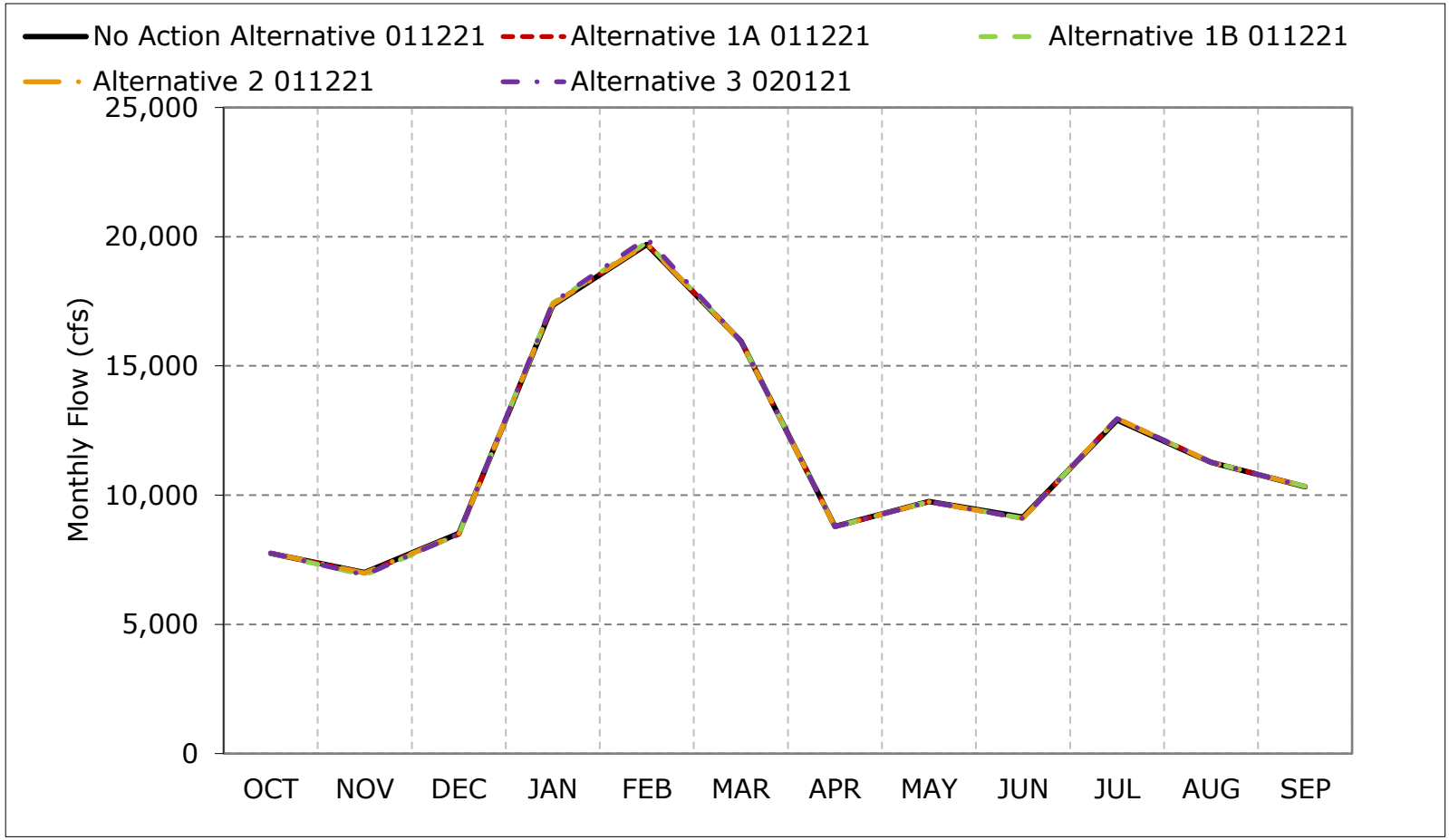
c These results are displayed with calendar year - year type sorting.

Figure 5B2-10-1. Sacramento River Flow downstream of Keswick Reservoir, Long-Term Average Flow



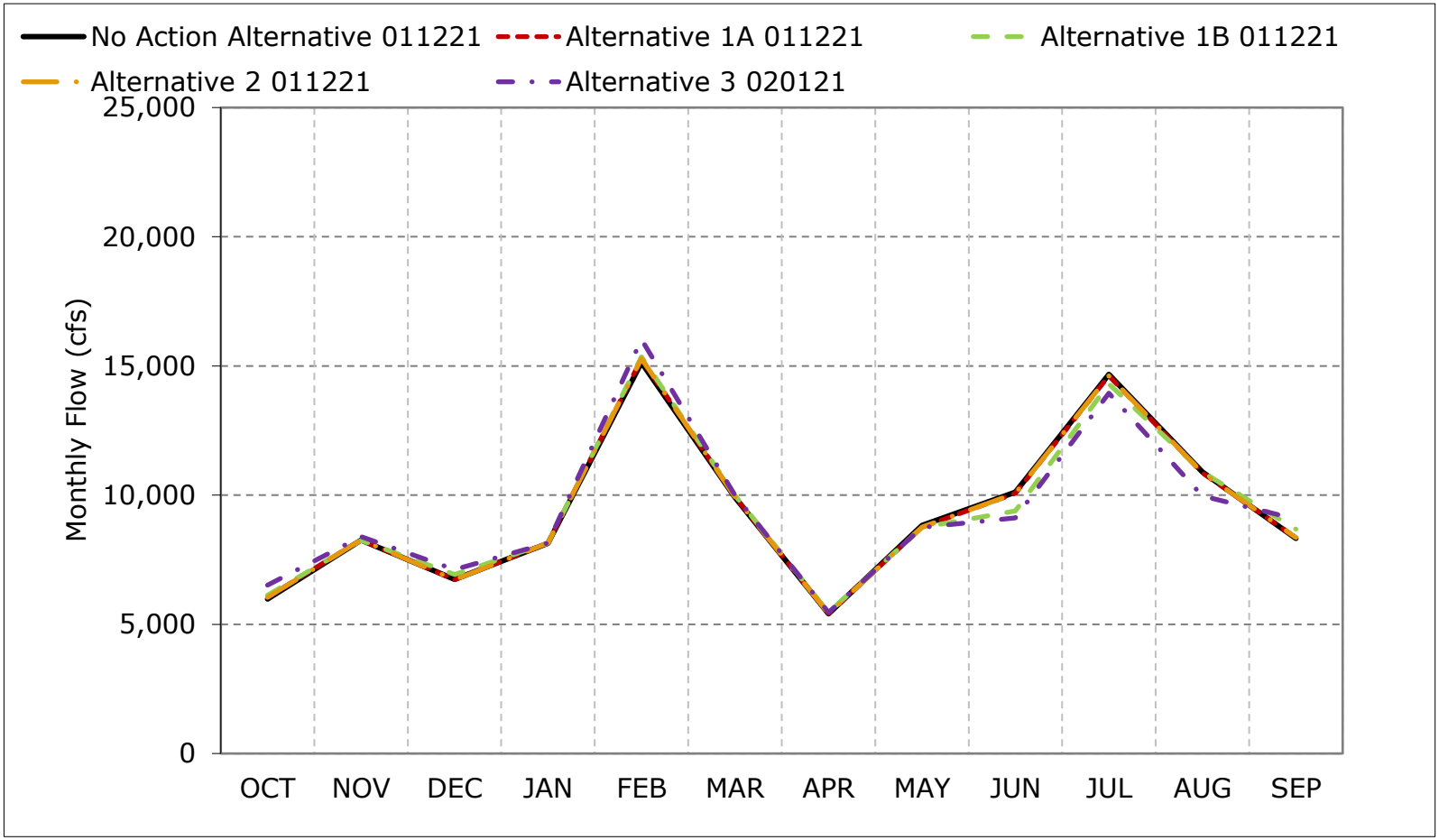
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-10-2. Sacramento River Flow downstream of Keswick Reservoir, Wet Year Average Flow



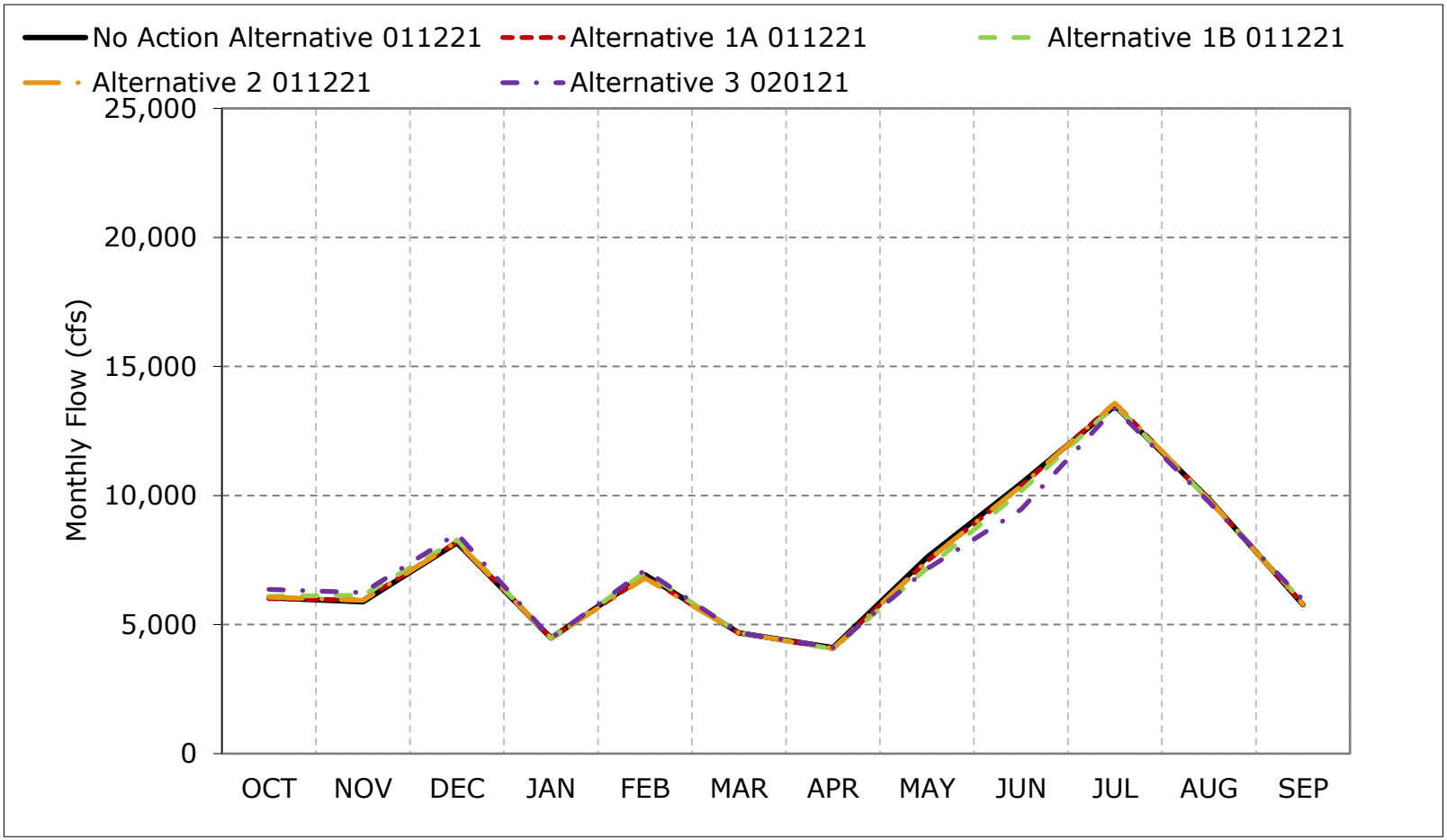
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-10-3. Sacramento River Flow downstream of Keswick Reservoir, Above Normal Year Average Flow



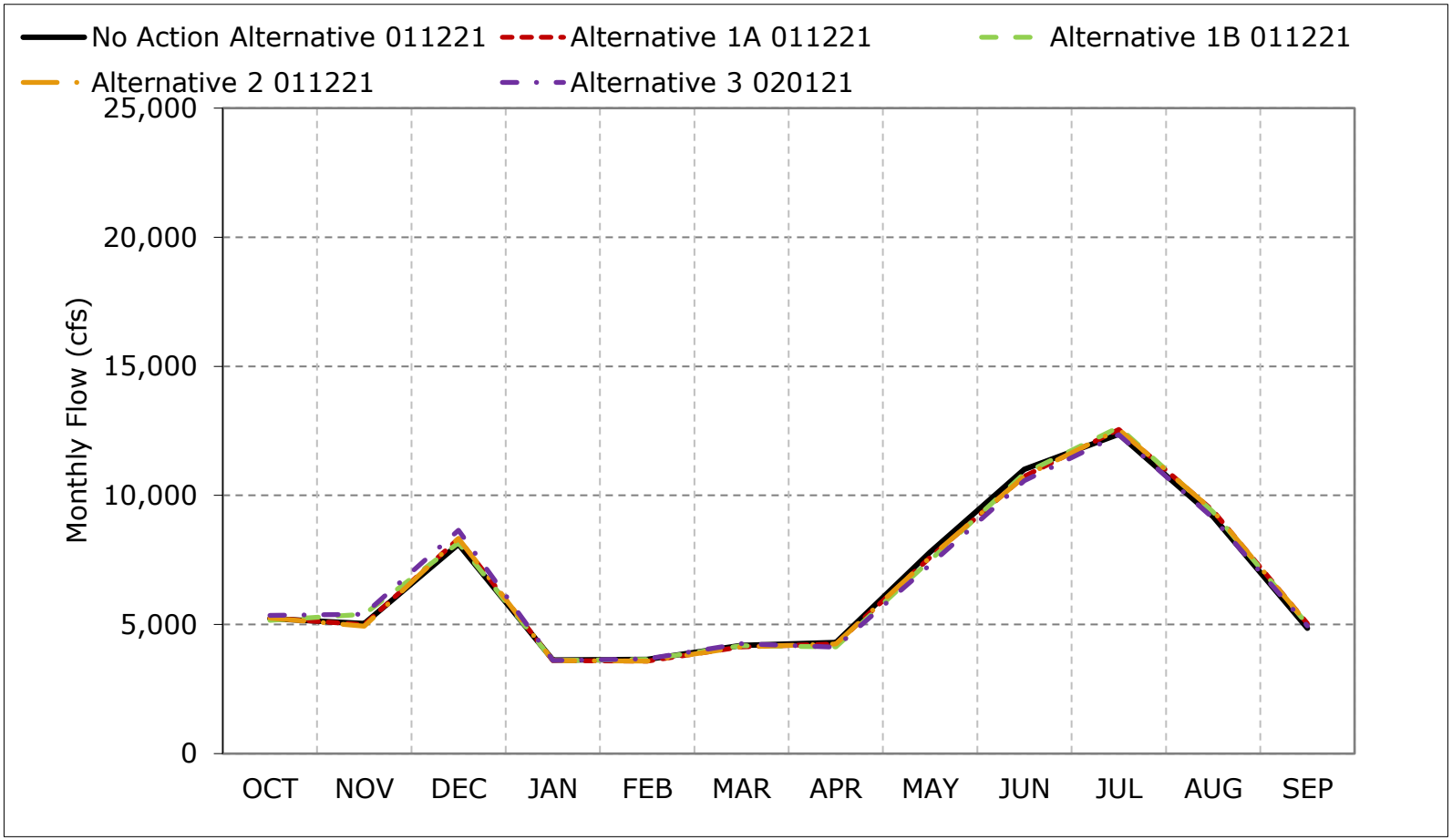
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-10-4. Sacramento River Flow downstream of Keswick Reservoir, Below Normal Year Average Flow



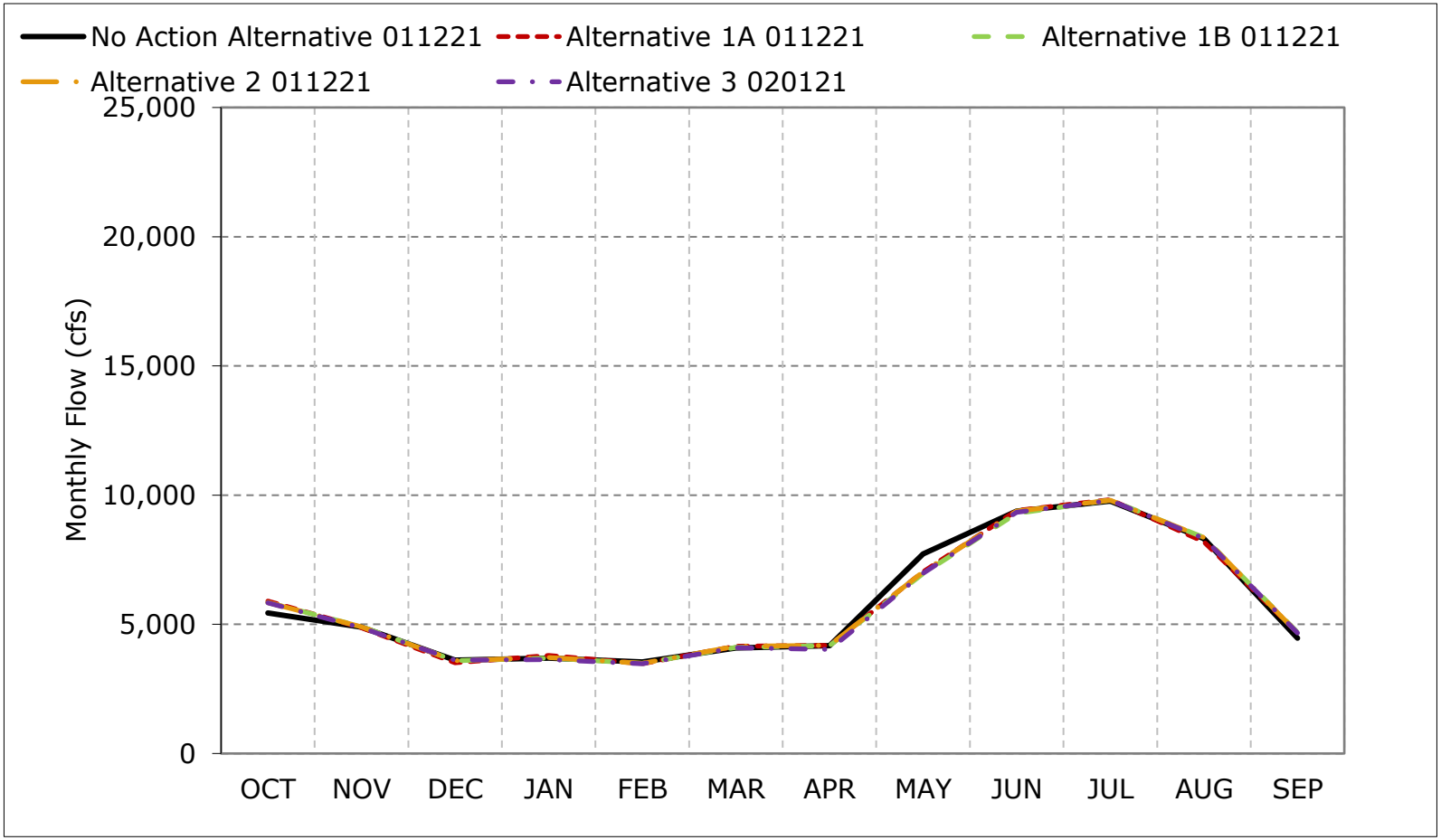
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-10-5. Sacramento River Flow downstream of Keswick Reservoir, 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 5B2-10-6. Sacramento River Flow downstream of Keswick Reservoir, 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 5B2-10-7. Sacramento River Flow downstream of Keswick Reservoir, October

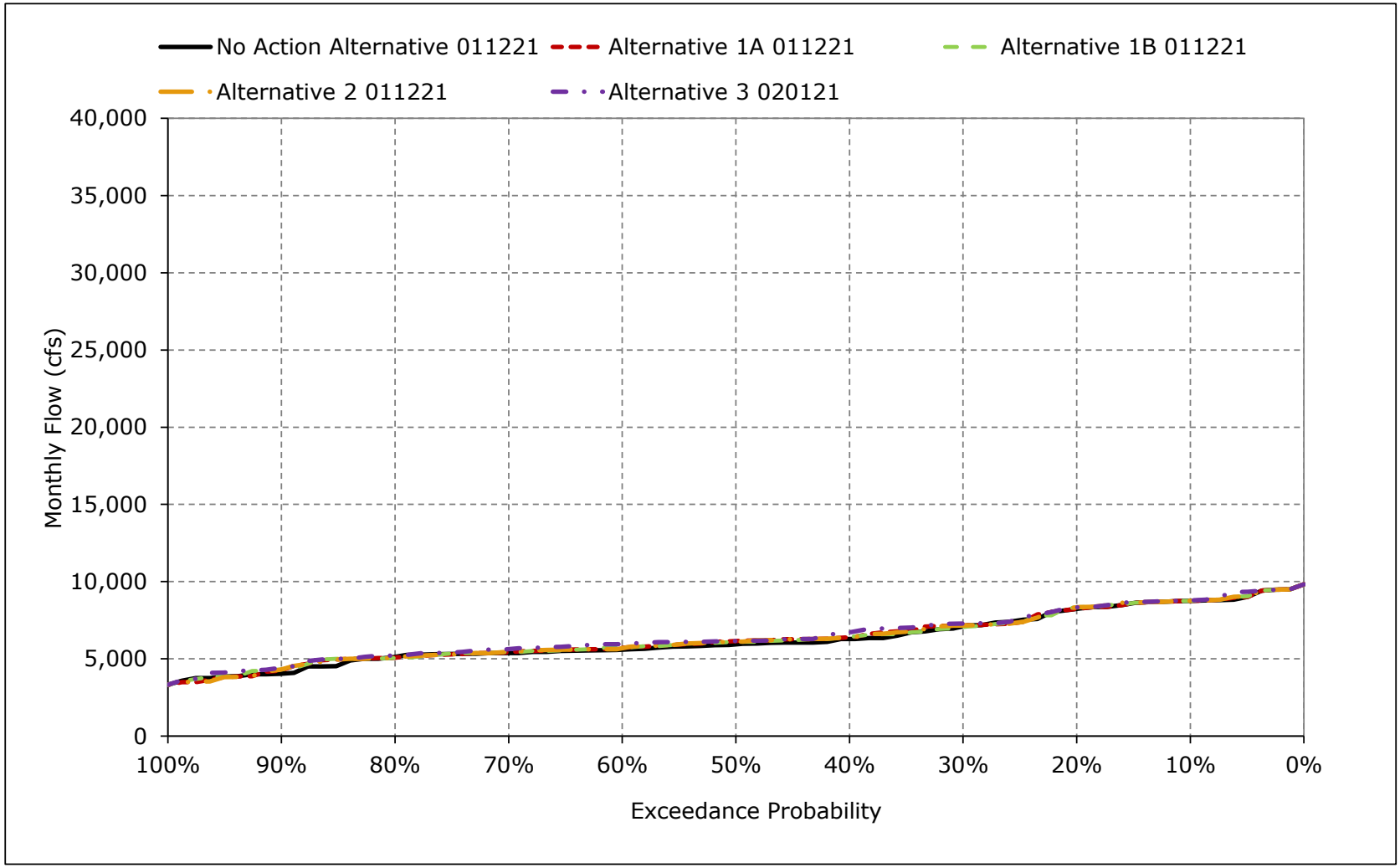


Figure 5B2-10-8. Sacramento River Flow downstream of Keswick Reservoir, November

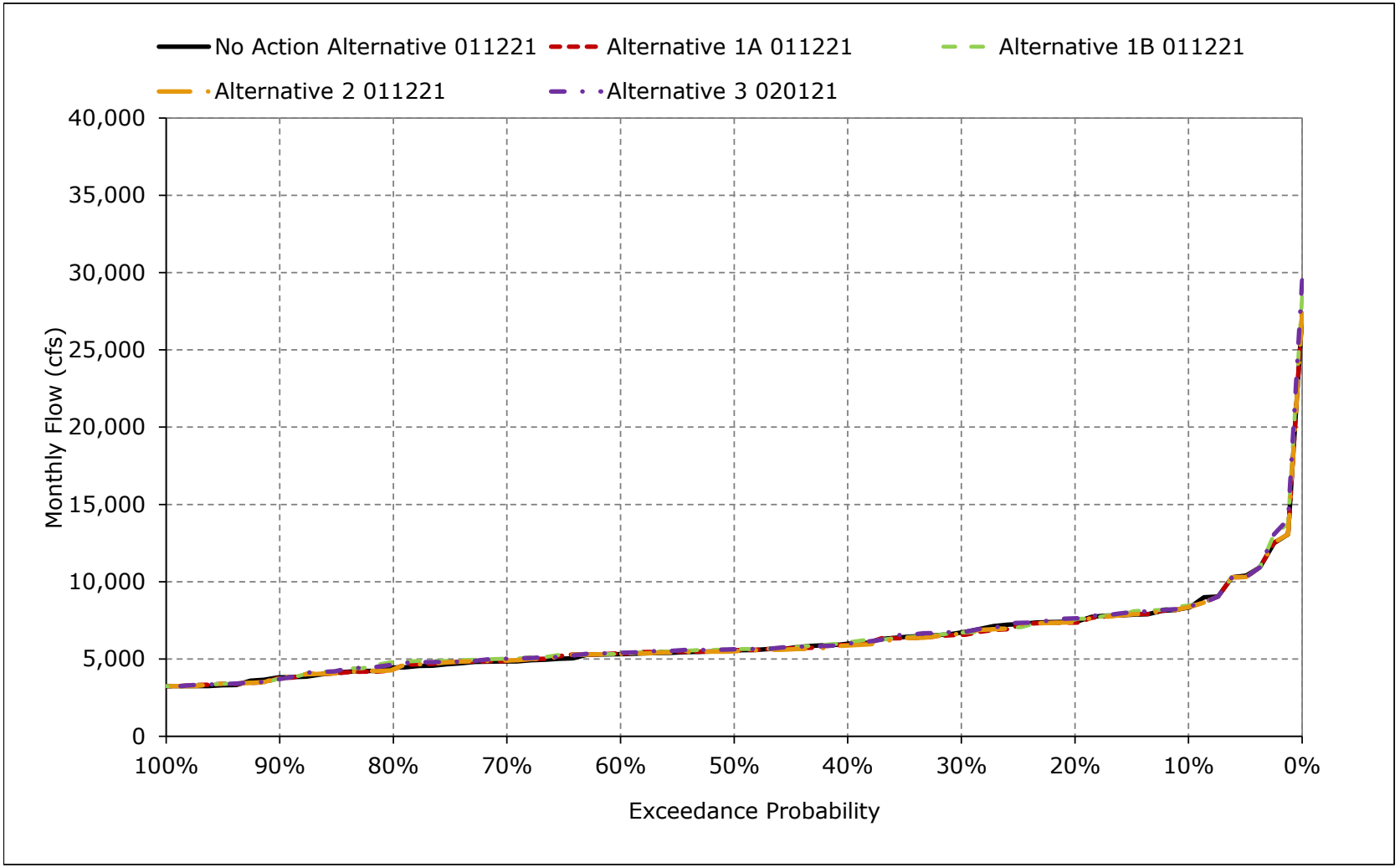


Figure 5B2-10-9. Sacramento River Flow downstream of Keswick Reservoir, December

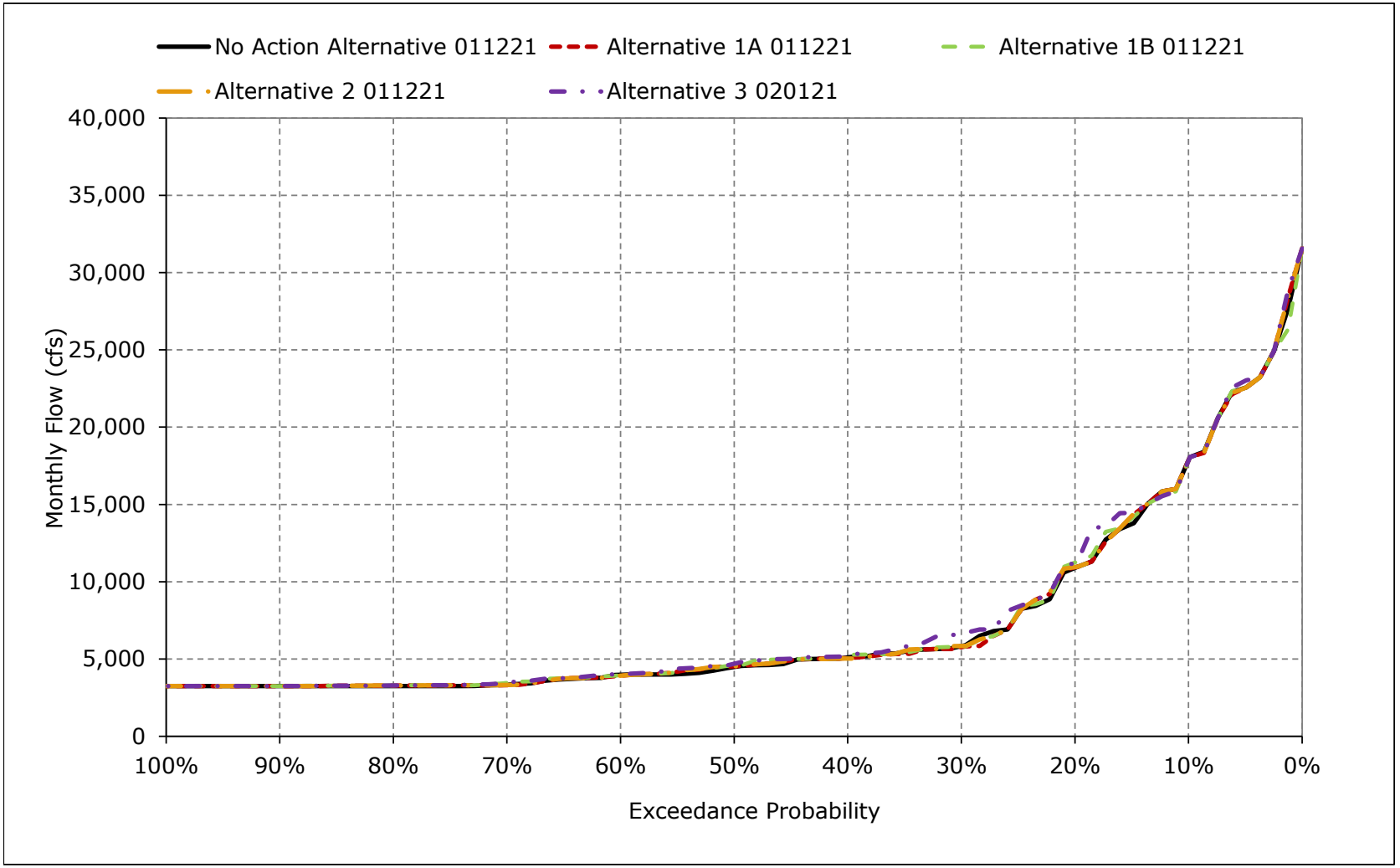


Figure 5B2-10-10. Sacramento River Flow downstream of Keswick Reservoir, January

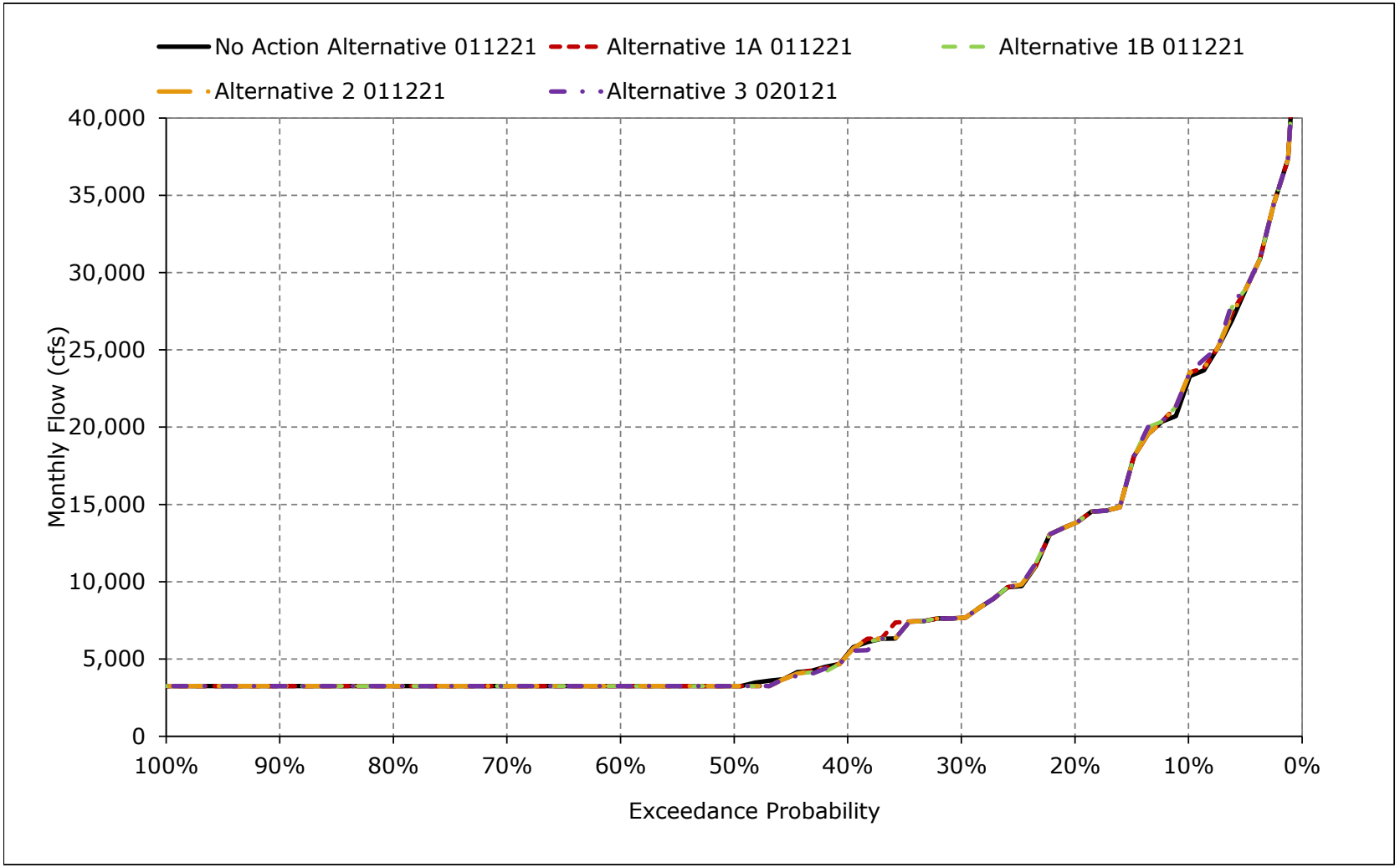


Figure 5B2-10-11. Sacramento River Flow downstream of Keswick Reservoir, February

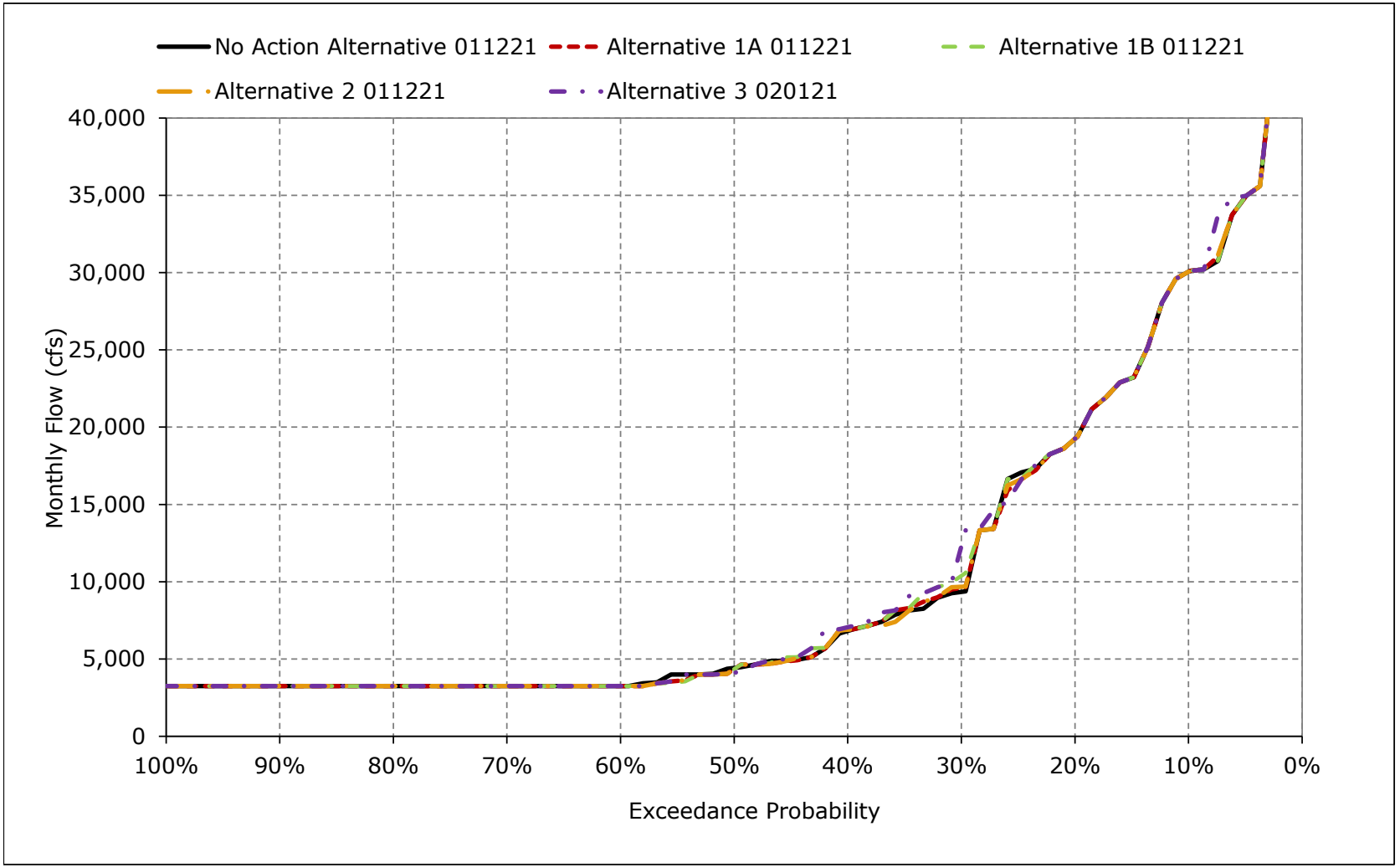


Figure 5B2-10-12. Sacramento River Flow downstream of Keswick Reservoir, March

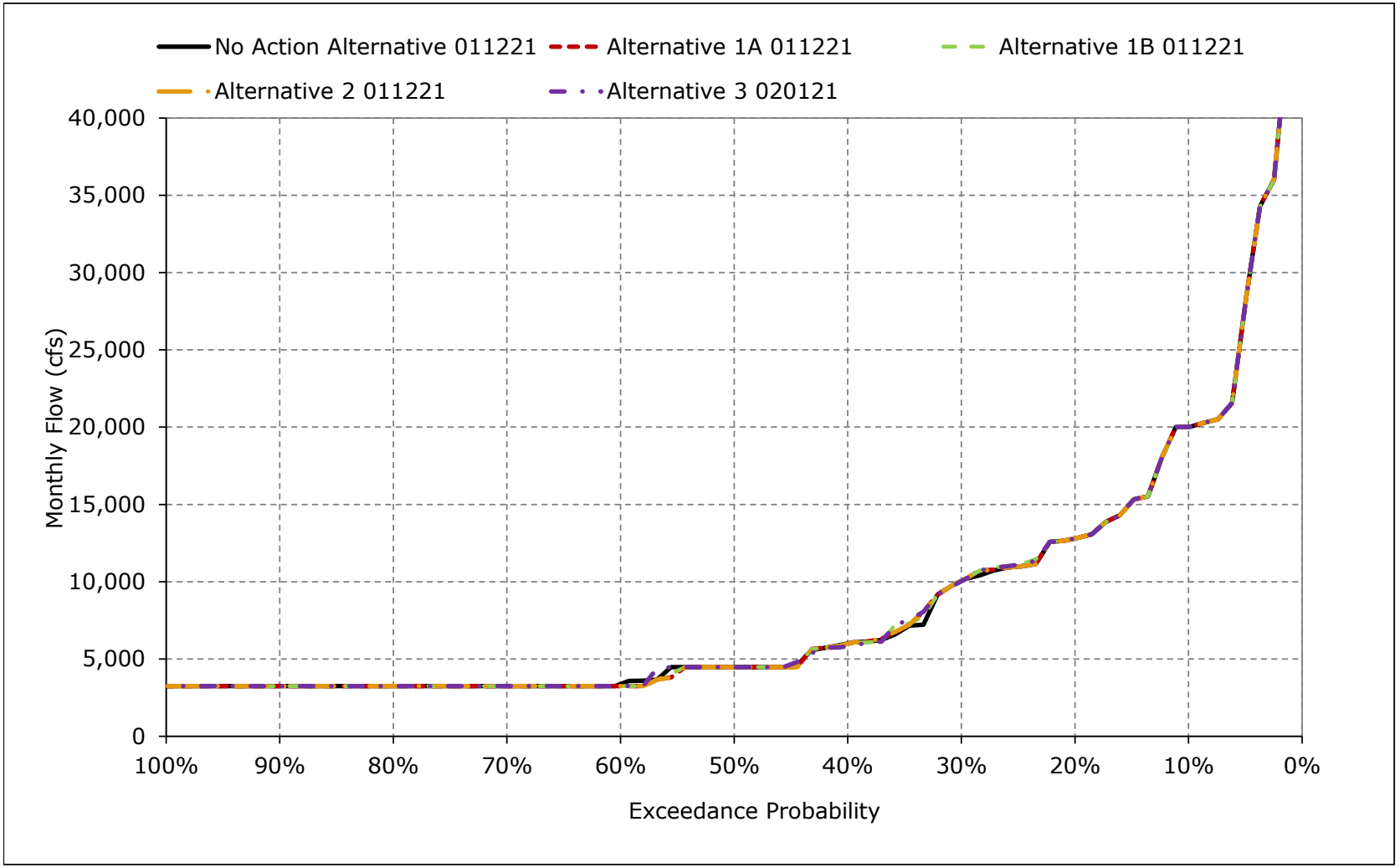


Figure 5B2-10-13. Sacramento River Flow downstream of Keswick Reservoir, April

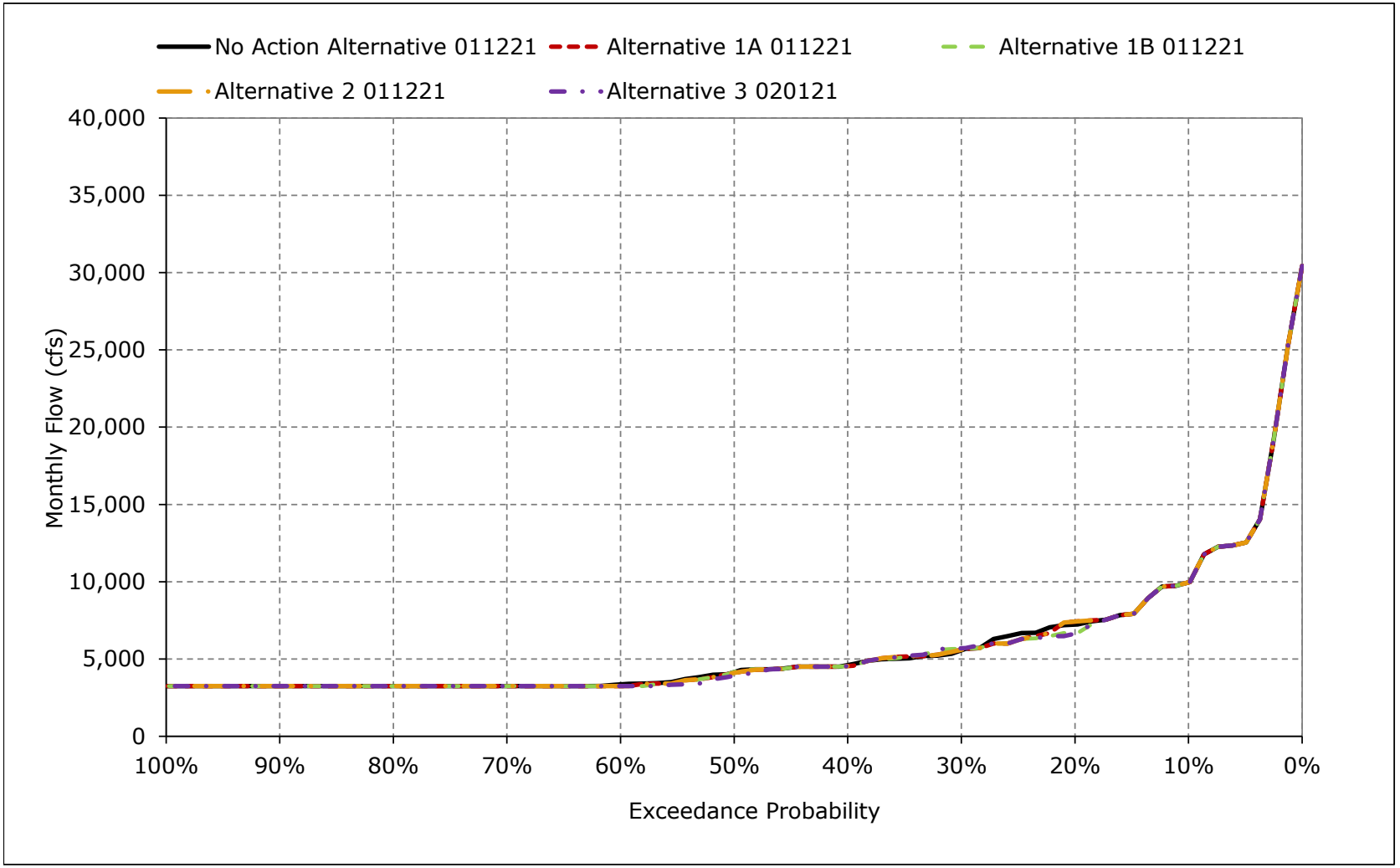


Figure 5B2-10-14. Sacramento River Flow downstream of Keswick Reservoir, May

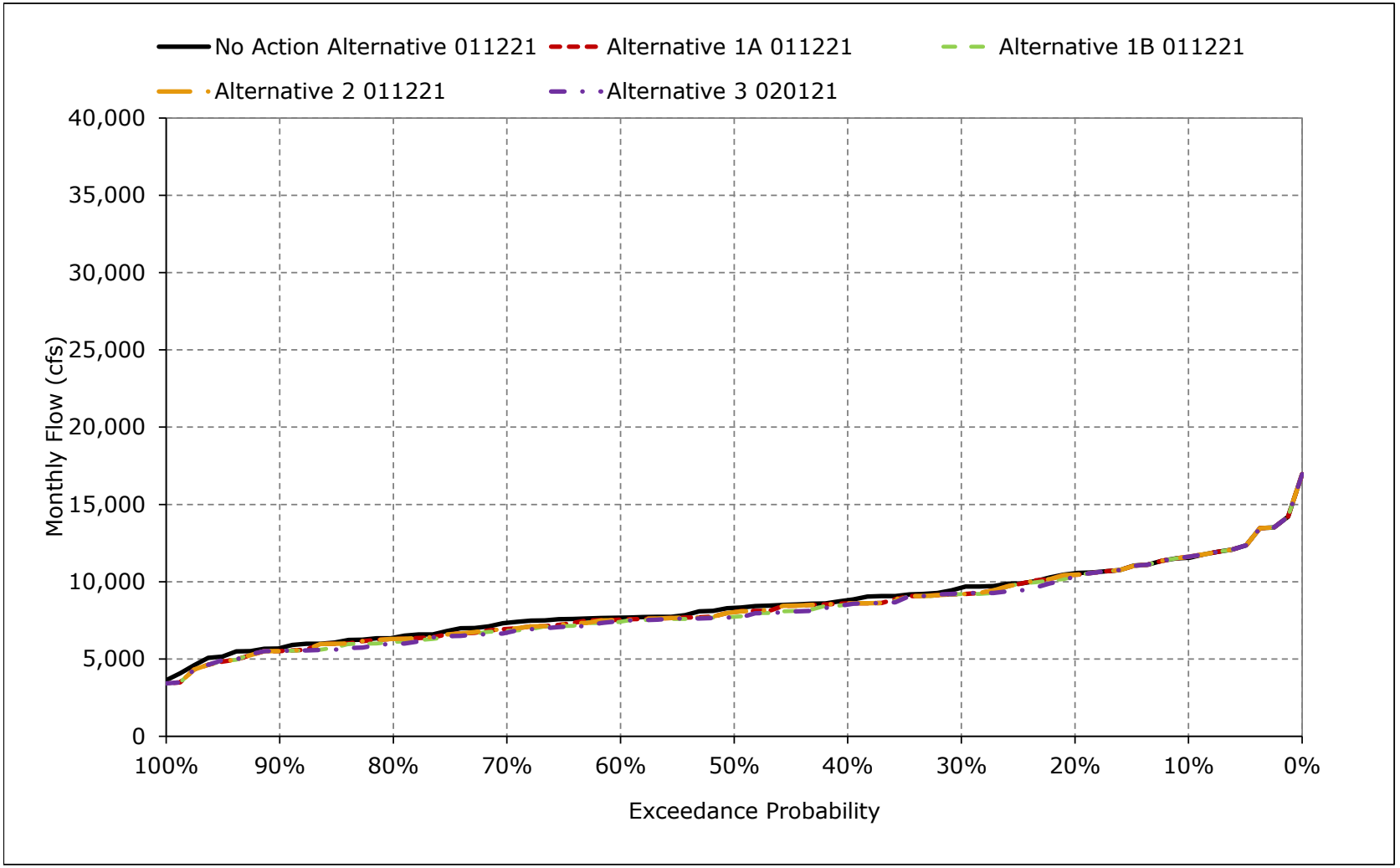


Figure 5B2-10-15. Sacramento River Flow downstream of Keswick Reservoir, June

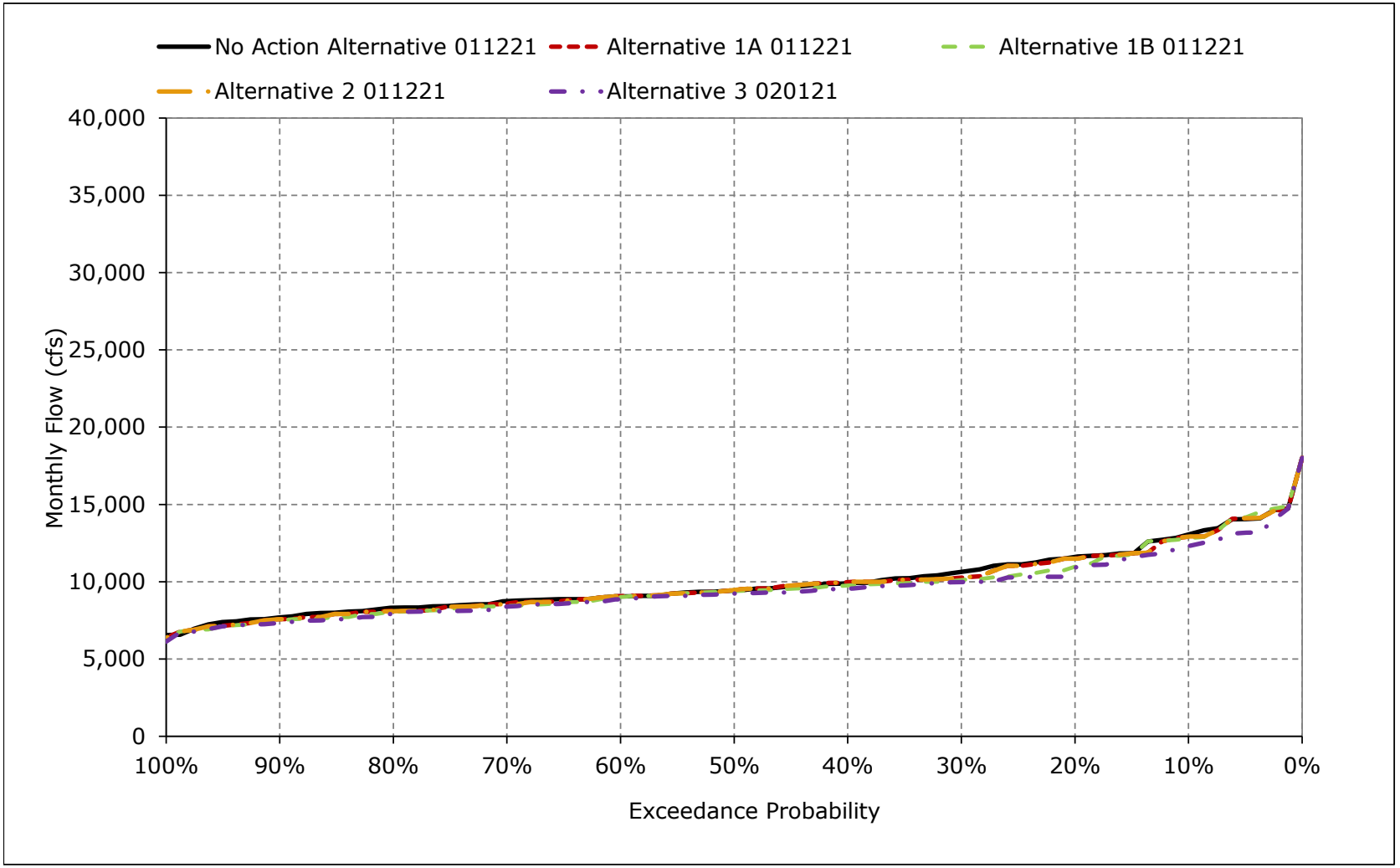


Figure 5B2-10-16. Sacramento River Flow downstream of Keswick Reservoir, July

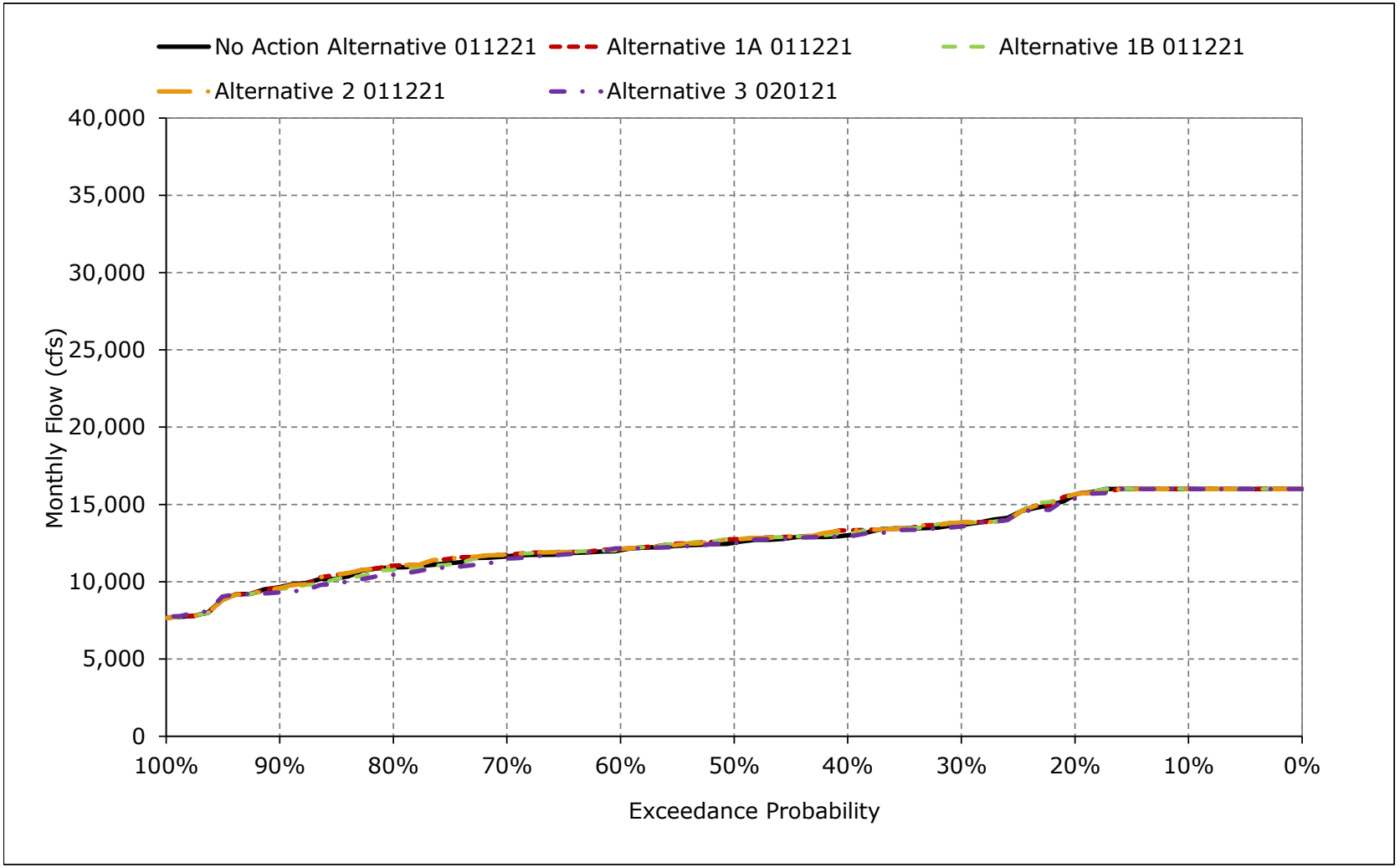


Figure 5B2-10-17. Sacramento River Flow downstream of Keswick Reservoir, August

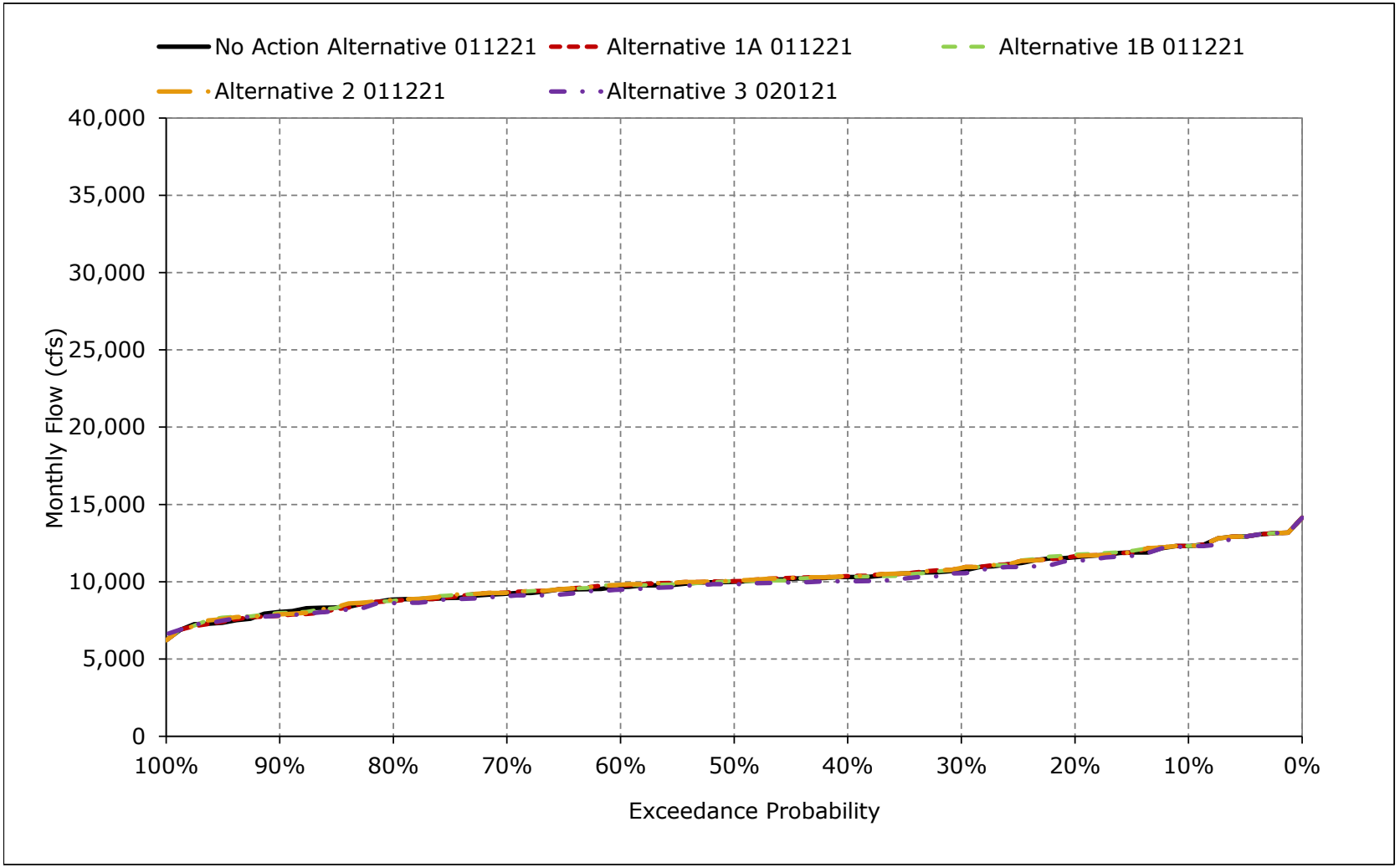


Figure 5B2-10-18. Sacramento River Flow downstream of Keswick Reservoir, September

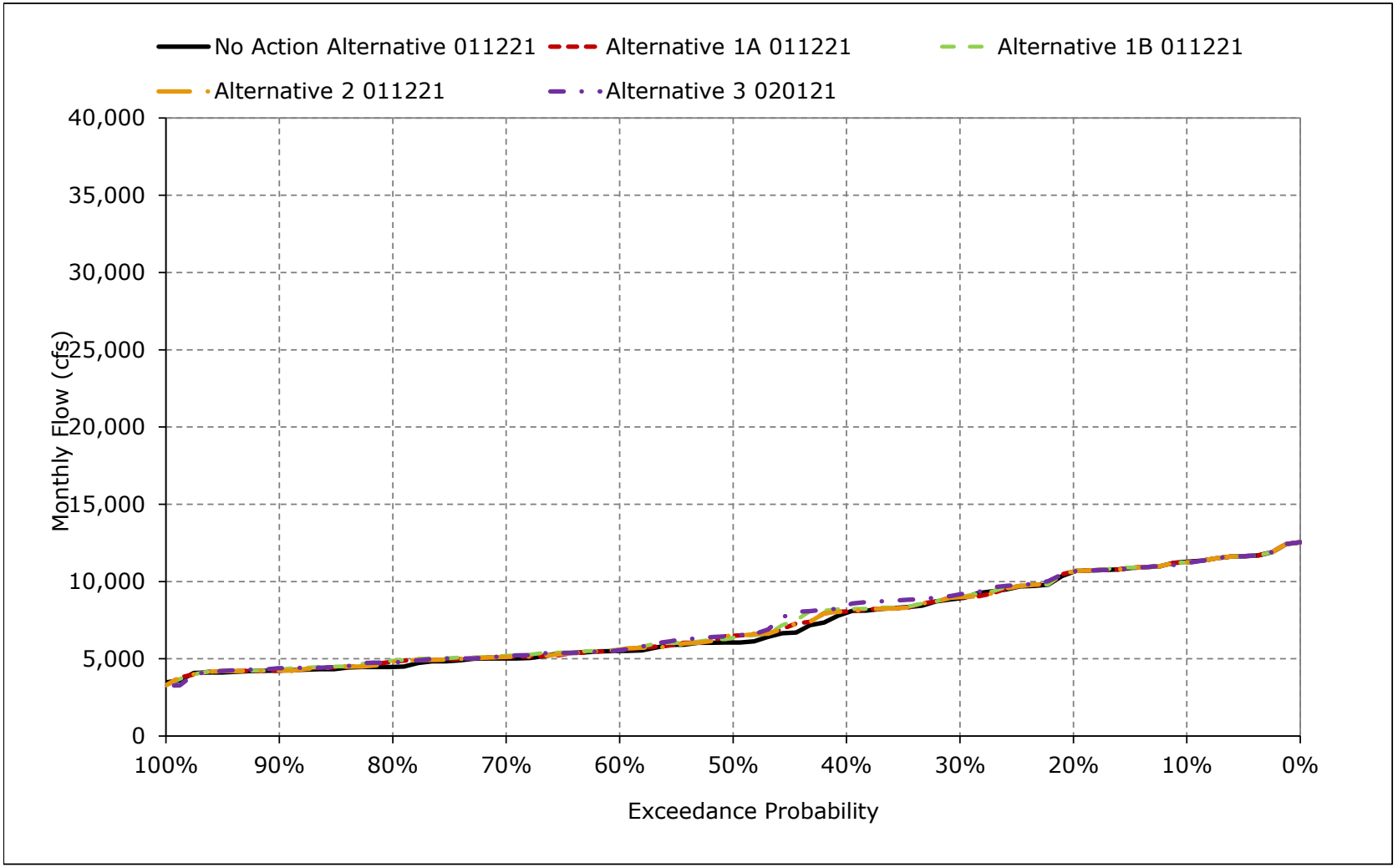


Table 5B2-11-1a. Sacramento Flow River at Bend Bridge, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,656	27,264	38,135	43,710	30,494	17,407	14,566	13,732	16,168	12,530	11,728
20%	8,915	9,281	16,162	23,108	29,235	19,684	13,523	12,724	12,231	15,521	11,650	10,934
30%	7,708	8,418	10,663	15,382	19,550	16,979	8,842	11,203	11,608	14,102	10,831	9,366
40%	7,214	7,999	8,717	12,278	13,528	10,824	7,973	10,016	10,962	13,350	10,545	8,228
50%	6,657	7,159	7,387	8,795	10,841	9,180	6,876	9,389	10,590	13,026	10,181	6,475
60%	6,481	6,829	6,660	7,177	8,700	7,990	6,103	9,026	10,165	12,343	9,856	5,880
70%	6,206	6,529	6,025	6,653	7,458	7,409	5,730	8,696	9,775	11,716	9,423	5,495
80%	6,039	6,173	5,623	5,914	6,260	6,118	5,300	8,044	9,261	11,239	9,042	4,987
90%	5,104	5,850	5,081	4,957	5,328	5,512	4,975	7,454	8,954	9,820	8,355	4,655
Long Term												
Full Simulation Period[a]	7,242	8,459	12,043	15,428	18,565	14,719	9,488	10,495	11,025	12,980	10,323	7,628
Water Year Types[b,c]												
Wet (32%)	8,722	9,466	13,051	28,508	31,283	24,660	14,483	12,724	10,822	13,475	11,605	10,811
Above Normal (15%)	7,023	10,518	11,516	16,345	24,171	17,301	9,681	11,074	11,093	14,827	11,106	8,763
Below Normal (17%)	7,199	8,157	13,104	9,304	12,964	8,785	7,386	9,138	11,318	13,594	9,999	6,115
Dry (22%)	6,073	7,256	13,766	6,713	8,846	8,666	6,462	9,106	11,720	12,521	9,388	5,304
Critical (15%)	6,058	6,376	6,565	6,390	6,515	6,599	5,463	8,754	10,013	10,030	8,545	4,844

Table 5B2-11-1b. Sacramento Flow River at Bend Bridge, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,475	27,266	38,411	43,928	30,495	17,407	14,566	13,661	16,168	12,552	11,724
20%	8,915	9,287	16,692	23,108	29,235	19,704	13,121	12,973	12,180	15,667	11,863	10,934
30%	7,767	8,416	10,662	15,391	19,927	16,979	8,976	11,064	11,525	14,156	11,120	9,313
40%	7,345	7,691	8,737	12,279	13,536	10,826	7,716	9,710	10,824	13,541	10,599	8,430
50%	6,789	7,142	7,270	8,797	10,841	9,272	6,785	9,125	10,574	13,025	10,204	6,760
60%	6,563	6,795	6,436	7,179	8,700	8,056	6,136	8,829	10,126	12,530	9,912	5,895
70%	6,401	6,449	6,012	6,637	7,444	7,410	5,763	8,391	9,465	11,924	9,555	5,536
80%	6,078	6,180	5,564	5,838	6,108	6,124	5,368	7,886	9,258	11,301	9,018	5,118
90%	5,581	5,861	5,241	4,957	5,294	5,513	4,975	7,186	8,852	9,802	8,013	4,685
Long Term												
Full Simulation Period[a]	7,320	8,451	12,068	15,453	18,557	14,719	9,466	10,312	10,931	13,053	10,347	7,706
Water Year Types[b,c]												
Wet (32%)	8,725	9,445	13,022	28,548	31,309	24,660	14,464	12,711	10,768	13,522	11,615	10,813
Above Normal (15%)	7,096	10,530	11,498	16,353	24,302	17,331	9,691	11,011	11,049	14,780	11,073	8,790
Below Normal (17%)	7,171	8,224	13,130	9,307	12,894	8,785	7,354	9,002	11,223	13,700	9,969	6,139
Dry (22%)	6,091	7,210	13,978	6,693	8,782	8,603	6,405	8,898	11,451	12,701	9,607	5,479
Critical (15%)	6,519	6,345	6,468	6,490	6,448	6,669	5,465	8,069	10,043	10,083	8,426	5,054

Table 5B2-11-1c. Sacramento Flow River at Bend Bridge, 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%	0	-180	1	276	218	0	0	0	-71	0	22	-4
20%	0	7	529	0	0	20	-402	249	-51	146	214	0
30%	59	-2	0	9	378	0	133	-139	-83	54	290	-53
40%	131	-308	19	1	8	2	-256	-306	-137	191	54	202
50%	132	-17	-117	2	0	92	-91	-264	-15	-1	22	285
60%	82	-34	-224	1	-1	66	33	-197	-40	187	56	15
70%	194	-79	-13	-17	-14	0	33	-305	-310	207	131	41
80%	39	7	-59	-77	-152	6	68	-157	-3	62	-24	131
90%	477	10	160	0	-34	1	0	-269	-102	-18	-342	30
Long Term												
Full Simulation Period[a]	78	-8	25	25	-8	1	-22	-183	-94	74	24	78
Water Year Types[b,c]												
Wet (32%)	2	-21	-29	40	26	0	-19	-14	-54	47	10	2
Above Normal (15%)	73	11	-18	7	132	30	11	-63	-44	-47	-33	27
Below Normal (17%)	-28	67	26	3	-69	1	-33	-137	-95	106	-30	24
Dry (22%)	17	-46	211	-19	-64	-64	-56	-209	-269	181	219	175
Critical (15%)	461	-31	-97	100	-67	70	2	-685	30	53	-119	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 5B2-11-2a. Sacramento Flow River at Bend Bridge, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,656	27,264	38,135	43,710	30,494	17,407	14,566	13,732	16,168	12,530	11,728
20%	8,915	9,281	16,162	23,108	29,235	19,684	13,523	12,724	12,231	15,521	11,650	10,934
30%	7,708	8,418	10,663	15,382	19,550	16,979	8,842	11,203	11,608	14,102	10,831	9,366
40%	7,214	7,999	8,717	12,278	13,528	10,824	7,973	10,016	10,962	13,350	10,545	8,228
50%	6,657	7,159	7,387	8,795	10,841	9,180	6,876	9,389	10,590	13,026	10,181	6,475
60%	6,481	6,829	6,660	7,177	8,700	7,990	6,103	9,026	10,165	12,343	9,856	5,880
70%	6,206	6,529	6,025	6,653	7,458	7,409	5,730	8,696	9,775	11,716	9,423	5,495
80%	6,039	6,173	5,623	5,914	6,260	6,118	5,300	8,044	9,261	11,239	9,042	4,987
90%	5,104	5,850	5,081	4,957	5,328	5,512	4,975	7,454	8,954	9,820	8,355	4,655
Long Term												
Full Simulation Period[a]	7,242	8,459	12,043	15,428	18,565	14,719	9,488	10,495	11,025	12,980	10,323	7,628
Water Year Types[b,c]												
Wet (32%)	8,722	9,466	13,051	28,508	31,283	24,660	14,483	12,724	10,822	13,475	11,605	10,811
Above Normal (15%)	7,023	10,518	11,516	16,345	24,171	17,301	9,681	11,074	11,093	14,827	11,106	8,763
Below Normal (17%)	7,199	8,157	13,104	9,304	12,964	8,785	7,386	9,138	11,318	13,594	9,999	6,115
Dry (22%)	6,073	7,256	13,766	6,713	8,846	8,666	6,462	9,106	11,720	12,521	9,388	5,304
Critical (15%)	6,058	6,376	6,565	6,390	6,515	6,599	5,463	8,754	10,013	10,030	8,545	4,844

Table 5B2-11-2b. Sacramento Flow River at Bend Bridge, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,492	27,250	38,412	43,713	30,495	17,408	14,566	13,598	16,174	12,552	11,724
20%	8,959	9,385	18,324	23,108	29,236	19,837	13,258	12,970	12,031	15,655	11,944	10,934
30%	7,757	8,412	10,900	15,393	20,246	16,978	8,842	10,995	11,219	14,156	11,078	9,425
40%	7,280	7,857	8,795	12,277	13,908	10,823	7,601	9,703	10,710	13,441	10,498	8,639
50%	6,781	7,339	7,295	8,796	10,842	9,181	6,785	9,046	10,455	13,060	10,174	6,683
60%	6,562	6,810	6,527	7,180	8,700	7,982	6,185	8,713	10,011	12,464	9,914	5,940
70%	6,354	6,504	6,025	6,616	7,444	7,410	5,764	8,204	9,346	11,843	9,572	5,629
80%	6,018	6,228	5,539	5,838	6,211	6,124	5,367	7,865	9,133	10,969	9,007	5,237
90%	5,576	5,940	5,245	4,959	5,288	5,527	4,977	6,893	8,674	9,736	8,345	4,712
Long Term												
Full Simulation Period[a]	7,314	8,551	12,085	15,452	18,626	14,730	9,444	10,229	10,807	13,009	10,366	7,763
Water Year Types[b,c]												
Wet (32%)	8,716	9,365	13,018	28,603	31,356	24,660	14,464	12,711	10,768	13,522	11,616	10,822
Above Normal (15%)	7,171	10,507	11,697	16,353	24,391	17,386	9,734	11,004	10,373	14,471	11,105	9,121
Below Normal (17%)	7,249	8,413	13,214	9,293	13,047	8,785	7,339	8,717	11,028	13,612	9,965	6,205
Dry (22%)	6,005	7,616	13,812	6,692	8,841	8,647	6,293	8,790	11,567	12,783	9,567	5,447
Critical (15%)	6,455	6,393	6,544	6,384	6,465	6,623	5,458	8,000	9,930	10,068	8,588	5,065

Table 5B2-11-2c. Sacramento Flow River at Bend Bridge, 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%	0	-163	-14	277	2	0	1	0	-134	6	22	-4
20%	44	105	2,162	0	2	153	-265	245	-201	135	294	0
30%	49	-7	238	11	697	-1	0	-208	-389	54	247	60
40%	67	-142	78	0	381	-2	-372	-313	-251	90	-47	411
50%	124	181	-92	1	0	0	-91	-343	-135	34	-7	208
60%	81	-19	-133	3	0	-8	82	-312	-154	121	58	60
70%	148	-25	0	-37	-14	0	33	-492	-428	127	149	134
80%	-21	55	-84	-76	-50	6	67	-178	-127	-271	-35	250
90%	472	90	163	2	-39	15	2	-561	-280	-84	-11	57
Long Term												
Full Simulation Period[a]	72	92	42	24	61	12	-44	-266	-217	29	43	135
Water Year Types[b,c]												
Wet (32%)	-6	-101	-33	95	73	0	-19	-14	-54	47	11	11
Above Normal (15%)	148	-11	182	8	220	85	53	-70	-720	-356	-1	358
Below Normal (17%)	51	256	110	-11	84	0	-47	-421	-290	18	-34	90
Dry (22%)	-68	360	45	-21	-4	-19	-169	-317	-153	262	178	143
Critical (15%)	397	17	-22	-6	-50	24	-6	-754	-82	38	44	221

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 5B2-11-3a. Sacramento Flow River at Bend Bridge, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,656	27,264	38,135	43,710	30,494	17,407	14,566	13,732	16,168	12,530	11,728
20%	8,915	9,281	16,162	23,108	29,235	19,684	13,523	12,724	12,231	15,521	11,650	10,934
30%	7,708	8,418	10,663	15,382	19,550	16,979	8,842	11,203	11,608	14,102	10,831	9,366
40%	7,214	7,999	8,717	12,278	13,528	10,824	7,973	10,016	10,962	13,350	10,545	8,228
50%	6,657	7,159	7,387	8,795	10,841	9,180	6,876	9,389	10,590	13,026	10,181	6,475
60%	6,481	6,829	6,660	7,177	8,700	7,990	6,103	9,026	10,165	12,343	9,856	5,880
70%	6,206	6,529	6,025	6,653	7,458	7,409	5,730	8,696	9,775	11,716	9,423	5,495
80%	6,039	6,173	5,623	5,914	6,260	6,118	5,300	8,044	9,261	11,239	9,042	4,987
90%	5,104	5,850	5,081	4,957	5,328	5,512	4,975	7,454	8,954	9,820	8,355	4,655
Long Term												
Full Simulation Period[a]	7,242	8,459	12,043	15,428	18,565	14,719	9,488	10,495	11,025	12,980	10,323	7,628
Water Year Types[b,c]												
Wet (32%)	8,722	9,466	13,051	28,508	31,283	24,660	14,483	12,724	10,822	13,475	11,605	10,811
Above Normal (15%)	7,023	10,518	11,516	16,345	24,171	17,301	9,681	11,074	11,093	14,827	11,106	8,763
Below Normal (17%)	7,199	8,157	13,104	9,304	12,964	8,785	7,386	9,138	11,318	13,594	9,999	6,115
Dry (22%)	6,073	7,256	13,766	6,713	8,846	8,666	6,462	9,106	11,720	12,521	9,388	5,304
Critical (15%)	6,058	6,376	6,565	6,390	6,515	6,599	5,463	8,754	10,013	10,030	8,545	4,844

Table 5B2-11-3b. Sacramento Flow River at Bend Bridge, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,464	27,271	38,412	43,928	30,495	17,407	14,566	13,671	16,168	12,552	11,726
20%	8,915	9,287	16,756	23,108	29,235	19,701	13,126	12,973	12,181	15,658	11,849	10,934
30%	7,772	8,410	10,662	15,392	19,981	16,979	8,976	11,064	11,525	14,156	11,121	9,316
40%	7,218	7,725	8,737	12,279	13,536	10,826	7,716	9,703	10,824	13,534	10,622	8,430
50%	6,789	7,023	7,274	8,797	10,841	9,272	6,785	9,125	10,574	13,025	10,211	6,760
60%	6,566	6,734	6,517	7,179	8,700	8,068	6,138	8,829	10,126	12,515	9,926	5,896
70%	6,373	6,446	6,025	6,636	7,444	7,410	5,763	8,373	9,465	11,926	9,556	5,536
80%	6,077	6,111	5,554	5,837	6,168	6,124	5,368	7,909	9,244	11,293	9,061	5,117
90%	5,503	5,907	5,250	4,957	5,294	5,514	4,975	7,186	8,852	9,749	8,149	4,718
Long Term												
Full Simulation Period[a]	7,320	8,441	12,084	15,438	18,551	14,720	9,466	10,311	10,928	13,049	10,373	7,702
Water Year Types[b,c]												
Wet (32%)	8,725	9,445	13,023	28,543	31,309	24,660	14,464	12,711	10,768	13,523	11,615	10,813
Above Normal (15%)	7,096	10,528	11,498	16,353	24,325	17,330	9,691	11,011	11,048	14,773	11,073	8,797
Below Normal (17%)	7,220	8,215	13,139	9,305	12,831	8,786	7,354	9,002	11,223	13,695	9,978	6,135
Dry (22%)	6,091	7,152	13,984	6,693	8,782	8,606	6,405	8,897	11,452	12,704	9,609	5,476
Critical (15%)	6,461	6,378	6,552	6,403	6,460	6,666	5,465	8,059	10,023	10,060	8,587	5,035

Table 5B2-11-3c. Sacramento Flow River at Bend Bridge, 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%	0	-192	7	277	218	0	0	0	-60	0	22	-2
20%	0	7	594	0	0	17	-398	249	-51	138	199	0
30%	63	-8	0	9	432	0	134	-139	-83	54	291	-50
40%	5	-274	19	1	8	2	-256	-313	-137	184	77	202
50%	132	-136	-112	2	0	91	-91	-264	-15	-2	29	285
60%	85	-95	-143	1	0	79	35	-197	-40	173	70	15
70%	167	-83	1	-17	-14	0	33	-322	-309	209	132	41
80%	39	-62	-70	-77	-93	6	68	-135	-17	53	18	130
90%	399	57	169	0	-34	2	0	-268	-102	-71	-207	62
Long Term												
Full Simulation Period[a]	78	-18	40	10	-14	1	-22	-184	-97	69	50	75
Water Year Types[b,c]												
Wet (32%)	2	-21	-28	36	26	0	-19	-14	-54	48	10	2
Above Normal (15%)	73	10	-18	7	154	28	11	-63	-45	-54	-32	34
Below Normal (17%)	21	57	35	2	-132	1	-33	-136	-95	101	-21	20
Dry (22%)	18	-105	218	-20	-64	-61	-56	-209	-268	184	221	172
Critical (15%)	403	2	-13	13	-54	68	2	-695	11	30	42	190

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 5B2-11-4a. Sacramento Flow River at Bend Bridge, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,860	12,656	27,264	38,135	43,710	30,494	17,407	14,566	13,732	16,168	12,530	11,728
20%	8,915	9,281	16,162	23,108	29,235	19,684	13,523	12,724	12,231	15,521	11,650	10,934
30%	7,708	8,418	10,663	15,382	19,550	16,979	8,842	11,203	11,608	14,102	10,831	9,366
40%	7,214	7,999	8,717	12,278	13,528	10,824	7,973	10,016	10,962	13,350	10,545	8,228
50%	6,657	7,159	7,387	8,795	10,841	9,180	6,876	9,389	10,590	13,026	10,181	6,475
60%	6,481	6,829	6,660	7,177	8,700	7,990	6,103	9,026	10,165	12,343	9,856	5,880
70%	6,206	6,529	6,025	6,653	7,458	7,409	5,730	8,696	9,775	11,716	9,423	5,495
80%	6,039	6,173	5,623	5,914	6,260	6,118	5,300	8,044	9,261	11,239	9,042	4,987
90%	5,104	5,850	5,081	4,957	5,328	5,512	4,975	7,454	8,954	9,820	8,355	4,655
Long Term												
Full Simulation Period[a]	7,242	8,459	12,043	15,428	18,565	14,719	9,488	10,495	11,025	12,980	10,323	7,628
Water Year Types[b,c]												
Wet (32%)	8,722	9,466	13,051	28,508	31,283	24,660	14,483	12,724	10,822	13,475	11,605	10,811
Above Normal (15%)	7,023	10,518	11,516	16,345	24,171	17,301	9,681	11,074	11,093	14,827	11,106	8,763
Below Normal (17%)	7,199	8,157	13,104	9,304	12,964	8,785	7,386	9,138	11,318	13,594	9,999	6,115
Dry (22%)	6,073	7,256	13,766	6,713	8,846	8,666	6,462	9,106	11,720	12,521	9,388	5,304
Critical (15%)	6,058	6,376	6,565	6,390	6,515	6,599	5,463	8,754	10,013	10,030	8,545	4,844

Table 5B2-11-4b. Sacramento Flow River at Bend Bridge, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,889	12,557	27,275	38,416	43,929	30,495	17,409	14,567	13,060	16,164	12,488	11,716
20%	8,959	9,379	18,967	23,109	29,238	19,820	13,866	12,970	11,872	15,503	11,496	10,935
30%	8,203	8,616	12,248	15,394	20,724	16,978	8,842	10,539	10,878	14,051	10,739	9,559
40%	7,403	7,929	8,793	12,278	14,598	10,825	7,600	9,701	10,634	13,320	10,181	8,897
50%	6,845	7,177	7,121	8,795	10,841	9,180	6,785	8,972	10,190	12,939	10,000	6,788
60%	6,625	6,725	6,495	7,034	8,702	7,855	6,104	8,662	9,837	12,435	9,652	6,051
70%	6,463	6,462	5,984	6,622	7,445	7,409	5,727	8,387	9,270	11,696	9,248	5,642
80%	6,094	6,171	5,627	5,837	6,247	6,124	5,305	7,542	9,055	10,632	8,856	5,107
90%	5,724	5,940	5,159	4,959	5,294	5,527	4,937	6,871	8,439	9,644	8,199	4,683
Long Term												
Full Simulation Period[a]	7,459	8,584	12,269	15,447	18,799	14,746	9,430	10,188	10,589	12,872	10,156	7,821
Water Year Types[b,c]												
Wet (32%)	8,725	9,374	13,026	28,611	31,525	24,660	14,465	12,711	10,768	13,523	11,615	10,815
Above Normal (15%)	7,554	10,648	11,896	16,354	25,066	17,376	9,735	11,004	10,103	14,115	10,180	9,519
Below Normal (17%)	7,521	8,514	13,458	9,294	13,142	8,784	7,394	8,696	10,316	13,500	9,873	6,307
Dry (22%)	6,192	7,613	14,300	6,691	8,873	8,730	6,279	8,617	11,281	12,498	9,323	5,397
Critical (15%)	6,447	6,345	6,569	6,329	6,447	6,613	5,317	8,005	9,966	10,044	8,550	5,038

Table 5B2-11-4c. Sacramento Flow River at Bend Bridge, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

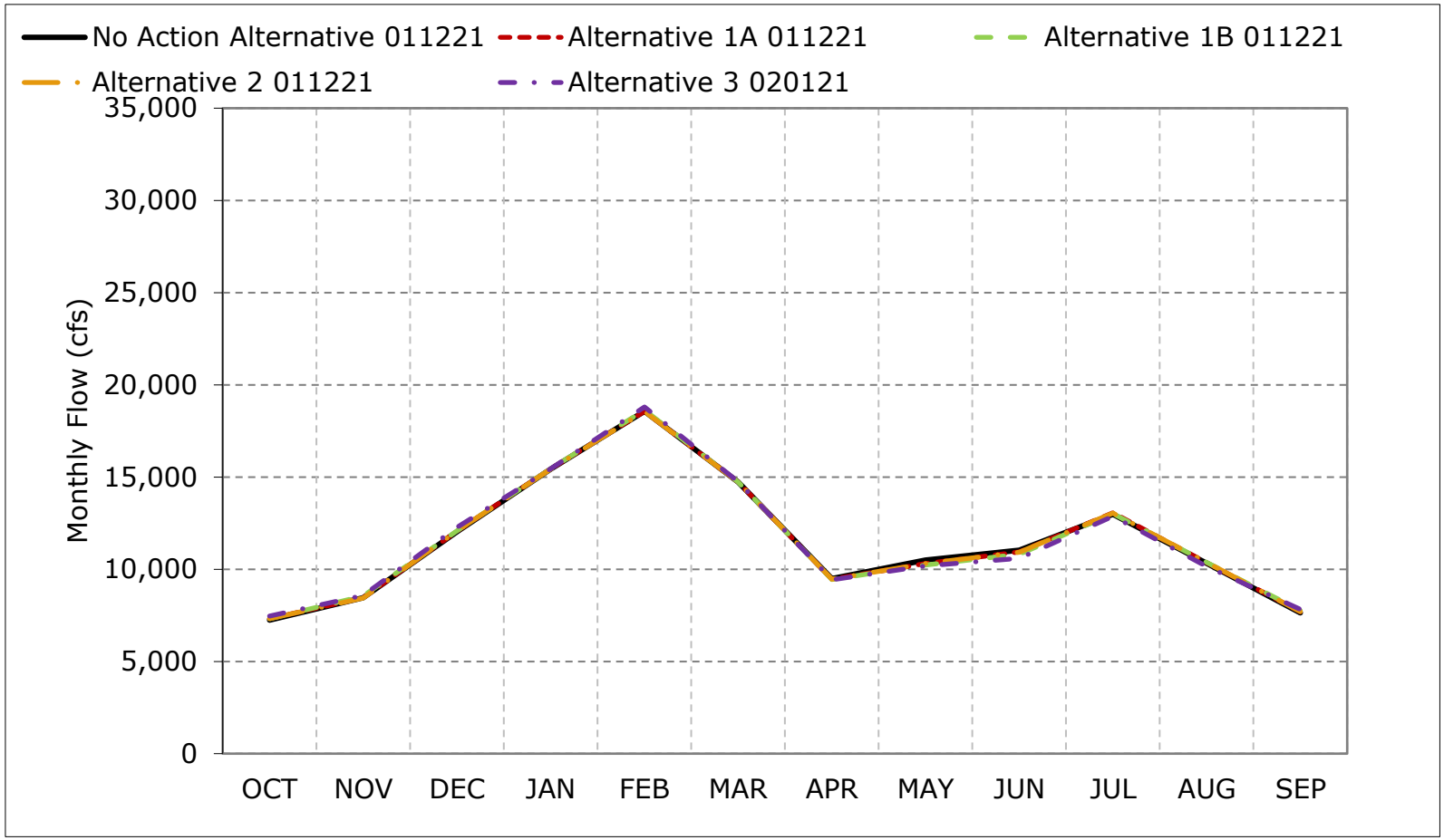
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	29	-99	11	281	218	1	2	1	-672	-4	-42	-13
20%	45	99	2,805	1	4	136	343	245	-359	-18	-153	0
30%	495	198	1,585	11	1,174	-1	0	-664	-730	-51	-91	194
40%	189	-70	76	0	1,070	0	-372	-315	-328	-30	-364	669
50%	188	19	-266	0	0	0	-91	-417	-400	-88	-182	313
60%	144	-104	-164	-144	2	-135	1	-364	-329	93	-204	171
70%	257	-67	-41	-31	-13	0	-3	-309	-505	-20	-175	147
80%	55	-2	3	-77	-13	6	4	-502	-206	-607	-186	120
90%	620	89	78	2	-34	15	-38	-584	-515	-176	-156	28
Long Term												
Full Simulation Period[a]	217	124	226	19	234	27	-58	-307	-436	-108	-167	193
Water Year Types[b,c]												
Wet (32%)	3	-92	-25	103	242	0	-18	-14	-53	48	10	3
Above Normal (15%)	531	129	381	9	895	75	55	-70	-990	-712	-926	756
Below Normal (17%)	322	357	355	-10	178	0	7	-442	-1,001	-94	-126	191
Dry (22%)	119	356	534	-22	27	64	-182	-490	-439	-23	-65	93
Critical (15%)	389	-31	3	-61	-67	15	-147	-750	-46	14	5	194

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).

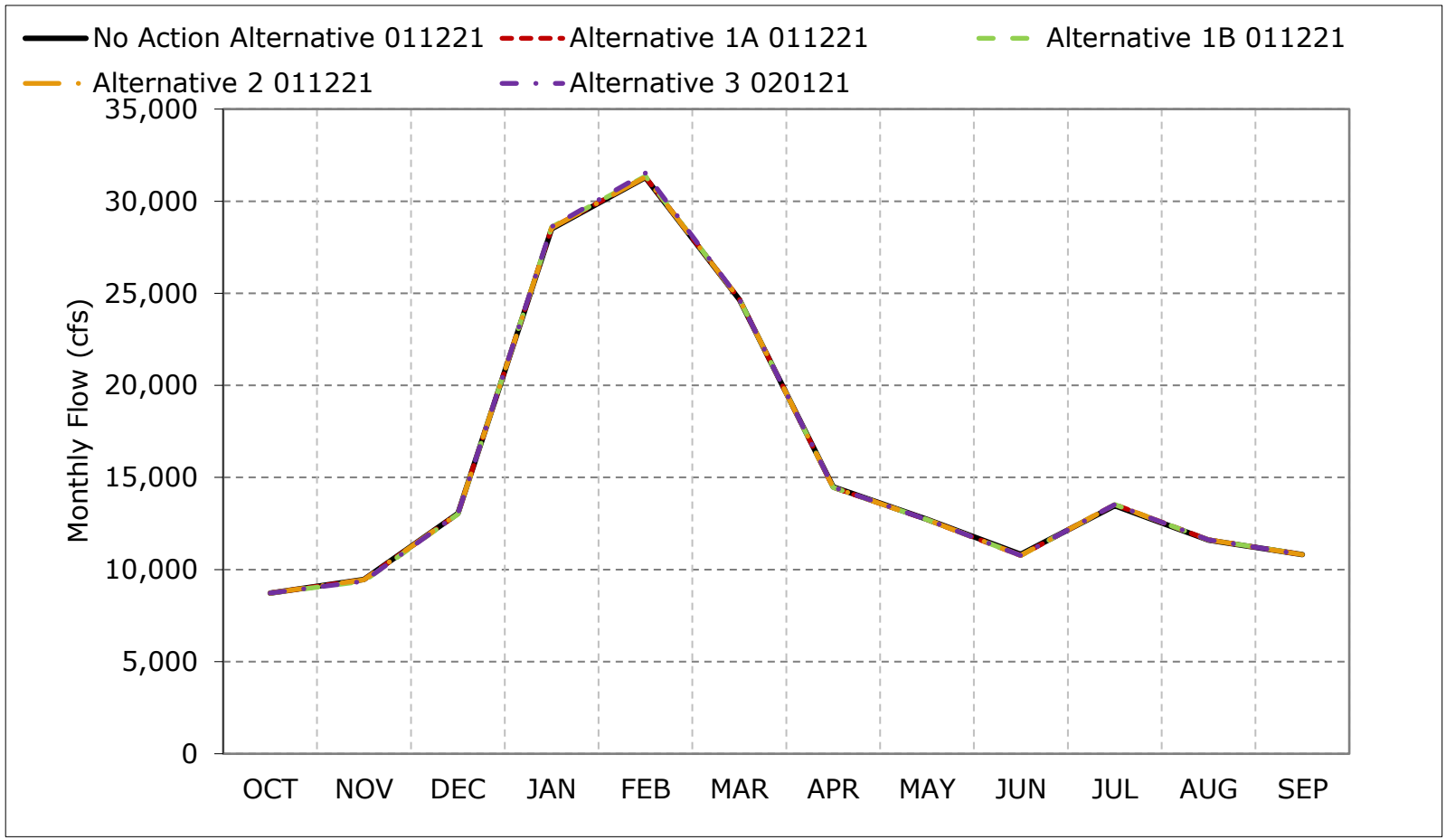
c These results are displayed with calendar year - year type sorting.

Figure 5B2-11-1. Sacramento Flow River at Bend Bridge, Long-Term Average Flow



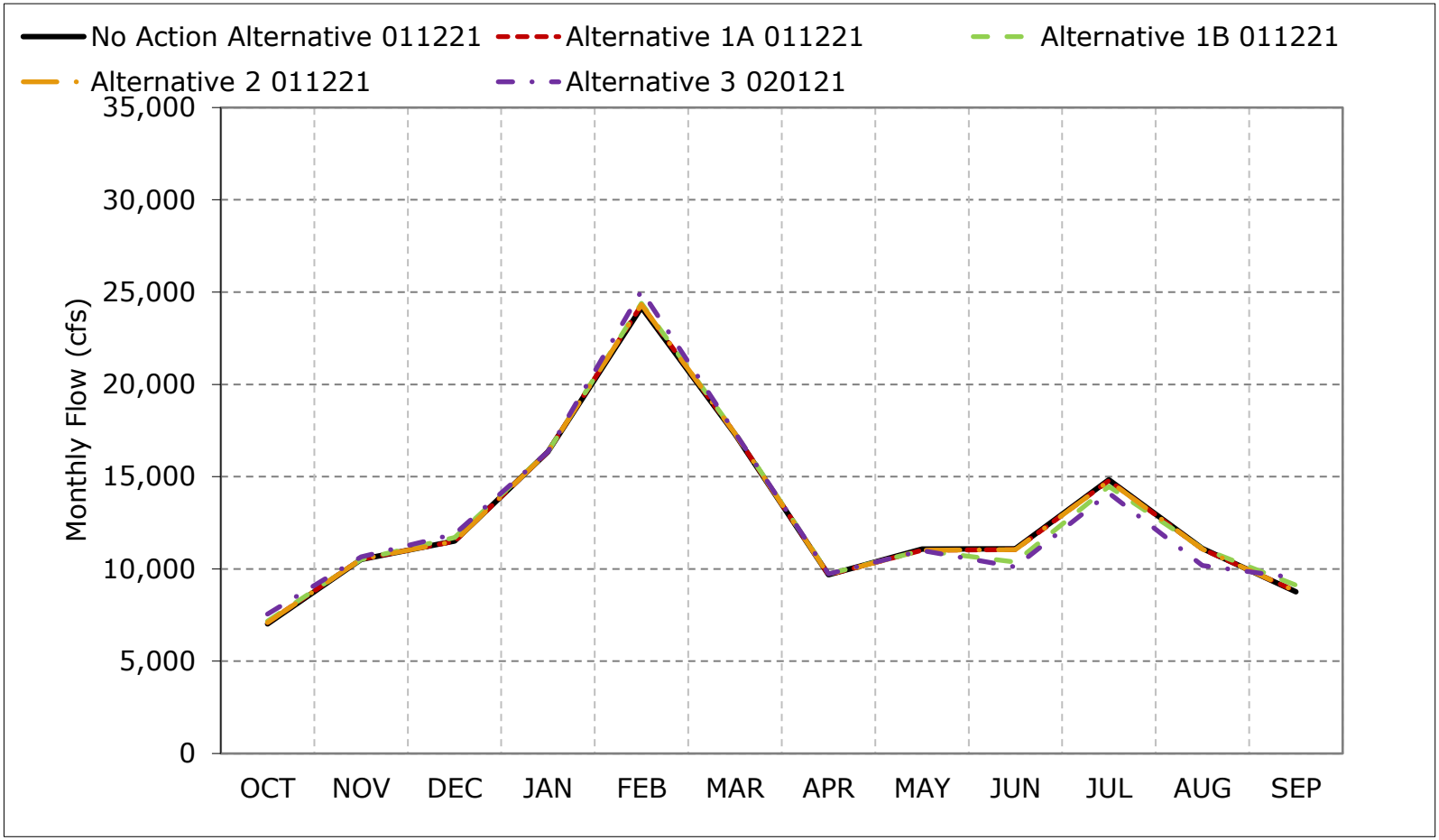
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-11-2. Sacramento Flow River at Bend Bridge, Wet Year Average Flow



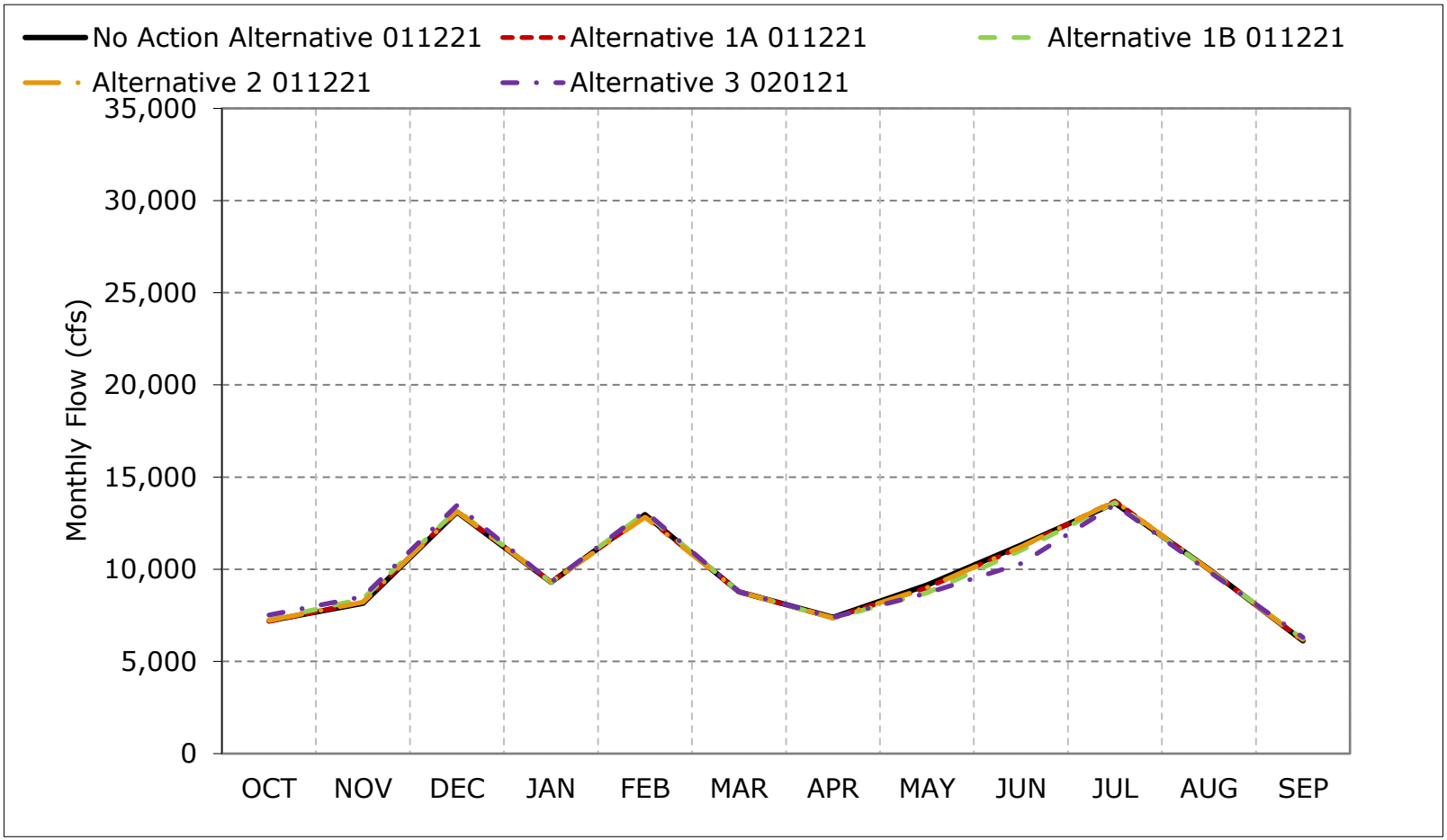
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-11-3. Sacramento Flow River at Bend Bridge, Above Normal Year Average Flow



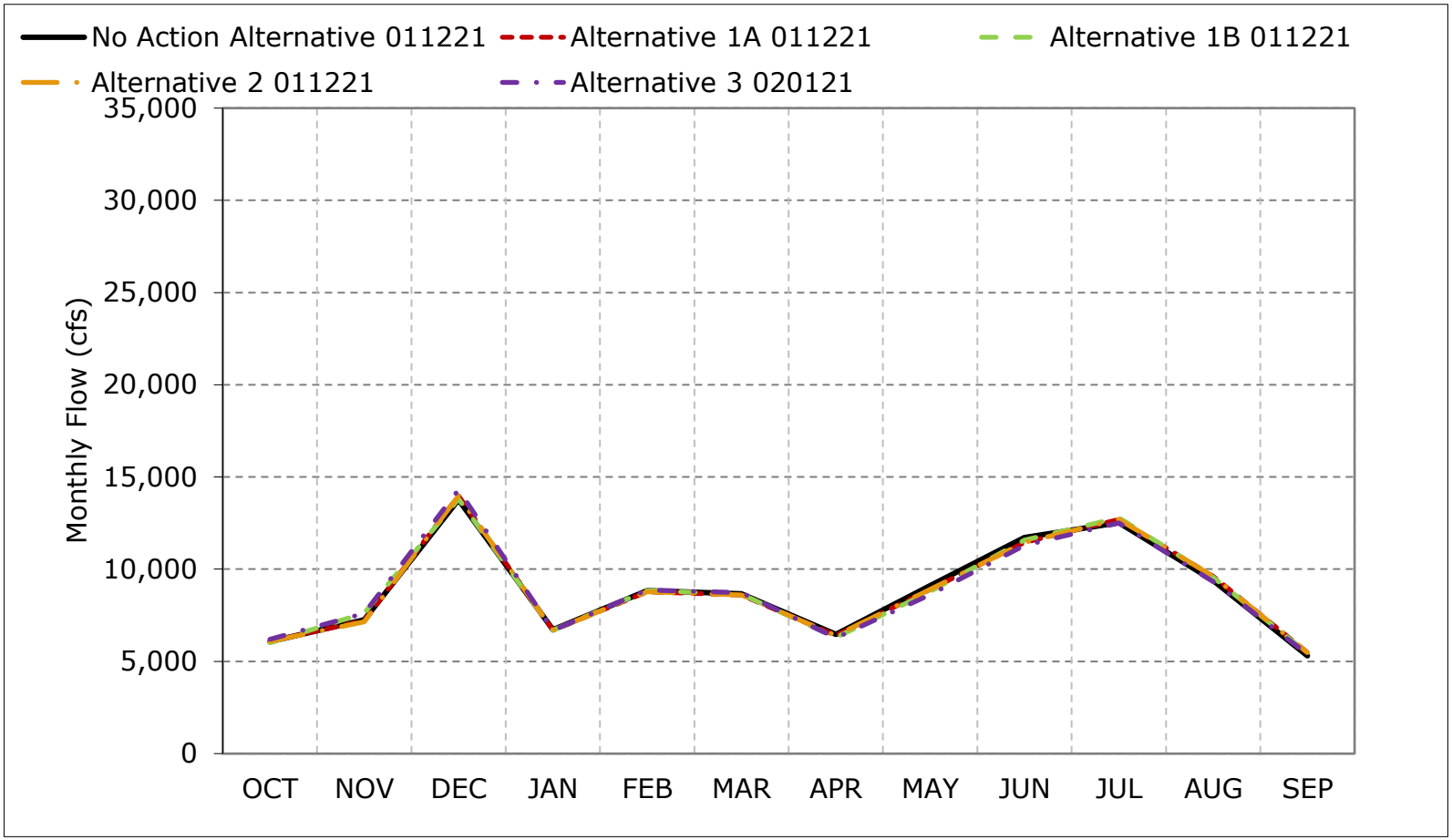
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-11-4. Sacramento Flow River at Bend Bridge, Below Normal Year Average Flow



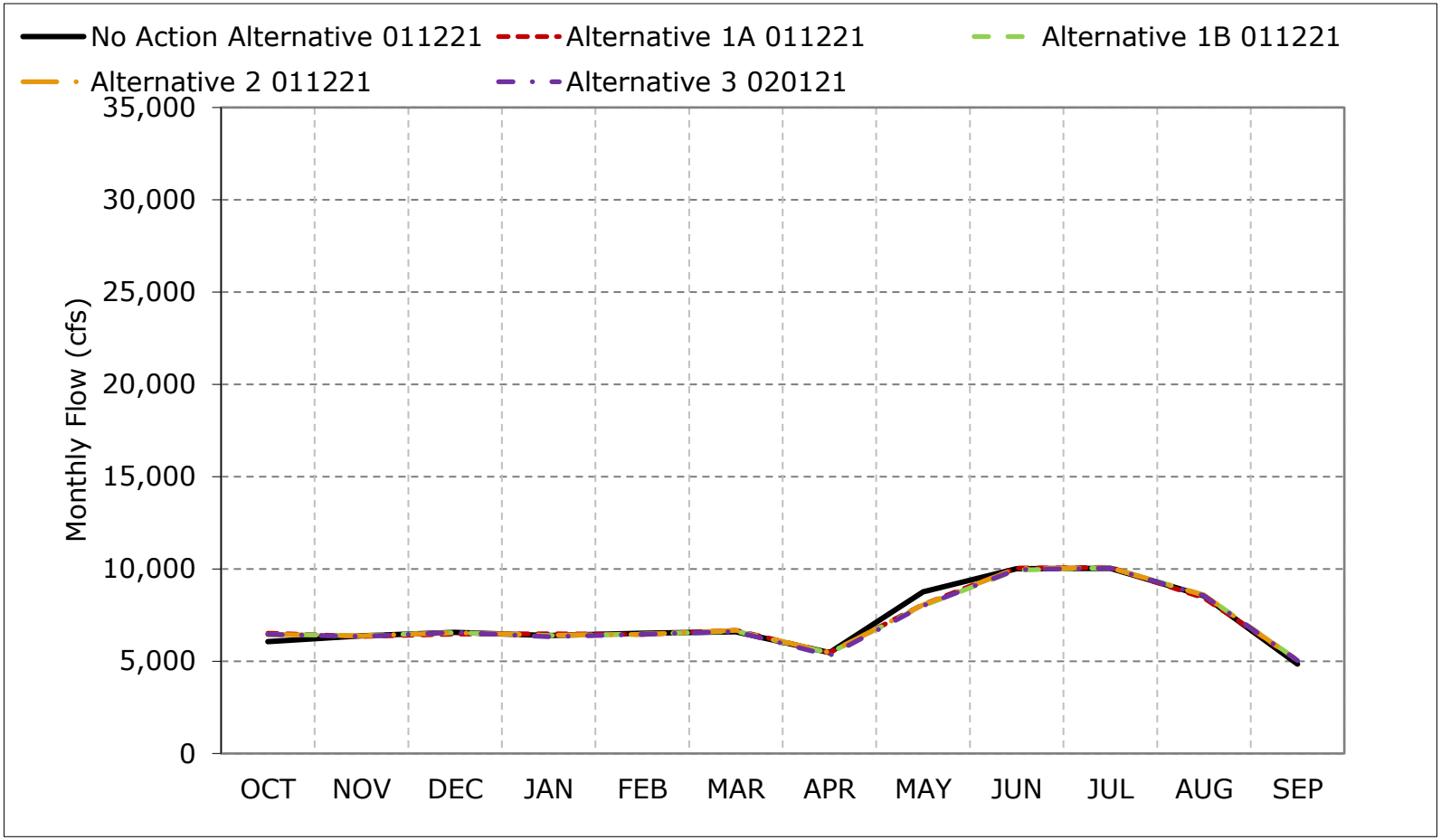
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-11-5. Sacramento Flow River at Bend Bridge, 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 5B2-11-6. Sacramento Flow River at Bend Bridge, 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 5B2-11-7. Sacramento Flow River at Bend Bridge, October

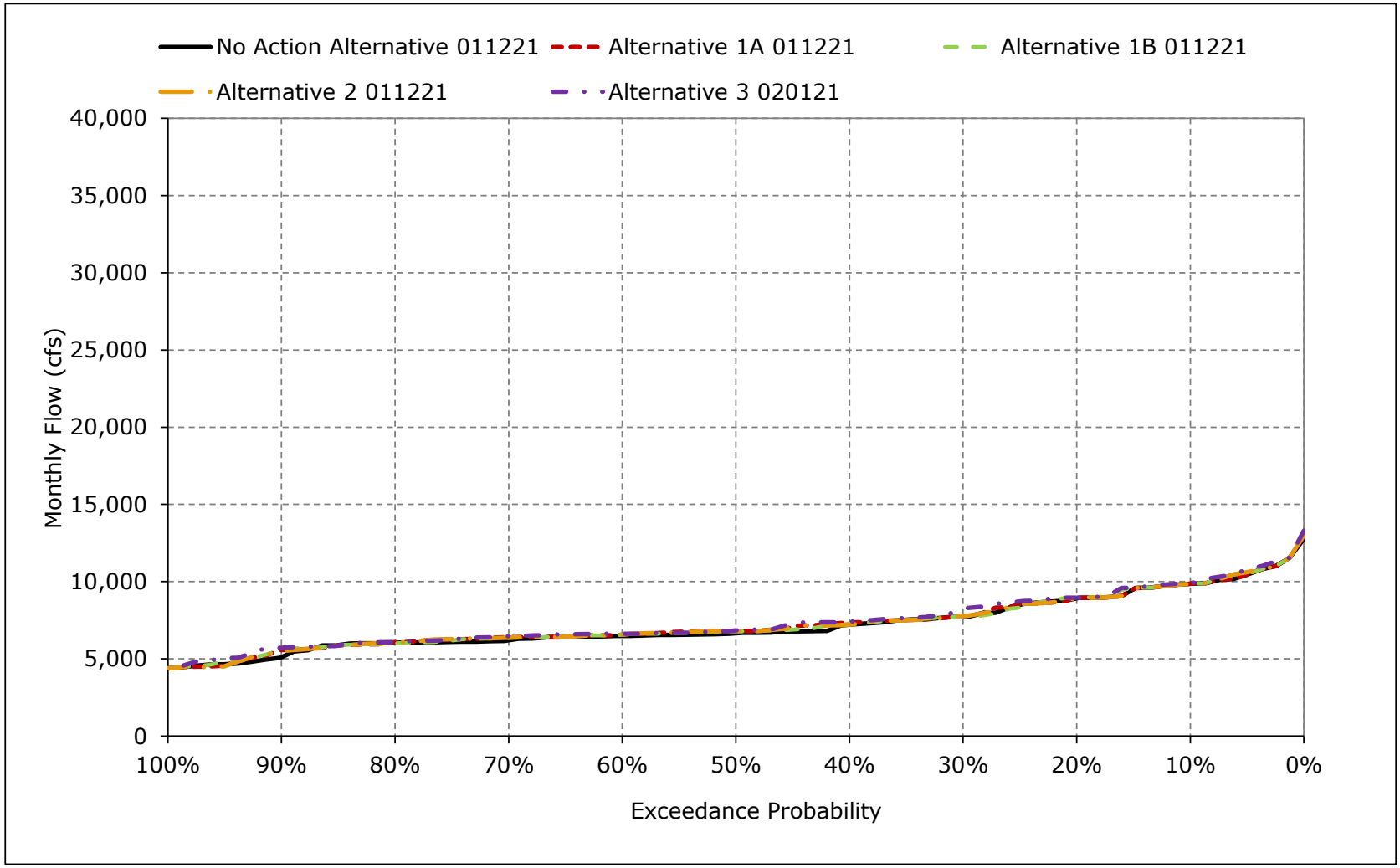


Figure 5B2-11-8. Sacramento Flow River at Bend Bridge, November

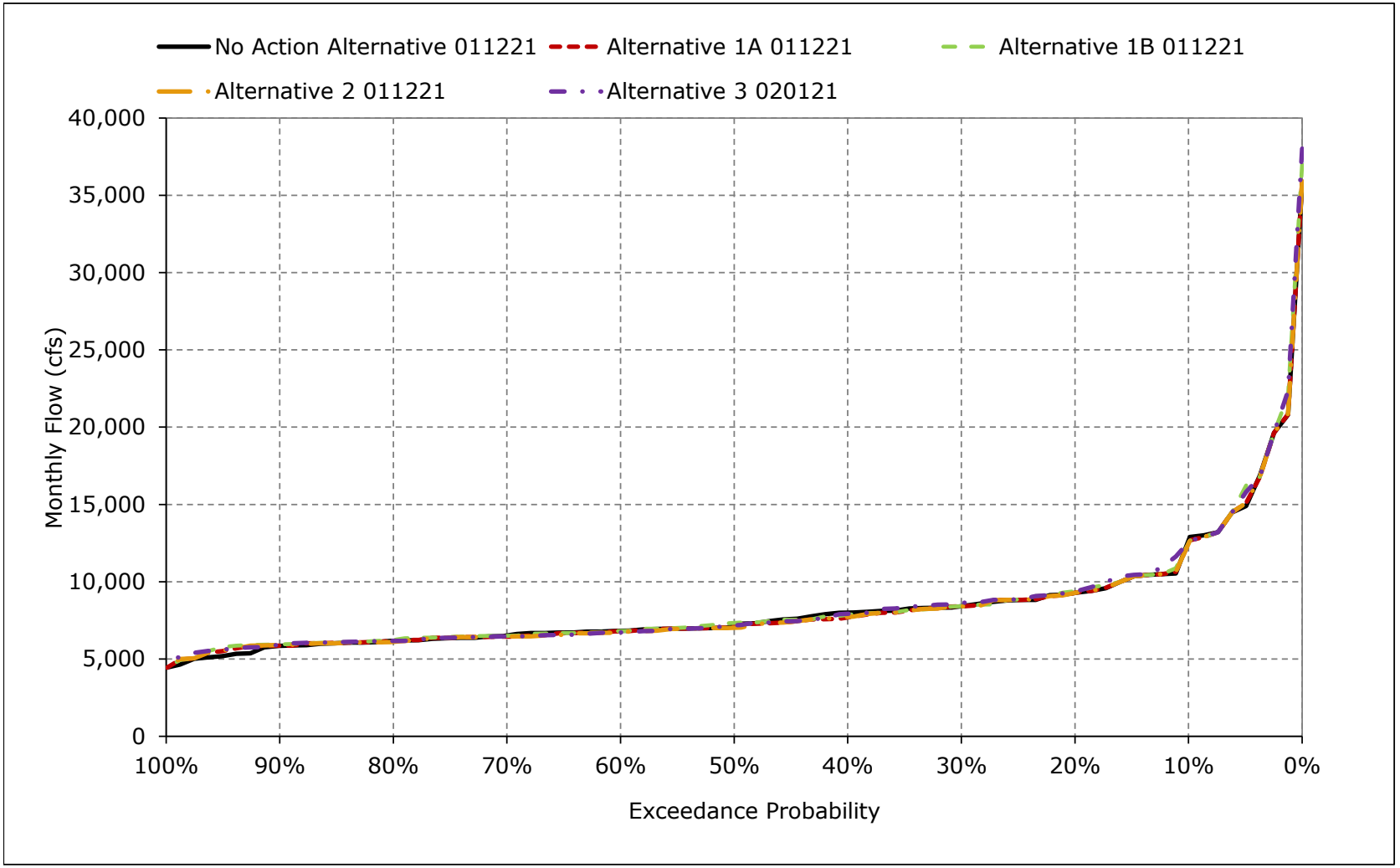


Figure 5B2-11-9. Sacramento Flow River at Bend Bridge, December

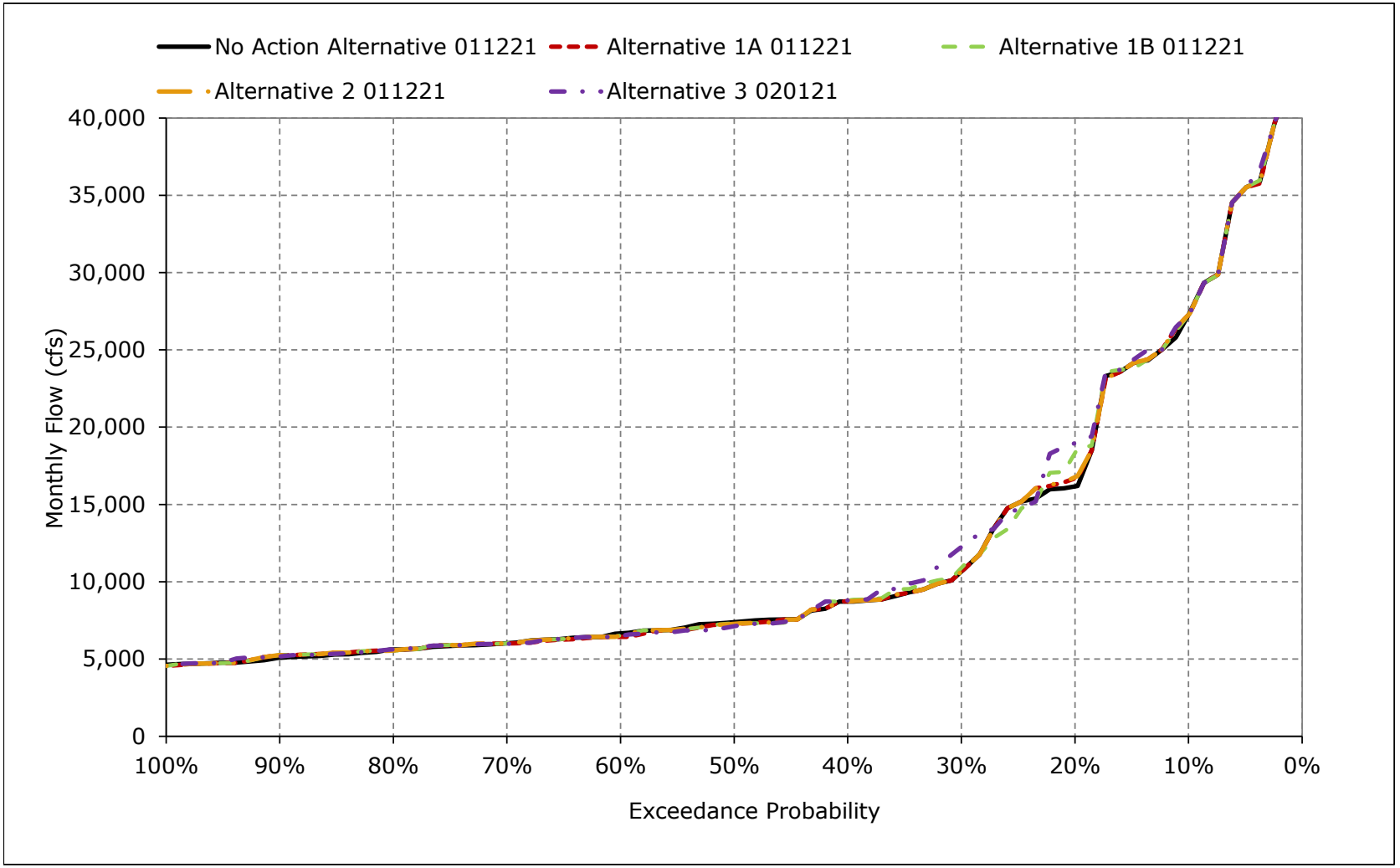


Figure 5B2-11-10. Sacramento Flow River at Bend Bridge, January

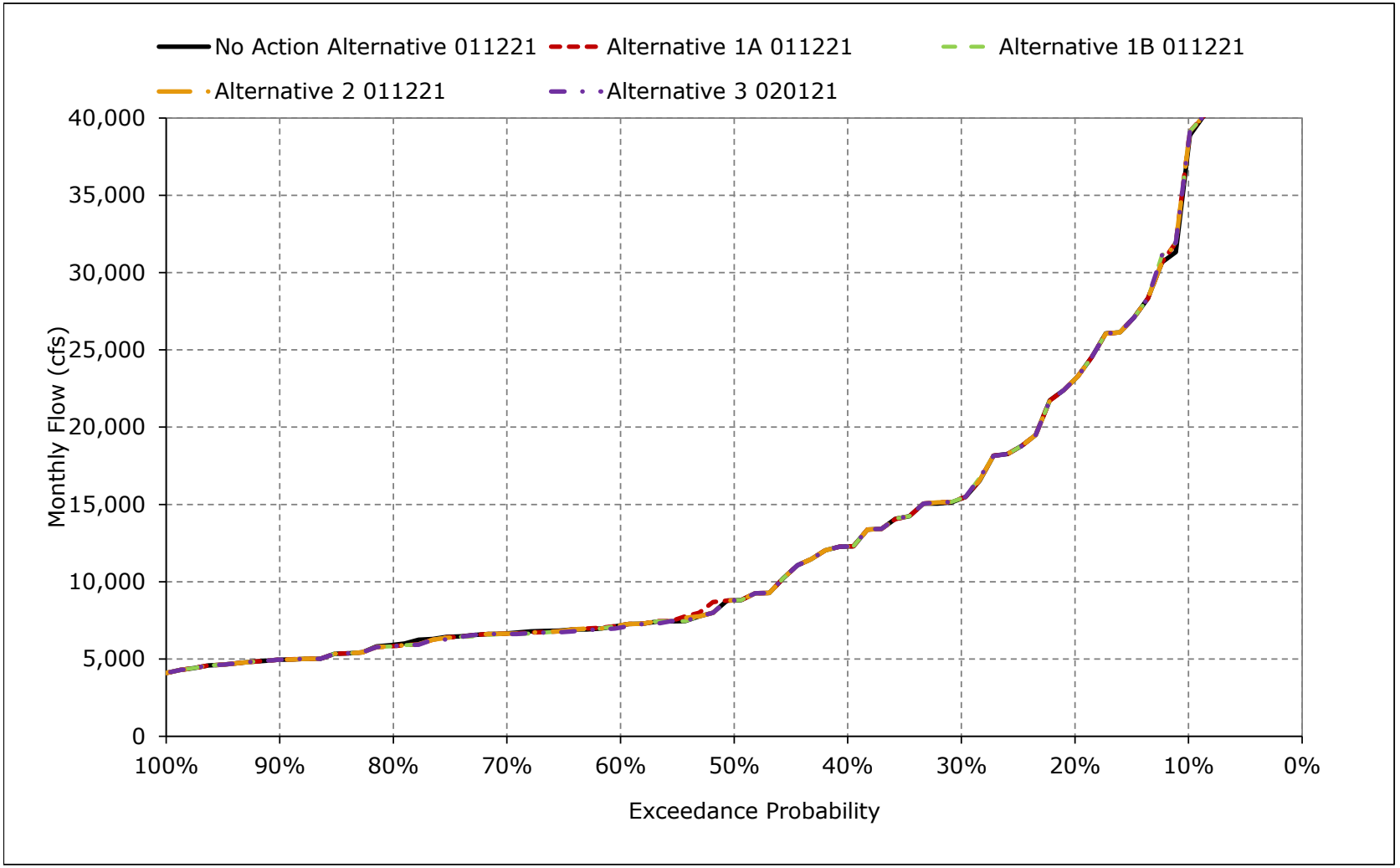


Figure 5B2-11-11. Sacramento Flow River at Bend Bridge, February

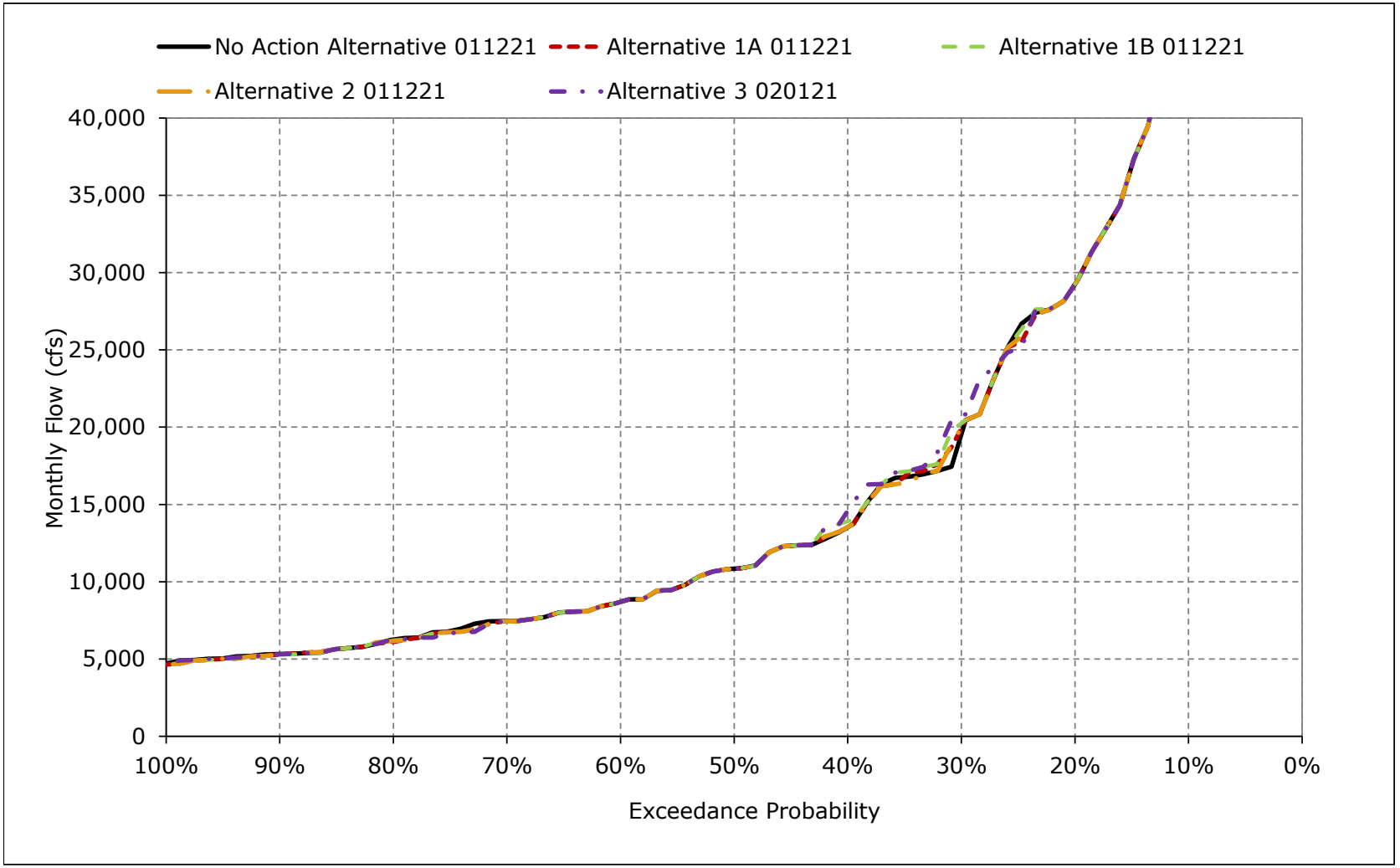


Figure 5B2-11-12. Sacramento Flow River at Bend Bridge, March

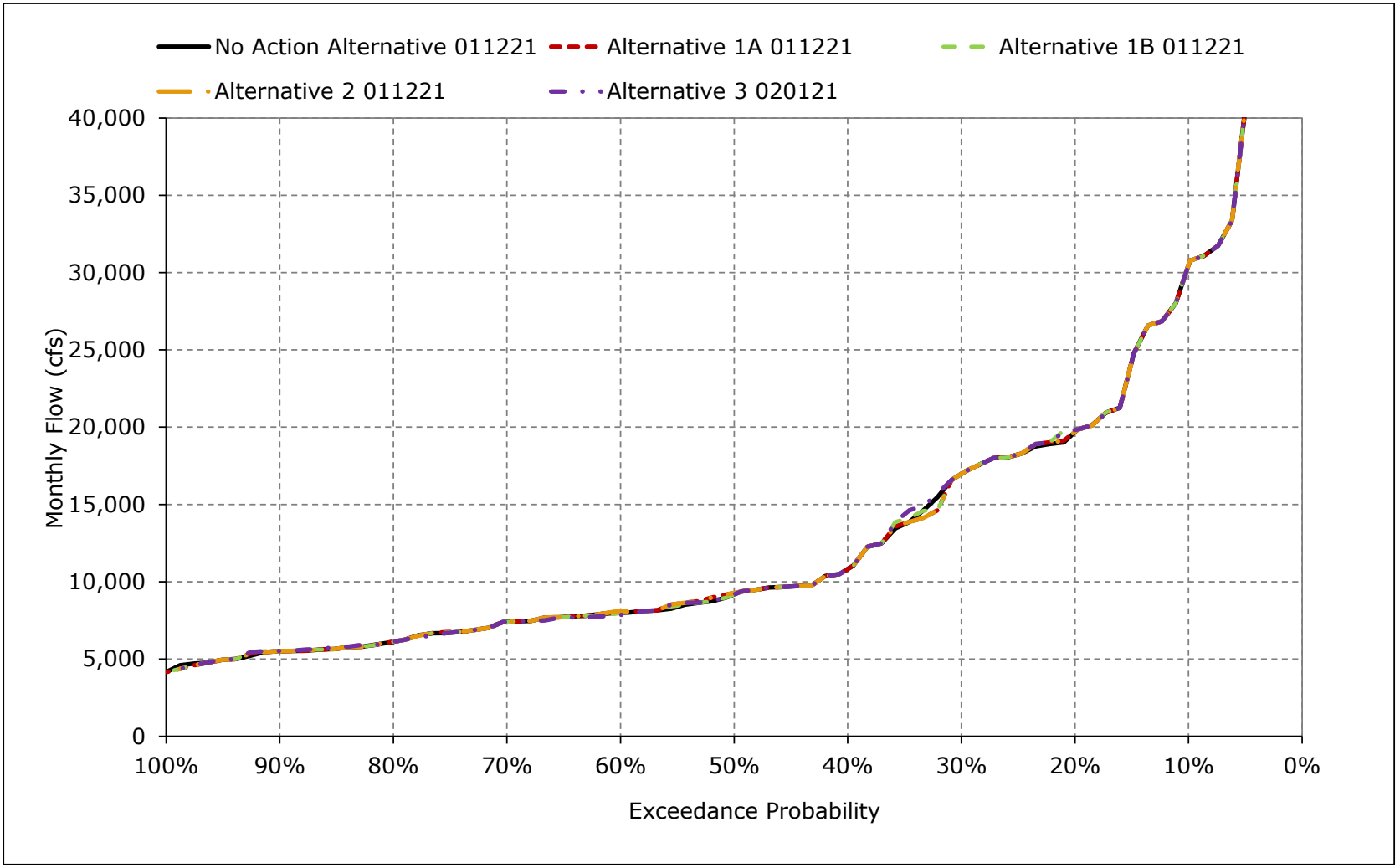


Figure 5B2-11-13. Sacramento Flow River at Bend Bridge, April

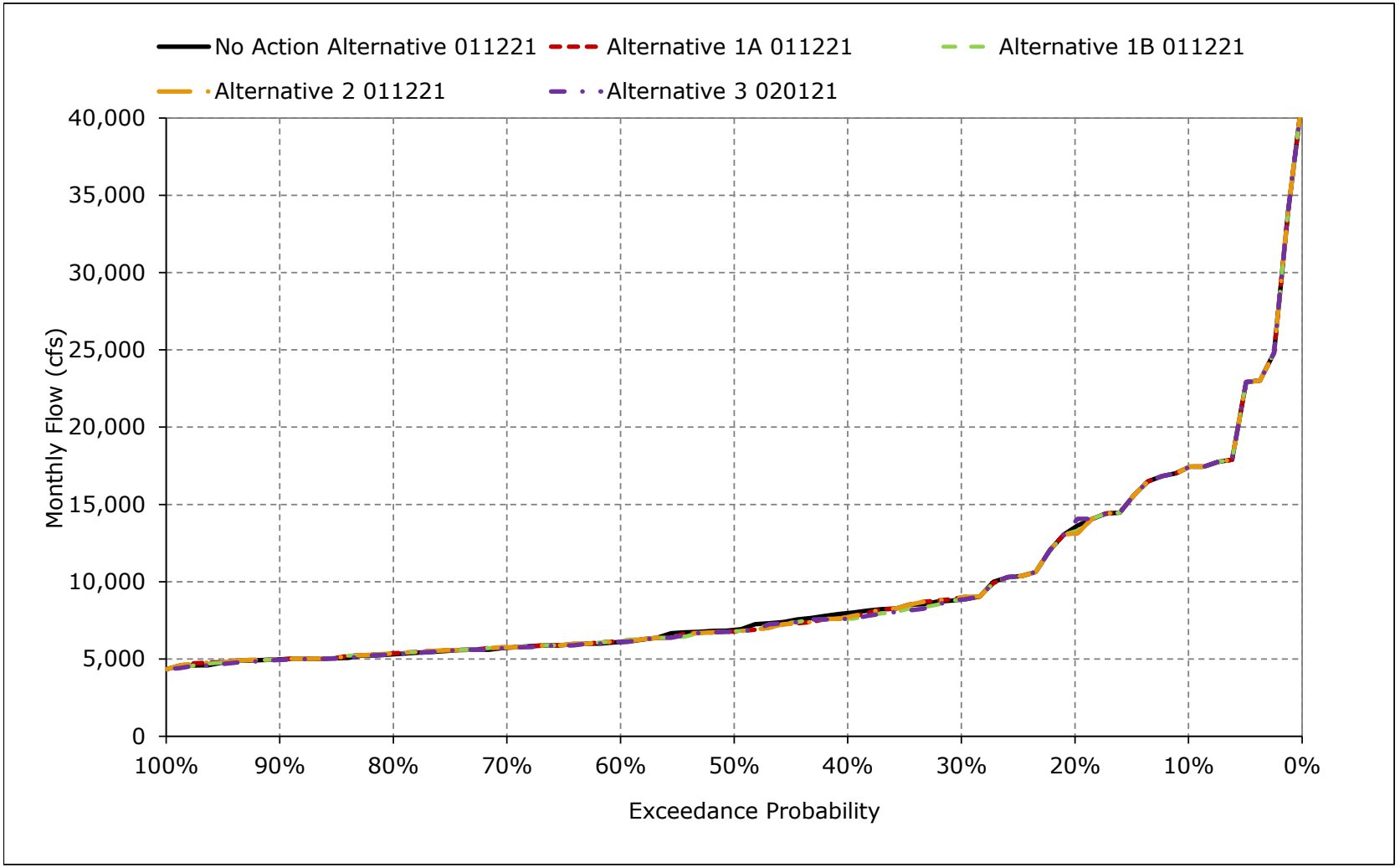


Figure 5B2-11-14. Sacramento Flow River at Bend Bridge, May

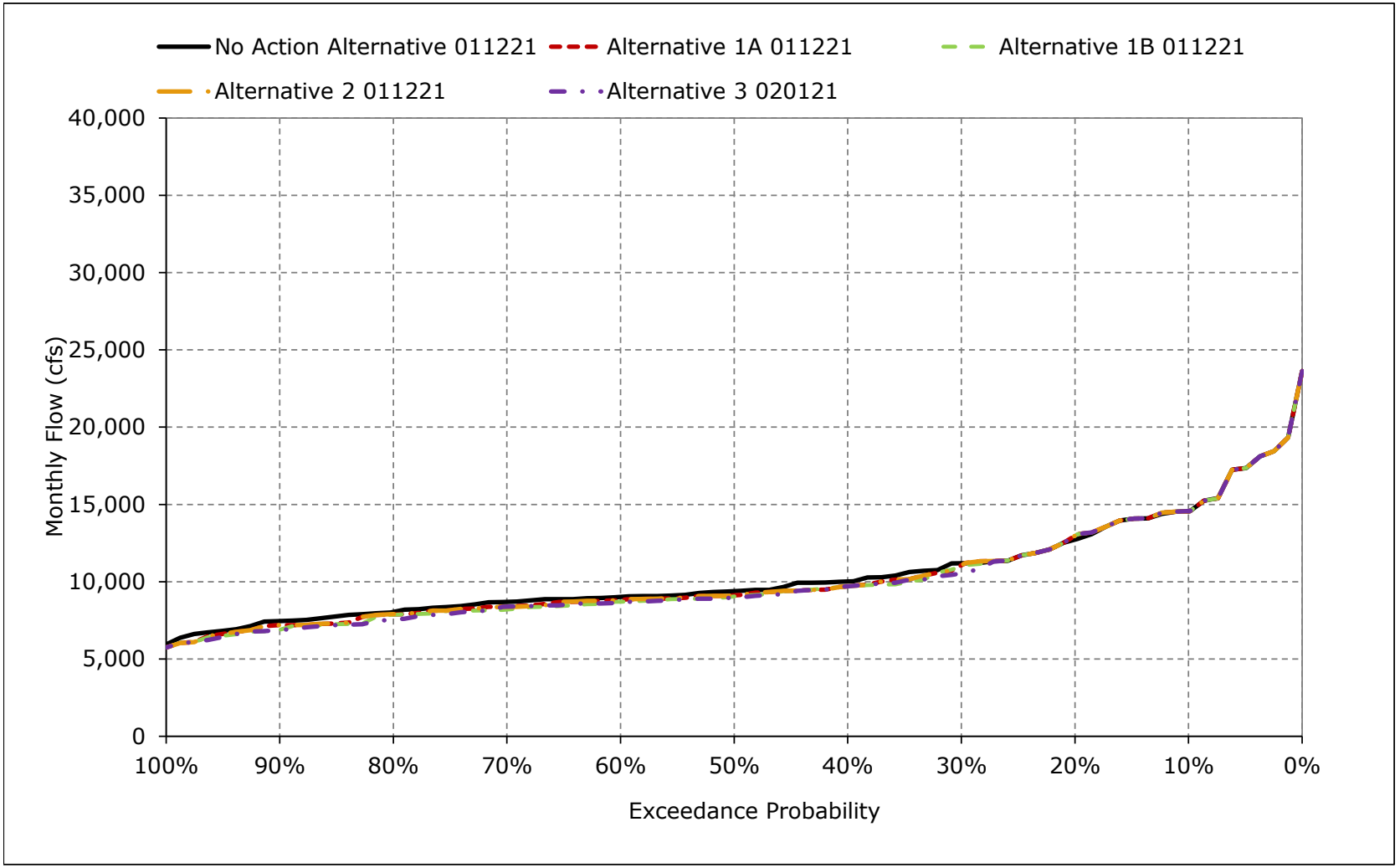


Figure 5B2-11-15. Sacramento Flow River at Bend Bridge, June

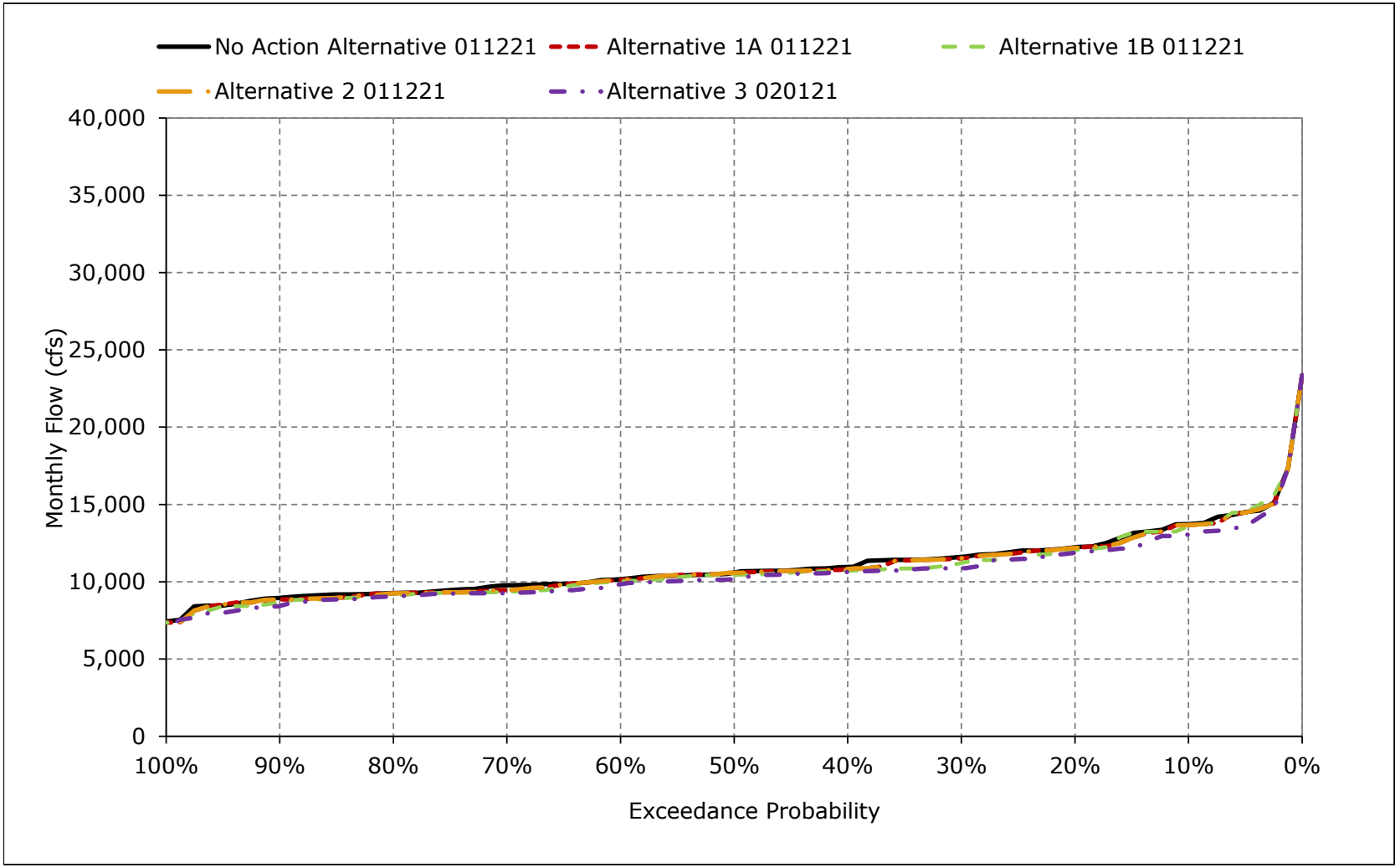


Figure 5B2-11-16. Sacramento Flow River at Bend Bridge, July

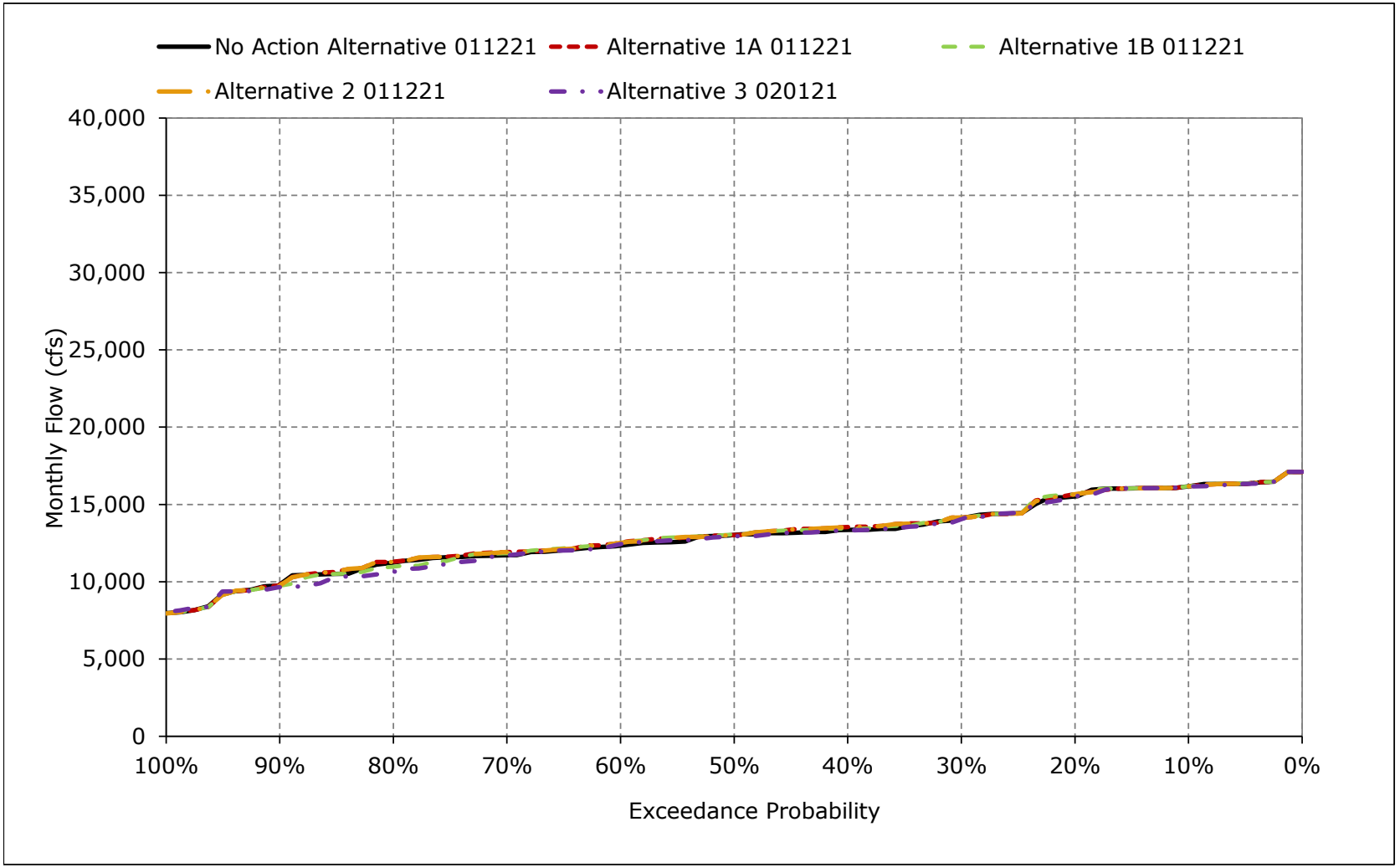


Figure 5B2-11-17. Sacramento Flow River at Bend Bridge, August

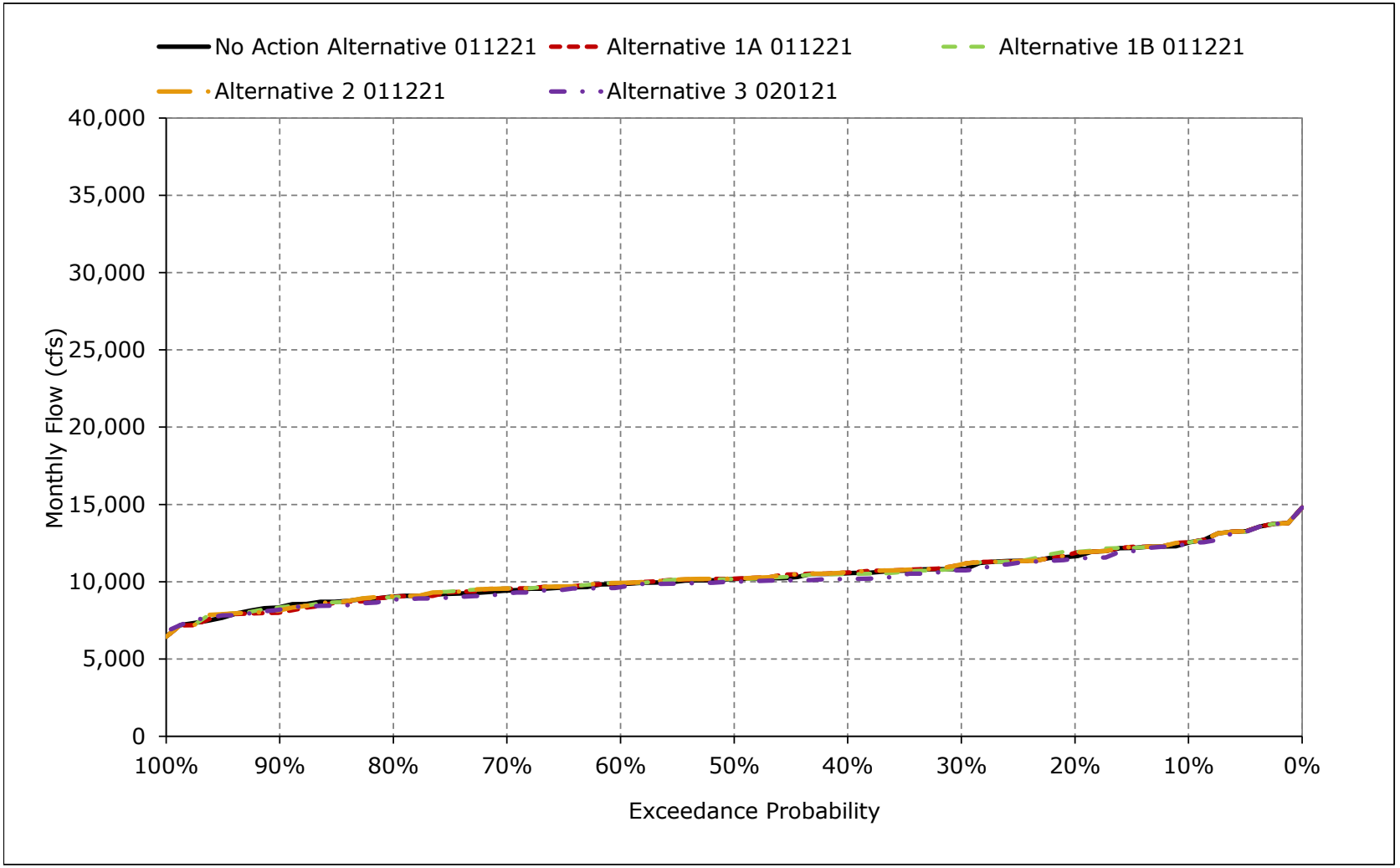


Figure 5B2-11-18. Sacramento Flow River at Bend Bridge, September

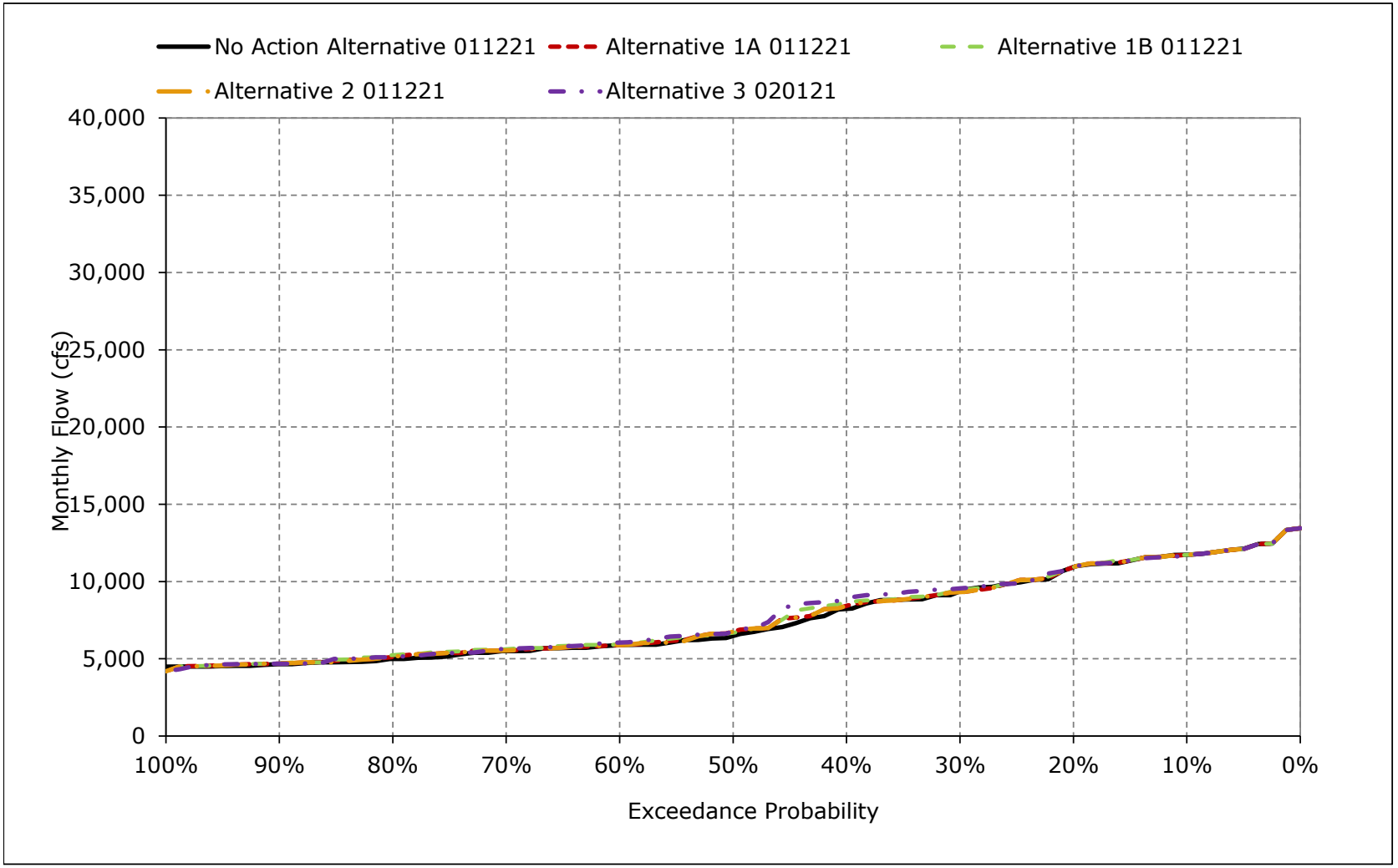


Table 5B2-12-1a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,797	27,766	38,806	44,493	30,815	17,630	13,937	13,072	15,027	11,470	11,495
20%	8,705	9,290	16,631	23,458	29,903	19,888	13,695	11,946	11,475	14,566	10,903	10,639
30%	7,499	8,446	10,968	15,774	20,017	17,079	8,737	10,638	10,861	12,856	10,049	9,072
40%	7,085	8,000	8,935	12,583	13,763	11,011	7,769	9,510	10,220	12,402	9,605	8,079
50%	6,534	7,180	7,425	9,029	11,073	9,368	6,867	8,928	9,669	11,966	9,350	6,415
60%	6,399	6,878	6,759	7,301	8,830	8,071	5,942	8,364	9,183	11,383	9,116	5,697
70%	6,097	6,534	6,086	6,800	7,603	7,520	5,465	8,048	8,721	10,671	8,841	5,333
80%	5,939	6,206	5,673	6,011	6,329	6,097	5,116	7,557	8,467	10,220	8,216	4,834
90%	5,034	5,891	5,137	5,021	5,407	5,574	4,842	7,151	8,243	9,163	7,861	4,553
Long Term												
Full Simulation Period[a]	7,128	8,503	12,232	15,778	18,902	14,890	9,400	9,990	10,184	12,007	9,555	7,441
Water Year Types[b,c]												
Wet (32%)	8,577	9,514	13,245	29,134	31,811	24,953	14,501	12,102	9,714	12,188	10,586	10,552
Above Normal (15%)	6,908	10,569	11,720	16,816	24,627	17,530	9,517	10,400	9,943	13,514	10,078	8,516
Below Normal (17%)	7,088	8,209	13,308	9,531	13,259	8,863	7,201	8,526	10,386	12,498	9,136	5,940
Dry (22%)	5,968	7,306	13,980	6,853	9,027	8,777	6,326	8,707	11,091	11,804	8,818	5,165
Critical (15%)	5,996	6,386	6,676	6,476	6,605	6,646	5,407	8,637	9,847	9,836	8,392	4,790

Table 5B2-12-1b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,154	27,477	37,542	43,014	29,609	16,144	14,005	12,974	15,038	11,483	11,495
20%	8,711	9,080	16,849	23,227	29,497	19,144	12,401	12,175	11,303	14,545	10,831	10,639
30%	7,647	8,336	10,868	14,486	18,808	15,128	8,710	10,216	10,610	13,016	10,268	9,037
40%	7,247	7,583	8,534	12,046	13,563	10,155	7,653	9,144	9,916	12,506	9,683	8,177
50%	6,741	7,071	7,196	8,658	10,059	7,834	6,675	8,582	9,550	12,055	9,382	6,735
60%	6,445	6,723	6,362	6,903	8,347	6,994	5,945	8,266	9,229	11,553	9,217	5,814
70%	6,317	6,443	5,989	6,453	7,097	6,388	5,503	7,889	8,752	10,967	8,848	5,510
80%	5,912	6,147	5,564	5,731	5,990	5,726	5,203	7,367	8,301	10,314	8,246	4,990
90%	5,517	5,882	5,187	5,021	5,408	5,002	4,842	6,776	8,035	9,151	7,772	4,635
Long Term												
Full Simulation Period[a]	7,222	8,351	12,025	15,069	18,064	13,953	9,227	9,761	10,045	12,106	9,588	7,547
Water Year Types[b,c]												
Wet (32%)	8,579	9,152	13,178	28,109	30,785	24,149	14,100	11,955	9,615	12,214	10,552	10,554
Above Normal (15%)	6,981	10,371	11,574	15,573	23,549	16,047	9,392	10,347	9,804	13,566	10,052	8,547
Below Normal (17%)	7,100	8,276	12,989	8,946	12,166	7,643	7,098	8,379	10,207	12,653	9,165	6,023
Dry (22%)	6,022	7,239	13,853	6,509	8,405	7,790	6,277	8,481	10,807	12,020	9,077	5,404
Critical (15%)	6,469	6,353	6,113	6,293	6,385	6,375	5,414	7,952	9,884	9,902	8,296	5,025

Table 5B2-12-1c. Sacramento River below Red Bluff Diversion Dam Flow, 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	-643	-289	-1,265	-1,479	-1,206	-1,486	68	-98	11	13	0
20%	7	-209	218	-231	-406	-744	-1,293	229	-171	-21	-72	0
30%	148	-110	-100	-1,288	-1,209	-1,951	-27	-422	-251	160	219	-35
40%	162	-417	-401	-536	-200	-856	-116	-366	-304	104	78	99
50%	207	-109	-230	-370	-1,014	-1,534	-192	-346	-120	90	32	320
60%	46	-155	-397	-398	-483	-1,078	4	-99	45	170	101	117
70%	220	-91	-97	-348	-506	-1,132	38	-159	30	296	7	176
80%	-27	-59	-109	-280	-340	-371	88	-190	-166	93	30	155
90%	483	-9	50	0	1	-573	0	-375	-208	-12	-90	82
Long Term												
Full Simulation Period[a]	94	-152	-207	-709	-838	-937	-173	-230	-139	100	33	106
Water Year Types[b,c]												
Wet (32%)	1	-362	-66	-1,025	-1,026	-804	-401	-148	-99	26	-34	2
Above Normal (15%)	73	-199	-146	-1,244	-1,078	-1,483	-125	-53	-139	52	-25	31
Below Normal (17%)	12	67	-318	-585	-1,093	-1,220	-103	-147	-179	155	29	83
Dry (22%)	54	-67	-126	-343	-623	-988	-49	-226	-285	216	258	239
Critical (15%)	473	-32	-562	-183	-219	-272	7	-685	37	66	-96	234

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 5B2-12-2a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,797	27,766	38,806	44,493	30,815	17,630	13,937	13,072	15,027	11,470	11,495
20%	8,705	9,290	16,631	23,458	29,903	19,888	13,695	11,946	11,475	14,566	10,903	10,639
30%	7,499	8,446	10,968	15,774	20,017	17,079	8,737	10,638	10,861	12,856	10,049	9,072
40%	7,085	8,000	8,935	12,583	13,763	11,011	7,769	9,510	10,220	12,402	9,605	8,079
50%	6,534	7,180	7,425	9,029	11,073	9,368	6,867	8,928	9,669	11,966	9,350	6,415
60%	6,399	6,878	6,759	7,301	8,830	8,071	5,942	8,364	9,183	11,383	9,116	5,697
70%	6,097	6,534	6,086	6,800	7,603	7,520	5,465	8,048	8,721	10,671	8,841	5,333
80%	5,939	6,206	5,673	6,011	6,329	6,097	5,116	7,557	8,467	10,220	8,216	4,834
90%	5,034	5,891	5,137	5,021	5,407	5,574	4,842	7,151	8,243	9,163	7,861	4,553
Long Term												
Full Simulation Period[a]	7,128	8,503	12,232	15,778	18,902	14,890	9,400	9,990	10,184	12,007	9,555	7,441
Water Year Types[b,c]												
Wet (32%)	8,577	9,514	13,245	29,134	31,811	24,953	14,501	12,102	9,714	12,188	10,586	10,552
Above Normal (15%)	6,908	10,569	11,720	16,816	24,627	17,530	9,517	10,400	9,943	13,514	10,078	8,516
Below Normal (17%)	7,088	8,209	13,308	9,531	13,259	8,863	7,201	8,526	10,386	12,498	9,136	5,940
Dry (22%)	5,968	7,306	13,980	6,853	9,027	8,777	6,326	8,707	11,091	11,804	8,818	5,165
Critical (15%)	5,996	6,386	6,676	6,476	6,605	6,646	5,407	8,637	9,847	9,836	8,392	4,790

Table 5B2-12-2b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,171	27,471	37,497	42,795	29,612	16,144	14,005	12,965	15,028	11,486	11,496
20%	8,753	9,237	18,632	23,227	28,437	19,157	12,402	12,171	11,131	14,631	10,950	10,640
30%	7,644	8,311	11,194	14,487	18,896	15,127	8,657	10,250	10,399	12,882	10,206	9,132
40%	7,192	7,700	8,765	11,637	13,667	10,156	7,493	9,070	9,936	12,504	9,623	8,418
50%	6,691	7,252	7,197	8,571	10,059	7,769	6,648	8,581	9,550	12,071	9,376	6,657
60%	6,439	6,737	6,398	6,904	8,346	6,991	5,950	8,198	9,182	11,554	9,254	5,895
70%	6,271	6,513	5,988	6,433	7,075	6,392	5,503	7,871	8,636	11,072	8,888	5,547
80%	5,886	6,275	5,565	5,730	6,006	5,709	5,198	7,275	8,231	10,284	8,326	5,091
90%	5,530	5,942	5,176	5,023	5,365	5,002	4,841	6,606	7,964	9,151	7,886	4,655
Long Term												
Full Simulation Period[a]	7,215	8,456	12,035	15,028	18,062	13,945	9,205	9,710	10,020	12,094	9,607	7,603
Water Year Types[b,c]												
Wet (32%)	8,571	9,088	13,174	28,041	30,704	24,124	14,069	11,895	9,615	12,214	10,552	10,563
Above Normal (15%)	7,059	10,342	11,701	15,573	23,501	16,102	9,435	10,352	9,491	13,470	10,108	8,873
Below Normal (17%)	7,176	8,467	13,073	8,931	12,265	7,643	7,101	8,232	10,163	12,618	9,156	6,085
Dry (22%)	5,927	7,647	13,701	6,503	8,458	7,782	6,196	8,471	11,008	12,056	9,024	5,371
Critical (15%)	6,411	6,401	6,189	6,187	6,402	6,327	5,408	7,920	9,778	9,904	8,462	5,036

Table 5B2-12-2c. Sacramento River below Red Bluff Diversion Dam Flow, 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%	0	-626	-295	-1,309	-1,698	-1,203	-1,485	68	-106	1	16	0
20%	48	-53	2,001	-231	-1,466	-731	-1,293	225	-344	65	47	0
30%	144	-135	226	-1,287	-1,121	-1,951	-80	-388	-462	26	157	60
40%	107	-300	-169	-946	-96	-855	-276	-440	-284	102	18	339
50%	157	72	-228	-457	-1,014	-1,599	-219	-347	-120	106	25	242
60%	40	-141	-361	-397	-483	-1,080	8	-166	-2	171	139	198
70%	174	-21	-98	-367	-528	-1,128	38	-178	-86	402	47	214
80%	-53	69	-108	-281	-324	-387	82	-282	-236	64	109	257
90%	496	51	39	2	-42	-573	0	-545	-279	-12	24	102
Long Term												
Full Simulation Period[a]	87	-47	-197	-750	-840	-945	-195	-280	-164	88	52	162
Water Year Types[b,c]												
Wet (32%)	-7	-426	-70	-1,093	-1,106	-829	-433	-207	-99	26	-34	11
Above Normal (15%)	151	-227	-19	-1,243	-1,126	-1,428	-82	-48	-452	-44	30	358
Below Normal (17%)	88	257	-235	-600	-994	-1,220	-99	-295	-223	119	20	145
Dry (22%)	-41	342	-279	-350	-569	-995	-131	-236	-83	253	205	206
Critical (15%)	415	16	-486	-289	-202	-319	1	-717	-69	68	70	245

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 5B2-12-3a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,797	27,766	38,806	44,493	30,815	17,630	13,937	13,072	15,027	11,470	11,495
20%	8,705	9,290	16,631	23,458	29,903	19,888	13,695	11,946	11,475	14,566	10,903	10,639
30%	7,499	8,446	10,968	15,774	20,017	17,079	8,737	10,638	10,861	12,856	10,049	9,072
40%	7,085	8,000	8,935	12,583	13,763	11,011	7,769	9,510	10,220	12,402	9,605	8,079
50%	6,534	7,180	7,425	9,029	11,073	9,368	6,867	8,928	9,669	11,966	9,350	6,415
60%	6,399	6,878	6,759	7,301	8,830	8,071	5,942	8,364	9,183	11,383	9,116	5,697
70%	6,097	6,534	6,086	6,800	7,603	7,520	5,465	8,048	8,721	10,671	8,841	5,333
80%	5,939	6,206	5,673	6,011	6,329	6,097	5,116	7,557	8,467	10,220	8,216	4,834
90%	5,034	5,891	5,137	5,021	5,407	5,574	4,842	7,151	8,243	9,163	7,861	4,553
Long Term												
Full Simulation Period[a]	7,128	8,503	12,232	15,778	18,902	14,890	9,400	9,990	10,184	12,007	9,555	7,441
Water Year Types[b,c]												
Wet (32%)	8,577	9,514	13,245	29,134	31,811	24,953	14,501	12,102	9,714	12,188	10,586	10,552
Above Normal (15%)	6,908	10,569	11,720	16,816	24,627	17,530	9,517	10,400	9,943	13,514	10,078	8,516
Below Normal (17%)	7,088	8,209	13,308	9,531	13,259	8,863	7,201	8,526	10,386	12,498	9,136	5,940
Dry (22%)	5,968	7,306	13,980	6,853	9,027	8,777	6,326	8,707	11,091	11,804	8,818	5,165
Critical (15%)	5,996	6,386	6,676	6,476	6,605	6,646	5,407	8,637	9,847	9,836	8,392	4,790

Table 5B2-12-3b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,143	27,477	37,578	44,134	29,704	16,736	14,005	12,974	15,052	11,674	11,495
20%	8,702	9,080	16,864	23,227	29,497	19,138	12,402	12,175	11,303	14,545	10,901	10,639
30%	7,649	8,323	10,868	14,642	18,883	15,128	8,710	10,216	10,610	13,024	10,269	9,040
40%	7,165	7,605	8,534	12,204	13,563	10,156	7,653	9,139	9,916	12,506	9,683	8,177
50%	6,738	7,004	7,196	8,575	10,059	7,835	6,673	8,581	9,549	12,071	9,407	6,735
60%	6,445	6,695	6,401	6,903	8,347	6,993	5,945	8,266	9,179	11,524	9,264	5,815
70%	6,305	6,437	6,005	6,441	7,097	6,388	5,503	7,891	8,752	10,971	8,885	5,510
80%	5,912	6,121	5,560	5,730	6,006	5,715	5,203	7,367	8,301	10,323	8,324	4,990
90%	5,455	5,926	5,194	5,021	5,408	5,002	4,842	6,776	8,035	9,153	7,836	4,642
Long Term												
Full Simulation Period[a]	7,224	8,332	12,041	15,067	18,084	14,006	9,248	9,759	10,042	12,106	9,626	7,545
Water Year Types[b,c]												
Wet (32%)	8,579	9,155	13,180	28,144	30,865	24,279	14,165	11,954	9,615	12,215	10,588	10,554
Above Normal (15%)	6,981	10,374	11,574	15,573	23,575	16,045	9,392	10,347	9,805	13,569	10,053	8,552
Below Normal (17%)	7,152	8,199	12,998	8,945	12,105	7,644	7,098	8,380	10,207	12,658	9,175	6,021
Dry (22%)	6,027	7,181	13,860	6,509	8,405	7,847	6,277	8,480	10,807	12,025	9,079	5,403
Critical (15%)	6,415	6,386	6,197	6,206	6,398	6,371	5,414	7,942	9,864	9,880	8,464	5,009

Table 5B2-12-3c. Sacramento River below Red Bluff Diversion Dam Flow, 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%	0	-654	-289	-1,228	-358	-1,111	-894	68	-98	24	204	0
20%	-3	-209	234	-231	-406	-750	-1,293	229	-171	-21	-2	0
30%	149	-123	-100	-1,132	-1,134	-1,951	-27	-422	-251	168	219	-32
40%	80	-395	-401	-378	-200	-856	-116	-371	-304	105	78	99
50%	204	-177	-230	-453	-1,014	-1,533	-194	-347	-120	105	57	320
60%	46	-183	-357	-398	-483	-1,079	4	-98	-5	141	148	118
70%	209	-97	-81	-359	-506	-1,132	38	-157	30	301	44	176
80%	-27	-85	-113	-281	-324	-382	87	-190	-166	103	108	155
90%	421	35	57	0	1	-573	0	-375	-208	-9	-26	89
Long Term												
Full Simulation Period[a]	96	-171	-191	-711	-818	-884	-152	-231	-142	99	71	104
Water Year Types[b,c]												
Wet (32%)	2	-359	-65	-990	-945	-674	-337	-148	-99	27	2	2
Above Normal (15%)	73	-195	-146	-1,243	-1,052	-1,484	-125	-53	-139	56	-25	36
Below Normal (17%)	63	-11	-310	-586	-1,154	-1,220	-103	-147	-179	160	39	81
Dry (22%)	59	-125	-119	-343	-623	-930	-49	-227	-284	222	261	238
Critical (15%)	419	1	-479	-270	-207	-275	7	-695	18	44	71	219

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 5B2-12-4a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,687	12,797	27,766	38,806	44,493	30,815	17,630	13,937	13,072	15,027	11,470	11,495
20%	8,705	9,290	16,631	23,458	29,903	19,888	13,695	11,946	11,475	14,566	10,903	10,639
30%	7,499	8,446	10,968	15,774	20,017	17,079	8,737	10,638	10,861	12,856	10,049	9,072
40%	7,085	8,000	8,935	12,583	13,763	11,011	7,769	9,510	10,220	12,402	9,605	8,079
50%	6,534	7,180	7,425	9,029	11,073	9,368	6,867	8,928	9,669	11,966	9,350	6,415
60%	6,399	6,878	6,759	7,301	8,830	8,071	5,942	8,364	9,183	11,383	9,116	5,697
70%	6,097	6,534	6,086	6,800	7,603	7,520	5,465	8,048	8,721	10,671	8,841	5,333
80%	5,939	6,206	5,673	6,011	6,329	6,097	5,116	7,557	8,467	10,220	8,216	4,834
90%	5,034	5,891	5,137	5,021	5,407	5,574	4,842	7,151	8,243	9,163	7,861	4,553
Long Term												
Full Simulation Period[a]	7,128	8,503	12,232	15,778	18,902	14,890	9,400	9,990	10,184	12,007	9,555	7,441
Water Year Types[b,c]												
Wet (32%)	8,577	9,514	13,245	29,134	31,811	24,953	14,501	12,102	9,714	12,188	10,586	10,552
Above Normal (15%)	6,908	10,569	11,720	16,816	24,627	17,530	9,517	10,400	9,943	13,514	10,078	8,516
Below Normal (17%)	7,088	8,209	13,308	9,531	13,259	8,863	7,201	8,526	10,386	12,498	9,136	5,940
Dry (22%)	5,968	7,306	13,980	6,853	9,027	8,777	6,326	8,707	11,091	11,804	8,818	5,165
Critical (15%)	5,996	6,386	6,676	6,476	6,605	6,646	5,407	8,637	9,847	9,836	8,392	4,790

Table 5B2-12-4b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,749	12,246	27,481	37,496	44,062	29,220	16,144	14,005	12,475	15,444	11,486	11,496
20%	8,801	9,078	19,353	23,227	28,432	19,101	12,402	12,145	10,999	14,751	10,621	10,640
30%	8,178	8,525	12,373	14,488	20,554	14,999	8,657	10,154	10,317	12,835	9,855	9,310
40%	7,297	7,630	8,764	11,647	14,018	10,037	7,491	9,066	9,690	12,407	9,450	8,740
50%	6,795	7,157	7,007	8,572	10,059	7,685	6,636	8,599	9,412	12,008	9,245	6,750
60%	6,509	6,681	6,401	6,834	8,347	6,996	5,936	8,180	9,078	11,331	9,050	6,005
70%	6,348	6,454	5,978	6,366	7,076	6,477	5,458	7,756	8,561	10,835	8,742	5,539
80%	5,986	6,153	5,495	5,732	5,990	5,805	5,139	7,283	8,182	10,190	8,199	5,021
90%	5,665	5,819	5,172	5,023	5,408	5,001	4,822	6,602	7,771	9,153	7,728	4,645
Long Term												
Full Simulation Period[a]	7,359	8,463	12,195	15,017	18,214	13,876	9,151	9,658	9,852	12,081	9,458	7,660
Water Year Types[b,c]												
Wet (32%)	8,578	9,097	13,183	28,033	30,873	23,906	13,952	11,845	9,575	12,215	10,551	10,556
Above Normal (15%)	7,455	10,389	11,795	15,574	24,135	15,970	9,436	10,352	9,224	13,537	9,566	9,321
Below Normal (17%)	7,449	8,499	13,281	8,932	12,272	7,621	7,153	8,208	9,692	12,767	9,110	6,182
Dry (22%)	6,111	7,642	14,184	6,501	8,489	7,864	6,175	8,341	10,854	11,894	8,803	5,309
Critical (15%)	6,387	6,353	6,207	6,133	6,385	6,364	5,260	7,891	9,768	9,816	8,371	4,980

Table 5B2-12-4c. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

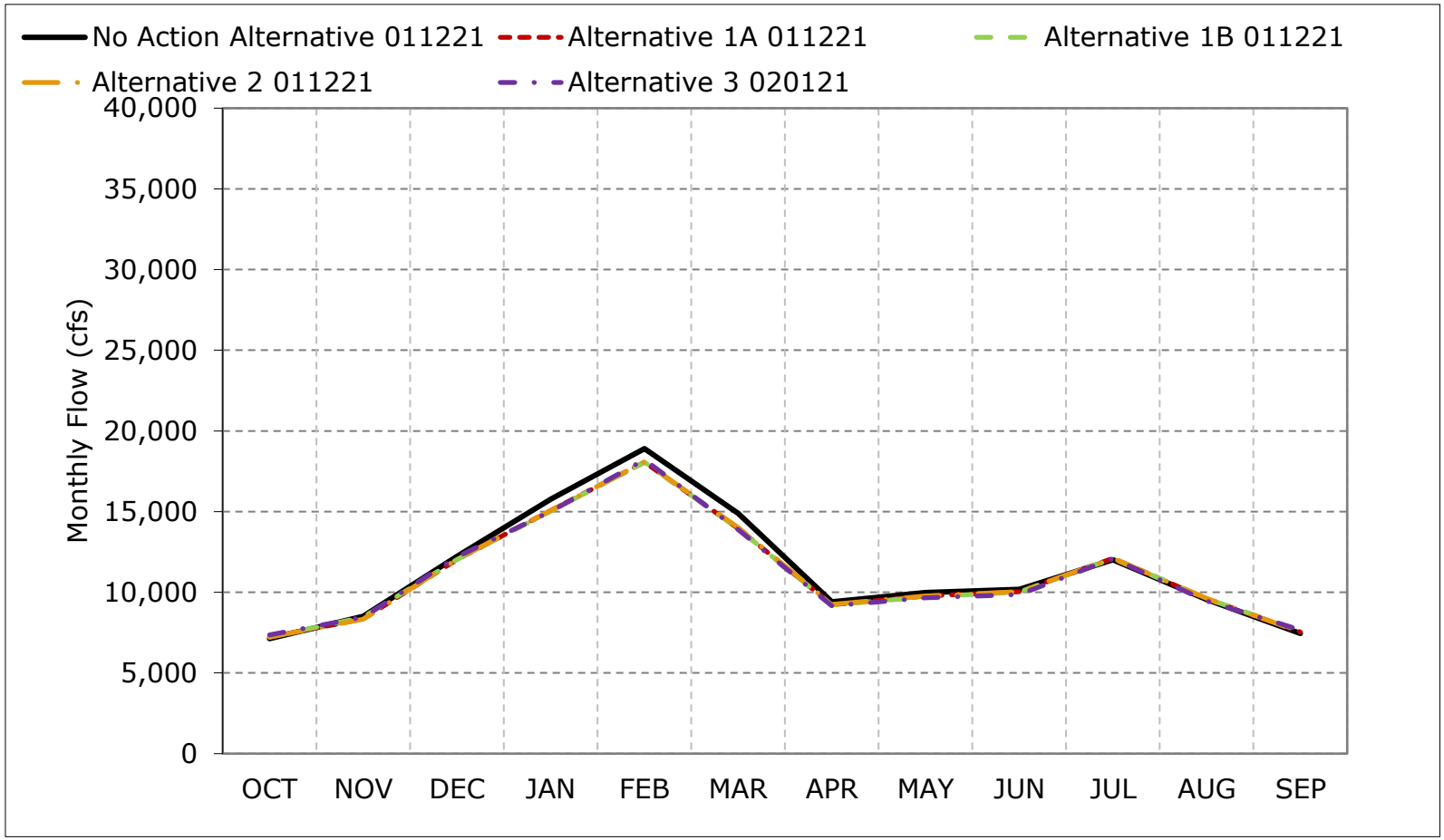
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	61	-552	-285	-1,310	-431	-1,595	-1,486	69	-597	417	17	1
20%	96	-212	2,723	-231	-1,471	-787	-1,292	199	-475	185	-281	0
30%	679	79	1,405	-1,286	537	-2,080	-80	-483	-544	-21	-194	238
40%	211	-370	-171	-936	255	-974	-278	-444	-530	5	-155	662
50%	261	-23	-418	-457	-1,014	-1,683	-230	-330	-257	42	-106	335
60%	110	-197	-357	-467	-483	-1,075	-5	-184	-105	-53	-66	308
70%	251	-79	-108	-435	-528	-1,044	-7	-293	-160	164	-99	206
80%	47	-53	-178	-279	-339	-292	23	-274	-285	-30	-17	186
90%	631	-72	35	2	1	-574	-19	-549	-471	-10	-133	92
Long Term												
Full Simulation Period[a]	230	-40	-37	-761	-688	-1,014	-249	-333	-331	75	-97	220
Water Year Types[b,c]												
Wet (32%)	1	-417	-62	-1,101	-937	-1,047	-549	-258	-139	27	-34	4
Above Normal (15%)	547	-181	76	-1,243	-492	-1,560	-81	-47	-720	24	-512	805
Below Normal (17%)	361	290	-27	-599	-987	-1,243	-48	-319	-694	269	-26	242
Dry (22%)	143	336	204	-352	-538	-913	-152	-366	-238	90	-16	144
Critical (15%)	391	-33	-468	-343	-219	-282	-147	-746	-78	-20	-21	190

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).

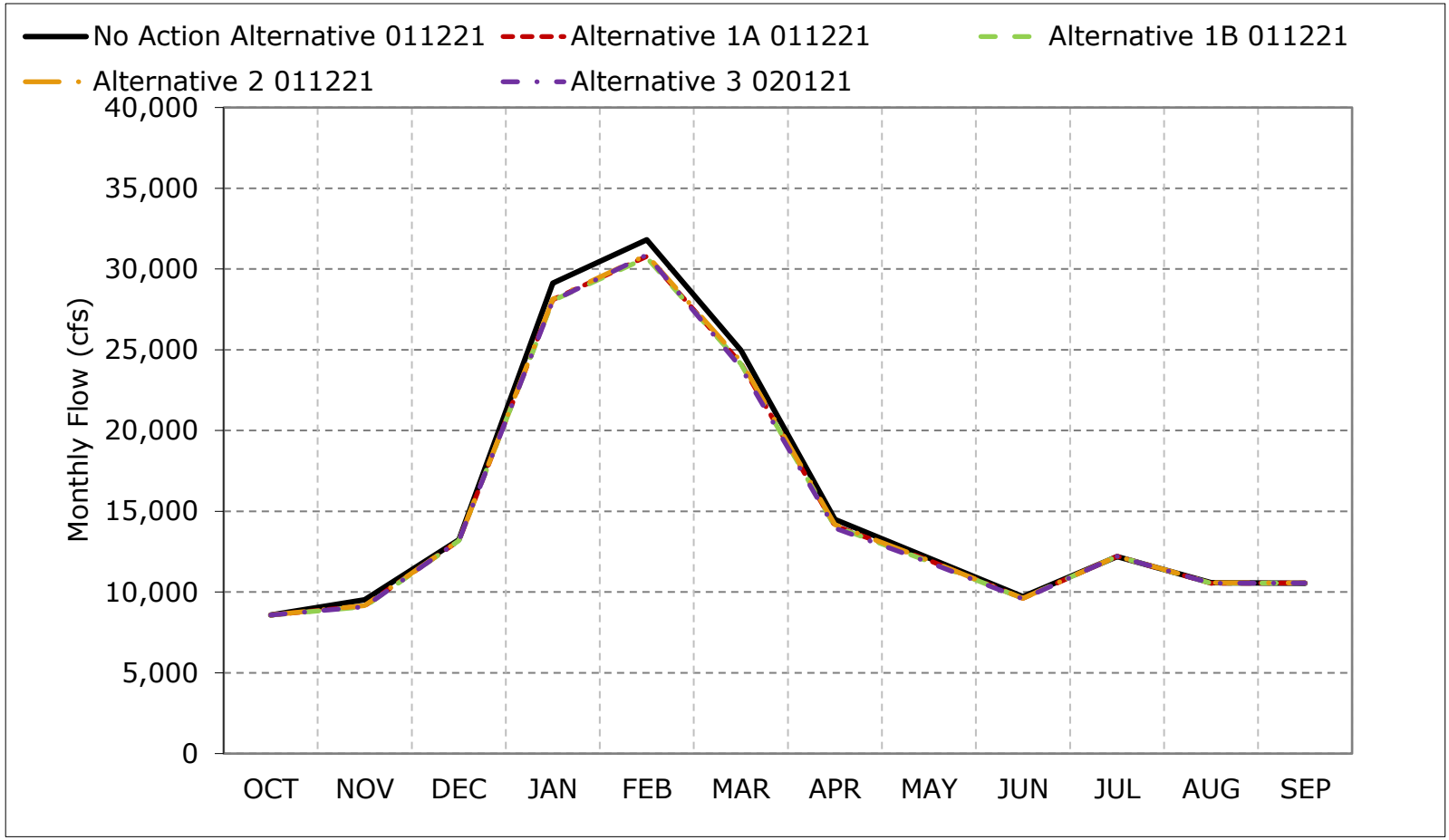
c These results are displayed with calendar year - year type sorting.

Figure 5B2-12-1. Sacramento River below Red Bluff Diversion Dam Flow, Long-Term Average Flow



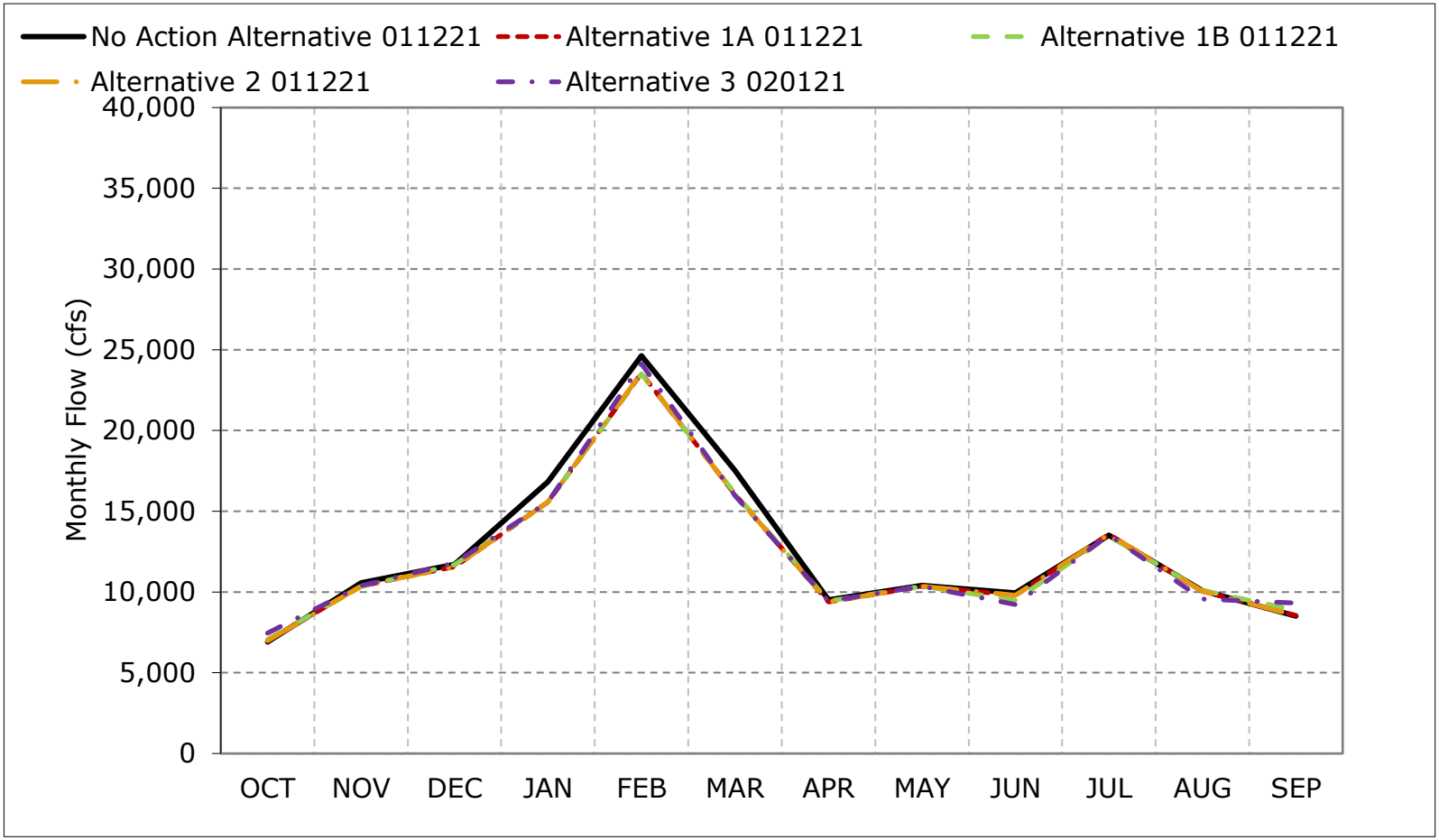
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-12-2. Sacramento River below Red Bluff Diversion Dam Flow, Wet Year Average Flow



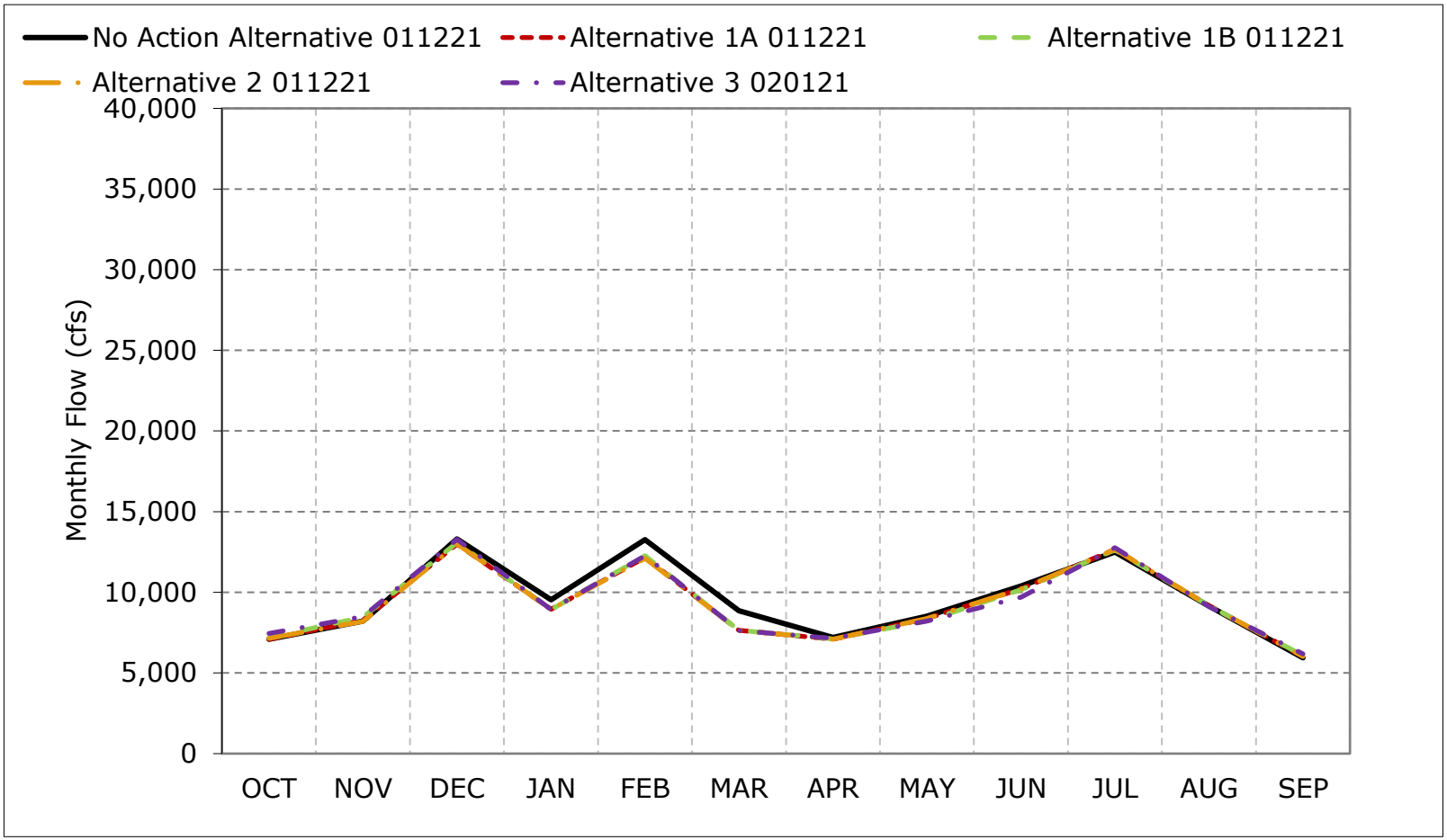
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-12-3. Sacramento River below Red Bluff Diversion Dam Flow, Above Normal Year Average Flow



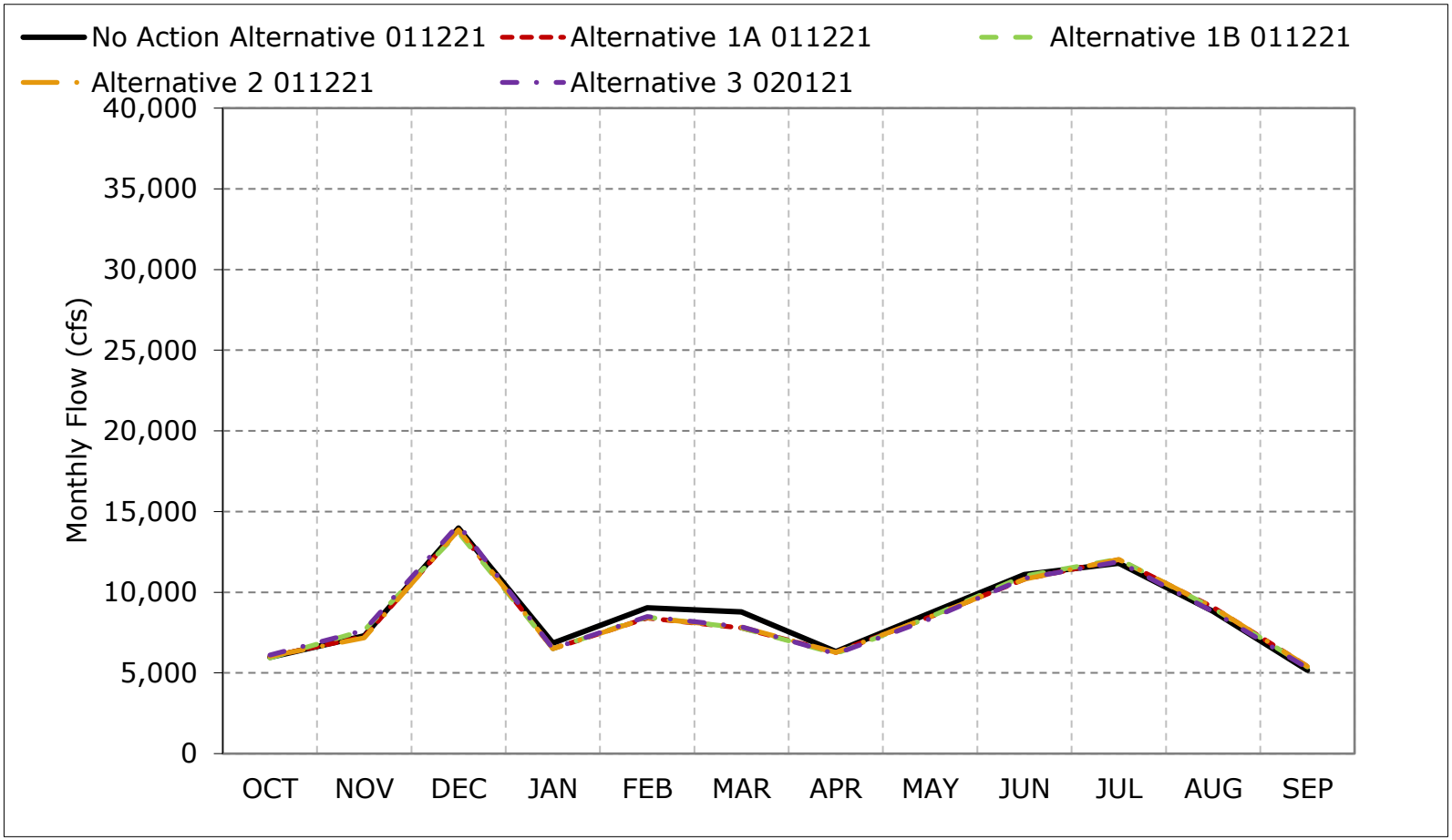
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-12-4. Sacramento River below Red Bluff Diversion Dam Flow, Below Normal Year Average Flow



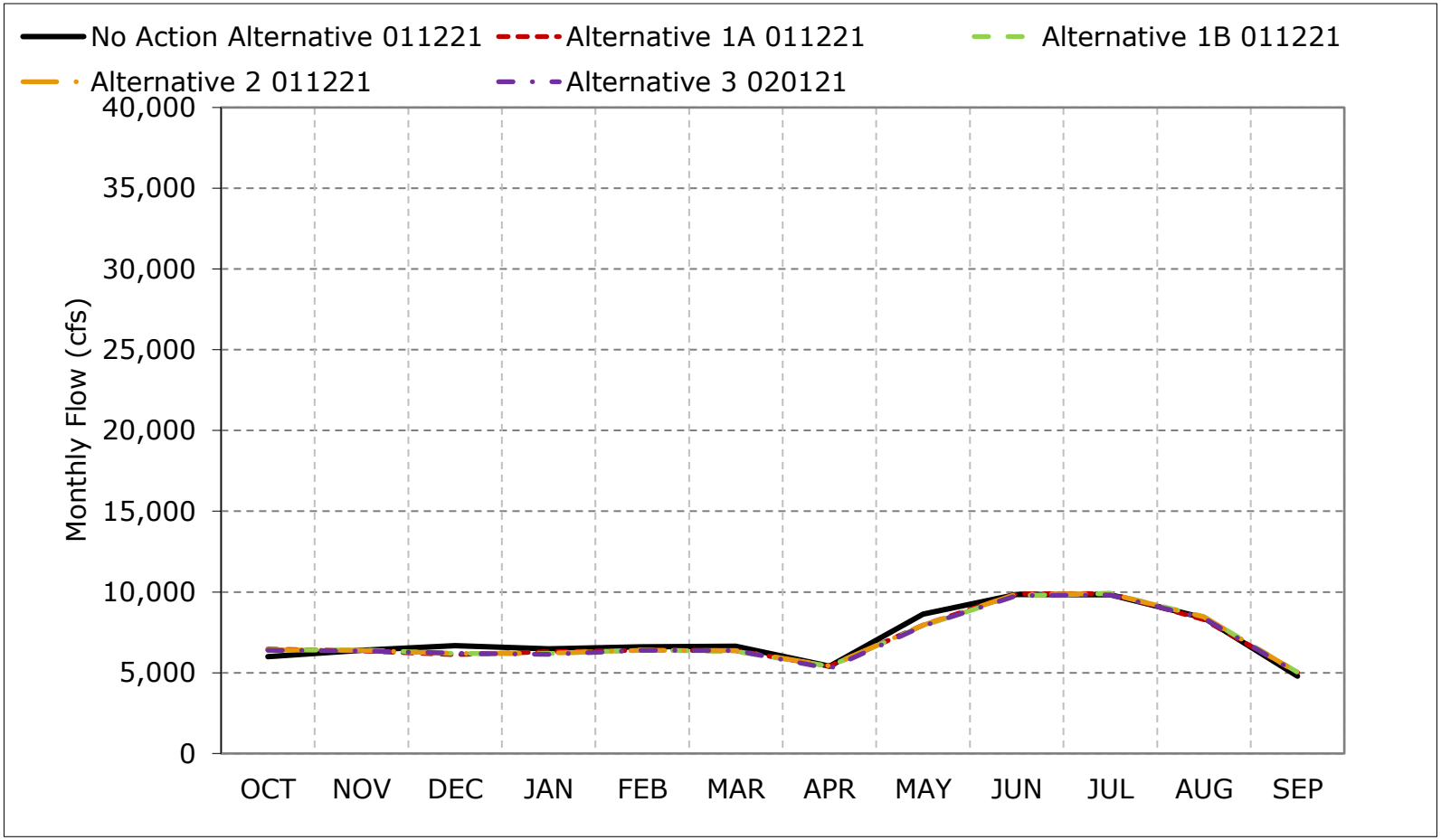
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-12-5. Sacramento River below Red Bluff Diversion Dam Flow, 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 5B2-12-6. Sacramento River below Red Bluff Diversion Dam Flow, 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 5B2-12-7. Sacramento River below Red Bluff Diversion Dam Flow, October

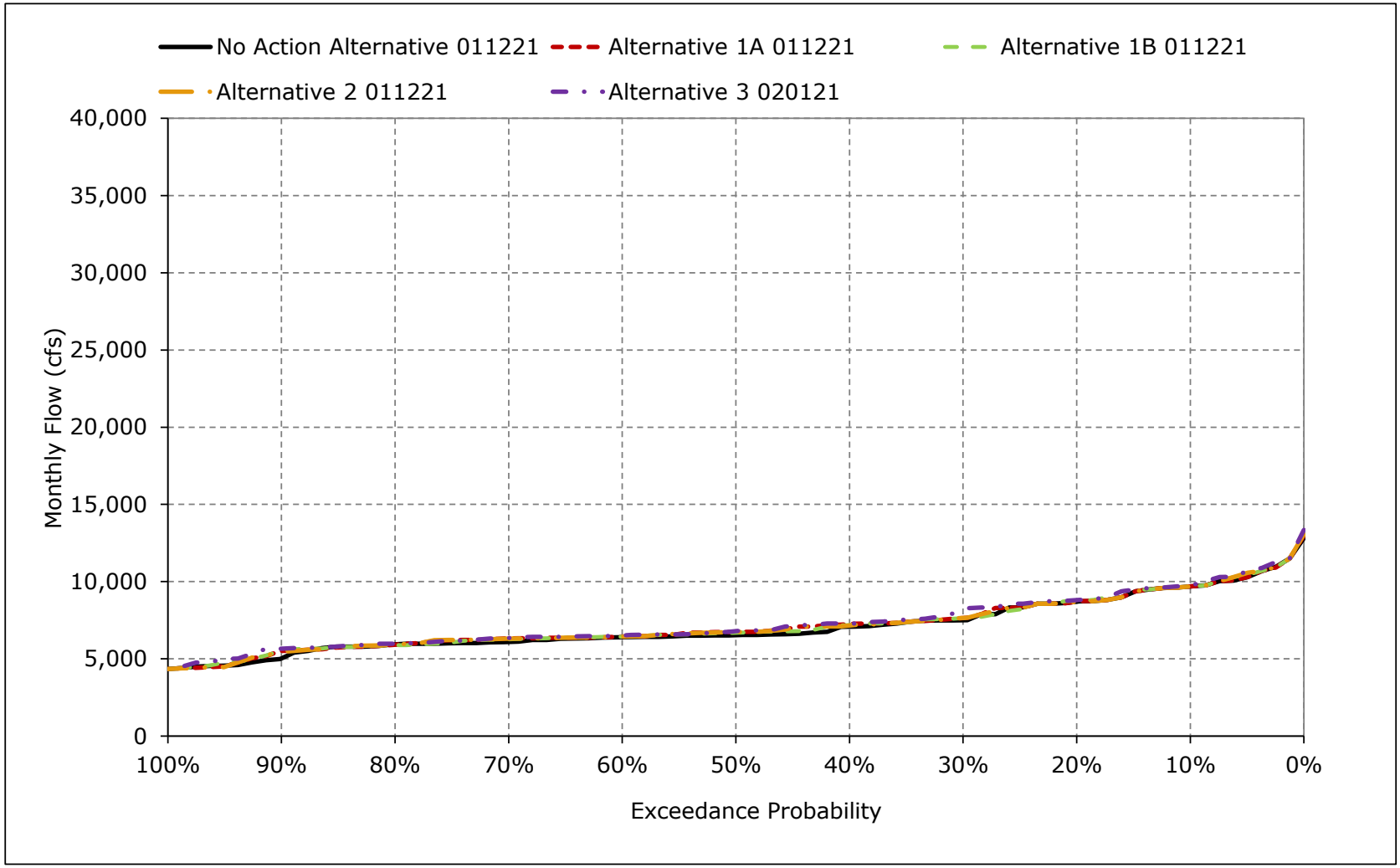


Figure 5B2-12-8. Sacramento River below Red Bluff Diversion Dam Flow, November

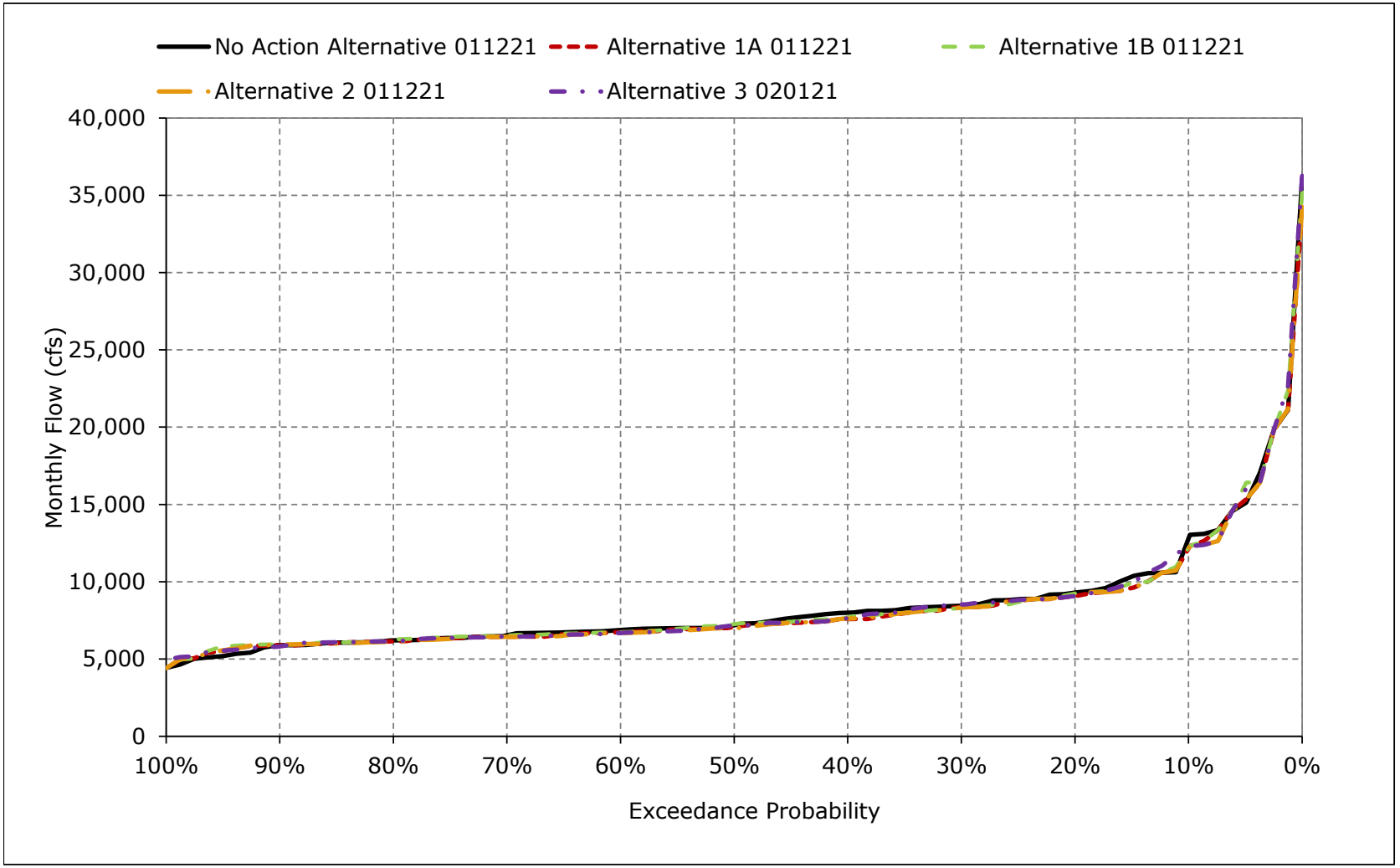


Figure 5B2-12-9. Sacramento River below Red Bluff Diversion Dam Flow, December

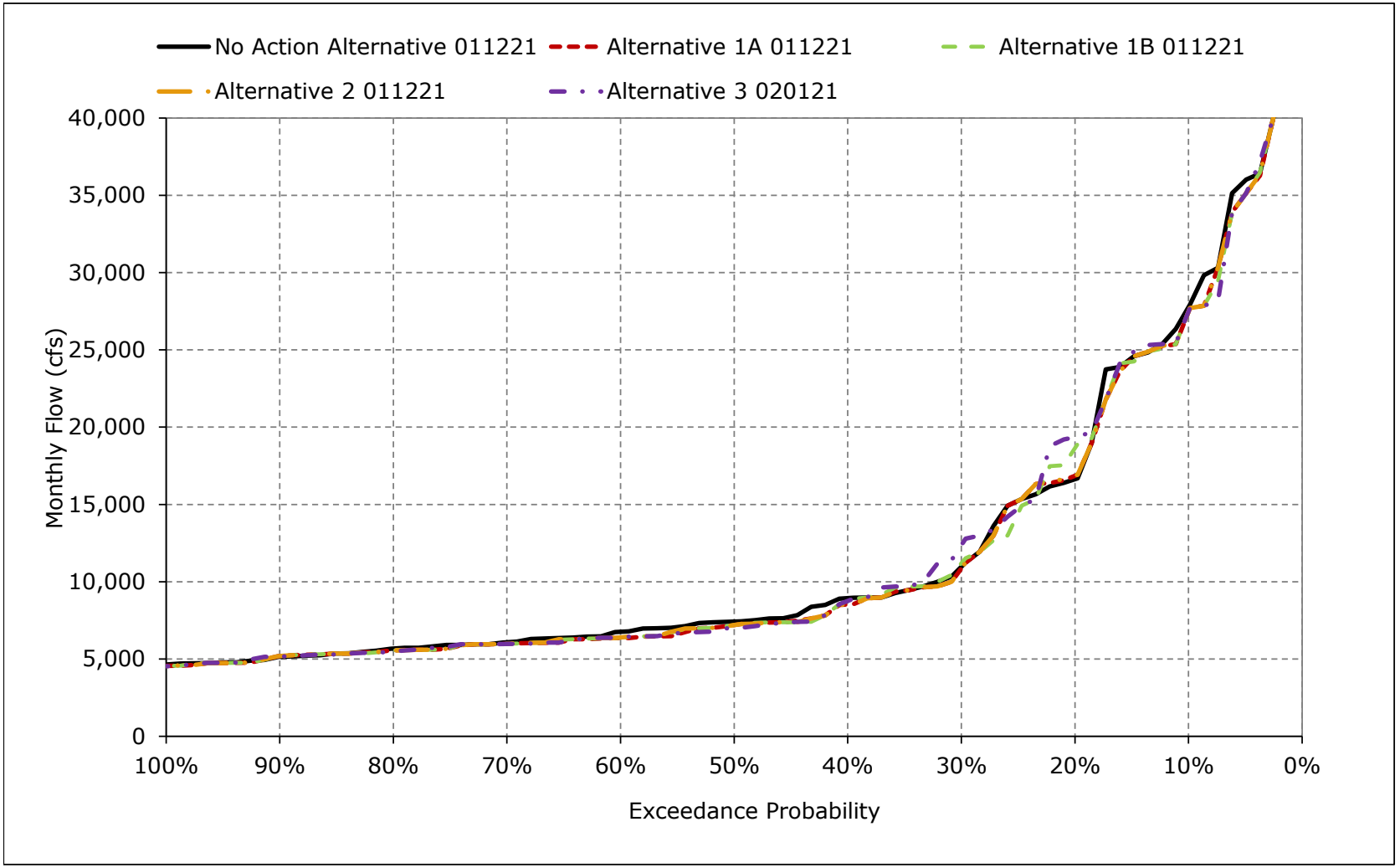


Figure 5B2-12-10. Sacramento River below Red Bluff Diversion Dam Flow, January

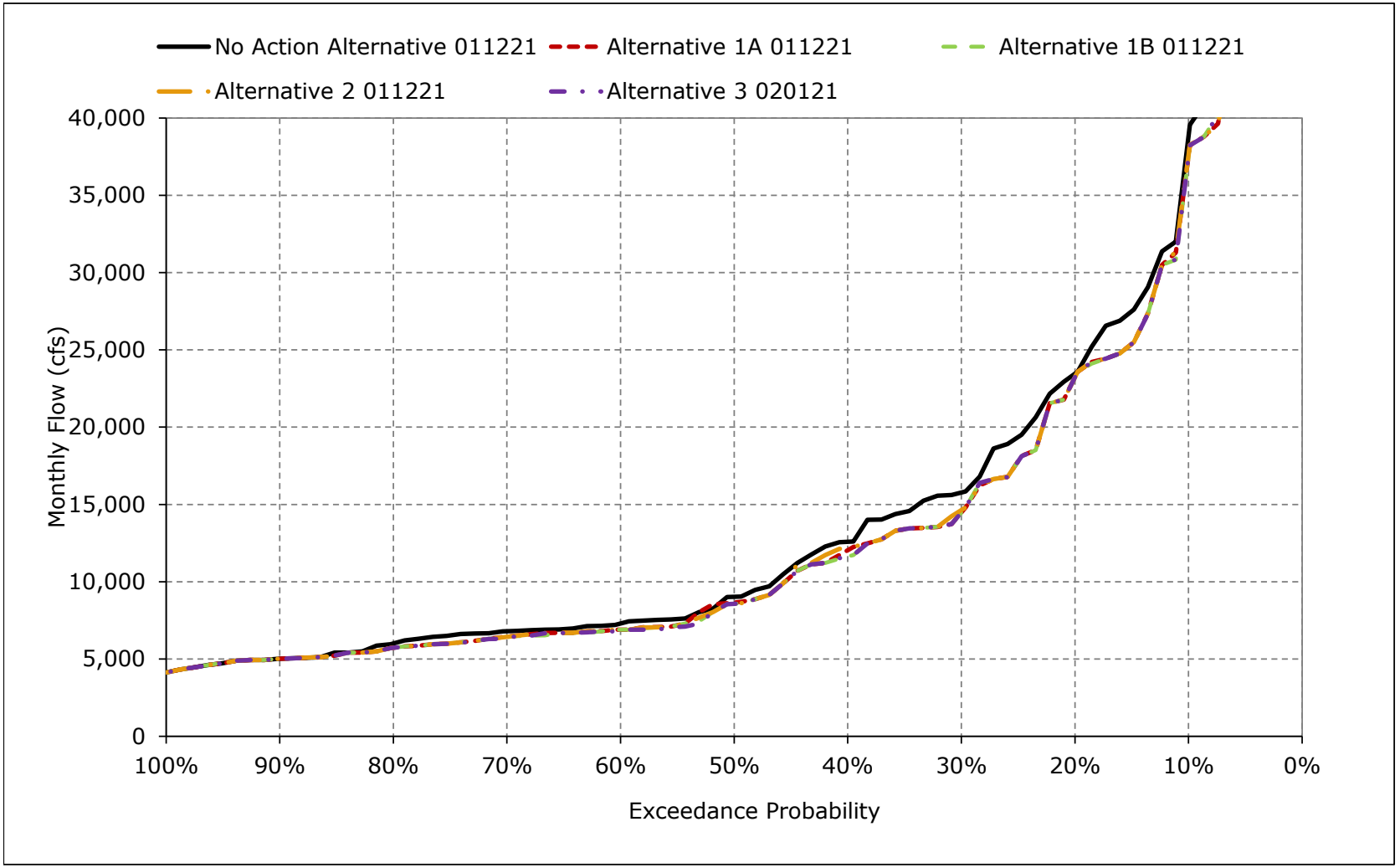


Figure 5B2-12-11. Sacramento River below Red Bluff Diversion Dam Flow, February

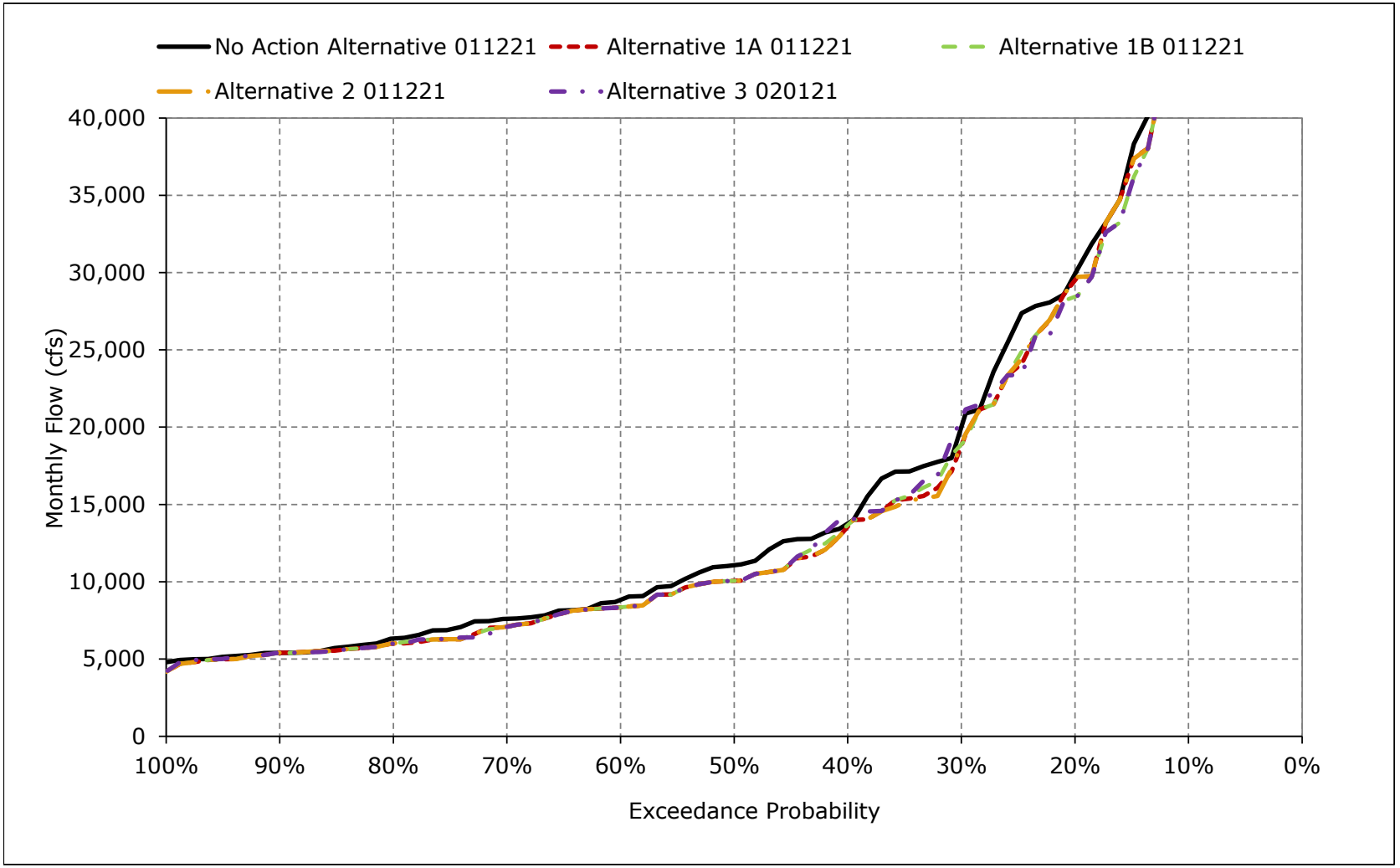


Figure 5B2-12-12. Sacramento River below Red Bluff Diversion Dam Flow, March

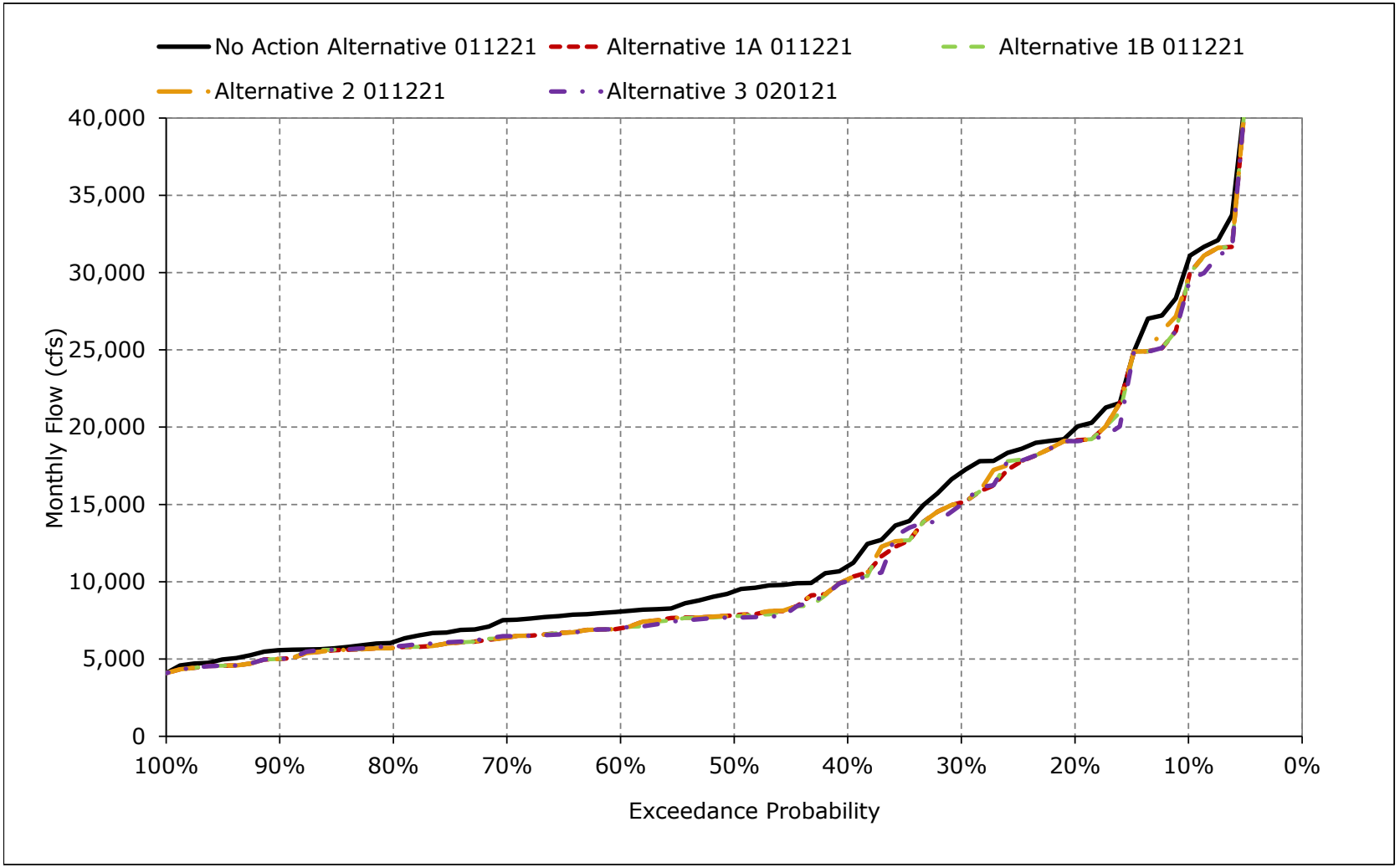


Figure 5B2-12-13. Sacramento River below Red Bluff Diversion Dam Flow, April

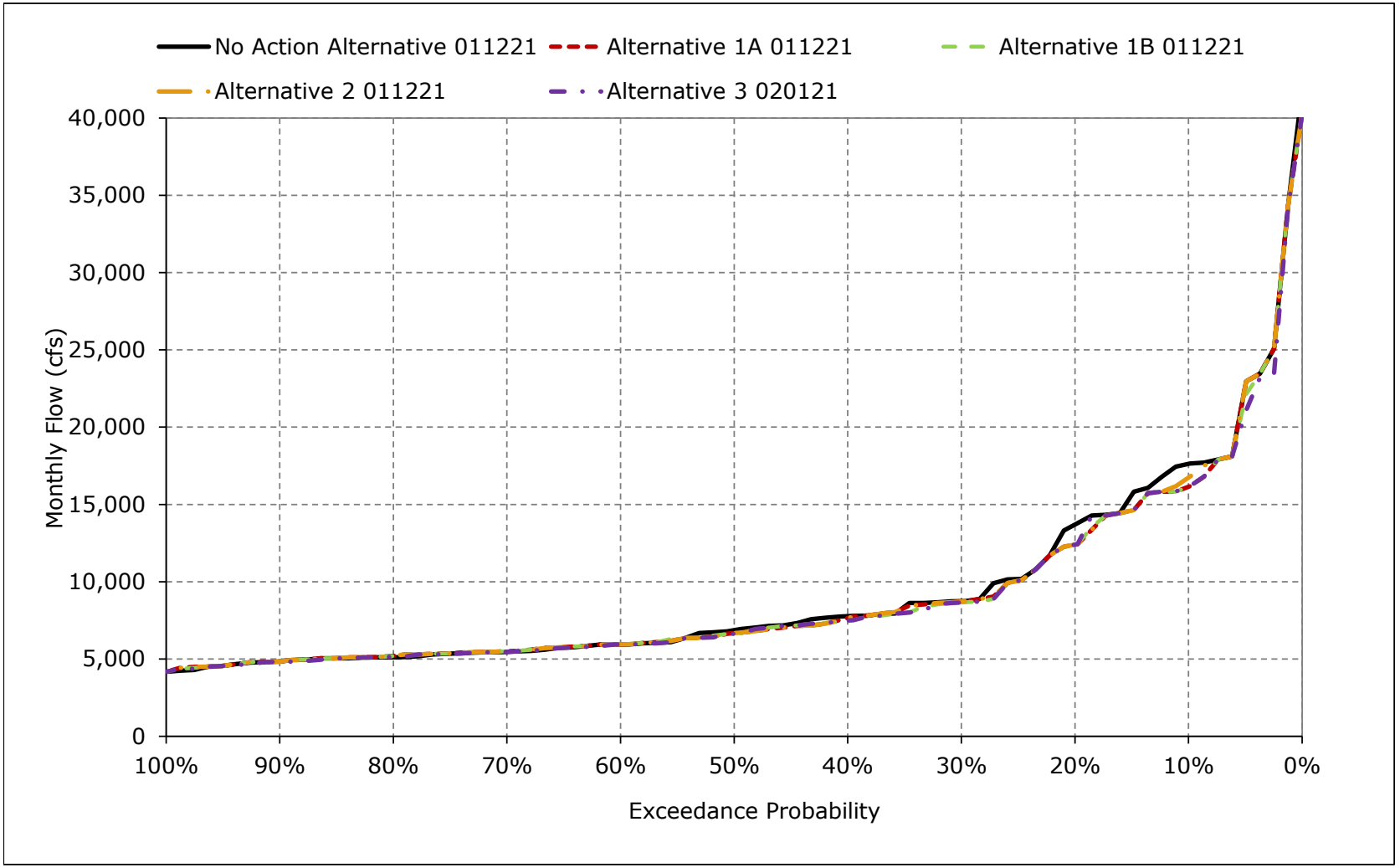


Figure 5B2-12-14. Sacramento River below Red Bluff Diversion Dam Flow, May

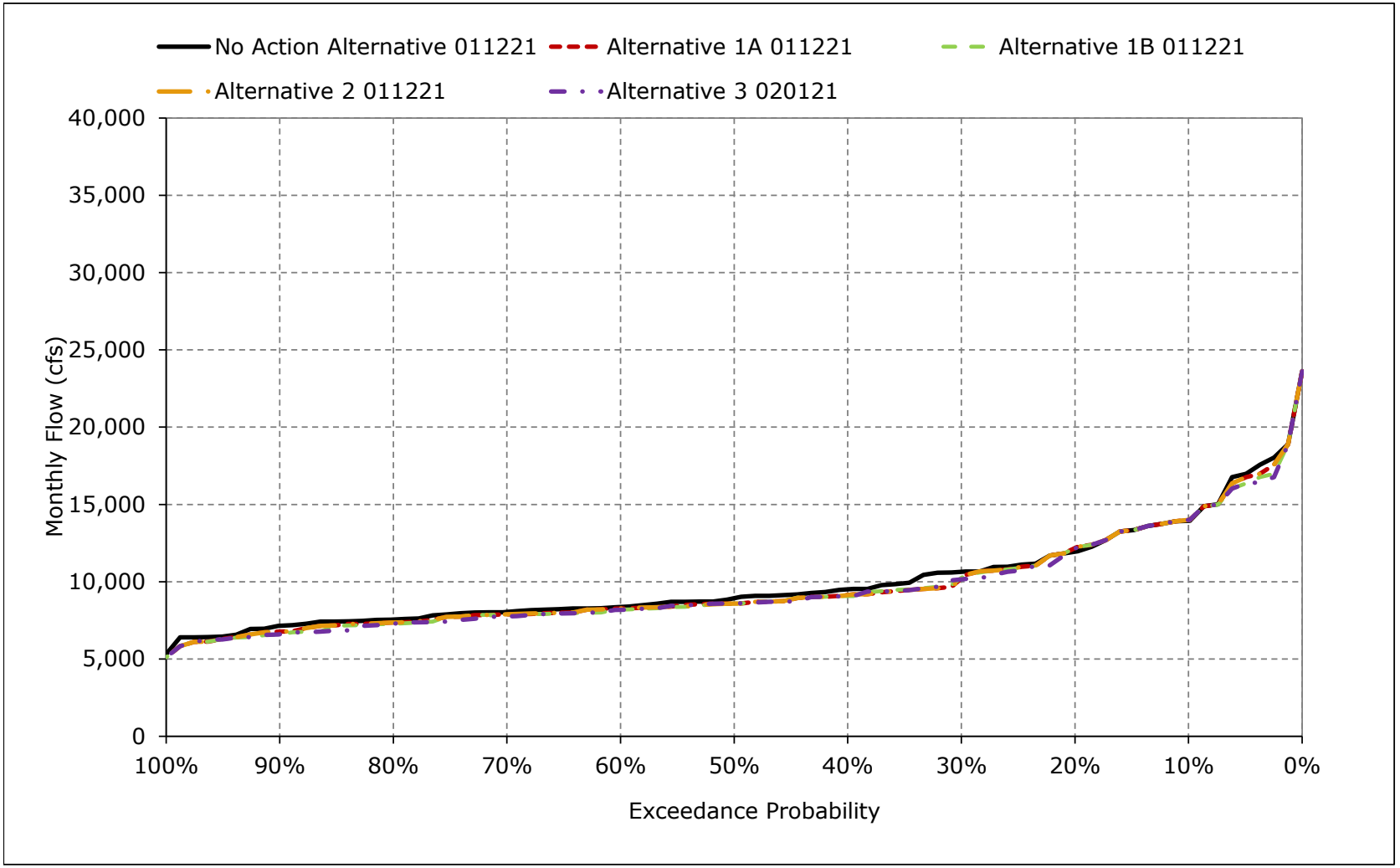


Figure 5B2-12-15. Sacramento River below Red Bluff Diversion Dam Flow, June

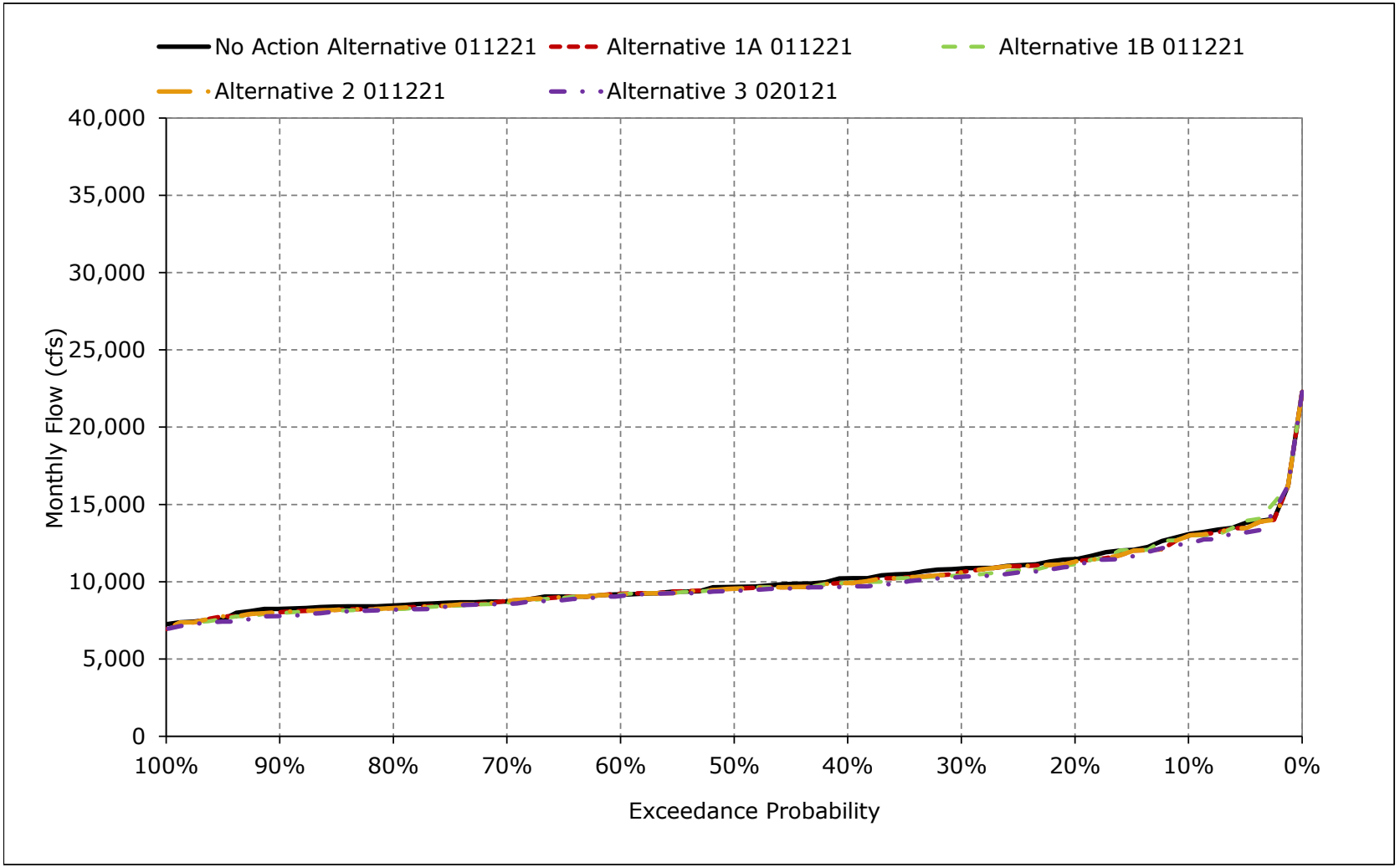


Figure 5B2-12-16. Sacramento River below Red Bluff Diversion Dam Flow, July

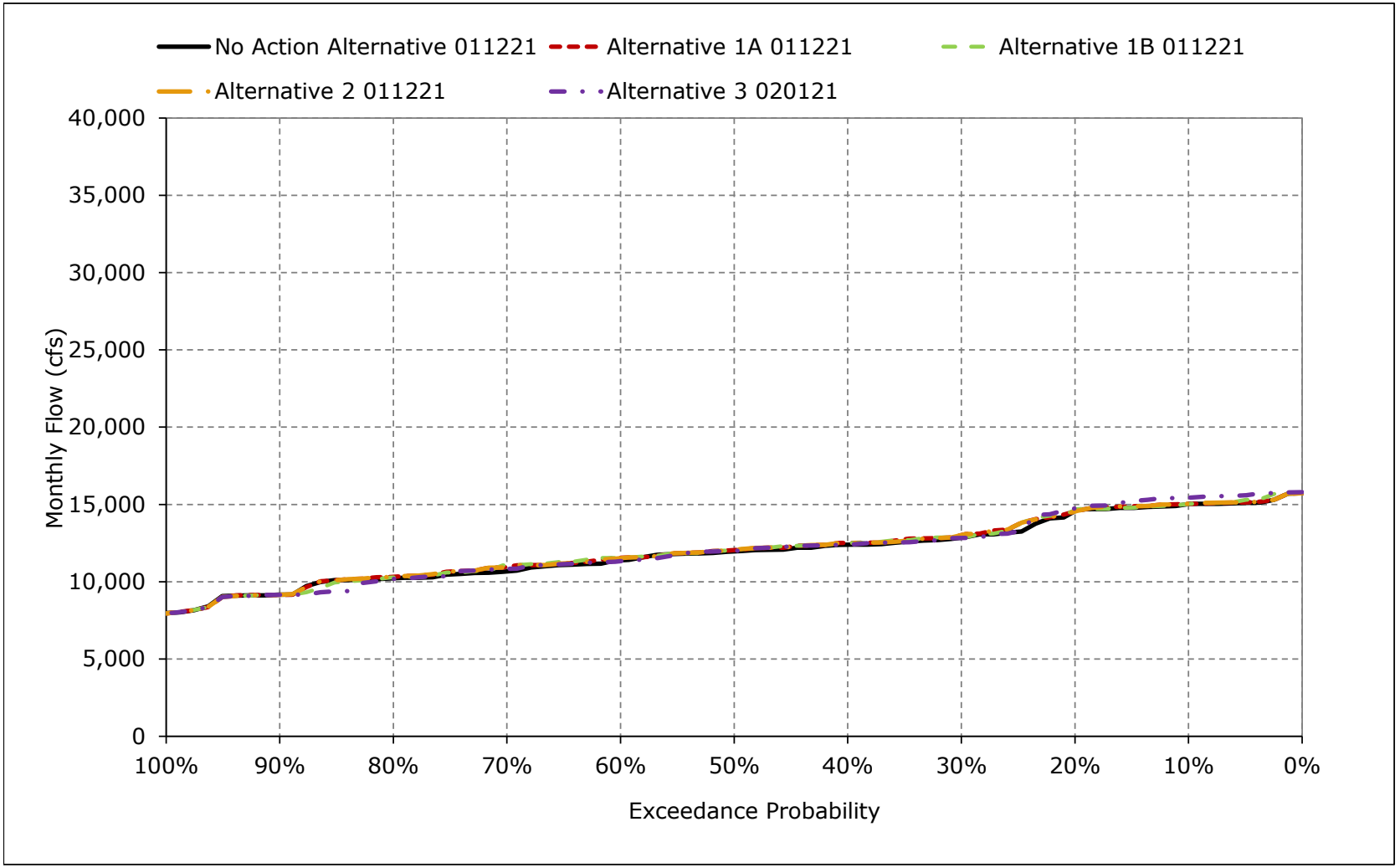


Figure 5B2-12-17. Sacramento River below Red Bluff Diversion Dam Flow, August

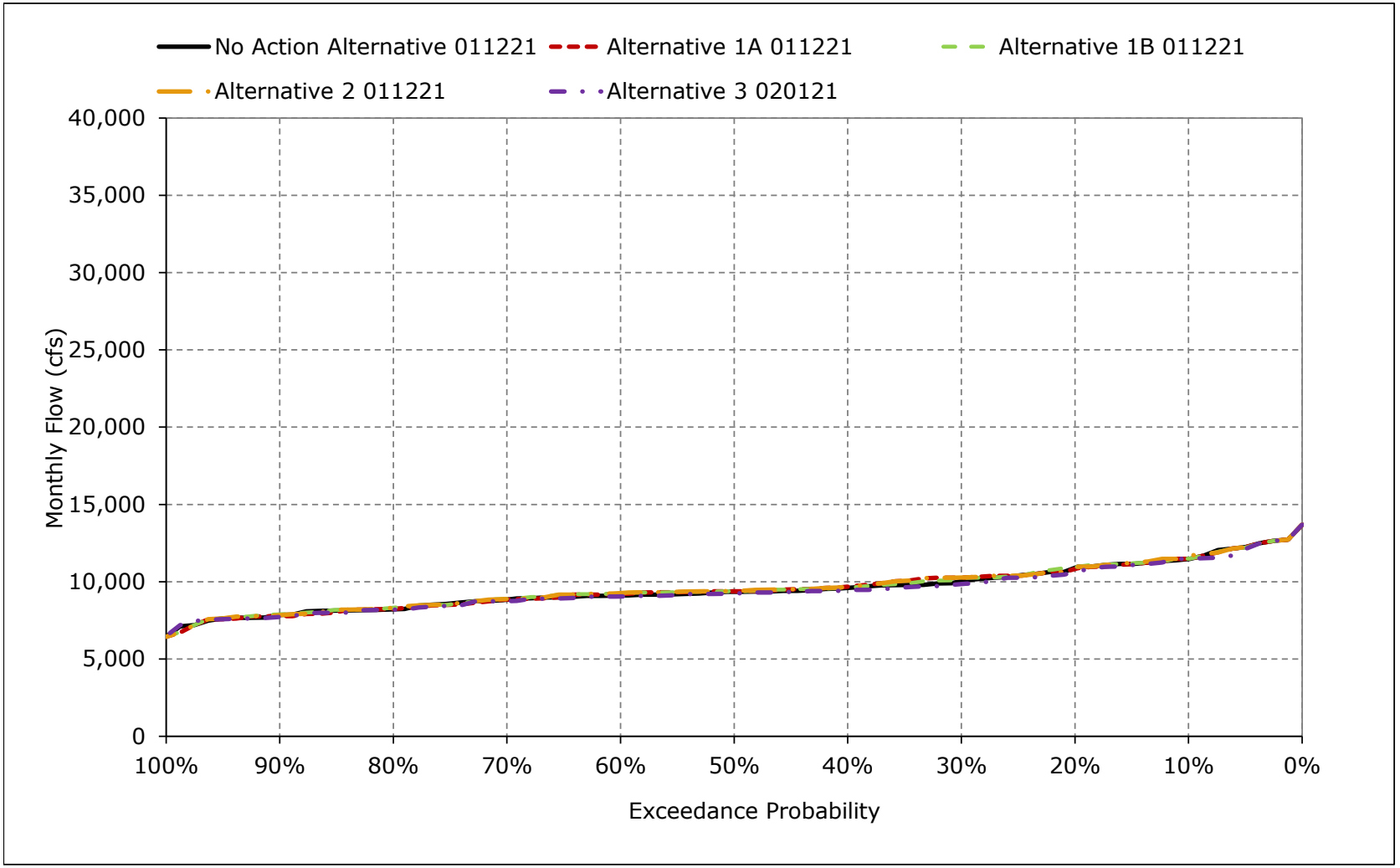


Figure 5B2-12-18. Sacramento River below Red Bluff Diversion Dam Flow, September

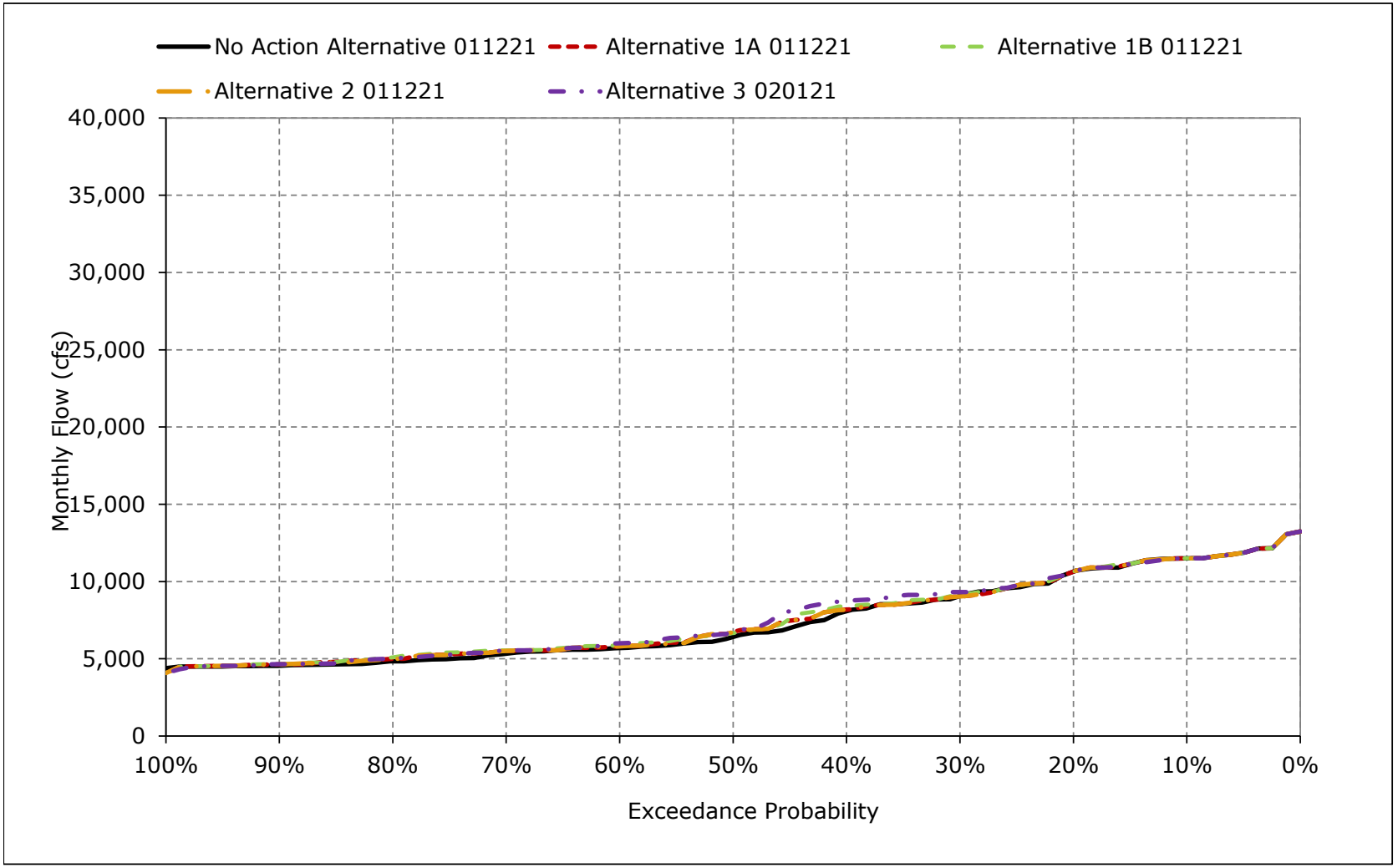


Table 5B2-13-1a. Sacramento River Flow at Hamilton City, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	13,269	31,161	42,851	49,409	34,404	20,461	14,341	10,783	12,442	9,605	11,001
20%	8,374	9,132	19,234	26,396	33,068	22,537	16,406	12,469	9,691	12,051	8,724	10,154
30%	7,103	8,475	12,483	18,353	22,473	19,676	10,394	9,007	8,945	10,533	8,107	8,534
40%	6,709	7,621	10,087	14,564	15,912	13,218	8,766	8,019	8,144	9,995	7,529	7,556
50%	6,219	6,999	7,936	10,760	12,611	11,419	7,795	7,490	7,789	9,677	7,388	5,953
60%	6,037	6,649	7,150	8,301	10,398	9,374	7,034	7,179	7,253	9,103	7,218	5,138
70%	5,802	6,261	6,515	7,483	8,767	8,707	6,284	6,629	6,962	8,440	6,970	4,889
80%	5,534	5,874	5,843	6,587	7,184	7,097	5,771	6,341	6,607	7,895	6,425	4,388
90%	4,856	5,458	5,210	5,438	5,977	6,538	5,219	5,896	6,322	6,929	6,090	4,040
Long Term												
Full Simulation Period[a]	6,849	8,506	13,501	17,808	21,248	16,978	10,752	9,085	8,282	9,644	7,616	6,942
Water Year Types[b,c]												
Wet (32%)	8,297	9,582	14,455	32,780	35,503	28,021	16,778	12,053	8,440	9,928	8,511	10,077
Above Normal (15%)	6,657	10,622	13,021	19,441	27,752	20,211	11,140	9,742	8,190	11,107	8,113	8,012
Below Normal (17%)	6,930	8,266	14,669	10,879	14,992	10,294	8,469	7,330	8,216	9,933	7,138	5,433
Dry (22%)	5,613	7,317	15,624	7,652	10,418	10,365	7,057	7,176	8,636	9,375	6,996	4,642
Critical (15%)	5,662	6,125	7,368	7,052	7,401	7,535	5,511	6,907	7,577	7,630	6,668	4,292

Table 5B2-13-1b. Sacramento River Flow at Hamilton City, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,361	12,637	30,992	40,205	48,442	32,492	18,560	14,332	10,682	12,541	9,501	11,002
20%	8,374	9,082	19,452	25,723	32,617	21,483	13,571	12,202	9,381	12,245	8,935	9,791
30%	7,384	8,273	12,371	16,318	21,213	16,765	10,283	8,964	8,896	11,027	8,302	8,505
40%	6,876	7,517	9,740	13,762	15,662	11,941	8,766	7,722	7,993	10,370	7,916	7,803
50%	6,546	6,994	7,665	10,227	11,818	9,228	7,469	7,409	7,727	9,919	7,554	6,468
60%	6,251	6,642	6,799	7,857	9,947	8,393	6,724	6,834	7,265	9,644	7,345	5,466
70%	6,030	6,253	6,264	7,208	8,256	7,647	6,218	6,516	6,820	8,661	7,145	4,973
80%	5,649	5,861	5,884	6,325	6,626	6,717	5,893	6,101	6,479	8,079	6,774	4,666
90%	5,304	5,570	5,395	5,439	5,984	6,012	5,284	5,682	6,163	7,489	6,118	4,286
Long Term												
Full Simulation Period[a]	6,957	8,406	13,268	16,968	20,243	15,800	10,383	8,861	8,160	9,923	7,777	7,090
Water Year Types[b,c]												
Wet (32%)	8,133	9,222	14,392	31,516	34,085	26,893	15,876	11,789	8,212	9,914	8,430	10,045
Above Normal (15%)	6,730	10,472	12,895	17,823	26,520	18,149	10,858	9,601	7,982	11,165	8,087	8,044
Below Normal (17%)	7,085	8,411	14,263	10,294	13,827	8,965	8,233	7,180	8,047	10,097	7,206	5,565
Dry (22%)	5,801	7,353	15,413	7,308	9,761	9,232	7,031	7,049	8,647	10,133	7,657	5,030
Critical (15%)	6,223	6,143	6,826	6,872	7,182	7,242	5,541	6,456	7,628	8,187	6,898	4,605

Table 5B2-13-1c. Sacramento River Flow at Hamilton City, 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	-632	-169	-2,646	-966	-1,912	-1,901	-10	-100	99	-105	0
20%	0	-50	218	-673	-451	-1,054	-2,835	-267	-311	194	211	-363
30%	281	-201	-112	-2,035	-1,260	-2,911	-111	-43	-49	494	195	-29
40%	167	-103	-346	-802	-251	-1,278	0	-297	-151	375	387	246
50%	326	-6	-271	-534	-793	-2,191	-326	-81	-61	242	166	516
60%	213	-7	-351	-444	-452	-980	-311	-345	12	541	127	329
70%	229	-9	-251	-275	-511	-1,060	-67	-113	-142	222	175	84
80%	114	-13	41	-262	-557	-380	122	-239	-128	184	349	278
90%	448	112	185	0	7	-527	65	-214	-159	560	27	245
Long Term												
Full Simulation Period[a]	108	-101	-234	-839	-1,005	-1,178	-369	-224	-122	280	161	148
Water Year Types[b,c]												
Wet (32%)	-164	-360	-63	-1,264	-1,418	-1,128	-903	-264	-228	-15	-80	-32
Above Normal (15%)	73	-150	-126	-1,618	-1,233	-2,061	-282	-141	-208	58	-25	32
Below Normal (17%)	155	144	-406	-585	-1,165	-1,329	-236	-150	-169	164	68	132
Dry (22%)	188	36	-212	-344	-657	-1,133	-26	-126	11	758	661	388
Critical (15%)	561	18	-542	-180	-219	-293	29	-451	52	557	230	313

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 5B2-13-2a. Sacramento River Flow at Hamilton City, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	13,269	31,161	42,851	49,409	34,404	20,461	14,341	10,783	12,442	9,605	11,001
20%	8,374	9,132	19,234	26,396	33,068	22,537	16,406	12,469	9,691	12,051	8,724	10,154
30%	7,103	8,475	12,483	18,353	22,473	19,676	10,394	9,007	8,945	10,533	8,107	8,534
40%	6,709	7,621	10,087	14,564	15,912	13,218	8,766	8,019	8,144	9,995	7,529	7,556
50%	6,219	6,999	7,936	10,760	12,611	11,419	7,795	7,490	7,789	9,677	7,388	5,953
60%	6,037	6,649	7,150	8,301	10,398	9,374	7,034	7,179	7,253	9,103	7,218	5,138
70%	5,802	6,261	6,515	7,483	8,767	8,707	6,284	6,629	6,962	8,440	6,970	4,889
80%	5,534	5,874	5,843	6,587	7,184	7,097	5,771	6,341	6,607	7,895	6,425	4,388
90%	4,856	5,458	5,210	5,438	5,977	6,538	5,219	5,896	6,322	6,929	6,090	4,040
Long Term												
Full Simulation Period[a]	6,849	8,506	13,501	17,808	21,248	16,978	10,752	9,085	8,282	9,644	7,616	6,942
Water Year Types[b,c]												
Wet (32%)	8,297	9,582	14,455	32,780	35,503	28,021	16,778	12,053	8,440	9,928	8,511	10,077
Above Normal (15%)	6,657	10,622	13,021	19,441	27,752	20,211	11,140	9,742	8,190	11,107	8,113	8,012
Below Normal (17%)	6,930	8,266	14,669	10,879	14,992	10,294	8,469	7,330	8,216	9,933	7,138	5,433
Dry (22%)	5,613	7,317	15,624	7,652	10,418	10,365	7,057	7,176	8,636	9,375	6,996	4,642
Critical (15%)	5,662	6,125	7,368	7,052	7,401	7,535	5,511	6,907	7,577	7,630	6,668	4,292

Table 5B2-13-2b. Sacramento River Flow at Hamilton City, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	12,631	30,978	40,156	48,419	32,495	18,560	14,332	10,587	12,563	9,487	11,002
20%	8,374	9,081	20,649	25,725	31,445	21,539	13,568	12,207	9,154	12,186	8,940	10,154
30%	7,457	8,227	12,636	16,318	21,245	16,766	10,284	8,937	8,632	11,022	8,289	8,592
40%	6,838	7,569	10,043	13,336	15,765	11,805	8,766	7,723	7,993	10,390	7,897	7,971
50%	6,505	7,057	7,653	10,226	11,819	9,088	7,467	7,403	7,693	9,911	7,584	6,368
60%	6,249	6,727	6,887	7,776	9,946	8,394	6,721	6,833	7,169	9,656	7,398	5,533
70%	5,985	6,365	6,471	7,088	8,254	7,647	6,216	6,523	6,780	8,700	7,197	5,025
80%	5,613	5,917	5,884	6,325	6,627	6,719	5,893	6,107	6,479	8,010	6,754	4,731
90%	5,325	5,686	5,345	5,440	5,953	6,118	5,284	5,683	6,163	7,432	6,164	4,279
Long Term												
Full Simulation Period[a]	6,939	8,507	13,278	16,914	20,219	15,785	10,332	8,835	8,127	9,925	7,807	7,152
Water Year Types[b,c]												
Wet (32%)	8,124	9,158	14,389	31,401	33,940	26,851	15,753	11,708	8,181	9,915	8,431	10,089
Above Normal (15%)	6,751	10,434	13,023	17,823	26,451	18,204	10,901	9,607	7,770	11,158	8,143	8,373
Below Normal (17%)	7,158	8,602	14,346	10,284	13,928	8,975	8,237	7,184	7,977	10,091	7,235	5,623
Dry (22%)	5,707	7,764	15,262	7,301	9,817	9,211	6,946	7,051	8,754	10,146	7,623	4,984
Critical (15%)	6,151	6,173	6,902	6,770	7,199	7,196	5,543	6,440	7,603	8,185	7,066	4,602

Table 5B2-13-2c. Sacramento River Flow at Hamilton City, 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%	0	-638	-183	-2,695	-989	-1,910	-1,901	-9	-196	121	-119	0
20%	0	-51	1,414	-672	-1,623	-998	-2,838	-262	-538	135	217	0
30%	354	-248	153	-2,035	-1,228	-2,910	-110	-71	-313	489	182	57
40%	129	-52	-44	-1,228	-147	-1,414	0	-296	-151	395	368	414
50%	285	57	-283	-534	-792	-2,331	-329	-87	-95	235	196	415
60%	211	79	-263	-525	-452	-980	-314	-346	-84	553	179	395
70%	184	104	-44	-396	-513	-1,060	-68	-106	-182	260	227	137
80%	79	43	41	-262	-557	-378	122	-234	-128	116	329	343
90%	469	228	135	2	-24	-420	65	-213	-159	503	74	239
Long Term												
Full Simulation Period[a]	90	1	-224	-894	-1,029	-1,193	-419	-250	-154	281	192	210
Water Year Types[b,c]												
Wet (32%)	-172	-424	-67	-1,379	-1,563	-1,170	-1,025	-345	-258	-14	-80	12
Above Normal (15%)	94	-188	1	-1,618	-1,301	-2,007	-239	-135	-420	51	30	361
Below Normal (17%)	228	336	-322	-595	-1,064	-1,319	-232	-146	-239	159	97	190
Dry (22%)	94	447	-362	-351	-601	-1,154	-111	-125	118	772	627	342
Critical (15%)	489	48	-466	-282	-202	-339	31	-467	26	555	398	310

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 5B2-13-3a. Sacramento River Flow at Hamilton City, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	13,269	31,161	42,851	49,409	34,404	20,461	14,341	10,783	12,442	9,605	11,001
20%	8,374	9,132	19,234	26,396	33,068	22,537	16,406	12,469	9,691	12,051	8,724	10,154
30%	7,103	8,475	12,483	18,353	22,473	19,676	10,394	9,007	8,945	10,533	8,107	8,534
40%	6,709	7,621	10,087	14,564	15,912	13,218	8,766	8,019	8,144	9,995	7,529	7,556
50%	6,219	6,999	7,936	10,760	12,611	11,419	7,795	7,490	7,789	9,677	7,388	5,953
60%	6,037	6,649	7,150	8,301	10,398	9,374	7,034	7,179	7,253	9,103	7,218	5,138
70%	5,802	6,261	6,515	7,483	8,767	8,707	6,284	6,629	6,962	8,440	6,970	4,889
80%	5,534	5,874	5,843	6,587	7,184	7,097	5,771	6,341	6,607	7,895	6,425	4,388
90%	4,856	5,458	5,210	5,438	5,977	6,538	5,219	5,896	6,322	6,929	6,090	4,040
Long Term												
Full Simulation Period[a]	6,849	8,506	13,501	17,808	21,248	16,978	10,752	9,085	8,282	9,644	7,616	6,942
Water Year Types[b,c]												
Wet (32%)	8,297	9,582	14,455	32,780	35,503	28,021	16,778	12,053	8,440	9,928	8,511	10,077
Above Normal (15%)	6,657	10,622	13,021	19,441	27,752	20,211	11,140	9,742	8,190	11,107	8,113	8,012
Below Normal (17%)	6,930	8,266	14,669	10,879	14,992	10,294	8,469	7,330	8,216	9,933	7,138	5,433
Dry (22%)	5,613	7,317	15,624	7,652	10,418	10,365	7,057	7,176	8,636	9,375	6,996	4,642
Critical (15%)	5,662	6,125	7,368	7,052	7,401	7,535	5,511	6,907	7,577	7,630	6,668	4,292

Table 5B2-13-3b. Sacramento River Flow at Hamilton City, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,361	12,625	30,997	40,212	48,972	32,593	18,582	14,332	10,693	12,545	9,500	11,002
20%	8,374	9,082	19,468	25,723	32,617	21,484	13,571	12,209	9,381	12,277	8,944	10,154
30%	7,387	8,273	12,372	16,328	21,283	16,765	10,283	8,964	8,897	11,027	8,338	8,508
40%	6,876	7,529	9,740	14,143	15,662	11,941	8,766	7,722	7,951	10,346	7,878	7,799
50%	6,547	6,992	7,665	10,227	11,818	9,228	7,467	7,403	7,732	9,876	7,554	6,469
60%	6,253	6,579	6,891	7,843	9,947	8,393	6,727	6,834	7,214	9,644	7,370	5,448
70%	6,012	6,188	6,487	7,208	8,254	7,647	6,217	6,516	6,787	8,661	7,203	4,973
80%	5,649	5,892	5,850	6,325	6,627	6,717	5,893	6,103	6,479	8,091	6,791	4,665
90%	5,330	5,552	5,399	5,439	5,984	6,011	5,284	5,682	6,163	7,486	6,122	4,276
Long Term												
Full Simulation Period[a]	6,963	8,380	13,284	16,967	20,268	15,888	10,420	8,859	8,148	9,917	7,794	7,098
Water Year Types[b,c]												
Wet (32%)	8,135	9,226	14,394	31,552	34,180	27,115	15,995	11,792	8,215	9,916	8,467	10,080
Above Normal (15%)	6,730	10,480	12,895	17,824	26,543	18,173	10,858	9,601	7,982	11,168	8,088	8,049
Below Normal (17%)	7,139	8,342	14,271	10,293	13,766	8,971	8,233	7,180	8,047	10,101	7,216	5,570
Dry (22%)	5,807	7,267	15,422	7,308	9,761	9,295	7,031	7,049	8,608	10,135	7,612	5,033
Critical (15%)	6,184	6,165	6,908	6,785	7,194	7,239	5,541	6,439	7,595	8,126	6,988	4,569

Table 5B2-13-3c. Sacramento River Flow at Hamilton City, 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%	-1	-644	-164	-2,639	-437	-1,811	-1,879	-10	-90	103	-105	0
20%	0	-50	234	-674	-451	-1,053	-2,835	-260	-311	226	221	0
30%	284	-202	-112	-2,025	-1,190	-2,911	-111	-44	-48	494	231	-26
40%	167	-92	-347	-421	-250	-1,278	0	-297	-194	350	349	243
50%	328	-7	-271	-534	-793	-2,191	-328	-87	-57	199	166	516
60%	216	-70	-259	-458	-452	-980	-307	-345	-39	541	151	310
70%	211	-73	-28	-275	-514	-1,060	-67	-113	-175	221	234	84
80%	115	18	7	-262	-557	-380	122	-238	-128	196	366	276
90%	475	95	189	0	7	-528	65	-214	-159	557	31	235
Long Term												
Full Simulation Period[a]	114	-126	-218	-841	-980	-1,089	-331	-225	-134	273	178	156
Water Year Types[b,c]												
Wet (32%)	-162	-357	-61	-1,228	-1,323	-906	-783	-261	-224	-13	-44	3
Above Normal (15%)	73	-142	-126	-1,617	-1,209	-2,038	-282	-141	-208	61	-25	36
Below Normal (17%)	209	75	-398	-586	-1,225	-1,324	-236	-150	-169	168	78	137
Dry (22%)	193	-50	-202	-344	-657	-1,070	-26	-127	-28	760	616	391
Critical (15%)	522	40	-461	-267	-207	-296	29	-468	19	496	320	277

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 5B2-13-4a. Sacramento River Flow at Hamilton City, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	13,269	31,161	42,851	49,409	34,404	20,461	14,341	10,783	12,442	9,605	11,001
20%	8,374	9,132	19,234	26,396	33,068	22,537	16,406	12,469	9,691	12,051	8,724	10,154
30%	7,103	8,475	12,483	18,353	22,473	19,676	10,394	9,007	8,945	10,533	8,107	8,534
40%	6,709	7,621	10,087	14,564	15,912	13,218	8,766	8,019	8,144	9,995	7,529	7,556
50%	6,219	6,999	7,936	10,760	12,611	11,419	7,795	7,490	7,789	9,677	7,388	5,953
60%	6,037	6,649	7,150	8,301	10,398	9,374	7,034	7,179	7,253	9,103	7,218	5,138
70%	5,802	6,261	6,515	7,483	8,767	8,707	6,284	6,629	6,962	8,440	6,970	4,889
80%	5,534	5,874	5,843	6,587	7,184	7,097	5,771	6,341	6,607	7,895	6,425	4,388
90%	4,856	5,458	5,210	5,438	5,977	6,538	5,219	5,896	6,322	6,929	6,090	4,040
Long Term												
Full Simulation Period[a]	6,849	8,506	13,501	17,808	21,248	16,978	10,752	9,085	8,282	9,644	7,616	6,942
Water Year Types[b,c]												
Wet (32%)	8,297	9,582	14,455	32,780	35,503	28,021	16,778	12,053	8,440	9,928	8,511	10,077
Above Normal (15%)	6,657	10,622	13,021	19,441	27,752	20,211	11,140	9,742	8,190	11,107	8,113	8,012
Below Normal (17%)	6,930	8,266	14,669	10,879	14,992	10,294	8,469	7,330	8,216	9,933	7,138	5,433
Dry (22%)	5,613	7,317	15,624	7,652	10,418	10,365	7,057	7,176	8,636	9,375	6,996	4,642
Critical (15%)	5,662	6,125	7,368	7,052	7,401	7,535	5,511	6,907	7,577	7,630	6,668	4,292

Table 5B2-13-4b. Sacramento River Flow at Hamilton City, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,362	12,724	30,060	40,155	48,415	31,548	18,562	14,332	10,735	13,689	9,344	11,002
20%	8,496	9,103	21,504	25,724	31,177	21,378	13,569	12,021	9,107	12,522	8,729	9,827
30%	7,903	8,353	13,838	16,320	22,697	16,728	10,277	8,753	8,493	11,017	8,092	8,750
40%	7,035	7,575	10,297	13,346	16,422	11,696	8,766	7,794	7,917	10,376	7,733	8,309
50%	6,538	7,030	7,587	10,226	11,819	9,039	7,451	7,400	7,654	9,824	7,464	6,367
60%	6,251	6,573	6,785	7,658	9,946	8,393	6,701	6,942	7,183	9,447	7,298	5,535
70%	6,021	6,185	6,490	7,156	8,254	7,727	6,173	6,563	6,820	8,713	7,045	4,968
80%	5,767	5,804	5,930	6,325	6,850	6,676	5,770	6,136	6,548	8,146	6,638	4,719
90%	5,397	5,651	5,266	5,440	5,979	6,140	5,284	5,698	6,251	7,267	6,089	4,207
Long Term												
Full Simulation Period[a]	7,072	8,507	13,424	16,902	20,334	15,669	10,235	8,831	8,114	10,108	7,665	7,196
Water Year Types[b,c]												
Wet (32%)	8,130	9,167	14,397	31,393	34,072	26,484	15,507	11,598	8,143	9,916	8,430	10,046
Above Normal (15%)	7,141	10,489	13,023	17,822	26,974	18,072	10,902	9,606	7,736	12,101	7,859	8,822
Below Normal (17%)	7,429	8,643	14,554	10,280	13,886	8,951	8,288	7,257	7,950	10,558	7,215	5,711
Dry (22%)	5,878	7,717	15,739	7,300	9,846	9,289	6,925	7,096	8,812	10,084	7,314	4,914
Critical (15%)	6,083	6,121	6,924	6,712	7,186	7,239	5,384	6,498	7,571	8,044	6,862	4,549

Table 5B2-13-4c. Sacramento River Flow at Hamilton City, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

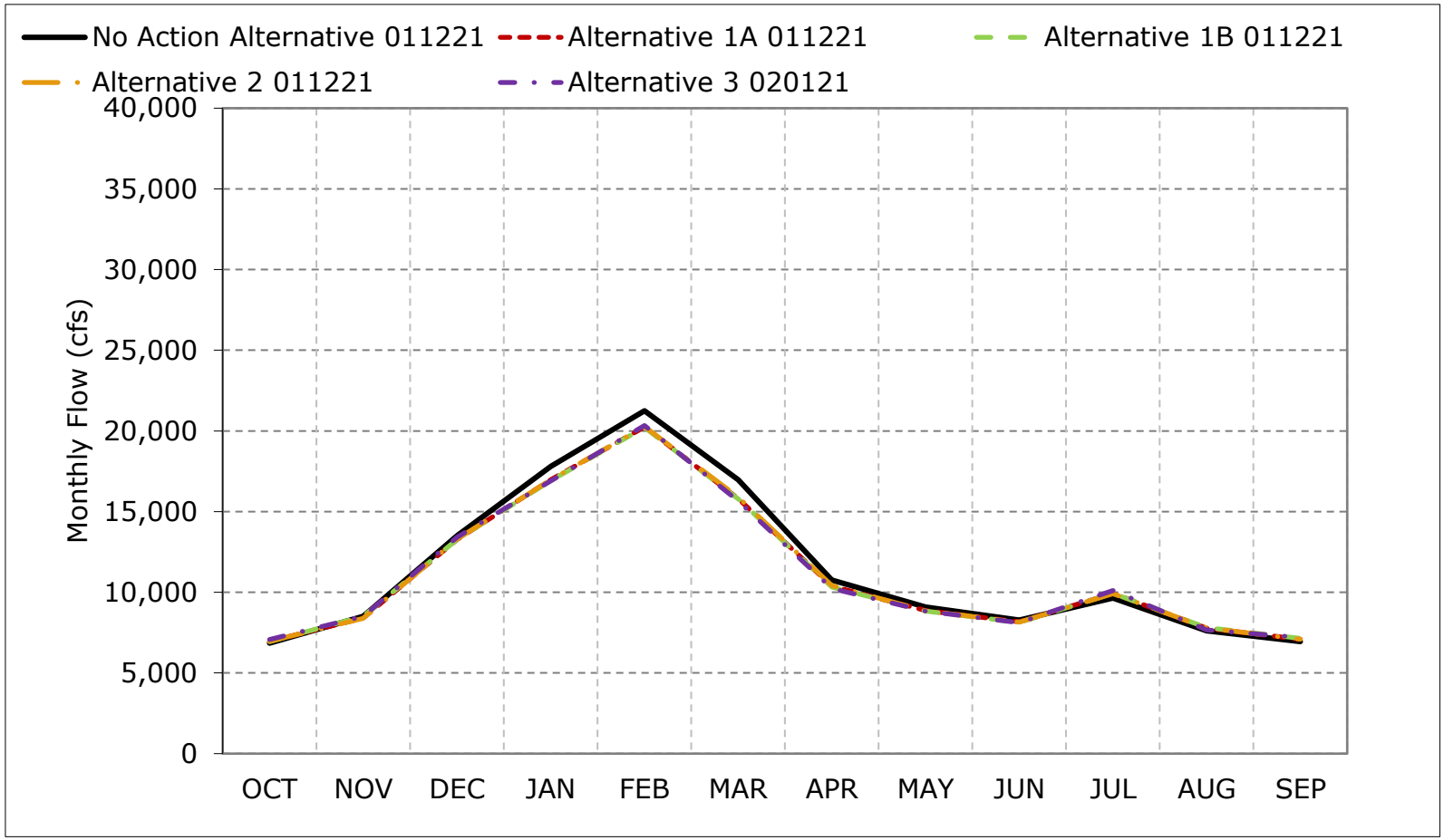
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-545	-1,101	-2,696	-994	-2,856	-1,900	-9	-48	1,246	-262	1
20%	122	-29	2,269	-673	-1,891	-1,159	-2,837	-448	-584	471	5	-327
30%	801	-122	1,355	-2,033	224	-2,947	-117	-255	-452	484	-15	215
40%	326	-45	210	-1,218	510	-1,522	0	-226	-228	380	204	753
50%	319	31	-349	-535	-792	-2,380	-344	-90	-135	148	76	415
60%	214	-76	-365	-643	-452	-980	-334	-237	-70	344	80	398
70%	219	-77	-25	-327	-513	-980	-111	-67	-142	273	76	79
80%	233	-70	87	-262	-334	-422	0	-205	-60	251	213	331
90%	541	193	56	2	2	-398	65	-199	-71	338	-2	167
Long Term												
Full Simulation Period[a]	223	1	-78	-906	-914	-1,309	-516	-254	-168	465	49	254
Water Year Types[b,c]												
Wet (32%)	-166	-415	-58	-1,387	-1,431	-1,537	-1,272	-455	-296	-12	-81	-31
Above Normal (15%)	484	-133	1	-1,619	-778	-2,139	-238	-136	-454	994	-254	810
Below Normal (17%)	499	376	-114	-599	-1,106	-1,343	-181	-73	-266	625	77	278
Dry (22%)	265	401	114	-353	-572	-1,076	-132	-79	176	710	318	272
Critical (15%)	421	-4	-444	-339	-215	-296	-127	-409	-6	415	194	257

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).

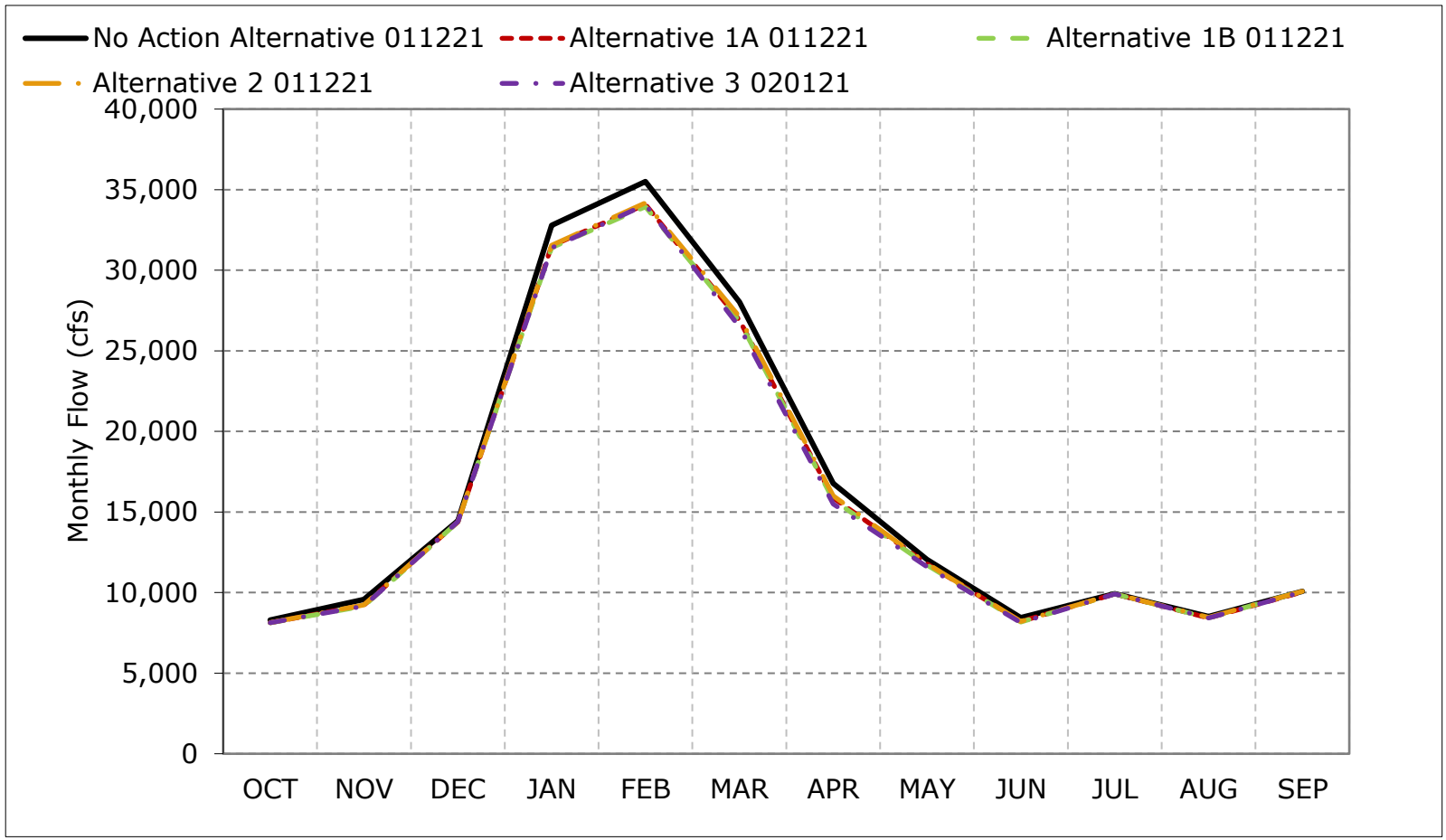
c These results are displayed with calendar year - year type sorting.

Figure 5B2-13-1. Sacramento River Flow at Hamilton City, Long-Term Average Flow



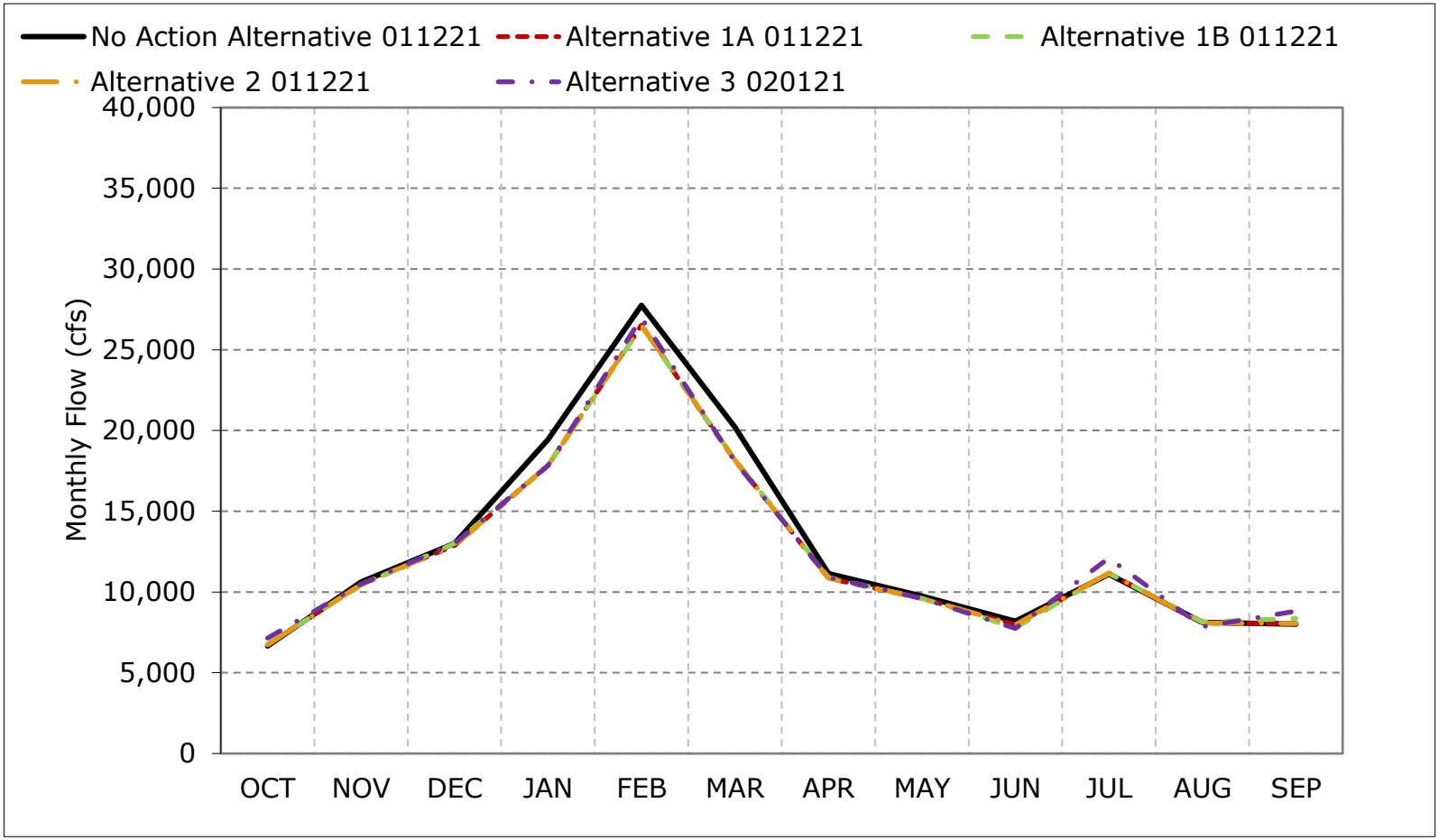
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-13-2. Sacramento River Flow at Hamilton City, Wet Year Average Flow



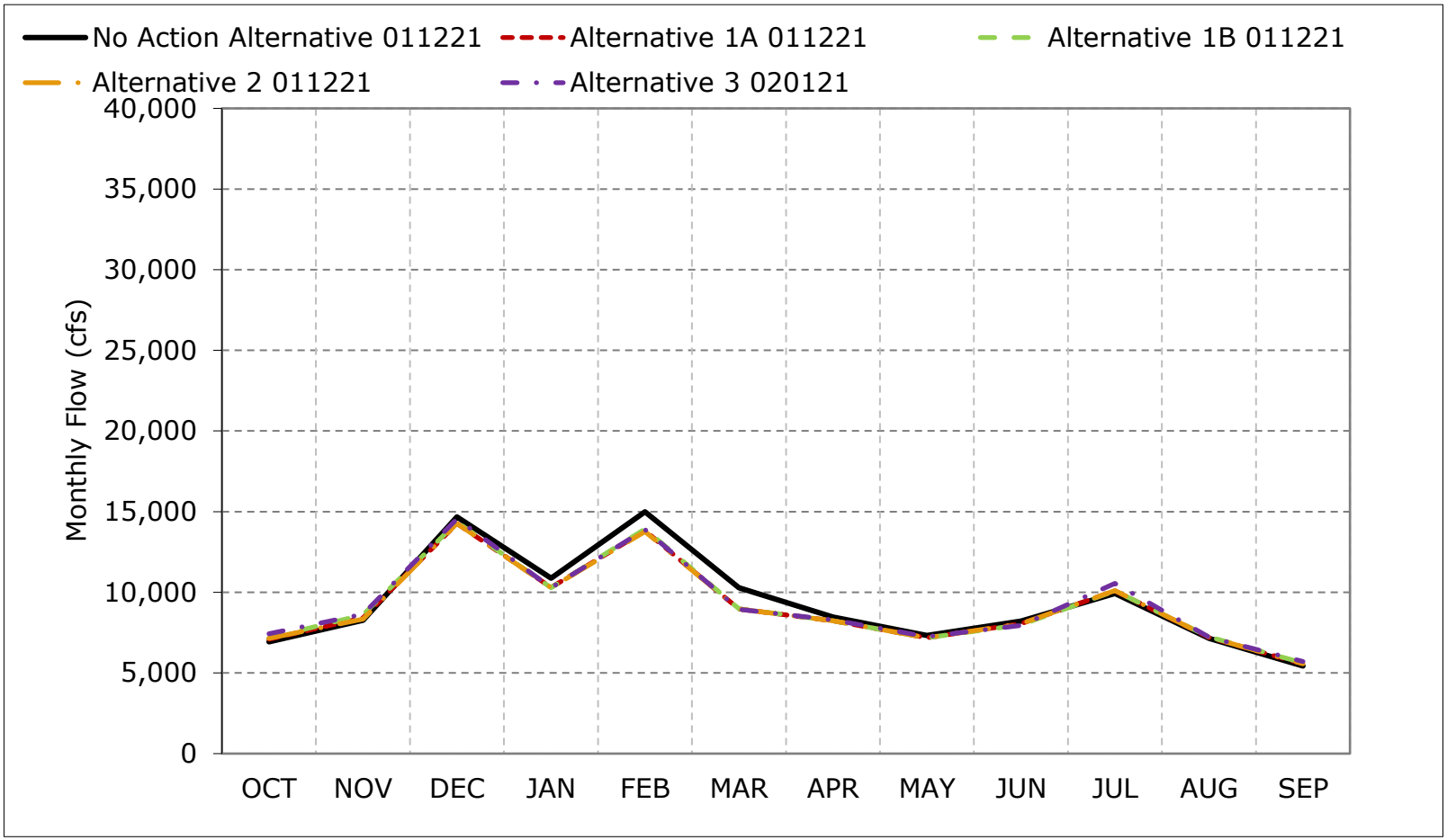
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-13-3. Sacramento River Flow at Hamilton City, Above Normal Year Average Flow



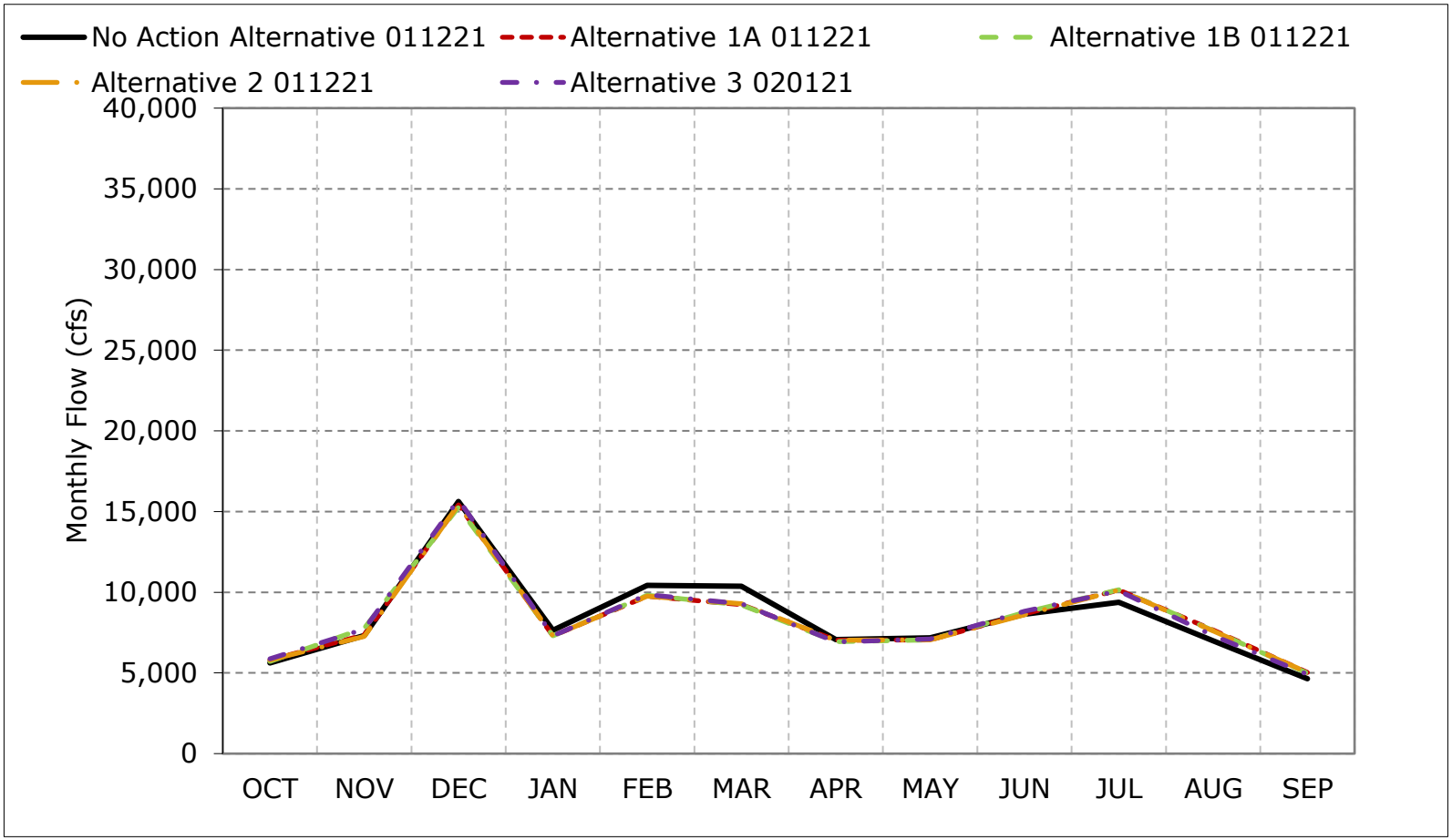
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-13-4. Sacramento River Flow at Hamilton City, Below Normal Year Average Flow



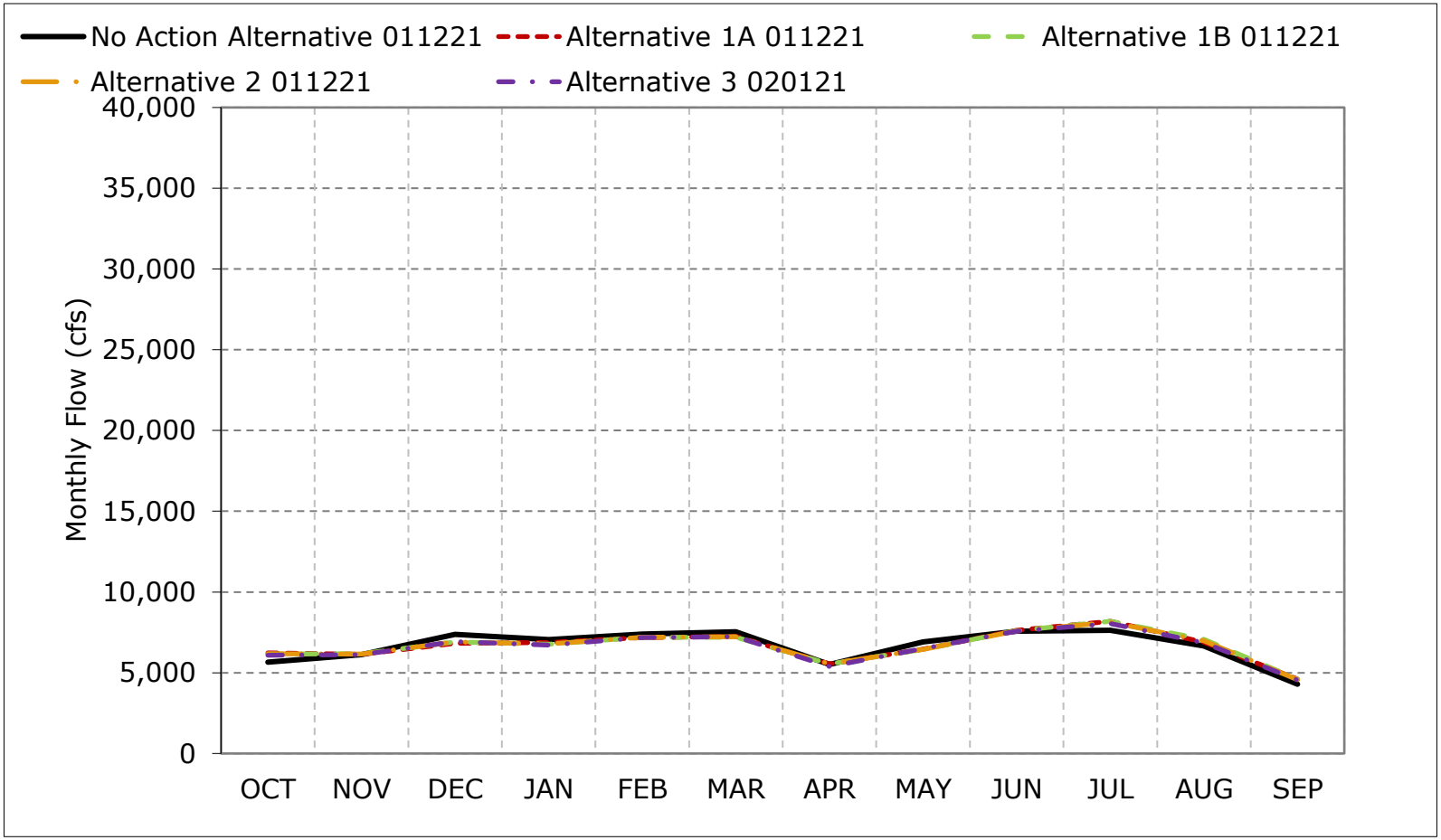
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-13-5. Sacramento River Flow at Hamilton City, 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 5B2-13-6. Sacramento River Flow at Hamilton City, 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 5B2-13-7. Sacramento River Flow at Hamilton City, October

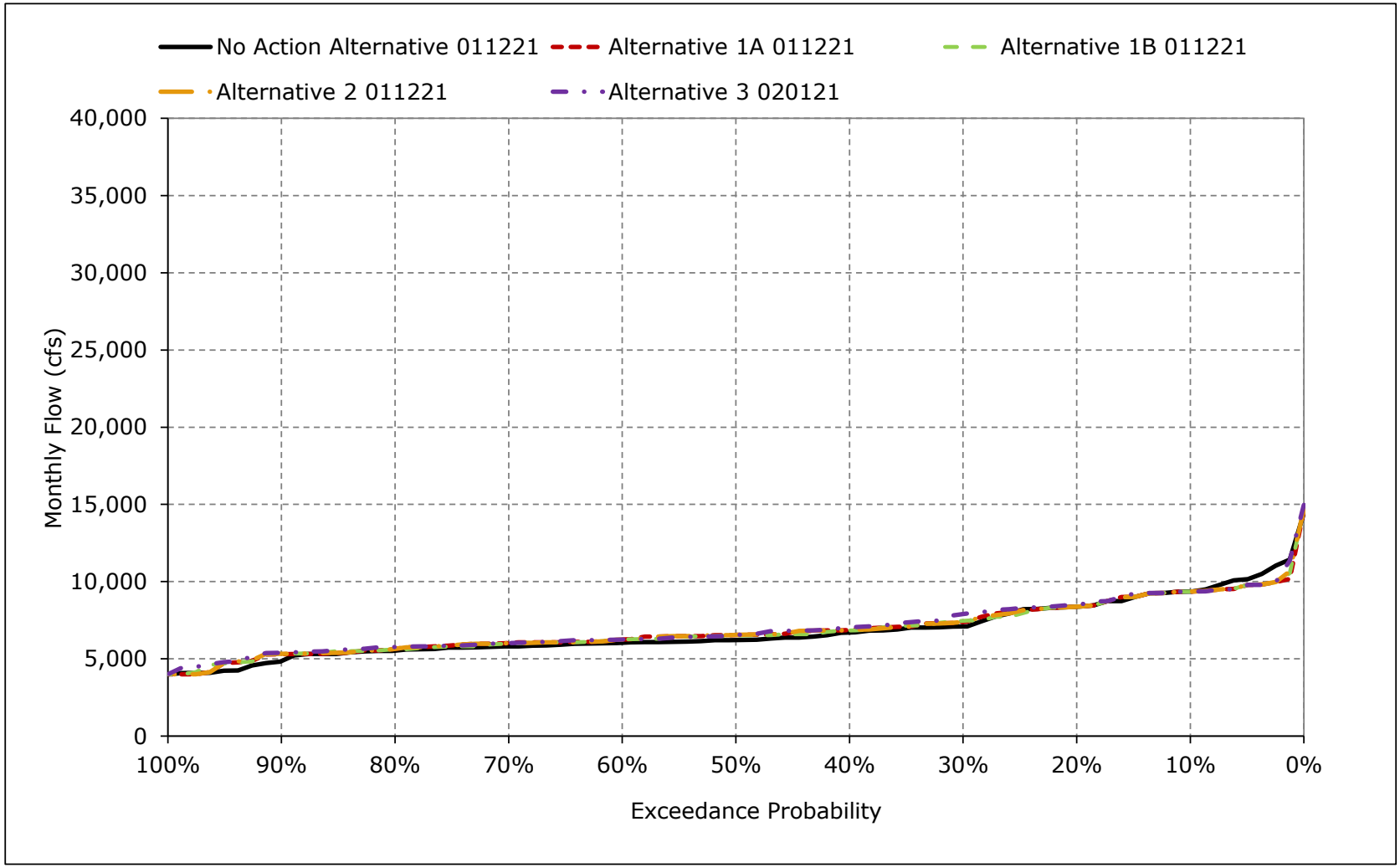


Figure 5B2-13-8. Sacramento River Flow at Hamilton City, November

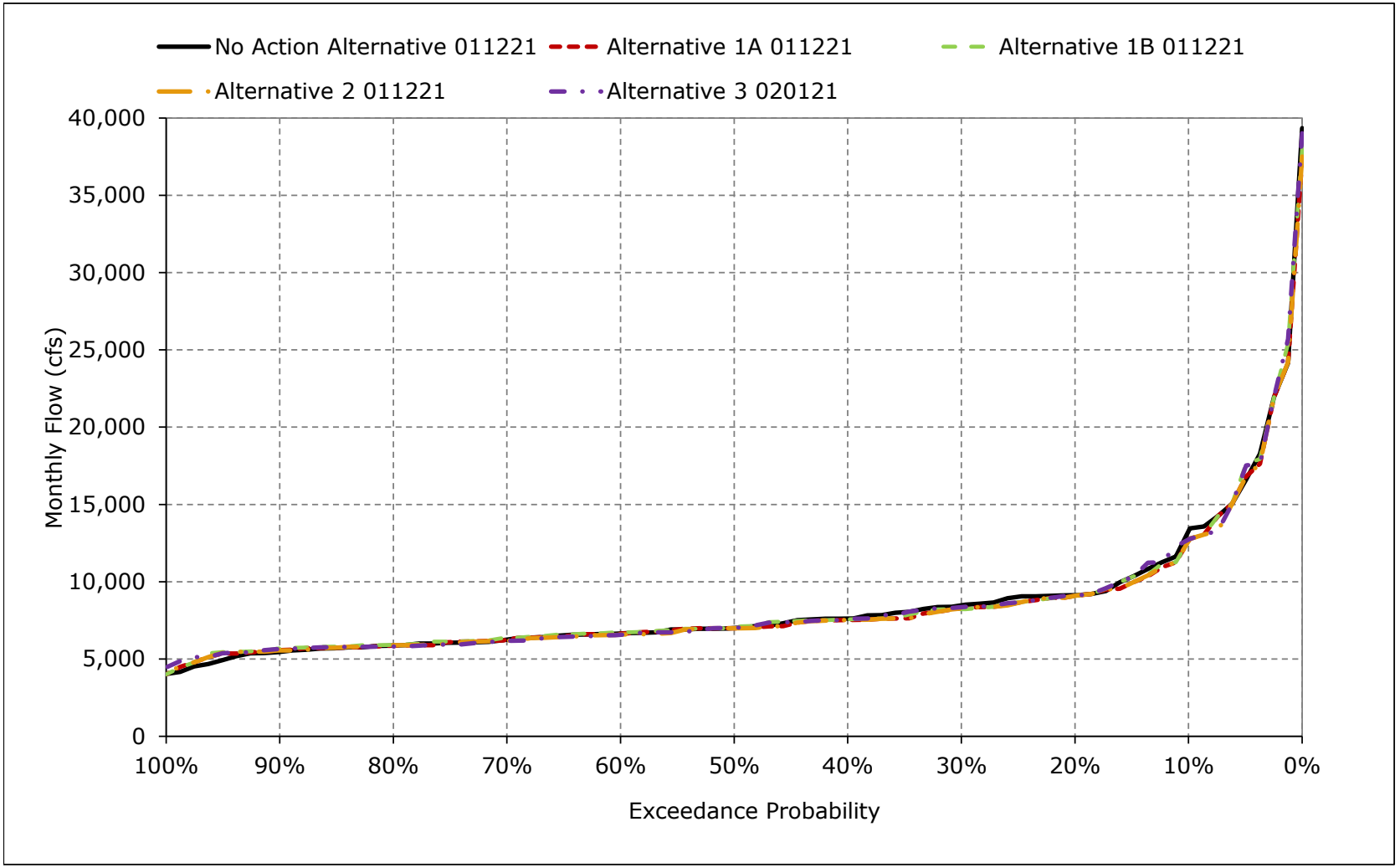


Figure 5B2-13-9. Sacramento River Flow at Hamilton City, December

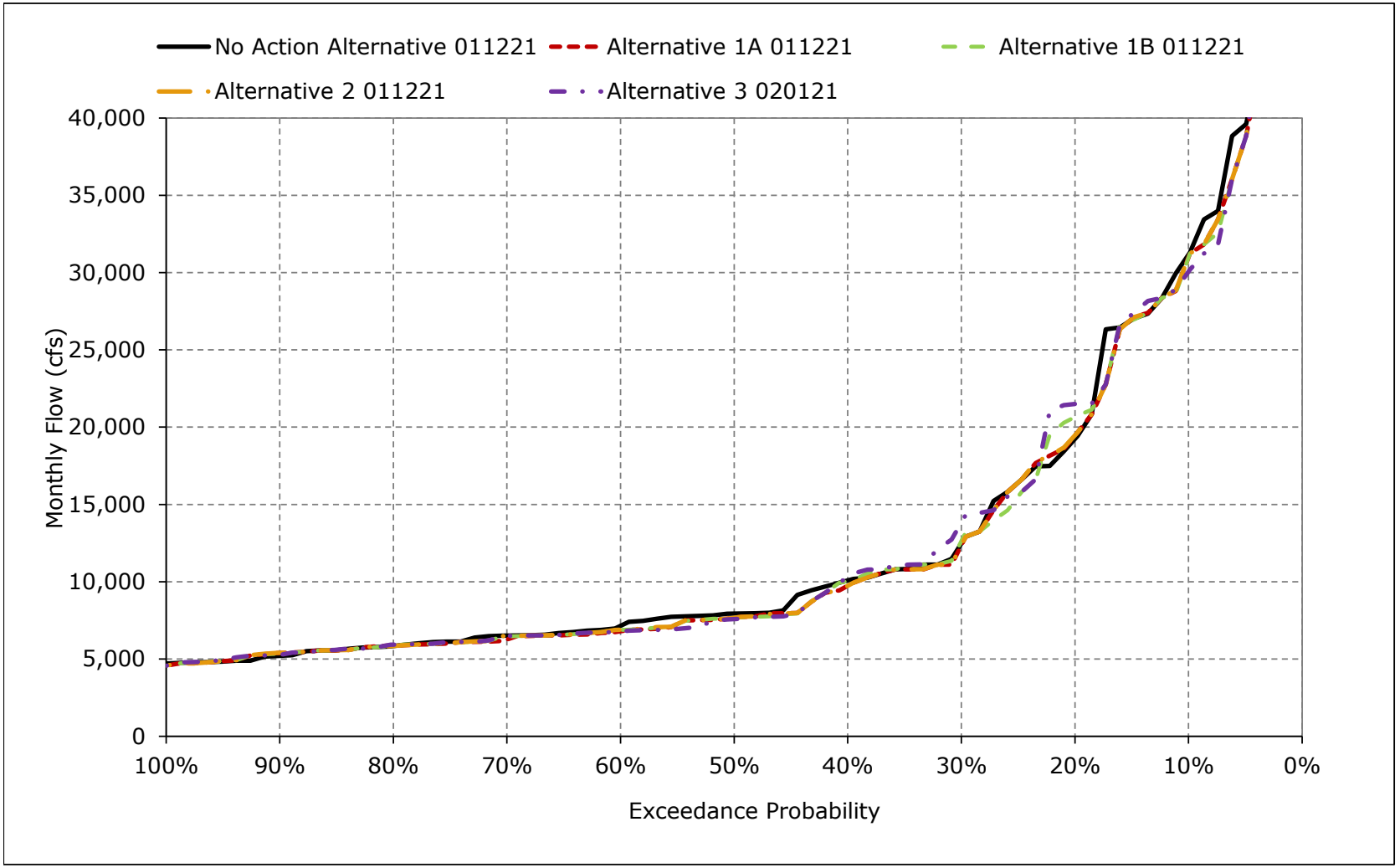


Figure 5B2-13-10. Sacramento River Flow at Hamilton City, January

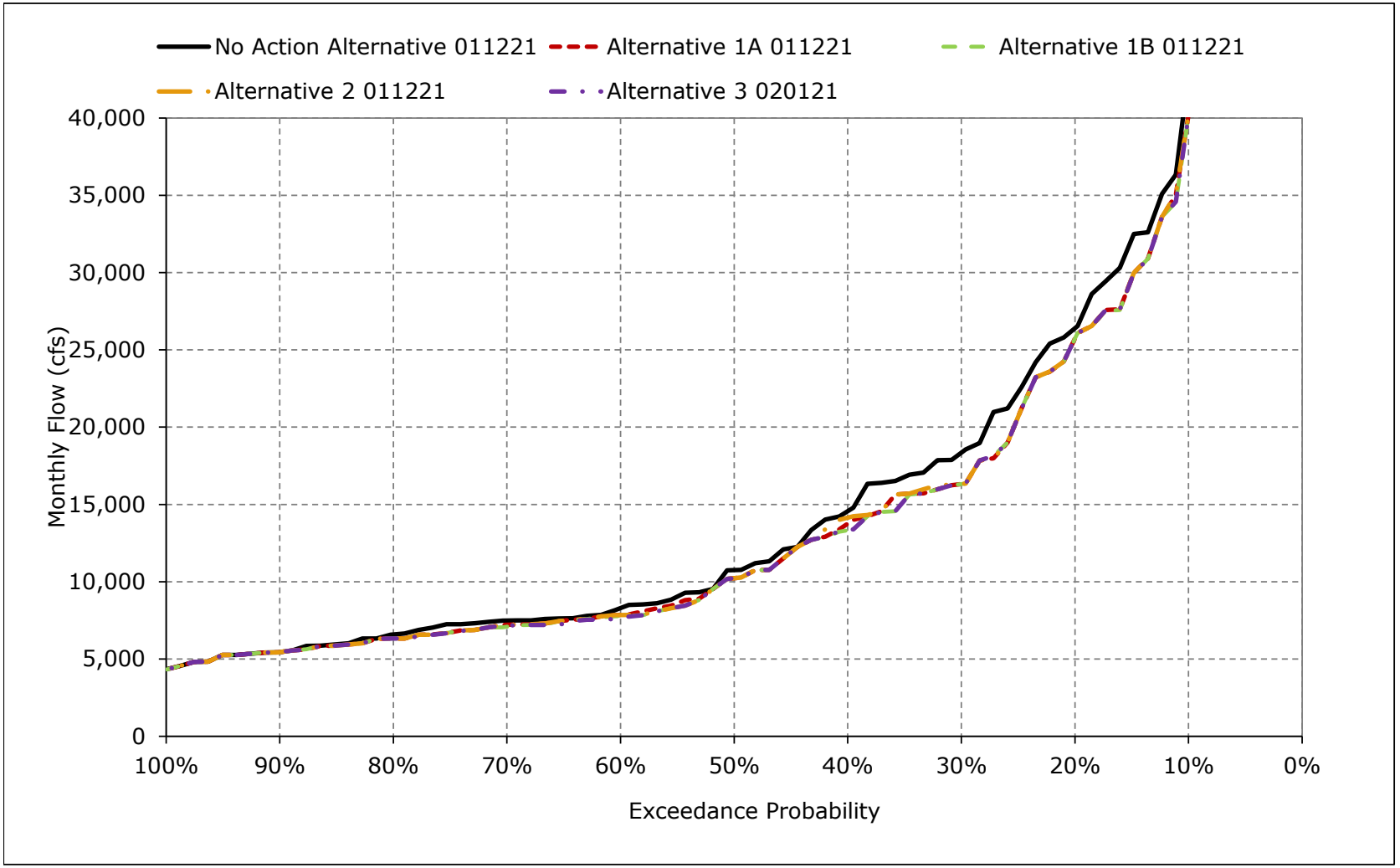


Figure 5B2-13-11. Sacramento River Flow at Hamilton City, February

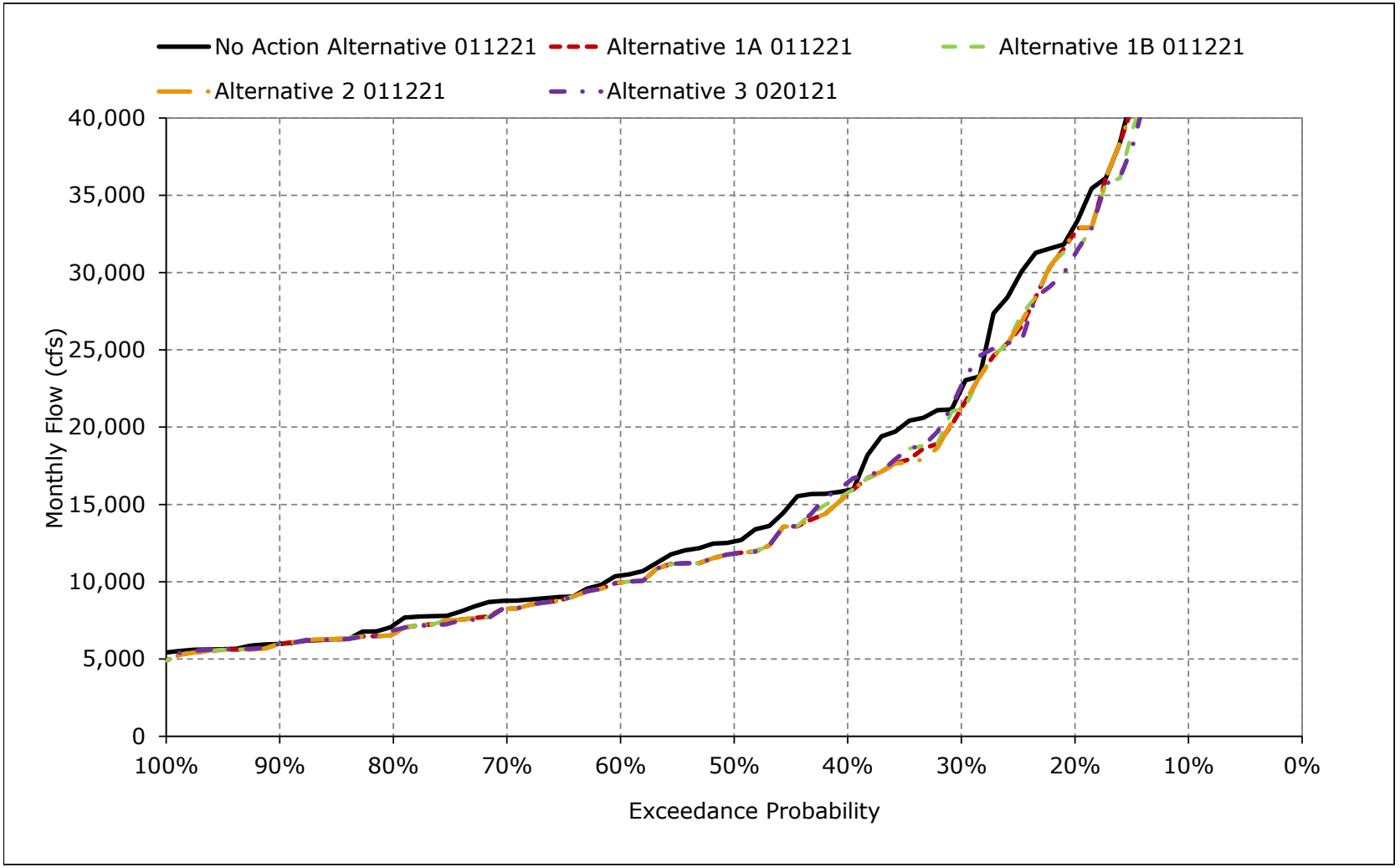


Figure 5B2-13-12. Sacramento River Flow at Hamilton City, March

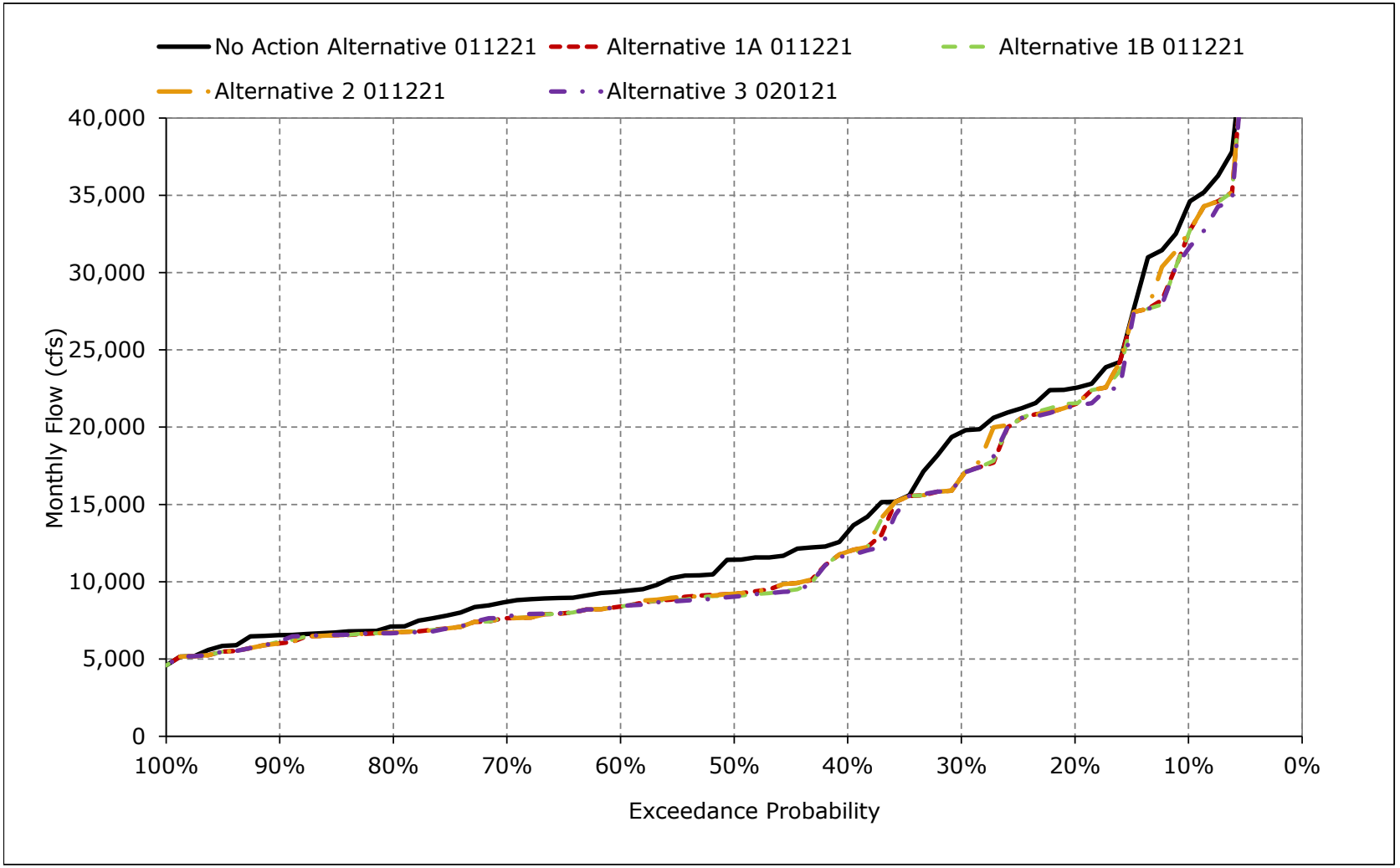


Figure 5B2-13-13. Sacramento River Flow at Hamilton City, April

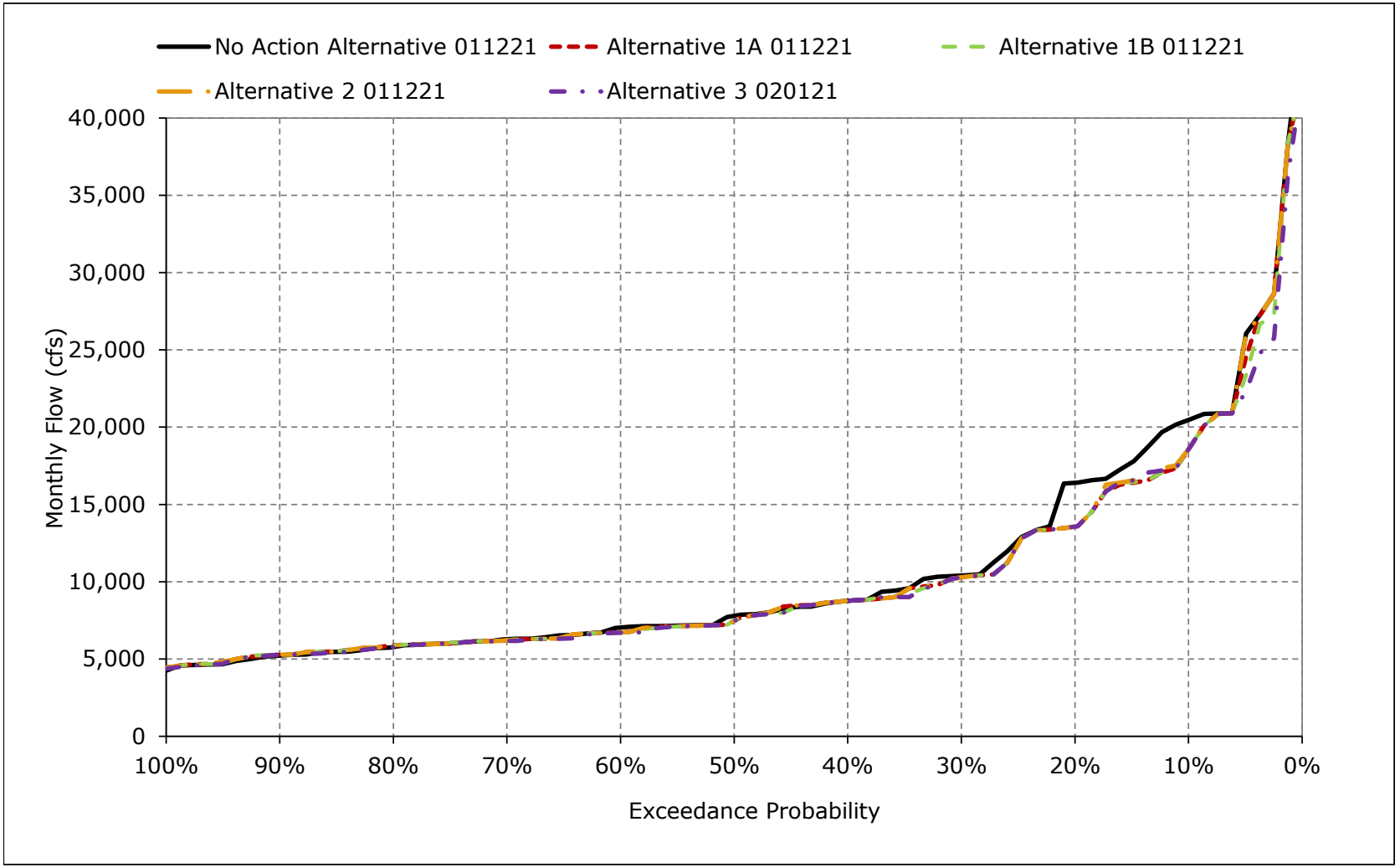


Figure 5B2-13-14. Sacramento River Flow at Hamilton City, May

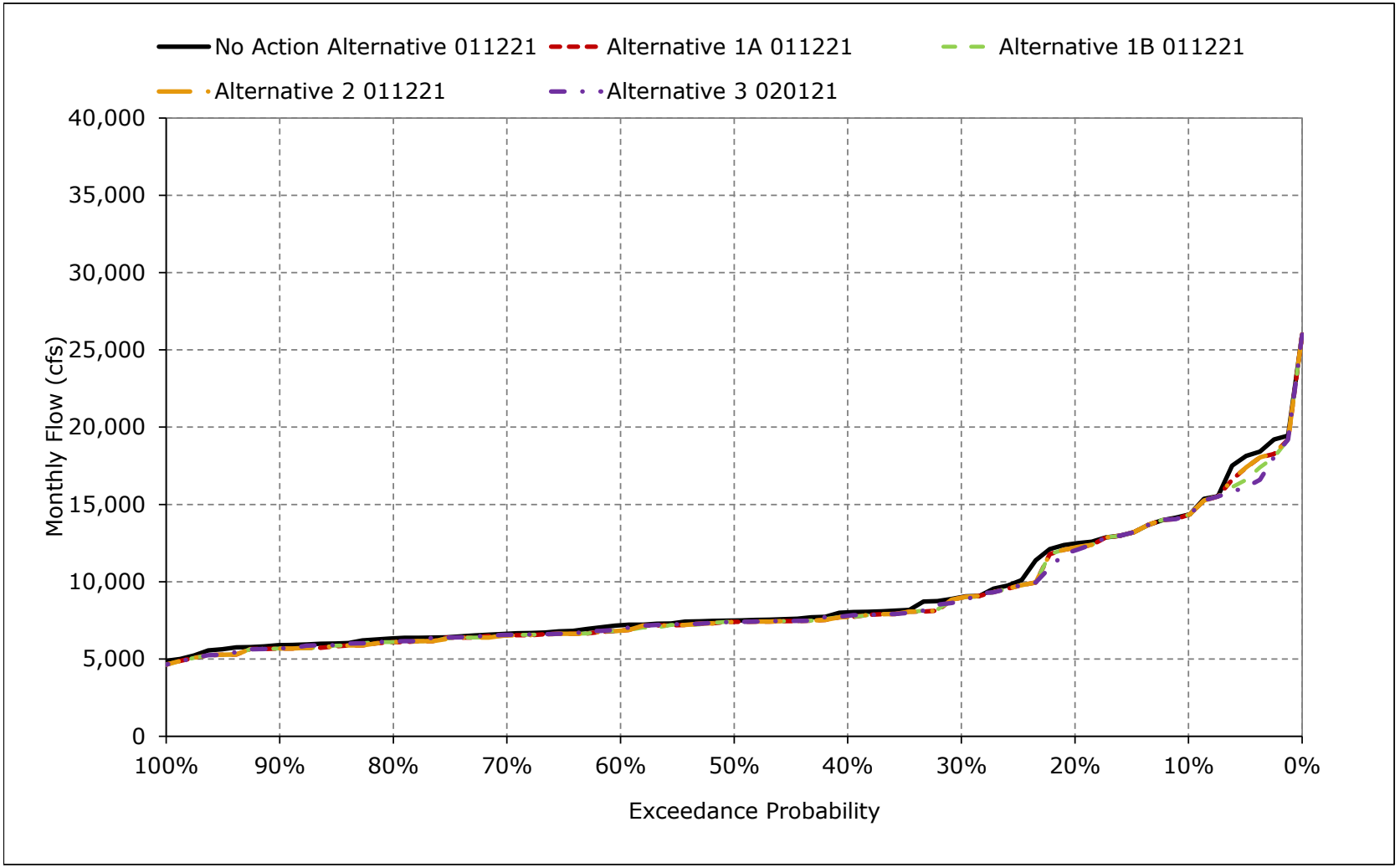


Figure 5B2-13-15. Sacramento River Flow at Hamilton City, June

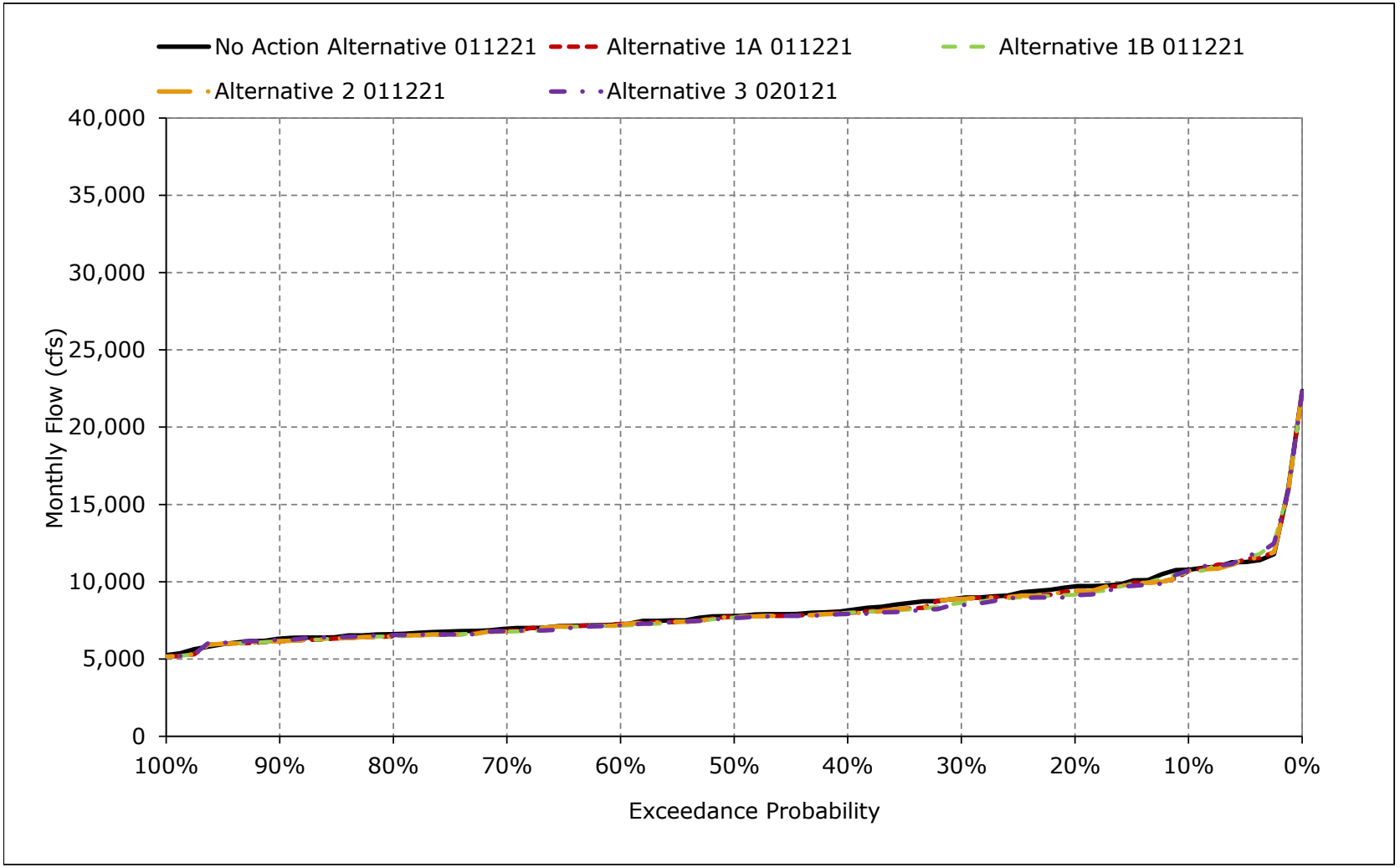


Figure 5B2-13-16. Sacramento River Flow at Hamilton City, July

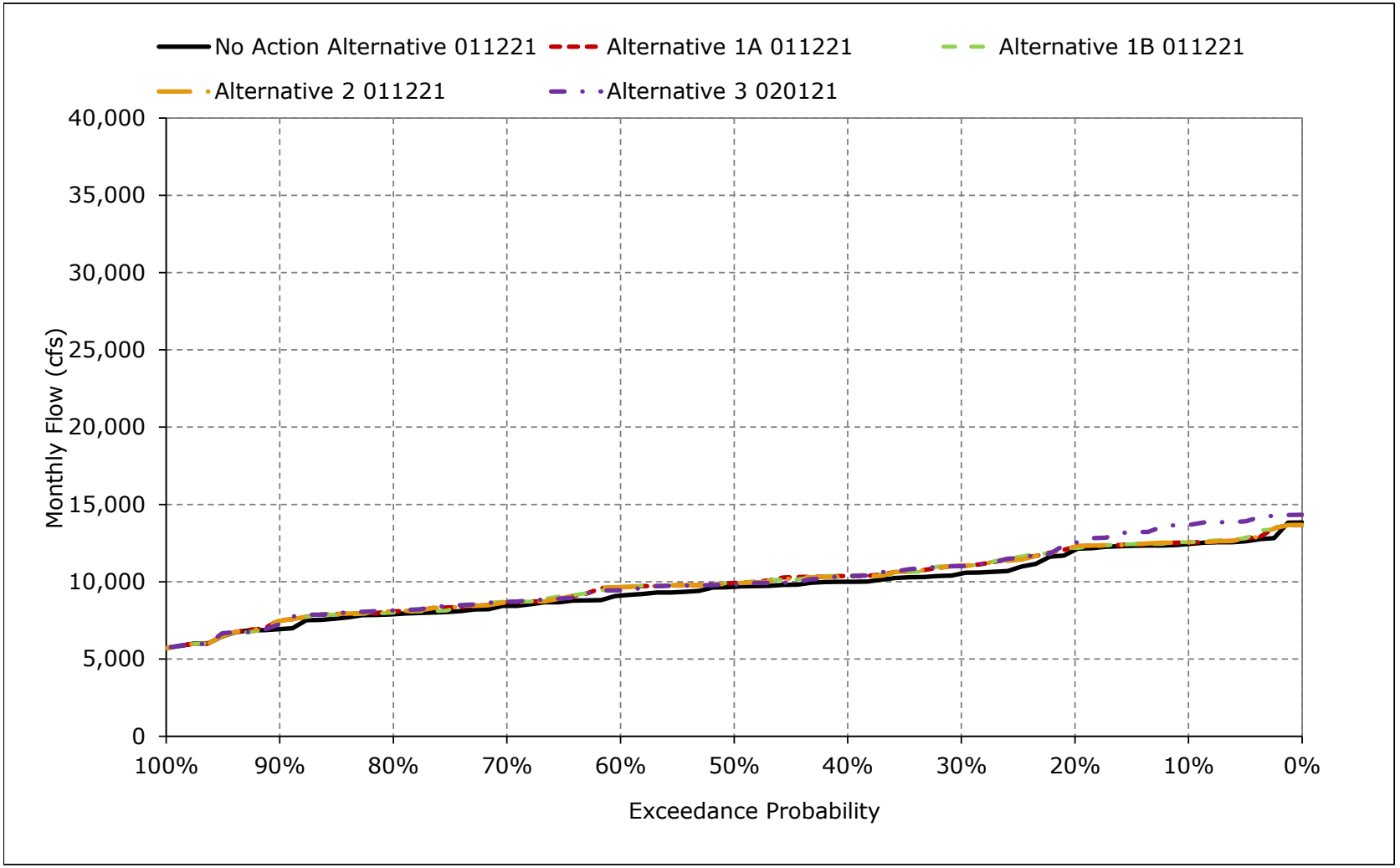


Figure 5B2-13-17. Sacramento River Flow at Hamilton City, August

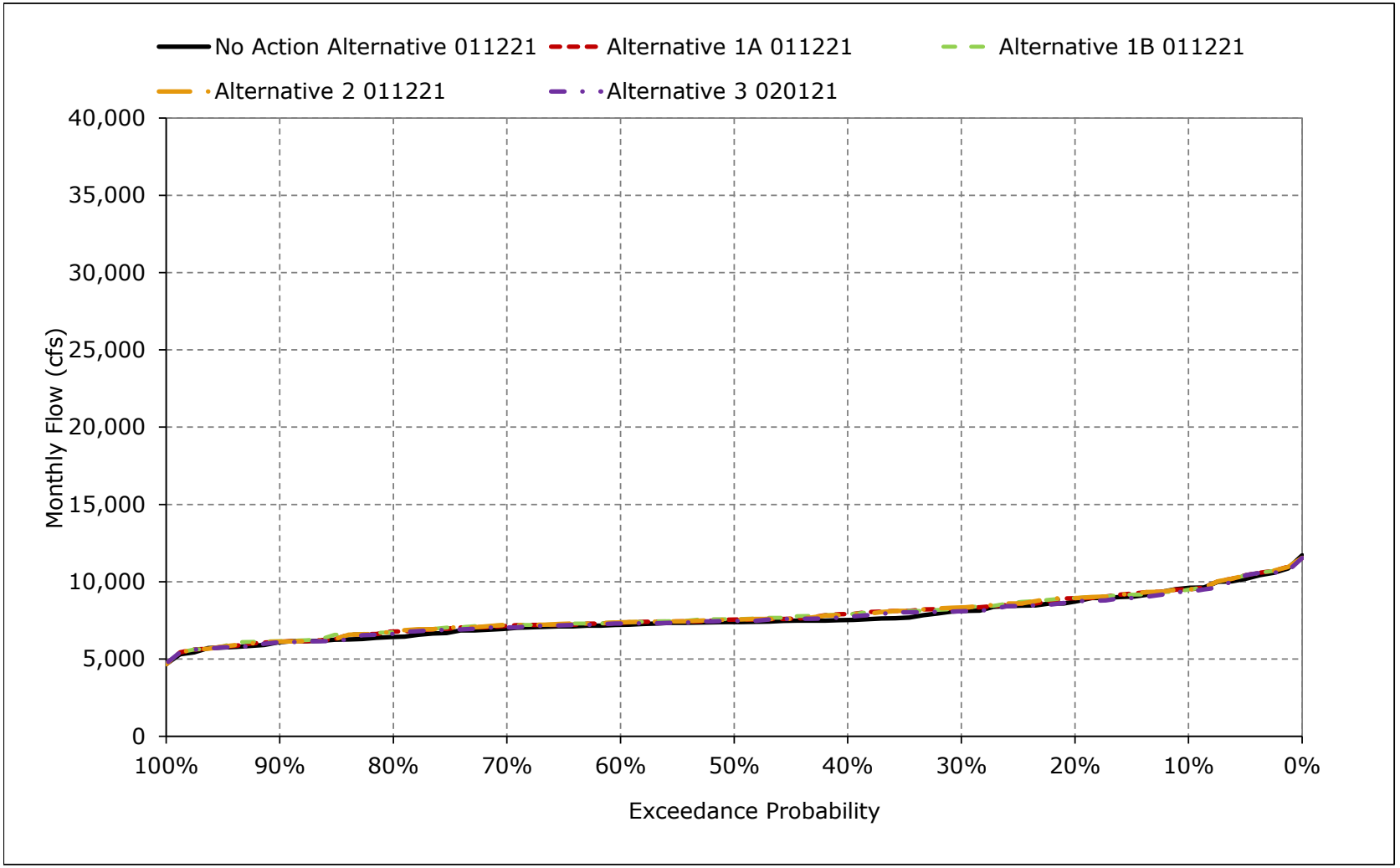


Figure 5B2-13-18. Sacramento River Flow at Hamilton City, September

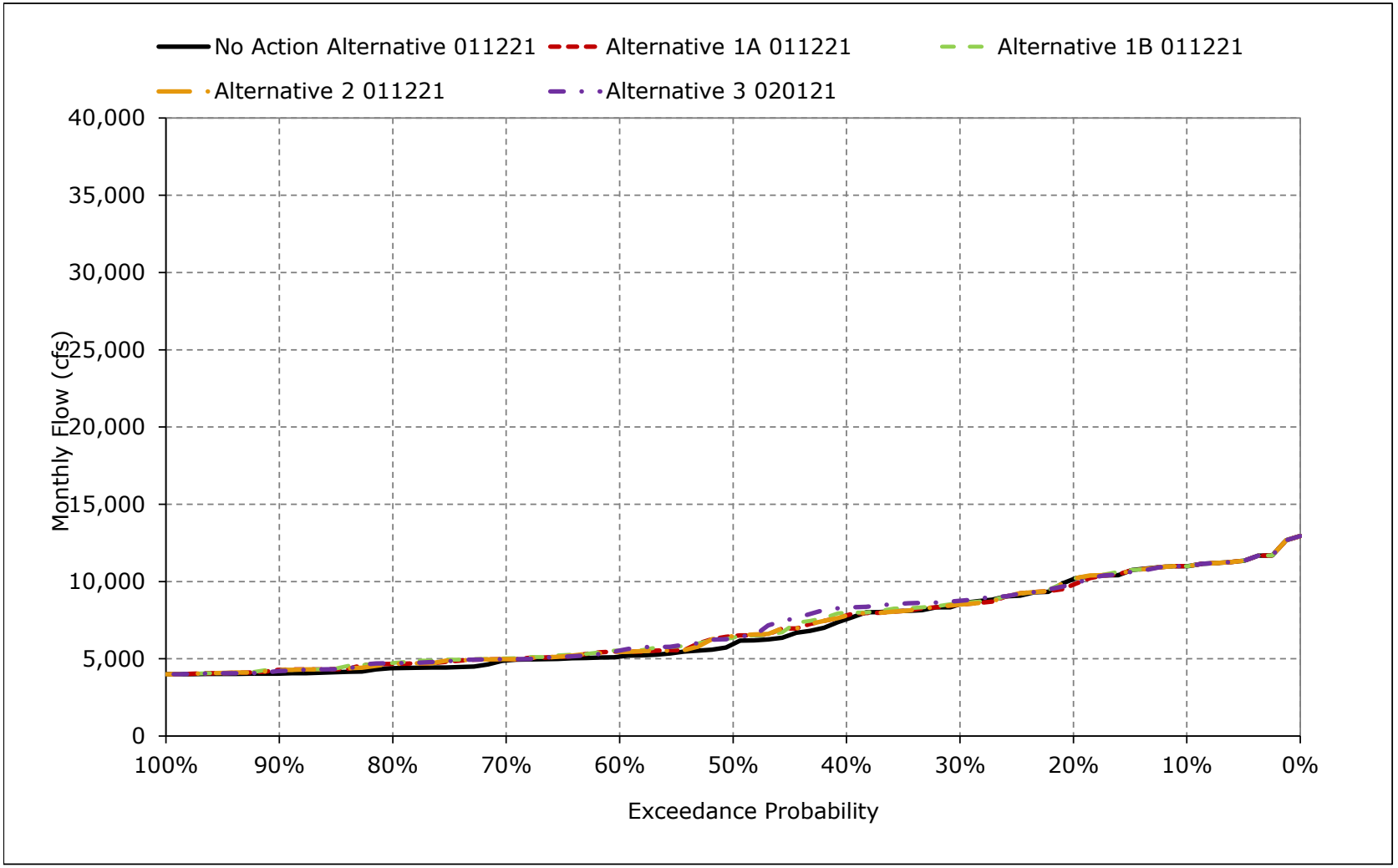


Table 5B2-14-1a. Sacramento River at Wilkins Slough Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,173	12,396	22,490	25,424	26,402	23,969	21,188	13,706	8,415	9,265	7,181	10,842
20%	7,890	9,540	18,819	23,330	24,108	22,457	17,656	10,667	7,085	8,244	6,548	9,795
30%	6,773	7,803	15,097	20,437	22,614	19,363	11,545	6,549	6,167	7,722	5,916	8,449
40%	6,185	6,993	11,713	17,106	20,791	16,026	9,694	5,467	5,683	7,333	5,358	7,732
50%	5,779	6,325	8,784	11,616	16,001	13,875	8,389	4,883	5,024	6,731	4,784	5,948
60%	5,578	6,145	7,609	9,531	13,166	11,675	7,546	4,690	4,812	5,972	4,609	5,000
70%	5,405	5,741	6,825	8,111	10,531	9,387	6,792	4,548	4,707	5,179	4,540	4,582
80%	5,023	5,000	5,785	7,080	7,912	8,225	6,421	4,299	4,278	4,619	4,511	4,151
90%	4,513	4,597	5,323	6,350	6,429	7,299	5,318	3,781	3,639	4,174	4,039	3,654
Long Term												
Full Simulation Period[a]	6,452	7,763	11,812	14,482	16,404	14,855	11,068	7,151	5,887	6,626	5,334	6,823
Water Year Types[b,c]												
Wet (32%)	7,961	9,018	12,477	20,933	21,863	19,607	16,301	10,572	6,786	7,085	6,077	10,096
Above Normal (15%)	6,351	8,768	12,576	18,310	20,692	18,867	12,447	8,265	5,884	7,918	5,841	7,906
Below Normal (17%)	6,644	8,090	13,002	12,261	15,211	11,773	9,510	5,473	5,540	6,685	4,703	5,294
Dry (22%)	5,092	6,567	11,959	8,576	11,930	11,798	7,476	4,619	5,618	6,299	4,736	4,445
Critical (15%)	5,102	5,450	8,000	8,126	8,394	8,727	5,560	4,378	4,755	4,761	4,847	4,000

Table 5B2-14-1b. Sacramento River at Wilkins Slough Flow, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,111	12,435	22,354	24,992	26,281	23,968	20,574	13,142	7,789	9,274	7,265	10,827
20%	7,904	8,902	18,825	23,003	23,626	21,969	17,472	10,790	6,821	8,657	6,610	9,899
30%	6,827	7,506	15,104	19,155	21,992	18,471	11,546	6,580	6,167	8,047	6,117	8,536
40%	6,557	6,849	11,854	16,608	19,976	14,754	9,647	5,281	5,681	7,589	5,526	7,728
50%	6,078	6,346	8,230	11,113	15,498	12,064	8,511	4,712	5,105	7,005	5,200	6,383
60%	5,798	6,099	7,605	9,097	12,616	10,138	7,519	4,500	4,535	6,550	4,799	5,376
70%	5,576	5,555	6,495	7,913	10,371	8,756	6,936	4,244	4,500	5,217	4,629	4,762
80%	5,207	5,196	5,747	6,977	7,669	7,735	6,234	4,000	4,440	4,905	4,500	4,500
90%	4,706	4,780	5,464	6,352	6,354	6,757	5,259	3,400	3,421	4,500	4,066	3,779
Long Term												
Full Simulation Period[a]	6,560	7,690	11,688	14,164	16,053	14,098	10,876	6,935	5,767	6,904	5,476	6,969
Water Year Types[b,c]												
Wet (32%)	7,797	8,684	12,421	20,623	21,609	19,124	15,790	10,373	6,555	7,074	5,988	10,066
Above Normal (15%)	6,420	8,749	12,442	17,795	20,325	17,759	12,357	8,105	5,671	7,975	5,807	7,938
Below Normal (17%)	6,793	8,232	12,916	11,863	14,593	10,562	9,406	5,303	5,366	6,849	4,755	5,423
Dry (22%)	5,284	6,620	11,966	8,338	11,543	10,914	7,470	4,478	5,629	7,052	5,360	4,821
Critical (15%)	5,659	5,453	7,495	7,963	8,213	8,448	5,570	3,906	4,830	5,306	5,049	4,314

Table 5B2-14-1c. Sacramento River at Wilkins Slough Flow, 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%	-62	39	-137	-432	-121	-1	-614	-564	-626	10	84	-15
20%	14	-638	6	-326	-482	-489	-185	123	-264	413	62	104
30%	54	-298	7	-1,282	-622	-892	1	32	0	326	201	87
40%	372	-144	141	-497	-815	-1,271	-48	-186	-2	256	168	-5
50%	300	21	-554	-503	-502	-1,812	122	-171	81	274	416	435
60%	221	-46	-4	-434	-551	-1,537	-27	-190	-277	578	190	376
70%	171	-187	-330	-198	-161	-631	143	-304	-207	37	90	180
80%	184	196	-37	-103	-243	-491	-187	-299	162	286	-11	349
90%	193	184	141	2	-75	-542	-59	-381	-217	326	28	125
Long Term												
Full Simulation Period[a]	108	-72	-124	-318	-351	-757	-193	-216	-121	278	142	146
Water Year Types[b,c]												
Wet (32%)	-164	-334	-56	-310	-254	-483	-511	-200	-231	-11	-88	-30
Above Normal (15%)	69	-18	-134	-515	-367	-1,108	-90	-160	-213	57	-34	32
Below Normal (17%)	149	142	-86	-398	-618	-1,212	-105	-171	-173	163	52	129
Dry (22%)	193	53	7	-239	-387	-885	-5	-141	10	753	623	376
Critical (15%)	558	3	-505	-163	-182	-279	10	-472	75	545	201	315

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 5B2-14-2a. Sacramento River at Wilkins Slough Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,173	12,396	22,490	25,424	26,402	23,969	21,188	13,706	8,415	9,265	7,181	10,842
20%	7,890	9,540	18,819	23,330	24,108	22,457	17,656	10,667	7,085	8,244	6,548	9,795
30%	6,773	7,803	15,097	20,437	22,614	19,363	11,545	6,549	6,167	7,722	5,916	8,449
40%	6,185	6,993	11,713	17,106	20,791	16,026	9,694	5,467	5,683	7,333	5,358	7,732
50%	5,779	6,325	8,784	11,616	16,001	13,875	8,389	4,883	5,024	6,731	4,784	5,948
60%	5,578	6,145	7,609	9,531	13,166	11,675	7,546	4,690	4,812	5,972	4,609	5,000
70%	5,405	5,741	6,825	8,111	10,531	9,387	6,792	4,548	4,707	5,179	4,540	4,582
80%	5,023	5,000	5,785	7,080	7,912	8,225	6,421	4,299	4,278	4,619	4,511	4,151
90%	4,513	4,597	5,323	6,350	6,429	7,299	5,318	3,781	3,639	4,174	4,039	3,654
Long Term												
Full Simulation Period[a]	6,452	7,763	11,812	14,482	16,404	14,855	11,068	7,151	5,887	6,626	5,334	6,823
Water Year Types[b,c]												
Wet (32%)	7,961	9,018	12,477	20,933	21,863	19,607	16,301	10,572	6,786	7,085	6,077	10,096
Above Normal (15%)	6,351	8,768	12,576	18,310	20,692	18,867	12,447	8,265	5,884	7,918	5,841	7,906
Below Normal (17%)	6,644	8,090	13,002	12,261	15,211	11,773	9,510	5,473	5,540	6,685	4,703	5,294
Dry (22%)	5,092	6,567	11,959	8,576	11,930	11,798	7,476	4,619	5,618	6,299	4,736	4,445
Critical (15%)	5,102	5,450	8,000	8,126	8,394	8,727	5,560	4,378	4,755	4,761	4,847	4,000

Table 5B2-14-2b. Sacramento River at Wilkins Slough Flow, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,187	12,432	22,677	24,984	26,242	23,955	20,573	13,143	7,809	9,354	7,235	11,031
20%	7,934	8,987	18,821	22,979	23,683	21,974	17,506	10,792	6,861	8,706	6,610	9,879
30%	6,852	7,695	14,831	19,152	22,135	18,495	11,546	6,559	5,932	8,100	6,051	8,595
40%	6,369	6,906	11,780	16,622	20,193	15,005	9,647	5,316	5,611	7,591	5,585	7,778
50%	5,952	6,339	8,233	11,117	15,584	12,067	8,416	4,603	5,085	6,978	5,285	6,415
60%	5,748	6,078	7,610	9,078	12,614	10,137	7,481	4,500	4,500	6,531	4,936	5,423
70%	5,504	5,561	6,509	7,707	10,381	8,678	6,936	4,291	4,500	5,488	4,678	4,840
80%	5,189	5,267	5,845	6,967	7,668	7,735	6,234	4,000	4,213	4,820	4,502	4,500
90%	4,822	4,854	5,398	6,359	6,356	6,721	5,259	3,400	3,622	4,500	4,082	3,776
Long Term												
Full Simulation Period[a]	6,540	7,780	11,714	14,128	16,072	14,090	10,858	6,910	5,734	6,906	5,505	7,029
Water Year Types[b,c]												
Wet (32%)	7,787	8,621	12,428	20,571	21,590	19,108	15,768	10,293	6,526	7,075	5,987	10,110
Above Normal (15%)	6,434	8,679	12,610	17,800	20,363	17,795	12,399	8,110	5,460	7,979	5,859	8,263
Below Normal (17%)	6,863	8,400	12,972	11,853	14,642	10,570	9,409	5,308	5,296	6,847	4,784	5,480
Dry (22%)	5,192	7,010	11,870	8,322	11,575	10,905	7,387	4,484	5,733	7,060	5,326	4,778
Critical (15%)	5,591	5,488	7,569	7,862	8,238	8,398	5,575	3,890	4,805	5,305	5,216	4,302

Table 5B2-14-2c. Sacramento River at Wilkins Slough Flow, 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%	13	36	187	-440	-160	-14	-615	-562	-605	89	54	189
20%	44	-553	2	-351	-424	-483	-151	125	-225	462	62	84
30%	79	-109	-267	-1,285	-479	-868	1	11	-236	379	135	146
40%	184	-87	66	-484	-598	-1,020	-48	-150	-72	258	227	46
50%	174	14	-551	-499	-416	-1,809	27	-280	61	247	501	467
60%	170	-67	1	-453	-552	-1,538	-64	-190	-312	559	327	423
70%	100	-180	-316	-403	-150	-709	144	-257	-207	309	138	259
80%	166	267	60	-113	-244	-491	-188	-299	-65	201	-9	349
90%	309	257	75	10	-73	-578	-59	-381	-17	326	44	123
Long Term												
Full Simulation Period[a]	88	17	-98	-354	-332	-765	-211	-241	-153	280	172	205
Water Year Types[b,c]												
Wet (32%)	-174	-397	-49	-362	-273	-499	-533	-280	-260	-10	-89	13
Above Normal (15%)	84	-89	34	-511	-329	-1,072	-48	-155	-424	61	18	357
Below Normal (17%)	219	311	-29	-409	-568	-1,203	-101	-166	-243	162	81	185
Dry (22%)	101	443	-89	-254	-355	-894	-89	-135	115	761	590	333
Critical (15%)	489	38	-432	-264	-156	-329	15	-488	50	544	369	302

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 5B2-14-3a. Sacramento River at Wilkins Slough Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,173	12,396	22,490	25,424	26,402	23,969	21,188	13,706	8,415	9,265	7,181	10,842
20%	7,890	9,540	18,819	23,330	24,108	22,457	17,656	10,667	7,085	8,244	6,548	9,795
30%	6,773	7,803	15,097	20,437	22,614	19,363	11,545	6,549	6,167	7,722	5,916	8,449
40%	6,185	6,993	11,713	17,106	20,791	16,026	9,694	5,467	5,683	7,333	5,358	7,732
50%	5,779	6,325	8,784	11,616	16,001	13,875	8,389	4,883	5,024	6,731	4,784	5,948
60%	5,578	6,145	7,609	9,531	13,166	11,675	7,546	4,690	4,812	5,972	4,609	5,000
70%	5,405	5,741	6,825	8,111	10,531	9,387	6,792	4,548	4,707	5,179	4,540	4,582
80%	5,023	5,000	5,785	7,080	7,912	8,225	6,421	4,299	4,278	4,619	4,511	4,151
90%	4,513	4,597	5,323	6,350	6,429	7,299	5,318	3,781	3,639	4,174	4,039	3,654
Long Term												
Full Simulation Period[a]	6,452	7,763	11,812	14,482	16,404	14,855	11,068	7,151	5,887	6,626	5,334	6,823
Water Year Types[b,c]												
Wet (32%)	7,961	9,018	12,477	20,933	21,863	19,607	16,301	10,572	6,786	7,085	6,077	10,096
Above Normal (15%)	6,351	8,768	12,576	18,310	20,692	18,867	12,447	8,265	5,884	7,918	5,841	7,906
Below Normal (17%)	6,644	8,090	13,002	12,261	15,211	11,773	9,510	5,473	5,540	6,685	4,703	5,294
Dry (22%)	5,092	6,567	11,959	8,576	11,930	11,798	7,476	4,619	5,618	6,299	4,736	4,445
Critical (15%)	5,102	5,450	8,000	8,126	8,394	8,727	5,560	4,378	4,755	4,761	4,847	4,000

Table 5B2-14-3b. Sacramento River at Wilkins Slough Flow, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,188	12,434	22,354	24,992	26,383	23,969	20,577	13,142	7,789	9,275	7,376	10,836
20%	7,878	8,867	18,826	23,008	23,628	22,063	17,543	10,791	6,821	8,657	6,619	9,909
30%	6,825	7,504	15,104	19,154	21,886	18,494	11,546	6,581	6,172	8,044	6,119	8,536
40%	6,566	6,847	11,854	16,608	19,977	15,152	9,647	5,281	5,682	7,585	5,543	7,726
50%	6,080	6,353	8,238	11,113	15,498	12,064	8,511	4,712	5,105	7,001	5,207	6,383
60%	5,798	6,082	7,610	9,078	12,616	10,137	7,516	4,500	4,535	6,550	4,775	5,388
70%	5,573	5,472	6,495	7,780	10,381	8,761	6,937	4,236	4,500	5,216	4,625	4,762
80%	5,209	5,123	5,846	6,964	7,669	7,735	6,234	4,000	4,270	4,905	4,500	4,500
90%	4,723	4,630	5,465	6,352	6,354	6,715	5,259	3,400	3,416	4,500	4,106	3,784
Long Term												
Full Simulation Period[a]	6,566	7,665	11,703	14,167	16,052	14,141	10,901	6,933	5,755	6,898	5,493	6,976
Water Year Types[b,c]												
Wet (32%)	7,799	8,688	12,423	20,675	21,616	19,209	15,872	10,375	6,560	7,077	6,025	10,100
Above Normal (15%)	6,420	8,754	12,442	17,795	20,334	17,777	12,356	8,105	5,671	7,978	5,807	7,944
Below Normal (17%)	6,846	8,161	12,925	11,860	14,546	10,568	9,405	5,303	5,366	6,853	4,765	5,428
Dry (22%)	5,287	6,533	11,974	8,337	11,544	10,977	7,468	4,478	5,591	7,055	5,315	4,826
Critical (15%)	5,629	5,476	7,574	7,873	8,232	8,442	5,570	3,888	4,798	5,247	5,141	4,272

Table 5B2-14-3c. Sacramento River at Wilkins Slough Flow, 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%	15	38	-137	-432	-19	0	-611	-564	-626	10	195	-6
20%	-11	-673	6	-322	-480	-394	-113	124	-264	413	71	115
30%	52	-300	7	-1,283	-728	-869	1	32	5	322	203	87
40%	381	-145	141	-497	-814	-874	-48	-186	-1	252	185	-6
50%	301	28	-546	-503	-502	-1,812	122	-171	81	270	422	435
60%	221	-63	1	-453	-550	-1,538	-30	-190	-277	578	165	388
70%	168	-269	-330	-330	-151	-626	145	-312	-207	37	85	180
80%	186	123	62	-116	-243	-490	-187	-299	-9	286	-11	349
90%	210	34	141	2	-75	-585	-59	-381	-222	326	68	130
Long Term												
Full Simulation Period[a]	113	-98	-109	-315	-353	-714	-167	-218	-132	272	159	153
Water Year Types[b,c]												
Wet (32%)	-162	-330	-54	-258	-247	-398	-429	-198	-226	-8	-51	3
Above Normal (15%)	69	-13	-134	-515	-358	-1,090	-91	-160	-213	60	-34	38
Below Normal (17%)	202	71	-76	-401	-665	-1,205	-106	-171	-174	167	62	134
Dry (22%)	196	-34	14	-239	-386	-822	-7	-141	-27	756	578	381
Critical (15%)	527	26	-426	-254	-162	-285	10	-490	43	485	293	272

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 5B2-14-4a. Sacramento River at Wilkins Slough Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,173	12,396	22,490	25,424	26,402	23,969	21,188	13,706	8,415	9,265	7,181	10,842
20%	7,890	9,540	18,819	23,330	24,108	22,457	17,656	10,667	7,085	8,244	6,548	9,795
30%	6,773	7,803	15,097	20,437	22,614	19,363	11,545	6,549	6,167	7,722	5,916	8,449
40%	6,185	6,993	11,713	17,106	20,791	16,026	9,694	5,467	5,683	7,333	5,358	7,732
50%	5,779	6,325	8,784	11,616	16,001	13,875	8,389	4,883	5,024	6,731	4,784	5,948
60%	5,578	6,145	7,609	9,531	13,166	11,675	7,546	4,690	4,812	5,972	4,609	5,000
70%	5,405	5,741	6,825	8,111	10,531	9,387	6,792	4,548	4,707	5,179	4,540	4,582
80%	5,023	5,000	5,785	7,080	7,912	8,225	6,421	4,299	4,278	4,619	4,511	4,151
90%	4,513	4,597	5,323	6,350	6,429	7,299	5,318	3,781	3,639	4,174	4,039	3,654
Long Term												
Full Simulation Period[a]	6,452	7,763	11,812	14,482	16,404	14,855	11,068	7,151	5,887	6,626	5,334	6,823
Water Year Types[b,c]												
Wet (32%)	7,961	9,018	12,477	20,933	21,863	19,607	16,301	10,572	6,786	7,085	6,077	10,096
Above Normal (15%)	6,351	8,768	12,576	18,310	20,692	18,867	12,447	8,265	5,884	7,918	5,841	7,906
Below Normal (17%)	6,644	8,090	13,002	12,261	15,211	11,773	9,510	5,473	5,540	6,685	4,703	5,294
Dry (22%)	5,092	6,567	11,959	8,576	11,930	11,798	7,476	4,619	5,618	6,299	4,736	4,445
Critical (15%)	5,102	5,450	8,000	8,126	8,394	8,727	5,560	4,378	4,755	4,761	4,847	4,000

Table 5B2-14-4b. Sacramento River at Wilkins Slough Flow, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,185	12,903	23,119	24,972	26,247	23,808	20,610	13,143	7,831	10,427	7,103	10,828
20%	8,204	8,955	18,900	23,000	23,979	21,951	17,649	10,373	6,593	9,197	6,523	9,833
30%	7,387	7,645	15,633	19,151	22,509	17,989	11,546	6,570	6,030	8,103	5,915	8,841
40%	6,443	6,914	11,786	16,624	19,994	14,871	9,647	5,274	5,556	7,538	5,540	8,119
50%	5,937	6,368	8,223	11,103	15,585	12,067	8,426	4,847	5,054	7,027	5,032	6,545
60%	5,780	6,018	7,578	9,081	12,610	10,140	7,485	4,500	4,500	6,494	4,661	5,399
70%	5,585	5,485	6,282	7,760	10,375	8,676	6,804	4,496	4,500	5,336	4,533	4,730
80%	5,310	5,135	5,844	6,896	7,672	7,736	6,076	4,000	4,285	4,943	4,500	4,500
90%	4,916	4,815	5,475	6,360	6,359	6,772	5,255	3,400	3,834	4,500	4,006	3,774
Long Term												
Full Simulation Period[a]	6,669	7,762	11,821	14,118	16,112	14,049	10,828	6,908	5,719	7,091	5,356	7,082
Water Year Types[b,c]												
Wet (32%)	7,795	8,629	12,437	20,566	21,594	18,953	15,734	10,184	6,488	7,076	5,985	10,066
Above Normal (15%)	6,803	8,651	12,726	17,804	20,532	17,724	12,404	8,109	5,426	8,925	5,543	8,741
Below Normal (17%)	7,131	8,440	13,117	11,851	14,685	10,552	9,456	5,379	5,267	7,317	4,746	5,578
Dry (22%)	5,359	6,942	12,142	8,318	11,608	10,971	7,366	4,532	5,791	6,996	5,024	4,719
Critical (15%)	5,519	5,436	7,590	7,805	8,233	8,444	5,418	3,959	4,767	5,167	5,019	4,256

Table 5B2-14-4c. Sacramento River at Wilkins Slough Flow, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

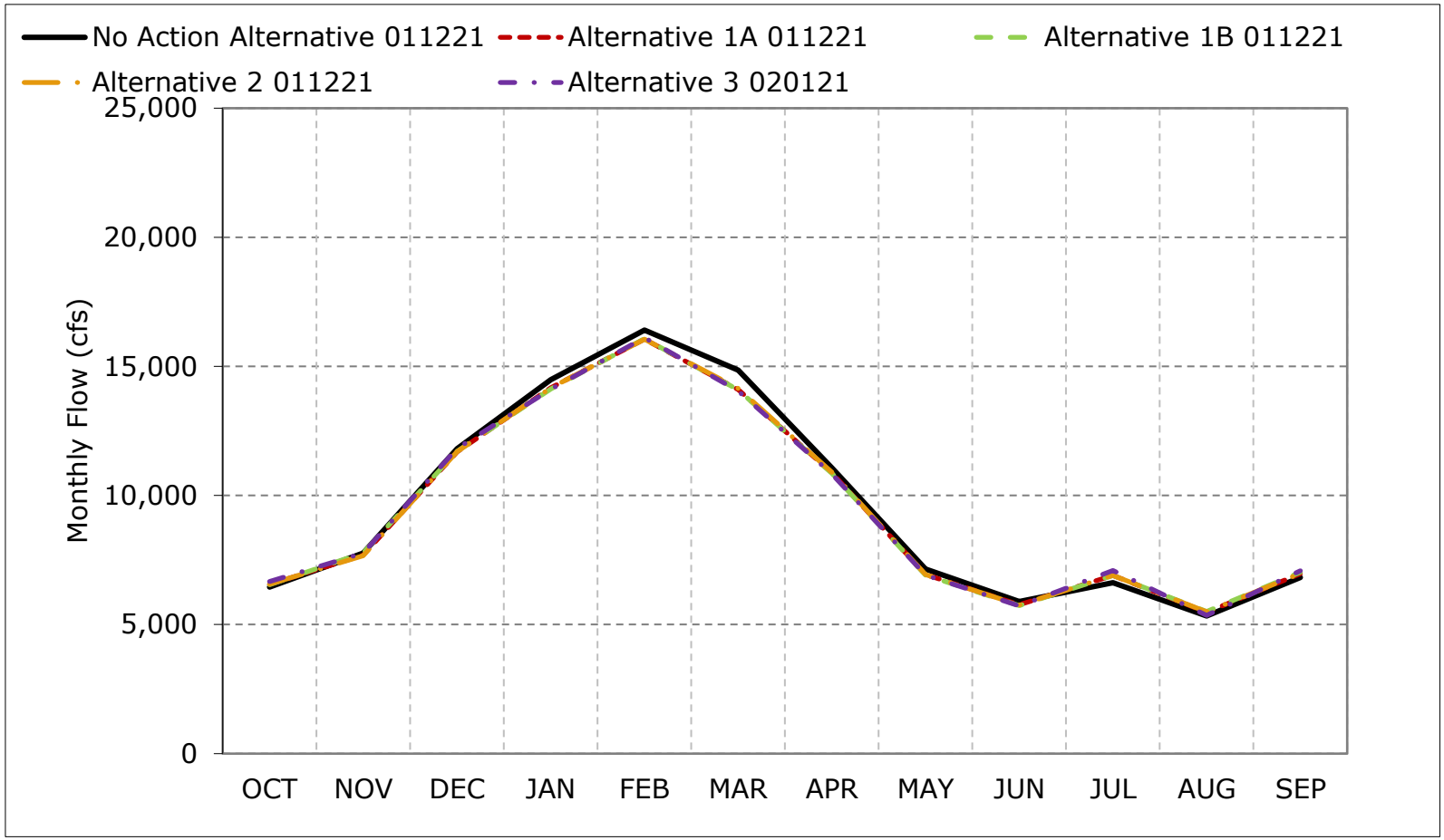
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	507	628	-451	-155	-161	-578	-562	-584	1,162	-78	-14
20%	314	-585	81	-330	-129	-507	-8	-294	-492	953	-25	39
30%	614	-158	536	-1,286	-105	-1,374	2	21	-137	382	-2	392
40%	257	-79	73	-482	-797	-1,155	-47	-193	-127	205	181	387
50%	159	43	-561	-513	-416	-1,809	38	-36	30	296	247	596
60%	202	-127	-31	-451	-556	-1,535	-61	-190	-312	523	52	399
70%	180	-256	-543	-351	-157	-711	12	-52	-207	157	-6	148
80%	287	135	60	-185	-240	-490	-345	-299	7	324	-11	349
90%	403	218	152	11	-70	-527	-63	-381	195	326	-32	120
Long Term												
Full Simulation Period[a]	216	0	9	-364	-292	-806	-240	-243	-168	465	23	259
Water Year Types[b,c]												
Wet (32%)	-166	-389	-40	-367	-269	-654	-567	-389	-297	-8	-92	-30
Above Normal (15%)	452	-117	150	-506	-160	-1,143	-42	-156	-458	1,007	-298	835
Below Normal (17%)	487	350	115	-410	-525	-1,221	-55	-94	-273	631	43	284
Dry (22%)	267	375	182	-258	-322	-827	-110	-87	172	697	288	274
Critical (15%)	417	-14	-411	-321	-161	-283	-142	-419	12	405	172	257

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).

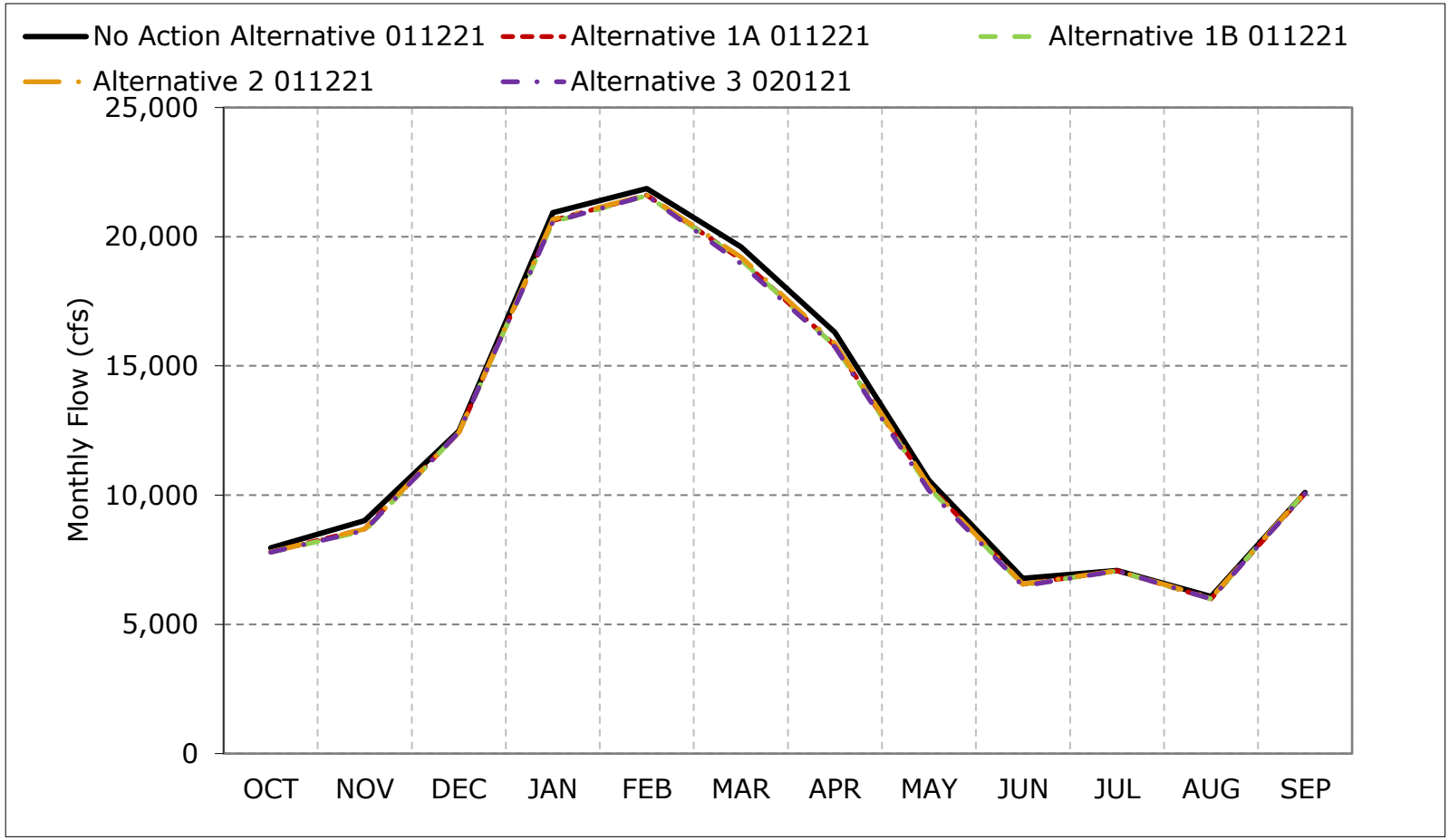
c These results are displayed with calendar year - year type sorting.

Figure 5B2-14-1. Sacramento River at Wilkins Slough Flow, Long-Term Average Flow



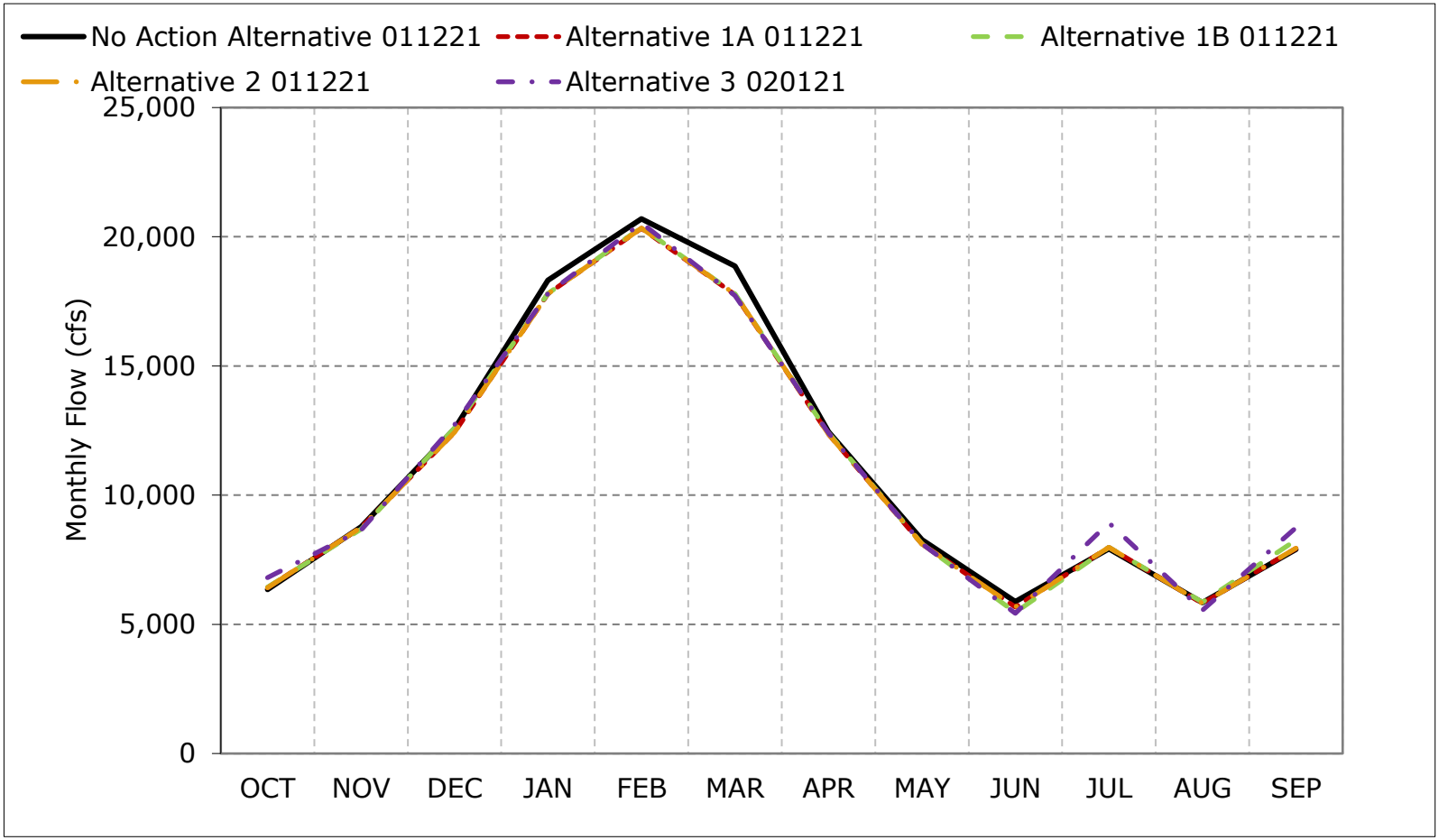
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-14-2. Sacramento River at Wilkins Slough Flow, Wet Year Average Flow



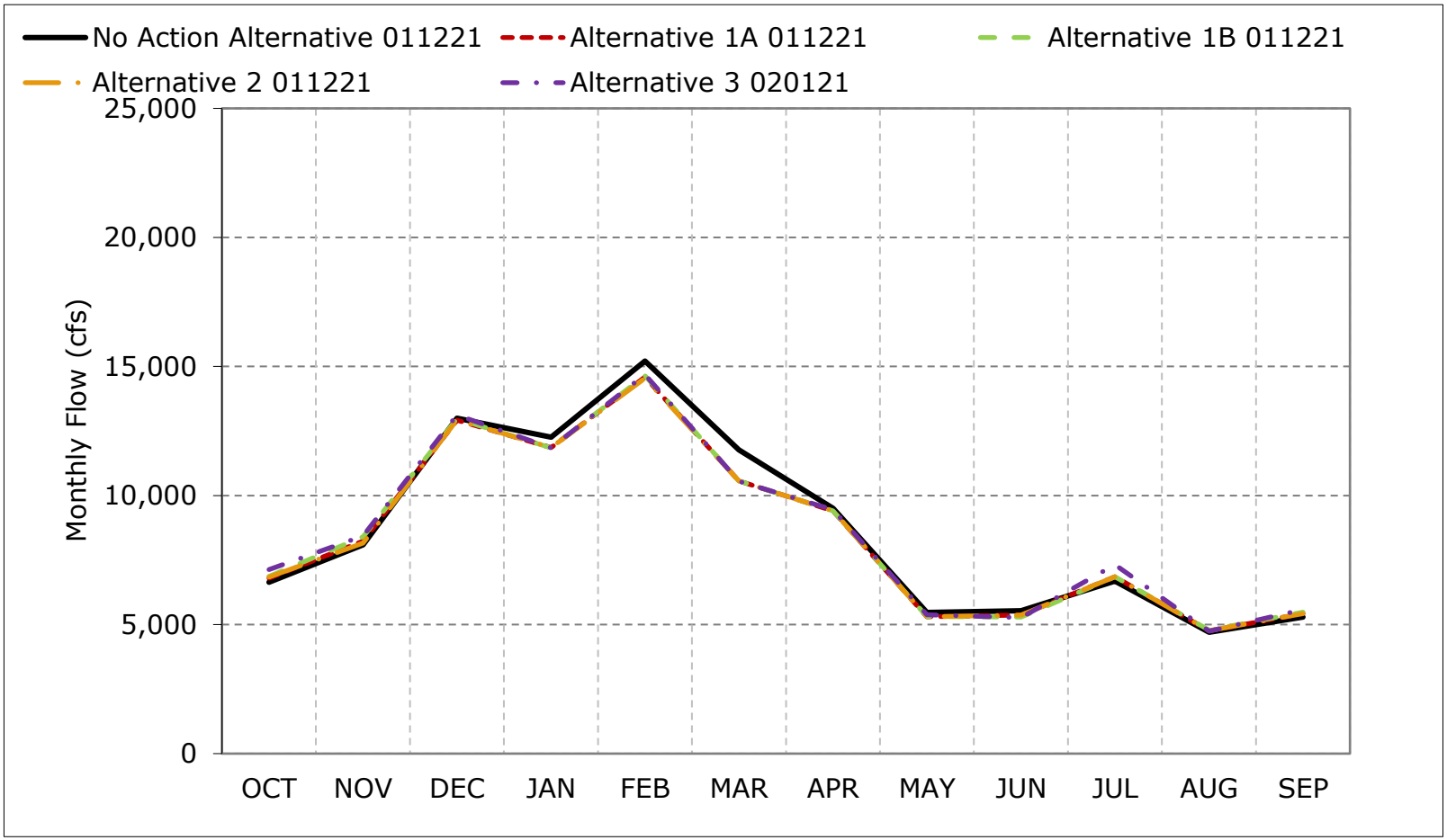
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-14-3. Sacramento River at Wilkins Slough Flow, Above Normal Year Average Flow



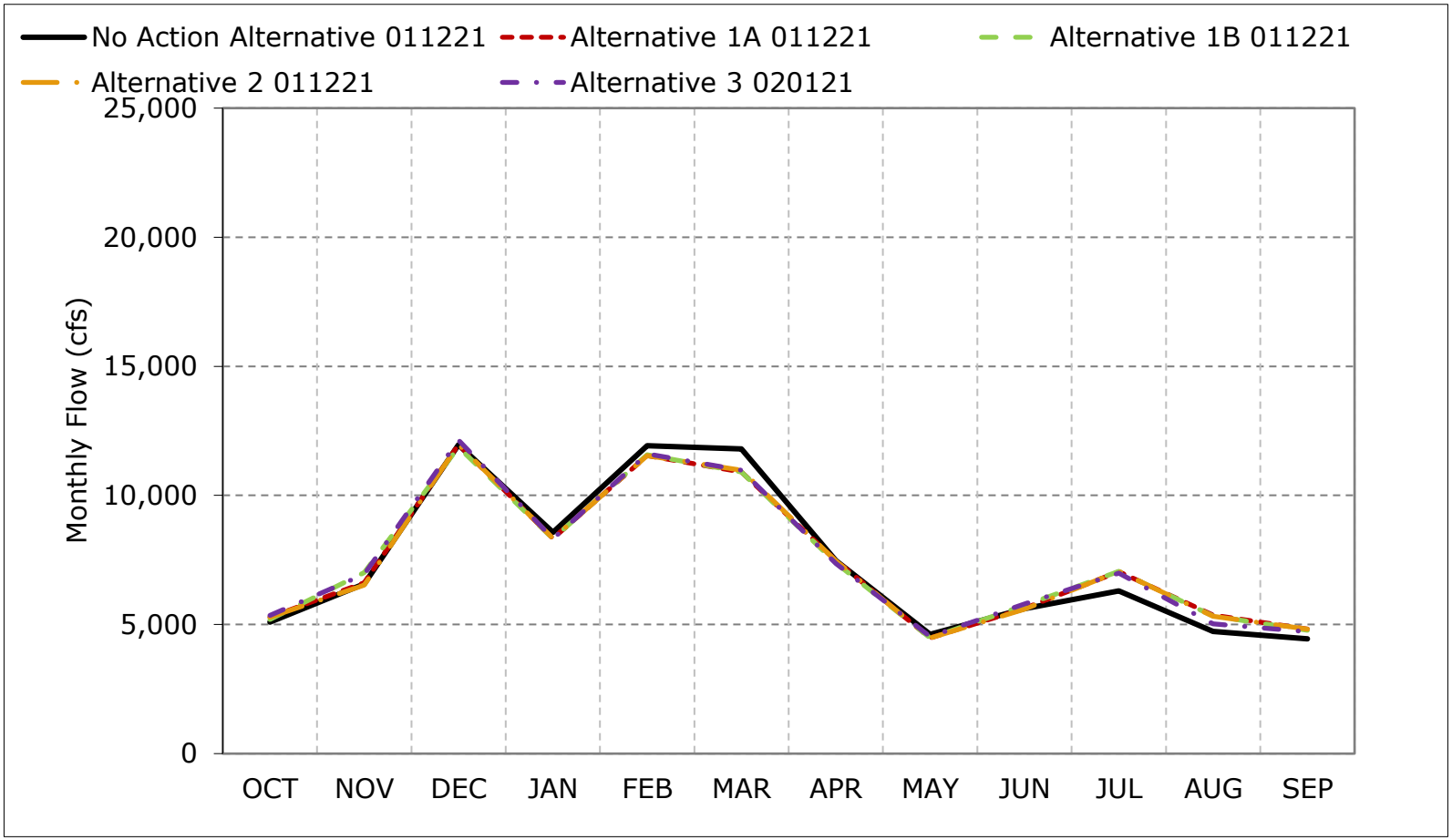
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-14-4. Sacramento River at Wilkins Slough Flow, Below Normal Year Average Flow



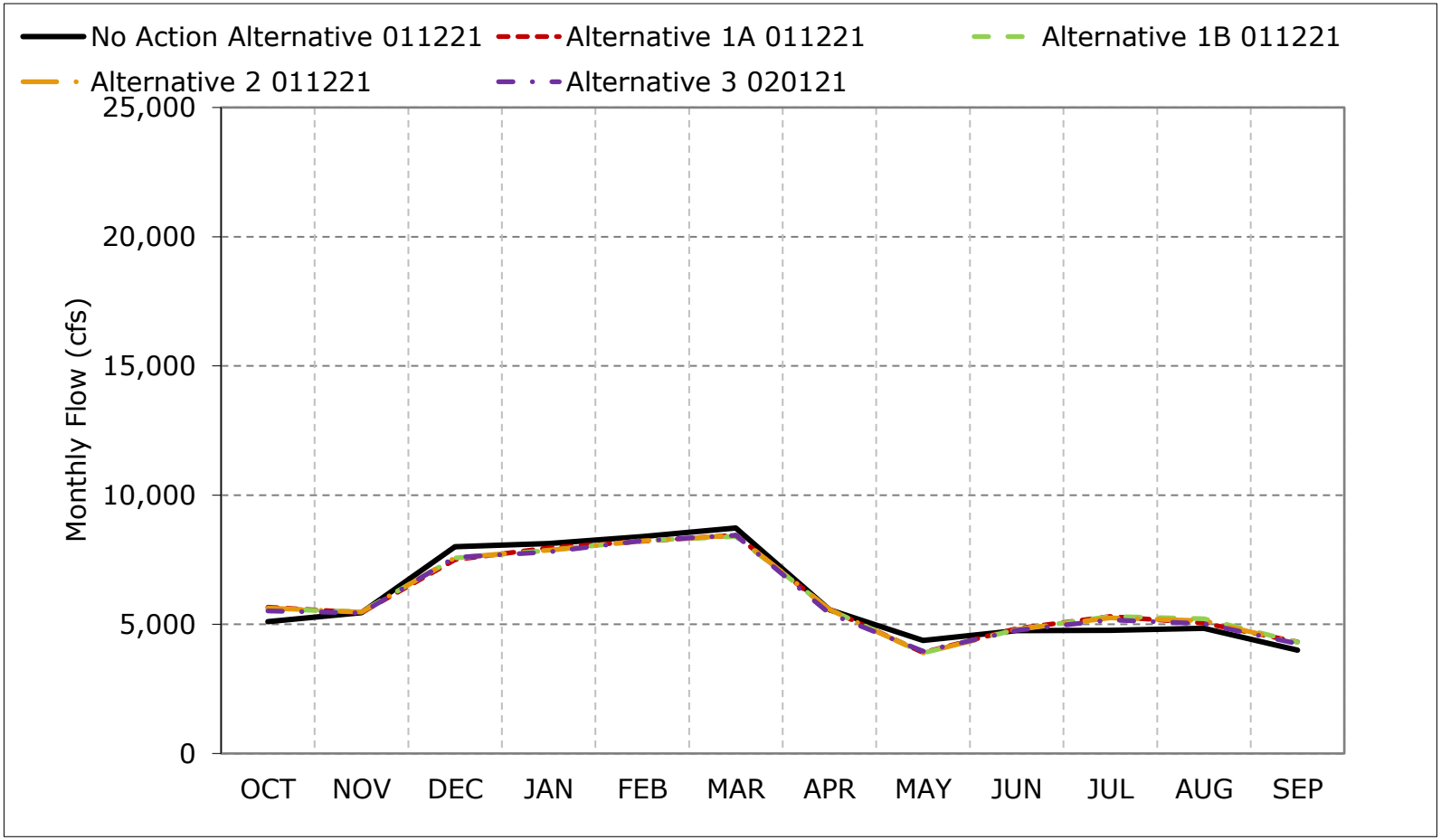
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-14-5. Sacramento River at Wilkins Slough Flow, 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 5B2-14-6. Sacramento River at Wilkins Slough Flow, 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 5B2-14-7. Sacramento River at Wilkins Slough Flow, October

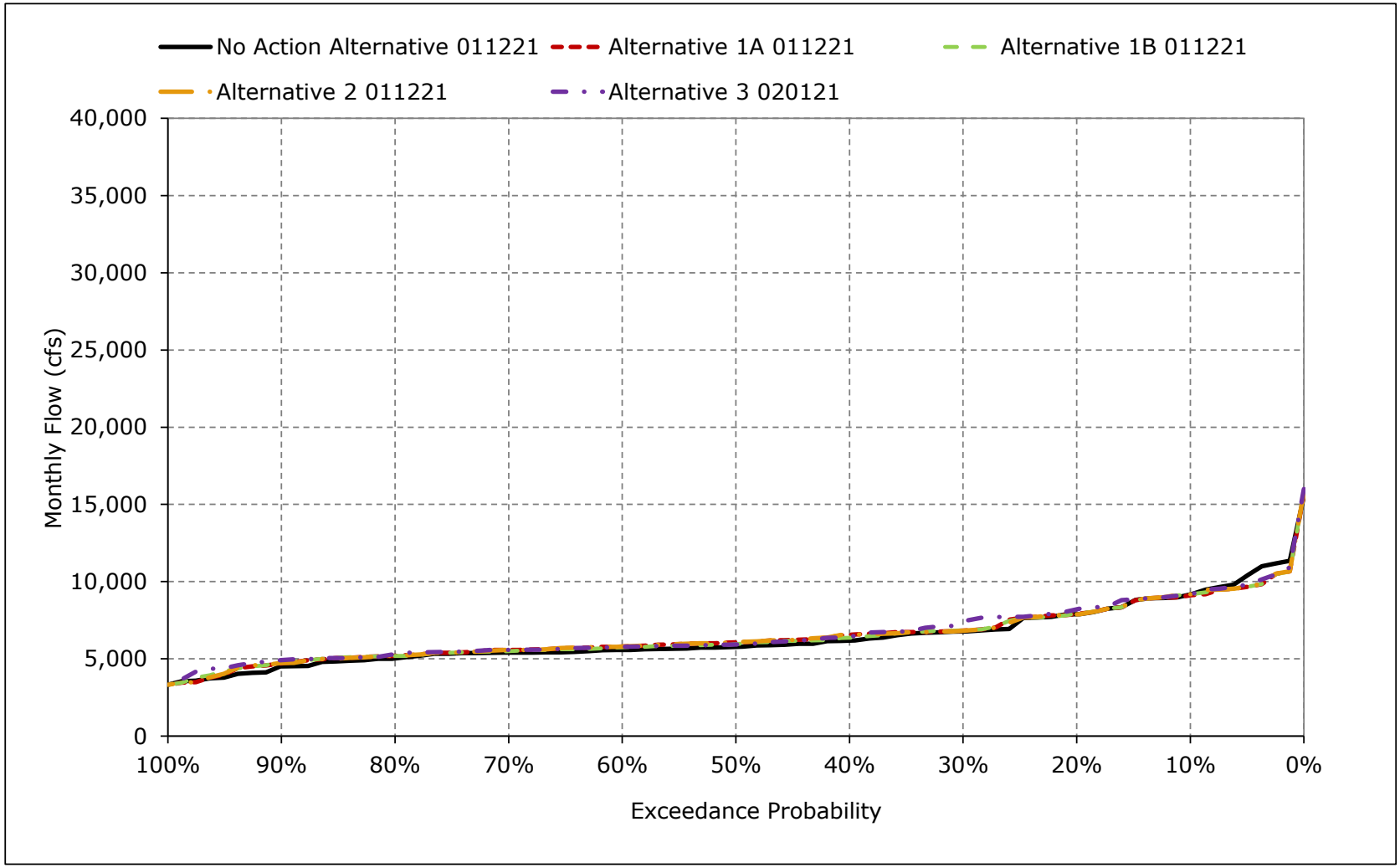


Figure 5B2-14-8. Sacramento River at Wilkins Slough Flow, November

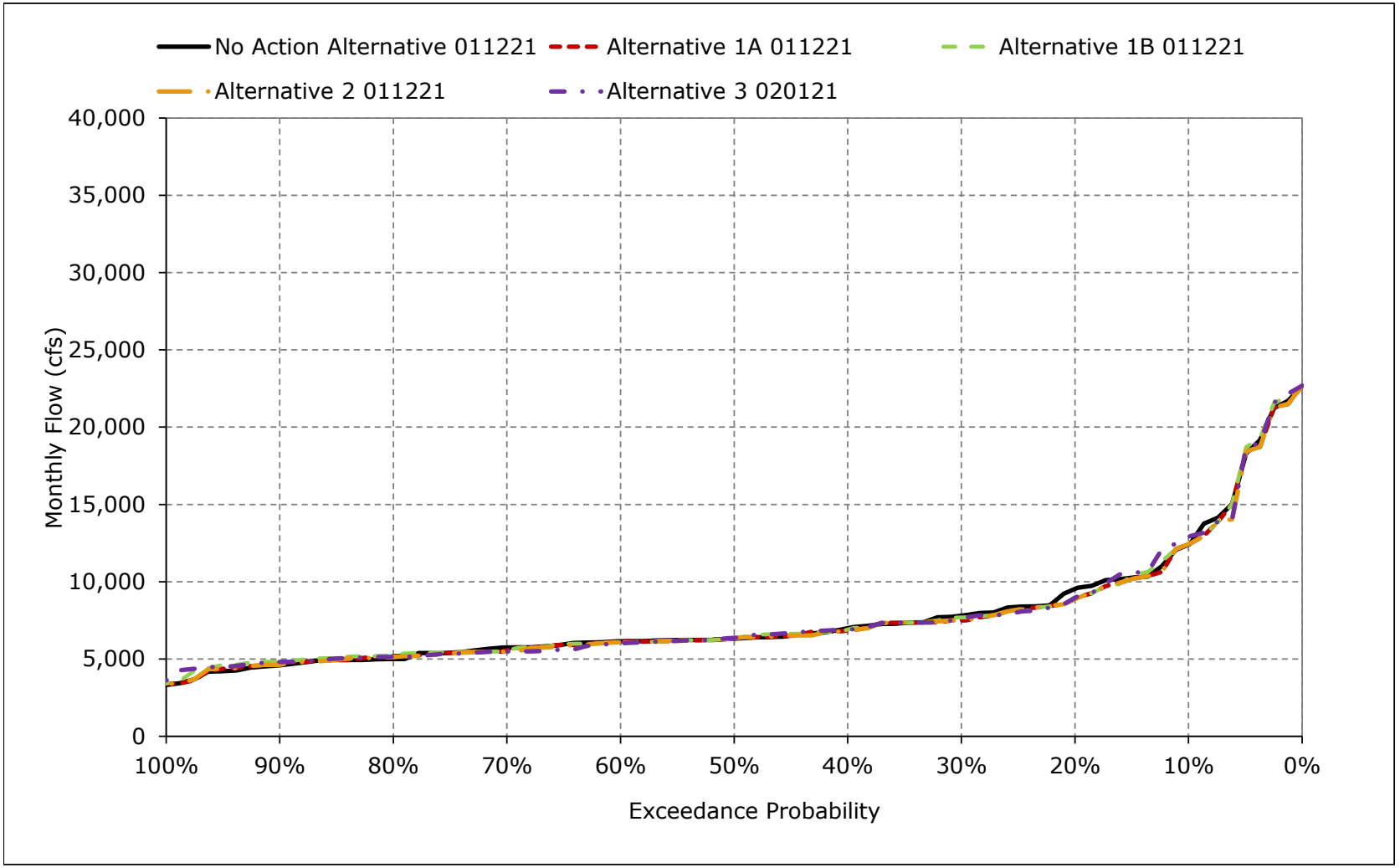


Figure 5B2-14-9. Sacramento River at Wilkins Slough Flow, December

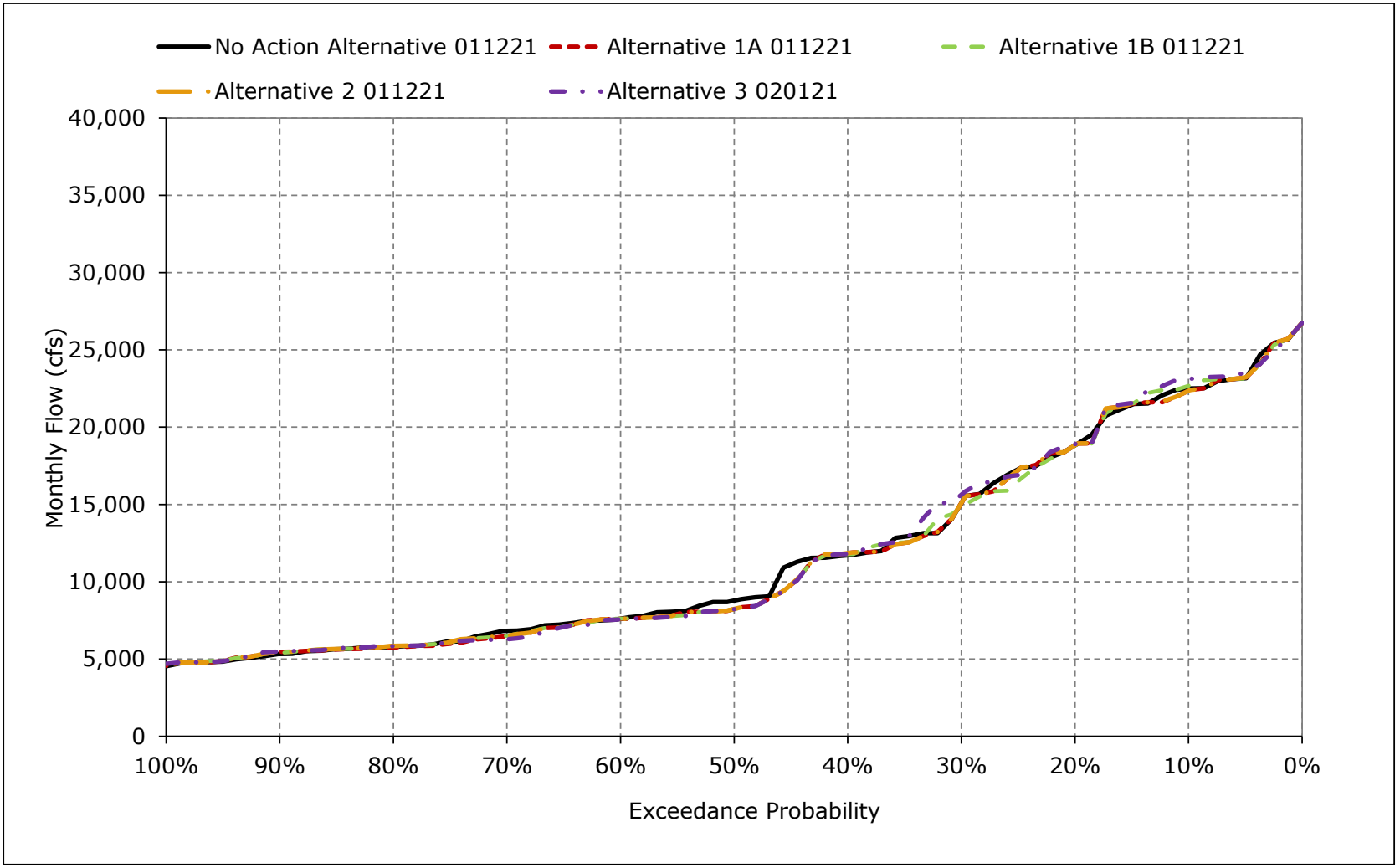


Figure 5B2-14-10. Sacramento River at Wilkins Slough Flow, January

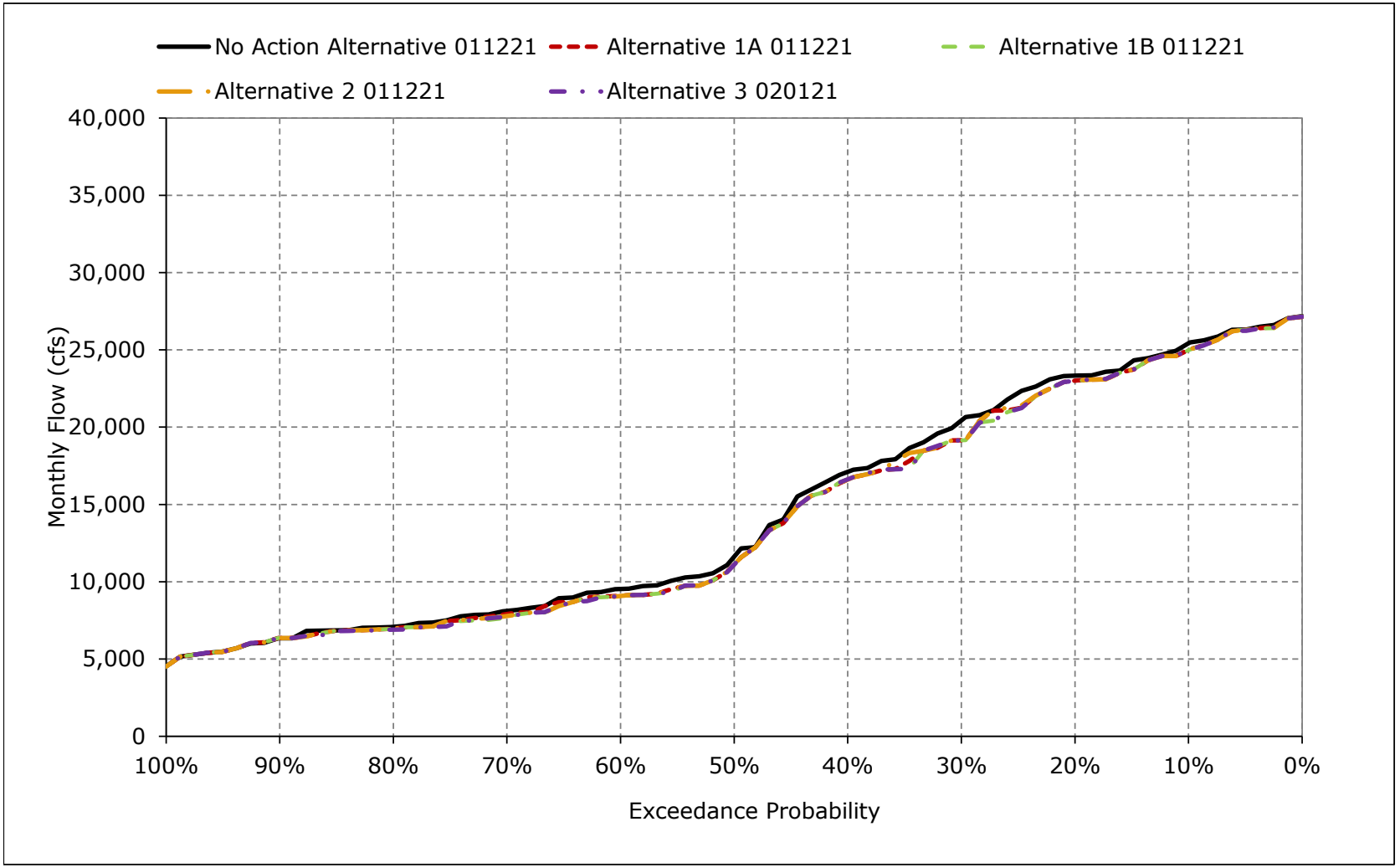


Figure 5B2-14-11. Sacramento River at Wilkins Slough Flow, February

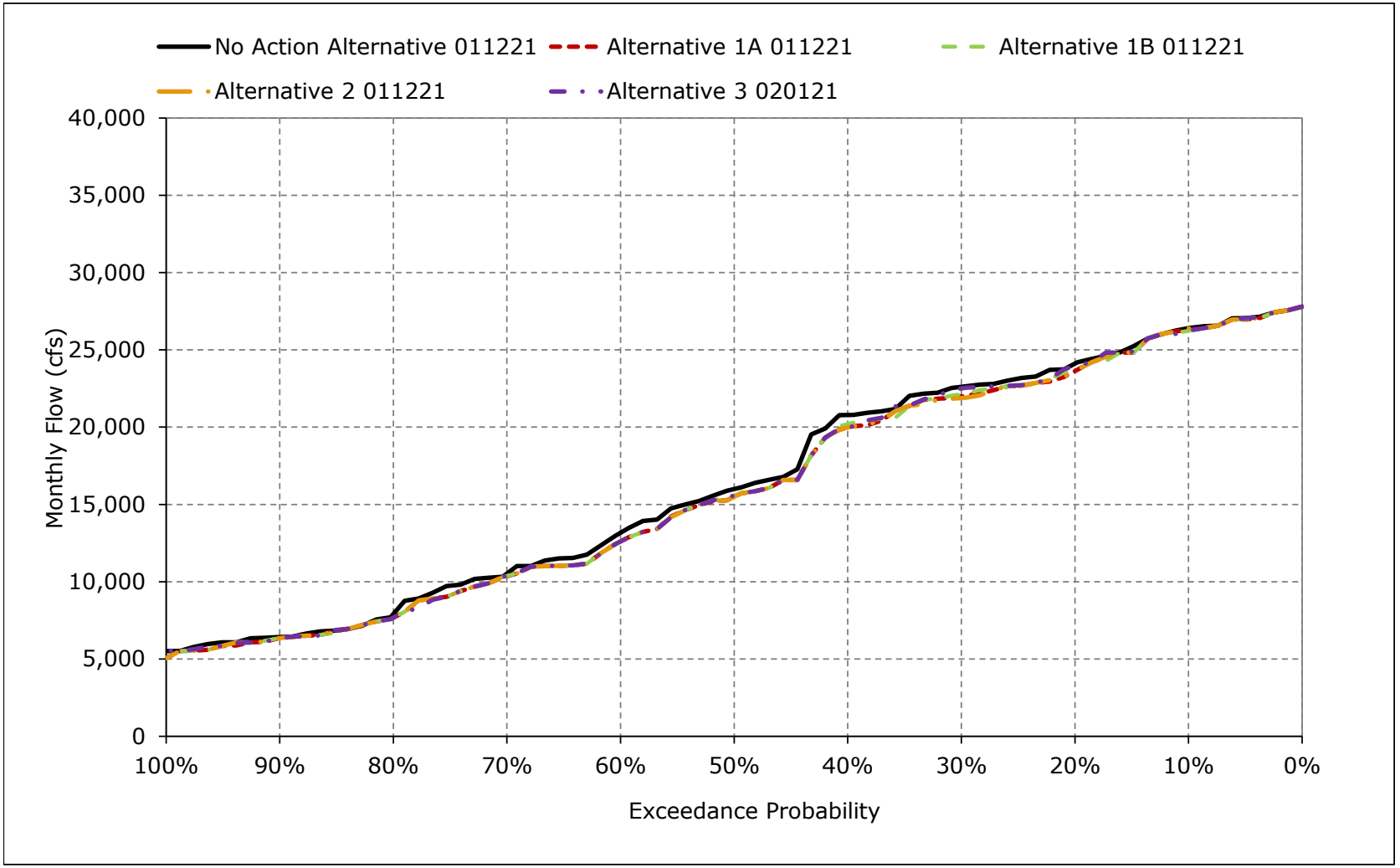


Figure 5B2-14-12. Sacramento River at Wilkins Slough Flow, March

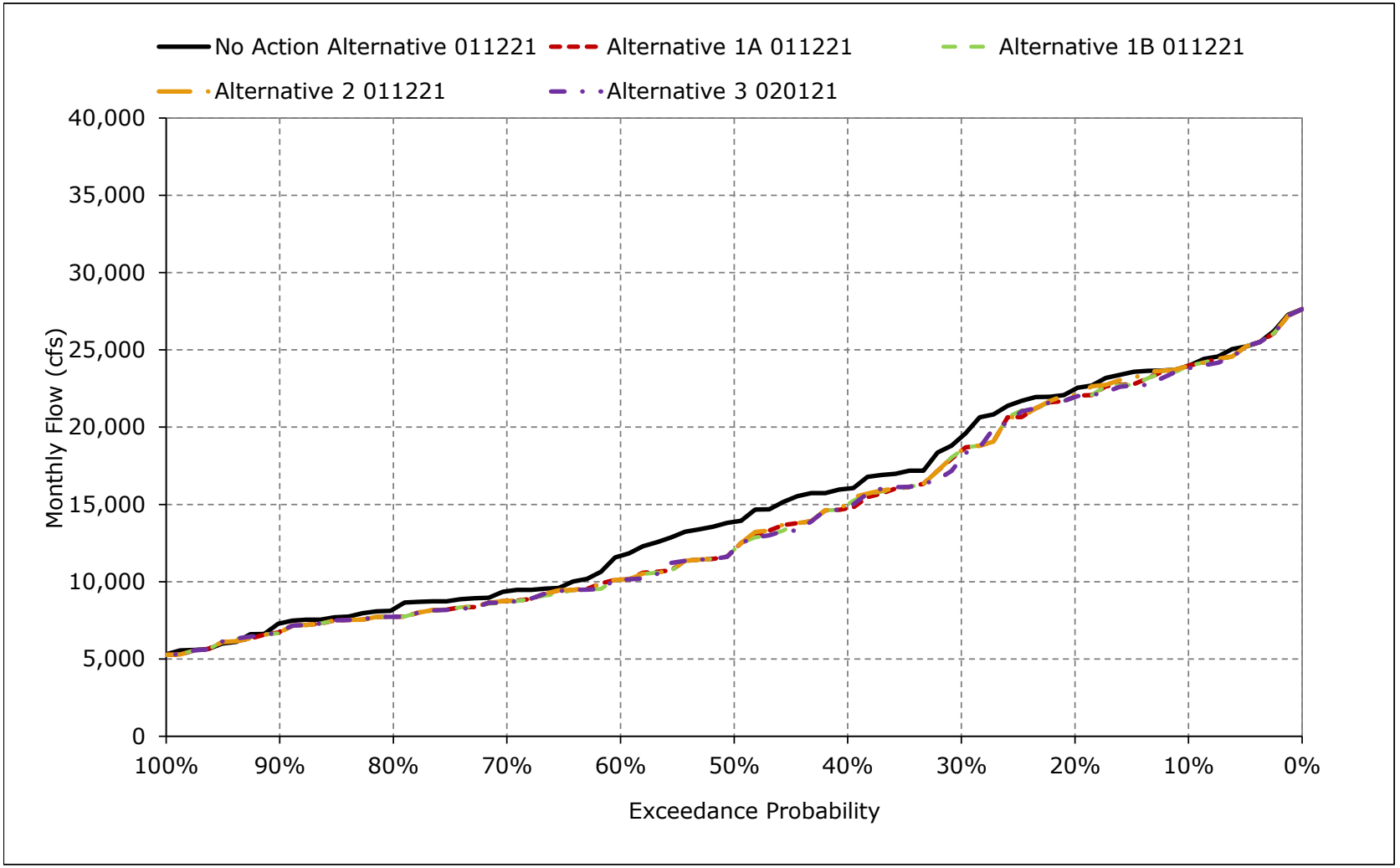


Figure 5B2-14-13. Sacramento River at Wilkins Slough Flow, April

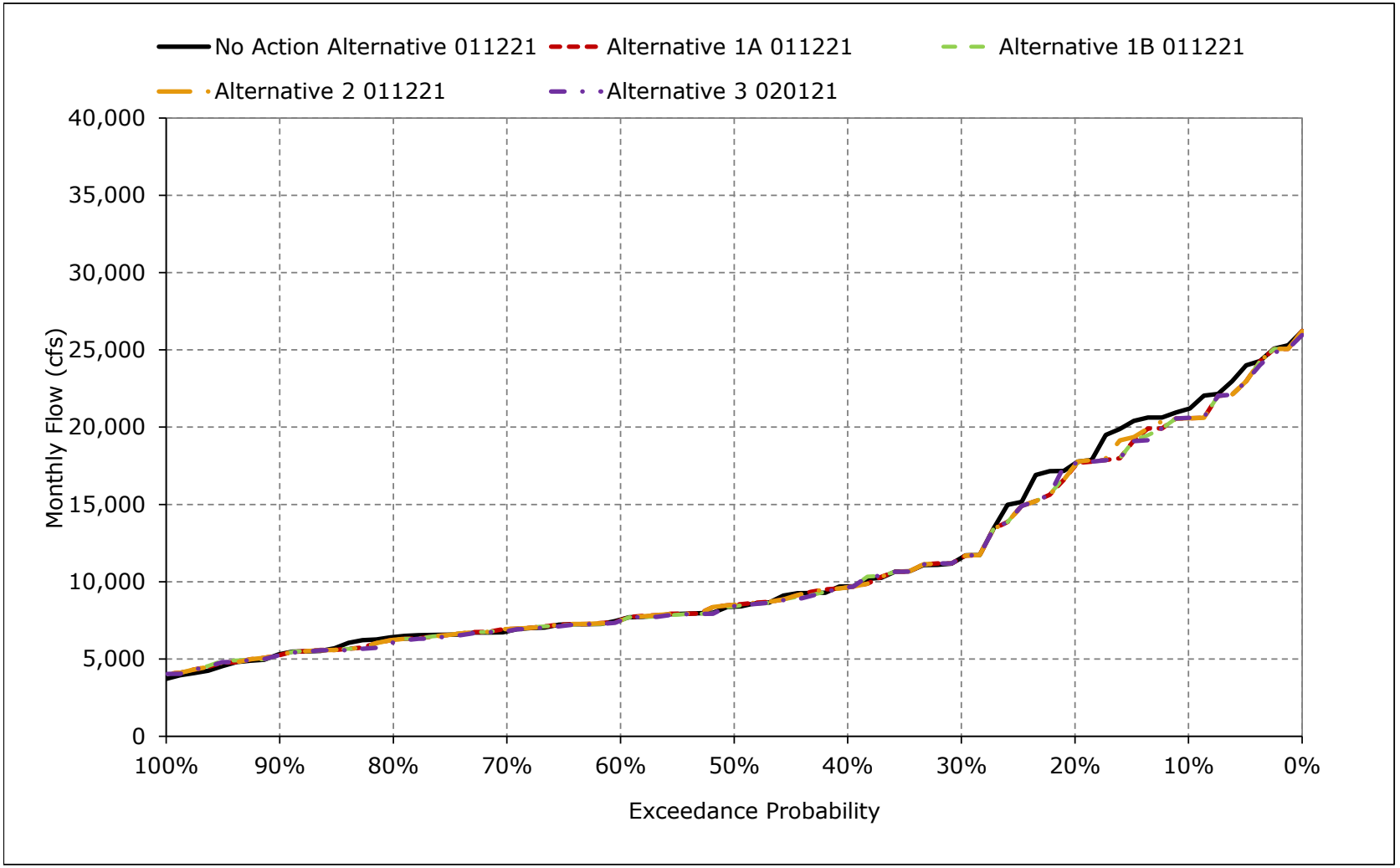


Figure 5B2-14-14. Sacramento River at Wilkins Slough Flow, May

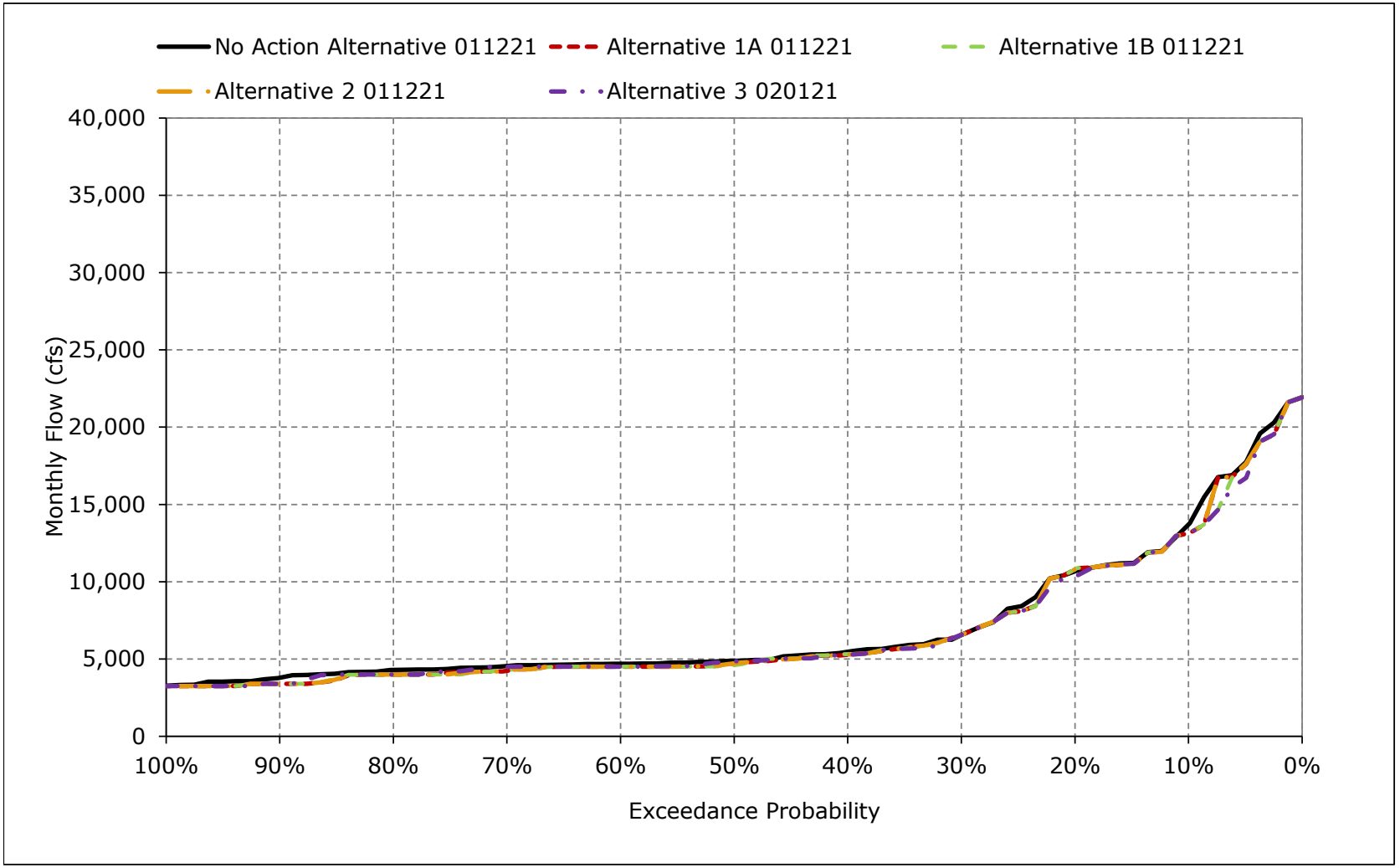


Figure 5B2-14-15. Sacramento River at Wilkins Slough Flow, June

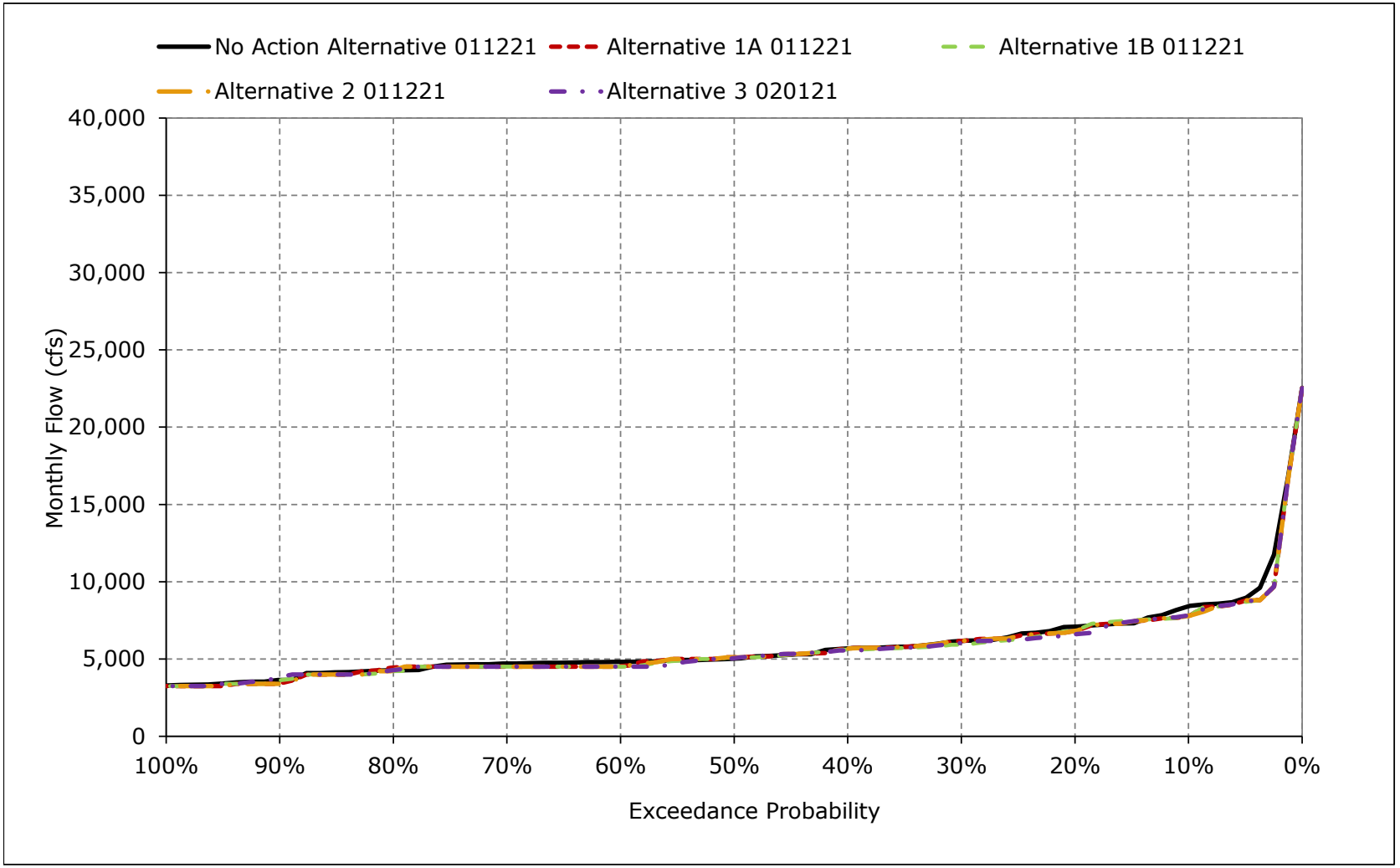


Figure 5B2-14-16. Sacramento River at Wilkins Slough Flow, July

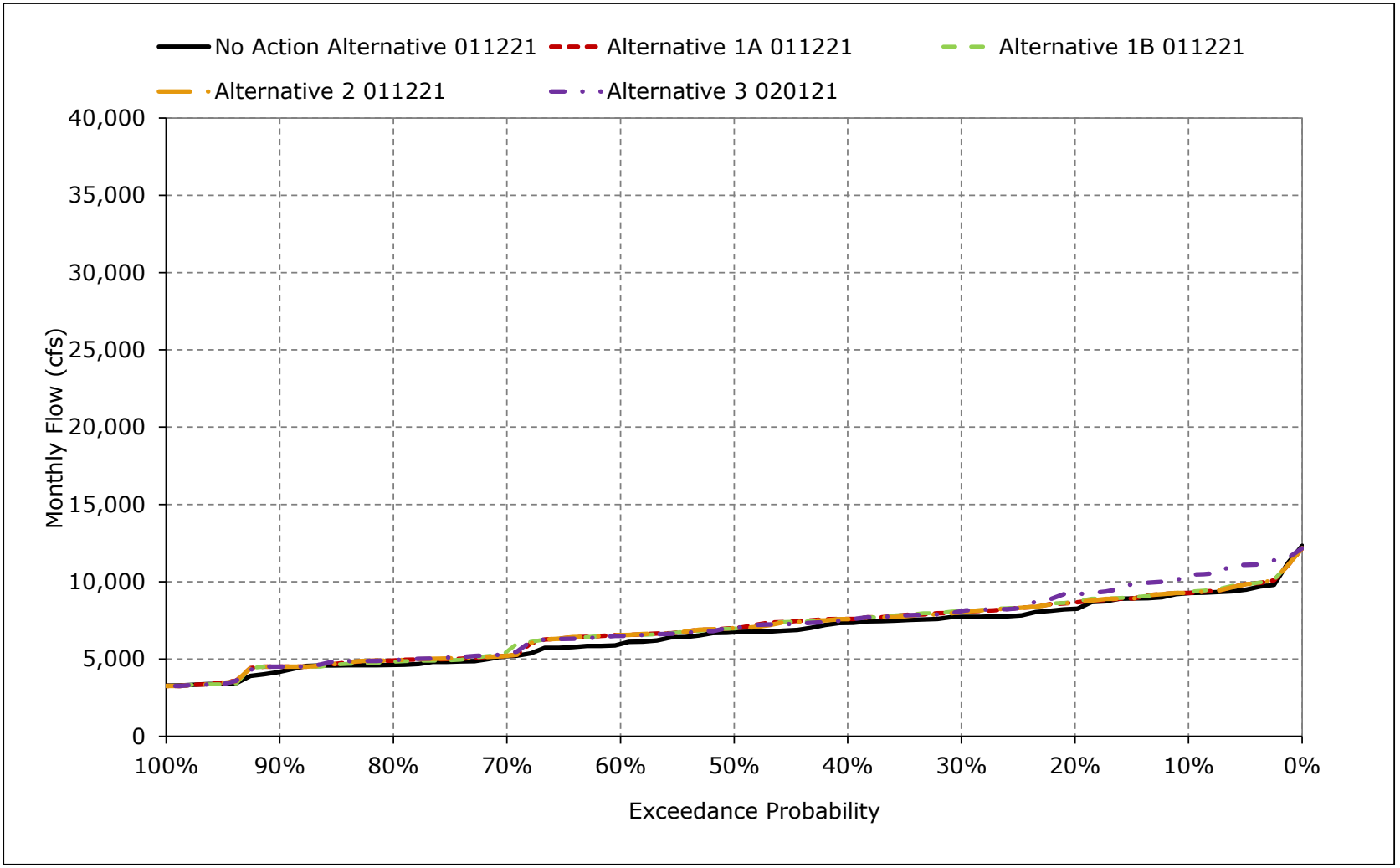


Figure 5B2-14-17. Sacramento River at Wilkins Slough Flow, August

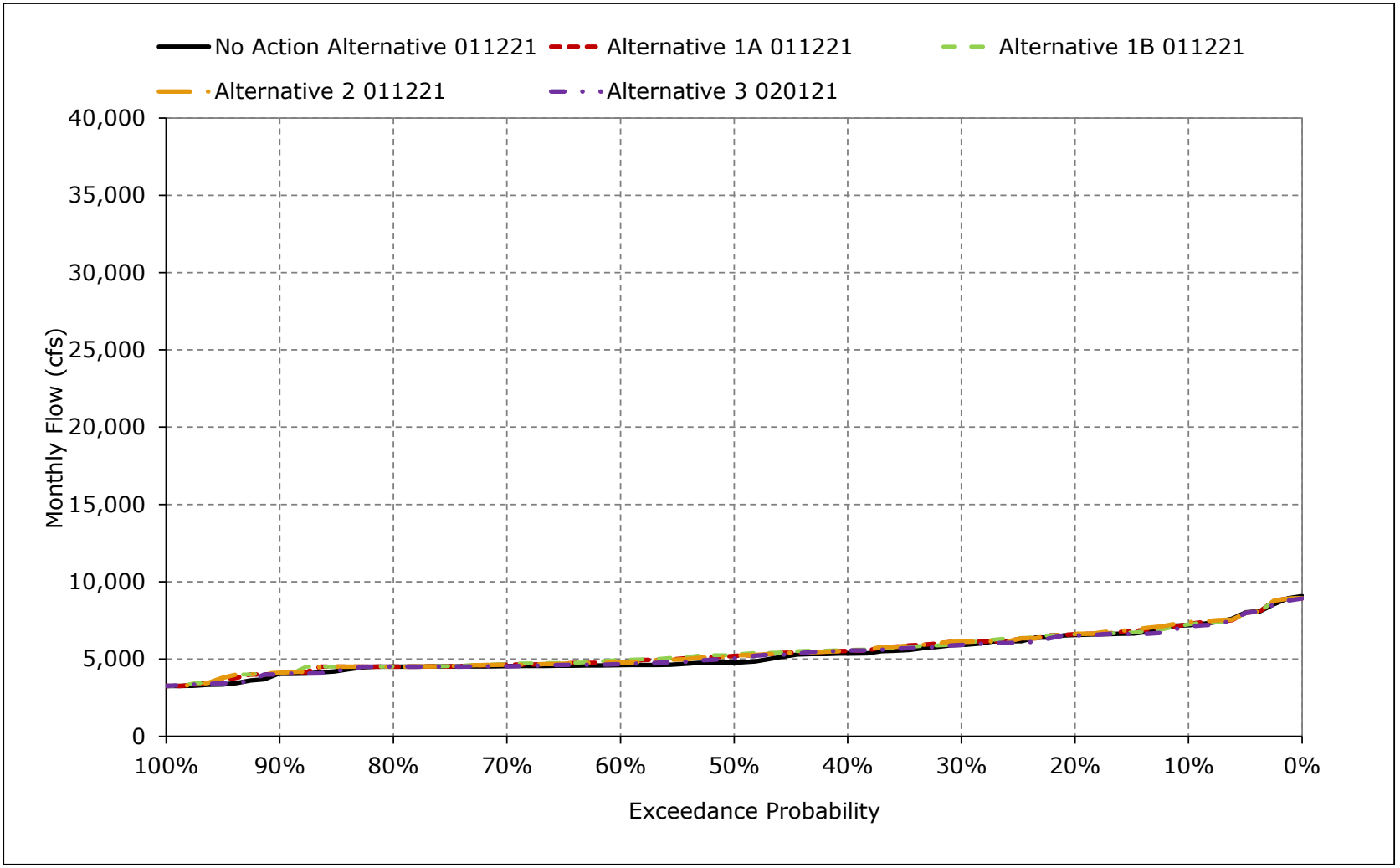


Figure 5B2-14-18. Sacramento River at Wilkins Slough Flow, September

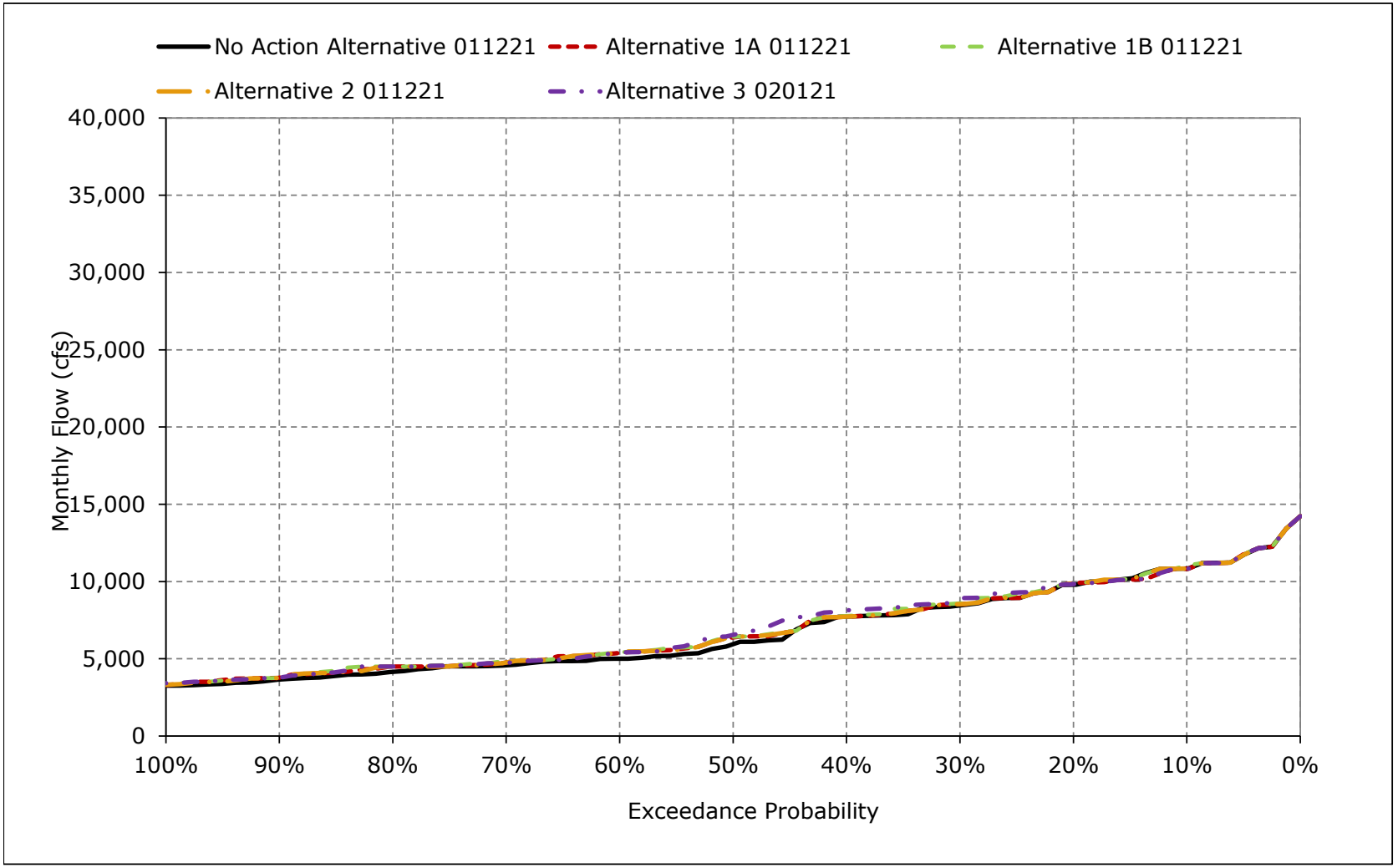


Table 5B2-15-1a. Colusa Basin Drain above Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-15-1b. Colusa Basin Drain above 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%	46	793	1,096	914	918	870	1,743	1,397	1,395	1,499	1,537	923
20%	8	457	845	629	765	521	1,388	1,183	1,235	1,225	1,273	819
30%	0	298	663	474	645	325	1,101	953	1,155	1,103	1,202	680
40%	0	242	489	364	492	217	849	778	1,088	983	1,127	609
50%	0	206	385	222	0	77	635	676	1,022	929	948	547
60%	0	110	288	0	0	0	333	617	949	857	835	446
70%	0	23	45	0	0	0	212	579	872	775	664	370
80%	0	21	0	0	0	0	0	526	727	728	587	278
90%	0	15	0	0	0	0	0	434	642	670	487	115
Long Term												
Full Simulation Period[a]	23	273	462	354	384	289	739	781	1,026	1,010	1,011	553
Water Year Types[b,c]												
Wet (32%)	3	296	442	261	128	112	583	651	1,055	1,153	1,186	519
Above Normal (15%)	88	274	509	189	101	156	701	823	1,082	960	1,124	672
Below Normal (17%)	20	320	279	323	433	477	600	894	1,045	958	890	494
Dry (22%)	8	329	409	587	719	308	851	916	1,129	1,071	981	638
Critical (15%)	25	82	753	407	664	559	1,107	688	733	716	702	448

Table 5B2-15-1c. Colusa Basin Drain above 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%	-26	0	-49	10	0	2	19	4	2	-30	-5	13
20%	-2	0	13	-2	2	1	3	3	-10	-22	0	-6
30%	0	-9	23	9	0	1	4	1	-15	-15	9	0
40%	0	8	11	17	1	1	6	7	1	0	0	6
50%	0	15	12	5	0	2	2	2	1	0	0	10
60%	0	3	20	0	0	0	1	10	0	0	0	9
70%	0	3	2	0	0	0	1	2	1	0	0	9
80%	0	3	0	0	0	0	0	6	2	0	0	7
90%	0	1	0	0	0	0	0	0	-10	0	0	0
Long Term												
Full Simulation Period[a]	-1	2	5	4	1	0	2	4	-2	-3	1	3
Water Year Types[b,c]												
Wet (32%)	0	0	9	3	0	0	1	7	-4	-4	0	-1
Above Normal (15%)	0	1	1	0	0	0	1	-4	-4	0	0	0
Below Normal (17%)	1	3	9	7	1	-1	2	5	-3	-10	7	31
Dry (22%)	-4	4	8	6	1	0	4	5	1	0	-1	-15
Critical (15%)	0	3	-6	4	2	1	3	4	3	0	0	7

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 5B2-15-2a. Colusa Basin Drain above 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-15-2b. Colusa Basin Drain above 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%	46	793	1,096	914	918	870	1,743	1,397	1,395	1,499	1,537	923
20%	5	457	845	629	765	521	1,388	1,183	1,235	1,225	1,273	819
30%	0	298	663	475	645	325	1,101	953	1,155	1,103	1,202	678
40%	0	239	489	364	492	217	849	778	1,088	983	1,127	609
50%	0	199	385	222	0	77	635	676	1,022	929	948	547
60%	0	110	288	0	0	0	333	617	949	857	835	441
70%	0	23	45	0	0	0	212	579	872	775	664	370
80%	0	21	0	0	0	0	0	526	727	728	587	278
90%	0	15	0	0	0	0	0	434	642	670	469	115
Long Term												
Full Simulation Period[a]	23	272	464	354	384	289	739	781	1,026	1,010	1,011	552
Water Year Types[b,c]												
Wet (32%)	3	296	442	261	128	112	583	651	1,054	1,153	1,187	519
Above Normal (15%)	88	266	509	189	101	156	701	823	1,082	960	1,124	672
Below Normal (17%)	20	320	279	324	433	477	600	894	1,045	958	886	494
Dry (22%)	7	330	409	587	719	308	851	916	1,129	1,071	986	634
Critical (15%)	25	82	764	407	664	559	1,107	688	733	716	702	447

Table 5B2-15-2c. Colusa Basin Drain above 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%	-26	0	-49	10	0	2	19	4	2	-30	-5	13
20%	-5	0	13	-2	2	1	3	3	-10	-22	0	-6
30%	0	-9	23	9	0	1	4	1	-15	-15	9	-2
40%	0	5	11	17	1	1	6	7	1	0	0	6
50%	0	8	13	5	0	2	2	2	1	0	0	10
60%	0	3	20	0	0	0	1	10	0	0	0	4
70%	0	3	2	0	0	0	1	2	1	0	0	9
80%	0	3	0	0	0	0	0	6	2	0	0	7
90%	0	1	0	0	0	0	0	0	-10	0	-18	0
Long Term												
Full Simulation Period[a]	-1	1	7	4	1	0	2	4	-2	-3	2	2
Water Year Types[b,c]												
Wet (32%)	0	0	8	3	0	0	1	7	-4	-5	1	-1
Above Normal (15%)	0	-6	1	0	0	0	1	-4	-4	0	0	0
Below Normal (17%)	1	3	9	7	1	-1	2	5	-3	-9	2	31
Dry (22%)	-5	4	8	6	1	0	3	5	1	0	4	-19
Critical (15%)	0	3	4	4	2	1	3	4	3	0	0	6

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 5B2-15-3a. Colusa Basin Drain above 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-15-3b. Colusa Basin Drain above 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%	46	793	1,099	914	918	870	1,743	1,397	1,395	1,499	1,542	923
20%	8	458	845	629	765	521	1,388	1,183	1,235	1,225	1,273	819
30%	0	308	663	474	645	325	1,101	953	1,155	1,103	1,202	680
40%	0	244	489	352	492	217	849	778	1,088	983	1,127	609
50%	0	211	385	222	0	77	635	676	1,022	929	948	547
60%	0	116	289	0	0	0	333	617	949	857	835	446
70%	0	23	45	0	0	0	212	579	872	775	664	370
80%	0	21	0	0	0	0	0	526	727	728	587	278
90%	0	16	0	0	0	0	0	434	642	670	487	115
Long Term												
Full Simulation Period[a]	23	278	463	354	384	289	739	781	1,026	1,009	1,012	553
Water Year Types[b,c]												
Wet (32%)	3	296	442	261	128	112	583	651	1,055	1,153	1,190	519
Above Normal (15%)	88	274	509	189	101	156	701	823	1,082	960	1,124	672
Below Normal (17%)	20	348	279	322	433	477	600	894	1,045	957	890	494
Dry (22%)	8	329	409	587	719	308	852	916	1,129	1,071	981	638
Critical (15%)	25	83	754	407	664	559	1,107	688	733	716	702	450

Table 5B2-15-3c. Colusa Basin Drain above 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%	-26	0	-47	10	0	2	19	4	2	-30	0	13
20%	-2	1	13	-2	2	1	3	3	-10	-22	0	-6
30%	0	1	23	9	0	1	4	1	-15	-15	9	0
40%	0	10	11	5	1	1	6	7	1	0	0	6
50%	0	20	13	5	0	2	2	2	1	0	0	10
60%	0	8	21	0	0	0	1	10	0	0	0	9
70%	0	3	2	0	0	0	1	2	1	0	0	9
80%	0	3	0	0	0	0	0	6	2	0	0	7
90%	0	2	0	0	0	0	0	0	-10	0	0	0
Long Term												
Full Simulation Period[a]	-1	7	6	4	1	0	2	4	-2	-3	2	3
Water Year Types[b,c]												
Wet (32%)	0	0	9	3	0	0	1	7	-4	-4	4	-1
Above Normal (15%)	0	1	1	0	0	0	1	-4	-4	0	0	0
Below Normal (17%)	1	31	10	5	1	-1	2	5	-3	-11	7	31
Dry (22%)	-4	4	9	6	1	0	4	5	1	0	-1	-15
Critical (15%)	0	3	-6	4	2	1	3	4	3	0	0	9

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 5B2-15-4a. Colusa Basin Drain above 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-15-4b. Colusa Basin Drain above 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%	46	793	1,098	914	918	870	1,743	1,397	1,384	1,499	1,458	910
20%	5	457	820	629	765	521	1,388	1,183	1,235	1,225	1,285	819
30%	0	307	608	472	645	325	1,101	953	1,155	1,103	1,202	678
40%	0	239	455	352	492	217	849	778	1,088	983	1,127	603
50%	0	197	365	222	0	77	635	676	1,022	929	948	547
60%	0	115	250	0	0	0	333	617	941	857	835	441
70%	0	23	0	0	0	0	212	579	872	775	664	370
80%	0	21	0	0	0	0	0	526	727	728	587	278
90%	0	16	0	0	0	0	0	434	642	670	492	115
Long Term												
Full Simulation Period[a]	23	276	444	354	384	289	739	781	1,025	1,010	1,011	553
Water Year Types[b,c]												
Wet (32%)	3	296	442	261	128	112	583	651	1,052	1,156	1,186	519
Above Normal (15%)	88	266	432	189	101	156	701	823	1,082	960	1,121	668
Below Normal (17%)	20	348	279	321	433	477	600	894	1,040	957	890	491
Dry (22%)	7	329	370	586	719	307	851	916	1,129	1,071	987	644
Critical (15%)	25	82	764	410	664	559	1,107	688	733	716	702	447

Table 5B2-15-4c. Colusa Basin Drain above Dunnigan Pipeline, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

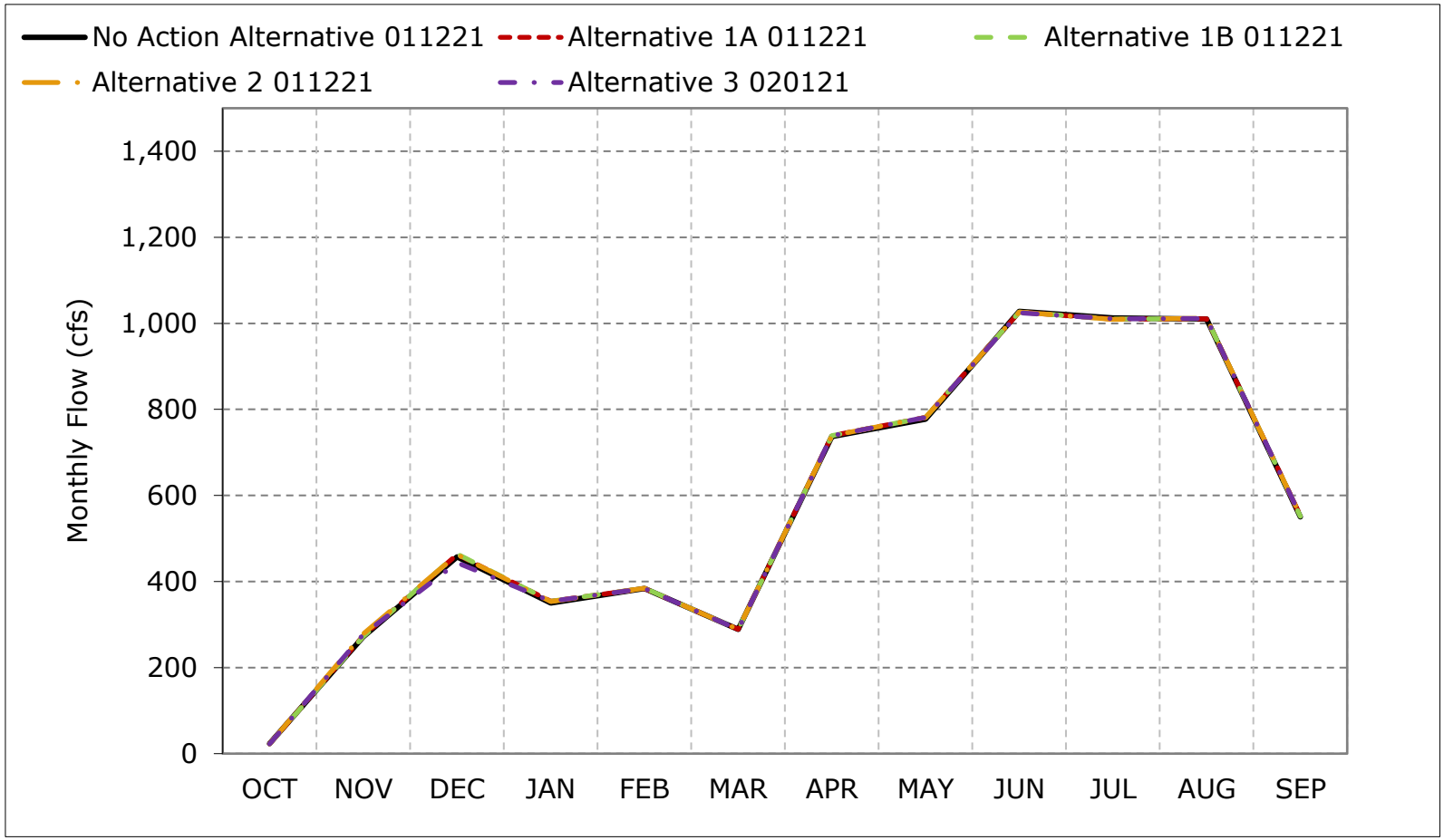
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-26	0	-48	10	0	2	19	4	-9	-30	-84	1
20%	-5	0	-11	-2	2	1	3	3	-10	-22	12	-6
30%	0	0	-31	7	0	1	4	1	-15	-15	9	-2
40%	0	5	-23	5	1	1	6	7	1	0	0	0
50%	0	6	-7	5	0	2	2	2	1	0	0	10
60%	0	8	-18	0	0	0	1	10	-8	0	0	4
70%	0	3	-43	0	0	0	1	2	1	0	0	9
80%	0	3	0	0	0	0	0	6	2	0	0	7
90%	0	2	0	0	0	0	0	0	-10	0	5	0
Long Term												
Full Simulation Period[a]	-1	5	-13	4	1	0	2	4	-3	-2	2	3
Water Year Types[b,c]												
Wet (32%)	0	0	8	3	0	0	1	7	-6	-1	0	-1
Above Normal (15%)	0	-6	-76	0	0	0	1	-4	-4	0	-4	-3
Below Normal (17%)	1	31	9	5	1	-1	2	5	-8	-11	7	28
Dry (22%)	-5	3	-31	5	1	0	3	4	1	0	5	-9
Critical (15%)	0	3	4	7	2	1	3	5	3	0	0	5

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).

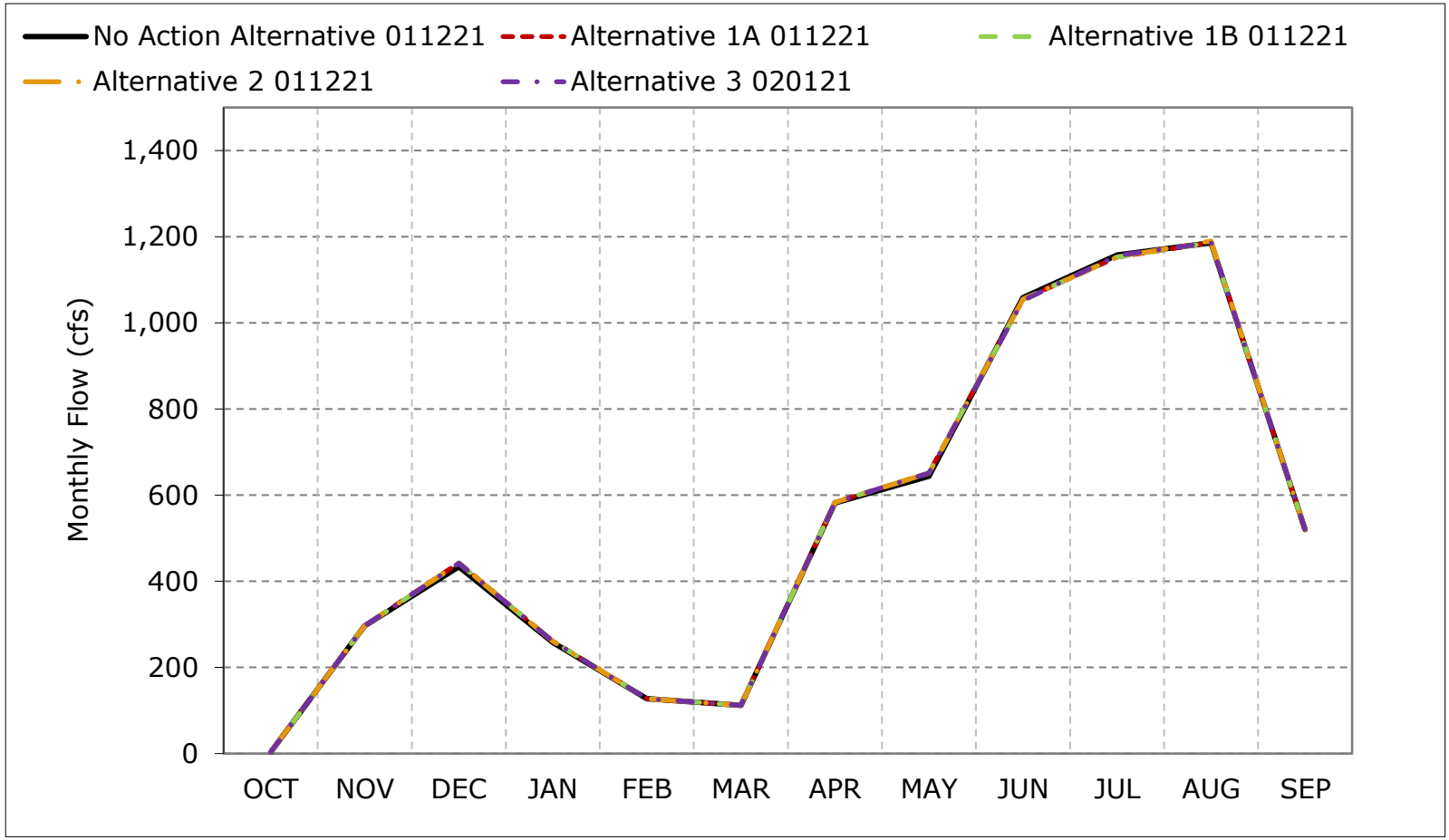
c These results are displayed with calendar year - year type sorting.

Figure 5B2-15-1. Colusa Basin Drain above Dunnigan Pipeline, Long-Term Average Flow



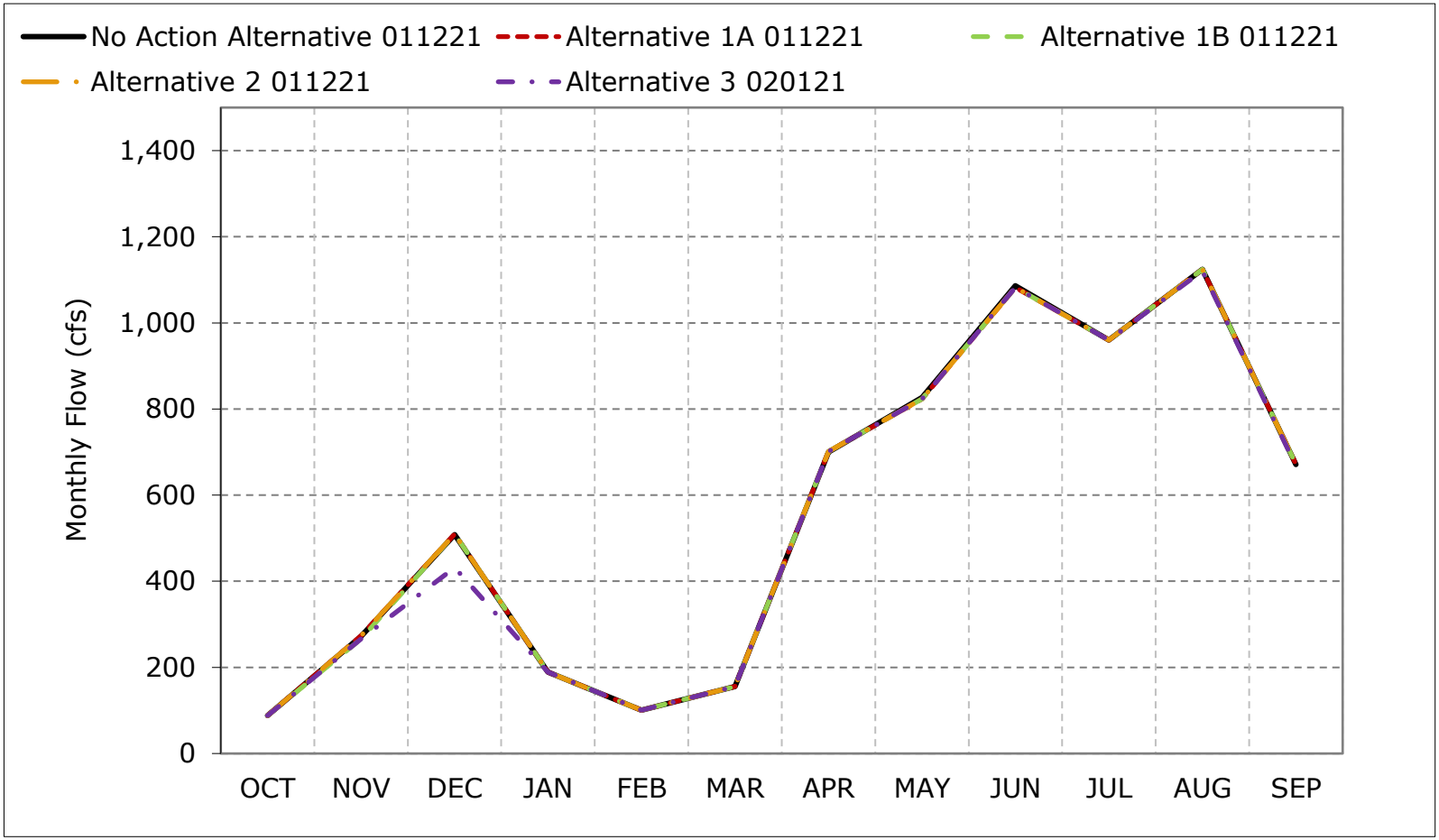
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-15-2. Colusa Basin Drain above Dunnigan Pipeline, Wet Year Average Flow



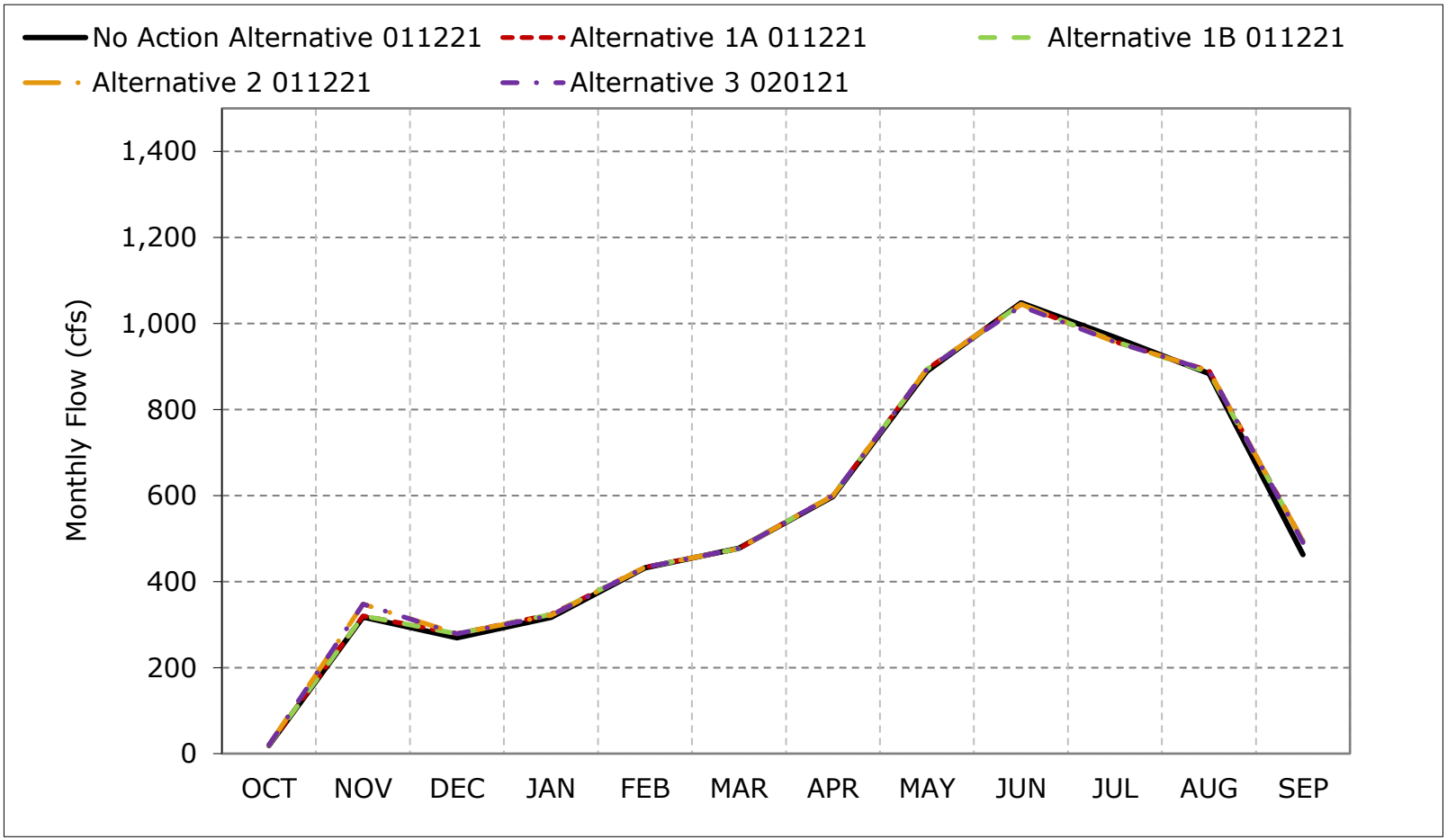
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-15-3. Colusa Basin Drain above Dunnigan Pipeline, Above Normal Year Average Flow



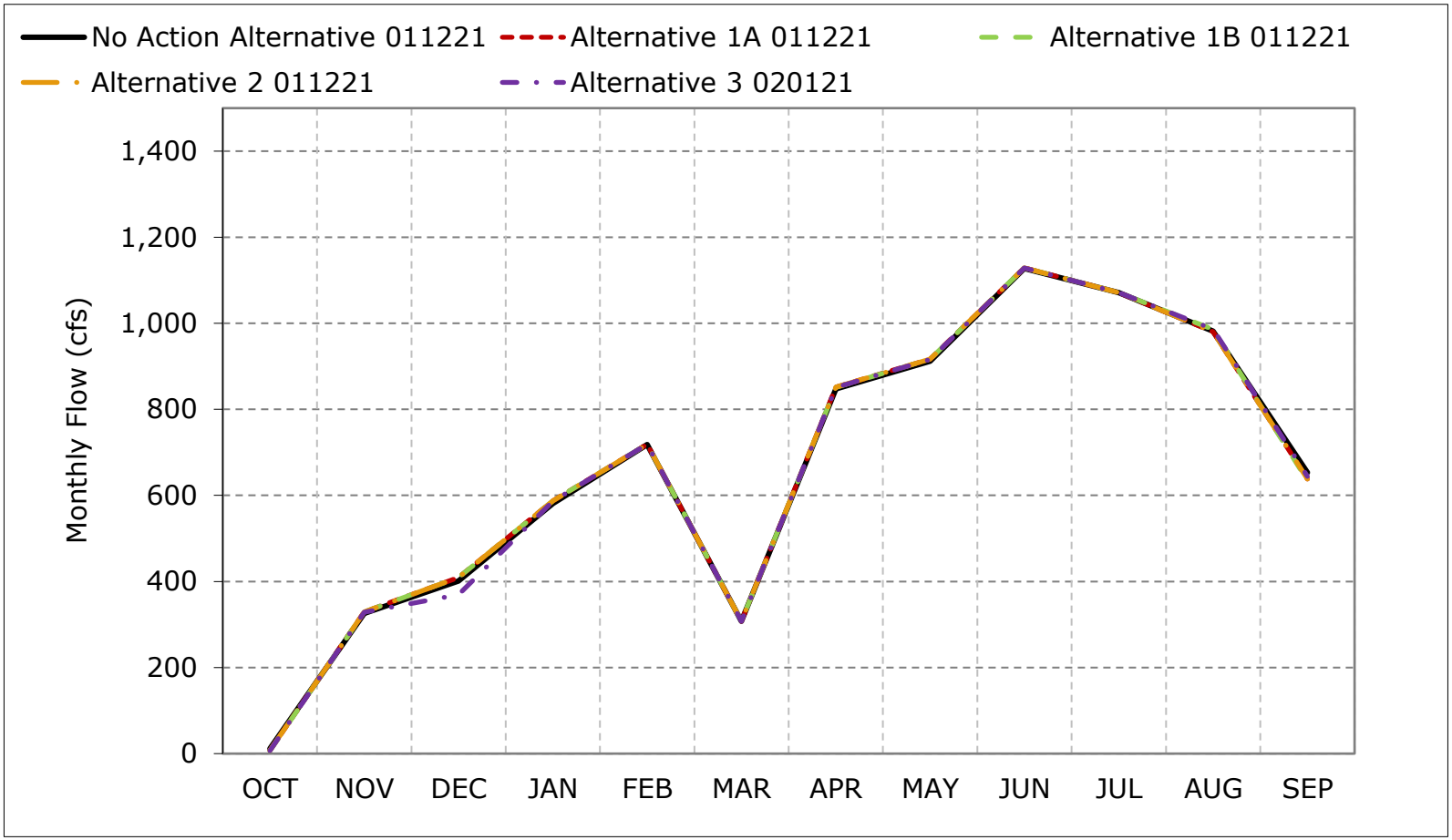
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-15-4. Colusa Basin Drain above Dunnigan Pipeline, Below Normal Year Average Flow



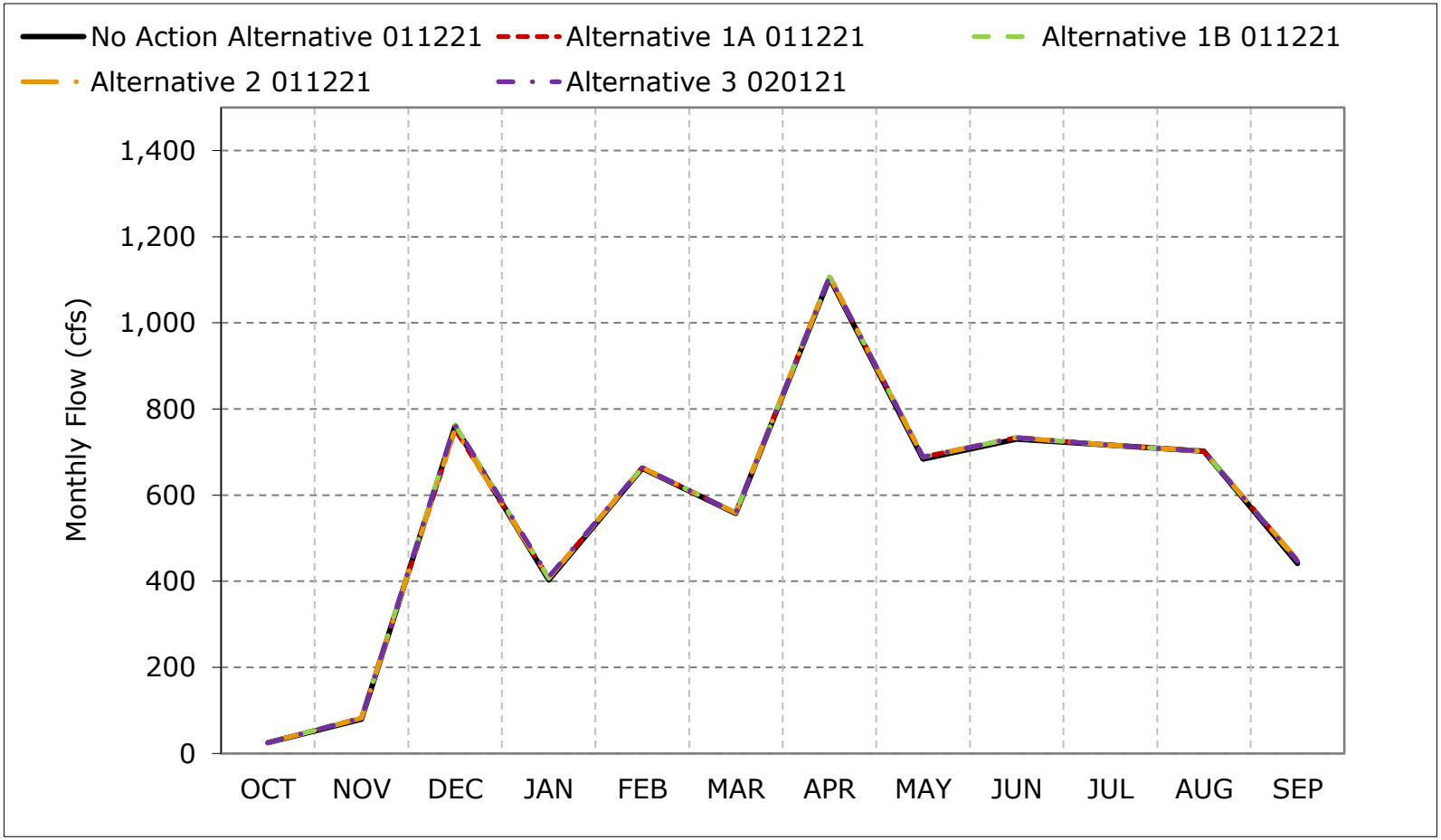
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-15-5. Colusa Basin Drain above 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 5B2-15-6. Colusa Basin Drain above 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 5B2-15-7. Colusa Basin Drain above Dunnigan Pipeline, October

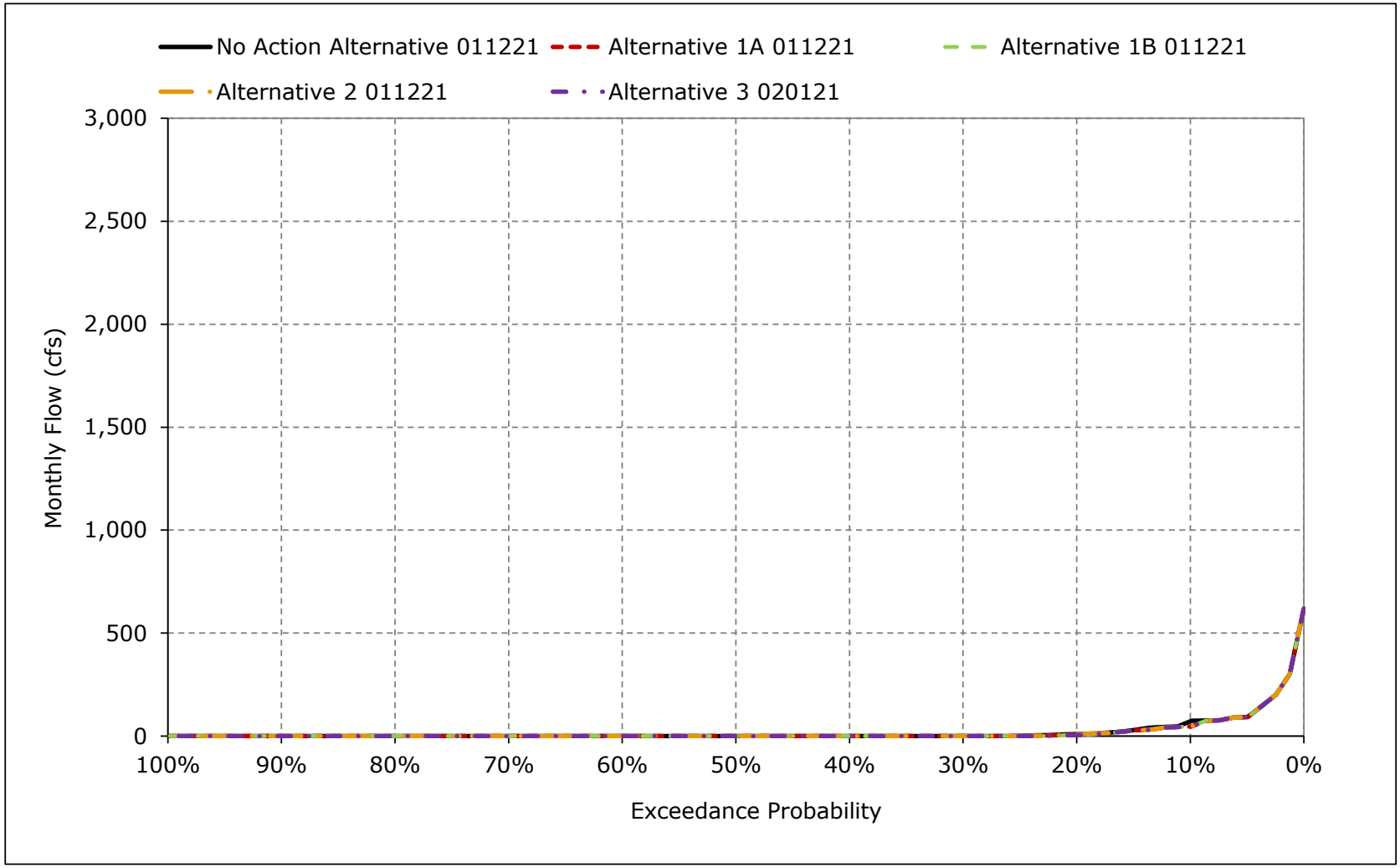


Figure 5B2-15-8. Colusa Basin Drain above Dunnigan Pipeline, November

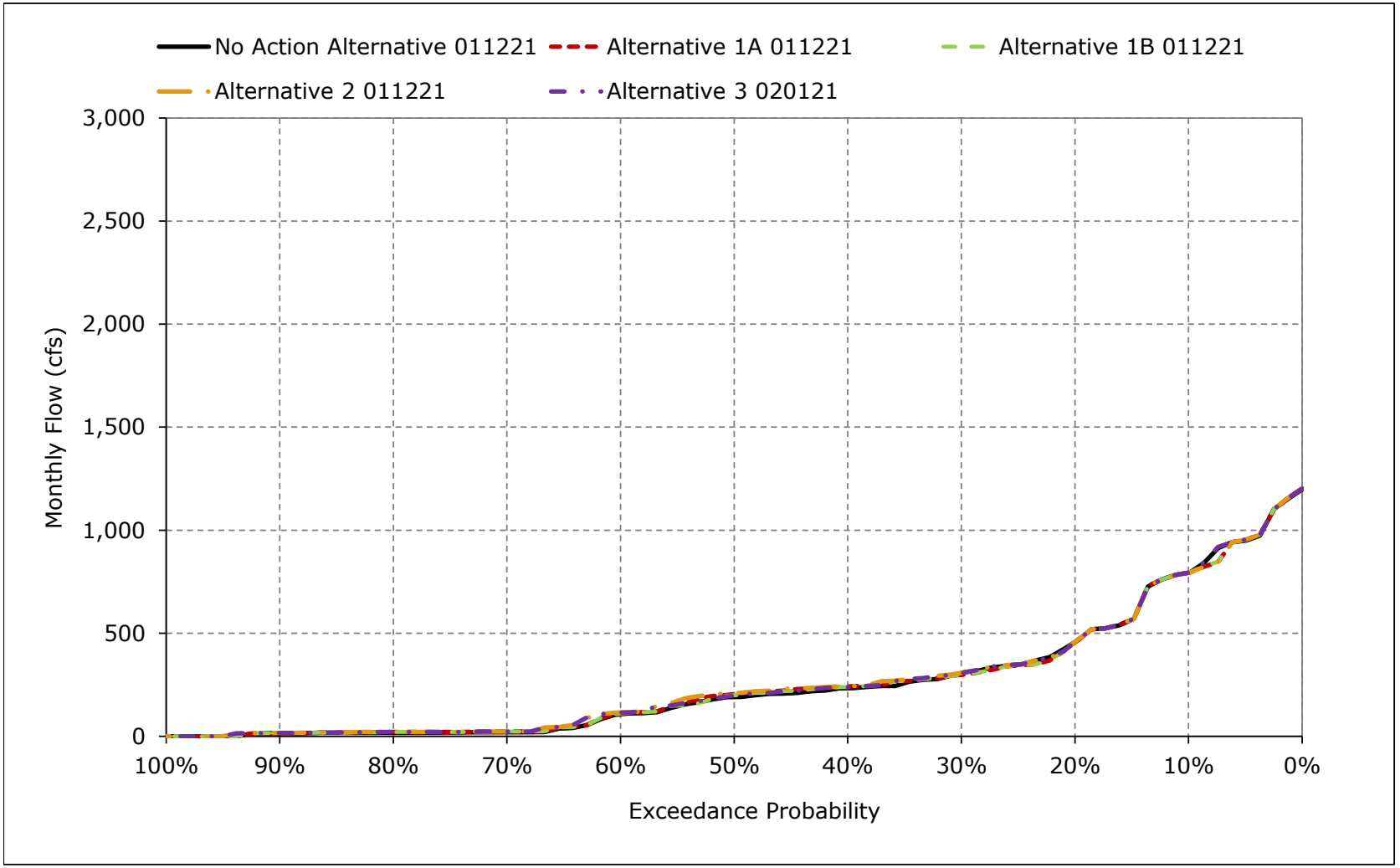


Figure 5B2-15-9. Colusa Basin Drain above Dunnigan Pipeline, December

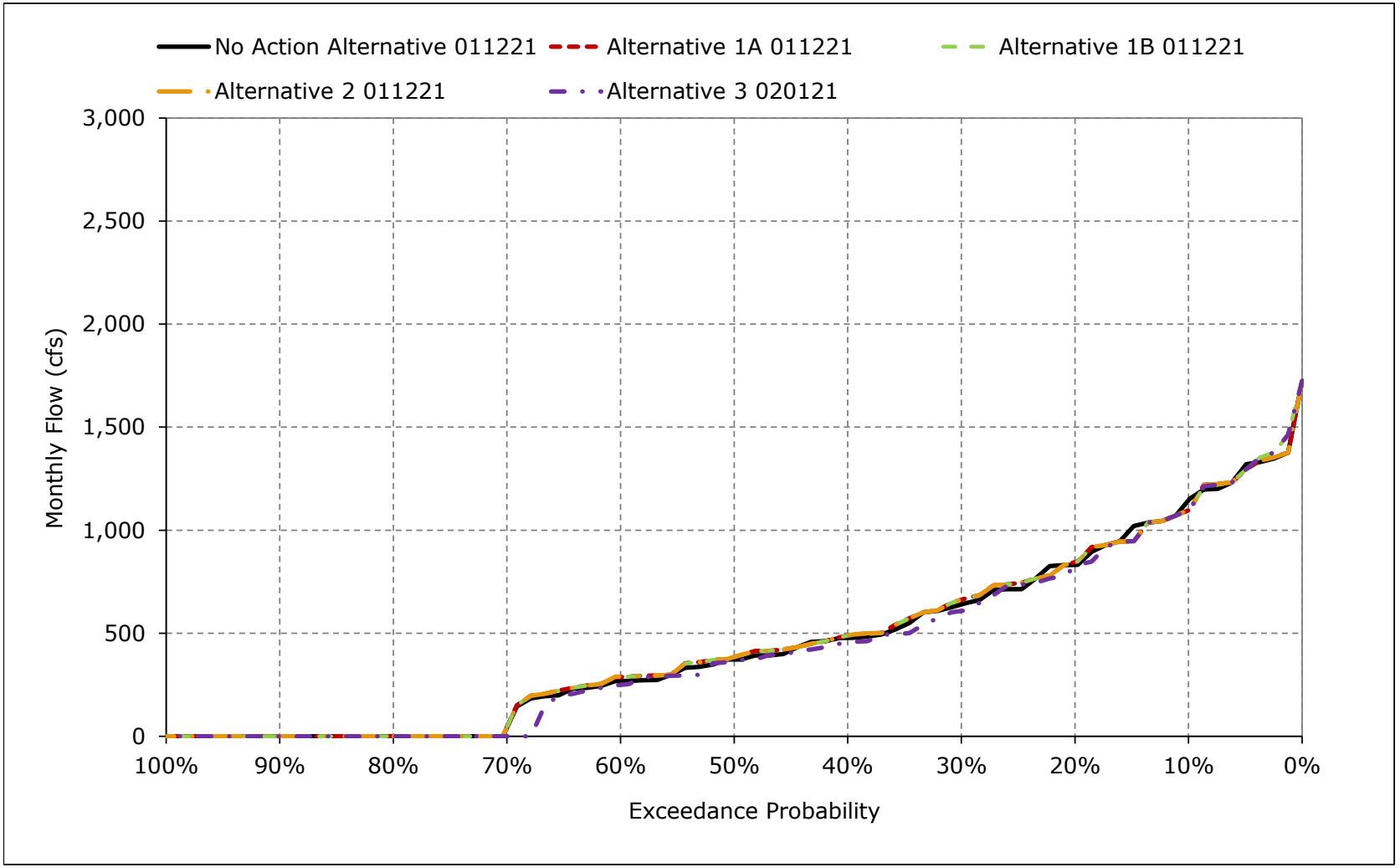


Figure 5B2-15-10. Colusa Basin Drain above Dunnigan Pipeline, January

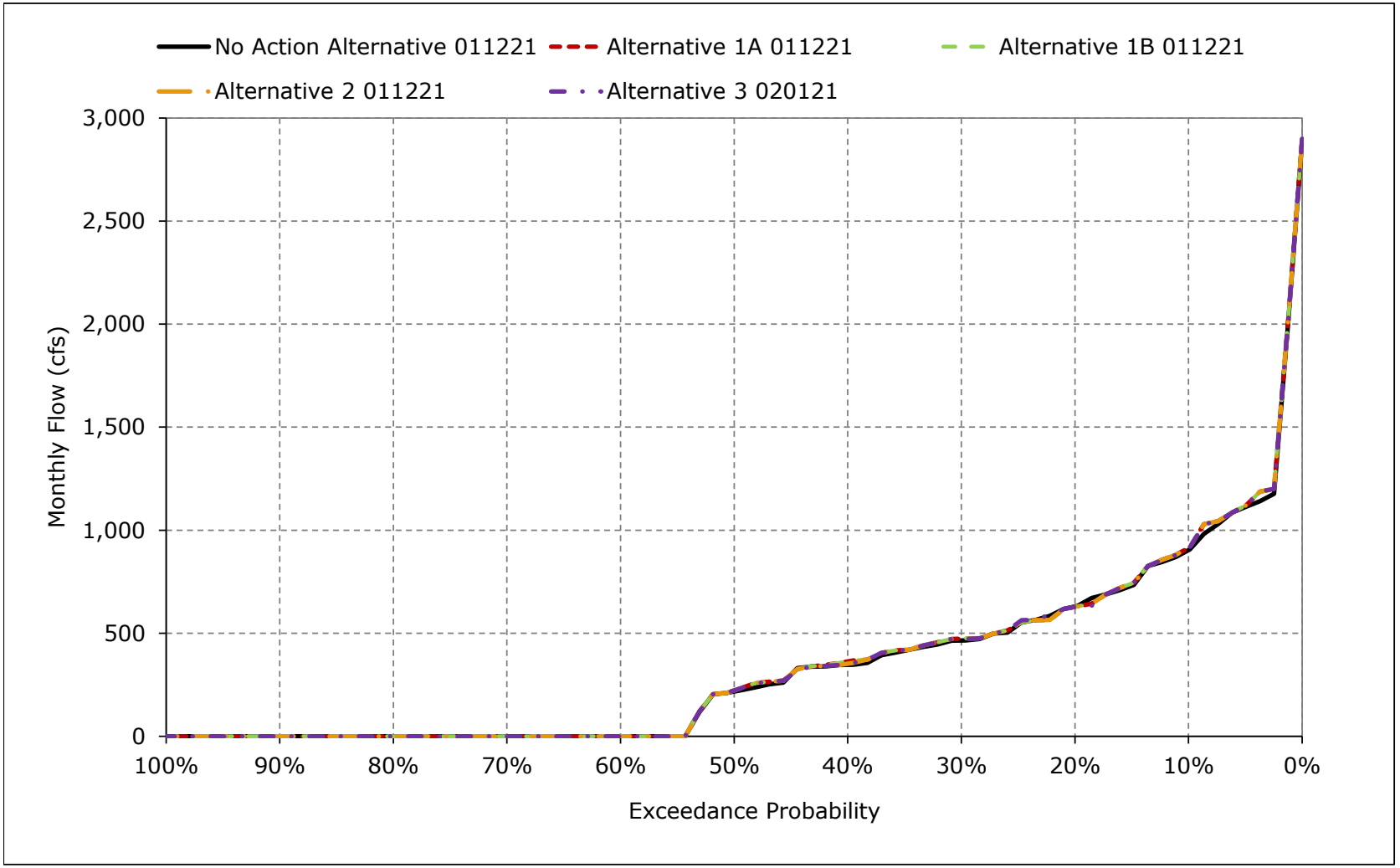


Figure 5B2-15-11. Colusa Basin Drain above Dunnigan Pipeline, February

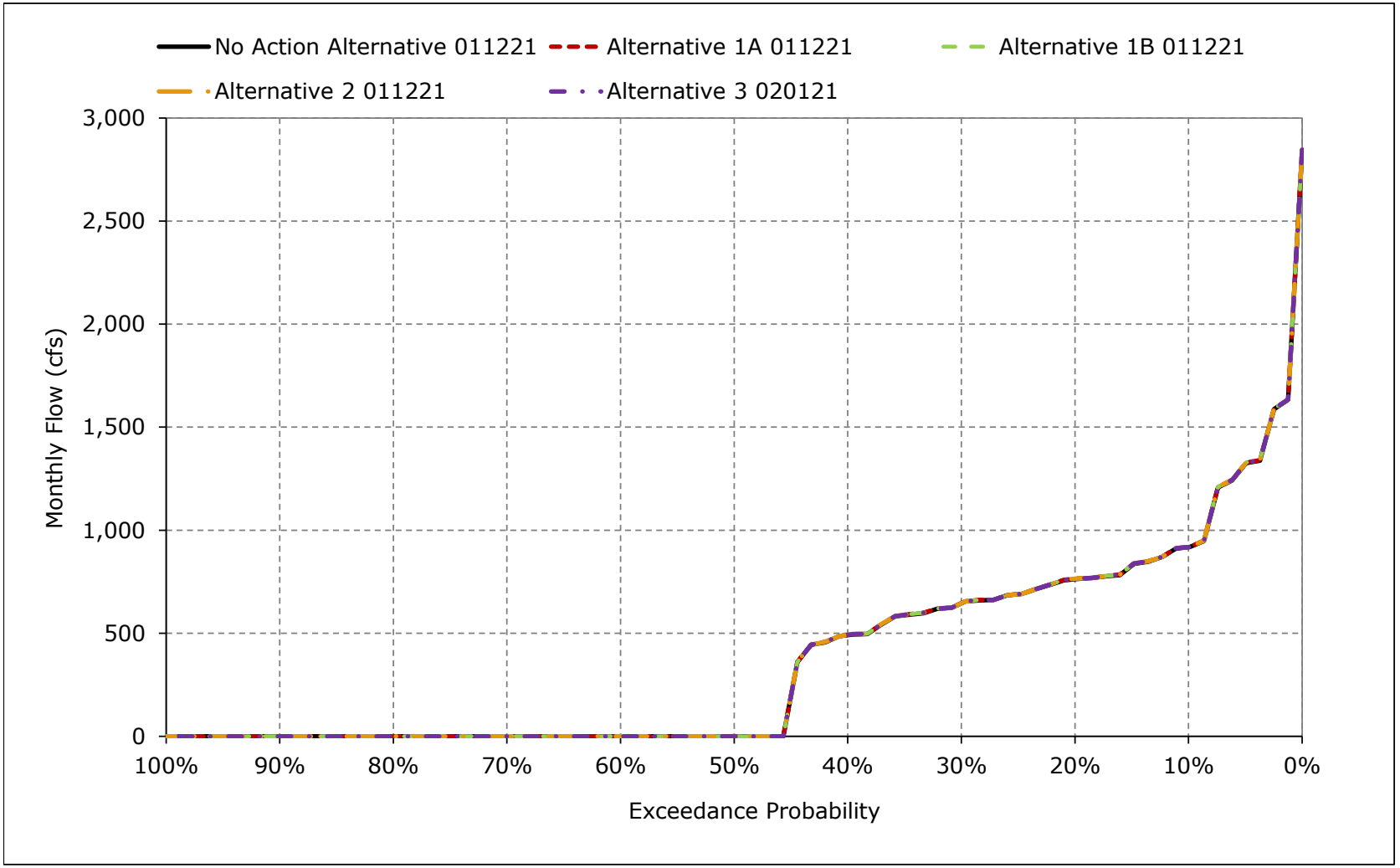


Figure 5B2-15-12. Colusa Basin Drain above Dunnigan Pipeline, March

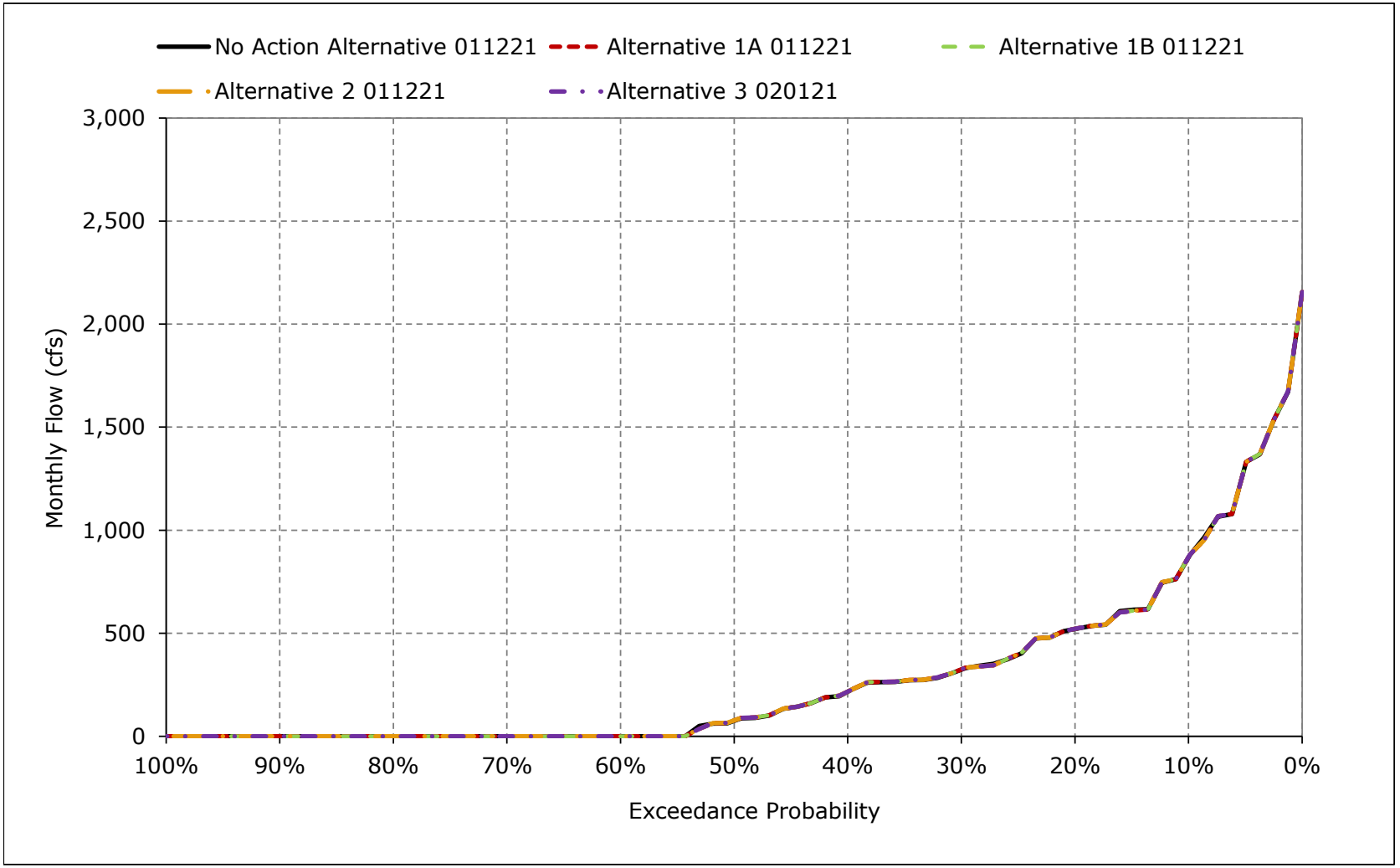


Figure 5B2-15-13. Colusa Basin Drain above Dunnigan Pipeline, April

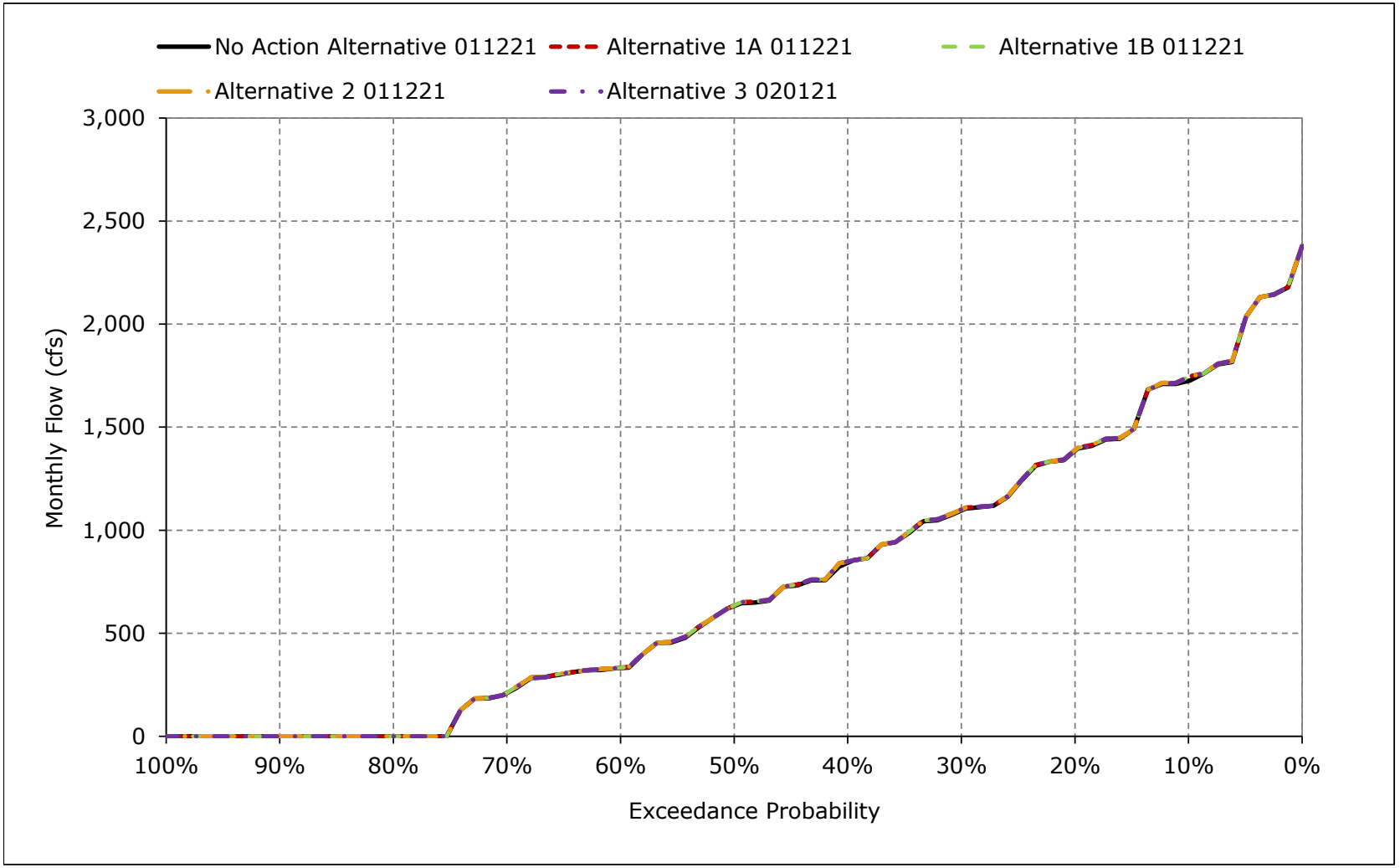


Figure 5B2-15-14. Colusa Basin Drain above Dunnigan Pipeline, May

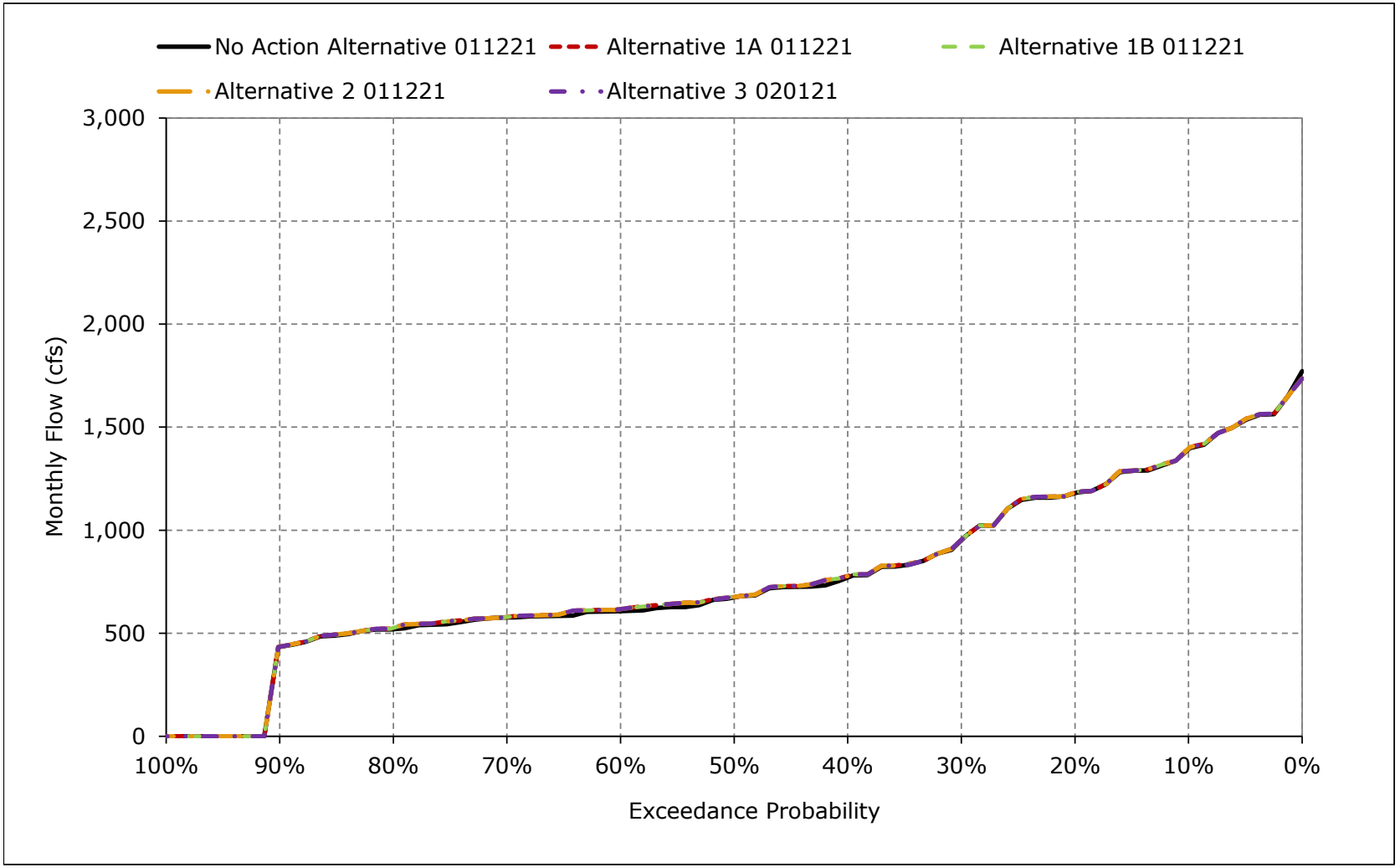


Figure 5B2-15-15. Colusa Basin Drain above Dunnigan Pipeline, June

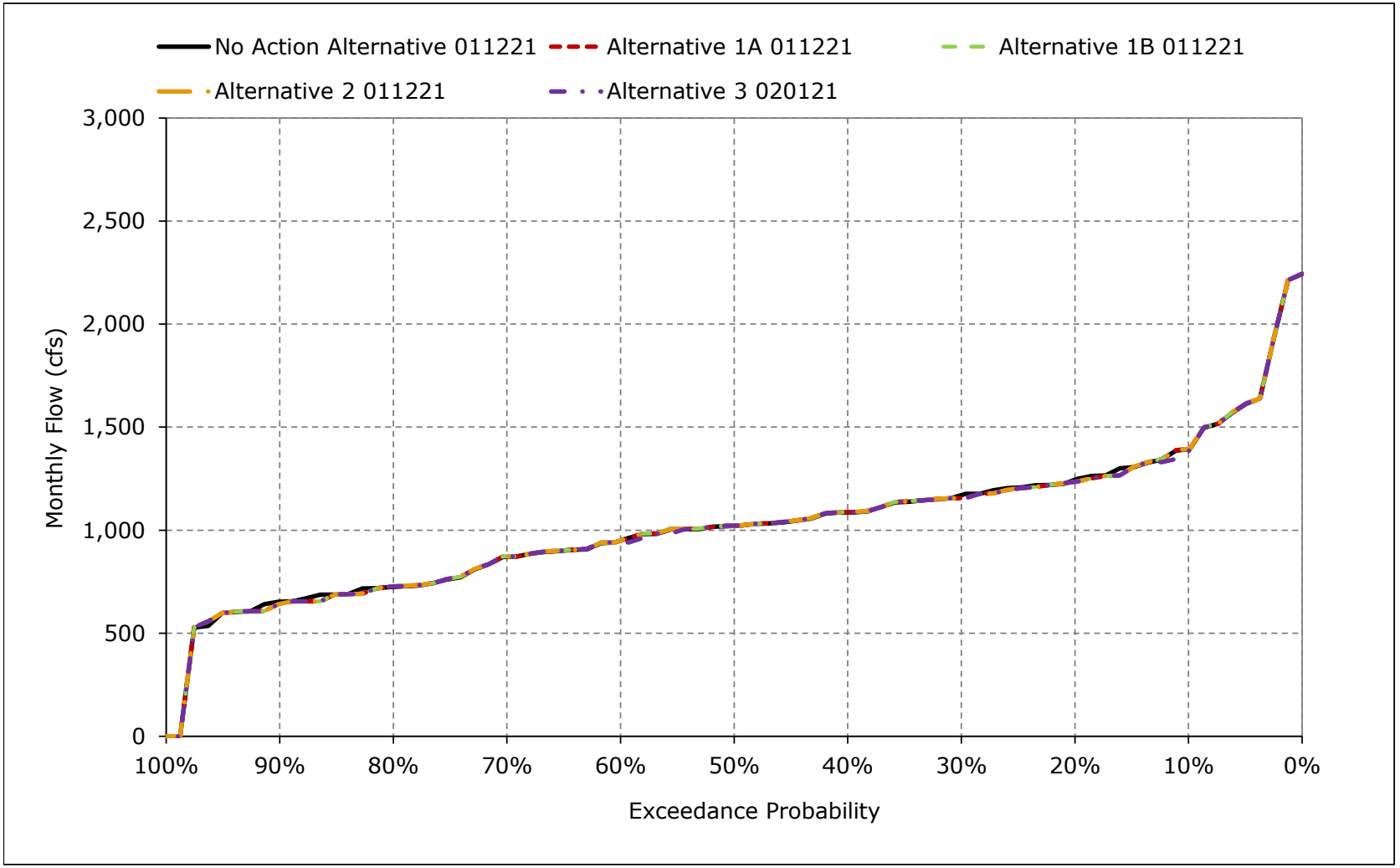


Figure 5B2-15-16. Colusa Basin Drain above Dunnigan Pipeline, July

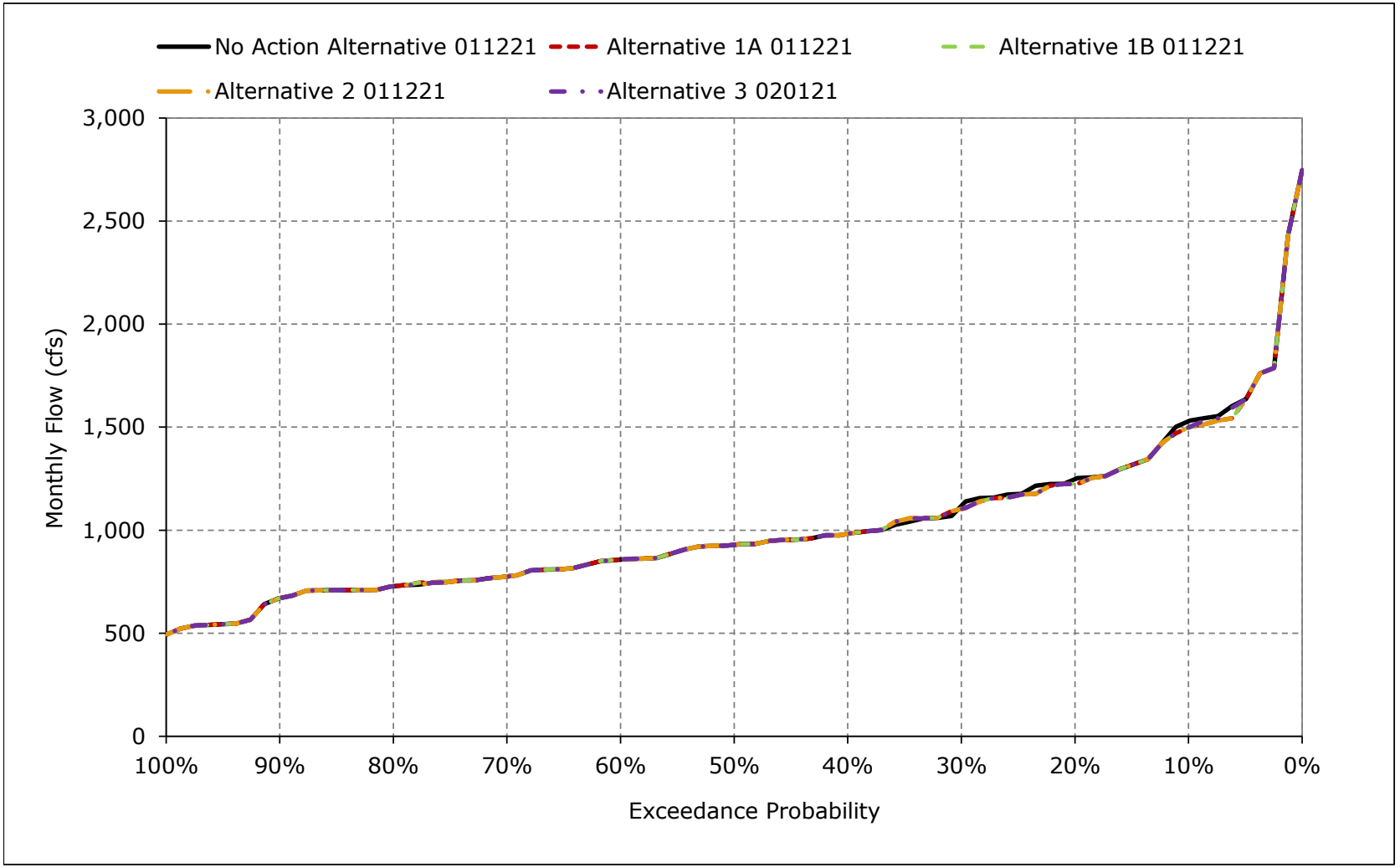


Figure 5B2-15-17. Colusa Basin Drain above Dunnigan Pipeline, August

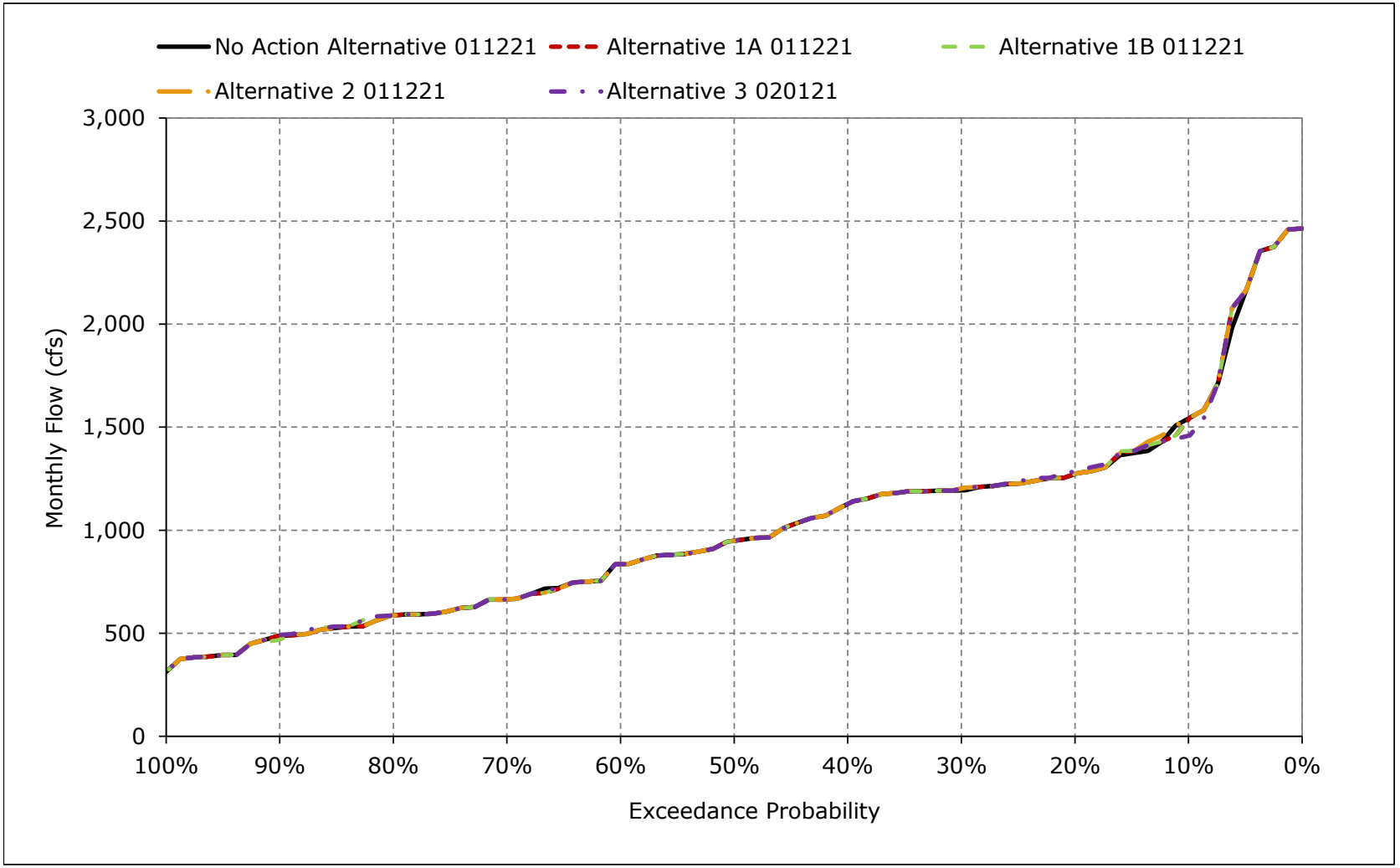


Figure 5B2-15-18. Colusa Basin Drain above Dunnigan Pipeline, September

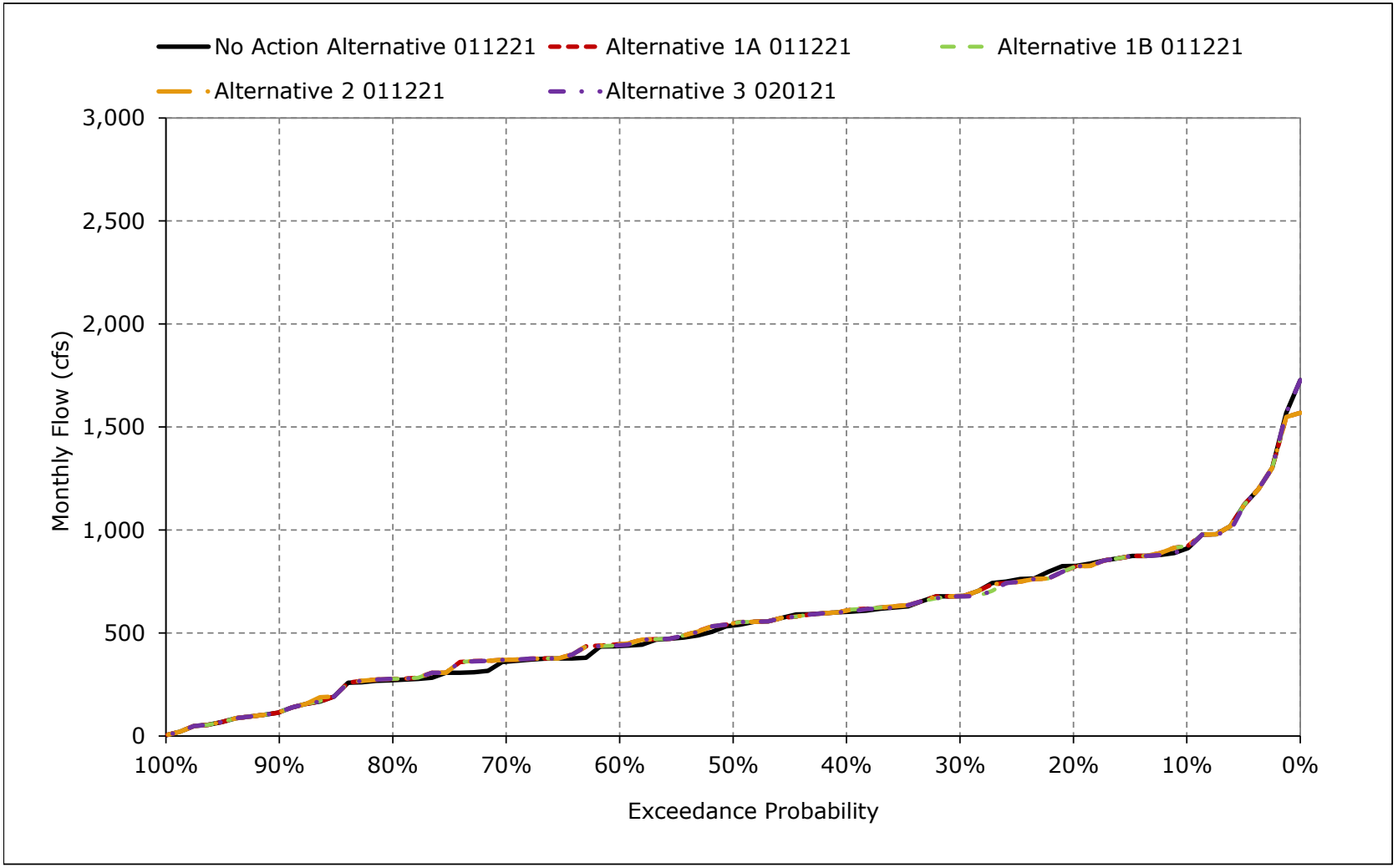


Table 5B2-16-1a. Colusa Basin Drain below Dunnigan Pipeline, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-16-1b. Colusa Basin Drain below 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%	591	1,065	1,098	914	918	870	1,759	1,519	2,088	2,108	2,074	1,380
20%	135	934	845	629	765	521	1,431	1,314	1,713	1,850	1,724	1,159
30%	61	537	718	474	645	325	1,116	1,164	1,515	1,710	1,509	979
40%	17	343	489	364	492	217	861	834	1,293	1,547	1,381	858
50%	0	273	385	222	0	77	652	729	1,167	1,359	1,234	643
60%	0	205	290	0	0	0	384	644	1,048	1,117	1,161	586
70%	0	24	106	0	0	0	212	596	990	991	964	493
80%	0	21	0	0	0	0	0	559	876	894	818	362
90%	0	15	0	0	0	0	0	437	662	756	592	140
Long Term												
Full Simulation Period[a]	136	403	474	354	384	289	767	869	1,297	1,400	1,287	771
Water Year Types[b,c]												
Wet (32%)	3	313	457	261	128	113	583	651	1,055	1,153	1,186	519
Above Normal (15%)	88	274	511	189	101	156	701	823	1,082	964	1,124	672
Below Normal (17%)	89	500	284	323	433	477	600	894	1,158	1,468	1,370	666
Dry (22%)	333	693	433	587	719	308	909	1,028	1,922	2,042	1,590	1,210
Critical (15%)	229	181	756	407	664	559	1,215	1,120	1,262	1,331	1,118	877

Table 5B2-16-1c. Colusa Basin Drain below 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%	519	272	-48	10	0	2	35	126	695	579	532	470
20%	125	477	13	-2	2	1	46	134	468	603	451	334
30%	61	231	78	9	0	1	19	212	345	592	316	299
40%	17	110	11	17	1	1	18	63	206	565	254	255
50%	0	83	12	5	0	2	19	55	146	430	285	107
60%	0	97	22	0	0	0	52	37	99	260	326	149
70%	0	4	63	0	0	0	1	19	120	216	299	132
80%	0	3	0	0	0	0	0	39	150	166	231	91
90%	0	1	0	0	0	0	0	4	10	85	105	24
Long Term												
Full Simulation Period[a]	112	132	17	4	1	0	31	92	269	388	277	220
Water Year Types[b,c]												
Wet (32%)	0	17	23	3	0	1	1	7	-4	-4	0	-1
Above Normal (15%)	0	2	3	0	0	0	1	-4	-4	3	0	0
Below Normal (17%)	70	183	15	7	1	-1	2	5	110	501	486	204
Dry (22%)	321	367	32	6	1	0	61	116	795	970	608	557
Critical (15%)	204	102	-3	4	2	1	111	436	532	615	416	435

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 5B2-16-2a. Colusa Basin Drain below 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-16-2b. Colusa Basin Drain below 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%	547	1,042	1,098	914	918	870	1,815	1,539	2,109	2,059	2,033	1,407
20%	118	755	904	641	766	542	1,443	1,331	1,808	1,850	1,724	1,113
30%	43	537	743	492	662	325	1,180	1,164	1,617	1,708	1,542	913
40%	3	418	590	364	492	217	958	846	1,376	1,530	1,370	835
50%	0	317	424	222	0	90	670	729	1,224	1,360	1,215	626
60%	0	236	316	0	0	0	453	644	1,143	1,135	1,154	562
70%	0	65	211	0	0	0	255	593	1,026	988	964	451
80%	0	21	0	0	0	0	0	559	912	857	835	335
90%	0	15	0	0	0	0	0	437	663	756	592	140
Long Term												
Full Simulation Period[a]	130	411	507	359	389	296	799	882	1,340	1,395	1,286	743
Water Year Types[b,c]												
Wet (32%)	3	390	544	261	131	117	583	651	1,054	1,153	1,187	519
Above Normal (15%)	91	267	511	189	101	156	701	823	1,323	961	1,124	672
Below Normal (17%)	65	501	291	338	438	477	608	894	1,246	1,452	1,359	603
Dry (22%)	374	624	440	587	734	323	1,035	1,095	1,893	2,027	1,580	1,172
Critical (15%)	152	179	774	421	664	572	1,230	1,105	1,254	1,337	1,136	821

Table 5B2-16-2c. Colusa Basin Drain below 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%	475	249	-48	10	0	2	91	146	716	530	491	498
20%	108	298	73	11	4	22	58	151	563	603	451	288
30%	43	231	103	27	17	1	84	212	447	590	348	233
40%	3	184	112	17	1	1	115	76	289	547	243	232
50%	0	126	51	5	0	15	38	55	203	430	267	90
60%	0	129	48	0	0	0	121	37	194	277	319	126
70%	0	45	168	0	0	0	44	16	155	213	299	90
80%	0	3	0	0	0	0	0	39	187	130	248	65
90%	0	1	0	0	0	0	0	4	10	85	105	24
Long Term												
Full Simulation Period[a]	106	140	50	9	6	7	62	104	312	382	276	193
Water Year Types[b,c]												
Wet (32%)	0	93	110	3	3	5	1	7	-4	-5	1	-1
Above Normal (15%)	3	-6	3	0	0	0	1	-4	237	1	0	0
Below Normal (17%)	46	184	21	22	6	-1	11	5	198	485	475	141
Dry (22%)	362	298	40	6	16	15	187	183	766	956	598	519
Critical (15%)	127	99	15	19	2	15	126	421	523	621	435	379

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 5B2-16-3a. Colusa Basin Drain below 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-16-3b. Colusa Basin Drain below 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%	46	793	1,099	914	918	870	1,743	1,397	1,395	1,499	1,542	923
20%	8	458	845	629	765	521	1,388	1,183	1,235	1,225	1,273	819
30%	0	308	663	474	645	325	1,101	953	1,155	1,103	1,202	680
40%	0	244	489	352	492	217	849	778	1,088	983	1,127	609
50%	0	211	385	222	0	77	635	676	1,022	929	948	547
60%	0	116	289	0	0	0	333	617	949	857	835	446
70%	0	23	45	0	0	0	212	579	872	775	664	370
80%	0	21	0	0	0	0	0	526	727	728	587	278
90%	0	16	0	0	0	0	0	434	642	670	487	115
Long Term												
Full Simulation Period[a]	23	278	463	354	384	289	739	781	1,026	1,009	1,012	553
Water Year Types[b,c]												
Wet (32%)	3	296	442	261	128	112	583	651	1,055	1,153	1,190	519
Above Normal (15%)	88	274	509	189	101	156	701	823	1,082	960	1,124	672
Below Normal (17%)	20	348	279	322	433	477	600	894	1,045	957	890	494
Dry (22%)	8	329	409	587	719	308	852	916	1,129	1,071	981	638
Critical (15%)	25	83	754	407	664	559	1,107	688	733	716	702	450

Table 5B2-16-3c. Colusa Basin Drain below 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%	-26	0	-47	10	0	2	19	4	2	-30	0	13
20%	-2	1	13	-2	2	1	3	3	-10	-22	0	-6
30%	0	1	23	9	0	1	4	1	-15	-15	9	0
40%	0	10	11	5	1	1	6	7	1	0	0	6
50%	0	20	13	5	0	2	2	2	1	0	0	10
60%	0	8	21	0	0	0	1	10	0	0	0	9
70%	0	3	2	0	0	0	1	2	1	0	0	9
80%	0	3	0	0	0	0	0	6	2	0	0	7
90%	0	2	0	0	0	0	0	0	-10	0	0	0
Long Term												
Full Simulation Period[a]	-1	7	6	4	1	0	2	4	-2	-3	2	3
Water Year Types[b,c]												
Wet (32%)	0	0	9	3	0	0	1	7	-4	-4	4	-1
Above Normal (15%)	0	1	1	0	0	0	1	-4	-4	0	0	0
Below Normal (17%)	1	31	10	5	1	-1	2	5	-3	-11	7	31
Dry (22%)	-4	4	9	6	1	0	4	5	1	0	-1	-15
Critical (15%)	0	3	-6	4	2	1	3	4	3	0	0	9

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 5B2-16-4a. Colusa Basin Drain below 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%	72	793	1,146	904	918	868	1,724	1,393	1,393	1,529	1,542	909
20%	10	457	832	630	763	520	1,385	1,179	1,245	1,247	1,273	825
30%	0	307	640	465	645	323	1,096	952	1,170	1,119	1,193	680
40%	0	234	478	347	491	216	842	771	1,087	983	1,127	603
50%	0	191	373	217	0	75	633	674	1,021	929	948	537
60%	0	107	268	0	0	0	331	607	949	857	835	437
70%	0	20	43	0	0	0	211	577	871	775	664	361
80%	0	18	0	0	0	0	0	520	725	728	587	271
90%	0	14	0	0	0	0	0	433	653	670	487	115
Long Term												
Full Simulation Period[a]	23	271	457	350	384	289	737	777	1,028	1,013	1,010	550
Water Year Types[b,c]												
Wet (32%)	3	297	434	258	128	112	582	644	1,058	1,157	1,186	520
Above Normal (15%)	88	272	508	189	101	155	700	827	1,086	960	1,124	671
Below Normal (17%)	19	317	269	317	432	478	598	889	1,048	968	884	463
Dry (22%)	12	326	401	581	718	308	848	912	1,127	1,071	982	653
Critical (15%)	25	79	760	403	662	557	1,104	684	730	716	702	441

Table 5B2-16-4b. Colusa Basin Drain below 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%	612	953	1,098	914	919	949	1,836	1,566	2,122	2,134	2,138	1,255
20%	87	713	845	633	776	541	1,443	1,334	1,789	1,862	1,743	1,033
30%	20	484	726	475	660	325	1,163	1,164	1,580	1,731	1,513	874
40%	0	343	498	352	492	250	911	983	1,341	1,583	1,315	812
50%	0	275	384	222	0	97	658	751	1,215	1,308	1,207	621
60%	0	210	297	0	0	0	453	649	1,149	1,135	1,088	546
70%	0	61	45	0	0	0	291	596	1,042	994	883	436
80%	0	21	0	0	0	0	0	557	940	879	719	335
90%	0	16	0	0	0	0	0	437	660	756	592	140
Long Term												
Full Simulation Period[a]	121	368	482	357	392	310	796	890	1,331	1,407	1,283	700
Water Year Types[b,c]												
Wet (32%)	3	377	544	261	132	117	583	651	1,052	1,156	1,186	519
Above Normal (15%)	183	267	434	189	101	156	701	823	1,395	968	1,312	722
Below Normal (17%)	83	450	290	321	452	477	608	894	1,327	1,563	1,308	582
Dry (22%)	291	491	381	586	719	345	1,007	1,147	1,785	2,008	1,517	1,087
Critical (15%)	105	166	774	429	685	636	1,255	1,084	1,197	1,309	1,081	626

Table 5B2-16-4c. Colusa Basin Drain below Dunnigan Pipeline, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

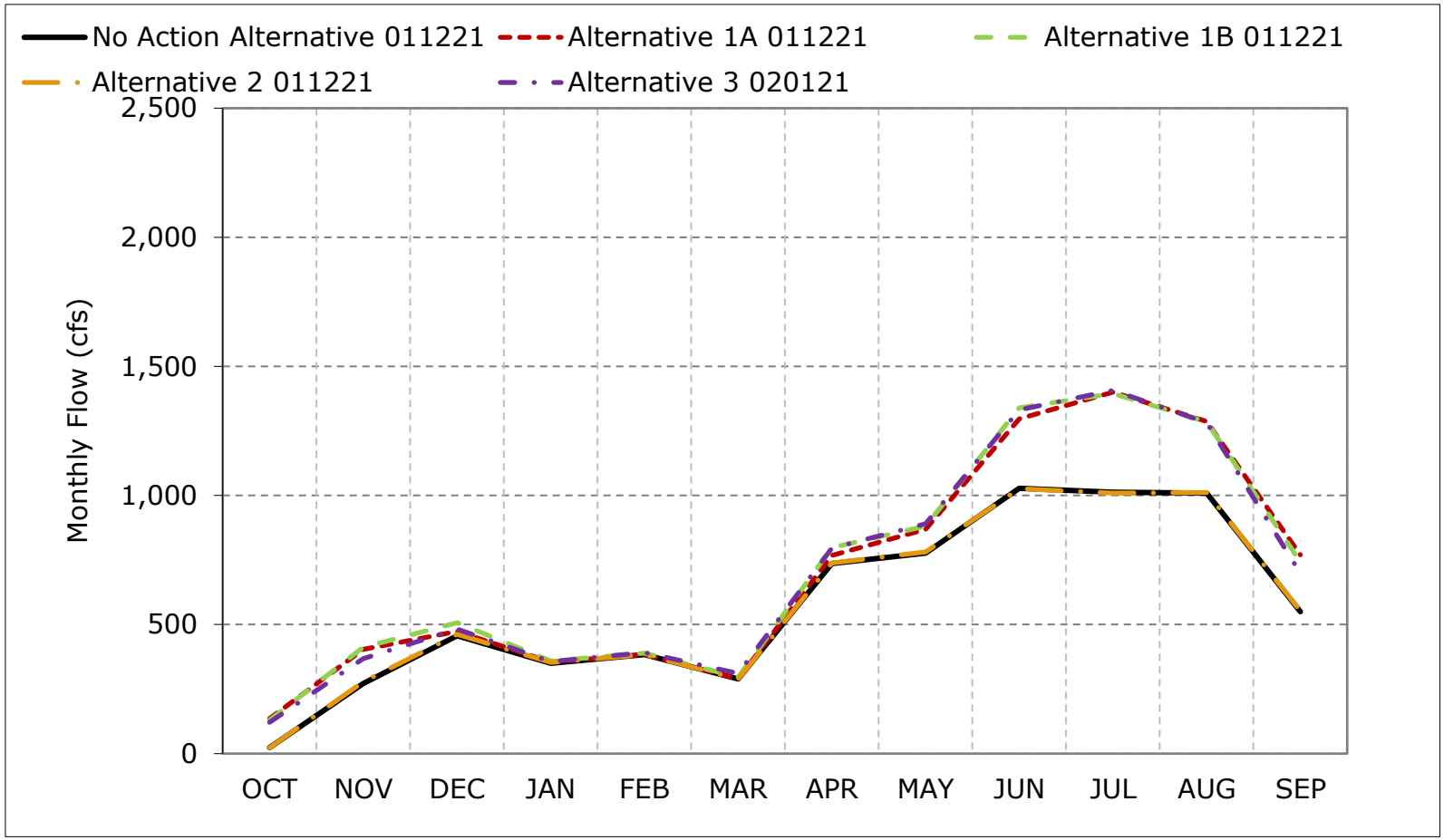
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	540	160	-48	10	1	82	112	173	729	606	596	345
20%	77	256	14	3	13	21	58	154	544	614	470	208
30%	20	177	86	9	14	1	66	212	410	613	319	194
40%	0	109	21	5	1	34	69	213	255	600	187	209
50%	0	84	12	5	0	22	25	77	194	378	259	84
60%	0	103	29	0	0	0	121	42	200	278	253	109
70%	0	41	2	0	0	0	80	19	171	218	218	75
80%	0	3	0	0	0	0	0	37	214	151	132	65
90%	0	2	0	0	0	0	0	4	8	85	104	24
Long Term												
Full Simulation Period[a]	98	96	25	7	8	21	59	113	303	395	273	150
Water Year Types[b,c]												
Wet (32%)	0	81	110	3	4	5	1	7	-6	-1	0	-1
Above Normal (15%)	95	-6	-74	0	0	0	1	-4	309	8	188	50
Below Normal (17%)	64	133	21	5	20	-1	11	5	279	595	424	119
Dry (22%)	279	166	-19	5	1	38	159	235	657	936	535	434
Critical (15%)	80	86	15	26	23	79	151	400	467	593	379	184

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).

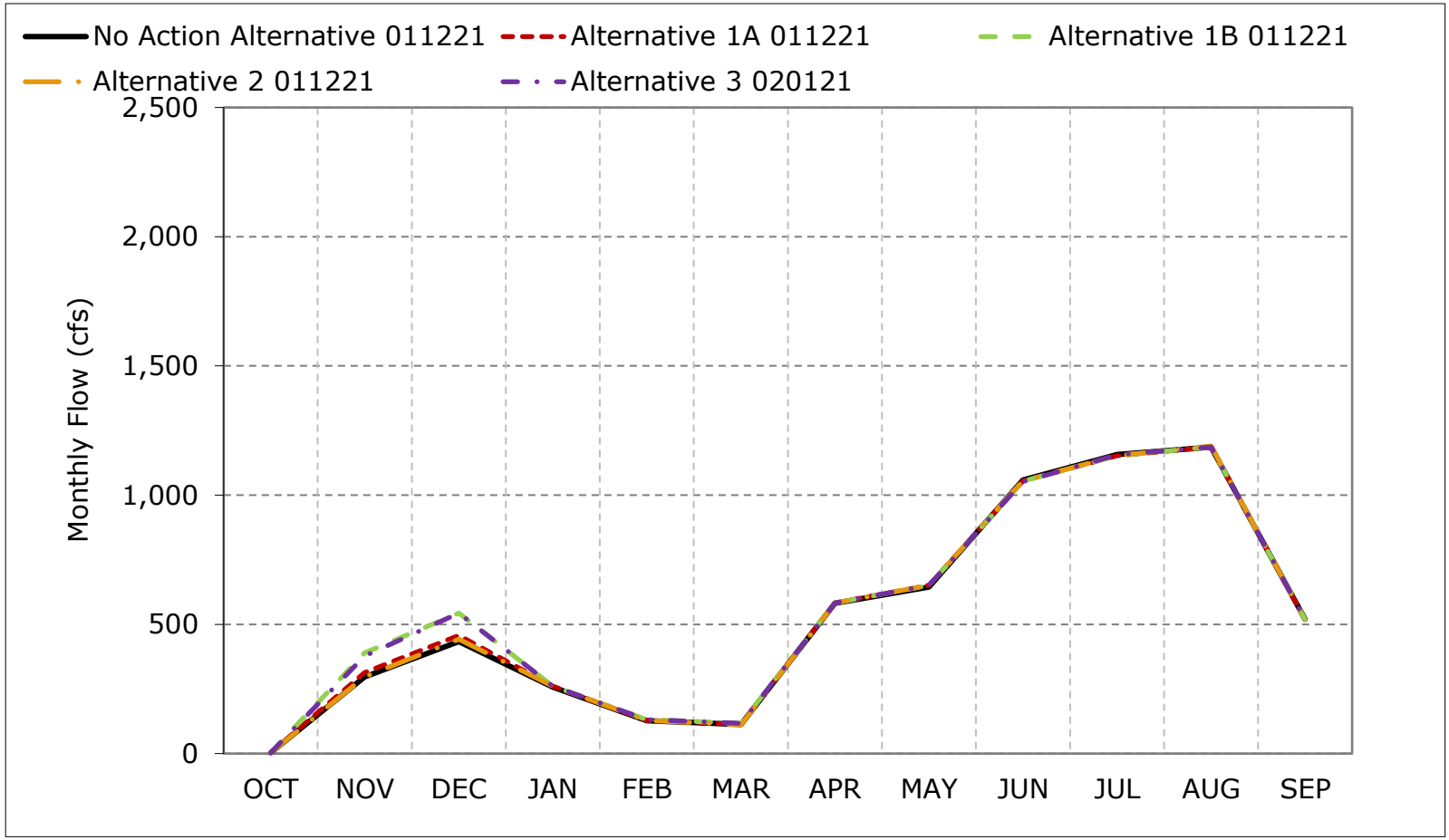
c These results are displayed with calendar year - year type sorting.

Figure 5B2-16-1. Colusa Basin Drain below Dunnigan Pipeline, Long-Term Average Flow



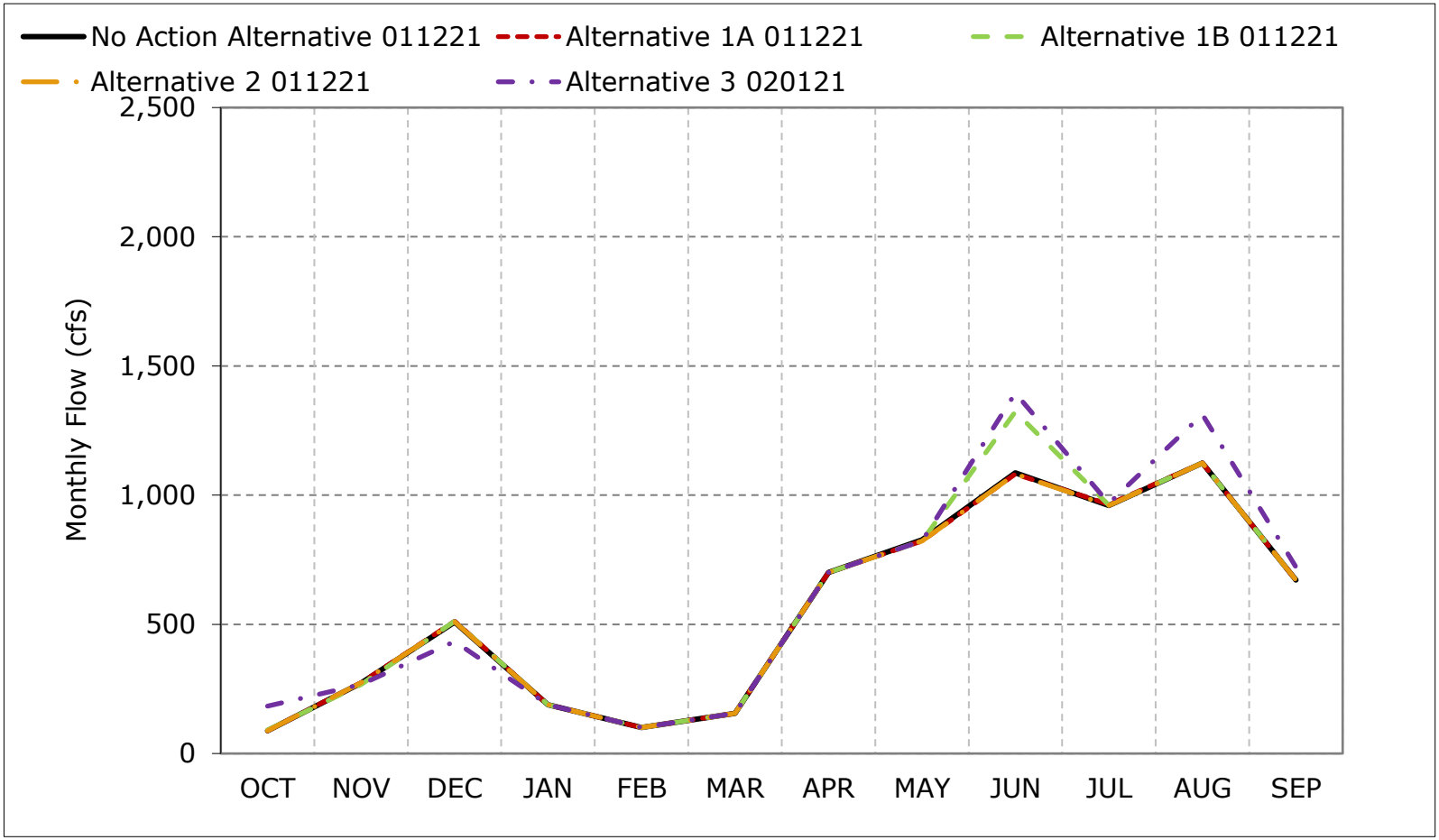
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-16-2. Colusa Basin Drain below Dunnigan Pipeline, Wet Year Average Flow



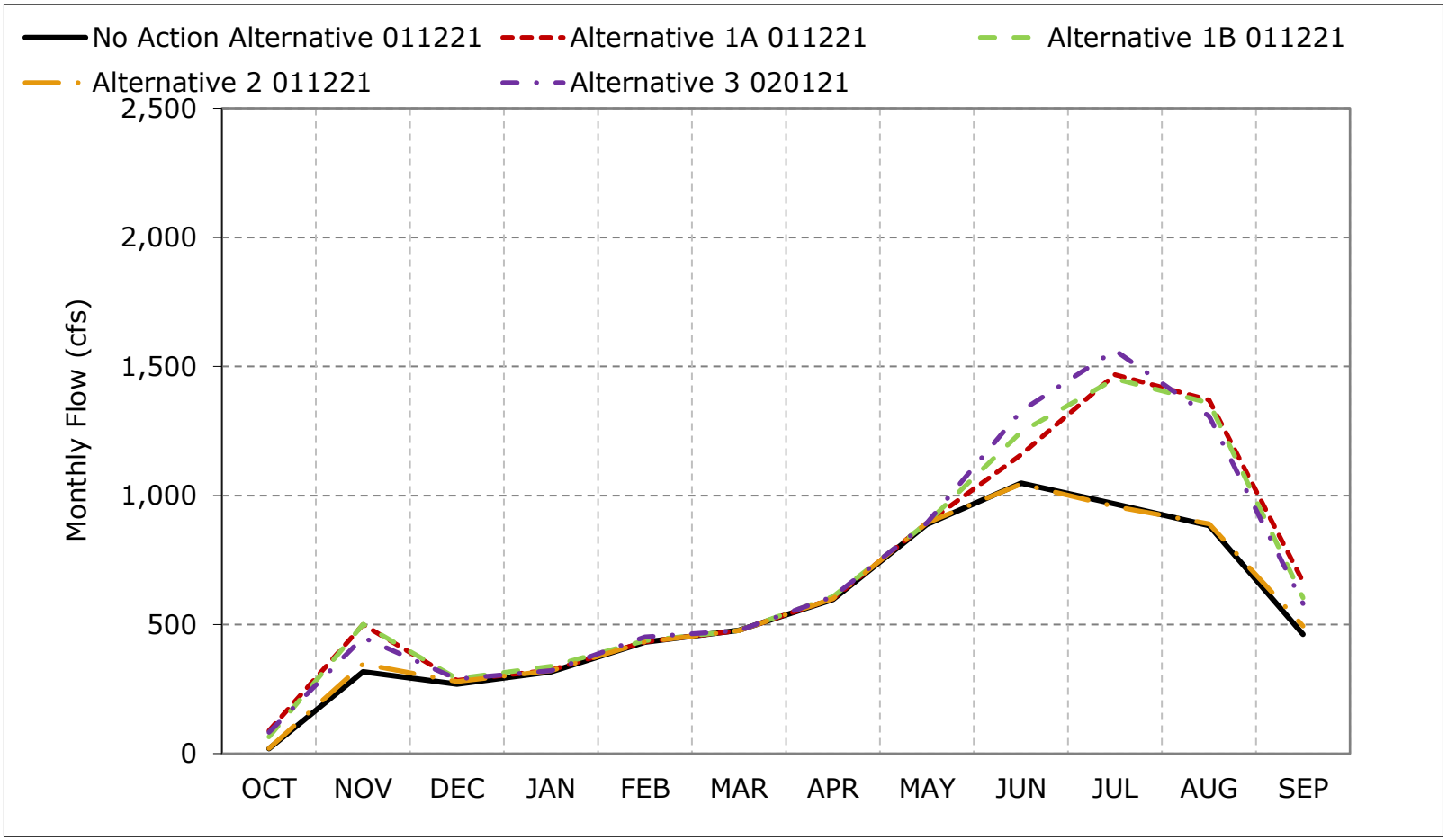
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-16-3. Colusa Basin Drain below Dunnigan Pipeline, Above Normal Year Average Flow



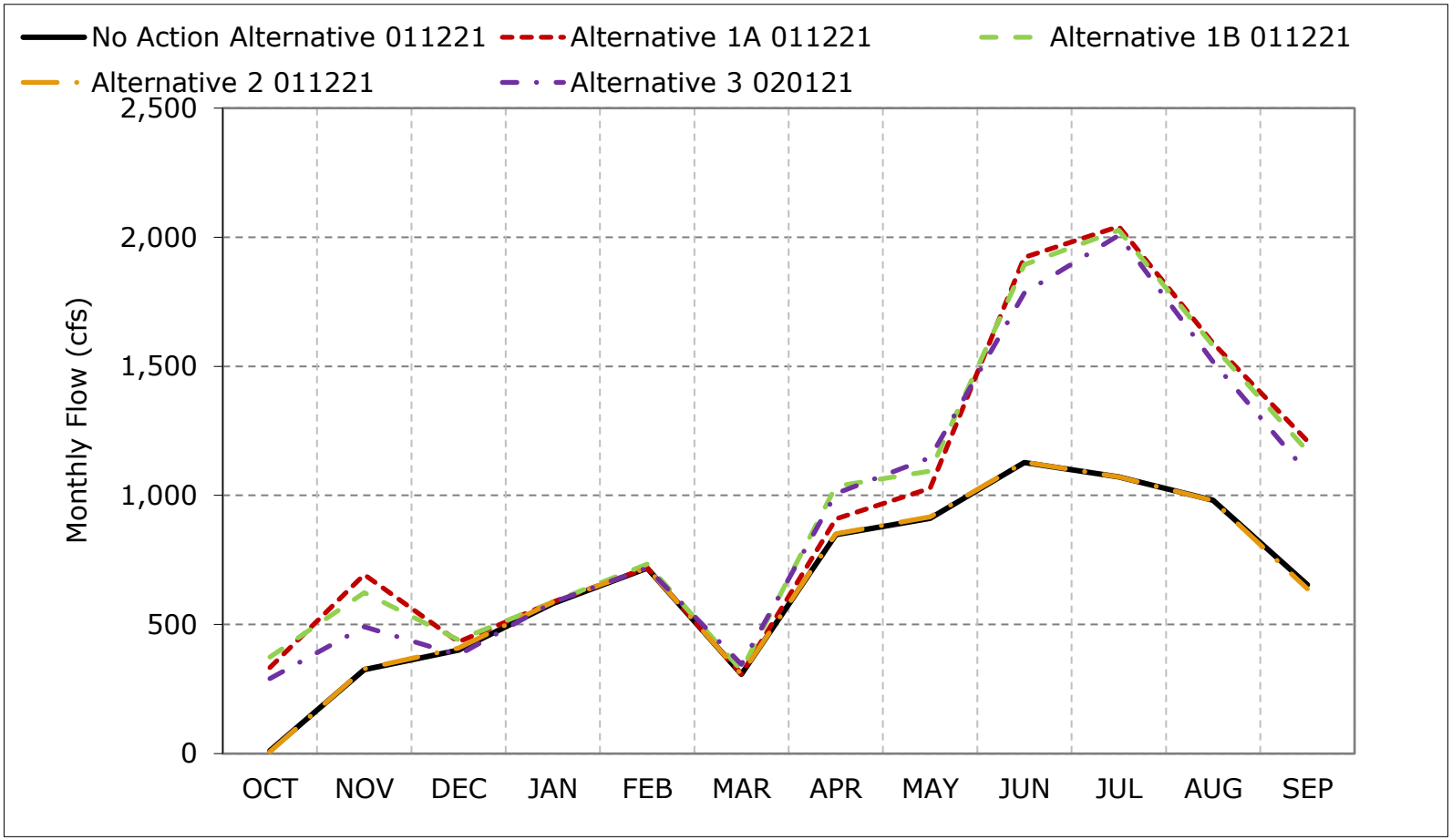
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-16-4. Colusa Basin Drain below Dunnigan Pipeline, Below Normal Year Average Flow



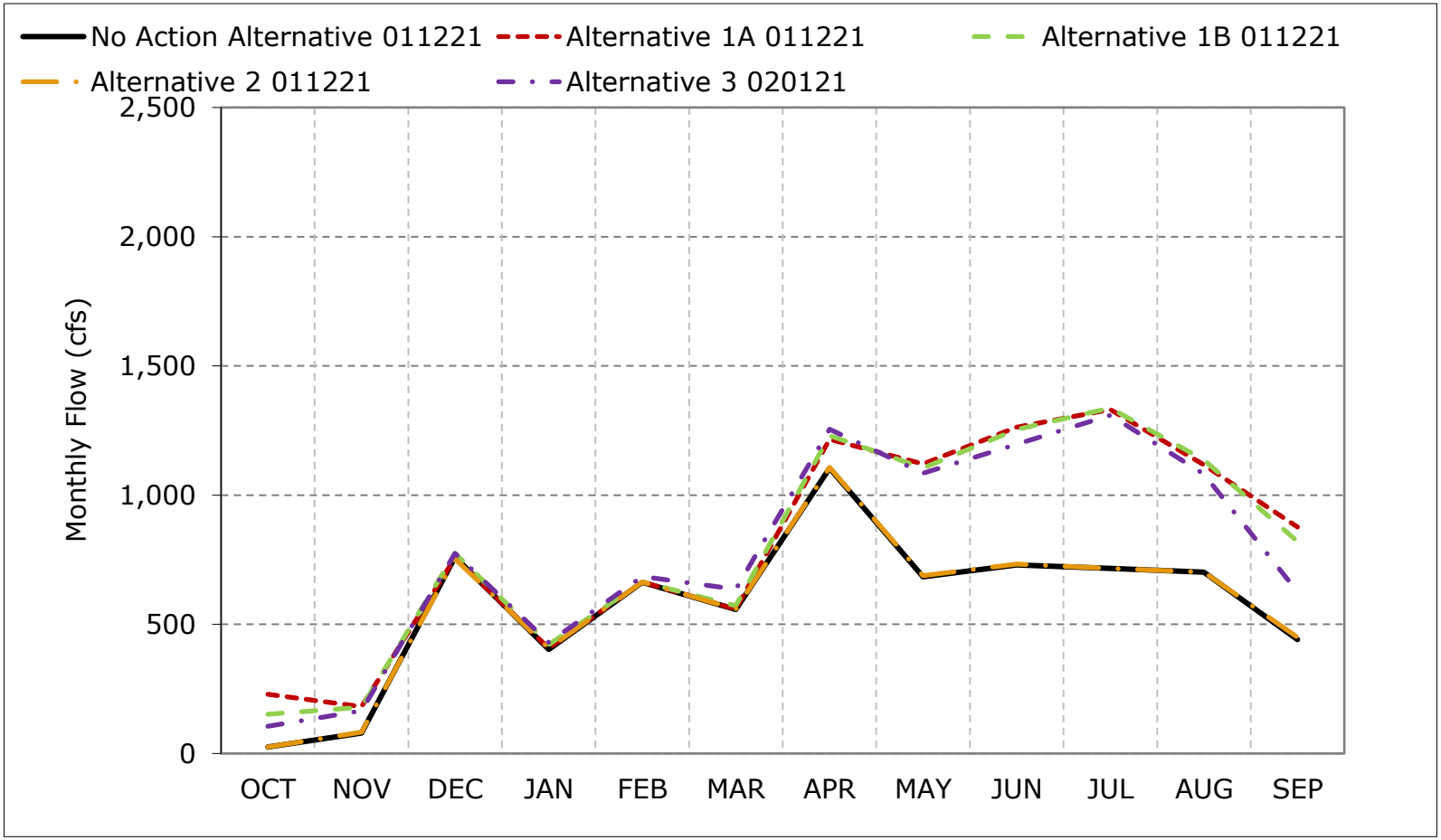
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-16-5. Colusa Basin Drain below 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 5B2-16-6. Colusa Basin Drain below 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 5B2-16-7. Colusa Basin Drain below Dunnigan Pipeline, October

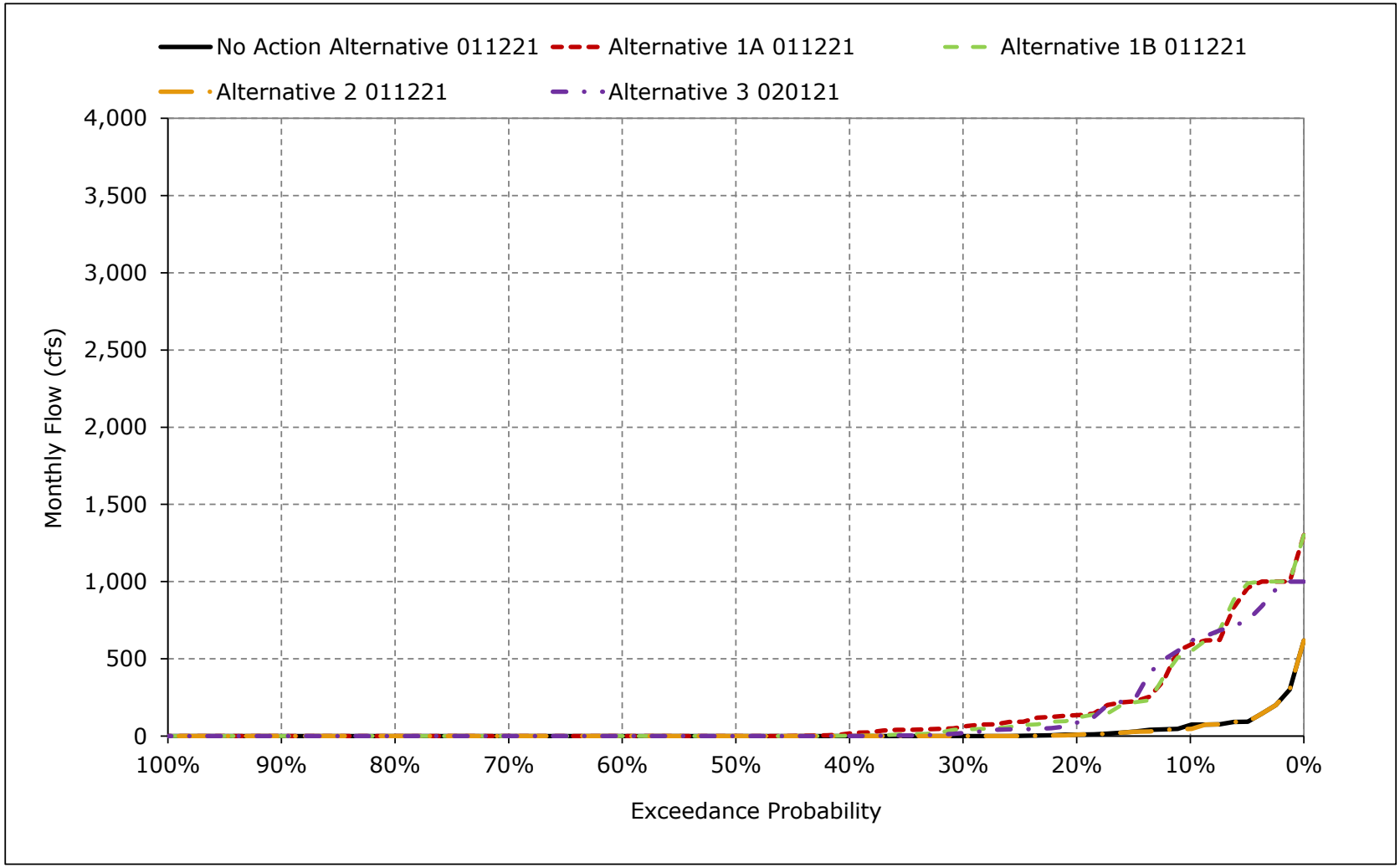


Figure 5B2-16-8. Colusa Basin Drain below Dunnigan Pipeline, November

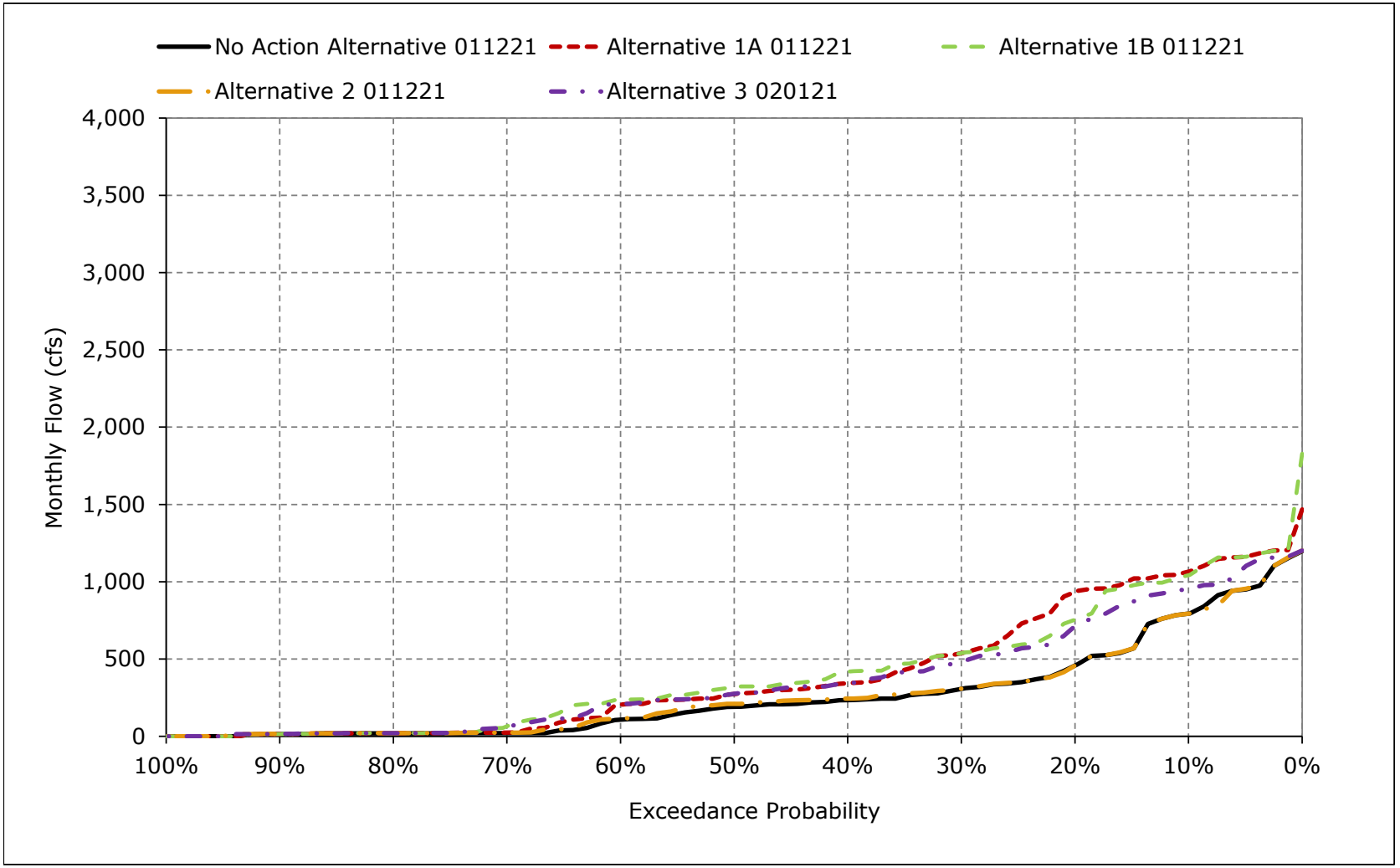


Figure 5B2-16-9. Colusa Basin Drain below Dunnigan Pipeline, December

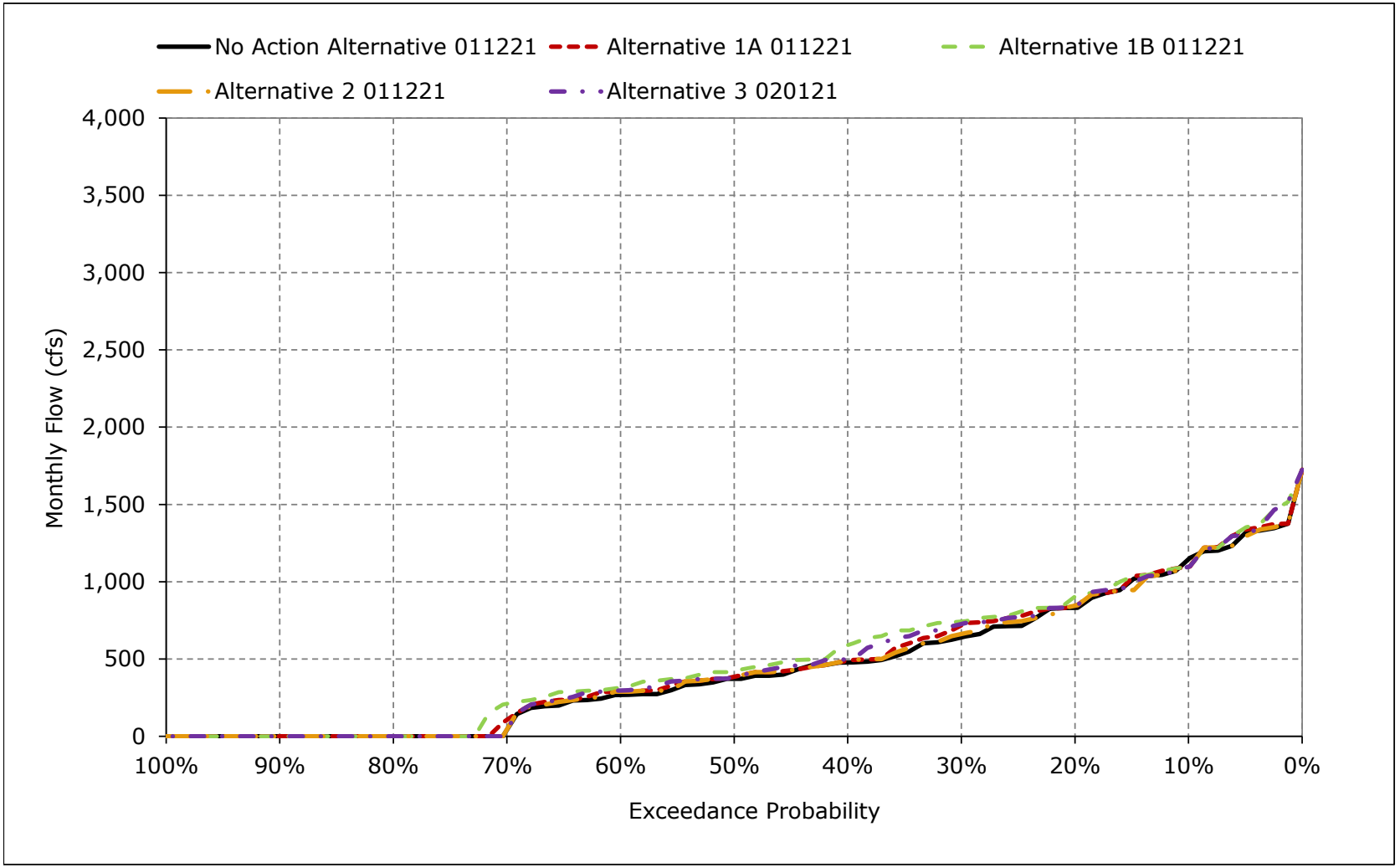


Figure 5B2-16-10. Colusa Basin Drain below Dunnigan Pipeline, January

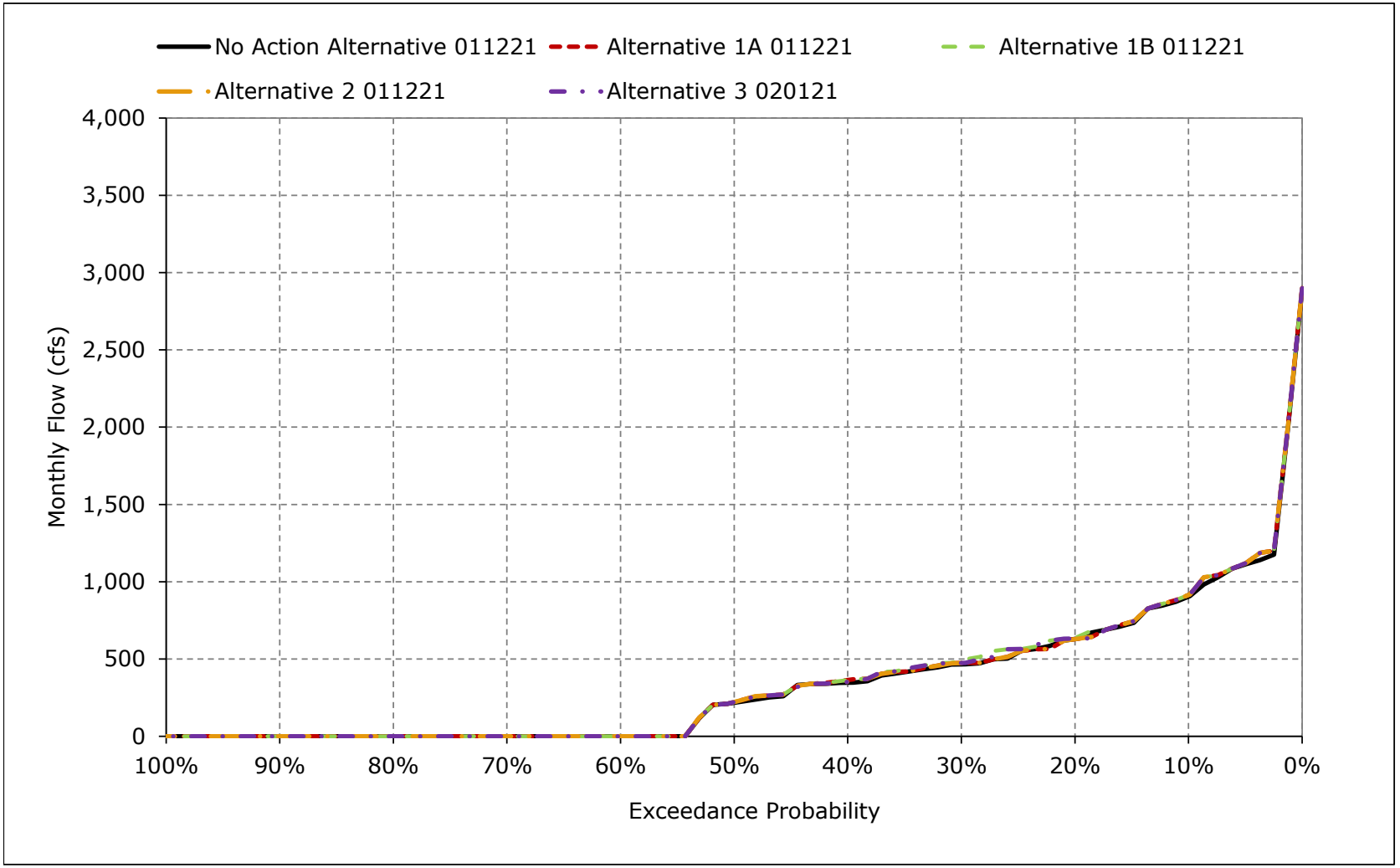


Figure 5B2-16-11. Colusa Basin Drain below Dunnigan Pipeline, February

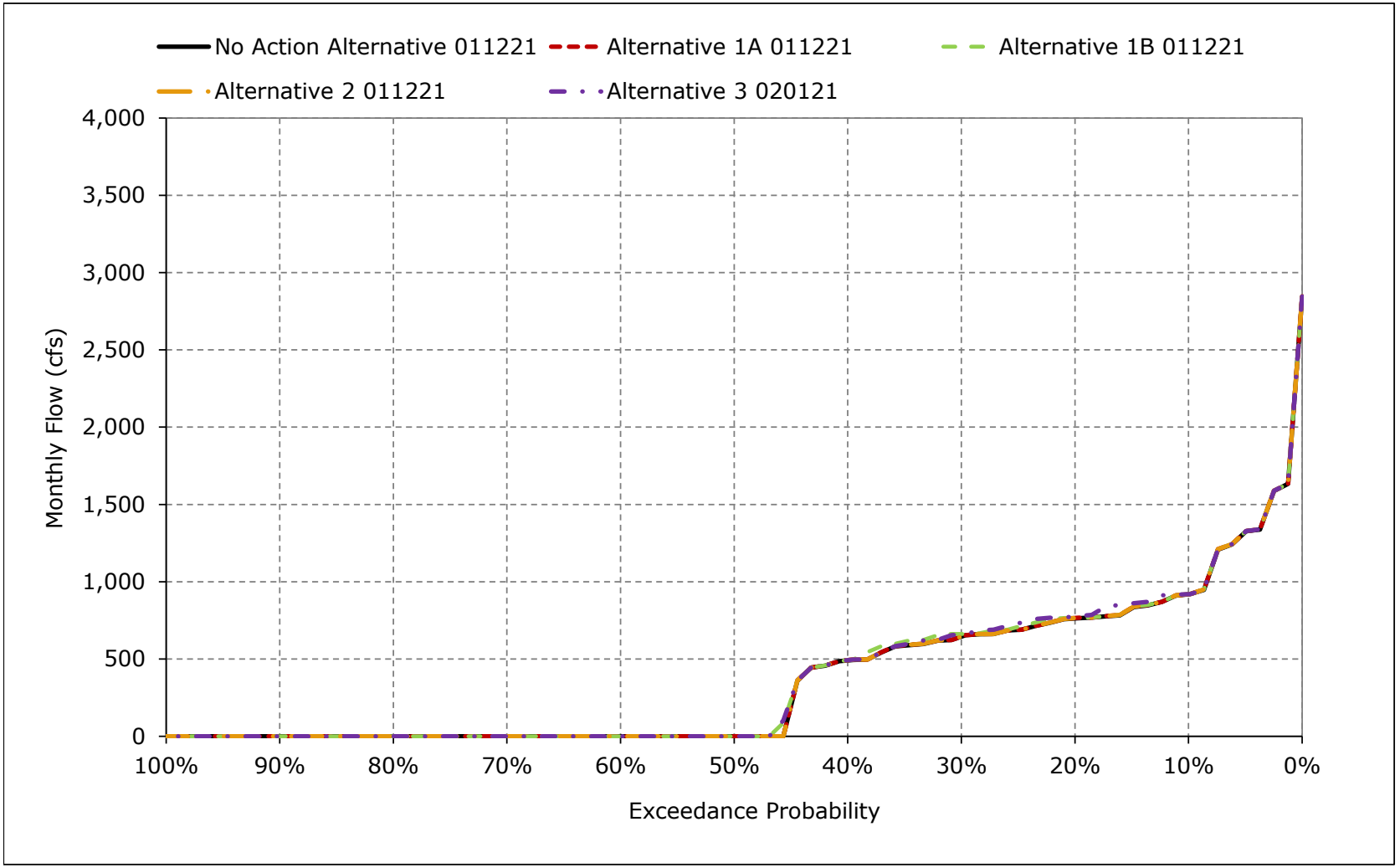


Figure 5B2-16-12. Colusa Basin Drain below Dunnigan Pipeline, March

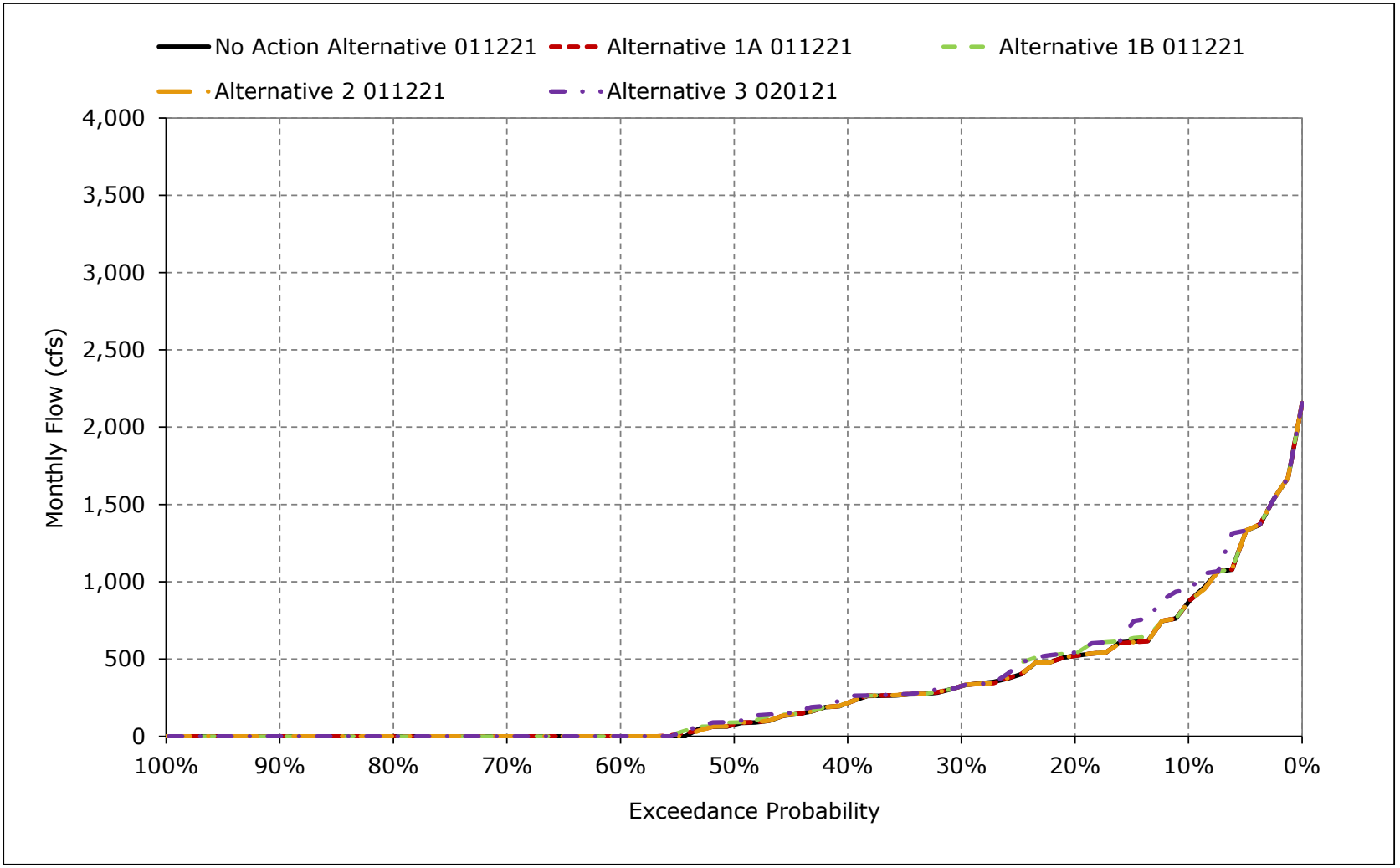


Figure 5B2-16-13. Colusa Basin Drain below Dunnigan Pipeline, April

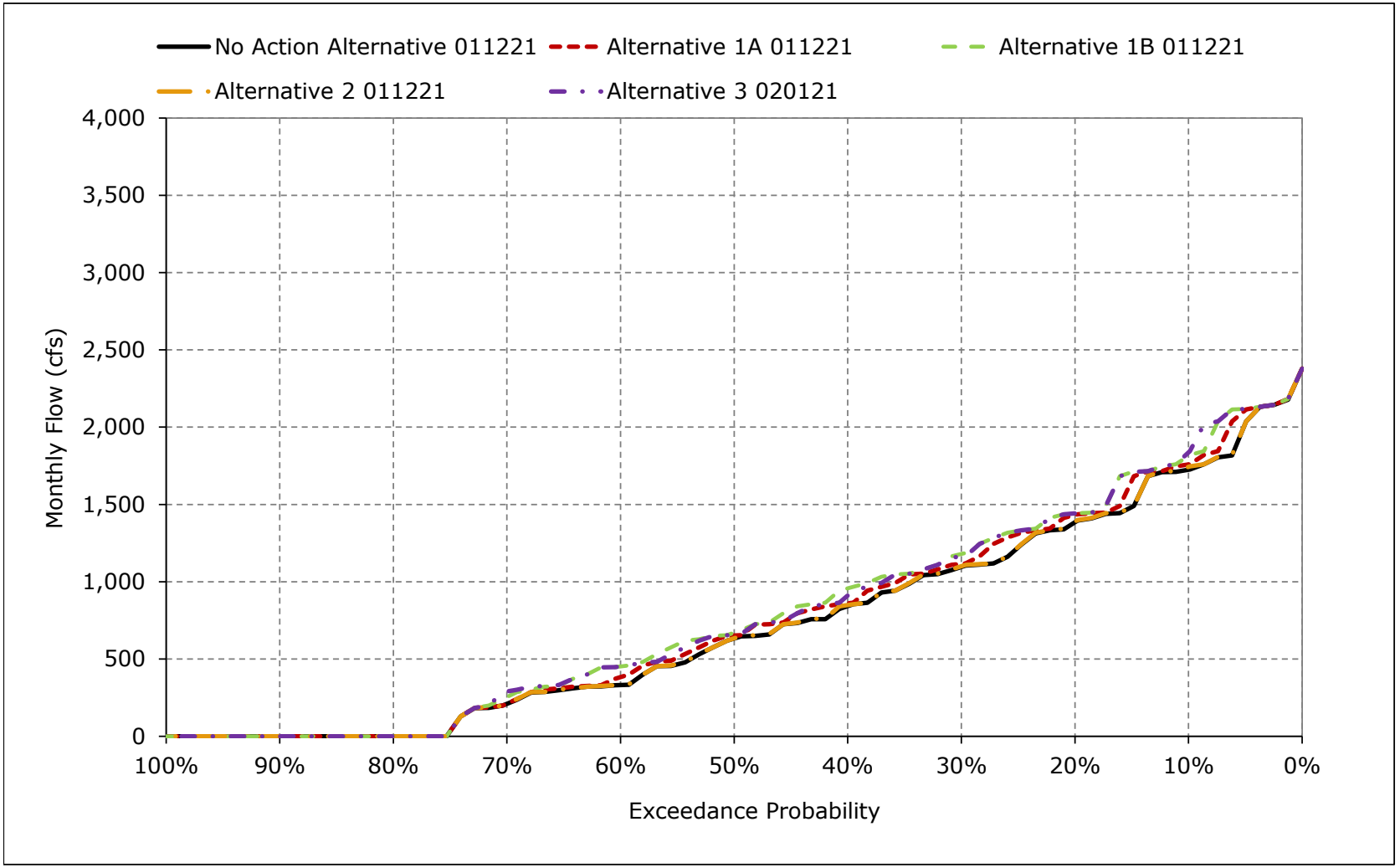


Figure 5B2-16-14. Colusa Basin Drain below Dunnigan Pipeline, May

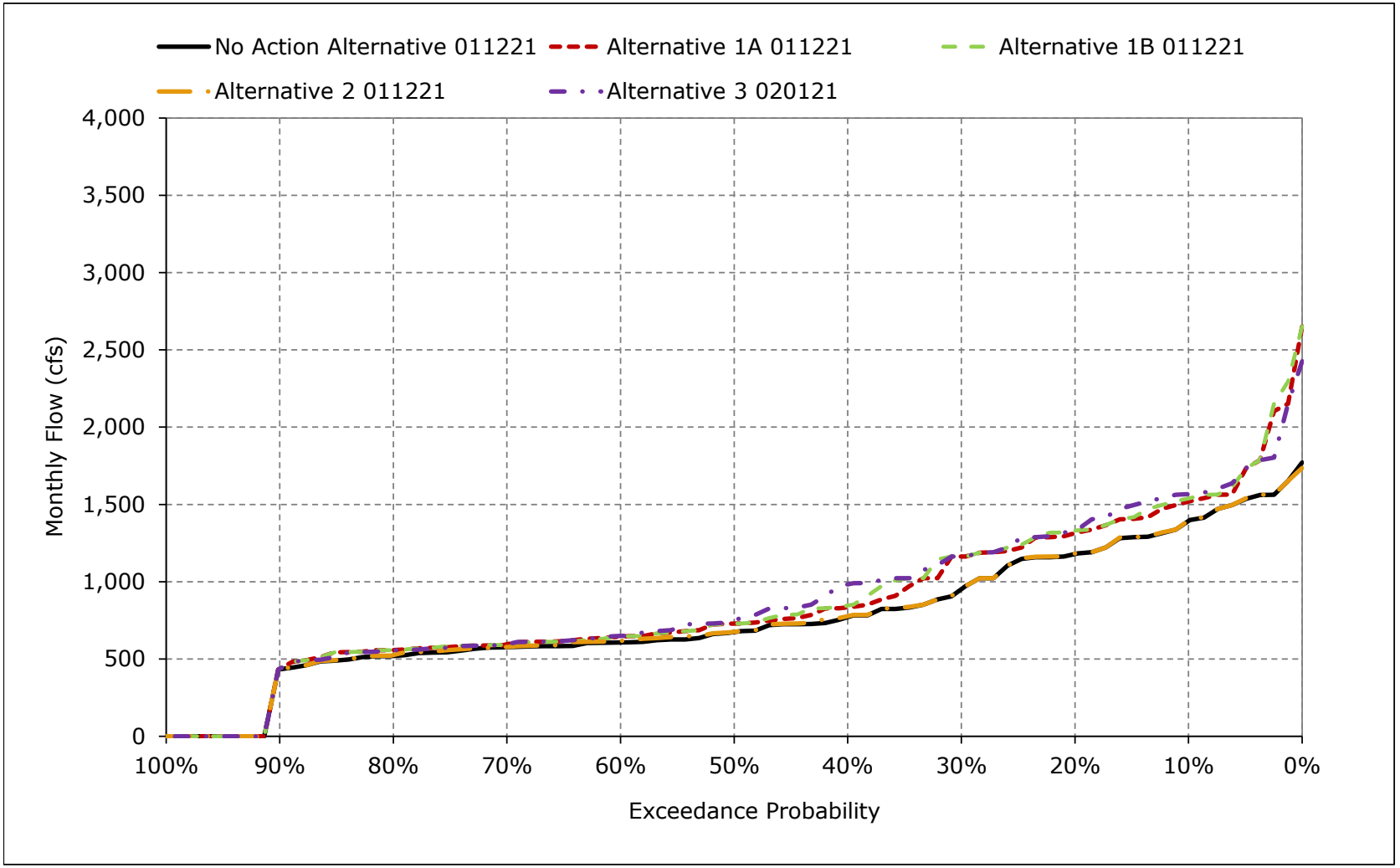


Figure 5B2-16-15. Colusa Basin Drain below Dunnigan Pipeline, June

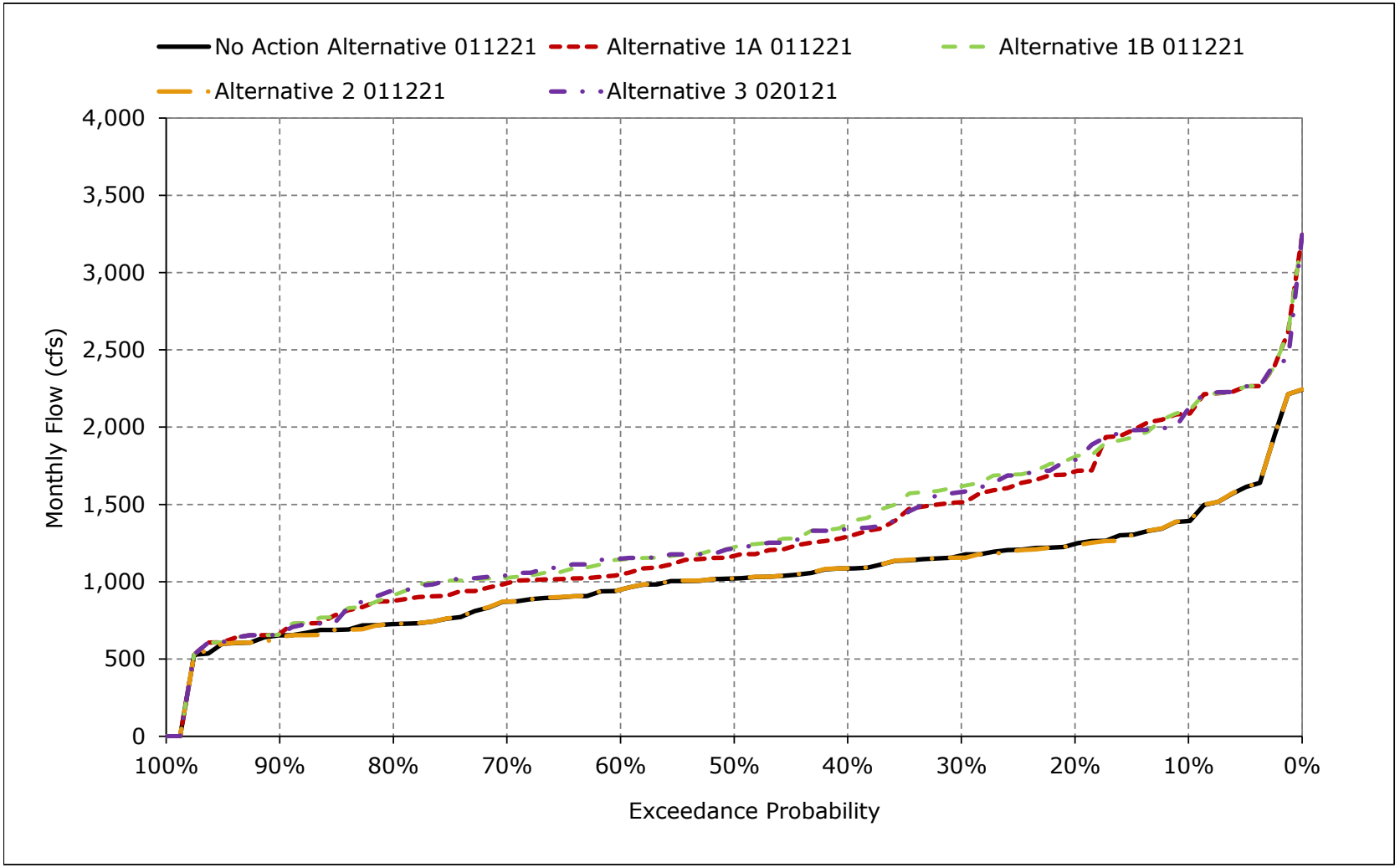


Figure 5B2-16-16. Colusa Basin Drain below Dunnigan Pipeline, July

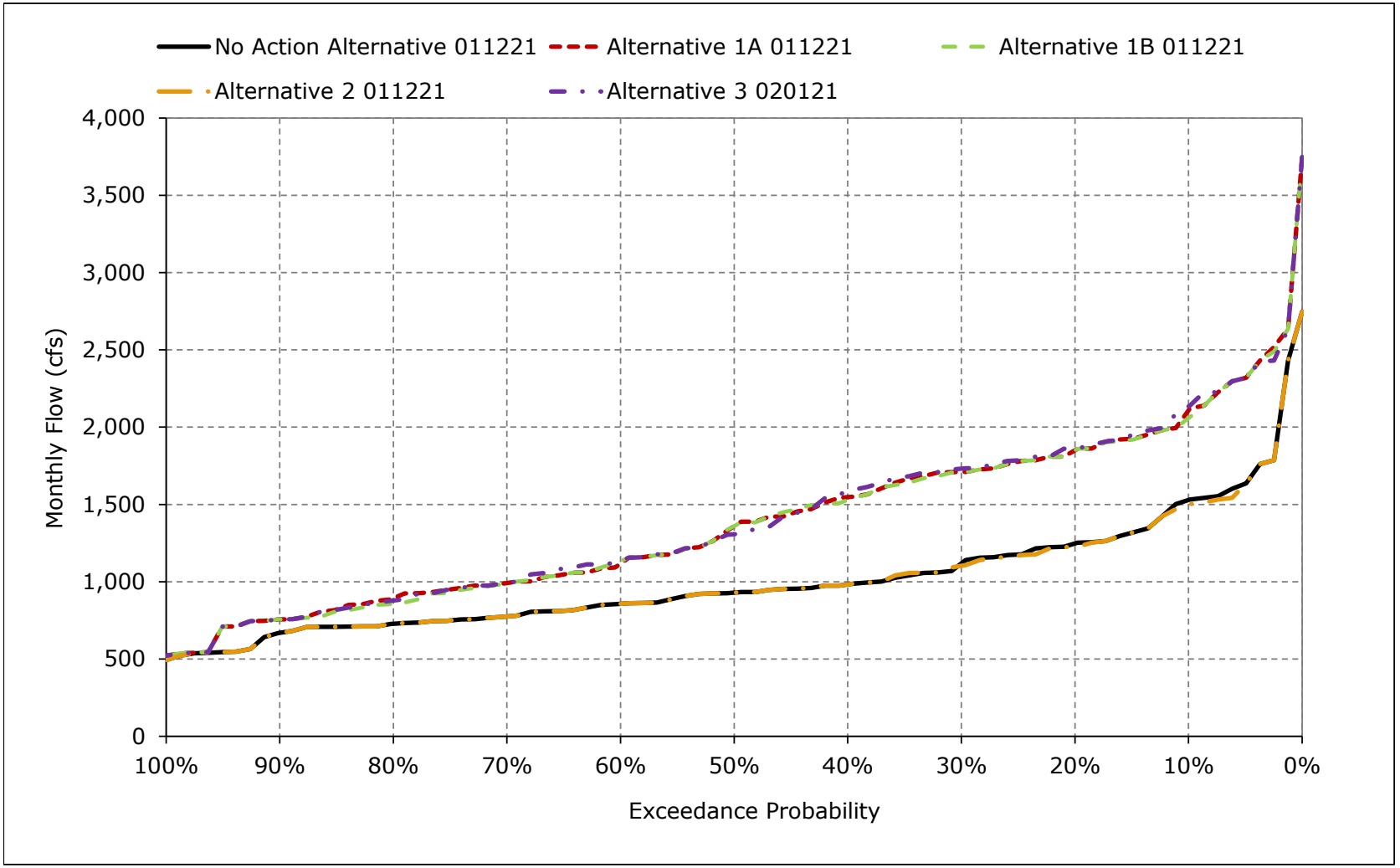


Figure 5B2-16-17. Colusa Basin Drain below Dunnigan Pipeline, August

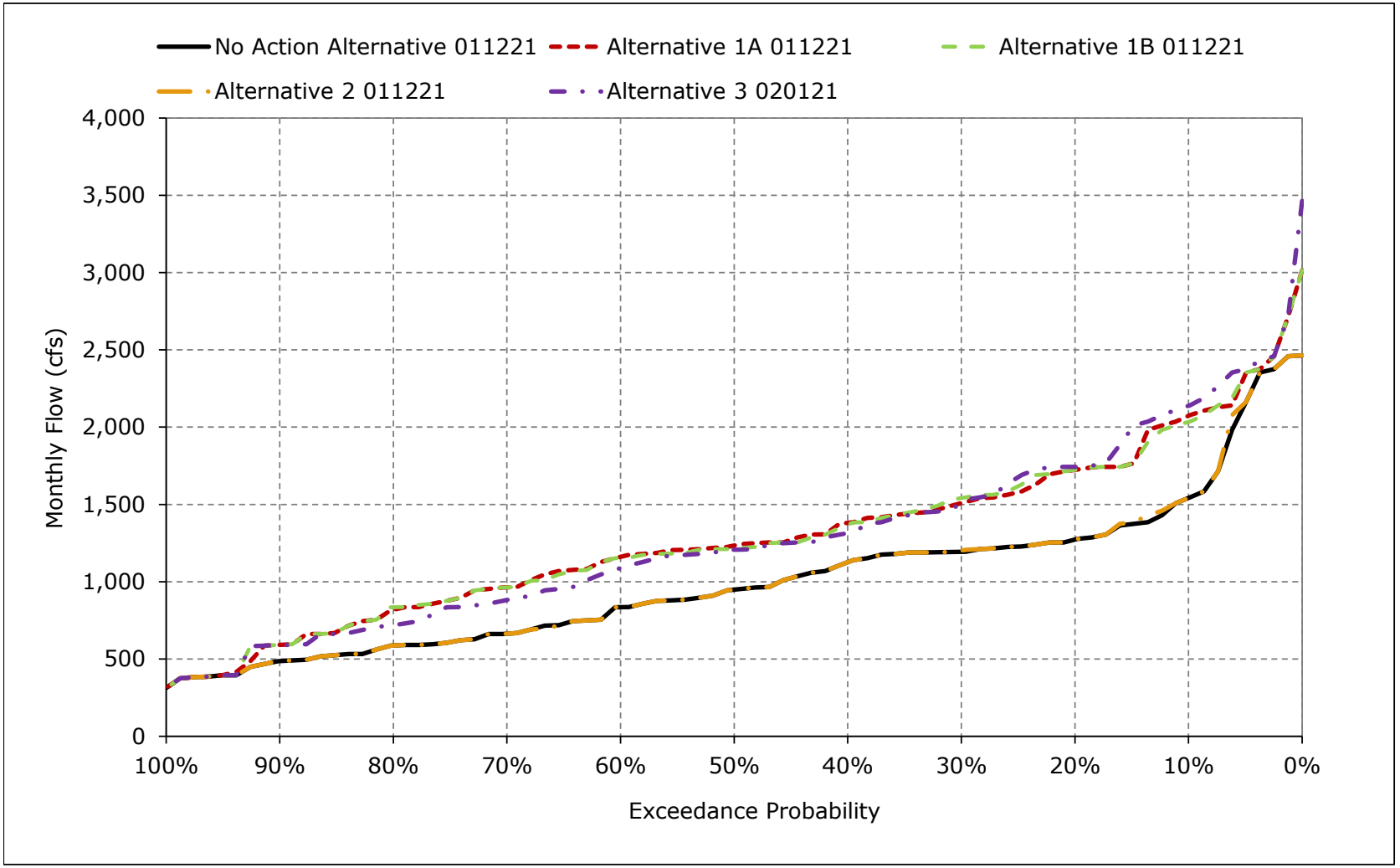


Figure 5B2-16-18. Colusa Basin Drain below Dunnigan Pipeline, September

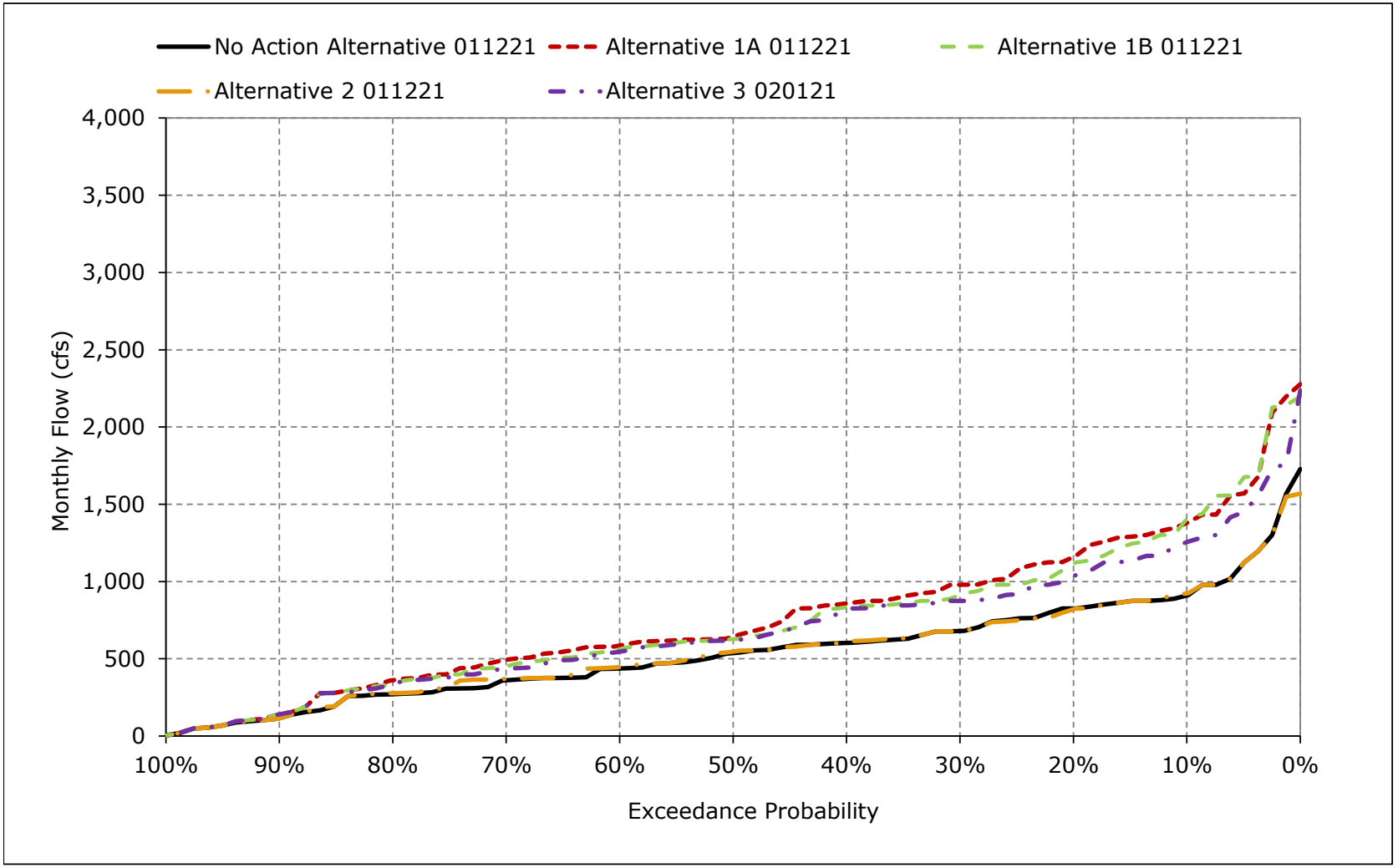


Table 5B2-17-1a. Sacramento River below Colusa Basin Drain, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	12,968	22,490	25,424	26,436	23,969	21,195	13,947	9,648	10,259	8,355	11,530
20%	7,705	9,936	18,819	23,330	24,143	22,457	17,668	11,851	8,365	9,725	7,542	10,185
30%	6,555	8,012	15,633	20,437	22,649	19,379	13,219	7,470	7,177	8,981	7,037	8,928
40%	5,897	7,096	12,774	17,106	20,826	16,176	11,212	6,374	6,692	8,488	6,634	8,368
50%	5,674	6,701	9,735	12,891	16,290	14,654	9,275	6,096	6,254	7,658	6,173	6,445
60%	5,505	6,237	8,469	10,481	14,311	12,071	8,335	5,711	5,943	7,074	5,868	5,783
70%	5,339	5,880	7,223	8,658	11,270	9,619	7,615	5,238	5,776	6,296	5,565	5,153
80%	5,000	5,327	6,299	7,733	8,794	8,896	6,986	4,886	5,535	5,735	5,242	4,645
90%	4,361	4,719	5,615	7,049	7,099	7,732	6,219	4,499	4,705	4,931	4,557	4,092
Long Term												
Full Simulation Period[a]	6,306	8,003	12,269	14,832	16,823	15,143	11,815	7,911	6,981	7,697	6,388	7,377
Water Year Types[b,c]												
Wet (32%)	7,750	9,284	12,911	21,191	22,026	19,720	16,883	11,172	7,896	8,333	7,341	10,613
Above Normal (15%)	6,288	9,012	13,084	18,499	20,828	19,023	13,162	9,137	7,062	8,877	6,982	8,569
Below Normal (17%)	6,618	8,388	13,271	12,578	15,678	12,246	10,125	6,393	6,684	7,755	5,638	5,767
Dry (22%)	4,907	6,877	12,360	9,157	12,684	12,109	8,333	5,491	6,791	7,429	5,759	5,108
Critical (15%)	4,930	5,460	8,760	8,529	9,093	9,281	6,685	5,019	5,552	5,469	5,549	4,452

Table 5B2-17-1b. Sacramento River below Colusa Basin Drain, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,941	13,017	22,354	24,992	26,315	23,968	20,590	13,565	9,856	10,682	8,801	11,420
20%	7,815	9,916	18,825	23,003	23,660	21,969	17,566	11,735	8,548	10,181	8,065	10,179
30%	6,830	8,028	15,625	19,155	22,027	18,481	13,225	7,502	7,471	9,597	7,416	9,050
40%	6,306	7,356	12,817	16,608	20,011	14,754	11,173	6,349	6,981	9,231	7,129	8,488
50%	5,935	6,882	9,146	12,677	15,760	13,156	9,578	6,054	6,478	8,778	6,706	7,192
60%	5,823	6,278	8,458	9,901	13,900	10,468	8,393	5,607	6,155	8,215	6,256	6,603
70%	5,591	5,885	7,164	8,566	11,029	9,184	7,679	5,078	5,738	6,899	5,992	5,780
80%	5,265	5,407	6,293	7,670	8,464	8,163	6,946	4,880	5,458	6,361	5,807	5,455
90%	4,912	5,055	5,795	7,024	6,850	7,557	6,272	4,167	5,031	5,493	5,421	4,581
Long Term												
Full Simulation Period[a]	6,526	8,063	12,162	14,518	16,473	14,387	11,653	7,787	7,130	8,362	6,808	7,743
Water Year Types[b,c]												
Wet (32%)	7,587	8,966	12,878	20,884	21,772	19,238	16,373	10,980	7,661	8,318	7,253	10,582
Above Normal (15%)	6,357	8,996	12,954	17,984	20,461	17,915	13,073	8,973	6,844	8,937	6,948	8,602
Below Normal (17%)	6,836	8,713	13,200	12,187	15,061	11,033	10,023	6,227	6,621	8,420	6,176	6,099
Dry (22%)	5,421	7,297	12,399	8,925	12,298	11,224	8,389	5,466	7,596	9,152	6,990	6,041
Critical (15%)	5,691	5,565	8,252	8,370	8,913	9,002	6,806	4,983	6,159	6,629	6,166	5,202

Table 5B2-17-1c. Sacramento River below Colusa Basin Drain, 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%	-58	49	-137	-432	-121	-1	-605	-382	208	423	445	-110
20%	110	-20	6	-326	-483	-489	-102	-116	183	457	523	-6
30%	275	15	-8	-1,282	-623	-898	6	32	294	617	379	122
40%	410	259	43	-497	-815	-1,422	-40	-24	289	743	495	120
50%	262	181	-589	-213	-530	-1,498	302	-42	224	1,120	533	747
60%	318	41	-11	-580	-411	-1,603	58	-105	211	1,142	388	820
70%	253	5	-60	-92	-242	-434	64	-160	-38	603	427	627
80%	266	81	-6	-63	-331	-733	-40	-6	-76	627	566	810
90%	551	336	180	-25	-249	-175	53	-332	326	562	864	489
Long Term												
Full Simulation Period[a]	220	60	-108	-314	-351	-757	-162	-124	148	665	420	366
Water Year Types[b,c]												
Wet (32%)	-164	-317	-33	-307	-254	-482	-510	-193	-235	-15	-88	-31
Above Normal (15%)	69	-16	-131	-515	-367	-1,108	-89	-164	-217	60	-34	33
Below Normal (17%)	218	325	-71	-391	-617	-1,212	-102	-165	-64	664	538	333
Dry (22%)	514	420	38	-232	-386	-885	56	-25	805	1,723	1,231	933
Critical (15%)	761	105	-508	-159	-180	-278	121	-36	607	1,160	617	750

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 5B2-17-2a. Sacramento River below Colusa Basin Drain, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	12,968	22,490	25,424	26,436	23,969	21,195	13,947	9,648	10,259	8,355	11,530
20%	7,705	9,936	18,819	23,330	24,143	22,457	17,668	11,851	8,365	9,725	7,542	10,185
30%	6,555	8,012	15,633	20,437	22,649	19,379	13,219	7,470	7,177	8,981	7,037	8,928
40%	5,897	7,096	12,774	17,106	20,826	16,176	11,212	6,374	6,692	8,488	6,634	8,368
50%	5,674	6,701	9,735	12,891	16,290	14,654	9,275	6,096	6,254	7,658	6,173	6,445
60%	5,505	6,237	8,469	10,481	14,311	12,071	8,335	5,711	5,943	7,074	5,868	5,783
70%	5,339	5,880	7,223	8,658	11,270	9,619	7,615	5,238	5,776	6,296	5,565	5,153
80%	5,000	5,327	6,299	7,733	8,794	8,896	6,986	4,886	5,535	5,735	5,242	4,645
90%	4,361	4,719	5,615	7,049	7,099	7,732	6,219	4,499	4,705	4,931	4,557	4,092
Long Term												
Full Simulation Period[a]	6,306	8,003	12,269	14,832	16,823	15,143	11,815	7,911	6,981	7,697	6,388	7,377
Water Year Types[b,c]												
Wet (32%)	7,750	9,284	12,911	21,191	22,026	19,720	16,883	11,172	7,896	8,333	7,341	10,613
Above Normal (15%)	6,288	9,012	13,084	18,499	20,828	19,023	13,162	9,137	7,062	8,877	6,982	8,569
Below Normal (17%)	6,618	8,388	13,271	12,578	15,678	12,246	10,125	6,393	6,684	7,755	5,638	5,767
Dry (22%)	4,907	6,877	12,360	9,157	12,684	12,109	8,333	5,491	6,791	7,429	5,759	5,108
Critical (15%)	4,930	5,460	8,760	8,529	9,093	9,281	6,685	5,019	5,552	5,469	5,549	4,452

Table 5B2-17-2b. Sacramento River below Colusa Basin Drain, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	13,028	22,682	24,984	26,276	23,955	20,589	13,570	9,807	10,682	8,419	11,509
20%	7,704	9,951	18,821	22,979	23,718	21,974	17,568	11,752	8,620	10,213	8,069	10,252
30%	6,953	8,131	15,455	19,152	22,169	18,505	13,225	7,502	7,551	9,615	7,467	9,181
40%	6,285	7,669	13,028	16,622	20,228	15,005	11,270	6,398	6,882	9,243	6,962	8,524
50%	5,872	7,022	9,147	12,676	15,762	12,934	9,576	6,086	6,478	8,759	6,699	7,170
60%	5,782	6,307	8,464	9,901	13,897	10,411	8,391	5,607	6,124	8,193	6,332	6,734
70%	5,508	5,993	7,182	8,410	11,040	9,158	7,687	5,153	5,695	6,833	6,074	5,849
80%	5,187	5,410	6,342	7,671	8,462	8,214	6,946	4,937	5,407	6,361	5,841	5,359
90%	4,903	5,086	5,826	7,025	6,890	7,557	6,271	4,167	4,914	5,399	5,422	4,591
Long Term												
Full Simulation Period[a]	6,501	8,160	12,221	14,487	16,497	14,386	11,667	7,774	7,140	8,359	6,836	7,775
Water Year Types[b,c]												
Wet (32%)	7,577	8,980	12,971	20,832	21,756	19,227	16,351	10,899	7,632	8,319	7,253	10,626
Above Normal (15%)	6,374	8,918	13,122	17,989	20,499	17,952	13,115	8,978	6,874	8,939	7,000	8,926
Below Normal (17%)	6,883	8,882	13,263	12,191	15,116	11,042	10,034	6,232	6,639	8,402	6,193	6,093
Dry (22%)	5,370	7,618	12,311	8,910	12,345	11,230	8,431	5,539	7,671	9,146	6,947	5,960
Critical (15%)	5,546	5,597	8,343	8,283	8,939	8,967	6,826	4,953	6,126	6,634	6,352	5,133

Table 5B2-17-2c. Sacramento River below Colusa Basin Drain, 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	60	192	-440	-160	-14	-606	-377	159	424	64	-21
20%	0	15	2	-351	-425	-483	-100	-98	255	488	527	67
30%	399	118	-178	-1,285	-480	-874	6	32	374	635	430	254
40%	389	572	254	-484	-598	-1,171	57	24	190	754	329	156
50%	198	321	-588	-215	-528	-1,720	301	-10	224	1,102	526	725
60%	276	70	-5	-580	-414	-1,661	56	-104	181	1,120	463	951
70%	170	112	-41	-248	-231	-460	72	-85	-81	537	509	696
80%	188	83	43	-62	-332	-682	-40	51	-128	627	600	715
90%	542	367	211	-25	-209	-175	53	-332	209	468	865	500
Long Term												
Full Simulation Period[a]	195	157	-49	-345	-326	-758	-149	-136	158	662	448	399
Water Year Types[b,c]												
Wet (32%)	-174	-303	60	-359	-269	-493	-532	-273	-264	-14	-88	12
Above Normal (15%)	86	-95	38	-511	-329	-1,071	-47	-159	-187	62	18	357
Below Normal (17%)	265	495	-8	-387	-562	-1,204	-91	-160	-45	647	556	326
Dry (22%)	463	741	-50	-248	-339	-879	98	48	881	1,716	1,188	852
Critical (15%)	616	137	-417	-246	-154	-314	141	-67	574	1,165	804	682

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 5B2-17-3a. Sacramento River below Colusa Basin Drain, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	12,968	22,490	25,424	26,436	23,969	21,195	13,947	9,648	10,259	8,355	11,530
20%	7,705	9,936	18,819	23,330	24,143	22,457	17,668	11,851	8,365	9,725	7,542	10,185
30%	6,555	8,012	15,633	20,437	22,649	19,379	13,219	7,470	7,177	8,981	7,037	8,928
40%	5,897	7,096	12,774	17,106	20,826	16,176	11,212	6,374	6,692	8,488	6,634	8,368
50%	5,674	6,701	9,735	12,891	16,290	14,654	9,275	6,096	6,254	7,658	6,173	6,445
60%	5,505	6,237	8,469	10,481	14,311	12,071	8,335	5,711	5,943	7,074	5,868	5,783
70%	5,339	5,880	7,223	8,658	11,270	9,619	7,615	5,238	5,776	6,296	5,565	5,153
80%	5,000	5,327	6,299	7,733	8,794	8,896	6,986	4,886	5,535	5,735	5,242	4,645
90%	4,361	4,719	5,615	7,049	7,099	7,732	6,219	4,499	4,705	4,931	4,557	4,092
Long Term												
Full Simulation Period[a]	6,306	8,003	12,269	14,832	16,823	15,143	11,815	7,911	6,981	7,697	6,388	7,377
Water Year Types[b,c]												
Wet (32%)	7,750	9,284	12,911	21,191	22,026	19,720	16,883	11,172	7,896	8,333	7,341	10,613
Above Normal (15%)	6,288	9,012	13,084	18,499	20,828	19,023	13,162	9,137	7,062	8,877	6,982	8,569
Below Normal (17%)	6,618	8,388	13,271	12,578	15,678	12,246	10,125	6,393	6,684	7,755	5,638	5,767
Dry (22%)	4,907	6,877	12,360	9,157	12,684	12,109	8,333	5,491	6,791	7,429	5,759	5,108
Critical (15%)	4,930	5,460	8,760	8,529	9,093	9,281	6,685	5,019	5,552	5,469	5,549	4,452

Table 5B2-17-3b. Sacramento River below Colusa Basin Drain, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,997	13,015	22,354	24,992	26,418	23,969	20,593	13,578	9,878	10,682	8,869	11,508
20%	7,789	9,891	18,826	23,008	23,662	22,063	17,640	11,742	8,524	10,181	8,065	10,181
30%	6,830	8,048	15,625	19,154	21,920	18,505	13,225	7,502	7,400	9,571	7,440	9,050
40%	6,272	7,294	12,822	16,608	20,012	15,152	11,171	6,349	6,902	9,223	6,999	8,489
50%	5,939	6,704	9,156	12,677	15,761	13,272	9,578	6,054	6,431	8,785	6,570	7,237
60%	5,821	6,218	8,458	9,901	13,899	10,417	8,387	5,607	6,155	8,215	6,180	6,504
70%	5,591	5,814	7,164	8,412	11,039	9,198	7,680	5,078	5,738	6,935	5,905	5,722
80%	5,267	5,408	6,358	7,670	8,464	8,163	6,946	4,880	5,458	6,361	5,714	5,364
90%	4,748	4,928	5,836	7,026	6,850	7,557	6,272	4,167	5,011	5,458	5,437	4,587
Long Term												
Full Simulation Period[a]	6,506	8,014	12,178	14,521	16,471	14,430	11,679	7,784	7,104	8,353	6,803	7,716
Water Year Types[b,c]												
Wet (32%)	7,589	8,968	12,881	20,936	21,778	19,322	16,455	10,982	7,667	8,321	7,294	10,616
Above Normal (15%)	6,357	9,002	12,954	17,984	20,470	17,933	13,072	8,973	6,844	8,940	6,948	8,607
Below Normal (17%)	6,897	8,708	13,210	12,182	15,014	11,040	10,021	6,227	6,620	8,422	6,146	6,108
Dry (22%)	5,350	7,053	12,409	8,925	12,298	11,287	8,387	5,466	7,514	9,151	6,919	5,961
Critical (15%)	5,588	5,590	8,331	8,280	8,932	8,997	6,807	4,960	6,096	6,559	6,188	5,051

Table 5B2-17-3c. Sacramento River below Colusa Basin Drain, 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%	-1	47	-137	-432	-18	0	-603	-369	230	424	514	-21
20%	84	-46	6	-322	-481	-394	-28	-108	160	456	523	-3
30%	275	35	-8	-1,283	-729	-875	6	32	223	591	403	123
40%	376	198	48	-497	-814	-1,024	-41	-24	210	734	365	122
50%	266	3	-579	-213	-530	-1,382	302	-42	177	1,127	396	792
60%	315	-19	-11	-580	-411	-1,654	52	-105	211	1,142	312	721
70%	253	-67	-59	-247	-232	-421	64	-160	-38	639	340	569
80%	267	81	59	-63	-331	-732	-40	-6	-76	626	472	720
90%	387	209	221	-24	-248	-175	53	-332	306	527	880	495
Long Term												
Full Simulation Period[a]	200	11	-91	-311	-352	-713	-137	-127	123	657	415	339
Water Year Types[b,c]												
Wet (32%)	-162	-315	-29	-255	-247	-398	-428	-190	-229	-12	-47	2
Above Normal (15%)	69	-10	-131	-515	-358	-1,090	-90	-164	-217	63	-34	38
Below Normal (17%)	279	320	-61	-396	-664	-1,206	-103	-165	-64	666	508	342
Dry (22%)	443	176	48	-233	-386	-822	54	-25	724	1,722	1,160	853
Critical (15%)	658	129	-429	-249	-161	-283	122	-60	544	1,090	639	599

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 5B2-17-4a. Sacramento River below Colusa Basin Drain, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	12,968	22,490	25,424	26,436	23,969	21,195	13,947	9,648	10,259	8,355	11,530
20%	7,705	9,936	18,819	23,330	24,143	22,457	17,668	11,851	8,365	9,725	7,542	10,185
30%	6,555	8,012	15,633	20,437	22,649	19,379	13,219	7,470	7,177	8,981	7,037	8,928
40%	5,897	7,096	12,774	17,106	20,826	16,176	11,212	6,374	6,692	8,488	6,634	8,368
50%	5,674	6,701	9,735	12,891	16,290	14,654	9,275	6,096	6,254	7,658	6,173	6,445
60%	5,505	6,237	8,469	10,481	14,311	12,071	8,335	5,711	5,943	7,074	5,868	5,783
70%	5,339	5,880	7,223	8,658	11,270	9,619	7,615	5,238	5,776	6,296	5,565	5,153
80%	5,000	5,327	6,299	7,733	8,794	8,896	6,986	4,886	5,535	5,735	5,242	4,645
90%	4,361	4,719	5,615	7,049	7,099	7,732	6,219	4,499	4,705	4,931	4,557	4,092
Long Term												
Full Simulation Period[a]	6,306	8,003	12,269	14,832	16,823	15,143	11,815	7,911	6,981	7,697	6,388	7,377
Water Year Types[b,c]												
Wet (32%)	7,750	9,284	12,911	21,191	22,026	19,720	16,883	11,172	7,896	8,333	7,341	10,613
Above Normal (15%)	6,288	9,012	13,084	18,499	20,828	19,023	13,162	9,137	7,062	8,877	6,982	8,569
Below Normal (17%)	6,618	8,388	13,271	12,578	15,678	12,246	10,125	6,393	6,684	7,755	5,638	5,767
Dry (22%)	4,907	6,877	12,360	9,157	12,684	12,109	8,333	5,491	6,791	7,429	5,759	5,108
Critical (15%)	4,930	5,460	8,760	8,529	9,093	9,281	6,685	5,019	5,552	5,469	5,549	4,452

Table 5B2-17-4b. Sacramento River below Colusa Basin Drain, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,998	13,825	23,119	24,972	26,281	23,808	20,621	13,565	9,863	11,632	8,488	11,422
20%	8,116	9,942	18,900	23,000	24,014	21,951	17,655	11,554	8,410	10,701	7,847	10,299
30%	7,254	8,058	15,859	19,151	22,544	18,007	13,225	7,501	7,694	9,885	7,342	9,550
40%	6,330	7,561	13,035	16,624	20,029	14,871	11,258	6,416	6,889	9,222	6,934	8,745
50%	5,926	6,746	9,123	12,664	15,763	12,948	9,406	6,110	6,423	8,681	6,555	7,409
60%	5,782	6,213	8,463	9,906	13,894	10,412	8,388	5,730	6,116	8,251	6,151	6,408
70%	5,604	5,760	6,878	8,388	11,033	9,232	7,594	5,267	5,738	7,103	5,894	5,724
80%	5,408	5,373	6,370	7,550	8,466	8,335	6,853	4,993	5,331	6,295	5,552	5,184
90%	4,919	5,032	5,911	6,938	7,014	7,559	6,271	4,427	4,936	5,522	5,110	4,397
Long Term												
Full Simulation Period[a]	6,620	8,099	12,303	14,474	16,539	14,359	11,634	7,781	7,117	8,556	6,684	7,785
Water Year Types[b,c]												
Wet (32%)	7,584	8,975	12,980	20,827	21,761	19,071	16,316	10,790	7,592	8,324	7,250	10,582
Above Normal (15%)	6,834	8,890	13,160	17,993	20,668	17,881	13,120	8,977	6,913	9,891	6,872	9,454
Below Normal (17%)	7,168	8,870	13,407	12,172	15,173	11,024	10,081	6,304	6,691	8,982	6,104	6,169
Dry (22%)	5,453	7,418	12,523	8,904	12,363	11,319	8,382	5,639	7,620	9,062	6,581	5,816
Critical (15%)	5,428	5,532	8,364	8,234	8,954	9,076	6,693	5,001	6,031	6,467	6,100	4,893

Table 5B2-17-4c. Sacramento River below Colusa Basin Drain, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

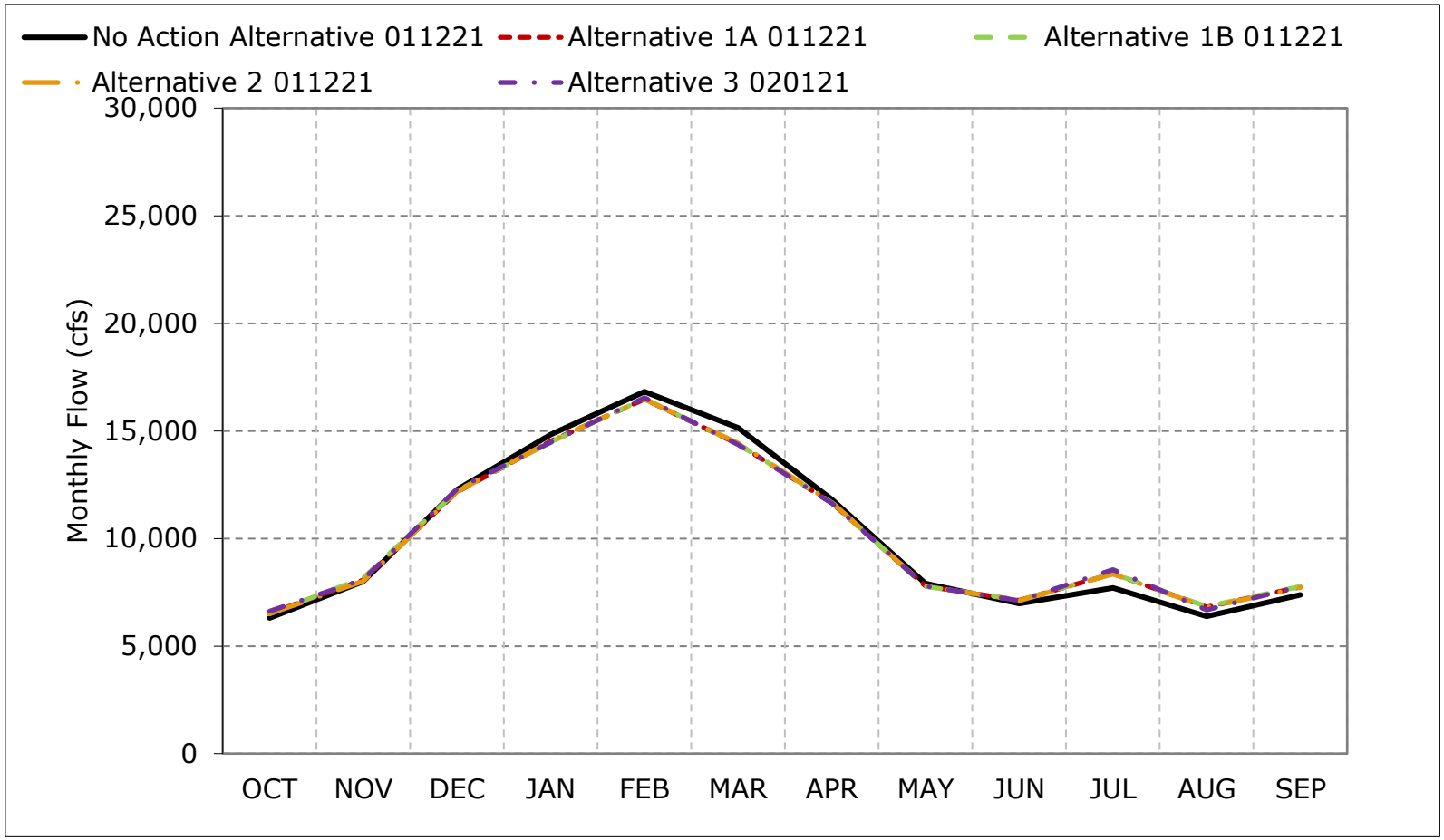
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	857	628	-451	-155	-161	-574	-382	216	1,373	133	-107
20%	411	6	81	-330	-129	-507	-13	-297	45	976	305	114
30%	699	46	226	-1,286	-105	-1,372	6	31	517	904	305	622
40%	434	465	261	-482	-797	-1,305	46	42	197	733	300	377
50%	252	45	-612	-226	-527	-1,706	131	14	169	1,023	382	964
60%	277	-24	-6	-575	-417	-1,660	53	19	172	1,178	282	625
70%	266	-120	-346	-271	-237	-387	-21	28	-38	807	329	571
80%	409	46	70	-182	-328	-561	-132	107	-203	561	310	539
90%	558	313	296	-111	-85	-173	52	-71	231	591	553	306
Long Term												
Full Simulation Period[a]	314	96	34	-358	-284	-785	-181	-130	135	859	296	408
Water Year Types[b,c]												
Wet (32%)	-166	-308	70	-364	-265	-649	-566	-382	-304	-10	-91	-31
Above Normal (15%)	547	-123	75	-506	-160	-1,143	-41	-160	-149	1,014	-110	885
Below Normal (17%)	550	483	136	-406	-505	-1,222	-44	-89	7	1,226	467	403
Dry (22%)	546	541	163	-253	-321	-790	49	148	830	1,633	823	708
Critical (15%)	498	72	-396	-295	-139	-204	8	-19	479	998	551	441

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).

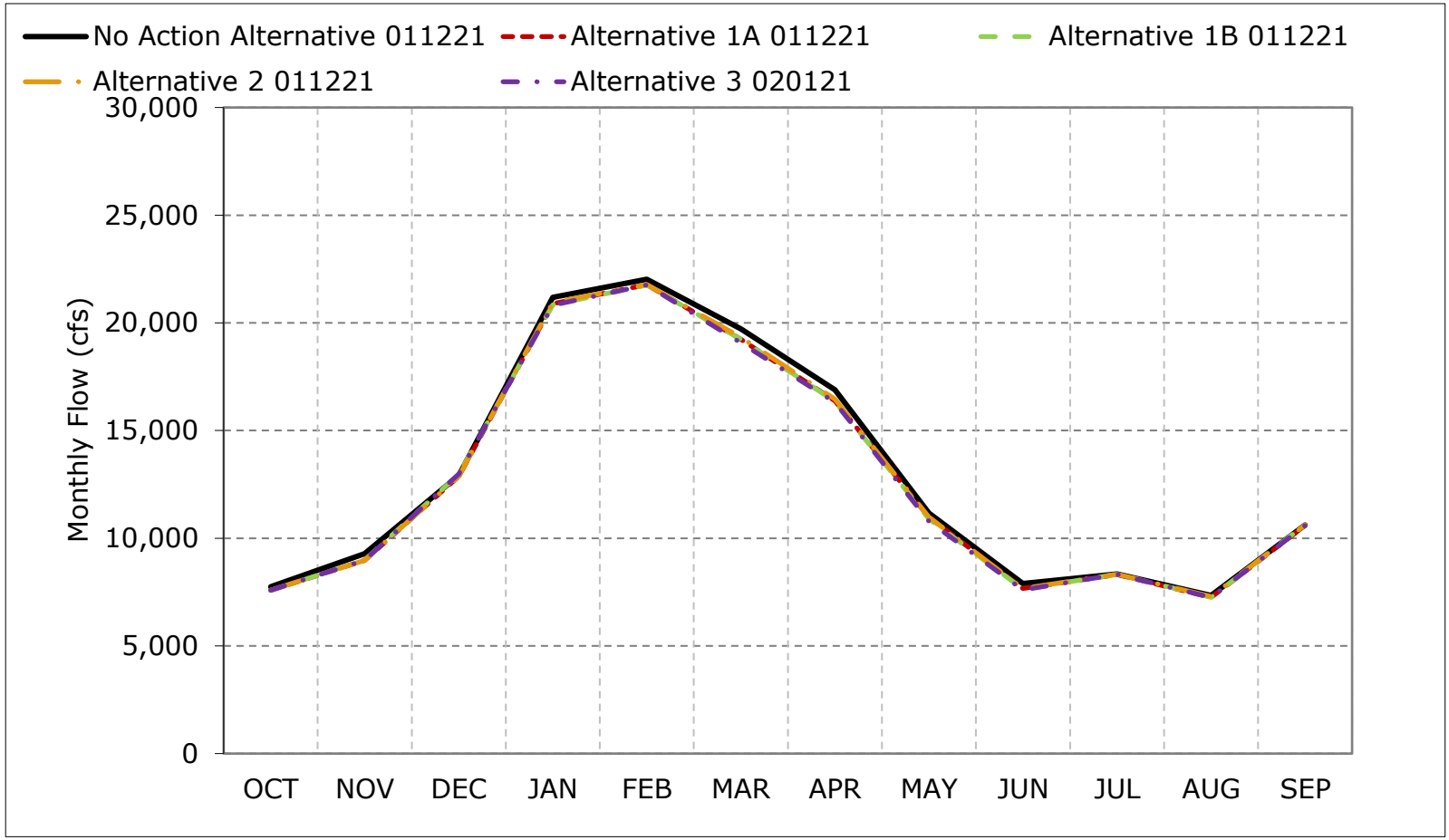
c These results are displayed with calendar year - year type sorting.

Figure 5B2-17-1. Sacramento River below Colusa Basin Drain, Long-Term Average Flow



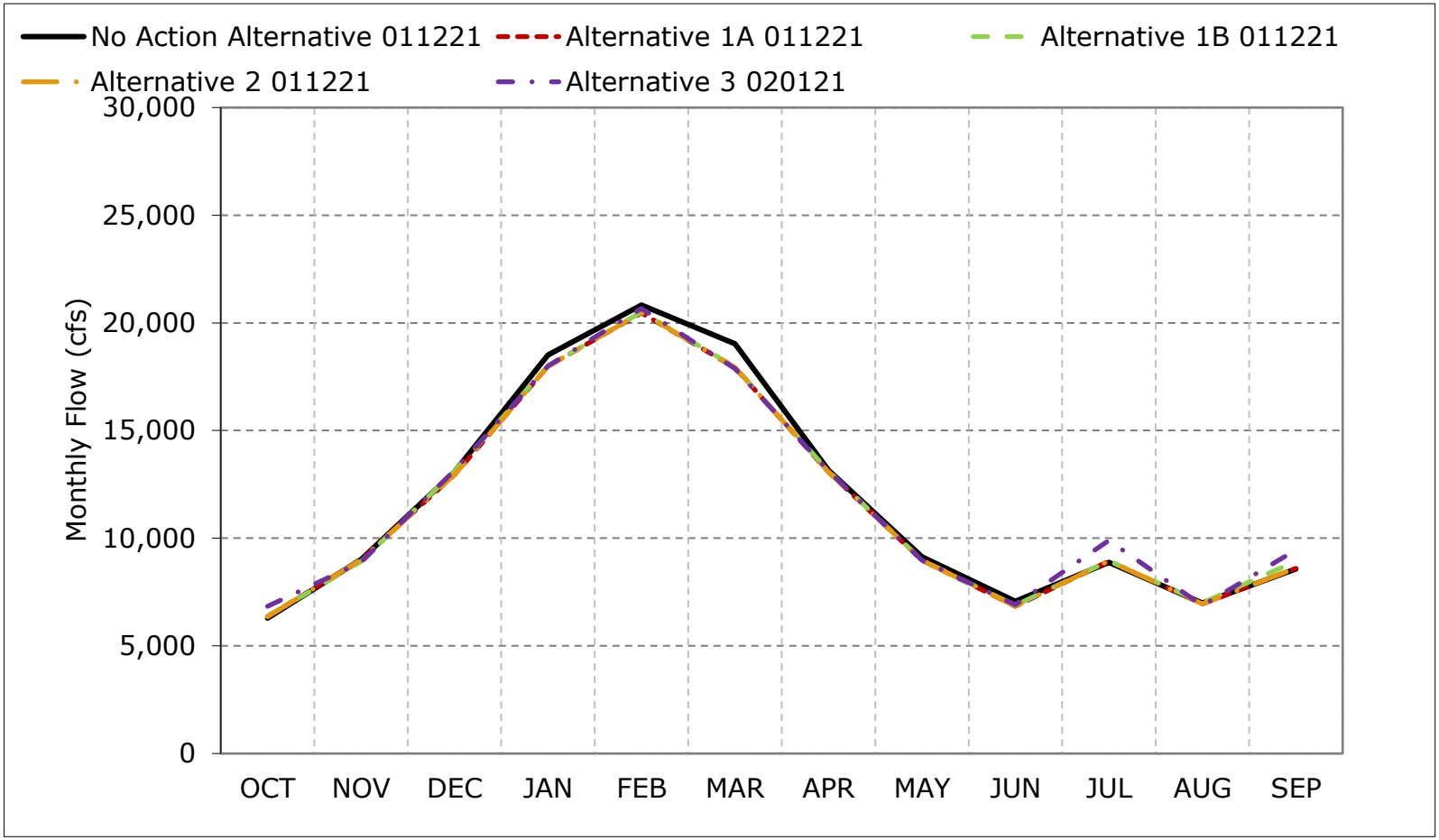
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-17-2. Sacramento River below Colusa Basin Drain, Wet Year Average Flow



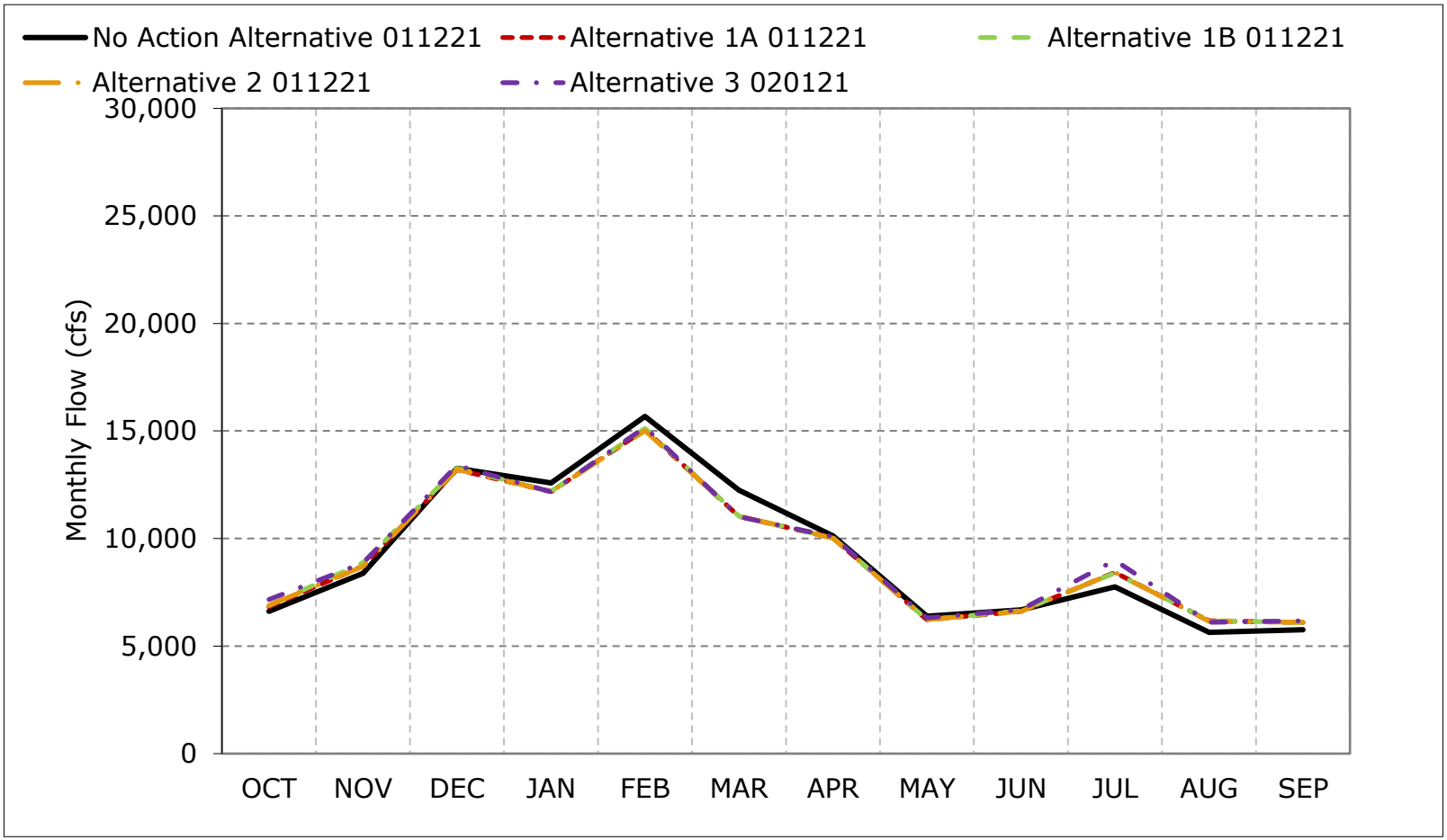
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-17-3. Sacramento River below Colusa Basin Drain, Above Normal Year Average Flow



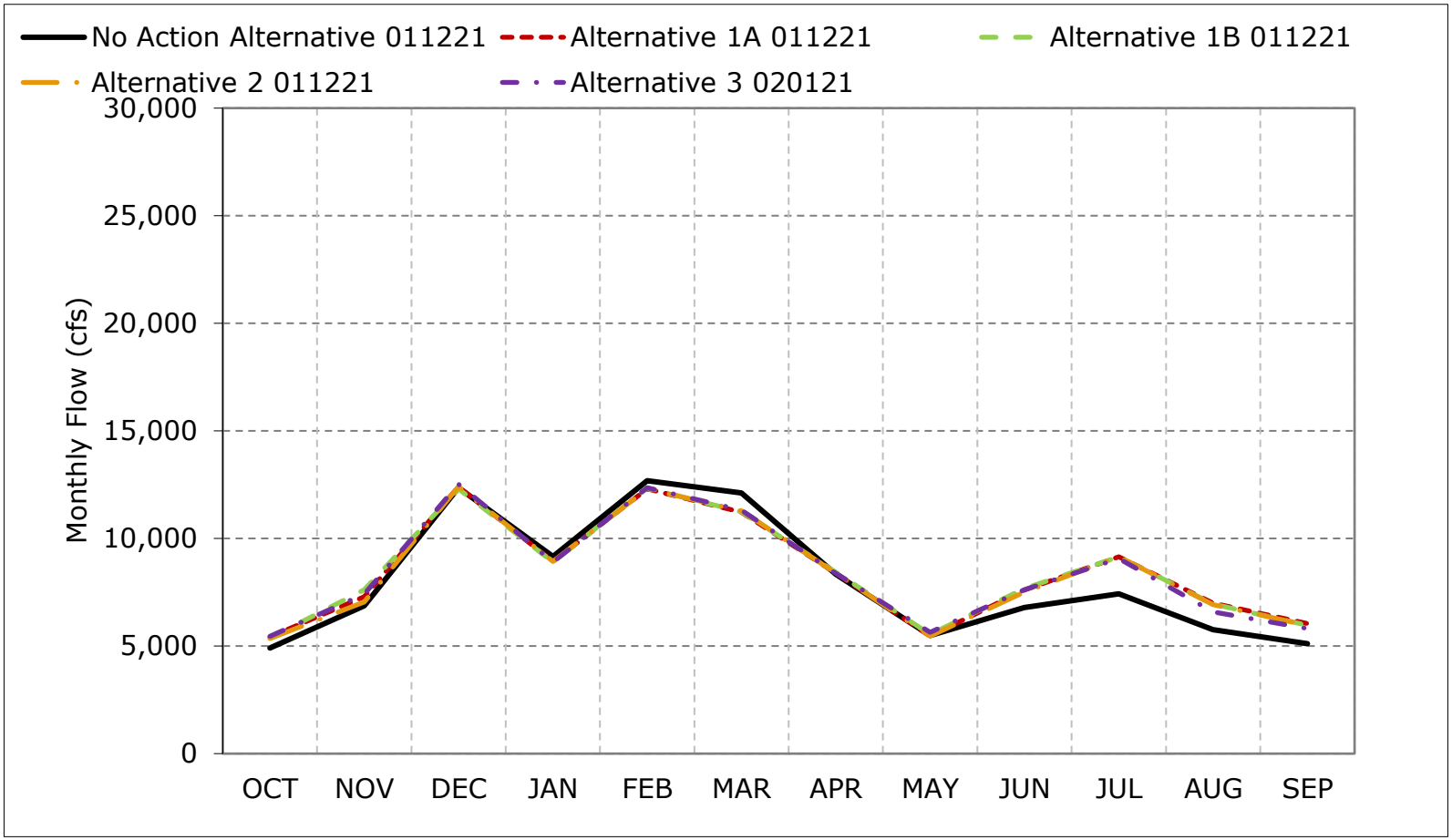
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-17-4. Sacramento River below Colusa Basin Drain, Below Normal Year Average Flow



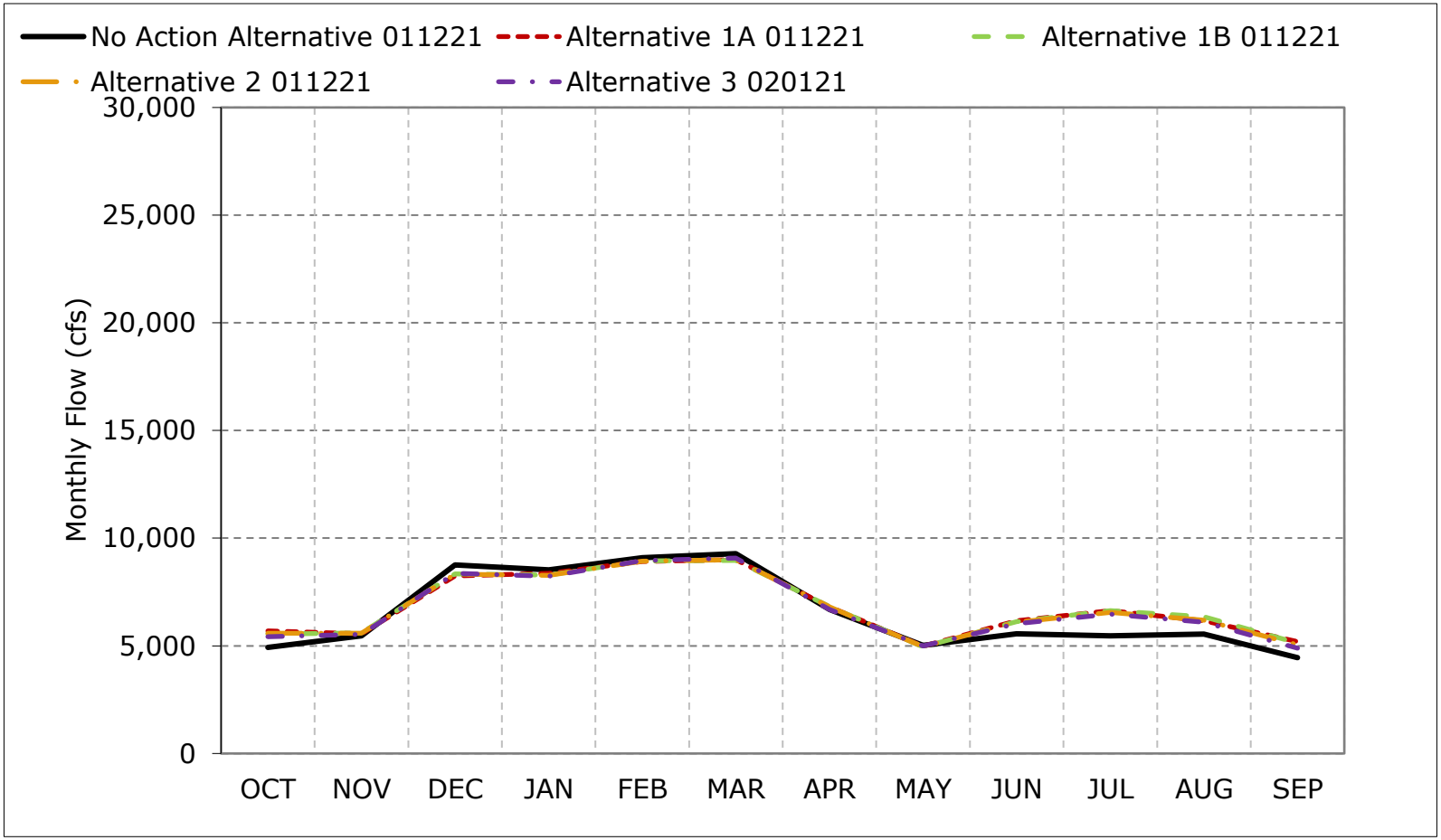
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-17-5. Sacramento River below Colusa Basin Drain, 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 5B2-17-6. Sacramento River below Colusa Basin Drain, 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 5B2-17-7. Sacramento River below Colusa Basin Drain, October

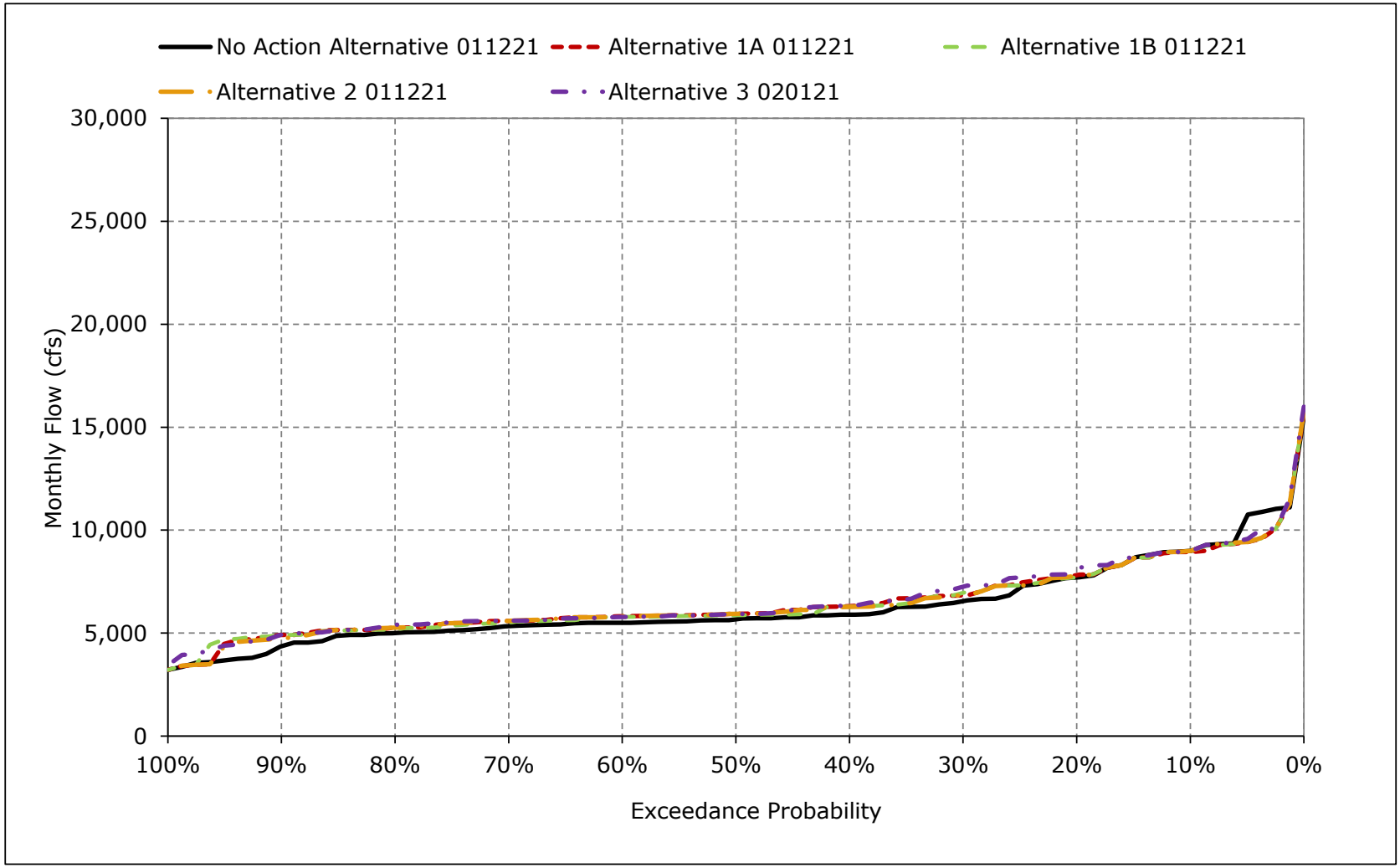


Figure 5B2-17-8. Sacramento River below Colusa Basin Drain, November

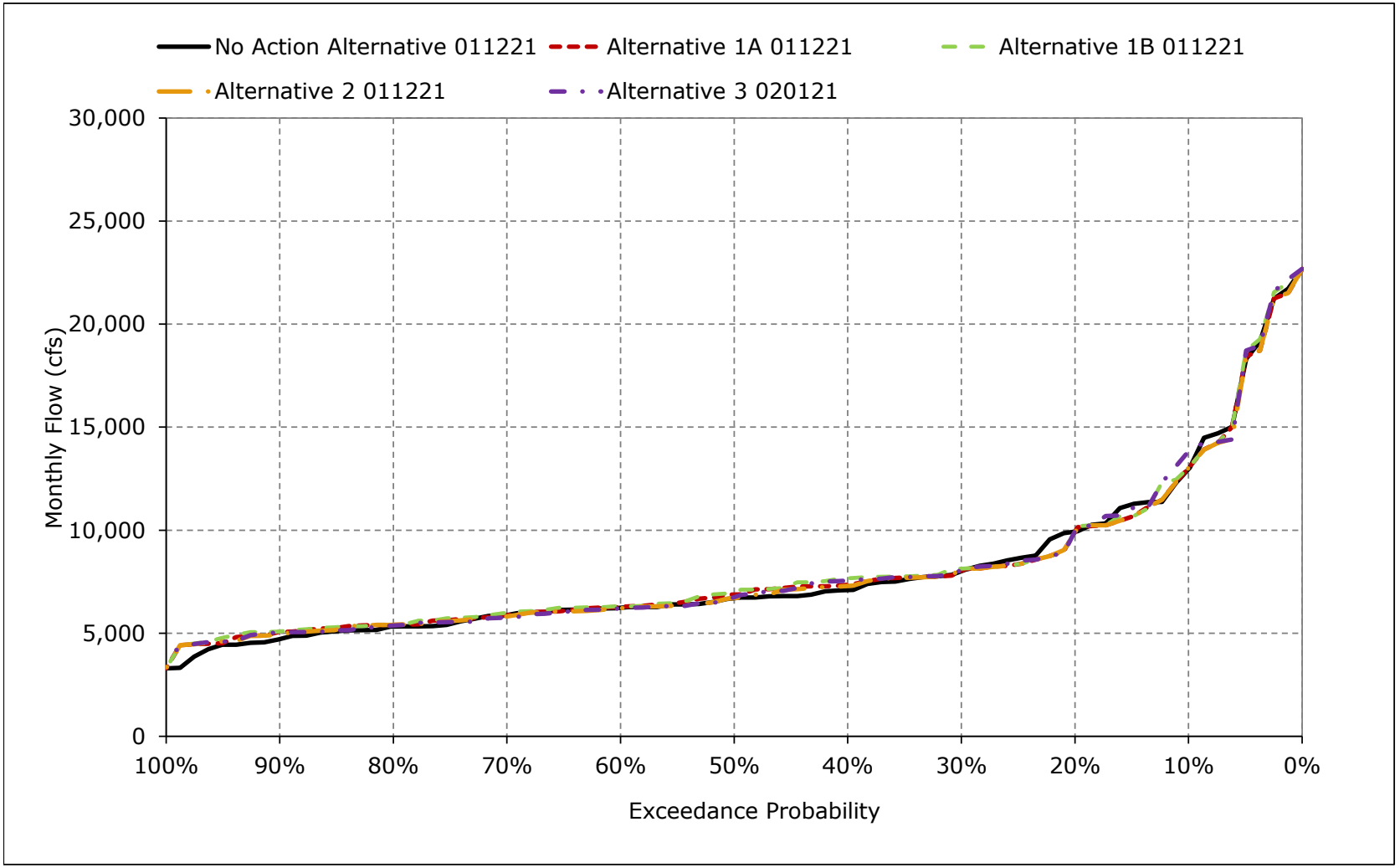


Figure 5B2-17-9. Sacramento River below Colusa Basin Drain, December

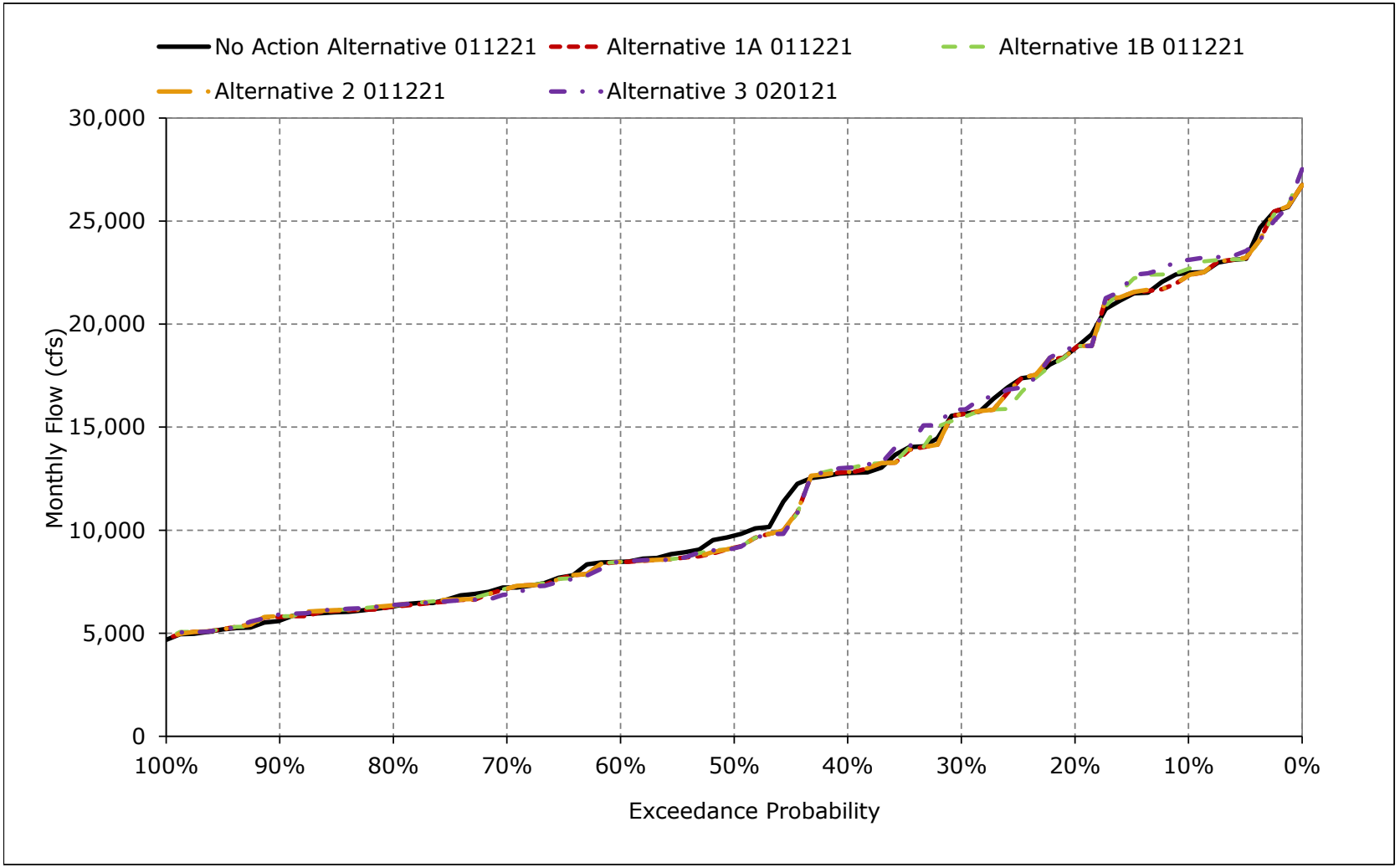


Figure 5B2-17-10. Sacramento River below Colusa Basin Drain, January

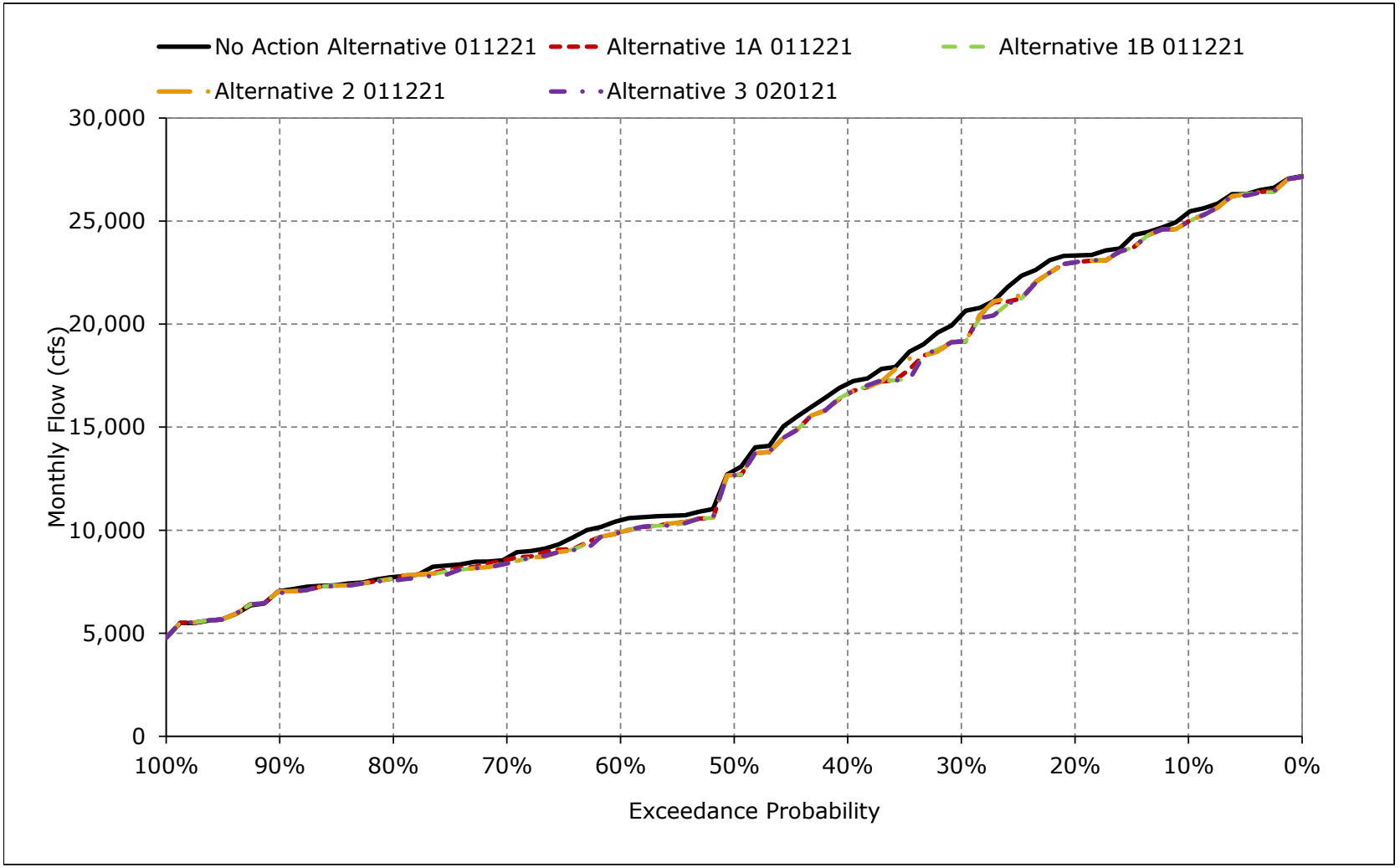


Figure 5B2-17-11. Sacramento River below Colusa Basin Drain, February

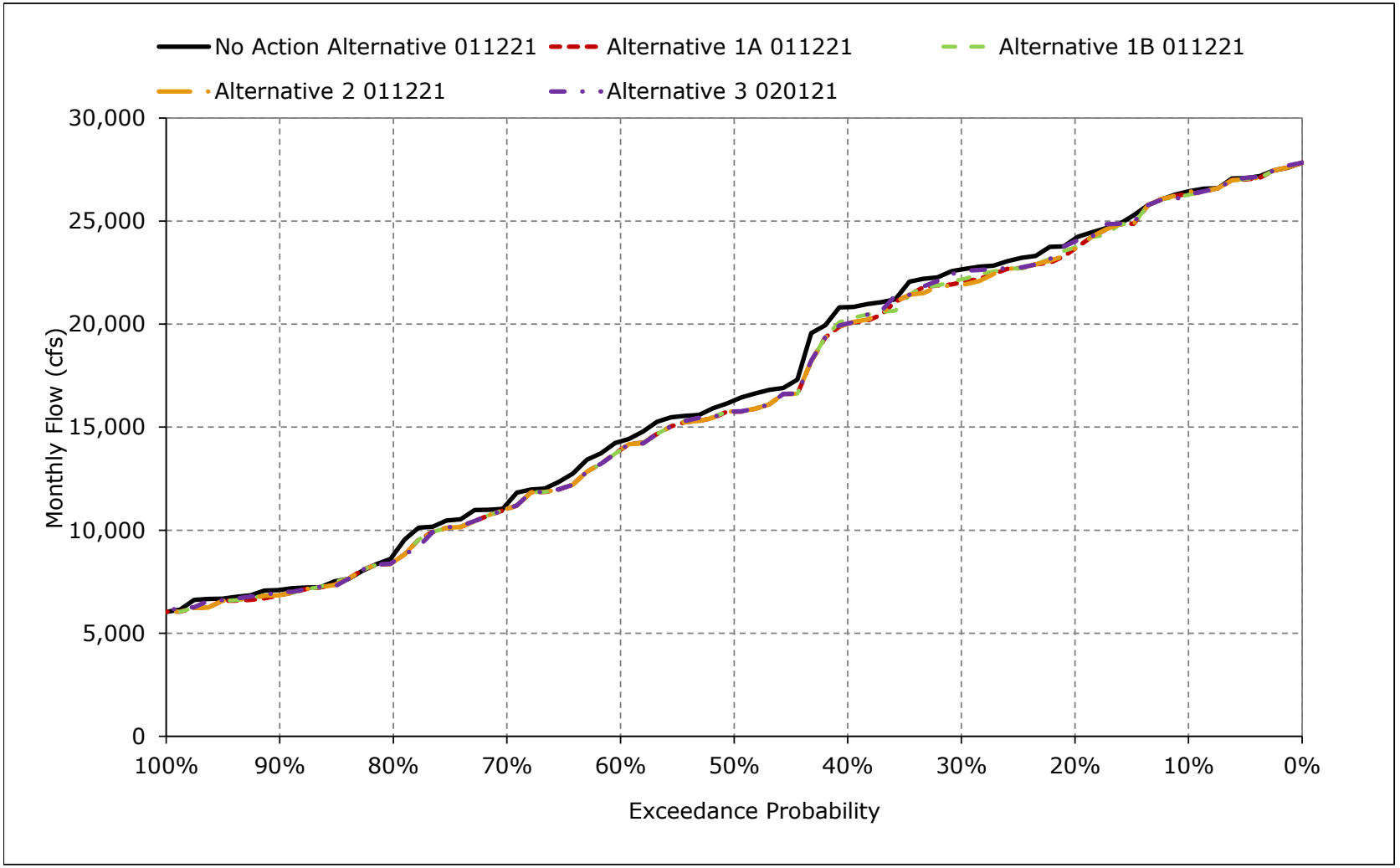


Figure 5B2-17-12. Sacramento River below Colusa Basin Drain, March

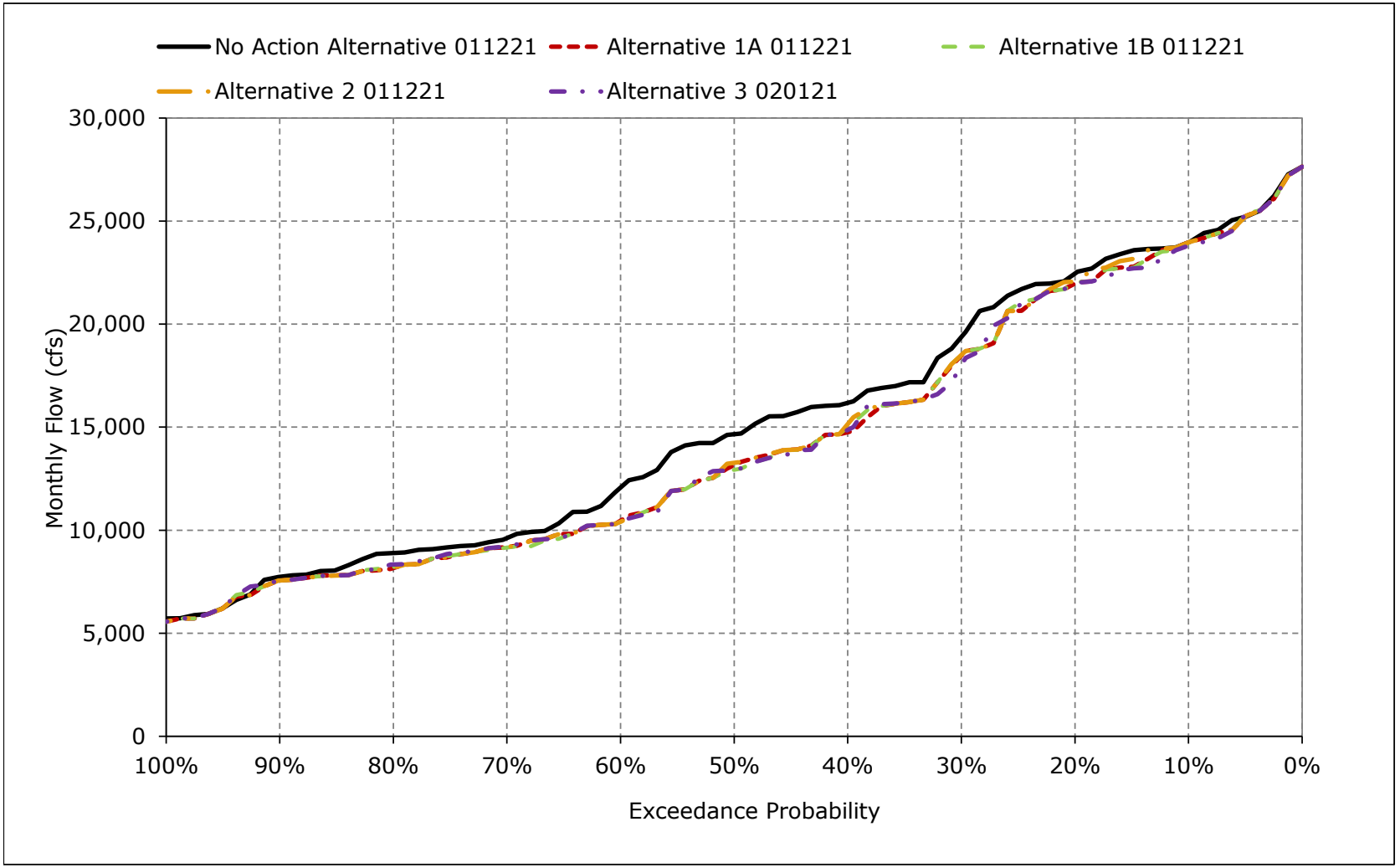


Figure 5B2-17-13. Sacramento River below Colusa Basin Drain, April

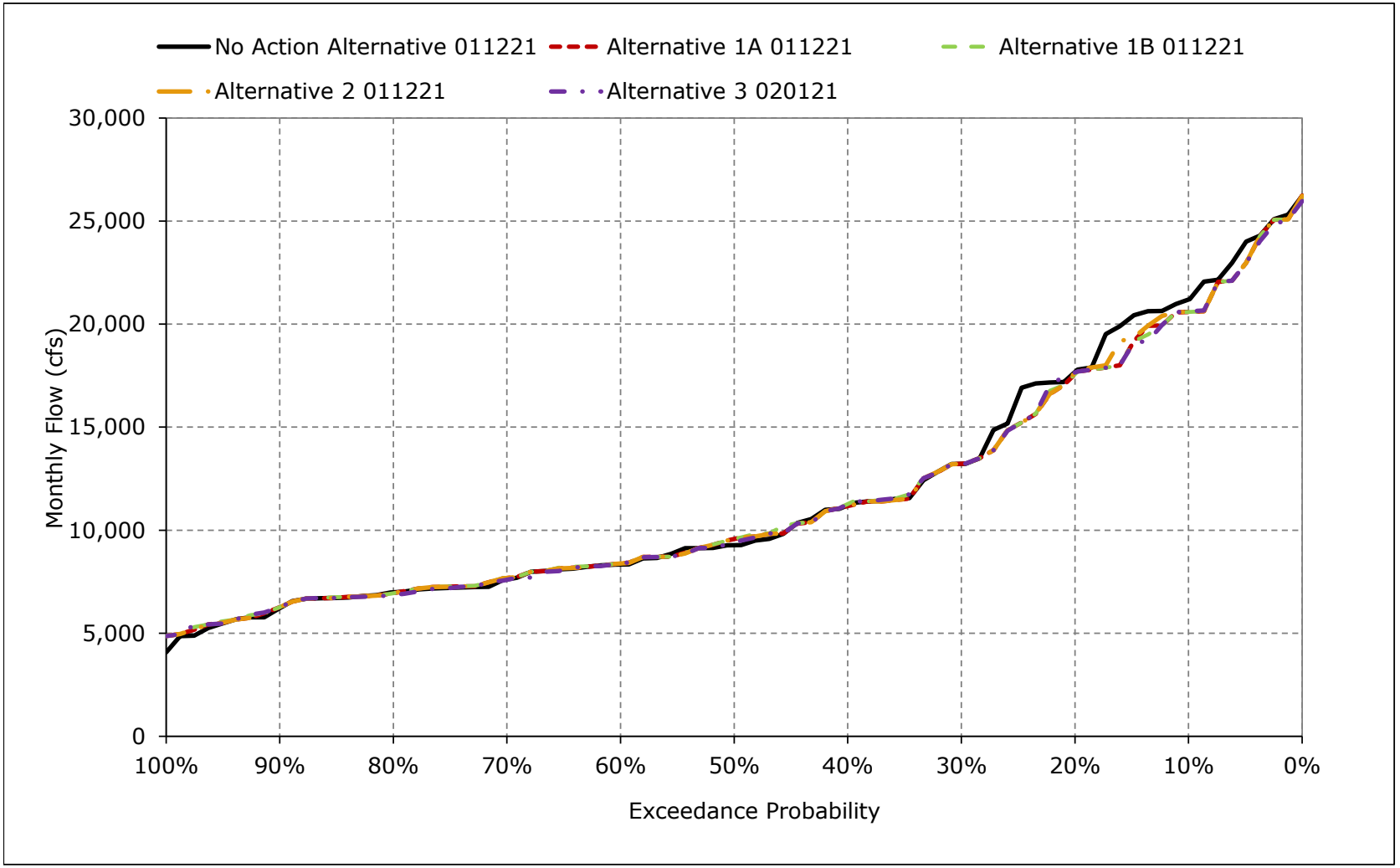


Figure 5B2-17-14. Sacramento River below Colusa Basin Drain, May

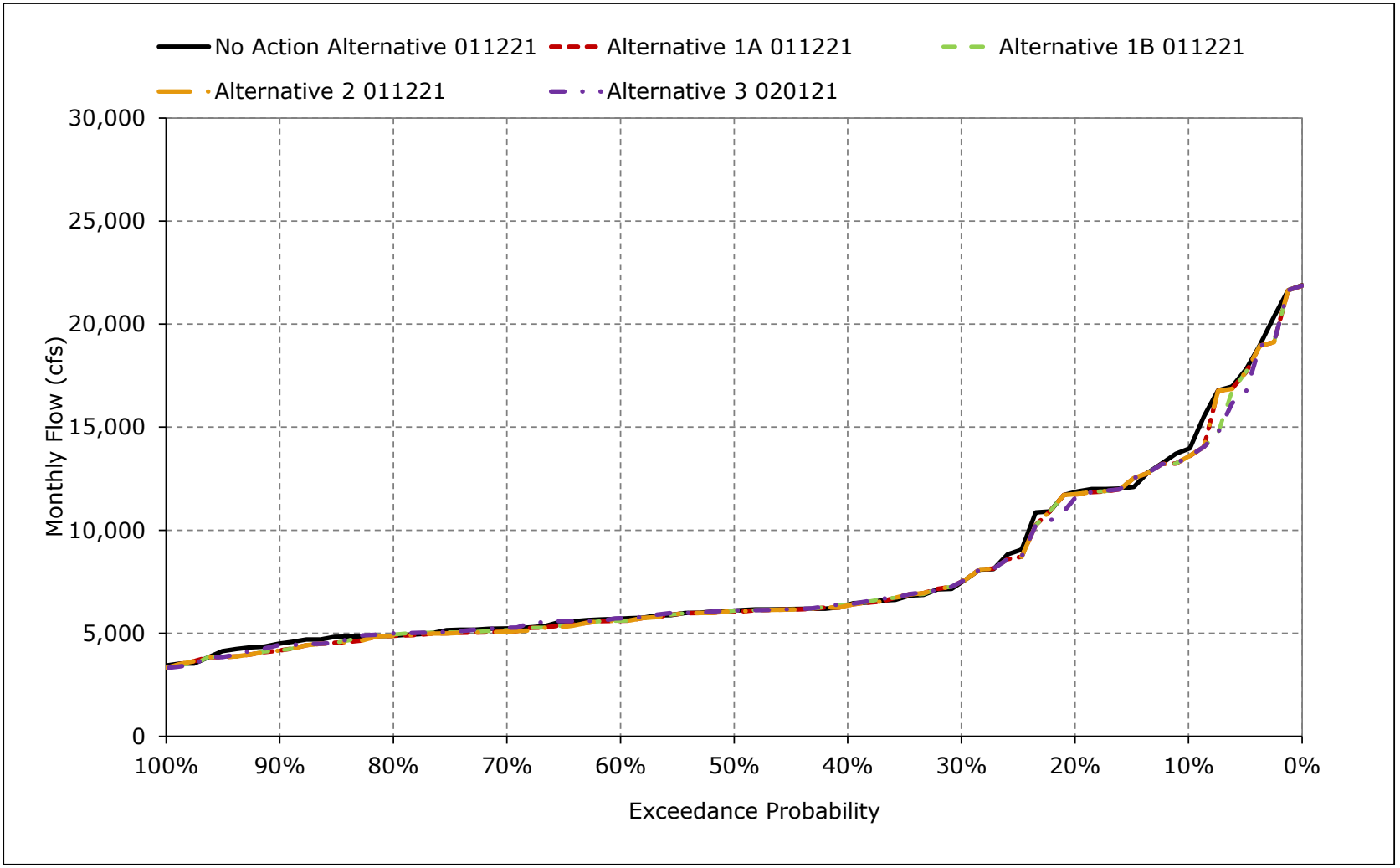


Figure 5B2-17-15. Sacramento River below Colusa Basin Drain, June

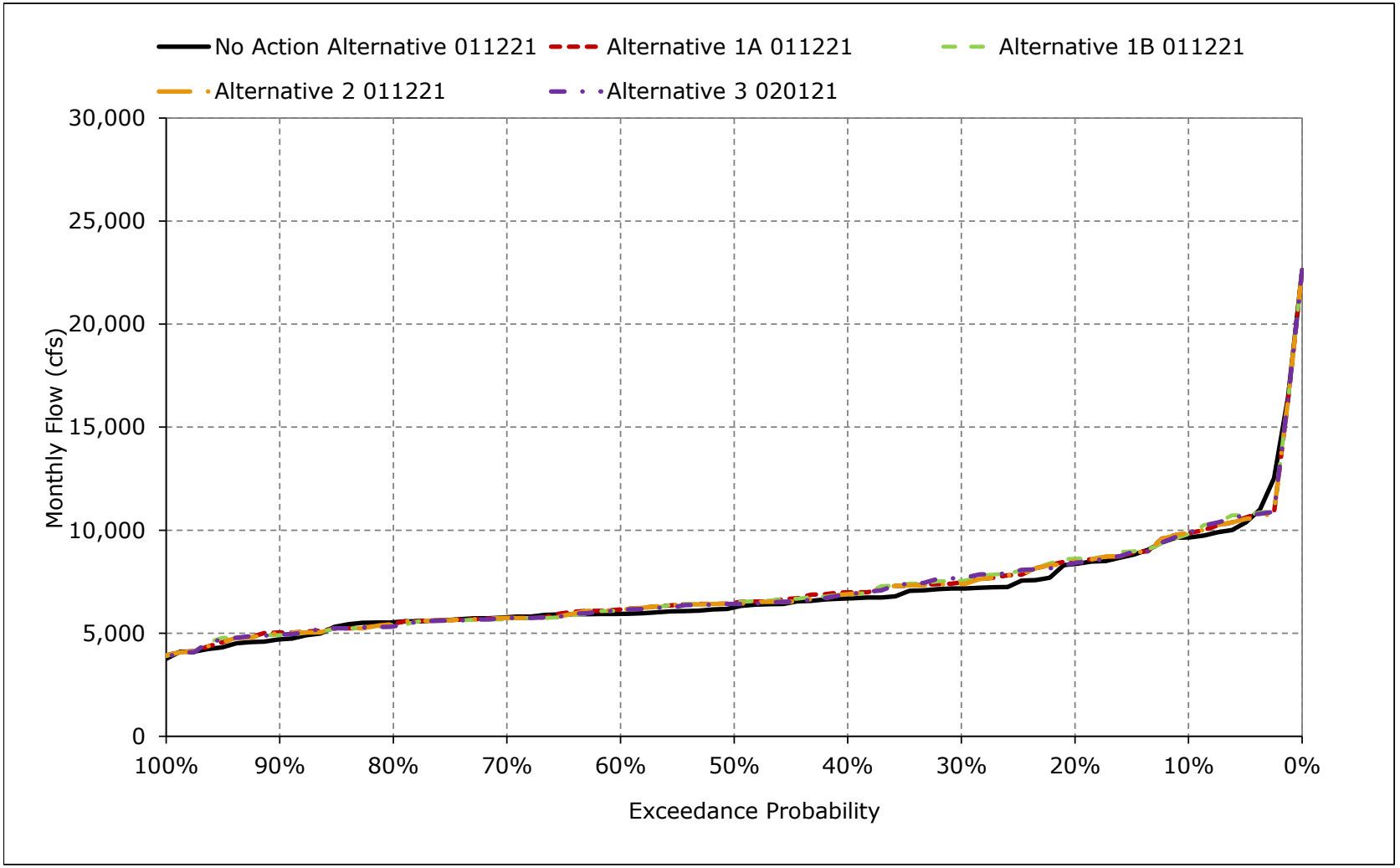


Figure 5B2-17-16. Sacramento River below Colusa Basin Drain, July

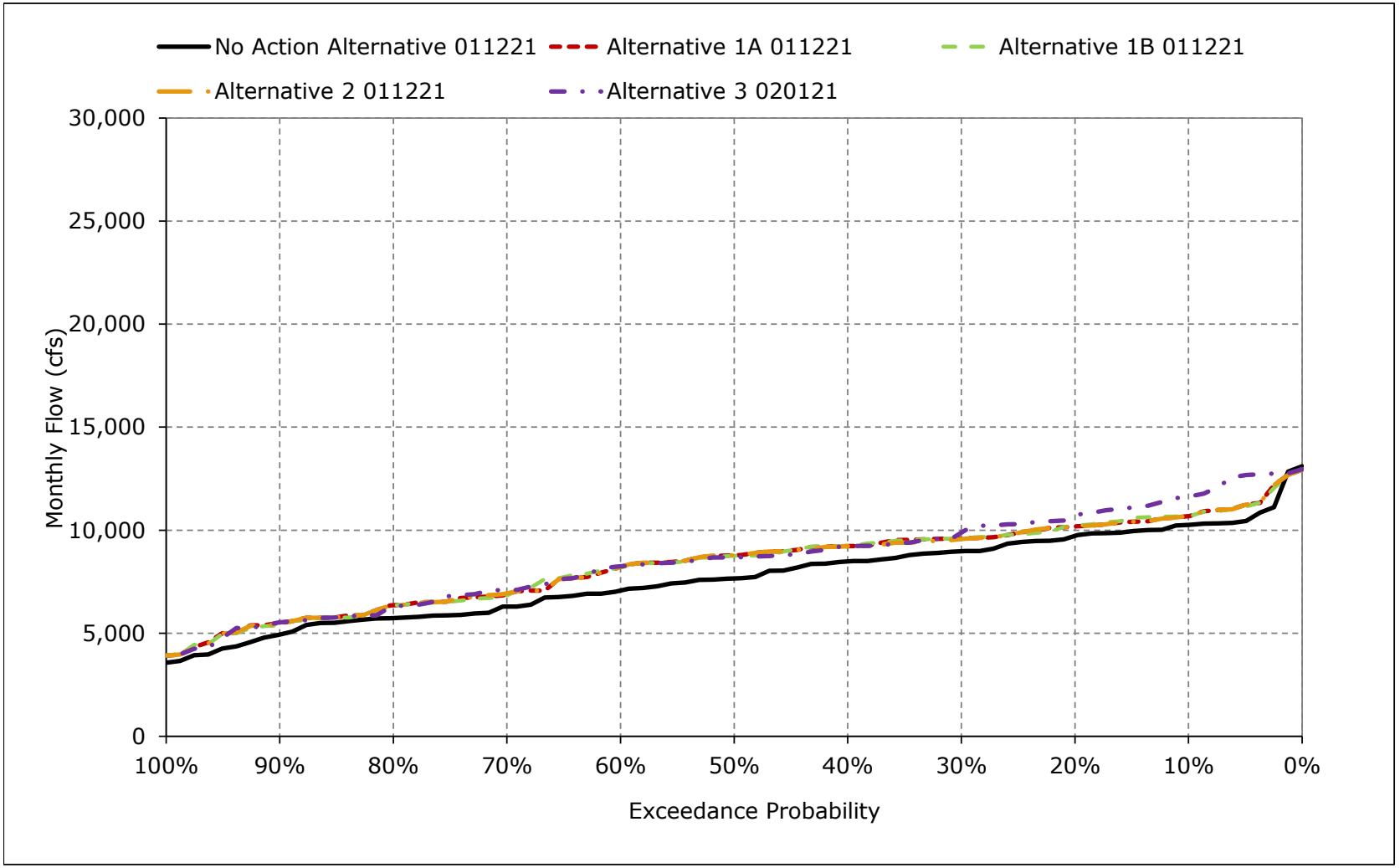


Figure 5B2-17-17. Sacramento River below Colusa Basin Drain, August

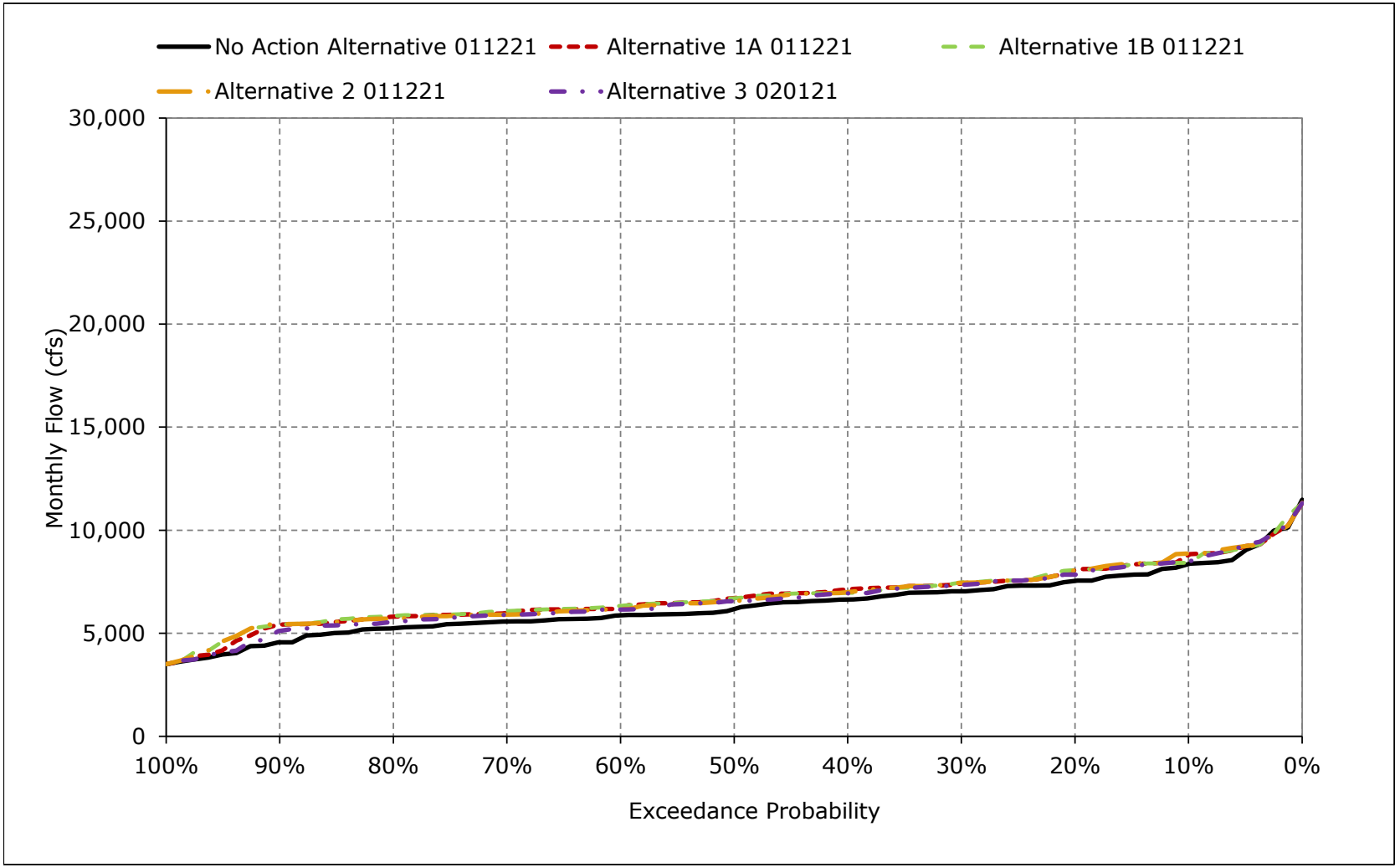


Figure 5B2-17-18. Sacramento River below Colusa Basin Drain, September

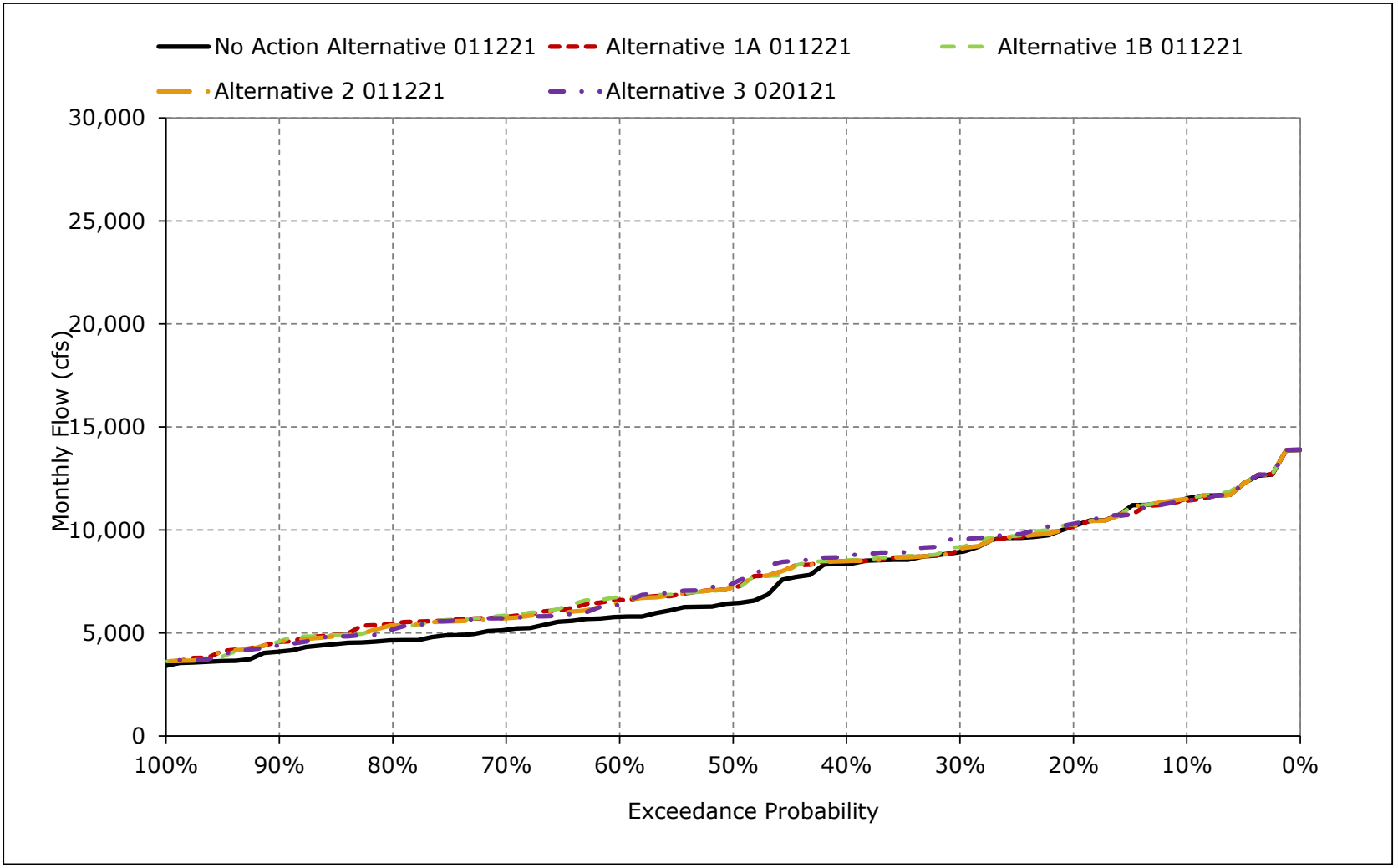


Table 5B2-18-1a. Fremont Weir Spills, No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	313	9,867	24,573	36,744	19,102	2,014	0	0	0	0	0
20%	0	19	1,862	8,468	15,364	4,967	25	0	0	0	0	0
30%	0	1	418	3,280	7,222	1,881	0	0	0	0	0	0
40%	0	0	181	998	3,864	815	0	0	0	0	0	0
50%	0	0	55	413	1,729	515	0	0	0	0	0	0
60%	0	0	22	178	627	167	0	0	0	0	0	0
70%	0	0	6	30	269	85	0	0	0	0	0	0
80%	0	0	0	4	72	6	0	0	0	0	0	0
90%	0	0	0	0	6	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	295	2,927	8,268	11,514	6,382	1,319	143	10	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	335	4,206	22,758	28,262	16,659	3,896	399	30	0	0	7
Above Normal (15%)	0	823	1,167	5,855	12,143	6,585	506	114	0	0	0	0
Below Normal (17%)	0	179	2,766	683	3,109	350	59	0	0	0	0	11
Dry (22%)	0	170	4,277	302	960	309	0	0	0	0	0	0
Critical (15%)	0	0	76	85	236	59	0	0	0	0	0	0

Table 5B2-18-1b. Fremont Weir Spills, Alternative 1A 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	311	8,998	23,445	34,187	17,967	1,143	0	0	0	0	0
20%	0	17	1,876	7,761	14,897	4,850	18	0	0	0	0	0
30%	0	1	424	2,969	6,722	1,876	0	0	0	0	0	0
40%	0	0	165	900	3,458	603	0	0	0	0	0	0
50%	0	0	52	374	1,651	370	0	0	0	0	0	0
60%	0	0	18	142	556	137	0	0	0	0	0	0
70%	0	0	4	25	240	48	0	0	0	0	0	0
80%	0	0	0	3	72	6	0	0	0	0	0	0
90%	0	0	0	0	3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	279	2,871	7,903	11,052	6,079	1,219	119	9	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	327	4,226	21,988	27,399	16,125	3,661	324	30	0	0	7
Above Normal (15%)	0	731	1,165	5,208	11,478	5,918	370	109	0	0	0	0
Below Normal (17%)	0	182	2,573	593	2,744	259	24	0	0	0	0	11
Dry (22%)	0	168	4,156	257	843	224	0	0	0	0	0	0
Critical (15%)	0	0	59	76	213	44	0	0	0	0	0	0

Table 5B2-18-1c. Fremont Weir Spills, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-2	-869	-1,129	-2,557	-1,135	-871	0	0	0	0	0
20%	0	-2	13	-707	-467	-118	-6	0	0	0	0	0
30%	0	0	5	-311	-499	-5	0	0	0	0	0	0
40%	0	0	-16	-98	-406	-211	0	0	0	0	0	0
50%	0	0	-3	-39	-78	-145	0	0	0	0	0	0
60%	0	0	-4	-36	-71	-30	0	0	0	0	0	0
70%	0	0	-2	-5	-29	-37	0	0	0	0	0	0
80%	0	0	0	-1	0	0	0	0	0	0	0	0
90%	0	0	0	0	-3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-16	-56	-365	-463	-303	-100	-24	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	-8	20	-770	-864	-535	-235	-75	-1	0	0	0
Above Normal (15%)	0	-92	-2	-647	-665	-667	-135	-5	0	0	0	0
Below Normal (17%)	0	3	-193	-90	-365	-90	-35	0	0	0	0	0
Dry (22%)	0	-2	-121	-45	-117	-85	0	0	0	0	0	0
Critical (15%)	0	0	-17	-9	-23	-15	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 5B2-18-2a. Fremont Weir Spills, No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	313	9,867	24,573	36,744	19,102	2,014	0	0	0	0	0
20%	0	19	1,862	8,468	15,364	4,967	25	0	0	0	0	0
30%	0	1	418	3,280	7,222	1,881	0	0	0	0	0	0
40%	0	0	181	998	3,864	815	0	0	0	0	0	0
50%	0	0	55	413	1,729	515	0	0	0	0	0	0
60%	0	0	22	178	627	167	0	0	0	0	0	0
70%	0	0	6	30	269	85	0	0	0	0	0	0
80%	0	0	0	4	72	6	0	0	0	0	0	0
90%	0	0	0	0	6	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	295	2,927	8,268	11,514	6,382	1,319	143	10	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	335	4,206	22,758	28,262	16,659	3,896	399	30	0	0	7
Above Normal (15%)	0	823	1,167	5,855	12,143	6,585	506	114	0	0	0	0
Below Normal (17%)	0	179	2,766	683	3,109	350	59	0	0	0	0	11
Dry (22%)	0	170	4,277	302	960	309	0	0	0	0	0	0
Critical (15%)	0	0	76	85	236	59	0	0	0	0	0	0

Table 5B2-18-2b. Fremont Weir Spills, Alternative 1B 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	308	8,773	23,417	33,964	17,968	1,143	0	0	0	0	0
20%	0	19	1,954	7,708	14,625	4,856	18	0	0	0	0	0
30%	0	1	404	2,969	6,724	1,877	0	0	0	0	0	0
40%	0	0	170	900	3,484	603	0	0	0	0	0	0
50%	0	0	52	377	1,653	353	0	0	0	0	0	0
60%	0	0	18	142	561	137	0	0	0	0	0	0
70%	0	0	4	25	240	48	0	0	0	0	0	0
80%	0	0	0	3	72	6	0	0	0	0	0	0
90%	0	0	0	0	4	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	286	2,866	7,885	10,997	6,074	1,197	119	9	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	327	4,256	21,931	27,222	16,111	3,593	325	30	0	0	7
Above Normal (15%)	0	756	1,154	5,210	11,421	5,922	370	109	0	0	0	0
Below Normal (17%)	0	194	2,585	595	2,785	260	24	0	0	0	0	13
Dry (22%)	0	176	4,088	255	856	220	0	0	0	0	0	0
Critical (15%)	0	0	60	76	213	44	0	0	0	0	0	0

Table 5B2-18-2c. Fremont Weir Spills, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	-1,095	-1,156	-2,780	-1,134	-871	0	0	0	0	0
20%	0	0	92	-760	-739	-111	-6	0	0	0	0	0
30%	0	0	-15	-311	-498	-4	0	0	0	0	0	0
40%	0	0	-11	-98	-379	-212	0	0	0	0	0	0
50%	0	0	-3	-36	-76	-162	0	0	0	0	0	0
60%	0	0	-4	-35	-66	-30	0	0	0	0	0	0
70%	0	0	-2	-5	-29	-37	0	0	0	0	0	0
80%	0	0	0	-1	0	0	0	0	0	0	0	0
90%	0	0	0	0	-3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-9	-61	-383	-517	-308	-122	-24	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	-8	50	-827	-1,041	-548	-304	-75	-1	0	0	0
Above Normal (15%)	0	-68	-13	-645	-721	-663	-135	-5	0	0	0	0
Below Normal (17%)	0	15	-181	-88	-324	-89	-35	0	0	0	0	2
Dry (22%)	0	6	-189	-46	-105	-89	0	0	0	0	0	0
Critical (15%)	0	0	-16	-9	-23	-15	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 5B2-18-3a. Fremont Weir Spills, No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	313	9,867	24,573	36,744	19,102	2,014	0	0	0	0	0
20%	0	19	1,862	8,468	15,364	4,967	25	0	0	0	0	0
30%	0	1	418	3,280	7,222	1,881	0	0	0	0	0	0
40%	0	0	181	998	3,864	815	0	0	0	0	0	0
50%	0	0	55	413	1,729	515	0	0	0	0	0	0
60%	0	0	22	178	627	167	0	0	0	0	0	0
70%	0	0	6	30	269	85	0	0	0	0	0	0
80%	0	0	0	4	72	6	0	0	0	0	0	0
90%	0	0	0	0	6	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	295	2,927	8,268	11,514	6,382	1,319	143	10	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	335	4,206	22,758	28,262	16,659	3,896	399	30	0	0	7
Above Normal (15%)	0	823	1,167	5,855	12,143	6,585	506	114	0	0	0	0
Below Normal (17%)	0	179	2,766	683	3,109	350	59	0	0	0	0	11
Dry (22%)	0	170	4,277	302	960	309	0	0	0	0	0	0
Critical (15%)	0	0	76	85	236	59	0	0	0	0	0	0

Table 5B2-18-3b. Fremont Weir Spills, Alternative 2 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	311	9,005	23,473	34,187	18,867	1,143	0	0	0	0	0
20%	0	17	1,904	7,771	14,921	4,849	18	0	0	0	0	0
30%	0	1	424	3,051	6,724	1,877	0	0	0	0	0	0
40%	0	0	165	900	3,459	603	0	0	0	0	0	0
50%	0	0	52	374	1,651	370	0	0	0	0	0	0
60%	0	0	18	142	561	137	0	0	0	0	0	0
70%	0	0	4	25	240	48	0	0	0	0	0	0
80%	0	0	0	3	72	6	0	0	0	0	0	0
90%	0	0	0	0	3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	278	2,875	7,899	11,078	6,105	1,229	119	9	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	327	4,229	21,975	27,478	16,205	3,692	325	30	0	0	7
Above Normal (15%)	0	733	1,164	5,208	11,495	5,924	370	109	0	0	0	0
Below Normal (17%)	0	173	2,589	593	2,737	260	24	0	0	0	0	11
Dry (22%)	0	168	4,159	257	843	225	0	0	0	0	0	0
Critical (15%)	0	0	59	76	213	44	0	0	0	0	0	0

Table 5B2-18-3c. Fremont Weir Spills, Alternative 2 011221 minus No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-2	-863	-1,101	-2,557	-235	-871	0	0	0	0	0
20%	0	-2	41	-697	-443	-118	-6	0	0	0	0	0
30%	0	0	6	-229	-498	-5	0	0	0	0	0	0
40%	0	0	-16	-98	-405	-211	0	0	0	0	0	0
50%	0	0	-3	-39	-78	-146	0	0	0	0	0	0
60%	0	0	-4	-36	-66	-30	0	0	0	0	0	0
70%	0	0	-2	-5	-29	-37	0	0	0	0	0	0
80%	0	0	0	-1	0	0	0	0	0	0	0	0
90%	0	0	0	0	-3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-17	-52	-369	-436	-277	-91	-24	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	-8	22	-783	-784	-454	-204	-75	-1	0	0	0
Above Normal (15%)	0	-90	-2	-647	-648	-661	-135	-5	0	0	0	0
Below Normal (17%)	0	-6	-177	-90	-372	-89	-35	0	0	0	0	0
Dry (22%)	0	-1	-118	-45	-117	-84	0	0	0	0	0	0
Critical (15%)	0	0	-17	-9	-23	-15	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 5B2-18-4a. Fremont Weir Spills, No Action Alternative 011221, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	313	9,867	24,573	36,744	19,102	2,014	0	0	0	0	0
20%	0	19	1,862	8,468	15,364	4,967	25	0	0	0	0	0
30%	0	1	418	3,280	7,222	1,881	0	0	0	0	0	0
40%	0	0	181	998	3,864	815	0	0	0	0	0	0
50%	0	0	55	413	1,729	515	0	0	0	0	0	0
60%	0	0	22	178	627	167	0	0	0	0	0	0
70%	0	0	6	30	269	85	0	0	0	0	0	0
80%	0	0	0	4	72	6	0	0	0	0	0	0
90%	0	0	0	0	6	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	295	2,927	8,268	11,514	6,382	1,319	143	10	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	335	4,206	22,758	28,262	16,659	3,896	399	30	0	0	7
Above Normal (15%)	0	823	1,167	5,855	12,143	6,585	506	114	0	0	0	0
Below Normal (17%)	0	179	2,766	683	3,109	350	59	0	0	0	0	11
Dry (22%)	0	170	4,277	302	960	309	0	0	0	0	0	0
Critical (15%)	0	0	76	85	236	59	0	0	0	0	0	0

Table 5B2-18-4b. Fremont Weir Spills, Alternative 3 020121, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	315	8,755	23,456	33,890	17,380	1,143	0	0	0	0	0
20%	0	18	2,007	8,004	14,034	4,370	18	0	0	0	0	0
30%	0	0	416	2,971	6,620	1,877	0	0	0	0	0	0
40%	0	0	170	900	3,962	603	0	0	0	0	0	0
50%	0	0	51	376	1,653	353	0	0	0	0	0	0
60%	0	0	18	142	560	137	0	0	0	0	0	0
70%	0	0	5	25	241	49	0	0	0	0	0	0
80%	0	0	0	3	70	7	0	0	0	0	0	0
90%	0	0	0	0	4	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	292	2,897	7,891	11,048	6,016	1,145	116	9	0	0	4
Water Year Types[b,c]												
Wet (32%)	0	327	4,253	21,933	27,341	15,951	3,428	316	30	0	0	7
Above Normal (15%)	0	802	1,098	5,250	11,606	5,861	371	109	0	0	0	0
Below Normal (17%)	0	189	2,623	594	2,705	259	24	0	0	0	0	12
Dry (22%)	0	178	4,244	256	856	227	0	0	0	0	0	0
Critical (15%)	0	0	60	77	213	45	0	0	0	0	0	0

Table 5B2-18-4c. Fremont Weir Spills, Alternative 3 020121 minus No Action Alternative 011221, Monthly Spills (cfs)

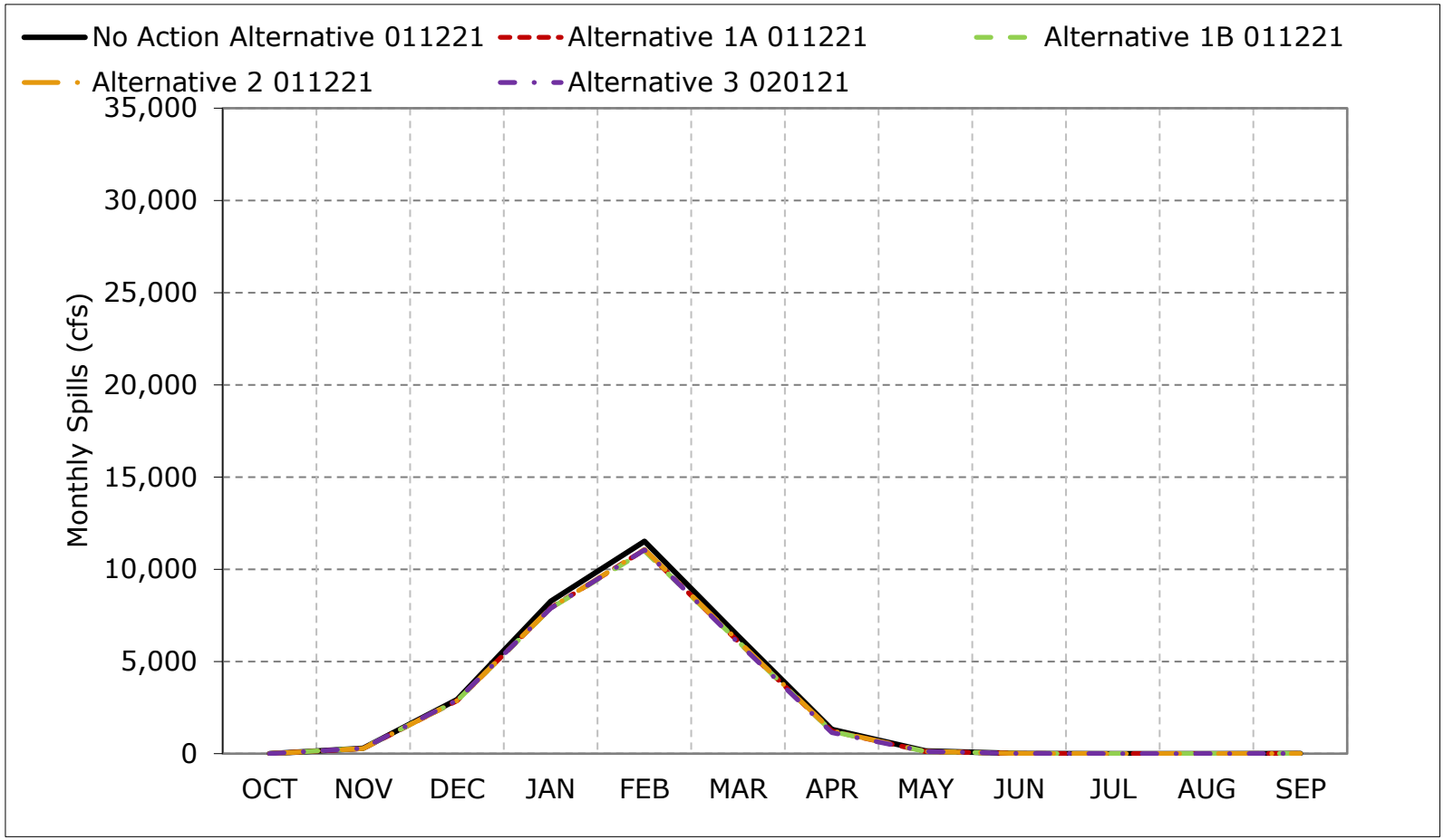
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	2	-1,112	-1,118	-2,854	-1,721	-871	0	0	0	0	0
20%	0	-1	145	-464	-1,330	-597	-6	0	0	0	0	0
30%	0	-1	-3	-309	-602	-5	0	0	0	0	0	0
40%	0	0	-11	-98	98	-211	0	0	0	0	0	0
50%	0	0	-3	-37	-76	-162	0	0	0	0	0	0
60%	0	0	-4	-35	-67	-30	0	0	0	0	0	0
70%	0	0	-1	-4	-28	-36	0	0	0	0	0	0
80%	0	0	0	-1	-2	1	0	0	0	0	0	0
90%	0	0	0	0	-3	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-2	-29	-377	-466	-366	-174	-27	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	-8	47	-825	-922	-709	-469	-83	-1	0	0	0
Above Normal (15%)	0	-21	-69	-605	-537	-724	-135	-5	0	0	0	0
Below Normal (17%)	0	10	-143	-88	-404	-90	-35	0	0	0	0	1
Dry (22%)	0	8	-33	-46	-105	-82	0	0	0	0	0	0
Critical (15%)	0	0	-16	-9	-23	-14	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).

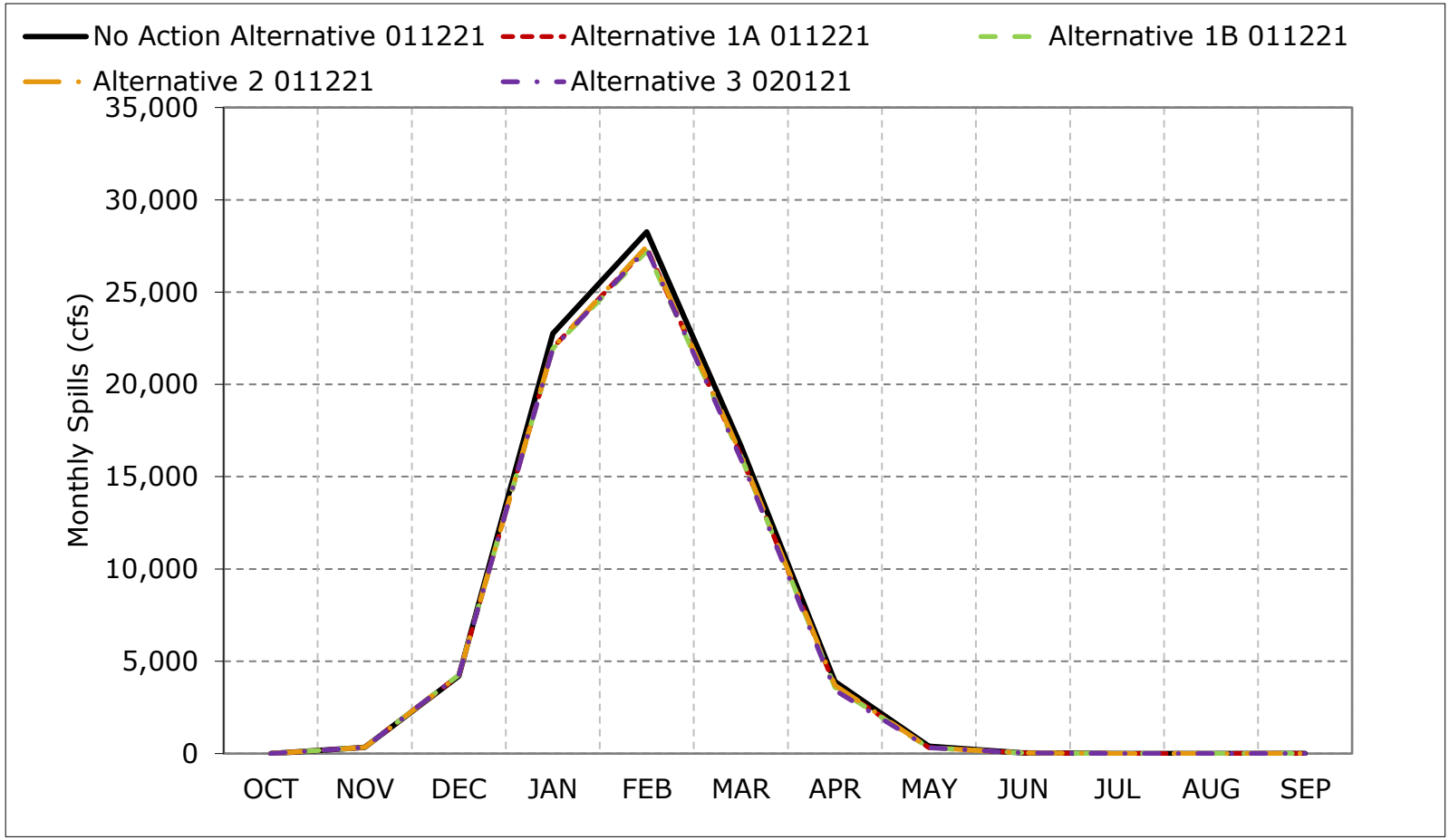
c These results are displayed with calendar year - year type sorting.

Figure 5B2-18-1. Fremont Weir Spills, Long-Term Average Spills



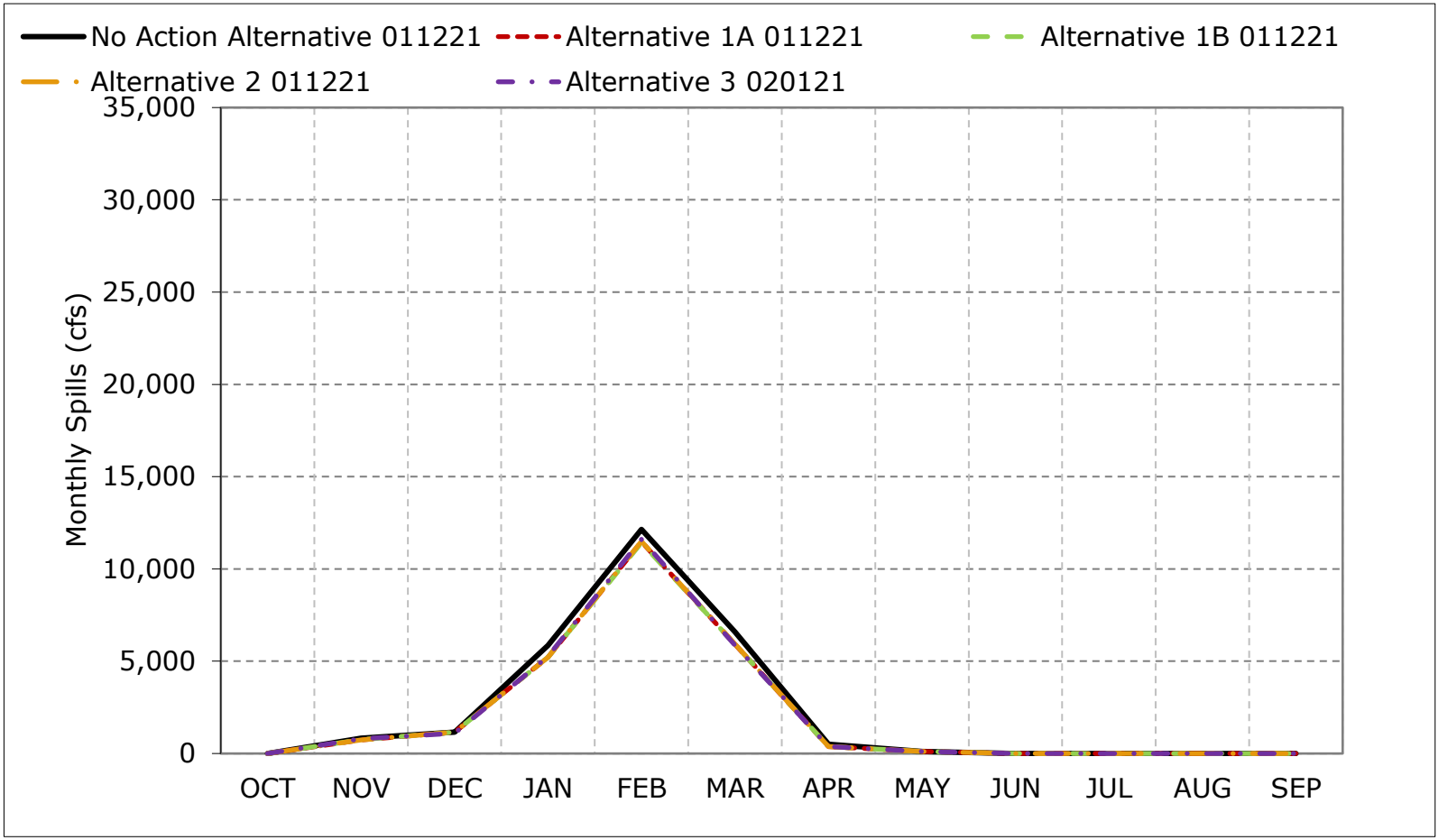
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-18-2. Fremont Weir Spills, Wet Year Average Spills



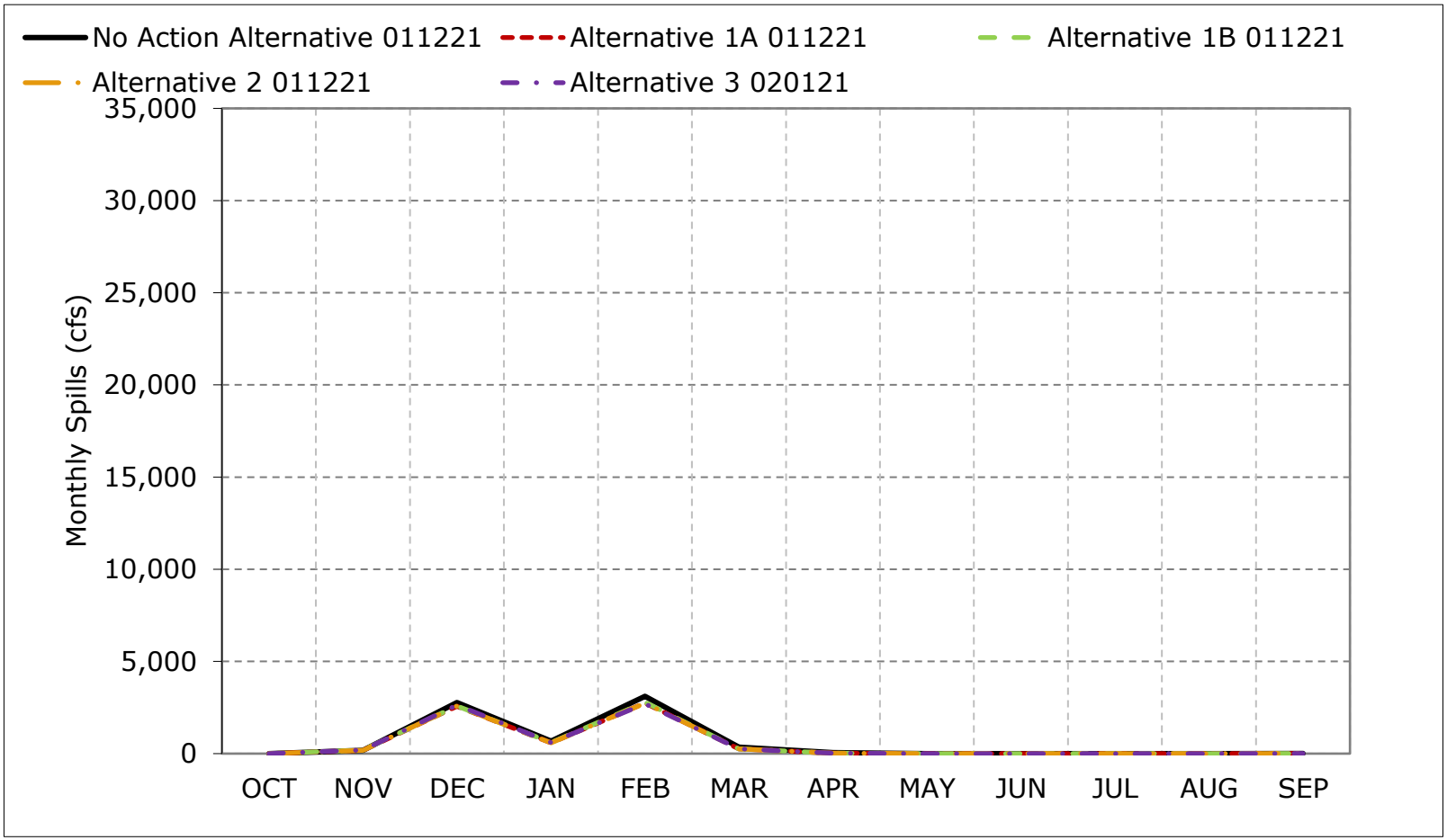
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-18-3. Fremont Weir Spills, Above Normal Year Average Spills



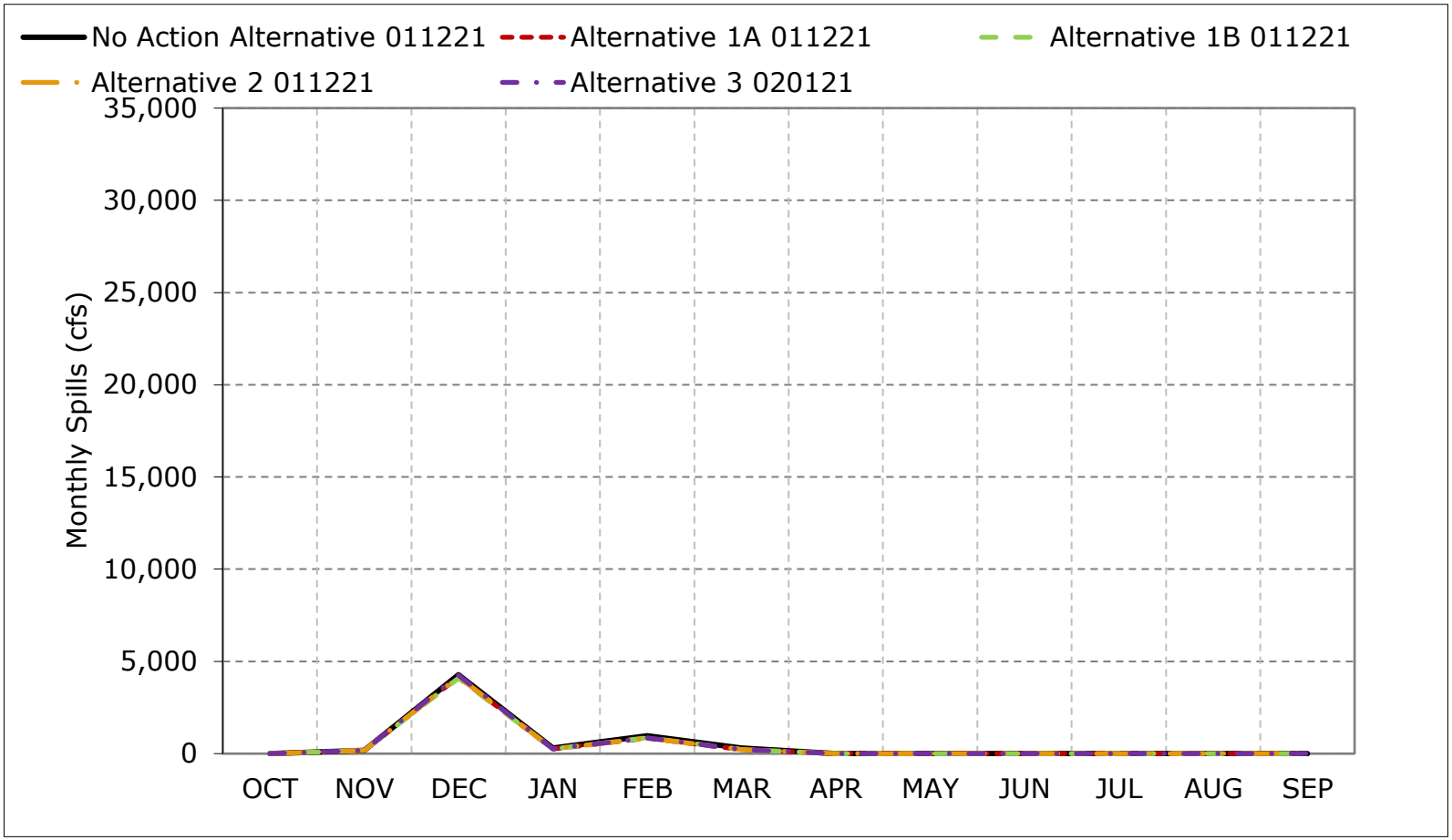
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-18-4. Fremont Weir Spills, Below Normal Year Average Spills



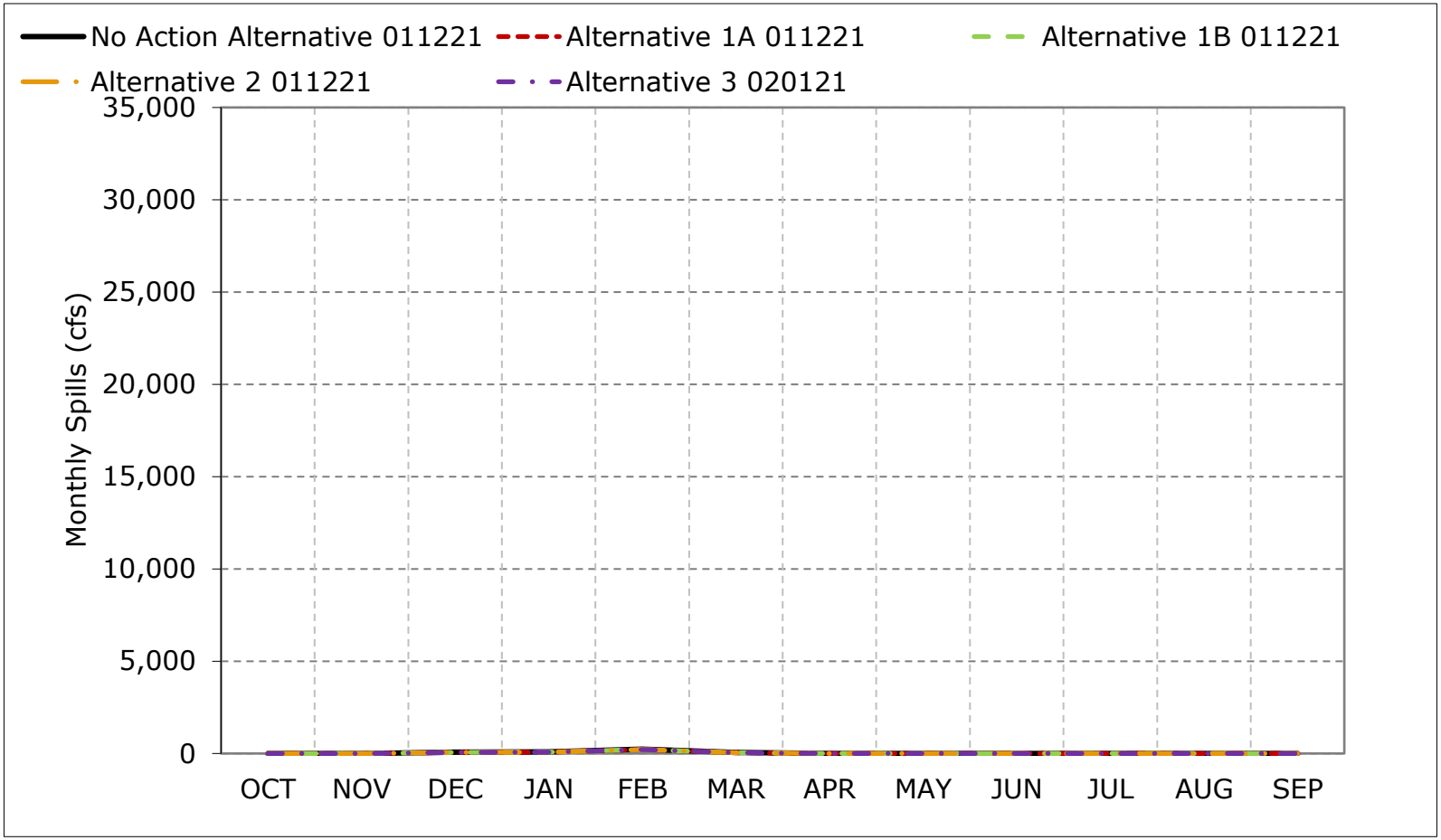
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-18-5. Fremont Weir Spills, Dry Year Average Spills



*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 5B2-18-6. Fremont Weir Spills, Critical Year Average Spills



*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 5B2-18-7. Fremont Weir Spills, October

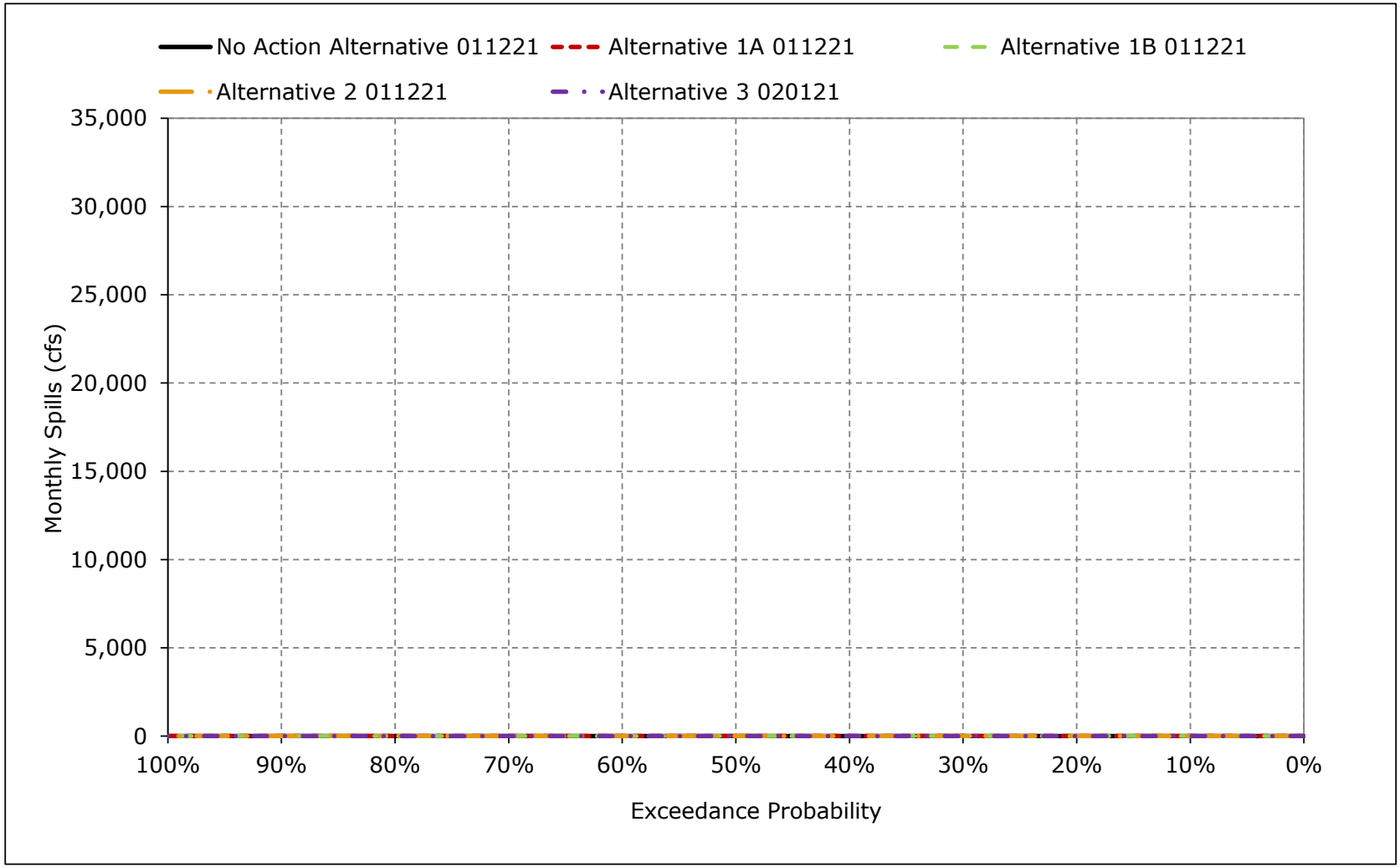


Figure 5B2-18-8. Fremont Weir Spills, November

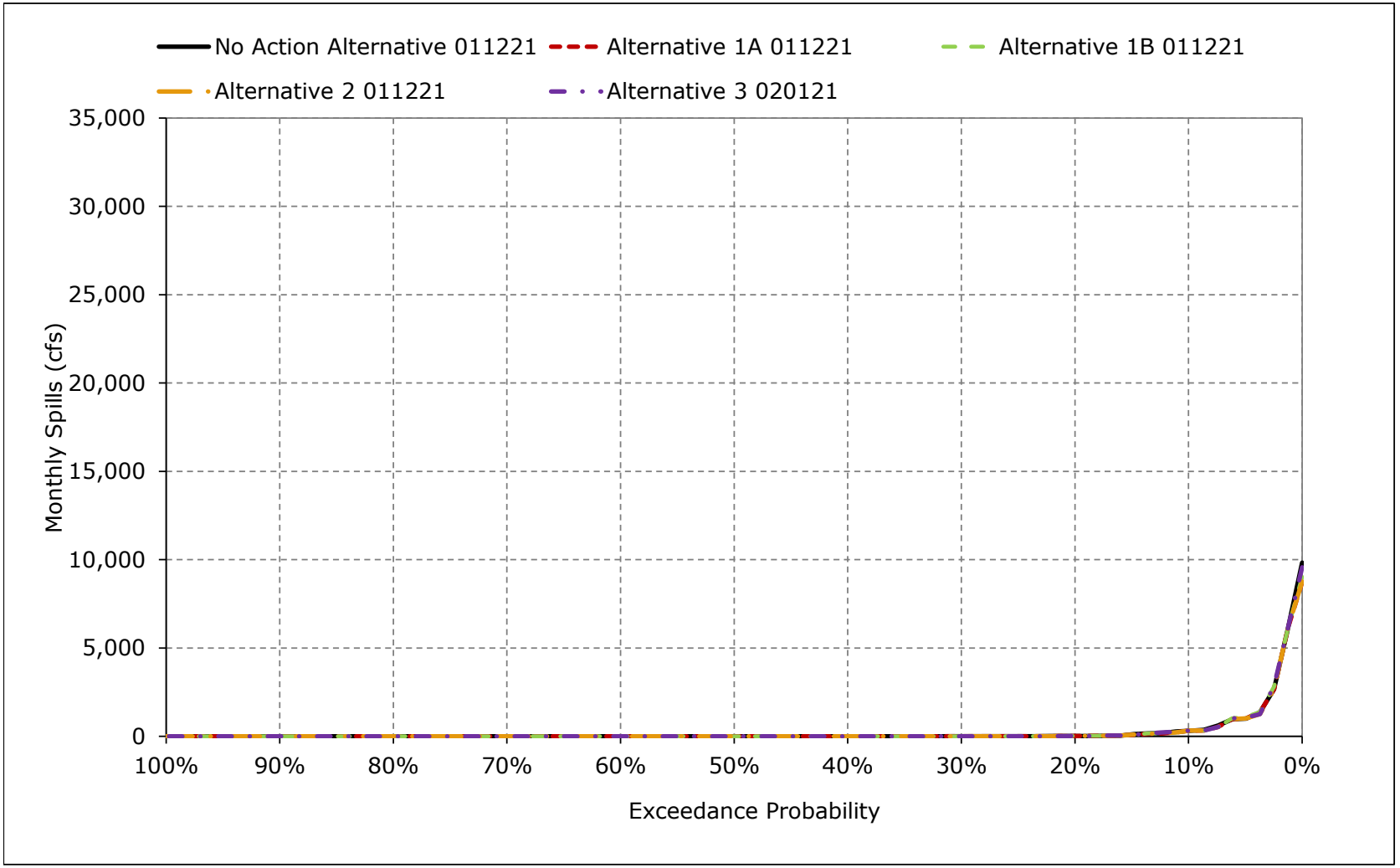


Figure 5B2-18-9. Fremont Weir Spills, December

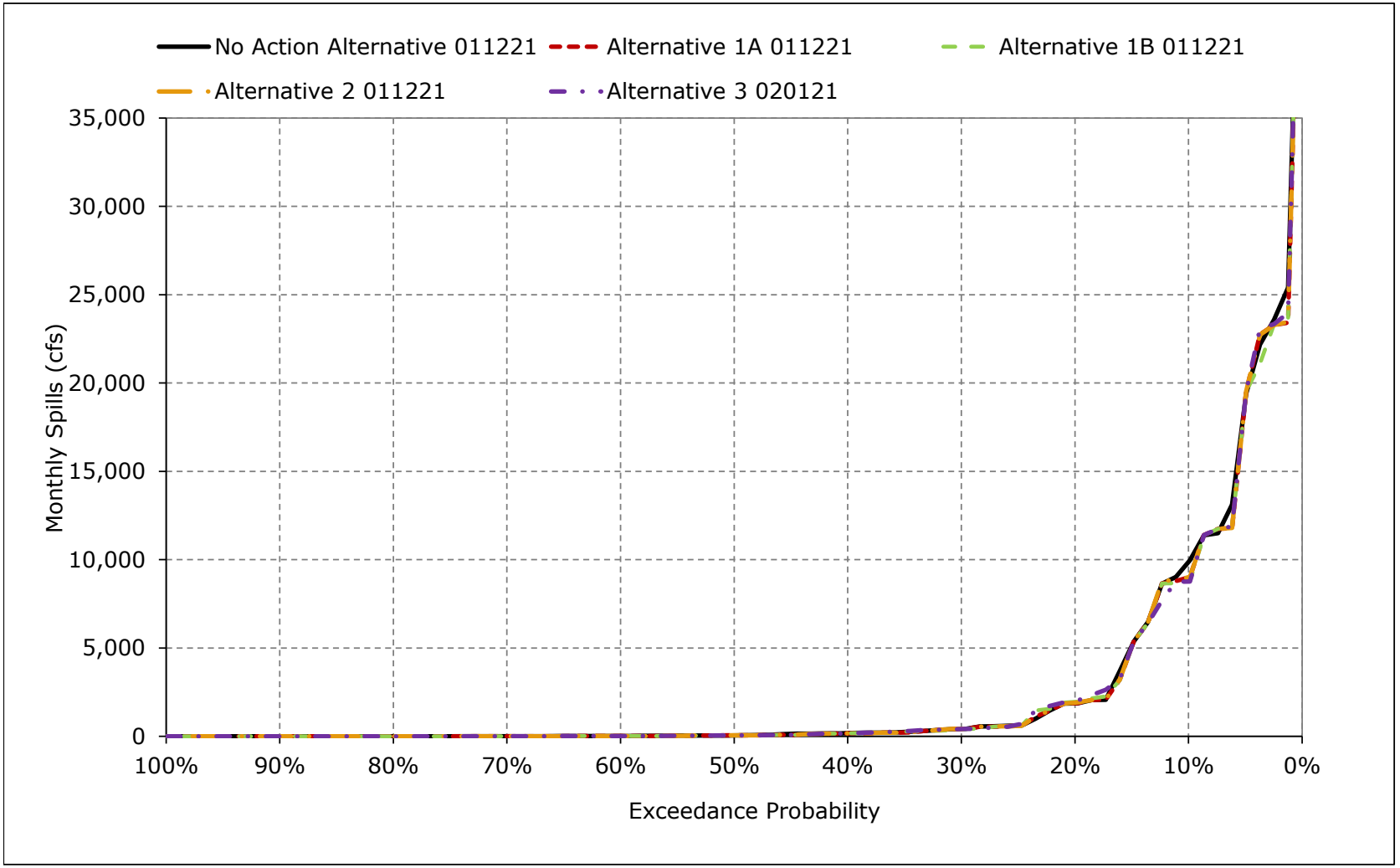


Figure 5B2-18-10. Fremont Weir Spills, January

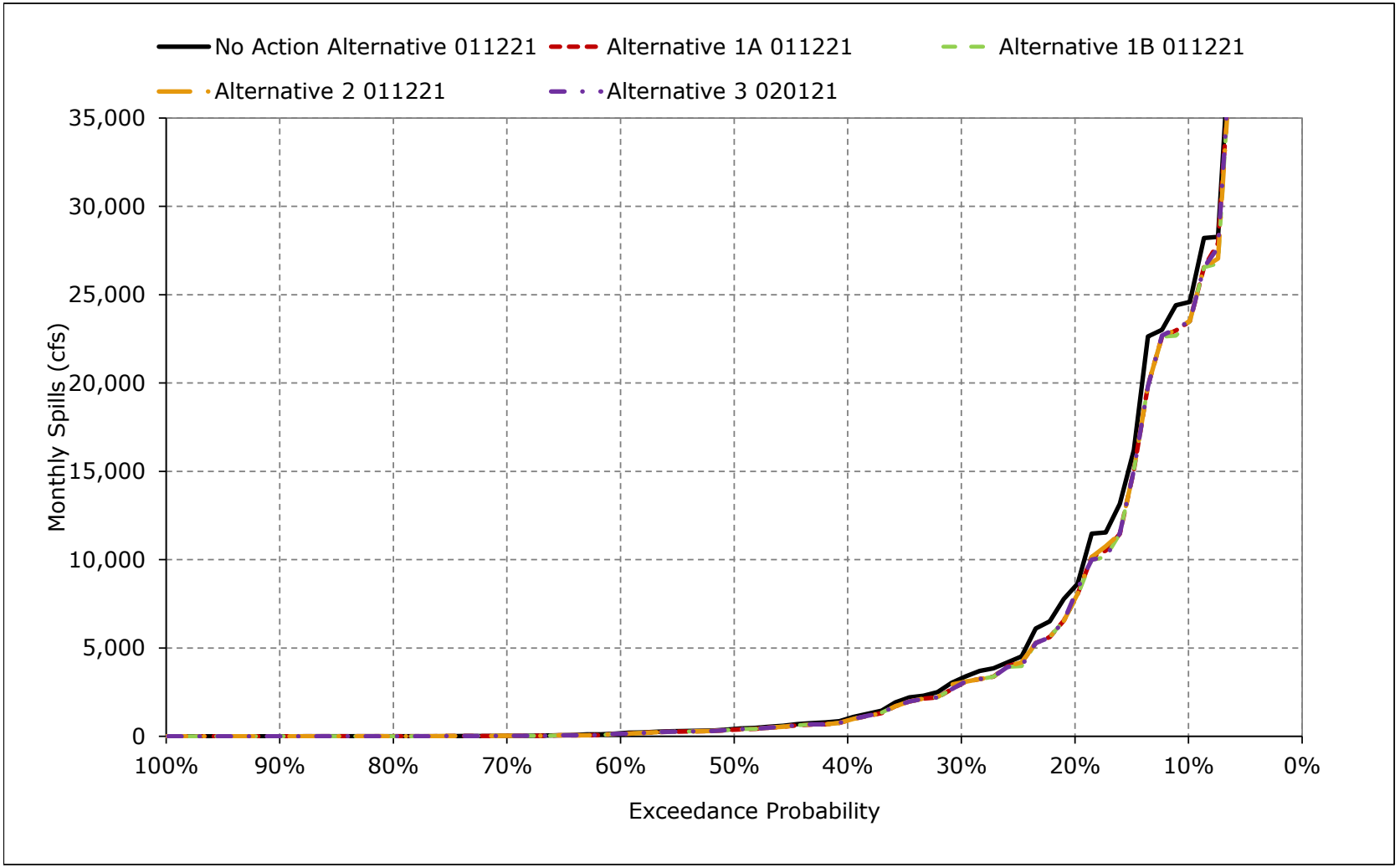


Figure 5B2-18-11. Fremont Weir Spills, February

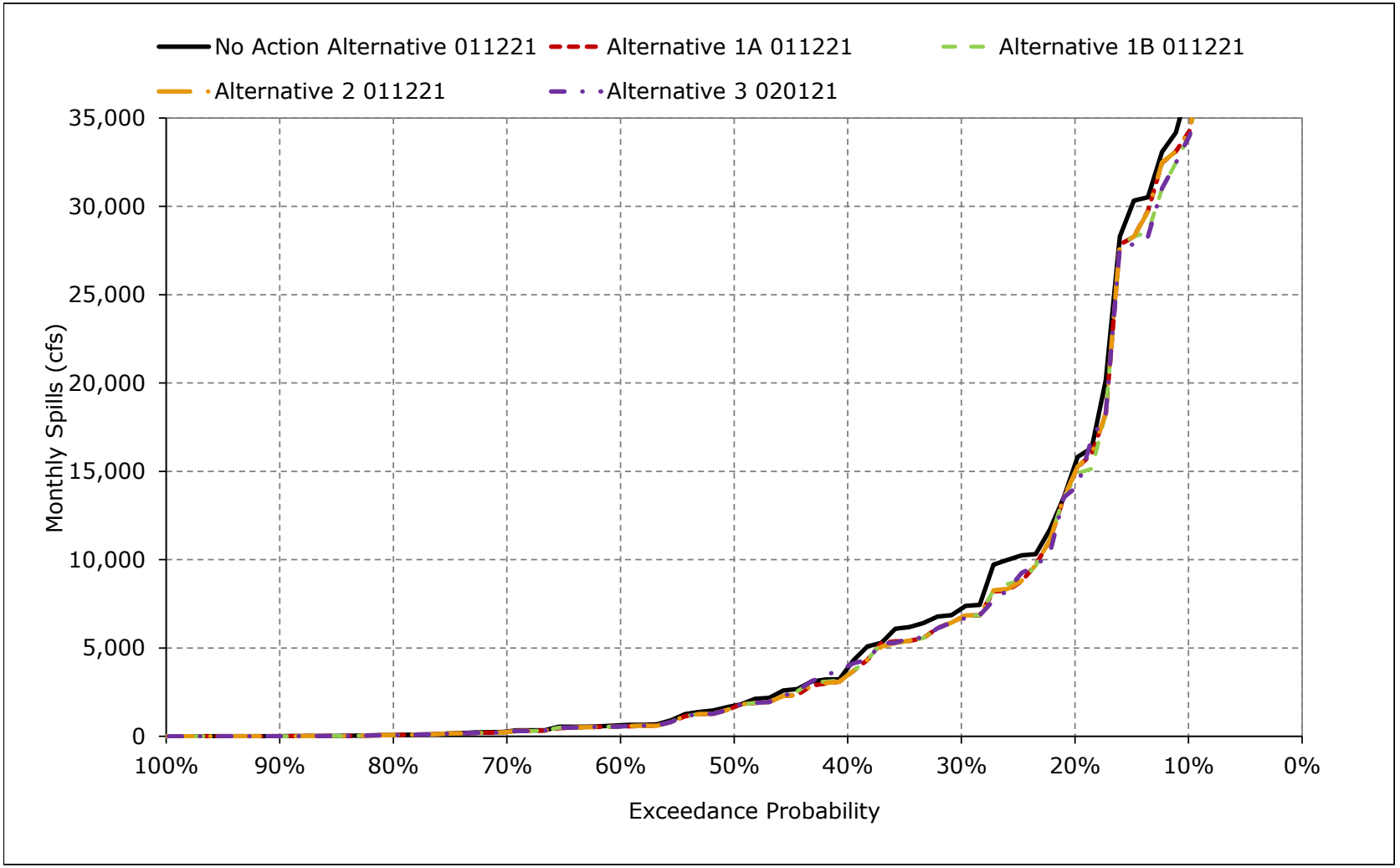


Figure 5B2-18-12. Fremont Weir Spills, March

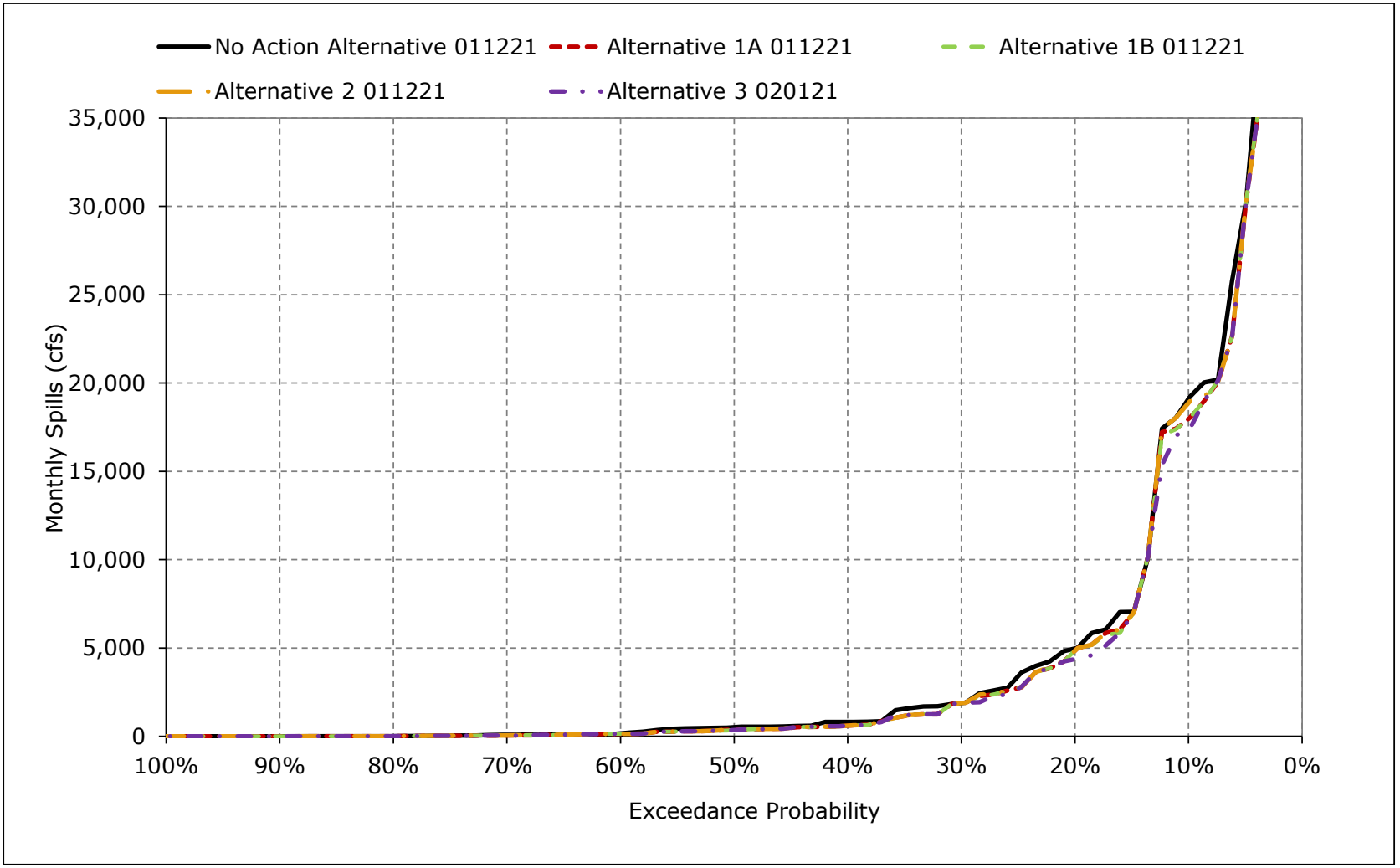


Figure 5B2-18-13. Fremont Weir Spills, April

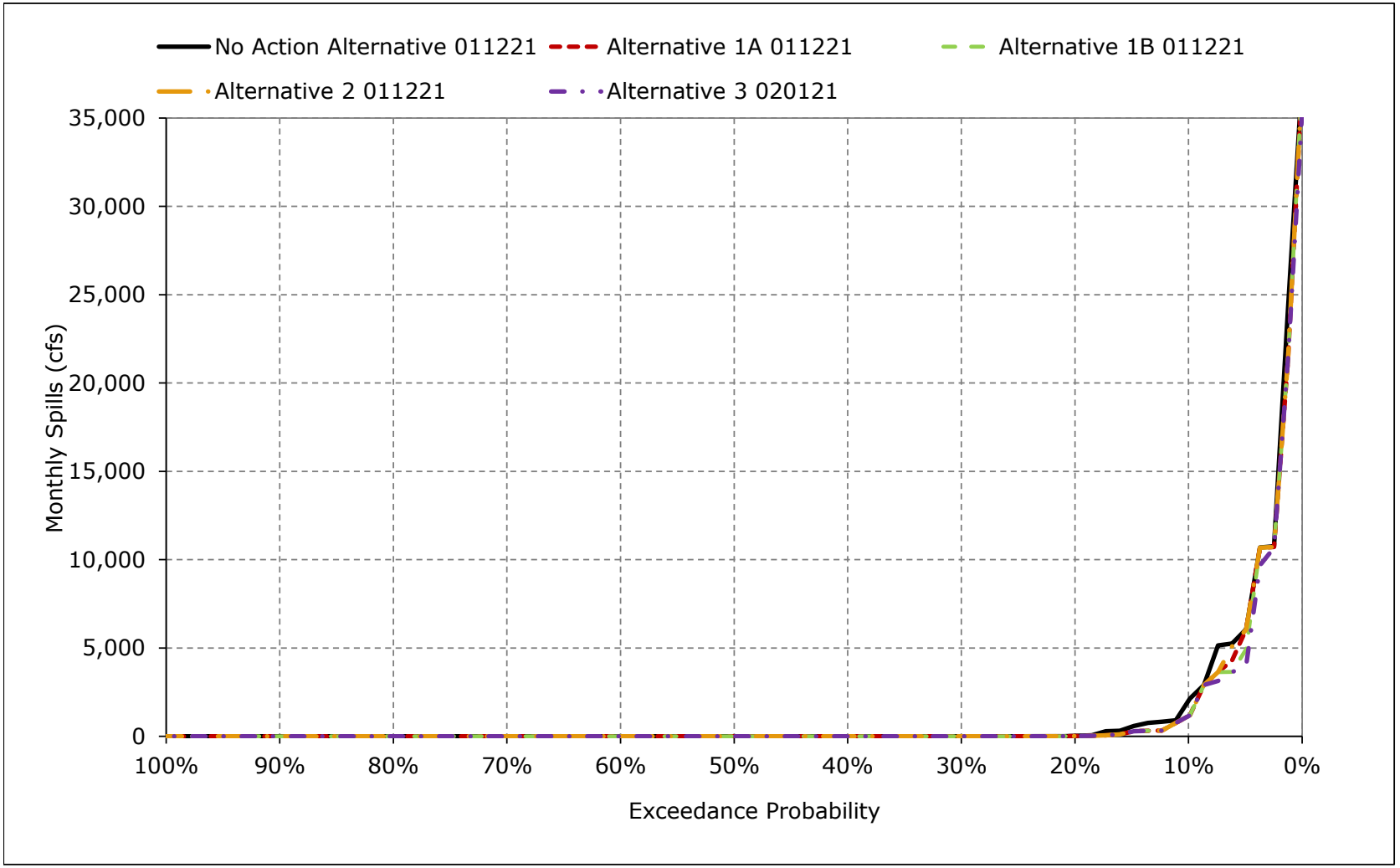


Figure 5B2-18-14. Fremont Weir Spills, May

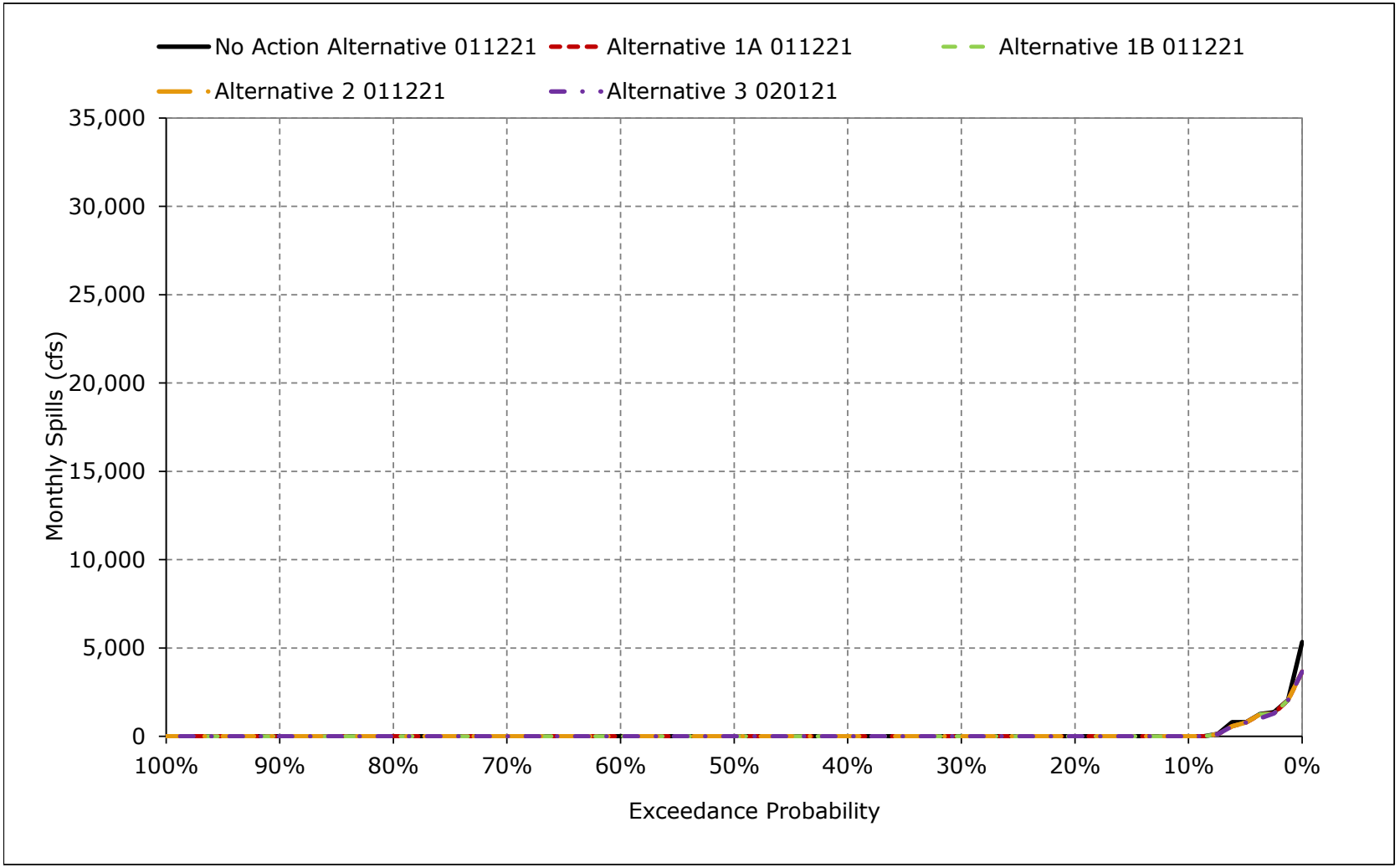


Figure 5B2-18-15. Fremont Weir Spills, June

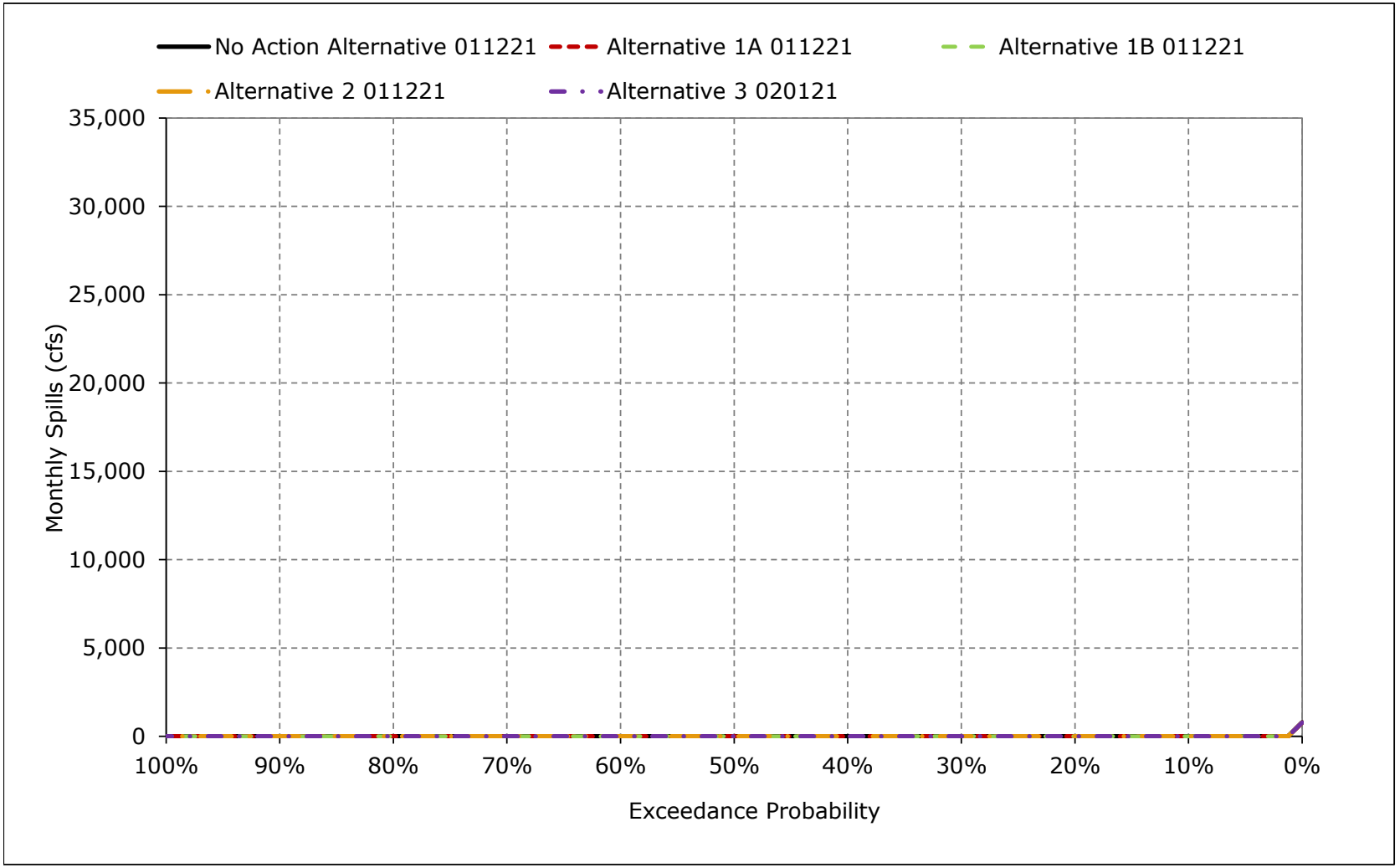


Figure 5B2-18-16. Fremont Weir Spills, July

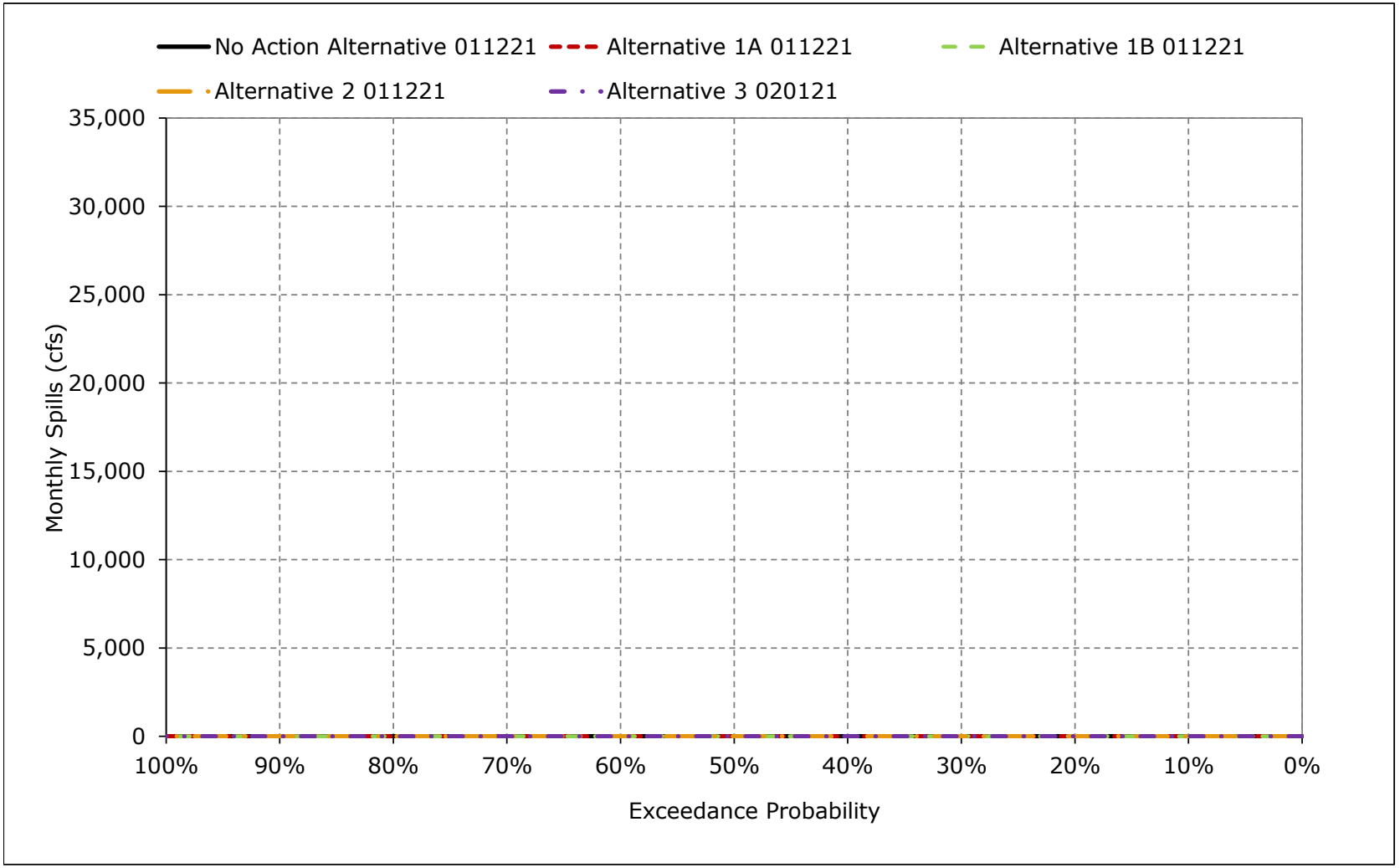


Figure 5B2-18-17. Fremont Weir Spills, August

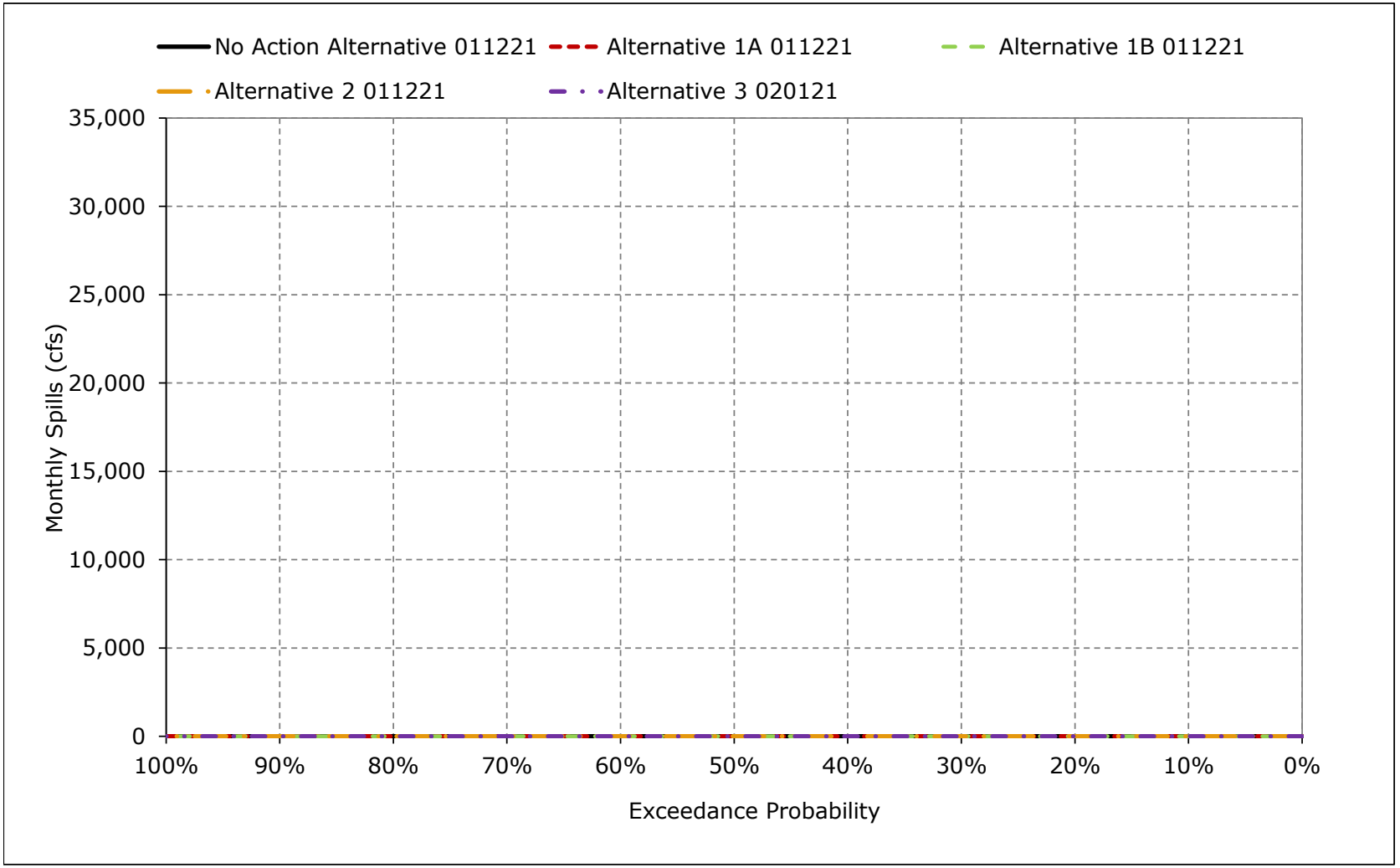


Figure 5B2-18-18. Fremont Weir Spills, September

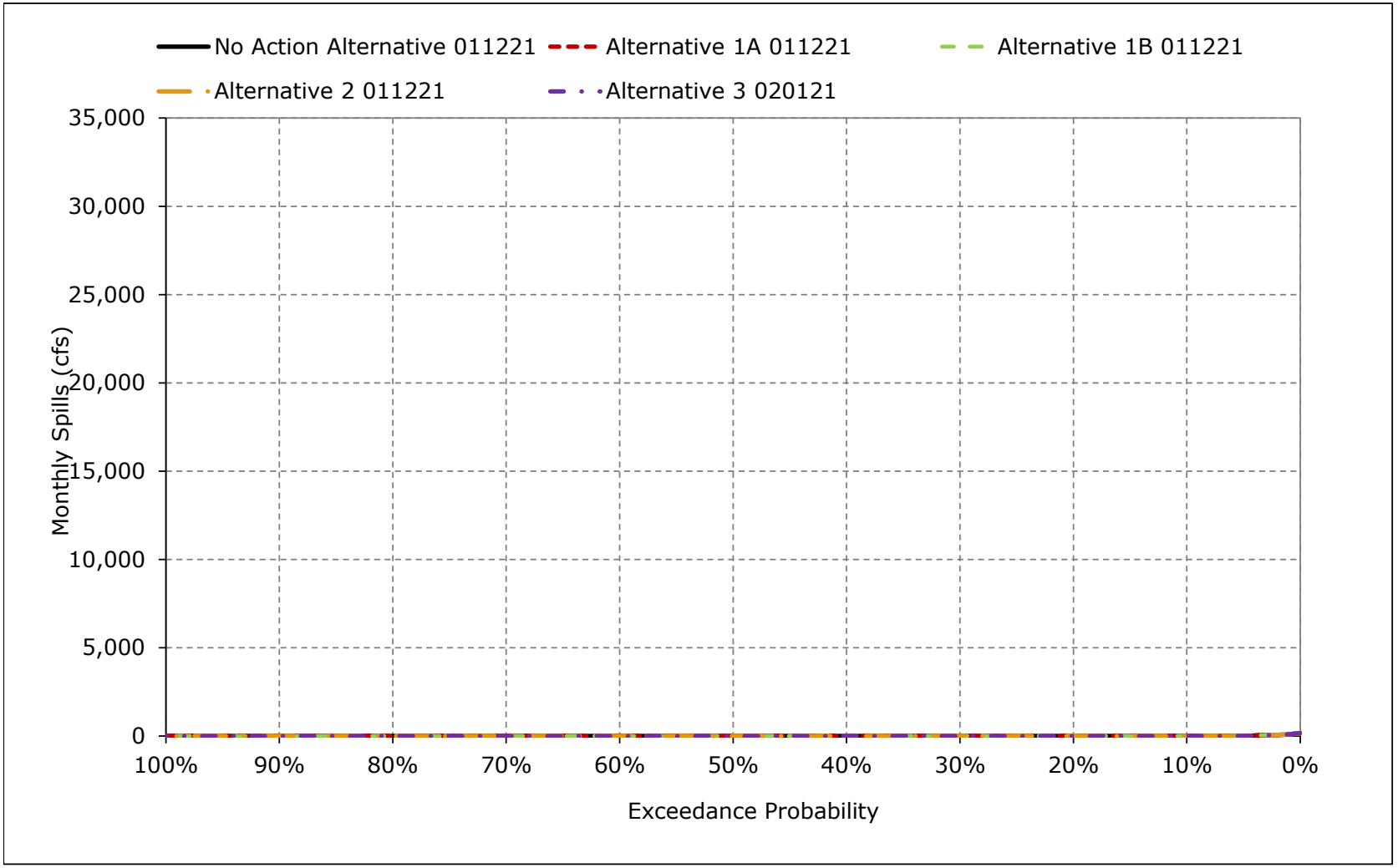


Table 5B2-19-1a. Lake Oroville Storage, No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,757	2,763	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,382	3,151	2,796
20%	2,229	2,325	2,562	2,788	2,802	2,990	3,297	3,538	3,538	3,089	2,789	2,408
30%	2,028	2,086	2,204	2,572	2,788	2,933	3,270	3,538	3,532	3,012	2,597	2,134
40%	1,764	1,867	1,979	2,371	2,702	2,841	3,221	3,438	3,314	2,790	2,364	1,937
50%	1,604	1,602	1,731	2,117	2,474	2,788	3,154	3,238	3,056	2,458	1,996	1,737
60%	1,503	1,488	1,597	1,688	2,003	2,485	2,758	2,808	2,710	2,183	1,699	1,594
70%	1,390	1,303	1,259	1,492	1,783	2,134	2,464	2,584	2,307	1,684	1,590	1,501
80%	1,279	1,165	1,201	1,363	1,679	1,924	2,120	2,132	1,958	1,565	1,435	1,363
90%	986	1,007	1,049	1,237	1,424	1,623	1,766	1,786	1,590	1,329	1,183	1,059
Long Term												
Full Simulation Period[a]	1,747	1,722	1,822	2,026	2,264	2,495	2,776	2,900	2,766	2,355	2,088	1,867
Water Year Types[b,c]												
Wet (32%)	2,448	2,413	2,430	2,617	2,855	2,945	3,304	3,508	3,488	3,191	2,964	2,624
Above Normal (15%)	1,897	1,860	1,924	2,116	2,480	2,913	3,295	3,493	3,402	2,899	2,483	2,047
Below Normal (17%)	1,633	1,615	1,785	1,889	2,152	2,438	2,815	3,013	2,907	2,338	1,866	1,711
Dry (22%)	1,307	1,293	1,513	1,610	1,831	2,152	2,354	2,375	2,094	1,619	1,482	1,409
Critical (15%)	867	855	910	1,440	1,546	1,686	1,702	1,649	1,410	1,124	965	914

Table 5B2-19-1b. Lake Oroville 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%	2,694	2,728	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,400	3,144	2,817
20%	2,229	2,319	2,522	2,788	2,796	2,990	3,297	3,538	3,538	3,089	2,785	2,412
30%	2,027	2,115	2,202	2,570	2,788	2,933	3,272	3,538	3,533	3,028	2,600	2,147
40%	1,768	1,856	1,976	2,371	2,697	2,827	3,219	3,445	3,317	2,790	2,363	1,939
50%	1,614	1,602	1,747	2,119	2,473	2,788	3,154	3,237	3,059	2,477	2,015	1,765
60%	1,541	1,485	1,597	1,679	2,041	2,485	2,745	2,796	2,717	2,191	1,717	1,634
70%	1,387	1,285	1,271	1,481	1,767	2,120	2,463	2,579	2,304	1,719	1,599	1,509
80%	1,284	1,189	1,182	1,343	1,645	1,898	2,069	2,120	2,004	1,663	1,506	1,416
90%	969	1,005	1,033	1,230	1,391	1,587	1,765	1,773	1,651	1,406	1,210	1,085
Long Term												
Full Simulation Period[a]	1,744	1,715	1,815	2,019	2,256	2,489	2,770	2,893	2,776	2,377	2,104	1,880
Water Year Types[b,c]												
Wet (32%)	2,446	2,411	2,426	2,619	2,854	2,945	3,304	3,508	3,488	3,194	2,966	2,626
Above Normal (15%)	1,895	1,857	1,925	2,109	2,474	2,908	3,291	3,489	3,400	2,896	2,480	2,044
Below Normal (17%)	1,638	1,611	1,780	1,889	2,153	2,438	2,815	3,012	2,916	2,366	1,891	1,736
Dry (22%)	1,311	1,287	1,504	1,591	1,812	2,134	2,337	2,357	2,124	1,682	1,529	1,450
Critical (15%)	845	831	886	1,424	1,530	1,673	1,687	1,633	1,424	1,148	974	911

Table 5B2-19-1c. Lake Oroville 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%	-63	-34	0	0	0	0	0	0	0	18	-7	22
20%	0	-6	-40	0	-6	0	0	0	0	0	-4	4
30%	-2	29	-2	-2	0	-1	2	0	1	16	3	12
40%	4	-11	-3	0	-4	-15	-2	7	3	0	-1	2
50%	10	0	15	2	-1	0	0	-1	2	18	18	28
60%	38	-3	0	-9	38	0	-13	-11	8	8	18	40
70%	-3	-17	12	-10	-16	-14	-1	-5	-2	35	9	9
80%	6	24	-19	-20	-35	-26	-51	-12	46	98	72	53
90%	-17	-2	-16	-7	-33	-36	-1	-13	61	77	27	27
Long Term												
Full Simulation Period[a]	-3	-7	-7	-7	-7	-7	-7	-7	10	22	16	13
Water Year Types[b,c]												
Wet (32%)	-2	-2	-4	3	-1	0	0	0	1	2	2	2
Above Normal (15%)	-2	-2	1	-7	-6	-5	-4	-4	-2	-3	-3	-3
Below Normal (17%)	4	-4	-5	0	0	0	0	-1	9	27	25	24
Dry (22%)	4	-6	-8	-18	-18	-18	-17	-18	30	62	48	41
Critical (15%)	-23	-24	-24	-16	-16	-13	-15	-16	14	25	9	-2

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 5B2-19-2a. Lake Oroville 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%	2,757	2,763	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,382	3,151	2,796
20%	2,229	2,325	2,562	2,788	2,802	2,990	3,297	3,538	3,538	3,089	2,789	2,408
30%	2,028	2,086	2,204	2,572	2,788	2,933	3,270	3,538	3,532	3,012	2,597	2,134
40%	1,764	1,867	1,979	2,371	2,702	2,841	3,221	3,438	3,314	2,790	2,364	1,937
50%	1,604	1,602	1,731	2,117	2,474	2,788	3,154	3,238	3,056	2,458	1,996	1,737
60%	1,503	1,488	1,597	1,688	2,003	2,485	2,758	2,808	2,710	2,183	1,699	1,594
70%	1,390	1,303	1,259	1,492	1,783	2,134	2,464	2,584	2,307	1,684	1,590	1,501
80%	1,279	1,165	1,201	1,363	1,679	1,924	2,120	2,132	1,958	1,565	1,435	1,363
90%	986	1,007	1,049	1,237	1,424	1,623	1,766	1,786	1,590	1,329	1,183	1,059
Long Term												
Full Simulation Period[a]	1,747	1,722	1,822	2,026	2,264	2,495	2,776	2,900	2,766	2,355	2,088	1,867
Water Year Types[b,c]												
Wet (32%)	2,448	2,413	2,430	2,617	2,855	2,945	3,304	3,508	3,488	3,191	2,964	2,624
Above Normal (15%)	1,897	1,860	1,924	2,116	2,480	2,913	3,295	3,493	3,402	2,899	2,483	2,047
Below Normal (17%)	1,633	1,615	1,785	1,889	2,152	2,438	2,815	3,013	2,907	2,338	1,866	1,711
Dry (22%)	1,307	1,293	1,513	1,610	1,831	2,152	2,354	2,375	2,094	1,619	1,482	1,409
Critical (15%)	867	855	910	1,440	1,546	1,686	1,702	1,649	1,410	1,124	965	914

Table 5B2-19-2b. Lake Oroville 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%	2,697	2,731	2,789	2,807	2,922	3,058	3,361	3,538	3,538	3,400	3,143	2,818
20%	2,229	2,319	2,522	2,788	2,799	2,990	3,297	3,538	3,538	3,089	2,785	2,412
30%	2,027	2,113	2,203	2,572	2,788	2,933	3,272	3,538	3,538	3,028	2,600	2,147
40%	1,770	1,840	1,979	2,372	2,697	2,827	3,219	3,446	3,317	2,790	2,363	1,938
50%	1,614	1,603	1,748	2,119	2,473	2,788	3,154	3,237	3,060	2,476	2,014	1,735
60%	1,531	1,487	1,599	1,680	2,040	2,487	2,754	2,796	2,728	2,209	1,719	1,632
70%	1,366	1,285	1,271	1,475	1,773	2,120	2,465	2,579	2,307	1,723	1,598	1,508
80%	1,284	1,183	1,170	1,343	1,647	1,897	2,069	2,131	1,976	1,655	1,492	1,418
90%	987	1,007	1,044	1,219	1,371	1,584	1,766	1,782	1,647	1,401	1,207	1,081
Long Term												
Full Simulation Period[a]	1,743	1,715	1,815	2,019	2,257	2,490	2,771	2,895	2,778	2,378	2,104	1,879
Water Year Types[b,c]												
Wet (32%)	2,447	2,411	2,427	2,615	2,854	2,945	3,304	3,508	3,489	3,194	2,966	2,627
Above Normal (15%)	1,894	1,859	1,926	2,113	2,475	2,910	3,293	3,490	3,402	2,898	2,479	2,047
Below Normal (17%)	1,637	1,608	1,779	1,893	2,157	2,442	2,819	3,015	2,919	2,368	1,894	1,731
Dry (22%)	1,307	1,286	1,502	1,592	1,813	2,134	2,337	2,359	2,130	1,683	1,527	1,447
Critical (15%)	845	832	886	1,423	1,529	1,672	1,687	1,632	1,423	1,146	974	909

Table 5B2-19-2c. Lake Oroville 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%	-60	-32	1	0	0	0	0	0	0	18	-8	22
20%	0	-6	-40	0	-4	0	0	0	0	0	-4	4
30%	-1	27	-1	0	0	0	2	0	6	16	3	12
40%	6	-27	0	1	-5	-15	-2	7	3	1	-1	1
50%	10	2	17	2	-1	0	0	-1	3	17	18	-2
60%	28	-2	2	-8	37	2	-4	-12	18	26	20	38
70%	-23	-17	11	-17	-11	-13	1	-5	1	39	8	7
80%	5	18	-31	-20	-33	-27	-50	-1	18	90	57	55
90%	0	-1	-5	-18	-53	-39	0	-4	57	72	24	23
Long Term												
Full Simulation Period[a]	-3	-7	-7	-7	-7	-6	-6	-6	12	23	16	12
Water Year Types[b,c]												
Wet (32%)	-2	-2	-3	-1	-1	0	0	0	1	2	2	2
Above Normal (15%)	-3	-1	2	-3	-5	-3	-2	-2	-1	-1	-3	0
Below Normal (17%)	3	-7	-5	4	4	4	4	3	12	30	27	20
Dry (22%)	0	-7	-10	-18	-18	-18	-17	-15	36	63	45	37
Critical (15%)	-22	-24	-24	-17	-17	-13	-15	-17	13	22	9	-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.

Table 5B2-19-3a. Lake Oroville 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%	2,757	2,763	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,382	3,151	2,796
20%	2,229	2,325	2,562	2,788	2,802	2,990	3,297	3,538	3,538	3,089	2,789	2,408
30%	2,028	2,086	2,204	2,572	2,788	2,933	3,270	3,538	3,532	3,012	2,597	2,134
40%	1,764	1,867	1,979	2,371	2,702	2,841	3,221	3,438	3,314	2,790	2,364	1,937
50%	1,604	1,602	1,731	2,117	2,474	2,788	3,154	3,238	3,056	2,458	1,996	1,737
60%	1,503	1,488	1,597	1,688	2,003	2,485	2,758	2,808	2,710	2,183	1,699	1,594
70%	1,390	1,303	1,259	1,492	1,783	2,134	2,464	2,584	2,307	1,684	1,590	1,501
80%	1,279	1,165	1,201	1,363	1,679	1,924	2,120	2,132	1,958	1,565	1,435	1,363
90%	986	1,007	1,049	1,237	1,424	1,623	1,766	1,786	1,590	1,329	1,183	1,059
Long Term												
Full Simulation Period[a]	1,747	1,722	1,822	2,026	2,264	2,495	2,776	2,900	2,766	2,355	2,088	1,867
Water Year Types[b,c]												
Wet (32%)	2,448	2,413	2,430	2,617	2,855	2,945	3,304	3,508	3,488	3,191	2,964	2,624
Above Normal (15%)	1,897	1,860	1,924	2,116	2,480	2,913	3,295	3,493	3,402	2,899	2,483	2,047
Below Normal (17%)	1,633	1,615	1,785	1,889	2,152	2,438	2,815	3,013	2,907	2,338	1,866	1,711
Dry (22%)	1,307	1,293	1,513	1,610	1,831	2,152	2,354	2,375	2,094	1,619	1,482	1,409
Critical (15%)	867	855	910	1,440	1,546	1,686	1,702	1,649	1,410	1,124	965	914

Table 5B2-19-3b. Lake Oroville 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%	2,692	2,727	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,400	3,144	2,817
20%	2,229	2,330	2,522	2,788	2,795	2,990	3,297	3,538	3,538	3,089	2,785	2,412
30%	2,027	2,114	2,203	2,572	2,788	2,933	3,272	3,538	3,535	3,028	2,600	2,146
40%	1,770	1,856	1,976	2,371	2,697	2,827	3,219	3,445	3,317	2,790	2,363	1,948
50%	1,614	1,602	1,747	2,119	2,473	2,788	3,154	3,237	3,059	2,475	2,024	1,765
60%	1,541	1,485	1,597	1,679	2,041	2,485	2,747	2,797	2,720	2,195	1,717	1,633
70%	1,387	1,285	1,271	1,481	1,769	2,119	2,462	2,578	2,317	1,720	1,599	1,509
80%	1,284	1,189	1,182	1,343	1,645	1,898	2,069	2,120	1,993	1,660	1,495	1,415
90%	977	1,006	1,040	1,229	1,390	1,587	1,765	1,773	1,642	1,397	1,202	1,077
Long Term												
Full Simulation Period[a]	1,744	1,716	1,815	2,020	2,257	2,489	2,770	2,893	2,775	2,376	2,104	1,879
Water Year Types[b,c]												
Wet (32%)	2,447	2,411	2,426	2,619	2,854	2,945	3,304	3,508	3,489	3,194	2,966	2,627
Above Normal (15%)	1,895	1,858	1,925	2,110	2,474	2,909	3,292	3,489	3,401	2,896	2,480	2,045
Below Normal (17%)	1,640	1,612	1,781	1,889	2,153	2,438	2,815	3,012	2,916	2,365	1,893	1,737
Dry (22%)	1,311	1,288	1,505	1,592	1,813	2,135	2,338	2,358	2,121	1,678	1,525	1,445
Critical (15%)	845	832	886	1,424	1,530	1,673	1,687	1,632	1,422	1,145	972	907

Table 5B2-19-3c. Lake Oroville 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%	-65	-36	0	0	0	0	0	0	0	18	-8	22
20%	0	5	-40	0	-8	0	0	0	0	0	-4	4
30%	-2	28	-1	1	0	-1	2	0	3	16	3	12
40%	6	-11	-3	0	-4	-15	-2	7	3	0	-1	11
50%	10	0	16	2	-1	0	0	-1	2	17	28	28
60%	38	-3	0	-9	38	0	-11	-11	10	11	18	39
70%	-3	-17	12	-11	-15	-15	-1	-5	10	36	9	8
80%	6	24	-19	-20	-35	-26	-51	-12	35	95	61	52
90%	-10	-1	-9	-8	-33	-36	-1	-13	52	68	19	19
Long Term												
Full Simulation Period[a]	-2	-6	-7	-6	-7	-6	-6	-7	9	21	15	12
Water Year Types[b,c]												
Wet (32%)	-2	-2	-4	3	-1	0	0	0	1	2	2	2
Above Normal (15%)	-2	-2	1	-6	-6	-4	-3	-3	-2	-3	-2	-2
Below Normal (17%)	6	-3	-4	0	1	0	0	-1	9	27	26	26
Dry (22%)	4	-5	-7	-17	-17	-17	-16	-17	27	59	44	35
Critical (15%)	-23	-24	-24	-16	-16	-13	-15	-17	11	21	7	-6

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 5B2-19-4a. Lake Oroville 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%	2,757	2,763	2,788	2,807	2,922	3,058	3,361	3,538	3,538	3,382	3,151	2,796
20%	2,229	2,325	2,562	2,788	2,802	2,990	3,297	3,538	3,538	3,089	2,789	2,408
30%	2,028	2,086	2,204	2,572	2,788	2,933	3,270	3,538	3,532	3,012	2,597	2,134
40%	1,764	1,867	1,979	2,371	2,702	2,841	3,221	3,438	3,314	2,790	2,364	1,937
50%	1,604	1,602	1,731	2,117	2,474	2,788	3,154	3,238	3,056	2,458	1,996	1,737
60%	1,503	1,488	1,597	1,688	2,003	2,485	2,758	2,808	2,710	2,183	1,699	1,594
70%	1,390	1,303	1,259	1,492	1,783	2,134	2,464	2,584	2,307	1,684	1,590	1,501
80%	1,279	1,165	1,201	1,363	1,679	1,924	2,120	2,132	1,958	1,565	1,435	1,363
90%	986	1,007	1,049	1,237	1,424	1,623	1,766	1,786	1,590	1,329	1,183	1,059
Long Term												
Full Simulation Period[a]	1,747	1,722	1,822	2,026	2,264	2,495	2,776	2,900	2,766	2,355	2,088	1,867
Water Year Types[b,c]												
Wet (32%)	2,448	2,413	2,430	2,617	2,855	2,945	3,304	3,508	3,488	3,191	2,964	2,624
Above Normal (15%)	1,897	1,860	1,924	2,116	2,480	2,913	3,295	3,493	3,402	2,899	2,483	2,047
Below Normal (17%)	1,633	1,615	1,785	1,889	2,152	2,438	2,815	3,013	2,907	2,338	1,866	1,711
Dry (22%)	1,307	1,293	1,513	1,610	1,831	2,152	2,354	2,375	2,094	1,619	1,482	1,409
Critical (15%)	867	855	910	1,440	1,546	1,686	1,702	1,649	1,410	1,124	965	914

Table 5B2-19-4b. Lake Oroville 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%	2,686	2,719	2,788	2,813	2,922	3,058	3,361	3,538	3,538	3,401	3,141	2,810
20%	2,270	2,333	2,563	2,788	2,795	2,990	3,297	3,538	3,538	3,089	2,785	2,426
30%	2,027	2,112	2,230	2,574	2,788	2,924	3,268	3,538	3,538	3,028	2,601	2,147
40%	1,803	1,846	1,991	2,373	2,698	2,827	3,219	3,436	3,316	2,810	2,375	1,956
50%	1,615	1,617	1,759	2,119	2,473	2,788	3,154	3,237	3,060	2,473	2,015	1,762
60%	1,526	1,488	1,600	1,684	2,015	2,493	2,767	2,794	2,738	2,215	1,720	1,620
70%	1,376	1,285	1,274	1,492	1,771	2,156	2,488	2,598	2,317	1,715	1,599	1,512
80%	1,278	1,183	1,189	1,352	1,694	1,896	2,073	2,146	1,970	1,630	1,498	1,386
90%	1,014	1,008	1,048	1,228	1,395	1,600	1,743	1,811	1,635	1,391	1,212	1,069
Long Term												
Full Simulation Period[a]	1,749	1,722	1,820	2,024	2,260	2,493	2,774	2,899	2,779	2,378	2,104	1,880
Water Year Types[b,c]												
Wet (32%)	2,447	2,412	2,428	2,619	2,855	2,945	3,304	3,508	3,489	3,194	2,966	2,629
Above Normal (15%)	1,914	1,880	1,939	2,115	2,475	2,911	3,294	3,492	3,402	2,913	2,496	2,065
Below Normal (17%)	1,641	1,613	1,783	1,893	2,157	2,442	2,819	3,016	2,919	2,366	1,890	1,733
Dry (22%)	1,308	1,290	1,507	1,602	1,823	2,145	2,346	2,375	2,133	1,674	1,520	1,438
Critical (15%)	857	843	898	1,428	1,534	1,676	1,692	1,639	1,426	1,146	972	907

Table 5B2-19-4c. Lake Oroville 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%	-72	-43	0	6	0	0	0	0	0	18	-10	14
20%	41	8	1	0	-8	0	0	0	0	0	-4	17
30%	-1	26	25	2	0	-9	-2	0	6	16	5	13
40%	39	-21	11	2	-4	-15	-2	-3	2	20	11	19
50%	11	15	28	3	-1	0	0	-1	4	14	18	25
60%	23	0	3	-5	13	8	9	-14	28	31	21	26
70%	-14	-18	15	1	-12	22	25	14	10	30	9	11
80%	-1	18	-12	-11	15	-28	-47	14	12	64	63	23
90%	28	1	-1	-9	-29	-23	-23	25	44	63	28	10
Long Term												
Full Simulation Period[a]	2	0	-2	-2	-3	-3	-3	-1	13	23	16	13
Water Year Types[b,c]												
Wet (32%)	-1	-1	-2	2	0	0	0	0	1	2	2	4
Above Normal (15%)	17	20	15	-1	-5	-2	-1	-1	0	14	13	18
Below Normal (17%)	8	-2	-1	4	4	4	4	3	12	28	23	22
Dry (22%)	1	-2	-6	-8	-8	-8	-8	0	39	55	38	29
Critical (15%)	-11	-12	-12	-11	-11	-10	-10	-10	16	22	7	-7

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 5B2-19-1. Lake Oroville Storage, October

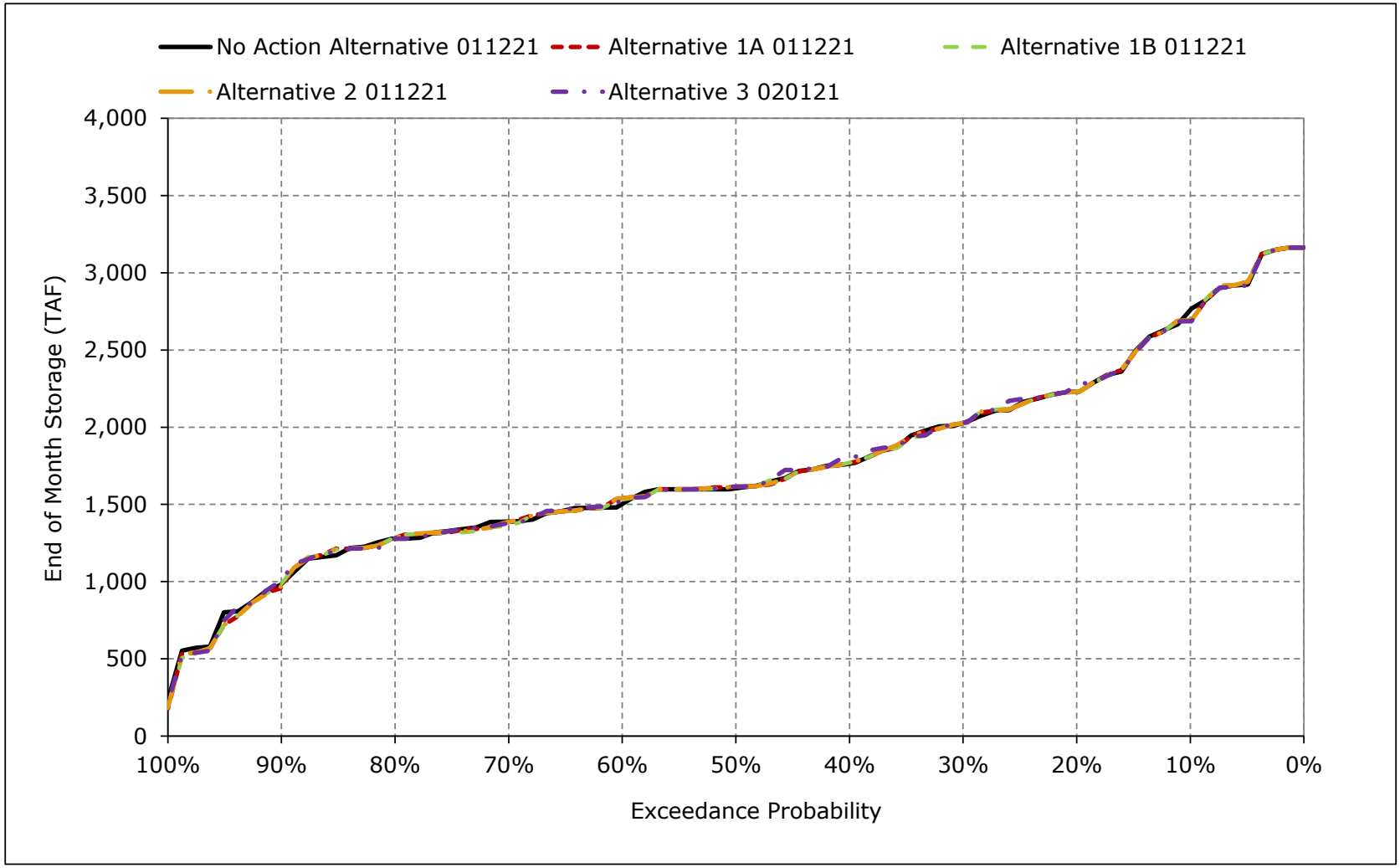


Figure 5B2-19-2. Lake Oroville Storage, November

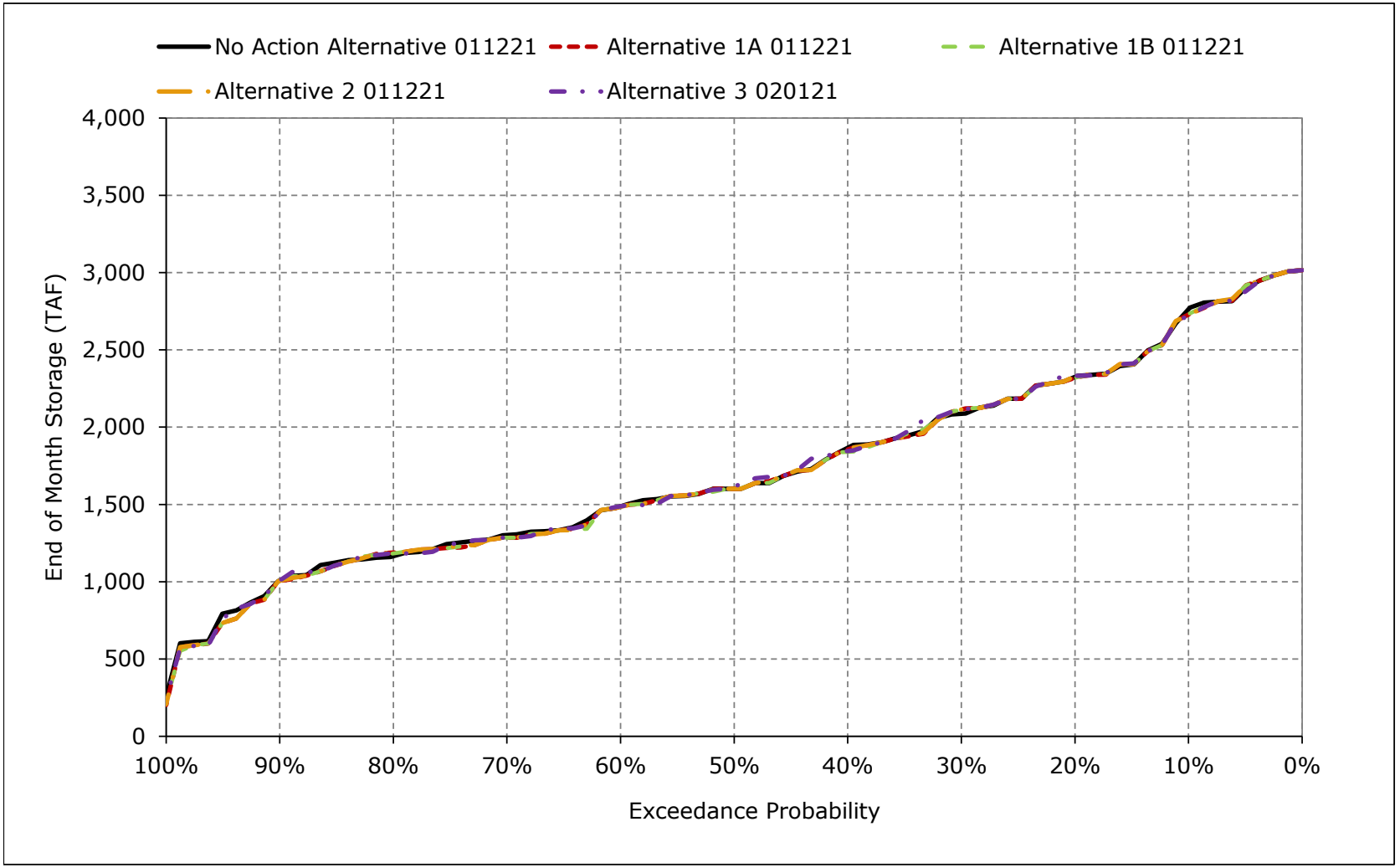


Figure 5B2-19-3. Lake Oroville Storage, December

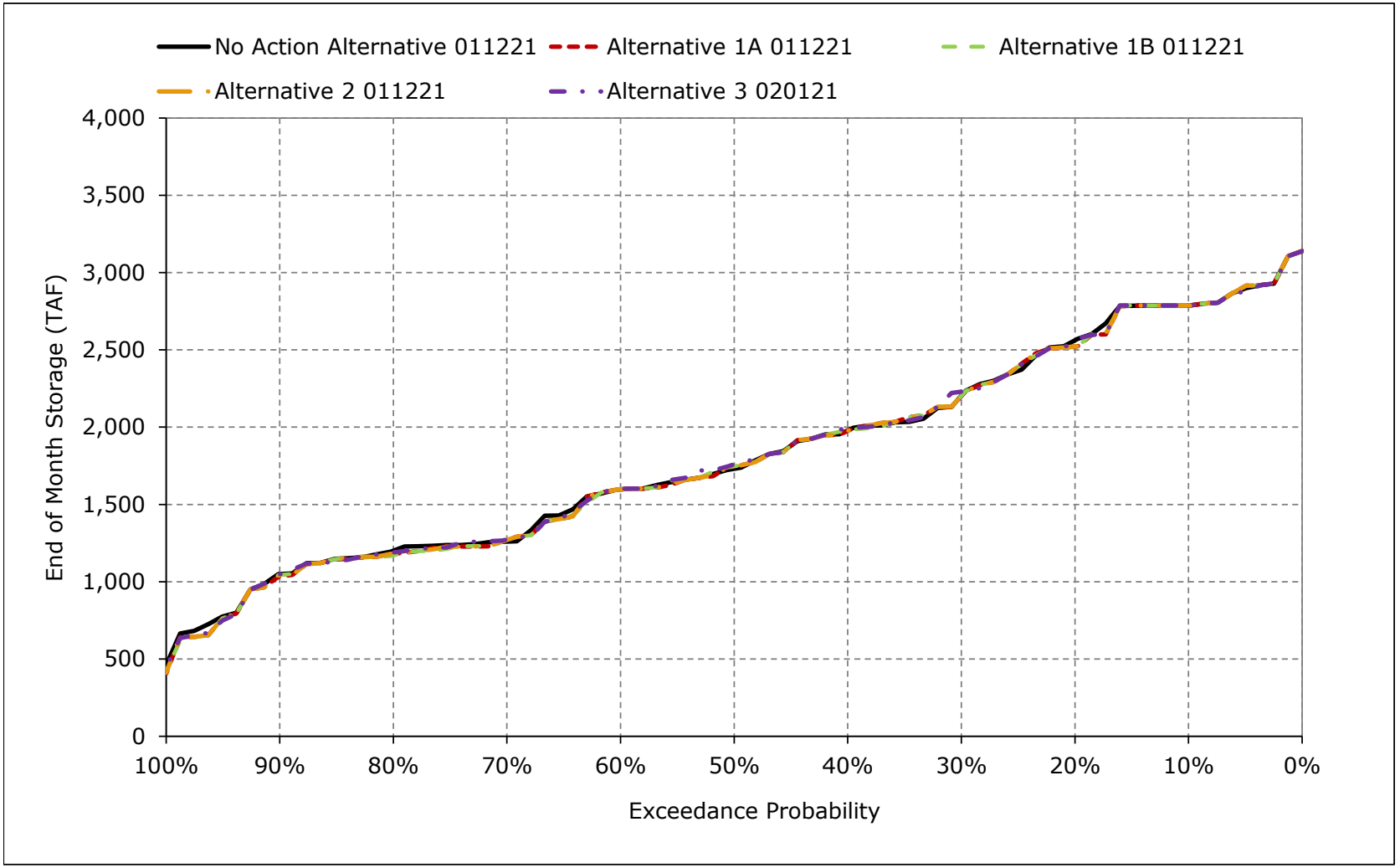


Figure 5B2-19-4. Lake Oroville Storage, January

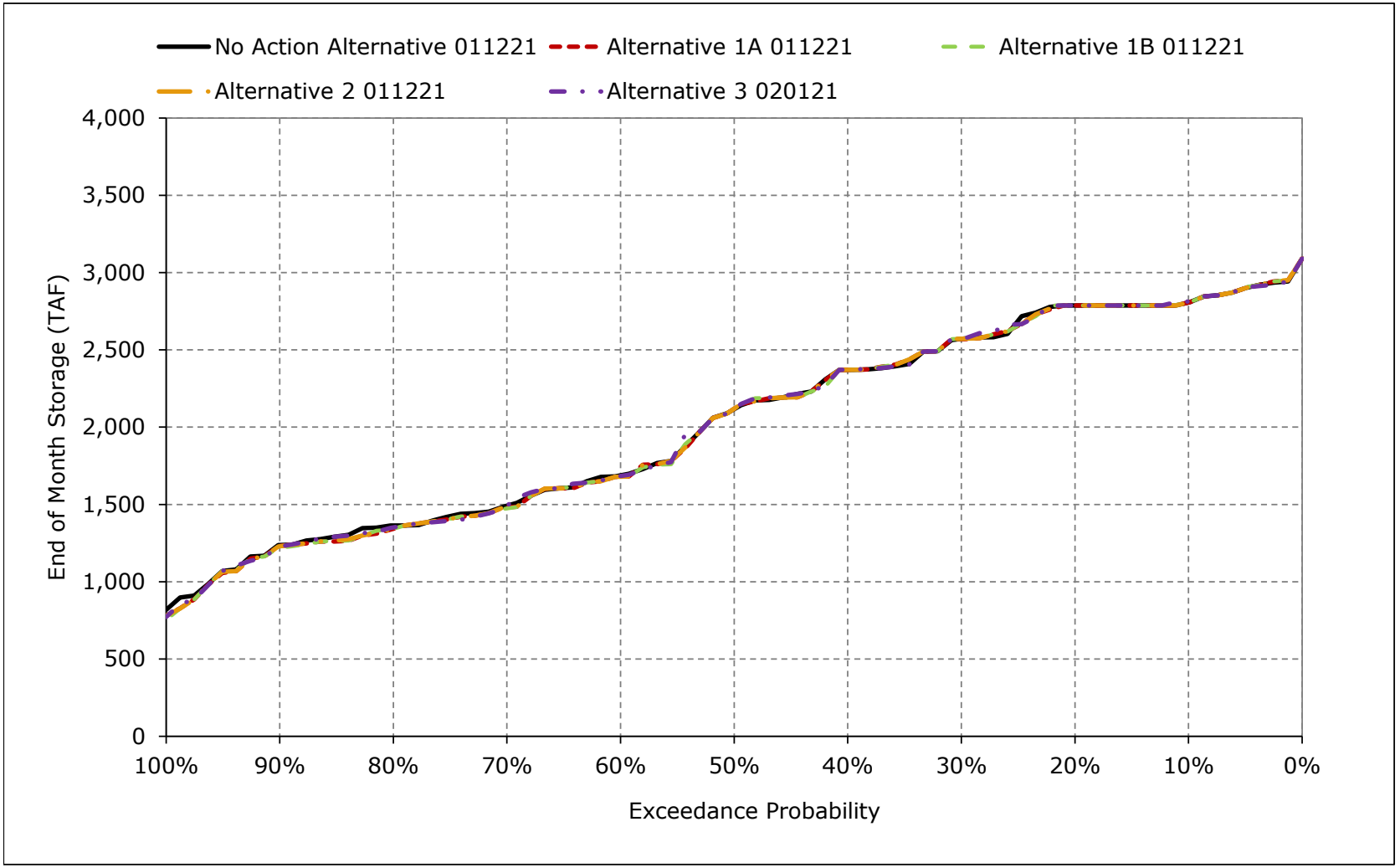


Figure 5B2-19-5. Lake Oroville Storage, February

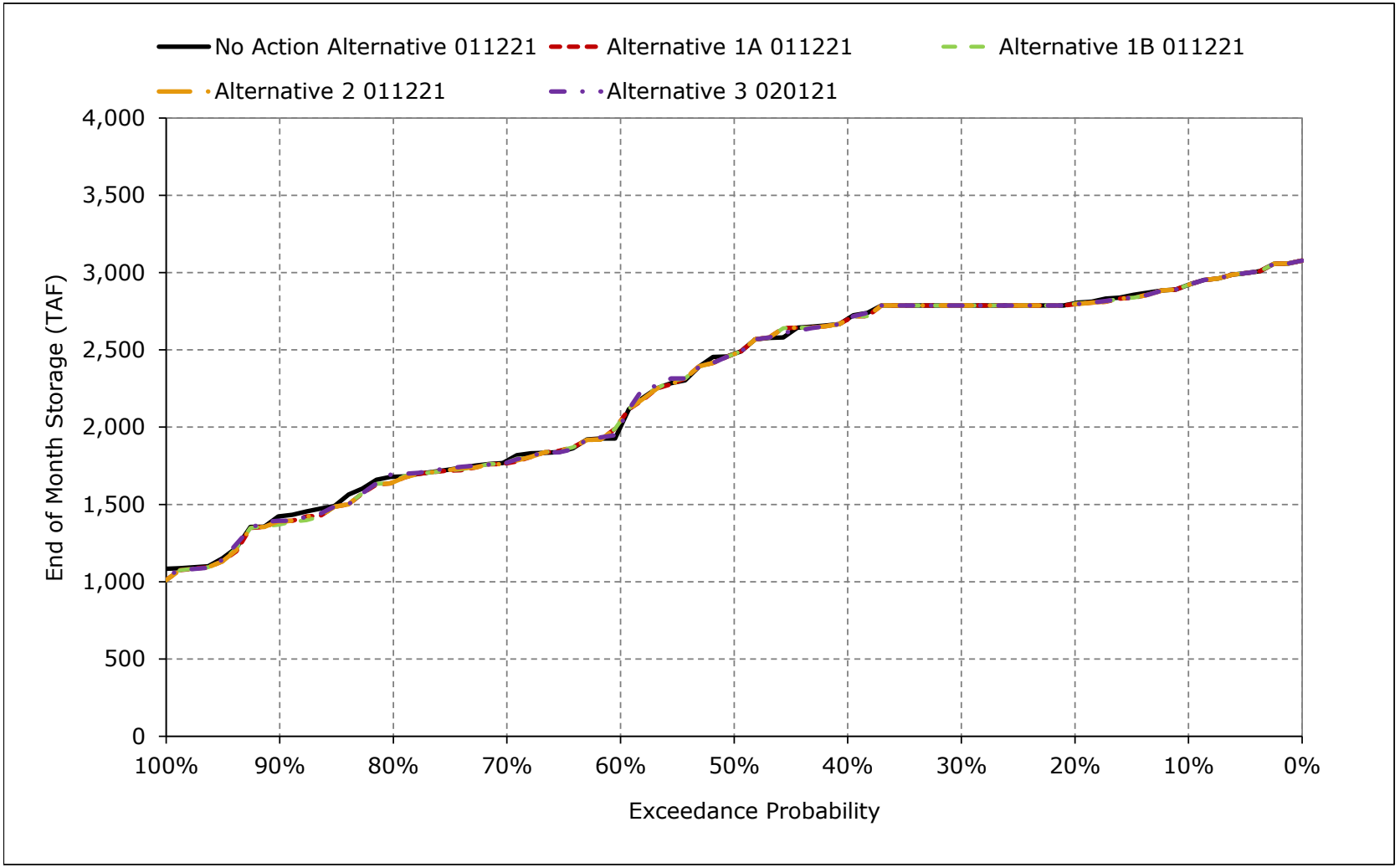


Figure 5B2-19-6. Lake Oroville Storage, March

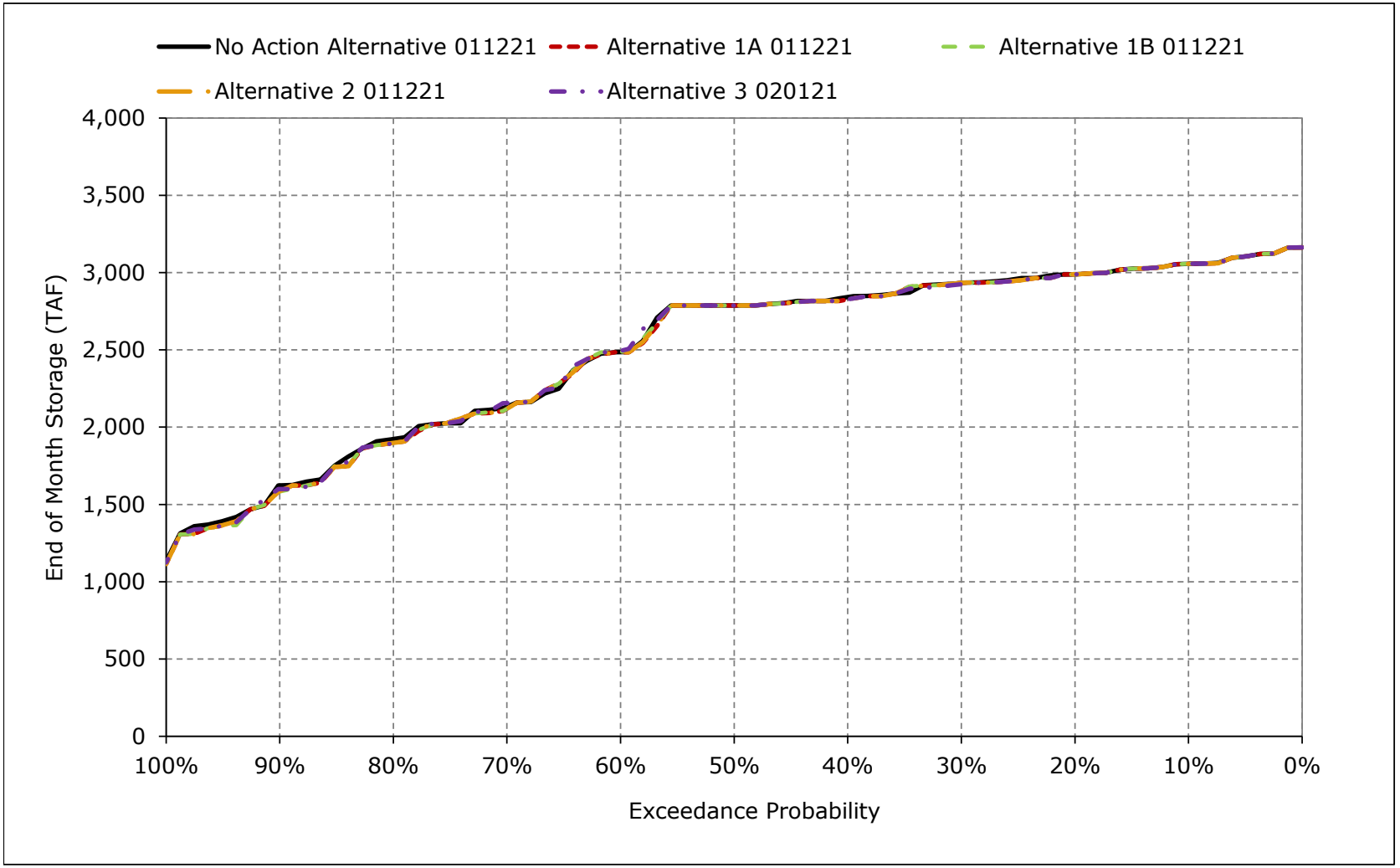


Figure 5B2-19-7. Lake Oroville Storage, April

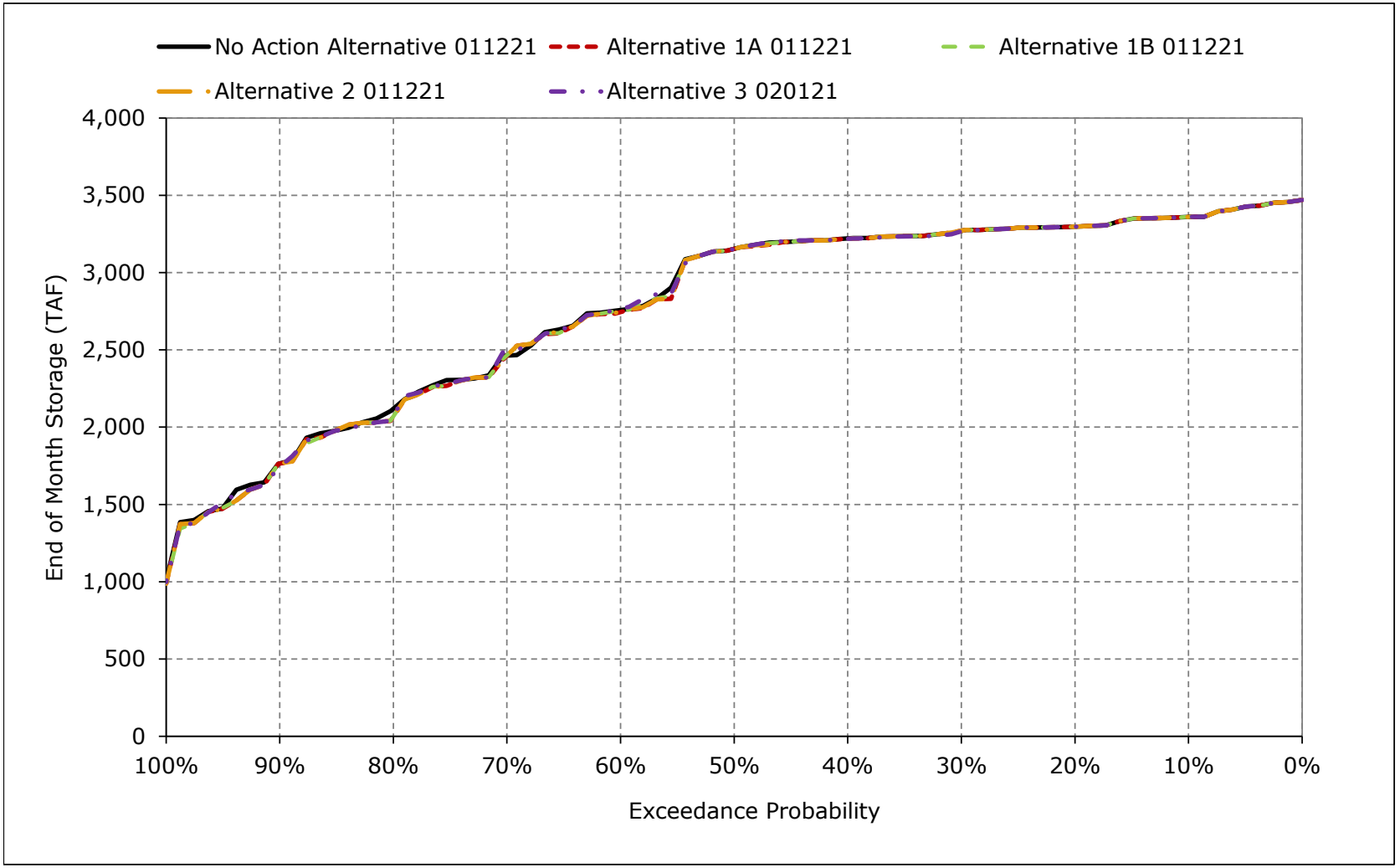


Figure 5B2-19-8. Lake Oroville Storage, May

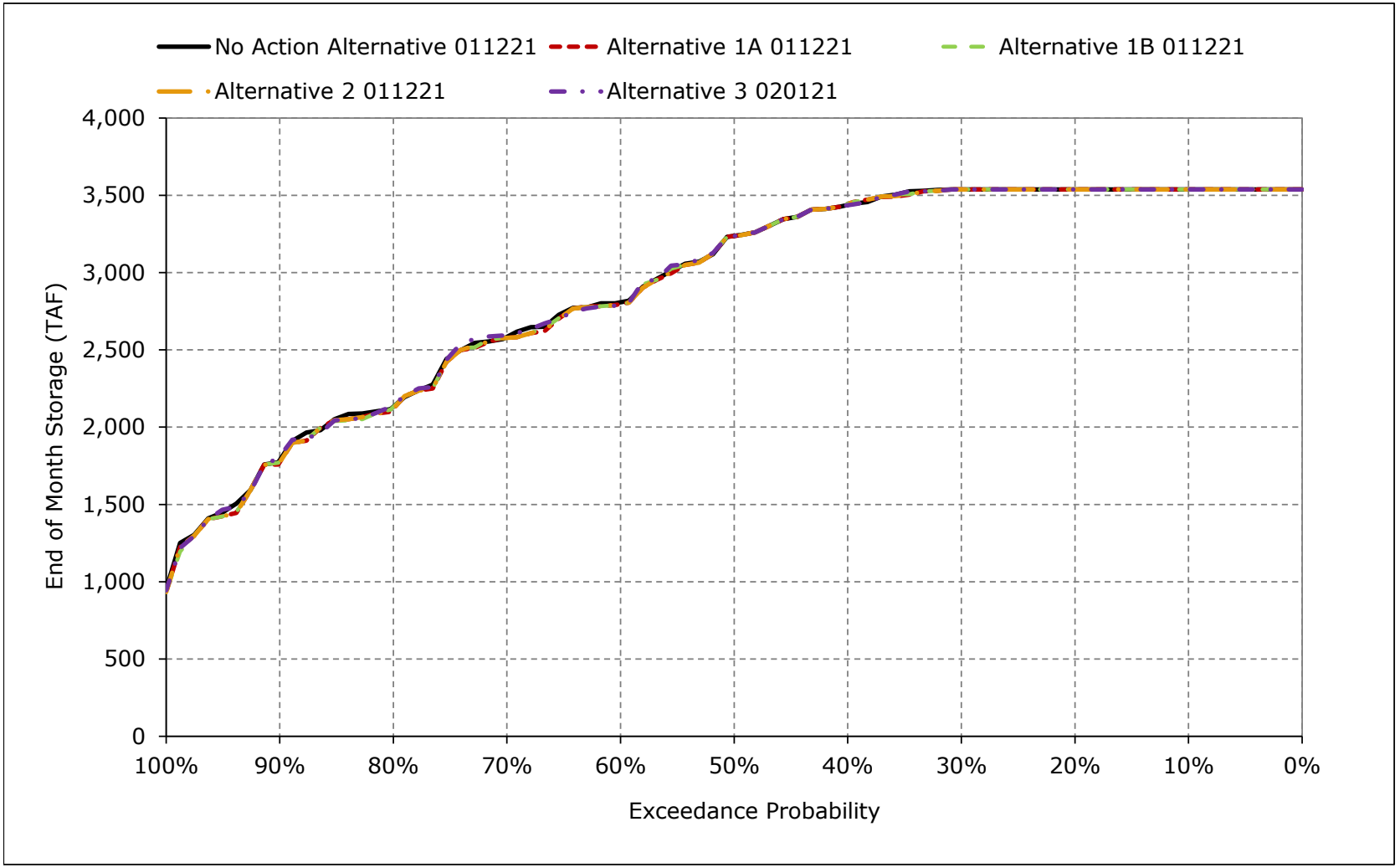


Figure 5B2-19-9. Lake Oroville Storage, June

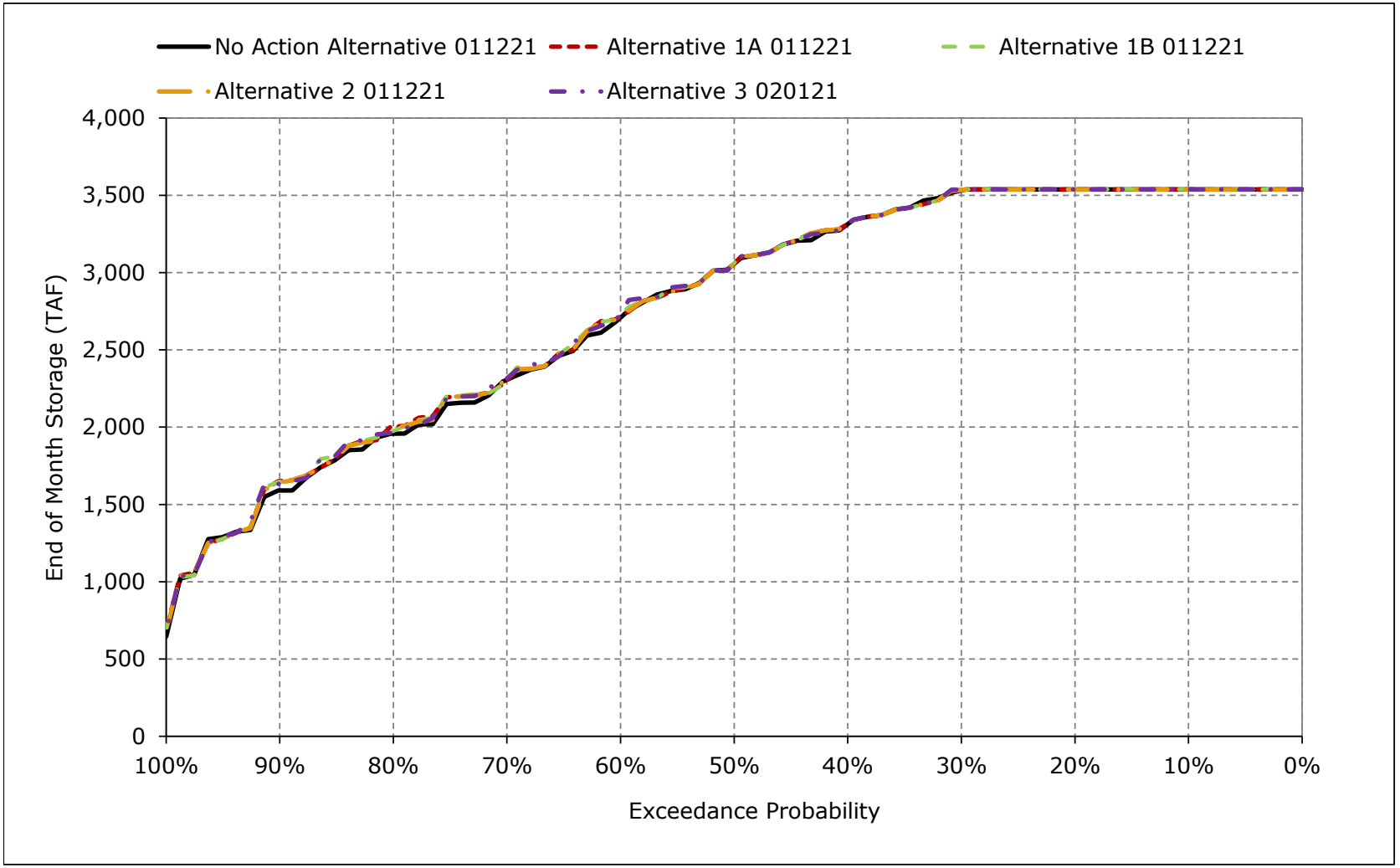


Figure 5B2-19-10. Lake Oroville Storage, July

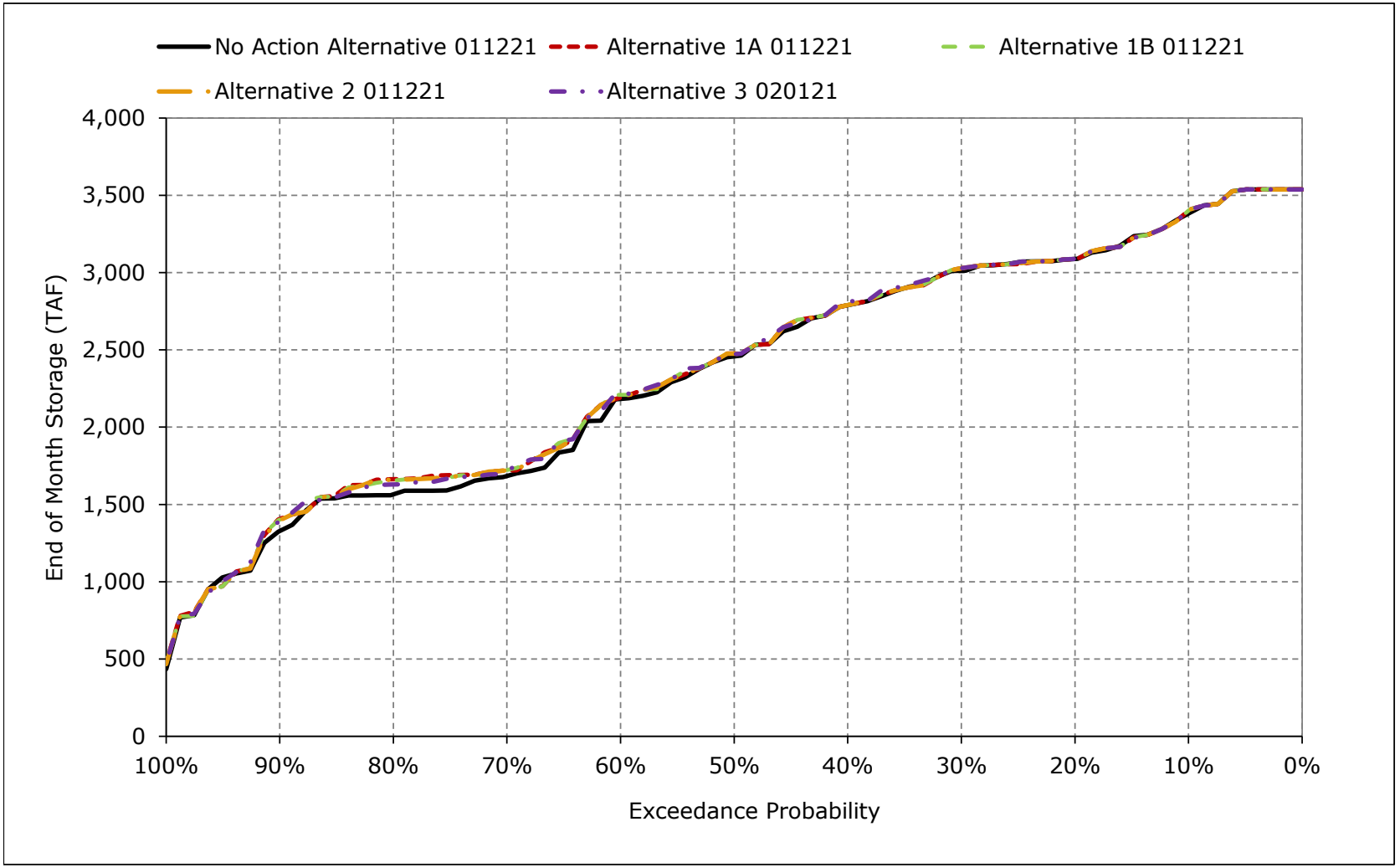


Figure 5B2-19-11. Lake Oroville Storage, August

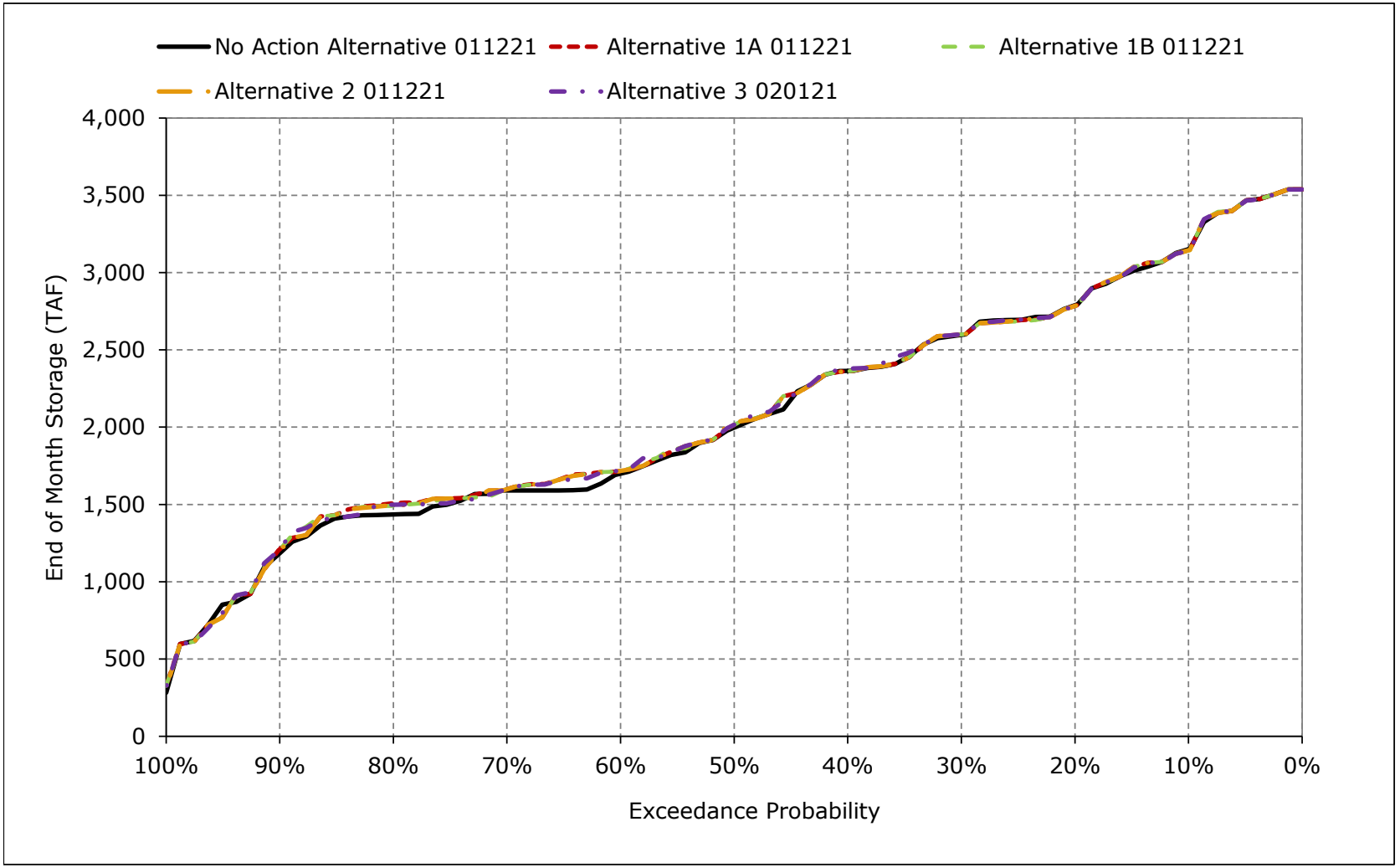


Figure 5B2-19-12. Lake Oroville Storage, September

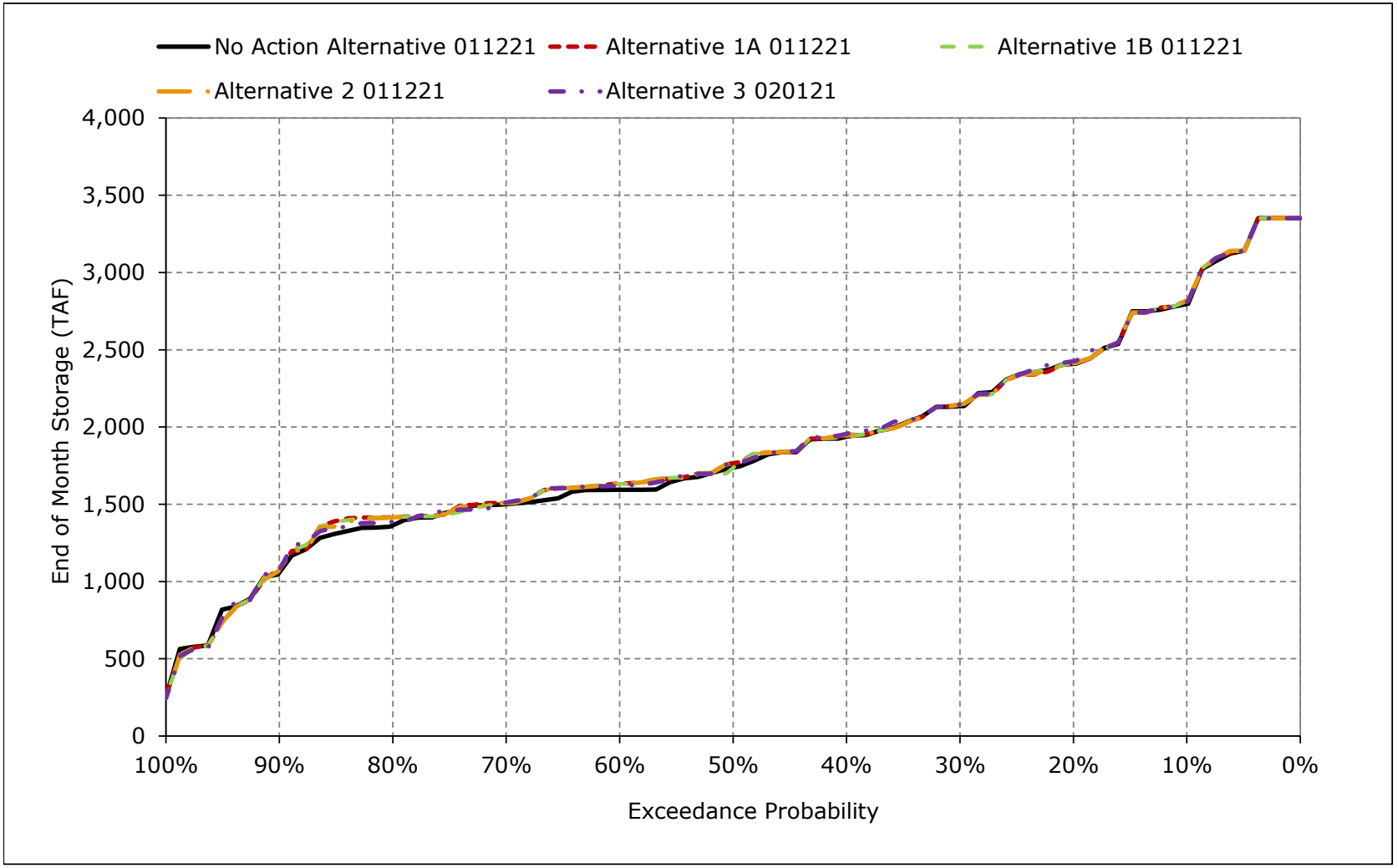


Table 5B2-20-1a. Lake Oroville Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	847	847	849	850	858	867	888	900	900	889	874	849
20%	806	816	833	849	850	863	884	900	900	869	849	823
30%	786	792	804	834	849	859	882	900	900	864	836	797
40%	759	769	781	820	843	852	878	893	885	849	820	776
50%	741	740	755	795	827	849	874	879	867	826	782	756
60%	728	727	740	751	783	828	847	850	843	802	752	740
70%	715	704	699	727	761	797	827	835	814	750	739	728
80%	701	687	692	711	750	775	795	796	778	736	720	711
90%	664	668	673	696	719	743	759	761	739	707	689	674
Long Term												
Full Simulation Period[a]	747	745	755	778	801	821	843	851	839	804	779	759
Water Year Types[b,c]												
Wet (32%)	820	818	819	835	853	859	884	898	897	876	860	835
Above Normal (15%)	771	767	773	790	824	857	883	897	891	856	826	786
Below Normal (17%)	743	740	757	764	793	818	850	864	857	815	769	752
Dry (22%)	704	702	724	737	763	795	814	816	792	742	726	717
Critical (15%)	633	633	646	718	730	746	748	742	714	676	649	640

Table 5B2-20-1b. Lake Oroville 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%	842	845	849	850	858	867	888	900	900	891	873	851
20%	806	816	831	849	849	863	884	900	900	869	849	823
30%	786	795	804	834	849	859	882	900	900	865	836	798
40%	759	768	780	820	843	851	878	894	885	849	820	777
50%	742	740	757	795	827	849	874	879	867	828	784	759
60%	733	726	740	750	787	828	846	849	844	803	754	744
70%	714	702	700	726	759	795	827	834	814	754	740	729
80%	702	690	689	709	746	772	790	795	783	748	729	718
90%	661	668	671	695	715	739	759	760	747	717	693	677
Long Term												
Full Simulation Period[a]	746	744	754	777	800	821	842	851	840	807	781	761
Water Year Types[b,c]												
Wet (32%)	820	818	818	835	853	859	884	898	897	876	861	835
Above Normal (15%)	771	767	773	789	823	857	883	897	891	856	826	786
Below Normal (17%)	744	740	756	764	792	818	850	864	857	817	772	755
Dry (22%)	705	701	723	735	761	794	812	815	795	749	732	722
Critical (15%)	628	628	641	716	728	744	746	740	716	679	650	639

Table 5B2-20-1c. Lake Oroville 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%	-4	-2	0	0	0	0	0	0	0	1	0	1
20%	0	-1	-3	0	0	0	0	0	0	0	0	0
30%	0	3	0	0	0	0	0	0	0	1	0	1
40%	0	-1	0	0	0	-1	0	0	0	0	0	0
50%	1	0	2	0	0	0	0	0	0	1	2	3
60%	5	0	0	-1	4	0	-1	-1	1	1	2	5
70%	0	-2	1	-1	-2	-1	0	0	0	4	1	1
80%	1	3	-2	-2	-4	-3	-5	-1	5	12	9	6
90%	-3	0	-2	-1	-4	-4	0	-1	7	9	3	3
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	1	3	2	1
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	-1	-1	0	0	0	0	0	0	0
Below Normal (17%)	0	-1	-1	0	0	0	0	0	1	2	3	3
Dry (22%)	0	-1	-1	-3	-2	-2	-2	-2	3	7	6	5
Critical (15%)	-5	-5	-5	-2	-2	-1	-2	-2	2	4	2	-1

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 5B2-20-2a. Lake Oroville 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%	847	847	849	850	858	867	888	900	900	889	874	849
20%	806	816	833	849	850	863	884	900	900	869	849	823
30%	786	792	804	834	849	859	882	900	900	864	836	797
40%	759	769	781	820	843	852	878	893	885	849	820	776
50%	741	740	755	795	827	849	874	879	867	826	782	756
60%	728	727	740	751	783	828	847	850	843	802	752	740
70%	715	704	699	727	761	797	827	835	814	750	739	728
80%	701	687	692	711	750	775	795	796	778	736	720	711
90%	664	668	673	696	719	743	759	761	739	707	689	674
Long Term												
Full Simulation Period[a]	747	745	755	778	801	821	843	851	839	804	779	759
Water Year Types[b,c]												
Wet (32%)	820	818	819	835	853	859	884	898	897	876	860	835
Above Normal (15%)	771	767	773	790	824	857	883	897	891	856	826	786
Below Normal (17%)	743	740	757	764	793	818	850	864	857	815	769	752
Dry (22%)	704	702	724	737	763	795	814	816	792	742	726	717
Critical (15%)	633	633	646	718	730	746	748	742	714	676	649	640

Table 5B2-20-2b. Lake Oroville 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%	843	845	849	850	858	867	888	900	900	891	873	851
20%	806	816	831	849	849	863	884	900	900	869	849	823
30%	786	795	804	834	849	859	882	900	900	865	836	798
40%	759	766	781	820	843	851	878	894	885	849	820	776
50%	742	741	757	795	827	849	874	879	867	827	784	756
60%	732	726	740	750	787	828	846	849	845	804	754	744
70%	712	702	700	725	760	795	827	834	814	754	740	729
80%	702	689	688	709	746	772	790	796	780	747	727	718
90%	664	668	672	694	712	738	759	760	746	716	692	677
Long Term												
Full Simulation Period[a]	746	744	754	777	800	821	842	851	840	807	781	761
Water Year Types[b,c]												
Wet (32%)	820	818	818	835	853	859	884	898	897	876	861	835
Above Normal (15%)	771	767	773	789	824	857	883	897	891	856	826	786
Below Normal (17%)	744	740	756	765	793	818	850	864	858	818	772	755
Dry (22%)	705	701	723	734	761	794	812	815	795	750	731	722
Critical (15%)	628	628	641	716	728	744	746	740	716	679	650	639

Table 5B2-20-2c. Lake Oroville 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%	-4	-2	0	0	0	0	0	0	0	1	-1	1
20%	0	-1	-3	0	0	0	0	0	0	0	0	0
30%	0	3	0	0	0	0	0	0	0	1	0	1
40%	1	-3	0	0	0	-1	0	1	0	0	0	0
50%	1	0	2	0	0	0	0	0	0	1	2	0
60%	3	0	0	-1	4	0	0	-1	1	3	2	5
70%	-3	-2	1	-2	-1	-1	0	0	0	4	1	1
80%	1	2	-4	-2	-4	-3	-5	0	2	11	7	7
90%	0	0	-1	-2	-6	-5	0	0	7	9	3	3
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	1	3	2	1
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	-1	-1	0	0	0	0	0	1	3	3	2
Dry (22%)	0	-1	-1	-3	-2	-2	-2	-1	4	7	5	5
Critical (15%)	-5	-5	-5	-2	-2	-1	-2	-2	2	3	2	-1

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 5B2-20-3a. Lake Oroville 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%	847	847	849	850	858	867	888	900	900	889	874	849
20%	806	816	833	849	850	863	884	900	900	869	849	823
30%	786	792	804	834	849	859	882	900	900	864	836	797
40%	759	769	781	820	843	852	878	893	885	849	820	776
50%	741	740	755	795	827	849	874	879	867	826	782	756
60%	728	727	740	751	783	828	847	850	843	802	752	740
70%	715	704	699	727	761	797	827	835	814	750	739	728
80%	701	687	692	711	750	775	795	796	778	736	720	711
90%	664	668	673	696	719	743	759	761	739	707	689	674
Long Term												
Full Simulation Period[a]	747	745	755	778	801	821	843	851	839	804	779	759
Water Year Types[b,c]												
Wet (32%)	820	818	819	835	853	859	884	898	897	876	860	835
Above Normal (15%)	771	767	773	790	824	857	883	897	891	856	826	786
Below Normal (17%)	743	740	757	764	793	818	850	864	857	815	769	752
Dry (22%)	704	702	724	737	763	795	814	816	792	742	726	717
Critical (15%)	633	633	646	718	730	746	748	742	714	676	649	640

Table 5B2-20-3b. Lake Oroville 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%	842	845	849	850	858	867	888	900	900	891	873	851
20%	806	817	831	849	849	863	884	900	900	869	849	823
30%	786	795	804	834	849	859	882	900	900	865	836	798
40%	759	768	780	820	843	851	878	894	885	849	820	778
50%	742	740	757	795	827	849	874	879	867	827	785	759
60%	733	726	740	750	787	828	846	849	844	803	754	744
70%	714	702	700	726	759	795	827	834	815	754	740	729
80%	702	690	689	709	746	772	790	795	782	748	727	718
90%	662	668	672	695	715	739	759	760	745	715	692	676
Long Term												
Full Simulation Period[a]	747	744	754	777	800	821	842	851	840	806	781	760
Water Year Types[b,c]												
Wet (32%)	820	818	818	835	853	859	884	898	897	876	861	835
Above Normal (15%)	771	767	773	789	823	857	883	897	891	856	826	786
Below Normal (17%)	744	740	756	764	793	818	850	864	857	817	772	755
Dry (22%)	705	701	723	735	761	794	812	815	794	749	731	721
Critical (15%)	628	628	641	716	728	744	746	740	715	679	650	638

Table 5B2-20-3c. Lake Oroville 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%	-4	-2	0	0	0	0	0	0	0	1	-1	1
20%	0	1	-3	0	-1	0	0	0	0	0	0	0
30%	0	3	0	0	0	0	0	0	0	1	0	1
40%	1	-1	0	0	0	-1	0	0	0	0	0	1
50%	1	0	2	0	0	0	0	0	0	1	3	3
60%	5	0	0	-1	4	0	-1	-1	1	1	2	5
70%	0	-2	1	-1	-1	-2	0	0	1	4	1	1
80%	1	3	-2	-2	-4	-3	-5	-1	4	12	7	6
90%	-2	0	-1	-1	-4	-4	0	-1	6	8	2	2
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	1	2	2	1
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	-1	-1	0	0	0	0	0	0	0
Below Normal (17%)	1	0	-1	0	0	0	0	0	1	2	3	3
Dry (22%)	0	-1	-1	-2	-2	-2	-2	-2	3	7	5	4
Critical (15%)	-5	-5	-5	-2	-2	-1	-2	-2	2	3	1	-2

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 5B2-20-4a. Lake Oroville 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%	847	847	849	850	858	867	888	900	900	889	874	849
20%	806	816	833	849	850	863	884	900	900	869	849	823
30%	786	792	804	834	849	859	882	900	900	864	836	797
40%	759	769	781	820	843	852	878	893	885	849	820	776
50%	741	740	755	795	827	849	874	879	867	826	782	756
60%	728	727	740	751	783	828	847	850	843	802	752	740
70%	715	704	699	727	761	797	827	835	814	750	739	728
80%	701	687	692	711	750	775	795	796	778	736	720	711
90%	664	668	673	696	719	743	759	761	739	707	689	674
Long Term												
Full Simulation Period[a]	747	745	755	778	801	821	843	851	839	804	779	759
Water Year Types[b,c]												
Wet (32%)	820	818	819	835	853	859	884	898	897	876	860	835
Above Normal (15%)	771	767	773	790	824	857	883	897	891	856	826	786
Below Normal (17%)	743	740	757	764	793	818	850	864	857	815	769	752
Dry (22%)	704	702	724	737	763	795	814	816	792	742	726	717
Critical (15%)	633	633	646	718	730	746	748	742	714	676	649	640

Table 5B2-20-4b. Lake Oroville 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%	842	844	849	850	858	867	888	900	900	891	873	850
20%	811	817	833	849	849	863	884	900	900	869	849	824
30%	786	794	806	834	849	858	882	900	900	865	836	798
40%	763	767	782	820	843	851	878	893	885	850	821	778
50%	742	742	758	795	827	849	874	879	867	827	784	758
60%	731	727	740	750	784	829	847	849	845	805	754	743
70%	713	702	701	727	759	799	828	836	815	754	740	729
80%	701	689	690	710	751	772	790	798	780	744	728	714
90%	668	668	673	695	715	740	757	763	744	715	693	675
Long Term												
Full Simulation Period[a]	747	745	755	777	800	821	842	851	840	807	781	761
Water Year Types[b,c]												
Wet (32%)	820	818	818	835	853	859	884	898	897	876	861	835
Above Normal (15%)	773	769	774	790	824	857	883	897	891	857	828	788
Below Normal (17%)	744	740	756	765	793	818	850	864	858	817	771	755
Dry (22%)	705	702	723	736	762	795	813	816	795	749	730	721
Critical (15%)	631	630	643	717	729	745	747	741	716	679	650	638

Table 5B2-20-4c. Lake Oroville 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%	-5	-3	0	0	0	0	0	0	0	1	-1	1
20%	4	1	0	0	-1	0	0	0	0	0	0	1
30%	0	3	3	0	0	-1	0	0	0	1	0	1
40%	4	-2	1	0	0	-1	0	0	0	1	1	2
50%	1	2	3	0	0	0	0	0	0	1	2	3
60%	3	0	0	0	1	1	1	-1	2	3	2	3
70%	-2	-2	2	0	-1	2	2	1	1	3	1	1
80%	0	2	-1	-1	2	-3	-5	1	1	8	8	3
90%	5	0	0	-1	-4	-3	-2	3	5	8	3	1
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	1	2	2	1
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	2	2	2	0	0	0	0	0	0	1	1	2
Below Normal (17%)	1	0	0	0	0	0	0	0	1	3	3	3
Dry (22%)	0	0	-1	-1	-1	-1	-1	0	4	6	5	4
Critical (15%)	-2	-2	-3	-1	-1	-1	-1	-1	2	3	1	-2

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 5B2-20-1. Lake Oroville Elevation, October

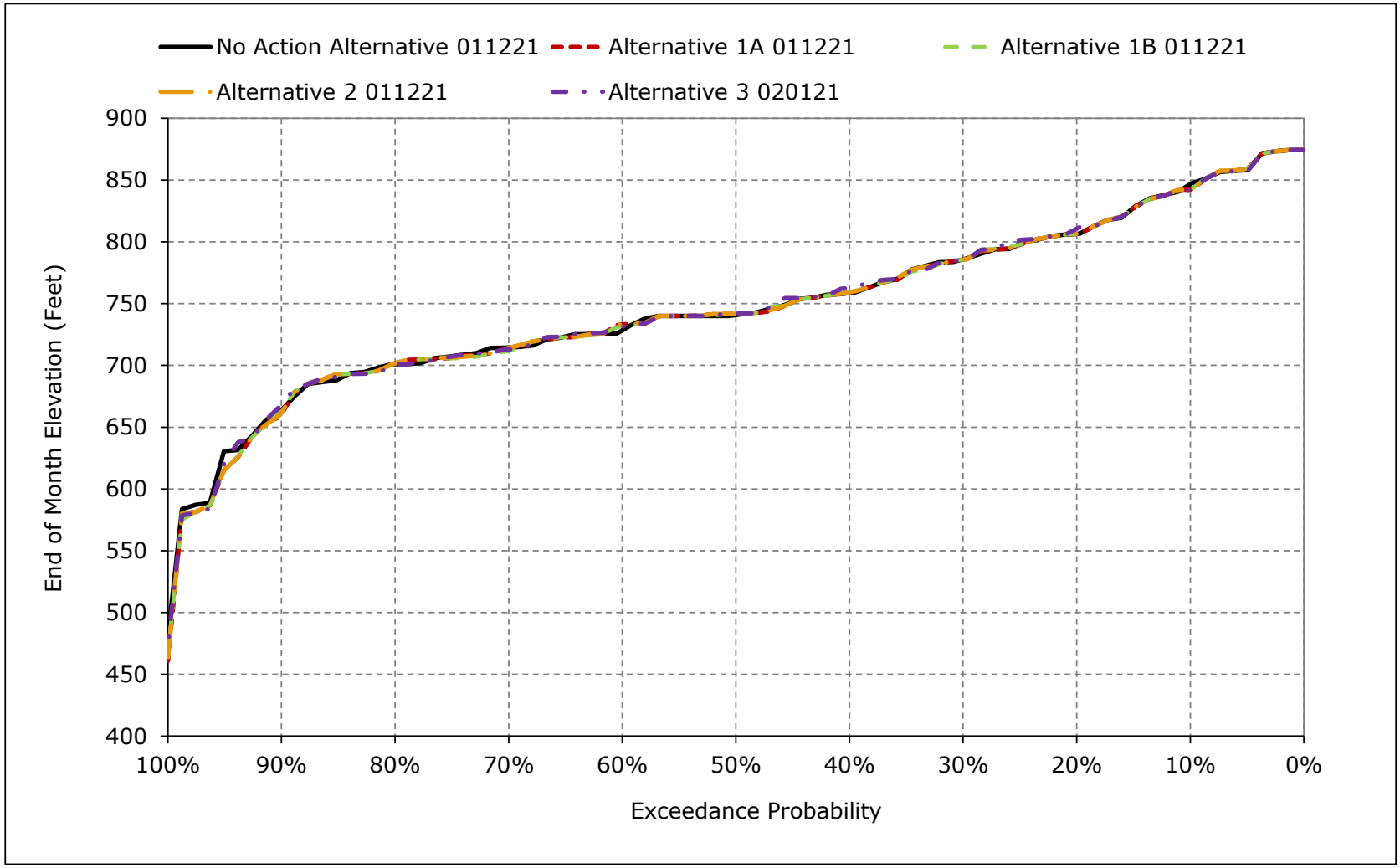


Figure 5B2-20-2. Lake Oroville Elevation, November

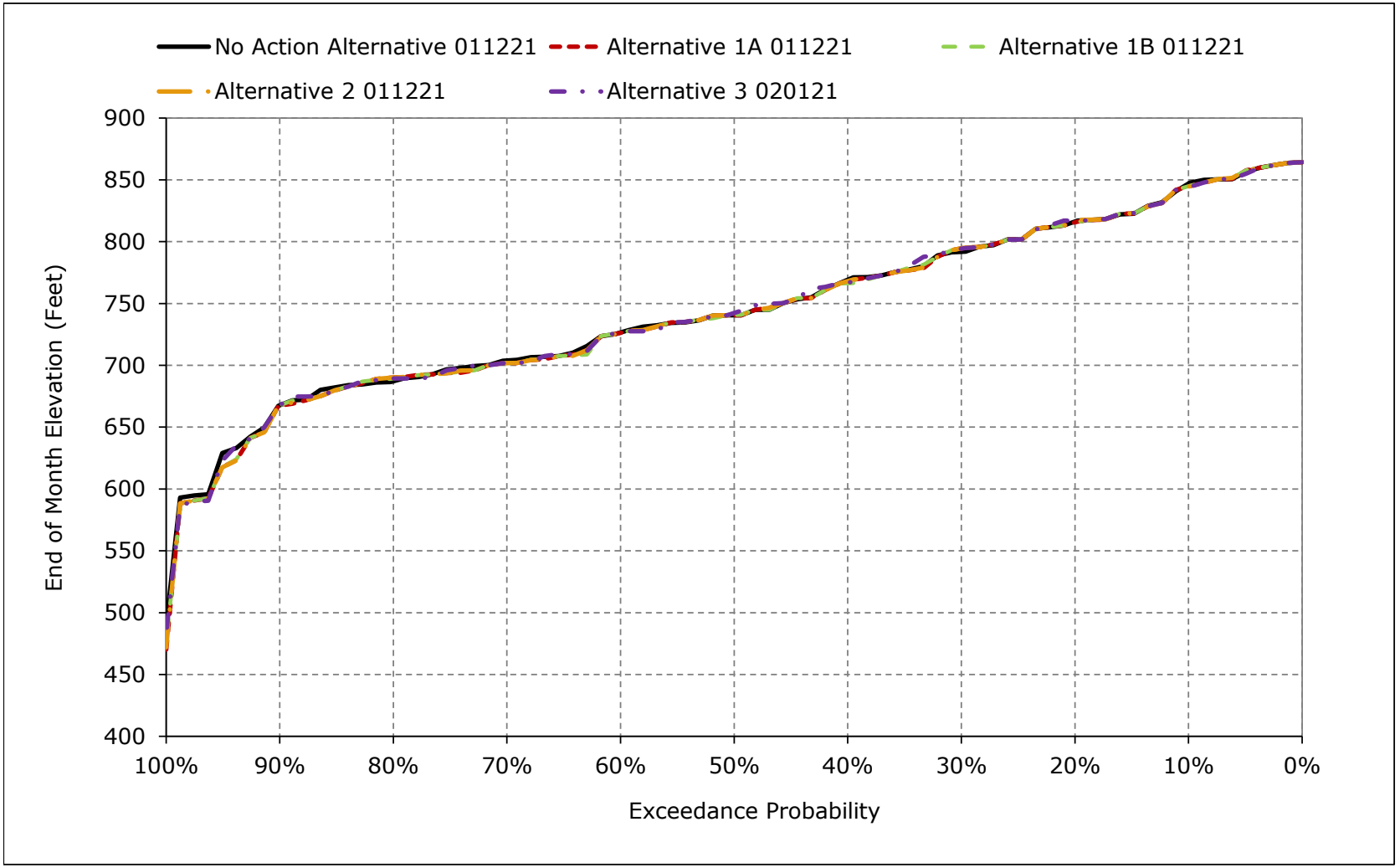


Figure 5B2-20-3. Lake Oroville Elevation, December

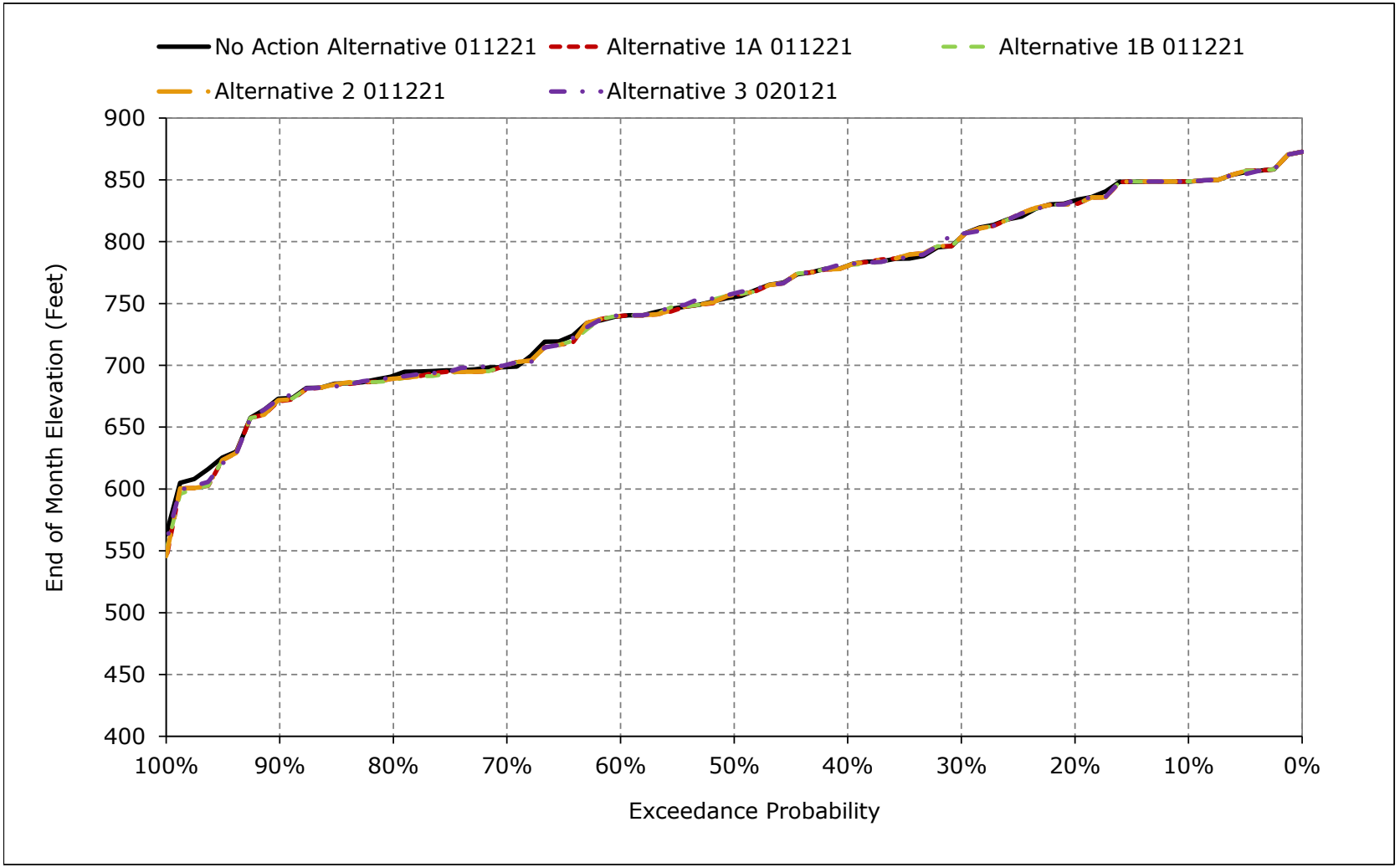


Figure 5B2-20-4. Lake Oroville Elevation, January

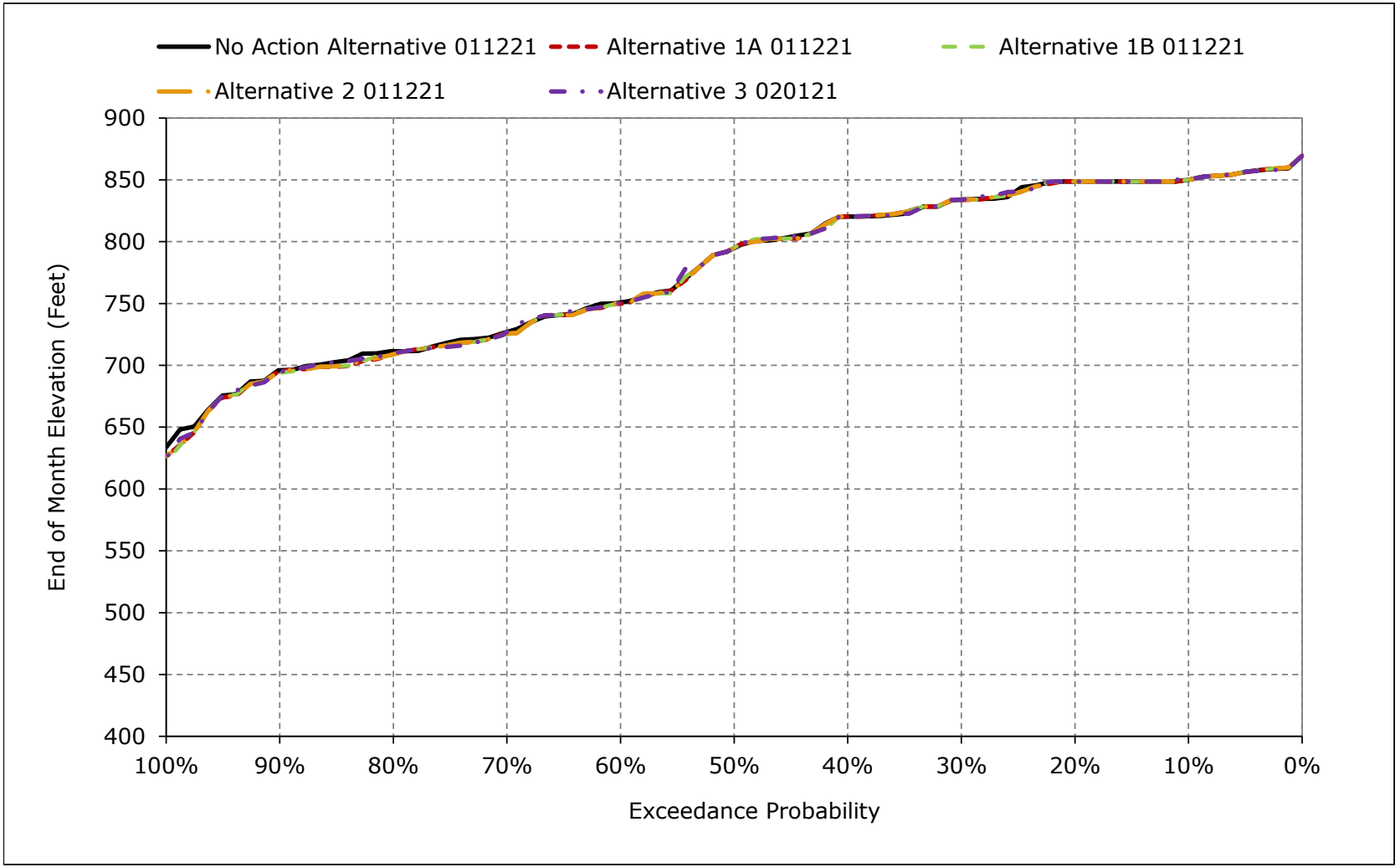


Figure 5B2-20-5. Lake Oroville Elevation, February

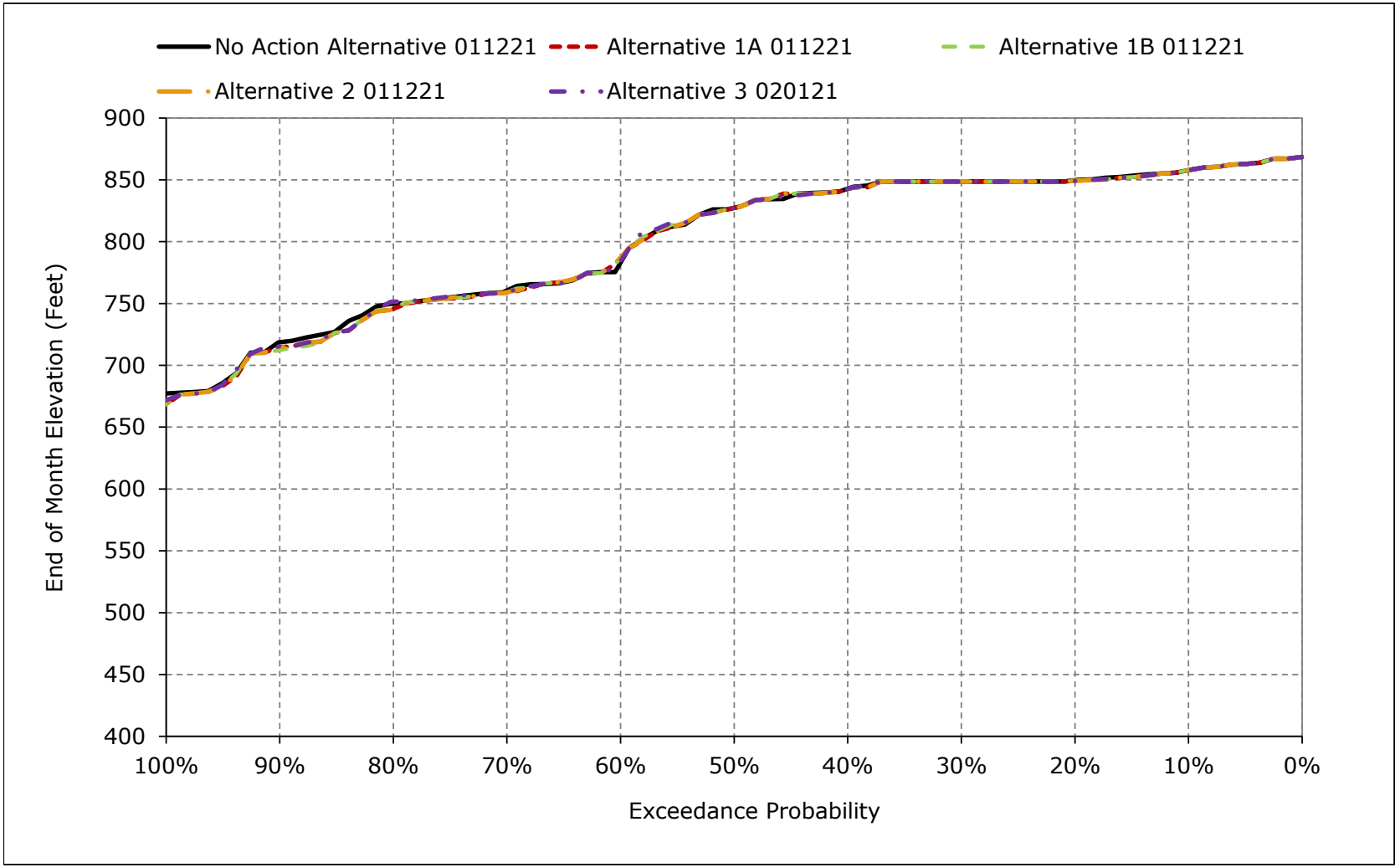


Figure 5B2-20-6. Lake Oroville Elevation, March

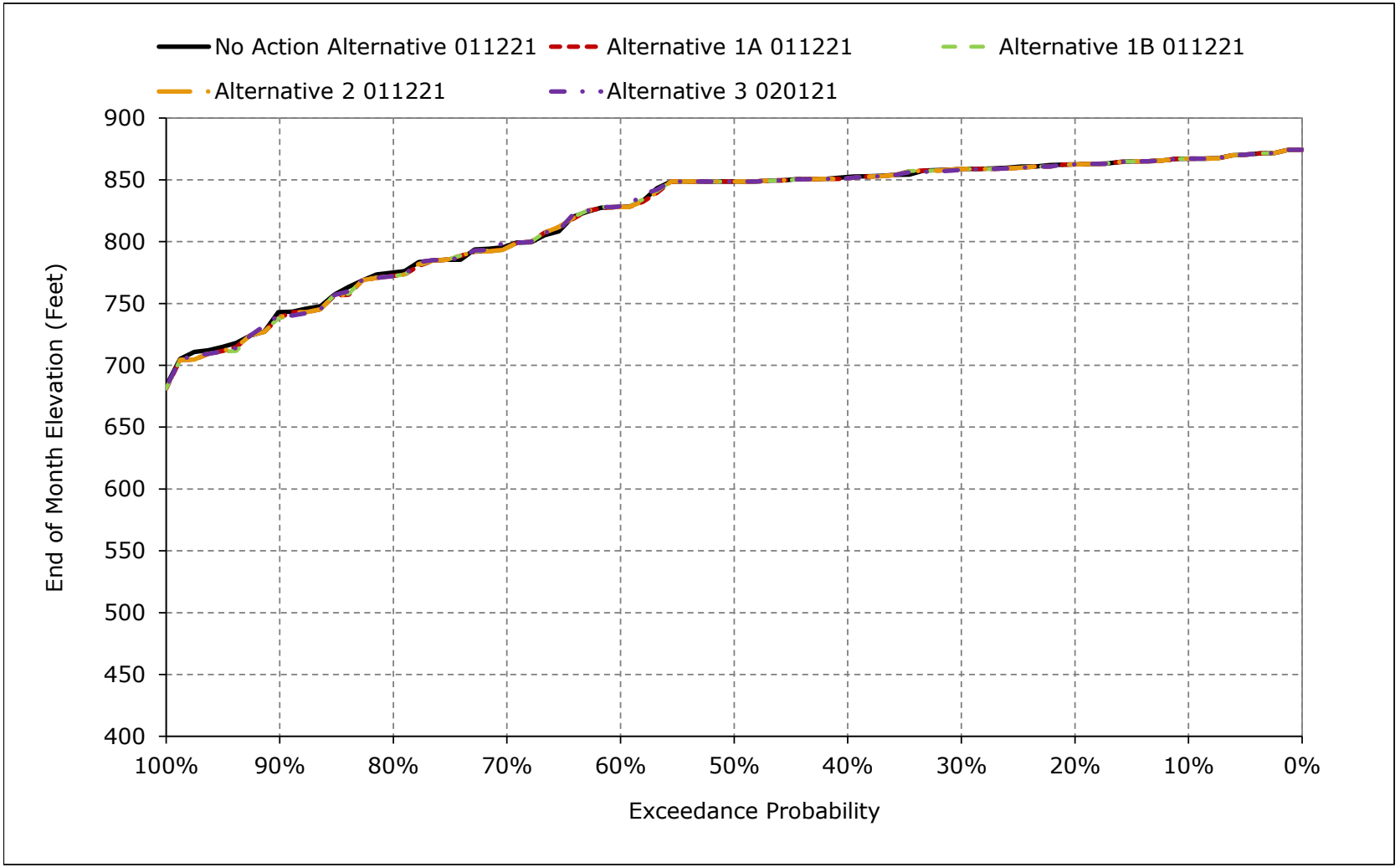


Figure 5B2-20-7. Lake Oroville Elevation, April

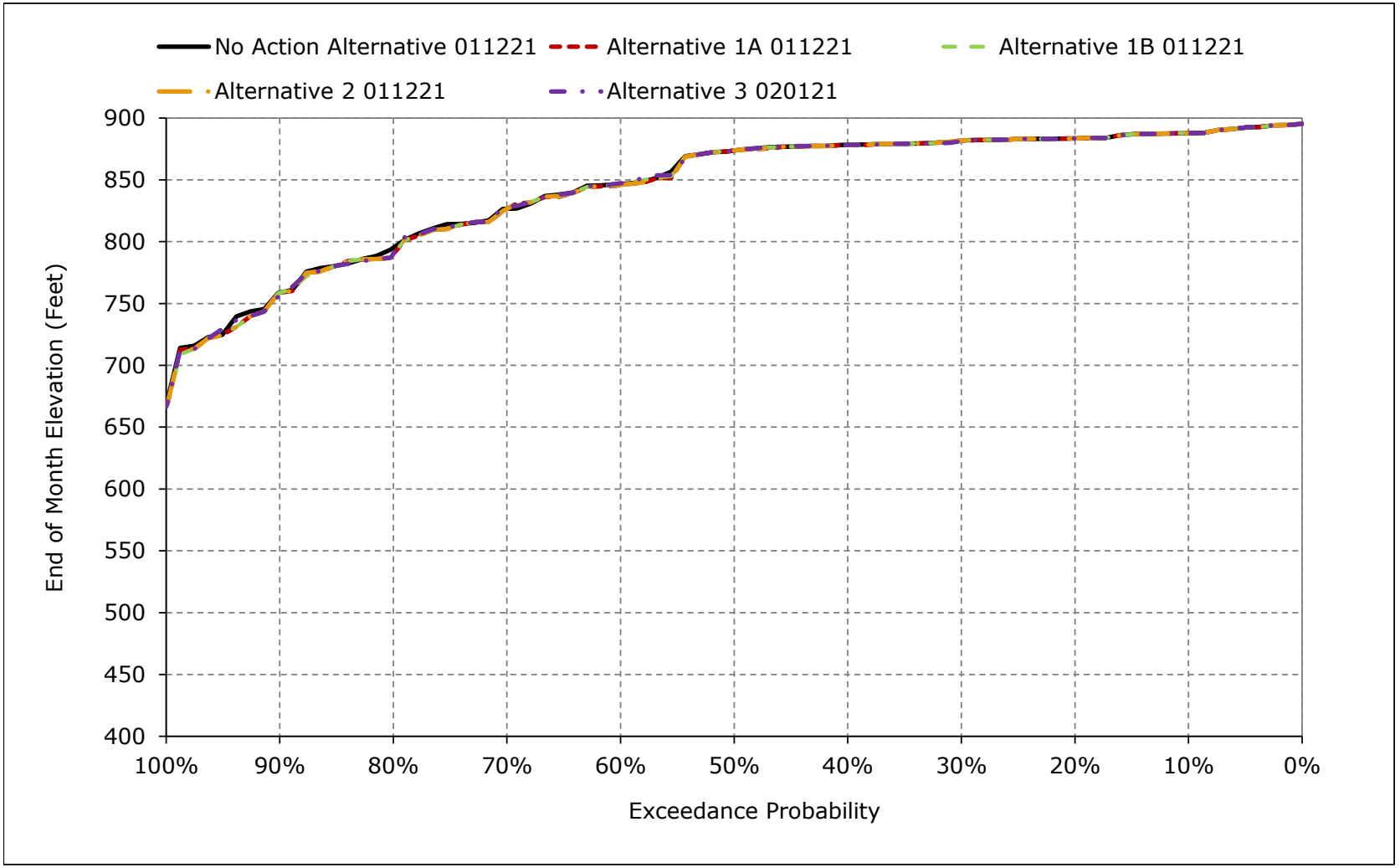


Figure 5B2-20-8. Lake Oroville Elevation, May

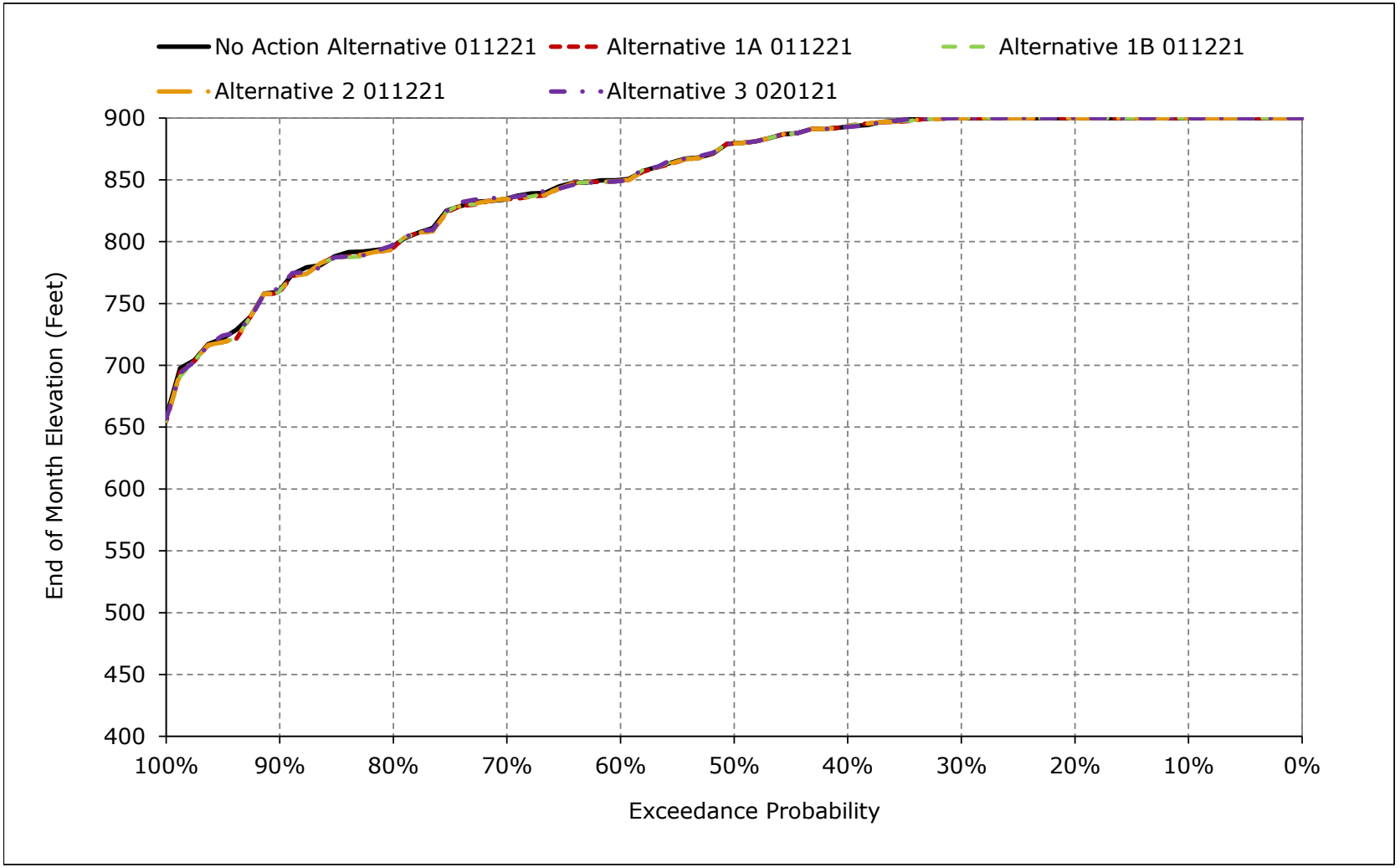


Figure 5B2-20-9. Lake Oroville Elevation, June

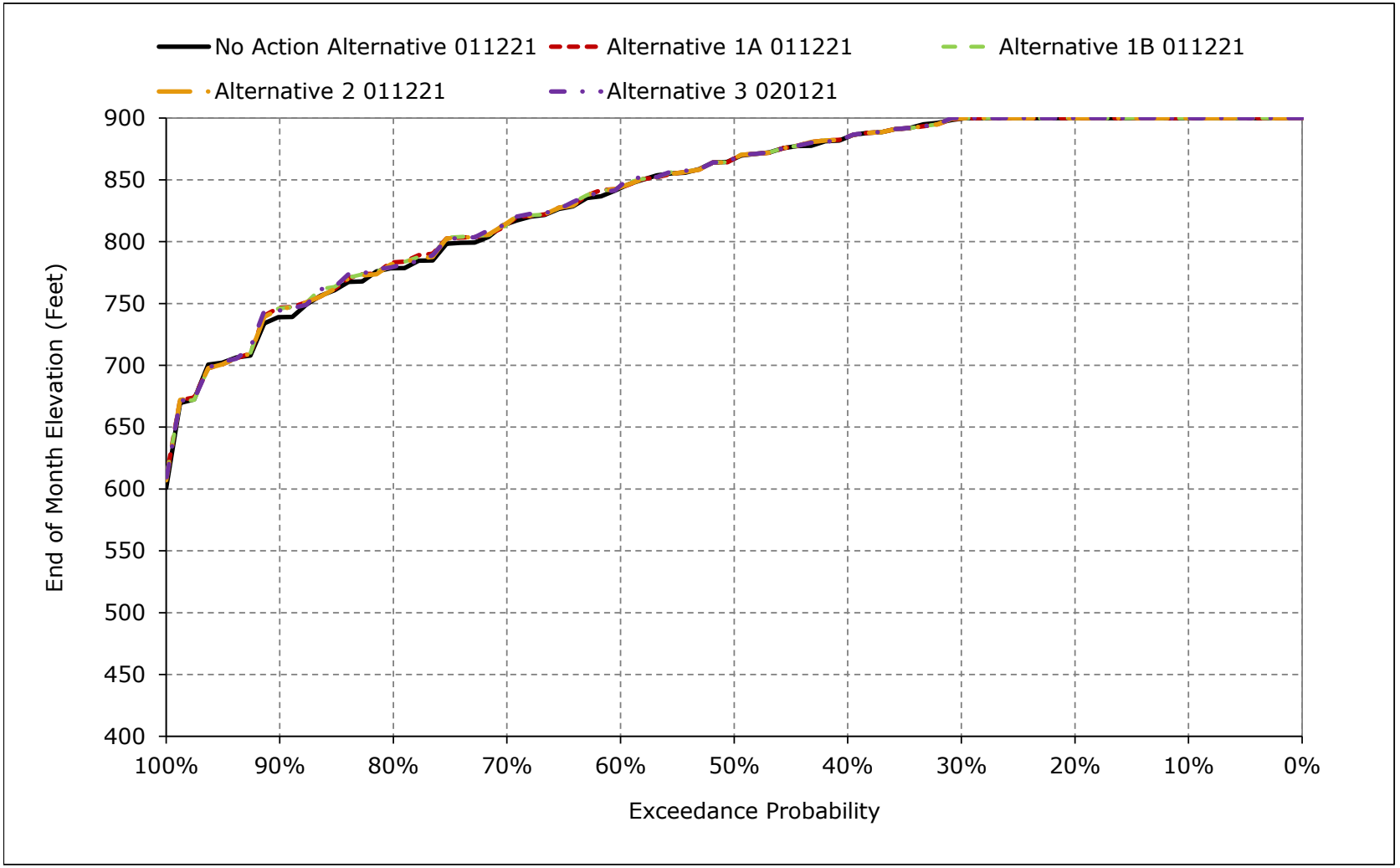


Figure 5B2-20-10. Lake Oroville Elevation, July

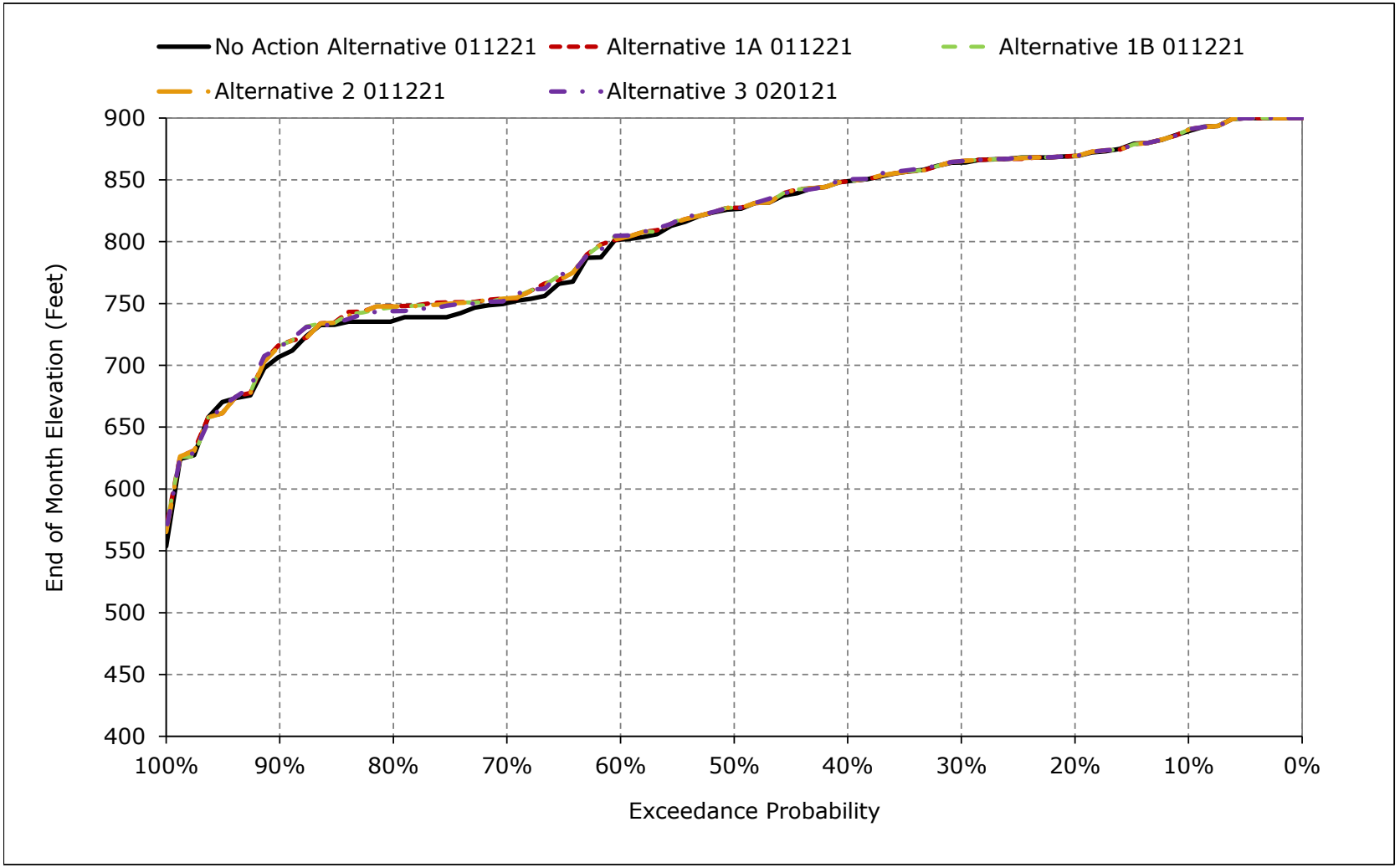


Figure 5B2-20-11. Lake Oroville Elevation, August

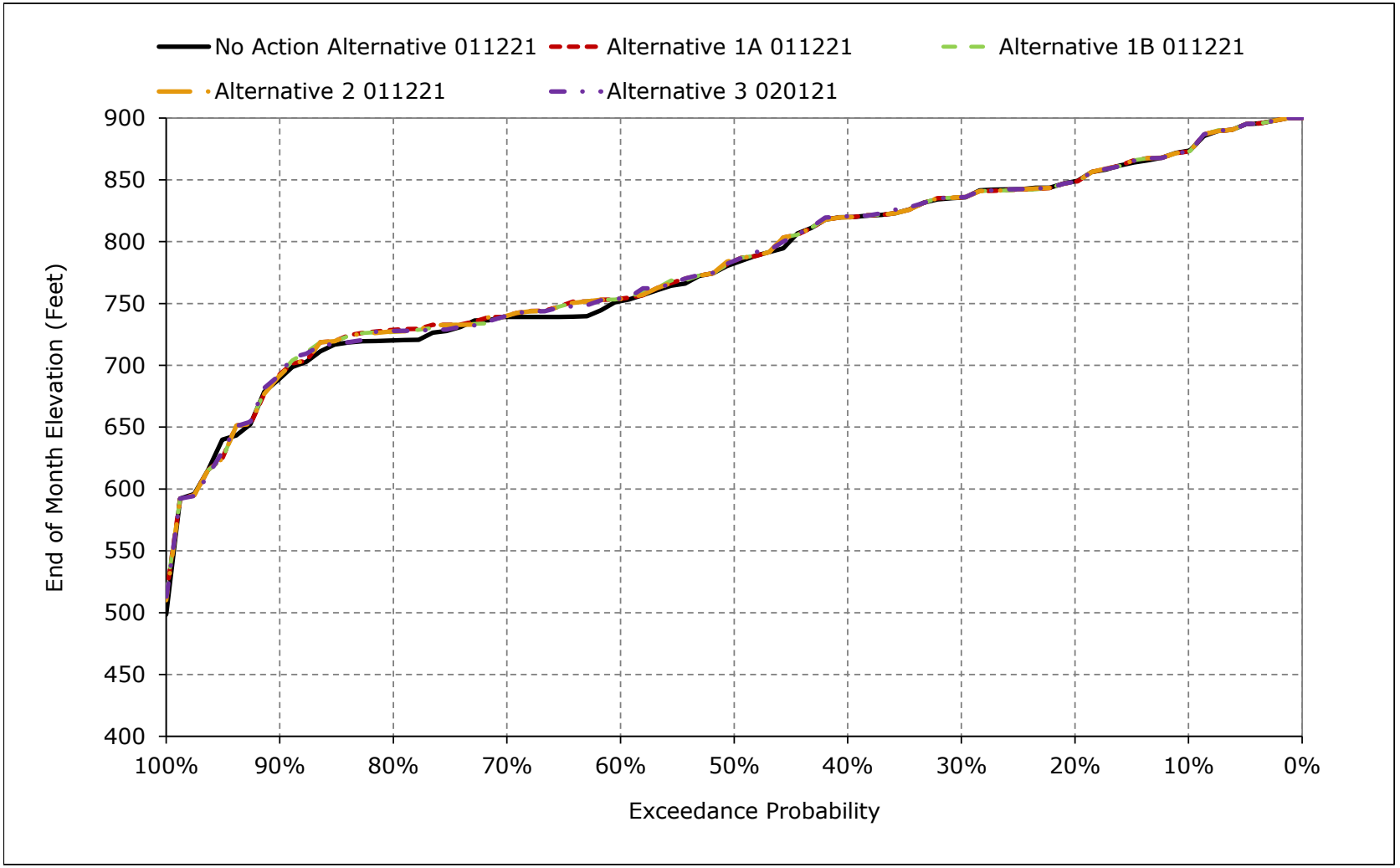


Figure 5B2-20-12. Lake Oroville Elevation, September

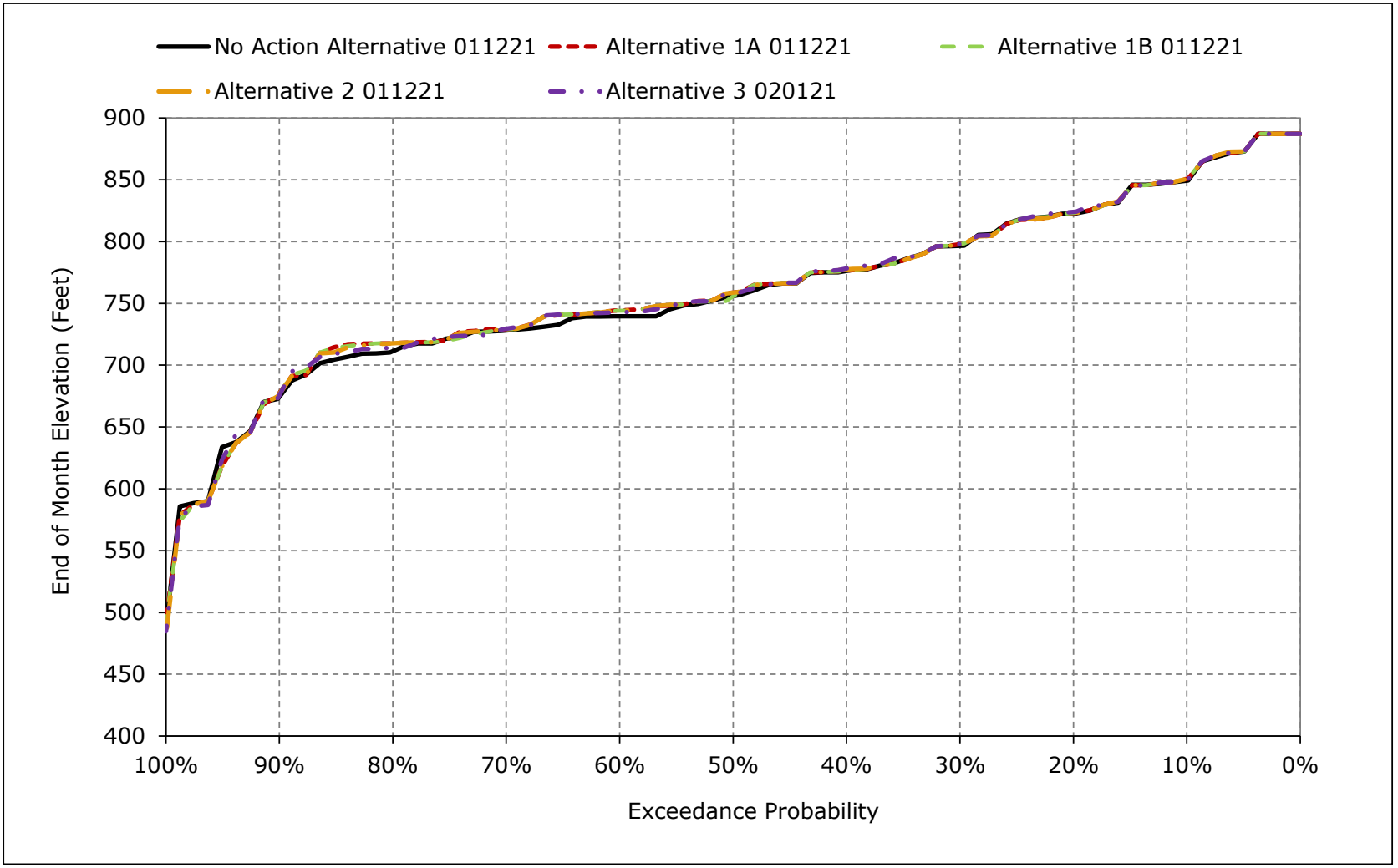


Table 5B2-21-1a. Lake Oroville Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,202	13,220	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,284	14,514	13,330
20%	11,392	11,751	12,551	13,303	13,352	13,976	15,002	15,804	15,804	14,307	13,306	12,039
30%	10,641	10,859	11,299	12,583	13,304	13,788	14,910	15,804	15,782	14,051	12,667	11,038
40%	9,654	10,038	10,458	11,913	13,016	13,482	14,748	15,471	15,058	13,310	11,890	10,301
50%	9,024	9,015	9,531	10,971	12,259	13,304	14,523	14,804	14,199	12,206	10,523	9,554
60%	8,604	8,543	8,995	9,371	10,546	12,295	13,204	13,371	13,043	11,221	9,411	8,983
70%	8,134	7,773	7,594	8,558	9,727	11,036	12,223	12,623	11,682	9,355	8,968	8,595
80%	7,673	7,201	7,351	8,025	9,337	10,251	10,983	11,030	10,377	8,864	8,322	8,024
90%	6,449	6,545	6,722	7,502	8,277	9,104	9,661	9,736	8,967	7,881	7,278	6,760
Long Term												
Full Simulation Period[a]	9,435	9,340	9,721	10,514	11,400	12,235	13,200	13,612	13,126	11,666	10,691	9,890
Water Year Types[b,c]												
Wet (32%)	12,107	11,993	12,043	12,704	13,527	13,827	15,023	15,702	15,636	14,648	13,886	12,725
Above Normal (15%)	10,132	9,985	10,216	10,899	12,234	13,720	14,995	15,652	15,352	13,674	12,270	10,696
Below Normal (17%)	9,128	9,035	9,656	10,008	11,024	12,050	13,391	14,053	13,700	11,768	10,032	9,441
Dry (22%)	7,791	7,717	8,548	8,973	9,857	11,066	11,794	11,878	10,875	9,079	8,516	8,216
Critical (15%)	5,773	5,737	6,029	8,290	8,715	9,271	9,341	9,128	8,169	6,960	6,220	5,979

Table 5B2-21-1b. Lake Oroville 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%	12,991	13,106	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,345	14,491	13,402
20%	11,393	11,728	12,417	13,303	13,331	13,976	15,002	15,804	15,804	14,308	13,293	12,051
30%	10,636	10,966	11,292	12,578	13,304	13,787	14,916	15,804	15,787	14,104	12,678	11,083
40%	9,668	9,999	10,448	11,913	13,001	13,433	14,740	15,493	15,067	13,310	11,886	10,307
50%	9,065	9,015	9,589	10,980	12,255	13,304	14,523	14,800	14,207	12,266	10,591	9,658
60%	8,763	8,531	8,997	9,337	10,688	12,293	13,160	13,332	13,069	11,251	9,479	9,147
70%	8,122	7,700	7,642	8,515	9,665	10,983	12,220	12,606	11,671	9,486	9,005	8,632
80%	7,697	7,302	7,272	7,940	9,193	10,154	10,792	10,984	10,550	9,270	8,619	8,243
90%	6,370	6,538	6,654	7,472	8,140	8,956	9,658	9,687	9,221	8,201	7,389	6,871
Long Term												
Full Simulation Period[a]	9,420	9,309	9,688	10,486	11,371	12,210	13,175	13,586	13,165	11,755	10,757	9,942
Water Year Types[b,c]												
Wet (32%)	12,099	11,984	12,031	12,713	13,524	13,827	15,023	15,702	15,639	14,656	13,892	12,731
Above Normal (15%)	10,123	9,976	10,218	10,869	12,211	13,705	14,982	15,640	15,345	13,663	12,259	10,685
Below Normal (17%)	9,145	9,018	9,632	10,004	11,023	12,049	13,390	14,050	13,729	11,865	10,127	9,538
Dry (22%)	7,807	7,693	8,516	8,893	9,782	10,995	11,730	11,813	10,988	9,332	8,714	8,387
Critical (15%)	5,653	5,611	5,905	8,228	8,654	9,224	9,284	9,064	8,232	7,070	6,262	5,962

Table 5B2-21-1c. Lake Oroville 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%	-211	-114	0	0	0	0	0	0	0	61	-23	72
20%	1	-22	-134	0	-21	0	0	0	0	1	-13	12
30%	-6	107	-6	-5	0	-2	5	0	5	53	11	45
40%	15	-39	-11	0	-15	-49	-8	22	9	0	-4	6
50%	41	0	58	9	-4	0	0	-4	8	61	68	104
60%	159	-12	2	-33	141	-2	-44	-38	26	30	67	164
70%	-12	-72	48	-43	-61	-53	-3	-17	-11	131	36	37
80%	24	100	-79	-85	-143	-97	-191	-46	173	407	297	219
90%	-80	-7	-68	-31	-136	-148	-3	-48	254	320	111	111
Long Term												
Full Simulation Period[a]	-15	-30	-33	-28	-30	-25	-25	-26	39	89	66	52
Water Year Types[b,c]												
Wet (32%)	-8	-9	-13	10	-3	0	0	0	2	8	6	6
Above Normal (15%)	-8	-9	2	-29	-23	-15	-13	-13	-7	-11	-11	-11
Below Normal (17%)	17	-17	-24	-4	0	-1	-2	-3	29	98	95	97
Dry (22%)	16	-23	-31	-80	-75	-71	-64	-65	113	253	198	171
Critical (15%)	-120	-126	-124	-62	-62	-48	-58	-64	63	110	41	-17

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 5B2-21-2a. Lake Oroville 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%	13,202	13,220	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,284	14,514	13,330
20%	11,392	11,751	12,551	13,303	13,352	13,976	15,002	15,804	15,804	14,307	13,306	12,039
30%	10,641	10,859	11,299	12,583	13,304	13,788	14,910	15,804	15,782	14,051	12,667	11,038
40%	9,654	10,038	10,458	11,913	13,016	13,482	14,748	15,471	15,058	13,310	11,890	10,301
50%	9,024	9,015	9,531	10,971	12,259	13,304	14,523	14,804	14,199	12,206	10,523	9,554
60%	8,604	8,543	8,995	9,371	10,546	12,295	13,204	13,371	13,043	11,221	9,411	8,983
70%	8,134	7,773	7,594	8,558	9,727	11,036	12,223	12,623	11,682	9,355	8,968	8,595
80%	7,673	7,201	7,351	8,025	9,337	10,251	10,983	11,030	10,377	8,864	8,322	8,024
90%	6,449	6,545	6,722	7,502	8,277	9,104	9,661	9,736	8,967	7,881	7,278	6,760
Long Term												
Full Simulation Period[a]	9,435	9,340	9,721	10,514	11,400	12,235	13,200	13,612	13,126	11,666	10,691	9,890
Water Year Types[b,c]												
Wet (32%)	12,107	11,993	12,043	12,704	13,527	13,827	15,023	15,702	15,636	14,648	13,886	12,725
Above Normal (15%)	10,132	9,985	10,216	10,899	12,234	13,720	14,995	15,652	15,352	13,674	12,270	10,696
Below Normal (17%)	9,128	9,035	9,656	10,008	11,024	12,050	13,391	14,053	13,700	11,768	10,032	9,441
Dry (22%)	7,791	7,717	8,548	8,973	9,857	11,066	11,794	11,878	10,875	9,079	8,516	8,216
Critical (15%)	5,773	5,737	6,029	8,290	8,715	9,271	9,341	9,128	8,169	6,960	6,220	5,979

Table 5B2-21-2b. Lake Oroville 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%	13,000	13,115	13,308	13,368	13,749	14,203	15,213	15,804	15,804	15,345	14,488	13,403
20%	11,393	11,727	12,417	13,304	13,339	13,976	15,002	15,804	15,804	14,308	13,293	12,051
30%	10,636	10,960	11,294	12,585	13,304	13,787	14,916	15,804	15,803	14,104	12,678	11,083
40%	9,675	9,938	10,459	11,916	13,000	13,433	14,740	15,496	15,067	13,312	11,887	10,304
50%	9,068	9,021	9,593	10,981	12,255	13,304	14,523	14,800	14,210	12,264	10,588	9,547
60%	8,721	8,537	9,002	9,338	10,685	12,301	13,192	13,330	13,104	11,318	9,487	9,141
70%	8,038	7,700	7,641	8,487	9,686	10,986	12,228	12,607	11,680	9,503	9,000	8,624
80%	7,696	7,278	7,223	7,940	9,201	10,149	10,795	11,025	10,445	9,237	8,558	8,252
90%	6,450	6,543	6,701	7,427	8,056	8,940	9,662	9,722	9,205	8,182	7,377	6,855
Long Term												
Full Simulation Period[a]	9,418	9,309	9,688	10,485	11,373	12,213	13,178	13,590	13,171	11,757	10,756	9,937
Water Year Types[b,c]												
Wet (32%)	12,101	11,986	12,033	12,698	13,524	13,827	15,023	15,702	15,639	14,656	13,893	12,733
Above Normal (15%)	10,122	9,982	10,224	10,884	12,217	13,710	14,987	15,645	15,349	13,671	12,258	10,696
Below Normal (17%)	9,141	9,007	9,630	10,019	11,037	12,061	13,402	14,062	13,740	11,875	10,137	9,522
Dry (22%)	7,793	7,689	8,506	8,894	9,783	10,996	11,731	11,823	11,008	9,335	8,702	8,371
Critical (15%)	5,658	5,616	5,910	8,223	8,649	9,220	9,280	9,061	8,226	7,057	6,263	5,951

Table 5B2-21-2c. Lake Oroville 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%	-202	-105	4	1	0	0	0	0	0	61	-27	73
20%	1	-24	-133	1	-13	0	0	0	0	1	-13	12
30%	-5	101	-5	1	0	-2	5	0	20	53	11	46
40%	22	-100	0	3	-16	-49	-8	25	10	2	-3	3
50%	43	7	62	9	-3	0	0	-4	12	58	66	-7
60%	117	-7	7	-32	139	6	-13	-40	62	97	75	158
70%	-96	-73	48	-71	-40	-50	5	-17	-2	147	32	30
80%	23	77	-128	-84	-136	-101	-188	-5	68	373	236	228
90%	1	-3	-21	-75	-220	-164	0	-14	237	301	99	95
Long Term												
Full Simulation Period[a]	-17	-31	-33	-29	-27	-22	-22	-22	45	91	65	46
Water Year Types[b,c]												
Wet (32%)	-6	-6	-10	-6	-3	0	0	0	2	8	6	8
Above Normal (15%)	-9	-3	8	-15	-17	-10	-8	-7	-2	-3	-12	-1
Below Normal (17%)	13	-28	-26	11	13	11	10	9	40	107	105	81
Dry (22%)	2	-27	-41	-80	-74	-70	-63	-55	133	256	186	155
Critical (15%)	-115	-121	-120	-66	-66	-52	-61	-68	57	97	42	-28

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 5B2-21-3a. Lake Oroville 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%	13,202	13,220	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,284	14,514	13,330
20%	11,392	11,751	12,551	13,303	13,352	13,976	15,002	15,804	15,804	14,307	13,306	12,039
30%	10,641	10,859	11,299	12,583	13,304	13,788	14,910	15,804	15,782	14,051	12,667	11,038
40%	9,654	10,038	10,458	11,913	13,016	13,482	14,748	15,471	15,058	13,310	11,890	10,301
50%	9,024	9,015	9,531	10,971	12,259	13,304	14,523	14,804	14,199	12,206	10,523	9,554
60%	8,604	8,543	8,995	9,371	10,546	12,295	13,204	13,371	13,043	11,221	9,411	8,983
70%	8,134	7,773	7,594	8,558	9,727	11,036	12,223	12,623	11,682	9,355	8,968	8,595
80%	7,673	7,201	7,351	8,025	9,337	10,251	10,983	11,030	10,377	8,864	8,322	8,024
90%	6,449	6,545	6,722	7,502	8,277	9,104	9,661	9,736	8,967	7,881	7,278	6,760
Long Term												
Full Simulation Period[a]	9,435	9,340	9,721	10,514	11,400	12,235	13,200	13,612	13,126	11,666	10,691	9,890
Water Year Types[b,c]												
Wet (32%)	12,107	11,993	12,043	12,704	13,527	13,827	15,023	15,702	15,636	14,648	13,886	12,725
Above Normal (15%)	10,132	9,985	10,216	10,899	12,234	13,720	14,995	15,652	15,352	13,674	12,270	10,696
Below Normal (17%)	9,128	9,035	9,656	10,008	11,024	12,050	13,391	14,053	13,700	11,768	10,032	9,441
Dry (22%)	7,791	7,717	8,548	8,973	9,857	11,066	11,794	11,878	10,875	9,079	8,516	8,216
Critical (15%)	5,773	5,737	6,029	8,290	8,715	9,271	9,341	9,128	8,169	6,960	6,220	5,979

Table 5B2-21-3b. Lake Oroville 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%	12,986	13,101	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,345	14,489	13,402
20%	11,393	11,769	12,417	13,303	13,327	13,976	15,002	15,804	15,804	14,308	13,293	12,051
30%	10,636	10,963	11,294	12,585	13,304	13,786	14,916	15,804	15,793	14,104	12,678	11,083
40%	9,676	9,999	10,448	11,913	13,001	13,433	14,740	15,493	15,067	13,310	11,886	10,341
50%	9,066	9,015	9,589	10,980	12,254	13,304	14,523	14,800	14,207	12,263	10,626	9,658
60%	8,763	8,531	8,997	9,337	10,688	12,293	13,169	13,333	13,076	11,263	9,479	9,143
70%	8,123	7,700	7,642	8,514	9,672	10,981	12,219	12,605	11,718	9,491	9,005	8,629
80%	7,697	7,302	7,272	7,941	9,193	10,154	10,792	10,985	10,508	9,258	8,573	8,241
90%	6,403	6,542	6,684	7,468	8,138	8,953	9,658	9,687	9,183	8,165	7,355	6,838
Long Term												
Full Simulation Period[a]	9,423	9,312	9,690	10,488	11,372	12,212	13,177	13,587	13,160	11,750	10,753	9,936
Water Year Types[b,c]												
Wet (32%)	12,101	11,986	12,031	12,714	13,524	13,827	15,023	15,702	15,639	14,656	13,893	12,733
Above Normal (15%)	10,126	9,979	10,221	10,873	12,213	13,706	14,983	15,641	15,346	13,665	12,262	10,688
Below Normal (17%)	9,153	9,023	9,634	10,005	11,025	12,050	13,391	14,050	13,729	11,865	10,133	9,544
Dry (22%)	7,808	7,696	8,520	8,898	9,786	10,999	11,734	11,817	10,975	9,317	8,697	8,363
Critical (15%)	5,654	5,614	5,908	8,227	8,653	9,223	9,283	9,063	8,219	7,053	6,250	5,938

Table 5B2-21-3c. Lake Oroville 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%	-216	-119	0	0	0	0	0	0	0	61	-25	72
20%	1	18	-134	0	-25	0	0	0	0	1	-13	12
30%	-6	105	-5	2	0	-2	5	0	11	53	11	45
40%	22	-39	-10	0	-15	-49	-8	22	9	0	-4	40
50%	41	0	59	9	-5	0	0	-4	8	57	104	104
60%	159	-12	2	-33	141	-2	-35	-38	33	42	67	160
70%	-11	-72	48	-44	-54	-55	-4	-18	36	136	36	34
80%	23	100	-79	-83	-143	-97	-191	-46	131	395	251	217
90%	-47	-4	-38	-34	-139	-151	-3	-49	216	284	77	78
Long Term												
Full Simulation Period[a]	-12	-28	-31	-27	-28	-24	-24	-25	34	83	62	45
Water Year Types[b,c]												
Wet (32%)	-6	-7	-13	10	-3	0	0	0	2	8	6	8
Above Normal (15%)	-6	-6	5	-26	-21	-14	-12	-11	-5	-8	-8	-9
Below Normal (17%)	24	-12	-22	-3	1	0	-1	-3	29	97	101	103
Dry (22%)	16	-20	-28	-75	-70	-67	-60	-61	100	237	181	147
Critical (15%)	-119	-123	-121	-63	-63	-49	-59	-65	50	93	30	-41

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 5B2-21-4a. Lake Oroville 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%	13,202	13,220	13,304	13,367	13,749	14,203	15,213	15,804	15,804	15,284	14,514	13,330
20%	11,392	11,751	12,551	13,303	13,352	13,976	15,002	15,804	15,804	14,307	13,306	12,039
30%	10,641	10,859	11,299	12,583	13,304	13,788	14,910	15,804	15,782	14,051	12,667	11,038
40%	9,654	10,038	10,458	11,913	13,016	13,482	14,748	15,471	15,058	13,310	11,890	10,301
50%	9,024	9,015	9,531	10,971	12,259	13,304	14,523	14,804	14,199	12,206	10,523	9,554
60%	8,604	8,543	8,995	9,371	10,546	12,295	13,204	13,371	13,043	11,221	9,411	8,983
70%	8,134	7,773	7,594	8,558	9,727	11,036	12,223	12,623	11,682	9,355	8,968	8,595
80%	7,673	7,201	7,351	8,025	9,337	10,251	10,983	11,030	10,377	8,864	8,322	8,024
90%	6,449	6,545	6,722	7,502	8,277	9,104	9,661	9,736	8,967	7,881	7,278	6,760
Long Term												
Full Simulation Period[a]	9,435	9,340	9,721	10,514	11,400	12,235	13,200	13,612	13,126	11,666	10,691	9,890
Water Year Types[b,c]												
Wet (32%)	12,107	11,993	12,043	12,704	13,527	13,827	15,023	15,702	15,636	14,648	13,886	12,725
Above Normal (15%)	10,132	9,985	10,216	10,899	12,234	13,720	14,995	15,652	15,352	13,674	12,270	10,696
Below Normal (17%)	9,128	9,035	9,656	10,008	11,024	12,050	13,391	14,053	13,700	11,768	10,032	9,441
Dry (22%)	7,791	7,717	8,548	8,973	9,857	11,066	11,794	11,878	10,875	9,079	8,516	8,216
Critical (15%)	5,773	5,737	6,029	8,290	8,715	9,271	9,341	9,128	8,169	6,960	6,220	5,979

Table 5B2-21-4b. Lake Oroville 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%	12,963	13,076	13,304	13,386	13,749	14,203	15,213	15,804	15,804	15,346	14,480	13,377
20%	11,546	11,780	12,553	13,304	13,327	13,976	15,002	15,804	15,804	14,308	13,293	12,096
30%	10,637	10,955	11,394	12,591	13,304	13,758	14,904	15,804	15,803	14,104	12,682	11,085
40%	9,801	9,959	10,501	11,921	13,003	13,433	14,741	15,462	15,063	13,377	11,928	10,372
50%	9,072	9,078	9,635	10,981	12,254	13,304	14,523	14,800	14,212	12,253	10,591	9,648
60%	8,701	8,543	9,009	9,353	10,593	12,322	13,234	13,322	13,136	11,338	9,490	9,092
70%	8,078	7,700	7,656	8,560	9,681	11,120	12,305	12,671	11,718	9,469	9,004	8,642
80%	7,671	7,276	7,303	7,977	9,392	10,147	10,807	11,082	10,422	9,131	8,585	8,119
90%	6,573	6,547	6,717	7,464	8,156	9,009	9,577	9,828	9,152	8,141	7,395	6,803
Long Term												
Full Simulation Period[a]	9,442	9,337	9,712	10,504	11,388	12,224	13,189	13,608	13,176	11,755	10,755	9,941
Water Year Types[b,c]												
Wet (32%)	12,104	11,989	12,038	12,710	13,527	13,827	15,023	15,702	15,639	14,656	13,894	12,740
Above Normal (15%)	10,199	10,064	10,274	10,893	12,218	13,715	14,992	15,651	15,351	13,720	12,316	10,762
Below Normal (17%)	9,158	9,025	9,646	10,018	11,038	12,060	13,402	14,064	13,741	11,868	10,121	9,529
Dry (22%)	7,797	7,706	8,526	8,939	9,825	11,035	11,762	11,877	11,018	9,299	8,674	8,337
Critical (15%)	5,717	5,675	5,964	8,248	8,673	9,234	9,303	9,091	8,239	7,057	6,251	5,939

Table 5B2-21-4c. Lake Oroville 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%	-238	-144	0	19	0	0	0	0	0	62	-34	47
20%	154	29	3	1	-25	0	0	0	0	1	-13	57
30%	-5	96	95	8	0	-30	-7	0	20	53	15	48
40%	147	-79	42	8	-13	-49	-7	-9	5	66	38	71
50%	48	63	104	10	-4	0	0	-4	13	48	69	94
60%	97	-1	14	-17	47	27	30	-48	93	117	78	109
70%	-57	-73	62	2	-46	84	82	47	35	114	36	47
80%	-2	74	-48	-47	55	-104	-176	52	45	267	263	94
90%	123	1	-5	-38	-121	-95	-84	93	184	260	117	43
Long Term												
Full Simulation Period[a]	7	-3	-9	-10	-13	-11	-11	-4	49	88	64	50
Water Year Types[b,c]												
Wet (32%)	-3	-4	-5	7	1	0	0	0	2	7	8	15
Above Normal (15%)	67	79	58	-5	-17	-5	-3	-2	0	46	46	66
Below Normal (17%)	29	-9	-10	11	15	10	10	11	41	100	90	87
Dry (22%)	6	-10	-21	-34	-32	-31	-32	-1	143	220	158	121
Critical (15%)	-55	-62	-65	-42	-42	-37	-38	-37	71	97	30	-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 5B2-21-1. Lake Oroville Surface Area, October

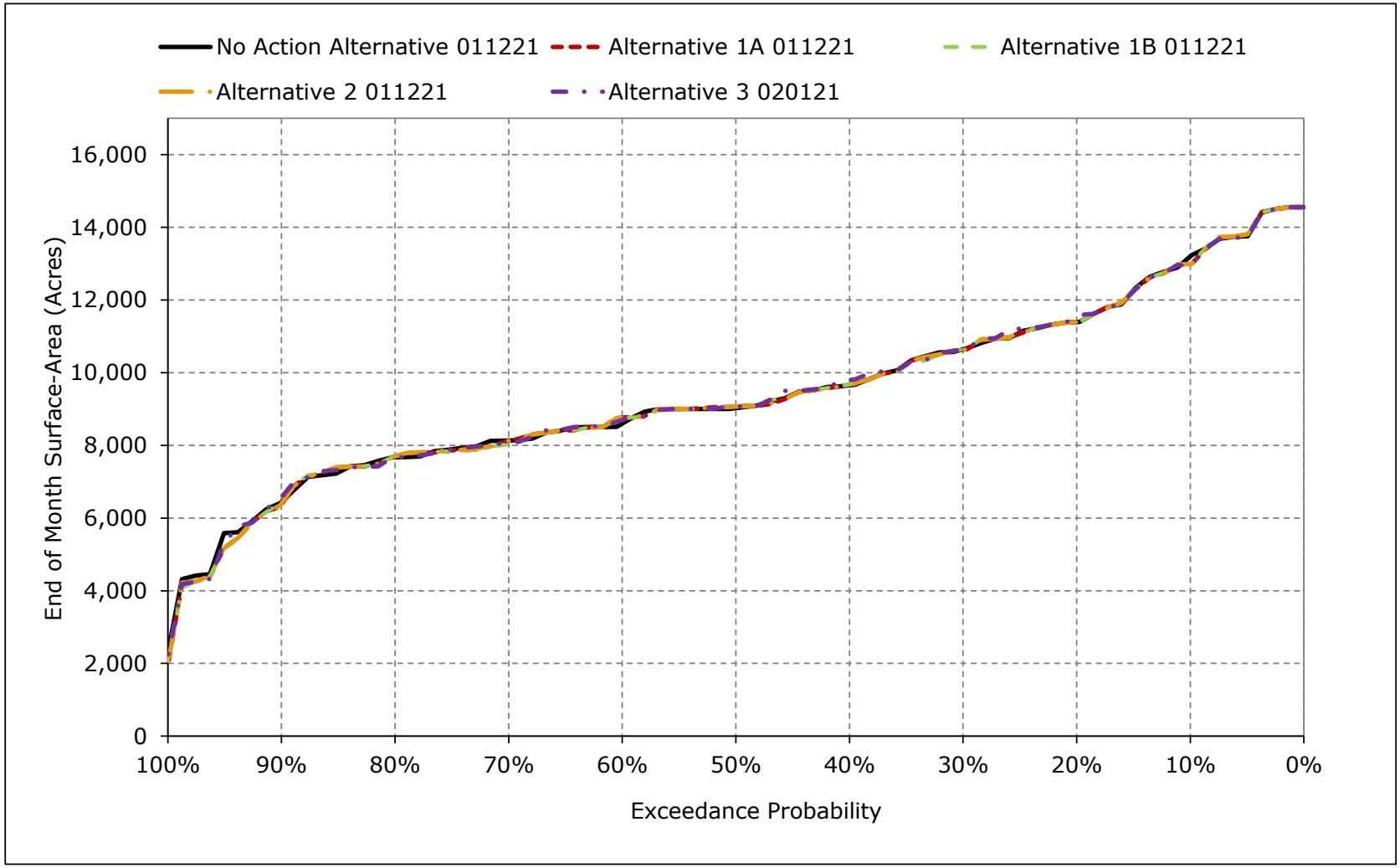


Figure 5B2-21-2. Lake Oroville Surface Area, November

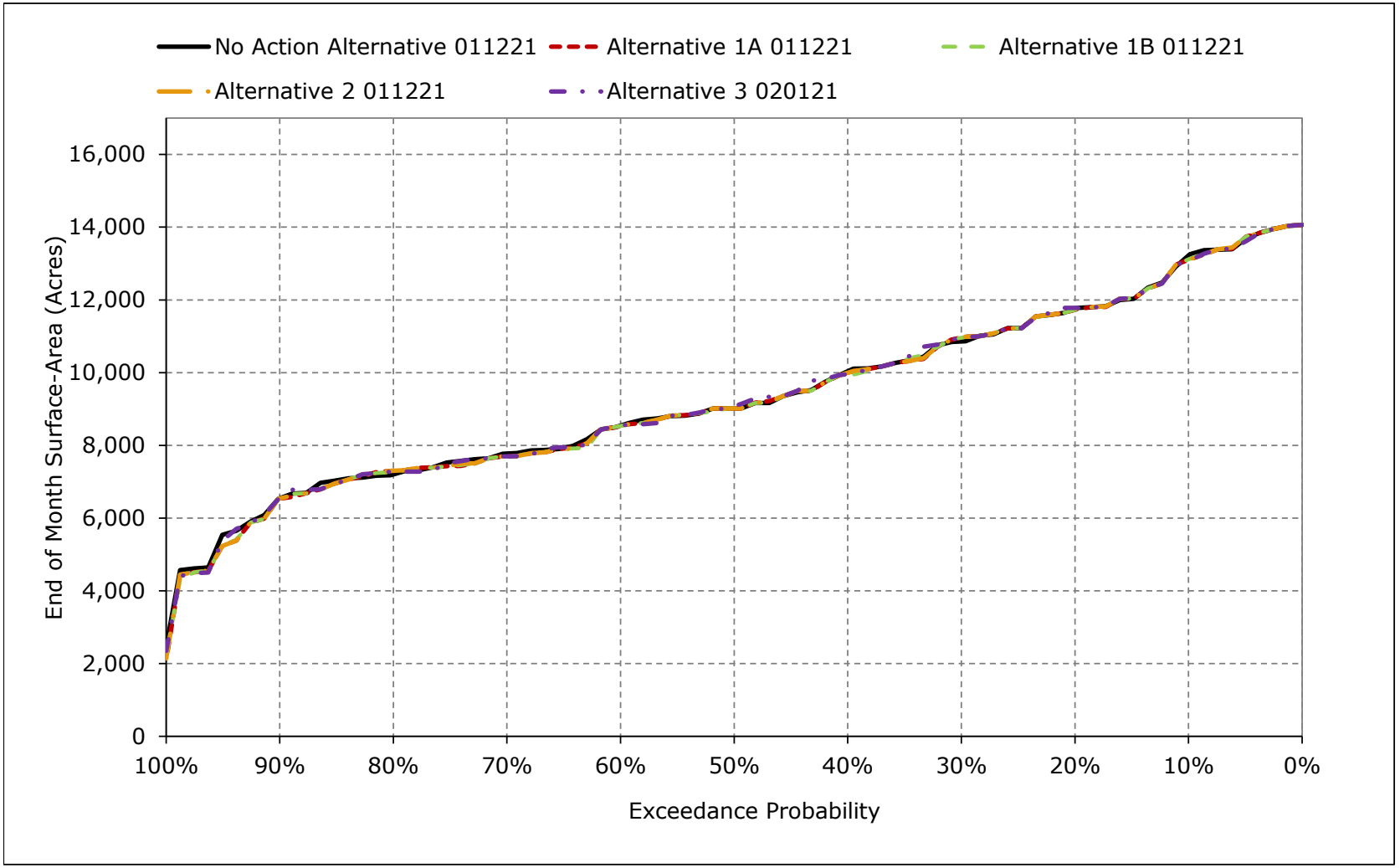


Figure 5B2-21-3. Lake Oroville Surface Area, December

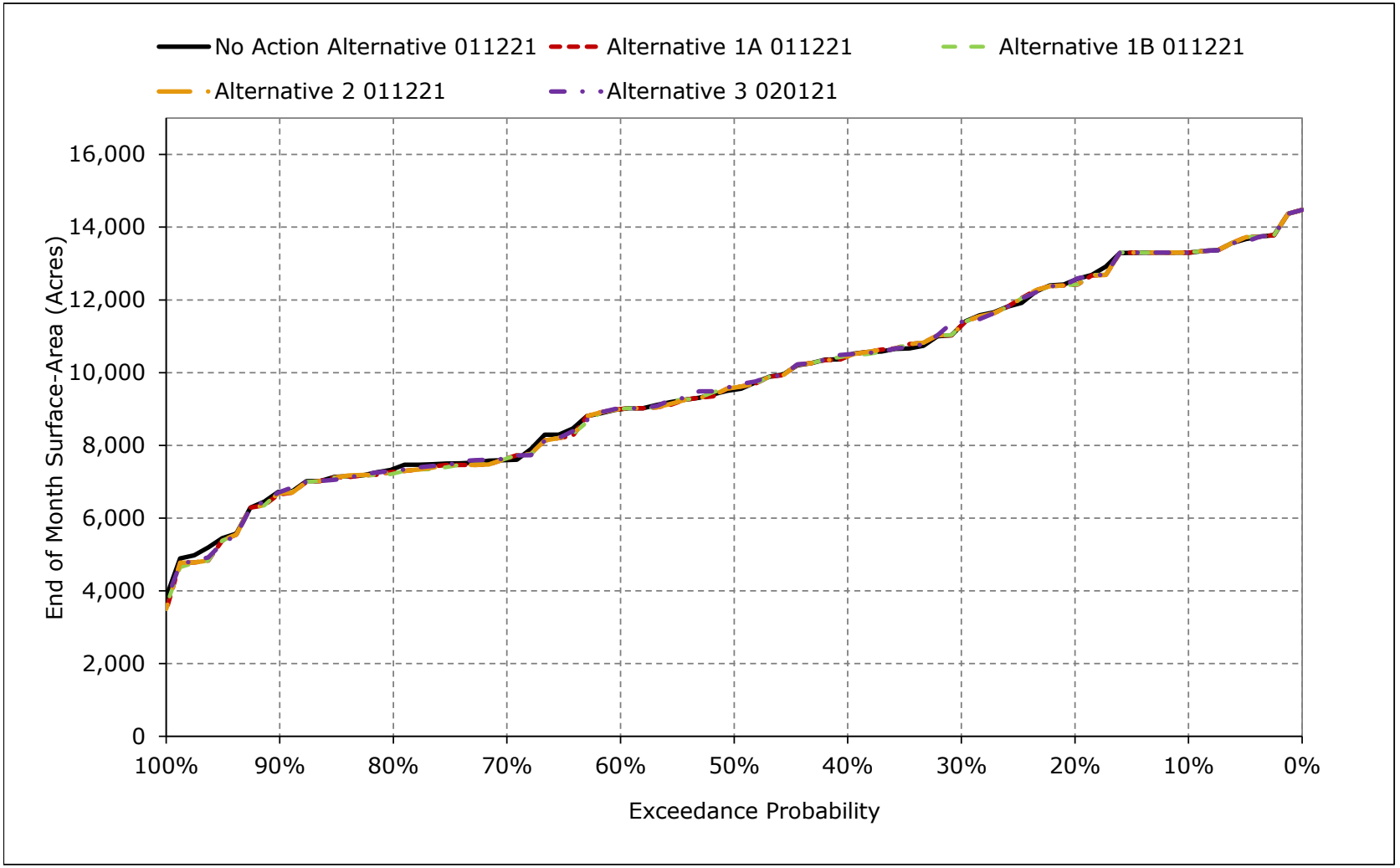


Figure 5B2-21-4. Lake Oroville Surface Area, January

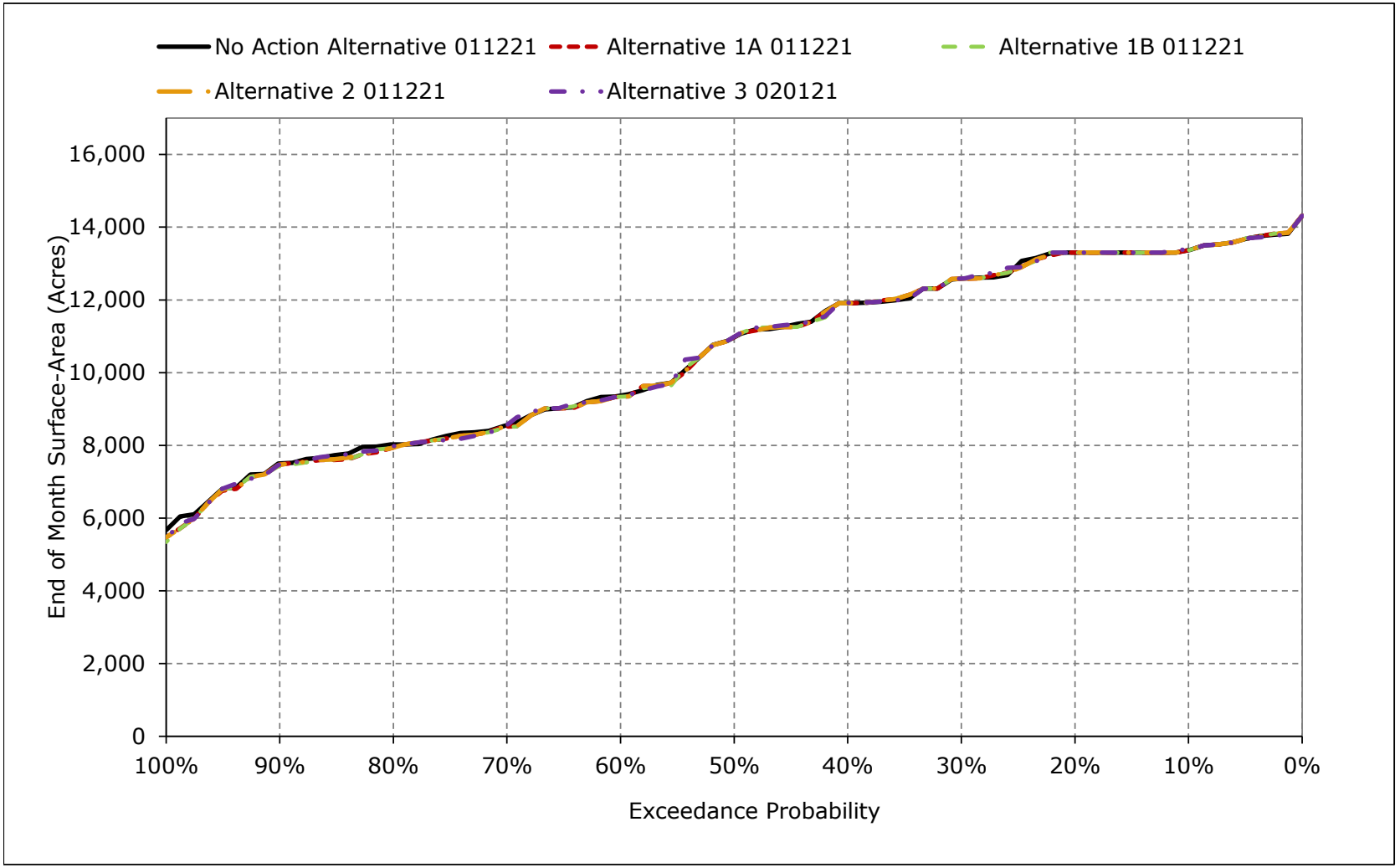


Figure 5B2-21-5. Lake Oroville Surface Area, February

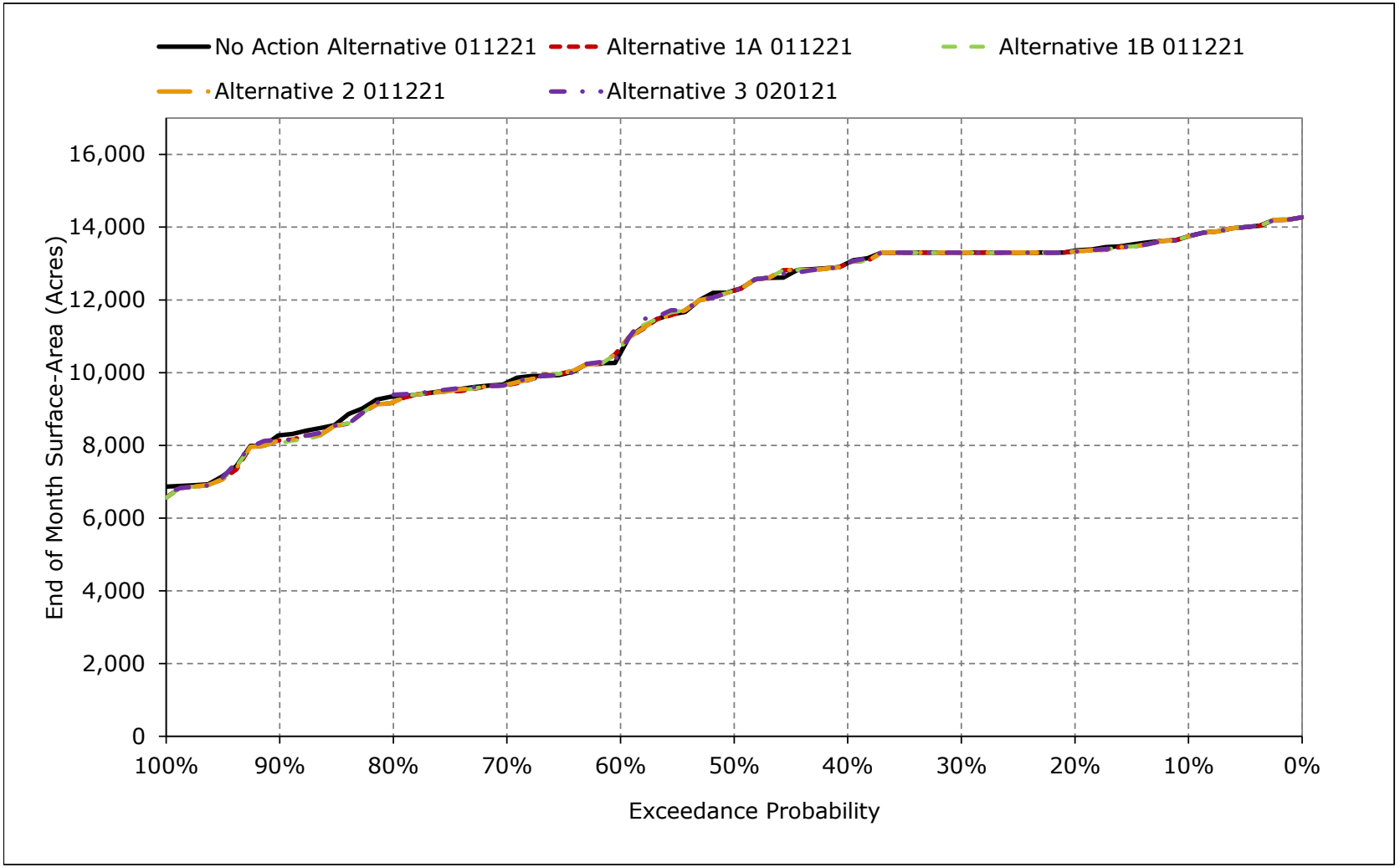


Figure 5B2-21-6. Lake Oroville Surface Area, March

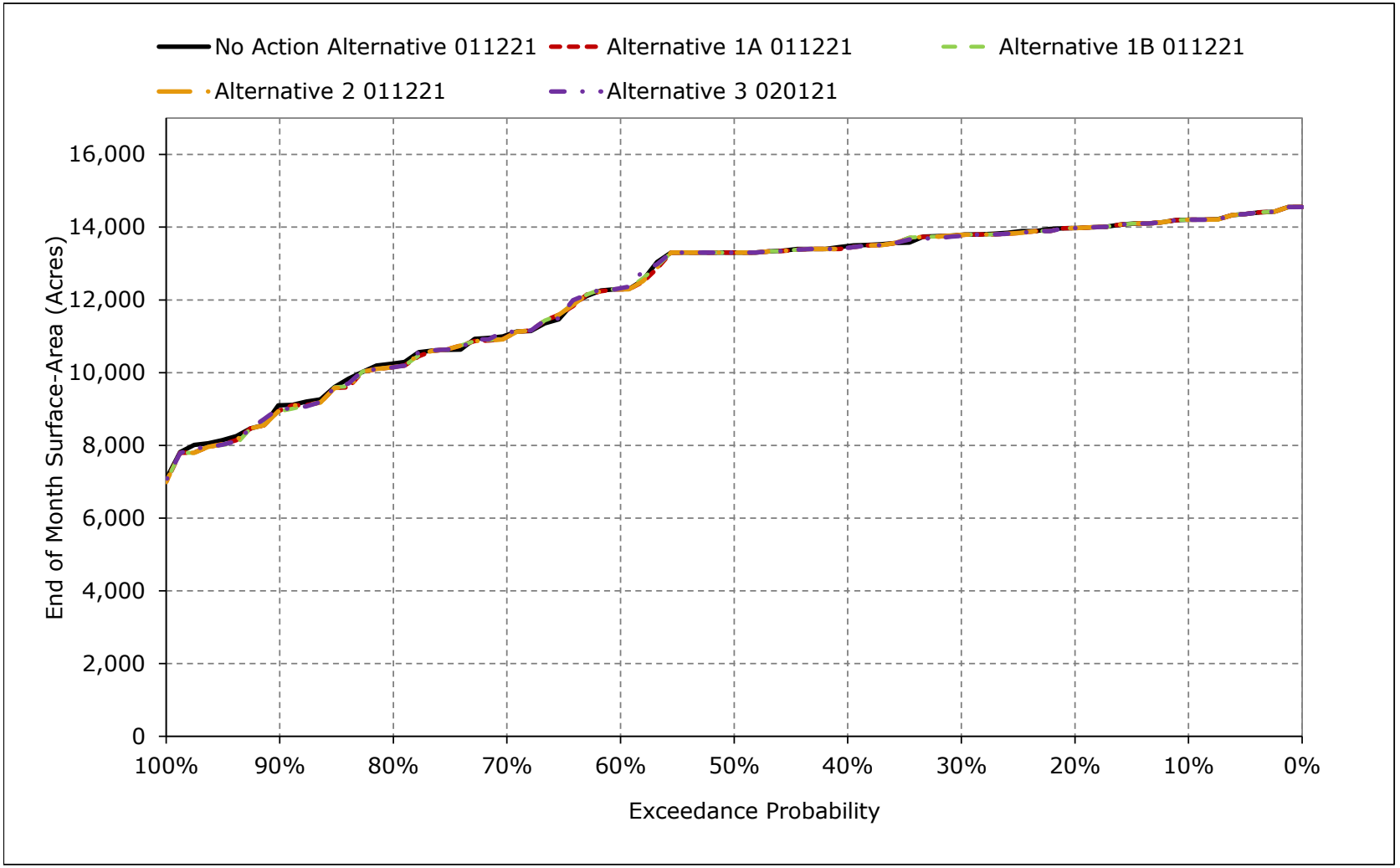


Figure 5B2-21-7. Lake Oroville Surface Area, April

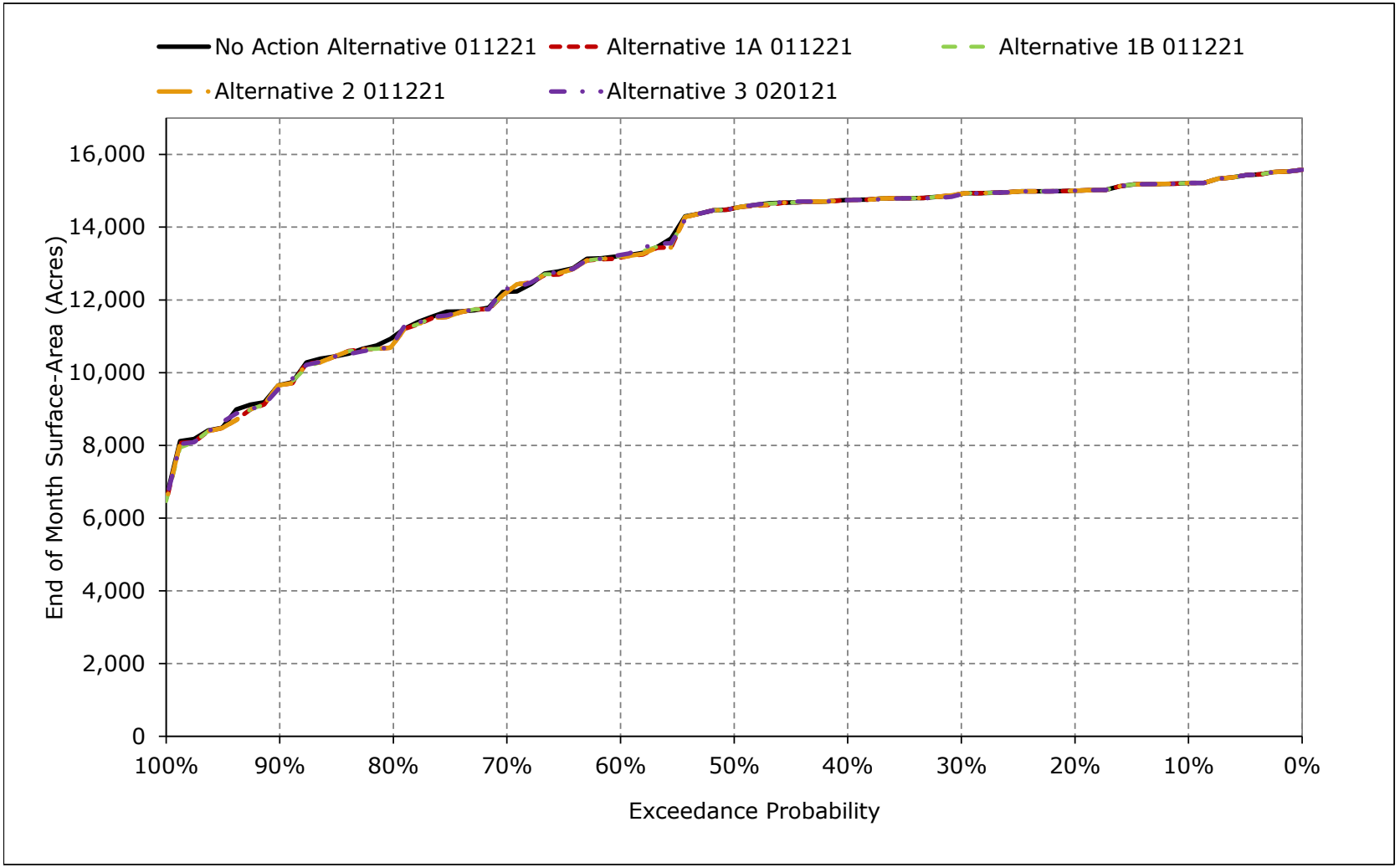


Figure 5B2-21-8. Lake Oroville Surface Area, May

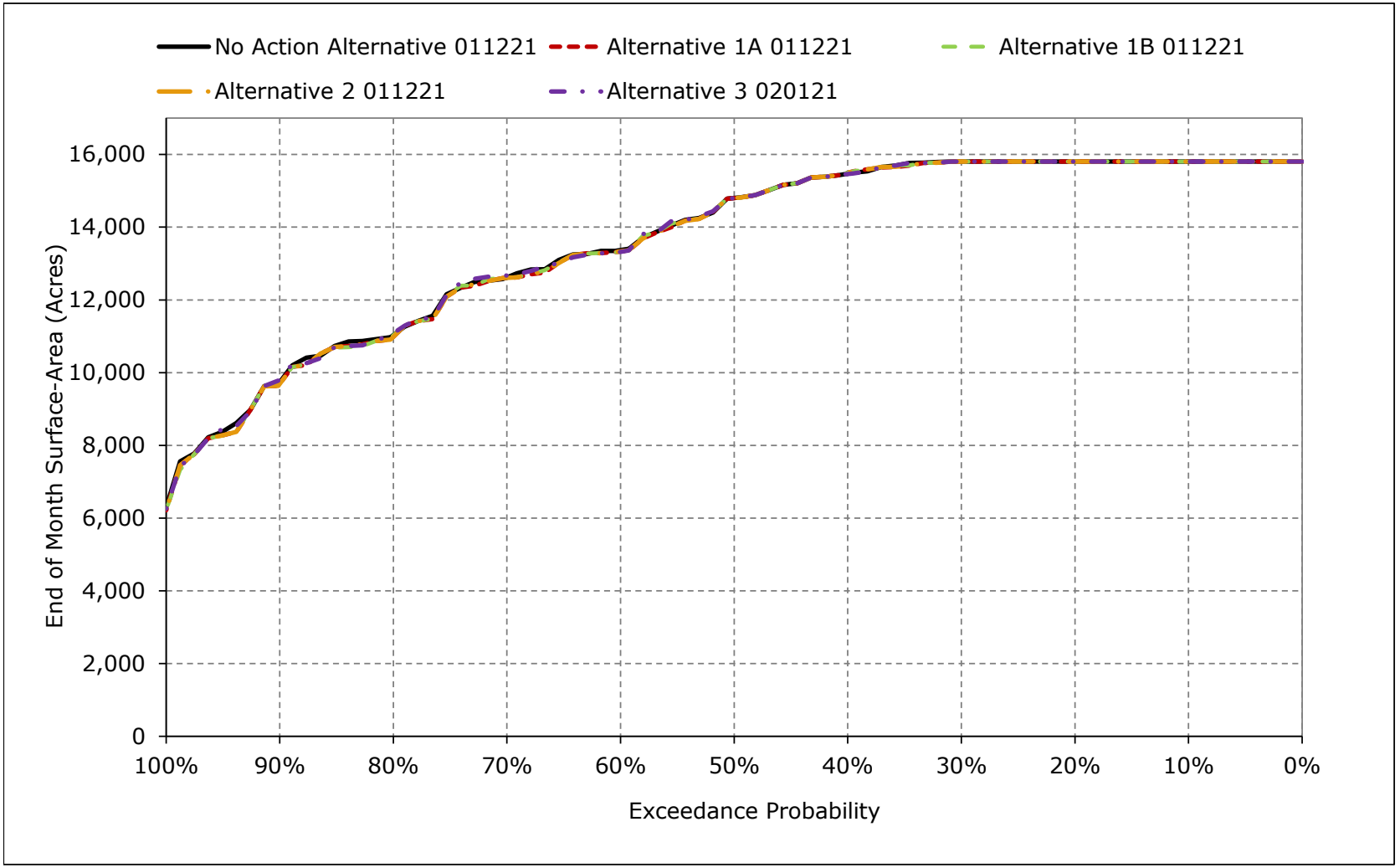


Figure 5B2-21-9. Lake Oroville Surface Area, June

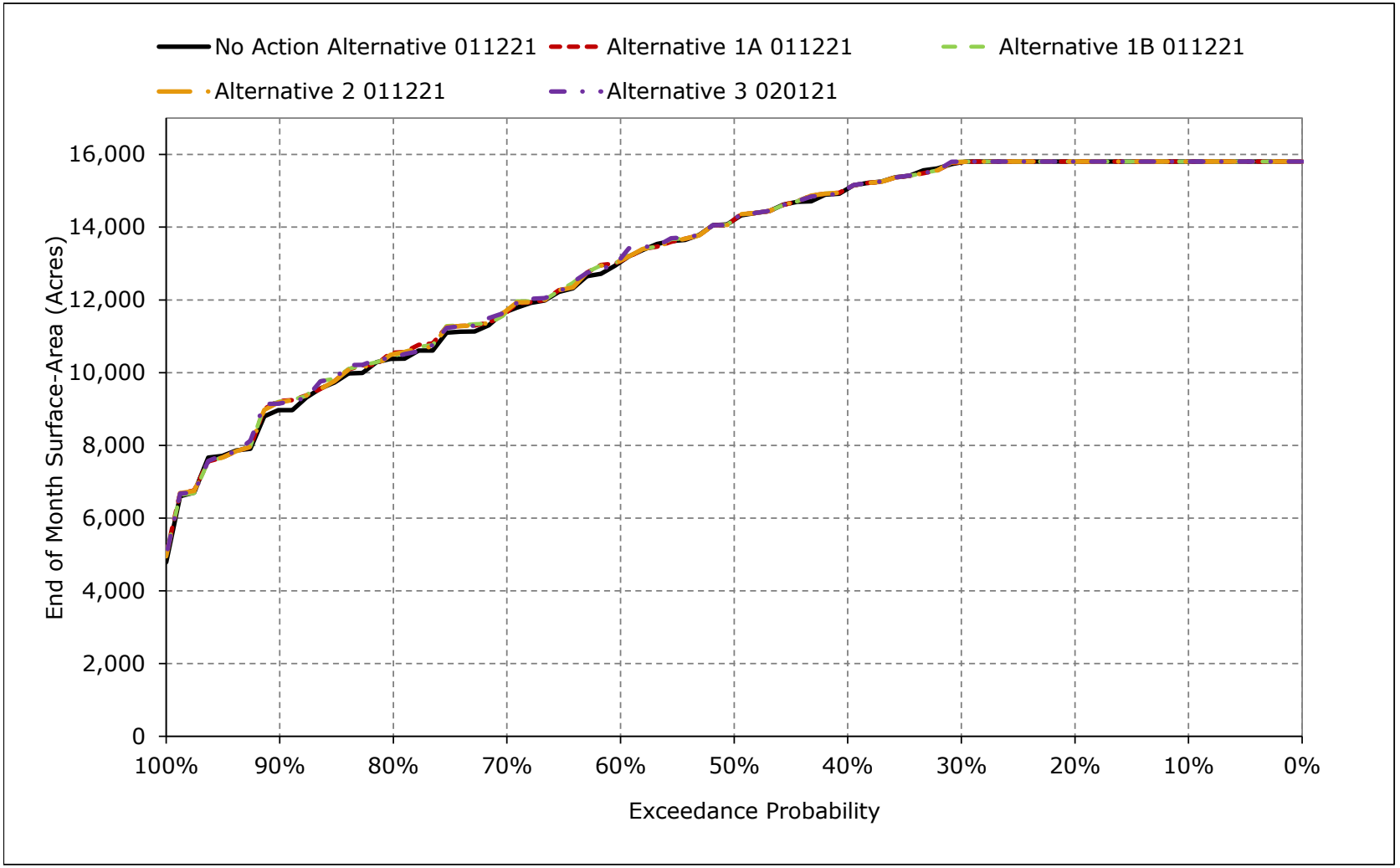


Figure 5B2-21-10. Lake Oroville Surface Area, July

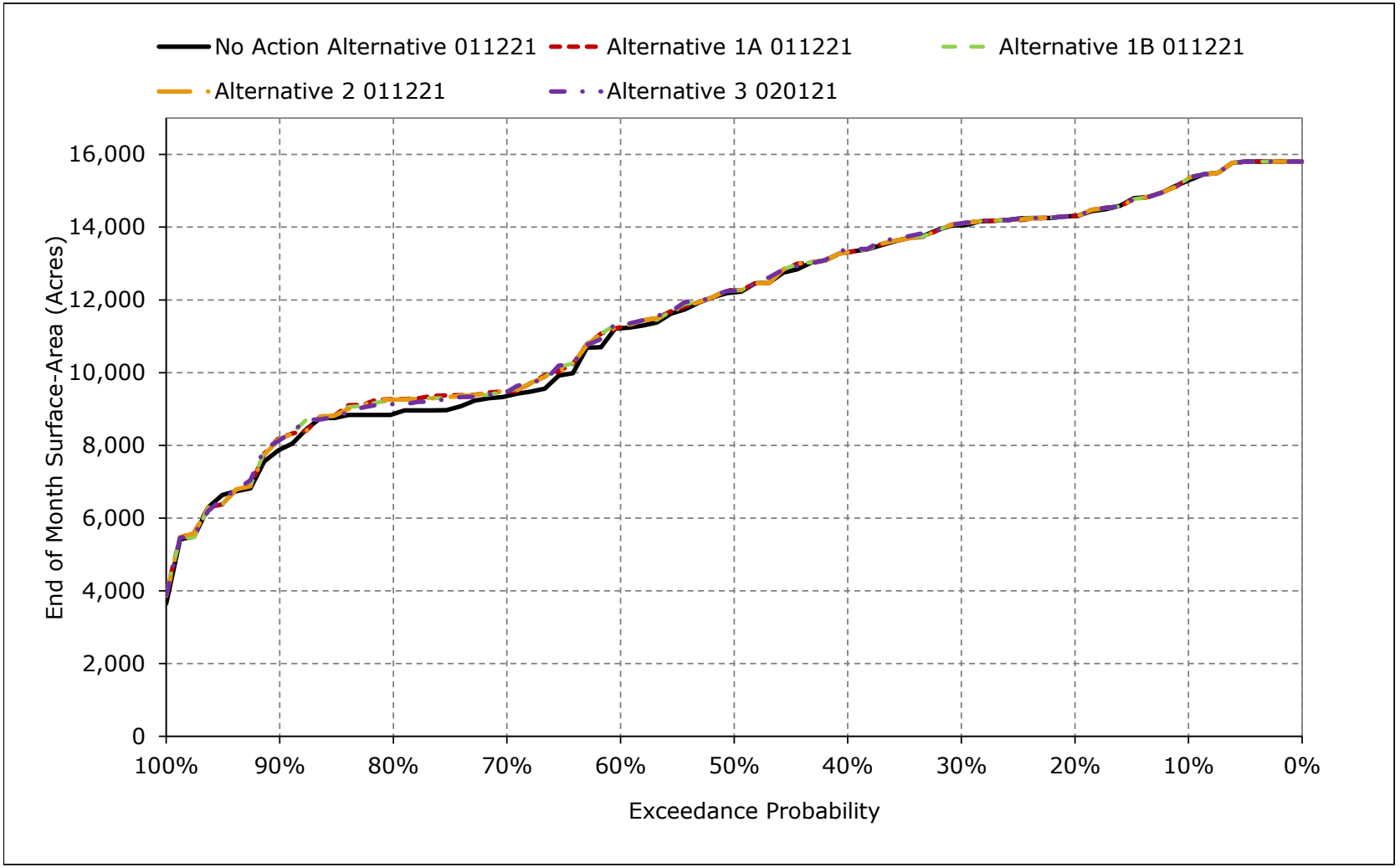


Figure 5B2-21-11. Lake Oroville Surface Area, August

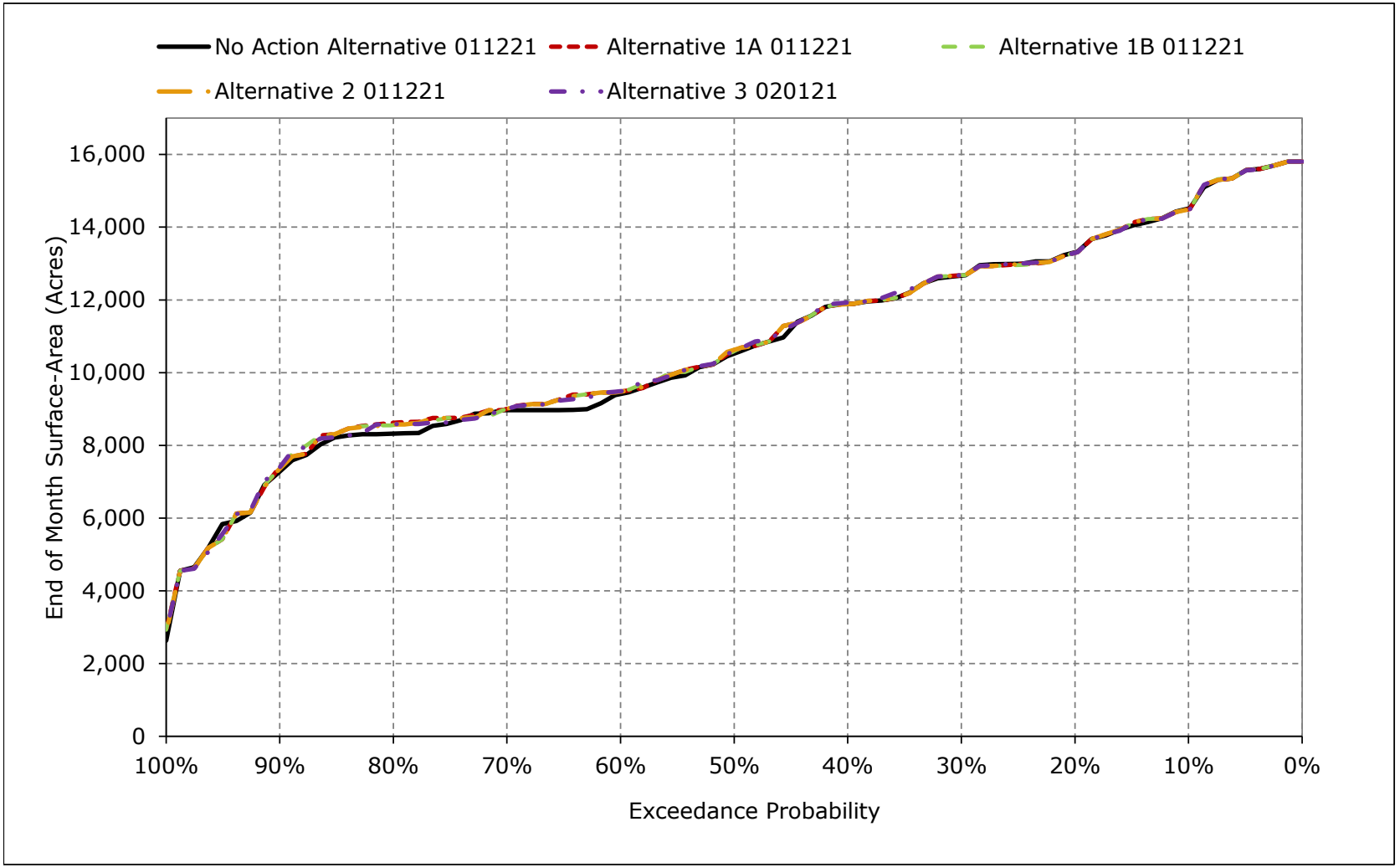


Figure 5B2-21-12. Lake Oroville Surface Area, September

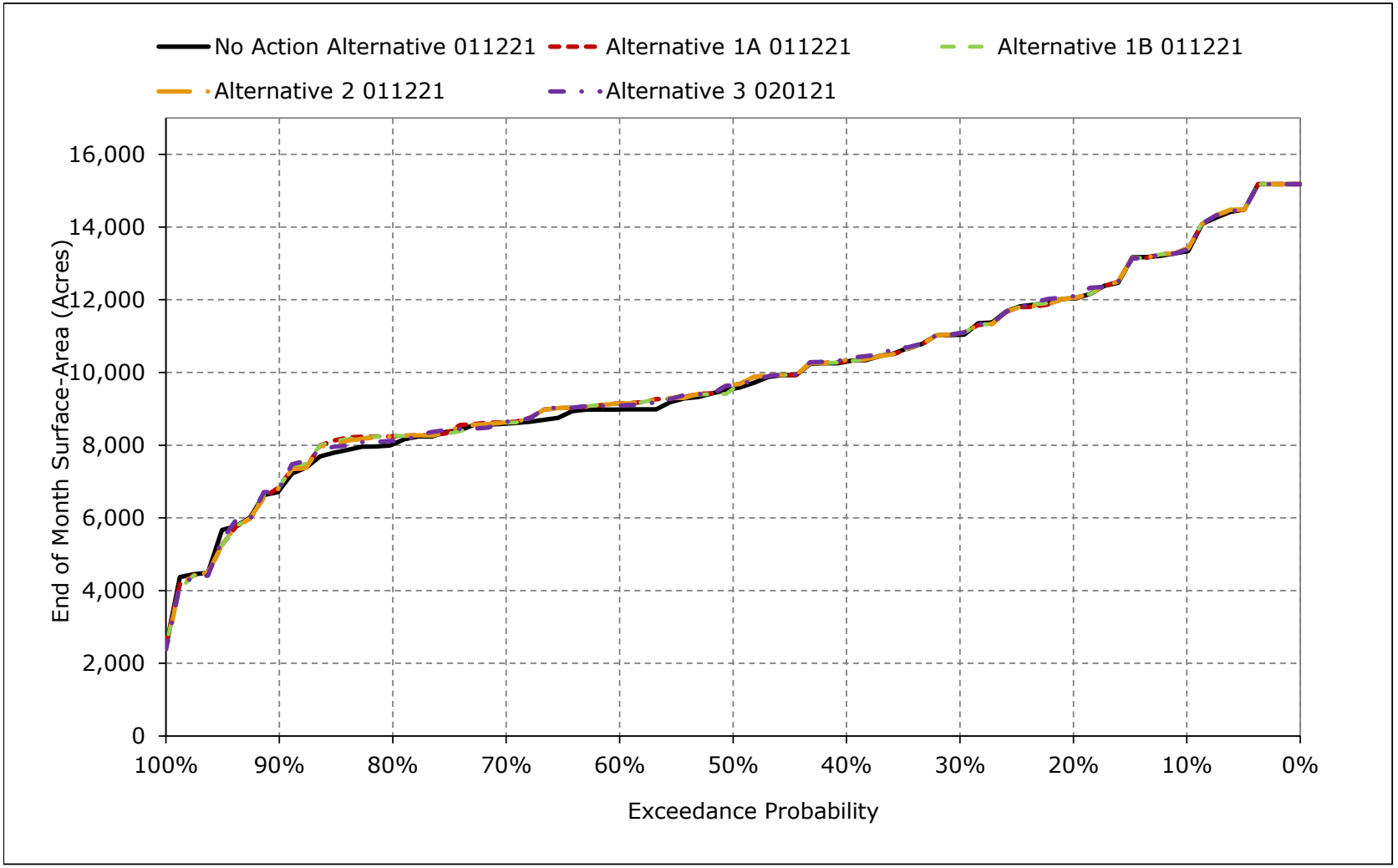


Table 5B2-22-1a. Feather River Flow downstream of Thermalito, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,229	12,439	13,637	13,345	7,796	10,305	6,714	9,597	7,783	7,879
20%	4,000	2,500	4,196	2,713	10,238	8,993	3,841	5,816	5,235	9,086	7,564	7,451
30%	4,000	1,705	2,736	1,700	5,525	6,135	2,091	3,240	4,451	8,722	6,962	6,842
40%	3,307	1,700	1,711	1,700	1,700	4,364	1,334	2,486	4,194	8,149	5,932	5,935
50%	1,968	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,787	7,724	3,379	2,519
60%	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,500	3,458	5,506	2,647	1,309
70%	1,700	1,217	1,700	1,200	1,700	1,700	1,000	1,000	2,944	4,139	2,078	1,101
80%	1,200	1,200	1,200	960	1,200	1,000	1,000	1,000	2,231	3,338	1,703	1,000
90%	900	900	901	900	900	800	750	1,000	1,675	2,868	1,414	993
Long Term												
Full Simulation Period[a]	2,506	1,922	2,962	4,213	4,973	5,512	2,979	3,866	4,073	6,546	4,409	3,993
Water Year Types[b,c]												
Wet (32%)	3,753	2,898	4,827	9,851	10,480	12,293	6,570	7,547	5,068	5,735	4,385	6,466
Above Normal (15%)	3,613	2,113	2,867	2,444	4,517	5,180	1,897	3,358	3,104	7,984	6,821	7,654
Below Normal (17%)	1,991	1,629	1,966	1,475	2,647	1,797	1,147	1,536	2,759	8,670	7,478	2,389
Dry (22%)	1,287	1,260	1,981	1,397	1,534	1,458	1,153	1,969	4,510	6,927	1,912	1,009
Critical (15%)	1,126	954	1,654	1,185	1,371	1,567	1,155	1,966	3,765	3,818	2,217	1,321

Table 5B2-22-1b. Feather River Flow downstream of Thermalito, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,211	12,439	13,557	13,345	7,796	10,305	6,479	9,366	7,773	7,909
20%	4,000	2,500	3,964	2,709	10,585	8,992	3,841	5,816	4,741	8,797	7,540	7,450
30%	4,000	2,103	2,736	1,700	5,525	6,134	2,091	3,273	4,004	8,476	7,012	6,796
40%	3,397	1,856	1,732	1,700	1,700	4,359	1,354	2,449	3,721	8,001	5,913	5,909
50%	2,500	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,292	7,554	3,813	2,480
60%	2,500	1,700	1,700	1,700	1,700	1,700	1,000	1,567	3,071	5,625	2,712	1,628
70%	2,018	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,735	4,046	2,283	1,200
80%	1,662	1,200	1,200	960	1,200	1,000	1,000	1,000	2,070	3,111	1,765	1,018
90%	1,018	900	901	900	900	800	750	1,000	1,417	2,562	1,474	1,000
Long Term												
Full Simulation Period[a]	2,767	2,009	2,973	4,205	4,991	5,503	2,981	3,866	3,778	6,353	4,512	4,040
Water Year Types[b,c]												
Wet (32%)	3,820	2,902	4,859	9,818	10,545	12,279	6,570	7,548	5,048	5,711	4,395	6,469
Above Normal (15%)	3,598	2,113	2,821	2,444	4,496	5,152	1,885	3,357	3,074	8,002	6,819	7,656
Below Normal (17%)	2,348	1,756	1,958	1,474	2,646	1,797	1,150	1,551	2,594	8,357	7,528	2,405
Dry (22%)	1,891	1,501	2,020	1,401	1,534	1,456	1,171	1,947	3,692	6,427	2,161	1,076
Critical (15%)	1,460	1,024	1,653	1,195	1,371	1,568	1,153	1,976	3,242	3,648	2,470	1,516

Table 5B2-22-1c. Feather River Flow downstream of Thermalito, 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%	0	0	-18	0	-80	0	1	0	-235	-230	-11	30
20%	0	0	-232	-4	347	-1	0	0	-494	-289	-24	-2
30%	0	398	0	0	0	-1	0	34	-447	-245	50	-46
40%	90	156	21	0	0	-5	20	-38	-473	-148	-19	-26
50%	532	0	0	0	0	0	0	0	-495	-169	434	-39
60%	800	0	0	0	0	0	0	67	-386	118	65	319
70%	318	483	0	0	0	0	0	0	-209	-93	205	99
80%	462	0	0	0	0	0	0	0	-161	-227	62	18
90%	118	0	0	0	0	0	0	0	-258	-305	60	7
Long Term												
Full Simulation Period[a]	262	86	11	-8	17	-9	2	-1	-295	-193	103	47
Water Year Types[b,c]												
Wet (32%)	67	4	32	-33	65	-14	0	1	-20	-24	10	3
Above Normal (15%)	-15	-1	-46	0	-21	-28	-11	-1	-30	18	-2	2
Below Normal (17%)	357	127	-8	-2	-1	1	3	15	-166	-314	50	16
Dry (22%)	604	241	40	4	0	-2	18	-22	-818	-500	249	68
Critical (15%)	334	70	0	10	0	0	-2	10	-523	-170	252	195

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 5B2-22-2a. Feather River Flow downstream of Thermalito, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,229	12,439	13,637	13,345	7,796	10,305	6,714	9,597	7,783	7,879
20%	4,000	2,500	4,196	2,713	10,238	8,993	3,841	5,816	5,235	9,086	7,564	7,451
30%	4,000	1,705	2,736	1,700	5,525	6,135	2,091	3,240	4,451	8,722	6,962	6,842
40%	3,307	1,700	1,711	1,700	1,700	4,364	1,334	2,486	4,194	8,149	5,932	5,935
50%	1,968	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,787	7,724	3,379	2,519
60%	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,500	3,458	5,506	2,647	1,309
70%	1,700	1,217	1,700	1,200	1,700	1,700	1,000	1,000	2,944	4,139	2,078	1,101
80%	1,200	1,200	1,200	960	1,200	1,000	1,000	1,000	2,231	3,338	1,703	1,000
90%	900	900	901	900	900	800	750	1,000	1,675	2,868	1,414	993
Long Term												
Full Simulation Period[a]	2,506	1,922	2,962	4,213	4,973	5,512	2,979	3,866	4,073	6,546	4,409	3,993
Water Year Types[b,c]												
Wet (32%)	3,753	2,898	4,827	9,851	10,480	12,293	6,570	7,547	5,068	5,735	4,385	6,466
Above Normal (15%)	3,613	2,113	2,867	2,444	4,517	5,180	1,897	3,358	3,104	7,984	6,821	7,654
Below Normal (17%)	1,991	1,629	1,966	1,475	2,647	1,797	1,147	1,536	2,759	8,670	7,478	2,389
Dry (22%)	1,287	1,260	1,981	1,397	1,534	1,458	1,153	1,969	4,510	6,927	1,912	1,009
Critical (15%)	1,126	954	1,654	1,185	1,371	1,567	1,155	1,966	3,765	3,818	2,217	1,321

Table 5B2-22-2b. Feather River Flow downstream of Thermalito, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,211	12,439	12,888	13,345	7,796	10,305	6,466	9,364	7,778	7,909
20%	4,000	2,500	3,962	2,732	10,560	8,993	3,841	5,816	4,688	8,904	7,541	7,433
30%	4,000	1,972	2,756	1,700	5,525	6,134	2,091	3,264	4,081	8,560	7,012	6,752
40%	3,396	1,784	1,732	1,700	1,700	4,359	1,350	2,443	3,674	8,035	5,911	5,908
50%	2,500	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,310	7,549	3,694	2,877
60%	2,417	1,700	1,700	1,700	1,700	1,700	1,000	1,540	3,045	5,649	2,718	1,896
70%	2,009	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,716	3,973	2,326	1,211
80%	1,647	1,200	1,200	960	1,200	1,000	1,000	1,000	2,071	3,114	1,805	1,007
90%	904	900	901	900	900	800	750	1,000	1,499	2,617	1,479	1,000
Long Term												
Full Simulation Period[a]	2,760	1,987	2,973	4,205	4,974	5,503	2,979	3,857	3,771	6,376	4,527	4,059
Water Year Types[b,c]												
Wet (32%)	3,817	2,902	4,858	9,818	10,470	12,279	6,568	7,548	5,048	5,713	4,401	6,463
Above Normal (15%)	3,660	2,084	2,819	2,444	4,538	5,152	1,885	3,355	3,081	7,989	6,861	7,595
Below Normal (17%)	2,290	1,756	1,957	1,482	2,652	1,797	1,145	1,550	2,601	8,380	7,523	2,524
Dry (22%)	1,886	1,423	2,025	1,401	1,534	1,457	1,170	1,907	3,645	6,503	2,226	1,090
Critical (15%)	1,427	1,022	1,654	1,186	1,371	1,564	1,152	1,977	3,250	3,672	2,425	1,557

Table 5B2-22-2c. Feather River Flow downstream of Thermalito, 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%	0	0	-19	0	-749	0	1	0	-248	-233	-5	30
20%	0	0	-234	19	322	0	0	0	-547	-182	-23	-18
30%	0	267	20	0	0	-1	0	24	-371	-161	50	-91
40%	88	84	21	0	0	-5	15	-43	-520	-114	-20	-27
50%	532	0	0	0	0	0	0	0	-477	-175	315	358
60%	717	0	0	0	0	0	0	40	-413	143	71	587
70%	309	483	0	0	0	0	0	0	-228	-166	248	110
80%	447	0	0	0	0	0	0	0	-160	-224	101	7
90%	4	0	0	0	0	0	0	0	-176	-251	65	7
Long Term												
Full Simulation Period[a]	254	65	11	-8	1	-9	1	-10	-302	-170	118	66
Water Year Types[b,c]												
Wet (32%)	65	4	31	-33	-10	-13	-2	1	-20	-22	16	-3
Above Normal (15%)	46	-30	-48	0	21	-28	-11	-3	-23	5	40	-59
Below Normal (17%)	300	127	-9	7	6	1	-1	15	-159	-291	45	135
Dry (22%)	599	164	44	4	0	-1	17	-62	-866	-423	314	81
Critical (15%)	301	68	0	1	0	-3	-3	11	-514	-147	207	235

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 5B2-22-3a. Feather River Flow downstream of Thermalito, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,229	12,439	13,637	13,345	7,796	10,305	6,714	9,597	7,783	7,879
20%	4,000	2,500	4,196	2,713	10,238	8,993	3,841	5,816	5,235	9,086	7,564	7,451
30%	4,000	1,705	2,736	1,700	5,525	6,135	2,091	3,240	4,451	8,722	6,962	6,842
40%	3,307	1,700	1,711	1,700	1,700	4,364	1,334	2,486	4,194	8,149	5,932	5,935
50%	1,968	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,787	7,724	3,379	2,519
60%	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,500	3,458	5,506	2,647	1,309
70%	1,700	1,217	1,700	1,200	1,700	1,700	1,000	1,000	2,944	4,139	2,078	1,101
80%	1,200	1,200	1,200	960	1,200	1,000	1,000	1,000	2,231	3,338	1,703	1,000
90%	900	900	901	900	900	800	750	1,000	1,675	2,868	1,414	993
Long Term												
Full Simulation Period[a]	2,506	1,922	2,962	4,213	4,973	5,512	2,979	3,866	4,073	6,546	4,409	3,993
Water Year Types[b,c]												
Wet (32%)	3,753	2,898	4,827	9,851	10,480	12,293	6,570	7,547	5,068	5,735	4,385	6,466
Above Normal (15%)	3,613	2,113	2,867	2,444	4,517	5,180	1,897	3,358	3,104	7,984	6,821	7,654
Below Normal (17%)	1,991	1,629	1,966	1,475	2,647	1,797	1,147	1,536	2,759	8,670	7,478	2,389
Dry (22%)	1,287	1,260	1,981	1,397	1,534	1,458	1,153	1,969	4,510	6,927	1,912	1,009
Critical (15%)	1,126	954	1,654	1,185	1,371	1,567	1,155	1,966	3,765	3,818	2,217	1,321

Table 5B2-22-3b. Feather River Flow downstream of Thermalito, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,211	12,439	13,557	13,345	7,796	10,305	6,479	9,365	7,769	7,909
20%	4,000	2,500	3,964	2,711	10,581	8,993	3,841	5,816	4,741	8,812	7,541	7,450
30%	4,000	2,083	2,763	1,700	5,525	6,134	2,091	3,273	4,004	8,476	7,012	6,797
40%	3,401	1,801	1,732	1,700	1,700	4,359	1,354	2,449	3,735	8,020	5,913	5,909
50%	2,500	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,313	7,552	3,790	2,606
60%	2,369	1,700	1,700	1,700	1,700	1,700	1,000	1,598	3,119	5,622	2,712	1,650
70%	1,981	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,755	4,041	2,280	1,229
80%	1,549	1,200	1,200	960	1,200	1,000	1,000	1,000	2,068	3,103	1,765	1,055
90%	911	900	901	900	900	800	750	1,000	1,559	2,587	1,485	1,000
Long Term												
Full Simulation Period[a]	2,736	1,994	2,979	4,203	4,993	5,503	2,981	3,867	3,802	6,357	4,505	4,047
Water Year Types[b,c]												
Wet (32%)	3,821	2,902	4,867	9,818	10,548	12,279	6,570	7,548	5,048	5,713	4,394	6,456
Above Normal (15%)	3,600	2,113	2,821	2,444	4,504	5,153	1,885	3,356	3,074	7,998	6,819	7,656
Below Normal (17%)	2,344	1,758	1,980	1,474	2,646	1,797	1,150	1,556	2,595	8,366	7,487	2,406
Dry (22%)	1,797	1,440	2,020	1,401	1,534	1,456	1,171	1,947	3,771	6,429	2,172	1,104
Critical (15%)	1,388	1,016	1,654	1,186	1,371	1,568	1,152	1,976	3,286	3,662	2,452	1,551

Table 5B2-22-3c. Feather River Flow downstream of Thermalito, 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%	0	0	-18	0	-80	0	1	0	-235	-232	-14	30
20%	0	0	-232	-3	343	0	0	0	-494	-274	-23	-2
30%	0	378	27	0	0	-1	0	34	-447	-246	50	-46
40%	94	101	21	0	0	-5	20	-38	-458	-129	-18	-26
50%	532	0	0	0	0	0	0	0	-474	-172	411	87
60%	669	0	0	0	0	0	0	98	-339	116	65	342
70%	281	483	0	0	0	0	0	0	-189	-97	202	128
80%	349	0	0	0	0	0	0	0	-162	-235	61	55
90%	11	0	0	0	0	0	0	0	-117	-280	71	7
Long Term												
Full Simulation Period[a]	231	72	17	-10	19	-9	2	0	-271	-189	96	54
Water Year Types[b,c]												
Wet (32%)	69	4	40	-33	67	-14	0	1	-20	-23	9	-10
Above Normal (15%)	-13	-1	-46	0	-12	-28	-11	-2	-30	14	-2	2
Below Normal (17%)	354	129	14	-1	-1	1	3	20	-165	-304	10	16
Dry (22%)	510	180	39	4	0	-2	18	-22	-739	-498	260	95
Critical (15%)	262	62	0	0	0	1	-3	10	-479	-157	235	230

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 5B2-22-4a. Feather River Flow downstream of Thermalito, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,229	12,439	13,637	13,345	7,796	10,305	6,714	9,597	7,783	7,879
20%	4,000	2,500	4,196	2,713	10,238	8,993	3,841	5,816	5,235	9,086	7,564	7,451
30%	4,000	1,705	2,736	1,700	5,525	6,135	2,091	3,240	4,451	8,722	6,962	6,842
40%	3,307	1,700	1,711	1,700	1,700	4,364	1,334	2,486	4,194	8,149	5,932	5,935
50%	1,968	1,700	1,700	1,700	1,700	1,700	1,000	1,976	3,787	7,724	3,379	2,519
60%	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,500	3,458	5,506	2,647	1,309
70%	1,700	1,217	1,700	1,200	1,700	1,700	1,000	1,000	2,944	4,139	2,078	1,101
80%	1,200	1,200	1,200	960	1,200	1,000	1,000	1,000	2,231	3,338	1,703	1,000
90%	900	900	901	900	900	800	750	1,000	1,675	2,868	1,414	993
Long Term												
Full Simulation Period[a]	2,506	1,922	2,962	4,213	4,973	5,512	2,979	3,866	4,073	6,546	4,409	3,993
Water Year Types[b,c]												
Wet (32%)	3,753	2,898	4,827	9,851	10,480	12,293	6,570	7,547	5,068	5,735	4,385	6,466
Above Normal (15%)	3,613	2,113	2,867	2,444	4,517	5,180	1,897	3,358	3,104	7,984	6,821	7,654
Below Normal (17%)	1,991	1,629	1,966	1,475	2,647	1,797	1,147	1,536	2,759	8,670	7,478	2,389
Dry (22%)	1,287	1,260	1,981	1,397	1,534	1,458	1,153	1,969	4,510	6,927	1,912	1,009
Critical (15%)	1,126	954	1,654	1,185	1,371	1,567	1,155	1,966	3,765	3,818	2,217	1,321

Table 5B2-22-4b. Feather River Flow downstream of Thermalito, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,210	12,461	13,022	13,345	7,796	10,305	6,490	9,216	7,784	7,876
20%	4,000	2,500	4,196	2,795	10,534	8,994	3,841	5,816	4,854	8,849	7,561	7,372
30%	4,000	1,988	2,989	1,700	5,525	6,136	2,091	3,254	4,064	8,567	7,011	6,740
40%	3,500	1,751	1,744	1,700	1,700	4,359	1,331	2,435	3,694	8,035	5,970	5,907
50%	2,500	1,700	1,700	1,700	1,700	1,700	1,000	1,955	3,391	7,557	3,696	2,830
60%	2,085	1,700	1,700	1,700	1,700	1,700	1,000	1,500	3,096	5,820	2,667	1,537
70%	1,834	1,430	1,700	1,200	1,700	1,700	1,000	1,000	2,718	4,065	2,282	1,228
80%	1,384	1,200	1,200	960	1,200	1,000	1,000	1,000	2,162	3,165	1,918	1,051
90%	910	900	901	900	900	800	750	1,000	1,708	2,861	1,486	1,000
Long Term												
Full Simulation Period[a]	2,690	1,969	2,988	4,223	4,994	5,505	2,981	3,834	3,830	6,399	4,523	4,031
Water Year Types[b,c]												
Wet (32%)	3,844	2,902	4,844	9,849	10,513	12,296	6,570	7,548	5,048	5,713	4,385	6,427
Above Normal (15%)	3,643	2,062	2,953	2,500	4,585	5,130	1,885	3,354	3,097	7,758	6,831	7,552
Below Normal (17%)	2,226	1,751	1,967	1,480	2,651	1,797	1,146	1,541	2,606	8,418	7,557	2,451
Dry (22%)	1,737	1,359	2,013	1,401	1,534	1,457	1,166	1,824	3,862	6,693	2,199	1,110
Critical (15%)	1,204	1,021	1,654	1,186	1,371	1,563	1,161	1,960	3,302	3,727	2,464	1,542

Table 5B2-22-4c. Feather River Flow downstream of Thermalito, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

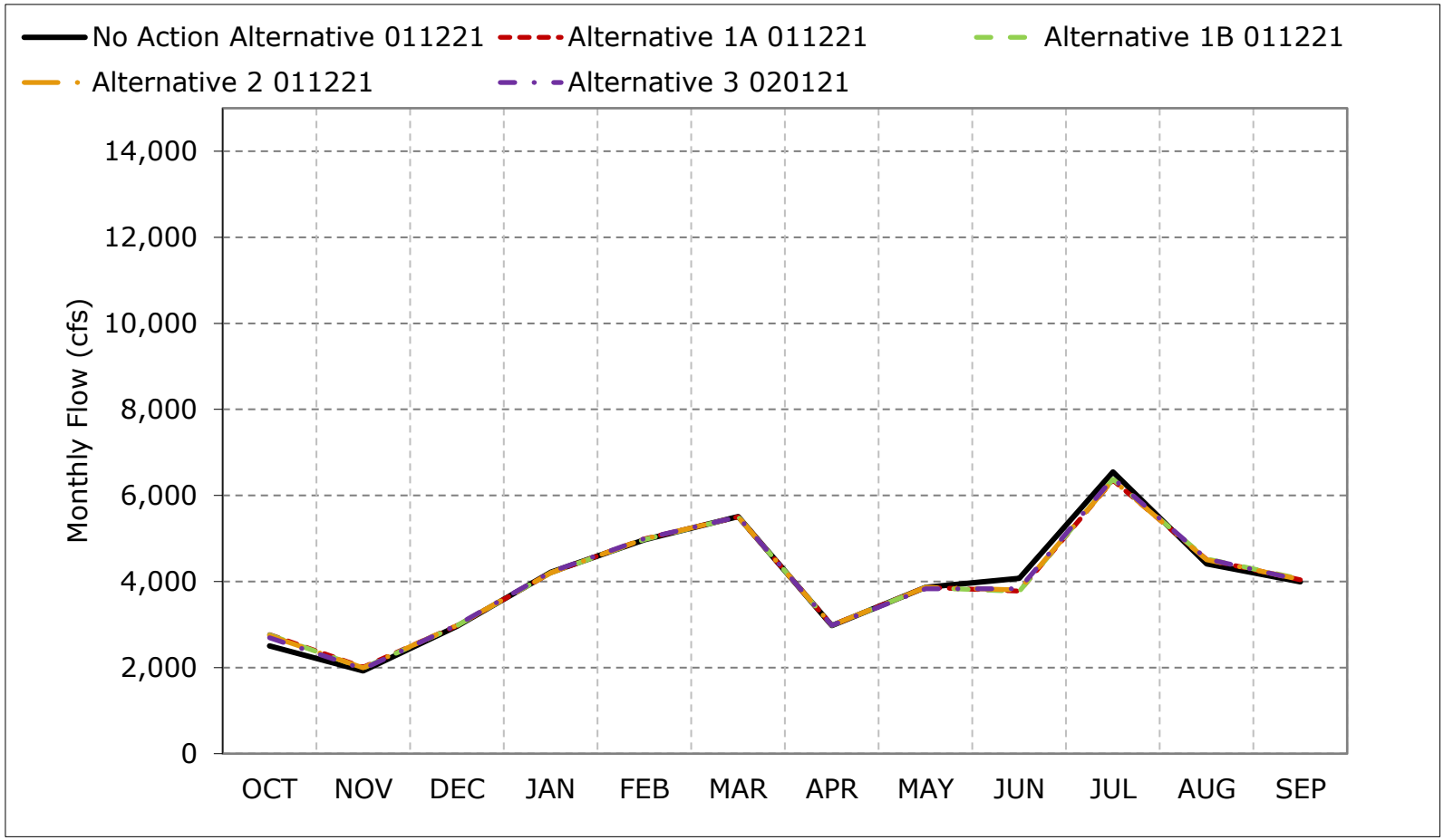
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	-19	22	-615	0	1	0	-224	-381	0	-3
20%	0	0	-1	81	296	1	0	0	-380	-237	-3	-79
30%	0	283	253	0	0	1	0	14	-387	-155	49	-102
40%	193	51	33	0	0	-5	-3	-51	-500	-114	39	-28
50%	532	0	0	0	0	0	0	-21	-397	-167	317	311
60%	385	0	0	0	0	0	0	0	-362	313	19	229
70%	134	214	0	0	0	0	0	0	-226	-74	204	127
80%	184	0	0	0	0	0	0	0	-69	-173	215	51
90%	10	0	0	0	0	0	0	0	33	-6	72	7
Long Term												
Full Simulation Period[a]	184	46	25	9	21	-7	2	-32	-244	-148	114	38
Water Year Types[b,c]												
Wet (32%)	92	5	17	-2	32	3	0	1	-20	-22	0	-38
Above Normal (15%)	30	-52	86	55	68	-50	-11	-4	-7	-226	10	-102
Below Normal (17%)	236	122	1	4	5	0	0	5	-153	-252	79	62
Dry (22%)	449	99	32	4	0	-1	13	-144	-648	-233	287	101
Critical (15%)	78	67	1	1	0	-4	6	-6	-463	-91	247	221

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).

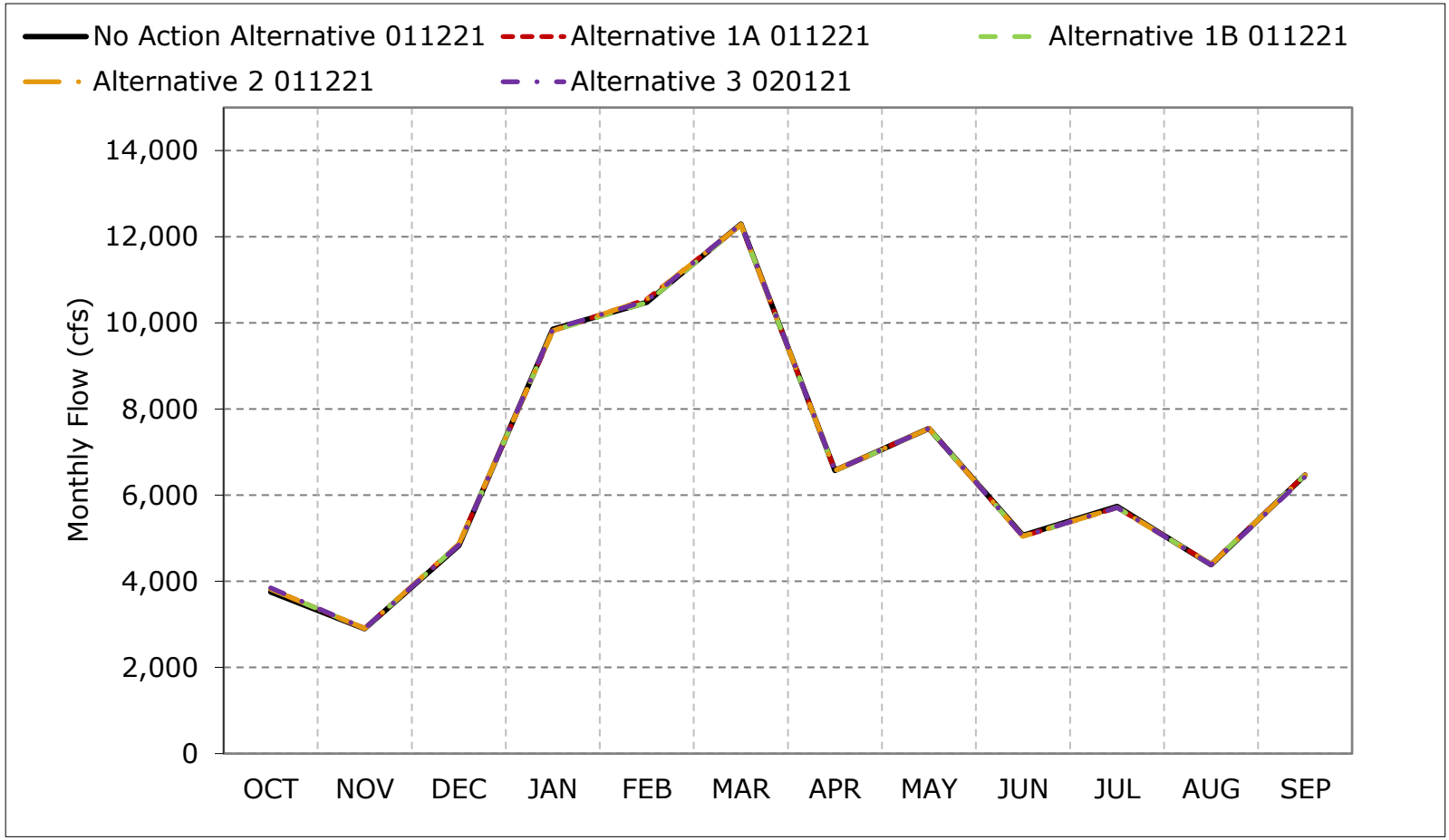
c These results are displayed with calendar year - year type sorting.

Figure 5B2-22-1. Feather River Flow downstream of Thermalito, Long-Term Average Flow



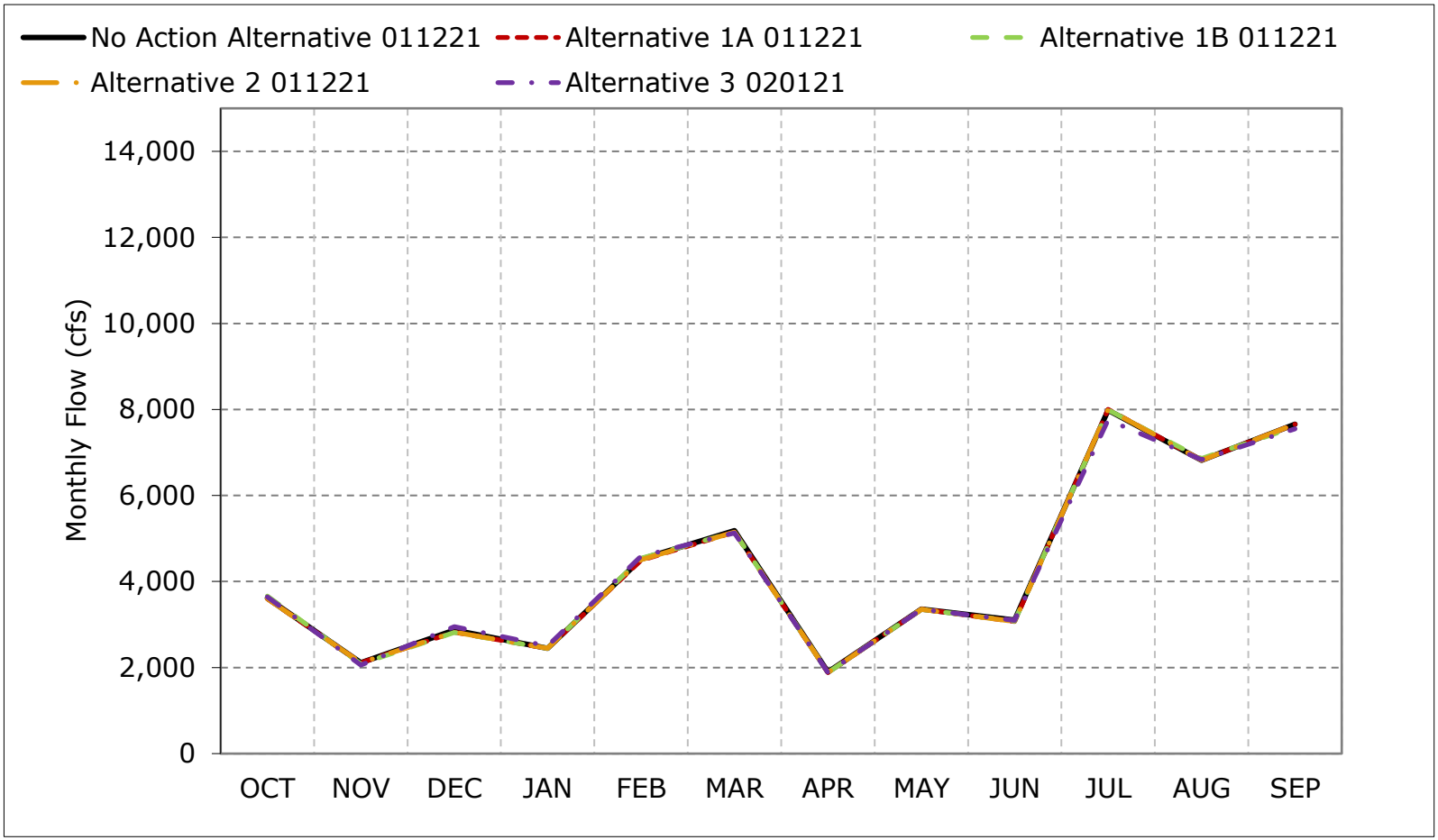
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-22-2. Feather River Flow downstream of Thermalito, Wet Year Average Flow



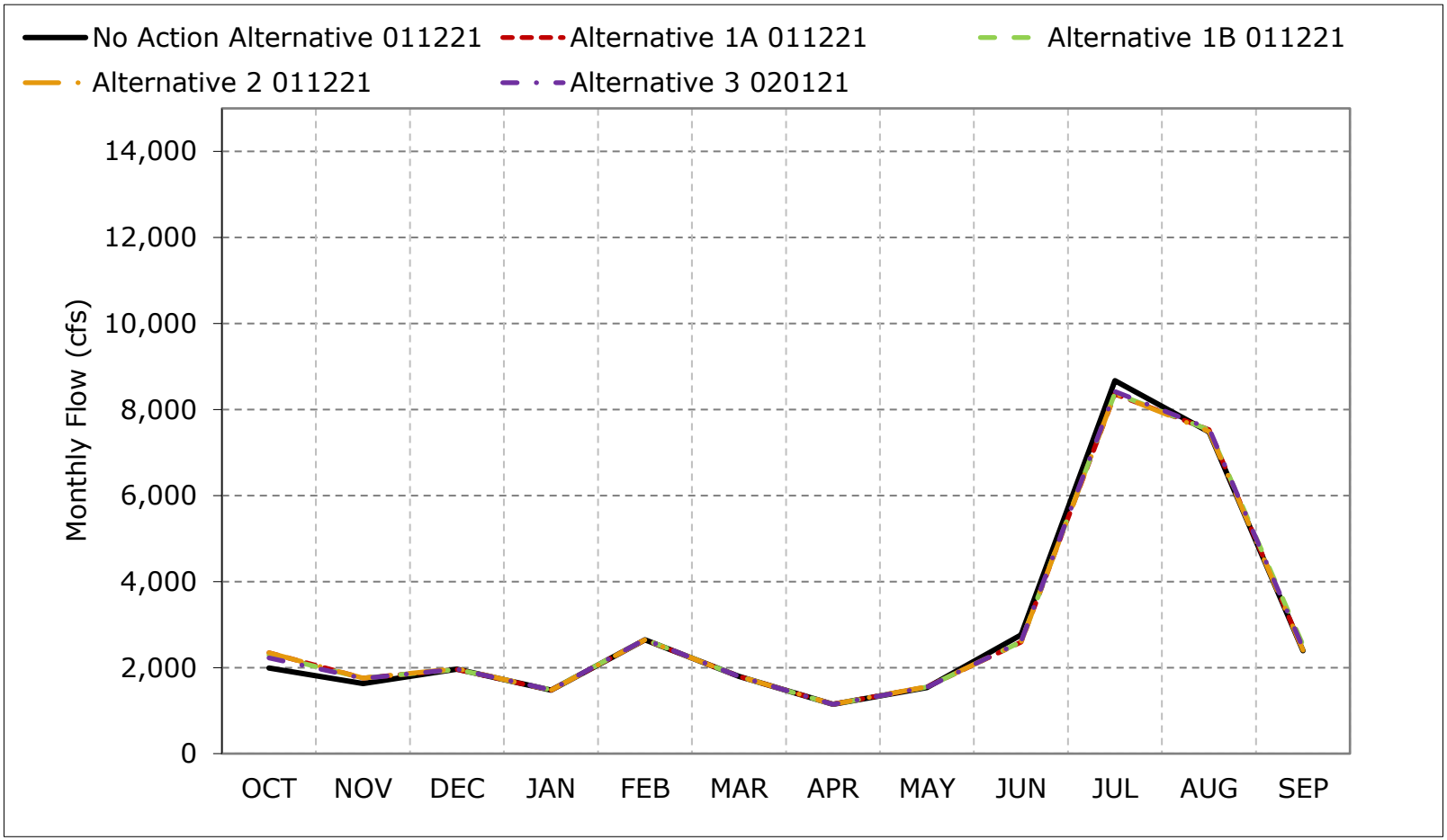
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-22-3. Feather River Flow downstream of Thermalito, Above Normal Year Average Flow



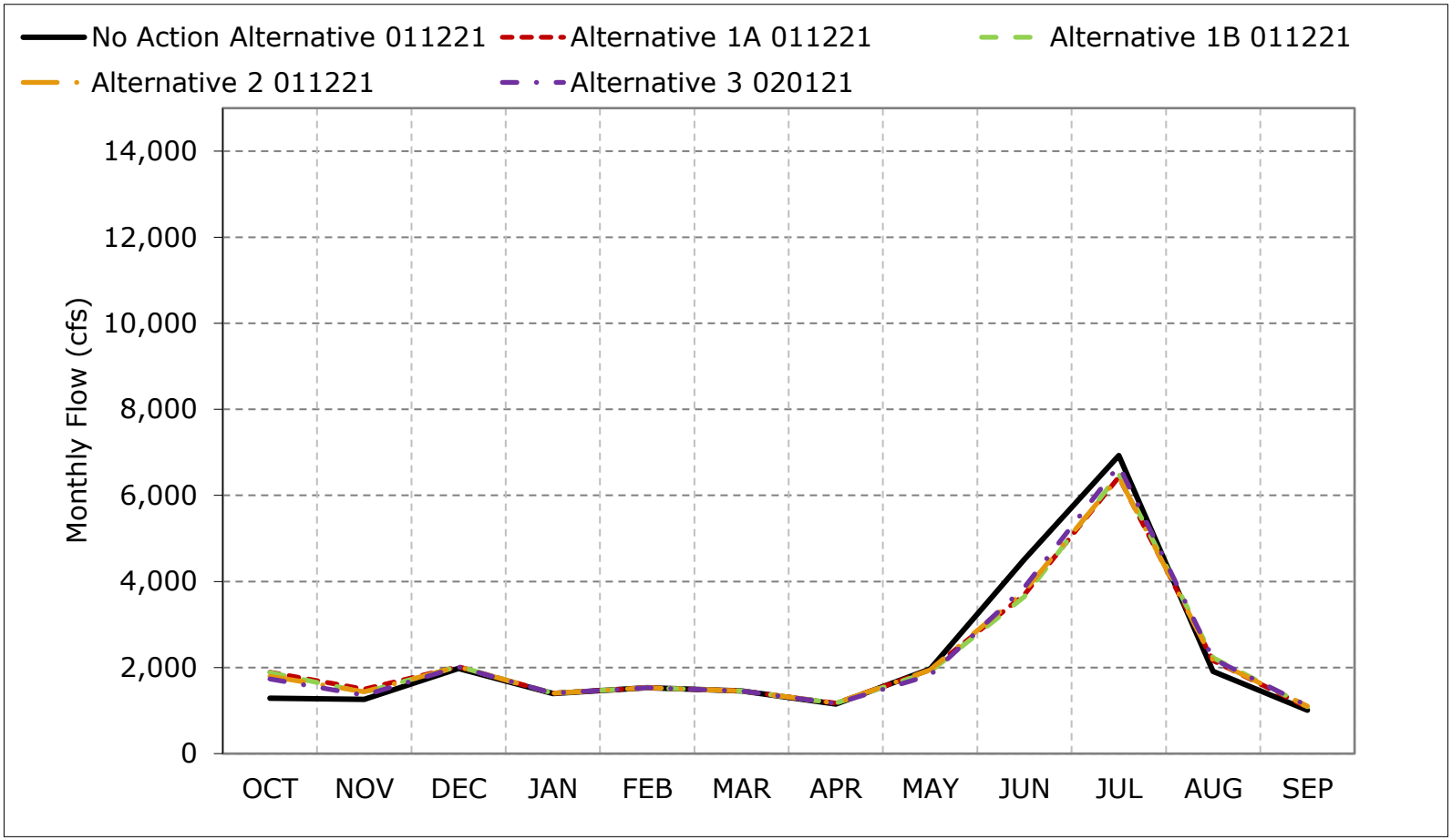
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-22-4. Feather River Flow downstream of Thermalito, Below Normal Year Average Flow



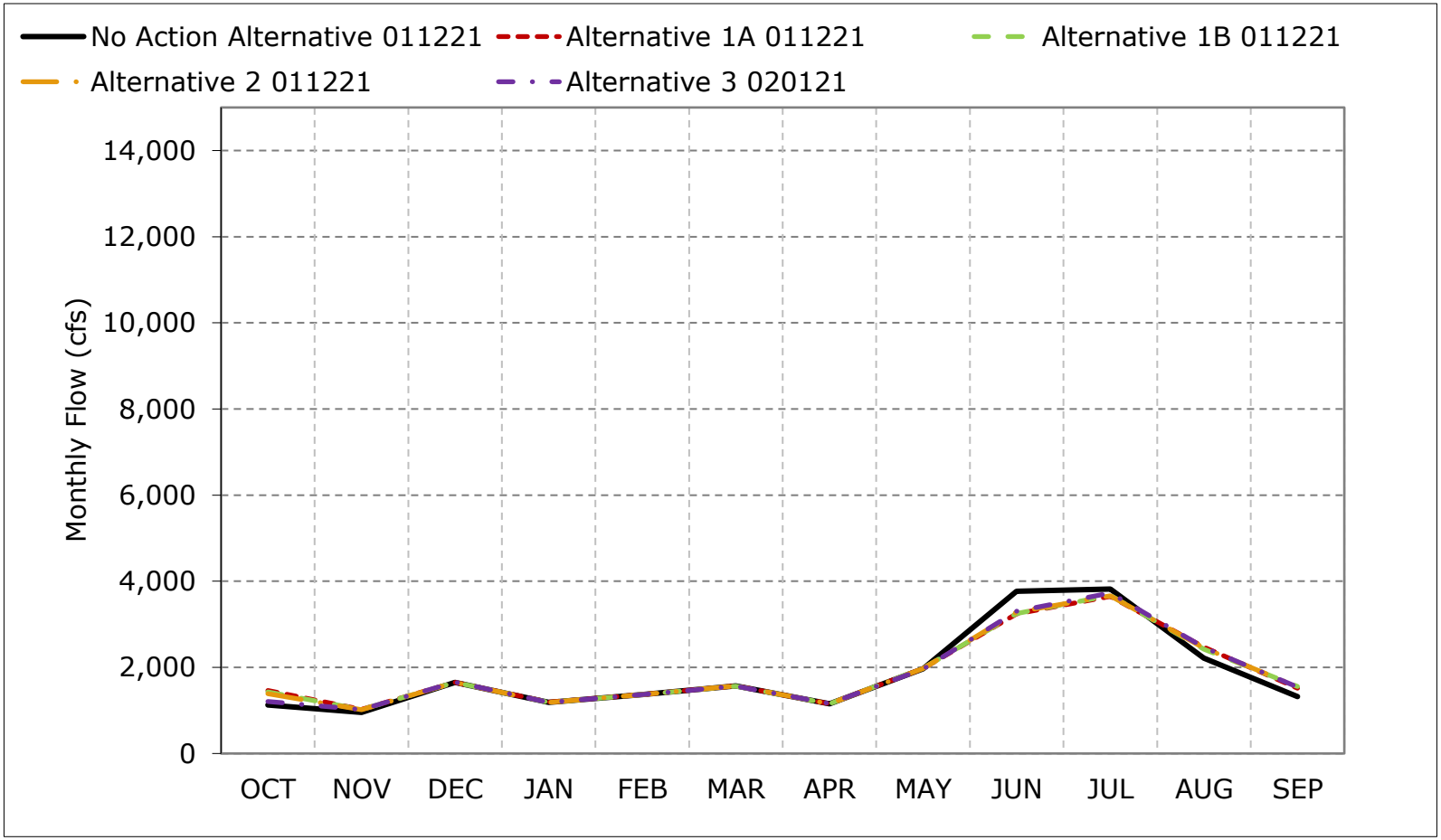
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-22-5. Feather River Flow downstream of Thermalito, 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 5B2-22-6. Feather River Flow downstream of Thermalito, 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 5B2-22-7. Feather River Flow downstream of Thermalito, October

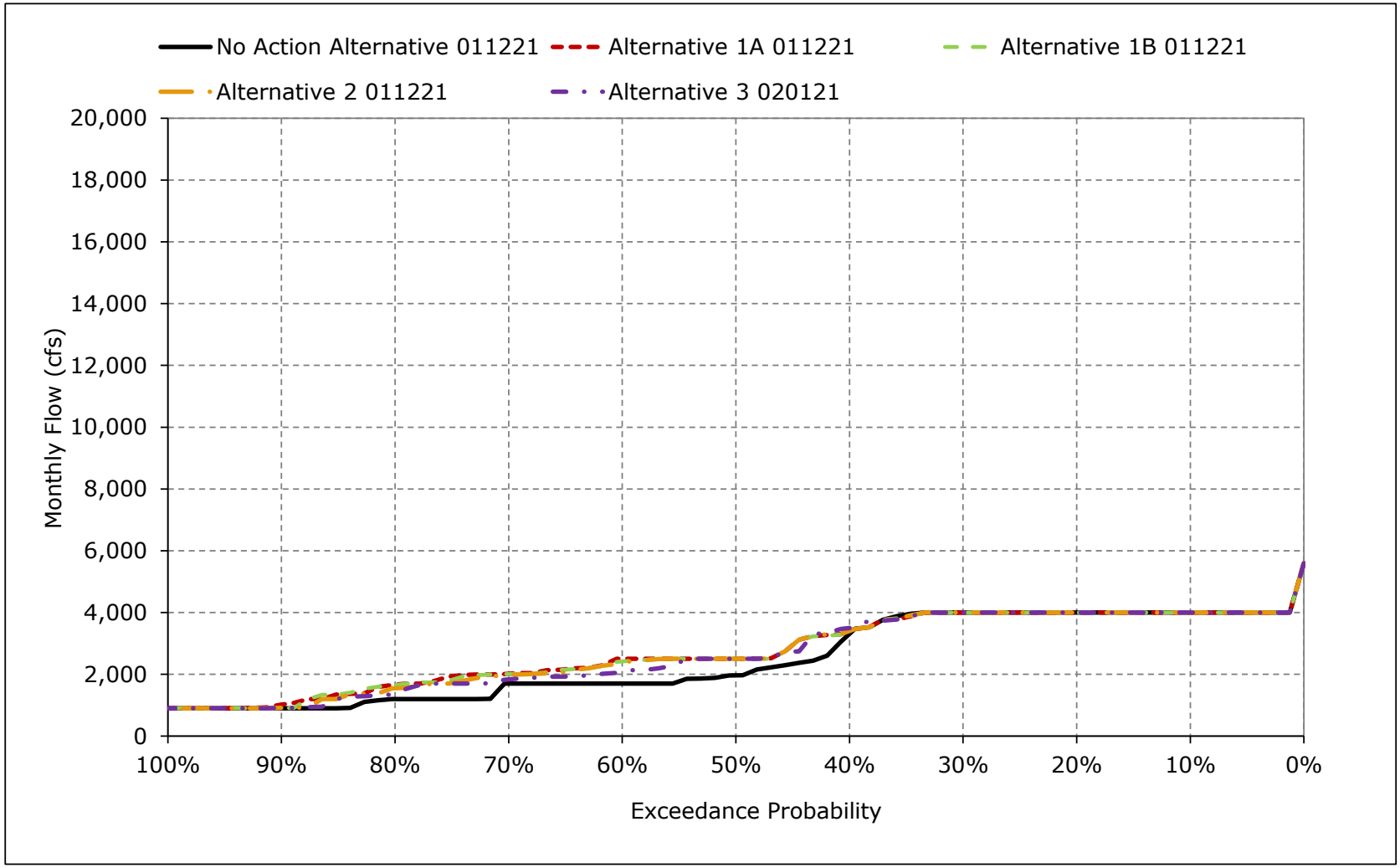


Figure 5B2-22-8. Feather River Flow downstream of Thermalito, November

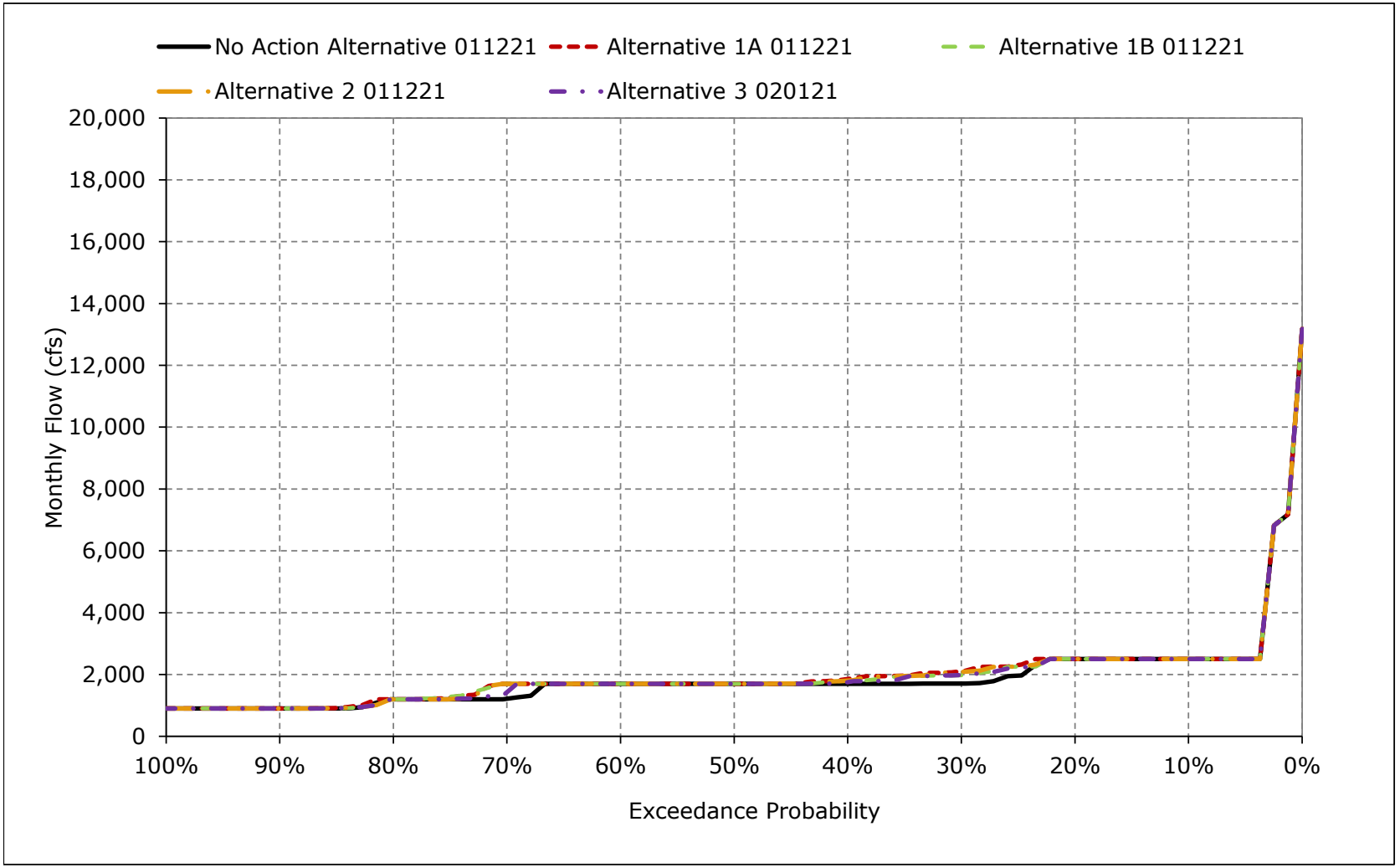


Figure 5B2-22-9. Feather River Flow downstream of Thermalito, December

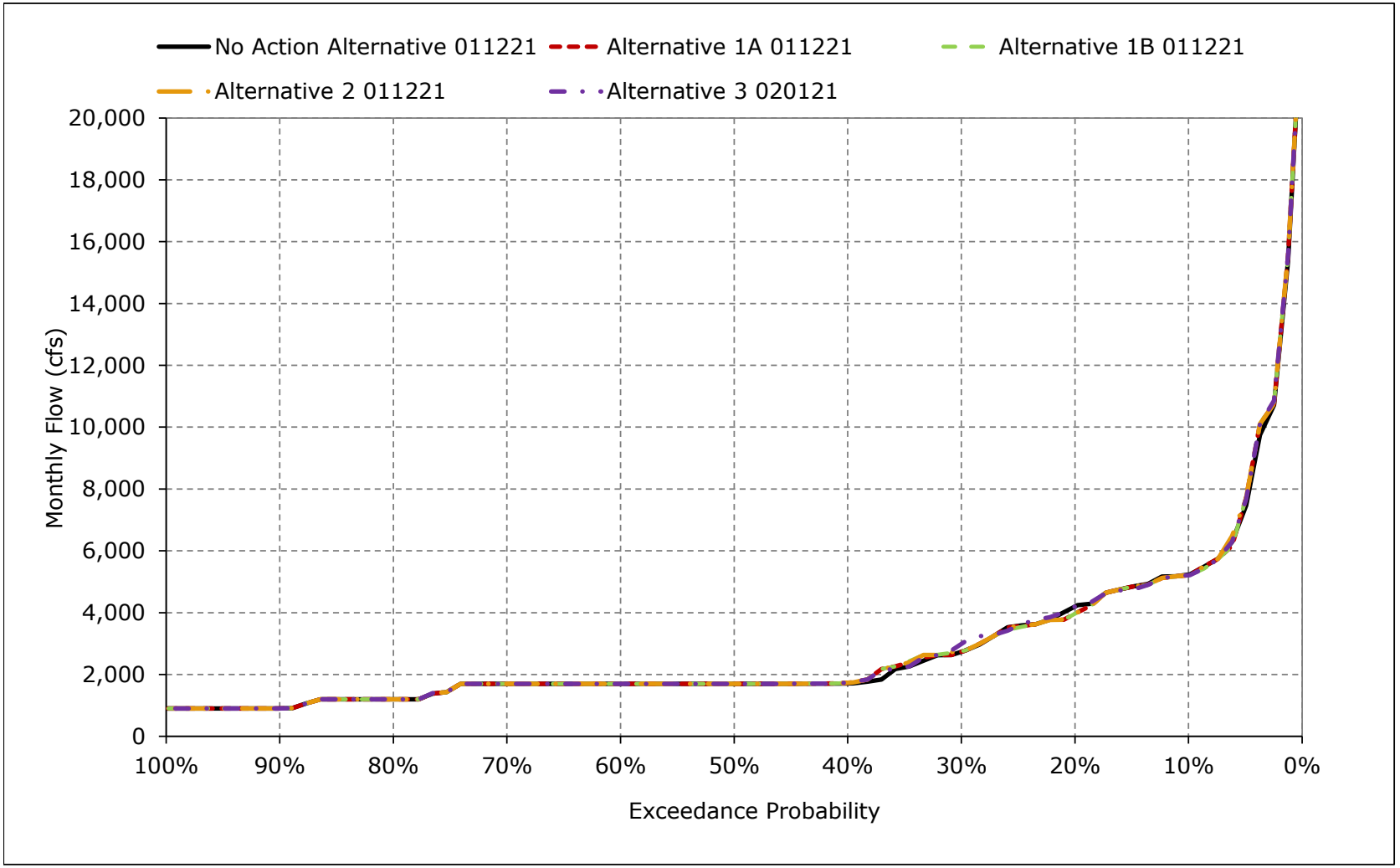


Figure 5B2-22-10. Feather River Flow downstream of Thermalito, January

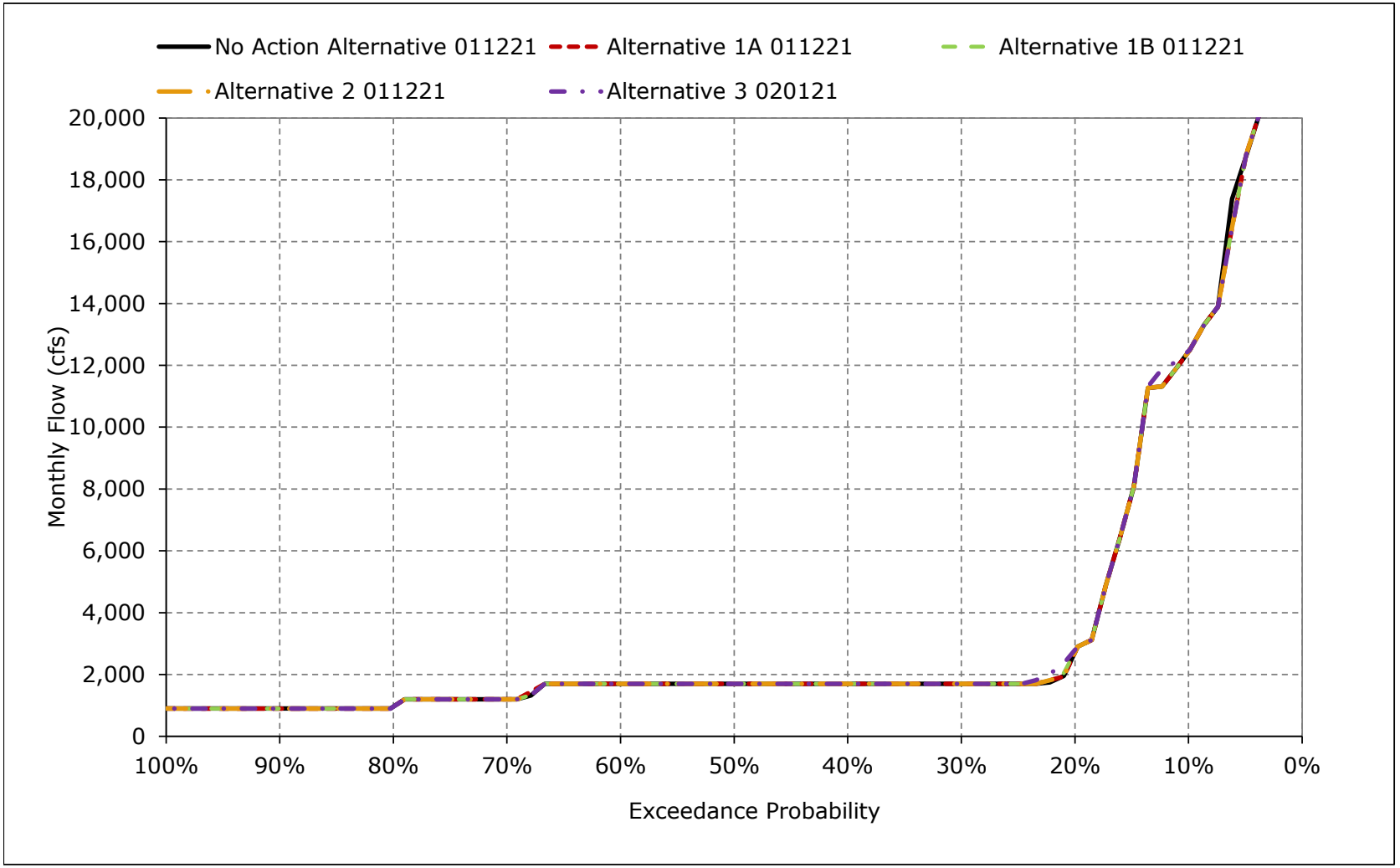


Figure 5B2-22-11. Feather River Flow downstream of Thermalito, February

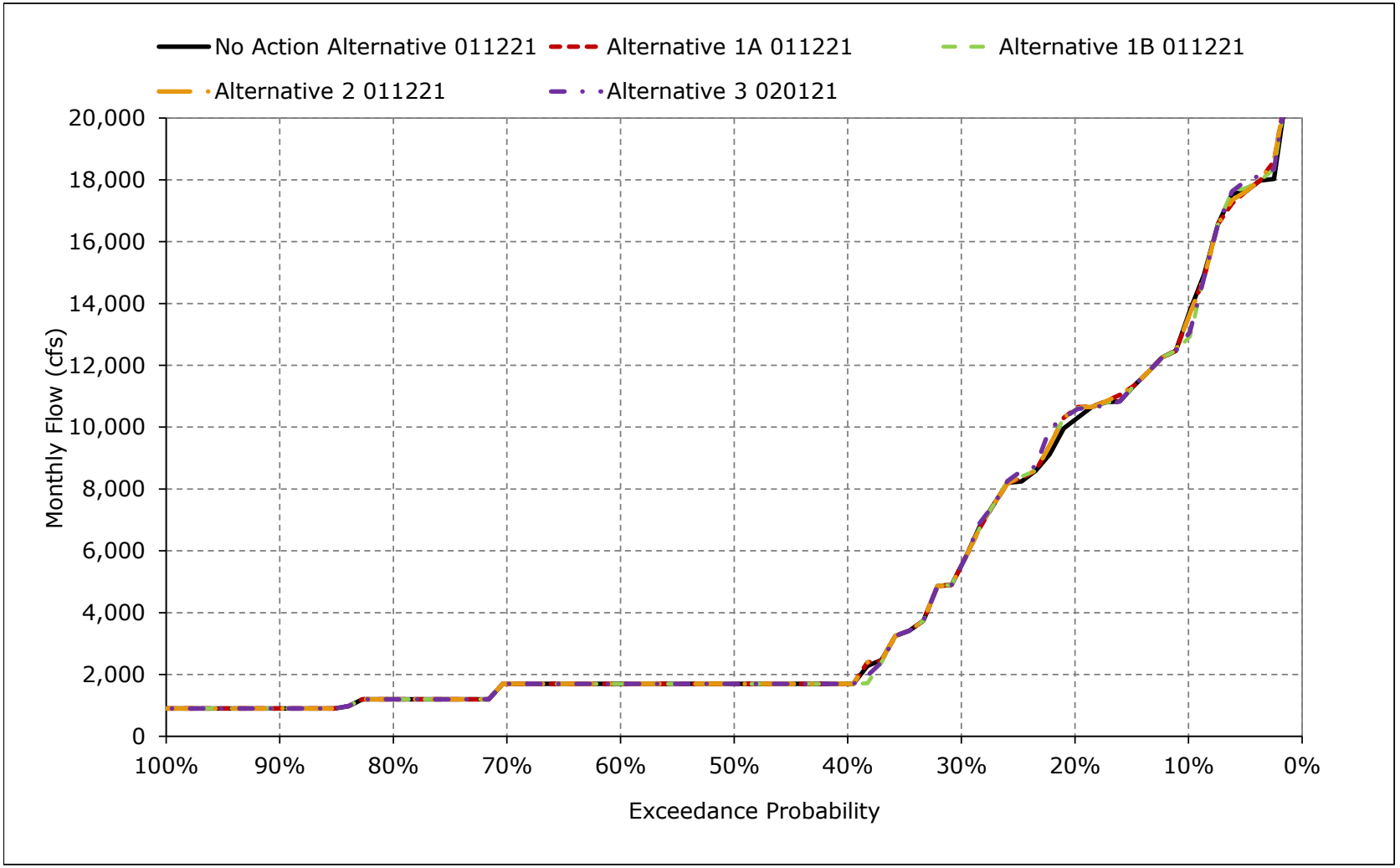


Figure 5B2-22-12. Feather River Flow downstream of Thermalito, March

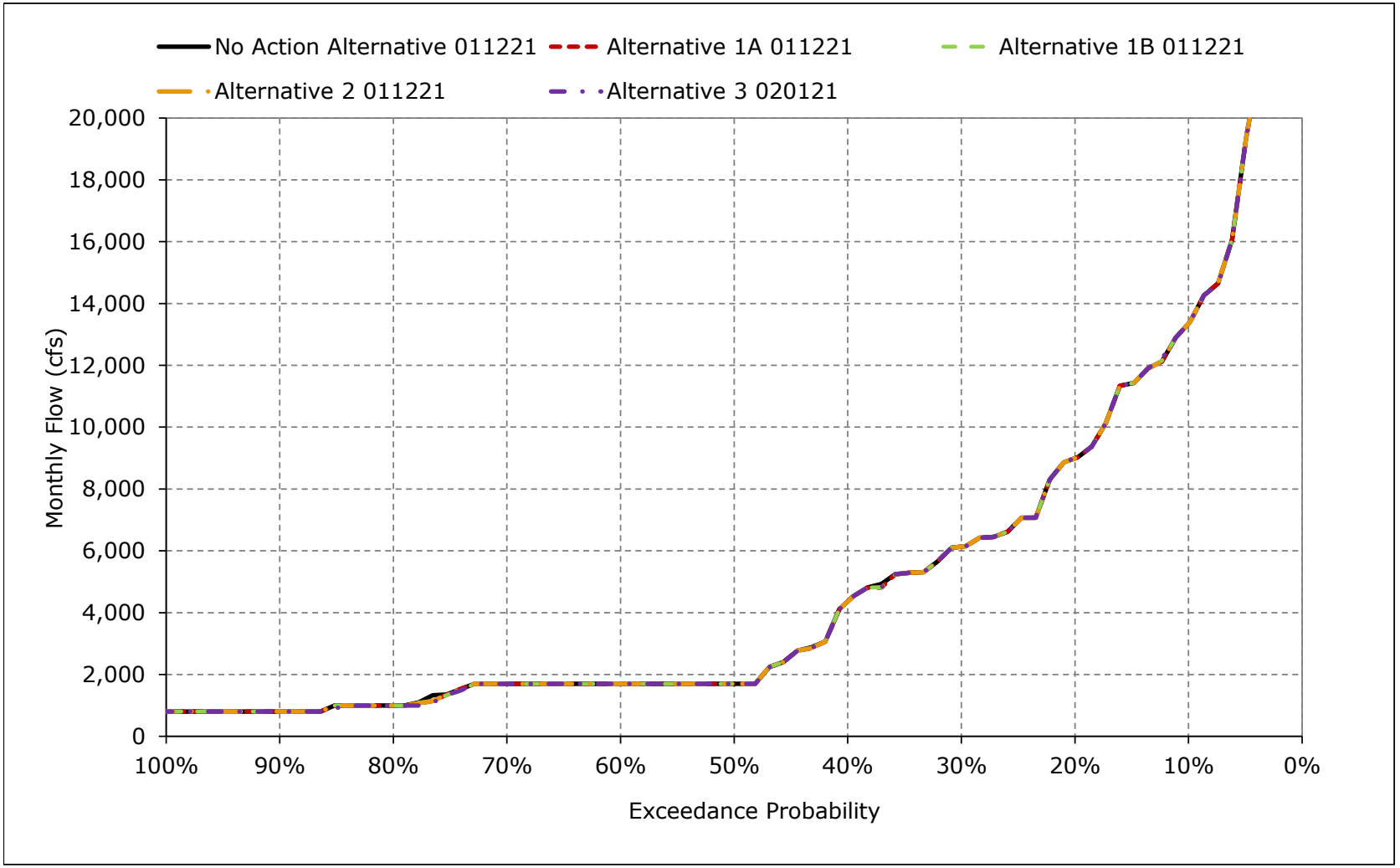


Figure 5B2-22-13. Feather River Flow downstream of Thermalito, April

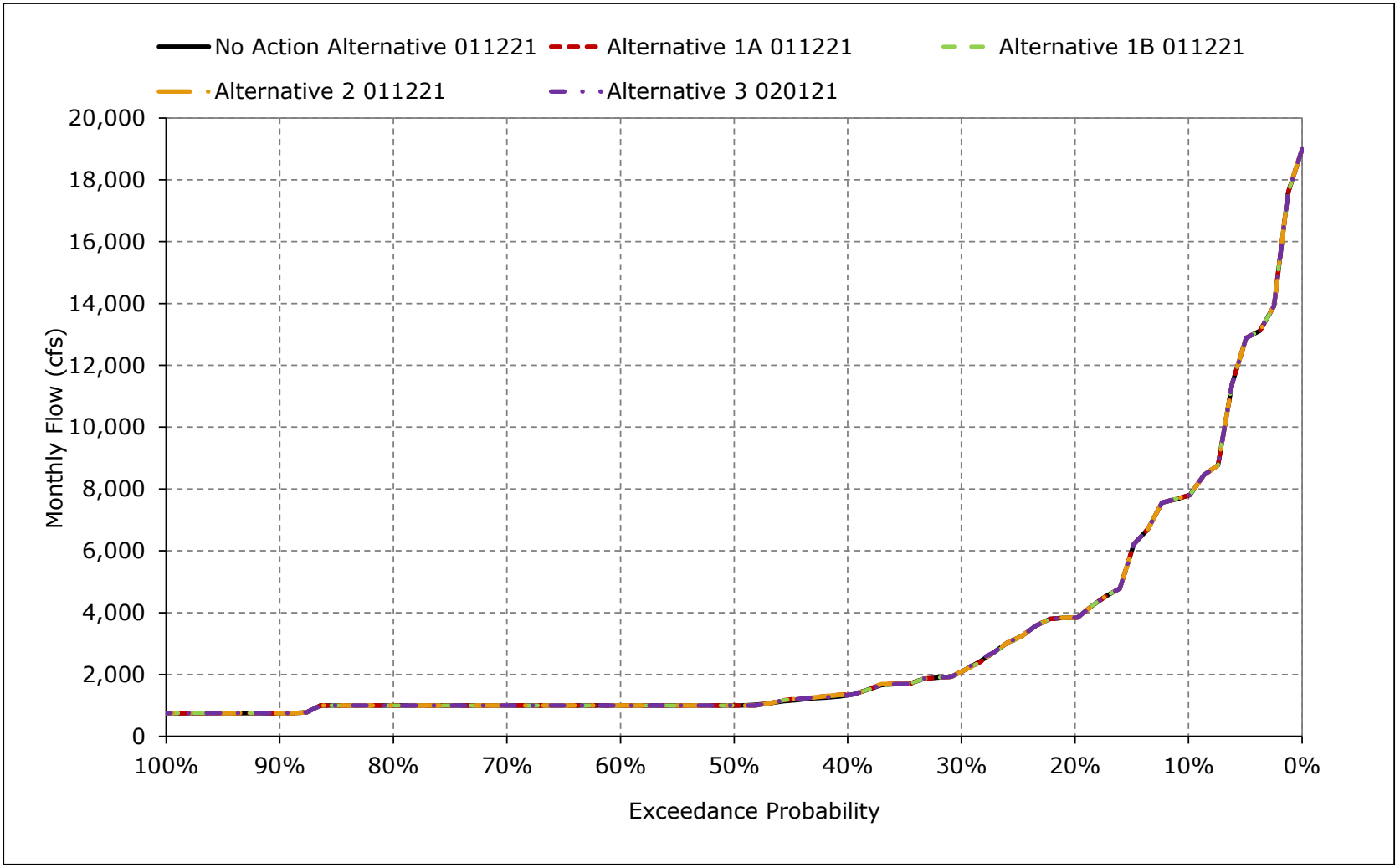


Figure 5B2-22-14. Feather River Flow downstream of Thermalito, May

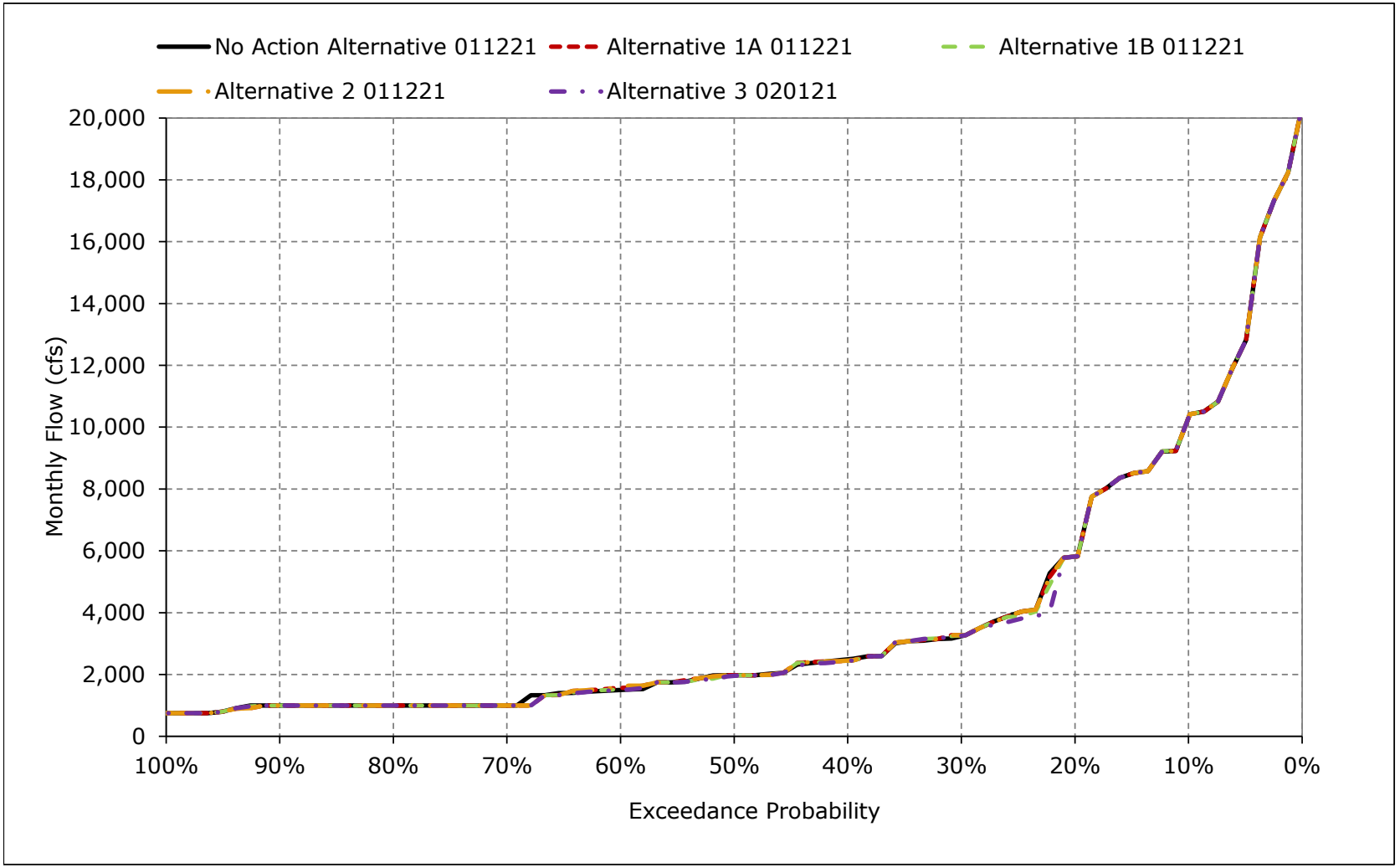


Figure 5B2-22-15. Feather River Flow downstream of Thermalito, June

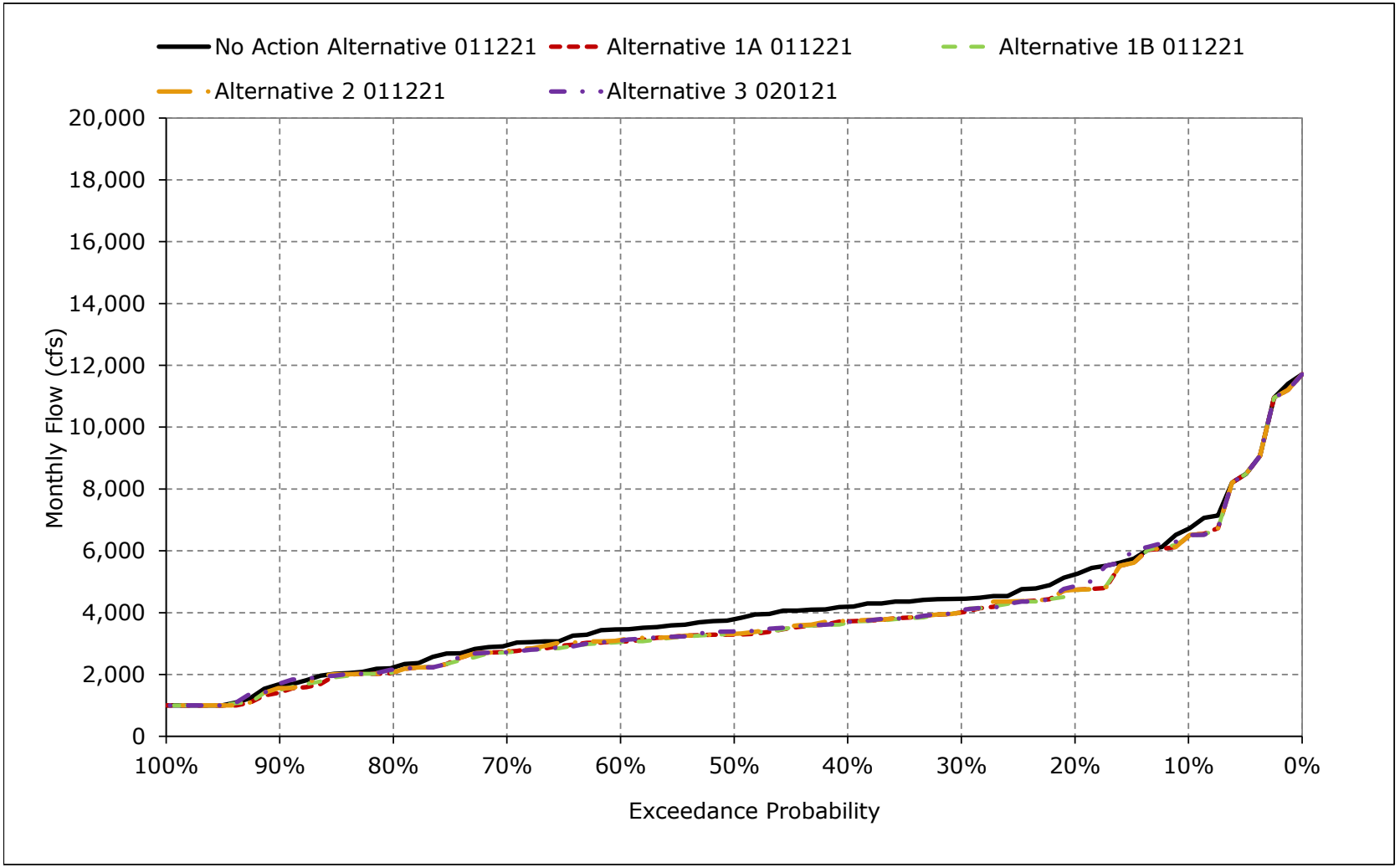


Figure 5B2-22-16. Feather River Flow downstream of Thermalito, July

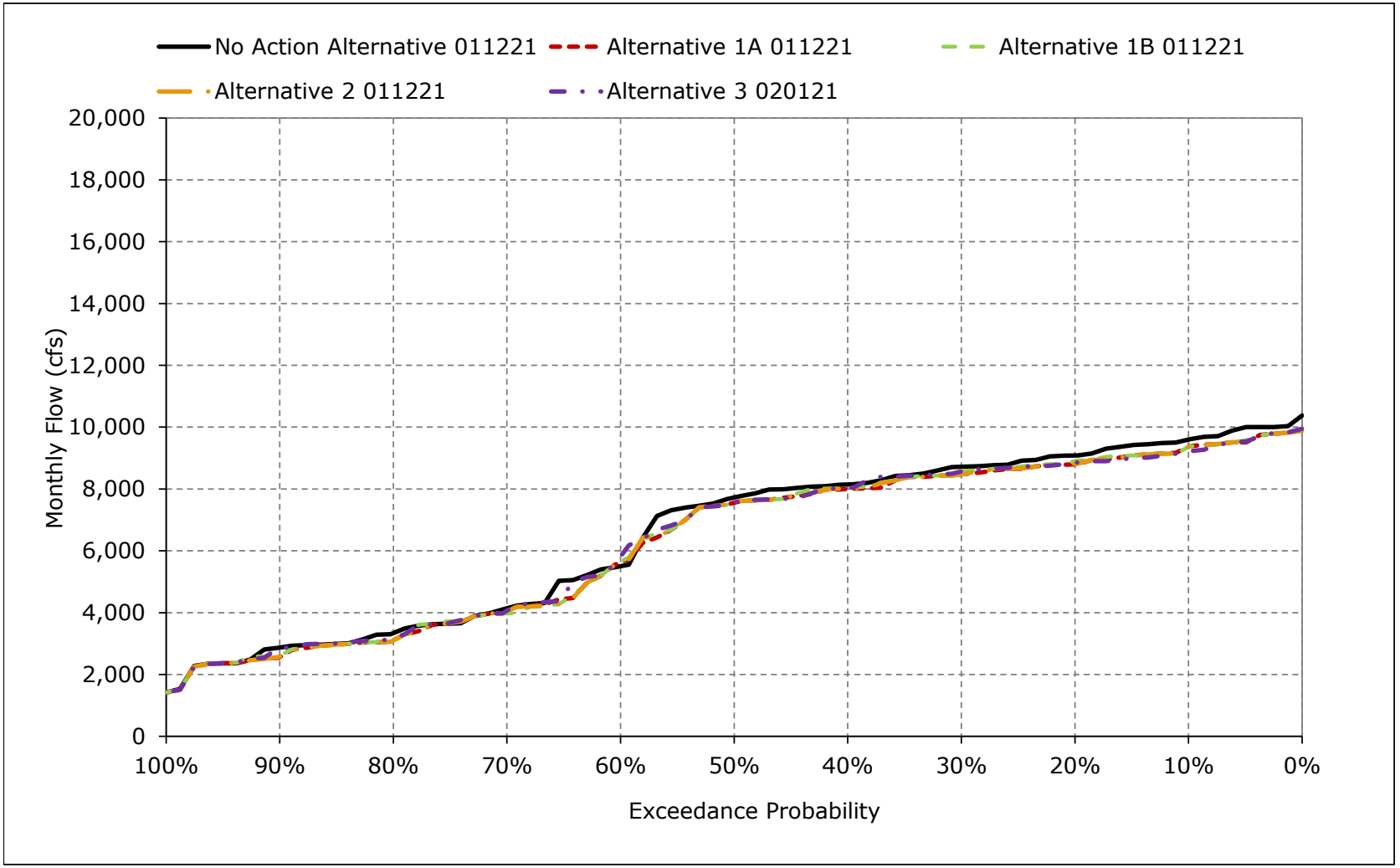


Figure 5B2-22-17. Feather River Flow downstream of Thermalito, August

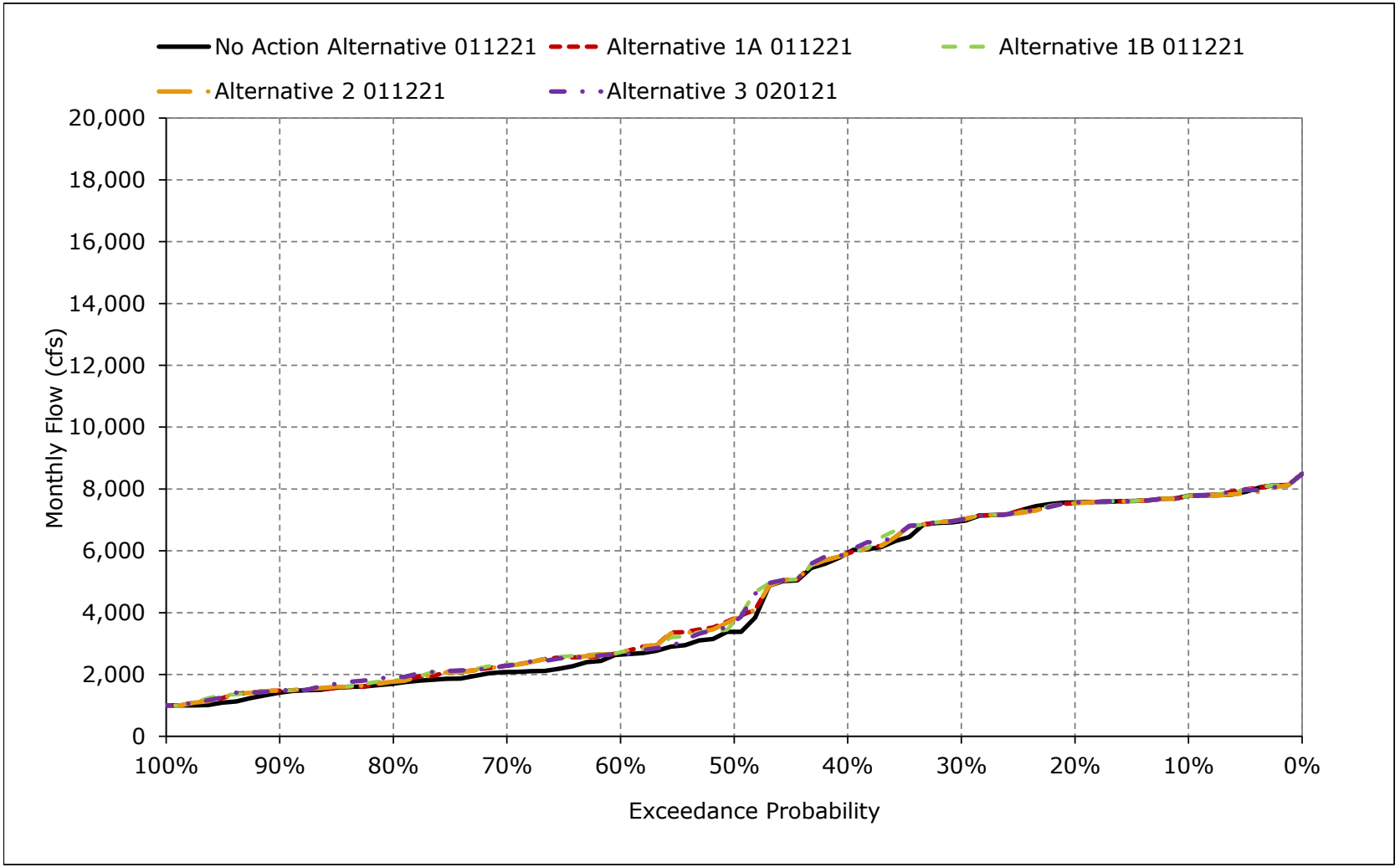


Figure 5B2-22-18. Feather River Flow downstream of Thermalito, September

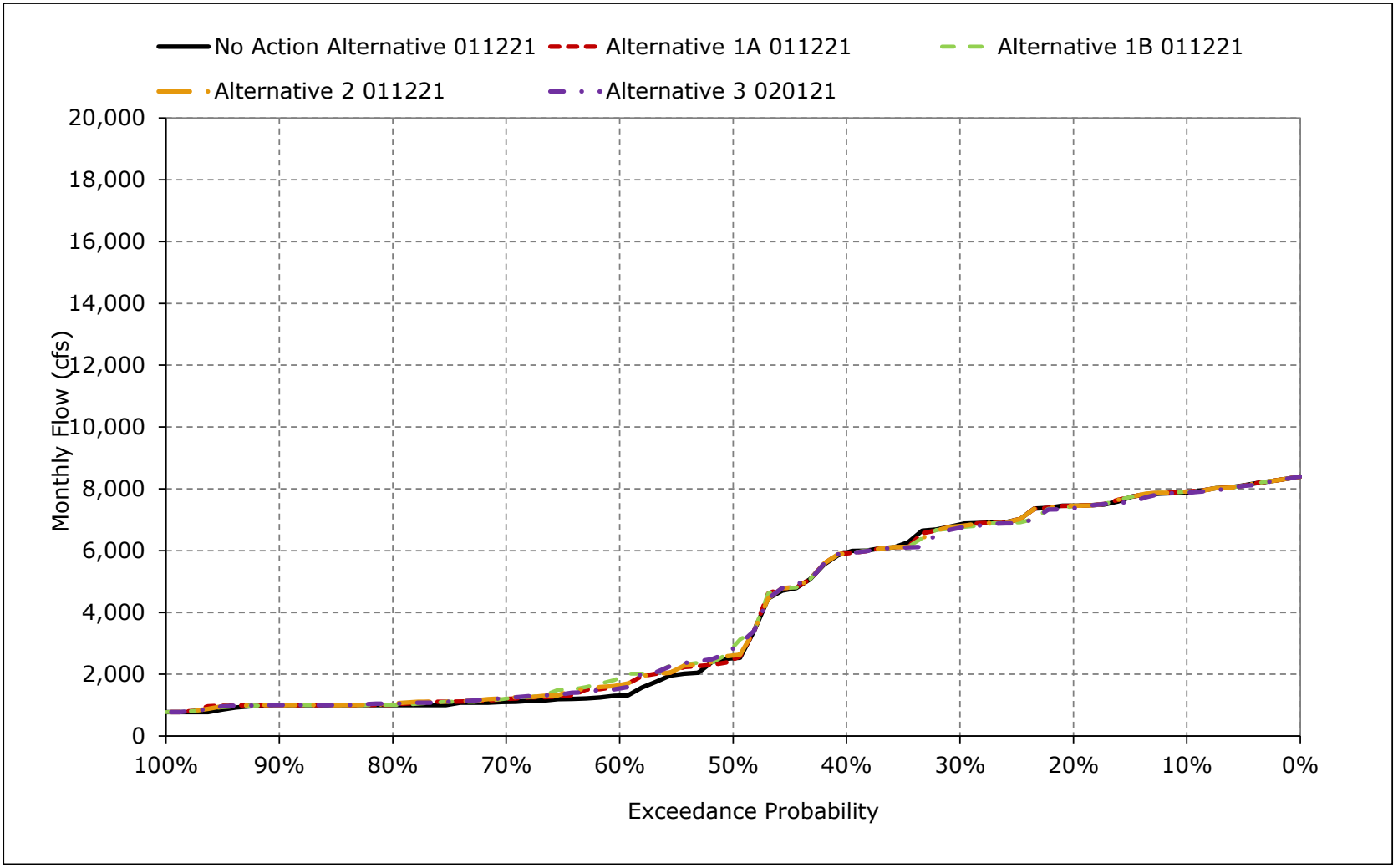


Table 5B2-23-1a. Feather River at Sacramento River Confluence Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,949	3,915	11,782	22,062	31,282	30,121	22,310	17,800	12,676	9,903	8,353	9,645
20%	4,612	2,930	5,770	16,176	20,876	20,164	13,253	11,014	8,517	9,419	7,978	9,316
30%	4,053	2,786	4,728	10,163	15,992	15,559	8,733	7,785	6,313	9,107	7,515	8,742
40%	3,319	2,371	4,017	7,355	12,187	10,513	7,030	5,935	5,540	8,658	6,739	7,605
50%	2,654	2,172	3,127	4,981	7,176	8,356	5,838	5,415	5,172	8,257	4,984	4,561
60%	2,252	1,936	2,415	4,060	5,036	6,030	4,827	4,308	4,686	7,191	3,020	2,992
70%	1,774	1,806	1,805	3,407	4,038	4,330	3,768	3,649	4,315	5,259	2,576	2,721
80%	1,660	1,509	1,661	2,734	2,581	3,138	3,167	3,173	3,923	4,005	2,099	2,581
90%	1,318	1,267	1,030	2,026	1,700	2,294	2,800	2,800	3,551	3,201	1,657	2,461
Long Term												
Full Simulation Period[a]	3,054	2,776	5,275	10,796	12,773	12,924	8,975	7,996	6,818	7,086	5,017	5,655
Water Year Types[b,c]												
Wet (32%)	4,220	3,653	7,992	22,107	25,897	24,147	16,441	14,487	10,477	7,380	5,680	8,460
Above Normal (15%)	4,135	3,003	4,006	10,450	12,184	17,918	9,717	8,313	6,503	8,531	7,483	9,513
Below Normal (17%)	3,151	3,024	5,871	5,312	8,197	6,993	5,479	5,411	4,952	8,965	7,801	4,143
Dry (22%)	1,726	2,155	4,061	4,012	4,315	4,735	4,314	4,058	5,217	6,704	2,162	2,761
Critical (15%)	1,327	1,290	1,785	3,212	2,954	2,814	3,129	2,534	3,780	3,388	2,148	1,826

Table 5B2-23-1b. Feather River at Sacramento River Confluence Flow, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,950	3,918	11,782	22,063	31,270	30,121	22,310	17,800	12,675	9,616	8,363	9,646
20%	4,612	2,940	5,757	16,177	20,865	20,164	13,253	11,014	8,290	9,257	7,974	9,314
30%	4,053	2,851	4,727	10,163	15,980	15,475	8,733	7,779	6,110	8,906	7,487	8,698
40%	3,716	2,664	3,924	7,345	12,188	10,513	7,030	5,905	5,442	8,444	6,845	7,598
50%	3,037	2,320	3,133	4,981	7,178	8,356	5,838	5,416	4,746	7,688	5,021	4,555
60%	2,714	2,081	2,415	4,060	5,035	6,028	4,827	4,348	4,367	6,927	3,556	3,089
70%	2,522	1,892	1,801	3,407	4,038	4,330	3,769	3,623	3,864	5,265	2,704	2,777
80%	1,907	1,569	1,661	2,776	2,581	3,138	3,167	3,154	3,584	3,818	2,305	2,593
90%	1,562	1,266	1,031	2,025	1,705	2,294	2,800	2,800	2,968	3,064	1,806	2,483
Long Term												
Full Simulation Period[a]	3,315	2,860	5,284	10,790	12,791	12,916	8,977	7,993	6,524	6,894	5,120	5,699
Water Year Types[b,c]												
Wet (32%)	4,286	3,657	8,024	22,073	25,961	24,131	16,438	14,488	10,466	7,356	5,691	8,456
Above Normal (15%)	4,120	3,002	3,960	10,450	12,163	17,891	9,706	8,313	6,473	8,548	7,481	9,515
Below Normal (17%)	3,509	3,148	5,862	5,310	8,195	6,992	5,481	5,425	4,786	8,662	7,845	4,158
Dry (22%)	2,330	2,393	4,091	4,021	4,317	4,736	4,332	4,029	4,394	6,201	2,413	2,821
Critical (15%)	1,661	1,357	1,784	3,230	2,960	2,820	3,127	2,544	3,258	3,217	2,403	2,021

Table 5B2-23-1c. Feather River at Sacramento River Confluence Flow, 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%	0	3	0	0	-12	0	0	0	0	-287	10	1
20%	0	10	-13	0	-11	0	0	0	-228	-162	-4	-2
30%	0	65	-1	0	-12	-83	0	-7	-203	-201	-29	-44
40%	396	293	-93	-10	0	0	0	-30	-99	-215	105	-7
50%	383	147	6	0	1	0	0	1	-426	-569	37	-7
60%	462	145	0	0	0	-2	0	40	-319	-264	536	97
70%	748	86	-4	0	0	0	1	-26	-451	7	128	56
80%	247	60	0	41	0	0	0	-19	-338	-187	206	12
90%	244	-1	0	0	5	0	0	0	-583	-137	148	21
Long Term												
Full Simulation Period[a]	261	85	8	-6	18	-8	2	-2	-293	-192	103	43
Water Year Types[b,c]												
Wet (32%)	66	4	32	-34	64	-16	-2	1	-11	-24	11	-3
Above Normal (15%)	-16	0	-46	0	-21	-28	-11	-1	-30	17	-2	2
Below Normal (17%)	357	124	-9	-2	-1	0	3	14	-166	-303	44	15
Dry (22%)	604	238	30	9	2	1	18	-30	-823	-502	251	61
Critical (15%)	334	68	-1	18	5	6	-2	10	-523	-171	255	194

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 5B2-23-2a. Feather River at Sacramento River Confluence Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,949	3,915	11,782	22,062	31,282	30,121	22,310	17,800	12,676	9,903	8,353	9,645
20%	4,612	2,930	5,770	16,176	20,876	20,164	13,253	11,014	8,517	9,419	7,978	9,316
30%	4,053	2,786	4,728	10,163	15,992	15,559	8,733	7,785	6,313	9,107	7,515	8,742
40%	3,319	2,371	4,017	7,355	12,187	10,513	7,030	5,935	5,540	8,658	6,739	7,605
50%	2,654	2,172	3,127	4,981	7,176	8,356	5,838	5,415	5,172	8,257	4,984	4,561
60%	2,252	1,936	2,415	4,060	5,036	6,030	4,827	4,308	4,686	7,191	3,020	2,992
70%	1,774	1,806	1,805	3,407	4,038	4,330	3,768	3,649	4,315	5,259	2,576	2,721
80%	1,660	1,509	1,661	2,734	2,581	3,138	3,167	3,173	3,923	4,005	2,099	2,581
90%	1,318	1,267	1,030	2,026	1,700	2,294	2,800	2,800	3,551	3,201	1,657	2,461
Long Term												
Full Simulation Period[a]	3,054	2,776	5,275	10,796	12,773	12,924	8,975	7,996	6,818	7,086	5,017	5,655
Water Year Types[b,c]												
Wet (32%)	4,220	3,653	7,992	22,107	25,897	24,147	16,441	14,487	10,477	7,380	5,680	8,460
Above Normal (15%)	4,135	3,003	4,006	10,450	12,184	17,918	9,717	8,313	6,503	8,531	7,483	9,513
Below Normal (17%)	3,151	3,024	5,871	5,312	8,197	6,993	5,479	5,411	4,952	8,965	7,801	4,143
Dry (22%)	1,726	2,155	4,061	4,012	4,315	4,735	4,314	4,058	5,217	6,704	2,162	2,761
Critical (15%)	1,327	1,290	1,785	3,212	2,954	2,814	3,129	2,534	3,780	3,388	2,148	1,826

Table 5B2-23-2b. Feather River at Sacramento River Confluence Flow, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,950	3,919	11,782	22,063	31,270	30,121	22,310	17,800	12,676	9,714	8,363	9,646
20%	4,612	2,940	5,741	16,177	20,867	20,164	13,254	11,014	8,314	9,257	7,974	9,232
30%	4,053	2,834	4,727	10,163	16,043	15,482	8,733	7,782	6,110	8,893	7,542	8,696
40%	3,716	2,494	3,921	7,345	12,188	10,513	7,030	5,864	5,506	8,434	6,845	7,597
50%	3,024	2,292	3,137	4,981	7,196	8,356	5,838	5,414	4,706	7,855	4,994	4,549
60%	2,713	2,038	2,413	4,060	5,036	6,028	4,827	4,348	4,367	6,928	3,466	3,213
70%	2,472	1,892	1,804	3,407	4,038	4,330	3,769	3,602	3,908	5,267	2,682	2,764
80%	1,915	1,543	1,661	2,738	2,581	3,138	3,165	3,154	3,457	3,766	2,341	2,583
90%	1,556	1,266	1,031	2,025	1,705	2,294	2,800	2,800	2,905	3,181	1,925	2,473
Long Term												
Full Simulation Period[a]	3,308	2,839	5,284	10,791	12,778	12,917	8,976	7,984	6,517	6,915	5,131	5,715
Water Year Types[b,c]												
Wet (32%)	4,284	3,657	8,023	22,074	25,893	24,137	16,438	14,488	10,466	7,355	5,689	8,450
Above Normal (15%)	4,181	2,972	3,958	10,450	12,206	17,890	9,706	8,310	6,480	8,536	7,523	9,454
Below Normal (17%)	3,451	3,149	5,862	5,320	8,204	6,994	5,477	5,425	4,794	8,675	7,838	4,278
Dry (22%)	2,325	2,316	4,096	4,021	4,316	4,735	4,331	3,989	4,346	6,278	2,472	2,824
Critical (15%)	1,626	1,356	1,784	3,221	2,960	2,816	3,126	2,545	3,266	3,241	2,358	2,060

Table 5B2-23-2c. Feather River at Sacramento River Confluence Flow, 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%	0	4	0	0	-12	0	0	0	0	-189	10	1
20%	0	10	-29	0	-9	0	0	0	-204	-162	-4	-84
30%	0	48	-1	0	51	-77	0	-4	-203	-213	27	-46
40%	396	123	-96	-10	0	0	0	-70	-34	-224	105	-8
50%	369	120	10	0	19	0	0	-1	-466	-401	10	-12
60%	461	102	-2	0	0	-2	0	40	-319	-263	446	221
70%	698	87	-1	0	0	0	1	-47	-407	9	106	43
80%	256	34	0	4	0	0	-1	-19	-465	-240	242	2
90%	238	0	1	0	5	0	0	0	-645	-20	267	12
Long Term												
Full Simulation Period[a]	254	63	9	-6	4	-7	1	-11	-300	-171	114	60
Water Year Types[b,c]												
Wet (32%)	65	4	31	-33	-3	-10	-2	1	-11	-25	9	-9
Above Normal (15%)	46	-30	-48	0	22	-28	-11	-3	-23	5	40	-59
Below Normal (17%)	299	125	-10	8	8	1	-1	15	-159	-290	37	135
Dry (22%)	599	161	35	9	0	0	17	-70	-871	-425	310	63
Critical (15%)	299	66	0	9	6	3	-3	11	-514	-147	210	234

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 5B2-23-3a. Feather River at Sacramento River Confluence Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,949	3,915	11,782	22,062	31,282	30,121	22,310	17,800	12,676	9,903	8,353	9,645
20%	4,612	2,930	5,770	16,176	20,876	20,164	13,253	11,014	8,517	9,419	7,978	9,316
30%	4,053	2,786	4,728	10,163	15,992	15,559	8,733	7,785	6,313	9,107	7,515	8,742
40%	3,319	2,371	4,017	7,355	12,187	10,513	7,030	5,935	5,540	8,658	6,739	7,605
50%	2,654	2,172	3,127	4,981	7,176	8,356	5,838	5,415	5,172	8,257	4,984	4,561
60%	2,252	1,936	2,415	4,060	5,036	6,030	4,827	4,308	4,686	7,191	3,020	2,992
70%	1,774	1,806	1,805	3,407	4,038	4,330	3,768	3,649	4,315	5,259	2,576	2,721
80%	1,660	1,509	1,661	2,734	2,581	3,138	3,167	3,173	3,923	4,005	2,099	2,581
90%	1,318	1,267	1,030	2,026	1,700	2,294	2,800	2,800	3,551	3,201	1,657	2,461
Long Term												
Full Simulation Period[a]	3,054	2,776	5,275	10,796	12,773	12,924	8,975	7,996	6,818	7,086	5,017	5,655
Water Year Types[b,c]												
Wet (32%)	4,220	3,653	7,992	22,107	25,897	24,147	16,441	14,487	10,477	7,380	5,680	8,460
Above Normal (15%)	4,135	3,003	4,006	10,450	12,184	17,918	9,717	8,313	6,503	8,531	7,483	9,513
Below Normal (17%)	3,151	3,024	5,871	5,312	8,197	6,993	5,479	5,411	4,952	8,965	7,801	4,143
Dry (22%)	1,726	2,155	4,061	4,012	4,315	4,735	4,314	4,058	5,217	6,704	2,162	2,761
Critical (15%)	1,327	1,290	1,785	3,212	2,954	2,814	3,129	2,534	3,780	3,388	2,148	1,826

Table 5B2-23-3b. Feather River at Sacramento River Confluence Flow, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,950	3,918	11,782	22,063	31,270	30,122	22,310	17,800	12,675	9,615	8,296	9,646
20%	4,612	2,940	5,757	16,177	20,865	20,164	13,254	11,014	8,295	9,260	7,974	9,313
30%	4,053	2,838	4,727	10,163	15,981	15,476	8,733	7,770	6,110	8,890	7,486	8,698
40%	3,716	2,576	3,921	7,345	12,188	10,513	7,030	5,904	5,442	8,442	6,845	7,598
50%	3,018	2,307	3,133	4,981	7,201	8,356	5,838	5,416	4,747	7,785	5,019	4,555
60%	2,685	2,075	2,414	4,060	5,035	6,028	4,827	4,348	4,367	6,926	3,469	3,191
70%	2,399	1,892	1,803	3,407	4,038	4,330	3,769	3,623	3,927	5,265	2,694	2,779
80%	1,839	1,546	1,661	2,735	2,581	3,138	3,166	3,154	3,585	3,799	2,323	2,583
90%	1,558	1,267	1,031	2,025	1,705	2,294	2,800	2,800	3,119	3,063	1,806	2,475
Long Term												
Full Simulation Period[a]	3,284	2,846	5,290	10,789	12,794	12,916	8,977	7,994	6,548	6,896	5,114	5,706
Water Year Types[b,c]												
Wet (32%)	4,287	3,657	8,032	22,073	25,963	24,131	16,438	14,488	10,466	7,356	5,689	8,450
Above Normal (15%)	4,122	3,002	3,960	10,450	12,172	17,891	9,706	8,312	6,473	8,544	7,481	9,515
Below Normal (17%)	3,504	3,151	5,884	5,313	8,199	6,995	5,481	5,431	4,787	8,664	7,813	4,159
Dry (22%)	2,236	2,333	4,091	4,021	4,317	4,737	4,332	4,029	4,473	6,203	2,424	2,842
Critical (15%)	1,588	1,350	1,784	3,221	2,960	2,820	3,126	2,544	3,302	3,230	2,386	2,053

Table 5B2-23-3c. Feather River at Sacramento River Confluence Flow, 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%	0	3	0	0	-12	0	0	0	0	-288	-57	1
20%	0	10	-13	0	-11	0	0	0	-223	-159	-3	-3
30%	0	52	-1	0	-11	-83	0	-15	-203	-217	-29	-44
40%	396	205	-96	-10	0	0	0	-30	-98	-216	105	-7
50%	364	134	6	0	25	0	0	1	-426	-472	35	-6
60%	433	140	-1	0	0	-2	0	40	-319	-265	448	200
70%	624	87	-2	0	0	0	1	-26	-388	7	118	57
80%	180	36	0	0	0	0	0	-19	-338	-206	224	2
90%	240	0	1	0	5	0	0	0	-432	-138	148	14
Long Term												
Full Simulation Period[a]	230	71	15	-7	21	-7	2	-2	-270	-190	97	51
Water Year Types[b,c]												
Wet (32%)	67	4	40	-34	67	-16	-2	1	-11	-24	9	-10
Above Normal (15%)	-13	0	-46	0	-12	-27	-11	-2	-30	13	-2	2
Below Normal (17%)	353	127	13	1	2	2	3	20	-165	-301	12	16
Dry (22%)	510	178	29	10	2	1	18	-30	-745	-501	262	81
Critical (15%)	261	60	-1	9	6	6	-3	10	-478	-157	237	226

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 5B2-23-4a. Feather River at Sacramento River Confluence Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,949	3,915	11,782	22,062	31,282	30,121	22,310	17,800	12,676	9,903	8,353	9,645
20%	4,612	2,930	5,770	16,176	20,876	20,164	13,253	11,014	8,517	9,419	7,978	9,316
30%	4,053	2,786	4,728	10,163	15,992	15,559	8,733	7,785	6,313	9,107	7,515	8,742
40%	3,319	2,371	4,017	7,355	12,187	10,513	7,030	5,935	5,540	8,658	6,739	7,605
50%	2,654	2,172	3,127	4,981	7,176	8,356	5,838	5,415	5,172	8,257	4,984	4,561
60%	2,252	1,936	2,415	4,060	5,036	6,030	4,827	4,308	4,686	7,191	3,020	2,992
70%	1,774	1,806	1,805	3,407	4,038	4,330	3,768	3,649	4,315	5,259	2,576	2,721
80%	1,660	1,509	1,661	2,734	2,581	3,138	3,167	3,173	3,923	4,005	2,099	2,581
90%	1,318	1,267	1,030	2,026	1,700	2,294	2,800	2,800	3,551	3,201	1,657	2,461
Long Term												
Full Simulation Period[a]	3,054	2,776	5,275	10,796	12,773	12,924	8,975	7,996	6,818	7,086	5,017	5,655
Water Year Types[b,c]												
Wet (32%)	4,220	3,653	7,992	22,107	25,897	24,147	16,441	14,487	10,477	7,380	5,680	8,460
Above Normal (15%)	4,135	3,003	4,006	10,450	12,184	17,918	9,717	8,313	6,503	8,531	7,483	9,513
Below Normal (17%)	3,151	3,024	5,871	5,312	8,197	6,993	5,479	5,411	4,952	8,965	7,801	4,143
Dry (22%)	1,726	2,155	4,061	4,012	4,315	4,735	4,314	4,058	5,217	6,704	2,162	2,761
Critical (15%)	1,327	1,290	1,785	3,212	2,954	2,814	3,129	2,534	3,780	3,388	2,148	1,826

Table 5B2-23-4b. Feather River at Sacramento River Confluence Flow, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,950	3,919	11,782	22,063	31,271	30,124	22,310	17,801	12,676	9,749	8,363	9,608
20%	4,616	2,935	5,744	16,177	20,897	20,165	13,254	11,014	8,379	9,229	7,986	9,201
30%	4,053	2,833	4,728	10,163	16,033	15,483	8,733	7,774	6,288	8,787	7,539	8,473
40%	3,716	2,494	4,017	7,347	12,188	10,513	7,030	5,834	5,566	8,417	6,845	7,606
50%	2,917	2,278	3,290	4,981	7,200	8,357	5,838	5,402	4,896	8,194	5,000	4,474
60%	2,655	2,038	2,414	4,058	5,037	6,029	4,827	4,259	4,422	6,950	3,581	3,093
70%	2,353	1,855	1,804	3,407	4,039	4,330	3,769	3,577	3,919	5,274	2,707	2,819
80%	1,700	1,510	1,661	2,737	2,581	3,138	3,167	3,129	3,468	4,028	2,282	2,647
90%	1,381	1,266	1,032	2,026	1,705	2,294	2,800	2,800	3,065	3,206	1,883	2,473
Long Term												
Full Simulation Period[a]	3,238	2,821	5,299	10,809	12,799	12,920	8,977	7,962	6,576	6,938	5,130	5,688
Water Year Types[b,c]												
Wet (32%)	4,311	3,657	8,010	22,107	25,939	24,156	16,439	14,489	10,466	7,358	5,680	8,423
Above Normal (15%)	4,166	2,951	4,092	10,505	12,252	17,869	9,707	8,310	6,496	8,305	7,494	9,411
Below Normal (17%)	3,386	3,145	5,872	5,318	8,204	6,995	5,478	5,416	4,799	8,714	7,877	4,205
Dry (22%)	2,175	2,253	4,084	4,020	4,315	4,734	4,327	3,906	4,565	6,467	2,444	2,837
Critical (15%)	1,405	1,356	1,784	3,221	2,960	2,816	3,135	2,528	3,318	3,296	2,396	2,046

Table 5B2-23-4c. Feather River at Sacramento River Confluence Flow, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

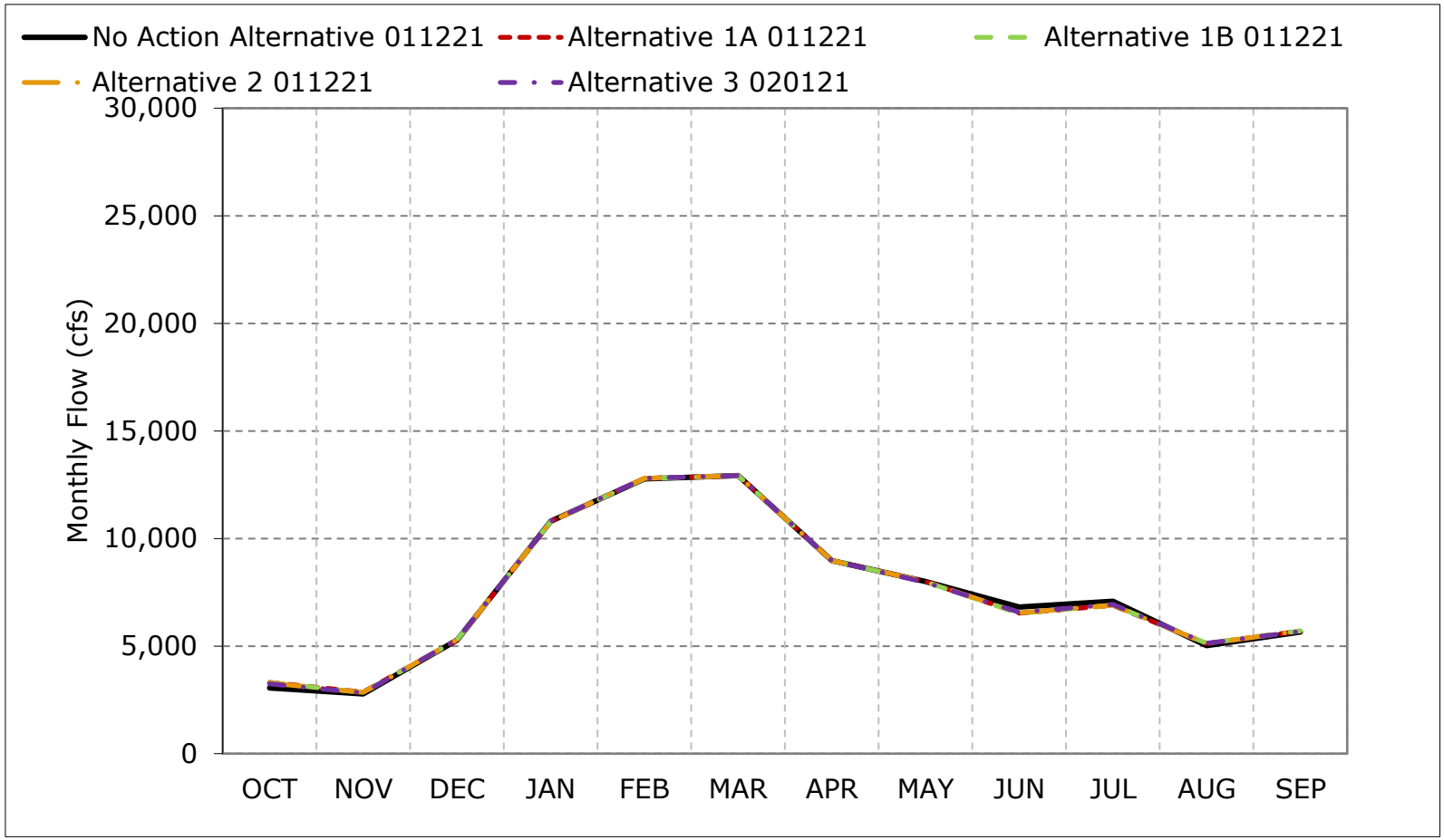
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	4	0	1	-11	3	0	0	0	-154	10	-37
20%	4	5	-27	1	22	0	1	0	-138	-190	8	-115
30%	0	47	0	0	41	-76	0	-11	-25	-320	23	-269
40%	397	123	0	-8	1	0	0	-100	25	-242	106	1
50%	262	106	163	0	24	1	0	-13	-276	-63	16	-87
60%	403	102	-1	-1	1	-1	0	-49	-265	-241	561	101
70%	578	49	-1	0	1	0	1	-72	-396	15	131	98
80%	41	1	0	3	0	0	0	-43	-454	23	183	66
90%	63	-1	1	0	5	0	0	0	-486	5	225	12
Long Term												
Full Simulation Period[a]	184	46	23	12	25	-4	2	-34	-242	-148	113	33
Water Year Types[b,c]												
Wet (32%)	92	4	18	0	42	9	-2	1	-11	-22	0	-37
Above Normal (15%)	30	-52	86	55	68	-49	-11	-4	-6	-225	12	-102
Below Normal (17%)	235	121	0	6	8	2	-1	5	-154	-251	76	61
Dry (22%)	450	98	23	8	-1	-1	13	-152	-653	-237	282	76
Critical (15%)	77	66	-1	9	6	2	6	-6	-462	-92	248	220

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).

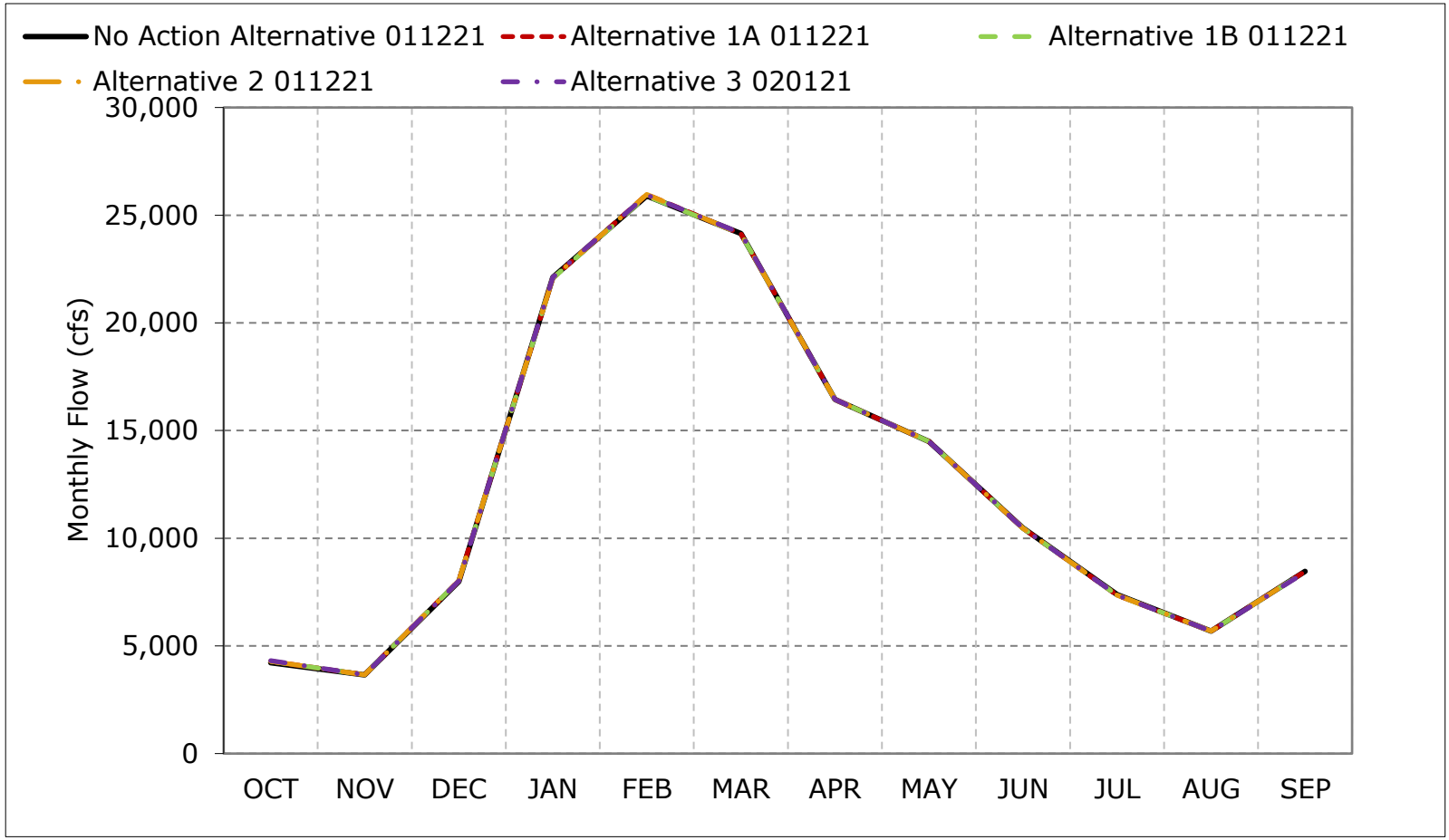
c These results are displayed with calendar year - year type sorting.

Figure 5B2-23-1. Feather River at Sacramento River Confluence Flow, Long-Term Average Flow



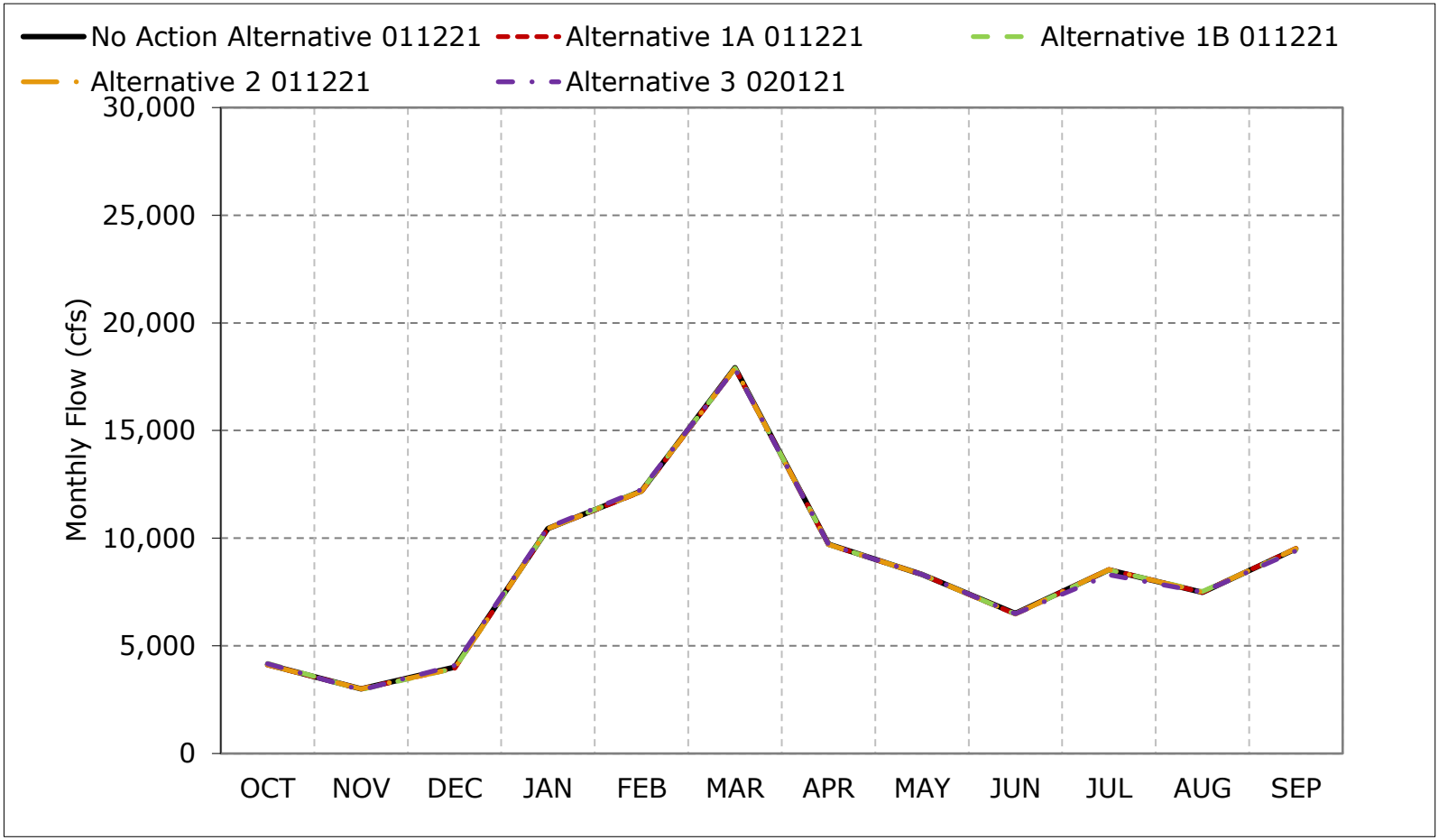
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-23-2. Feather River at Sacramento River Confluence Flow, Wet Year Average Flow



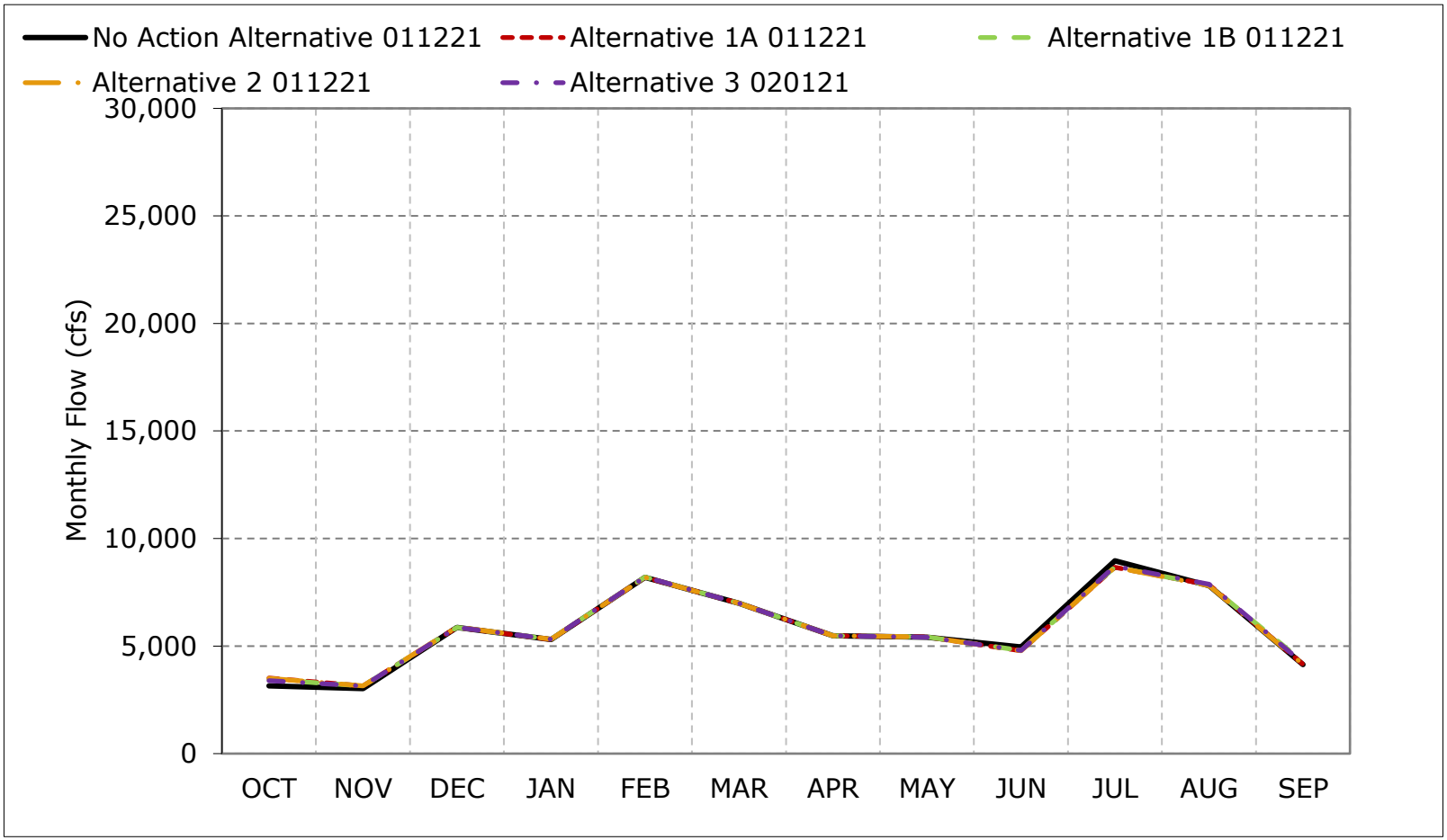
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-23-3. Feather River at Sacramento River Confluence Flow, Above Normal Year Average Flow



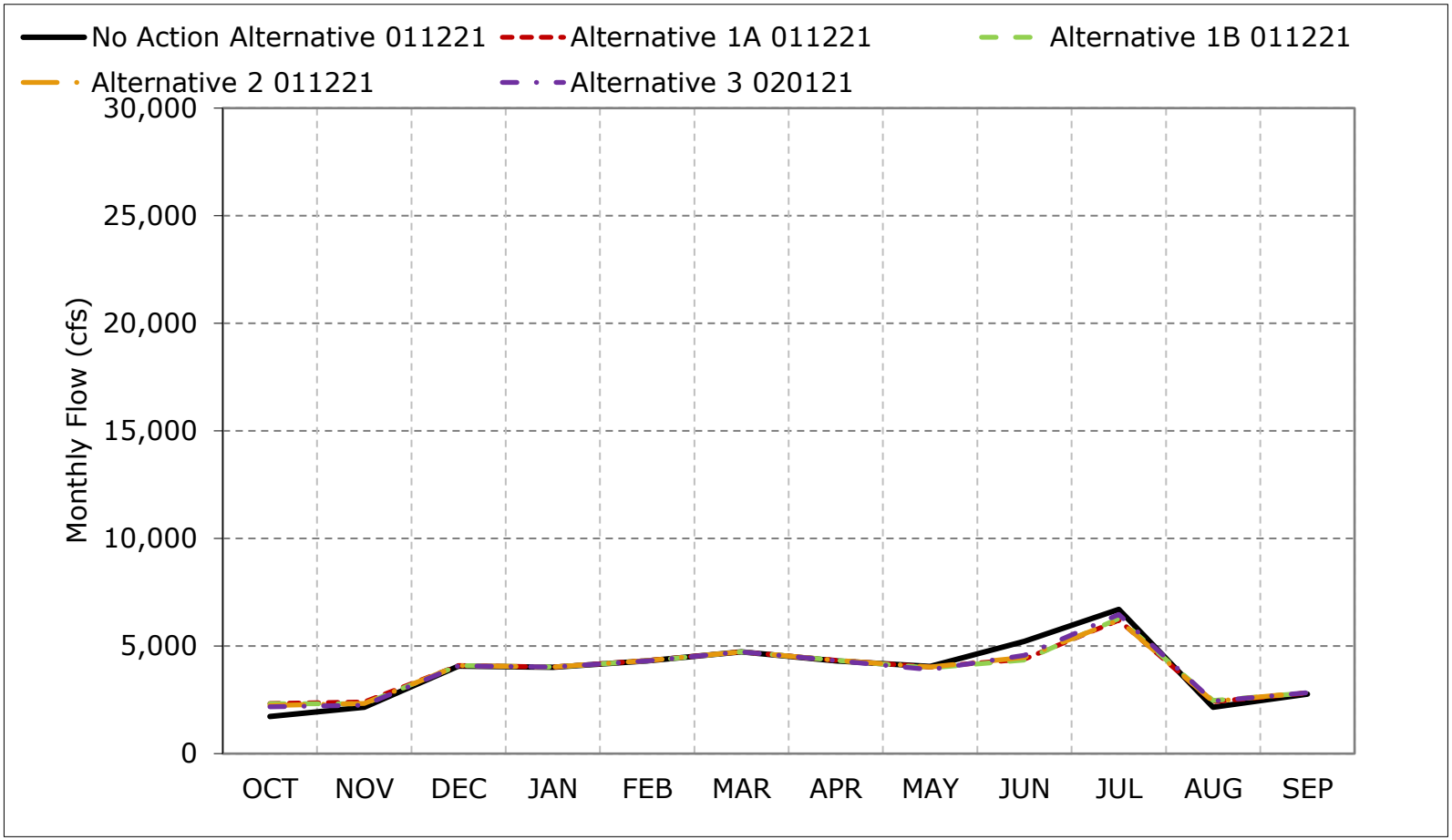
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-23-4. Feather River at Sacramento River Confluence Flow, Below Normal Year Average Flow



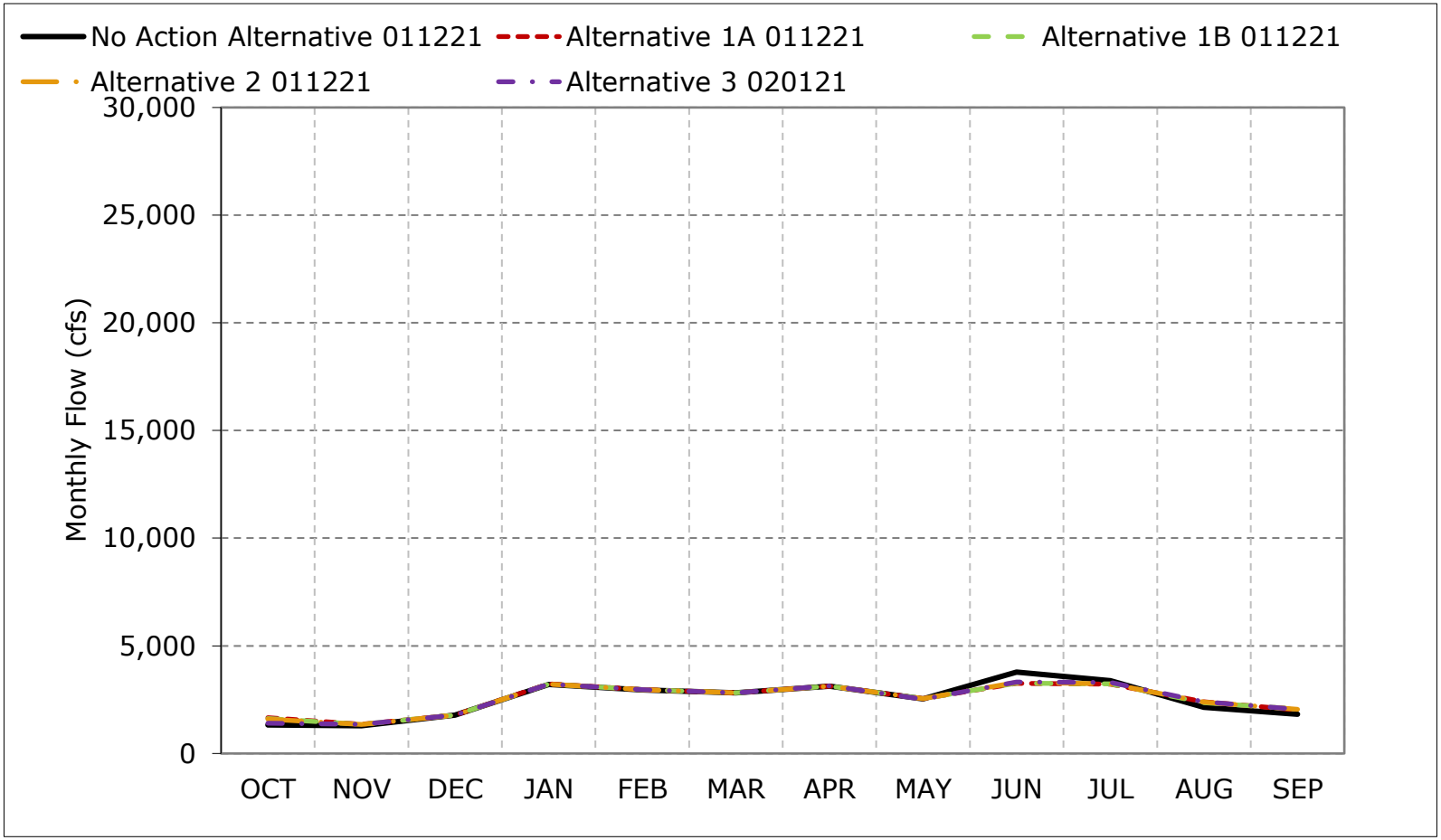
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-23-5. Feather River at Sacramento River Confluence Flow, 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 5B2-23-6. Feather River at Sacramento River Confluence Flow, 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 5B2-23-7. Feather River at Sacramento River Confluence Flow, October

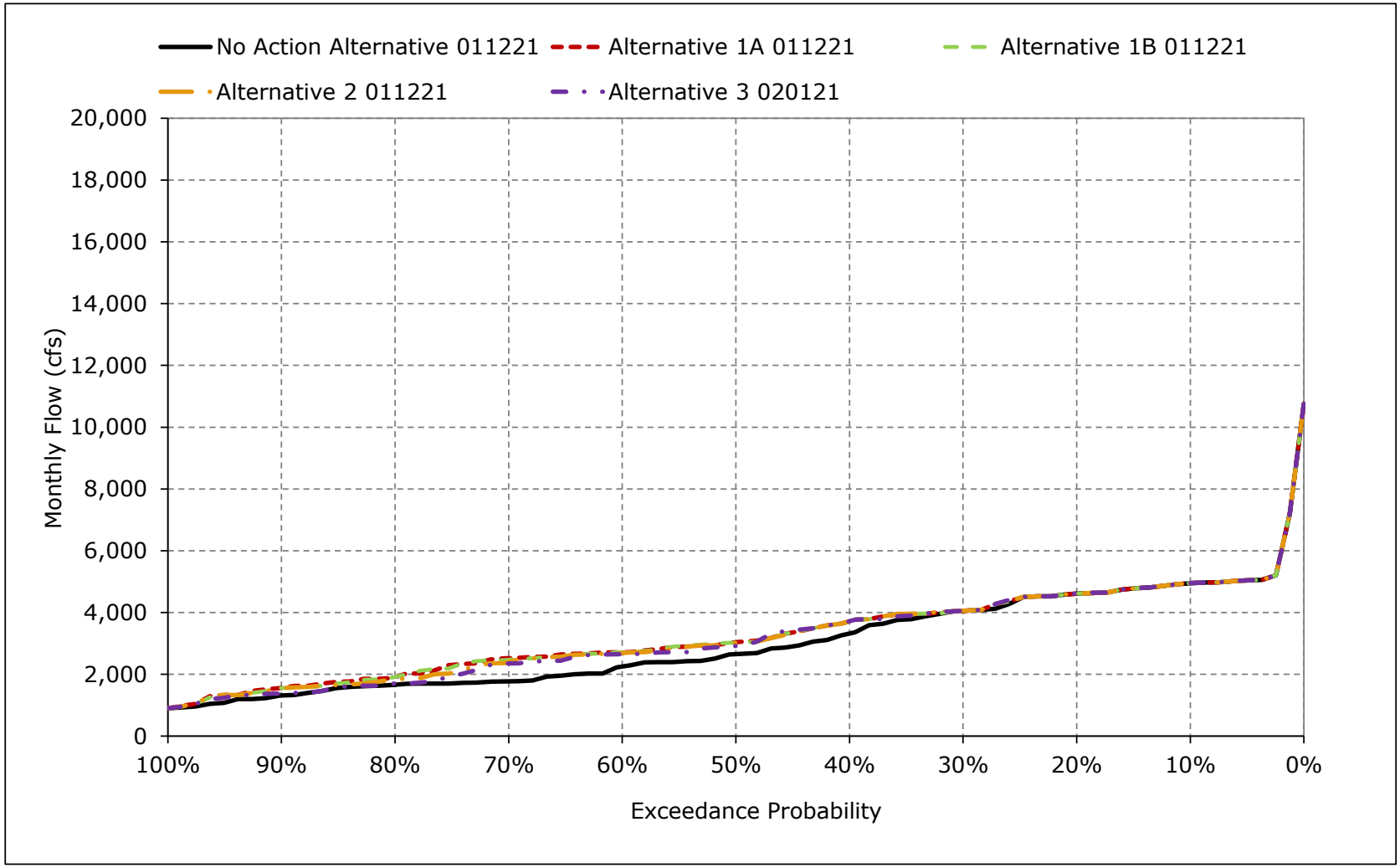


Figure 5B2-23-8. Feather River at Sacramento River Confluence Flow, November

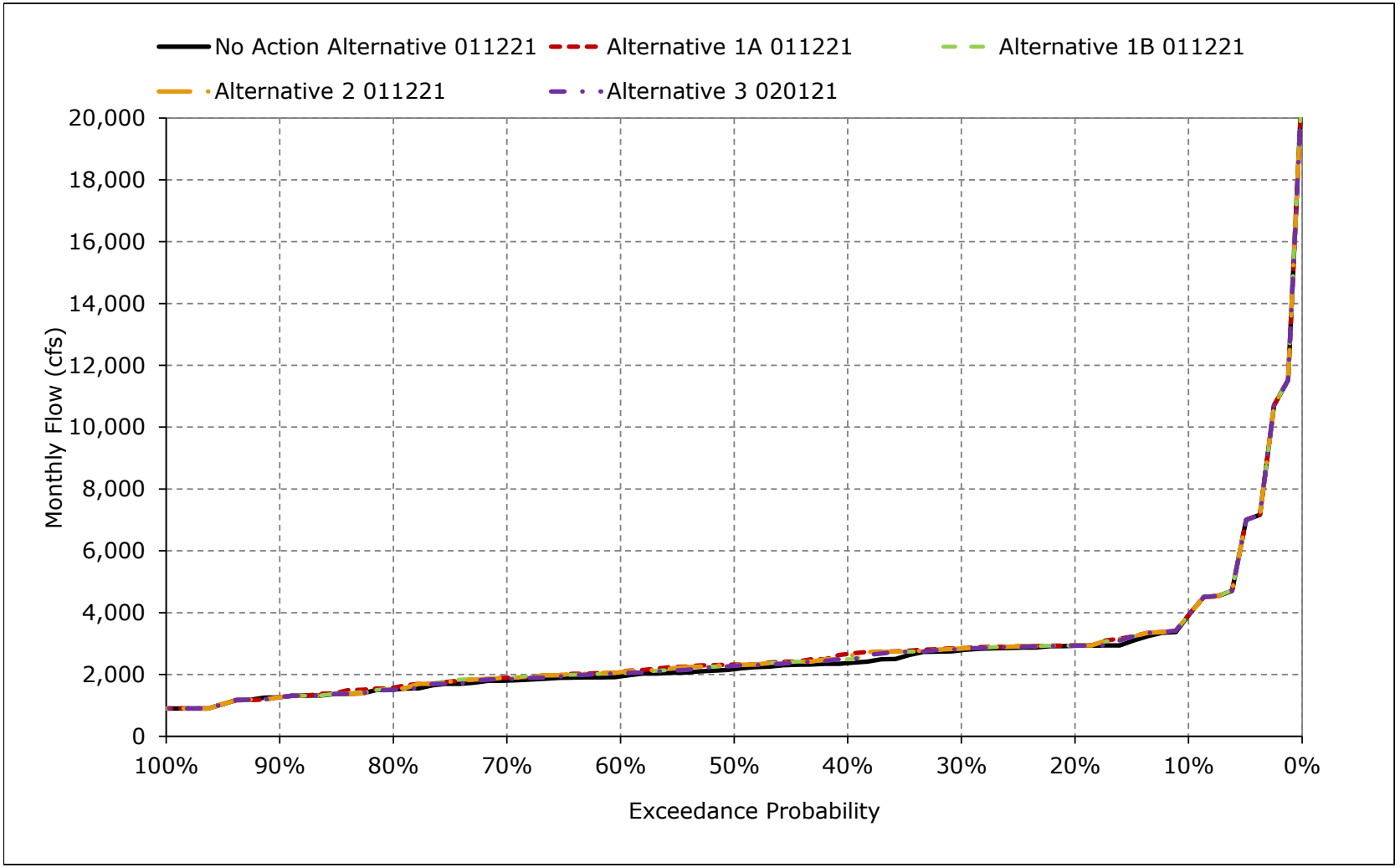


Figure 5B2-23-9. Feather River at Sacramento River Confluence Flow, December

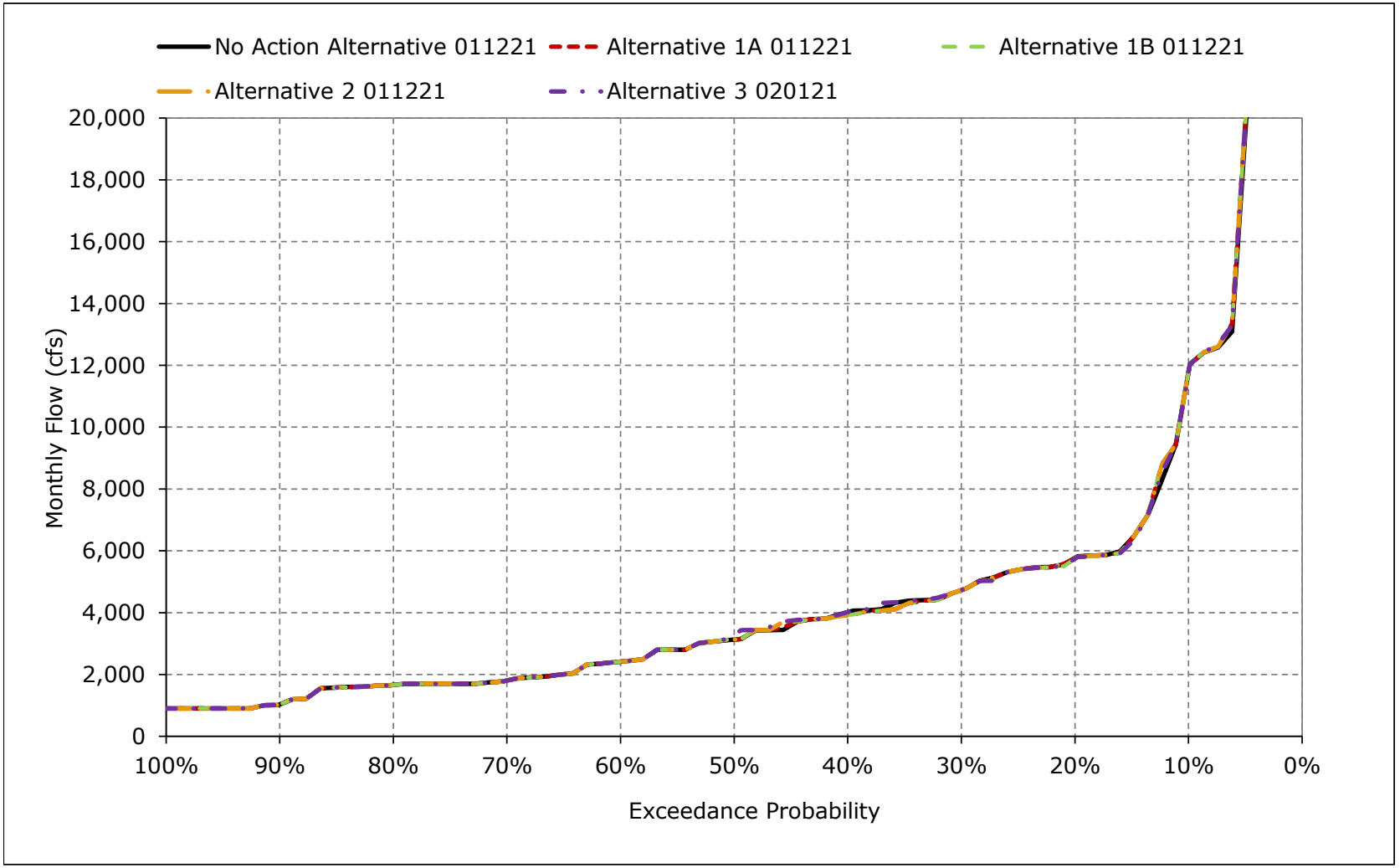


Figure 5B2-23-10. Feather River at Sacramento River Confluence Flow, January

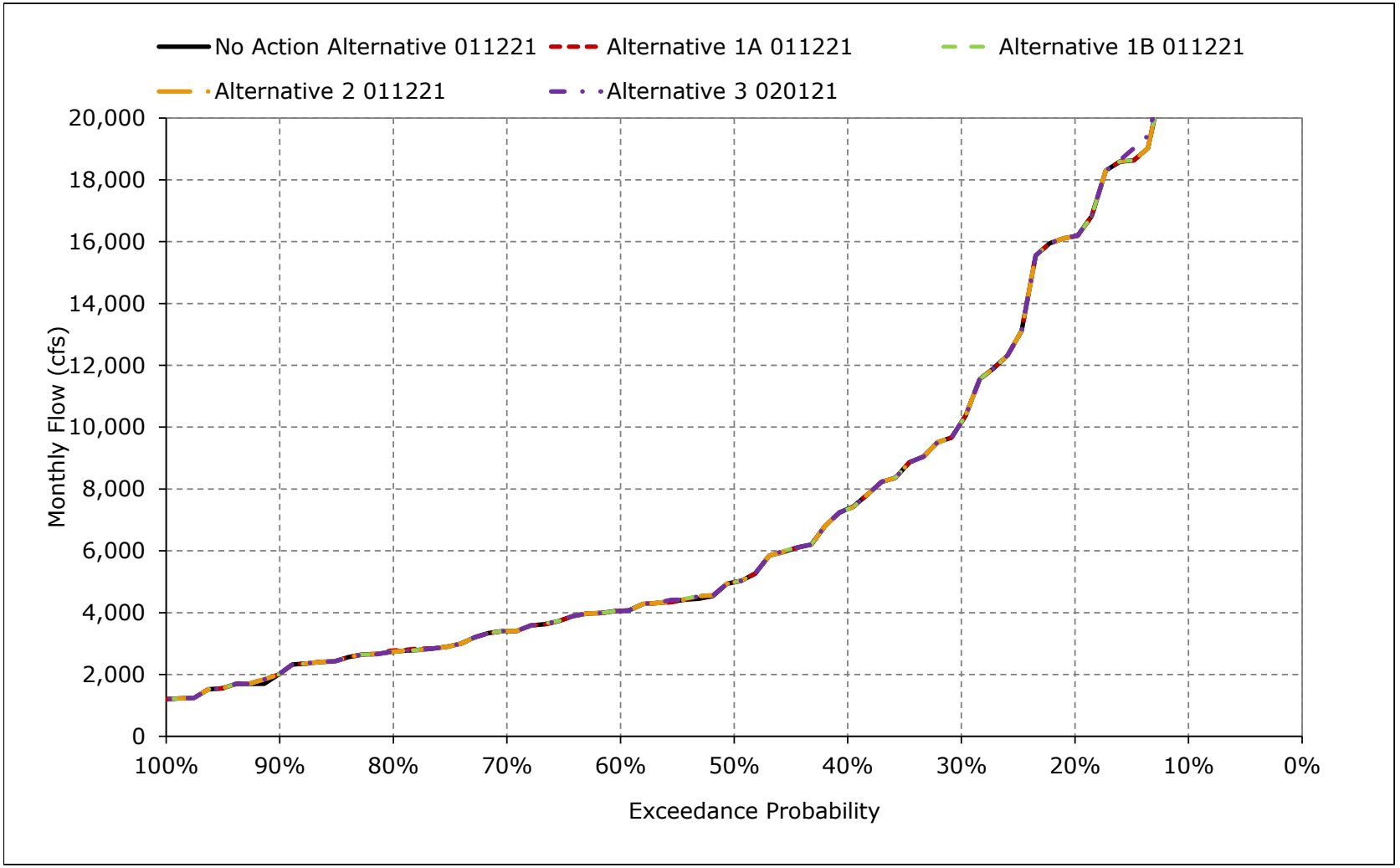


Figure 5B2-23-11. Feather River at Sacramento River Confluence Flow, February

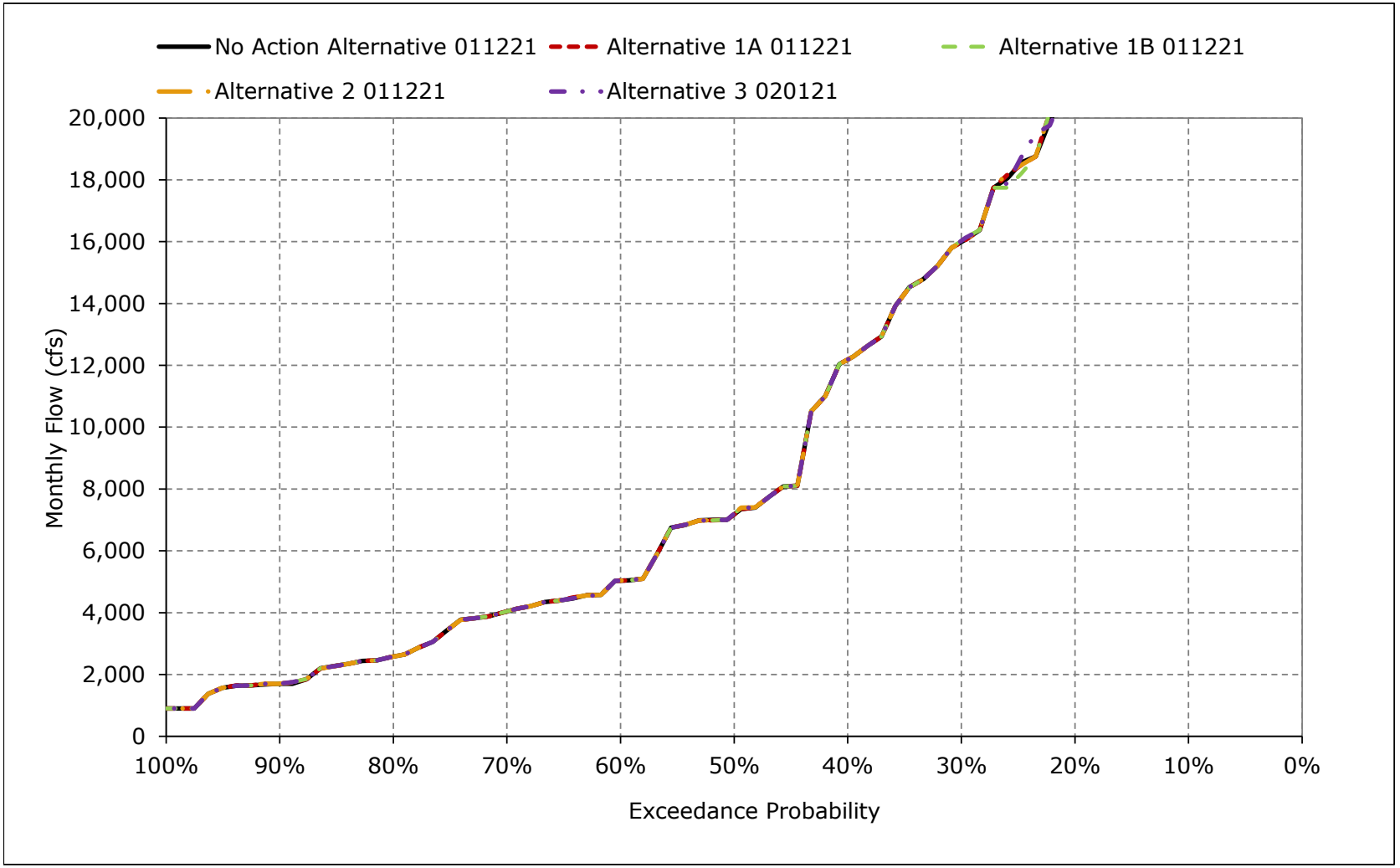


Figure 5B2-23-12. Feather River at Sacramento River Confluence Flow, March

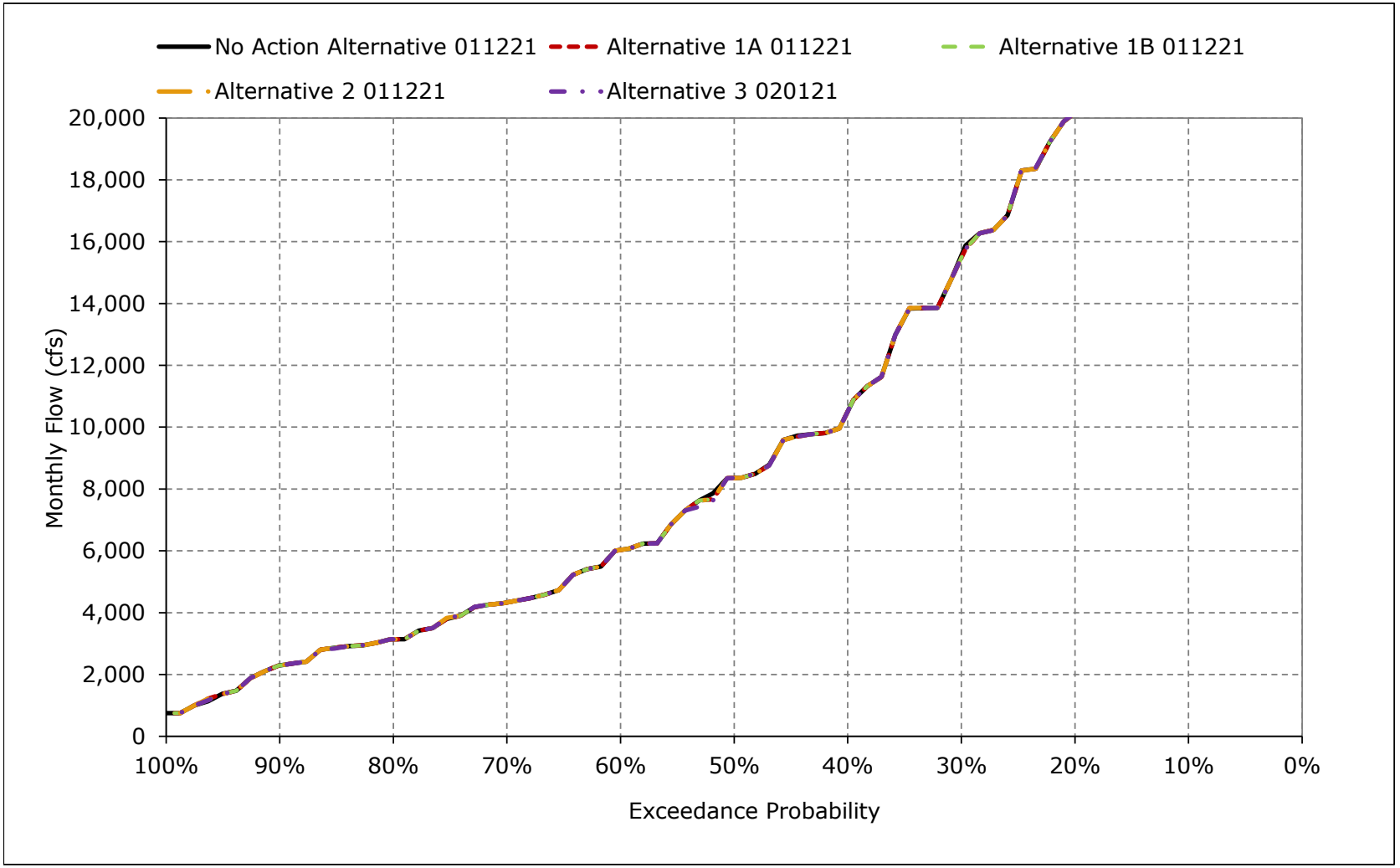


Figure 5B2-23-13. Feather River at Sacramento River Confluence Flow, April

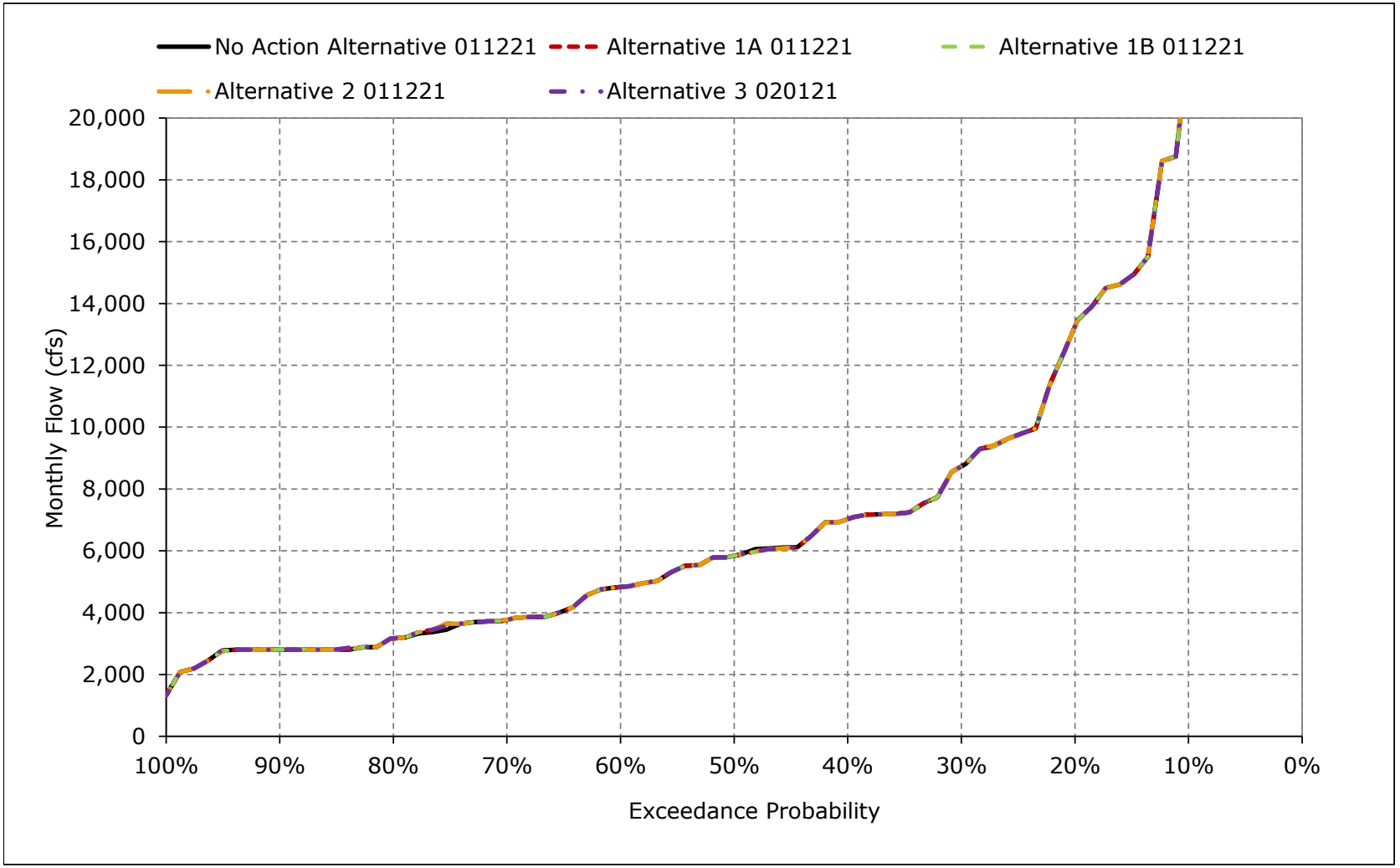


Figure 5B2-23-14. Feather River at Sacramento River Confluence Flow, May

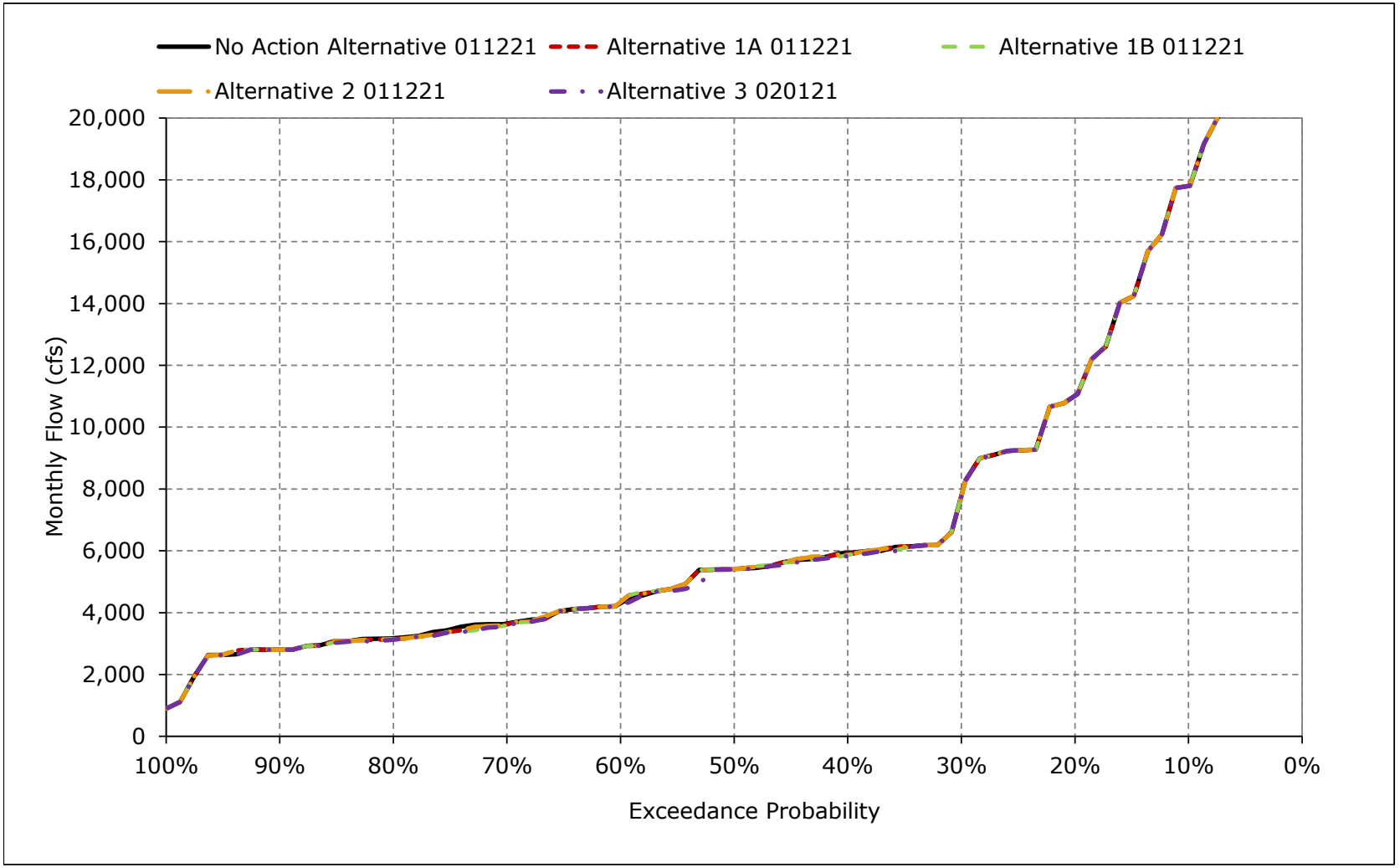


Figure 5B2-23-15. Feather River at Sacramento River Confluence Flow, June

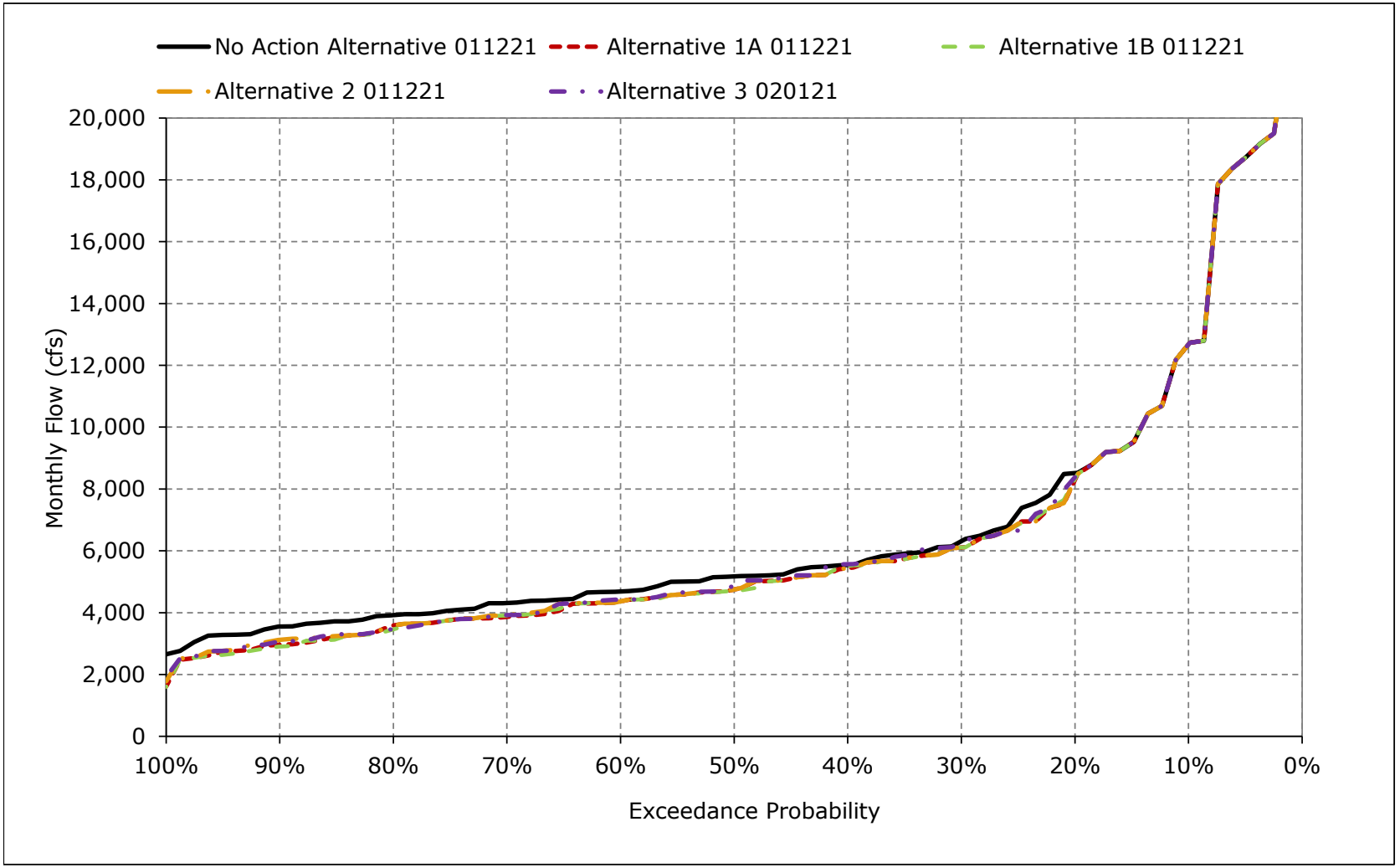


Figure 5B2-23-16. Feather River at Sacramento River Confluence Flow, July

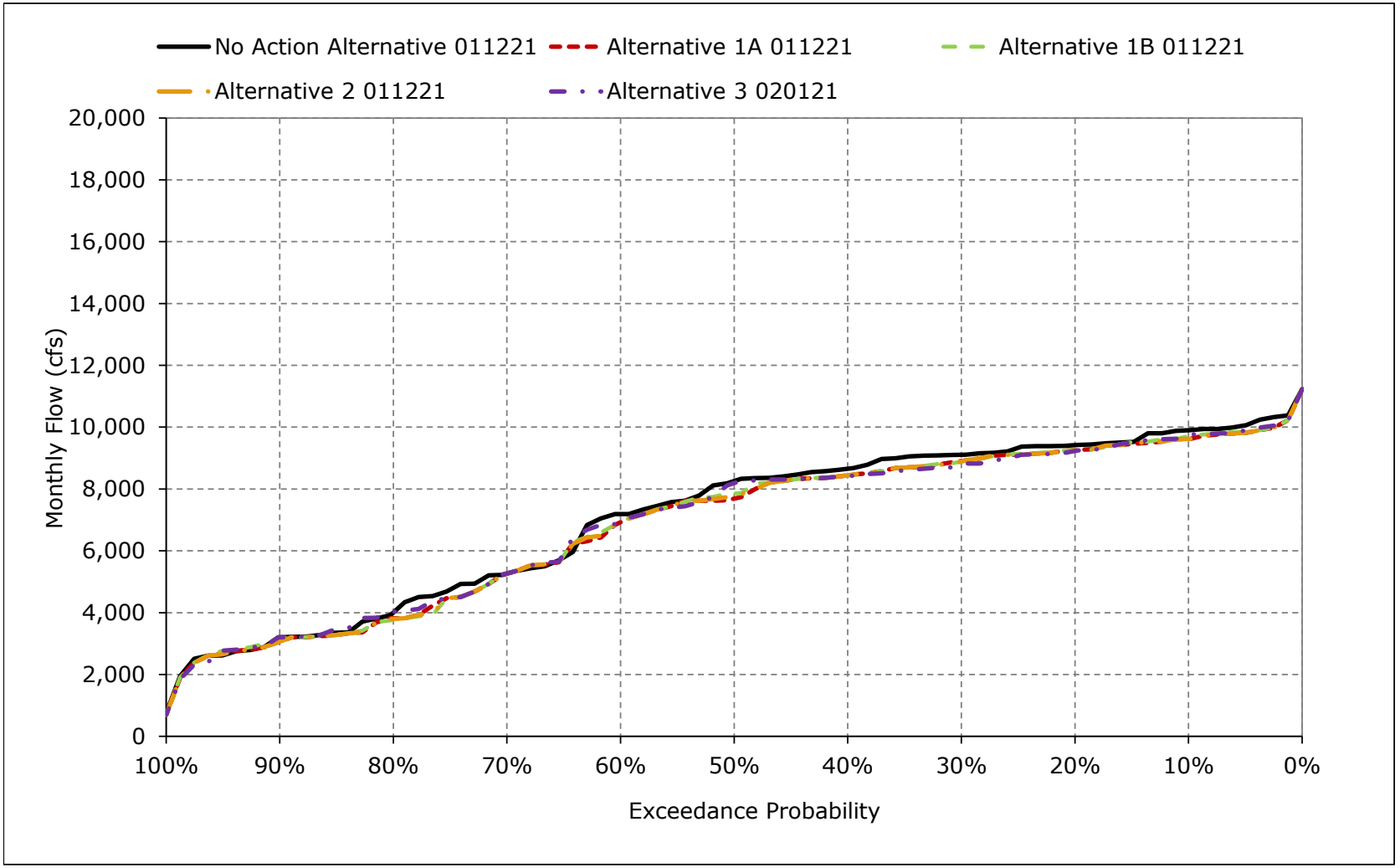


Figure 5B2-23-17. Feather River at Sacramento River Confluence Flow, August

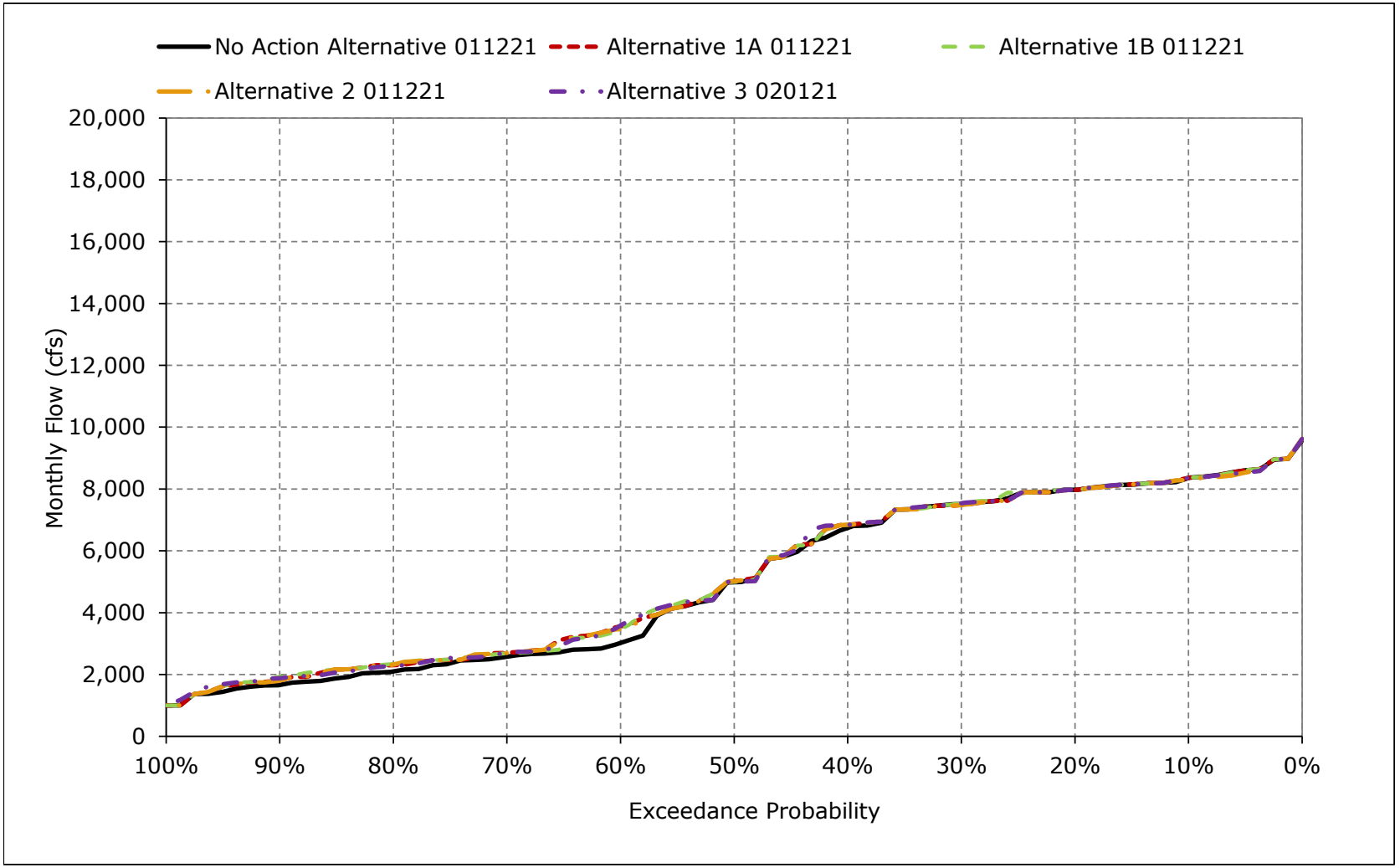


Figure 5B2-23-18. Feather River at Sacramento River Confluence Flow, September

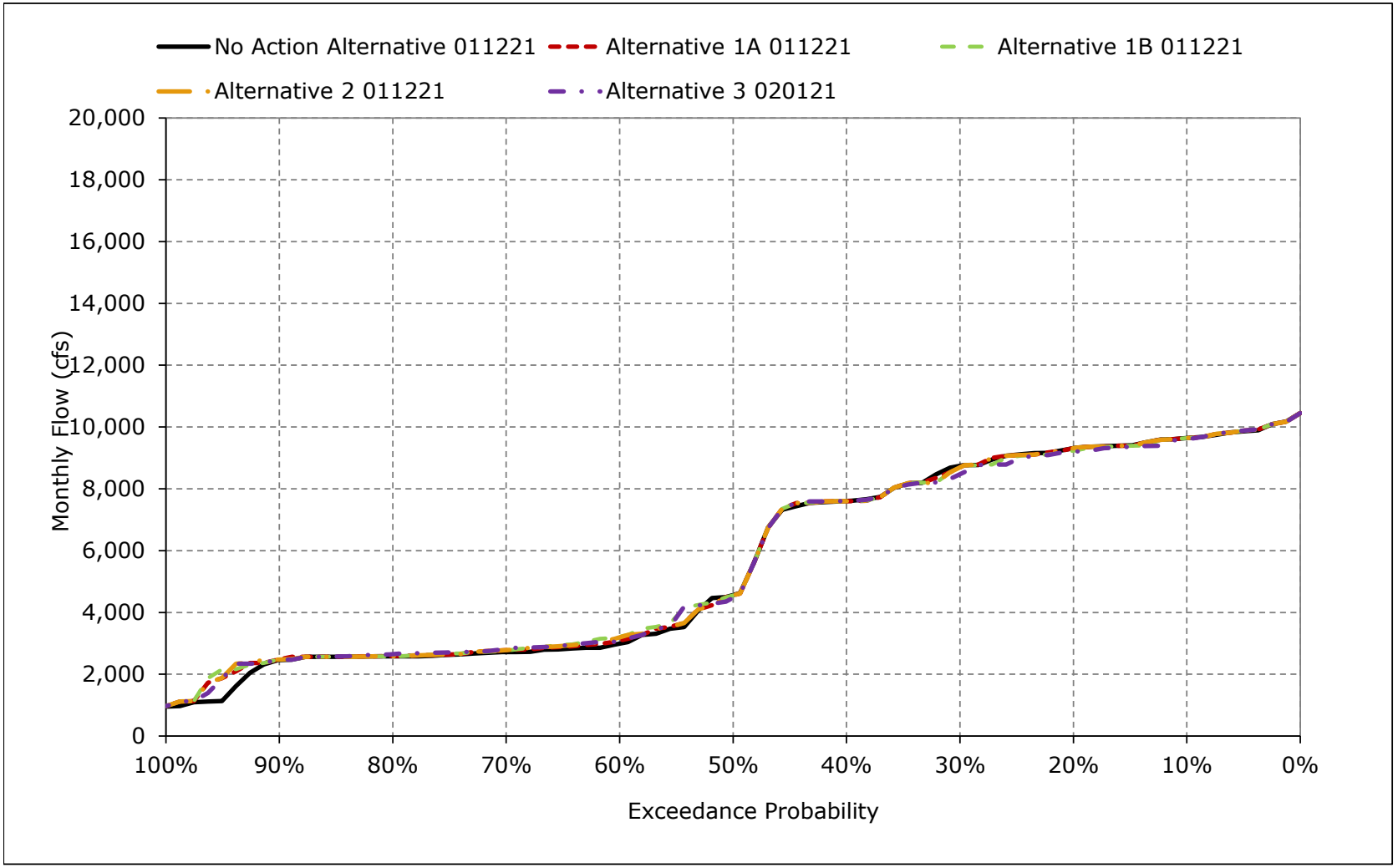


Table 5B2-24-1a. Folsom Lake Storage, No Action Alternative 011221, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	712	567	567	567	567	756	900	967	967	942	792	752
20%	696	567	567	567	567	756	900	967	967	940	792	744
30%	583	559	567	567	567	756	900	967	967	844	748	630
40%	546	543	564	567	567	756	900	967	967	732	663	585
50%	480	503	540	567	567	746	900	967	895	703	620	530
60%	443	464	516	567	567	697	887	967	841	627	539	477
70%	404	434	473	524	567	639	801	826	759	554	491	432
80%	386	407	425	467	493	585	662	703	642	510	441	407
90%	338	334	356	374	453	496	588	581	522	436	380	341
Long Term												
Full Simulation Period[a]	504	475	499	520	532	671	803	858	818	687	597	538
Water Year Types[b,c]												
Wet (32%)	648	544	541	567	567	751	897	966	951	864	746	691
Above Normal (15%)	482	455	483	555	567	748	896	967	919	725	632	532
Below Normal (17%)	491	485	494	542	553	677	857	925	884	672	602	520
Dry (22%)	447	475	509	476	514	627	759	800	721	593	509	468
Critical (15%)	314	338	415	427	426	482	509	524	496	426	362	334

Table 5B2-24-1b. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	698	567	567	567	567	756	900	967	967	940	792	745
30%	589	564	567	567	567	756	900	967	967	846	753	642
40%	549	543	564	567	567	756	900	967	967	749	673	588
50%	490	511	540	567	567	746	900	967	900	708	623	533
60%	462	468	512	566	567	687	890	967	834	627	550	493
70%	412	432	479	520	567	639	801	823	755	561	504	433
80%	384	397	408	475	492	594	662	703	654	513	451	413
90%	326	333	364	375	434	483	571	565	529	441	388	349
Long Term												
Full Simulation Period[a]	506	475	496	519	531	670	803	858	819	691	601	541
Water Year Types[b,c]												
Wet (32%)	651	544	542	567	567	751	897	966	953	867	749	694
Above Normal (15%)	484	456	484	555	567	748	896	967	923	729	636	534
Below Normal (17%)	493	485	495	540	552	676	857	925	882	676	606	523
Dry (22%)	458	476	505	477	513	629	762	801	722	599	522	481
Critical (15%)	302	328	399	415	420	472	503	520	495	425	356	327

Table 5B2-24-1c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	2	0	0	0	0	0	0	0	0	0	0	1
30%	6	5	0	0	0	0	0	0	0	3	5	11
40%	3	0	0	0	0	0	0	0	0	17	10	4
50%	9	8	-1	0	0	0	0	0	4	5	3	3
60%	19	4	-4	-1	0	-10	3	0	-7	0	11	16
70%	8	-2	5	-4	0	0	0	-3	-4	7	13	2
80%	-2	-9	-16	8	-1	9	0	0	12	3	9	6
90%	-12	-1	8	1	-19	-14	-17	-16	7	5	8	8
Long Term												
Full Simulation Period[a]	2	-1	-3	-2	-1	-1	0	0	1	3	4	3
Water Year Types[b,c]												
Wet (32%)	2	1	1	0	0	0	0	0	2	3	3	3
Above Normal (15%)	2	1	1	0	0	0	0	0	5	5	4	2
Below Normal (17%)	2	1	1	-2	-1	-1	0	0	-1	4	3	3
Dry (22%)	12	1	-4	1	-2	2	3	1	2	6	13	13
Critical (15%)	-12	-9	-16	-12	-6	-10	-5	-3	-1	0	-7	-7

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 5B2-24-2a. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	696	567	567	567	567	756	900	967	967	940	792	744
30%	583	559	567	567	567	756	900	967	967	844	748	630
40%	546	543	564	567	567	756	900	967	967	732	663	585
50%	480	503	540	567	567	746	900	967	895	703	620	530
60%	443	464	516	567	567	697	887	967	841	627	539	477
70%	404	434	473	524	567	639	801	826	759	554	491	432
80%	386	407	425	467	493	585	662	703	642	510	441	407
90%	338	334	356	374	453	496	588	581	522	436	380	341
Long Term												
Full Simulation Period[a]	504	475	499	520	532	671	803	858	818	687	597	538
Water Year Types[b,c]												
Wet (32%)	648	544	541	567	567	751	897	966	951	864	746	691
Above Normal (15%)	482	455	483	555	567	748	896	967	919	725	632	532
Below Normal (17%)	491	485	494	542	553	677	857	925	884	672	602	520
Dry (22%)	447	475	509	476	514	627	759	800	721	593	509	468
Critical (15%)	314	338	415	427	426	482	509	524	496	426	362	334

Table 5B2-24-2b. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	698	567	567	567	567	756	900	967	967	933	792	747
30%	595	564	567	567	567	756	900	967	967	847	758	642
40%	550	547	565	567	567	756	900	967	967	742	676	589
50%	501	511	541	567	567	746	900	967	902	716	637	545
60%	469	472	515	566	567	697	891	967	844	632	555	495
70%	418	434	486	527	567	639	806	829	772	575	512	443
80%	380	400	422	482	492	596	665	706	654	516	453	421
90%	330	349	375	377	441	484	568	569	539	436	377	350
Long Term												
Full Simulation Period[a]	511	479	500	521	532	671	805	860	821	692	605	547
Water Year Types[b,c]												
Wet (32%)	651	545	542	567	567	751	897	966	953	867	749	694
Above Normal (15%)	502	464	491	556	567	748	896	967	925	730	642	553
Below Normal (17%)	499	488	496	542	553	677	857	925	885	678	609	527
Dry (22%)	455	479	508	481	515	632	767	808	728	602	525	483
Critical (15%)	316	339	411	424	423	476	509	525	498	429	369	340

Table 5B2-24-2c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	2	0	0	0	0	0	0	0	0	-6	0	3
30%	12	5	0	0	0	0	0	0	0	3	10	12
40%	4	4	1	0	0	0	0	0	0	10	13	5
50%	21	8	1	0	0	0	0	0	6	13	17	15
60%	26	8	-2	-1	0	0	4	0	3	4	16	18
70%	14	0	13	3	0	0	4	3	13	21	21	12
80%	-6	-7	-3	15	-1	11	3	3	12	6	12	14
90%	-8	15	19	3	-12	-12	-20	-13	17	1	-3	9
Long Term												
Full Simulation Period[a]	7	4	1	1	0	0	2	2	4	5	8	9
Water Year Types[b,c]												
Wet (32%)	2	2	1	0	0	0	0	0	2	3	3	3
Above Normal (15%)	20	9	8	1	0	0	0	0	6	5	10	21
Below Normal (17%)	8	4	2	0	0	0	0	0	1	6	6	7
Dry (22%)	8	4	-1	5	1	6	8	9	8	9	15	15
Critical (15%)	1	2	-4	-3	-3	-5	0	1	2	4	7	7

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 5B2-24-3a. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	696	567	567	567	567	756	900	967	967	940	792	744
30%	583	559	567	567	567	756	900	967	967	844	748	630
40%	546	543	564	567	567	756	900	967	967	732	663	585
50%	480	503	540	567	567	746	900	967	895	703	620	530
60%	443	464	516	567	567	697	887	967	841	627	539	477
70%	404	434	473	524	567	639	801	826	759	554	491	432
80%	386	407	425	467	493	585	662	703	642	510	441	407
90%	338	334	356	374	453	496	588	581	522	436	380	341
Long Term												
Full Simulation Period[a]	504	475	499	520	532	671	803	858	818	687	597	538
Water Year Types[b,c]												
Wet (32%)	648	544	541	567	567	751	897	966	951	864	746	691
Above Normal (15%)	482	455	483	555	567	748	896	967	919	725	632	532
Below Normal (17%)	491	485	494	542	553	677	857	925	884	672	602	520
Dry (22%)	447	475	509	476	514	627	759	800	721	593	509	468
Critical (15%)	314	338	415	427	426	482	509	524	496	426	362	334

Table 5B2-24-3b. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	698	567	567	567	567	756	900	967	967	940	792	745
30%	590	563	567	567	567	756	900	967	967	846	750	642
40%	549	543	564	567	567	756	900	967	967	750	675	588
50%	489	511	540	567	567	746	900	967	900	708	623	533
60%	462	469	514	566	567	697	890	967	834	627	550	493
70%	412	432	482	524	567	639	801	823	755	561	504	433
80%	385	401	420	482	493	595	662	703	654	513	451	413
90%	330	342	372	375	434	483	571	565	529	440	388	349
Long Term												
Full Simulation Period[a]	508	476	498	520	531	670	803	858	819	691	602	543
Water Year Types[b,c]												
Wet (32%)	651	544	542	567	567	751	897	966	953	867	749	694
Above Normal (15%)	484	456	484	555	567	748	896	967	923	729	636	535
Below Normal (17%)	494	487	496	541	552	676	857	925	882	676	605	524
Dry (22%)	458	477	506	478	513	629	762	801	722	599	523	481
Critical (15%)	313	337	409	423	421	475	507	522	496	426	366	337

Table 5B2-24-3c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	2	0	0	0	0	0	0	0	0	0	0	1
30%	7	4	0	0	0	0	0	0	0	3	2	11
40%	3	0	0	0	0	0	0	0	0	18	11	4
50%	9	8	-1	0	0	0	0	0	4	5	3	3
60%	19	5	-3	-1	0	0	4	0	-7	-1	11	16
70%	8	-2	9	0	0	0	0	-3	-4	7	13	2
80%	-1	-6	-5	14	-1	10	0	0	12	3	9	6
90%	-9	9	17	1	-19	-14	-17	-16	7	5	7	8
Long Term												
Full Simulation Period[a]	4	1	-1	0	-1	-1	0	0	1	4	5	5
Water Year Types[b,c]												
Wet (32%)	2	1	1	0	0	0	0	0	2	3	3	3
Above Normal (15%)	2	1	1	0	0	0	0	0	5	4	3	3
Below Normal (17%)	3	2	3	-1	0	0	0	0	-1	4	3	4
Dry (22%)	12	1	-3	3	-1	2	3	2	2	6	13	13
Critical (15%)	-2	-1	-5	-4	-5	-7	-2	-1	0	0	4	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.

Table 5B2-24-4a. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	696	567	567	567	567	756	900	967	967	940	792	744
30%	583	559	567	567	567	756	900	967	967	844	748	630
40%	546	543	564	567	567	756	900	967	967	732	663	585
50%	480	503	540	567	567	746	900	967	895	703	620	530
60%	443	464	516	567	567	697	887	967	841	627	539	477
70%	404	434	473	524	567	639	801	826	759	554	491	432
80%	386	407	425	467	493	585	662	703	642	510	441	407
90%	338	334	356	374	453	496	588	581	522	436	380	341
Long Term												
Full Simulation Period[a]	504	475	499	520	532	671	803	858	818	687	597	538
Water Year Types[b,c]												
Wet (32%)	648	544	541	567	567	751	897	966	951	864	746	691
Above Normal (15%)	482	455	483	555	567	748	896	967	919	725	632	532
Below Normal (17%)	491	485	494	542	553	677	857	925	884	672	602	520
Dry (22%)	447	475	509	476	514	627	759	800	721	593	509	468
Critical (15%)	314	338	415	427	426	482	509	524	496	426	362	334

Table 5B2-24-4b. Folsom Lake 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%	712	567	567	567	567	756	900	967	967	942	792	752
20%	699	567	567	567	567	756	900	967	967	933	792	747
30%	611	566	567	567	567	756	900	967	967	851	776	651
40%	557	552	567	567	567	756	900	967	967	771	694	599
50%	521	534	553	567	567	751	900	967	910	735	653	579
60%	481	509	533	567	567	697	891	967	853	682	583	518
70%	444	449	502	528	567	639	810	831	773	602	524	467
80%	400	420	424	477	525	607	685	729	678	537	475	436
90%	349	346	382	404	450	507	598	590	553	462	404	390
Long Term												
Full Simulation Period[a]	527	491	508	525	538	676	807	864	828	711	619	562
Water Year Types[b,c]												
Wet (32%)	651	545	542	567	567	751	897	966	953	867	749	694
Above Normal (15%)	540	488	511	556	567	748	896	967	928	771	674	595
Below Normal (17%)	529	514	513	541	552	676	857	925	889	716	645	559
Dry (22%)	477	502	521	500	534	647	777	822	751	630	549	507
Critical (15%)	315	332	408	423	432	486	511	530	502	430	357	328

Table 5B2-24-4c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	3	0	0	0	0	0	0	0	0	-6	0	3
30%	29	7	0	0	0	0	0	0	0	8	28	21
40%	11	9	3	0	0	0	0	0	0	39	31	15
50%	41	31	13	0	0	5	0	0	15	31	33	49
60%	38	45	16	0	0	0	4	0	12	55	44	41
70%	40	15	28	4	0	0	8	6	14	48	33	36
80%	14	14	-1	9	31	22	23	26	37	27	34	29
90%	11	12	26	30	-3	10	10	8	30	26	24	48
Long Term												
Full Simulation Period[a]	23	15	9	5	5	5	4	6	10	24	22	24
Water Year Types[b,c]												
Wet (32%)	3	1	1	0	0	0	0	0	2	3	3	3
Above Normal (15%)	58	33	28	1	0	0	0	0	9	46	41	63
Below Normal (17%)	39	30	19	0	-1	-1	0	0	5	44	42	39
Dry (22%)	30	27	12	25	20	20	18	23	30	37	39	39
Critical (15%)	1	-6	-6	-4	6	4	2	6	5	4	-5	-6

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 5B2-24-1. Folsom Lake Storage, October

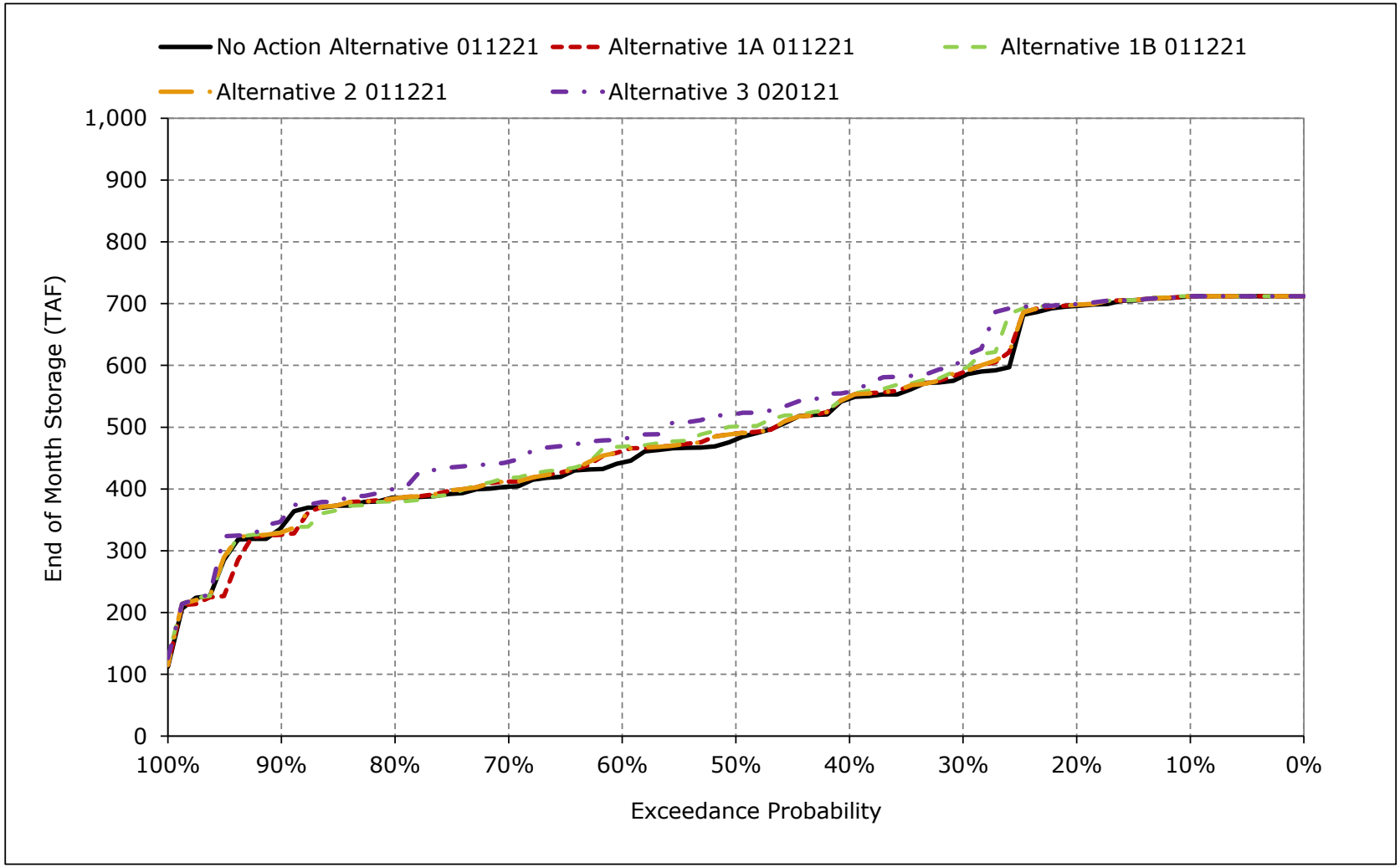


Figure 5B2-24-2. Folsom Lake Storage, November

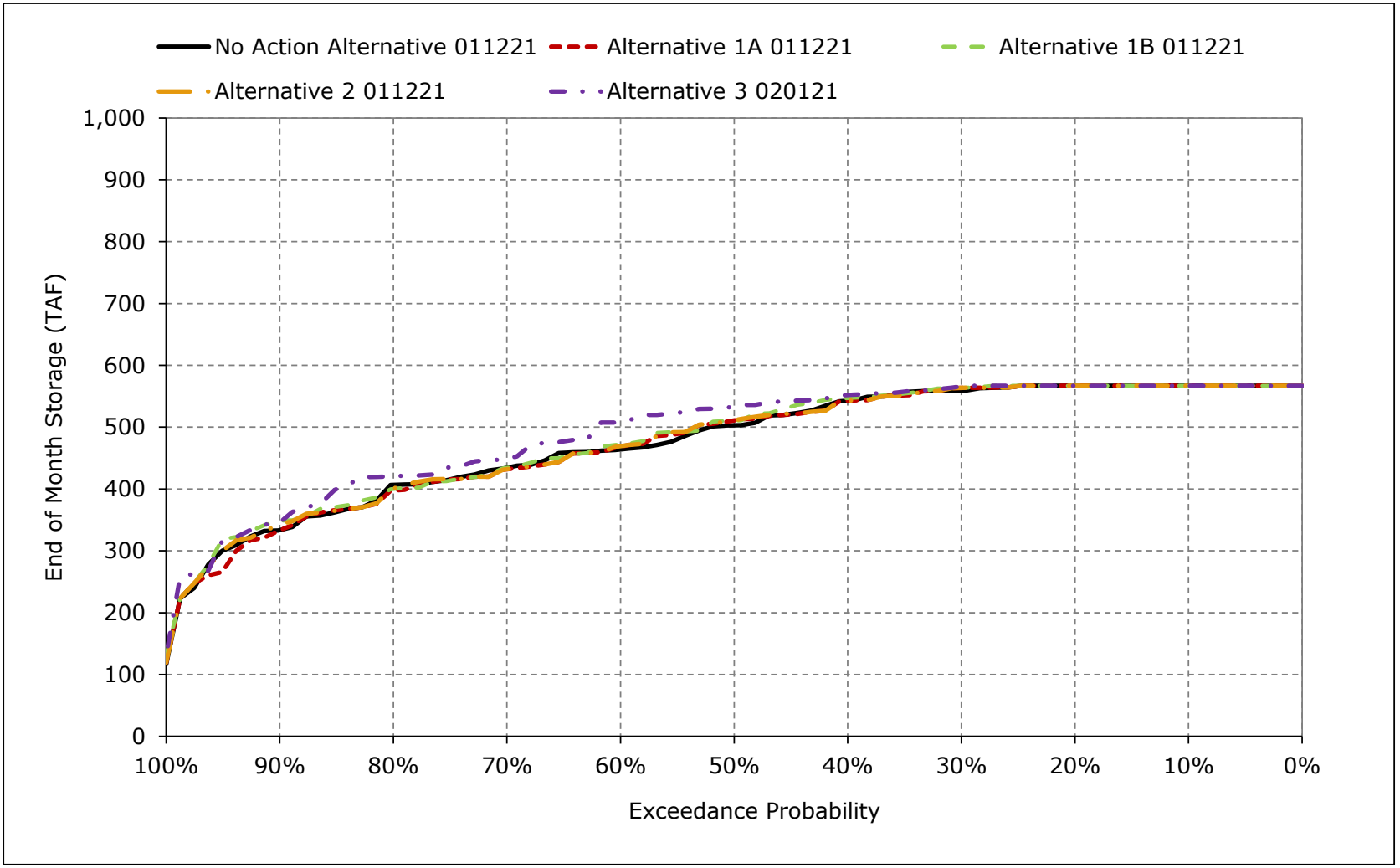


Figure 5B2-24-3. Folsom Lake Storage, December

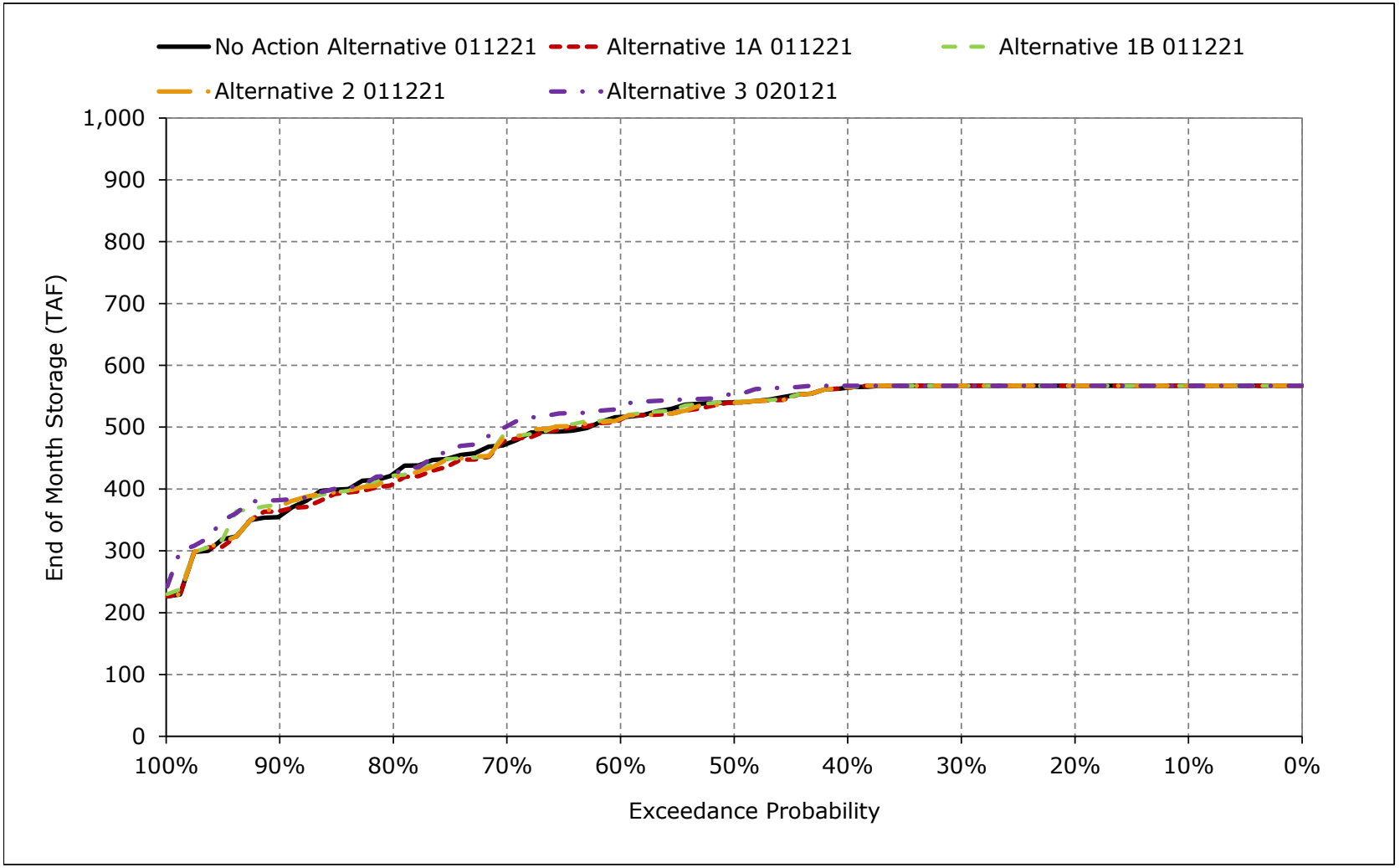


Figure 5B2-24-4. Folsom Lake Storage, January

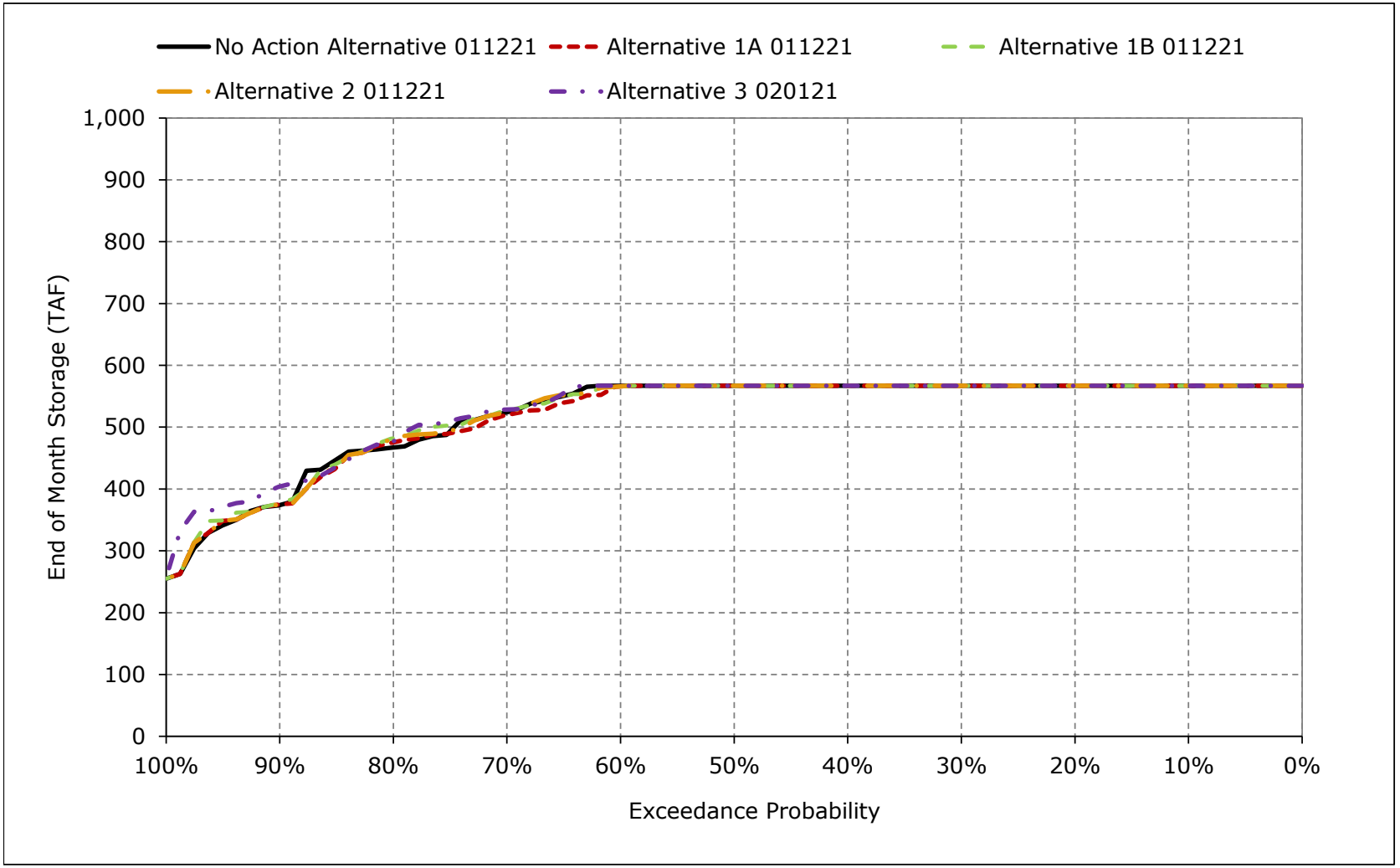


Figure 5B2-24-5. Folsom Lake Storage, February

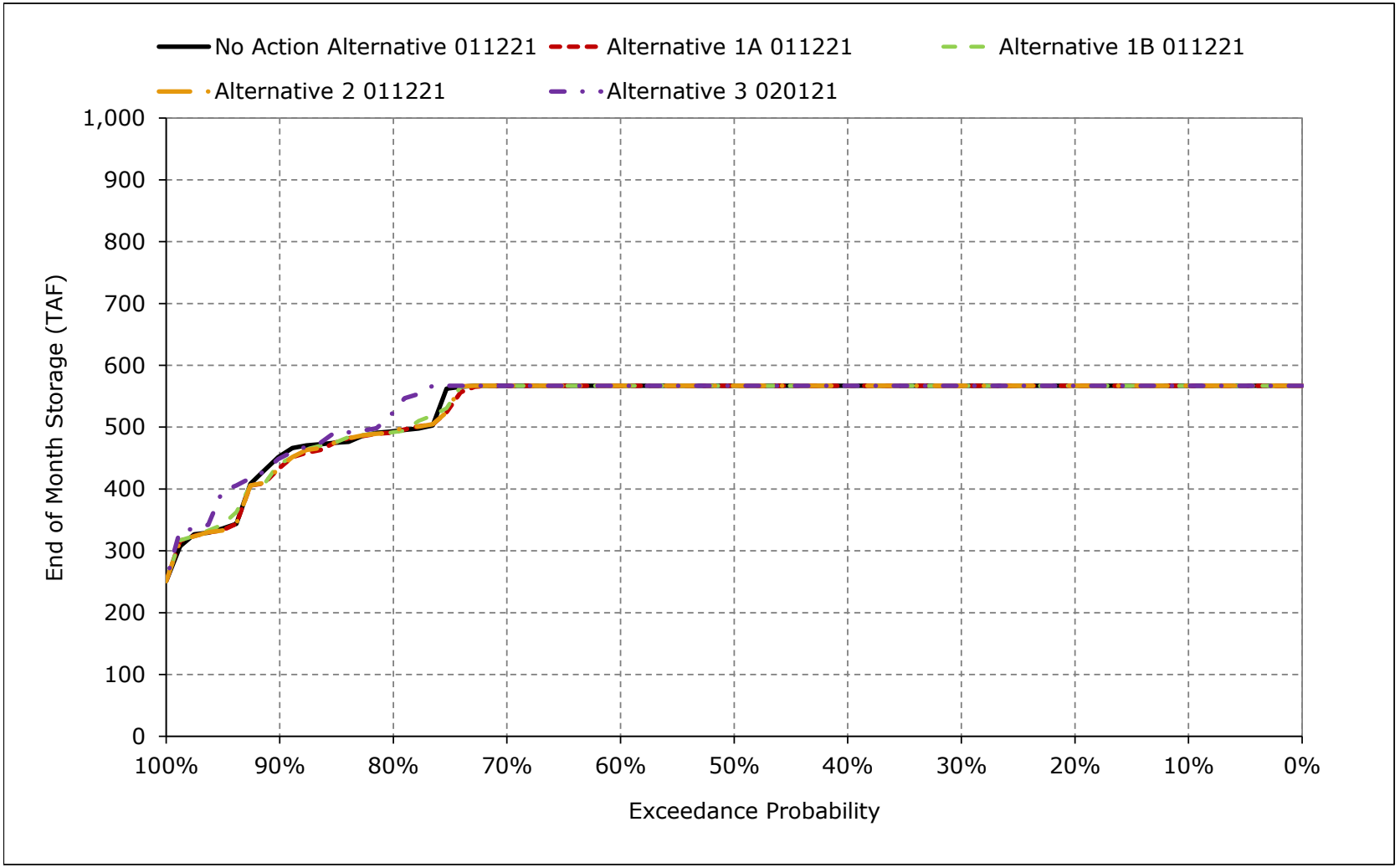


Figure 5B2-24-6. Folsom Lake Storage, March

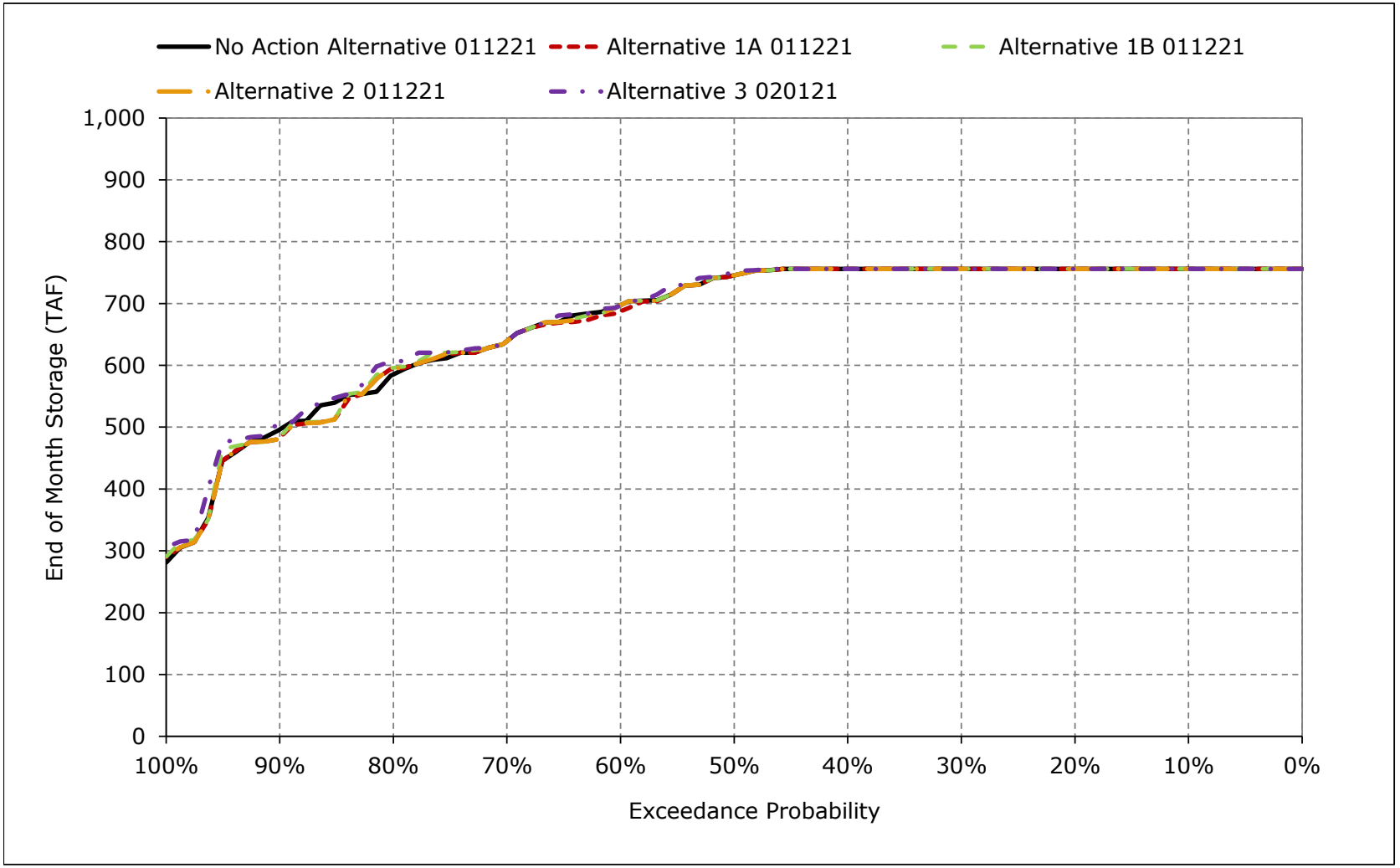


Figure 5B2-24-7. Folsom Lake Storage, April

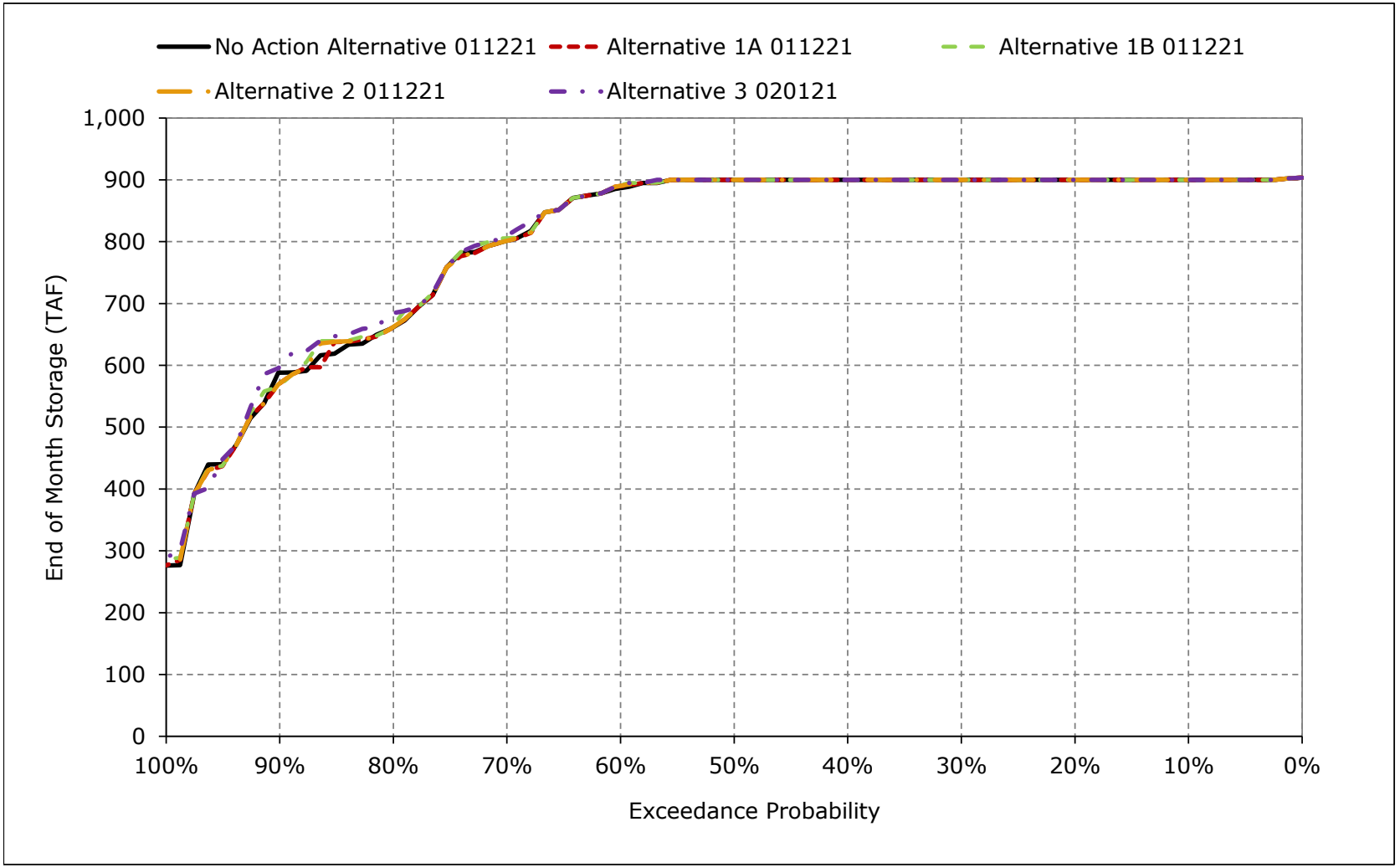


Figure 5B2-24-8. Folsom Lake Storage, May

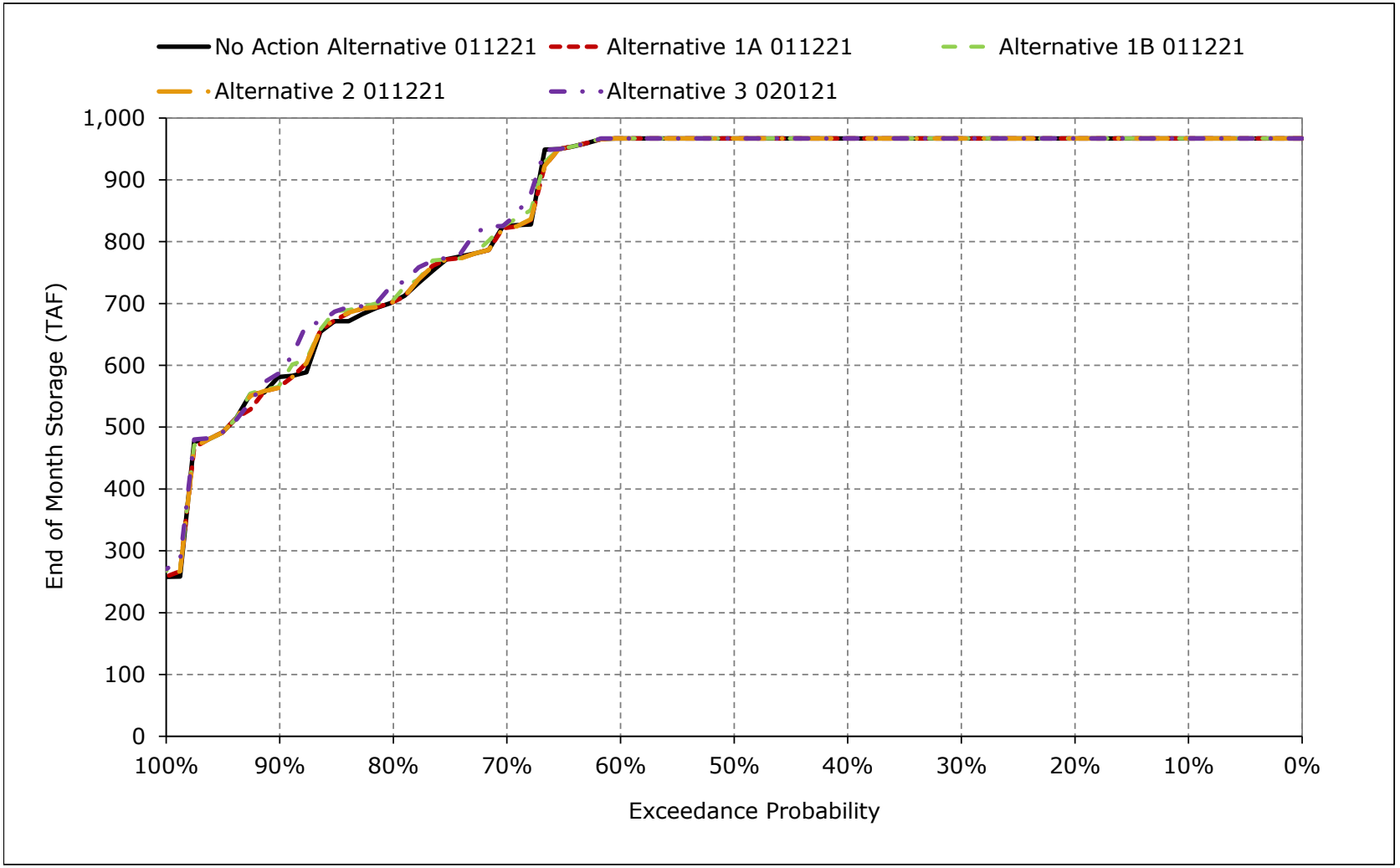


Figure 5B2-24-9. Folsom Lake Storage, June

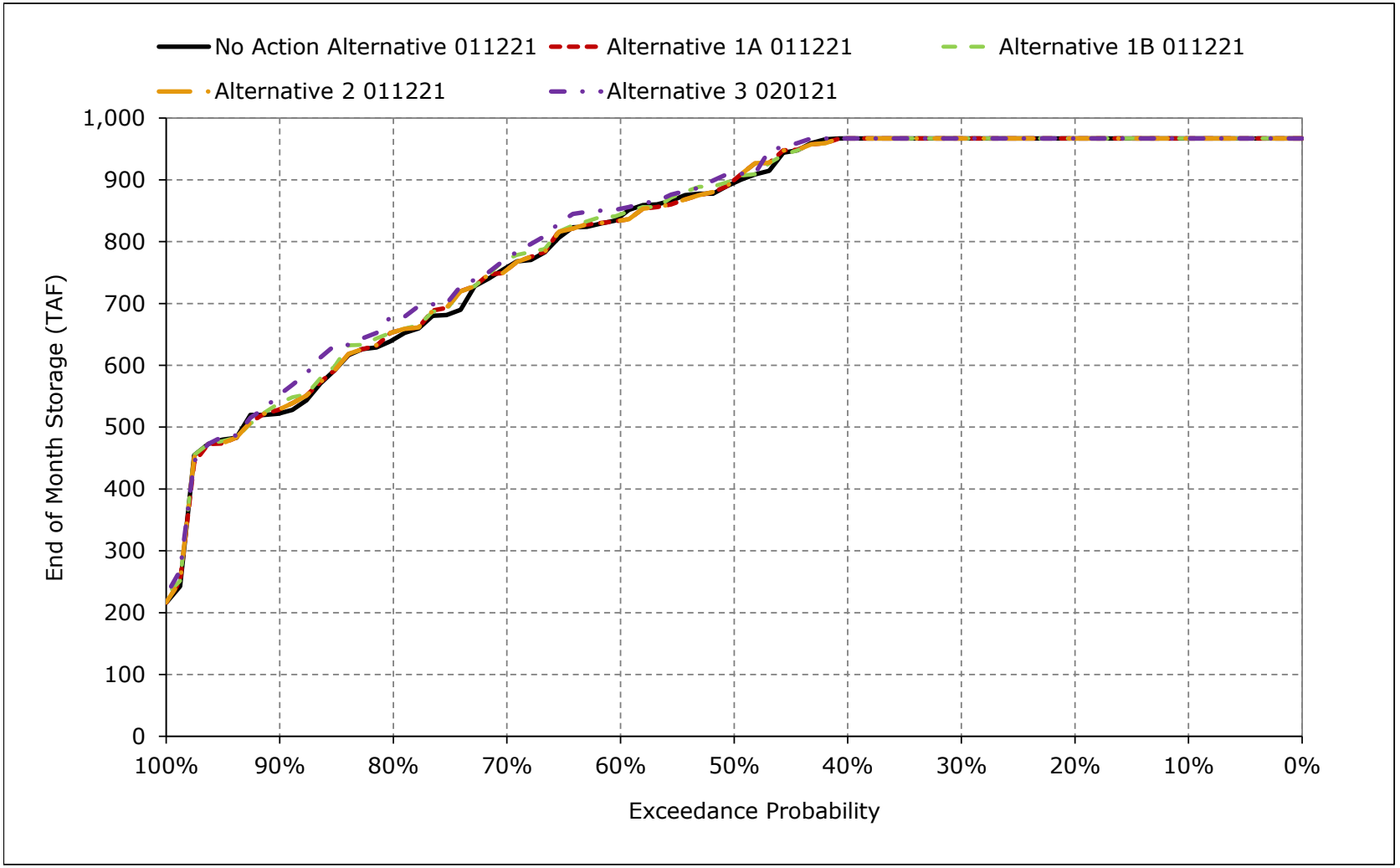


Figure 5B2-24-10. Folsom Lake Storage, July

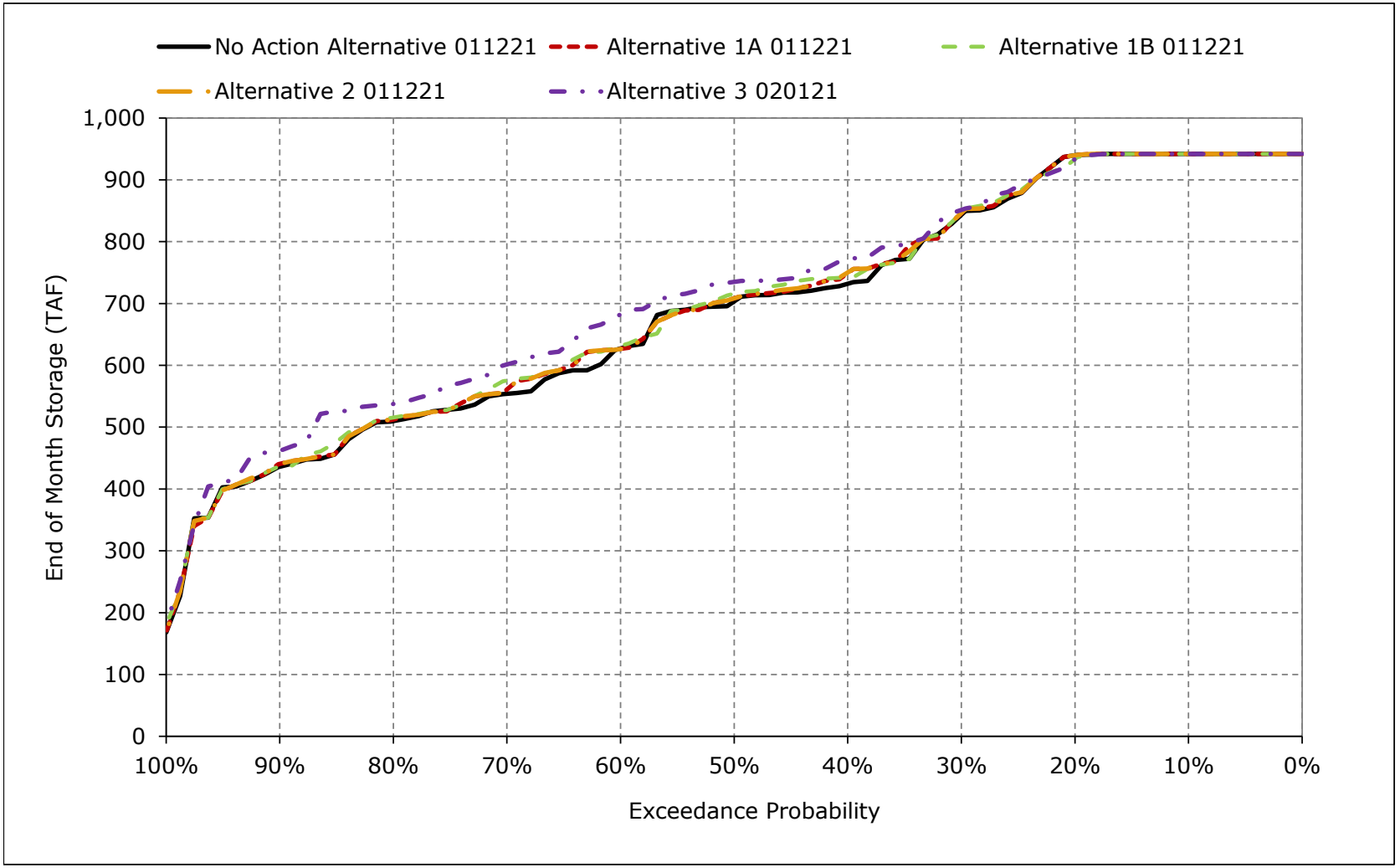


Figure 5B2-24-11. Folsom Lake Storage, August

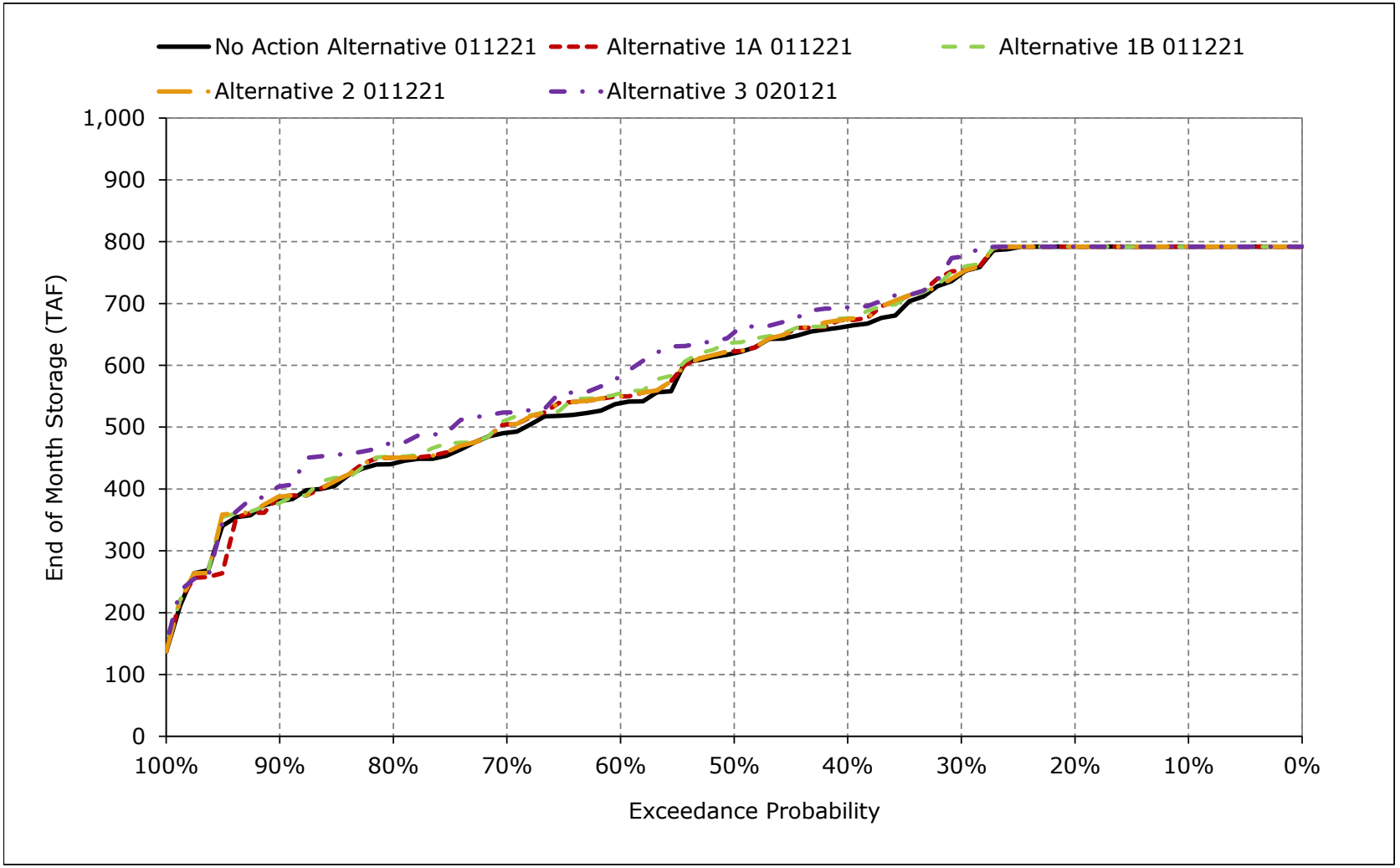


Figure 5B2-24-12. Folsom Lake Storage, September

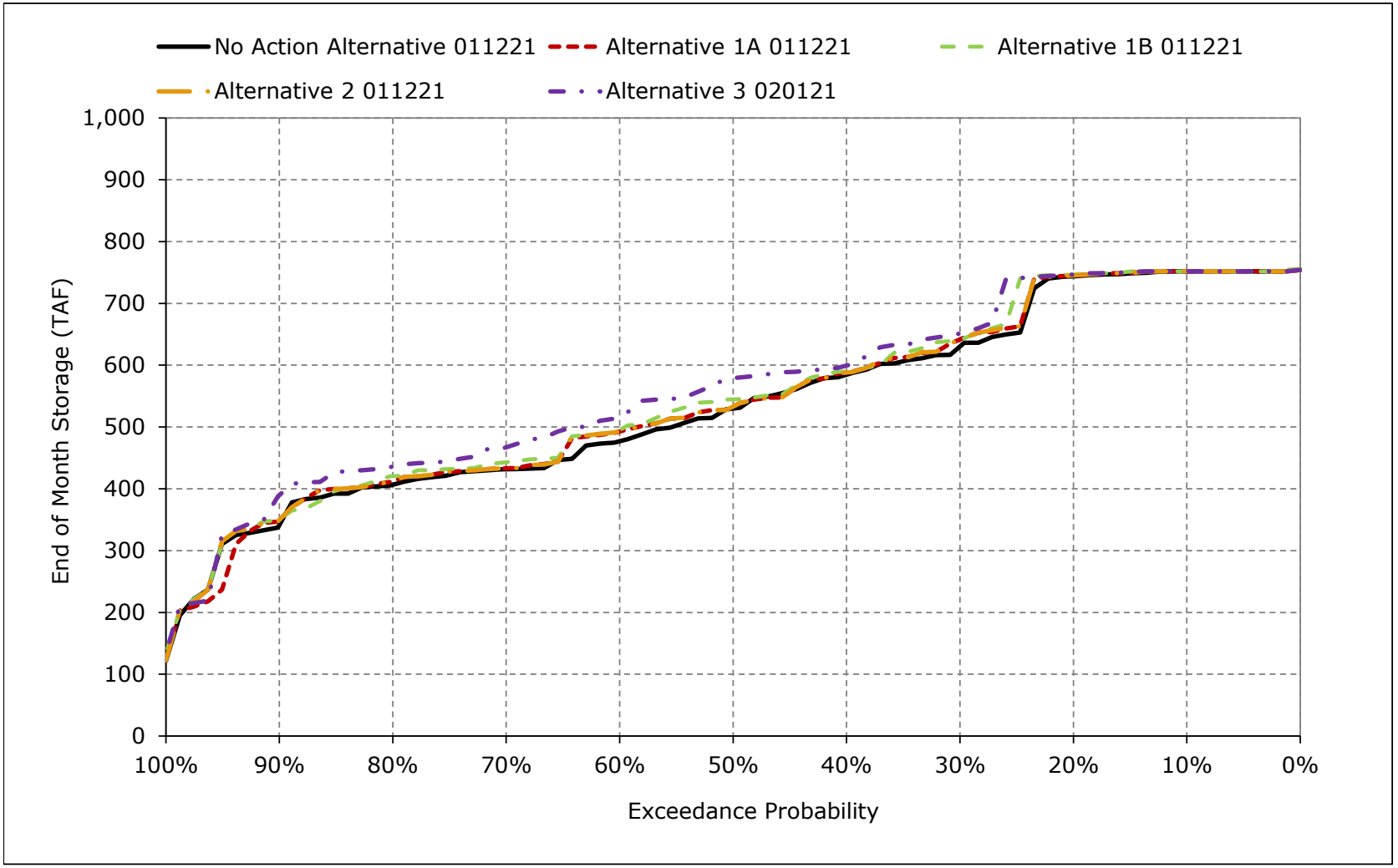


Table 5B2-25-1a. Folsom Lake Elevation, No Action Alternative 011221, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	426	423	424	424	424	446	460	466	466	454	445	432
40%	422	421	424	424	424	446	460	466	466	443	436	427
50%	414	416	421	424	424	444	460	466	459	440	431	420
60%	409	412	418	424	424	440	458	466	454	432	421	413
70%	404	408	413	419	424	433	450	452	446	423	415	407
80%	402	404	407	412	415	427	436	440	434	417	409	404
90%	394	393	397	400	410	416	427	426	419	408	401	395
Long Term												
Full Simulation Period[a]	415	412	415	418	420	436	449	455	450	436	426	419
Water Year Types[b,c]												
Wet (32%)	434	421	421	424	424	445	459	466	465	456	444	438
Above Normal (15%)	414	410	413	423	424	445	459	466	461	441	432	420
Below Normal (17%)	414	413	414	421	423	437	455	462	458	436	428	418
Dry (22%)	409	413	417	412	418	431	445	449	441	427	417	412
Critical (15%)	388	392	404	406	406	413	416	418	414	404	396	391

Table 5B2-25-1b. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	427	424	424	424	424	446	460	466	466	454	445	434
40%	422	421	424	424	424	446	460	466	466	445	437	427
50%	415	417	421	424	424	444	460	466	459	441	431	420
60%	411	412	418	424	424	439	459	466	453	432	422	415
70%	405	408	413	418	424	433	450	452	445	424	417	408
80%	402	403	405	413	415	428	436	440	435	418	410	405
90%	392	393	398	400	408	414	425	424	420	409	402	396
Long Term												
Full Simulation Period[a]	416	412	415	418	420	436	449	455	451	437	427	420
Water Year Types[b,c]												
Wet (32%)	434	422	421	424	424	445	459	466	465	456	444	439
Above Normal (15%)	414	410	414	423	424	445	459	466	462	442	432	420
Below Normal (17%)	414	413	415	421	422	437	455	462	458	436	428	418
Dry (22%)	411	413	417	413	417	432	446	450	442	428	419	414
Critical (15%)	386	390	402	405	405	412	415	417	414	404	394	389

Table 5B2-25-1c. Folsom Lake 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%	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%	1	1	0	0	0	0	0	0	0	0	1	1
40%	0	0	0	0	0	0	0	0	0	2	1	0
50%	1	1	0	0	0	0	0	0	0	0	0	0
60%	2	1	-1	0	0	-1	0	0	-1	0	1	2
70%	1	0	1	-1	0	0	0	0	0	1	2	0
80%	0	-1	-2	1	0	1	0	0	1	0	1	1
90%	-2	0	1	0	-2	-2	-2	-2	1	1	1	1
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	1	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	1	0	0	0	0	0	0	0	0	1	2	2
Critical (15%)	-2	-1	-2	-1	-1	-1	-1	0	0	0	-1	-1

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 5B2-25-2a. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	426	423	424	424	424	446	460	466	466	454	445	432
40%	422	421	424	424	424	446	460	466	466	443	436	427
50%	414	416	421	424	424	444	460	466	459	440	431	420
60%	409	412	418	424	424	440	458	466	454	432	421	413
70%	404	408	413	419	424	433	450	452	446	423	415	407
80%	402	404	407	412	415	427	436	440	434	417	409	404
90%	394	393	397	400	410	416	427	426	419	408	401	395
Long Term												
Full Simulation Period[a]	415	412	415	418	420	436	449	455	450	436	426	419
Water Year Types[b,c]												
Wet (32%)	434	421	421	424	424	445	459	466	465	456	444	438
Above Normal (15%)	414	410	413	423	424	445	459	466	461	441	432	420
Below Normal (17%)	414	413	414	421	423	437	455	462	458	436	428	418
Dry (22%)	409	413	417	412	418	431	445	449	441	427	417	412
Critical (15%)	388	392	404	406	406	413	416	418	414	404	396	391

Table 5B2-25-2b. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	445
30%	428	424	424	424	424	446	460	466	466	454	446	434
40%	422	422	424	424	424	446	460	466	466	444	438	427
50%	416	417	421	424	424	444	460	466	460	442	433	422
60%	412	413	418	424	424	440	459	466	454	432	423	415
70%	406	408	414	419	424	433	450	453	447	425	418	409
80%	401	404	406	414	415	428	436	441	435	418	410	406
90%	393	396	400	401	409	414	424	425	421	408	401	396
Long Term												
Full Simulation Period[a]	416	413	416	418	420	436	449	455	451	437	427	421
Water Year Types[b,c]												
Wet (32%)	434	422	421	424	424	445	459	466	465	456	444	439
Above Normal (15%)	416	411	415	423	424	445	459	466	462	442	433	422
Below Normal (17%)	415	414	415	421	423	437	455	462	458	436	428	419
Dry (22%)	410	413	417	413	418	432	446	450	442	428	419	414
Critical (15%)	389	393	404	406	405	412	416	418	414	405	397	392

Table 5B2-25-2c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	-1	0	0
30%	2	1	0	0	0	0	0	0	0	0	1	1
40%	1	1	0	0	0	0	0	0	0	1	1	1
50%	3	1	0	0	0	0	0	0	1	1	2	2
60%	3	1	0	0	0	0	0	0	0	1	2	2
70%	2	0	2	0	0	0	0	0	1	3	3	1
80%	-1	-1	0	2	0	1	0	0	1	1	1	2
90%	-1	3	3	1	-2	-2	-3	-2	2	0	0	1
Long Term												
Full Simulation Period[a]	1	1	0	0	0	0	0	0	0	1	1	1
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	2	1	1	0	0	0	0	0	1	1	1	2
Below Normal (17%)	1	0	0	0	0	0	0	0	0	1	1	1
Dry (22%)	1	1	0	1	0	1	1	1	1	1	2	2
Critical (15%)	1	1	0	0	0	-1	0	0	0	1	1	1

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 5B2-25-3a. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	426	423	424	424	424	446	460	466	466	454	445	432
40%	422	421	424	424	424	446	460	466	466	443	436	427
50%	414	416	421	424	424	444	460	466	459	440	431	420
60%	409	412	418	424	424	440	458	466	454	432	421	413
70%	404	408	413	419	424	433	450	452	446	423	415	407
80%	402	404	407	412	415	427	436	440	434	417	409	404
90%	394	393	397	400	410	416	427	426	419	408	401	395
Long Term												
Full Simulation Period[a]	415	412	415	418	420	436	449	455	450	436	426	419
Water Year Types[b,c]												
Wet (32%)	434	421	421	424	424	445	459	466	465	456	444	438
Above Normal (15%)	414	410	413	423	424	445	459	466	461	441	432	420
Below Normal (17%)	414	413	414	421	423	437	455	462	458	436	428	418
Dry (22%)	409	413	417	412	418	431	445	449	441	427	417	412
Critical (15%)	388	392	404	406	406	413	416	418	414	404	396	391

Table 5B2-25-3b. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	427	424	424	424	424	446	460	466	466	454	445	434
40%	422	421	424	424	424	446	460	466	466	445	438	427
50%	415	417	421	424	424	444	460	466	459	441	431	420
60%	411	412	418	424	424	440	459	466	453	432	422	415
70%	405	408	414	419	424	433	450	452	445	424	417	408
80%	402	404	406	414	415	428	436	440	435	418	410	405
90%	393	395	400	400	408	414	425	424	420	409	402	396
Long Term												
Full Simulation Period[a]	416	412	415	418	420	436	449	455	451	437	427	420
Water Year Types[b,c]												
Wet (32%)	434	422	421	424	424	445	459	466	465	456	444	439
Above Normal (15%)	414	410	414	423	424	445	459	466	462	442	432	420
Below Normal (17%)	414	414	415	421	423	437	455	462	458	436	428	418
Dry (22%)	411	413	417	413	418	432	446	450	442	428	419	414
Critical (15%)	388	392	404	406	405	412	416	418	414	405	396	391

Table 5B2-25-3c. Folsom Lake 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%	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%	1	1	0	0	0	0	0	0	0	0	0	1
40%	0	0	0	0	0	0	0	0	0	2	1	0
50%	1	1	0	0	0	0	0	0	0	0	0	0
60%	2	1	0	0	0	0	0	0	-1	0	1	2
70%	1	0	1	0	0	0	0	0	0	1	2	0
80%	0	-1	-1	2	0	1	0	0	1	0	1	1
90%	-1	1	3	0	-2	-2	-2	-2	1	1	1	1
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	1	1
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	1	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	1	0	0	0	0	0	0	0	0	1	2	2
Critical (15%)	0	0	-1	0	-1	-1	0	0	0	0	1	1

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 5B2-25-4a. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	444
30%	426	423	424	424	424	446	460	466	466	454	445	432
40%	422	421	424	424	424	446	460	466	466	443	436	427
50%	414	416	421	424	424	444	460	466	459	440	431	420
60%	409	412	418	424	424	440	458	466	454	432	421	413
70%	404	408	413	419	424	433	450	452	446	423	415	407
80%	402	404	407	412	415	427	436	440	434	417	409	404
90%	394	393	397	400	410	416	427	426	419	408	401	395
Long Term												
Full Simulation Period[a]	415	412	415	418	420	436	449	455	450	436	426	419
Water Year Types[b,c]												
Wet (32%)	434	421	421	424	424	445	459	466	465	456	444	438
Above Normal (15%)	414	410	413	423	424	445	459	466	461	441	432	420
Below Normal (17%)	414	413	414	421	423	437	455	462	458	436	428	418
Dry (22%)	409	413	417	412	418	431	445	449	441	427	417	412
Critical (15%)	388	392	404	406	406	413	416	418	414	404	396	391

Table 5B2-25-4b. Folsom Lake 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%	441	424	424	424	424	446	460	466	466	464	449	445
20%	440	424	424	424	424	446	460	466	466	463	449	445
30%	430	424	424	424	424	446	460	466	466	455	447	435
40%	423	422	424	424	424	446	460	466	466	447	439	428
50%	419	420	423	424	424	445	460	466	460	443	435	426
60%	414	417	420	424	424	440	459	466	455	438	426	418
70%	409	410	416	420	424	433	451	453	447	429	419	412
80%	404	406	407	413	419	429	439	443	438	421	413	408
90%	396	395	401	404	410	417	428	427	423	411	404	402
Long Term												
Full Simulation Period[a]	418	414	417	419	421	436	450	455	452	439	429	422
Water Year Types[b,c]												
Wet (32%)	434	422	421	424	424	445	459	466	465	456	444	439
Above Normal (15%)	421	414	417	423	424	445	459	466	462	447	436	427
Below Normal (17%)	419	418	417	421	423	437	455	462	458	441	433	423
Dry (22%)	413	416	419	416	420	434	447	452	445	431	422	417
Critical (15%)	388	391	403	406	407	413	417	419	415	405	395	390

Table 5B2-25-4c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	-1	0	0
30%	4	1	0	0	0	0	0	0	0	1	3	3
40%	1	1	0	0	0	0	0	0	0	4	3	2
50%	5	4	2	0	0	1	0	0	1	3	4	6
60%	5	6	2	0	0	0	0	0	1	6	6	5
70%	5	2	4	1	0	0	1	1	1	6	4	4
80%	2	2	0	1	4	3	2	3	4	3	4	4
90%	2	2	4	4	0	1	1	1	4	3	3	8
Long Term												
Full Simulation Period[a]	3	2	1	1	1	1	1	1	1	3	3	3
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	7	4	4	0	0	0	0	0	1	5	5	7
Below Normal (17%)	6	4	3	0	0	0	0	0	0	5	5	6
Dry (22%)	4	4	2	4	3	2	2	2	3	5	5	5
Critical (15%)	0	-1	-1	0	1	1	0	1	1	1	-1	-1

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 5B2-25-1. Folsom Lake Elevation, October

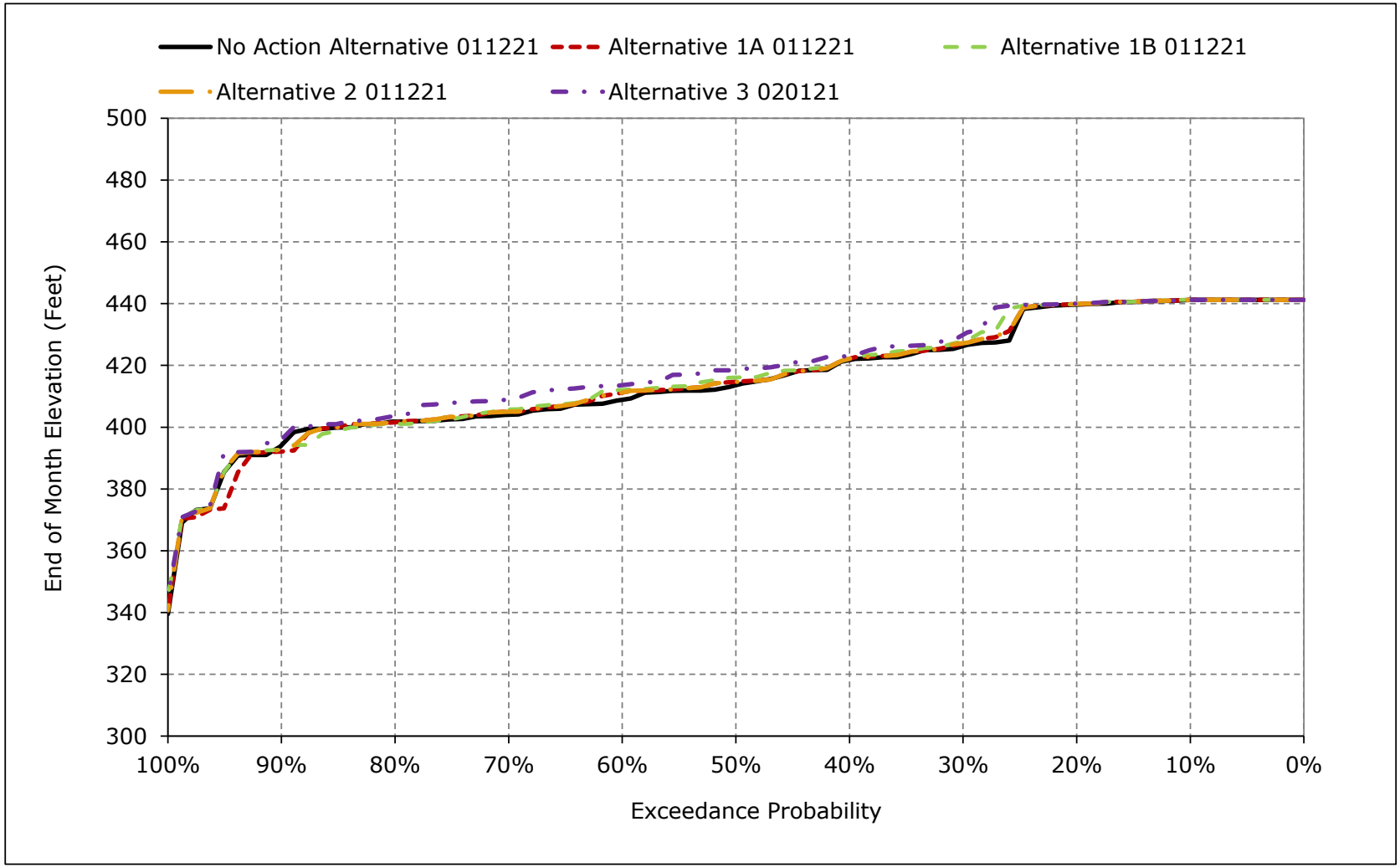


Figure 5B2-25-2. Folsom Lake Elevation, November

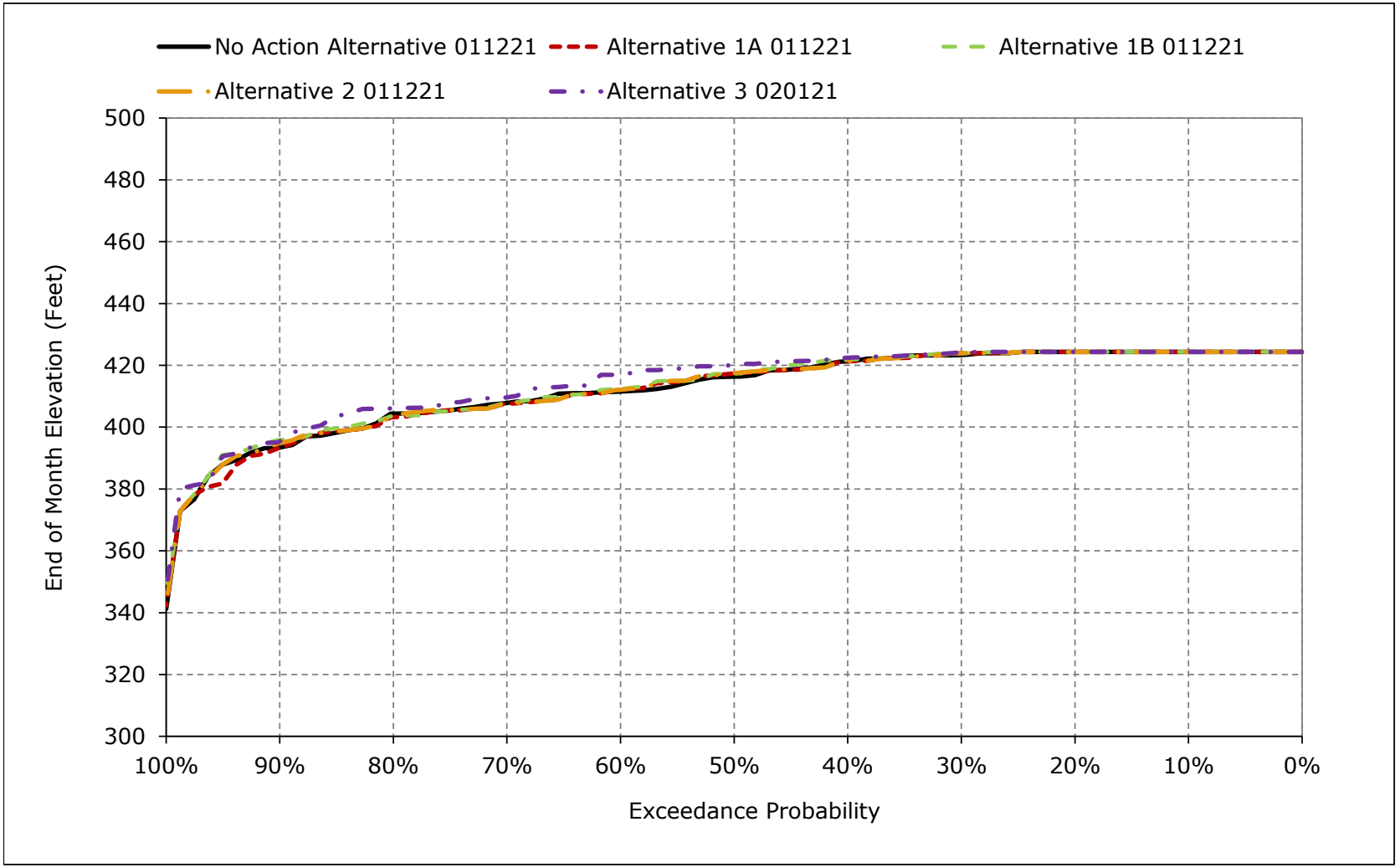


Figure 5B2-25-3. Folsom Lake Elevation, December

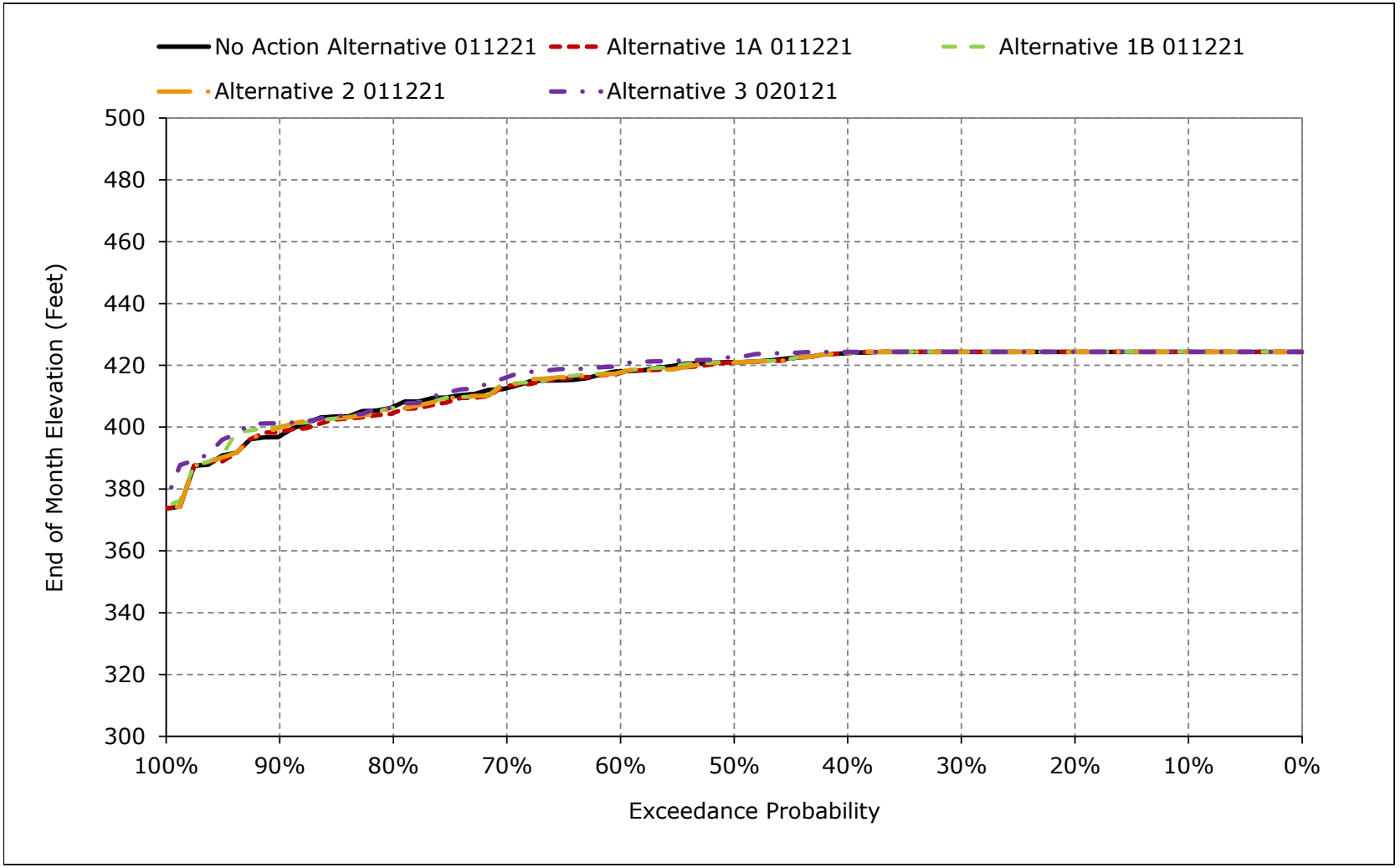


Figure 5B2-25-4. Folsom Lake Elevation, January

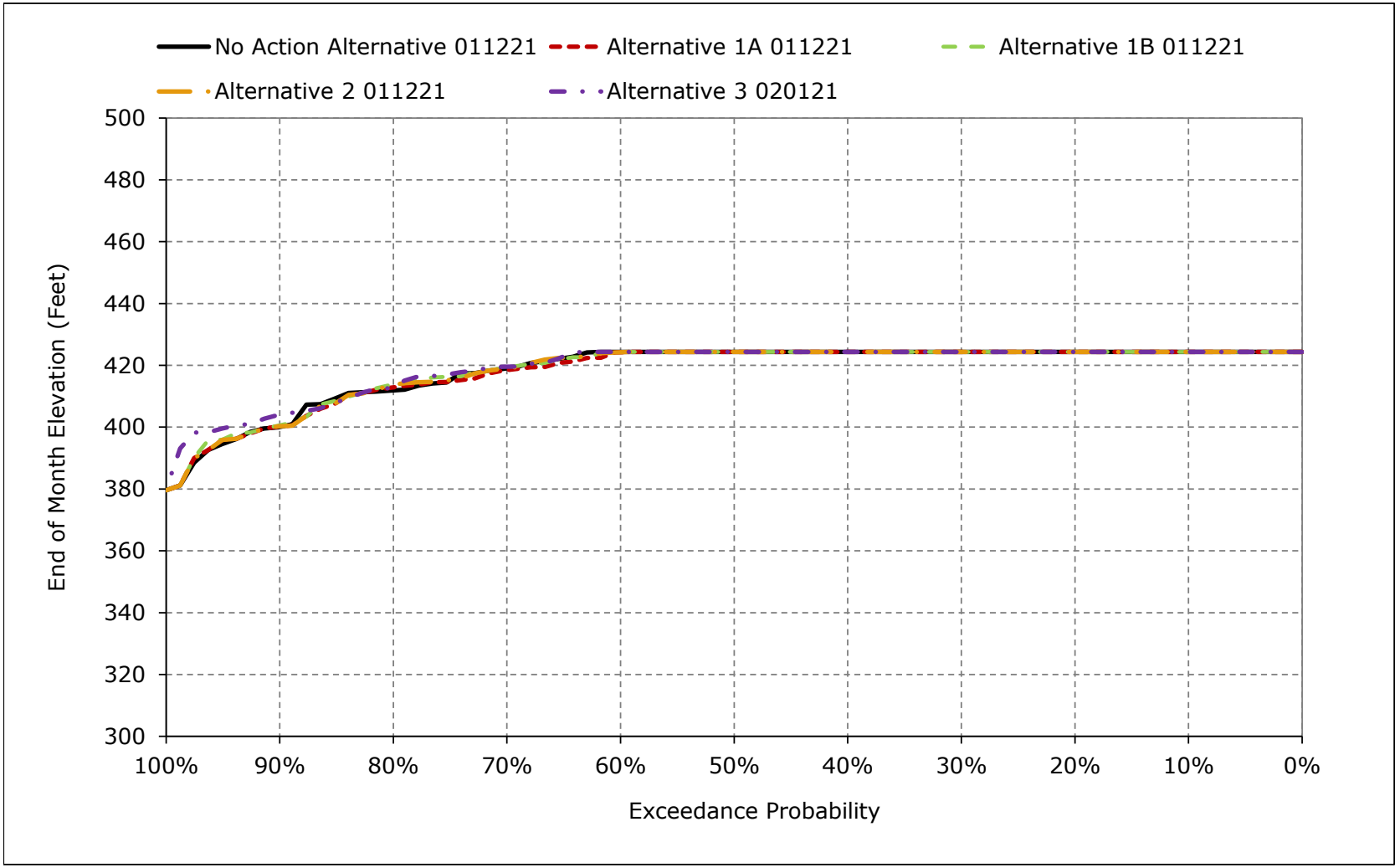


Figure 5B2-25-5. Folsom Lake Elevation, February

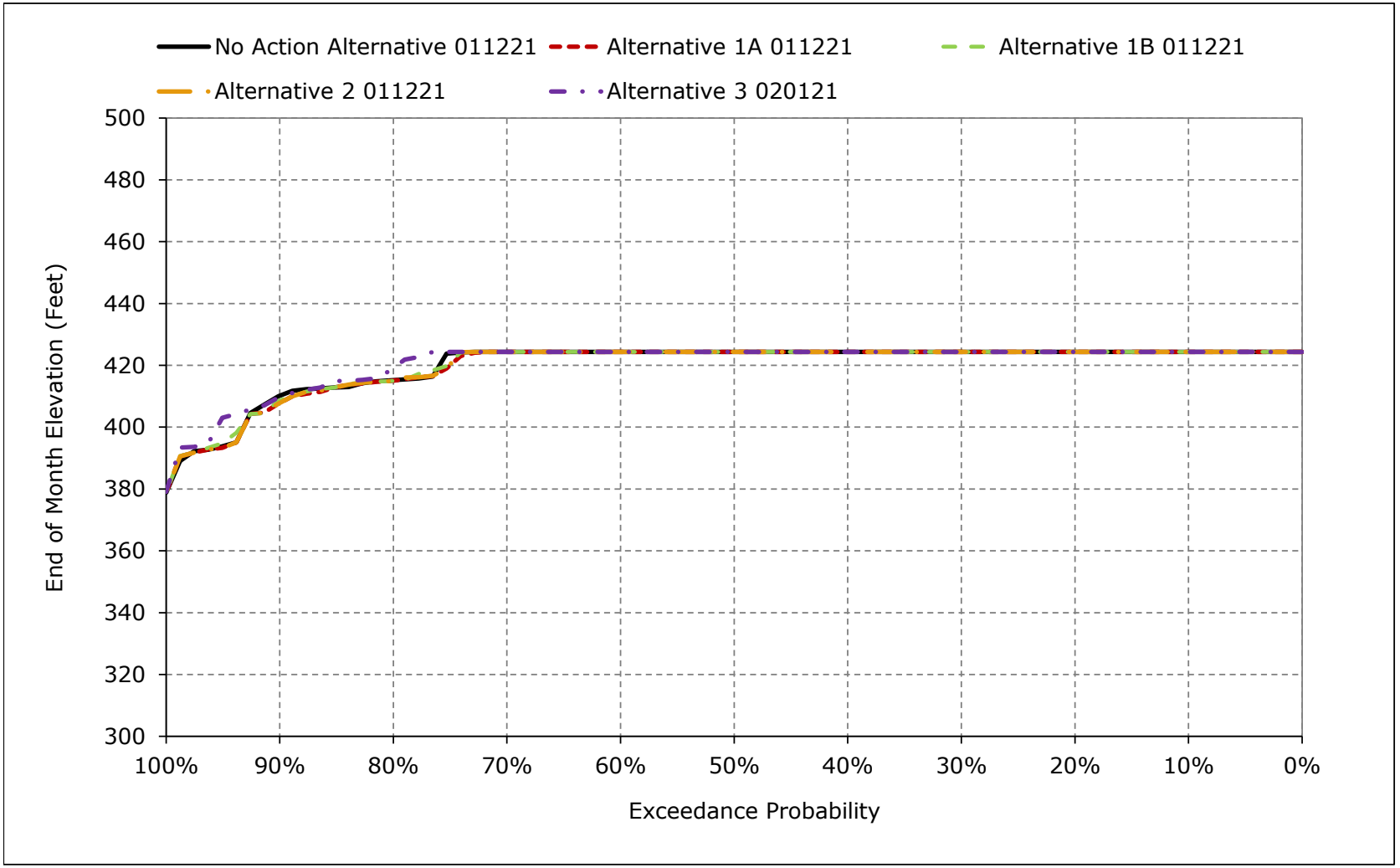


Figure 5B2-25-6. Folsom Lake Elevation, March

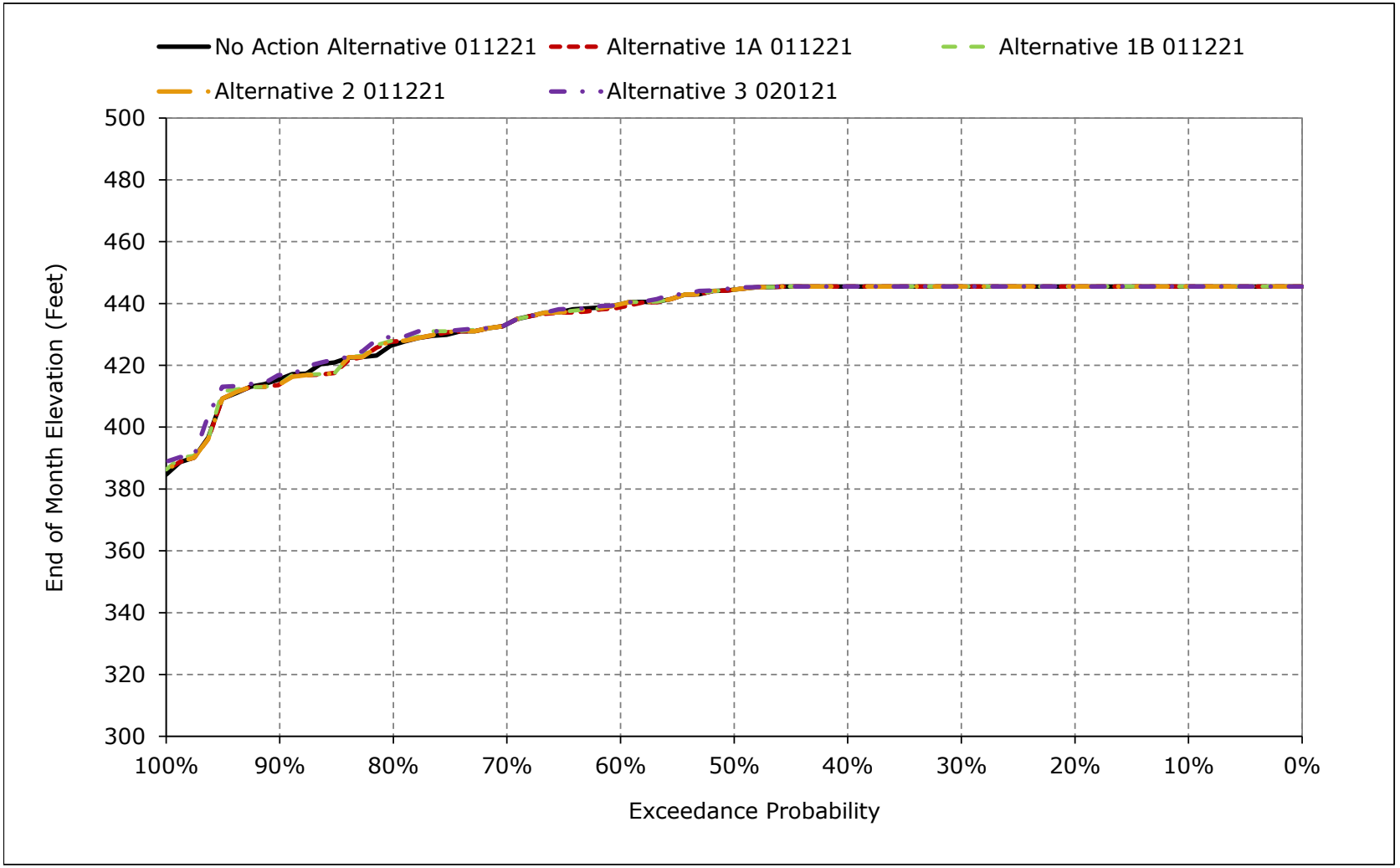


Figure 5B2-25-7. Folsom Lake Elevation, April

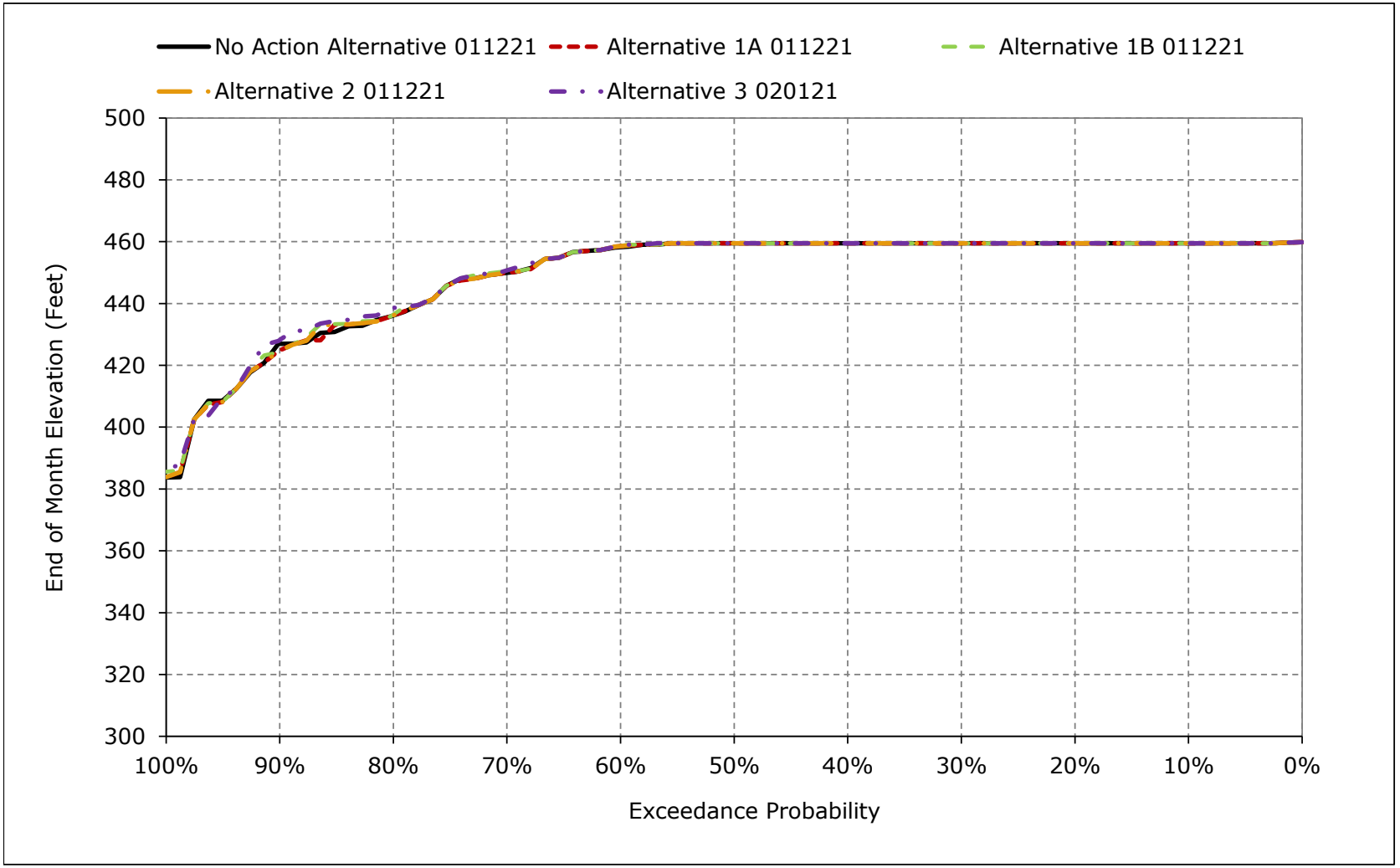


Figure 5B2-25-8. Folsom Lake Elevation, May

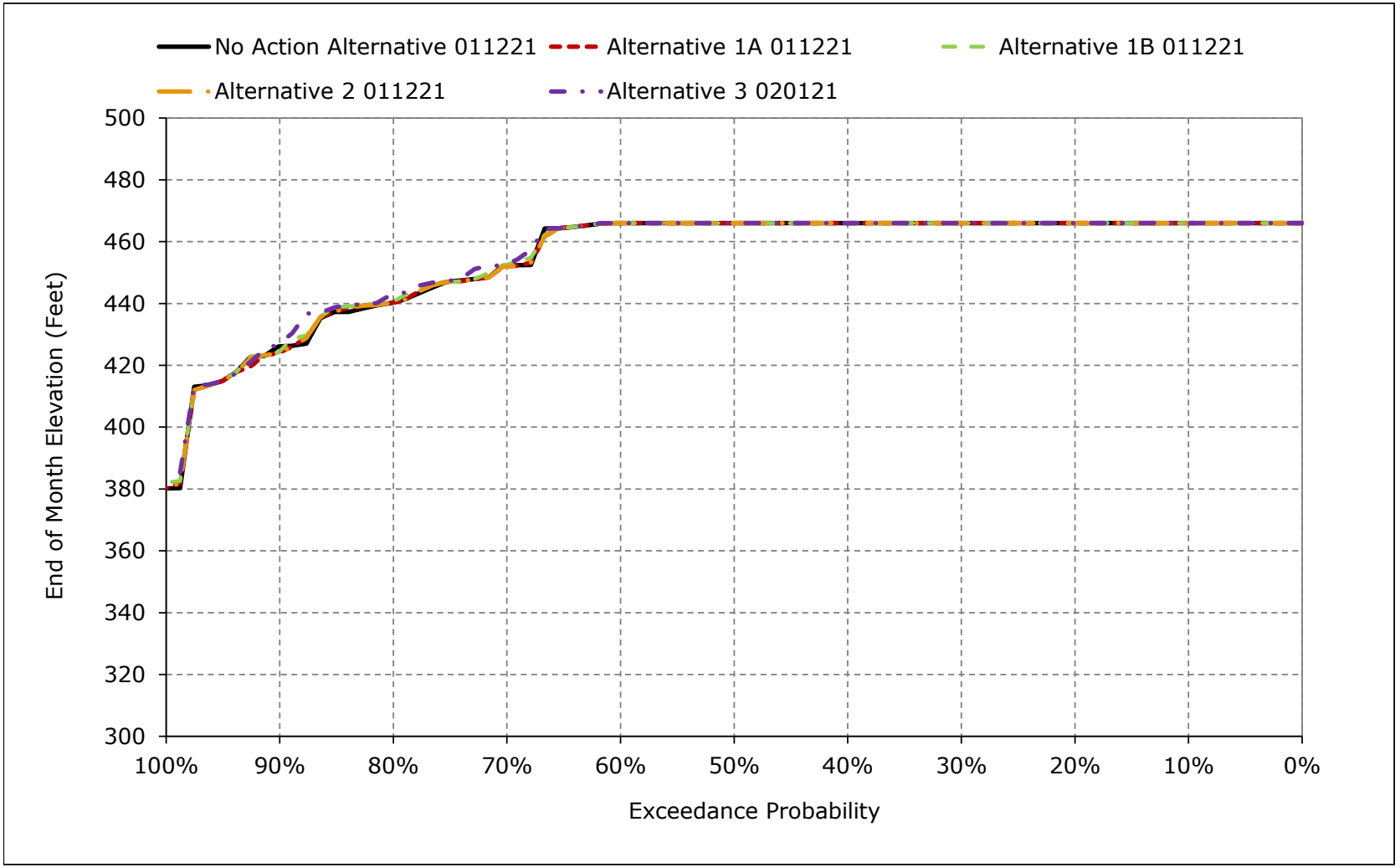


Figure 5B2-25-9. Folsom Lake Elevation, June

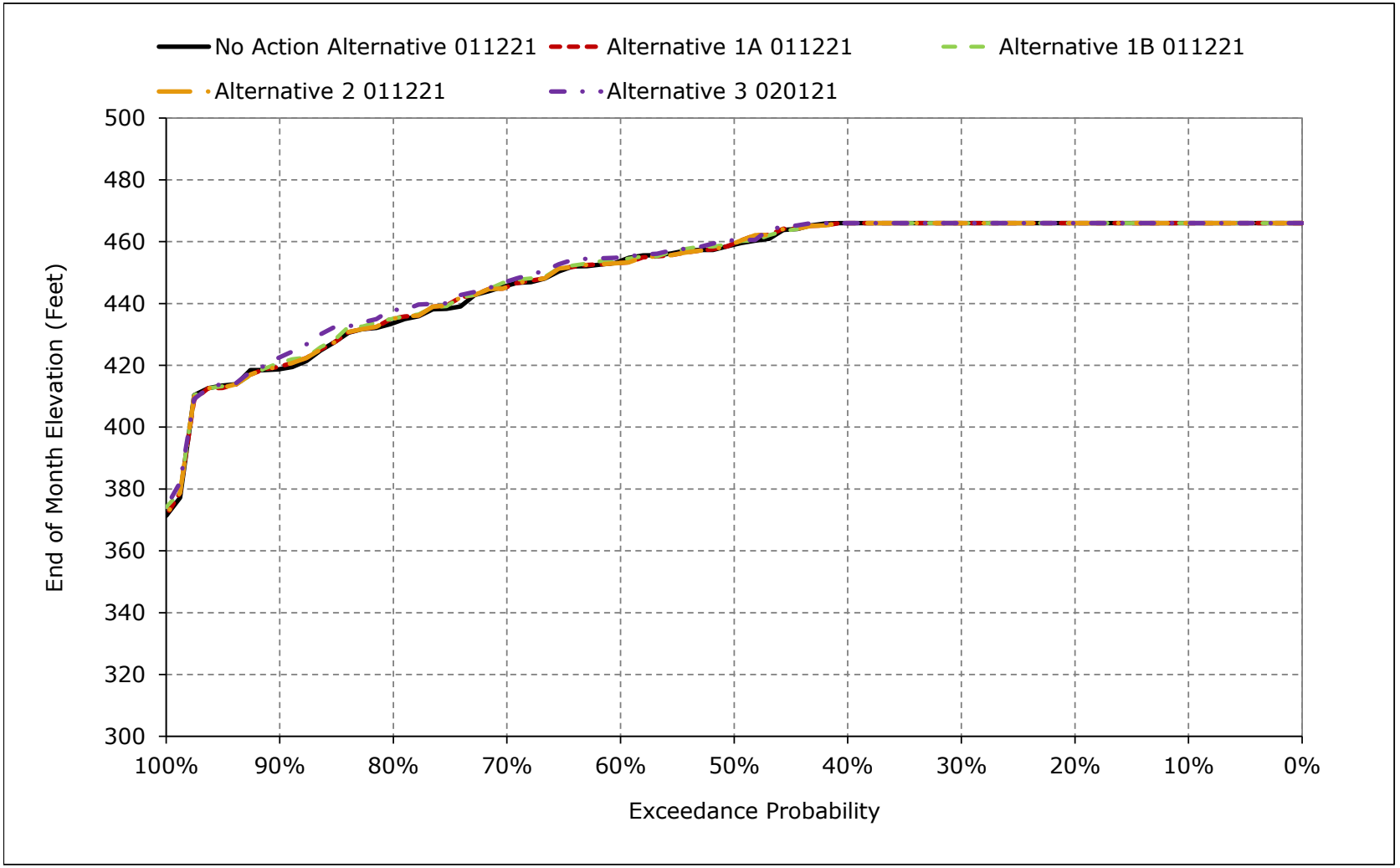


Figure 5B2-25-10. Folsom Lake Elevation, July

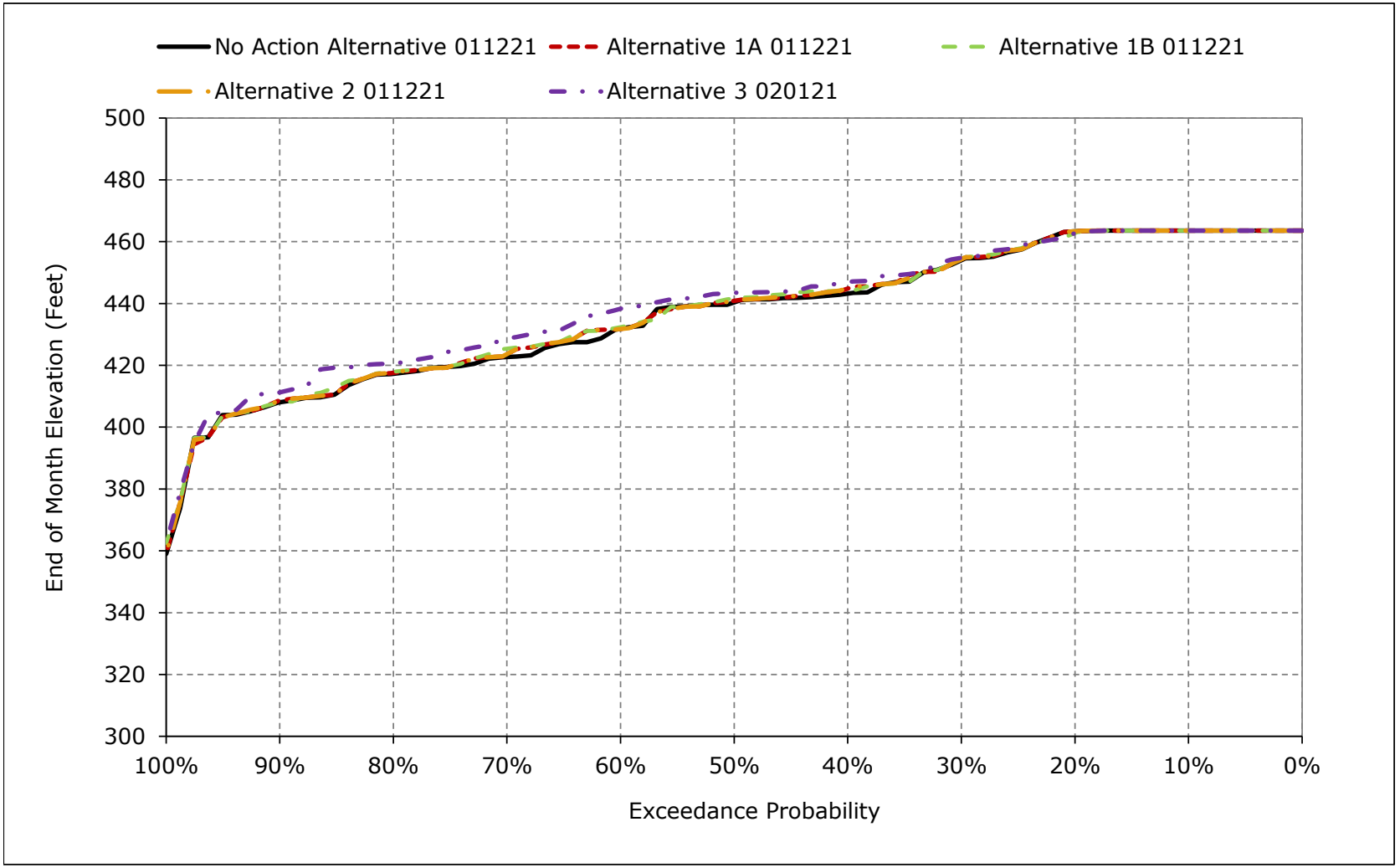


Figure 5B2-25-11. Folsom Lake Elevation, August

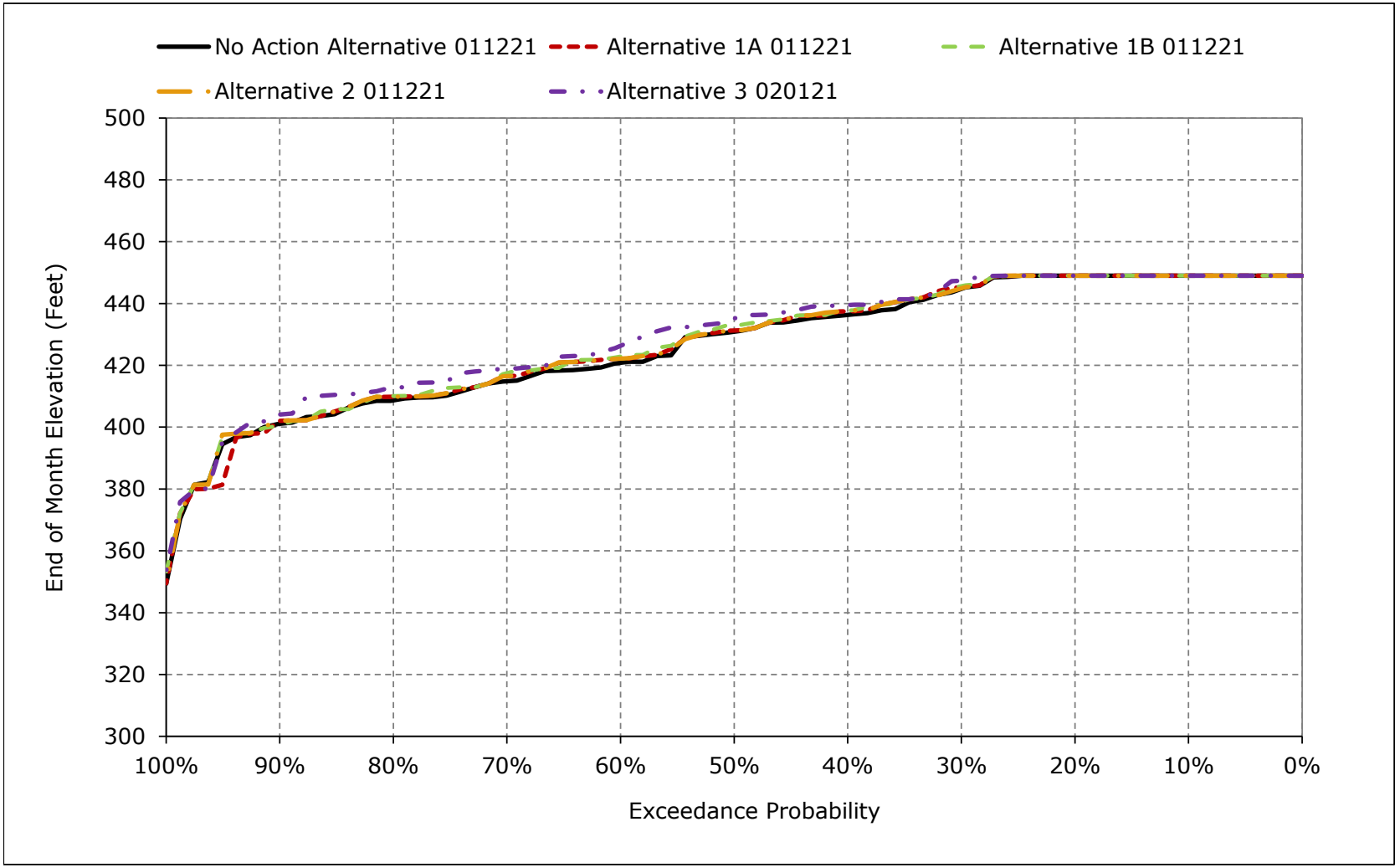


Figure 5B2-25-12. Folsom Lake Elevation, September

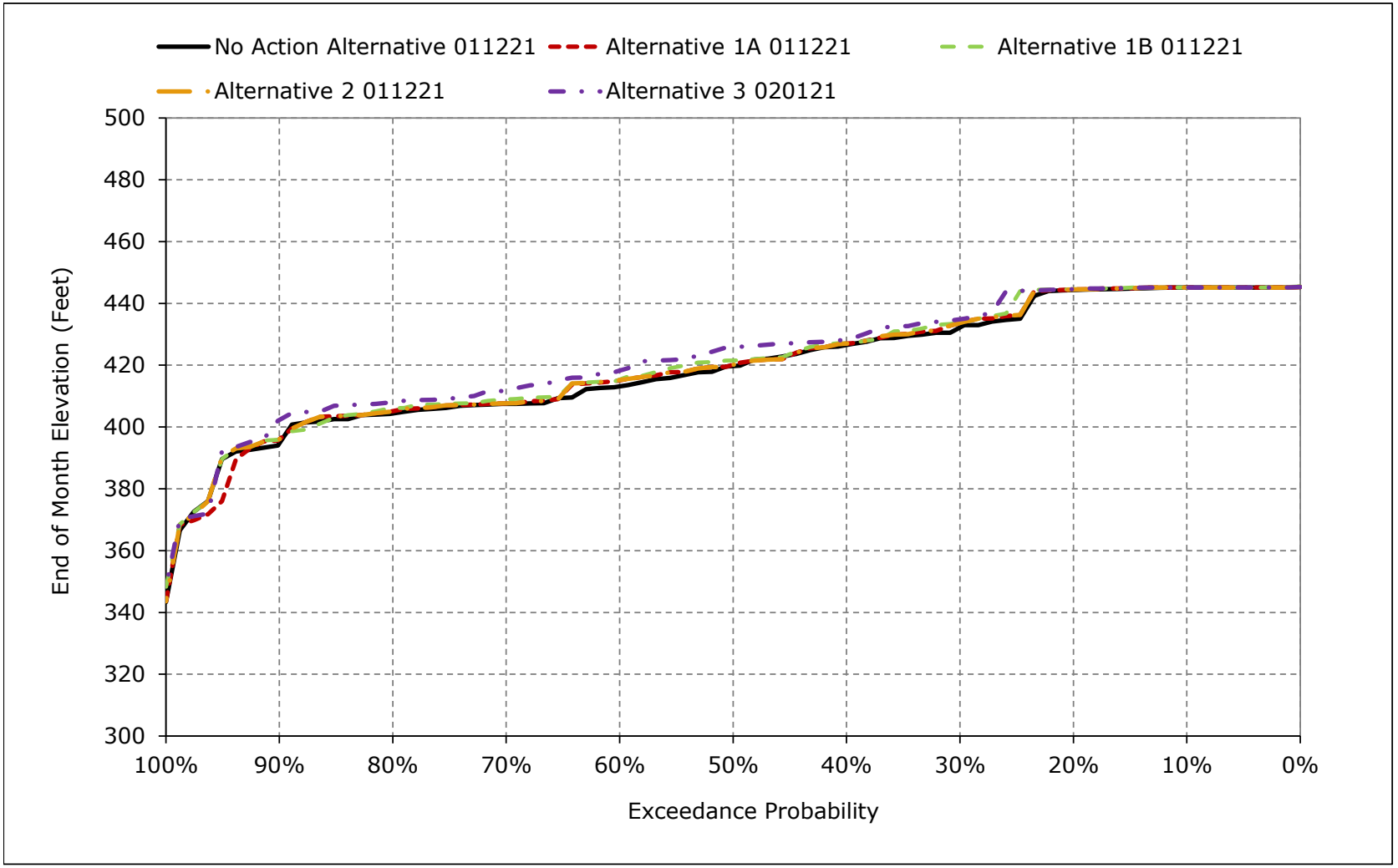


Table 5B2-26-1a. Folsom Lake Surface Area, No Action Alternative 011221, End of Month Surface-Area (Acres)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,539	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,822
30%	8,565	8,342	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,411	9,845	9,016
40%	8,222	8,190	8,389	8,418	8,418	9,893	10,745	11,141	11,141	9,751	9,326	8,585
50%	7,601	7,815	8,165	8,418	8,418	9,831	10,745	11,141	10,716	9,581	8,914	8,068
60%	7,247	7,449	7,942	8,418	8,418	9,546	10,667	11,141	10,396	8,986	8,153	7,570
70%	6,880	7,169	7,534	8,015	8,418	9,100	10,162	10,304	9,909	8,295	7,702	7,143
80%	6,711	6,906	7,076	7,477	7,725	8,590	9,308	9,579	9,122	7,881	7,231	6,908
90%	6,147	6,089	6,362	6,584	7,345	7,753	8,617	8,553	7,998	7,183	6,660	6,186
Long Term												
Full Simulation Period[a]	7,734	7,504	7,749	7,962	8,078	9,216	10,059	10,398	10,127	9,197	8,523	8,019
Water Year Types[b,c]												
Wet (32%)	9,090	8,198	8,175	8,418	8,418	9,855	10,727	11,134	11,049	10,502	9,784	9,387
Above Normal (15%)	7,612	7,344	7,598	8,306	8,418	9,842	10,720	11,140	10,854	9,583	8,907	8,064
Below Normal (17%)	7,626	7,592	7,675	8,177	8,285	9,325	10,492	10,890	10,643	9,202	8,656	7,927
Dry (22%)	7,283	7,539	7,861	7,523	7,916	8,914	9,833	10,118	9,586	8,579	7,852	7,488
Critical (15%)	5,719	6,003	6,897	7,035	7,004	7,530	7,784	7,909	7,611	6,904	6,261	5,911

Table 5B2-26-1b. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,549	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,829
30%	8,622	8,386	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,427	9,877	9,123
40%	8,252	8,188	8,389	8,418	8,418	9,893	10,745	11,141	11,141	9,853	9,403	8,618
50%	7,688	7,891	8,160	8,418	8,418	9,831	10,745	11,141	10,742	9,611	8,943	8,100
60%	7,425	7,489	7,902	8,409	8,418	9,487	10,685	11,141	10,356	8,982	8,256	7,719
70%	6,956	7,145	7,585	7,973	8,418	9,100	10,162	10,287	9,885	8,363	7,827	7,157
80%	6,695	6,821	6,924	7,553	7,712	8,674	9,310	9,577	9,234	7,906	7,320	6,965
90%	5,995	6,081	6,462	6,597	7,169	7,625	8,454	8,403	8,061	7,226	6,731	6,280
Long Term												
Full Simulation Period[a]	7,746	7,494	7,726	7,945	8,065	9,207	10,058	10,397	10,136	9,225	8,551	8,044
Water Year Types[b,c]												
Wet (32%)	9,109	8,204	8,183	8,418	8,418	9,855	10,727	11,134	11,061	10,519	9,803	9,407
Above Normal (15%)	7,630	7,353	7,607	8,307	8,418	9,842	10,720	11,140	10,881	9,624	8,939	8,087
Below Normal (17%)	7,647	7,599	7,690	8,161	8,275	9,315	10,490	10,890	10,635	9,222	8,675	7,953
Dry (22%)	7,392	7,545	7,827	7,532	7,899	8,937	9,860	10,130	9,603	8,638	7,972	7,610
Critical (15%)	5,558	5,895	6,743	6,927	6,950	7,448	7,739	7,881	7,605	6,906	6,173	5,806

Table 5B2-26-1c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	11	0	0	0	0	0	0	0	0	0	0	8
30%	57	43	0	0	0	0	0	0	0	16	32	107
40%	31	-2	0	0	0	0	0	0	0	102	77	33
50%	87	76	-5	0	0	0	0	0	26	30	28	32
60%	178	40	-39	-9	0	-58	18	0	-40	-4	103	149
70%	76	-24	51	-42	0	0	0	-17	-24	68	125	15
80%	-16	-85	-152	76	-13	85	2	-2	112	25	89	57
90%	-151	-8	100	12	-176	-128	-163	-150	63	43	71	94
Long Term												
Full Simulation Period[a]	13	-10	-23	-17	-13	-9	-1	-2	9	28	27	26
Water Year Types[b,c]												
Wet (32%)	19	6	8	0	0	0	0	0	12	17	19	20
Above Normal (15%)	18	9	9	0	0	0	0	0	27	40	32	22
Below Normal (17%)	21	7	15	-15	-10	-10	-1	0	-8	20	18	26
Dry (22%)	109	6	-34	8	-16	23	27	12	18	59	121	122
Critical (15%)	-161	-108	-154	-108	-54	-82	-45	-28	-7	2	-88	-105

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 5B2-26-2a. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,539	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,822
30%	8,565	8,342	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,411	9,845	9,016
40%	8,222	8,190	8,389	8,418	8,418	9,893	10,745	11,141	11,141	9,751	9,326	8,585
50%	7,601	7,815	8,165	8,418	8,418	9,831	10,745	11,141	10,716	9,581	8,914	8,068
60%	7,247	7,449	7,942	8,418	8,418	9,546	10,667	11,141	10,396	8,986	8,153	7,570
70%	6,880	7,169	7,534	8,015	8,418	9,100	10,162	10,304	9,909	8,295	7,702	7,143
80%	6,711	6,906	7,076	7,477	7,725	8,590	9,308	9,579	9,122	7,881	7,231	6,908
90%	6,147	6,089	6,362	6,584	7,345	7,753	8,617	8,553	7,998	7,183	6,660	6,186
Long Term												
Full Simulation Period[a]	7,734	7,504	7,749	7,962	8,078	9,216	10,059	10,398	10,127	9,197	8,523	8,019
Water Year Types[b,c]												
Wet (32%)	9,090	8,198	8,175	8,418	8,418	9,855	10,727	11,134	11,049	10,502	9,784	9,387
Above Normal (15%)	7,612	7,344	7,598	8,306	8,418	9,842	10,720	11,140	10,854	9,583	8,907	8,064
Below Normal (17%)	7,626	7,592	7,675	8,177	8,285	9,325	10,492	10,890	10,643	9,202	8,656	7,927
Dry (22%)	7,283	7,539	7,861	7,523	7,916	8,914	9,833	10,118	9,586	8,579	7,852	7,488
Critical (15%)	5,719	6,003	6,897	7,035	7,004	7,530	7,784	7,909	7,611	6,904	6,261	5,911

Table 5B2-26-2b. Folsom Lake 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%	9,632	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,549	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,943	10,106	9,838
30%	8,679	8,386	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,431	9,903	9,127
40%	8,260	8,228	8,399	8,418	8,418	9,893	10,745	11,141	11,141	9,811	9,420	8,629
50%	7,796	7,887	8,175	8,418	8,418	9,831	10,745	11,141	10,754	9,656	9,075	8,208
60%	7,491	7,523	7,925	8,409	8,418	9,546	10,693	11,141	10,416	9,026	8,306	7,740
70%	7,012	7,168	7,654	8,046	8,418	9,100	10,186	10,324	9,984	8,498	7,900	7,251
80%	6,656	6,844	7,049	7,617	7,712	8,692	9,327	9,596	9,235	7,934	7,340	7,038
90%	6,050	6,275	6,595	6,623	7,230	7,636	8,424	8,434	8,155	7,188	6,623	6,292
Long Term												
Full Simulation Period[a]	7,797	7,543	7,766	7,971	8,077	9,221	10,074	10,414	10,156	9,241	8,594	8,105
Water Year Types[b,c]												
Wet (32%)	9,108	8,212	8,186	8,418	8,418	9,855	10,727	11,134	11,061	10,518	9,802	9,409
Above Normal (15%)	7,790	7,432	7,678	8,312	8,418	9,842	10,720	11,141	10,891	9,622	8,997	8,237
Below Normal (17%)	7,701	7,628	7,702	8,181	8,283	9,324	10,491	10,890	10,652	9,244	8,702	7,992
Dry (22%)	7,352	7,587	7,864	7,573	7,929	8,968	9,895	10,177	9,650	8,664	7,992	7,629
Critical (15%)	5,745	6,039	6,874	7,015	6,979	7,484	7,794	7,926	7,643	6,958	6,348	5,995

Table 5B2-26-2c. Folsom Lake 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%	1	0	0	0	0	0	0	0	0	0	0	0
20%	11	0	0	0	0	0	0	0	0	-37	0	16
30%	114	44	0	0	0	0	0	0	0	20	58	112
40%	38	38	10	0	0	0	0	0	0	60	94	44
50%	195	72	10	0	0	1	0	0	38	74	161	140
60%	243	74	-17	-9	0	0	27	0	20	40	153	170
70%	132	-1	120	31	0	0	25	20	75	202	199	109
80%	-55	-62	-27	140	-13	103	19	17	113	53	109	131
90%	-97	186	233	39	-115	-117	-193	-120	157	5	-37	106
Long Term												
Full Simulation Period[a]	64	39	17	9	-1	5	15	15	29	44	70	87
Water Year Types[b,c]												
Wet (32%)	19	14	11	0	0	0	0	0	12	17	18	22
Above Normal (15%)	178	88	80	6	0	0	0	0	37	39	90	172
Below Normal (17%)	75	36	27	4	-2	-2	-1	0	8	41	46	65
Dry (22%)	69	47	3	50	13	54	63	59	65	85	141	141
Critical (15%)	26	36	-24	-20	-25	-46	10	17	32	54	87	85

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 5B2-26-3a. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,539	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,822
30%	8,565	8,342	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,411	9,845	9,016
40%	8,222	8,190	8,389	8,418	8,418	9,893	10,745	11,141	11,141	9,751	9,326	8,585
50%	7,601	7,815	8,165	8,418	8,418	9,831	10,745	11,141	10,716	9,581	8,914	8,068
60%	7,247	7,449	7,942	8,418	8,418	9,546	10,667	11,141	10,396	8,986	8,153	7,570
70%	6,880	7,169	7,534	8,015	8,418	9,100	10,162	10,304	9,909	8,295	7,702	7,143
80%	6,711	6,906	7,076	7,477	7,725	8,590	9,308	9,579	9,122	7,881	7,231	6,908
90%	6,147	6,089	6,362	6,584	7,345	7,753	8,617	8,553	7,998	7,183	6,660	6,186
Long Term												
Full Simulation Period[a]	7,734	7,504	7,749	7,962	8,078	9,216	10,059	10,398	10,127	9,197	8,523	8,019
Water Year Types[b,c]												
Wet (32%)	9,090	8,198	8,175	8,418	8,418	9,855	10,727	11,134	11,049	10,502	9,784	9,387
Above Normal (15%)	7,612	7,344	7,598	8,306	8,418	9,842	10,720	11,140	10,854	9,583	8,907	8,064
Below Normal (17%)	7,626	7,592	7,675	8,177	8,285	9,325	10,492	10,890	10,643	9,202	8,656	7,927
Dry (22%)	7,283	7,539	7,861	7,523	7,916	8,914	9,833	10,118	9,586	8,579	7,852	7,488
Critical (15%)	5,719	6,003	6,897	7,035	7,004	7,530	7,784	7,909	7,611	6,904	6,261	5,911

Table 5B2-26-3b. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,549	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,829
30%	8,635	8,385	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,428	9,857	9,123
40%	8,252	8,189	8,390	8,418	8,418	9,893	10,745	11,141	11,141	9,859	9,411	8,619
50%	7,686	7,893	8,160	8,418	8,418	9,831	10,745	11,141	10,742	9,611	8,943	8,098
60%	7,425	7,497	7,917	8,409	8,418	9,546	10,688	11,141	10,356	8,980	8,255	7,724
70%	6,956	7,147	7,621	8,016	8,418	9,100	10,162	10,287	9,885	8,364	7,827	7,157
80%	6,702	6,852	7,031	7,614	7,720	8,684	9,311	9,577	9,235	7,911	7,321	6,966
90%	6,042	6,195	6,564	6,597	7,169	7,624	8,454	8,403	8,061	7,226	6,730	6,283
Long Term												
Full Simulation Period[a]	7,770	7,514	7,745	7,961	8,068	9,211	10,063	10,400	10,137	9,227	8,571	8,069
Water Year Types[b,c]												
Wet (32%)	9,109	8,203	8,183	8,418	8,418	9,855	10,727	11,134	11,061	10,519	9,803	9,407
Above Normal (15%)	7,631	7,353	7,607	8,307	8,418	9,842	10,720	11,140	10,881	9,623	8,938	8,088
Below Normal (17%)	7,656	7,616	7,707	8,170	8,281	9,321	10,490	10,890	10,635	9,224	8,673	7,963
Dry (22%)	7,394	7,553	7,833	7,549	7,902	8,937	9,860	10,130	9,604	8,640	7,975	7,612
Critical (15%)	5,703	6,000	6,850	6,999	6,960	7,469	7,771	7,900	7,613	6,916	6,309	5,957

Table 5B2-26-3c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	11	0	0	0	0	0	0	0	0	0	0	8
30%	69	42	0	0	0	0	0	0	0	17	12	107
40%	31	-1	1	0	0	0	0	0	0	108	85	33
50%	85	78	-5	0	0	0	0	0	26	29	29	29
60%	178	48	-25	-9	0	0	21	0	-40	-6	102	155
70%	76	-22	87	1	0	0	0	-17	-24	69	125	15
80%	-9	-54	-45	136	-5	94	2	-2	112	31	89	58
90%	-105	107	202	13	-176	-129	-163	-151	63	43	71	97
Long Term												
Full Simulation Period[a]	36	10	-4	-1	-10	-4	4	1	10	30	48	50
Water Year Types[b,c]												
Wet (32%)	19	6	8	0	0	0	0	0	12	17	19	20
Above Normal (15%)	19	9	9	0	0	0	0	0	27	40	31	24
Below Normal (17%)	30	23	32	-7	-5	-5	-1	0	-8	22	17	36
Dry (22%)	111	14	-28	25	-14	24	28	12	18	61	123	124
Critical (15%)	-17	-3	-48	-35	-44	-61	-13	-9	2	12	48	47

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 5B2-26-4a. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,539	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,980	10,106	9,822
30%	8,565	8,342	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,411	9,845	9,016
40%	8,222	8,190	8,389	8,418	8,418	9,893	10,745	11,141	11,141	9,751	9,326	8,585
50%	7,601	7,815	8,165	8,418	8,418	9,831	10,745	11,141	10,716	9,581	8,914	8,068
60%	7,247	7,449	7,942	8,418	8,418	9,546	10,667	11,141	10,396	8,986	8,153	7,570
70%	6,880	7,169	7,534	8,015	8,418	9,100	10,162	10,304	9,909	8,295	7,702	7,143
80%	6,711	6,906	7,076	7,477	7,725	8,590	9,308	9,579	9,122	7,881	7,231	6,908
90%	6,147	6,089	6,362	6,584	7,345	7,753	8,617	8,553	7,998	7,183	6,660	6,186
Long Term												
Full Simulation Period[a]	7,734	7,504	7,749	7,962	8,078	9,216	10,059	10,398	10,127	9,197	8,523	8,019
Water Year Types[b,c]												
Wet (32%)	9,090	8,198	8,175	8,418	8,418	9,855	10,727	11,134	11,049	10,502	9,784	9,387
Above Normal (15%)	7,612	7,344	7,598	8,306	8,418	9,842	10,720	11,140	10,854	9,583	8,907	8,064
Below Normal (17%)	7,626	7,592	7,675	8,177	8,285	9,325	10,492	10,890	10,643	9,202	8,656	7,927
Dry (22%)	7,283	7,539	7,861	7,523	7,916	8,914	9,833	10,118	9,586	8,579	7,852	7,488
Critical (15%)	5,719	6,003	6,897	7,035	7,004	7,530	7,784	7,909	7,611	6,904	6,261	5,911

Table 5B2-26-4b. Folsom Lake 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%	9,631	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,993	10,106	9,869
20%	9,555	8,418	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,943	10,106	9,838
30%	8,837	8,409	8,418	8,418	8,418	9,893	10,745	11,141	11,141	10,458	10,009	9,213
40%	8,325	8,278	8,418	8,418	8,418	9,893	10,745	11,141	11,141	9,983	9,525	8,723
50%	7,988	8,104	8,287	8,418	8,418	9,861	10,745	11,141	10,802	9,768	9,229	8,534
60%	7,606	7,872	8,097	8,418	8,418	9,545	10,693	11,141	10,469	9,457	8,569	7,956
70%	7,260	7,307	7,802	8,055	8,418	9,100	10,211	10,338	9,993	8,743	8,010	7,479
80%	6,847	7,037	7,068	7,566	8,018	8,792	9,470	9,733	9,434	8,140	7,550	7,184
90%	6,281	6,236	6,675	6,882	7,313	7,850	8,709	8,631	8,284	7,427	6,884	6,746
Long Term												
Full Simulation Period[a]	7,950	7,658	7,850	8,017	8,131	9,261	10,097	10,442	10,205	9,399	8,721	8,245
Water Year Types[b,c]												
Wet (32%)	9,111	8,211	8,186	8,418	8,418	9,855	10,727	11,134	11,061	10,519	9,803	9,409
Above Normal (15%)	8,142	7,662	7,869	8,312	8,418	9,842	10,720	11,141	10,908	9,935	9,270	8,612
Below Normal (17%)	8,045	7,915	7,900	8,177	8,280	9,320	10,493	10,890	10,673	9,553	9,047	8,341
Dry (22%)	7,563	7,804	7,985	7,788	8,109	9,084	9,985	10,273	9,816	8,916	8,216	7,854
Critical (15%)	5,713	5,937	6,845	7,010	7,083	7,589	7,817	7,978	7,686	6,978	6,205	5,830

Table 5B2-26-4c. Folsom Lake 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%	0	0	0	0	0	0	0	0	0	0	0	0
20%	17	0	0	0	0	0	0	0	0	-37	0	16
30%	271	67	0	0	0	0	0	0	0	46	164	198
40%	104	87	29	0	0	0	0	0	0	232	199	137
50%	387	290	122	0	0	31	0	0	86	186	315	465
60%	359	423	155	0	0	0	26	0	73	471	416	386
70%	380	138	268	40	0	0	49	34	84	448	308	336
80%	136	131	-8	89	294	203	162	154	311	259	319	277
90%	134	147	312	297	-32	98	92	78	286	244	224	560
Long Term												
Full Simulation Period[a]	217	154	101	55	53	45	38	44	78	202	198	226
Water Year Types[b,c]												
Wet (32%)	21	13	11	0	0	0	0	0	12	17	19	22
Above Normal (15%)	530	318	271	6	0	0	0	0	54	352	364	547
Below Normal (17%)	419	323	225	0	-5	-5	1	0	30	351	391	414
Dry (22%)	280	264	124	264	193	171	152	155	230	337	365	366
Critical (15%)	-6	-66	-52	-25	79	59	33	69	75	74	-56	-81

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 5B2-26-1. Folsom Lake Surface Area, October

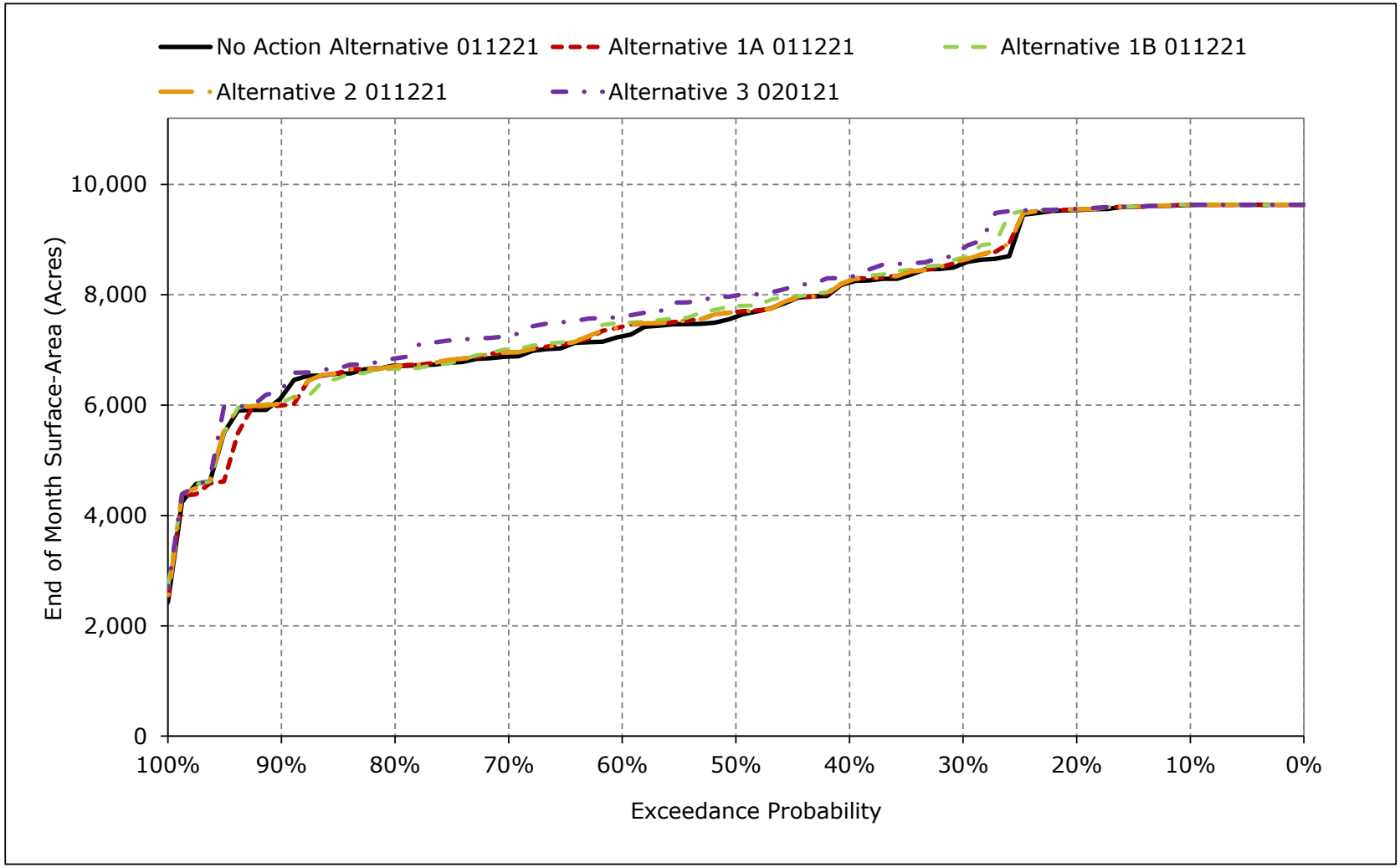


Figure 5B2-26-2. Folsom Lake Surface Area, November

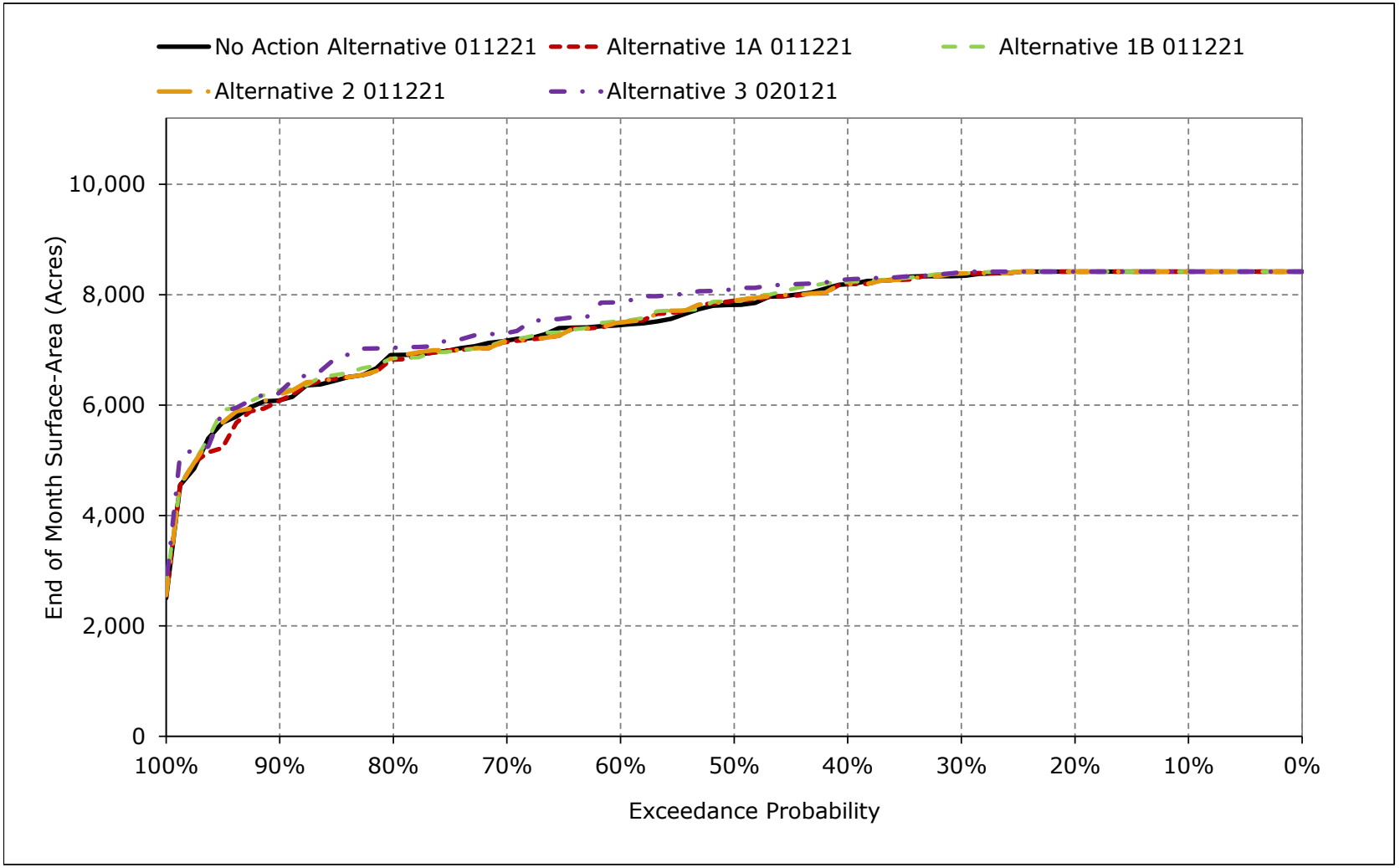


Figure 5B2-26-3. Folsom Lake Surface Area, December

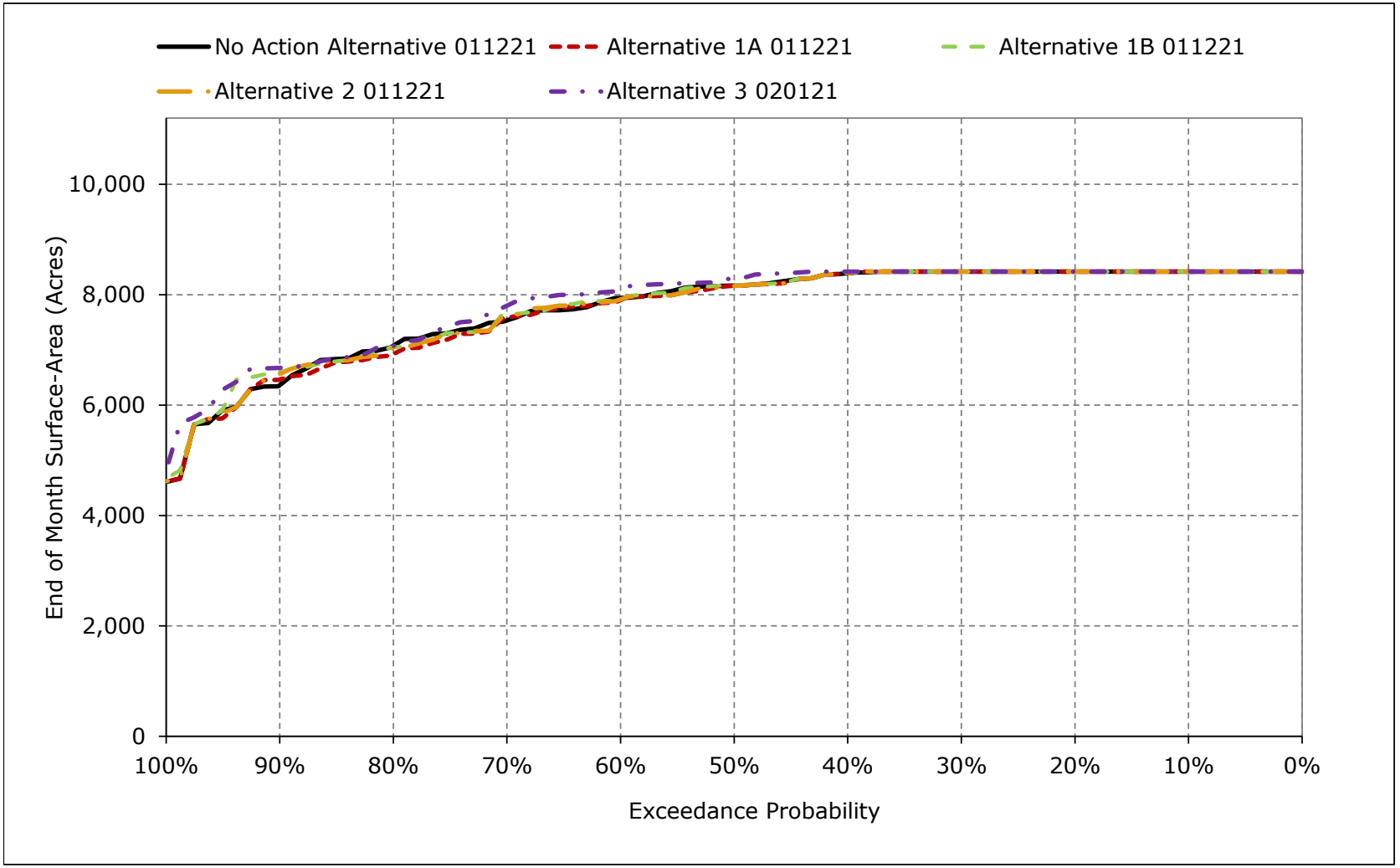


Figure 5B2-26-4. Folsom Lake Surface Area, January

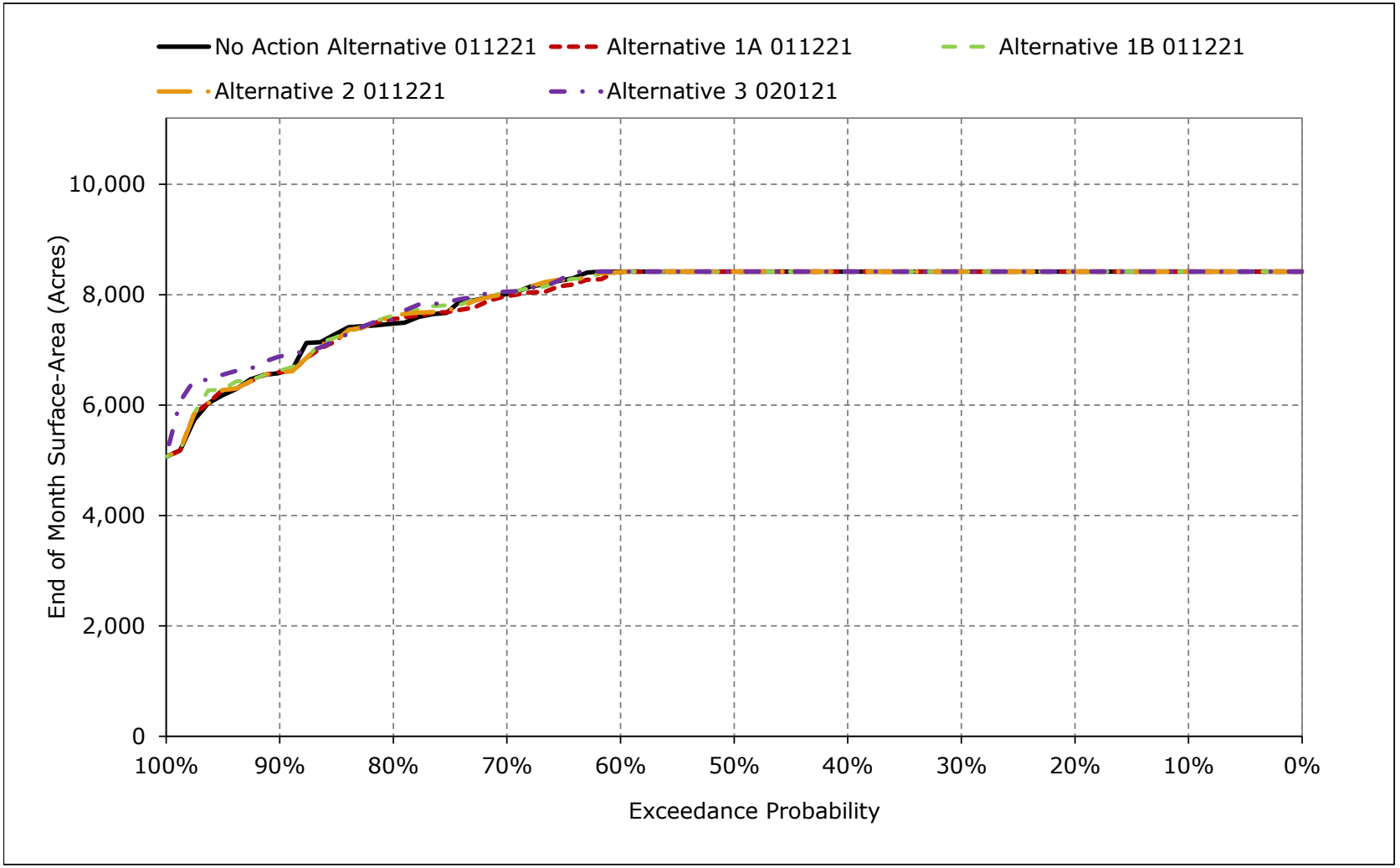


Figure 5B2-26-5. Folsom Lake Surface Area, February

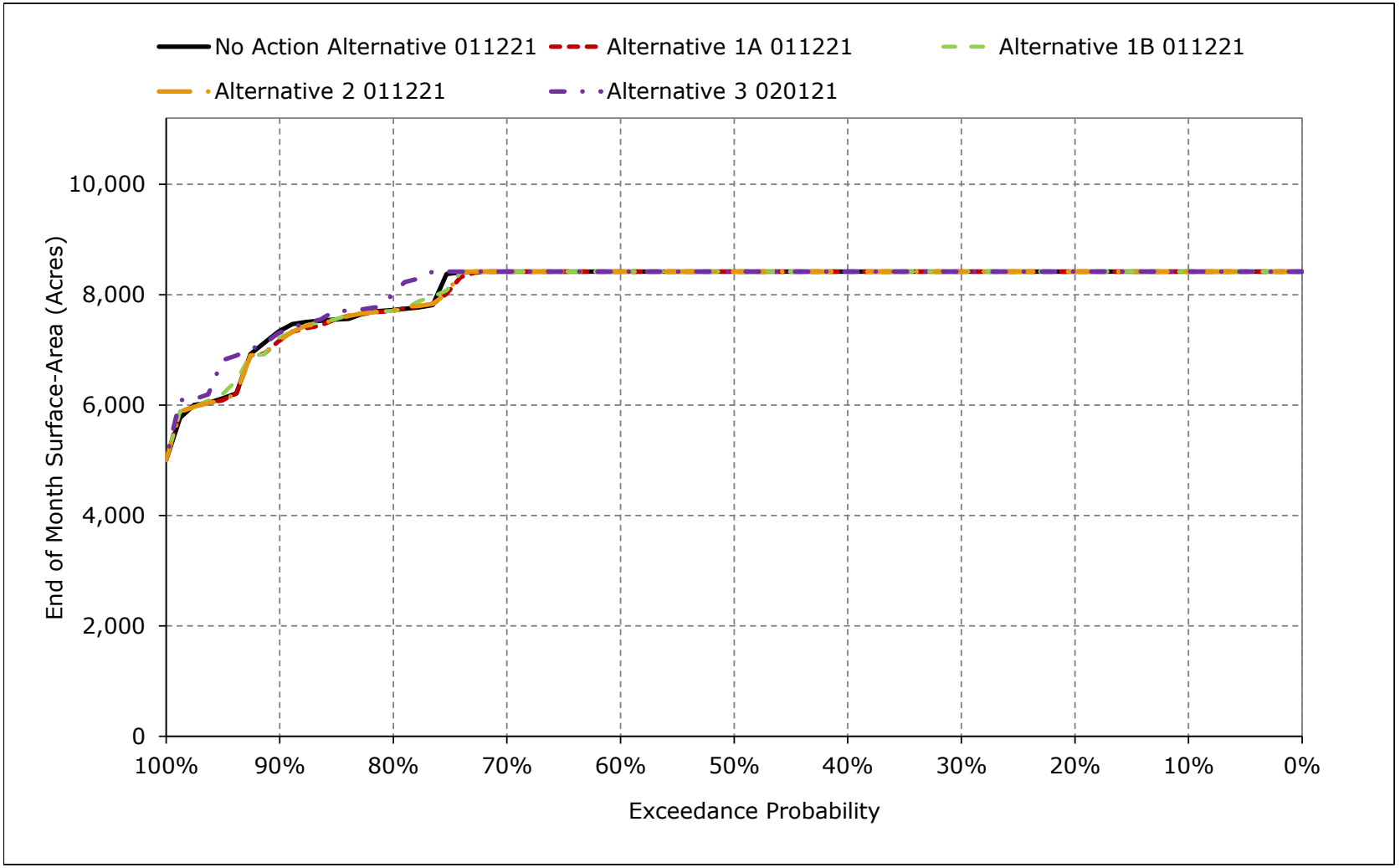


Figure 5B2-26-6. Folsom Lake Surface Area, March

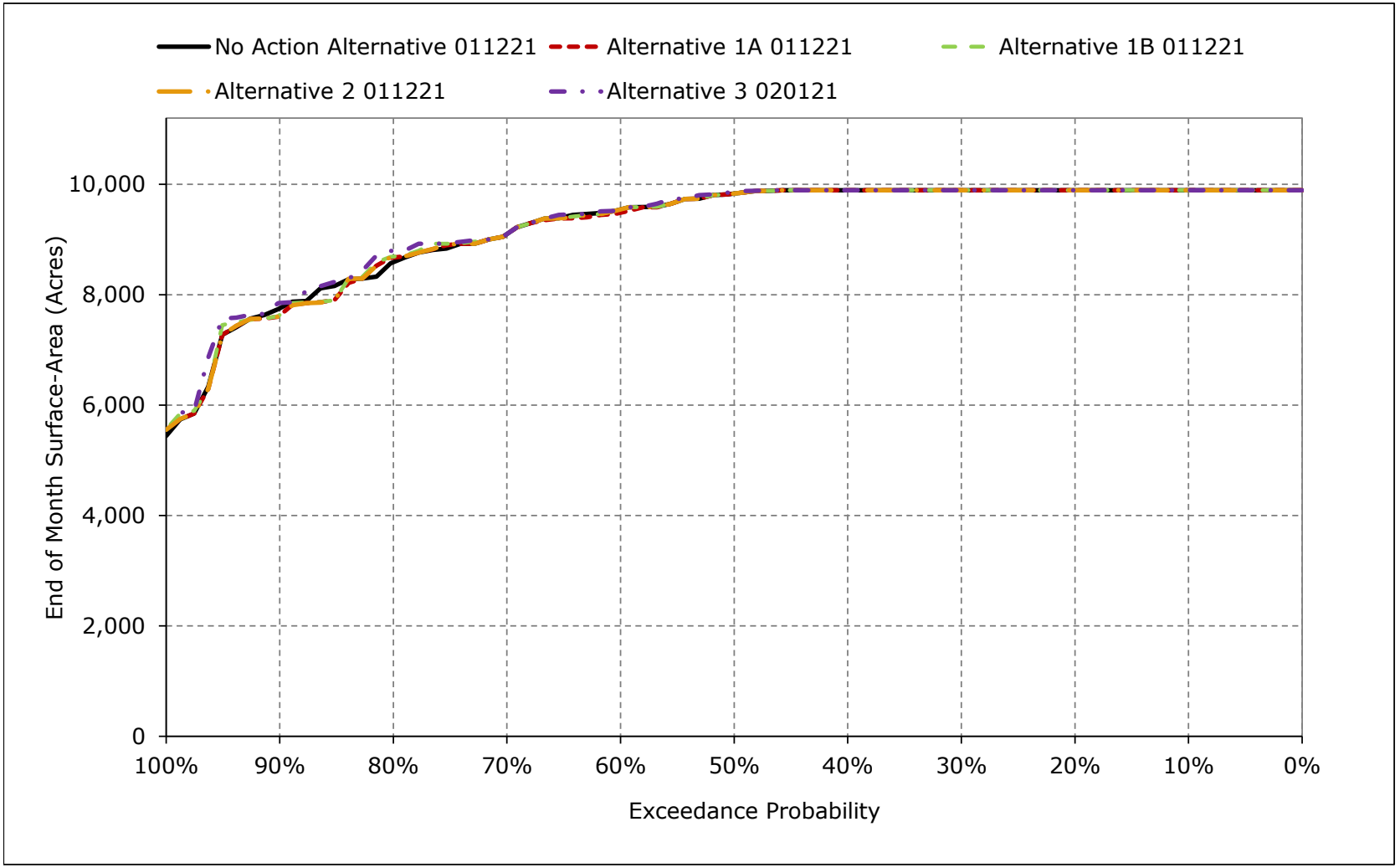


Figure 5B2-26-7. Folsom Lake Surface Area, April

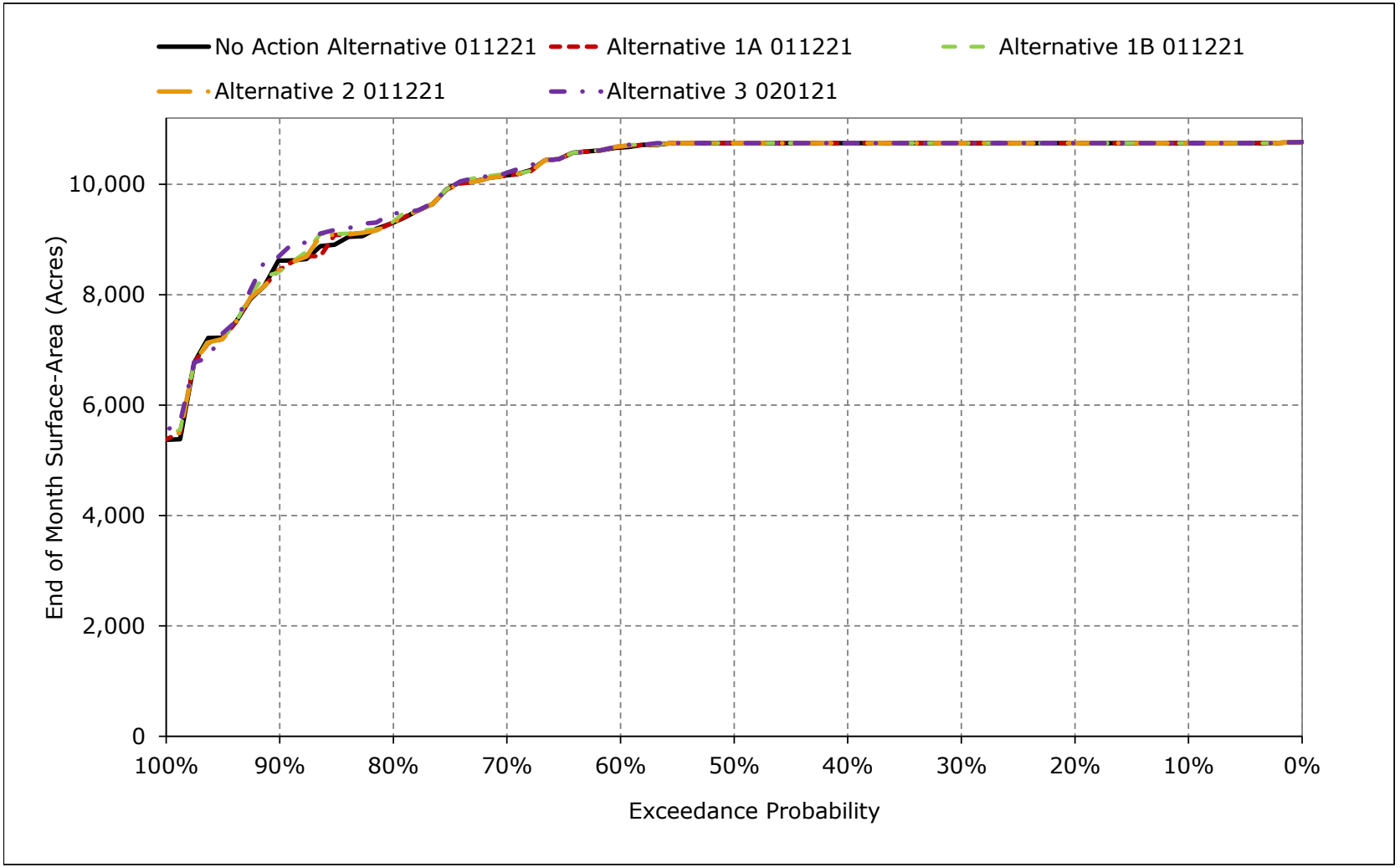


Figure 5B2-26-8. Folsom Lake Surface Area, May

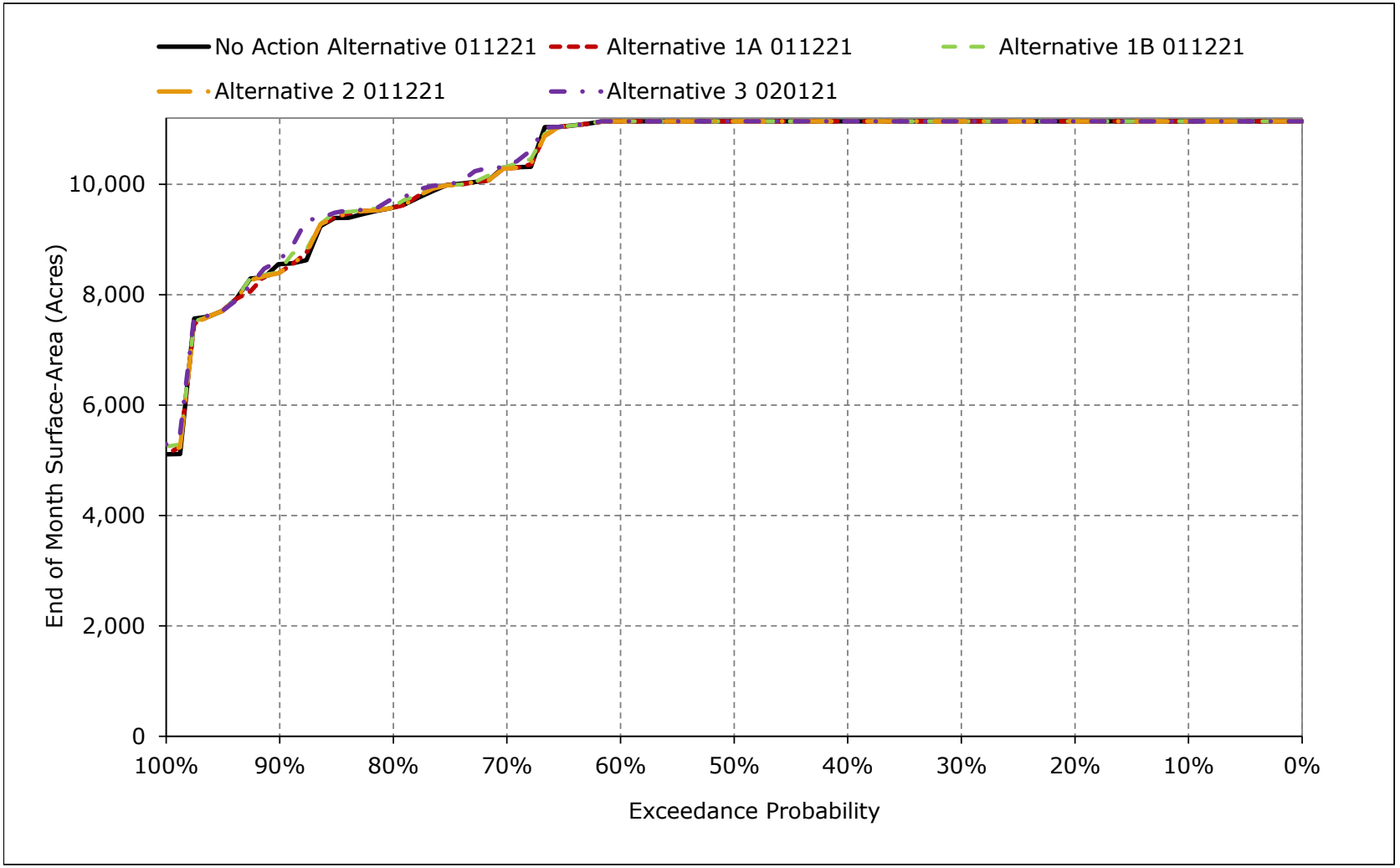


Figure 5B2-26-9. Folsom Lake Surface Area, June

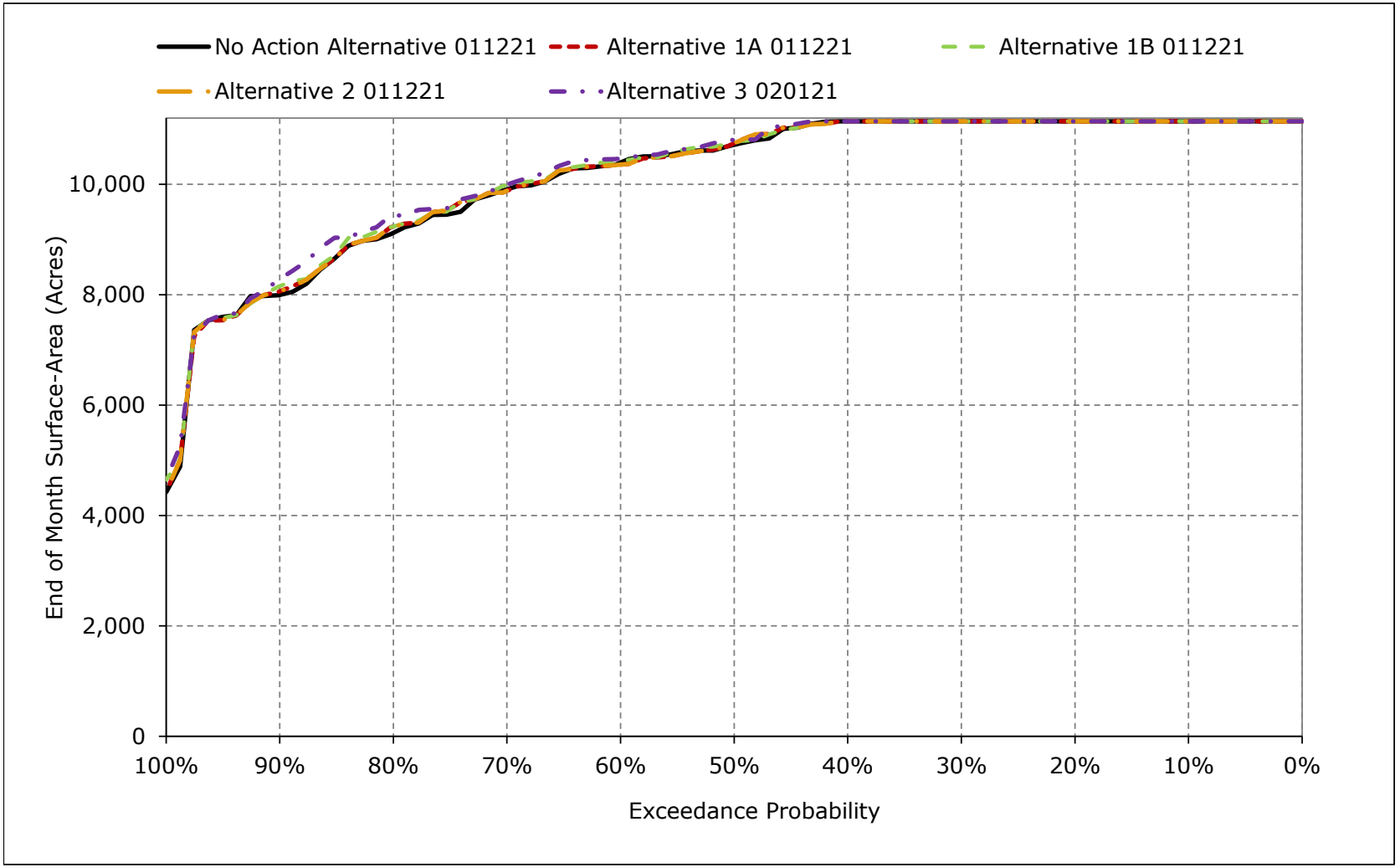


Figure 5B2-26-10. Folsom Lake Surface Area, July

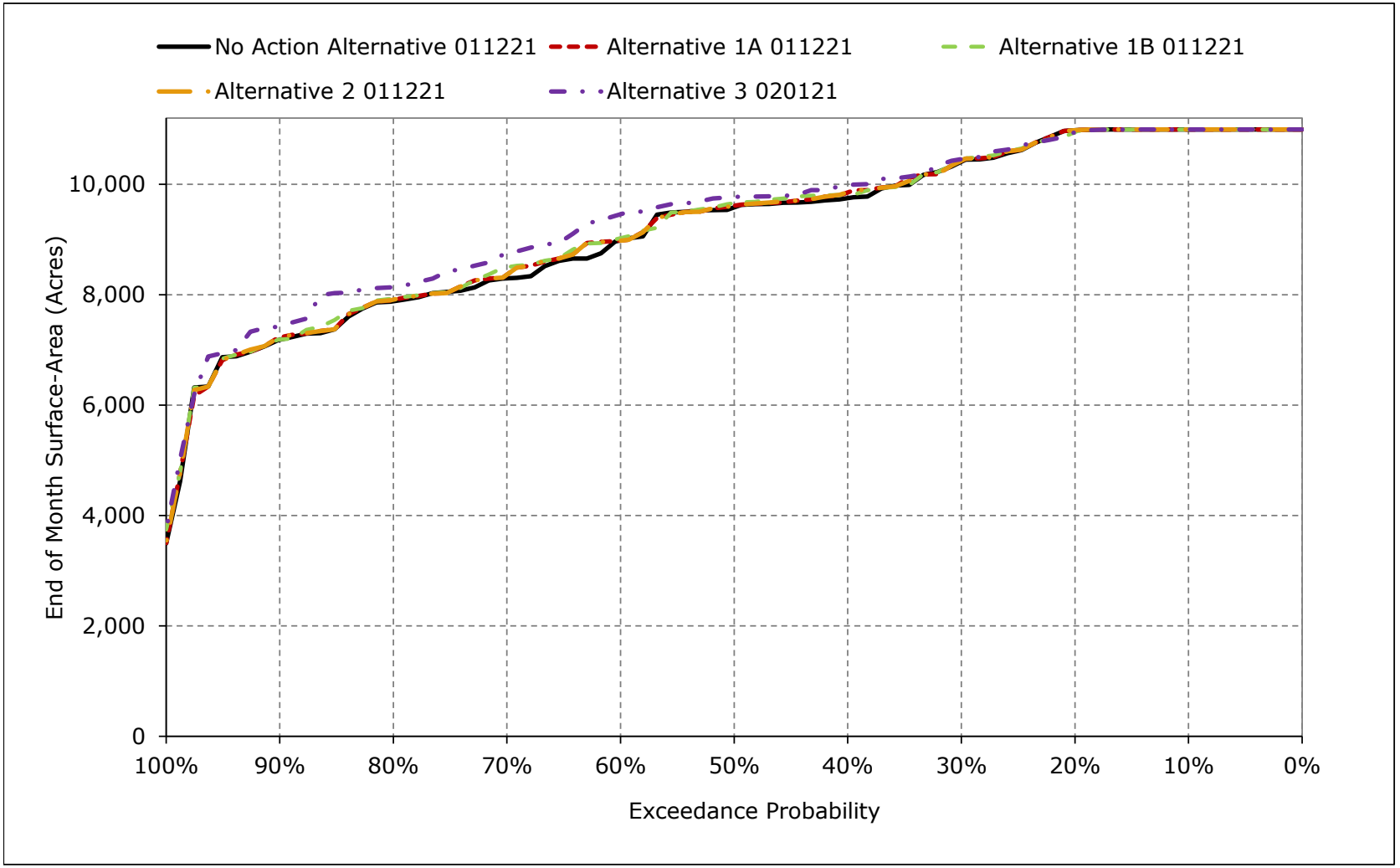


Figure 5B2-26-11. Folsom Lake Surface Area, August

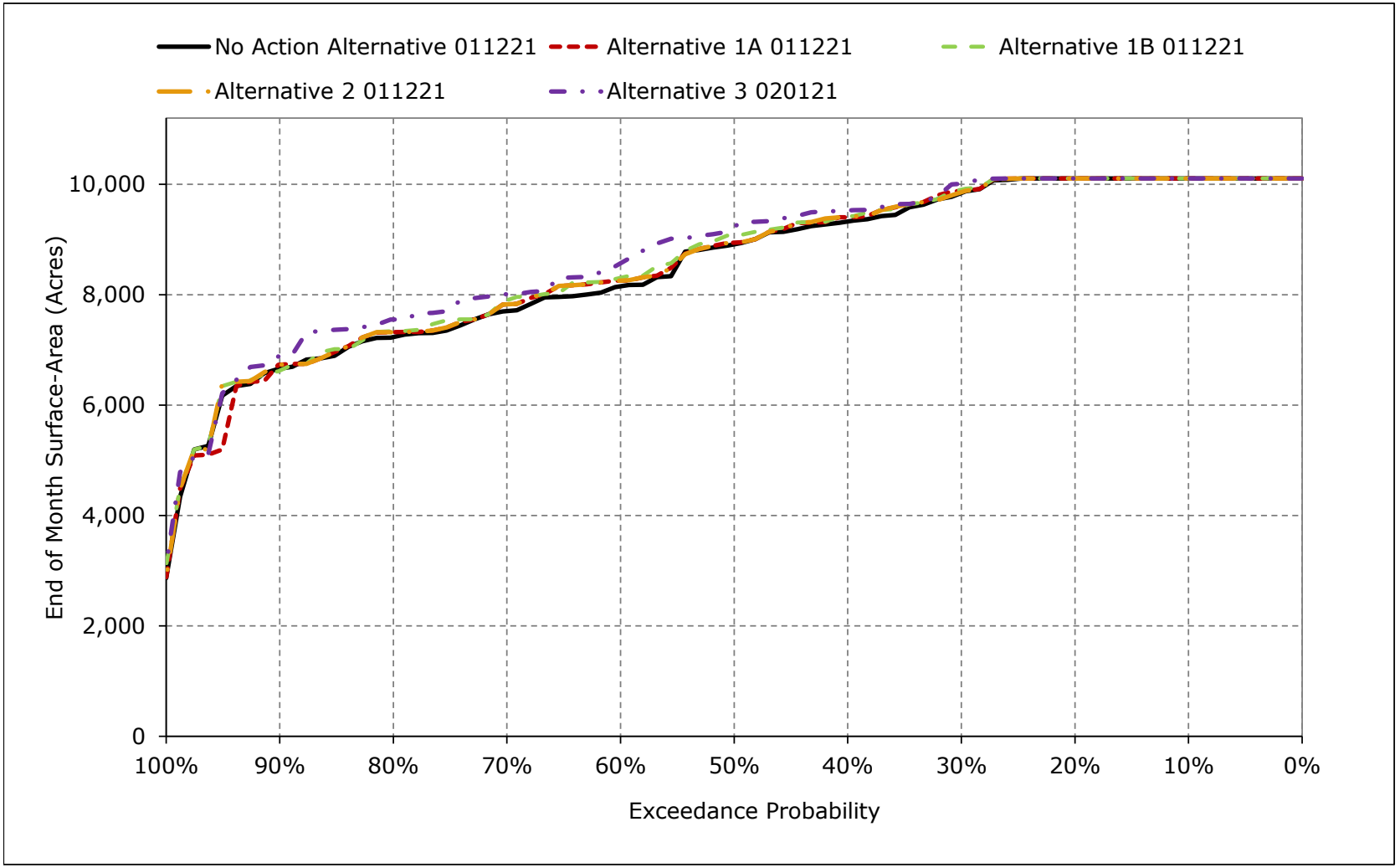


Figure 5B2-26-12. Folsom Lake Surface Area, September

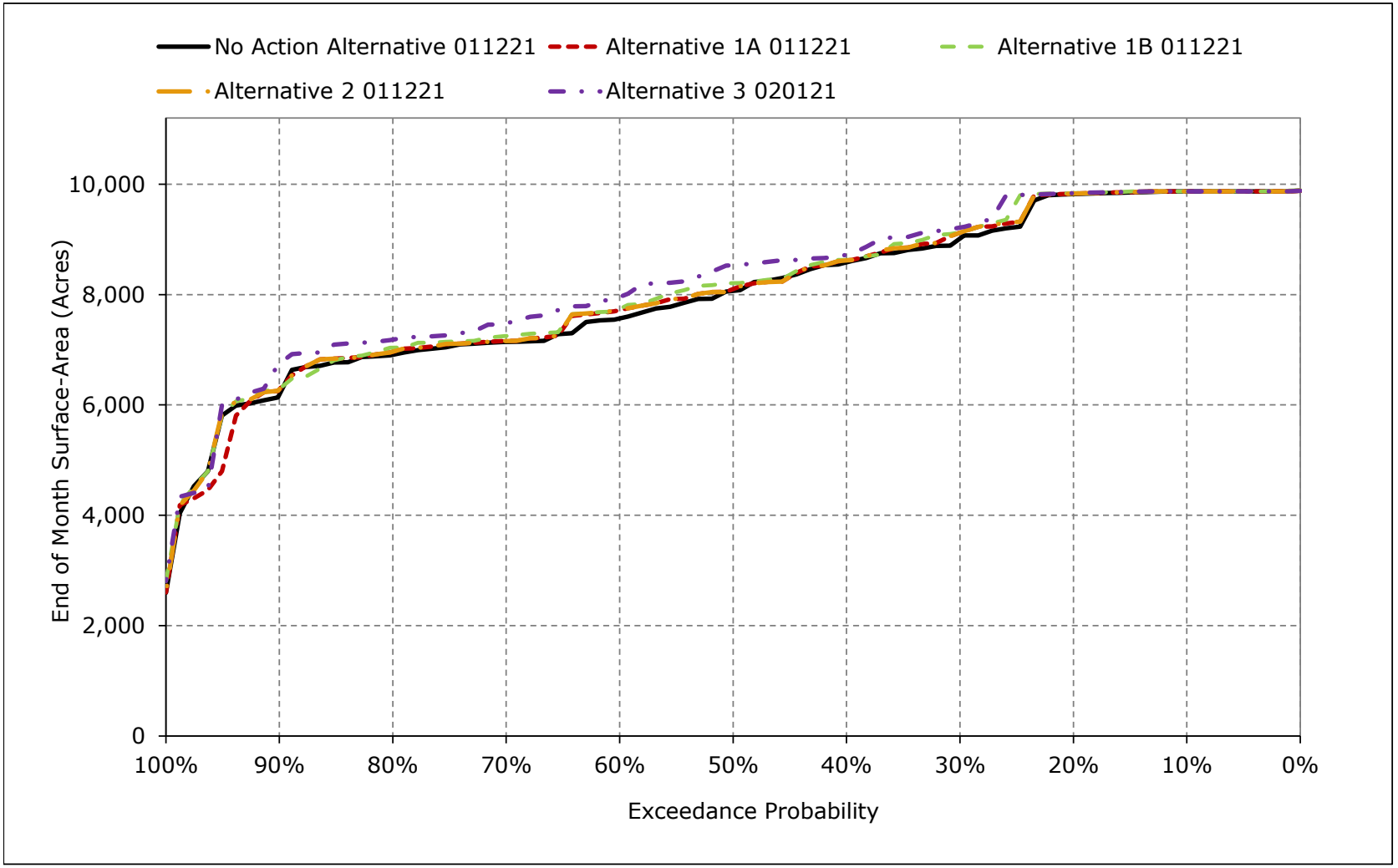


Table 5B2-27-1a. American River below Nimbus Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,876	4,794	7,259	10,824	11,622	8,543	6,686	9,393	5,936	5,095	3,808	3,054
20%	1,500	4,129	4,004	7,049	9,495	4,637	5,184	6,613	4,580	4,742	3,551	2,611
30%	1,500	3,459	2,890	4,957	6,745	3,389	3,923	5,665	3,699	3,897	2,815	2,329
40%	1,500	2,339	2,146	3,501	5,108	2,477	3,207	4,922	3,076	3,589	2,487	1,830
50%	1,500	2,000	2,000	1,872	3,501	1,798	2,395	4,019	2,704	2,926	2,009	1,750
60%	1,500	2,000	2,000	1,571	2,470	1,750	1,586	2,584	2,286	2,619	1,820	1,750
70%	1,199	1,291	1,914	1,400	1,847	1,750	1,351	1,844	2,002	2,399	1,750	1,644
80%	754	785	887	1,400	1,415	1,475	1,014	1,110	1,380	1,864	1,576	1,511
90%	625	619	640	739	1,400	953	953	953	852	1,316	1,080	885
Long Term												
Full Simulation Period[a]	1,366	2,618	3,371	4,436	5,336	3,381	3,237	4,343	3,198	3,150	2,329	1,939
Water Year Types[b,c]												
Wet (32%)	1,669	4,274	4,061	8,903	9,406	5,774	5,565	7,300	5,253	3,586	3,205	2,147
Above Normal (15%)	1,532	2,427	2,988	5,089	6,380	4,613	3,448	5,019	3,162	4,137	2,482	2,671
Below Normal (17%)	1,541	2,816	4,039	2,270	4,562	1,932	2,702	3,935	2,587	4,312	2,004	2,332
Dry (22%)	1,045	1,515	3,947	1,438	2,029	1,846	1,488	2,119	2,161	2,250	1,925	1,554
Critical (15%)	823	646	619	1,127	1,336	960	1,228	1,071	1,050	1,212	1,265	876

Table 5B2-27-1b. American River below Nimbus Dam Flow, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,886	4,795	7,259	10,824	11,622	8,474	6,691	9,393	5,936	5,129	3,795	3,059
20%	1,559	4,118	3,971	7,049	9,495	4,637	5,087	6,613	4,534	4,665	3,551	2,703
30%	1,500	3,399	2,876	4,957	6,744	3,389	3,924	5,665	3,687	3,844	2,841	2,227
40%	1,500	2,473	2,151	3,513	5,108	2,477	3,207	4,922	3,072	3,589	2,540	1,842
50%	1,500	2,002	2,000	1,896	3,502	1,798	2,352	4,019	2,628	2,913	2,009	1,750
60%	1,500	2,000	2,000	1,618	2,492	1,750	1,586	2,584	2,319	2,598	1,819	1,750
70%	1,216	1,408	1,914	1,400	1,868	1,750	1,351	1,776	1,901	2,373	1,750	1,644
80%	756	790	1,111	1,400	1,400	1,475	966	1,191	1,292	1,840	1,575	1,511
90%	637	637	649	672	1,400	953	953	953	852	1,276	885	885
Long Term												
Full Simulation Period[a]	1,387	2,668	3,398	4,425	5,329	3,378	3,221	4,343	3,174	3,114	2,322	1,944
Water Year Types[b,c]												
Wet (32%)	1,672	4,303	4,057	8,880	9,406	5,774	5,569	7,300	5,220	3,572	3,206	2,150
Above Normal (15%)	1,533	2,443	2,985	5,102	6,380	4,613	3,448	5,019	3,085	4,136	2,498	2,690
Below Normal (17%)	1,549	2,840	4,034	2,262	4,549	1,932	2,688	3,931	2,611	4,227	2,011	2,343
Dry (22%)	1,065	1,698	4,015	1,419	2,074	1,783	1,475	2,141	2,155	2,182	1,804	1,551
Critical (15%)	919	603	714	1,126	1,234	1,030	1,146	1,044	1,015	1,199	1,370	876

Table 5B2-27-1c. American River below Nimbus Dam Flow, 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%	9	0	0	0	0	-69	5	0	0	35	-14	4
20%	59	-11	-33	0	0	0	-97	0	-45	-77	0	91
30%	0	-60	-15	0	0	0	1	0	-12	-53	25	-101
40%	0	134	5	13	0	0	0	0	-4	1	53	11
50%	0	2	0	25	1	0	-43	0	-75	-13	0	0
60%	0	0	0	47	23	0	0	0	33	-21	-1	0
70%	18	117	0	0	21	0	0	-68	-101	-26	0	0
80%	1	5	224	0	-15	0	-48	81	-88	-24	-2	0
90%	11	17	9	-67	0	0	0	0	0	-40	-195	0
Long Term												
Full Simulation Period[a]	21	50	26	-11	-7	-4	-16	0	-24	-36	-7	5
Water Year Types[b,c]												
Wet (32%)	3	30	-3	-23	0	0	4	0	-33	-15	1	3
Above Normal (15%)	1	16	-3	13	1	0	0	0	-77	0	17	19
Below Normal (17%)	8	24	-5	-9	-13	0	-14	-3	23	-85	7	11
Dry (22%)	20	183	68	-19	46	-63	-13	22	-6	-69	-121	-3
Critical (15%)	96	-43	95	-1	-102	70	-82	-28	-35	-14	105	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 5B2-27-2a. American River below Nimbus Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,876	4,794	7,259	10,824	11,622	8,543	6,686	9,393	5,936	5,095	3,808	3,054
20%	1,500	4,129	4,004	7,049	9,495	4,637	5,184	6,613	4,580	4,742	3,551	2,611
30%	1,500	3,459	2,890	4,957	6,745	3,389	3,923	5,665	3,699	3,897	2,815	2,329
40%	1,500	2,339	2,146	3,501	5,108	2,477	3,207	4,922	3,076	3,589	2,487	1,830
50%	1,500	2,000	2,000	1,872	3,501	1,798	2,395	4,019	2,704	2,926	2,009	1,750
60%	1,500	2,000	2,000	1,571	2,470	1,750	1,586	2,584	2,286	2,619	1,820	1,750
70%	1,199	1,291	1,914	1,400	1,847	1,750	1,351	1,844	2,002	2,399	1,750	1,644
80%	754	785	887	1,400	1,415	1,475	1,014	1,110	1,380	1,864	1,576	1,511
90%	625	619	640	739	1,400	953	953	953	852	1,316	1,080	885
Long Term												
Full Simulation Period[a]	1,366	2,618	3,371	4,436	5,336	3,381	3,237	4,343	3,198	3,150	2,329	1,939
Water Year Types[b,c]												
Wet (32%)	1,669	4,274	4,061	8,903	9,406	5,774	5,565	7,300	5,253	3,586	3,205	2,147
Above Normal (15%)	1,532	2,427	2,988	5,089	6,380	4,613	3,448	5,019	3,162	4,137	2,482	2,671
Below Normal (17%)	1,541	2,816	4,039	2,270	4,562	1,932	2,702	3,935	2,587	4,312	2,004	2,332
Dry (22%)	1,045	1,515	3,947	1,438	2,029	1,846	1,488	2,119	2,161	2,250	1,925	1,554
Critical (15%)	823	646	619	1,127	1,336	960	1,228	1,071	1,050	1,212	1,265	876

Table 5B2-27-2b. American River below Nimbus Dam Flow, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,976	4,792	7,259	10,824	11,622	8,474	6,694	9,393	5,936	5,256	3,795	3,018
20%	1,619	4,107	4,091	7,049	9,495	4,637	5,179	6,613	4,535	4,626	3,531	2,615
30%	1,500	3,585	2,800	4,957	6,744	3,389	3,924	5,665	3,687	3,845	2,704	2,211
40%	1,500	2,397	2,188	3,695	5,108	2,466	3,207	4,922	2,975	3,469	2,335	1,841
50%	1,500	2,000	2,000	2,005	3,533	1,798	2,353	4,019	2,760	2,891	2,003	1,750
60%	1,500	2,000	2,000	1,593	2,565	1,750	1,556	2,584	2,260	2,614	1,753	1,750
70%	1,412	1,349	1,951	1,400	2,052	1,750	1,243	1,826	1,950	2,401	1,750	1,644
80%	768	760	1,132	1,400	1,415	1,475	966	1,179	1,279	1,873	1,576	1,511
90%	639	609	645	672	1,400	953	953	953	852	1,262	953	885
Long Term												
Full Simulation Period[a]	1,404	2,676	3,407	4,444	5,355	3,371	3,216	4,337	3,169	3,126	2,286	1,908
Water Year Types[b,c]												
Wet (32%)	1,678	4,288	4,066	8,908	9,406	5,774	5,570	7,300	5,220	3,573	3,206	2,142
Above Normal (15%)	1,531	2,613	2,993	5,189	6,391	4,613	3,448	5,017	3,057	4,154	2,403	2,490
Below Normal (17%)	1,523	2,885	4,063	2,269	4,570	1,930	2,701	3,932	2,563	4,233	2,003	2,320
Dry (22%)	1,154	1,583	4,024	1,419	2,097	1,774	1,449	2,104	2,174	2,228	1,815	1,551
Critical (15%)	918	639	702	1,102	1,346	997	1,133	1,060	1,035	1,184	1,210	876

Table 5B2-27-2c. American River below Nimbus Dam Flow, 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%	100	-3	0	0	0	-69	8	0	0	161	-14	-36
20%	119	-22	87	0	0	0	-5	0	-45	-117	-20	4
30%	0	126	-90	0	-1	0	1	0	-12	-52	-112	-118
40%	0	59	42	195	0	-10	0	0	-102	-120	-152	11
50%	0	0	0	133	32	0	-42	0	56	-35	-6	0
60%	0	0	0	22	95	0	-30	0	-26	-5	-67	0
70%	213	58	38	0	205	0	-108	-18	-52	1	0	0
80%	14	-25	245	0	0	0	-48	69	-101	9	-1	0
90%	14	-11	5	-67	0	0	0	0	0	-54	-126	0
Long Term												
Full Simulation Period[a]	37	58	36	8	19	-11	-21	-6	-29	-24	-43	-31
Water Year Types[b,c]												
Wet (32%)	9	15	5	4	0	0	5	0	-33	-13	1	-5
Above Normal (15%)	-1	185	5	100	11	0	0	-1	-105	18	-79	-181
Below Normal (17%)	-18	69	25	-1	8	-2	-1	-3	-24	-79	-1	-12
Dry (22%)	109	68	77	-20	69	-73	-39	-16	13	-22	-109	-3
Critical (15%)	95	-7	83	-25	10	37	-95	-11	-15	-29	-54	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 5B2-27-3a. American River below Nimbus Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,876	4,794	7,259	10,824	11,622	8,543	6,686	9,393	5,936	5,095	3,808	3,054
20%	1,500	4,129	4,004	7,049	9,495	4,637	5,184	6,613	4,580	4,742	3,551	2,611
30%	1,500	3,459	2,890	4,957	6,745	3,389	3,923	5,665	3,699	3,897	2,815	2,329
40%	1,500	2,339	2,146	3,501	5,108	2,477	3,207	4,922	3,076	3,589	2,487	1,830
50%	1,500	2,000	2,000	1,872	3,501	1,798	2,395	4,019	2,704	2,926	2,009	1,750
60%	1,500	2,000	2,000	1,571	2,470	1,750	1,586	2,584	2,286	2,619	1,820	1,750
70%	1,199	1,291	1,914	1,400	1,847	1,750	1,351	1,844	2,002	2,399	1,750	1,644
80%	754	785	887	1,400	1,415	1,475	1,014	1,110	1,380	1,864	1,576	1,511
90%	625	619	640	739	1,400	953	953	953	852	1,316	1,080	885
Long Term												
Full Simulation Period[a]	1,366	2,618	3,371	4,436	5,336	3,381	3,237	4,343	3,198	3,150	2,329	1,939
Water Year Types[b,c]												
Wet (32%)	1,669	4,274	4,061	8,903	9,406	5,774	5,565	7,300	5,253	3,586	3,205	2,147
Above Normal (15%)	1,532	2,427	2,988	5,089	6,380	4,613	3,448	5,019	3,162	4,137	2,482	2,671
Below Normal (17%)	1,541	2,816	4,039	2,270	4,562	1,932	2,702	3,935	2,587	4,312	2,004	2,332
Dry (22%)	1,045	1,515	3,947	1,438	2,029	1,846	1,488	2,119	2,161	2,250	1,925	1,554
Critical (15%)	823	646	619	1,127	1,336	960	1,228	1,071	1,050	1,212	1,265	876

Table 5B2-27-3b. American River below Nimbus Dam Flow, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,886	4,795	7,259	10,824	11,622	8,474	6,694	9,393	5,936	5,123	3,795	3,039
20%	1,558	4,115	3,971	7,049	9,495	4,637	5,131	6,613	4,532	4,678	3,531	2,703
30%	1,500	3,397	2,874	4,957	6,744	3,389	3,924	5,665	3,687	3,844	2,751	2,227
40%	1,500	2,495	2,151	3,602	5,108	2,477	3,207	4,922	3,072	3,589	2,461	1,842
50%	1,500	2,000	2,000	1,896	3,502	1,798	2,352	4,019	2,627	2,911	2,004	1,750
60%	1,500	2,000	2,000	1,618	2,656	1,750	1,586	2,584	2,320	2,598	1,818	1,750
70%	1,216	1,405	1,914	1,400	2,002	1,750	1,351	1,855	1,904	2,373	1,750	1,644
80%	756	834	1,106	1,400	1,415	1,475	966	1,191	1,331	1,840	1,575	1,511
90%	637	637	649	672	1,400	953	953	953	852	1,276	885	885
Long Term												
Full Simulation Period[a]	1,388	2,669	3,393	4,430	5,353	3,373	3,222	4,346	3,177	3,113	2,301	1,938
Water Year Types[b,c]												
Wet (32%)	1,672	4,303	4,057	8,884	9,406	5,774	5,570	7,300	5,220	3,572	3,207	2,150
Above Normal (15%)	1,533	2,446	2,985	5,102	6,380	4,613	3,448	5,019	3,084	4,138	2,498	2,686
Below Normal (17%)	1,550	2,828	4,034	2,284	4,556	1,932	2,697	3,931	2,610	4,225	2,026	2,312
Dry (22%)	1,065	1,687	4,019	1,419	2,102	1,786	1,475	2,141	2,155	2,177	1,804	1,552
Critical (15%)	923	638	677	1,126	1,352	992	1,146	1,066	1,035	1,199	1,205	876

Table 5B2-27-3c. American River below Nimbus Dam Flow, 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%	10	0	0	0	0	-69	8	0	0	28	-14	-15
20%	58	-14	-34	0	0	0	-53	0	-47	-64	-20	92
30%	0	-62	-16	0	0	0	1	0	-12	-53	-65	-102
40%	0	157	5	102	0	0	0	0	-4	0	-26	11
50%	0	0	0	25	1	0	-43	0	-77	-15	-6	0
60%	0	0	0	48	186	0	0	0	33	-21	-2	0
70%	18	114	0	0	155	0	0	11	-97	-26	0	0
80%	1	49	219	0	0	0	-48	81	-49	-24	-1	0
90%	11	17	9	-67	0	0	0	0	0	-40	-195	0
Long Term												
Full Simulation Period[a]	22	51	22	-6	18	-9	-14	3	-21	-37	-29	-1
Water Year Types[b,c]												
Wet (32%)	3	29	-4	-20	0	0	5	0	-33	-15	1	3
Above Normal (15%)	1	19	-4	13	0	0	0	0	-77	1	16	15
Below Normal (17%)	9	12	-5	13	-7	0	-5	-4	23	-87	22	-20
Dry (22%)	20	172	72	-19	74	-60	-13	22	-5	-73	-121	-2
Critical (15%)	100	-8	58	-1	17	32	-82	-5	-16	-13	-59	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 5B2-27-4a. American River below Nimbus Dam Flow, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,876	4,794	7,259	10,824	11,622	8,543	6,686	9,393	5,936	5,095	3,808	3,054
20%	1,500	4,129	4,004	7,049	9,495	4,637	5,184	6,613	4,580	4,742	3,551	2,611
30%	1,500	3,459	2,890	4,957	6,745	3,389	3,923	5,665	3,699	3,897	2,815	2,329
40%	1,500	2,339	2,146	3,501	5,108	2,477	3,207	4,922	3,076	3,589	2,487	1,830
50%	1,500	2,000	2,000	1,872	3,501	1,798	2,395	4,019	2,704	2,926	2,009	1,750
60%	1,500	2,000	2,000	1,571	2,470	1,750	1,586	2,584	2,286	2,619	1,820	1,750
70%	1,199	1,291	1,914	1,400	1,847	1,750	1,351	1,844	2,002	2,399	1,750	1,644
80%	754	785	887	1,400	1,415	1,475	1,014	1,110	1,380	1,864	1,576	1,511
90%	625	619	640	739	1,400	953	953	953	852	1,316	1,080	885
Long Term												
Full Simulation Period[a]	1,366	2,618	3,371	4,436	5,336	3,381	3,237	4,343	3,198	3,150	2,329	1,939
Water Year Types[b,c]												
Wet (32%)	1,669	4,274	4,061	8,903	9,406	5,774	5,565	7,300	5,253	3,586	3,205	2,147
Above Normal (15%)	1,532	2,427	2,988	5,089	6,380	4,613	3,448	5,019	3,162	4,137	2,482	2,671
Below Normal (17%)	1,541	2,816	4,039	2,270	4,562	1,932	2,702	3,935	2,587	4,312	2,004	2,332
Dry (22%)	1,045	1,515	3,947	1,438	2,029	1,846	1,488	2,119	2,161	2,250	1,925	1,554
Critical (15%)	823	646	619	1,127	1,336	960	1,228	1,071	1,050	1,212	1,265	876

Table 5B2-27-4b. American River below Nimbus Dam Flow, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,825	4,792	7,259	10,824	11,622	8,518	6,694	9,393	5,936	4,892	3,795	3,042
20%	1,500	4,186	4,474	7,049	9,495	4,637	5,093	6,613	4,488	4,192	3,551	2,440
30%	1,500	3,778	2,910	4,957	6,742	3,389	3,924	5,665	3,687	3,642	2,863	2,161
40%	1,500	2,338	2,284	3,701	5,108	2,477	3,207	4,922	2,925	3,077	2,562	1,826
50%	1,500	2,000	2,000	2,163	3,533	1,799	2,395	4,019	2,570	2,753	2,162	1,750
60%	1,500	2,000	2,000	1,666	2,704	1,750	1,715	2,584	2,142	2,520	1,851	1,750
70%	1,379	1,474	2,000	1,400	1,813	1,750	1,470	1,660	1,779	2,365	1,750	1,644
80%	794	918	1,273	1,400	1,400	1,481	1,014	1,082	1,220	1,776	1,583	1,511
90%	645	609	640	705	1,400	953	953	953	828	1,290	1,111	885
Long Term												
Full Simulation Period[a]	1,382	2,742	3,462	4,510	5,330	3,385	3,245	4,317	3,120	2,920	2,356	1,891
Water Year Types[b,c]												
Wet (32%)	1,672	4,294	4,064	8,997	9,405	5,774	5,570	7,300	5,220	3,571	3,206	2,147
Above Normal (15%)	1,527	2,854	3,059	5,201	6,390	4,613	3,448	5,017	3,008	3,530	2,558	2,305
Below Normal (17%)	1,546	2,973	4,210	2,336	4,568	1,932	2,689	3,934	2,498	3,678	2,014	2,368
Dry (22%)	1,183	1,570	4,181	1,511	2,115	1,846	1,512	2,045	2,029	2,124	1,888	1,553
Critical (15%)	714	758	609	1,128	1,154	985	1,251	1,006	1,041	1,210	1,412	876

Table 5B2-27-4c. American River below Nimbus Dam Flow, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

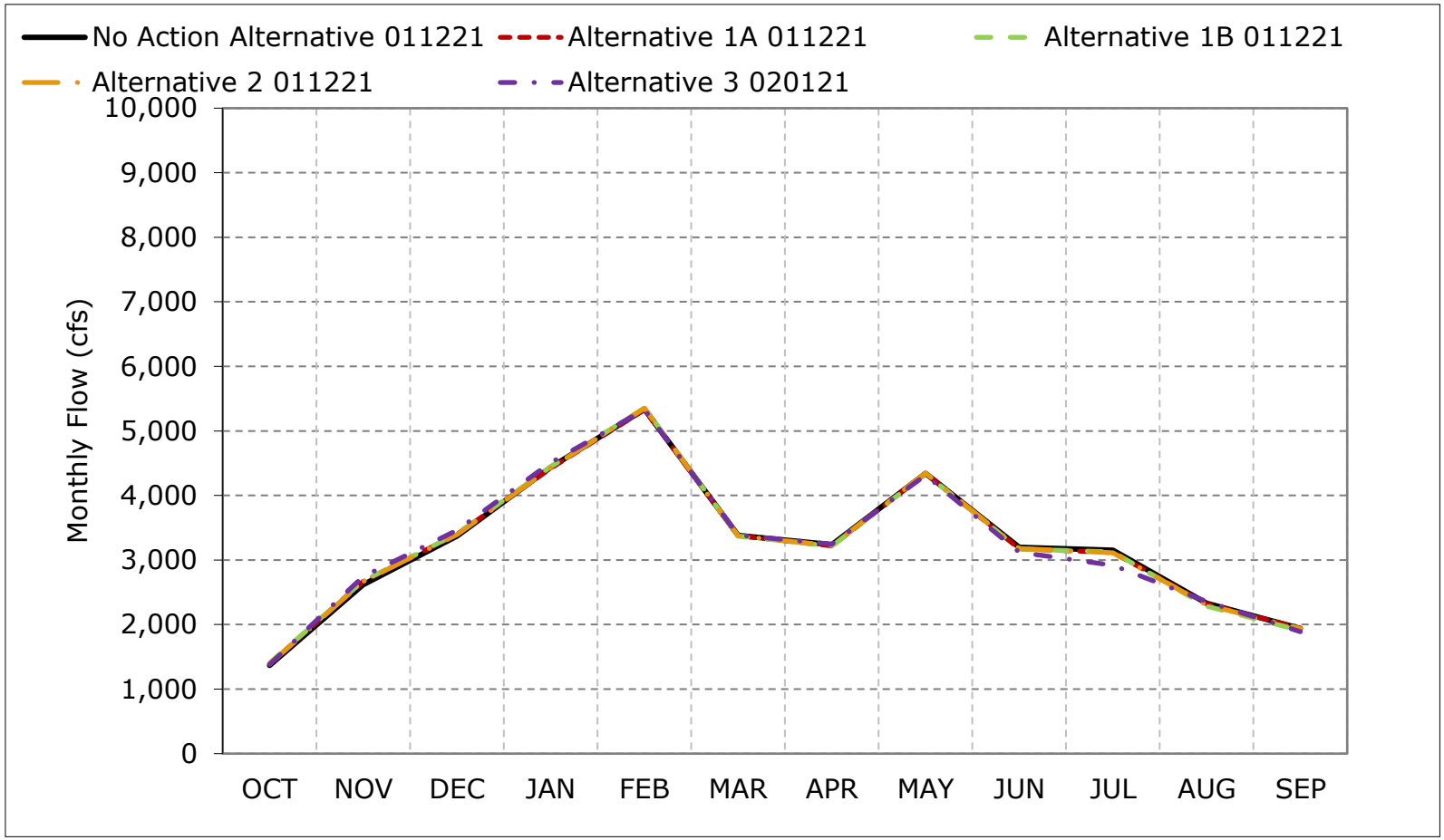
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-51	-3	0	0	0	-25	8	0	0	-203	-14	-13
20%	0	57	470	0	0	0	-91	0	-92	-550	0	-172
30%	0	319	20	0	-3	0	1	0	-12	-255	48	-168
40%	0	0	138	201	0	0	0	0	-152	-512	74	-5
50%	0	0	0	291	32	1	0	0	-134	-174	153	0
60%	0	0	0	95	234	0	129	0	-144	-99	31	0
70%	180	183	86	0	-34	0	119	-184	-223	-34	0	0
80%	40	133	386	0	-15	6	0	-28	-160	-88	7	0
90%	19	-11	0	-34	0	0	0	0	-24	-26	31	0
Long Term												
Full Simulation Period[a]	15	124	91	74	-5	3	8	-26	-78	-230	27	-48
Water Year Types[b,c]												
Wet (32%)	3	20	4	94	-1	0	5	0	-33	-15	1	0
Above Normal (15%)	-5	427	71	112	11	0	0	-1	-154	-606	76	-366
Below Normal (17%)	5	158	172	66	6	0	-13	-1	-89	-634	10	36
Dry (22%)	138	55	234	73	86	-1	24	-74	-132	-126	-37	-1
Critical (15%)	-109	112	-10	1	-182	25	23	-66	-9	-2	147	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).

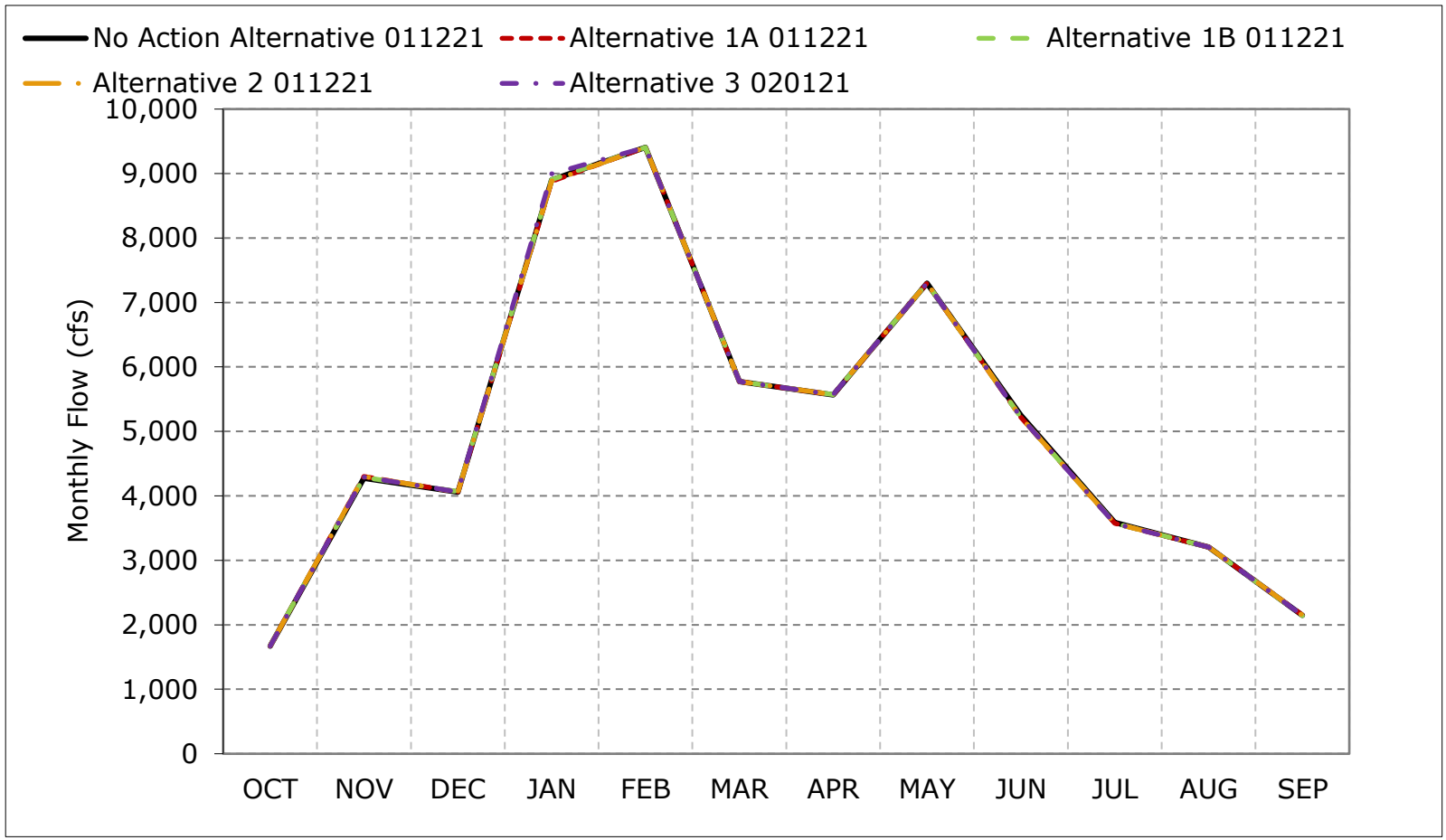
c These results are displayed with calendar year - year type sorting.

Figure 5B2-27-1. American River below Nimbus Dam Flow, Long-Term Average Flow



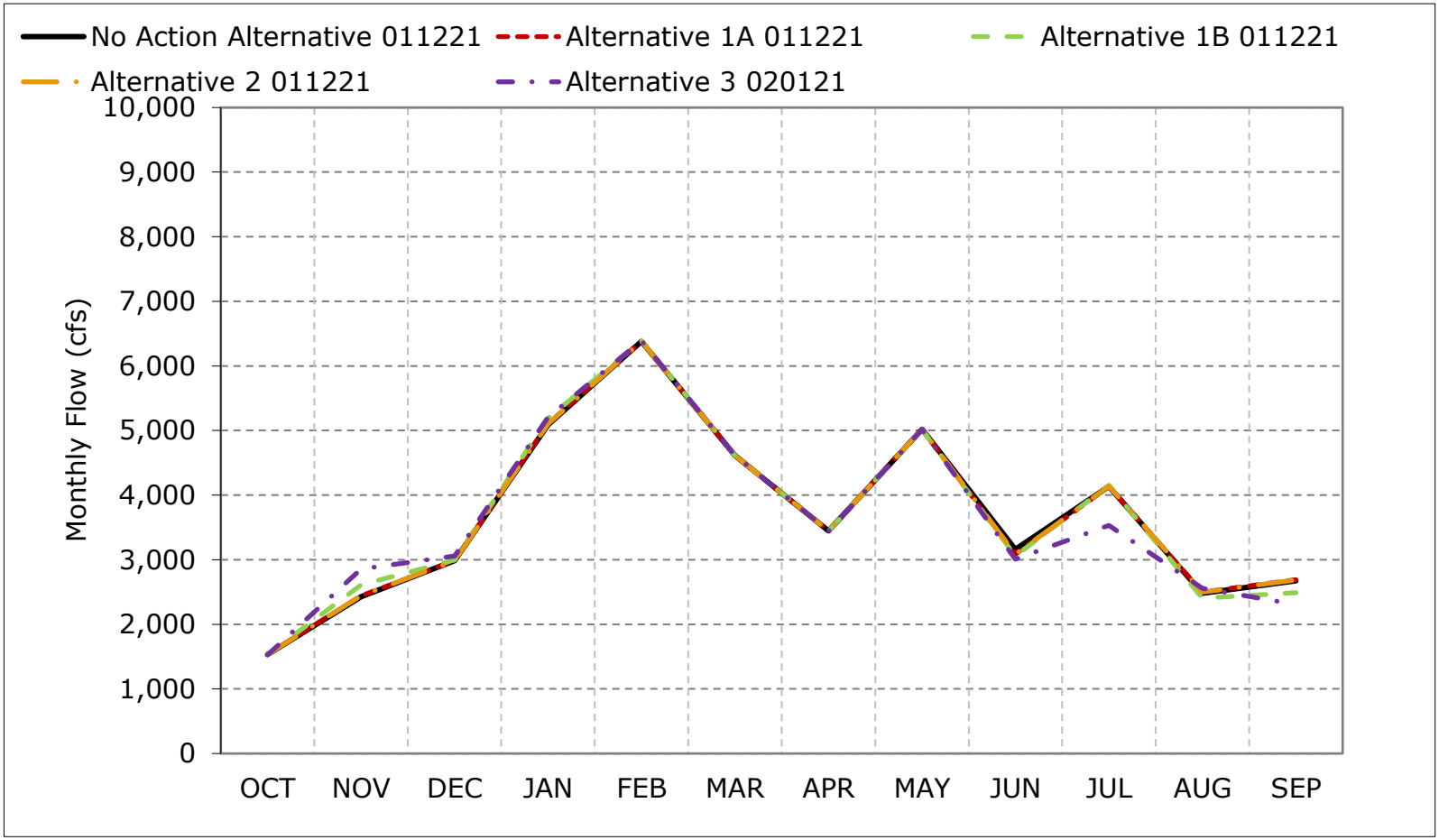
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-27-2. American River below Nimbus Dam Flow, Wet Year Average Flow



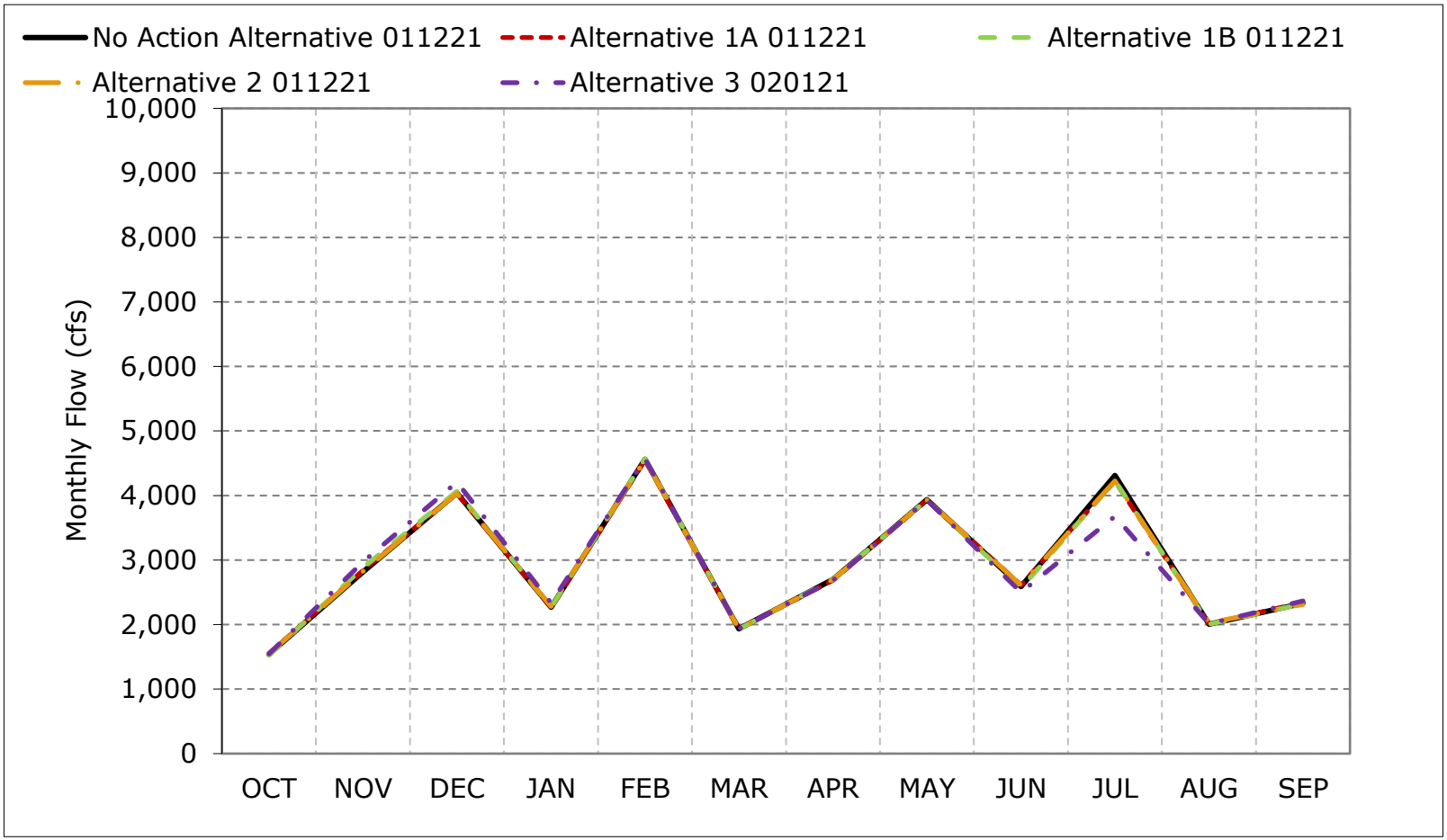
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-27-3. American River below Nimbus Dam Flow, Above Normal Year Average Flow



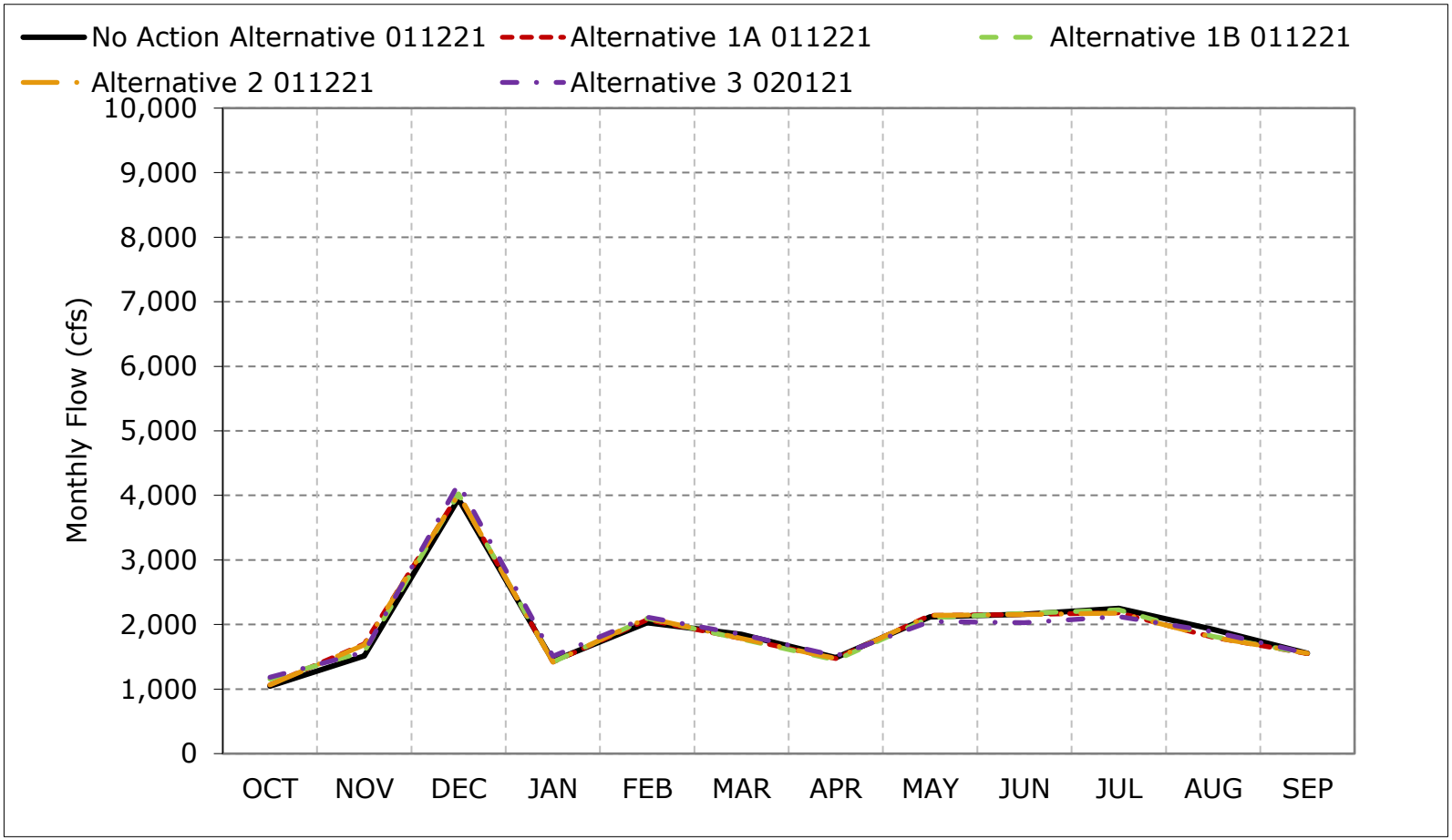
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-27-4. American River below Nimbus Dam Flow, Below Normal Year Average Flow



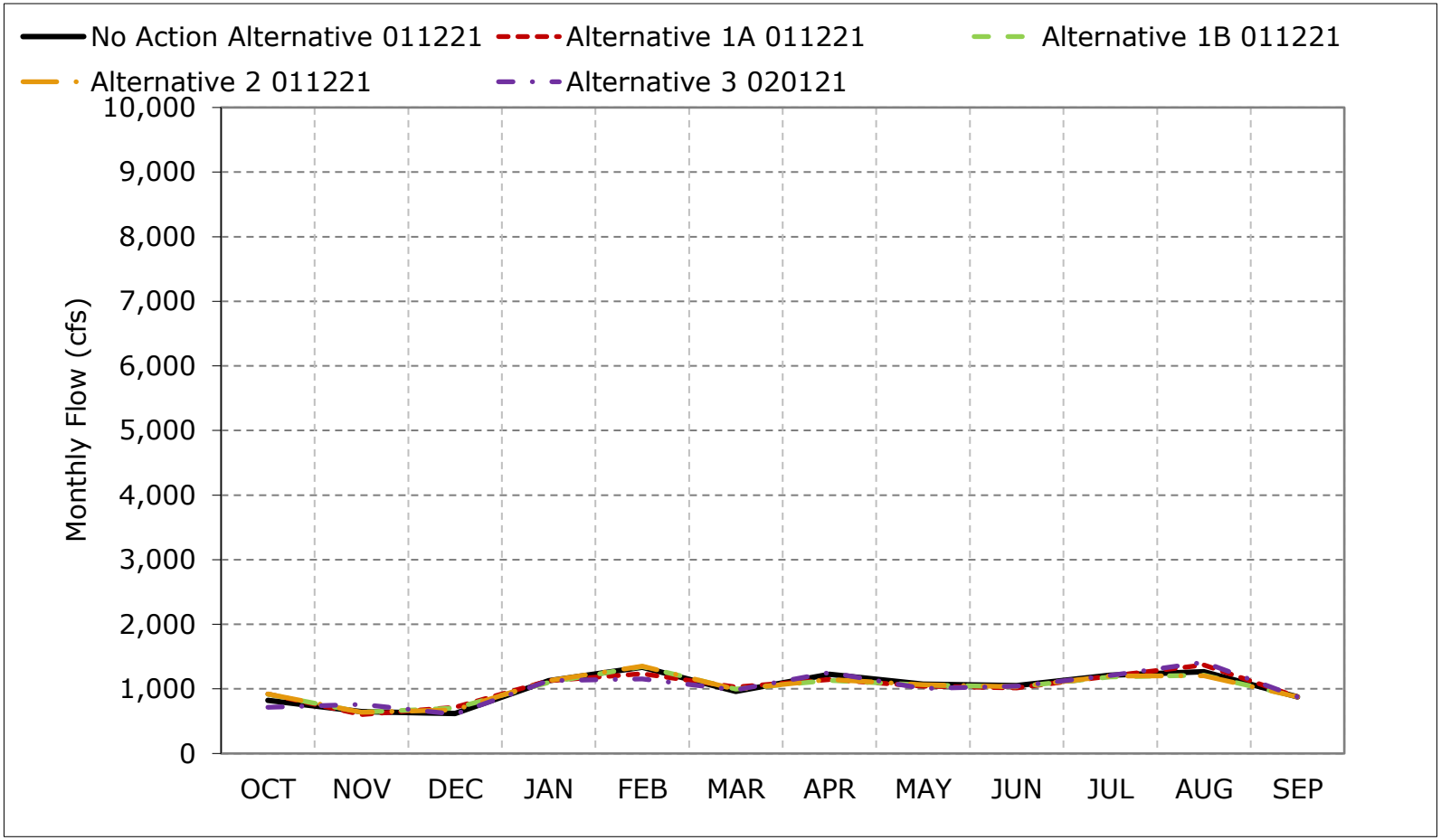
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-27-5. American River below Nimbus Dam Flow, 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 5B2-27-6. American River below Nimbus Dam Flow, 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 5B2-27-7. American River below Nimbus Dam Flow, October

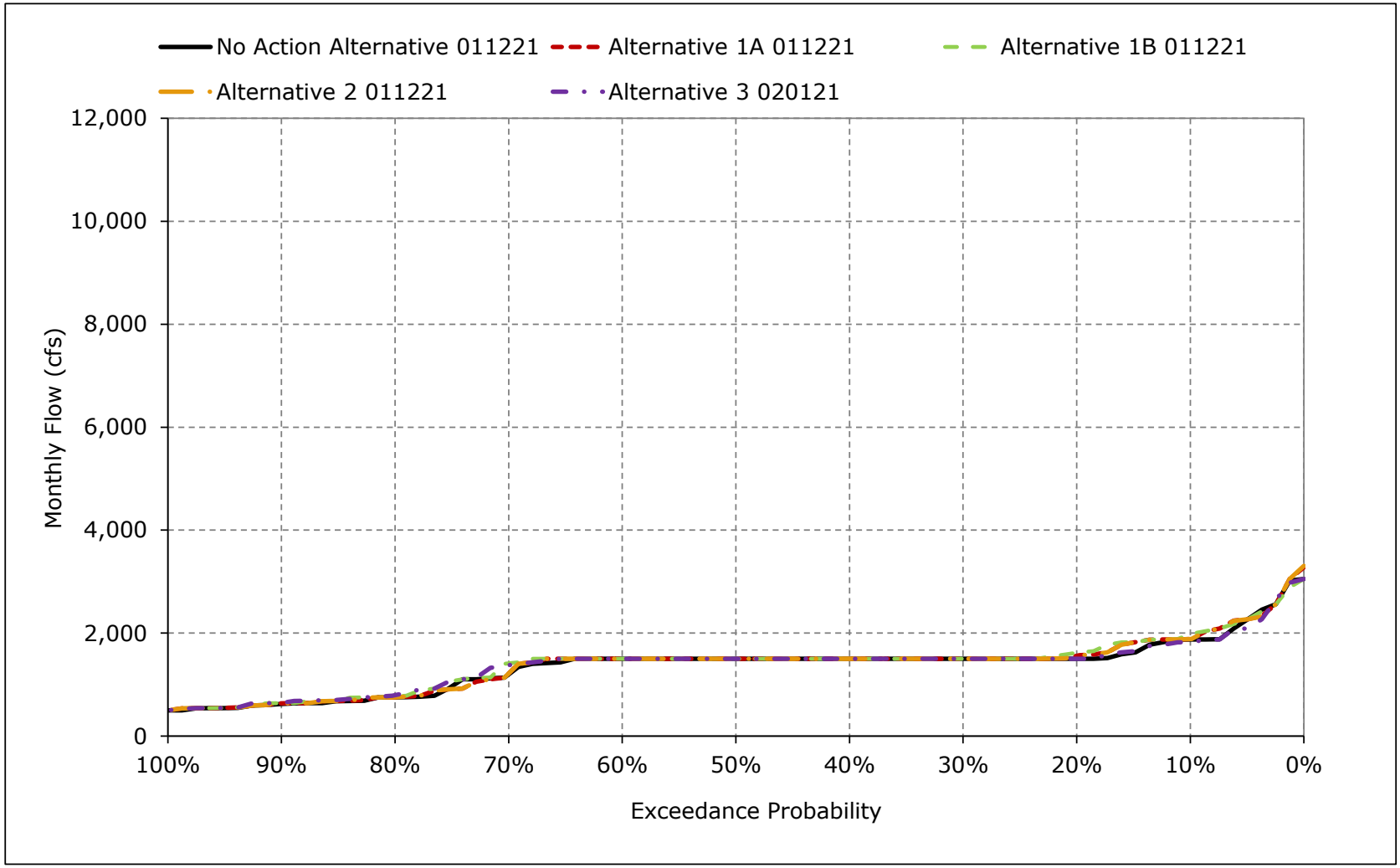


Figure 5B2-27-8. American River below Nimbus Dam Flow, November

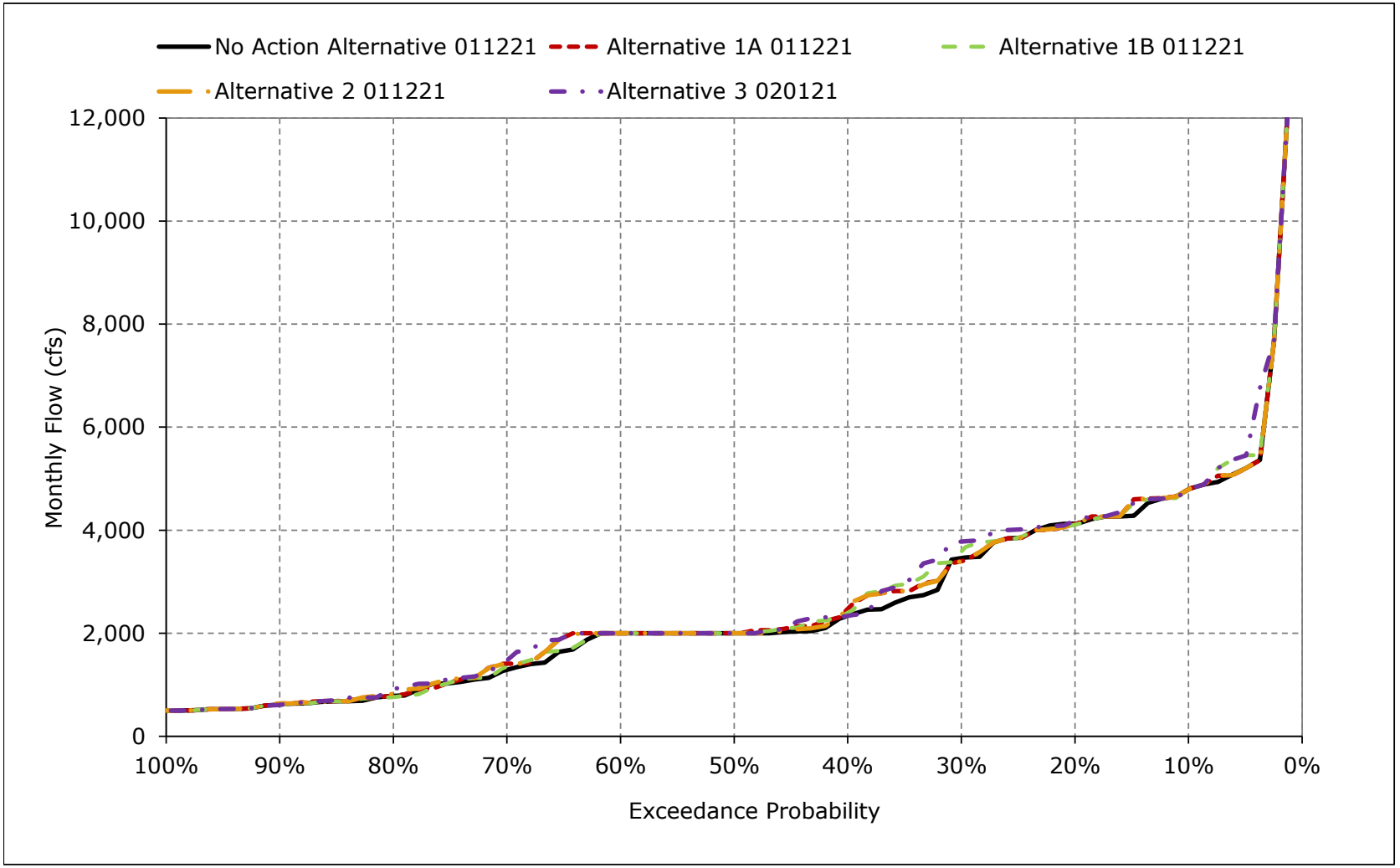


Figure 5B2-27-9. American River below Nimbus Dam Flow, December

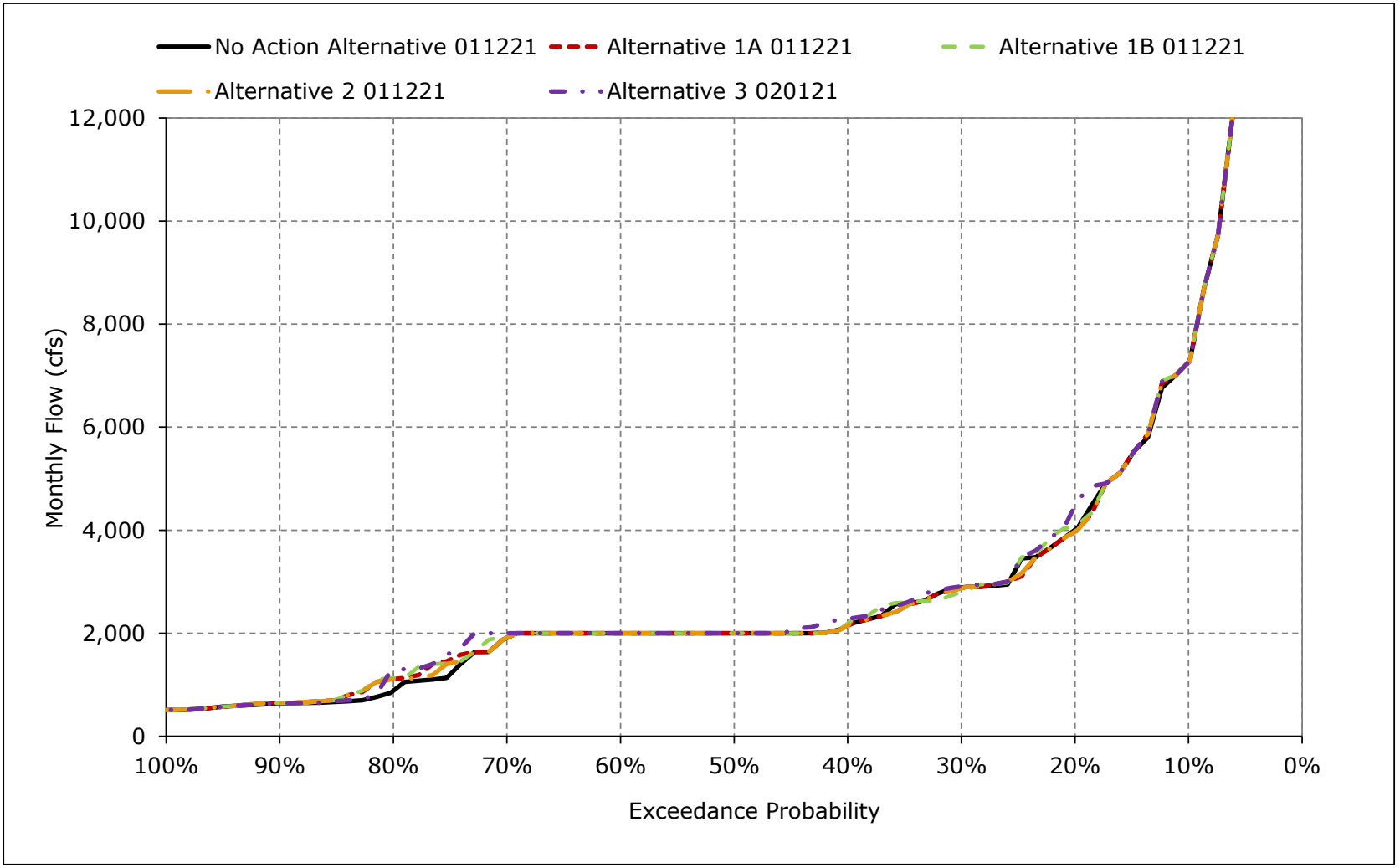


Figure 5B2-27-10. American River below Nimbus Dam Flow, January

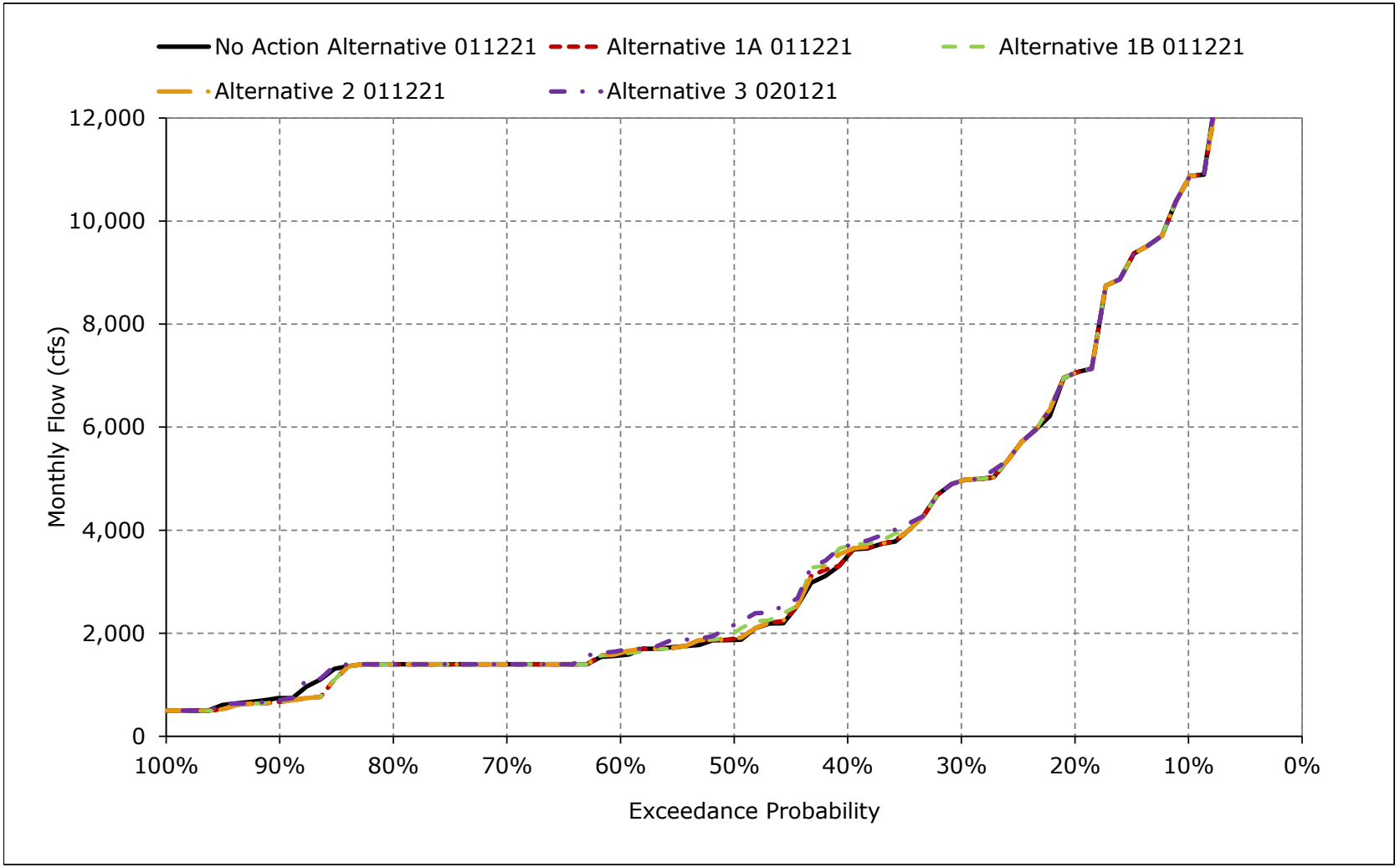


Figure 5B2-27-11. American River below Nimbus Dam Flow, February

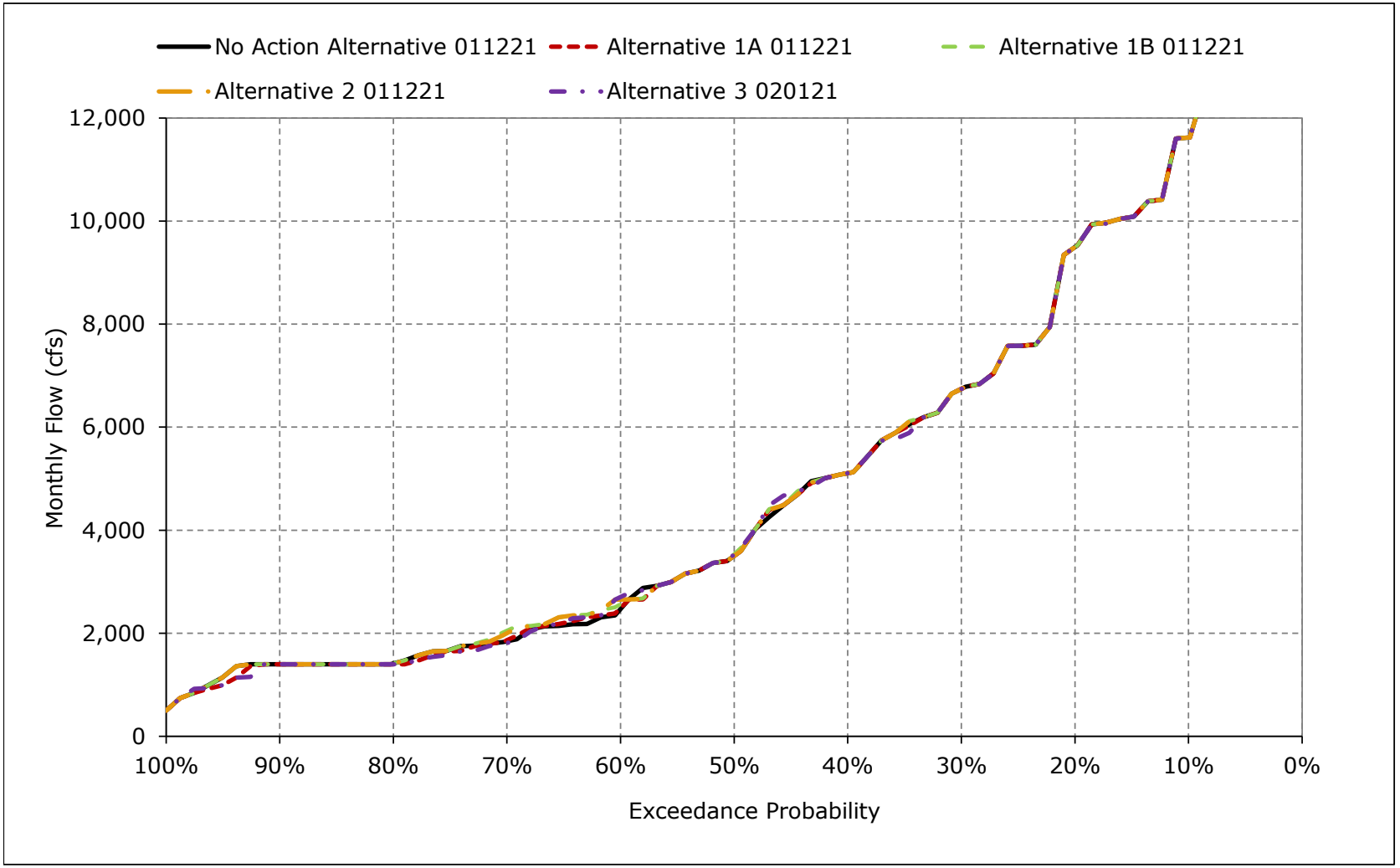


Figure 5B2-27-12. American River below Nimbus Dam Flow, March

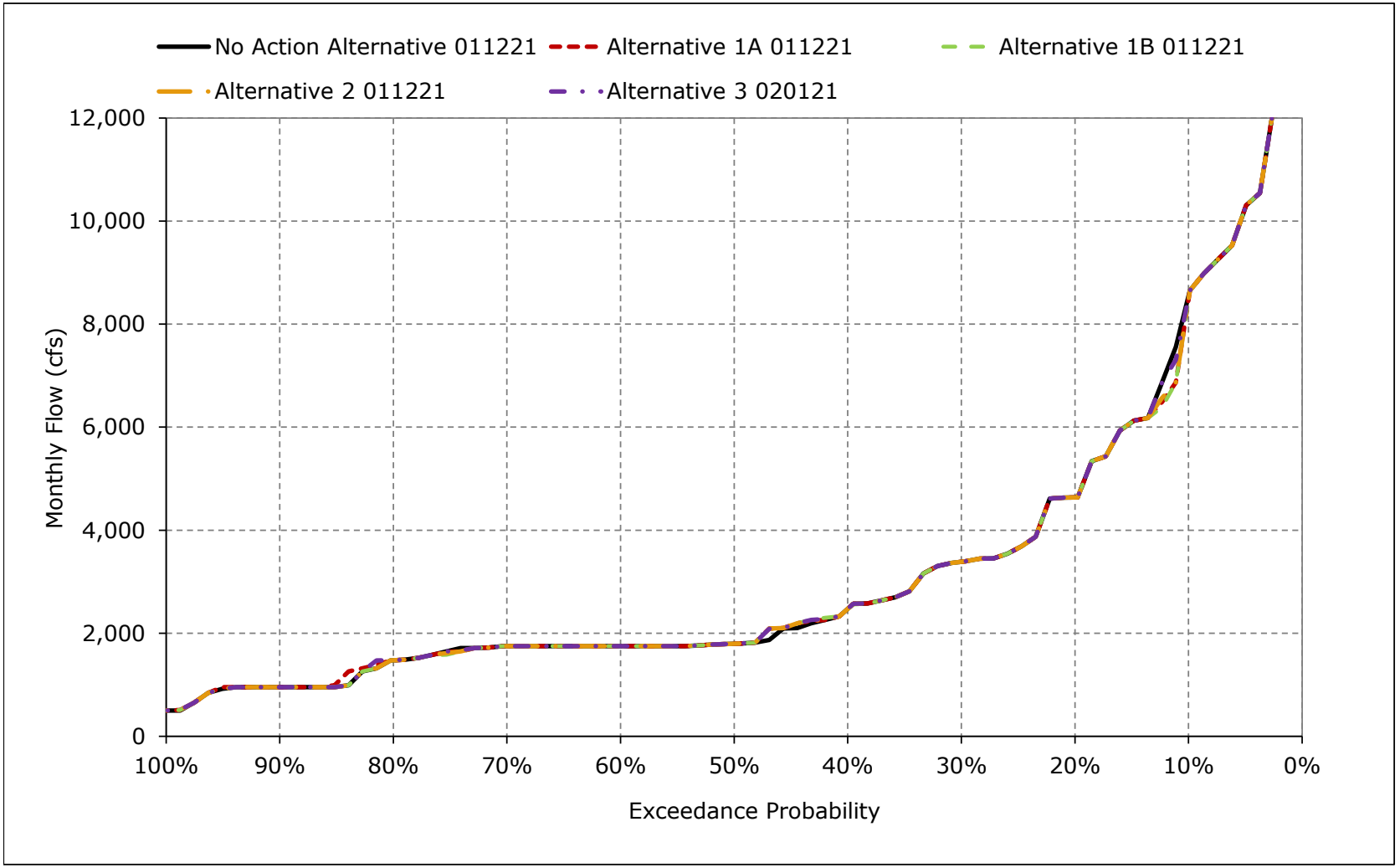


Figure 5B2-27-13. American River below Nimbus Dam Flow, April

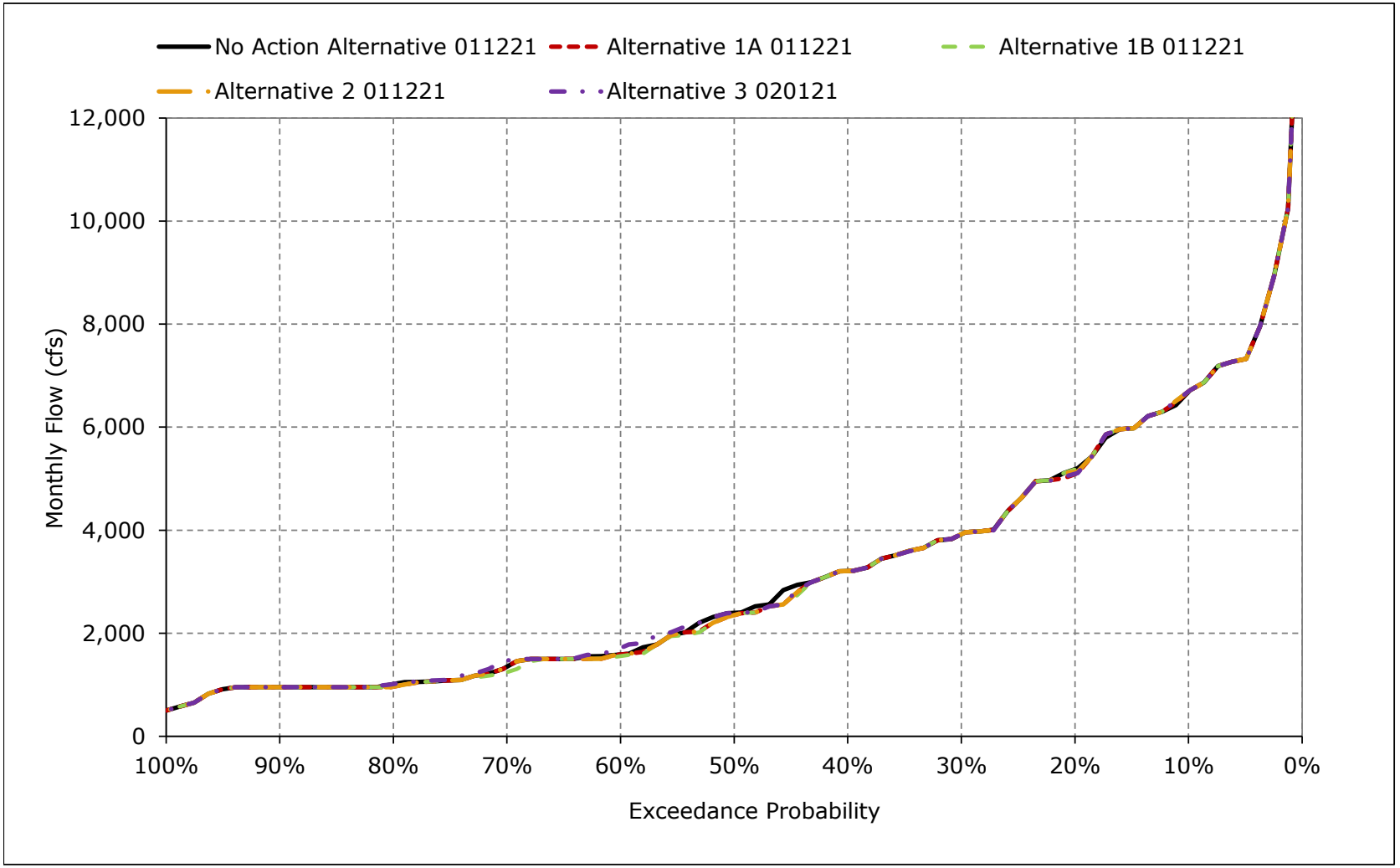


Figure 5B2-27-14. American River below Nimbus Dam Flow, May

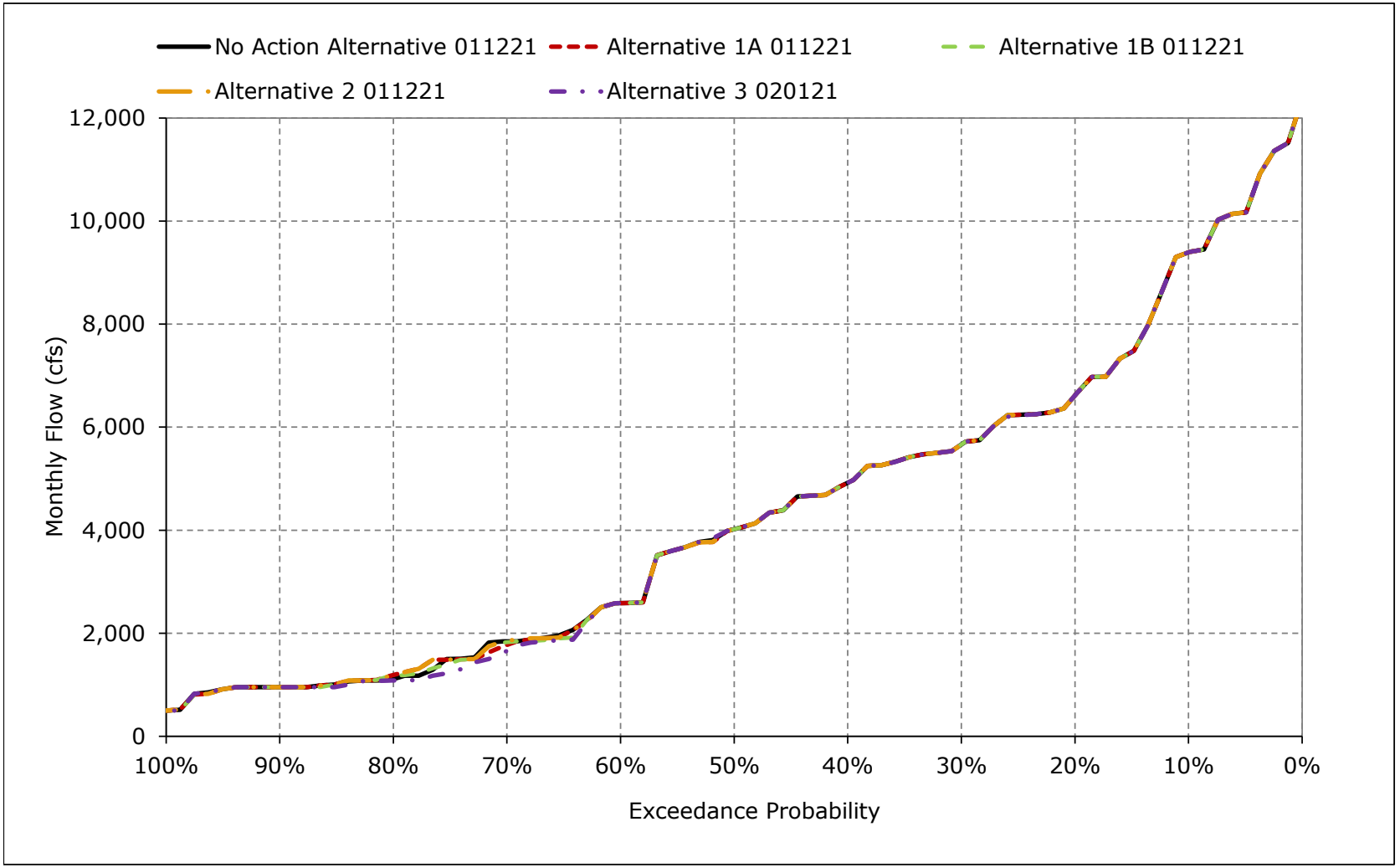


Figure 5B2-27-15. American River below Nimbus Dam Flow, June

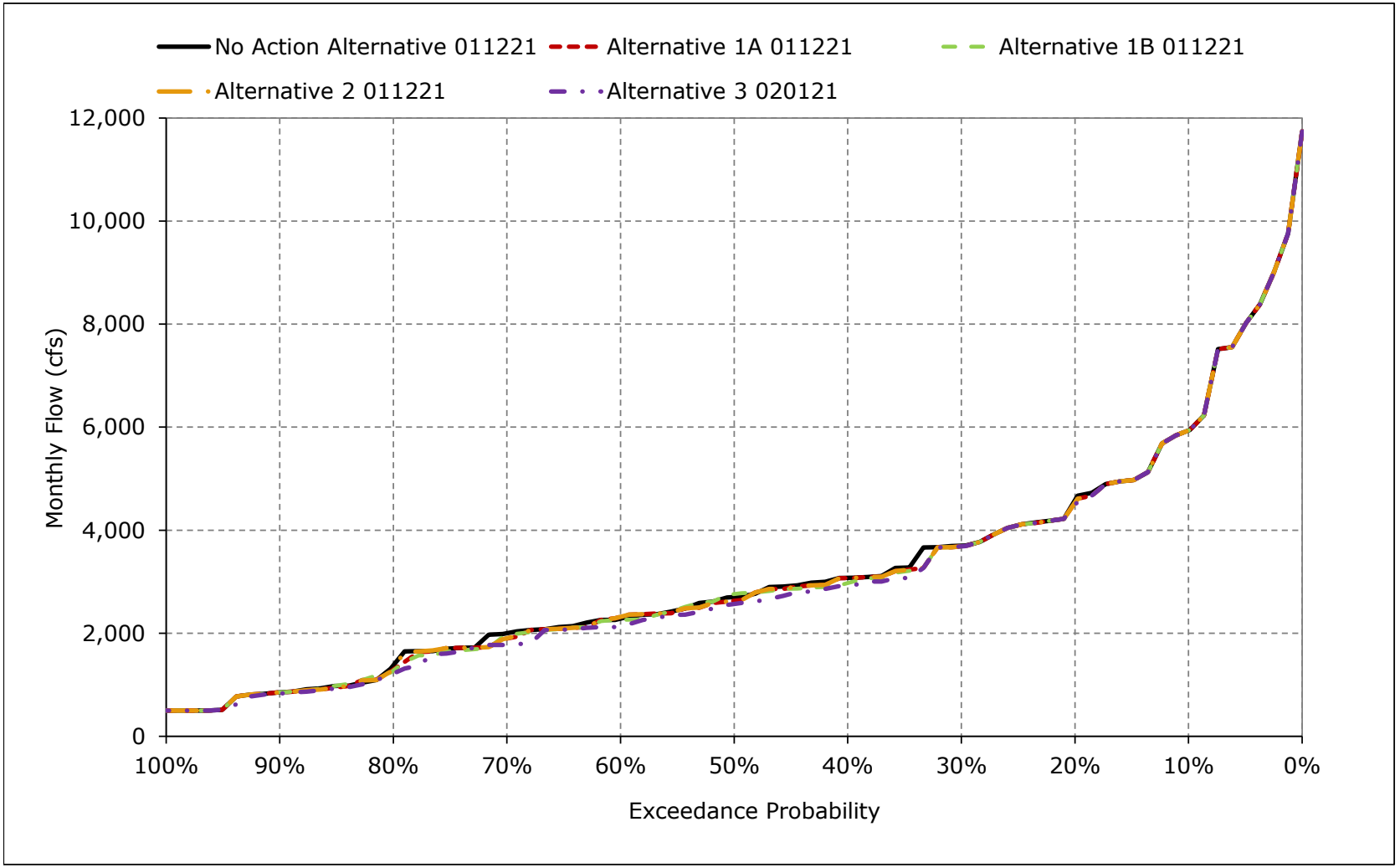


Figure 5B2-27-16. American River below Nimbus Dam Flow, July

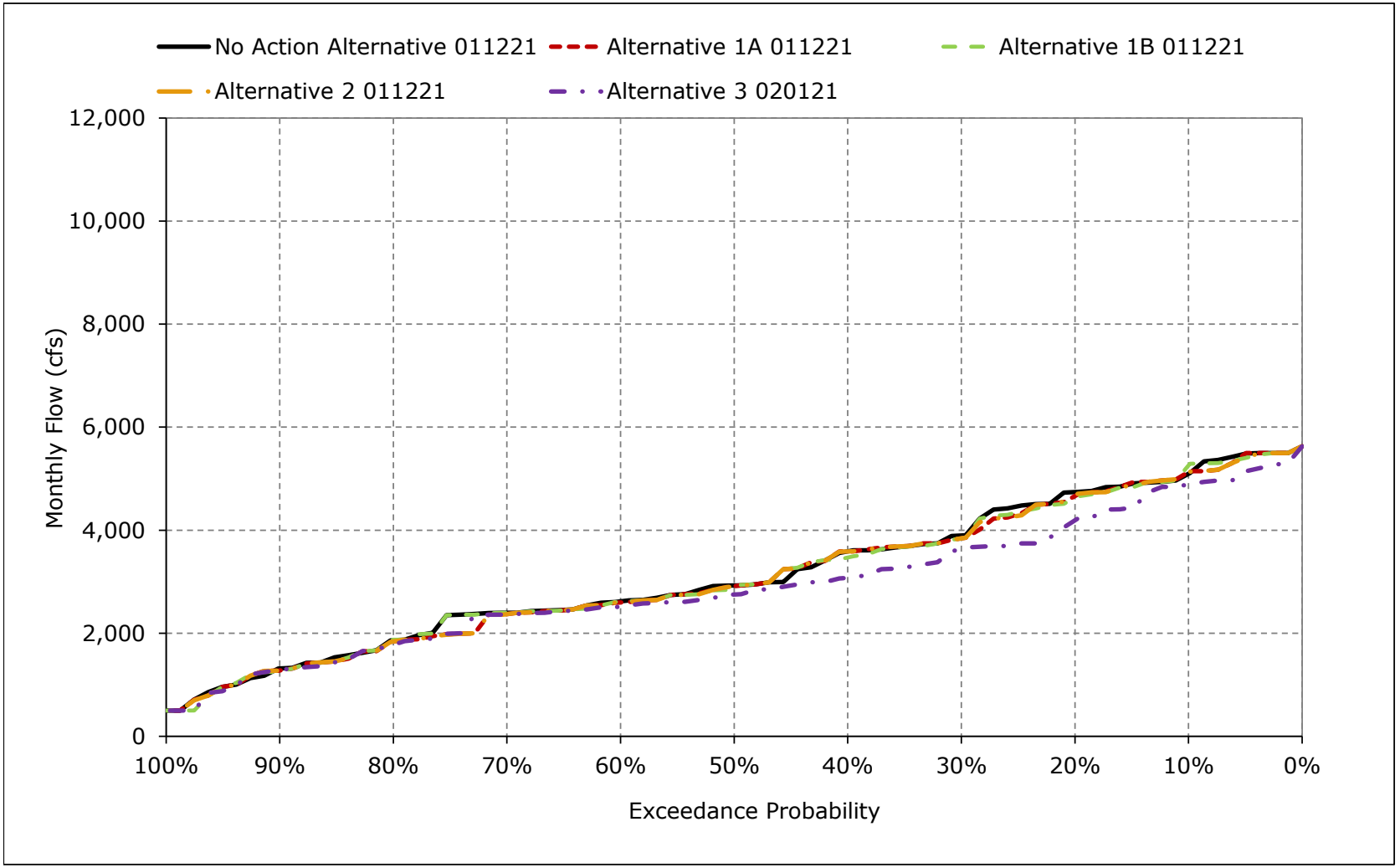


Figure 5B2-27-17. American River below Nimbus Dam Flow, August

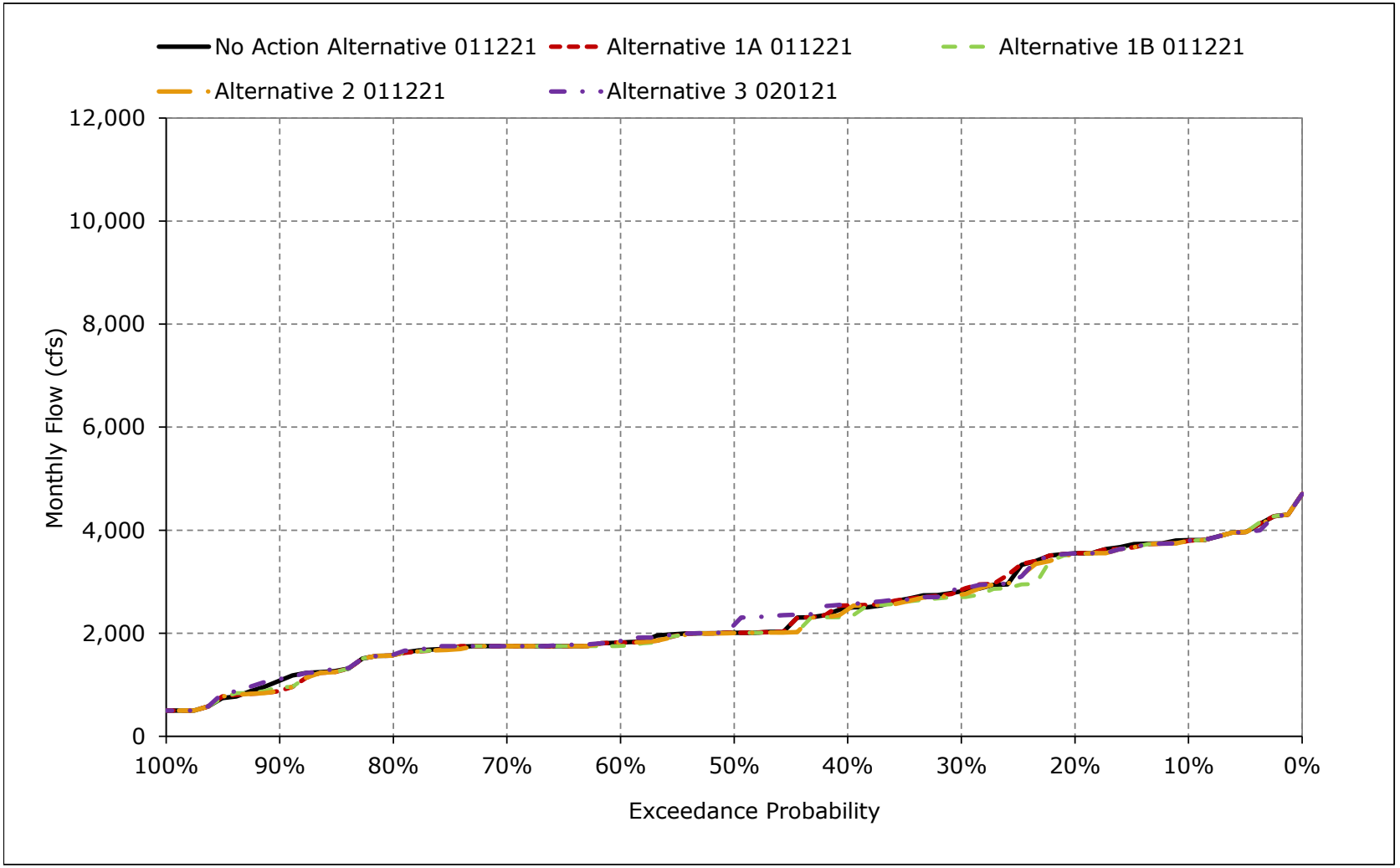


Figure 5B2-27-18. American River below Nimbus Dam Flow, September

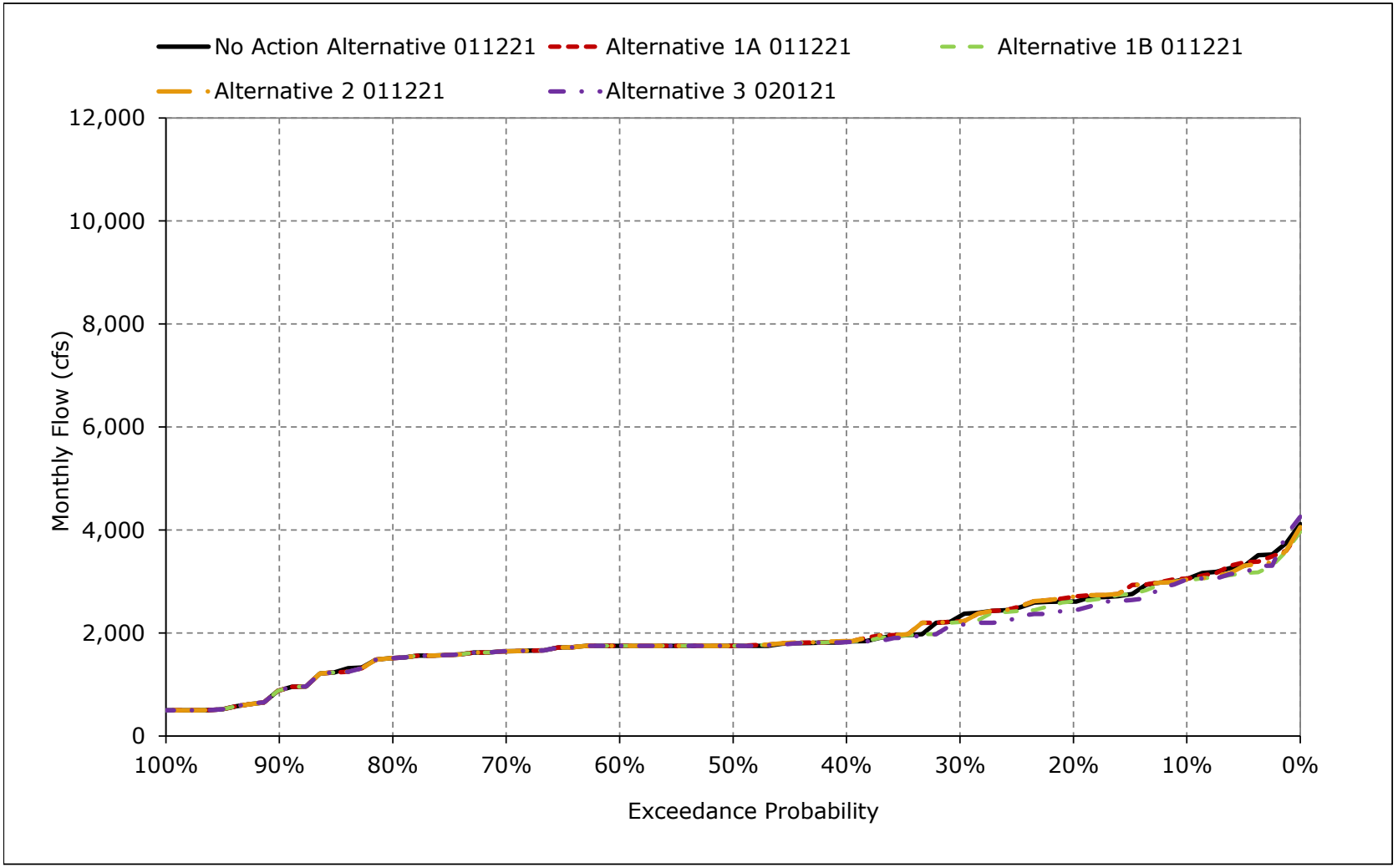


Table 5B2-28-1a. American River at H Street, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,688	4,539	7,071	10,611	11,384	8,356	6,229	8,801	5,257	4,478	3,237	2,598
20%	1,349	3,909	3,835	6,807	9,222	4,537	4,935	6,090	3,973	4,122	2,972	2,203
30%	1,333	3,262	2,661	4,749	6,379	3,090	3,448	5,127	3,096	3,255	2,236	1,885
40%	1,321	2,114	1,990	3,295	4,951	2,298	3,000	4,419	2,793	2,946	1,910	1,615
50%	1,315	1,873	1,863	1,750	3,253	1,636	2,199	3,529	2,442	2,265	1,750	1,540
60%	1,307	1,831	1,830	1,450	2,210	1,584	1,435	2,360	2,046	1,959	1,552	1,527
70%	1,029	1,143	1,766	1,246	1,717	1,536	1,176	1,648	1,761	1,754	1,484	1,426
80%	597	712	755	1,223	1,344	1,306	848	913	1,155	1,616	1,328	1,319
90%	461	489	500	570	1,222	782	777	774	616	1,076	841	691
Long Term												
Full Simulation Period[a]	1,190	2,453	3,220	4,272	5,138	3,188	2,973	3,957	2,806	2,611	1,933	1,655
Water Year Types[b,c]												
Wet (32%)	1,483	4,066	3,870	8,715	9,145	5,534	5,252	6,774	4,688	2,946	2,673	1,832
Above Normal (15%)	1,356	2,267	2,861	4,954	6,196	4,411	3,113	4,557	2,797	3,537	2,060	2,268
Below Normal (17%)	1,361	2,661	3,873	2,102	4,374	1,746	2,446	3,521	2,214	3,687	1,671	2,042
Dry (22%)	876	1,378	3,802	1,287	1,872	1,695	1,276	1,875	1,874	1,758	1,595	1,336
Critical (15%)	662	517	538	974	1,187	803	1,054	888	827	986	1,014	682

Table 5B2-28-1b. American River at H Street, Alternative 1A 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,709	4,548	7,071	10,611	11,384	8,276	6,397	8,801	5,257	4,500	3,186	2,602
20%	1,382	3,898	3,802	6,809	9,222	4,537	4,794	6,090	3,907	4,044	2,972	2,270
30%	1,336	3,217	2,648	4,749	6,378	3,090	3,449	5,127	3,028	3,233	2,285	1,819
40%	1,325	2,223	1,999	3,294	4,951	2,298	3,000	4,419	2,791	2,954	1,959	1,619
50%	1,317	1,891	1,863	1,784	3,254	1,636	2,155	3,529	2,357	2,238	1,750	1,544
60%	1,310	1,843	1,830	1,500	2,313	1,584	1,435	2,360	2,068	1,939	1,554	1,527
70%	1,038	1,283	1,766	1,246	1,738	1,536	1,176	1,581	1,640	1,750	1,485	1,434
80%	606	691	965	1,223	1,303	1,306	846	993	1,071	1,596	1,329	1,305
90%	468	489	502	547	1,219	795	764	774	616	1,042	649	691
Long Term												
Full Simulation Period[a]	1,209	2,502	3,246	4,261	5,130	3,184	2,960	3,957	2,786	2,589	1,926	1,657
Water Year Types[b,c]												
Wet (32%)	1,486	4,095	3,867	8,692	9,145	5,534	5,267	6,773	4,667	2,932	2,675	1,828
Above Normal (15%)	1,357	2,282	2,858	4,967	6,196	4,411	3,113	4,557	2,720	3,537	2,077	2,287
Below Normal (17%)	1,370	2,685	3,868	2,093	4,361	1,747	2,432	3,518	2,237	3,602	1,678	2,053
Dry (22%)	896	1,557	3,868	1,267	1,914	1,631	1,264	1,897	1,868	1,750	1,492	1,334
Critical (15%)	747	472	633	973	1,085	874	971	861	792	973	1,094	682

Table 5B2-28-1c. American River at H Street, 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%	21	9	0	0	0	-81	168	0	0	22	-51	5
20%	33	-11	-33	1	0	0	-140	0	-66	-78	0	67
30%	2	-45	-13	0	0	0	0	0	-68	-23	49	-67
40%	4	109	8	0	0	0	0	0	-2	8	49	4
50%	1	17	0	35	1	0	-44	0	-85	-27	0	4
60%	4	12	0	51	103	0	0	0	22	-20	2	0
70%	9	140	0	0	21	0	0	-67	-121	-4	0	8
80%	8	-21	210	0	-41	0	-2	80	-84	-19	1	-14
90%	8	0	2	-22	-4	13	-12	0	0	-35	-192	0
Long Term												
Full Simulation Period[a]	19	49	26	-12	-8	-4	-13	0	-20	-23	-7	3
Water Year Types[b,c]												
Wet (32%)	3	30	-4	-23	0	0	15	0	-20	-14	1	-4
Above Normal (15%)	1	16	-4	13	0	0	0	0	-77	0	17	19
Below Normal (17%)	8	24	-5	-9	-13	0	-14	-3	23	-85	7	11
Dry (22%)	20	179	66	-20	42	-64	-12	22	-6	-7	-103	-2
Critical (15%)	85	-44	96	-1	-102	71	-83	-27	-35	-13	81	-1

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 5B2-28-2a. American River at H Street, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,688	4,539	7,071	10,611	11,384	8,356	6,229	8,801	5,257	4,478	3,237	2,598
20%	1,349	3,909	3,835	6,807	9,222	4,537	4,935	6,090	3,973	4,122	2,972	2,203
30%	1,333	3,262	2,661	4,749	6,379	3,090	3,448	5,127	3,096	3,255	2,236	1,885
40%	1,321	2,114	1,990	3,295	4,951	2,298	3,000	4,419	2,793	2,946	1,910	1,615
50%	1,315	1,873	1,863	1,750	3,253	1,636	2,199	3,529	2,442	2,265	1,750	1,540
60%	1,307	1,831	1,830	1,450	2,210	1,584	1,435	2,360	2,046	1,959	1,552	1,527
70%	1,029	1,143	1,766	1,246	1,717	1,536	1,176	1,648	1,761	1,754	1,484	1,426
80%	597	712	755	1,223	1,344	1,306	848	913	1,155	1,616	1,328	1,319
90%	461	489	500	570	1,222	782	777	774	616	1,076	841	691
Long Term												
Full Simulation Period[a]	1,190	2,453	3,220	4,272	5,138	3,188	2,973	3,957	2,806	2,611	1,933	1,655
Water Year Types[b,c]												
Wet (32%)	1,483	4,066	3,870	8,715	9,145	5,534	5,252	6,774	4,688	2,946	2,673	1,832
Above Normal (15%)	1,356	2,267	2,861	4,954	6,196	4,411	3,113	4,557	2,797	3,537	2,060	2,268
Below Normal (17%)	1,361	2,661	3,873	2,102	4,374	1,746	2,446	3,521	2,214	3,687	1,671	2,042
Dry (22%)	876	1,378	3,802	1,287	1,872	1,695	1,276	1,875	1,874	1,758	1,595	1,336
Critical (15%)	662	517	538	974	1,187	803	1,054	888	827	986	1,014	682

Table 5B2-28-2b. American River at H Street, Alternative 1B 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,817	4,547	7,068	10,611	11,384	8,276	6,397	8,801	5,257	4,613	3,186	2,545
20%	1,455	3,886	3,929	6,808	9,222	4,537	4,935	6,090	3,907	4,020	2,948	2,199
30%	1,339	3,381	2,567	4,749	6,378	3,090	3,449	5,127	3,028	3,234	2,138	1,750
40%	1,329	2,199	2,019	3,497	4,950	2,298	3,000	4,419	2,716	2,846	1,750	1,615
50%	1,317	1,882	1,864	1,873	3,285	1,636	2,156	3,529	2,494	2,235	1,750	1,544
60%	1,312	1,834	1,830	1,473	2,351	1,584	1,394	2,360	1,981	1,935	1,504	1,527
70%	1,235	1,205	1,804	1,246	1,939	1,536	1,053	1,623	1,715	1,754	1,482	1,434
80%	620	690	965	1,223	1,344	1,306	846	981	1,056	1,624	1,327	1,319
90%	498	485	502	548	1,222	782	764	755	616	1,023	714	691
Long Term												
Full Simulation Period[a]	1,226	2,509	3,256	4,279	5,155	3,177	2,956	3,952	2,781	2,587	1,894	1,628
Water Year Types[b,c]												
Wet (32%)	1,492	4,081	3,875	8,718	9,145	5,534	5,268	6,773	4,667	2,933	2,675	1,829
Above Normal (15%)	1,356	2,452	2,865	5,054	6,205	4,411	3,113	4,555	2,693	3,523	1,984	2,107
Below Normal (17%)	1,343	2,719	3,897	2,100	4,377	1,745	2,446	3,518	2,190	3,608	1,671	2,030
Dry (22%)	985	1,446	3,879	1,267	1,937	1,622	1,238	1,859	1,888	1,754	1,502	1,334
Critical (15%)	745	509	621	949	1,196	840	959	877	812	958	960	683

Table 5B2-28-2c. American River at H Street, 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%	129	8	-3	0	0	-81	168	0	0	135	-51	-52
20%	106	-23	94	1	0	0	0	0	-66	-102	-24	-4
30%	6	119	-94	0	-1	0	0	0	-68	-21	-98	-135
40%	8	85	28	203	-1	0	0	0	-77	-100	-160	0
50%	2	9	1	123	32	0	-43	0	51	-30	0	4
60%	5	3	0	23	141	0	-41	0	-64	-24	-48	0
70%	206	61	38	0	222	0	-123	-25	-46	0	-2	8
80%	22	-22	210	0	0	0	-2	67	-99	8	-1	0
90%	37	-4	2	-22	0	0	-12	-19	0	-53	-127	0
Long Term												
Full Simulation Period[a]	36	56	35	7	18	-11	-17	-6	-25	-25	-39	-27
Water Year Types[b,c]												
Wet (32%)	9	15	5	2	0	0	16	0	-21	-13	1	-3
Above Normal (15%)	0	185	4	100	10	0	0	-1	-105	-14	-76	-161
Below Normal (17%)	-18	58	24	-2	3	-2	-1	-3	-24	-79	0	-12
Dry (22%)	109	68	77	-20	65	-73	-38	-16	13	-3	-92	-2
Critical (15%)	84	-8	83	-25	10	37	-95	-11	-15	-28	-54	1

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 5B2-28-3a. American River at H Street, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,688	4,539	7,071	10,611	11,384	8,356	6,229	8,801	5,257	4,478	3,237	2,598
20%	1,349	3,909	3,835	6,807	9,222	4,537	4,935	6,090	3,973	4,122	2,972	2,203
30%	1,333	3,262	2,661	4,749	6,379	3,090	3,448	5,127	3,096	3,255	2,236	1,885
40%	1,321	2,114	1,990	3,295	4,951	2,298	3,000	4,419	2,793	2,946	1,910	1,615
50%	1,315	1,873	1,863	1,750	3,253	1,636	2,199	3,529	2,442	2,265	1,750	1,540
60%	1,307	1,831	1,830	1,450	2,210	1,584	1,435	2,360	2,046	1,959	1,552	1,527
70%	1,029	1,143	1,766	1,246	1,717	1,536	1,176	1,648	1,761	1,754	1,484	1,426
80%	597	712	755	1,223	1,344	1,306	848	913	1,155	1,616	1,328	1,319
90%	461	489	500	570	1,222	782	777	774	616	1,076	841	691
Long Term												
Full Simulation Period[a]	1,190	2,453	3,220	4,272	5,138	3,188	2,973	3,957	2,806	2,611	1,933	1,655
Water Year Types[b,c]												
Wet (32%)	1,483	4,066	3,870	8,715	9,145	5,534	5,252	6,774	4,688	2,946	2,673	1,832
Above Normal (15%)	1,356	2,267	2,861	4,954	6,196	4,411	3,113	4,557	2,797	3,537	2,060	2,268
Below Normal (17%)	1,361	2,661	3,873	2,102	4,374	1,746	2,446	3,521	2,214	3,687	1,671	2,042
Dry (22%)	876	1,378	3,802	1,287	1,872	1,695	1,276	1,875	1,874	1,758	1,595	1,336
Critical (15%)	662	517	538	974	1,187	803	1,054	888	827	986	1,014	682

Table 5B2-28-3b. American River at H Street, Alternative 2 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,709	4,548	7,071	10,611	11,384	8,276	6,397	8,801	5,257	4,499	3,186	2,586
20%	1,381	3,895	3,801	6,809	9,222	4,537	4,900	6,090	3,905	4,057	2,948	2,273
30%	1,336	3,215	2,648	4,749	6,378	3,090	3,449	5,127	3,028	3,233	2,181	1,819
40%	1,325	2,245	1,999	3,404	4,951	2,298	3,000	4,419	2,791	2,954	1,853	1,623
50%	1,317	1,872	1,863	1,784	3,254	1,636	2,155	3,529	2,356	2,238	1,750	1,545
60%	1,310	1,842	1,830	1,500	2,418	1,584	1,435	2,360	2,068	1,937	1,554	1,527
70%	1,038	1,277	1,766	1,246	1,900	1,536	1,176	1,650	1,643	1,750	1,483	1,434
80%	606	718	961	1,223	1,344	1,306	846	993	1,108	1,596	1,329	1,319
90%	468	489	502	548	1,222	782	764	774	616	1,042	649	691
Long Term												
Full Simulation Period[a]	1,210	2,504	3,242	4,266	5,154	3,179	2,962	3,961	2,789	2,588	1,908	1,652
Water Year Types[b,c]												
Wet (32%)	1,486	4,095	3,866	8,695	9,145	5,534	5,268	6,773	4,667	2,932	2,675	1,828
Above Normal (15%)	1,357	2,285	2,857	4,967	6,196	4,411	3,113	4,557	2,720	3,539	2,077	2,283
Below Normal (17%)	1,371	2,678	3,868	2,115	4,367	1,746	2,441	3,517	2,237	3,600	1,694	2,022
Dry (22%)	896	1,546	3,872	1,268	1,942	1,634	1,264	1,897	1,869	1,746	1,491	1,335
Critical (15%)	750	508	596	973	1,197	835	971	883	812	973	954	683

Table 5B2-28-3c. American River at H Street, 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%	21	9	0	0	0	-81	168	0	0	21	-51	-12
20%	31	-14	-34	1	0	0	-35	0	-68	-65	-24	70
30%	2	-48	-13	0	0	0	0	0	-68	-23	-55	-67
40%	4	131	9	109	0	0	0	0	-2	8	-56	8
50%	1	-1	0	35	1	0	-44	0	-86	-27	0	5
60%	4	11	0	51	208	0	0	0	22	-21	2	0
70%	9	134	0	0	183	0	0	3	-118	-4	-1	8
80%	8	6	206	0	0	0	-2	80	-47	-20	2	0
90%	8	0	2	-22	0	0	-12	0	0	-35	-192	0
Long Term												
Full Simulation Period[a]	20	50	21	-7	16	-9	-11	4	-17	-24	-25	-3
Water Year Types[b,c]												
Wet (32%)	3	29	-4	-20	0	0	16	0	-21	-14	2	-4
Above Normal (15%)	1	19	-4	13	0	0	0	0	-77	2	16	15
Below Normal (17%)	10	17	-5	13	-7	0	-5	-4	23	-87	23	-20
Dry (22%)	20	167	70	-19	70	-61	-13	22	-6	-12	-103	-1
Critical (15%)	88	-9	58	-1	11	32	-83	-4	-15	-13	-59	1

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 5B2-28-4a. American River at H Street, No Action Alternative 011221, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,688	4,539	7,071	10,611	11,384	8,356	6,229	8,801	5,257	4,478	3,237	2,598
20%	1,349	3,909	3,835	6,807	9,222	4,537	4,935	6,090	3,973	4,122	2,972	2,203
30%	1,333	3,262	2,661	4,749	6,379	3,090	3,448	5,127	3,096	3,255	2,236	1,885
40%	1,321	2,114	1,990	3,295	4,951	2,298	3,000	4,419	2,793	2,946	1,910	1,615
50%	1,315	1,873	1,863	1,750	3,253	1,636	2,199	3,529	2,442	2,265	1,750	1,540
60%	1,307	1,831	1,830	1,450	2,210	1,584	1,435	2,360	2,046	1,959	1,552	1,527
70%	1,029	1,143	1,766	1,246	1,717	1,536	1,176	1,648	1,761	1,754	1,484	1,426
80%	597	712	755	1,223	1,344	1,306	848	913	1,155	1,616	1,328	1,319
90%	461	489	500	570	1,222	782	777	774	616	1,076	841	691
Long Term												
Full Simulation Period[a]	1,190	2,453	3,220	4,272	5,138	3,188	2,973	3,957	2,806	2,611	1,933	1,655
Water Year Types[b,c]												
Wet (32%)	1,483	4,066	3,870	8,715	9,145	5,534	5,252	6,774	4,688	2,946	2,673	1,832
Above Normal (15%)	1,356	2,267	2,861	4,954	6,196	4,411	3,113	4,557	2,797	3,537	2,060	2,268
Below Normal (17%)	1,361	2,661	3,873	2,102	4,374	1,746	2,446	3,521	2,214	3,687	1,671	2,042
Dry (22%)	876	1,378	3,802	1,287	1,872	1,695	1,276	1,875	1,874	1,758	1,595	1,336
Critical (15%)	662	517	538	974	1,187	803	1,054	888	827	986	1,014	682

Table 5B2-28-4b. American River at H Street, Alternative 3 020121, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,652	4,546	7,056	10,611	11,384	8,331	6,397	8,801	5,257	4,252	3,186	2,570
20%	1,350	3,908	4,311	6,805	9,222	4,537	4,819	6,090	3,860	3,470	2,972	2,050
30%	1,335	3,524	2,704	4,749	6,376	3,090	3,449	5,127	3,028	2,972	2,309	1,750
40%	1,320	2,150	2,066	3,495	4,950	2,298	3,000	4,419	2,653	2,456	2,005	1,613
50%	1,316	1,873	1,873	1,986	3,285	1,630	2,199	3,529	2,298	2,108	1,750	1,540
60%	1,309	1,839	1,849	1,531	2,485	1,583	1,524	2,360	1,891	1,922	1,592	1,525
70%	1,209	1,328	1,811	1,249	1,648	1,537	1,283	1,459	1,532	1,750	1,496	1,431
80%	631	775	1,096	1,223	1,298	1,306	858	883	998	1,538	1,337	1,306
90%	500	487	500	557	1,219	782	777	753	594	1,044	872	691
Long Term												
Full Simulation Period[a]	1,207	2,575	3,308	4,344	5,131	3,191	2,984	3,931	2,732	2,391	1,947	1,610
Water Year Types[b,c]												
Wet (32%)	1,486	4,086	3,874	8,806	9,143	5,534	5,268	6,773	4,667	2,931	2,675	1,825
Above Normal (15%)	1,354	2,687	2,928	5,065	6,205	4,411	3,113	4,555	2,643	2,899	2,091	1,940
Below Normal (17%)	1,366	2,807	4,033	2,168	4,374	1,746	2,433	3,520	2,125	3,054	1,686	2,078
Dry (22%)	1,013	1,439	4,036	1,356	1,957	1,694	1,300	1,801	1,743	1,694	1,543	1,335
Critical (15%)	563	622	526	976	1,010	829	1,077	822	819	984	1,136	681

Table 5B2-28-4c. American River at H Street, Alternative 3 020121 minus No Action Alternative 011221, Monthly Flow (cfs)

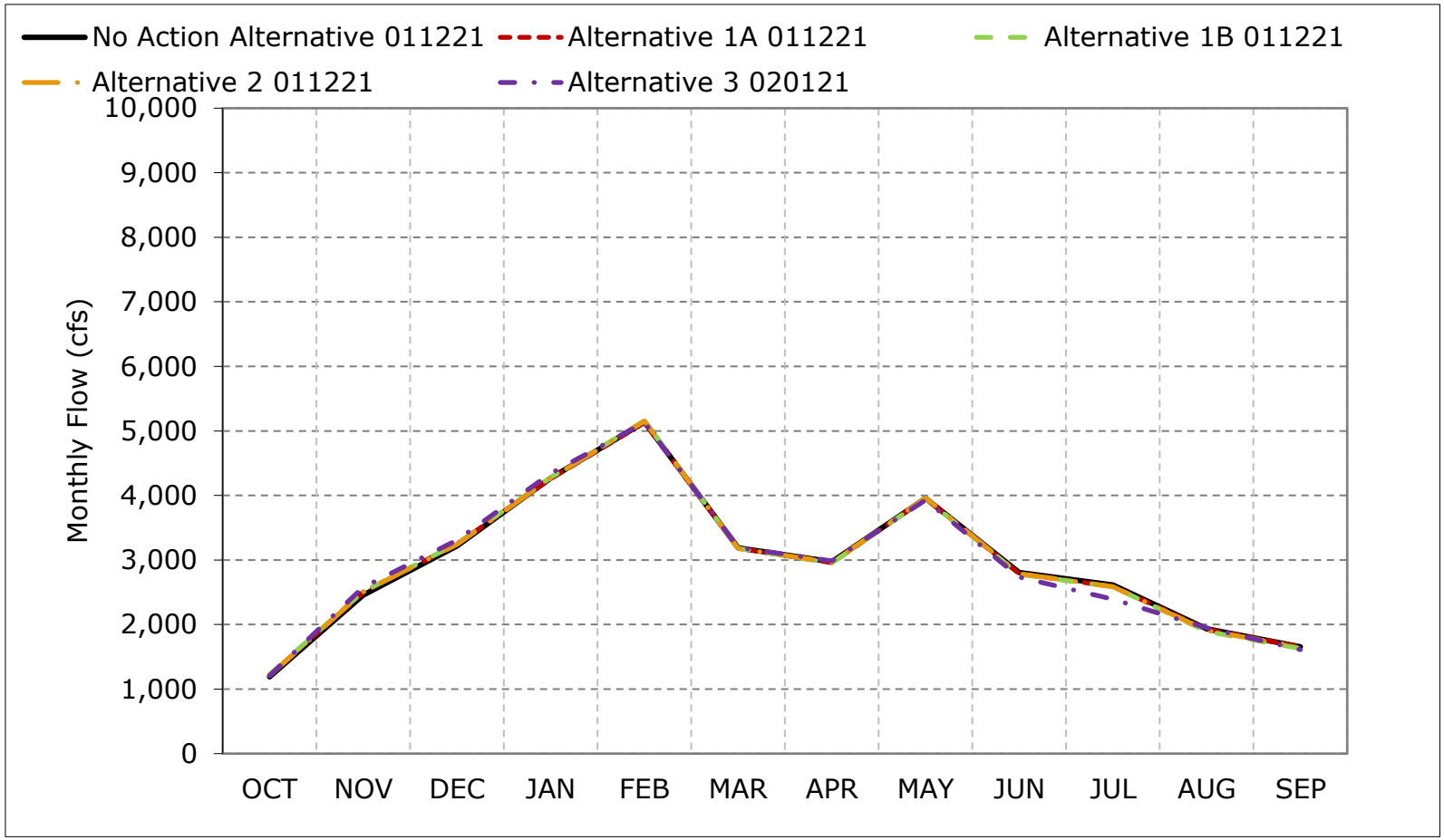
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-36	6	-15	0	0	-25	168	0	0	-226	-51	-28
20%	1	-1	476	-3	0	0	-116	0	-113	-651	0	-153
30%	1	261	44	0	-3	0	0	0	-68	-284	73	-135
40%	-1	35	76	200	-1	0	0	0	-141	-490	96	-2
50%	0	0	9	237	32	-6	0	0	-144	-157	0	0
60%	2	8	19	81	275	0	89	0	-155	-37	40	-2
70%	180	185	45	3	-69	1	108	-188	-228	-4	12	5
80%	33	63	341	0	-46	0	10	-30	-157	-78	9	-14
90%	39	-2	0	-13	-4	0	0	-21	-22	-32	31	0
Long Term												
Full Simulation Period[a]	17	121	88	72	-6	3	11	-26	-74	-220	14	-45
Water Year Types[b,c]												
Wet (32%)	3	20	4	90	-2	0	16	0	-21	-15	2	-8
Above Normal (15%)	-2	421	67	111	9	0	0	-1	-154	-637	31	-328
Below Normal (17%)	4	146	160	66	0	0	-13	-1	-89	-633	16	36
Dry (22%)	138	60	234	69	85	-1	24	-74	-131	-63	-52	-1
Critical (15%)	-99	105	-12	2	-176	26	23	-66	-8	-2	122	-1

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).

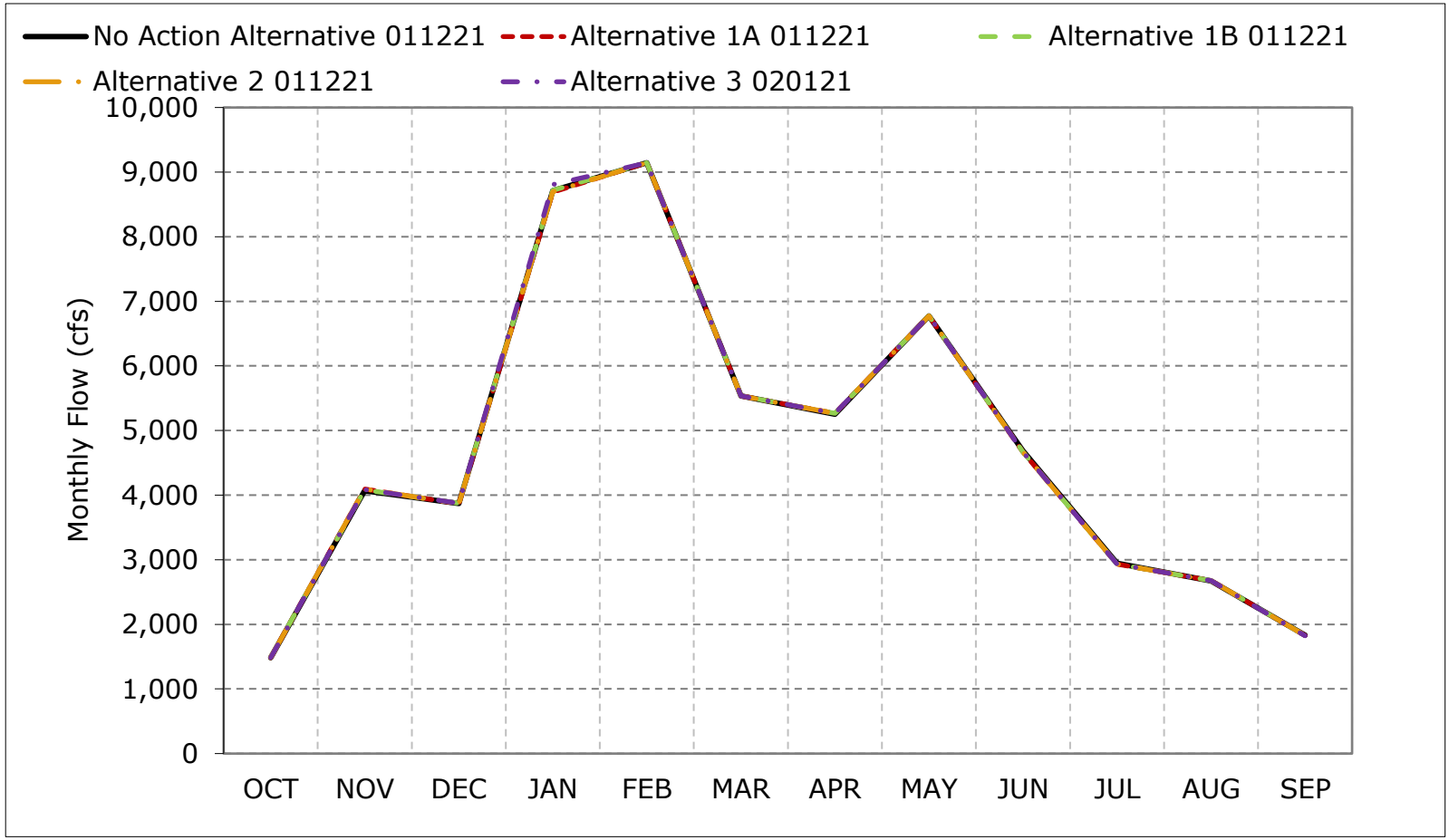
c These results are displayed with calendar year - year type sorting.

Figure 5B2-28-1. American River at H Street, Long-Term Average Flow



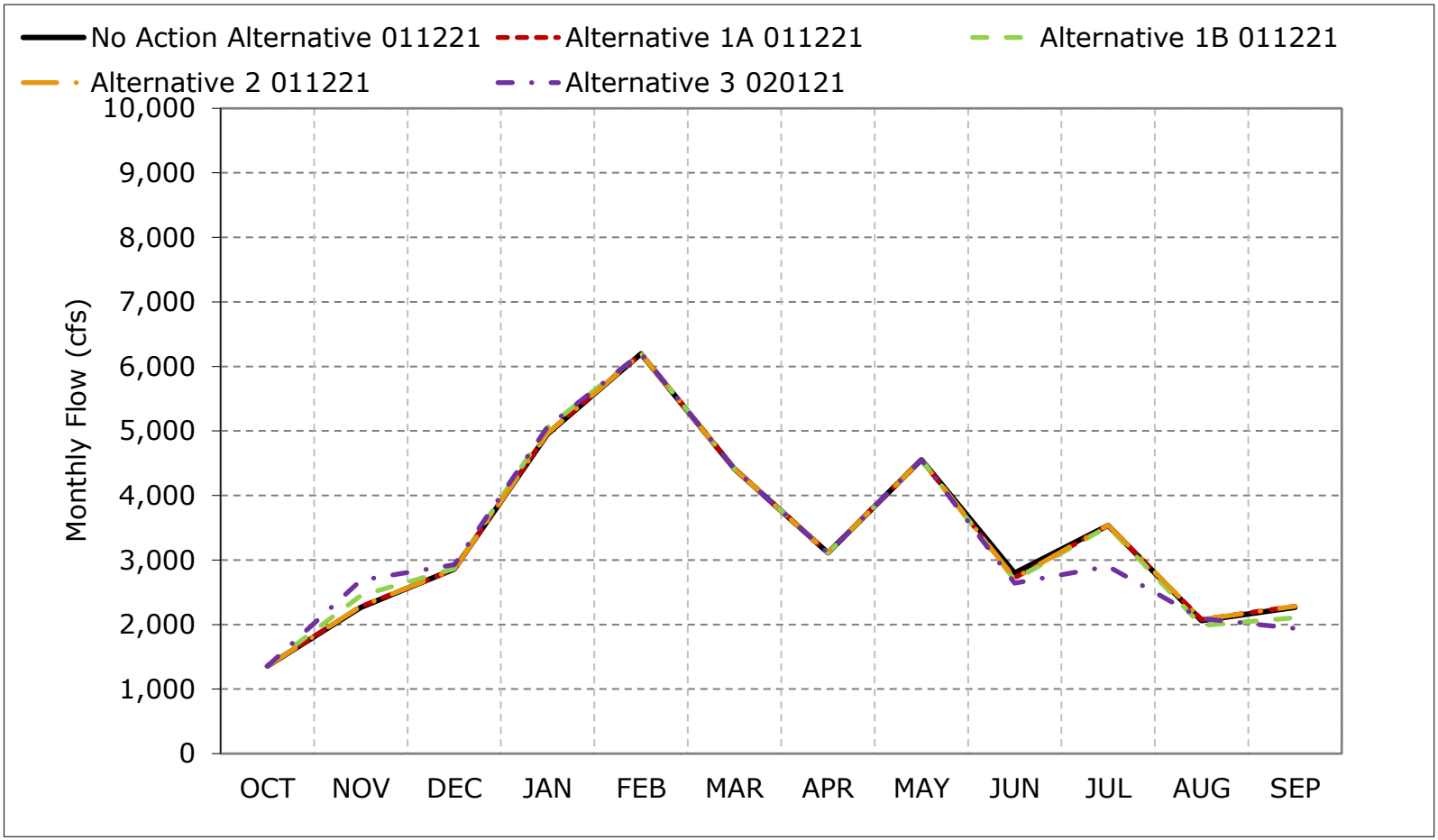
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-28-2. American River at H Street, Wet Year Average Flow



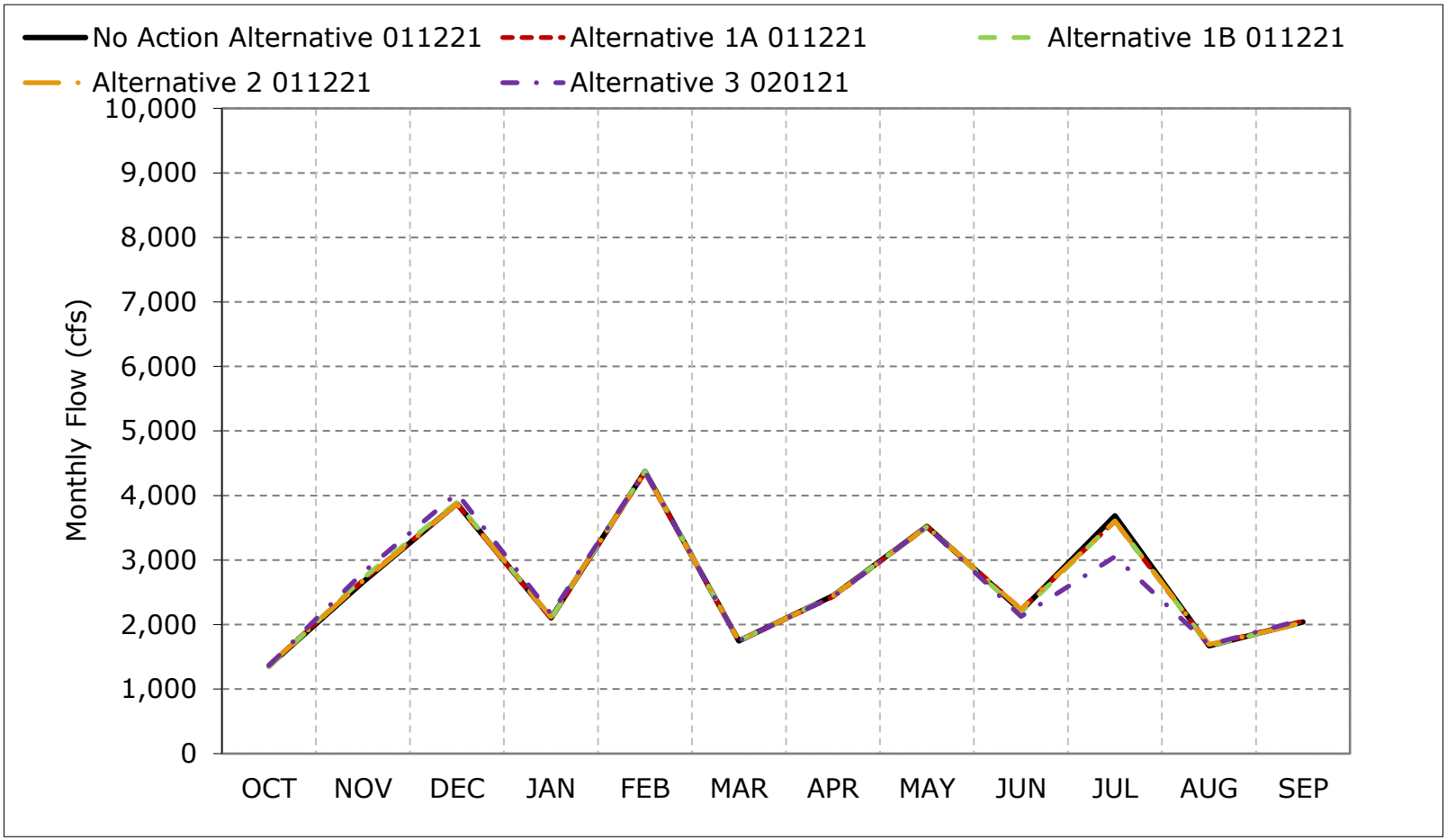
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-28-3. American River at H Street, Above Normal Year Average Flow



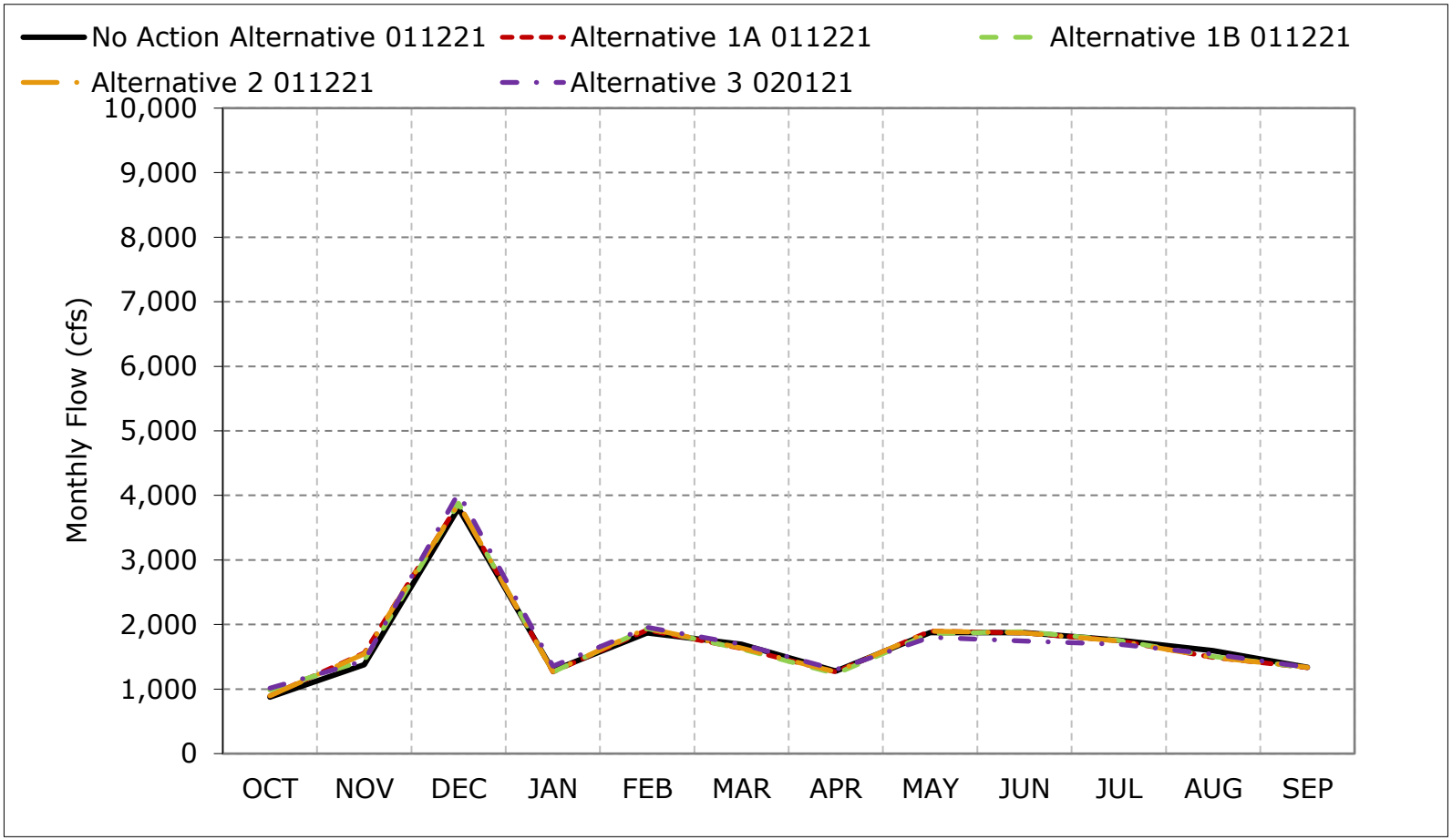
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-28-4. American River at H Street, Below Normal Year Average Flow



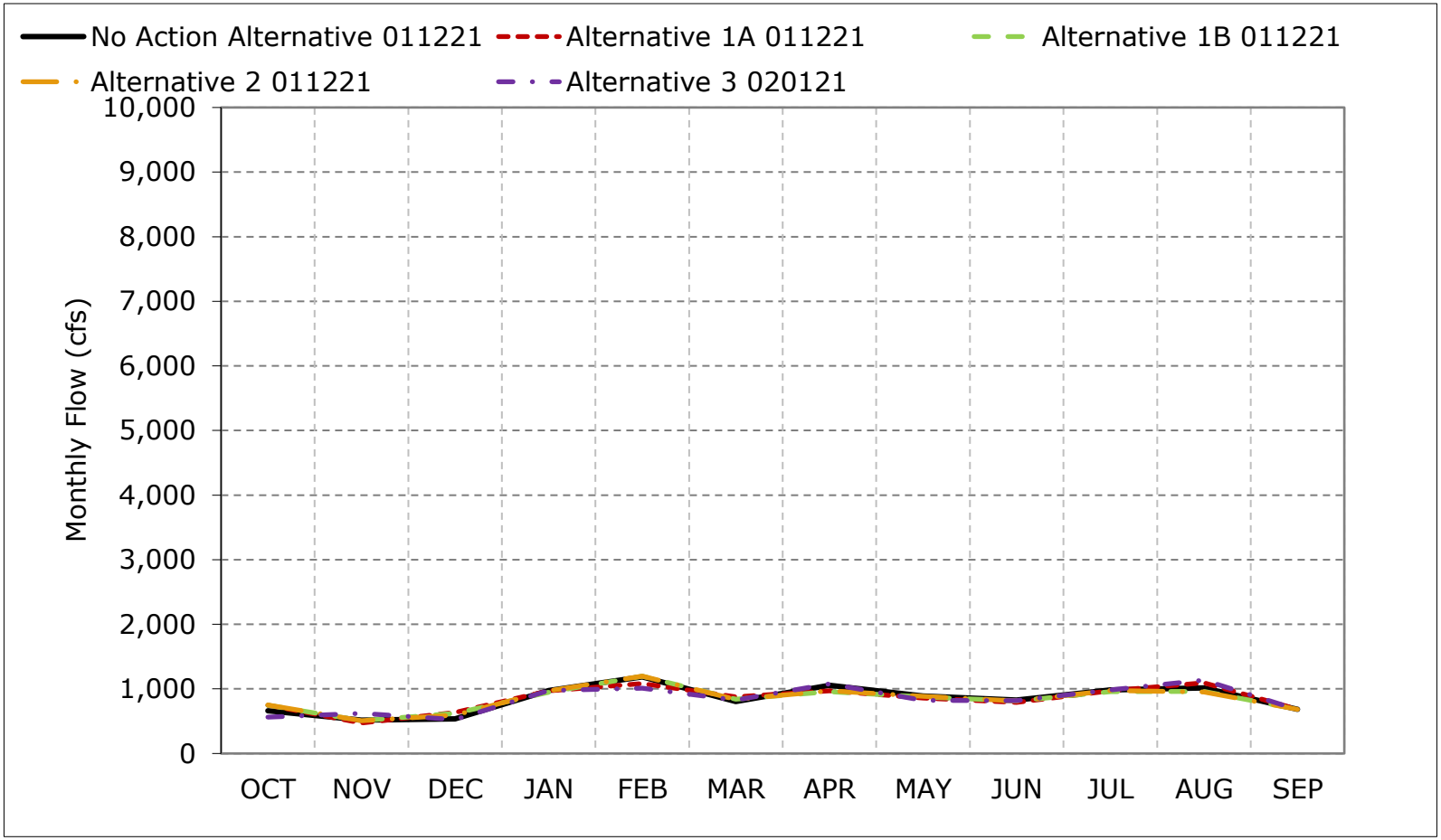
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.

Figure 5B2-28-5. American River at H Street, 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 5B2-28-6. American River at H Street, 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 5B2-28-7. American River at H Street, October

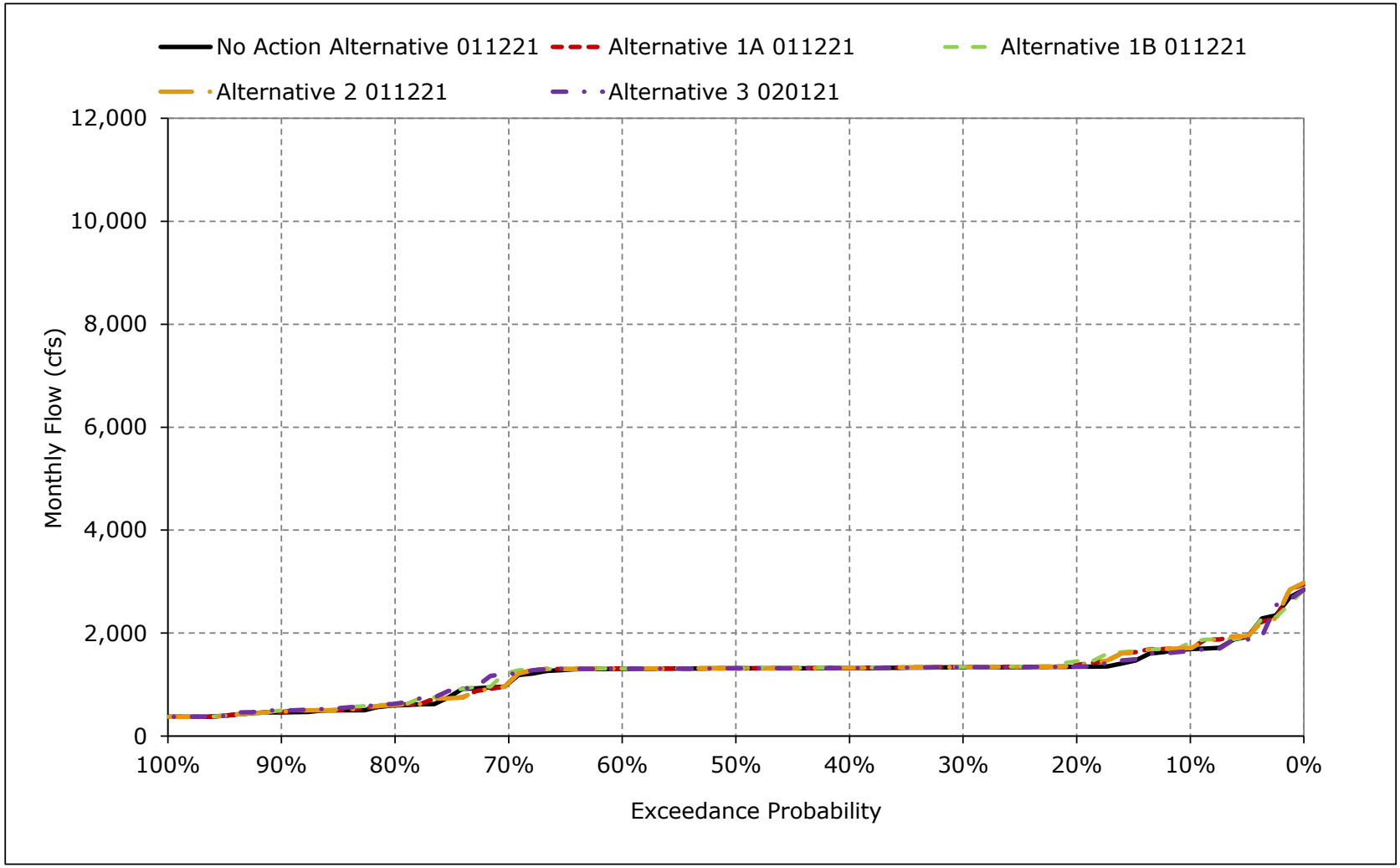


Figure 5B2-28-8. American River at H Street, November

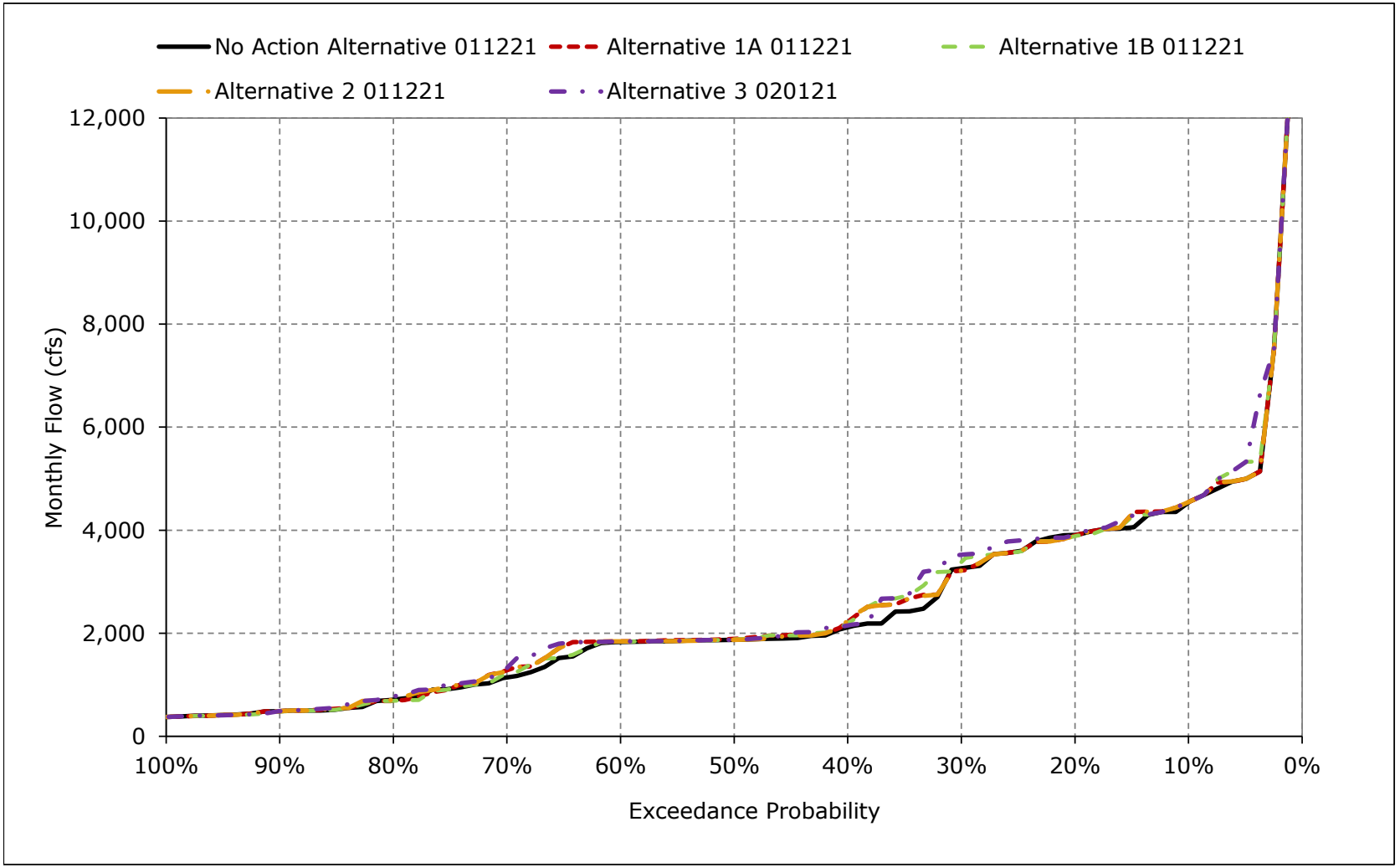


Figure 5B2-28-9. American River at H Street, December

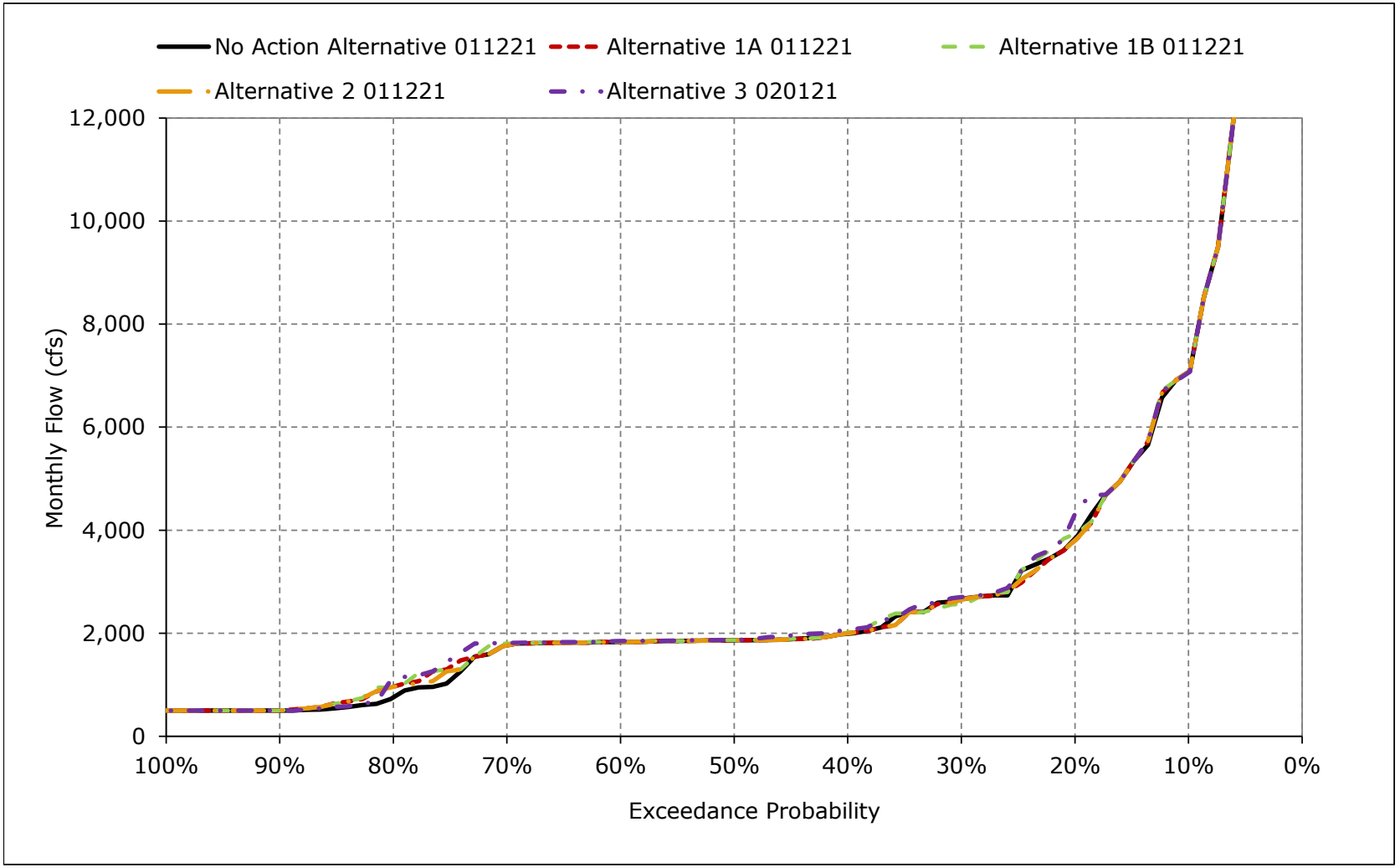


Figure 5B2-28-10. American River at H Street, January

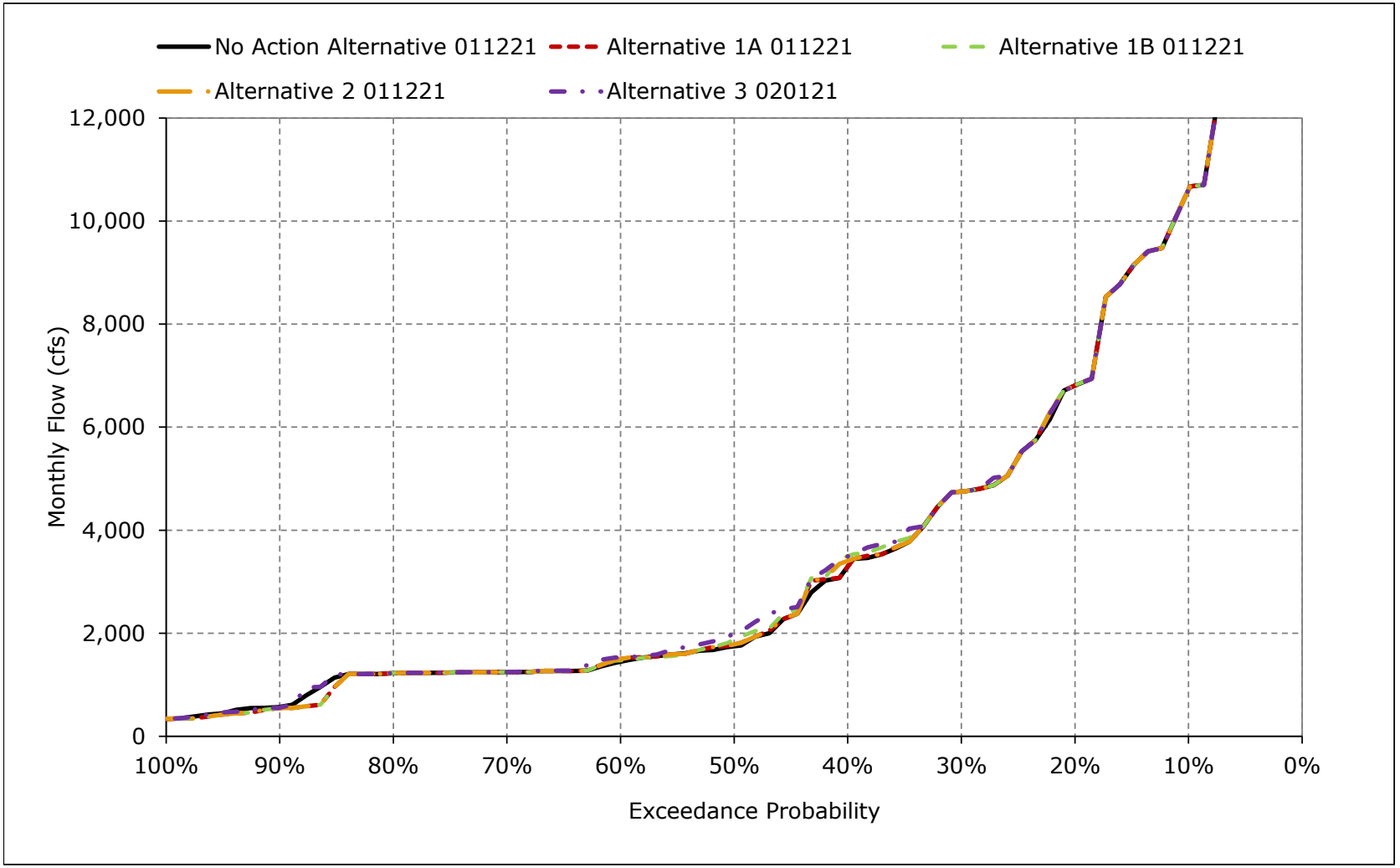


Figure 5B2-28-11. American River at H Street, February

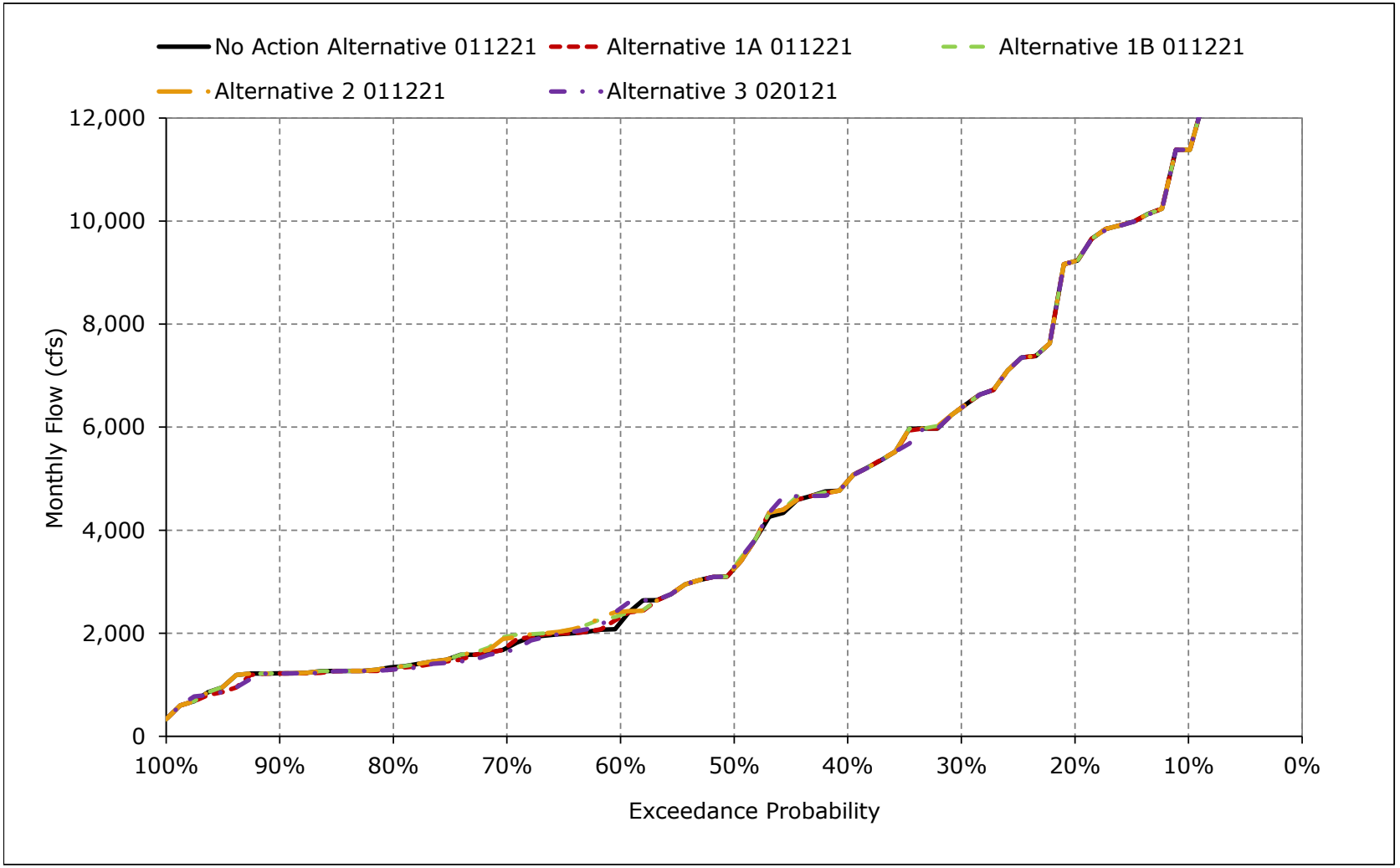


Figure 5B2-28-12. American River at H Street, March

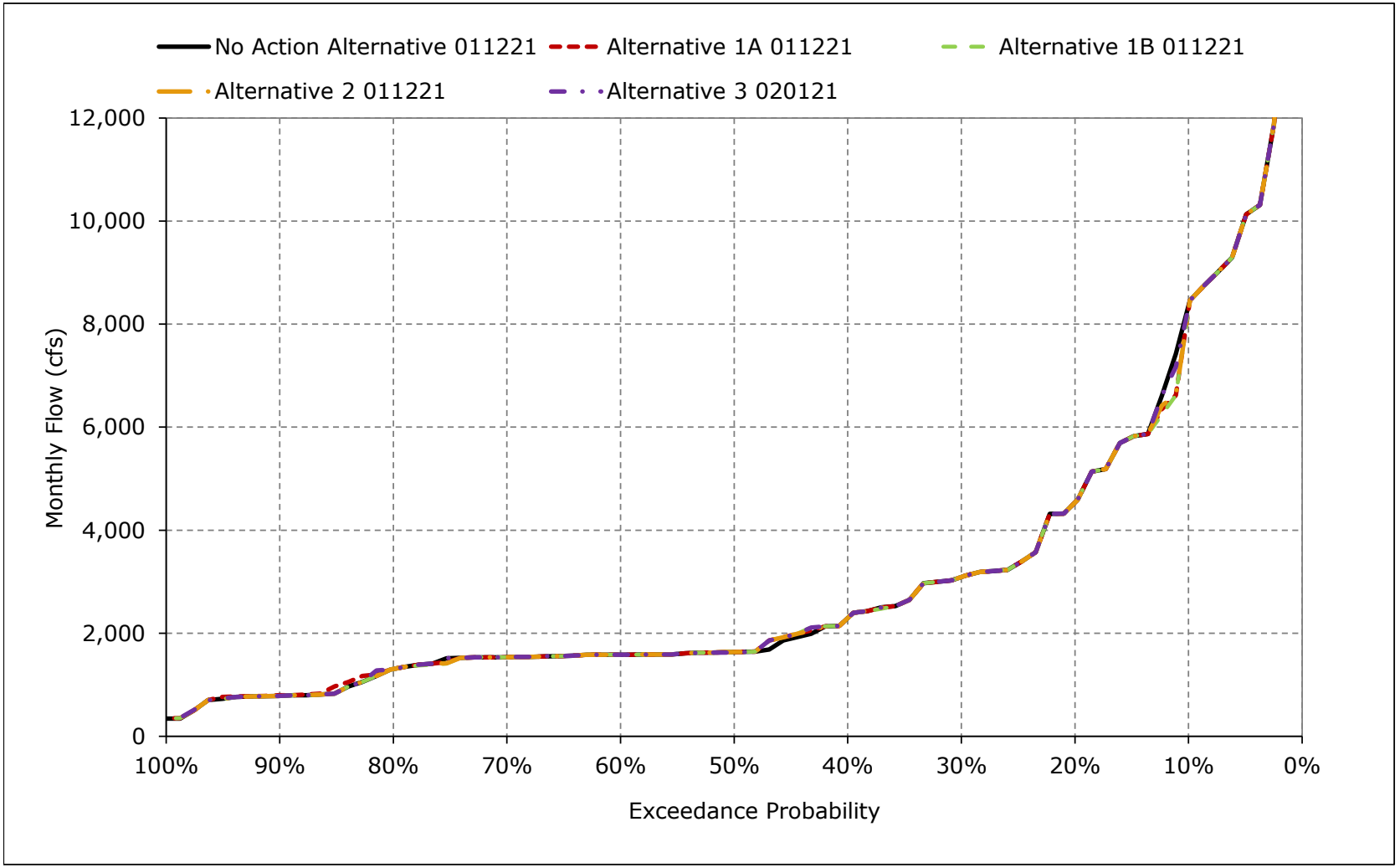


Figure 5B2-28-13. American River at H Street, April

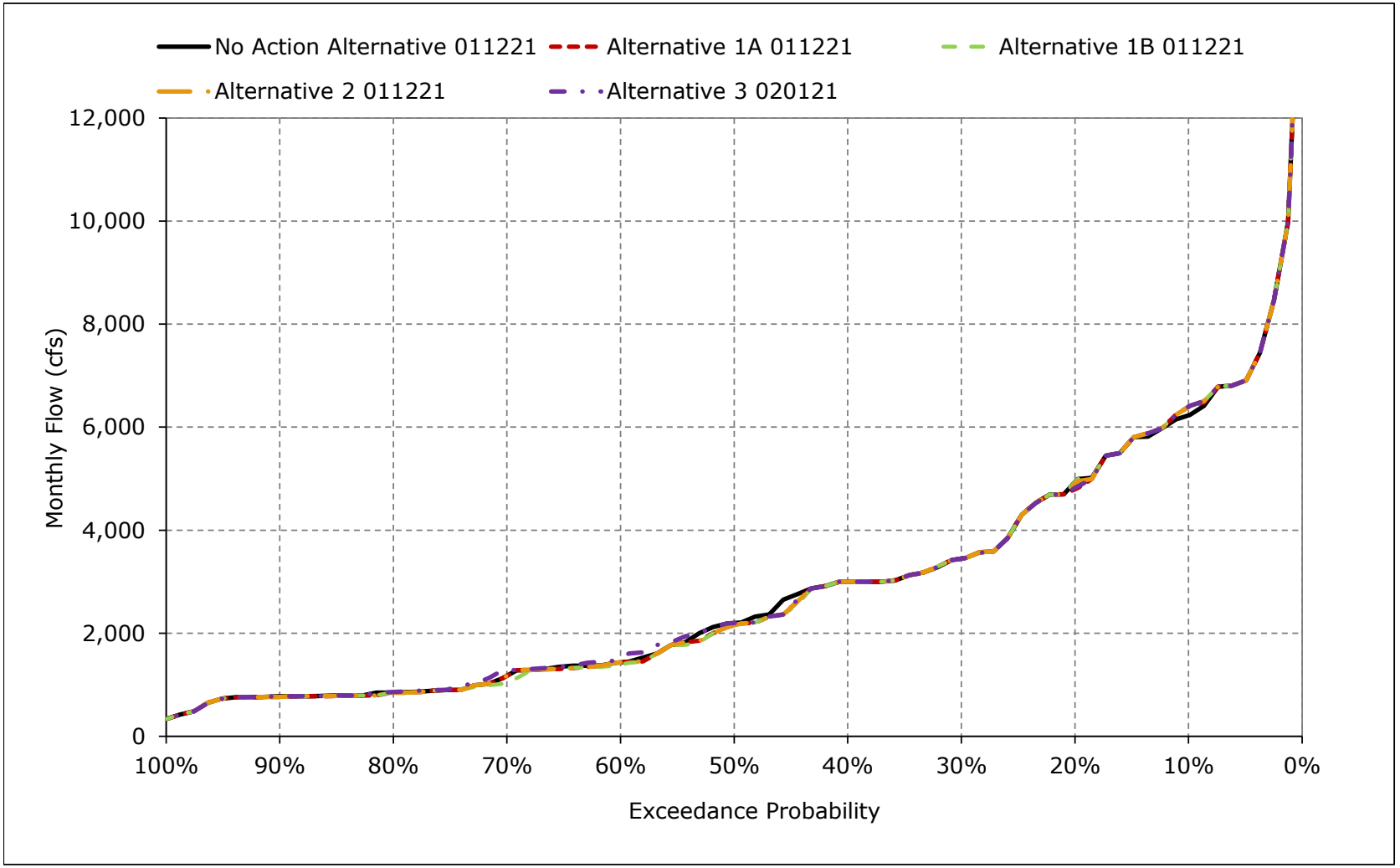


Figure 5B2-28-14. American River at H Street, May

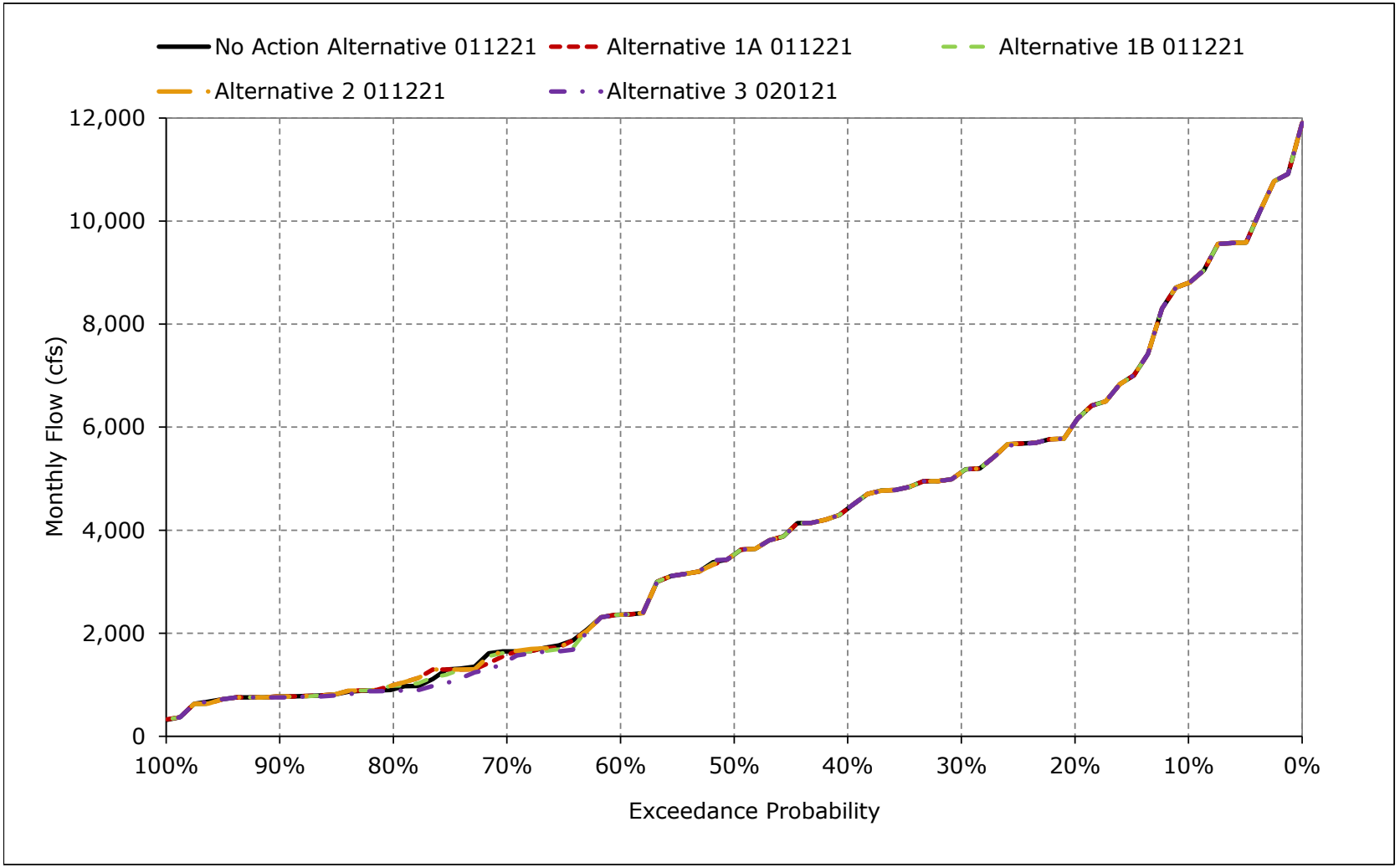


Figure 5B2-28-15. American River at H Street, June

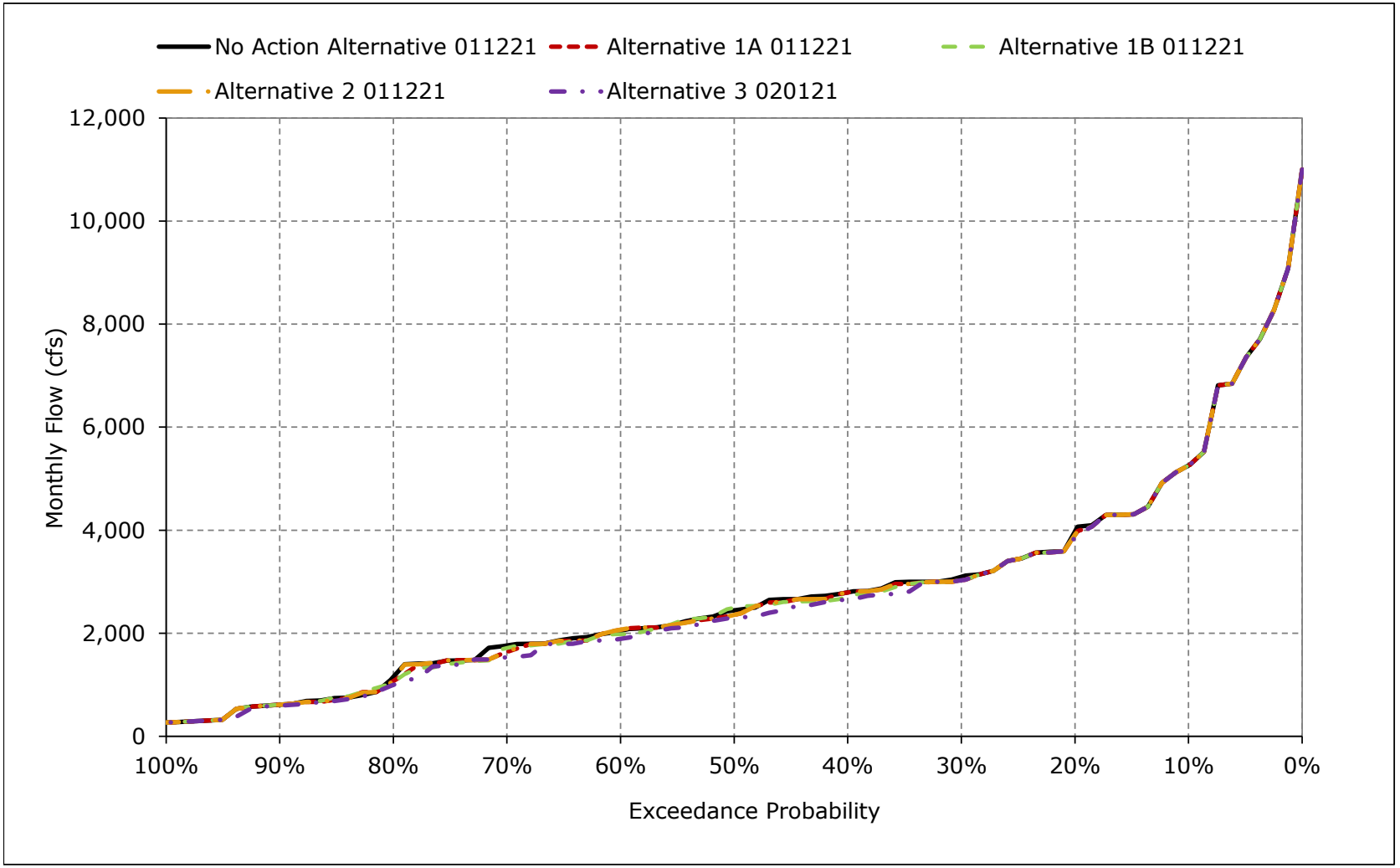


Figure 5B2-28-16. American River at H Street, July

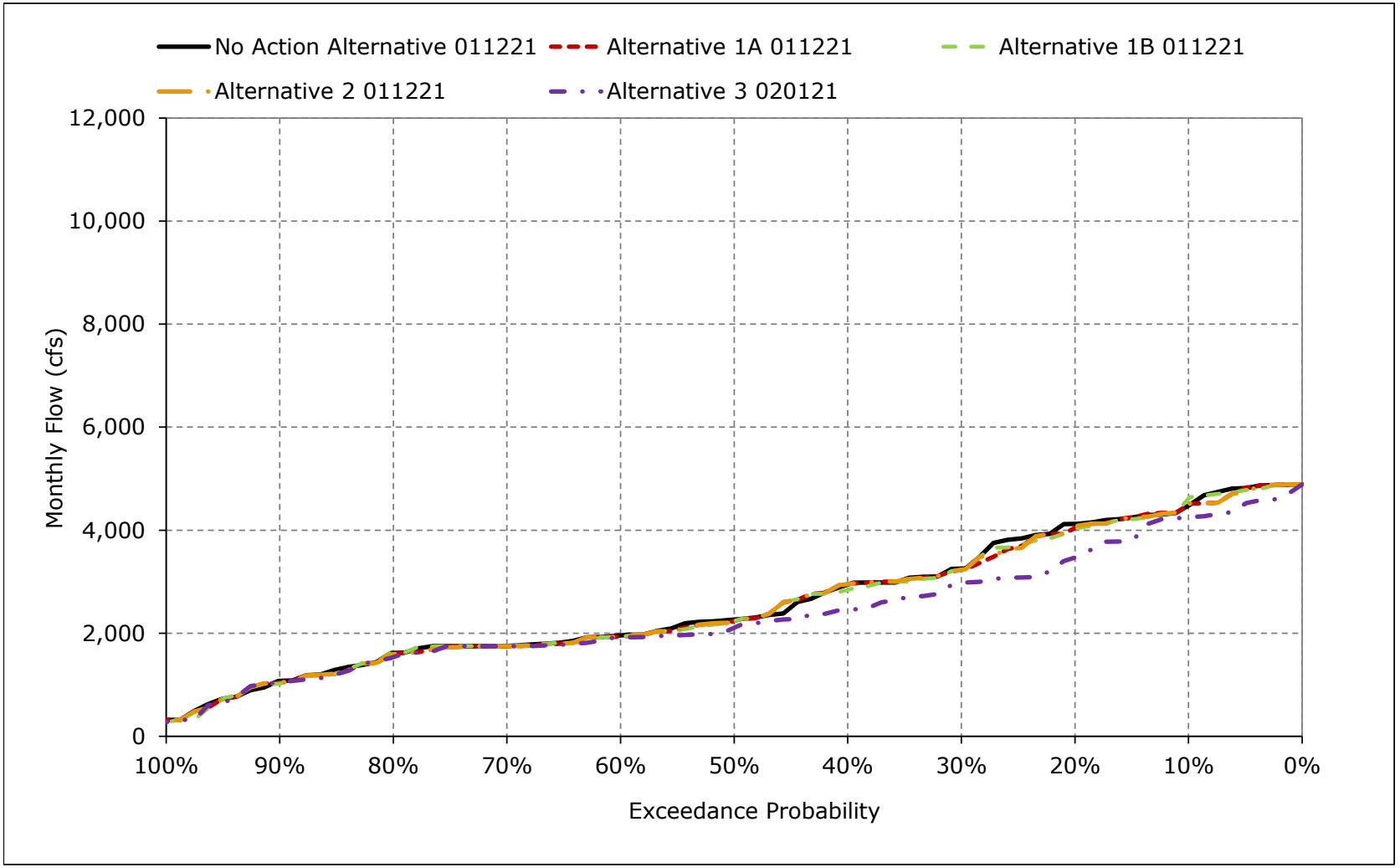


Figure 5B2-28-17. American River at H Street, August

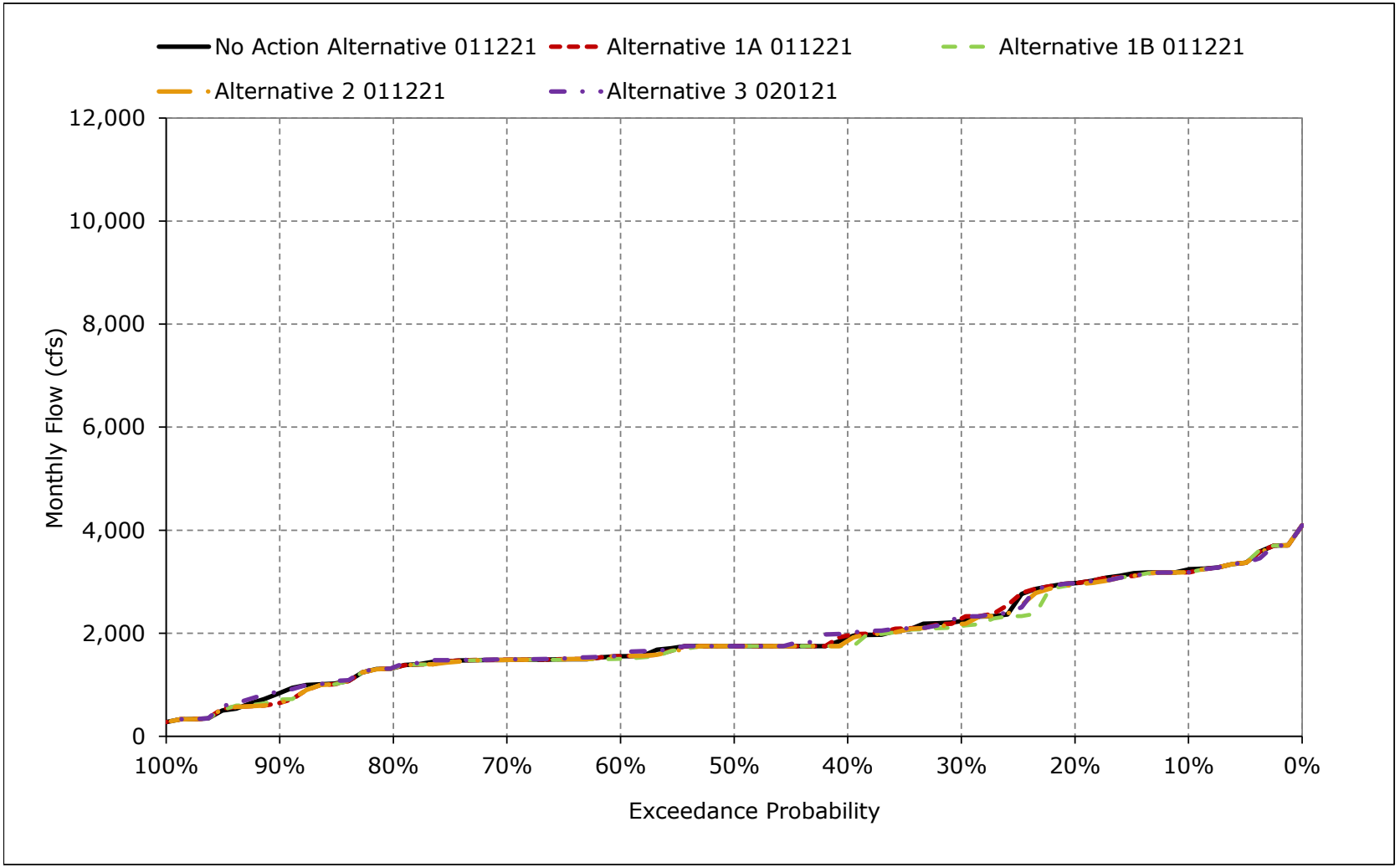


Figure 5B2-28-18. American River at H Street, September