Appendix F, Modeling

Attachment 2-1 CalSim 3–Storage and Elevation

F.2-1.1 Results

The following results of the CalSim 3 model with 2022 Median climate conditions and 15 cm sea level rise are included for storage and elevation at key project locations for the following alternatives:

- No Action Alternative 090723 (NAA)
- ALT1 090923 (ALT1)
- Alt2woTUCPwoVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAllVA 091324 (Alt2woTUCPAllVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- ALT3 092423 (ALT3)
- ALT4 091624 (ALT4)

Section	Output Parameters	Table Numbers	Figure Numbers
Storage and Elevation	Trinity Lake Storage	F.2.1-1-1a to F.2.1-1-7c	F.2.1-1-1 to F.2.1-1-12
Storage and Elevation	Trinity Lake Elevation	F.2.1-2-1a to F.2.1-2-7c	F.2.1-2-1 to F.2.1-2-12
Storage and Elevation	Shasta Lake Storage	F.2.1-3-1a to F.2.1-3-7c	F.2.1-3-1 to F.2.1-3-12
Storage and Elevation	Shasta Lake Elevation	F.2.1-4-1a to F.2.1-4-7c	F.2.1-4-1 to F.2.1-4-12
Storage and Elevation	Lake Oroville Storage	F.2.1-5-1a to F.2.1-5-7c	F.2.1-5-1 to F.2.1-5-12
Storage and Elevation	Lake Oroville Elevation	F.2.1-6-1a to F.2.1-6-7c	F.2.1-6-1 to F.2.1-6-12
Storage and Elevation	Folsom Lake Storage	F.2.1-7-1a to F.2.1-7-7c	F.2.1-7-1 to F.2.1-7-12
Storage and Elevation	Folsom Lake Elevation	F.2.1-8-1a to F.2.1-8-7c	F.2.1-8-1 to F.2.1-8-12
Storage and Elevation	San Luis Reservoir Storage	F.2.1-9-1a to F.2.1-9-7c	F.2.1-9-1 to F.2.1-9-12
Storage and Elevation	San Luis Reservoir Elevation	F.2.1-10-1a to F.2.1-10-7c	F.2.1-10-1 to F.2.1-10-12
Storage and Elevation	CVP San Luis Reservoir Storage	F.2.1-11-1a to F.2.1-11-7c	F.2.1-11-1 to F.2.1-11-12

Section	Output Parameters	Table Numbers	Figure Numbers
Storage and Elevation	SWP San Luis Reservoir Storage	F.2.1-12-1a to F.2.1-12-7c	F.2.1-12-1 to F.2.1-12-12
Storage and Elevation	New Melones Reservoir Storage	F.2.1-13-1a to F.2.1-13-7c	F.2.1-13-1 to F.2.1-13-12
Storage and Elevation	New Melones Reservoir Elevation	F.2.1-14-1a to F.2.1-14-7c	F.2.1-14-1 to F.2.1-14-12
Storage and Elevation	Millerton Lake Storage	F.2.1-15-1a to F.2.1-15-7c	F.2.1-15-1 to F.2.1-15-12
Storage and Elevation	Millerton Lake Elevation	F.2.1-16-1a to F.2.1-16-7c	F.2.1-16-1 to F.2.1-16-12

F.2-1.2 Report Formats

Reports include monthly tables and monthly exceedance charts.

- Monthly tables include a comparison of an alternative and the No Action Alternative (exceedance values, long-term average, and average by water year type) by subtracting the values in the No Action Alternative table (the table presented at the top of the page) from the values in the alternative table (the second table from the top of the page).
- Monthly exceedance charts (all months) present all alternatives.

Table F.2.1-1-1a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-1b. Trinity Lake Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,809	1,850	1,900	2,000	2,100	2,300	2,287	2,249	2,187	2,052	1,955
20% Exceedance	1,755	1,753	1,807	1,900	2,000	2,100	2,260	2,184	2,077	1,984	1,883	1,789
30% Exceedance	1,529	1,592	1,699	1,812	1,961	2,100	2,218	2,091	2,003	1,895	1,707	1,589
40% Exceedance	1,403	1,466	1,589	1,729	1,877	1,989	2,145	2,020	1,909	1,768	1,607	1,467
50% Exceedance	1,273	1,310	1,482	1,618	1,731	1,853	1,973	1,887	1,789	1,649	1,431	1,315
60% Exceedance	1,153	1,195	1,383	1,495	1,624	1,758	1,862	1,780	1,665	1,506	1,316	1,185
70% Exceedance	1,053	1,078	1,144	1,281	1,484	1,592	1,747	1,631	1,573	1,358	1,201	1,094
80% Exceedance	936	971	988	1,124	1,271	1,436	1,527	1,471	1,373	1,272	1,097	976
90% Exceedance	792	794	839	930	1,077	1,162	1,203	1,144	1,049	980	894	814
Full Simulation Period Average[a]	1,296	1,315	1,400	1,506	1,634	1,757	1,879	1,802	1,721	1,600	1,454	1,338
Wet Water Years (28%)	1,676	1,675	1,722	1,772	1,950	2,063	2,242	2,199	2,115	2,012	1,885	1,762
Above Normal Water Years (14%)	1,521	1,545	1,605	1,676	1,836	2,006	2,164	2,079	1,997	1,876	1,706	1,576
Below Normal Water Years (18%)	1,273	1,301	1,395	1,544	1,649	1,785	1,916	1,832	1,756	1,614	1,444	1,314
Dry Water Years (24%)	1,094	1,134	1,280	1,398	1,511	1,639	1,732	1,634	1,543	1,401	1,237	1,121
Critical Water Years (16%)	710	720	793	1,011	1,072	1,146	1,172	1,085	1,020	920	817	736

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-1c. Trinity Lake Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	7	0	0	0	0	0	0	16	17	-1	30
20% Exceedance	26	10	27	2	0	0	12	2	13	-1	-6	17
30% Exceedance	23	5	3	14	14	0	14	36	6	11	-8	7
40% Exceedance	24	77	14	5	9	6	21	10	13	15	32	32
50% Exceedance	50	6	46	-7	19	23	38	21	10	61	-5	55
60% Exceedance	9	-2	18	52	38	24	21	28	30	15	13	22
70% Exceedance	16	33	10	34	59	-26	20	4	23	25	53	54
80% Exceedance	4	29	6	11	8	41	32	13	23	48	20	3
90% Exceedance	21	20	3	-3	-4	4	31	11	29	28	31	20
Full Simulation Period Average[a]	17	16	14	10	11	11	15	14	18	11	13	17
Wet Water Years (28%)	20	18	13	8	5	2	4	5	10	4	5	17
Above Normal Water Years (14%)	25	26	24	15	-1	1	-1	0	5	-4	4	30
Below Normal Water Years (18%)	10	6	3	8	10	13	16	15	16	13	12	16
Dry Water Years (24%)	34	34	35	13	19	20	25	28	30	37	38	33
Critical Water Years (16%)	-17	-17	-17	7	21	23	32	21	25	-7	-5	-16

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-2a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-2b. Trinity Lake Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,268	2,224	2,157	1,995	1,934
20% Exceedance	1,737	1,735	1,800	1,900	2,000	2,100	2,240	2,181	2,056	2,001	1,890	1,782
30% Exceedance	1,544	1,621	1,688	1,780	1,947	2,086	2,203	2,048	1,968	1,887	1,713	1,631
40% Exceedance	1,380	1,410	1,562	1,710	1,837	1,970	2,131	2,004	1,896	1,768	1,557	1,438
50% Exceedance	1,213	1,293	1,423	1,599	1,732	1,825	1,948	1,846	1,742	1,574	1,392	1,241
60% Exceedance	1,103	1,162	1,332	1,432	1,592	1,760	1,849	1,741	1,596	1,452	1,246	1,118
70% Exceedance	1,019	1,042	1,101	1,262	1,438	1,584	1,722	1,613	1,521	1,316	1,141	1,035
80% Exceedance	931	933	982	1,101	1,257	1,408	1,505	1,443	1,311	1,244	1,069	965
90% Exceedance	781	793	837	937	1,036	1,095	1,111	1,039	973	938	865	798
Full Simulation Period Average[a]	1,273	1,293	1,380	1,489	1,618	1,738	1,857	1,775	1,694	1,580	1,431	1,313
Wet Water Years (28%)	1,655	1,654	1,705	1,741	1,931	2,052	2,231	2,183	2,096	2,000	1,872	1,744
Above Normal Water Years (14%)	1,484	1,512	1,575	1,670	1,839	2,003	2,163	2,075	1,990	1,868	1,682	1,532
Below Normal Water Years (18%)	1,238	1,270	1,365	1,535	1,640	1,771	1,896	1,793	1,721	1,583	1,399	1,272
Dry Water Years (24%)	1,056	1,095	1,239	1,373	1,484	1,611	1,697	1,591	1,498	1,353	1,193	1,082
Critical Water Years (16%)	737	747	819	1,009	1,050	1,111	1,129	1,051	994	927	831	762

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-2c. Trinity Lake Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	-19	-10	-13	-58	9
20% Exceedance	8	-8	21	2	0	0	-8	-1	-8	15	0	9
30% Exceedance	39	34	-8	-18	0	-14	-2	-7	-29	3	-2	48
40% Exceedance	0	21	-14	-14	-31	-13	7	-6	0	15	-18	3
50% Exceedance	-10	-11	-13	-26	20	-6	13	-19	-37	-14	-44	-19
60% Exceedance	-40	-35	-34	-11	6	26	8	-10	-39	-39	-57	-45
70% Exceedance	-18	-2	-33	14	13	-33	-5	-14	-30	-17	-7	-4
80% Exceedance	0	-9	0	-12	-5	13	10	-15	-39	20	-8	-8
90% Exceedance	10	20	1	3	-45	-63	-61	-94	-46	-15	3	4
Full Simulation Period Average[a]	-6	-6	-7	-7	-6	-7	-7	-14	-10	-10	-11	-7
Wet Water Years (28%)	-2	-4	-5	-23	-14	-10	-7	-11	-9	-8	-7	-1
Above Normal Water Years (14%)	-12	-7	-5	9	2	-2	-2	-4	-2	-12	-20	-14
Below Normal Water Years (18%)	-24	-25	-27	0	0	-2	-4	-24	-19	-18	-33	-26
Dry Water Years (24%)	-4	-4	-5	-11	-7	-8	-9	-14	-15	-11	-6	-7
Critical Water Years (16%)	10	10	10	5	-1	-12	-12	-13	-1	0	9	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-3a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-3b. Trinity Lake Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,785	1,850	1,900	2,000	2,100	2,300	2,277	2,233	2,169	1,999	1,935
20% Exceedance	1,738	1,735	1,767	1,900	2,000	2,100	2,240	2,181	2,056	1,998	1,894	1,773
30% Exceedance	1,551	1,615	1,692	1,780	1,945	2,074	2,197	2,046	1,952	1,883	1,723	1,621
40% Exceedance	1,375	1,404	1,545	1,700	1,840	1,972	2,134	2,000	1,891	1,737	1,524	1,435
50% Exceedance	1,196	1,265	1,432	1,591	1,722	1,828	1,936	1,851	1,747	1,581	1,387	1,235
60% Exceedance	1,109	1,158	1,331	1,426	1,586	1,747	1,852	1,743	1,600	1,455	1,261	1,112
70% Exceedance	1,027	1,055	1,099	1,263	1,444	1,575	1,733	1,603	1,530	1,316	1,143	1,035
80% Exceedance	944	939	985	1,102	1,267	1,436	1,502	1,433	1,339	1,256	1,070	976
90% Exceedance	794	794	837	937	1,038	1,113	1,129	1,055	985	943	880	798
Full Simulation Period Average[a]	1,271	1,292	1,378	1,488	1,618	1,739	1,858	1,775	1,695	1,580	1,431	1,312
Wet Water Years (28%)	1,657	1,655	1,706	1,743	1,933	2,053	2,233	2,185	2,097	2,003	1,874	1,746
Above Normal Water Years (14%)	1,482	1,511	1,575	1,660	1,833	2,002	2,163	2,075	1,990	1,871	1,681	1,530
Below Normal Water Years (18%)	1,226	1,257	1,354	1,535	1,639	1,771	1,896	1,788	1,717	1,577	1,392	1,261
Dry Water Years (24%)	1,057	1,097	1,240	1,367	1,477	1,604	1,690	1,586	1,496	1,350	1,192	1,083
Critical Water Years (16%)	738	748	821	1,016	1,065	1,127	1,143	1,065	1,005	934	836	763

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-3c. Trinity Lake Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-17	0	0	0	0	0	-9	0	-1	-53	10
20% Exceedance	9	-8	-12	2	0	0	-8	-1	-8	12	5	1
30% Exceedance	45	28	-4	-18	-2	-26	-7	-8	-45	-1	8	39
40% Exceedance	-5	15	-30	-25	-28	-12	10	-10	-5	-15	-50	-1
50% Exceedance	-27	-39	-3	-33	10	-2	1	-14	-32	-7	-49	-25
60% Exceedance	-34	-39	-35	-18	0	13	11	-8	-35	-36	-42	-51
70% Exceedance	-10	10	-35	15	19	-42	6	-24	-20	-17	-5	-4
80% Exceedance	12	-3	3	-10	5	41	7	-25	-11	32	-7	3
90% Exceedance	23	21	1	3	-43	-45	-43	-78	-35	-10	17	4
Full Simulation Period Average[a]	-8	-8	-8	-8	-5	-6	-6	-13	-9	-9	-11	-8
Wet Water Years (28%)	0	-2	-3	-21	-12	-8	-6	-9	-8	-5	-5	0
Above Normal Water Years (14%)	-14	-7	-6	-1	-3	-3	-2	-4	-2	-9	-20	-16
Below Normal Water Years (18%)	-37	-38	-38	-1	0	-2	-4	-29	-24	-25	-40	-37
Dry Water Years (24%)	-3	-3	-5	-17	-15	-15	-16	-20	-17	-13	-6	-5
Critical Water Years (16%)	11	11	11	12	14	3	3	1	10	7	14	11

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-4a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-4b. Trinity Lake Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,778	1,850	1,900	2,000	2,100	2,300	2,282	2,238	2,158	1,993	1,934
20% Exceedance	1,712	1,735	1,788	1,900	2,000	2,100	2,242	2,181	2,054	1,997	1,862	1,766
30% Exceedance	1,545	1,614	1,684	1,779	1,945	2,075	2,197	2,042	1,936	1,872	1,727	1,617
40% Exceedance	1,365	1,399	1,552	1,694	1,840	1,966	2,134	1,978	1,884	1,739	1,529	1,431
50% Exceedance	1,233	1,273	1,420	1,589	1,716	1,829	1,940	1,861	1,765	1,589	1,405	1,239
60% Exceedance	1,107	1,167	1,357	1,430	1,588	1,749	1,844	1,722	1,610	1,468	1,263	1,129
70% Exceedance	1,032	1,046	1,101	1,289	1,461	1,583	1,715	1,622	1,509	1,321	1,151	1,056
80% Exceedance	921	928	954	1,080	1,216	1,406	1,501	1,440	1,337	1,239	1,071	954
90% Exceedance	777	798	837	937	1,063	1,124	1,141	1,081	1,004	942	862	802
Full Simulation Period Average[a]	1,273	1,294	1,380	1,490	1,618	1,739	1,858	1,774	1,693	1,581	1,430	1,314
Wet Water Years (28%)	1,656	1,656	1,706	1,744	1,933	2,053	2,232	2,183	2,096	2,002	1,873	1,745
Above Normal Water Years (14%)	1,475	1,506	1,570	1,655	1,824	1,993	2,154	2,064	1,974	1,857	1,669	1,522
Below Normal Water Years (18%)	1,223	1,253	1,350	1,540	1,645	1,776	1,901	1,786	1,713	1,574	1,387	1,259
Dry Water Years (24%)	1,074	1,113	1,257	1,376	1,487	1,614	1,701	1,597	1,508	1,366	1,210	1,101
Critical Water Years (16%)	734	744	816	1,014	1,055	1,117	1,132	1,056	999	932	828	759

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-4c. Trinity Lake Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-24	0	0	0	0	0	-4	5	-12	-59	9
20% Exceedance	-17	-8	9	2	0	0	-6	-2	-10	12	-27	-7
30% Exceedance	39	28	-12	-19	-3	-25	-7	-13	-61	-12	12	34
40% Exceedance	-14	10	-24	-30	-28	-18	10	-32	-12	-14	-45	-4
50% Exceedance	10	-31	-16	-35	4	-2	6	-4	-14	1	-31	-22
60% Exceedance	-37	-30	-8	-13	2	15	3	-30	-25	-22	-40	-34
70% Exceedance	-5	1	-33	41	36	-34	-12	-5	-41	-12	3	17
80% Exceedance	-11	-14	-28	-33	-46	11	6	-17	-13	15	-7	-19
90% Exceedance	6	24	1	4	-18	-34	-30	-51	-16	-11	-1	8
Full Simulation Period Average[a]	-6	-6	-6	-6	-5	-6	-6	-14	-11	-8	-11	-7
Wet Water Years (28%)	0	-2	-3	-21	-12	-9	-6	-11	-9	-6	-7	0
Above Normal Water Years (14%)	-20	-12	-10	-6	-12	-12	-11	-15	-18	-23	-33	-25
Below Normal Water Years (18%)	-40	-42	-42	4	5	3	1	-31	-28	-27	-45	-39
Dry Water Years (24%)	14	13	12	-9	-5	-5	-6	-9	-5	2	11	12
Critical Water Years (16%)	7	7	7	10	5	-6	-9	-8	4	5	6	6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-5a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-5b. Trinity Lake Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,267	2,223	2,157	1,995	1,934
20% Exceedance	1,739	1,735	1,800	1,900	2,000	2,100	2,240	2,181	2,056	2,000	1,890	1,782
30% Exceedance	1,557	1,621	1,688	1,780	1,947	2,086	2,203	2,050	1,968	1,891	1,774	1,632
40% Exceedance	1,380	1,410	1,578	1,710	1,837	1,970	2,133	2,008	1,901	1,768	1,557	1,438
50% Exceedance	1,212	1,293	1,423	1,609	1,730	1,835	1,950	1,860	1,753	1,587	1,392	1,242
60% Exceedance	1,111	1,163	1,330	1,432	1,593	1,759	1,849	1,742	1,616	1,452	1,267	1,135
70% Exceedance	1,023	1,049	1,101	1,263	1,458	1,590	1,726	1,614	1,520	1,318	1,150	1,049
80% Exceedance	944	942	991	1,117	1,257	1,420	1,524	1,463	1,349	1,256	1,072	979
90% Exceedance	782	800	885	969	1,071	1,095	1,117	1,065	999	933	866	798
Full Simulation Period Average[a]	1,280	1,300	1,387	1,495	1,623	1,744	1,865	1,784	1,703	1,588	1,439	1,321
Wet Water Years (28%)	1,655	1,654	1,705	1,741	1,931	2,052	2,231	2,183	2,096	2,000	1,872	1,744
Above Normal Water Years (14%)	1,488	1,516	1,580	1,682	1,848	2,011	2,172	2,084	1,999	1,876	1,689	1,537
Below Normal Water Years (18%)	1,254	1,284	1,378	1,555	1,659	1,791	1,917	1,814	1,743	1,605	1,419	1,289
Dry Water Years (24%)	1,058	1,097	1,241	1,376	1,487	1,614	1,700	1,594	1,500	1,355	1,194	1,083
Critical Water Years (16%)	760	770	842	1,012	1,053	1,114	1,146	1,074	1,014	943	854	784

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-5c. Trinity Lake Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	-19	-11	-13	-58	9
20% Exceedance	10	-8	21	2	0	0	-8	-1	-8	14	1	9
30% Exceedance	51	34	-8	-18	0	-14	-2	-4	-29	7	59	49
40% Exceedance	0	21	3	-14	-31	-13	9	-2	5	15	-17	3
50% Exceedance	-10	-12	-13	-15	18	4	15	-5	-26	-1	-44	-18
60% Exceedance	-32	-34	-36	-11	8	24	8	-10	-19	-39	-36	-28
70% Exceedance	-14	4	-33	15	33	-27	-1	-13	-30	-15	2	10
80% Exceedance	13	0	8	5	-5	24	29	6	-1	32	-5	6
90% Exceedance	11	27	49	35	-10	-63	-55	-67	-21	-20	3	4
Full Simulation Period Average[a]	1	1	0	-1	0	-1	1	-4	-1	-2	-2	0
Wet Water Years (28%)	-1	-4	-5	-23	-14	-10	-7	-11	-9	-8	-7	-1
Above Normal Water Years (14%)	-7	-2	-1	21	11	7	7	5	6	-4	-13	-9
Below Normal Water Years (18%)	-9	-11	-14	20	19	18	17	-3	3	3	-13	-9
Dry Water Years (24%)	-2	-3	-3	-8	-4	-5	-7	-12	-13	-9	-5	-6
Critical Water Years (16%)	33	33	33	8	3	-10	5	10	19	16	32	31

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-6a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-6b. Trinity Lake Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,843	1,850	1,900	2,000	2,100	2,300	2,282	2,187	2,167	2,096	1,948
20% Exceedance	1,657	1,695	1,786	1,900	2,000	2,100	2,242	2,172	2,061	1,965	1,823	1,727
30% Exceedance	1,512	1,605	1,699	1,789	1,989	2,098	2,204	2,085	1,996	1,920	1,737	1,581
40% Exceedance	1,402	1,443	1,595	1,720	1,856	1,995	2,119	2,019	1,903	1,776	1,588	1,457
50% Exceedance	1,327	1,362	1,493	1,653	1,732	1,888	2,013	1,886	1,811	1,663	1,496	1,359
60% Exceedance	1,223	1,266	1,395	1,459	1,620	1,749	1,829	1,733	1,671	1,551	1,378	1,236
70% Exceedance	1,119	1,157	1,224	1,353	1,507	1,646	1,743	1,661	1,570	1,395	1,250	1,143
80% Exceedance	957	985	1,025	1,149	1,351	1,489	1,589	1,532	1,432	1,299	1,131	1,000
90% Exceedance	824	814	906	989	1,092	1,243	1,299	1,173	1,082	1,021	904	855
Full Simulation Period Average[a]	1,316	1,340	1,422	1,528	1,651	1,770	1,888	1,813	1,737	1,627	1,480	1,358
Wet Water Years (28%)	1,634	1,646	1,690	1,782	1,956	2,063	2,231	2,182	2,089	1,985	1,855	1,715
Above Normal Water Years (14%)	1,520	1,546	1,606	1,681	1,851	2,017	2,175	2,086	1,998	1,885	1,713	1,569
Below Normal Water Years (18%)	1,351	1,380	1,467	1,586	1,690	1,830	1,959	1,880	1,825	1,713	1,535	1,406
Dry Water Years (24%)	1,121	1,160	1,303	1,403	1,514	1,639	1,723	1,627	1,555	1,426	1,260	1,145
Critical Water Years (16%)	790	800	873	1,069	1,101	1,173	1,206	1,132	1,066	982	889	815

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-6c. Trinity Lake Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	41	0	0	0	0	0	-4	-47	-3	44	23
20% Exceedance	-72	-48	7	2	0	0	-6	-10	-3	-21	-67	-46
30% Exceedance	6	19	3	-9	42	-2	0	31	-1	37	22	-1
40% Exceedance	23	54	19	-5	-12	12	-5	9	7	24	13	22
50% Exceedance	104	58	58	28	20	57	78	20	32	75	60	99
60% Exceedance	79	69	29	16	35	15	-12	-19	36	60	75	73
70% Exceedance	82	112	90	106	82	29	16	34	20	62	101	104
80% Exceedance	26	43	43	37	89	94	94	74	82	75	54	27
90% Exceedance	53	41	70	55	11	85	127	40	62	68	41	61
Full Simulation Period Average[a]	37	40	35	32	27	25	24	25	33	38	39	38
Wet Water Years (28%)	-22	-11	-19	18	11	1	-8	-12	-16	-23	-25	-30
Above Normal Water Years (14%)	25	28	25	20	14	13	10	8	5	5	11	23
Below Normal Water Years (18%)	89	85	75	51	50	58	59	63	84	111	103	108
Dry Water Years (24%)	61	60	59	18	22	20	16	22	42	62	61	57
Critical Water Years (16%)	63	63	63	65	51	50	66	67	71	55	67	62

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-7a. Trinity Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,802	1,850	1,900	2,000	2,100	2,300	2,286	2,233	2,170	2,053	1,925
20% Exceedance	1,729	1,743	1,779	1,898	2,000	2,100	2,248	2,182	2,064	1,986	1,889	1,773
30% Exceedance	1,506	1,587	1,696	1,798	1,947	2,100	2,204	2,055	1,997	1,884	1,715	1,582
40% Exceedance	1,379	1,389	1,576	1,725	1,868	1,983	2,124	2,010	1,896	1,753	1,574	1,435
50% Exceedance	1,222	1,304	1,436	1,625	1,712	1,831	1,935	1,865	1,779	1,588	1,436	1,260
60% Exceedance	1,143	1,197	1,366	1,443	1,585	1,734	1,841	1,752	1,635	1,491	1,303	1,163
70% Exceedance	1,037	1,045	1,134	1,248	1,425	1,617	1,727	1,627	1,550	1,333	1,148	1,039
80% Exceedance	931	942	983	1,113	1,262	1,395	1,495	1,457	1,350	1,224	1,077	973
90% Exceedance	771	773	836	933	1,081	1,158	1,172	1,132	1,020	953	863	794
Full Simulation Period Average[a]	1,279	1,299	1,386	1,496	1,623	1,745	1,864	1,788	1,704	1,589	1,442	1,320
Wet Water Years (28%)	1,656	1,658	1,709	1,764	1,945	2,061	2,239	2,194	2,105	2,008	1,879	1,745
Above Normal Water Years (14%)	1,496	1,518	1,581	1,661	1,837	2,005	2,165	2,079	1,992	1,880	1,702	1,546
Below Normal Water Years (18%)	1,263	1,295	1,392	1,536	1,640	1,773	1,900	1,817	1,740	1,602	1,432	1,298
Dry Water Years (24%)	1,060	1,100	1,244	1,385	1,492	1,619	1,706	1,606	1,513	1,364	1,199	1,088
Critical Water Years (16%)	727	737	810	1,004	1,051	1,123	1,140	1,064	995	927	822	753

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-7b. Trinity Lake Storage, Alternative 4, End-of-Month Storage (TAF)

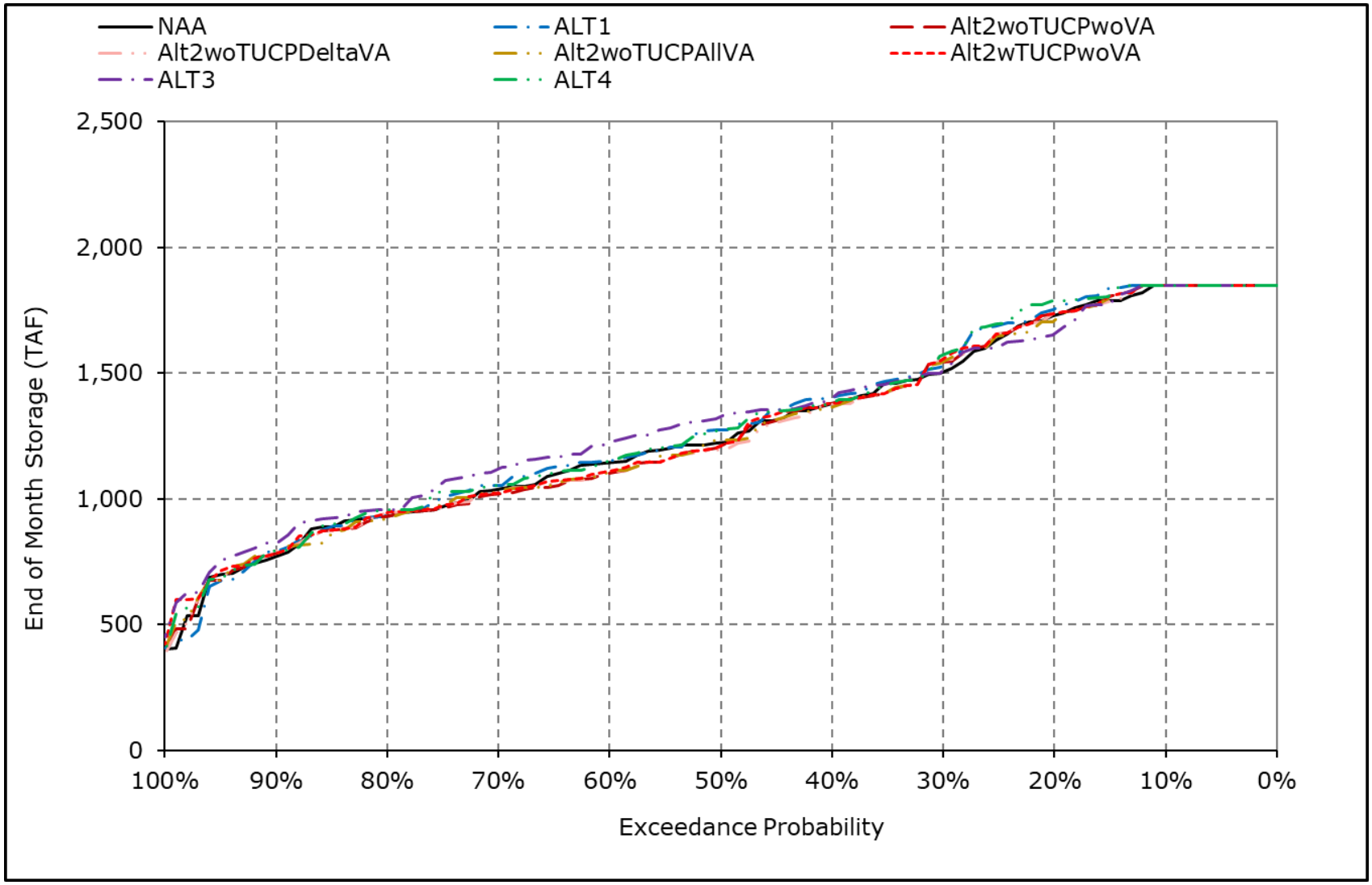
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,803	1,850	1,900	2,000	2,100	2,300	2,287	2,239	2,175	2,051	1,935
20% Exceedance	1,787	1,750	1,803	1,900	2,000	2,100	2,248	2,182	2,068	1,990	1,904	1,795
30% Exceedance	1,573	1,610	1,708	1,798	1,961	2,100	2,203	2,054	2,009	1,905	1,747	1,597
40% Exceedance	1,384	1,438	1,582	1,720	1,870	1,984	2,128	2,021	1,901	1,773	1,580	1,443
50% Exceedance	1,274	1,318	1,471	1,642	1,728	1,840	1,945	1,881	1,786	1,634	1,466	1,311
60% Exceedance	1,150	1,190	1,379	1,425	1,603	1,757	1,860	1,755	1,649	1,516	1,305	1,172
70% Exceedance	1,053	1,083	1,130	1,278	1,452	1,602	1,730	1,633	1,528	1,334	1,184	1,079
80% Exceedance	955	957	1,002	1,140	1,279	1,455	1,509	1,478	1,375	1,254	1,095	994
90% Exceedance	795	790	859	933	1,080	1,140	1,223	1,120	1,007	944	876	813
Full Simulation Period Average[a]	1,300	1,317	1,402	1,506	1,632	1,750	1,871	1,795	1,713	1,601	1,456	1,339
Wet Water Years (28%)	1,681	1,674	1,720	1,767	1,951	2,062	2,239	2,194	2,107	2,008	1,880	1,759
Above Normal Water Years (14%)	1,527	1,548	1,608	1,683	1,847	2,015	2,176	2,090	2,005	1,891	1,716	1,577
Below Normal Water Years (18%)	1,272	1,301	1,396	1,555	1,659	1,791	1,918	1,835	1,761	1,627	1,446	1,311
Dry Water Years (24%)	1,083	1,122	1,266	1,391	1,502	1,628	1,715	1,615	1,524	1,386	1,225	1,113
Critical Water Years (16%)	743	754	826	1,008	1,049	1,110	1,142	1,066	999	928	842	768

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-1-7c. Trinity Lake Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

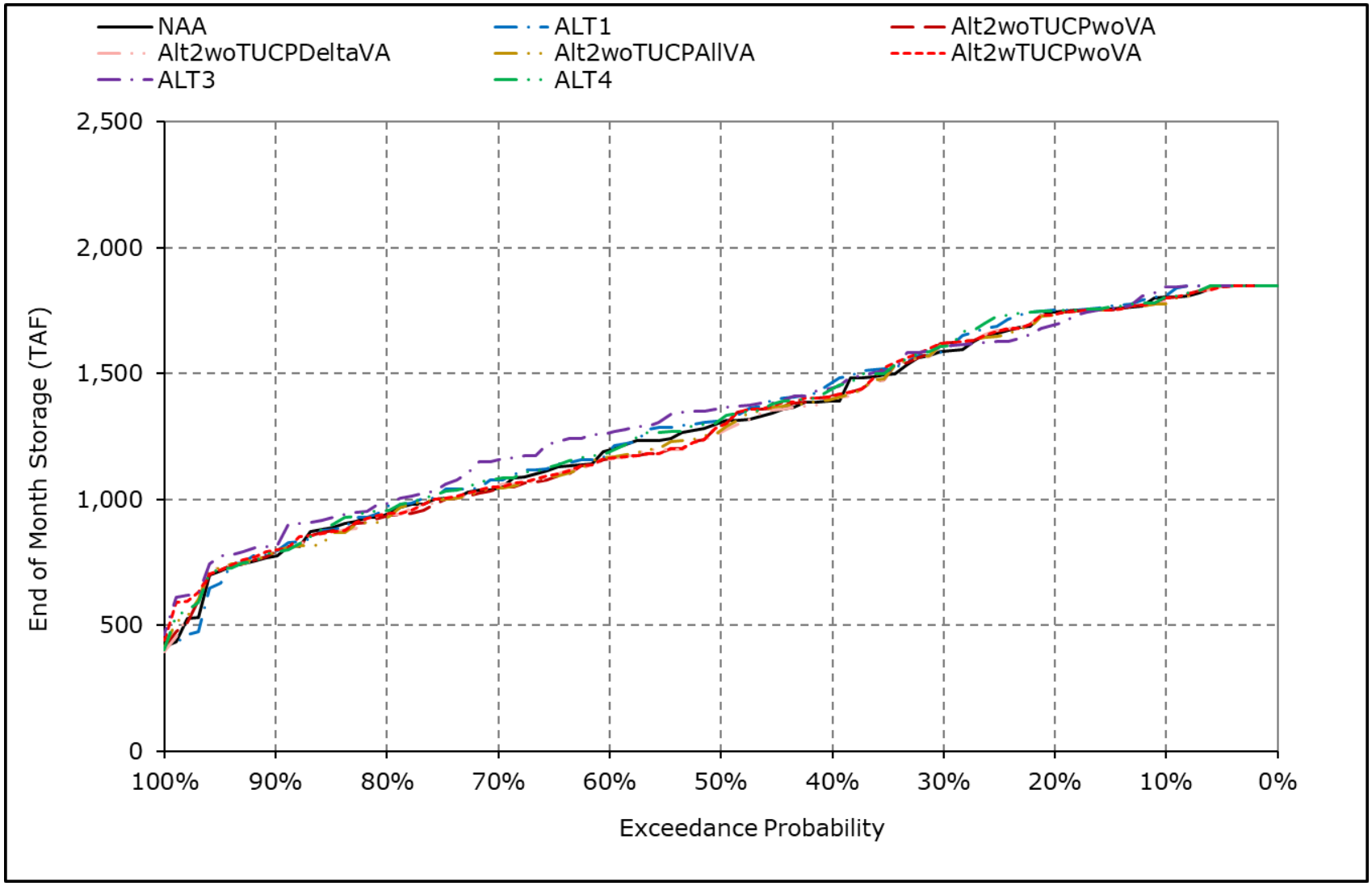
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1	0	0	0	0	0	0	6	5	-2	10
20% Exceedance	58	7	24	2	0	0	0	0	4	4	15	22
30% Exceedance	67	23	12	0	14	0	-1	-1	11	21	32	15
40% Exceedance	4	50	6	-5	2	1	4	11	5	20	5	8
50% Exceedance	52	14	36	18	16	10	10	15	7	46	30	51
60% Exceedance	6	-7	14	-18	18	23	19	3	14	25	3	9
70% Exceedance	16	38	-4	30	27	-15	4	6	-22	1	36	40
80% Exceedance	24	15	19	27	17	60	14	21	25	30	17	21
90% Exceedance	25	16	23	-1	-1	-18	51	-13	-13	-9	14	19
Full Simulation Period Average[a]	21	18	15	10	9	5	7	7	9	12	14	19
Wet Water Years (28%)	24	16	10	3	5	1	0	0	2	0	1	13
Above Normal Water Years (14%)	31	29	27	22	11	11	11	11	13	10	14	31
Below Normal Water Years (18%)	9	6	4	20	20	18	17	18	21	25	14	13
Dry Water Years (24%)	23	23	21	7	10	10	8	10	11	22	26	24
Critical Water Years (16%)	16	16	16	4	-1	-13	1	1	4	1	20	16

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



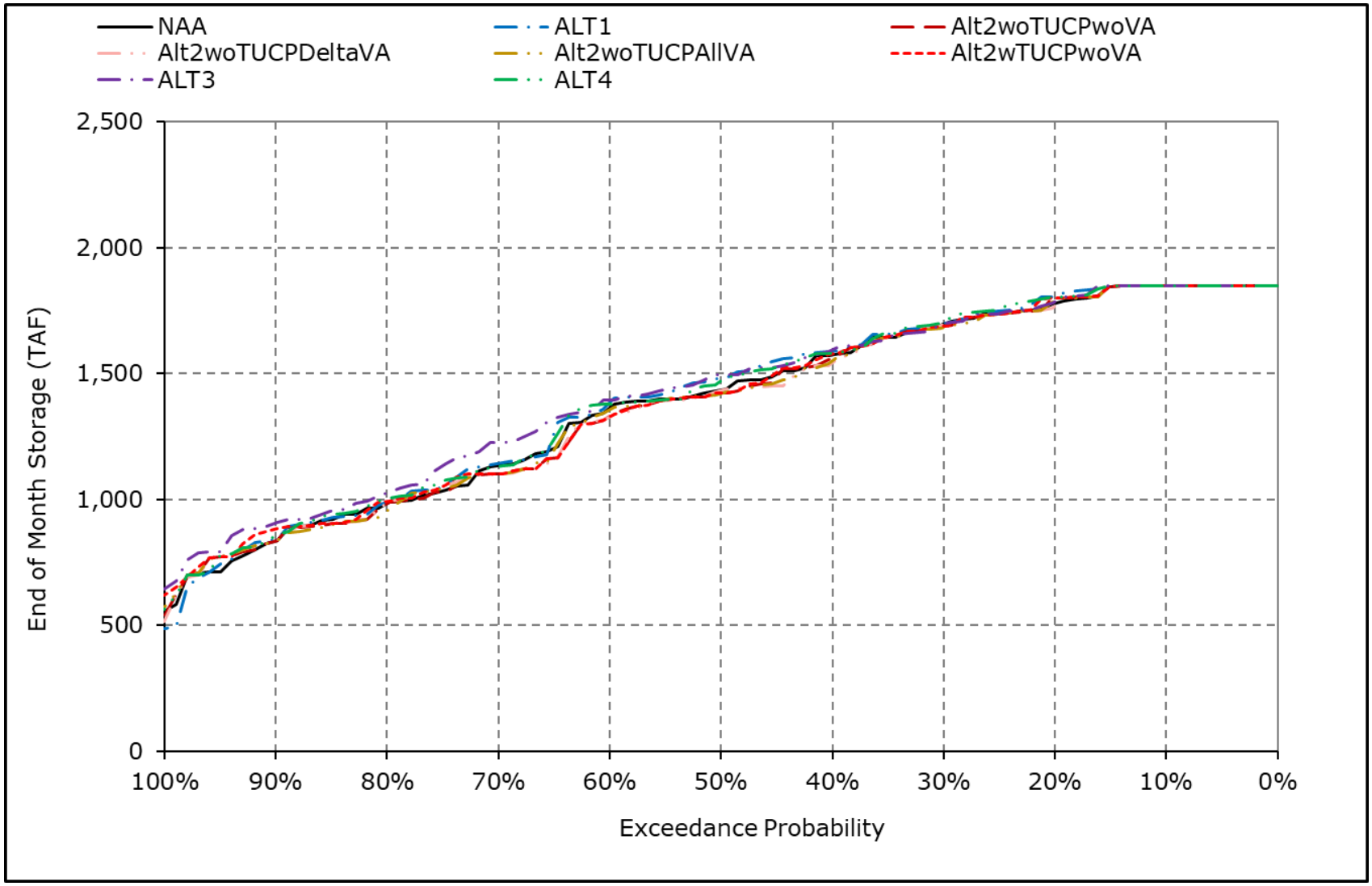
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-1. Trinity Lake Storage, October



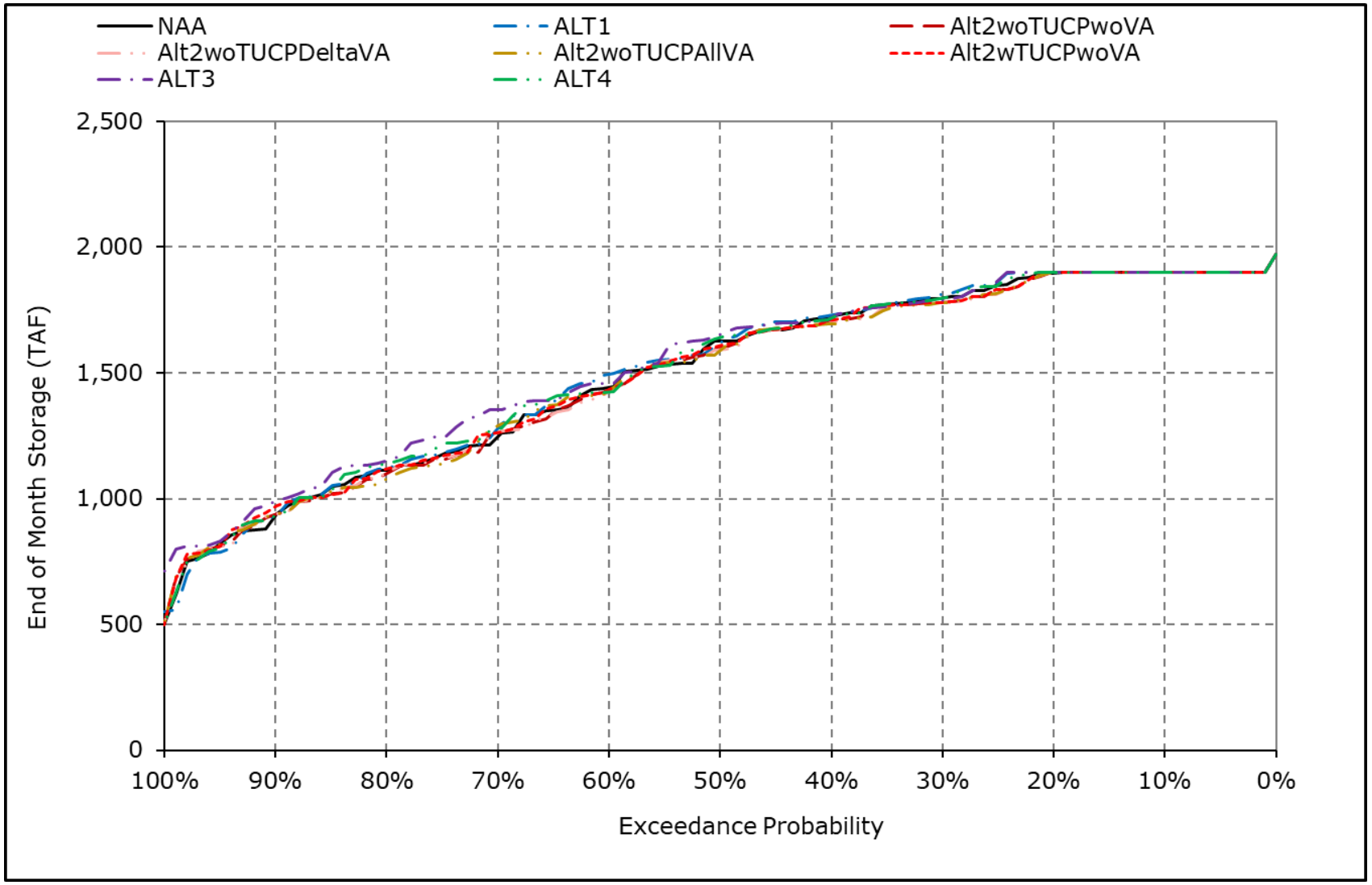
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-2. Trinity Lake Storage, November



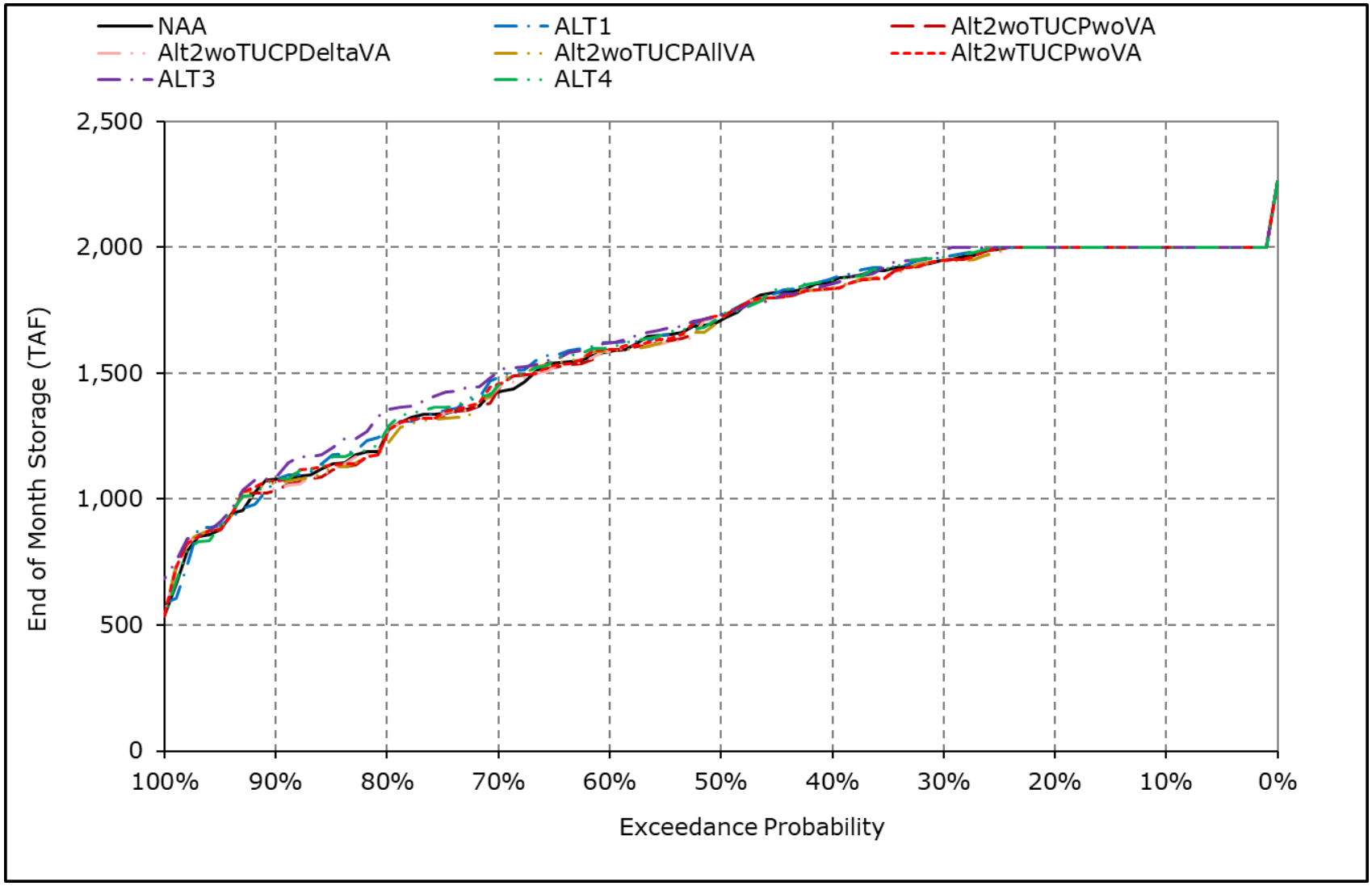
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-3. Trinity Lake Storage, December



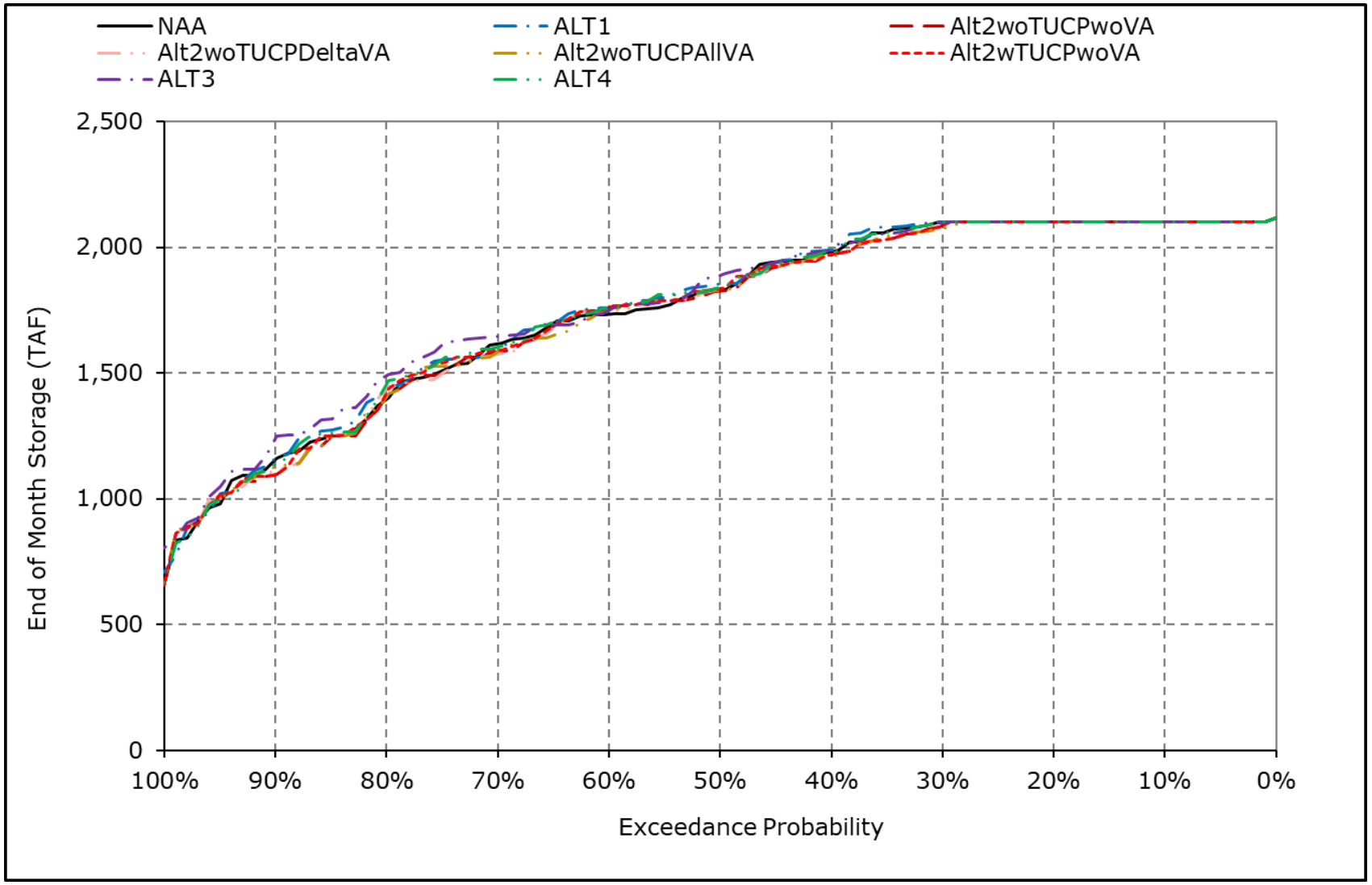
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-10. Trinity Lake Storage, January



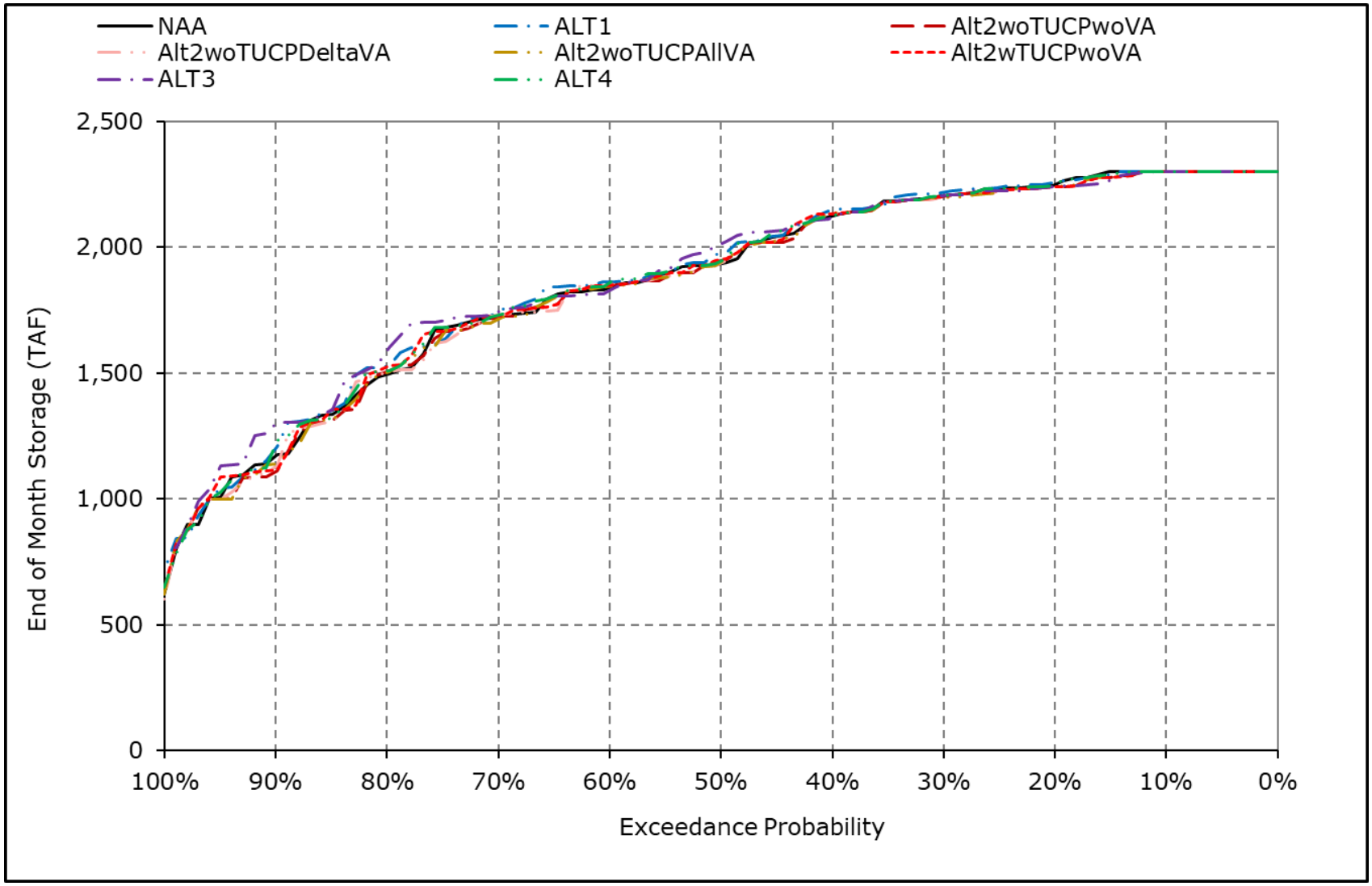
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-5. Trinity Lake Storage, February



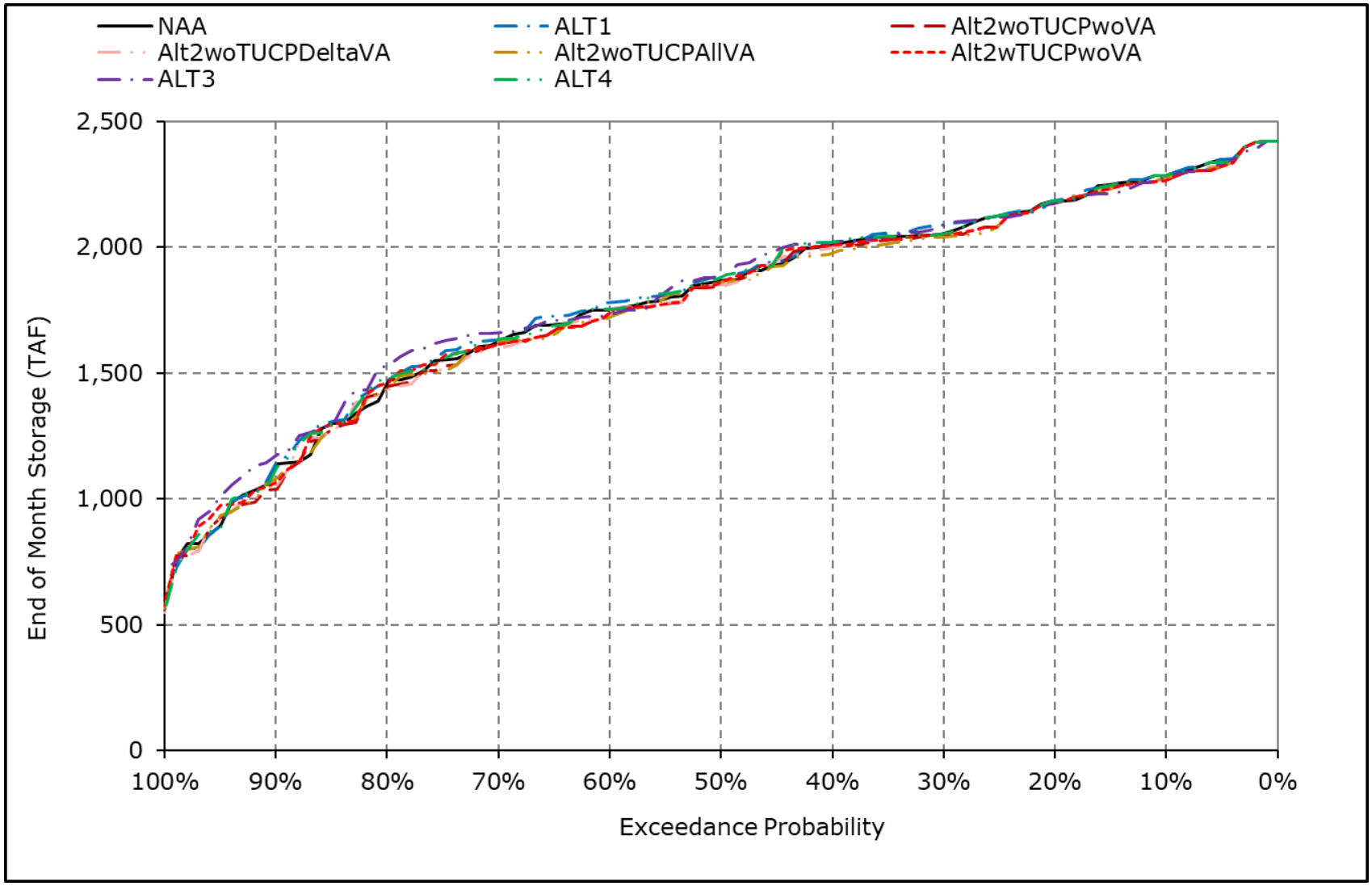
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-6. Trinity Lake Storage, March



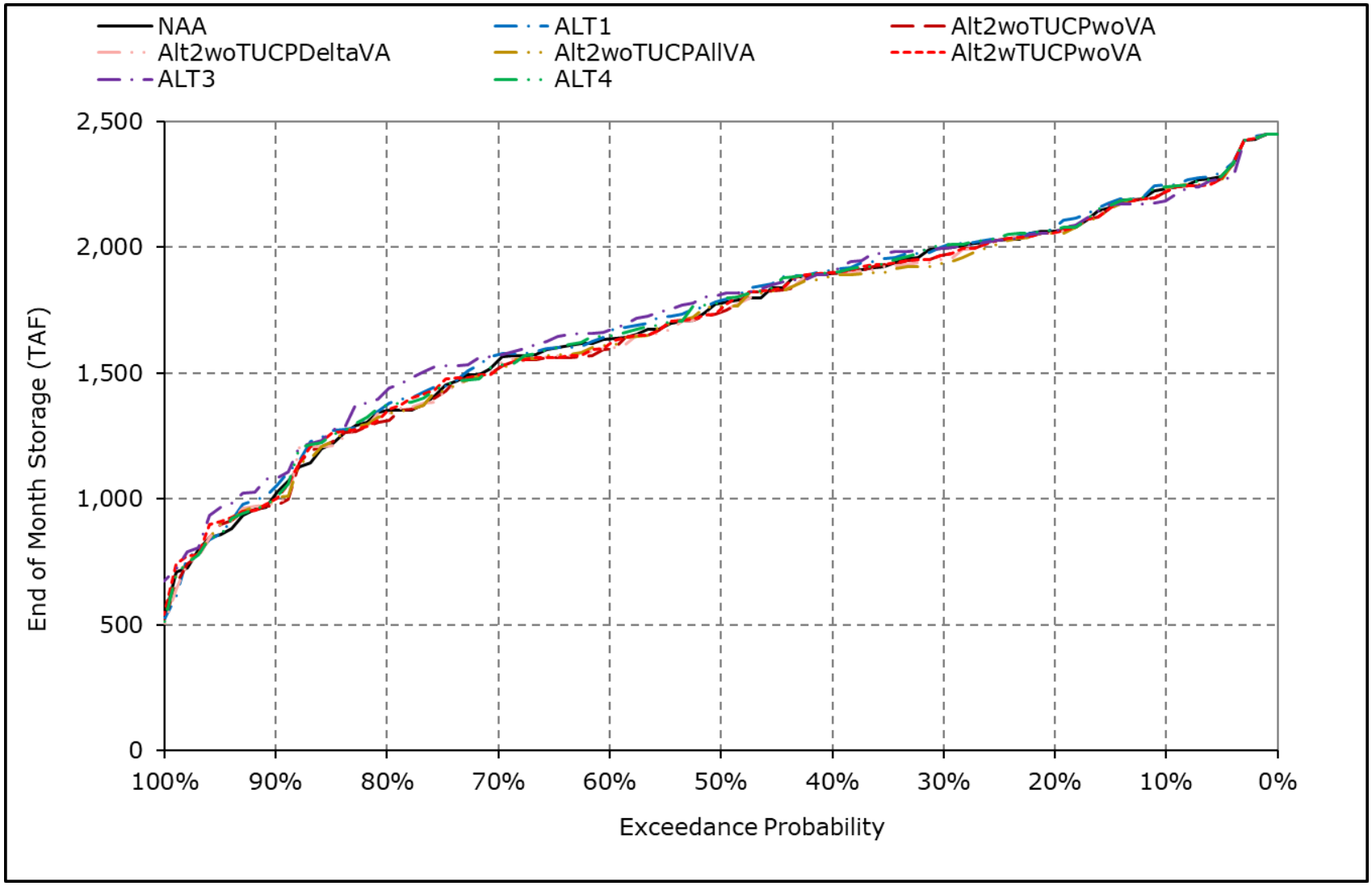
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-7. Trinity Lake Storage, April



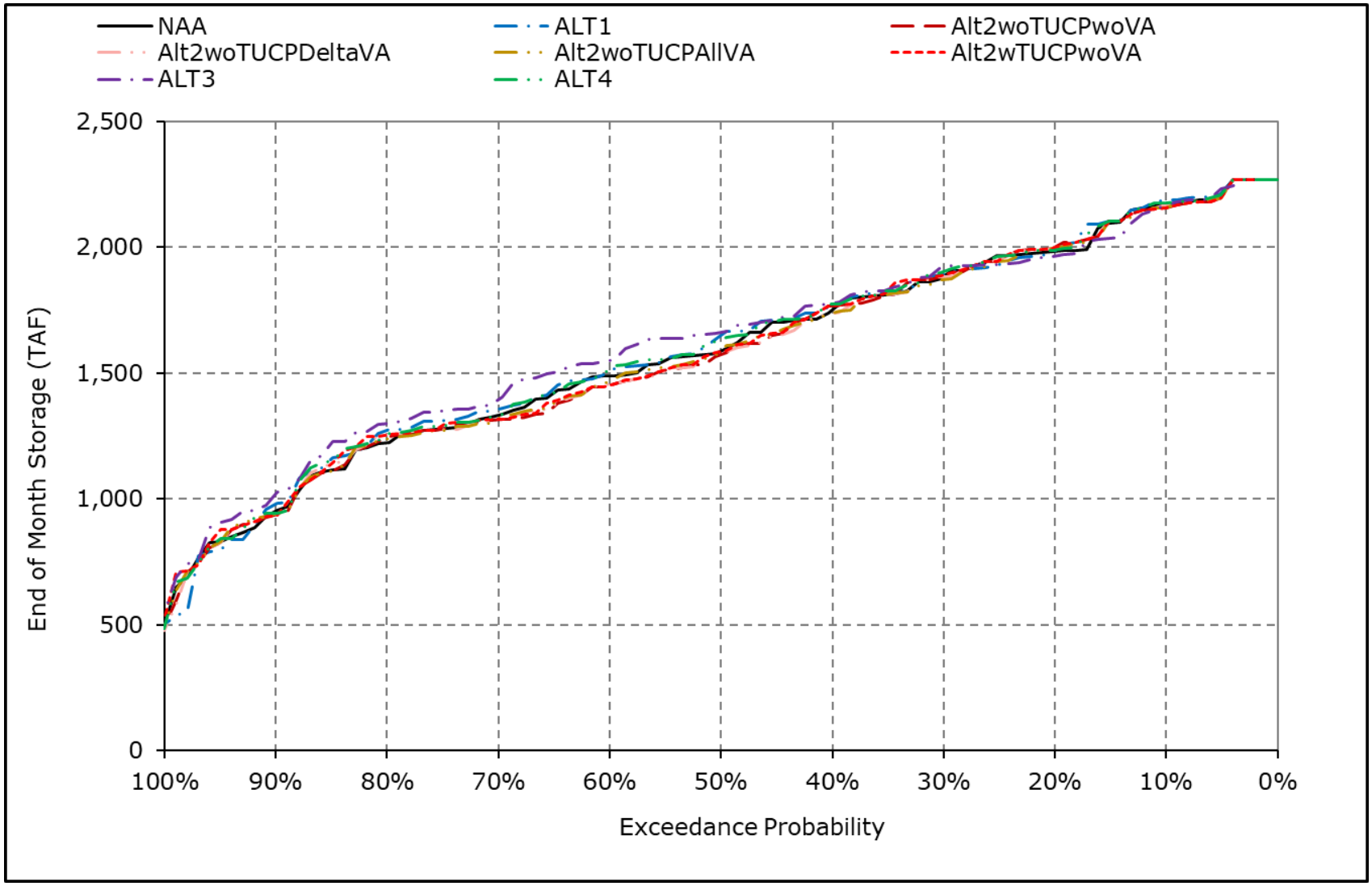
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-8. Trinity Lake Storage, May



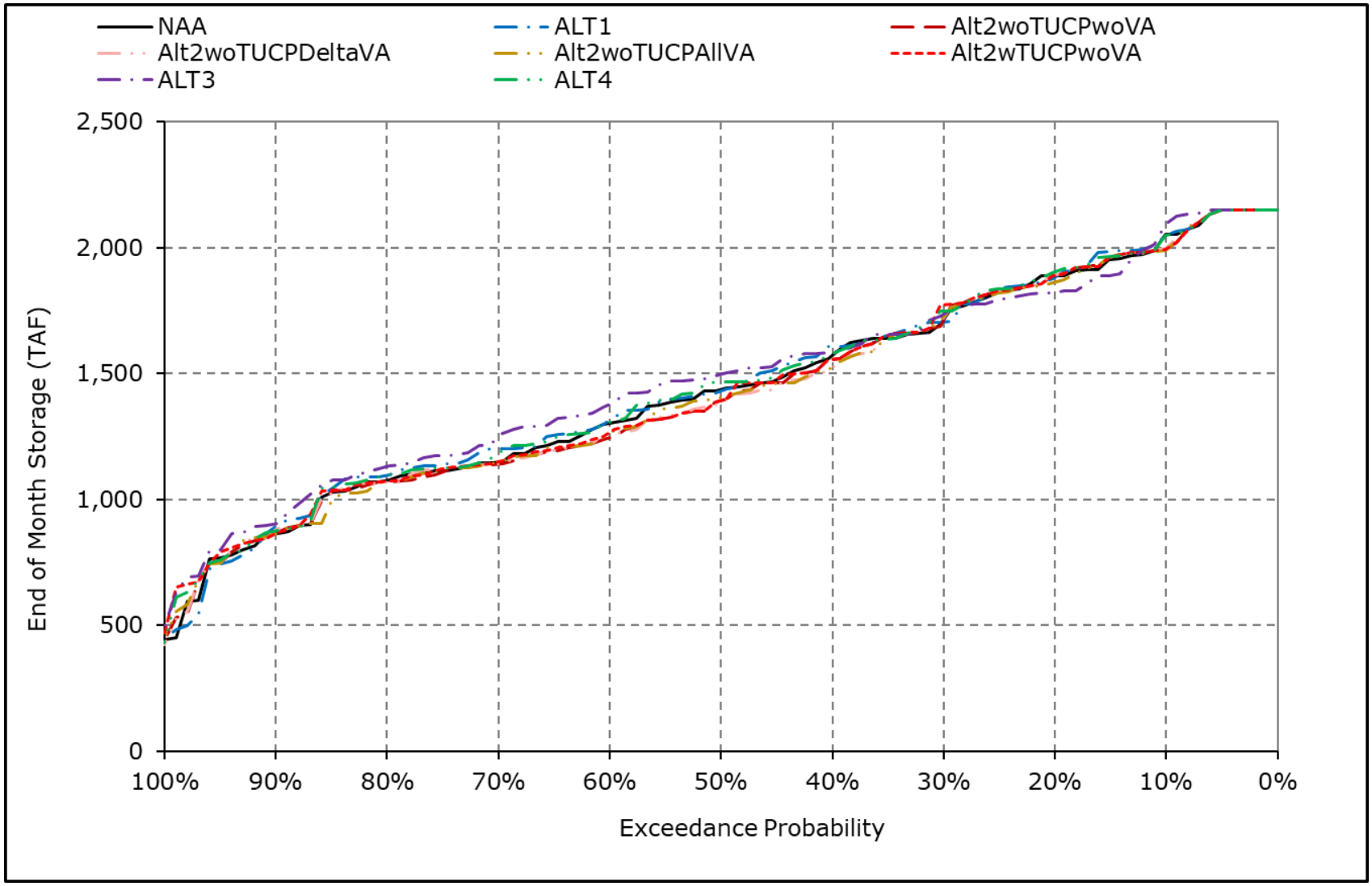
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-9. Trinity Lake Storage, June



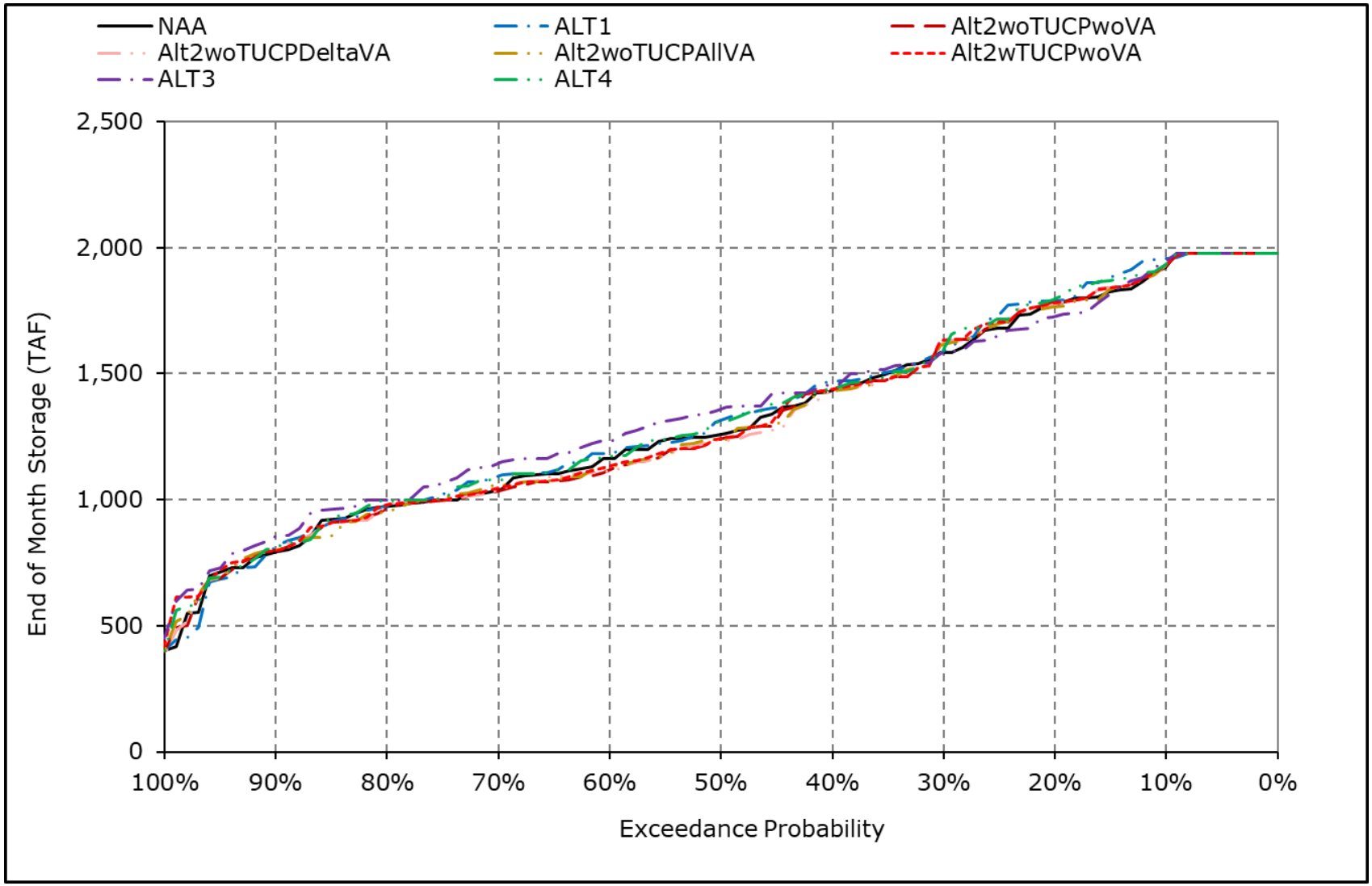
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-10. Trinity Lake Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-11. Trinity Lake Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-12. Trinity Lake Storage, September

Table F.2.1-2-1a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-1b. Trinity Lake Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,329	2,332	2,337	2,345	2,350	2,361	2,360	2,358	2,355	2,348	2,341
20% Exceedance	2,324	2,324	2,329	2,337	2,345	2,350	2,359	2,355	2,349	2,344	2,335	2,327
30% Exceedance	2,305	2,310	2,319	2,329	2,342	2,350	2,357	2,350	2,345	2,336	2,320	2,310
40% Exceedance	2,294	2,300	2,310	2,322	2,335	2,344	2,353	2,346	2,337	2,325	2,312	2,300
50% Exceedance	2,283	2,287	2,301	2,313	2,322	2,333	2,343	2,335	2,327	2,315	2,297	2,287
60% Exceedance	2,271	2,275	2,293	2,302	2,313	2,324	2,333	2,326	2,317	2,303	2,287	2,275
70% Exceedance	2,261	2,264	2,270	2,284	2,301	2,310	2,324	2,314	2,309	2,291	2,276	2,265
80% Exceedance	2,248	2,252	2,254	2,268	2,283	2,297	2,305	2,300	2,292	2,283	2,266	2,252
90% Exceedance	2,229	2,230	2,236	2,247	2,264	2,272	2,276	2,270	2,261	2,253	2,243	2,232
Full Simulation Period Average[a]	2,281	2,283	2,291	2,301	2,313	2,322	2,331	2,325	2,318	2,308	2,295	2,285
Wet Water Years (28%)	2,317	2,317	2,321	2,325	2,340	2,348	2,358	2,355	2,350	2,343	2,334	2,325
Above Normal Water Years (14%)	2,304	2,306	2,311	2,317	2,331	2,343	2,353	2,349	2,343	2,333	2,320	2,309
Below Normal Water Years (18%)	2,281	2,284	2,292	2,305	2,315	2,326	2,335	2,329	2,323	2,312	2,297	2,285
Dry Water Years (24%)	2,264	2,268	2,281	2,293	2,303	2,314	2,322	2,314	2,306	2,294	2,279	2,267
Critical Water Years (16%)	2,215	2,216	2,228	2,252	2,259	2,268	2,271	2,261	2,254	2,242	2,229	2,218

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-1c. Trinity Lake Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1	0	0	0	0	0	0	1	1	0	3
20% Exceedance	2	1	2	0	0	0	1	0	1	0	-1	1
30% Exceedance	2	0	0	1	1	0	1	2	0	1	-1	1
40% Exceedance	2	7	1	0	1	0	1	1	1	1	3	3
50% Exceedance	5	0	4	-1	2	2	3	2	1	5	0	5
60% Exceedance	1	0	1	4	3	2	2	2	3	1	1	2
70% Exceedance	2	4	1	3	5	-2	2	0	2	2	5	6
80% Exceedance	0	3	1	1	1	3	3	1	2	5	2	0
90% Exceedance	3	3	0	0	-1	0	3	1	3	3	4	3
Full Simulation Period Average[a]	1	1	1	1	1	1	1	1	1	1	1	1
Wet Water Years (28%)	2	2	1	1	0	0	0	0	1	0	0	1
Above Normal Water Years (14%)	2	2	2	1	0	0	0	0	0	0	0	3
Below Normal Water Years (18%)	1	1	0	0	1	1	1	1	1	1	1	1
Dry Water Years (24%)	4	4	4	1	2	2	2	2	3	3	4	3
Critical Water Years (16%)	-3	-3	-3	1	2	2	3	2	2	-2	-1	-3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-2a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-2b. Trinity Lake Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,359	2,357	2,353	2,345	2,339
20% Exceedance	2,323	2,322	2,328	2,337	2,345	2,350	2,358	2,355	2,348	2,345	2,336	2,326
30% Exceedance	2,306	2,313	2,319	2,326	2,341	2,350	2,356	2,348	2,342	2,335	2,321	2,314
40% Exceedance	2,292	2,295	2,308	2,320	2,331	2,342	2,352	2,345	2,336	2,325	2,307	2,297
50% Exceedance	2,277	2,285	2,296	2,311	2,322	2,330	2,341	2,332	2,323	2,309	2,293	2,280
60% Exceedance	2,266	2,272	2,288	2,297	2,310	2,325	2,332	2,323	2,311	2,298	2,281	2,268
70% Exceedance	2,257	2,260	2,266	2,282	2,297	2,310	2,321	2,312	2,304	2,287	2,270	2,259
80% Exceedance	2,247	2,247	2,253	2,266	2,282	2,295	2,303	2,298	2,287	2,280	2,263	2,251
90% Exceedance	2,228	2,229	2,236	2,248	2,259	2,265	2,267	2,259	2,252	2,248	2,240	2,230
Full Simulation Period Average[a]	2,279	2,281	2,289	2,300	2,311	2,321	2,329	2,322	2,316	2,307	2,293	2,282
Wet Water Years (28%)	2,315	2,315	2,320	2,323	2,339	2,347	2,357	2,354	2,349	2,342	2,333	2,323
Above Normal Water Years (14%)	2,301	2,303	2,309	2,317	2,331	2,343	2,354	2,349	2,342	2,333	2,318	2,305
Below Normal Water Years (18%)	2,278	2,280	2,289	2,304	2,314	2,325	2,334	2,327	2,321	2,309	2,293	2,281
Dry Water Years (24%)	2,260	2,264	2,277	2,291	2,301	2,312	2,319	2,310	2,302	2,289	2,274	2,263
Critical Water Years (16%)	2,219	2,221	2,232	2,252	2,257	2,265	2,266	2,257	2,251	2,244	2,232	2,223

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-2c. Trinity Lake Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	-1	-1	-1	-3	1
20% Exceedance	1	-1	2	0	0	0	0	0	0	1	0	1
30% Exceedance	3	3	-1	-2	0	-1	0	0	-2	0	0	4
40% Exceedance	0	2	-1	-1	-3	-1	0	0	0	1	-1	0
50% Exceedance	-1	-1	-1	-2	2	0	1	-2	-3	-1	-4	-2
60% Exceedance	-4	-3	-3	-1	1	2	1	-1	-3	-3	-5	-5
70% Exceedance	-2	0	-3	1	1	-3	0	-1	-2	-1	-1	0
80% Exceedance	0	-1	0	-1	0	1	1	-1	-3	2	-1	-1
90% Exceedance	1	3	0	0	-5	-6	-6	-10	-5	-2	0	1
Full Simulation Period Average[a]	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1
Wet Water Years (28%)	0	0	0	-2	-1	-1	0	-1	-1	-1	-1	0
Above Normal Water Years (14%)	-1	-1	-1	1	0	0	0	0	0	-1	-2	-1
Below Normal Water Years (18%)	-3	-3	-3	0	0	0	0	-2	-2	-2	-3	-3
Dry Water Years (24%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Critical Water Years (16%)	2	2	1	1	0	-1	-1	-2	0	0	1	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-3a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-3b. Trinity Lake Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,327	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,345	2,339
20% Exceedance	2,323	2,322	2,325	2,337	2,345	2,350	2,358	2,355	2,348	2,345	2,336	2,326
30% Exceedance	2,307	2,312	2,319	2,326	2,340	2,349	2,356	2,347	2,341	2,335	2,321	2,313
40% Exceedance	2,292	2,294	2,306	2,319	2,331	2,343	2,352	2,345	2,336	2,323	2,305	2,297
50% Exceedance	2,276	2,283	2,297	2,310	2,321	2,330	2,340	2,332	2,324	2,309	2,293	2,280
60% Exceedance	2,267	2,272	2,288	2,296	2,310	2,323	2,332	2,323	2,311	2,299	2,282	2,267
70% Exceedance	2,258	2,261	2,266	2,282	2,298	2,309	2,322	2,311	2,305	2,287	2,270	2,259
80% Exceedance	2,249	2,248	2,253	2,266	2,283	2,297	2,303	2,297	2,289	2,282	2,263	2,252
90% Exceedance	2,230	2,230	2,236	2,248	2,259	2,267	2,269	2,261	2,253	2,248	2,241	2,230
Full Simulation Period Average[a]	2,279	2,281	2,289	2,299	2,311	2,321	2,329	2,323	2,316	2,307	2,293	2,282
Wet Water Years (28%)	2,316	2,316	2,320	2,323	2,339	2,347	2,357	2,354	2,349	2,342	2,333	2,323
Above Normal Water Years (14%)	2,301	2,303	2,309	2,316	2,331	2,343	2,354	2,349	2,342	2,333	2,318	2,305
Below Normal Water Years (18%)	2,277	2,279	2,288	2,304	2,314	2,325	2,334	2,326	2,320	2,309	2,292	2,280
Dry Water Years (24%)	2,260	2,264	2,277	2,290	2,300	2,311	2,319	2,310	2,302	2,289	2,274	2,263
Critical Water Years (16%)	2,219	2,221	2,232	2,253	2,259	2,266	2,268	2,259	2,252	2,244	2,232	2,223

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-3c. Trinity Lake Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	0	0	0	0	0	0	0	0	-3	1
20% Exceedance	1	-1	-1	0	0	0	0	0	0	1	0	0
30% Exceedance	4	2	0	-1	0	-1	0	0	-4	0	1	3
40% Exceedance	0	1	-3	-2	-2	-1	1	-1	0	-1	-4	0
50% Exceedance	-3	-4	0	-3	1	0	0	-1	-3	-1	-4	-2
60% Exceedance	-3	-4	-3	-1	0	1	1	-1	-3	-3	-4	-5
70% Exceedance	-1	1	-3	2	2	-4	0	-2	-2	-1	-1	0
80% Exceedance	1	0	0	-1	0	3	1	-2	-1	3	-1	0
90% Exceedance	3	3	0	0	-5	-5	-4	-8	-4	-1	2	1
Full Simulation Period Average[a]	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1
Wet Water Years (28%)	0	0	0	-2	-1	-1	0	-1	-1	0	0	0
Above Normal Water Years (14%)	-1	-1	-1	0	0	0	0	0	0	-1	-2	-2
Below Normal Water Years (18%)	-4	-4	-3	0	0	0	0	-2	-2	-2	-4	-4
Dry Water Years (24%)	0	0	0	-2	-1	-1	-1	-2	-1	-1	-1	-1
Critical Water Years (16%)	2	2	1	2	2	0	0	0	1	0	2	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-4a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-4b. Trinity Lake Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,326	2,332	2,337	2,345	2,350	2,361	2,360	2,358	2,353	2,344	2,339
20% Exceedance	2,320	2,322	2,327	2,337	2,345	2,350	2,358	2,355	2,348	2,345	2,333	2,325
30% Exceedance	2,306	2,312	2,318	2,326	2,340	2,349	2,356	2,347	2,340	2,334	2,322	2,312
40% Exceedance	2,291	2,294	2,307	2,319	2,331	2,342	2,352	2,343	2,335	2,323	2,305	2,297
50% Exceedance	2,279	2,283	2,296	2,310	2,321	2,330	2,340	2,333	2,325	2,310	2,295	2,280
60% Exceedance	2,267	2,273	2,291	2,297	2,310	2,324	2,332	2,321	2,312	2,300	2,282	2,269
70% Exceedance	2,259	2,260	2,266	2,285	2,299	2,310	2,321	2,313	2,303	2,287	2,271	2,261
80% Exceedance	2,246	2,247	2,250	2,264	2,278	2,295	2,303	2,297	2,289	2,280	2,263	2,250
90% Exceedance	2,227	2,230	2,236	2,248	2,262	2,268	2,270	2,264	2,255	2,248	2,239	2,231
Full Simulation Period Average[a]	2,279	2,281	2,289	2,300	2,311	2,321	2,329	2,323	2,316	2,307	2,293	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,323	2,339	2,347	2,357	2,354	2,349	2,342	2,333	2,323
Above Normal Water Years (14%)	2,300	2,303	2,308	2,315	2,330	2,343	2,353	2,348	2,341	2,332	2,317	2,304
Below Normal Water Years (18%)	2,276	2,279	2,288	2,305	2,314	2,325	2,334	2,326	2,320	2,308	2,292	2,280
Dry Water Years (24%)	2,262	2,266	2,279	2,291	2,301	2,312	2,320	2,311	2,303	2,291	2,276	2,265
Critical Water Years (16%)	2,219	2,221	2,232	2,252	2,258	2,265	2,267	2,258	2,252	2,244	2,232	2,223

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-4c. Trinity Lake Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-2	0	0	0	0	0	0	0	-1	-3	1
20% Exceedance	-1	-1	1	0	0	0	0	0	-1	1	-2	-1
30% Exceedance	3	2	-1	-2	0	-1	0	-1	-5	-1	1	3
40% Exceedance	-1	1	-2	-3	-2	-2	1	-2	-1	-1	-4	0
50% Exceedance	1	-3	-1	-3	0	0	0	0	-1	0	-3	-2
60% Exceedance	-4	-3	-1	-1	0	1	0	-3	-2	-2	-4	-3
70% Exceedance	-1	0	-3	4	3	-3	-1	0	-3	-1	0	2
80% Exceedance	-1	-2	-3	-3	-5	1	1	-1	-1	2	-1	-2
90% Exceedance	1	3	0	0	-2	-3	-3	-5	-2	-1	0	1
Full Simulation Period Average[a]	0	0	0	-1	0	0	0	-1	-1	-1	-1	-1
Wet Water Years (28%)	0	0	0	-2	-1	-1	0	-1	-1	0	-1	0
Above Normal Water Years (14%)	-2	-1	-1	-1	-1	-1	-1	-1	-1	-2	-3	-2
Below Normal Water Years (18%)	-4	-4	-4	0	0	0	0	-2	-2	-2	-4	-4
Dry Water Years (24%)	1	1	1	-1	0	0	0	-1	0	0	1	1
Critical Water Years (16%)	2	2	1	1	1	0	-1	-1	0	0	1	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-5a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-5b. Trinity Lake Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,359	2,357	2,353	2,345	2,339
20% Exceedance	2,323	2,322	2,328	2,337	2,345	2,350	2,358	2,355	2,348	2,345	2,336	2,326
30% Exceedance	2,307	2,313	2,319	2,326	2,341	2,350	2,356	2,348	2,342	2,336	2,326	2,314
40% Exceedance	2,292	2,295	2,309	2,320	2,331	2,342	2,352	2,345	2,337	2,325	2,307	2,297
50% Exceedance	2,277	2,285	2,296	2,312	2,322	2,331	2,341	2,333	2,324	2,310	2,293	2,280
60% Exceedance	2,267	2,272	2,288	2,297	2,310	2,324	2,332	2,323	2,312	2,298	2,283	2,269
70% Exceedance	2,258	2,261	2,266	2,282	2,299	2,310	2,322	2,312	2,304	2,287	2,271	2,261
80% Exceedance	2,249	2,248	2,254	2,268	2,282	2,296	2,305	2,299	2,290	2,282	2,263	2,253
90% Exceedance	2,228	2,230	2,242	2,251	2,263	2,266	2,268	2,262	2,255	2,247	2,240	2,230
Full Simulation Period Average[a]	2,280	2,282	2,290	2,300	2,312	2,321	2,330	2,323	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,315	2,315	2,320	2,323	2,339	2,347	2,357	2,354	2,349	2,342	2,333	2,323
Above Normal Water Years (14%)	2,301	2,303	2,309	2,318	2,332	2,344	2,354	2,349	2,343	2,333	2,319	2,305
Below Normal Water Years (18%)	2,279	2,282	2,291	2,306	2,316	2,326	2,336	2,328	2,323	2,311	2,295	2,283
Dry Water Years (24%)	2,260	2,264	2,277	2,291	2,301	2,312	2,320	2,310	2,302	2,290	2,274	2,263
Critical Water Years (16%)	2,223	2,225	2,235	2,252	2,258	2,265	2,268	2,260	2,254	2,246	2,236	2,226

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-5c. Trinity Lake Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	-1	-1	-1	-3	1
20% Exceedance	1	-1	2	0	0	0	0	0	0	1	0	1
30% Exceedance	4	3	-1	-2	0	-1	0	0	-2	1	5	4
40% Exceedance	0	2	0	-1	-3	-1	0	0	0	1	-1	0
50% Exceedance	-1	-1	-1	-1	2	0	1	0	-2	0	-4	-2
60% Exceedance	-3	-3	-3	-1	1	2	1	-1	-2	-3	-3	-3
70% Exceedance	-2	0	-3	2	3	-2	0	-1	-3	-1	0	1
80% Exceedance	1	0	1	0	0	2	2	0	0	3	-1	1
90% Exceedance	2	4	6	4	-1	-6	-6	-7	-2	-2	0	1
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (28%)	0	0	0	-2	-1	-1	0	-1	-1	-1	-1	0
Above Normal Water Years (14%)	-1	0	0	2	1	1	1	1	1	0	-1	-1
Below Normal Water Years (18%)	-1	-1	-1	2	2	2	1	0	0	0	-1	-1
Dry Water Years (24%)	0	0	0	-1	0	0	-1	-1	-1	-1	-1	-1
Critical Water Years (16%)	6	6	5	1	1	-1	1	1	2	2	5	5

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-6a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-6b. Trinity Lake Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,360	2,355	2,354	2,350	2,341
20% Exceedance	2,316	2,319	2,327	2,337	2,345	2,350	2,358	2,354	2,348	2,342	2,330	2,322
30% Exceedance	2,304	2,311	2,319	2,327	2,344	2,350	2,356	2,350	2,345	2,338	2,323	2,309
40% Exceedance	2,294	2,298	2,311	2,321	2,333	2,344	2,351	2,346	2,337	2,326	2,310	2,299
50% Exceedance	2,288	2,291	2,302	2,316	2,322	2,335	2,346	2,335	2,329	2,316	2,302	2,291
60% Exceedance	2,278	2,283	2,294	2,299	2,313	2,324	2,330	2,322	2,317	2,307	2,292	2,280
70% Exceedance	2,268	2,272	2,278	2,290	2,303	2,315	2,323	2,316	2,308	2,294	2,281	2,270
80% Exceedance	2,250	2,253	2,258	2,271	2,290	2,302	2,310	2,305	2,297	2,286	2,269	2,255
90% Exceedance	2,234	2,232	2,244	2,254	2,265	2,280	2,286	2,273	2,264	2,257	2,244	2,238
Full Simulation Period Average[a]	2,284	2,286	2,294	2,303	2,314	2,324	2,332	2,326	2,320	2,311	2,298	2,287
Wet Water Years (28%)	2,314	2,315	2,319	2,326	2,341	2,348	2,357	2,354	2,349	2,341	2,331	2,321
Above Normal Water Years (14%)	2,304	2,306	2,312	2,318	2,332	2,344	2,354	2,349	2,343	2,334	2,320	2,308
Below Normal Water Years (18%)	2,289	2,291	2,299	2,309	2,319	2,330	2,339	2,333	2,329	2,320	2,305	2,294
Dry Water Years (24%)	2,267	2,271	2,284	2,293	2,303	2,314	2,321	2,313	2,307	2,296	2,281	2,269
Critical Water Years (16%)	2,228	2,229	2,239	2,259	2,263	2,271	2,275	2,267	2,260	2,251	2,240	2,231

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-6c. Trinity Lake Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	4	0	0	0	0	0	0	-2	0	2	2
20% Exceedance	-6	-4	1	0	0	0	0	-1	0	-2	-6	-4
30% Exceedance	1	2	0	-1	4	0	0	2	0	3	2	0
40% Exceedance	2	5	2	0	-1	1	0	0	1	2	1	2
50% Exceedance	10	5	5	2	2	5	6	2	3	6	5	9
60% Exceedance	8	7	2	1	3	1	-1	-2	3	5	6	7
70% Exceedance	9	12	9	9	7	2	1	3	2	5	10	11
80% Exceedance	3	5	5	4	8	8	8	6	7	7	5	3
90% Exceedance	8	6	9	6	1	8	12	4	7	8	5	9
Full Simulation Period Average[a]	4	5	4	3	3	2	2	2	3	4	4	4
Wet Water Years (28%)	-2	-1	-2	2	1	0	0	-1	-1	-2	-2	-2
Above Normal Water Years (14%)	2	3	2	2	1	1	1	1	1	1	1	2
Below Normal Water Years (18%)	9	8	7	5	5	5	5	5	7	9	9	10
Dry Water Years (24%)	6	6	6	2	2	2	1	2	4	5	6	6
Critical Water Years (16%)	10	10	9	8	6	5	7	8	8	7	9	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-7a. Trinity Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,348	2,339
20% Exceedance	2,322	2,323	2,326	2,336	2,345	2,350	2,358	2,355	2,348	2,344	2,336	2,326
30% Exceedance	2,303	2,310	2,319	2,328	2,341	2,350	2,356	2,348	2,345	2,335	2,321	2,310
40% Exceedance	2,292	2,293	2,309	2,322	2,334	2,344	2,352	2,346	2,336	2,324	2,309	2,297
50% Exceedance	2,278	2,286	2,297	2,313	2,321	2,331	2,339	2,334	2,326	2,310	2,297	2,282
60% Exceedance	2,270	2,276	2,291	2,298	2,310	2,322	2,331	2,324	2,314	2,302	2,286	2,272
70% Exceedance	2,259	2,260	2,269	2,281	2,296	2,312	2,322	2,313	2,307	2,288	2,271	2,259
80% Exceedance	2,247	2,248	2,253	2,267	2,282	2,294	2,302	2,299	2,290	2,278	2,264	2,252
90% Exceedance	2,226	2,227	2,236	2,247	2,264	2,272	2,273	2,269	2,257	2,250	2,239	2,230
Full Simulation Period Average[a]	2,279	2,281	2,290	2,300	2,312	2,321	2,329	2,324	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,316	2,316	2,320	2,325	2,340	2,348	2,358	2,355	2,349	2,343	2,333	2,323
Above Normal Water Years (14%)	2,302	2,304	2,309	2,316	2,331	2,343	2,353	2,349	2,342	2,334	2,320	2,306
Below Normal Water Years (18%)	2,280	2,283	2,292	2,304	2,314	2,325	2,334	2,328	2,322	2,311	2,296	2,284
Dry Water Years (24%)	2,261	2,265	2,278	2,292	2,302	2,313	2,320	2,311	2,303	2,290	2,275	2,264
Critical Water Years (16%)	2,218	2,219	2,231	2,251	2,257	2,266	2,267	2,259	2,251	2,244	2,230	2,221

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-7b. Trinity Lake Elevation, Alternative 4, End-of-Month Elevation (Feet)

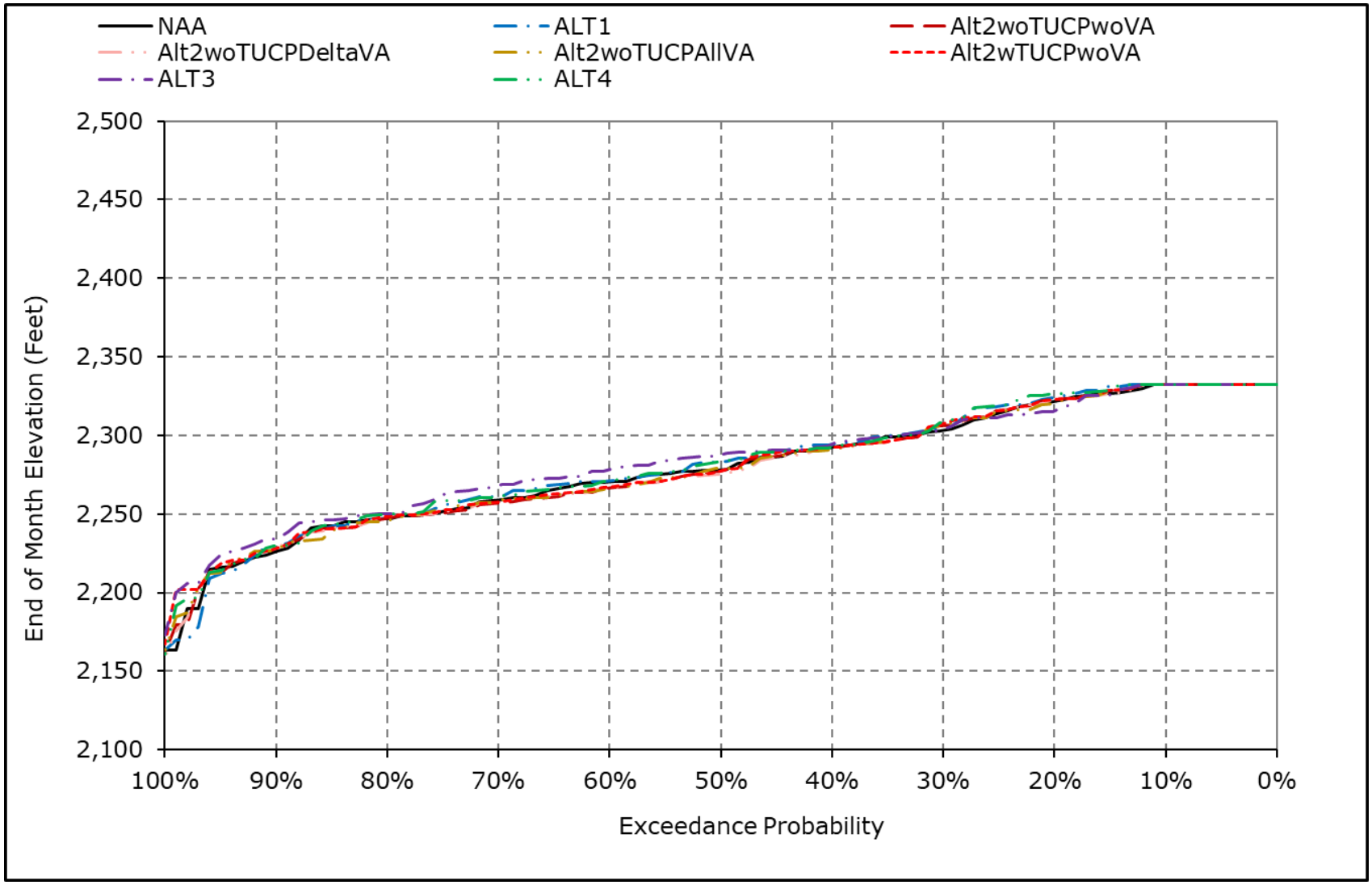
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,358	2,354	2,348	2,340
20% Exceedance	2,327	2,324	2,328	2,337	2,345	2,350	2,358	2,355	2,349	2,344	2,337	2,328
30% Exceedance	2,309	2,312	2,320	2,328	2,342	2,350	2,356	2,348	2,345	2,337	2,324	2,311
40% Exceedance	2,293	2,297	2,309	2,321	2,334	2,344	2,352	2,346	2,337	2,326	2,309	2,298
50% Exceedance	2,283	2,287	2,300	2,315	2,322	2,331	2,340	2,335	2,327	2,314	2,300	2,287
60% Exceedance	2,271	2,275	2,292	2,296	2,311	2,324	2,333	2,324	2,315	2,304	2,286	2,273
70% Exceedance	2,261	2,264	2,269	2,284	2,299	2,311	2,322	2,314	2,305	2,289	2,274	2,264
80% Exceedance	2,250	2,250	2,255	2,270	2,284	2,299	2,303	2,301	2,292	2,281	2,265	2,254
90% Exceedance	2,230	2,229	2,239	2,247	2,264	2,270	2,278	2,268	2,256	2,249	2,241	2,232
Full Simulation Period Average[a]	2,281	2,283	2,291	2,301	2,312	2,322	2,330	2,324	2,318	2,308	2,296	2,285
Wet Water Years (28%)	2,318	2,317	2,321	2,325	2,341	2,348	2,358	2,355	2,350	2,343	2,333	2,324
Above Normal Water Years (14%)	2,305	2,306	2,312	2,318	2,332	2,344	2,354	2,350	2,343	2,335	2,321	2,309
Below Normal Water Years (18%)	2,281	2,284	2,292	2,306	2,316	2,326	2,336	2,330	2,324	2,313	2,297	2,285
Dry Water Years (24%)	2,263	2,267	2,280	2,292	2,302	2,313	2,321	2,312	2,304	2,292	2,277	2,266
Critical Water Years (16%)	2,221	2,222	2,233	2,252	2,257	2,265	2,268	2,259	2,252	2,244	2,234	2,224

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-2-7c. Trinity Lake Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

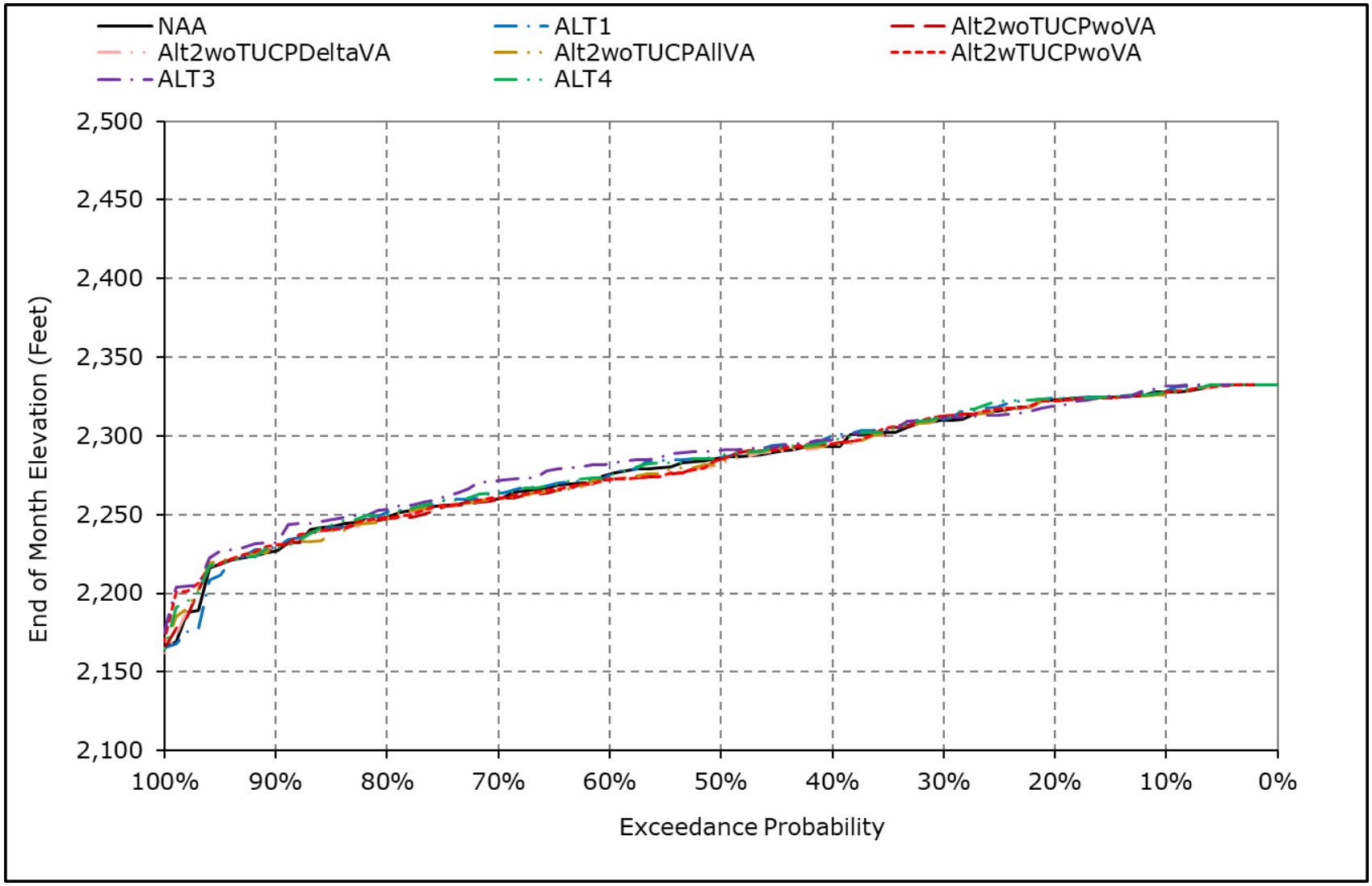
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
20% Exceedance	5	1	2	0	0	0	0	0	0	0	1	2
30% Exceedance	6	2	1	0	1	0	0	0	1	2	3	1
40% Exceedance	0	4	1	0	0	0	0	1	0	2	0	1
50% Exceedance	5	1	3	2	1	1	1	1	1	4	3	5
60% Exceedance	1	-1	1	-2	2	2	2	0	1	2	0	1
70% Exceedance	2	4	0	3	2	-1	0	1	-2	0	4	4
80% Exceedance	3	2	2	3	2	5	1	2	2	3	2	2
90% Exceedance	4	2	3	0	0	-2	5	-1	-2	-1	2	3
Full Simulation Period Average[a]	2	2	2	1	1	0	1	1	1	1	2	2
Wet Water Years (28%)	2	1	1	0	0	0	0	0	0	0	0	1
Above Normal Water Years (14%)	3	3	2	2	1	1	1	1	1	1	1	3
Below Normal Water Years (18%)	1	1	1	2	2	2	1	1	2	2	1	1
Dry Water Years (24%)	2	2	2	1	1	1	1	1	1	2	2	2
Critical Water Years (16%)	3	3	2	1	0	-1	0	0	0	0	3	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



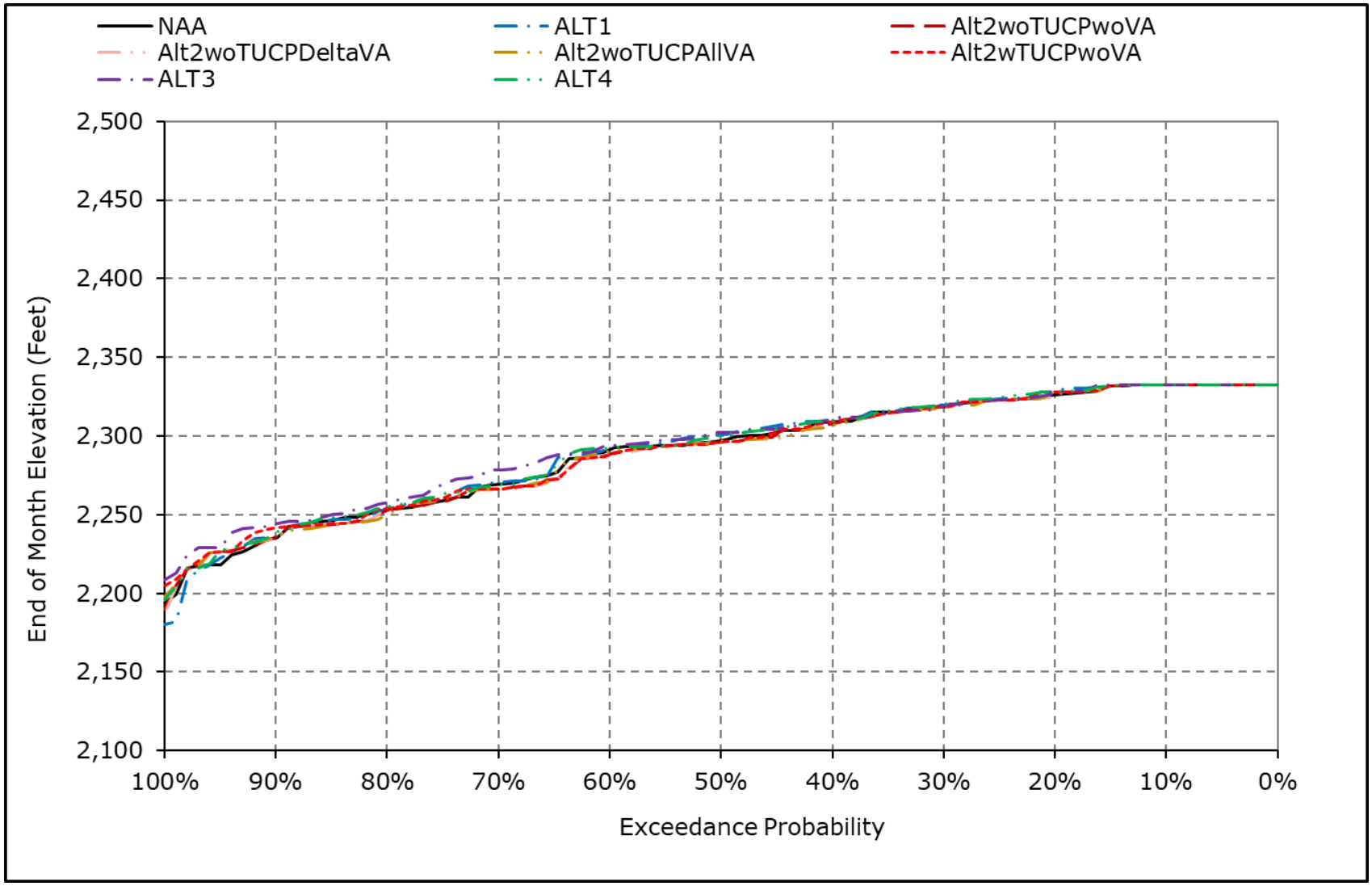
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-1. Trinity Lake Elevation, October



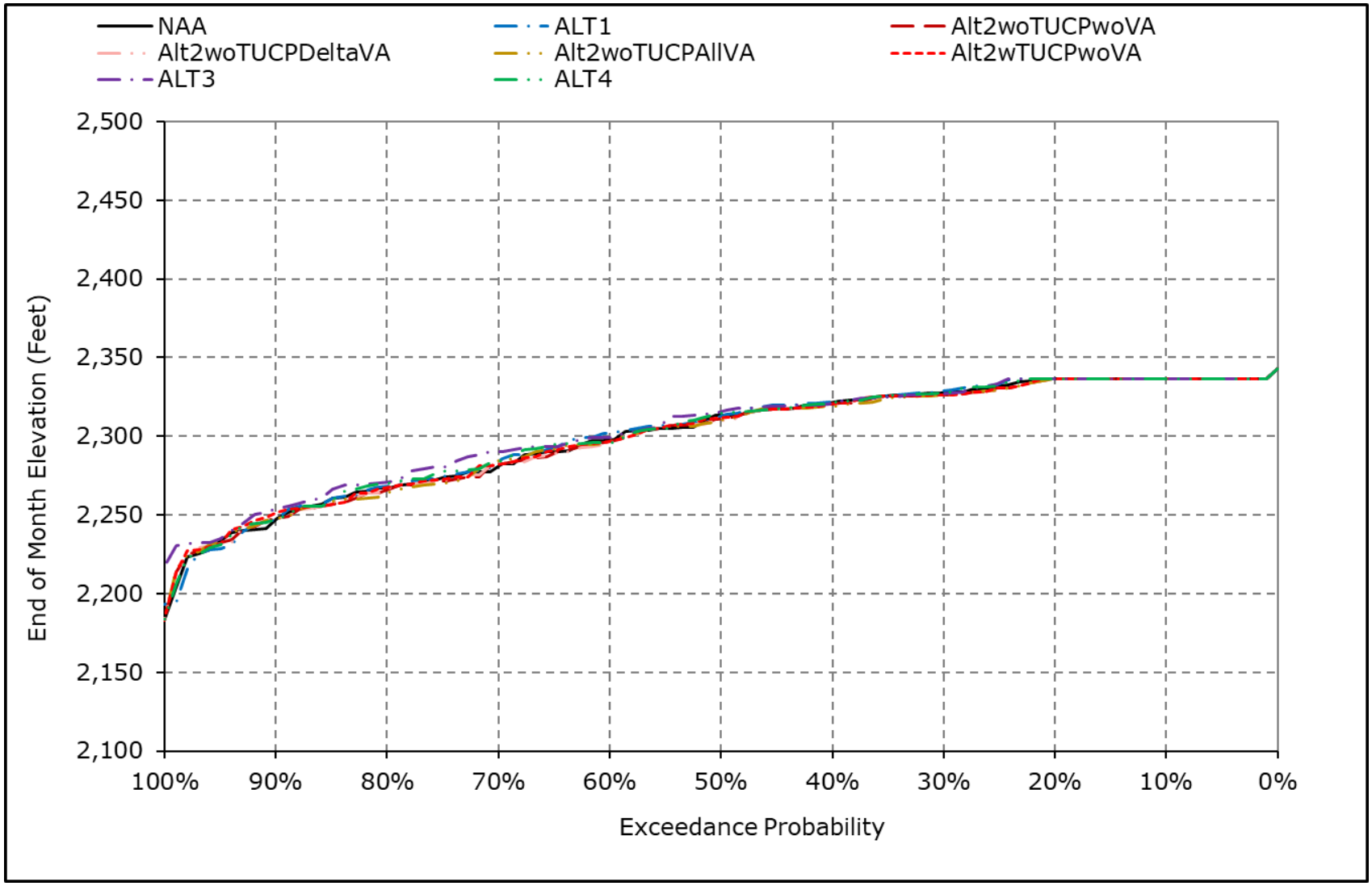
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-2. Trinity Lake Elevation, November



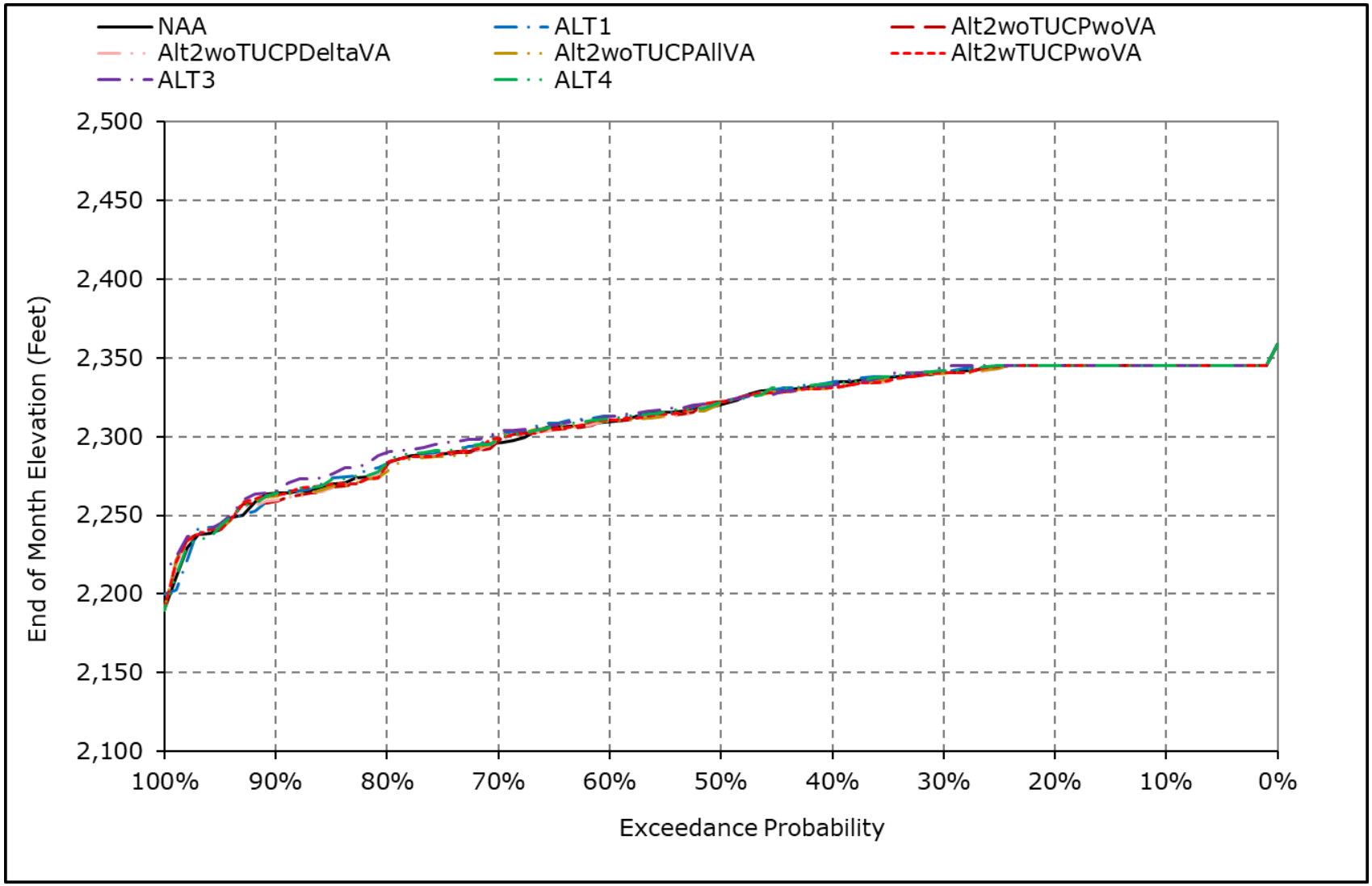
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-3. Trinity Lake Elevation, December



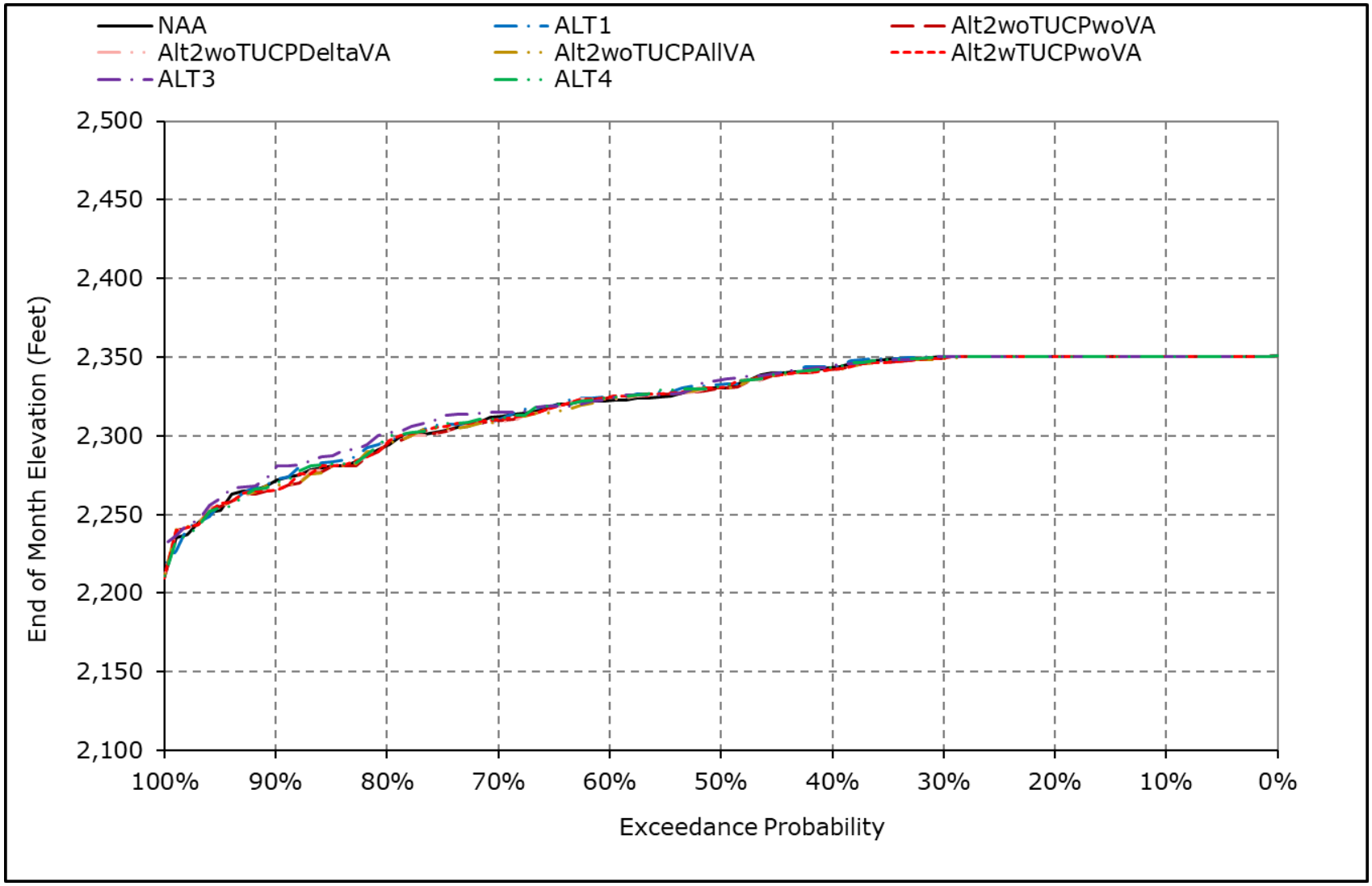
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-4. Trinity Lake Elevation, January



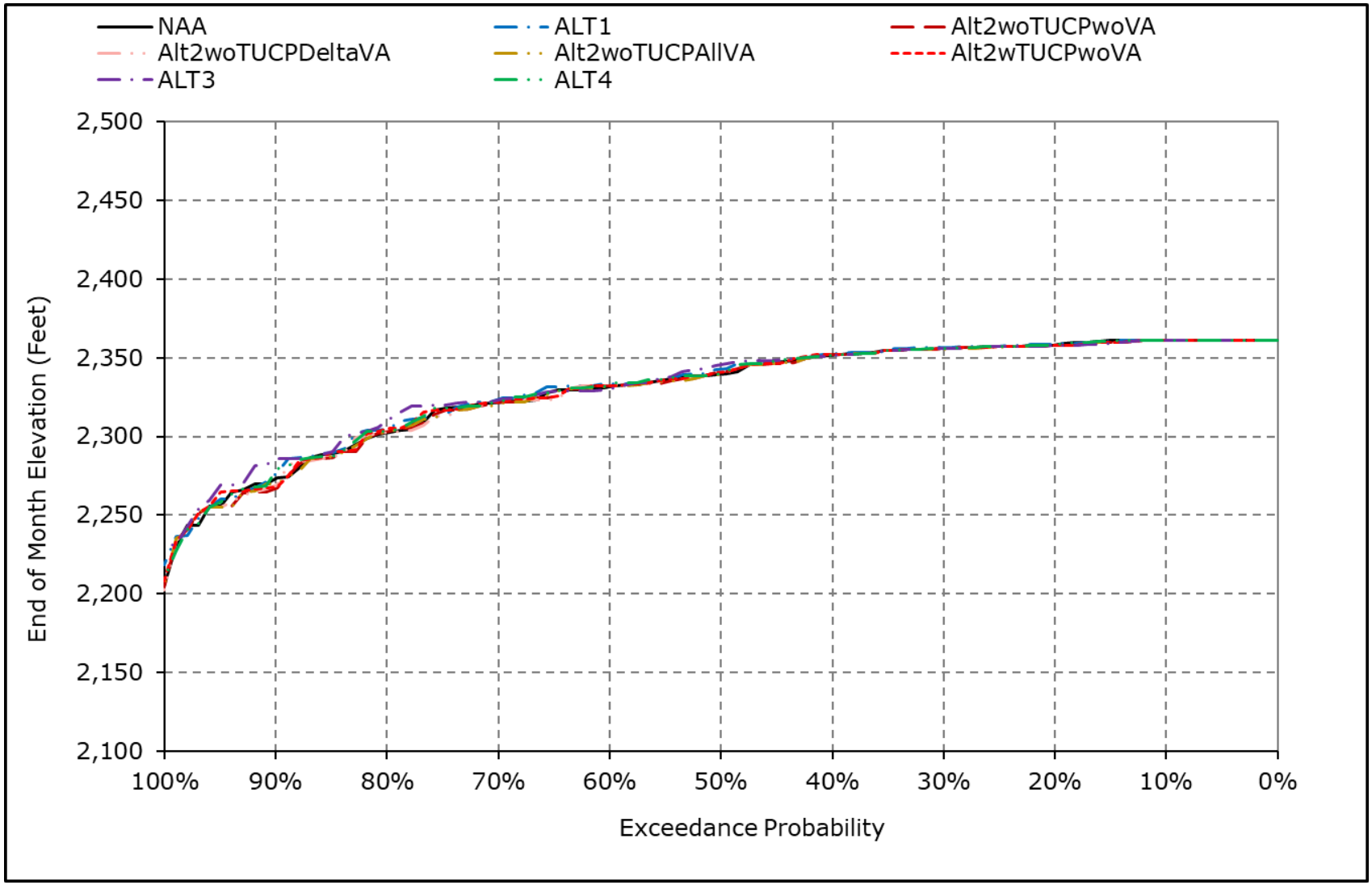
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-5. Trinity Lake Elevation, February



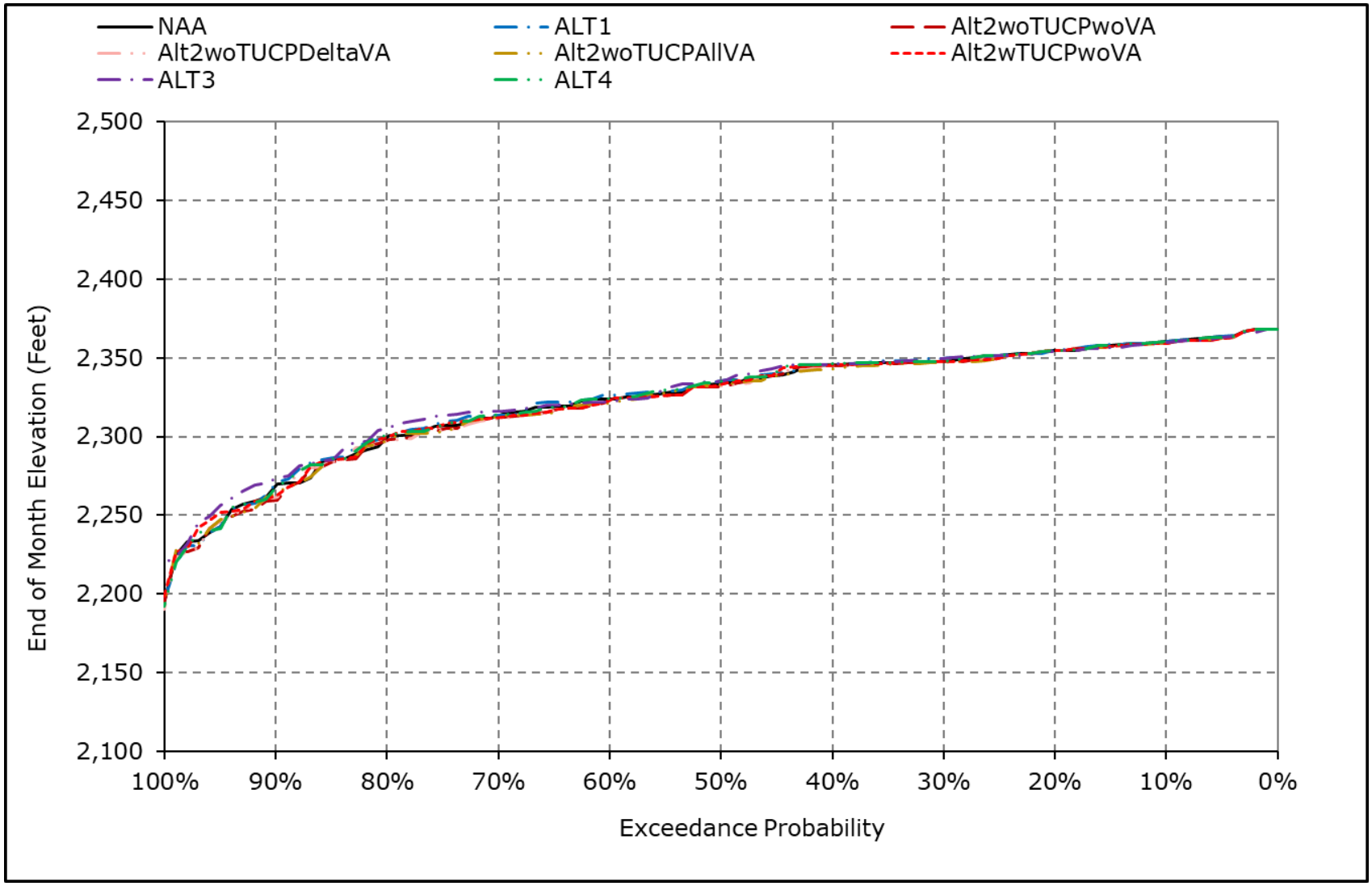
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-6. Trinity Lake Elevation, March



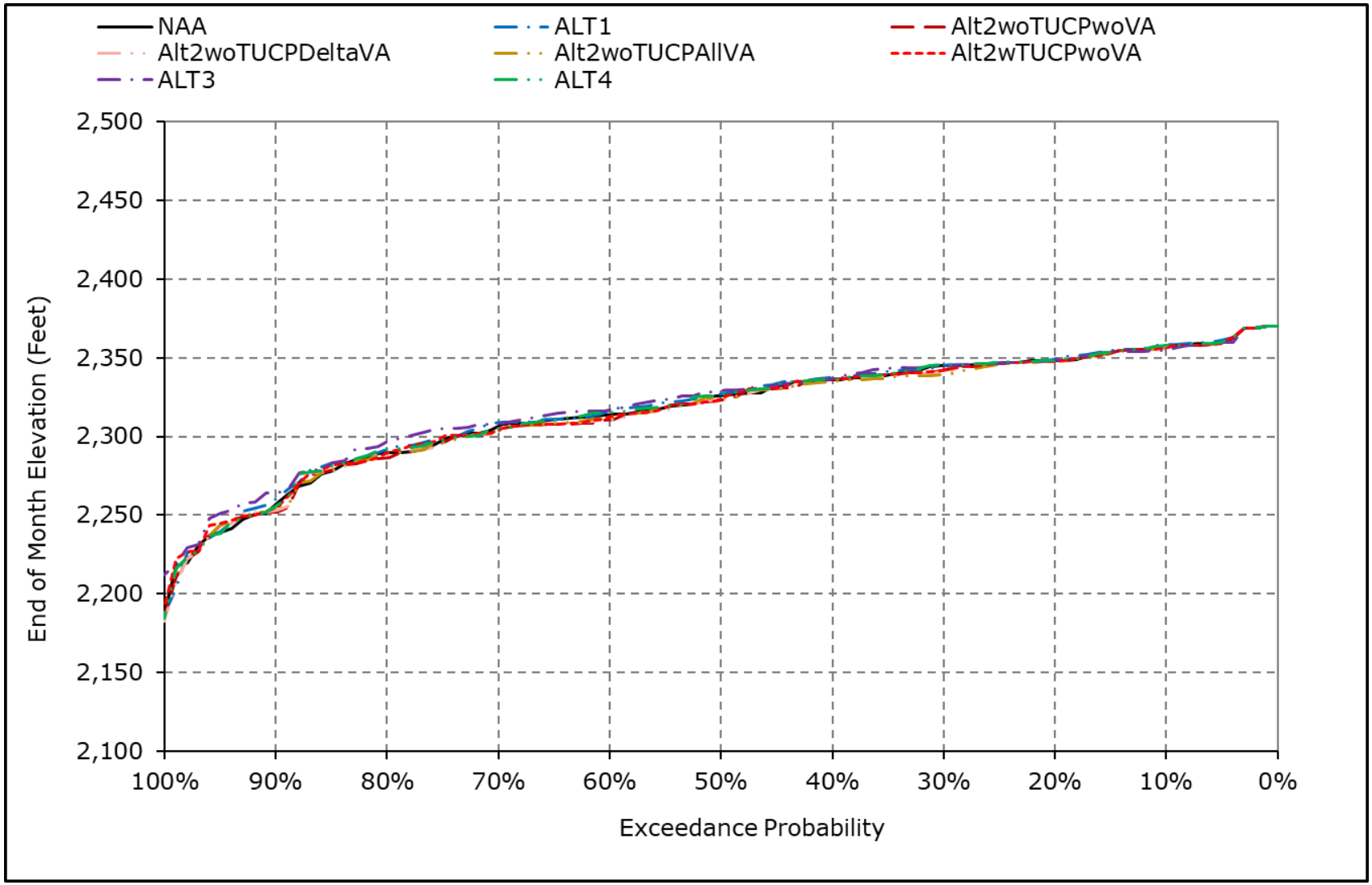
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-7. Trinity Lake Elevation, April



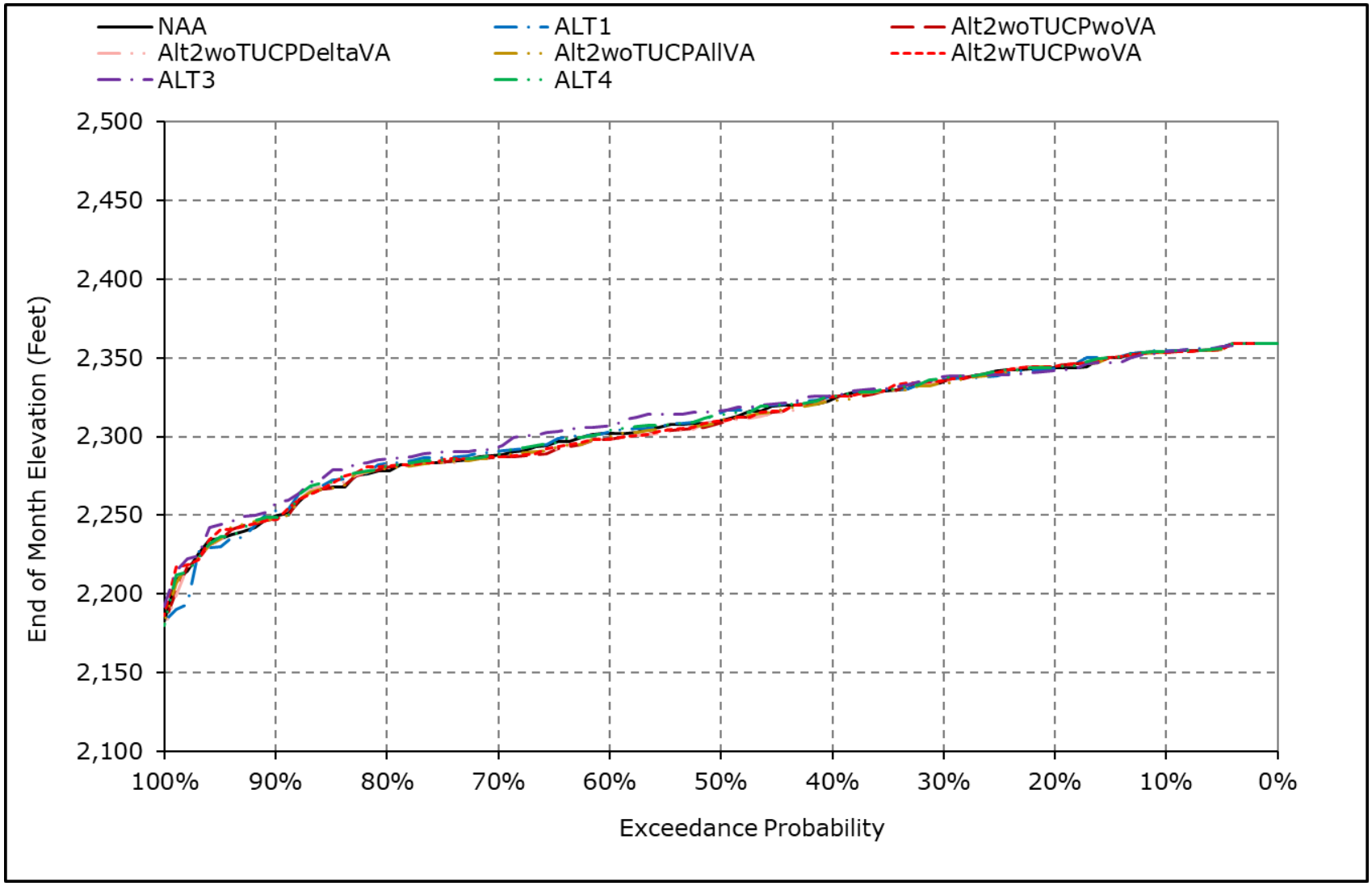
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-8. Trinity Lake Elevation, May



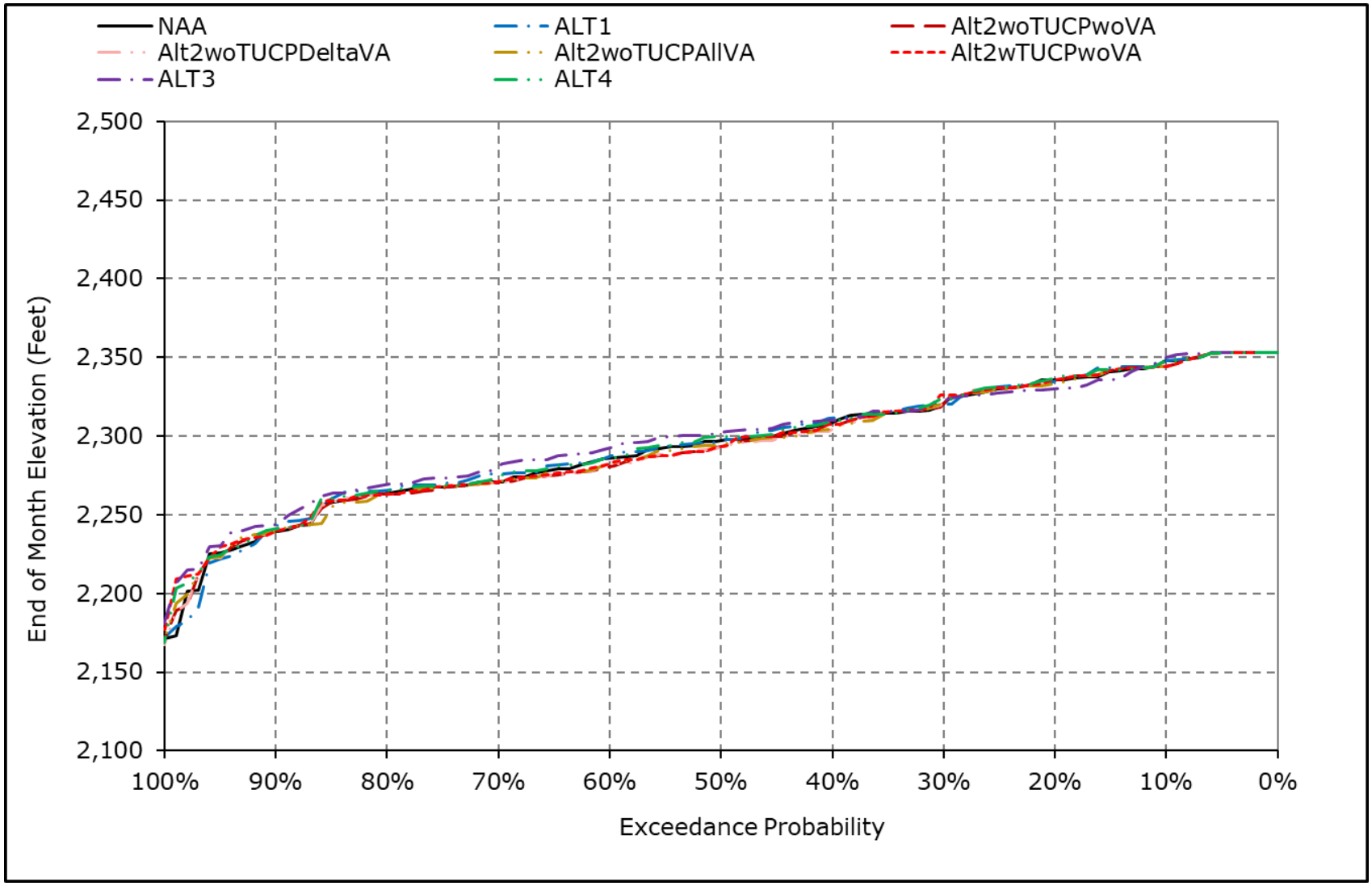
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-9. Trinity Lake Elevation, June



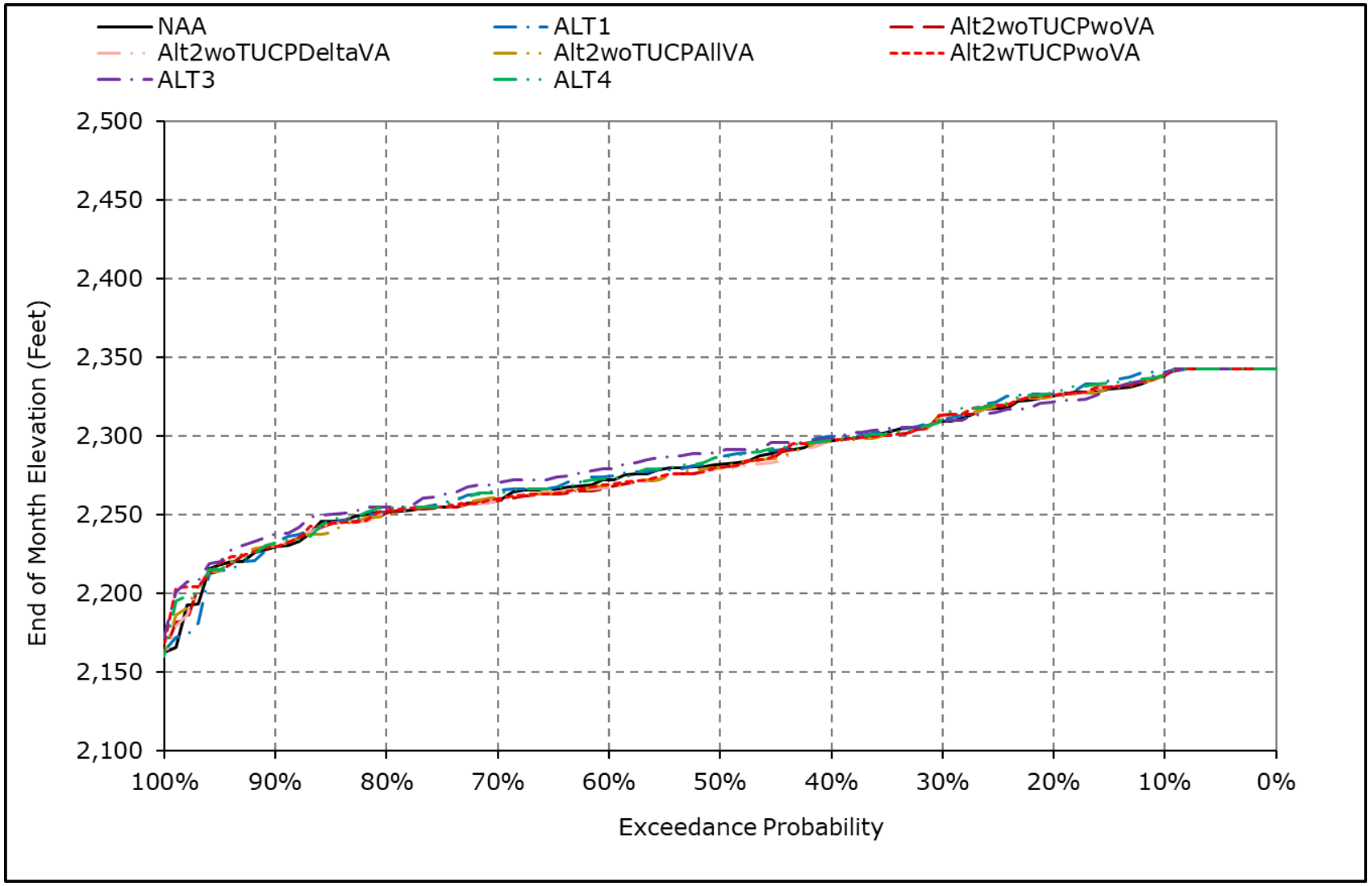
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-10. Trinity Lake Elevation, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-11. Trinity Lake Elevation, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-2-12. Trinity Lake Elevation, September

Table F.2.1-3-1a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-1b. Shasta Lake Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,349	3,658	3,897	4,258	4,552	4,552	4,471	4,009	3,680	3,400
20% Exceedance	3,242	3,252	3,319	3,551	3,806	4,156	4,440	4,552	4,358	3,819	3,562	3,400
30% Exceedance	3,208	3,191	3,300	3,492	3,700	4,061	4,382	4,497	4,114	3,591	3,339	3,269
40% Exceedance	3,001	3,111	3,268	3,432	3,606	3,974	4,270	4,289	3,823	3,261	3,000	2,891
50% Exceedance	2,728	2,839	3,194	3,355	3,474	3,822	4,174	4,126	3,630	3,090	2,845	2,773
60% Exceedance	2,556	2,606	3,020	3,252	3,349	3,719	4,100	3,930	3,483	2,947	2,659	2,571
70% Exceedance	2,437	2,495	2,618	3,109	3,252	3,603	3,916	3,783	3,387	2,827	2,503	2,452
80% Exceedance	2,280	2,206	2,437	2,695	3,103	3,418	3,599	3,497	3,176	2,647	2,352	2,299
90% Exceedance	1,531	1,410	1,443	2,051	2,290	2,794	2,902	2,623	2,295	1,906	1,653	1,488
Full Simulation Period Average[a]	2,584	2,607	2,795	3,081	3,312	3,667	3,938	3,885	3,556	3,036	2,754	2,630
Wet Water Years (28%)	3,126	3,152	3,248	3,446	3,539	3,842	4,327	4,466	4,252	3,743	3,447	3,249
Above Normal Water Years (14%)	2,930	2,938	3,153	3,353	3,587	4,015	4,431	4,383	3,995	3,372	3,097	2,987
Below Normal Water Years (18%)	2,571	2,614	2,866	3,137	3,435	3,872	4,122	3,958	3,563	3,028	2,734	2,636
Dry Water Years (24%)	2,579	2,626	2,827	3,045	3,423	3,842	3,957	3,836	3,463	2,959	2,670	2,575
Critical Water Years (16%)	1,253	1,222	1,457	2,194	2,372	2,561	2,589	2,425	2,086	1,631	1,392	1,312

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-1c. Shasta Lake Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	10	22	36	42	48	0	-13	21	-8	0
20% Exceedance	-8	0	8	1	2	23	28	0	-13	42	49	30
30% Exceedance	66	56	8	-1	45	-11	37	31	-45	20	70	160
40% Exceedance	121	190	17	74	39	39	-16	31	-65	-24	45	-2
50% Exceedance	9	211	113	91	32	8	1	2	-61	-37	4	74
60% Exceedance	96	68	184	60	45	72	-4	-26	-69	-26	26	49
70% Exceedance	112	165	44	91	0	83	40	79	63	-8	33	136
80% Exceedance	220	102	165	87	69	30	52	125	114	134	132	159
90% Exceedance	92	91	-71	142	43	141	124	75	14	-35	13	18
Full Simulation Period Average[a]	61	79	59	52	42	39	31	23	-13	7	40	58
Wet Water Years (28%)	54	73	57	9	3	4	18	0	-37	-6	26	58
Above Normal Water Years (14%)	169	232	147	28	13	23	42	20	-60	-8	68	151
Below Normal Water Years (18%)	-2	6	15	30	2	-9	-18	-11	-71	-33	33	-5
Dry Water Years (24%)	67	72	57	110	102	99	79	85	74	79	70	71
Critical Water Years (16%)	33	35	28	83	91	79	24	13	6	-24	1	24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-2a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-2b. Shasta Lake Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,338	3,636	3,863	4,221	4,515	4,552	4,477	4,002	3,676	3,400
20% Exceedance	3,250	3,252	3,311	3,544	3,795	4,133	4,422	4,552	4,367	3,795	3,517	3,400
30% Exceedance	3,093	3,106	3,295	3,500	3,662	4,066	4,352	4,466	4,150	3,598	3,272	3,146
40% Exceedance	2,922	2,871	3,249	3,366	3,548	3,936	4,284	4,289	3,969	3,344	3,072	2,949
50% Exceedance	2,748	2,709	3,080	3,274	3,444	3,811	4,169	4,170	3,692	3,200	2,890	2,774
60% Exceedance	2,553	2,624	2,859	3,190	3,285	3,690	4,078	3,959	3,565	3,053	2,723	2,609
70% Exceedance	2,439	2,397	2,614	2,959	3,252	3,541	3,906	3,725	3,403	2,883	2,539	2,385
80% Exceedance	2,153	2,131	2,347	2,712	3,038	3,386	3,485	3,392	3,106	2,644	2,299	2,231
90% Exceedance	1,563	1,605	1,629	1,996	2,421	2,746	2,842	2,632	2,392	2,037	1,755	1,650
Full Simulation Period Average[a]	2,575	2,569	2,768	3,047	3,284	3,641	3,912	3,884	3,599	3,079	2,781	2,633
Wet Water Years (28%)	3,081	3,088	3,189	3,447	3,536	3,838	4,306	4,463	4,286	3,761	3,440	3,203
Above Normal Water Years (14%)	2,755	2,694	2,992	3,298	3,552	3,990	4,386	4,363	4,052	3,397	3,068	2,855
Below Normal Water Years (18%)	2,641	2,655	2,894	3,111	3,431	3,874	4,142	3,997	3,656	3,117	2,793	2,710
Dry Water Years (24%)	2,588	2,627	2,817	2,974	3,347	3,766	3,904	3,801	3,458	2,969	2,679	2,586
Critical Water Years (16%)	1,347	1,281	1,525	2,167	2,347	2,539	2,559	2,449	2,147	1,729	1,514	1,427

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-2c. Shasta Lake Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1	0	1	6	11	0	-7	15	-13	0
20% Exceedance	0	0	0	-5	-9	0	10	0	-4	19	3	30
30% Exceedance	-49	-30	3	7	7	-6	6	0	-9	27	2	36
40% Exceedance	42	-50	-1	8	-18	0	-2	31	81	59	118	57
50% Exceedance	29	81	-1	9	1	-2	-5	47	1	73	49	75
60% Exceedance	94	86	22	-2	-19	43	-25	3	13	79	90	87
70% Exceedance	115	67	40	-58	0	21	31	21	79	48	69	69
80% Exceedance	93	27	75	104	4	-2	-62	20	45	130	79	90
90% Exceedance	124	286	115	87	174	93	64	83	111	96	115	180
Full Simulation Period Average[a]	51	41	31	18	14	13	5	22	30	49	66	60
Wet Water Years (28%)	9	9	-2	10	0	-1	-2	-2	-3	12	18	12
Above Normal Water Years (14%)	-6	-11	-15	-27	-21	-2	-2	0	-3	17	39	20
Below Normal Water Years (18%)	68	47	43	5	-2	-7	2	29	22	56	92	68
Dry Water Years (24%)	75	74	47	38	26	24	26	51	69	90	80	82
Critical Water Years (16%)	127	94	96	57	66	56	-5	36	67	74	123	140

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-3a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-3b. Shasta Lake Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,863	4,195	4,506	4,552	4,472	4,005	3,670	3,400
20% Exceedance	3,250	3,252	3,309	3,542	3,798	4,133	4,422	4,552	4,367	3,789	3,523	3,400
30% Exceedance	3,077	3,090	3,292	3,500	3,651	4,066	4,348	4,462	4,157	3,594	3,274	3,155
40% Exceedance	2,911	2,860	3,201	3,365	3,552	3,954	4,282	4,260	3,968	3,348	3,064	2,942
50% Exceedance	2,722	2,686	3,081	3,270	3,449	3,814	4,164	4,154	3,730	3,198	2,881	2,759
60% Exceedance	2,551	2,606	2,834	3,174	3,307	3,695	4,102	3,984	3,556	3,039	2,690	2,618
70% Exceedance	2,424	2,398	2,626	2,950	3,252	3,516	3,944	3,771	3,452	2,886	2,552	2,412
80% Exceedance	2,133	2,123	2,369	2,685	3,037	3,403	3,523	3,354	3,104	2,620	2,298	2,192
90% Exceedance	1,602	1,677	1,775	2,092	2,515	2,762	2,891	2,714	2,441	2,048	1,770	1,669
Full Simulation Period Average[a]	2,573	2,567	2,766	3,055	3,294	3,649	3,920	3,892	3,606	3,082	2,780	2,634
Wet Water Years (28%)	3,077	3,080	3,188	3,447	3,536	3,838	4,307	4,465	4,287	3,759	3,437	3,199
Above Normal Water Years (14%)	2,751	2,681	2,980	3,308	3,559	3,990	4,387	4,362	4,059	3,394	3,067	2,853
Below Normal Water Years (18%)	2,641	2,659	2,892	3,118	3,431	3,874	4,141	4,002	3,662	3,123	2,792	2,715
Dry Water Years (24%)	2,578	2,619	2,810	2,976	3,351	3,773	3,919	3,811	3,462	2,964	2,669	2,574
Critical Water Years (16%)	1,368	1,303	1,545	2,197	2,401	2,578	2,588	2,477	2,175	1,754	1,534	1,452

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-3c. Shasta Lake Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	1	-21	2	0	-12	17	-19	0
20% Exceedance	0	0	-2	-7	-7	0	10	0	-4	12	9	30
30% Exceedance	-65	-46	0	7	-4	-6	2	-4	-3	23	4	46
40% Exceedance	30	-61	-50	7	-14	19	-4	3	80	63	109	49
50% Exceedance	3	58	0	5	7	0	-10	30	39	70	40	59
60% Exceedance	92	69	-3	-18	3	48	-1	28	5	65	57	96
70% Exceedance	100	68	52	-68	0	-4	68	67	128	51	83	96
80% Exceedance	73	19	96	77	3	14	-24	-19	43	107	78	52
90% Exceedance	163	358	261	183	269	109	113	166	160	107	130	198
Full Simulation Period Average[a]	50	39	30	26	24	21	13	30	38	52	66	61
Wet Water Years (28%)	5	1	-4	10	0	-1	-2	-1	-2	10	15	8
Above Normal Water Years (14%)	-10	-25	-26	-17	-14	-2	-1	-2	4	14	38	18
Below Normal Water Years (18%)	68	51	41	11	-2	-7	1	33	28	62	91	74
Dry Water Years (24%)	65	66	41	41	30	30	41	60	73	84	69	70
Critical Water Years (16%)	148	115	117	86	120	96	24	64	95	99	143	164

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-4a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-4b. Shasta Lake Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,634	3,866	4,216	4,475	4,552	4,471	4,005	3,678	3,400
20% Exceedance	3,250	3,252	3,311	3,542	3,797	4,135	4,381	4,522	4,364	3,809	3,522	3,400
30% Exceedance	3,110	3,095	3,293	3,500	3,651	4,067	4,317	4,456	4,180	3,591	3,290	3,172
40% Exceedance	2,929	2,892	3,252	3,395	3,561	3,936	4,260	4,260	3,949	3,369	3,105	3,011
50% Exceedance	2,763	2,755	3,111	3,286	3,433	3,814	4,181	4,148	3,760	3,219	2,905	2,785
60% Exceedance	2,606	2,648	2,880	3,210	3,284	3,684	4,078	3,963	3,614	3,084	2,755	2,704
70% Exceedance	2,447	2,426	2,674	3,036	3,252	3,540	3,918	3,788	3,418	2,928	2,600	2,390
80% Exceedance	2,226	2,145	2,348	2,751	3,044	3,418	3,484	3,361	3,112	2,668	2,358	2,279
90% Exceedance	1,531	1,506	1,568	1,968	2,324	2,581	2,841	2,636	2,401	2,023	1,721	1,661
Full Simulation Period Average[a]	2,587	2,578	2,774	3,054	3,285	3,645	3,901	3,872	3,609	3,091	2,794	2,645
Wet Water Years (28%)	3,078	3,081	3,188	3,449	3,536	3,838	4,301	4,459	4,287	3,760	3,439	3,200
Above Normal Water Years (14%)	2,768	2,694	2,991	3,292	3,539	3,990	4,346	4,313	4,056	3,400	3,085	2,865
Below Normal Water Years (18%)	2,663	2,679	2,911	3,118	3,429	3,873	4,098	3,958	3,660	3,132	2,816	2,730
Dry Water Years (24%)	2,646	2,678	2,856	2,996	3,361	3,781	3,920	3,829	3,508	3,022	2,733	2,638
Critical Water Years (16%)	1,302	1,245	1,489	2,171	2,349	2,541	2,558	2,429	2,128	1,705	1,479	1,395

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-4c. Shasta Lake Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-2	4	1	-29	0	-13	18	-11	0
20% Exceedance	0	0	0	-7	-8	3	-31	-30	-7	32	9	30
30% Exceedance	-32	-41	1	7	-4	-5	-28	-9	21	20	21	62
40% Exceedance	48	-29	1	37	-6	0	-26	3	61	83	151	118
50% Exceedance	44	127	30	21	-10	0	8	25	69	92	64	86
60% Exceedance	147	110	43	18	-21	36	-26	7	63	110	122	182
70% Exceedance	123	97	100	18	0	21	43	84	95	93	130	74
80% Exceedance	166	42	75	144	10	30	-63	-11	50	154	137	139
90% Exceedance	92	187	54	59	77	-71	63	87	120	83	81	191
Full Simulation Period Average[a]	63	50	37	25	15	17	-6	11	40	61	80	72
Wet Water Years (28%)	6	2	-4	11	0	-1	-7	-6	-2	11	17	9
Above Normal Water Years (14%)	7	-12	-15	-33	-35	-2	-43	-51	0	20	56	30
Below Normal Water Years (18%)	90	71	59	11	-4	-8	-41	-11	26	71	115	89
Dry Water Years (24%)	133	125	87	60	41	39	42	78	119	142	134	134
Critical Water Years (16%)	82	58	61	61	69	59	-6	16	48	50	88	107

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-5a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-5b. Shasta Lake Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,338	3,636	3,863	4,221	4,515	4,552	4,477	4,004	3,675	3,400
20% Exceedance	3,250	3,252	3,311	3,544	3,795	4,133	4,422	4,552	4,367	3,795	3,519	3,400
30% Exceedance	3,090	3,106	3,295	3,500	3,671	4,066	4,353	4,466	4,151	3,599	3,282	3,163
40% Exceedance	2,922	2,871	3,249	3,366	3,562	3,969	4,284	4,289	3,982	3,361	3,103	2,950
50% Exceedance	2,748	2,709	3,080	3,274	3,468	3,823	4,194	4,172	3,732	3,200	2,900	2,787
60% Exceedance	2,580	2,622	2,853	3,191	3,324	3,722	4,101	3,980	3,585	3,054	2,724	2,628
70% Exceedance	2,441	2,439	2,614	2,973	3,252	3,554	3,918	3,770	3,403	2,882	2,546	2,419
80% Exceedance	2,162	2,177	2,396	2,713	3,038	3,400	3,572	3,393	3,132	2,644	2,299	2,231
90% Exceedance	1,750	1,817	1,873	2,149	2,463	2,892	2,881	2,786	2,562	2,151	1,914	1,743
Full Simulation Period Average[a]	2,620	2,615	2,812	3,091	3,326	3,683	3,960	3,933	3,649	3,137	2,835	2,684
Wet Water Years (28%)	3,082	3,089	3,190	3,447	3,536	3,838	4,307	4,464	4,286	3,761	3,440	3,203
Above Normal Water Years (14%)	2,755	2,695	2,992	3,335	3,586	3,990	4,386	4,363	4,053	3,398	3,069	2,856
Below Normal Water Years (18%)	2,677	2,690	2,929	3,184	3,502	3,944	4,212	4,062	3,718	3,166	2,832	2,746
Dry Water Years (24%)	2,596	2,635	2,825	2,989	3,356	3,775	3,912	3,808	3,465	2,978	2,688	2,594
Critical Water Years (16%)	1,593	1,525	1,767	2,302	2,486	2,713	2,770	2,669	2,376	2,025	1,798	1,690

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-5c. Shasta Lake Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1	0	1	6	11	0	-7	16	-13	0
20% Exceedance	0	0	0	-5	-9	0	10	0	-4	19	5	30
30% Exceedance	-52	-30	3	7	16	-6	7	0	-9	28	12	54
40% Exceedance	42	-49	-1	9	-4	34	-2	32	94	75	148	57
50% Exceedance	29	81	-1	9	25	9	20	48	41	73	59	88
60% Exceedance	121	85	17	-1	20	75	-3	24	33	80	91	106
70% Exceedance	117	109	40	-44	0	34	43	66	80	47	77	102
80% Exceedance	101	74	123	105	4	11	24	20	70	130	79	91
90% Exceedance	311	498	359	240	216	240	103	237	280	211	274	273
Full Simulation Period Average[a]	96	86	76	62	55	56	53	71	80	107	121	111
Wet Water Years (28%)	10	10	-2	10	0	-1	-2	-2	-3	12	19	13
Above Normal Water Years (14%)	-6	-10	-14	10	13	-2	-2	0	-3	18	40	20
Below Normal Water Years (18%)	104	82	78	77	69	63	73	94	84	105	131	105
Dry Water Years (24%)	83	81	56	54	35	32	34	58	76	99	88	90
Critical Water Years (16%)	373	338	339	191	206	231	206	257	296	370	407	402

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-6a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-6b. Shasta Lake Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,347	3,659	3,867	4,219	4,514	4,546	4,500	3,989	3,700	3,400
20% Exceedance	3,250	3,252	3,318	3,558	3,820	4,158	4,426	4,488	4,362	3,781	3,535	3,400
30% Exceedance	3,204	3,200	3,294	3,509	3,716	4,086	4,373	4,350	4,094	3,616	3,307	3,244
40% Exceedance	3,104	3,083	3,270	3,430	3,635	4,009	4,311	4,237	3,945	3,433	3,110	3,081
50% Exceedance	2,855	2,895	3,167	3,336	3,540	3,889	4,278	4,156	3,834	3,274	2,957	2,904
60% Exceedance	2,699	2,772	3,039	3,252	3,386	3,813	4,208	4,038	3,729	3,194	2,795	2,715
70% Exceedance	2,560	2,601	2,800	3,154	3,252	3,676	4,042	3,833	3,569	3,055	2,635	2,598
80% Exceedance	2,288	2,379	2,538	2,852	3,180	3,418	3,839	3,716	3,318	2,805	2,426	2,334
90% Exceedance	1,893	1,763	1,834	2,232	2,712	2,964	3,194	2,960	2,644	2,348	2,033	1,953
Full Simulation Period Average[a]	2,719	2,726	2,902	3,168	3,401	3,753	4,052	3,973	3,736	3,240	2,896	2,773
Wet Water Years (28%)	3,114	3,140	3,241	3,460	3,535	3,834	4,301	4,310	4,216	3,720	3,422	3,231
Above Normal Water Years (14%)	2,898	2,888	3,111	3,343	3,593	3,992	4,374	4,225	4,025	3,488	3,150	2,991
Below Normal Water Years (18%)	2,859	2,875	3,073	3,316	3,607	4,044	4,349	4,198	3,901	3,376	2,979	2,905
Dry Water Years (24%)	2,658	2,697	2,884	3,106	3,484	3,902	4,104	4,008	3,663	3,132	2,735	2,659
Critical Water Years (16%)	1,735	1,656	1,883	2,428	2,640	2,849	2,921	2,857	2,565	2,189	1,898	1,802

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-6c. Shasta Lake Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	8	23	5	4	10	-7	16	2	11	0
20% Exceedance	0	0	7	8	15	25	14	-64	-9	5	21	30
30% Exceedance	62	64	2	16	61	14	27	-116	-66	45	37	134
40% Exceedance	223	163	19	73	69	74	25	-20	57	148	155	189
50% Exceedance	136	267	86	72	97	76	105	32	143	146	117	204
60% Exceedance	240	235	202	60	82	166	104	82	178	220	162	193
70% Exceedance	236	271	227	136	0	156	166	128	245	220	166	282
80% Exceedance	228	276	266	244	146	30	292	343	257	292	205	194
90% Exceedance	454	444	321	323	465	311	415	412	363	407	393	482
Full Simulation Period Average[a]	196	197	165	139	130	125	145	111	167	210	181	200
Wet Water Years (28%)	42	61	50	23	-1	-5	-8	-155	-73	-29	1	40
Above Normal Water Years (14%)	137	183	105	18	20	-1	-14	-138	-30	108	121	155
Below Normal Water Years (18%)	286	267	222	209	174	164	210	229	267	315	278	263
Dry Water Years (24%)	145	143	115	171	163	159	226	257	274	253	136	155
Critical Water Years (16%)	515	469	455	318	360	367	357	444	485	534	507	515

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-7a. Shasta Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,339	3,636	3,862	4,215	4,504	4,552	4,484	3,987	3,689	3,400
20% Exceedance	3,250	3,252	3,311	3,550	3,805	4,132	4,412	4,552	4,371	3,777	3,514	3,370
30% Exceedance	3,142	3,136	3,292	3,493	3,655	4,072	4,346	4,466	4,160	3,571	3,269	3,110
40% Exceedance	2,880	2,920	3,251	3,358	3,566	3,935	4,286	4,257	3,888	3,285	2,955	2,892
50% Exceedance	2,719	2,628	3,081	3,265	3,443	3,814	4,174	4,124	3,691	3,127	2,841	2,699
60% Exceedance	2,459	2,537	2,836	3,192	3,304	3,647	4,104	3,956	3,551	2,974	2,633	2,522
70% Exceedance	2,324	2,330	2,574	3,018	3,252	3,520	3,876	3,704	3,323	2,835	2,469	2,316
80% Exceedance	2,060	2,103	2,273	2,608	3,034	3,389	3,547	3,373	3,061	2,514	2,220	2,140
90% Exceedance	1,439	1,319	1,514	1,909	2,247	2,653	2,778	2,548	2,281	1,940	1,640	1,471
Full Simulation Period Average[a]	2,524	2,528	2,737	3,029	3,270	3,628	3,907	3,862	3,569	3,030	2,715	2,573
Wet Water Years (28%)	3,072	3,079	3,191	3,437	3,537	3,839	4,309	4,466	4,289	3,749	3,422	3,191
Above Normal Water Years (14%)	2,761	2,706	3,006	3,325	3,573	3,992	4,388	4,364	4,056	3,380	3,029	2,835
Below Normal Water Years (18%)	2,573	2,608	2,851	3,107	3,433	3,880	4,139	3,969	3,634	3,061	2,701	2,641
Dry Water Years (24%)	2,513	2,553	2,769	2,936	3,321	3,743	3,878	3,751	3,389	2,879	2,599	2,504
Critical Water Years (16%)	1,220	1,187	1,429	2,110	2,280	2,482	2,564	2,413	2,080	1,655	1,391	1,288

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-7b. Shasta Lake Storage, Alternative 4, End-of-Month Storage (TAF)

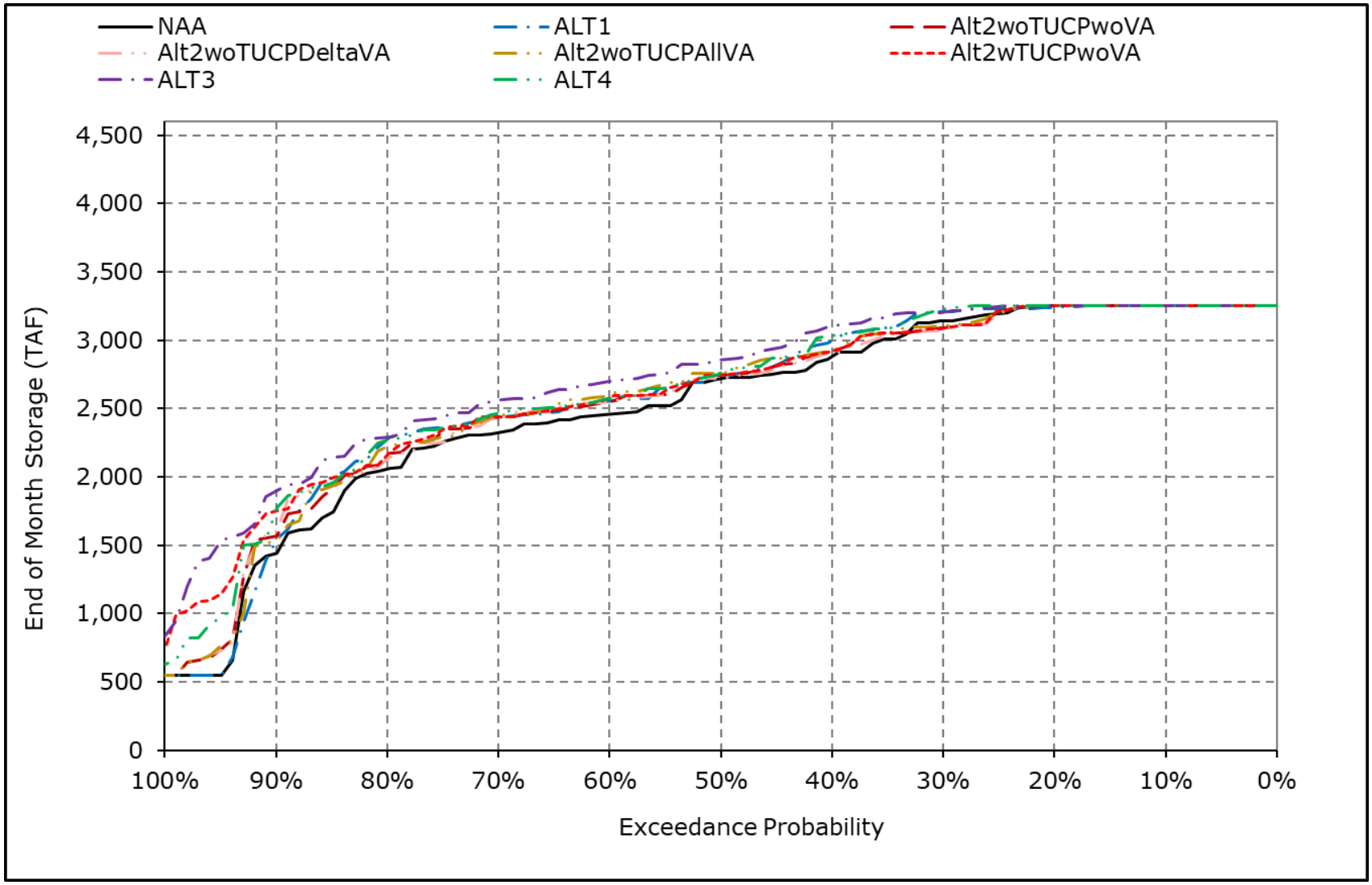
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,347	3,636	3,878	4,222	4,515	4,552	4,478	3,976	3,676	3,400
20% Exceedance	3,250	3,252	3,321	3,542	3,809	4,140	4,410	4,552	4,369	3,796	3,529	3,389
30% Exceedance	3,226	3,178	3,303	3,518	3,684	4,077	4,348	4,480	4,142	3,580	3,301	3,242
40% Exceedance	3,035	3,013	3,270	3,455	3,595	3,970	4,284	4,254	3,930	3,305	3,033	2,933
50% Exceedance	2,765	2,785	3,118	3,305	3,465	3,852	4,187	4,151	3,740	3,159	2,833	2,772
60% Exceedance	2,575	2,617	2,888	3,226	3,349	3,725	4,100	3,944	3,557	3,009	2,726	2,655
70% Exceedance	2,465	2,417	2,591	2,987	3,252	3,571	3,980	3,804	3,433	2,873	2,511	2,440
80% Exceedance	2,272	2,223	2,408	2,656	3,067	3,418	3,577	3,438	3,124	2,624	2,315	2,236
90% Exceedance	1,751	1,655	1,793	1,985	2,440	2,863	2,983	2,793	2,494	2,057	1,811	1,693
Full Simulation Period Average[a]	2,629	2,622	2,807	3,095	3,332	3,686	3,959	3,919	3,630	3,100	2,801	2,677
Wet Water Years (28%)	3,131	3,131	3,212	3,434	3,537	3,838	4,306	4,461	4,280	3,749	3,443	3,243
Above Normal Water Years (14%)	2,922	2,863	3,104	3,347	3,598	3,997	4,389	4,363	4,047	3,371	3,063	2,958
Below Normal Water Years (18%)	2,612	2,631	2,875	3,186	3,503	3,942	4,192	4,020	3,677	3,093	2,743	2,681
Dry Water Years (24%)	2,601	2,641	2,829	3,054	3,424	3,837	3,970	3,845	3,492	2,982	2,696	2,595
Critical Water Years (16%)	1,463	1,394	1,635	2,239	2,410	2,634	2,694	2,578	2,281	1,915	1,668	1,560

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-3-7c. Shasta Lake Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

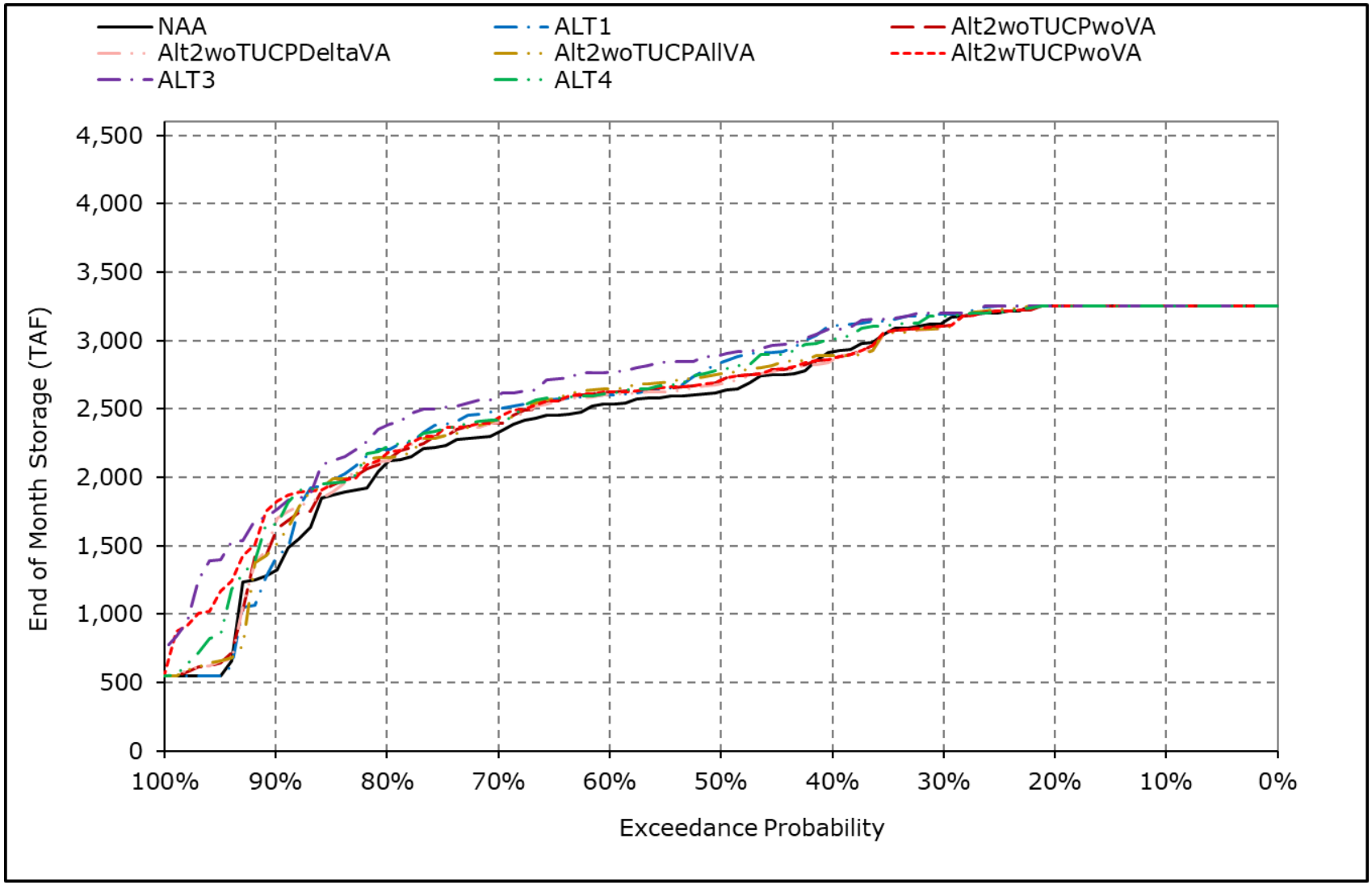
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	8	0	16	7	11	0	-6	-11	-12	0
20% Exceedance	0	0	9	-7	5	8	-2	0	-2	20	16	20
30% Exceedance	84	42	11	24	29	5	3	15	-18	9	32	133
40% Exceedance	155	93	19	98	28	35	-2	-3	42	20	78	40
50% Exceedance	46	157	37	41	22	38	13	27	49	32	-8	72
60% Exceedance	115	79	51	34	44	78	-4	-13	6	35	93	133
70% Exceedance	141	87	18	-30	0	52	105	100	110	38	41	124
80% Exceedance	211	119	135	48	33	30	29	65	62	110	95	96
90% Exceedance	312	336	280	76	193	210	205	244	213	117	171	222
Full Simulation Period Average[a]	105	94	70	66	62	58	52	57	61	71	86	104
Wet Water Years (28%)	59	51	20	-3	0	-1	-3	-5	-9	-1	22	52
Above Normal Water Years (14%)	161	157	98	22	25	4	1	-1	-9	-9	34	123
Below Normal Water Years (18%)	39	23	23	79	70	62	53	51	43	32	42	39
Dry Water Years (24%)	88	87	60	119	103	95	92	94	103	103	97	91
Critical Water Years (16%)	243	206	207	129	130	151	130	165	201	260	277	272

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



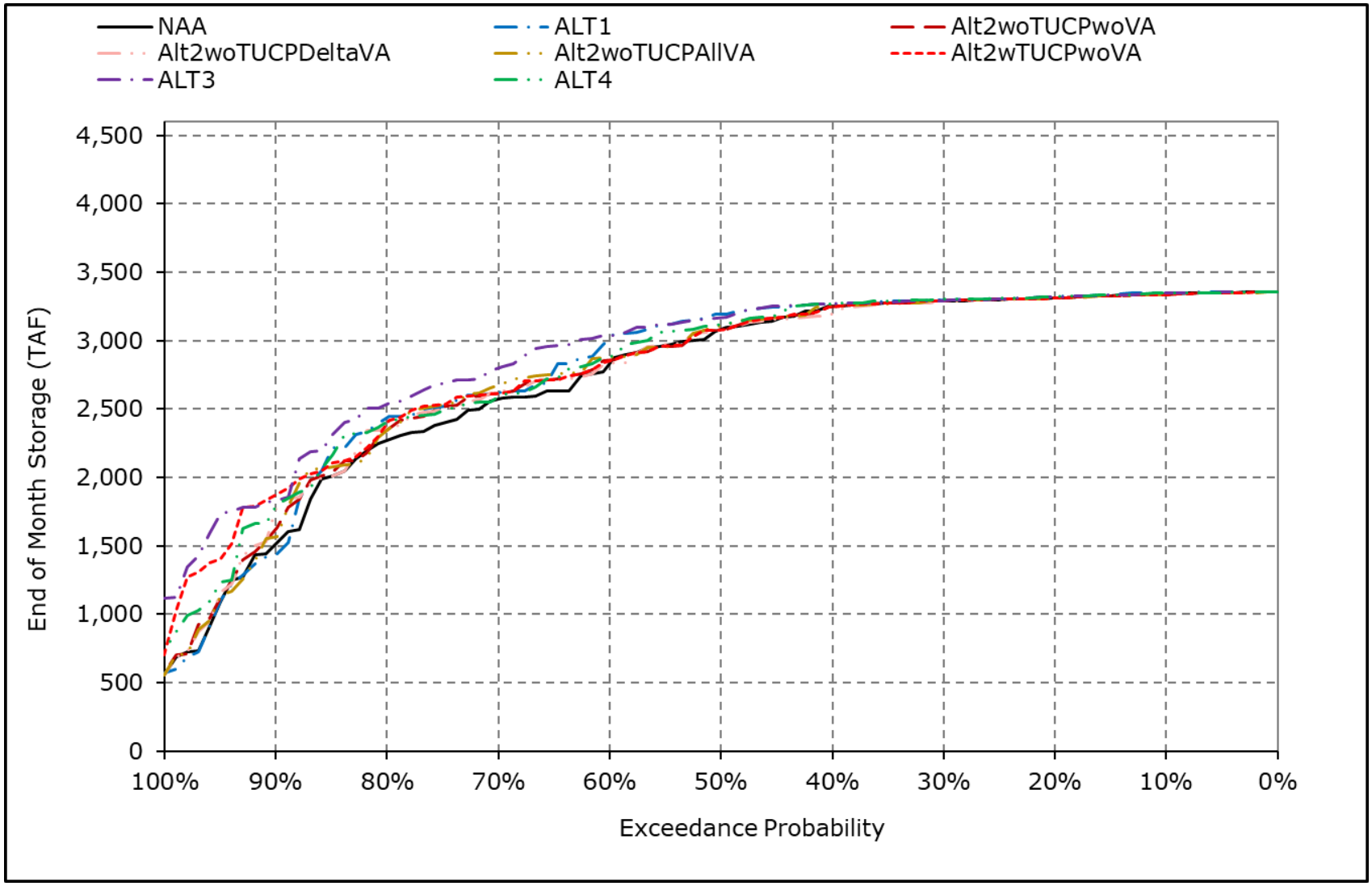
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-1. Shasta Lake Storage, October



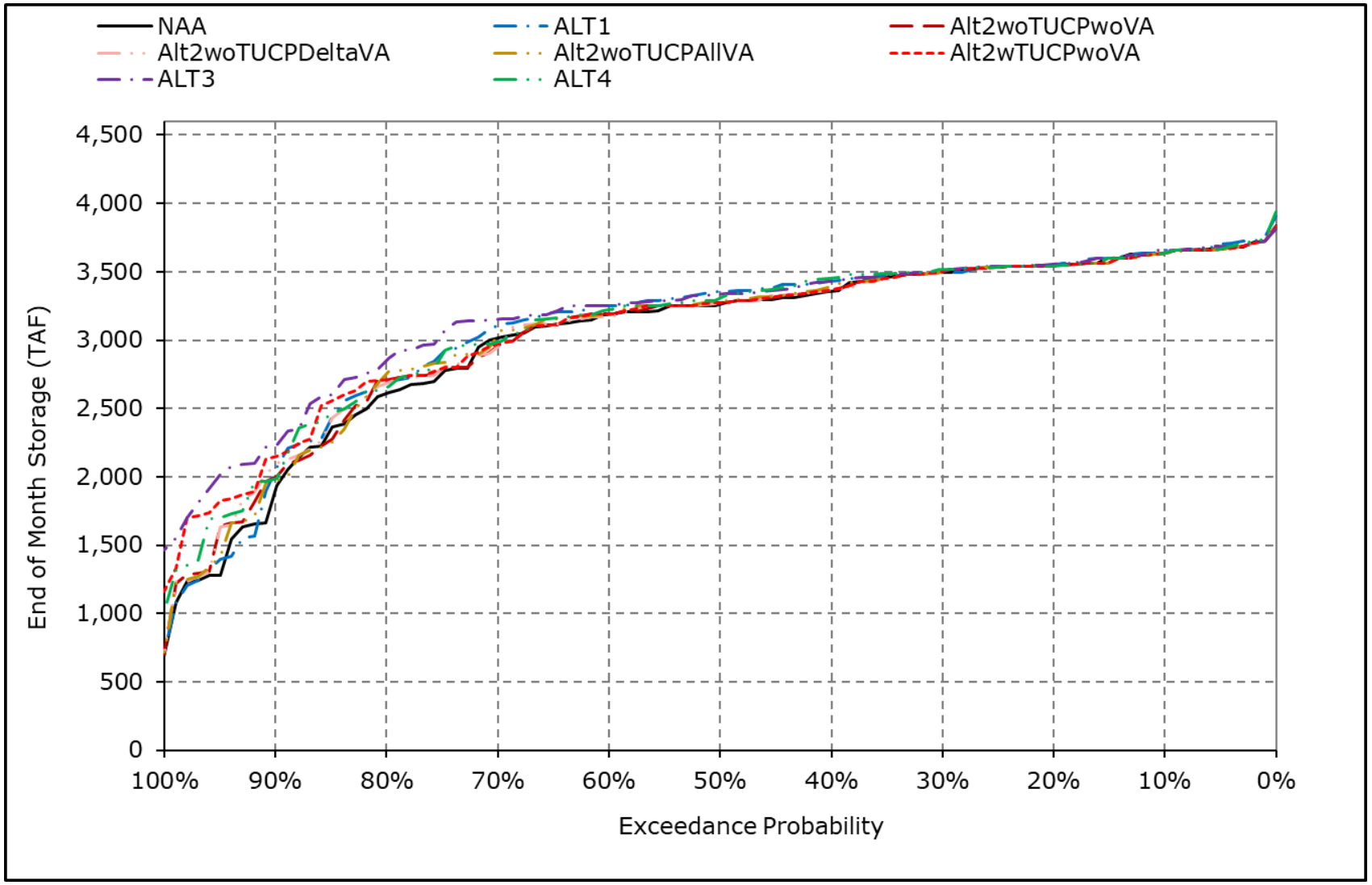
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-2. Shasta Lake Storage, November



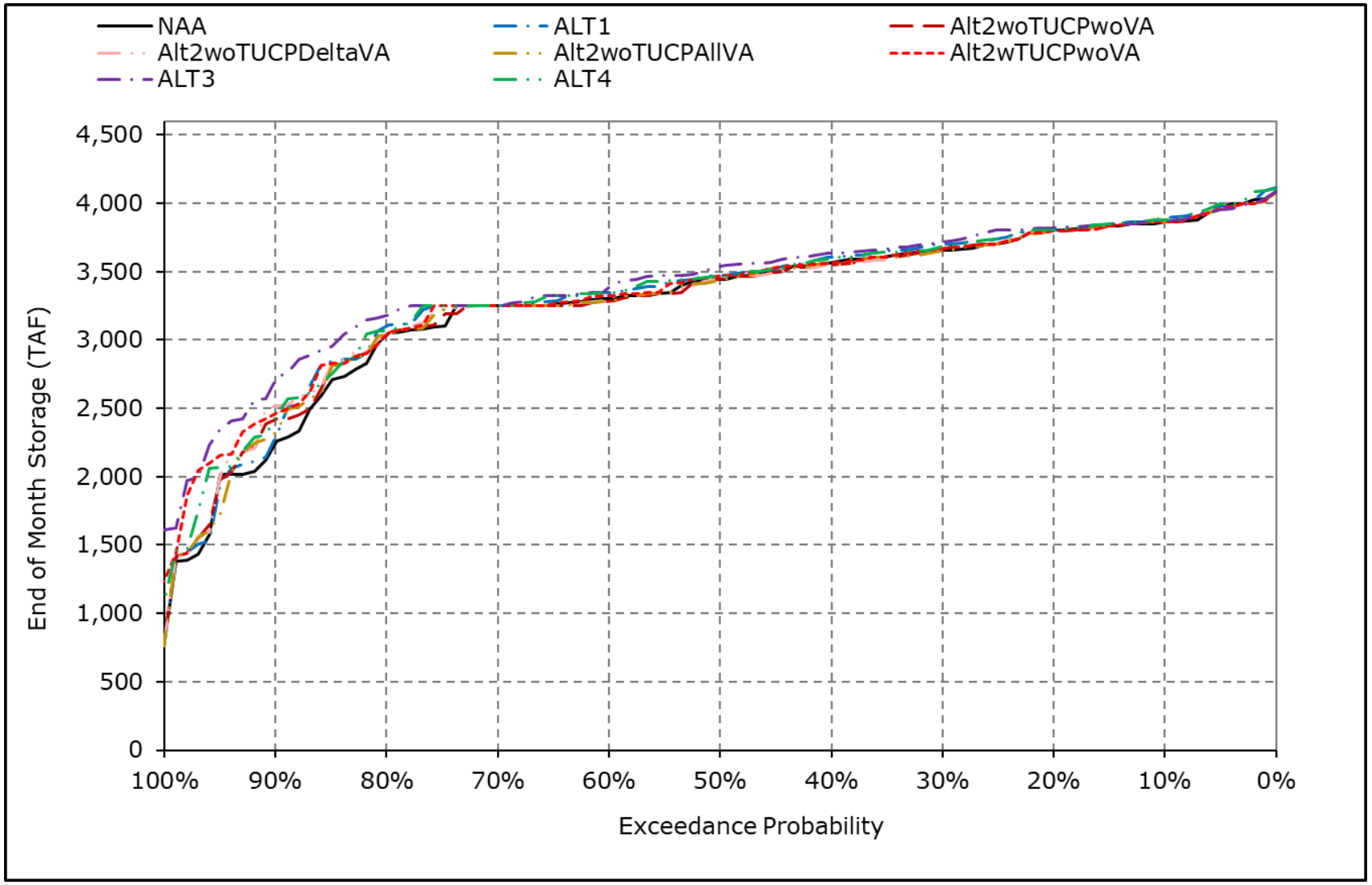
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-3. Shasta Lake Storage, December



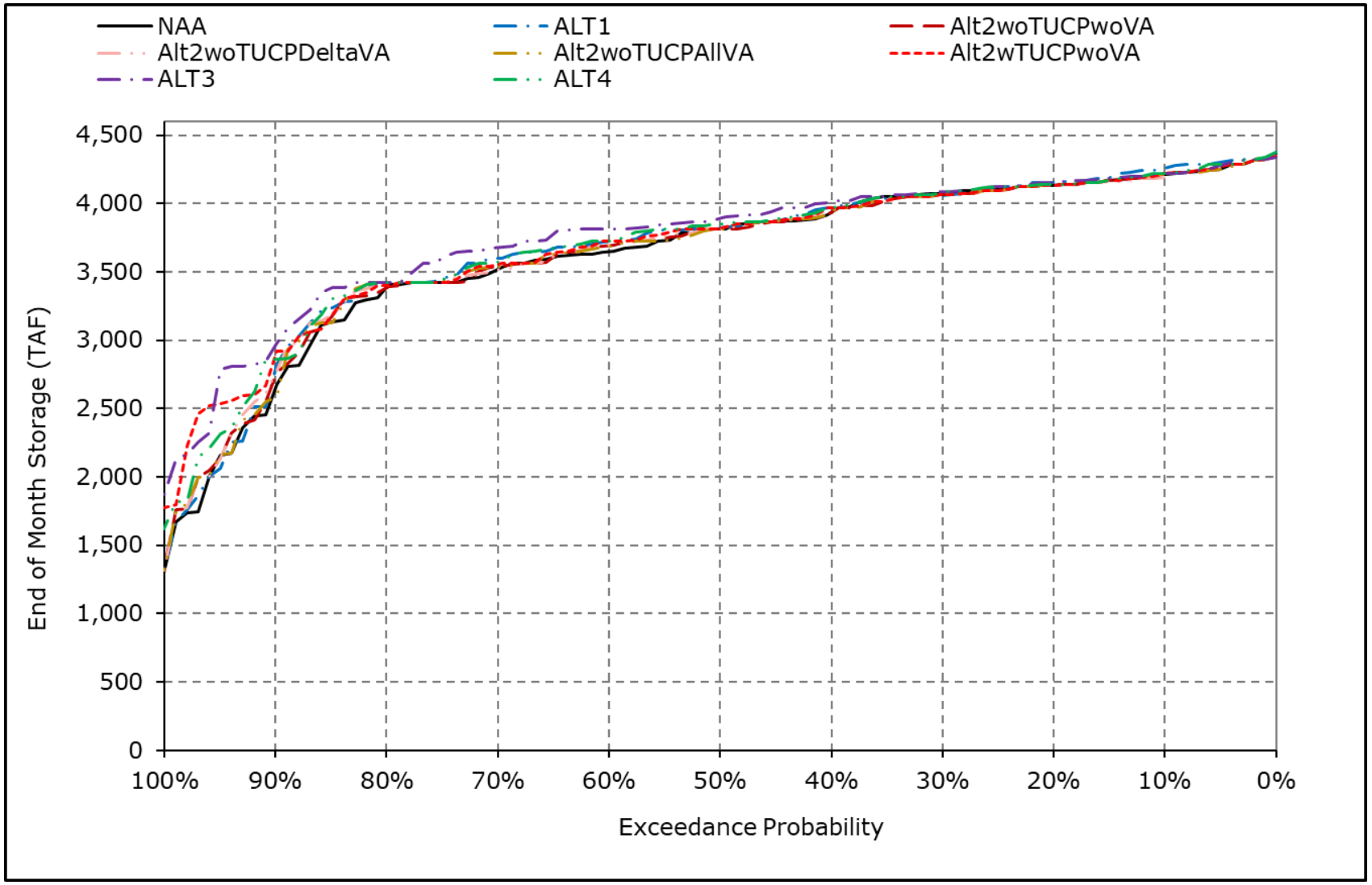
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-4. Shasta Lake Storage, January



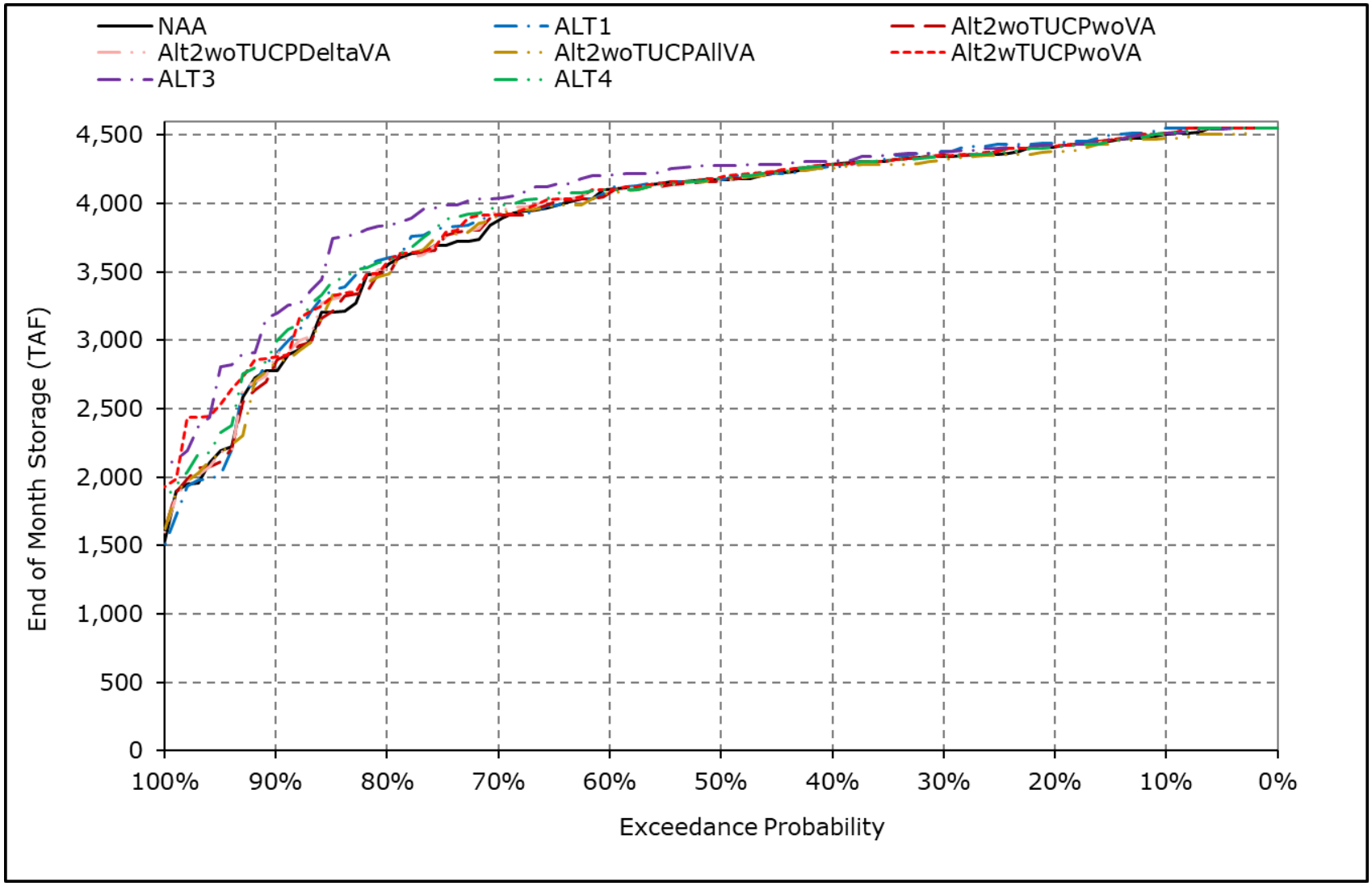
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-5. Shasta Lake Storage, February



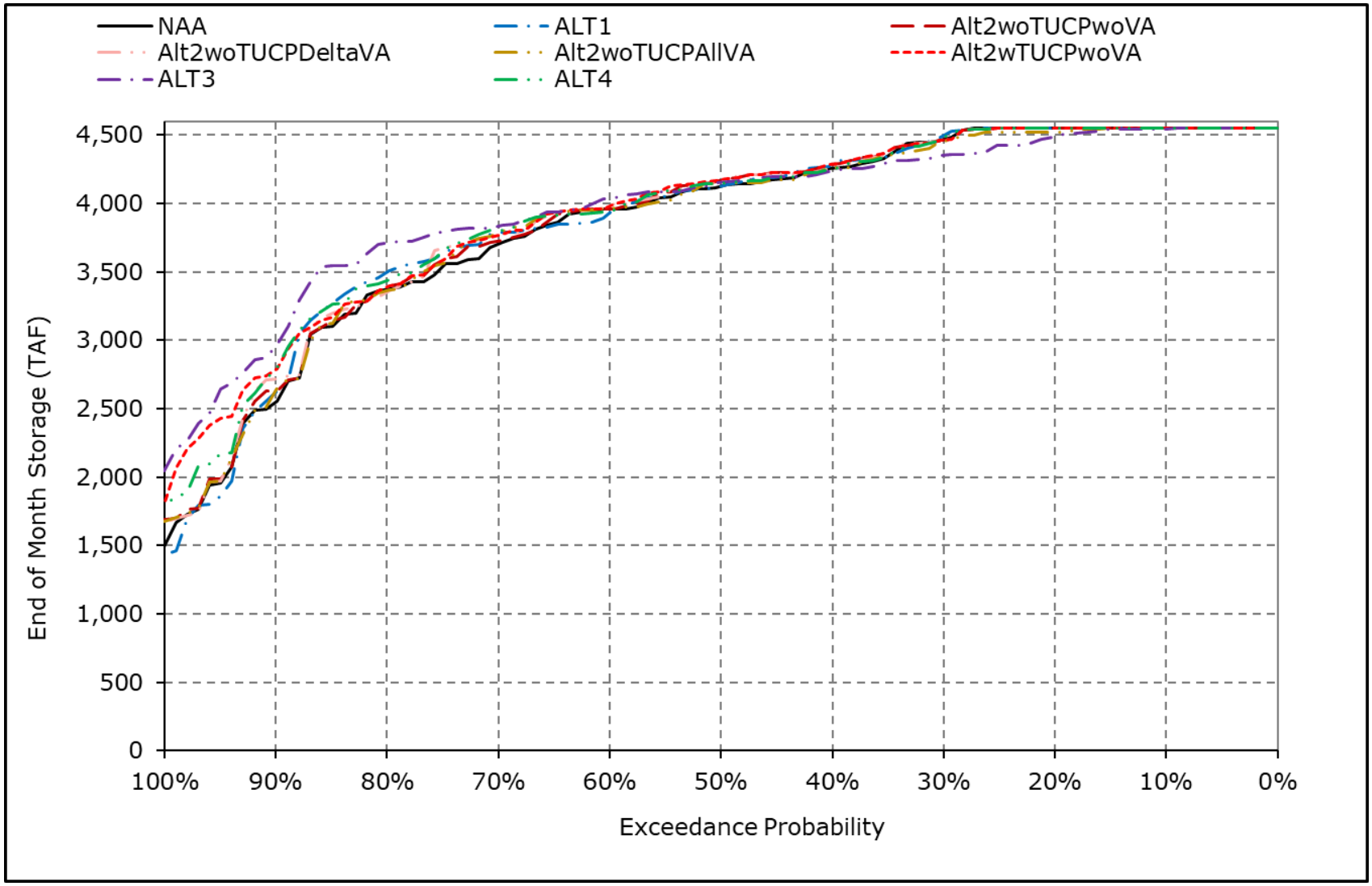
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-6. Shasta Lake Storage, March



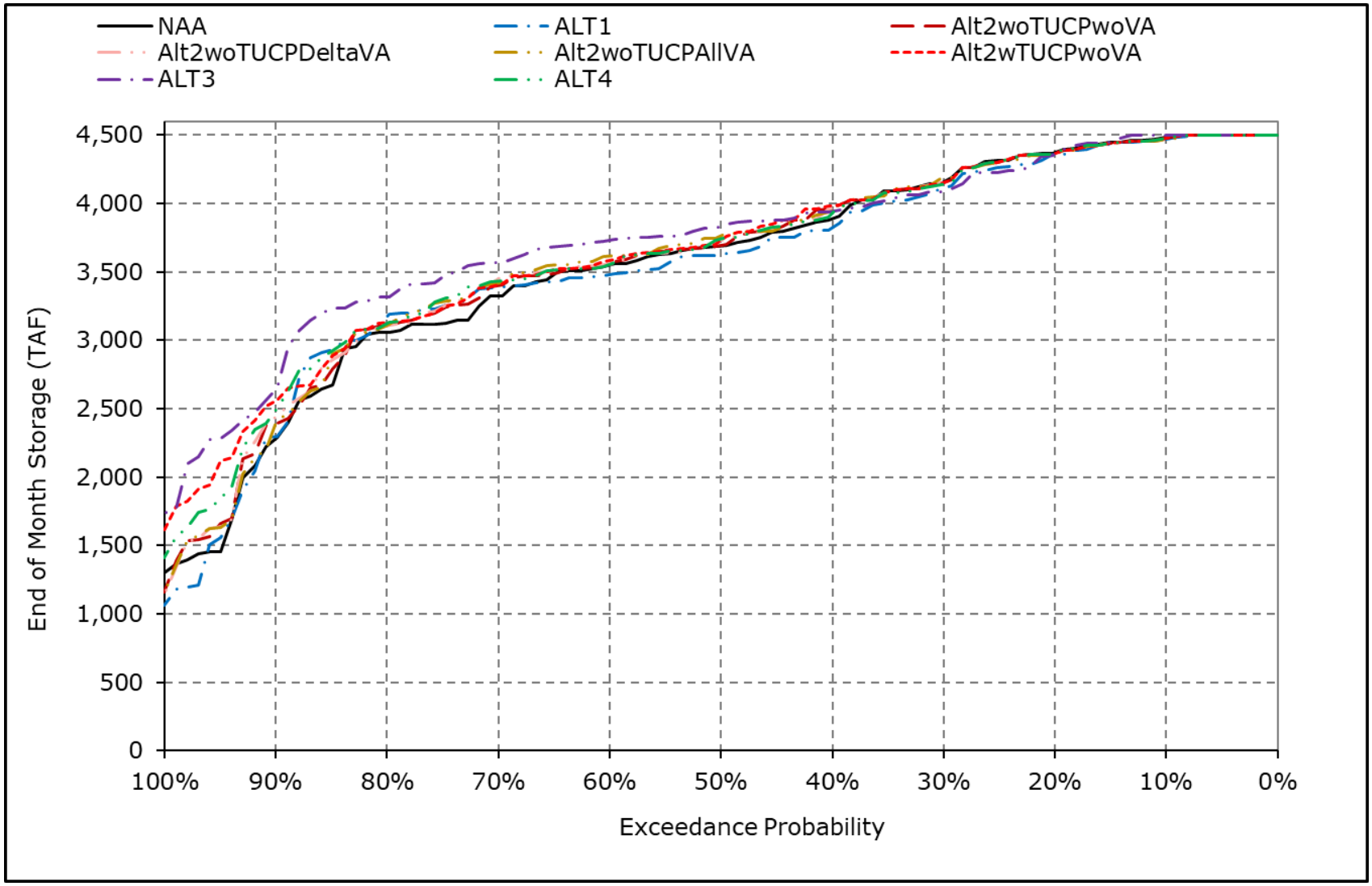
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-7. Shasta Lake Storage, April



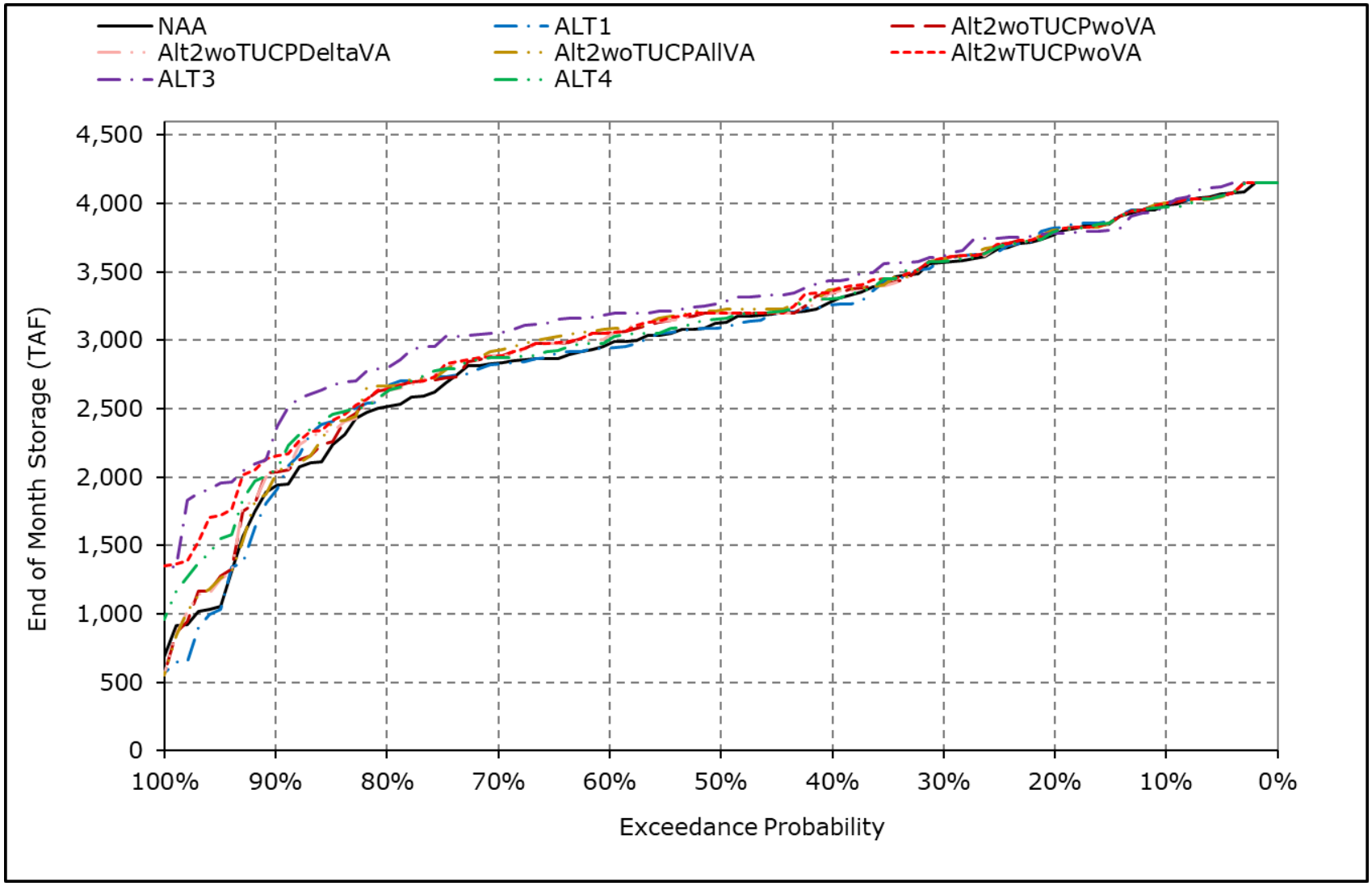
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-8. Shasta Lake Storage, May



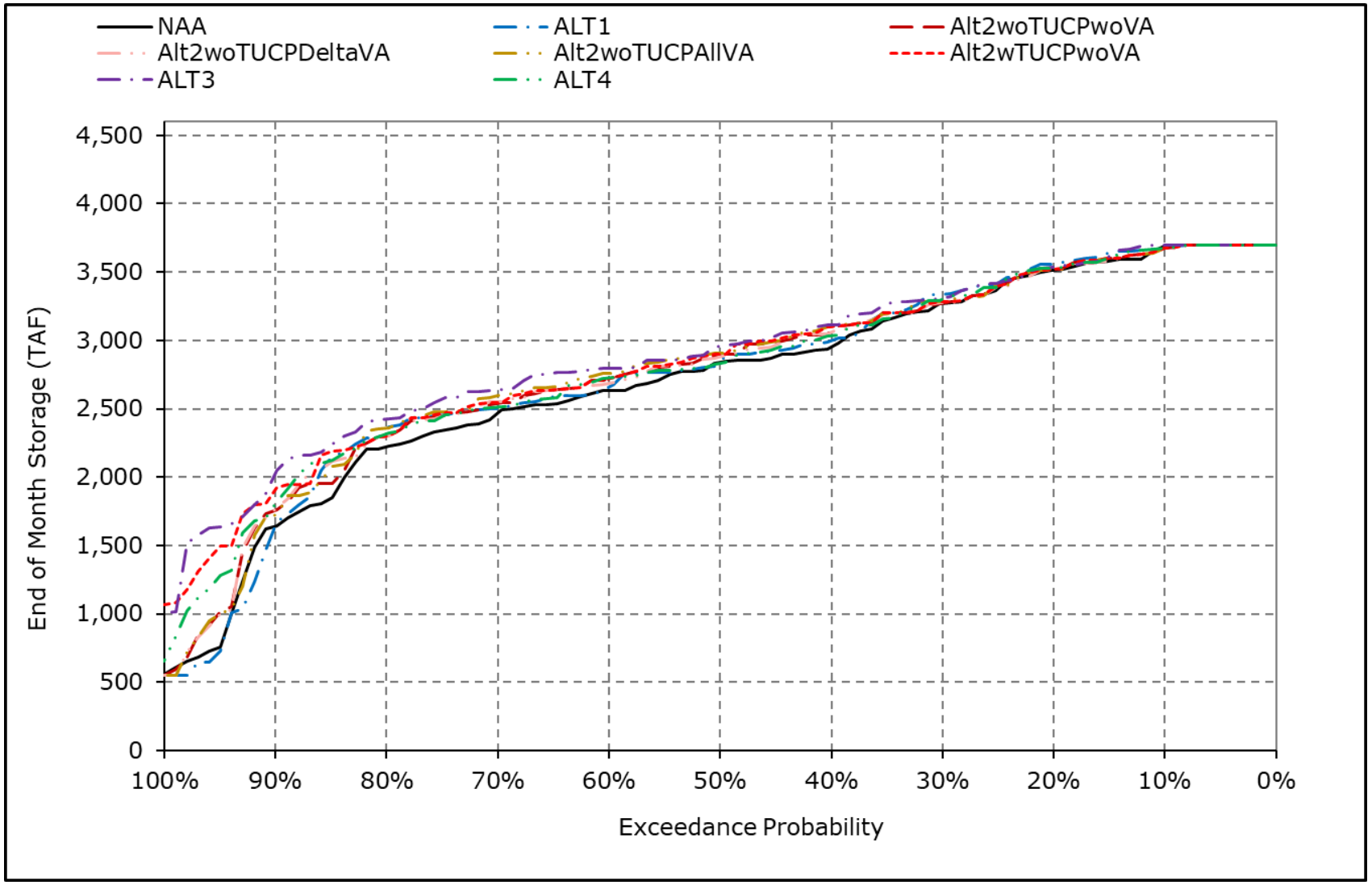
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-9. Shasta Lake Storage, June



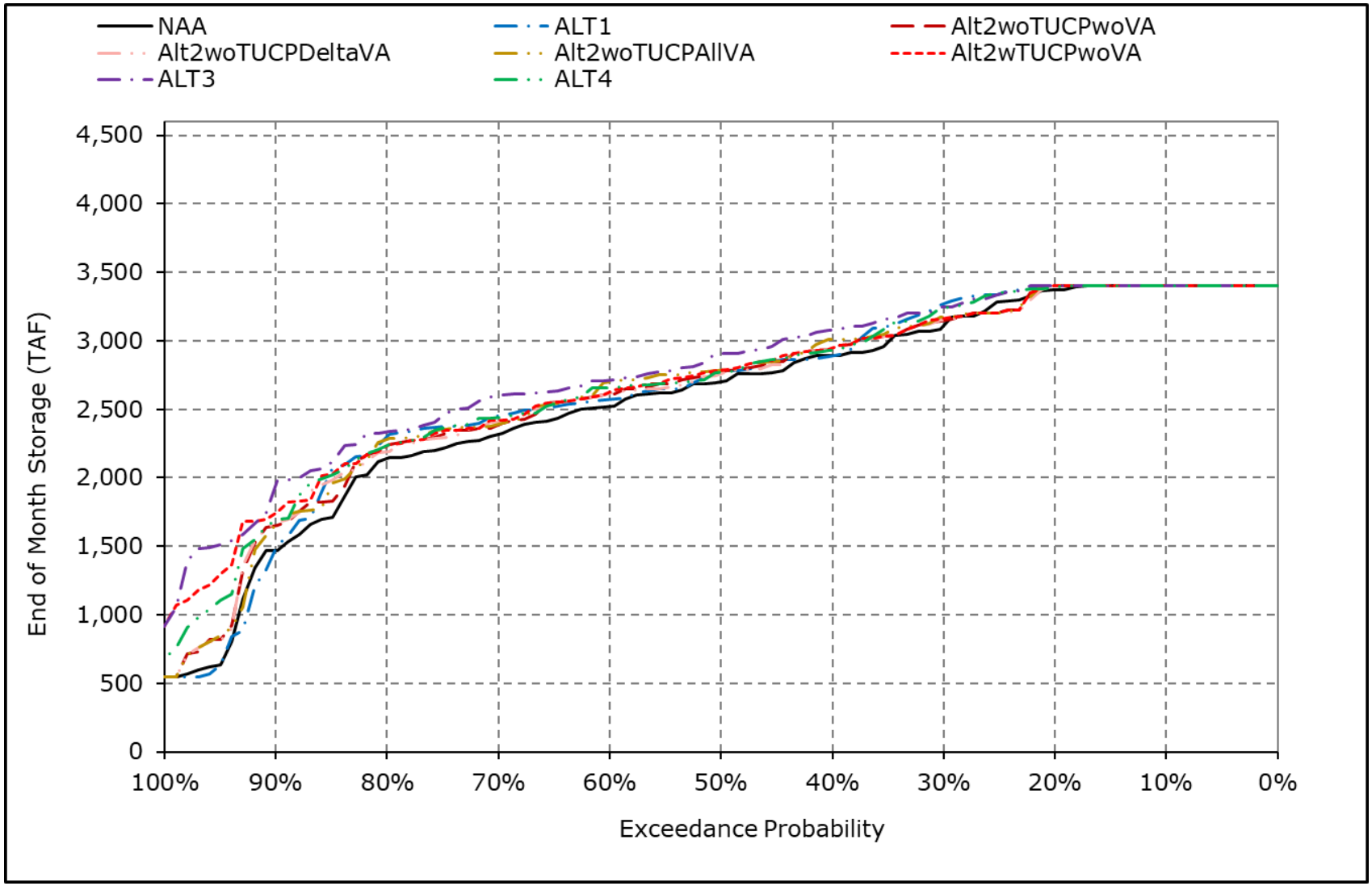
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-10. Shasta Lake Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-11. Shasta Lake Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-3-12. Shasta Lake Storage, September

Table F.2.1-4-1a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-1b. Shasta Lake Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,035	1,044	1,056	1,067	1,067	1,064	1,048	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,053	1,063	1,067	1,060	1,041	1,030	1,023
30% Exceedance	1,015	1,014	1,019	1,027	1,036	1,049	1,061	1,065	1,051	1,032	1,021	1,018
40% Exceedance	1,006	1,011	1,018	1,025	1,032	1,046	1,057	1,058	1,041	1,017	1,006	1,001
50% Exceedance	994	999	1,014	1,021	1,027	1,041	1,053	1,052	1,033	1,010	999	996
60% Exceedance	987	989	1,007	1,017	1,021	1,037	1,051	1,045	1,027	1,004	991	987
70% Exceedance	981	984	989	1,011	1,017	1,032	1,044	1,040	1,023	999	984	981
80% Exceedance	972	967	981	993	1,011	1,024	1,032	1,028	1,014	991	976	973
90% Exceedance	927	918	920	959	972	997	1,002	990	973	950	936	923
Full Simulation Period Average[a]	982	982	992	1,007	1,018	1,033	1,043	1,040	1,027	1,003	990	984
Wet Water Years (28%)	1,011	1,013	1,017	1,025	1,029	1,041	1,059	1,064	1,056	1,037	1,025	1,017
Above Normal Water Years (14%)	1,003	1,003	1,013	1,021	1,031	1,048	1,063	1,061	1,047	1,022	1,010	1,005
Below Normal Water Years (18%)	985	987	999	1,009	1,023	1,041	1,051	1,045	1,029	1,007	993	989
Dry Water Years (24%)	986	988	997	1,007	1,024	1,041	1,045	1,041	1,026	1,004	991	986
Critical Water Years (16%)	893	891	912	960	971	983	984	976	956	924	905	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-1c. Shasta Lake Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	1	1	2	2	0	0	1	0	0
20% Exceedance	0	0	0	0	0	1	1	0	0	2	2	1
30% Exceedance	3	2	0	0	2	0	1	1	-2	1	3	7
40% Exceedance	5	8	1	3	2	1	-1	1	-2	-1	2	0
50% Exceedance	0	9	5	4	1	0	0	0	-3	-2	0	3
60% Exceedance	5	3	8	3	2	3	0	-1	-3	-1	1	2
70% Exceedance	6	9	2	4	0	4	1	3	3	0	2	8
80% Exceedance	12	6	9	4	3	1	2	5	5	6	7	9
90% Exceedance	7	7	-5	8	2	6	5	3	1	-2	1	1
Full Simulation Period Average[a]	3	4	3	2	2	2	1	1	-1	0	2	3
Wet Water Years (28%)	3	3	3	0	0	0	1	0	-1	0	1	3
Above Normal Water Years (14%)	8	11	7	1	0	1	2	1	-2	0	3	7
Below Normal Water Years (18%)	0	0	1	1	0	0	-1	0	-3	-1	2	0
Dry Water Years (24%)	4	4	3	5	5	4	3	4	3	4	4	4
Critical Water Years (16%)	1	1	1	5	4	4	1	0	-1	-4	-2	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-2a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-2b. Shasta Lake Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,066	1,067	1,064	1,047	1,035	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,060	1,040	1,028	1,023
30% Exceedance	1,010	1,011	1,019	1,028	1,035	1,050	1,060	1,064	1,053	1,032	1,018	1,012
40% Exceedance	1,003	1,000	1,017	1,022	1,030	1,045	1,057	1,058	1,046	1,021	1,009	1,004
50% Exceedance	995	993	1,010	1,018	1,025	1,041	1,053	1,053	1,036	1,015	1,001	996
60% Exceedance	987	990	1,000	1,014	1,018	1,036	1,050	1,046	1,031	1,008	994	989
70% Exceedance	981	978	989	1,004	1,017	1,030	1,044	1,037	1,024	1,001	986	978
80% Exceedance	964	963	975	994	1,008	1,023	1,027	1,023	1,011	991	973	969
90% Exceedance	929	932	934	956	980	995	999	990	978	958	942	935
Full Simulation Period Average[a]	982	981	992	1,006	1,017	1,032	1,042	1,041	1,029	1,006	992	985
Wet Water Years (28%)	1,009	1,010	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,038	1,025	1,015
Above Normal Water Years (14%)	994	992	1,005	1,019	1,030	1,047	1,061	1,060	1,049	1,023	1,009	999
Below Normal Water Years (18%)	989	989	1,000	1,009	1,023	1,041	1,052	1,047	1,033	1,010	996	992
Dry Water Years (24%)	986	988	996	1,004	1,021	1,038	1,043	1,039	1,025	1,004	991	986
Critical Water Years (16%)	902	897	919	960	970	982	984	978	961	933	916	909

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-2c. Shasta Lake Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	1	-1	0
20% Exceedance	0	0	0	0	0	0	0	0	0	1	0	1
30% Exceedance	-2	-1	0	0	0	0	0	0	0	1	0	2
40% Exceedance	2	-2	0	0	-1	0	0	1	3	3	5	2
50% Exceedance	1	4	0	0	0	0	0	2	0	3	2	3
60% Exceedance	5	4	1	0	-1	2	-1	0	1	3	4	4
70% Exceedance	7	4	2	-3	0	1	1	1	3	2	4	4
80% Exceedance	5	2	4	4	0	0	-3	1	2	6	4	5
90% Exceedance	9	21	8	5	10	4	3	4	6	5	7	13
Full Simulation Period Average[a]	3	2	2	1	1	1	0	1	1	2	4	4
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	1	1
Above Normal Water Years (14%)	0	0	-1	-1	-1	0	0	0	0	1	2	1
Below Normal Water Years (18%)	3	2	2	0	0	0	0	1	1	2	4	3
Dry Water Years (24%)	4	4	2	2	1	1	1	2	3	4	4	4
Critical Water Years (16%)	10	7	7	4	4	3	0	2	4	5	9	11

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-3a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-3b. Shasta Lake Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,054	1,065	1,067	1,064	1,047	1,035	1,023
20% Exceedance	1,017	1,017	1,019	1,030	1,040	1,052	1,062	1,067	1,060	1,040	1,029	1,023
30% Exceedance	1,009	1,010	1,019	1,028	1,034	1,050	1,060	1,064	1,053	1,032	1,018	1,013
40% Exceedance	1,002	1,000	1,015	1,022	1,030	1,046	1,057	1,057	1,046	1,021	1,009	1,004
50% Exceedance	994	992	1,010	1,018	1,026	1,041	1,053	1,053	1,038	1,015	1,001	996
60% Exceedance	987	989	999	1,014	1,019	1,036	1,051	1,047	1,030	1,008	993	989
70% Exceedance	980	978	990	1,004	1,017	1,028	1,045	1,039	1,026	1,001	987	979
80% Exceedance	963	963	977	992	1,008	1,024	1,029	1,021	1,011	990	973	967
90% Exceedance	932	937	943	961	985	996	1,001	994	981	959	943	937
Full Simulation Period Average[a]	982	981	992	1,006	1,017	1,032	1,042	1,041	1,029	1,006	992	985
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,038	1,025	1,014
Above Normal Water Years (14%)	994	991	1,005	1,019	1,030	1,047	1,061	1,060	1,049	1,023	1,009	999
Below Normal Water Years (18%)	989	990	1,000	1,009	1,023	1,041	1,052	1,047	1,034	1,011	996	992
Dry Water Years (24%)	986	987	996	1,004	1,021	1,038	1,044	1,040	1,026	1,004	990	986
Critical Water Years (16%)	904	899	919	961	973	984	985	979	962	934	917	911

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-3c. Shasta Lake Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-1	0	0	0	1	-1	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
30% Exceedance	-3	-2	0	0	0	0	0	0	0	1	0	2
40% Exceedance	1	-3	-2	0	-1	1	0	0	3	3	5	2
50% Exceedance	0	3	0	0	0	0	0	1	2	3	2	3
60% Exceedance	5	3	0	-1	0	2	0	1	0	3	2	4
70% Exceedance	6	4	2	-3	0	0	2	2	6	2	4	5
80% Exceedance	4	1	5	3	0	1	-1	-1	2	5	4	3
90% Exceedance	12	26	17	10	15	5	5	7	9	6	8	15
Full Simulation Period Average[a]	3	2	2	2	1	1	1	1	2	3	4	4
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	1	0
Above Normal Water Years (14%)	0	-1	-1	-1	-1	0	0	0	0	1	2	1
Below Normal Water Years (18%)	3	3	2	1	0	0	0	1	1	3	4	4
Dry Water Years (24%)	4	4	2	2	2	1	2	2	3	4	4	4
Critical Water Years (16%)	12	8	8	6	7	5	1	3	5	6	10	12

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-4a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-4b. Shasta Lake Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,064	1,067	1,064	1,047	1,035	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,061	1,066	1,060	1,040	1,029	1,023
30% Exceedance	1,011	1,010	1,019	1,028	1,034	1,050	1,059	1,064	1,054	1,032	1,019	1,014
40% Exceedance	1,003	1,001	1,017	1,023	1,030	1,045	1,057	1,057	1,045	1,022	1,011	1,007
50% Exceedance	996	995	1,011	1,018	1,025	1,041	1,054	1,053	1,039	1,016	1,002	997
60% Exceedance	989	991	1,001	1,015	1,018	1,036	1,050	1,046	1,033	1,010	995	993
70% Exceedance	981	980	992	1,008	1,017	1,030	1,044	1,040	1,024	1,003	989	978
80% Exceedance	969	964	976	995	1,008	1,024	1,027	1,022	1,011	992	976	972
90% Exceedance	927	925	929	954	974	988	999	990	979	957	940	936
Full Simulation Period Average[a]	982	981	992	1,006	1,017	1,032	1,042	1,040	1,029	1,006	992	985
Wet Water Years (28%)	1,009	1,009	1,014	1,026	1,029	1,041	1,058	1,064	1,057	1,038	1,025	1,014
Above Normal Water Years (14%)	995	992	1,005	1,018	1,029	1,047	1,060	1,058	1,049	1,023	1,010	999
Below Normal Water Years (18%)	990	990	1,001	1,009	1,023	1,041	1,050	1,045	1,034	1,011	997	993
Dry Water Years (24%)	989	990	998	1,005	1,021	1,039	1,044	1,040	1,028	1,007	993	989
Critical Water Years (16%)	899	894	916	959	970	982	984	977	960	931	914	907

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-4c. Shasta Lake Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-1	0	0	1	0	0
20% Exceedance	0	0	0	0	0	0	-1	-1	0	1	0	1
30% Exceedance	-1	-2	0	0	0	0	-1	0	1	1	1	3
40% Exceedance	2	-1	0	2	0	0	-1	0	2	4	7	5
50% Exceedance	2	6	1	1	0	0	0	1	3	4	3	4
60% Exceedance	7	5	2	1	-1	2	-1	0	3	5	5	8
70% Exceedance	7	5	4	1	0	1	2	3	4	4	6	4
80% Exceedance	9	2	4	6	0	1	-3	0	2	7	8	8
90% Exceedance	7	14	4	3	4	-3	3	4	7	5	5	14
Full Simulation Period Average[a]	4	3	2	1	1	1	0	1	2	3	4	4
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	1	0
Above Normal Water Years (14%)	0	0	-1	-2	-1	0	-2	-2	0	1	3	2
Below Normal Water Years (18%)	4	4	3	0	0	0	-1	0	1	3	5	4
Dry Water Years (24%)	7	6	4	3	2	2	2	3	5	6	7	7
Critical Water Years (16%)	7	4	4	4	4	3	0	1	3	3	7	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-5a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-5b. Shasta Lake Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,066	1,067	1,064	1,047	1,035	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,060	1,040	1,029	1,023
30% Exceedance	1,010	1,011	1,019	1,028	1,035	1,050	1,060	1,064	1,053	1,032	1,018	1,013
40% Exceedance	1,003	1,000	1,017	1,022	1,030	1,046	1,057	1,058	1,047	1,022	1,011	1,004
50% Exceedance	995	993	1,010	1,018	1,026	1,041	1,054	1,053	1,038	1,015	1,002	997
60% Exceedance	988	990	1,000	1,014	1,020	1,037	1,051	1,047	1,031	1,008	994	990
70% Exceedance	981	981	989	1,005	1,017	1,030	1,044	1,039	1,024	1,001	986	980
80% Exceedance	965	966	978	994	1,008	1,023	1,031	1,023	1,012	991	973	969
90% Exceedance	942	945	949	964	982	1,001	1,001	997	987	964	951	941
Full Simulation Period Average[a]	986	985	995	1,009	1,019	1,034	1,044	1,043	1,032	1,010	996	989
Wet Water Years (28%)	1,009	1,010	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,038	1,025	1,015
Above Normal Water Years (14%)	994	992	1,005	1,021	1,031	1,047	1,061	1,060	1,049	1,023	1,009	999
Below Normal Water Years (18%)	991	991	1,002	1,013	1,027	1,045	1,055	1,049	1,036	1,013	998	994
Dry Water Years (24%)	987	988	997	1,005	1,021	1,038	1,044	1,039	1,026	1,005	991	987
Critical Water Years (16%)	925	920	938	969	980	992	995	990	975	955	941	933

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-5c. Shasta Lake Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	1	-1	0
20% Exceedance	0	0	0	0	0	0	0	0	0	1	0	1
30% Exceedance	-2	-1	0	0	1	0	0	0	0	1	1	2
40% Exceedance	2	-2	0	0	0	1	0	1	3	3	6	2
50% Exceedance	1	4	0	0	1	0	1	2	2	3	3	4
60% Exceedance	6	4	1	0	1	3	0	1	1	3	4	5
70% Exceedance	7	6	2	-2	0	1	2	2	3	2	4	6
80% Exceedance	6	4	7	5	0	0	1	1	3	6	4	5
90% Exceedance	22	34	23	14	12	10	4	10	15	12	16	19
Full Simulation Period Average[a]	7	6	5	4	3	3	3	3	4	7	8	8
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	1	1
Above Normal Water Years (14%)	0	0	-1	1	1	0	0	0	0	1	2	1
Below Normal Water Years (18%)	5	5	4	5	4	3	3	4	3	5	6	5
Dry Water Years (24%)	5	4	3	3	2	1	1	2	3	4	4	5
Critical Water Years (16%)	33	30	27	14	13	13	11	14	18	27	34	35

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-6a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-6b. Shasta Lake Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,035	1,043	1,055	1,066	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,041	1,053	1,063	1,065	1,060	1,039	1,029	1,023
30% Exceedance	1,015	1,015	1,019	1,028	1,037	1,050	1,061	1,060	1,051	1,033	1,019	1,017
40% Exceedance	1,011	1,010	1,018	1,025	1,034	1,048	1,058	1,056	1,045	1,025	1,011	1,010
50% Exceedance	1,000	1,001	1,013	1,021	1,029	1,043	1,057	1,053	1,041	1,018	1,004	1,002
60% Exceedance	993	996	1,008	1,017	1,023	1,041	1,055	1,049	1,038	1,014	997	994
70% Exceedance	987	989	997	1,013	1,017	1,035	1,049	1,041	1,031	1,008	990	989
80% Exceedance	972	977	986	1,000	1,014	1,024	1,042	1,037	1,020	998	980	975
90% Exceedance	950	942	946	969	994	1,004	1,014	1,004	991	976	958	953
Full Simulation Period Average[a]	991	991	1,000	1,012	1,023	1,037	1,048	1,045	1,036	1,015	999	994
Wet Water Years (28%)	1,011	1,012	1,016	1,026	1,029	1,041	1,058	1,058	1,055	1,036	1,024	1,016
Above Normal Water Years (14%)	1,001	1,001	1,011	1,021	1,032	1,047	1,061	1,055	1,048	1,027	1,013	1,005
Below Normal Water Years (18%)	999	1,000	1,009	1,019	1,031	1,048	1,060	1,054	1,043	1,022	1,005	1,001
Dry Water Years (24%)	990	991	1,000	1,010	1,027	1,043	1,051	1,047	1,034	1,012	994	990
Critical Water Years (16%)	936	930	947	976	988	998	1,001	999	985	964	947	941

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-6c. Shasta Lake Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	1	0	0	0	0	1	0	0	0
20% Exceedance	0	0	0	0	1	1	1	-2	0	0	1	1
30% Exceedance	3	3	0	1	3	1	1	-4	-2	2	2	6
40% Exceedance	10	7	1	3	3	3	1	-1	2	6	7	8
50% Exceedance	6	12	4	3	4	3	4	1	5	6	5	9
60% Exceedance	11	10	9	3	4	6	4	3	8	10	7	8
70% Exceedance	13	14	10	6	0	7	6	5	11	10	8	15
80% Exceedance	13	16	15	11	6	1	12	15	11	13	12	11
90% Exceedance	30	31	21	18	24	14	18	18	19	23	23	31
Full Simulation Period Average[a]	12	12	10	8	7	6	6	5	8	11	11	13
Wet Water Years (28%)	2	3	2	1	0	0	0	-6	-3	-1	0	2
Above Normal Water Years (14%)	7	9	5	1	1	0	-1	-5	-1	5	5	8
Below Normal Water Years (18%)	14	13	11	11	8	7	8	9	11	14	13	13
Dry Water Years (24%)	8	8	6	8	7	6	9	10	11	11	7	8
Critical Water Years (16%)	44	40	35	21	21	19	18	23	28	37	40	42

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-7a. Shasta Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,065	1,067	1,065	1,047	1,036	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,061	1,039	1,028	1,022
30% Exceedance	1,012	1,012	1,019	1,027	1,034	1,050	1,060	1,064	1,053	1,031	1,018	1,011
40% Exceedance	1,001	1,003	1,017	1,022	1,031	1,045	1,057	1,056	1,043	1,018	1,004	1,001
50% Exceedance	994	990	1,010	1,018	1,025	1,041	1,053	1,052	1,036	1,012	999	993
60% Exceedance	982	986	999	1,014	1,019	1,034	1,051	1,046	1,030	1,005	990	985
70% Exceedance	974	975	988	1,007	1,017	1,029	1,043	1,037	1,020	999	982	974
80% Exceedance	959	962	971	989	1,008	1,023	1,030	1,022	1,009	985	968	964
90% Exceedance	920	911	925	951	970	991	996	986	972	952	935	922
Full Simulation Period Average[a]	979	979	990	1,005	1,016	1,031	1,042	1,040	1,027	1,004	988	981
Wet Water Years (28%)	1,009	1,009	1,014	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,024	1,014
Above Normal Water Years (14%)	995	992	1,006	1,020	1,031	1,047	1,061	1,060	1,049	1,022	1,007	998
Below Normal Water Years (18%)	986	987	998	1,008	1,023	1,042	1,052	1,045	1,032	1,008	992	989
Dry Water Years (24%)	982	984	994	1,002	1,020	1,037	1,042	1,037	1,022	1,000	987	982
Critical Water Years (16%)	892	890	912	955	966	979	984	976	957	928	907	898

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-7b. Shasta Lake Elevation, Alternative 4, End-of-Month Elevation (Feet)

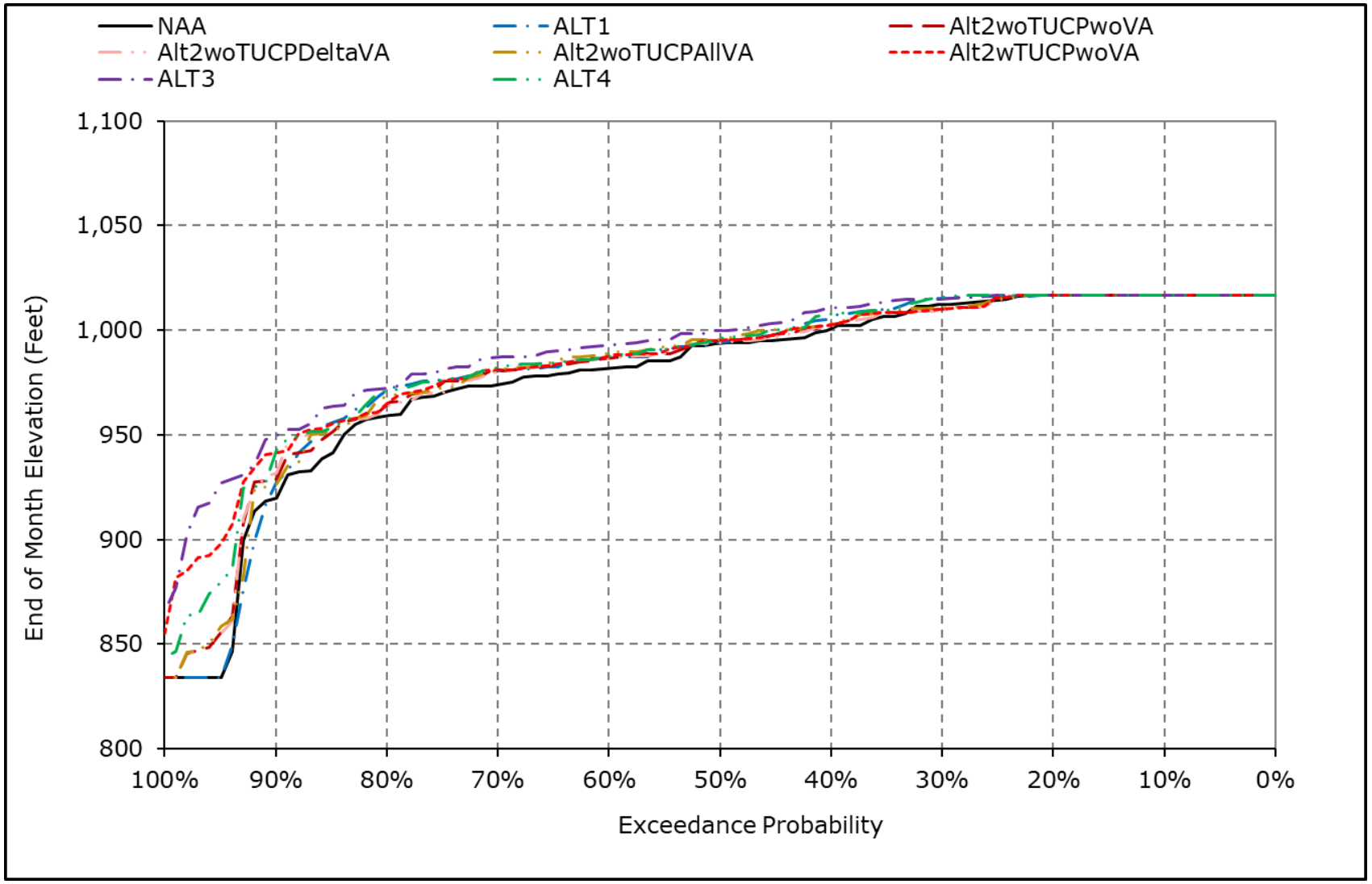
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,043	1,055	1,066	1,067	1,064	1,046	1,035	1,023
20% Exceedance	1,017	1,017	1,020	1,030	1,040	1,052	1,062	1,067	1,060	1,040	1,029	1,023
30% Exceedance	1,016	1,014	1,019	1,029	1,036	1,050	1,060	1,064	1,052	1,031	1,019	1,017
40% Exceedance	1,008	1,007	1,018	1,026	1,032	1,046	1,057	1,056	1,045	1,019	1,007	1,003
50% Exceedance	996	997	1,011	1,019	1,026	1,042	1,054	1,053	1,038	1,013	999	996
60% Exceedance	988	989	1,001	1,016	1,021	1,037	1,051	1,045	1,030	1,006	994	991
70% Exceedance	982	979	988	1,006	1,017	1,031	1,047	1,040	1,025	1,001	985	981
80% Exceedance	971	968	979	991	1,009	1,024	1,031	1,025	1,011	990	974	969
90% Exceedance	941	936	944	955	981	1,000	1,005	997	984	959	945	938
Full Simulation Period Average[a]	985	984	994	1,008	1,019	1,034	1,044	1,042	1,031	1,008	994	988
Wet Water Years (28%)	1,012	1,012	1,015	1,025	1,029	1,041	1,058	1,064	1,057	1,037	1,025	1,016
Above Normal Water Years (14%)	1,002	1,000	1,010	1,021	1,032	1,047	1,061	1,060	1,049	1,022	1,009	1,004
Below Normal Water Years (18%)	988	988	1,000	1,013	1,026	1,044	1,054	1,048	1,034	1,010	994	991
Dry Water Years (24%)	987	988	997	1,008	1,024	1,041	1,046	1,041	1,027	1,005	992	987
Critical Water Years (16%)	913	908	928	965	975	987	990	985	969	947	930	922

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-4-7c. Shasta Lake Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

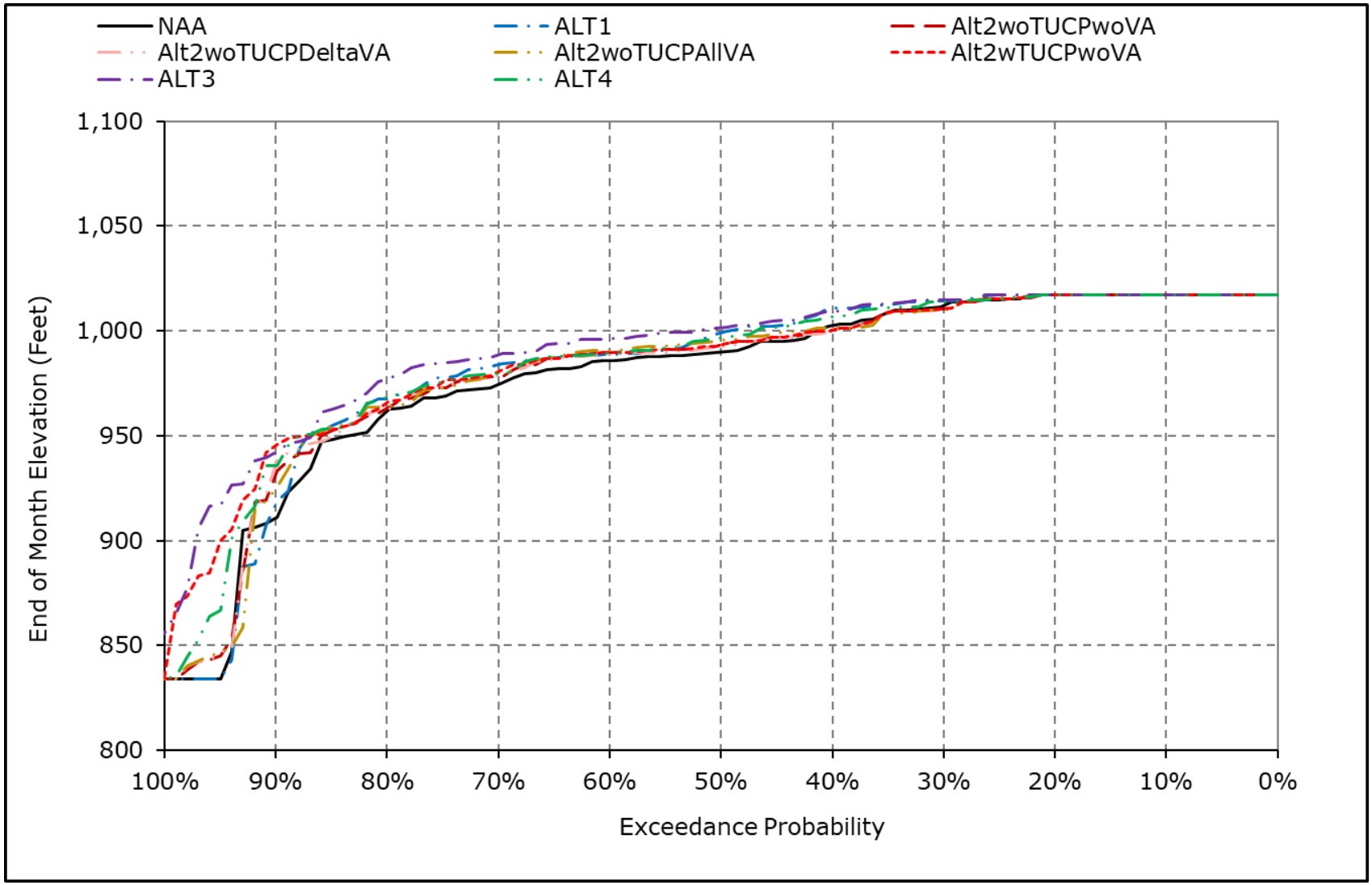
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	1	0	0	0	0	0	-1	0
20% Exceedance	0	0	0	0	0	0	0	0	0	1	1	1
30% Exceedance	4	2	0	1	1	0	0	1	-1	0	1	6
40% Exceedance	7	4	1	4	1	1	0	0	2	1	3	2
50% Exceedance	2	7	2	2	1	1	0	1	2	1	0	3
60% Exceedance	6	3	2	1	2	3	0	0	0	2	4	6
70% Exceedance	8	5	1	-1	0	2	4	4	5	2	2	7
80% Exceedance	12	7	8	2	1	1	1	3	3	5	5	5
90% Exceedance	22	25	19	4	11	9	9	11	12	7	10	16
Full Simulation Period Average[a]	7	6	4	4	3	3	2	3	3	4	6	7
Wet Water Years (28%)	3	2	1	0	0	0	0	0	0	0	1	2
Above Normal Water Years (14%)	8	7	5	1	1	0	0	0	0	0	2	6
Below Normal Water Years (18%)	2	2	1	5	4	3	2	2	2	2	2	2
Dry Water Years (24%)	5	5	3	6	5	4	4	4	4	5	5	5
Critical Water Years (16%)	21	17	17	9	8	8	7	9	12	19	23	24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



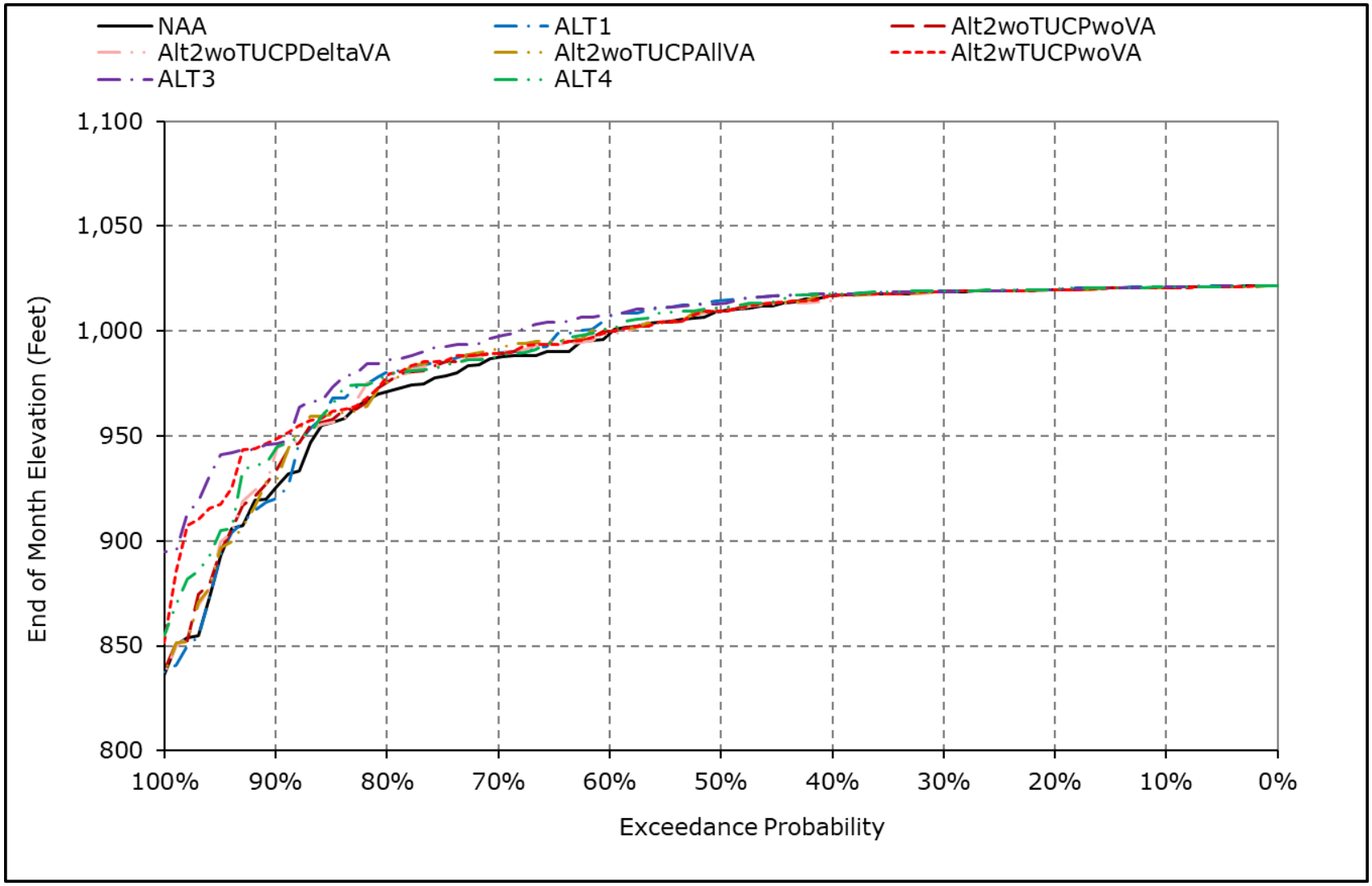
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-1. Shasta Lake Elevation, October



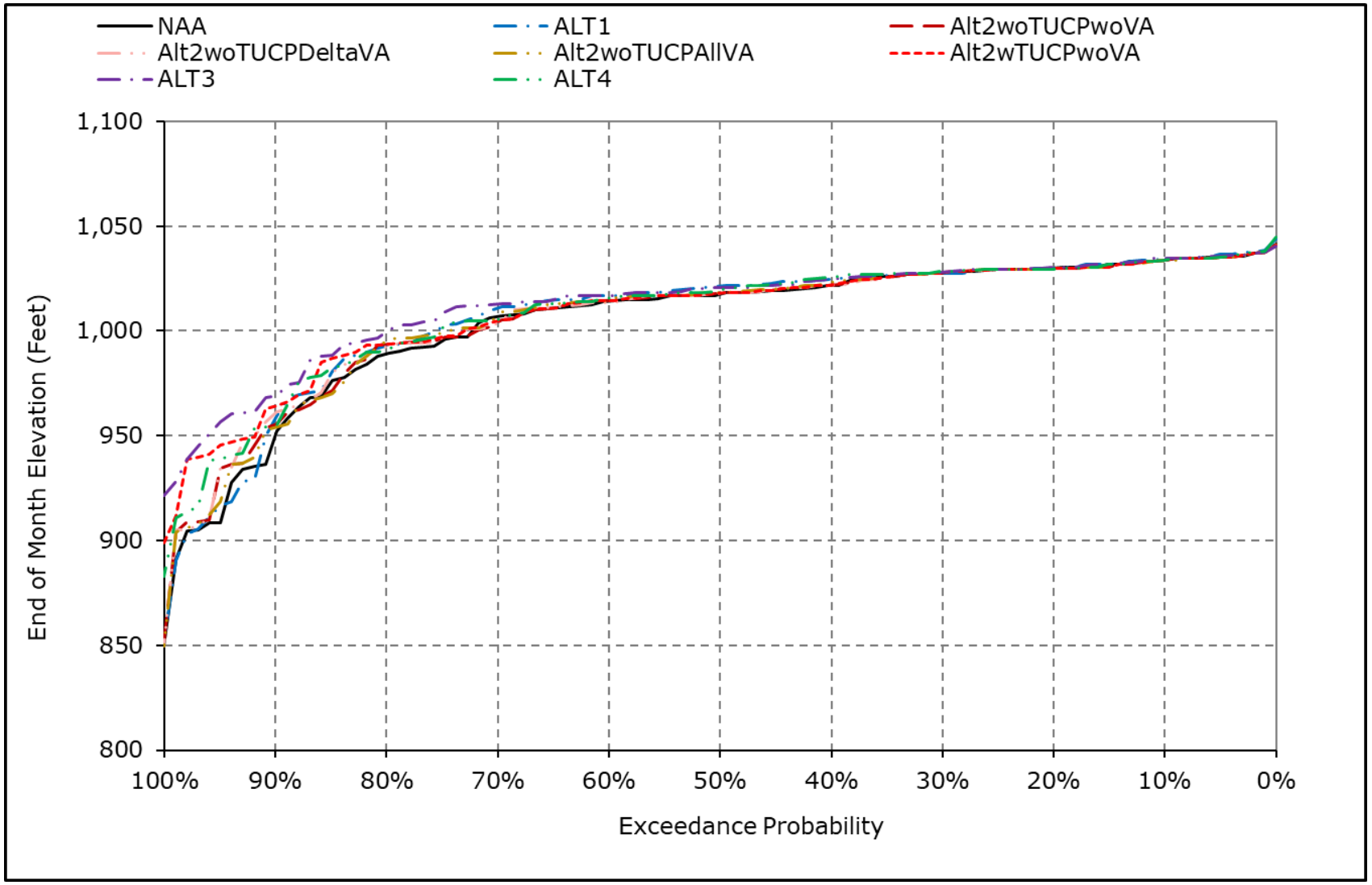
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-2. Shasta Lake Elevation, November



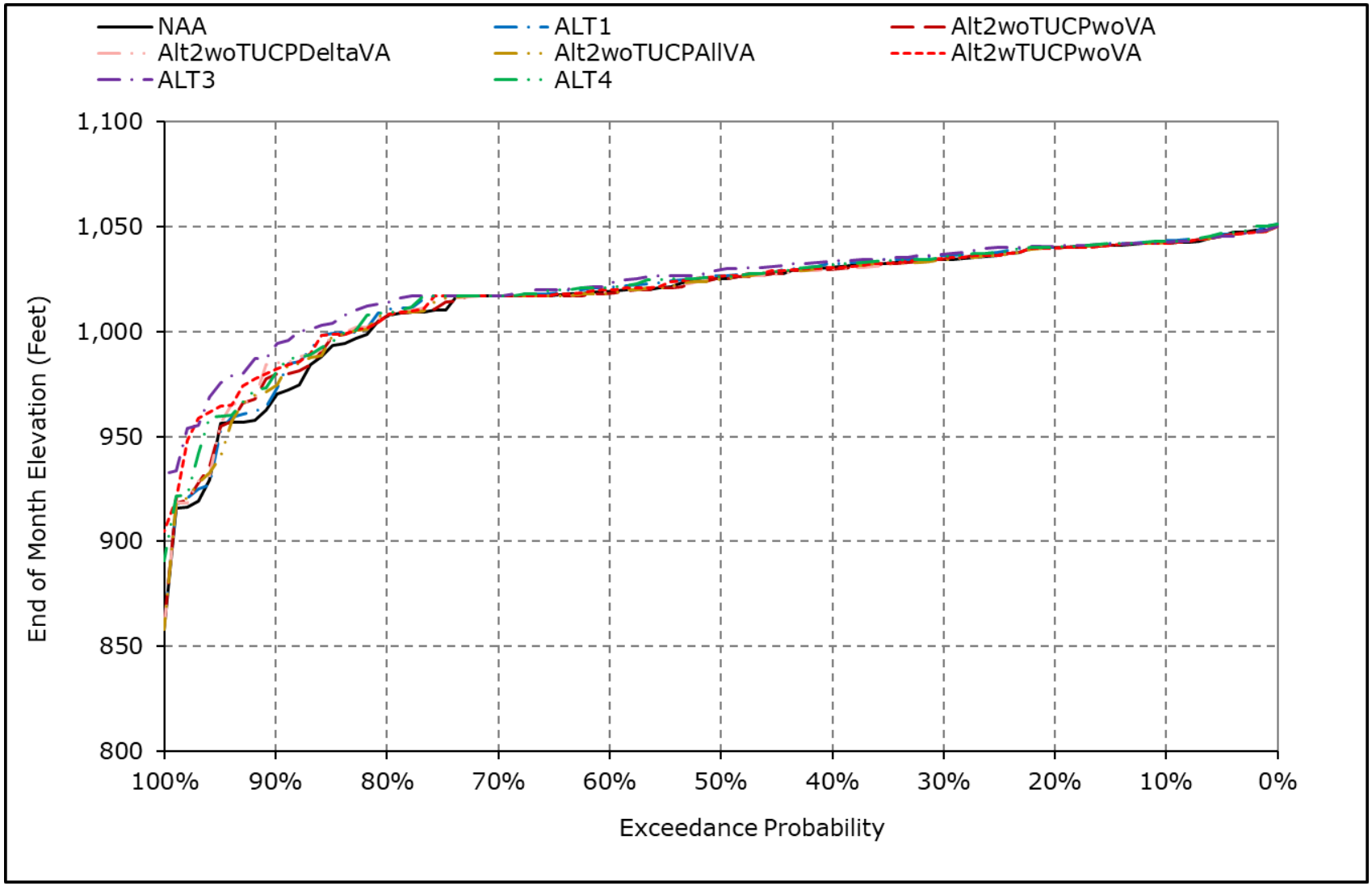
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-3. Shasta Lake Elevation, December



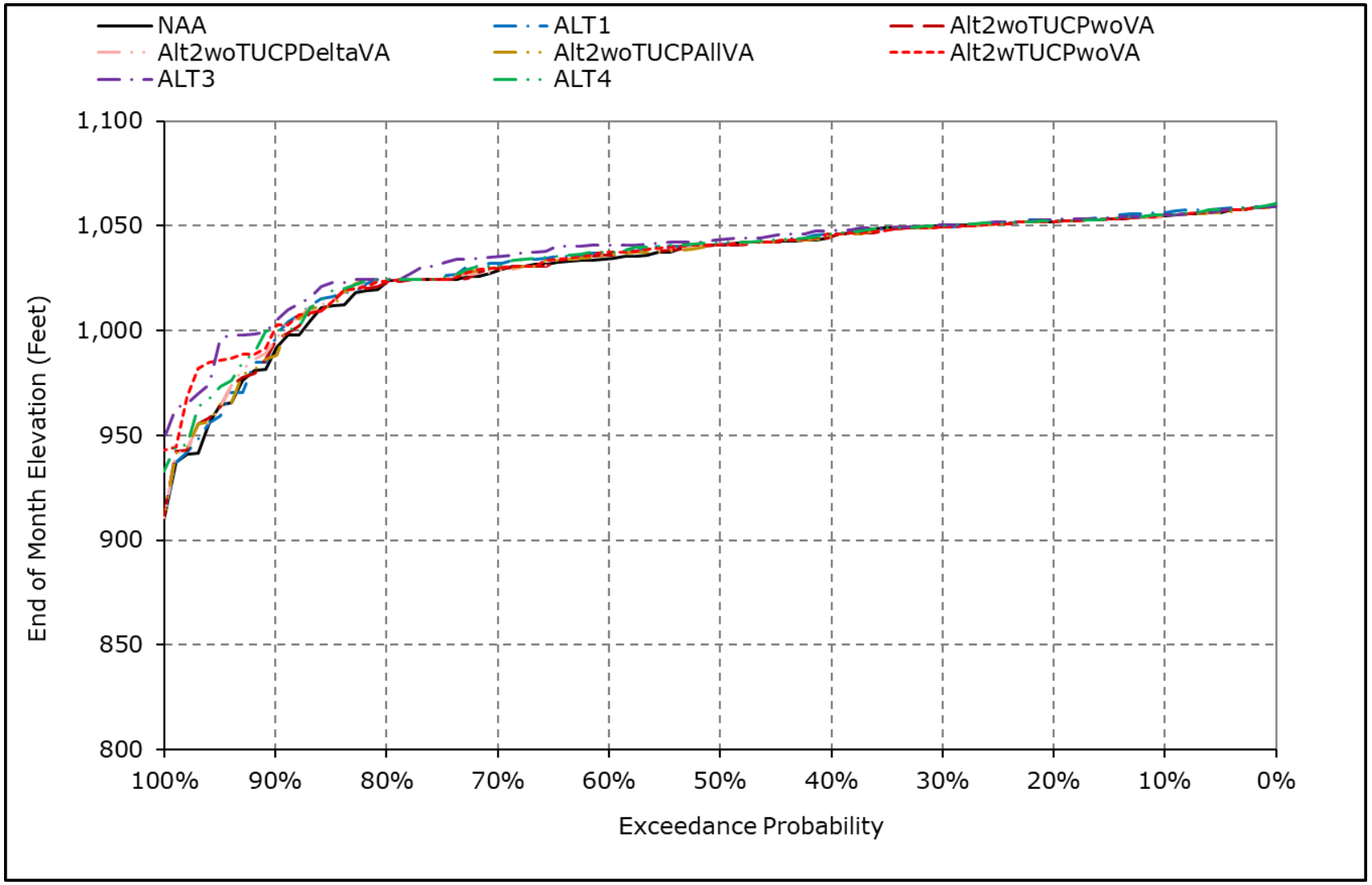
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-4. Shasta Lake Elevation, January



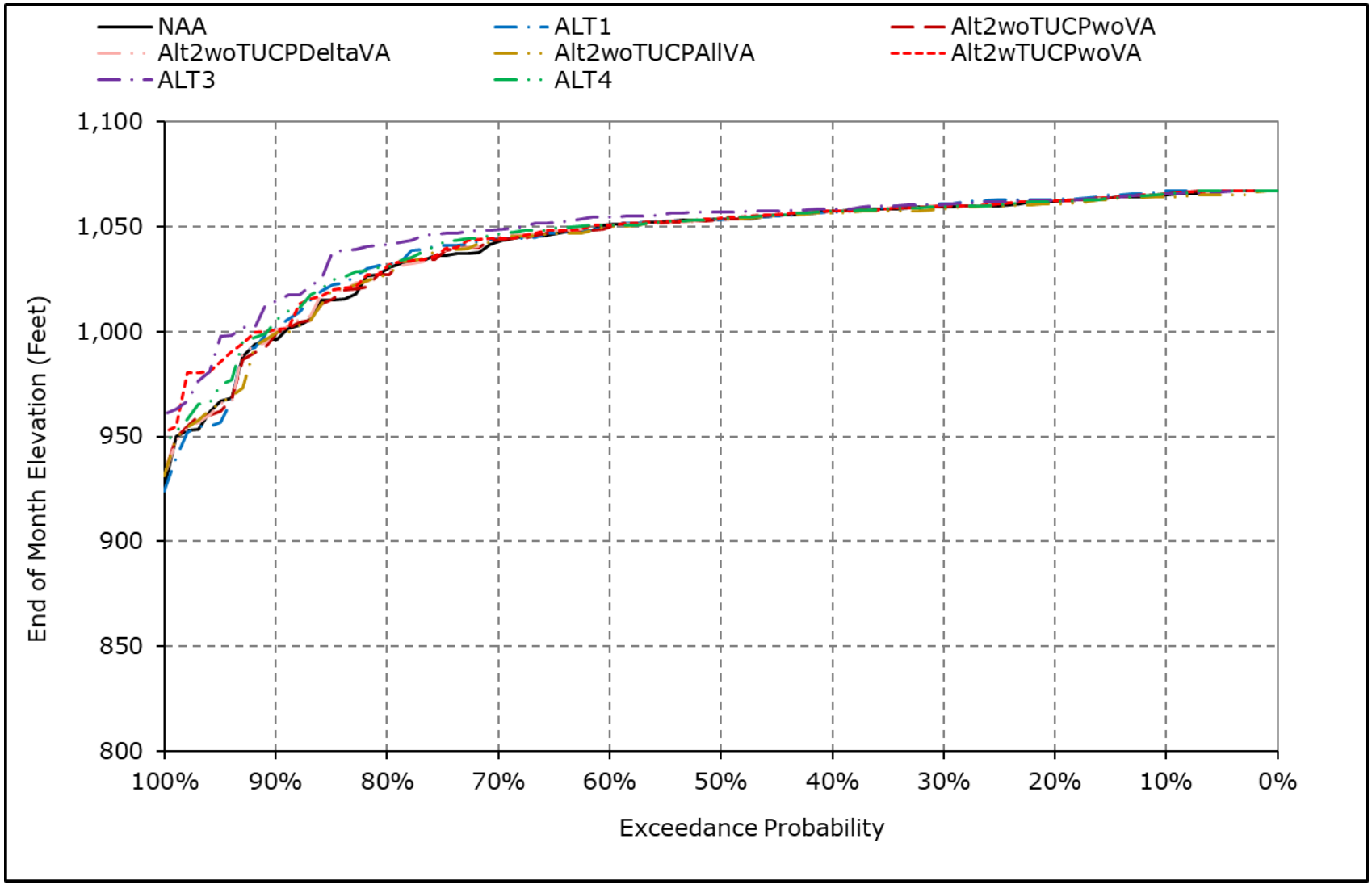
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-5. Shasta Lake Elevation, February



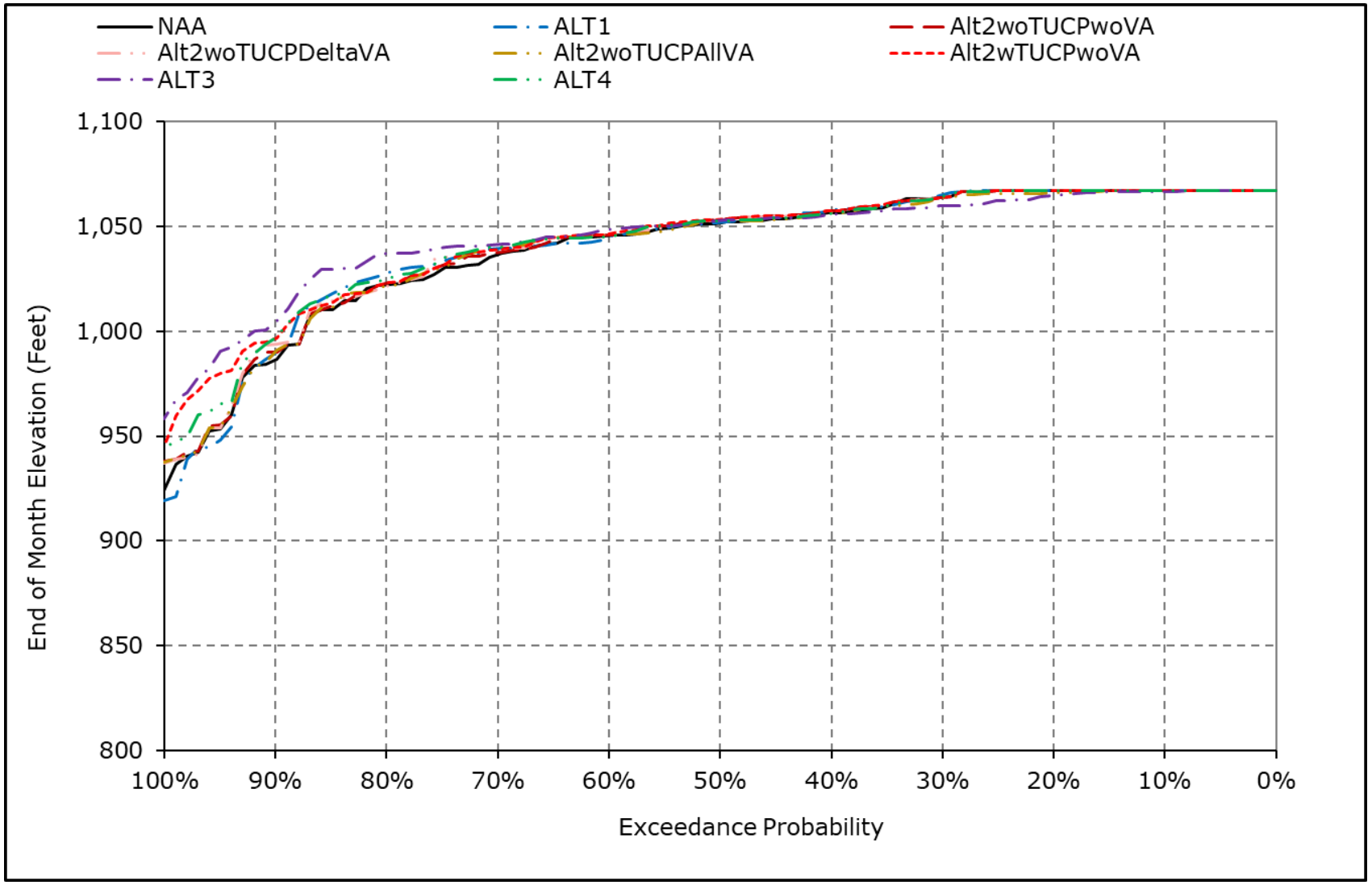
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-6. Shasta Lake Elevation, March



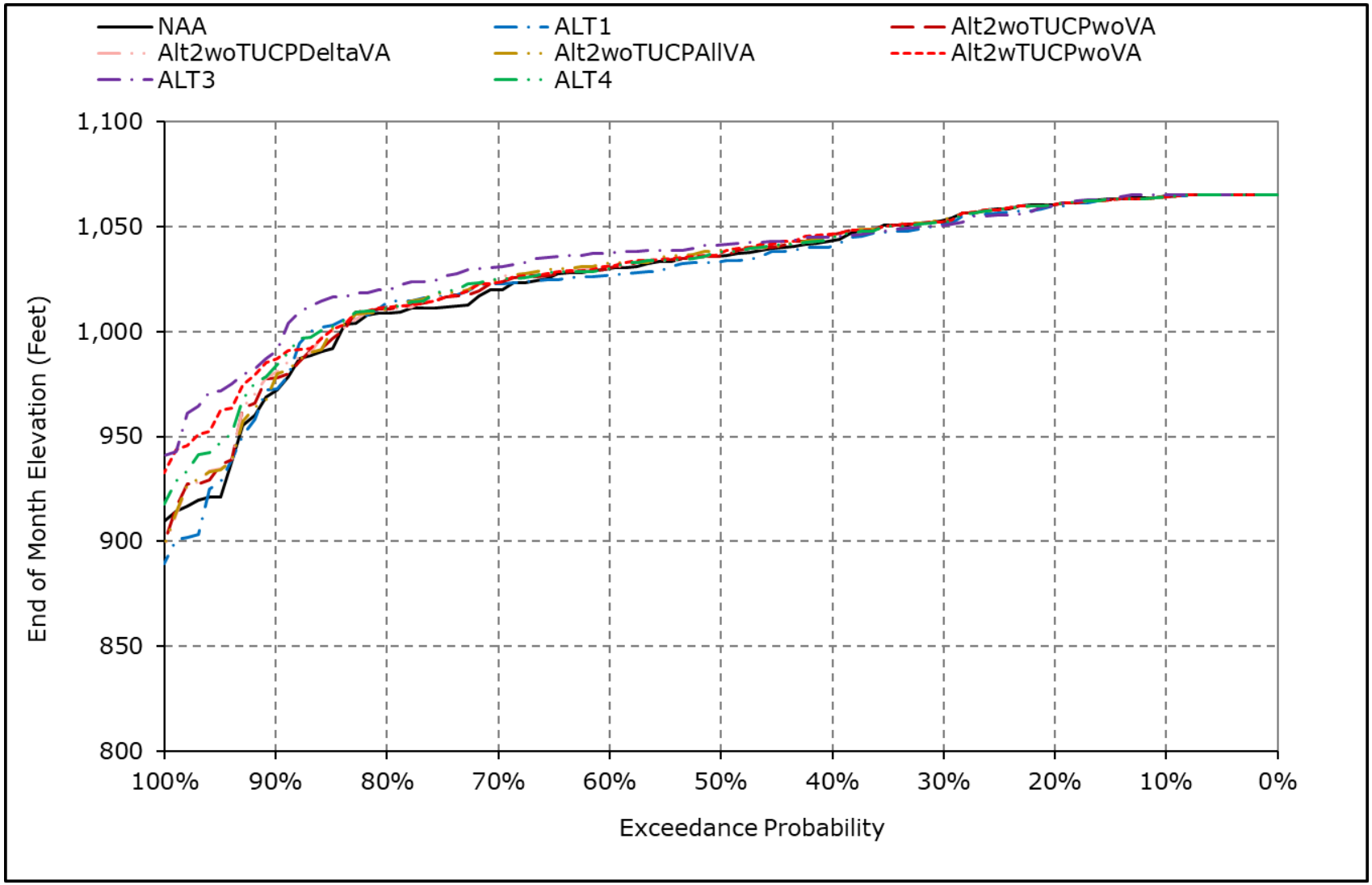
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-7. Shasta Lake Elevation, April



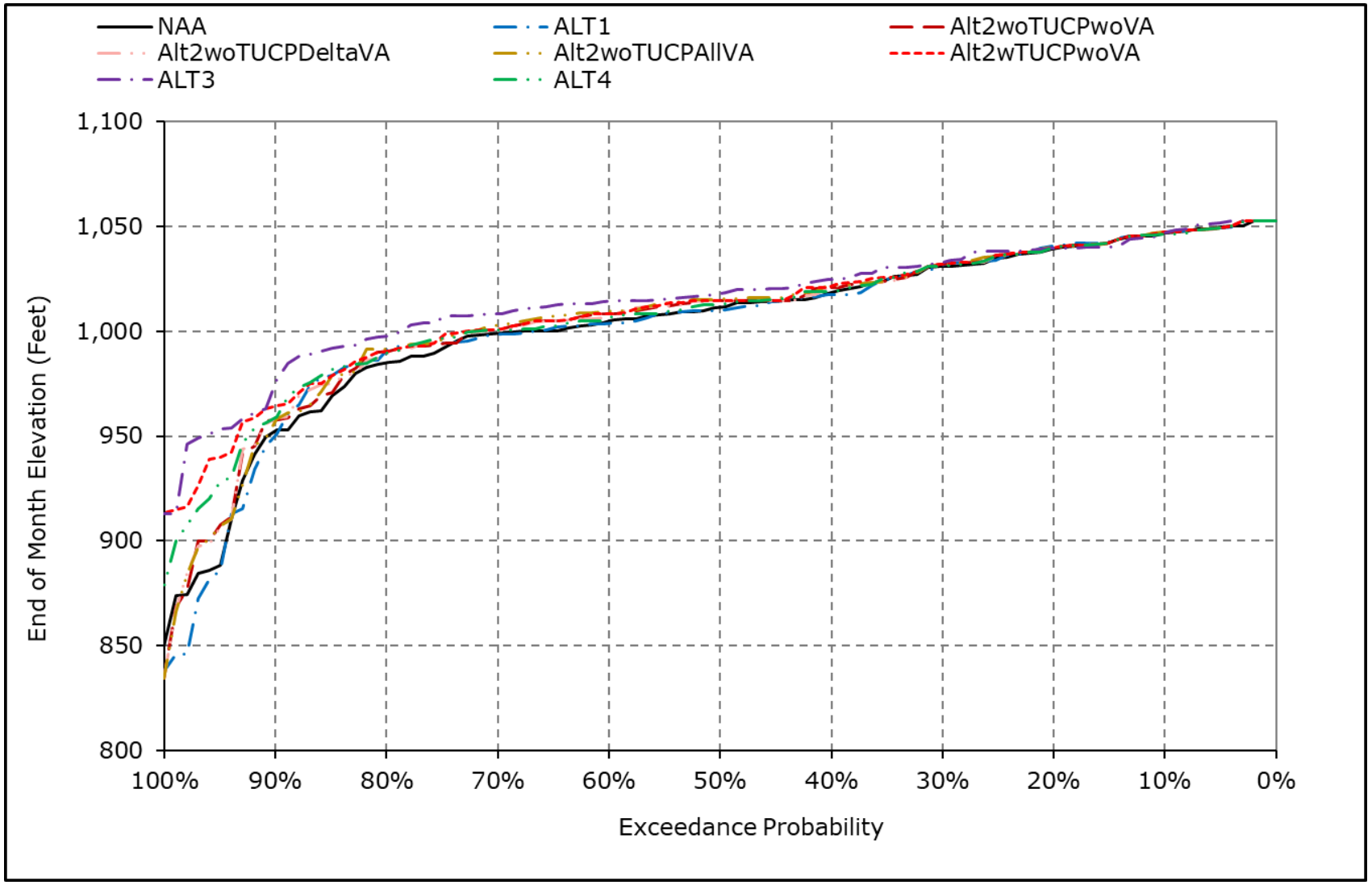
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-8. Shasta Lake Elevation, May



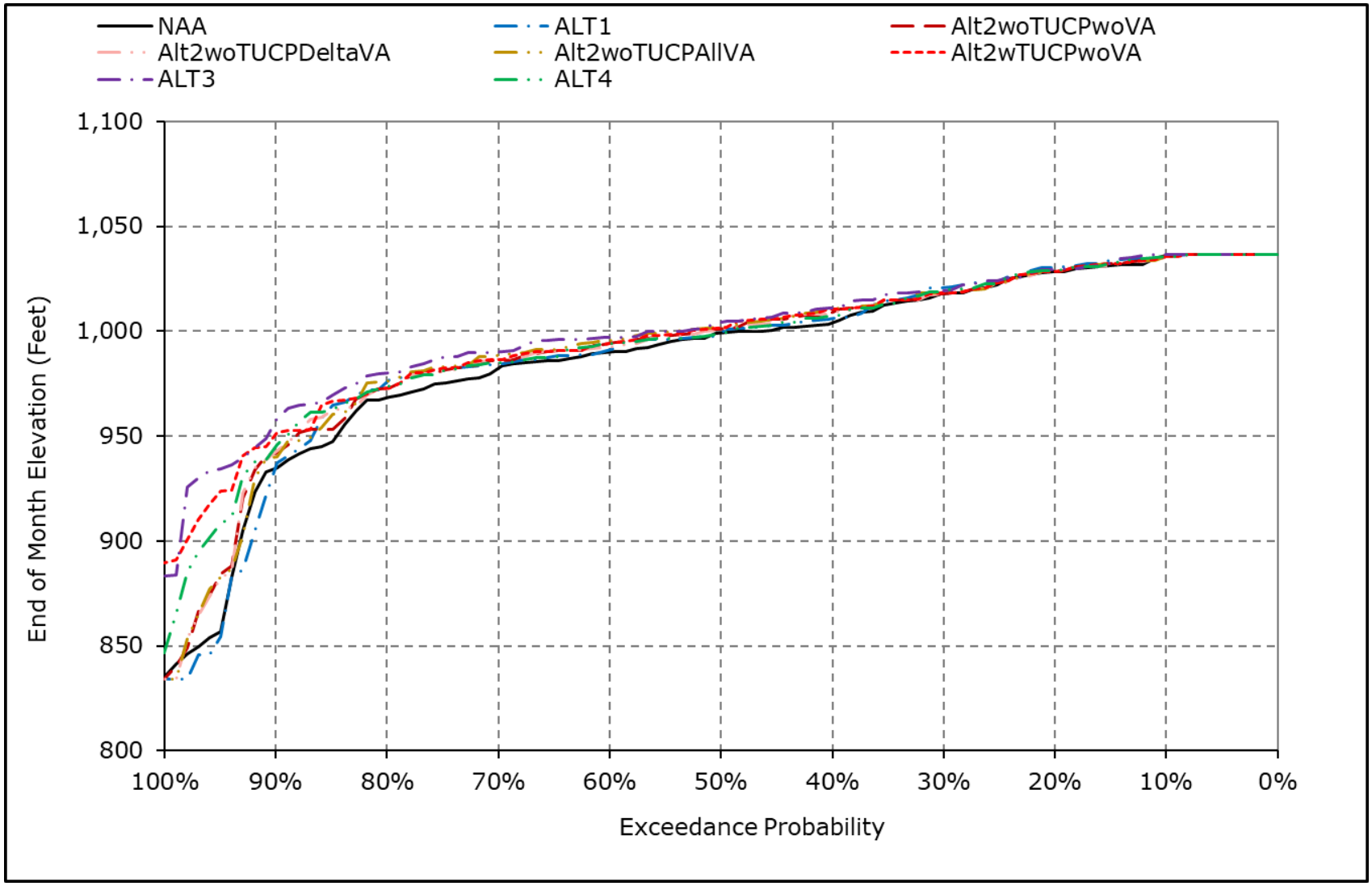
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-9. Shasta Lake Elevation, June



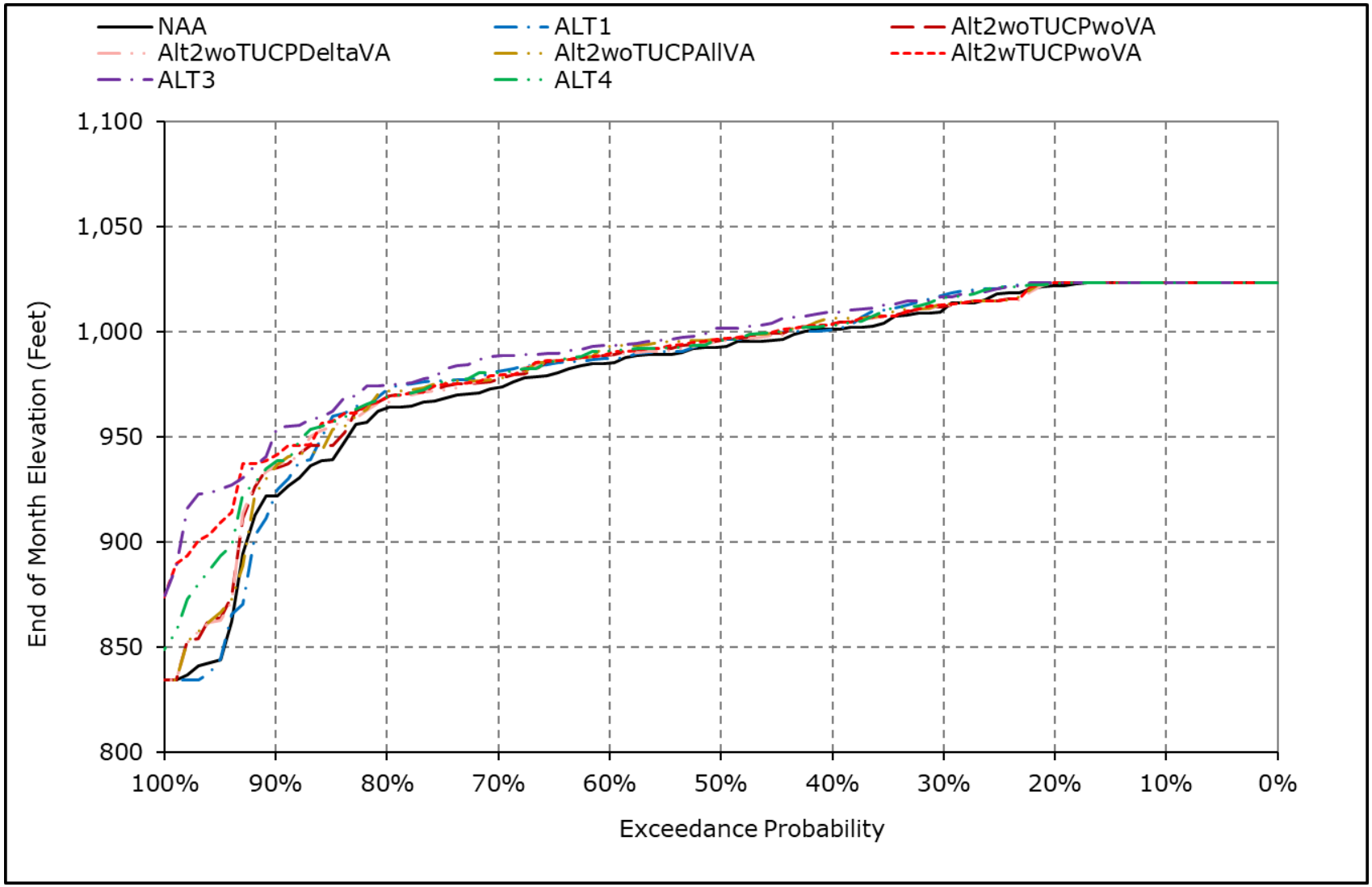
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-10. Shasta Lake Elevation, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-11. Shasta Lake Elevation, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-4-12. Shasta Lake Elevation, September

Table F.2.1-5-1a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-1b. Lake Oroville Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,513	2,623	2,788	2,875	2,968	3,058	3,352	3,538	3,538	2,963	2,634	2,626
20% Exceedance	2,162	2,245	2,732	2,788	2,817	3,001	3,297	3,538	3,387	2,818	2,370	2,213
30% Exceedance	1,943	1,982	2,345	2,787	2,788	2,936	3,278	3,372	3,107	2,585	2,183	1,997
40% Exceedance	1,732	1,832	2,101	2,496	2,788	2,823	3,209	3,208	2,949	2,329	1,892	1,816
50% Exceedance	1,596	1,603	1,861	2,046	2,455	2,788	3,100	3,059	2,836	2,206	1,711	1,626
60% Exceedance	1,580	1,558	1,616	1,772	2,137	2,581	2,760	2,794	2,550	1,951	1,592	1,594
70% Exceedance	1,464	1,471	1,496	1,602	1,909	2,296	2,517	2,352	2,098	1,592	1,521	1,518
80% Exceedance	1,248	1,205	1,409	1,493	1,682	1,960	2,062	2,040	1,756	1,490	1,321	1,324
90% Exceedance	1,023	939	1,023	1,223	1,431	1,631	1,773	1,718	1,592	1,262	1,056	1,040
Full Simulation Period Average[a]	1,689	1,710	1,900	2,086	2,306	2,520	2,764	2,792	2,589	2,104	1,795	1,743
Wet Water Years (28%)	2,353	2,356	2,446	2,733	2,875	2,930	3,291	3,452	3,356	2,849	2,515	2,460
Above Normal Water Years (14%)	1,825	1,835	1,991	2,170	2,585	2,951	3,284	3,354	3,133	2,538	2,062	1,904
Below Normal Water Years (18%)	1,636	1,647	1,966	2,174	2,372	2,650	2,949	2,938	2,698	2,137	1,753	1,691
Dry Water Years (24%)	1,447	1,533	1,776	1,705	1,986	2,298	2,461	2,414	2,146	1,689	1,474	1,471
Critical Water Years (16%)	767	740	911	1,351	1,472	1,612	1,635	1,547	1,313	1,005	832	814

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-1c. Lake Oroville Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	237	323	0	28	6	0	0	0	0	-14	121	281
20% Exceedance	182	148	255	0	28	11	-1	0	-39	-24	-5	155
30% Exceedance	39	81	82	216	0	7	0	7	-37	53	95	12
40% Exceedance	-16	10	89	123	111	32	-5	-9	-69	-47	-2	-58
50% Exceedance	-29	-37	32	-1	-1	21	55	19	7	22	-3	-32
60% Exceedance	13	-40	4	3	22	31	-34	-9	30	44	0	0
70% Exceedance	-14	3	-35	-14	30	102	4	-62	-16	-70	0	9
80% Exceedance	-30	-88	31	11	-65	-44	-47	-16	-125	-29	8	10
90% Exceedance	39	-27	-90	-80	-71	-156	-130	-92	-1	-42	-42	-30
Full Simulation Period Average[a]	40	37	22	9	5	-1	-13	-13	-40	-21	-1	30
Wet Water Years (28%)	206	201	173	-8	0	0	-1	-5	-36	-16	50	182
Above Normal Water Years (14%)	14	-1	-29	-63	-46	-5	-6	-10	-74	-43	-13	1
Below Normal Water Years (18%)	-31	-40	-33	105	43	-15	-19	11	-25	12	-9	-41
Dry Water Years (24%)	70	69	45	51	58	58	47	40	53	78	90	86
Critical Water Years (16%)	-209	-189	-183	-67	-66	-75	-123	-136	-174	-197	-205	-215

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-2a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-2b. Lake Oroville Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,206	2,275	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,963	2,539	2,327
20% Exceedance	2,027	2,104	2,466	2,788	2,789	2,969	3,298	3,538	3,410	2,855	2,366	2,074
30% Exceedance	1,879	1,939	2,264	2,614	2,788	2,930	3,278	3,365	3,155	2,547	2,110	1,971
40% Exceedance	1,766	1,833	2,028	2,352	2,693	2,792	3,209	3,228	3,038	2,400	1,896	1,869
50% Exceedance	1,623	1,654	1,850	1,995	2,444	2,781	3,031	3,029	2,790	2,169	1,739	1,697
60% Exceedance	1,574	1,598	1,633	1,742	2,093	2,501	2,711	2,772	2,512	1,927	1,592	1,594
70% Exceedance	1,485	1,471	1,509	1,599	1,877	2,213	2,509	2,379	2,097	1,627	1,507	1,516
80% Exceedance	1,269	1,219	1,381	1,446	1,666	1,902	2,026	2,020	1,770	1,515	1,338	1,339
90% Exceedance	950	894	979	1,211	1,475	1,668	1,707	1,630	1,544	1,214	1,001	976
Full Simulation Period Average[a]	1,631	1,659	1,863	2,057	2,281	2,501	2,749	2,781	2,599	2,103	1,779	1,691
Wet Water Years (28%)	2,144	2,155	2,283	2,743	2,875	2,930	3,292	3,455	3,375	2,857	2,463	2,274
Above Normal Water Years (14%)	1,795	1,819	2,001	2,211	2,603	2,956	3,290	3,363	3,207	2,591	2,086	1,883
Below Normal Water Years (18%)	1,673	1,694	2,003	2,053	2,315	2,641	2,944	2,931	2,723	2,128	1,762	1,743
Dry Water Years (24%)	1,432	1,522	1,774	1,645	1,921	2,232	2,408	2,368	2,096	1,647	1,444	1,443
Critical Water Years (16%)	779	752	919	1,347	1,460	1,600	1,620	1,541	1,322	1,012	837	820

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-2c. Lake Oroville Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-71	-25	0	0	0	0	0	0	0	-14	25	-18
20% Exceedance	47	8	-11	0	0	-21	0	0	-15	12	-9	16
30% Exceedance	-25	38	2	43	0	0	0	0	10	16	22	-14
40% Exceedance	18	12	16	-20	16	0	-4	11	20	24	2	-5
50% Exceedance	-2	14	21	-51	-12	14	-15	-10	-39	-14	25	39
60% Exceedance	8	-1	22	-27	-22	-49	-82	-32	-8	20	0	0
70% Exceedance	6	2	-23	-17	-2	19	-5	-34	-16	-36	-14	7
80% Exceedance	-10	-74	3	-36	-80	-102	-83	-36	-110	-4	26	25
90% Exceedance	-34	-72	-134	-92	-27	-118	-197	-179	-50	-90	-97	-93
Full Simulation Period Average[a]	-18	-14	-15	-19	-21	-20	-28	-24	-30	-22	-17	-22
Wet Water Years (28%)	-4	0	10	2	0	0	0	-3	-16	-8	-2	-4
Above Normal Water Years (14%)	-15	-17	-20	-22	-28	0	0	-1	0	10	11	-19
Below Normal Water Years (18%)	7	6	4	-16	-14	-25	-24	5	1	3	0	11
Dry Water Years (24%)	56	58	43	-9	-7	-8	-6	-7	2	36	59	58
Critical Water Years (16%)	-197	-178	-175	-72	-78	-87	-137	-141	-165	-190	-200	-209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-3a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-3b. Lake Oroville Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,205	2,249	2,788	2,847	2,962	3,042	3,352	3,538	3,538	2,963	2,554	2,325
20% Exceedance	1,992	2,103	2,465	2,788	2,788	2,969	3,298	3,538	3,409	2,842	2,364	2,049
30% Exceedance	1,880	1,921	2,237	2,600	2,788	2,930	3,278	3,365	3,166	2,540	2,102	1,947
40% Exceedance	1,751	1,813	1,952	2,329	2,658	2,798	3,209	3,226	3,035	2,399	1,916	1,858
50% Exceedance	1,622	1,634	1,873	1,984	2,425	2,788	3,021	2,992	2,762	2,151	1,731	1,699
60% Exceedance	1,518	1,560	1,618	1,719	2,052	2,479	2,673	2,765	2,523	1,877	1,565	1,572
70% Exceedance	1,361	1,361	1,462	1,587	1,877	2,204	2,480	2,368	2,083	1,633	1,389	1,401
80% Exceedance	1,126	1,101	1,241	1,399	1,599	1,876	2,015	1,999	1,756	1,420	1,167	1,169
90% Exceedance	862	845	897	1,130	1,429	1,598	1,678	1,593	1,422	1,087	890	857
Full Simulation Period Average[a]	1,585	1,613	1,823	2,023	2,252	2,478	2,728	2,762	2,582	2,073	1,738	1,643
Wet Water Years (28%)	2,133	2,141	2,276	2,738	2,875	2,930	3,292	3,456	3,377	2,855	2,463	2,263
Above Normal Water Years (14%)	1,777	1,802	1,987	2,176	2,569	2,953	3,290	3,363	3,210	2,592	2,087	1,859
Below Normal Water Years (18%)	1,620	1,638	1,950	2,011	2,285	2,619	2,925	2,920	2,706	2,108	1,718	1,701
Dry Water Years (24%)	1,364	1,452	1,710	1,613	1,890	2,201	2,378	2,340	2,079	1,607	1,372	1,372
Critical Water Years (16%)	684	664	842	1,267	1,391	1,527	1,554	1,475	1,255	911	737	712

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-3c. Lake Oroville Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-71	-51	0	0	0	-16	0	0	0	-13	41	-20
20% Exceedance	12	7	-13	0	-1	-21	0	0	-16	-1	-11	-9
30% Exceedance	-24	20	-26	29	0	0	0	0	22	9	14	-38
40% Exceedance	2	-8	-60	-44	-20	6	-4	9	17	23	22	-16
50% Exceedance	-3	-6	44	-63	-31	21	-25	-47	-67	-33	16	41
60% Exceedance	-49	-38	7	-51	-62	-71	-120	-38	4	-30	-27	-23
70% Exceedance	-117	-107	-70	-29	-2	10	-34	-45	-31	-29	-132	-108
80% Exceedance	-152	-192	-137	-83	-147	-128	-94	-57	-124	-100	-146	-145
90% Exceedance	-122	-121	-216	-173	-73	-188	-225	-216	-172	-217	-208	-212
Full Simulation Period Average[a]	-64	-61	-56	-53	-49	-43	-49	-43	-47	-52	-58	-70
Wet Water Years (28%)	-15	-14	3	-3	0	0	0	-1	-15	-10	-3	-15
Above Normal Water Years (14%)	-34	-34	-33	-57	-62	-3	0	-1	3	11	12	-44
Below Normal Water Years (18%)	-46	-50	-49	-58	-44	-46	-44	-7	-17	-17	-44	-31
Dry Water Years (24%)	-13	-12	-21	-42	-38	-39	-36	-35	-15	-3	-12	-13
Critical Water Years (16%)	-292	-265	-252	-151	-147	-160	-203	-208	-232	-290	-301	-317

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-4a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-4b. Lake Oroville Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,206	2,282	2,764	2,824	2,942	3,042	3,349	3,538	3,538	2,962	2,536	2,326
20% Exceedance	2,006	2,104	2,467	2,767	2,788	2,956	3,291	3,484	3,394	2,817	2,360	2,044
30% Exceedance	1,867	1,904	2,252	2,587	2,762	2,924	3,254	3,326	3,155	2,522	2,097	1,933
40% Exceedance	1,736	1,807	1,957	2,333	2,630	2,798	3,184	3,190	3,016	2,378	1,914	1,837
50% Exceedance	1,628	1,611	1,851	1,986	2,411	2,788	2,991	2,983	2,760	2,159	1,736	1,689
60% Exceedance	1,520	1,539	1,614	1,724	2,042	2,485	2,646	2,706	2,490	1,883	1,538	1,538
70% Exceedance	1,353	1,346	1,465	1,571	1,868	2,190	2,441	2,311	2,032	1,590	1,386	1,371
80% Exceedance	1,151	1,111	1,246	1,394	1,602	1,872	1,971	1,982	1,732	1,438	1,168	1,162
90% Exceedance	826	808	889	1,117	1,403	1,595	1,688	1,590	1,433	1,008	806	807
Full Simulation Period Average[a]	1,576	1,604	1,817	2,014	2,239	2,472	2,706	2,732	2,562	2,061	1,726	1,634
Wet Water Years (28%)	2,135	2,143	2,279	2,726	2,860	2,930	3,288	3,450	3,372	2,851	2,457	2,265
Above Normal Water Years (14%)	1,763	1,791	1,976	2,160	2,551	2,948	3,264	3,315	3,180	2,564	2,065	1,847
Below Normal Water Years (18%)	1,605	1,621	1,944	2,011	2,282	2,618	2,891	2,874	2,685	2,099	1,704	1,679
Dry Water Years (24%)	1,357	1,448	1,703	1,604	1,880	2,192	2,346	2,300	2,048	1,594	1,365	1,363
Critical Water Years (16%)	659	644	826	1,257	1,372	1,508	1,534	1,453	1,236	894	718	698

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-4c. Lake Oroville Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-70	-18	-24	-23	-20	-16	-3	0	0	-15	22	-19
20% Exceedance	25	8	-10	-21	-1	-33	-6	-54	-31	-26	-15	-14
30% Exceedance	-36	3	-11	16	-26	-6	-24	-39	11	-9	9	-52
40% Exceedance	-12	-14	-55	-40	-47	6	-29	-27	-3	2	20	-37
50% Exceedance	2	-29	22	-60	-45	21	-55	-56	-68	-25	22	31
60% Exceedance	-46	-59	3	-46	-73	-65	-147	-97	-29	-24	-54	-56
70% Exceedance	-125	-123	-66	-45	-11	-4	-73	-103	-82	-72	-136	-138
80% Exceedance	-127	-182	-132	-87	-144	-132	-138	-74	-148	-81	-145	-152
90% Exceedance	-158	-158	-223	-186	-98	-191	-216	-219	-160	-296	-292	-262
Full Simulation Period Average[a]	-74	-69	-61	-63	-62	-50	-71	-73	-67	-64	-70	-79
Wet Water Years (28%)	-13	-12	6	-15	-15	0	-4	-8	-20	-14	-8	-13
Above Normal Water Years (14%)	-47	-45	-44	-74	-80	-8	-26	-48	-26	-17	-10	-56
Below Normal Water Years (18%)	-62	-67	-55	-58	-47	-47	-77	-52	-38	-26	-57	-52
Dry Water Years (24%)	-20	-17	-27	-51	-48	-47	-69	-75	-46	-17	-19	-22
Critical Water Years (16%)	-317	-285	-268	-161	-166	-179	-224	-230	-251	-308	-320	-331

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-5a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-5b. Lake Oroville Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,206	2,275	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,963	2,541	2,324
20% Exceedance	2,028	2,102	2,467	2,788	2,789	2,989	3,298	3,538	3,410	2,852	2,367	2,073
30% Exceedance	1,879	1,939	2,272	2,614	2,788	2,930	3,278	3,365	3,155	2,547	2,110	1,971
40% Exceedance	1,779	1,831	2,047	2,365	2,693	2,792	3,213	3,221	3,038	2,400	1,921	1,863
50% Exceedance	1,642	1,669	1,849	2,045	2,444	2,781	3,069	3,068	2,823	2,220	1,759	1,716
60% Exceedance	1,596	1,598	1,645	1,765	2,127	2,538	2,774	2,818	2,571	1,957	1,593	1,594
70% Exceedance	1,499	1,483	1,565	1,632	1,906	2,238	2,548	2,430	2,116	1,685	1,549	1,552
80% Exceedance	1,310	1,292	1,405	1,499	1,753	2,046	2,117	2,089	1,835	1,550	1,382	1,372
90% Exceedance	1,034	948	1,103	1,365	1,518	1,757	1,827	1,737	1,592	1,300	1,095	1,067
Full Simulation Period Average[a]	1,663	1,689	1,892	2,085	2,308	2,529	2,782	2,813	2,635	2,141	1,813	1,726
Wet Water Years (28%)	2,144	2,155	2,283	2,744	2,875	2,930	3,292	3,455	3,376	2,857	2,464	2,274
Above Normal Water Years (14%)	1,794	1,818	1,999	2,223	2,618	2,956	3,290	3,363	3,207	2,591	2,086	1,884
Below Normal Water Years (18%)	1,682	1,701	2,011	2,109	2,364	2,692	2,991	2,978	2,770	2,162	1,774	1,752
Dry Water Years (24%)	1,436	1,526	1,777	1,656	1,931	2,243	2,419	2,378	2,107	1,652	1,448	1,447
Critical Water Years (16%)	977	935	1,096	1,429	1,544	1,697	1,752	1,676	1,479	1,200	1,028	1,019

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-5c. Lake Oroville Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-70	-25	0	0	0	0	0	0	0	-14	28	-21
20% Exceedance	48	6	-11	0	0	0	0	0	-15	9	-8	15
30% Exceedance	-25	38	9	43	0	0	0	0	10	16	22	-14
40% Exceedance	30	9	35	-8	16	0	0	4	20	25	26	-11
50% Exceedance	16	28	20	-1	-12	14	23	29	-6	36	45	59
60% Exceedance	30	0	33	-4	12	-12	-19	15	51	51	1	0
70% Exceedance	21	15	33	16	27	44	34	16	2	23	28	43
80% Exceedance	32	-1	27	17	7	42	8	33	-45	31	70	58
90% Exceedance	50	-17	-9	62	16	-29	-76	-73	-1	-5	-3	-2
Full Simulation Period Average[a]	14	15	13	9	6	7	5	8	6	16	17	13
Wet Water Years (28%)	-4	0	10	4	0	0	0	-3	-16	-8	-2	-4
Above Normal Water Years (14%)	-17	-18	-21	-10	-13	0	0	-1	1	10	12	-19
Below Normal Water Years (18%)	16	13	13	40	35	27	23	52	47	37	13	20
Dry Water Years (24%)	60	62	46	1	3	3	5	4	14	41	63	61
Critical Water Years (16%)	1	5	2	11	6	11	-5	-7	-8	-2	-9	-10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-6a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-6b. Lake Oroville Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,978	2,974	2,967	2,945	3,020	3,059	3,259	3,329	3,482	3,292	3,211	3,107
20% Exceedance	2,728	2,832	2,822	2,860	2,951	3,009	3,207	3,184	3,175	2,961	2,835	2,765
30% Exceedance	2,544	2,586	2,788	2,788	2,789	2,936	3,141	3,078	3,030	2,786	2,660	2,559
40% Exceedance	2,336	2,396	2,552	2,759	2,788	2,843	3,104	2,988	2,897	2,680	2,553	2,427
50% Exceedance	2,261	2,252	2,405	2,543	2,719	2,788	3,011	2,889	2,785	2,555	2,380	2,319
60% Exceedance	2,006	2,055	2,101	2,233	2,474	2,627	2,792	2,642	2,524	2,313	2,135	2,007
70% Exceedance	1,681	1,761	1,863	1,998	2,302	2,488	2,574	2,477	2,295	1,947	1,713	1,679
80% Exceedance	1,569	1,529	1,571	1,660	2,089	2,305	2,450	2,318	2,103	1,815	1,593	1,592
90% Exceedance	1,299	1,247	1,270	1,469	1,604	1,908	2,125	2,022	1,926	1,591	1,372	1,368
Full Simulation Period Average[a]	2,149	2,161	2,230	2,333	2,487	2,631	2,794	2,740	2,660	2,414	2,256	2,199
Wet Water Years (28%)	2,784	2,781	2,769	2,786	2,870	2,921	3,201	3,194	3,252	3,045	2,961	2,897
Above Normal Water Years (14%)	2,464	2,446	2,523	2,406	2,653	2,872	3,074	3,003	2,984	2,796	2,671	2,548
Below Normal Water Years (18%)	2,267	2,288	2,405	2,501	2,631	2,797	2,944	2,868	2,789	2,565	2,396	2,337
Dry Water Years (24%)	1,694	1,775	1,906	2,044	2,277	2,500	2,600	2,517	2,312	1,988	1,752	1,702
Critical Water Years (16%)	1,237	1,187	1,237	1,719	1,822	1,923	1,958	1,910	1,720	1,442	1,259	1,259

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-6c. Lake Oroville Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	701	674	179	98	57	1	-93	-209	-56	315	697	762
20% Exceedance	748	736	345	72	162	20	-91	-354	-250	119	460	707
30% Exceedance	640	685	525	216	1	7	-137	-287	-114	254	572	573
40% Exceedance	587	575	540	386	111	52	-109	-229	-122	305	658	552
50% Exceedance	636	611	576	496	263	21	-35	-150	-43	371	666	662
60% Exceedance	439	457	490	464	359	77	-1	-161	4	407	543	413
70% Exceedance	202	293	332	382	422	295	61	64	181	285	192	171
80% Exceedance	291	236	193	179	343	301	341	262	223	296	280	278
90% Exceedance	315	281	158	166	102	122	222	212	333	287	274	299
Full Simulation Period Average[a]	500	488	351	256	185	110	16	-64	31	289	460	485
Wet Water Years (28%)	636	626	496	45	-5	-8	-91	-264	-139	180	495	619
Above Normal Water Years (14%)	653	610	503	173	22	-84	-216	-361	-223	215	596	645
Below Normal Water Years (18%)	601	600	406	432	302	131	-25	-58	66	440	634	606
Dry Water Years (24%)	317	311	176	389	349	260	186	142	218	377	368	317
Critical Water Years (16%)	261	257	143	301	284	237	200	227	234	241	221	230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-7a. Lake Oroville Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,277	2,300	2,788	2,847	2,962	3,058	3,352	3,538	3,538	2,977	2,513	2,345
20% Exceedance	1,980	2,096	2,477	2,788	2,789	2,989	3,298	3,538	3,425	2,842	2,375	2,058
30% Exceedance	1,904	1,901	2,263	2,572	2,788	2,930	3,278	3,365	3,144	2,531	2,088	1,985
40% Exceedance	1,748	1,821	2,012	2,373	2,677	2,792	3,213	3,217	3,018	2,376	1,894	1,874
50% Exceedance	1,625	1,640	1,829	2,047	2,456	2,767	3,046	3,039	2,828	2,184	1,714	1,657
60% Exceedance	1,567	1,598	1,611	1,769	2,115	2,550	2,793	2,803	2,519	1,907	1,592	1,594
70% Exceedance	1,478	1,468	1,532	1,616	1,879	2,193	2,514	2,413	2,114	1,662	1,521	1,509
80% Exceedance	1,278	1,293	1,378	1,482	1,746	2,004	2,109	2,056	1,880	1,519	1,313	1,314
90% Exceedance	984	966	1,112	1,303	1,502	1,787	1,904	1,810	1,593	1,304	1,098	1,069
Full Simulation Period Average[a]	1,650	1,673	1,879	2,077	2,301	2,521	2,777	2,805	2,629	2,125	1,796	1,713
Wet Water Years (28%)	2,147	2,155	2,273	2,741	2,875	2,930	3,292	3,457	3,391	2,865	2,466	2,278
Above Normal Water Years (14%)	1,811	1,836	2,020	2,233	2,631	2,956	3,290	3,364	3,207	2,581	2,075	1,903
Below Normal Water Years (18%)	1,666	1,687	1,999	2,069	2,329	2,666	2,968	2,926	2,723	2,125	1,762	1,732
Dry Water Years (24%)	1,376	1,464	1,730	1,655	1,928	2,240	2,414	2,374	2,094	1,611	1,384	1,385
Critical Water Years (16%)	976	929	1,094	1,418	1,538	1,686	1,758	1,683	1,486	1,202	1,038	1,029

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-7b. Lake Oroville Storage, Alternative 4, End-of-Month Storage (TAF)

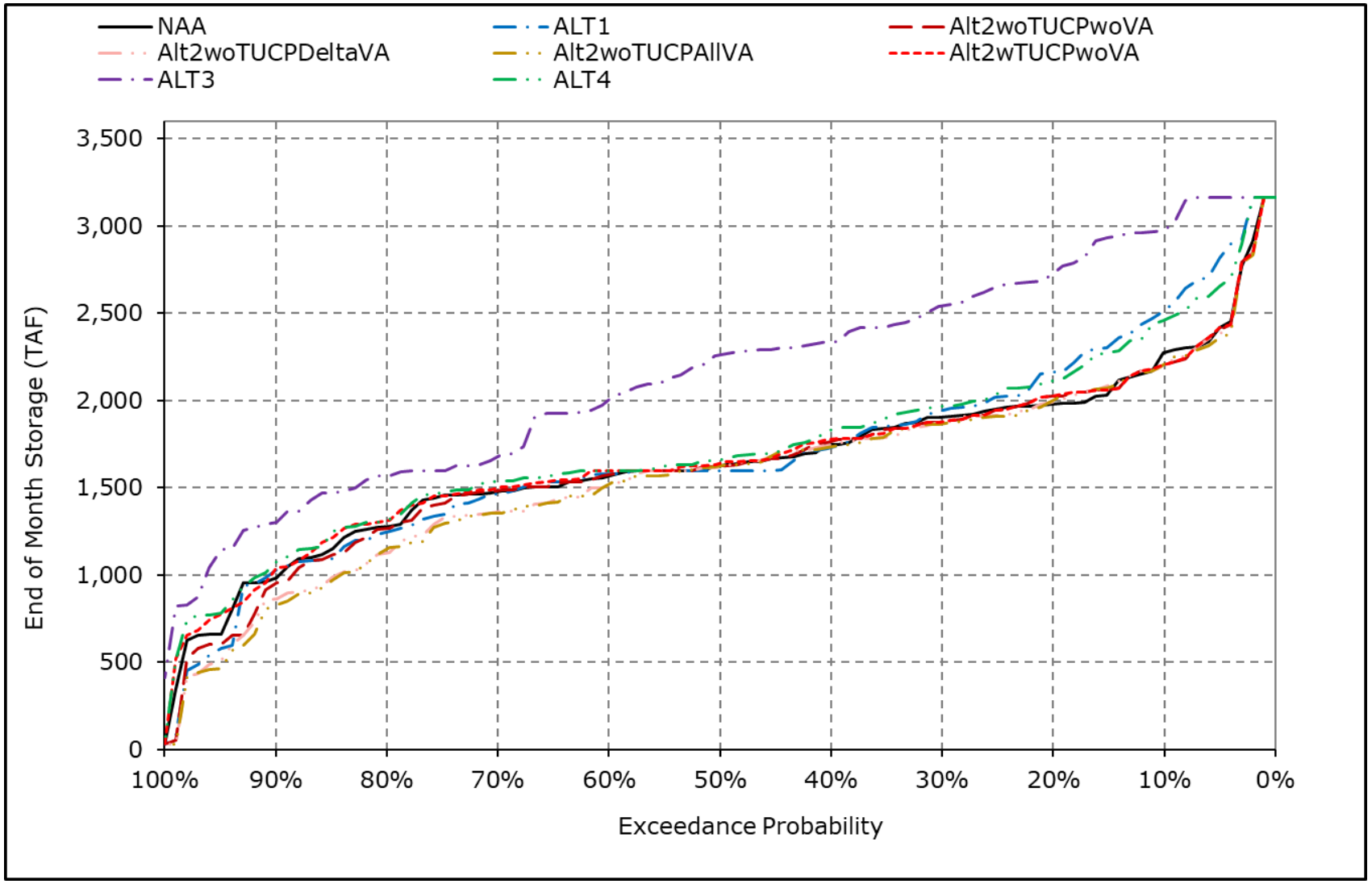
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,461	2,530	2,788	2,868	2,968	3,058	3,352	3,538	3,538	2,964	2,619	2,566
20% Exceedance	2,112	2,281	2,647	2,788	2,815	2,996	3,298	3,538	3,414	2,863	2,408	2,137
30% Exceedance	1,968	2,023	2,353	2,727	2,788	2,937	3,278	3,365	3,172	2,555	2,126	2,045
40% Exceedance	1,830	1,885	2,083	2,525	2,788	2,806	3,218	3,216	3,039	2,403	1,934	1,910
50% Exceedance	1,660	1,717	1,922	2,068	2,547	2,788	3,108	3,081	2,845	2,243	1,766	1,733
60% Exceedance	1,596	1,599	1,709	1,838	2,178	2,624	2,846	2,864	2,596	2,002	1,602	1,630
70% Exceedance	1,539	1,523	1,561	1,677	1,974	2,289	2,593	2,486	2,175	1,732	1,592	1,586
80% Exceedance	1,318	1,262	1,468	1,504	1,828	2,117	2,182	2,110	1,891	1,568	1,394	1,386
90% Exceedance	1,071	1,012	1,108	1,383	1,571	1,757	1,824	1,774	1,593	1,306	1,090	1,068
Full Simulation Period Average[a]	1,734	1,759	1,953	2,134	2,346	2,557	2,809	2,841	2,665	2,161	1,844	1,791
Wet Water Years (28%)	2,319	2,331	2,426	2,748	2,875	2,930	3,292	3,455	3,378	2,857	2,509	2,427
Above Normal Water Years (14%)	1,865	1,888	2,069	2,265	2,646	2,956	3,290	3,364	3,208	2,595	2,124	1,952
Below Normal Water Years (18%)	1,701	1,719	2,038	2,240	2,457	2,752	3,049	3,038	2,834	2,215	1,802	1,780
Dry Water Years (24%)	1,456	1,543	1,788	1,717	1,991	2,303	2,475	2,431	2,164	1,680	1,466	1,465
Critical Water Years (16%)	995	952	1,114	1,450	1,567	1,718	1,775	1,702	1,504	1,223	1,049	1,039

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-5-7c. Lake Oroville Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

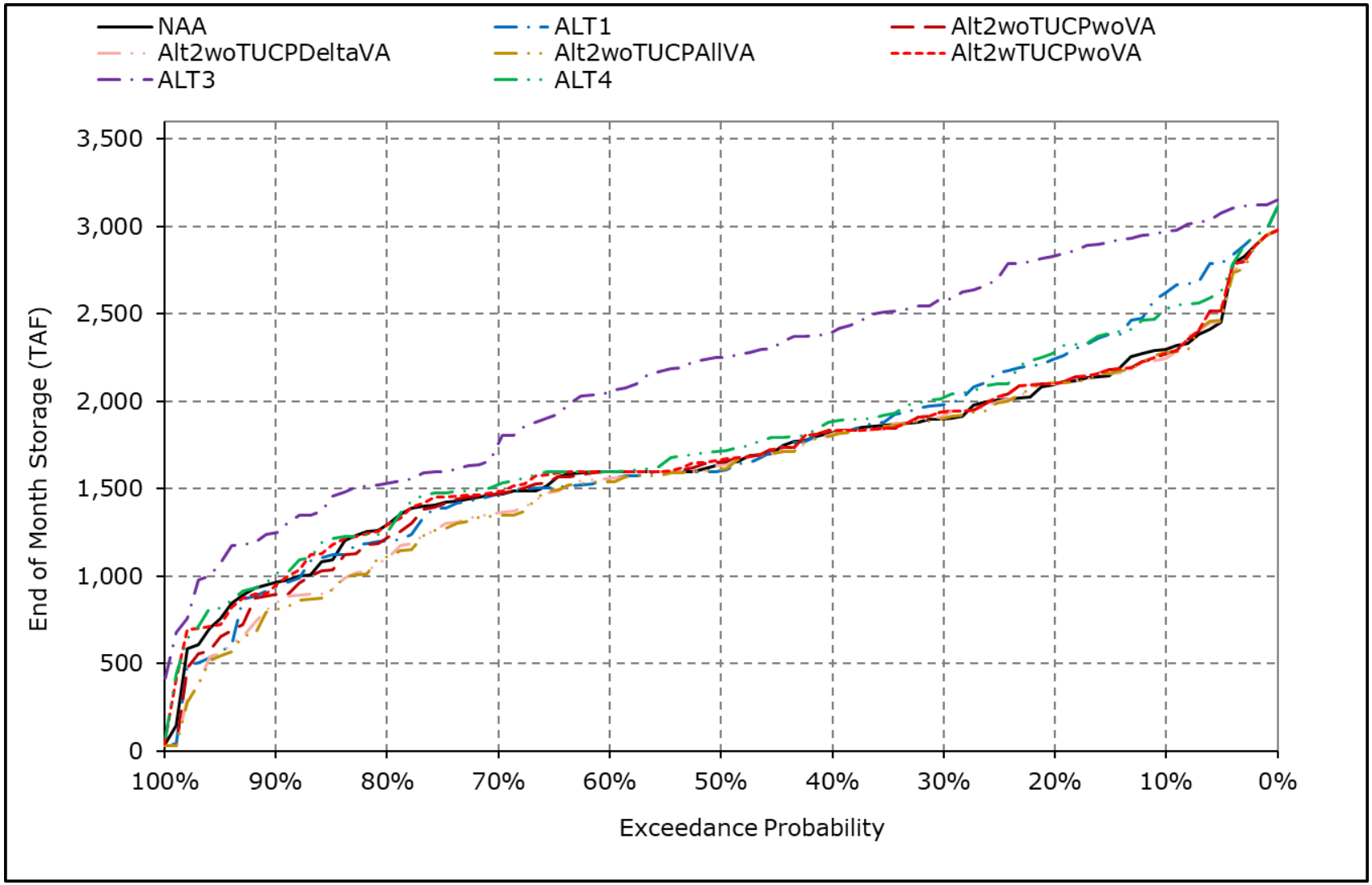
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	231	0	22	6	0	0	0	0	-13	106	222
20% Exceedance	132	185	169	0	27	6	0	0	-12	20	34	78
30% Exceedance	64	122	91	156	0	7	0	0	27	24	38	60
40% Exceedance	82	63	71	152	111	15	5	-1	21	27	40	36
50% Exceedance	35	77	93	21	91	21	62	41	17	60	51	76
60% Exceedance	30	1	98	69	63	74	52	61	77	95	10	36
70% Exceedance	60	55	30	61	95	95	79	72	61	70	70	77
80% Exceedance	40	-31	90	22	81	113	73	54	11	49	81	72
90% Exceedance	87	46	-4	80	70	-29	-80	-35	0	1	-8	-1
Full Simulation Period Average[a]	84	85	74	57	45	36	32	36	36	36	48	78
Wet Water Years (28%)	172	176	153	7	0	0	0	-3	-14	-8	44	149
Above Normal Water Years (14%)	54	52	48	32	15	0	0	0	2	14	49	49
Below Normal Water Years (18%)	34	32	39	171	128	87	80	112	111	90	40	48
Dry Water Years (24%)	79	79	57	62	63	63	61	57	71	69	82	80
Critical Water Years (16%)	19	23	20	32	29	31	17	19	17	21	11	10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



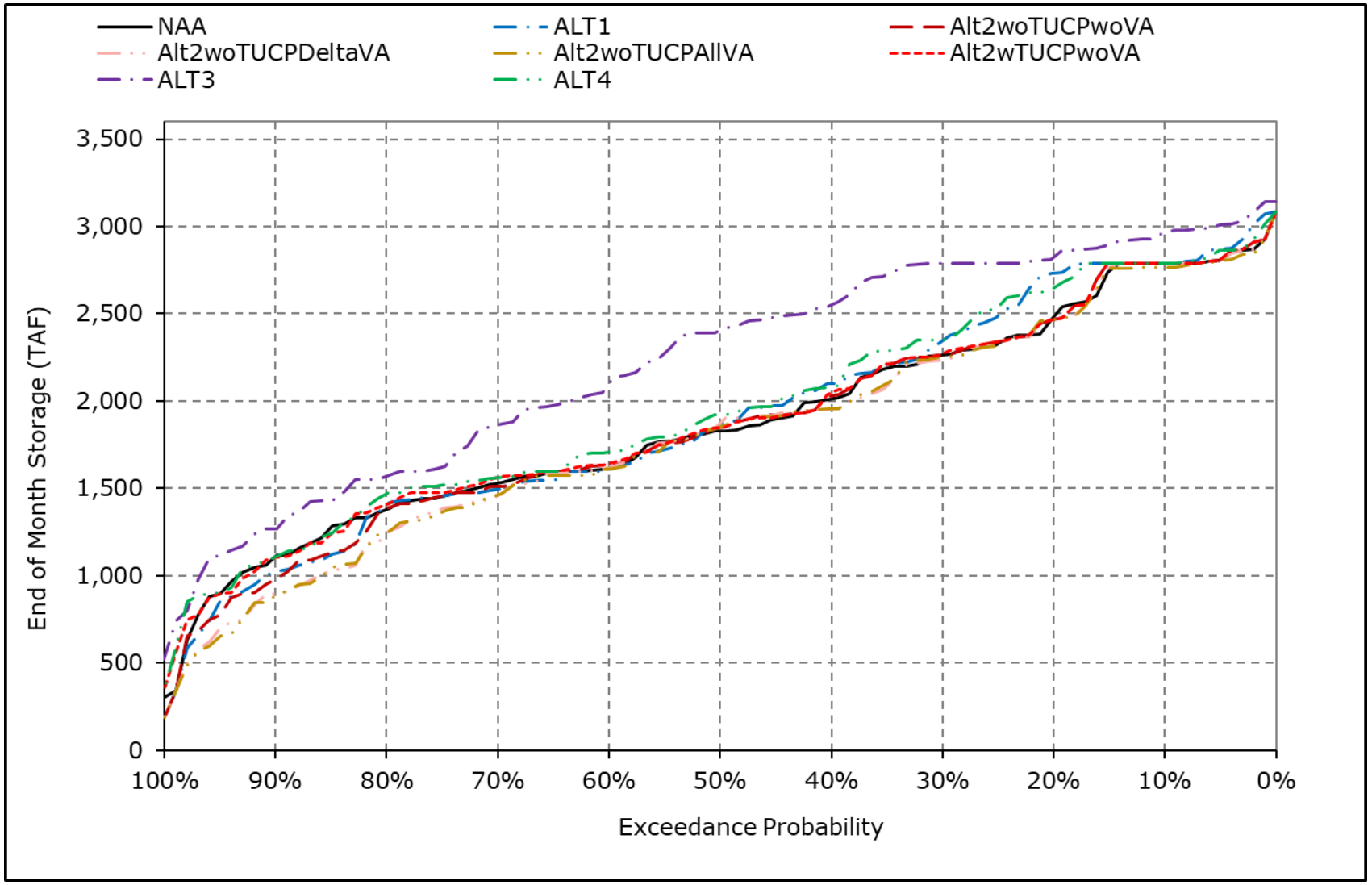
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-1. Lake Oroville Storage, October



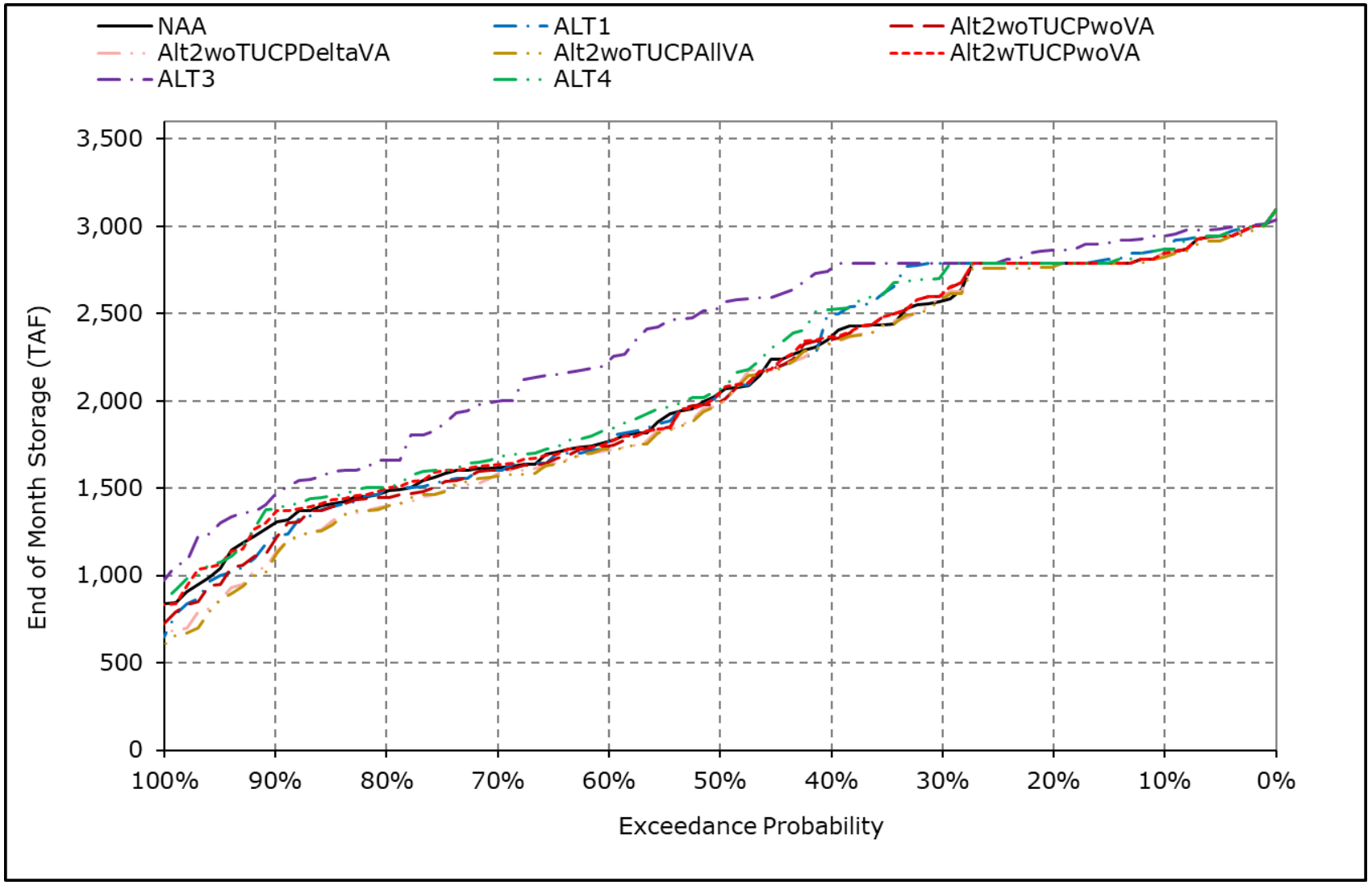
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-2. Lake Oroville Storage, November



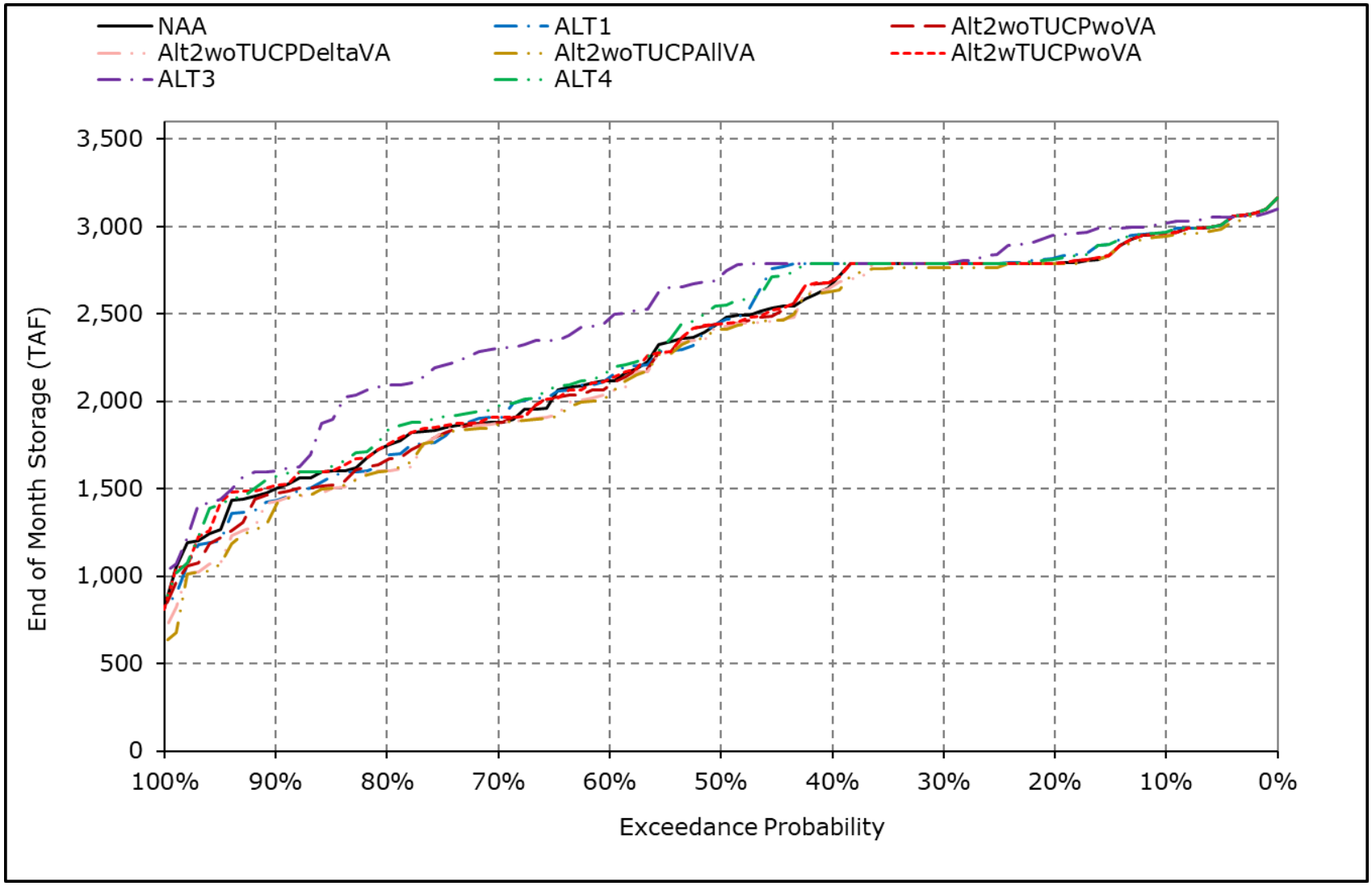
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-3. Lake Oroville Storage, December



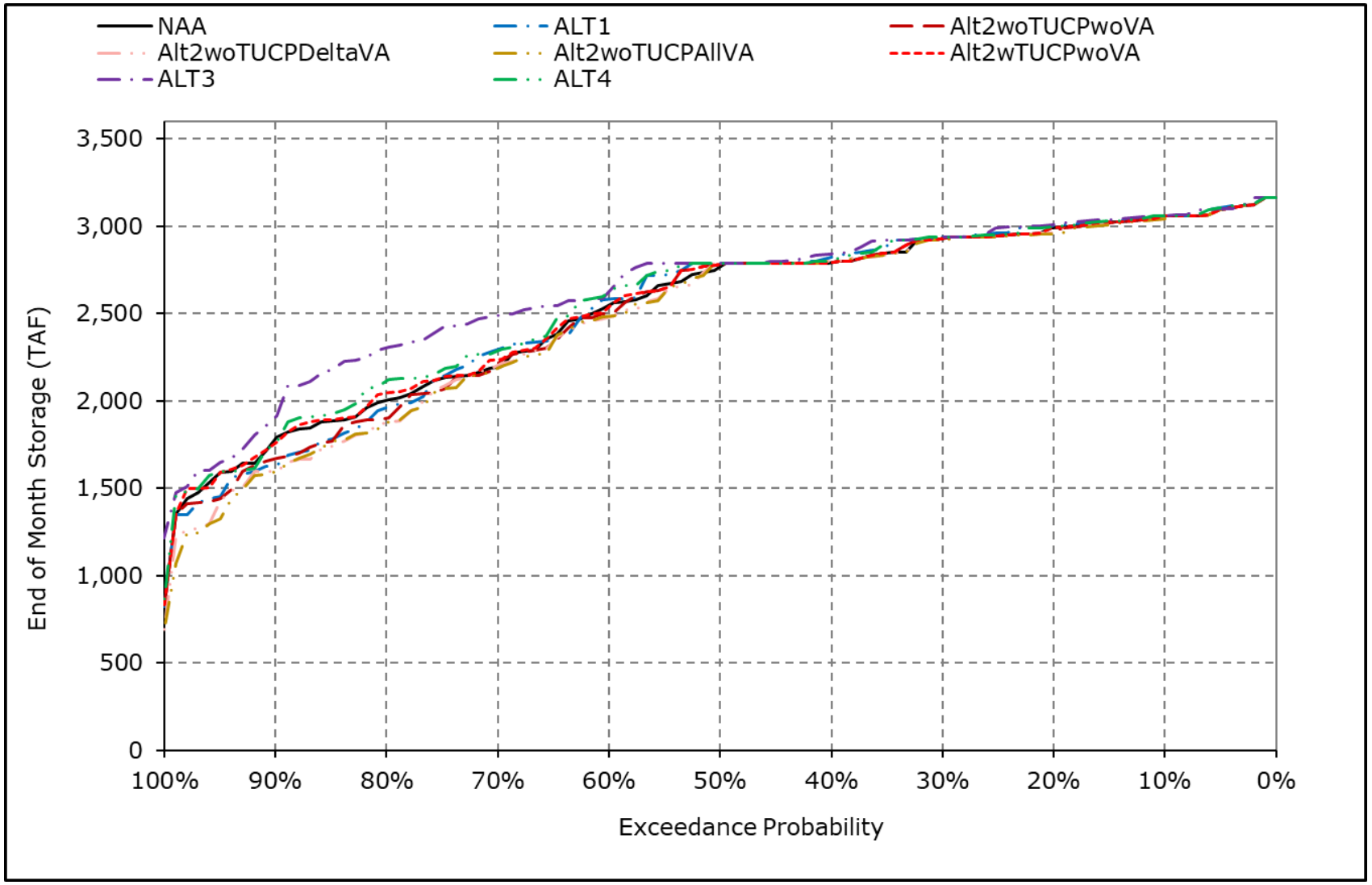
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-4. Lake Oroville Storage, January



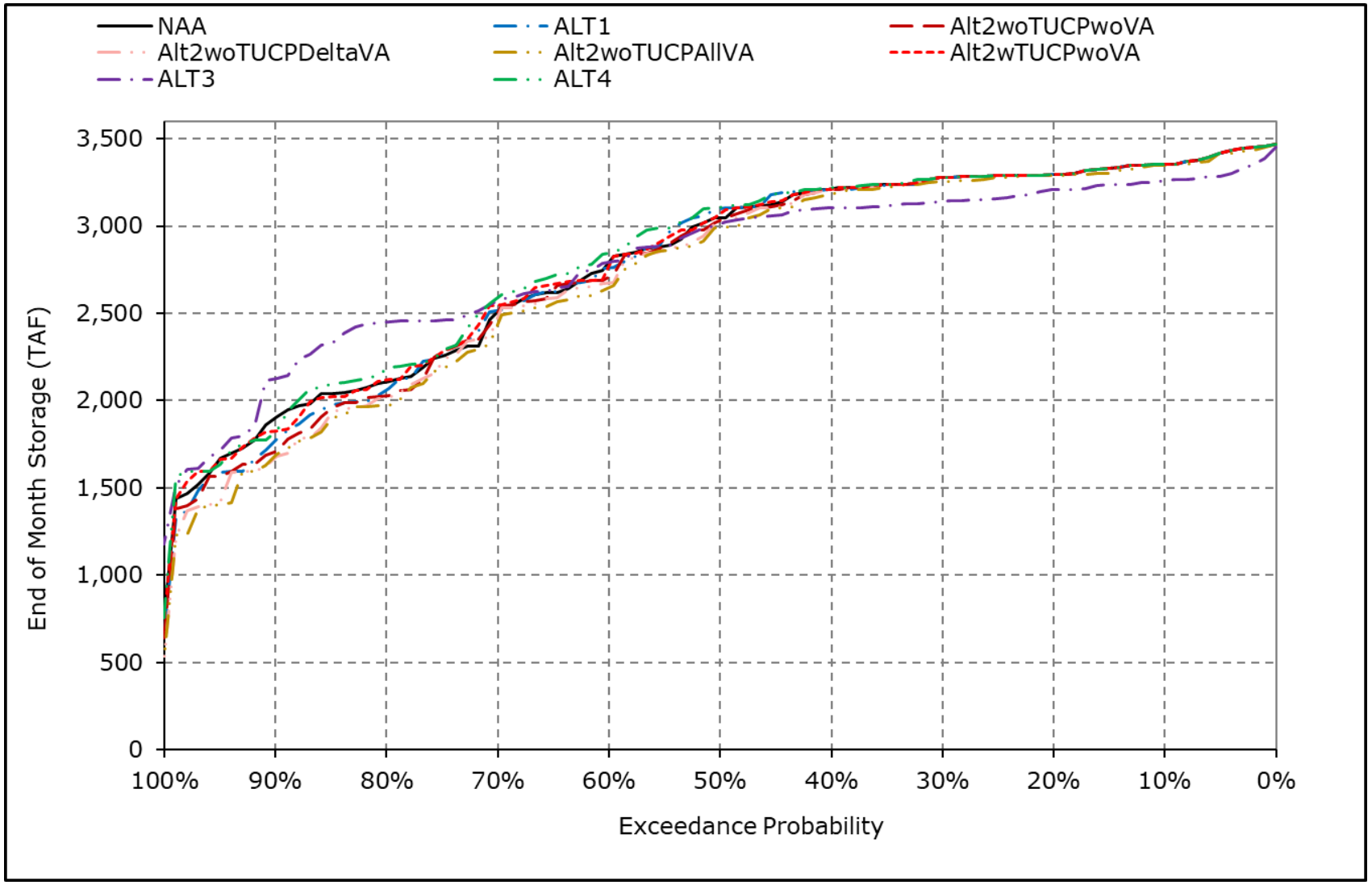
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-5. Lake Oroville Storage, February



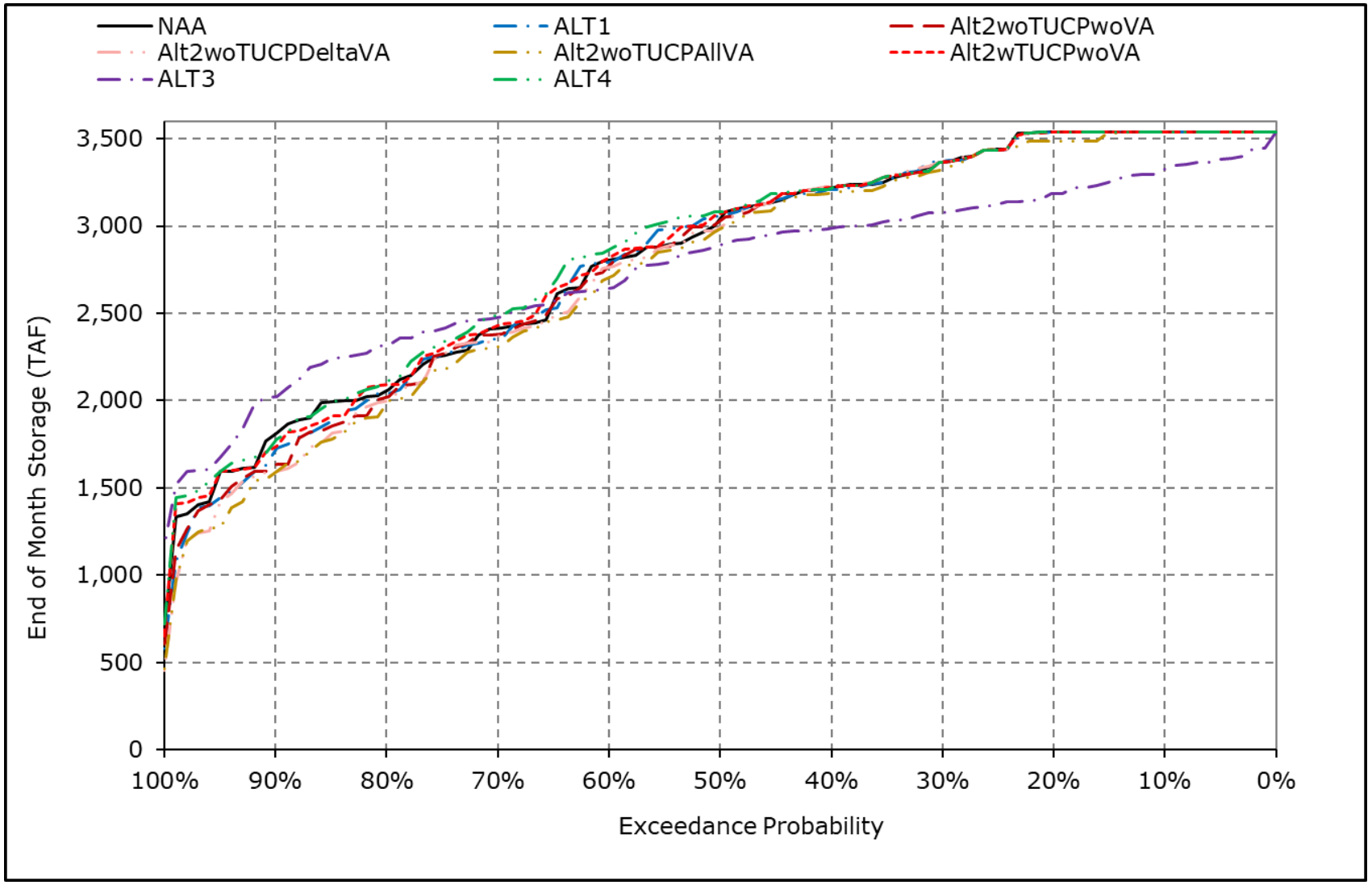
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-6. Lake Oroville Storage, March



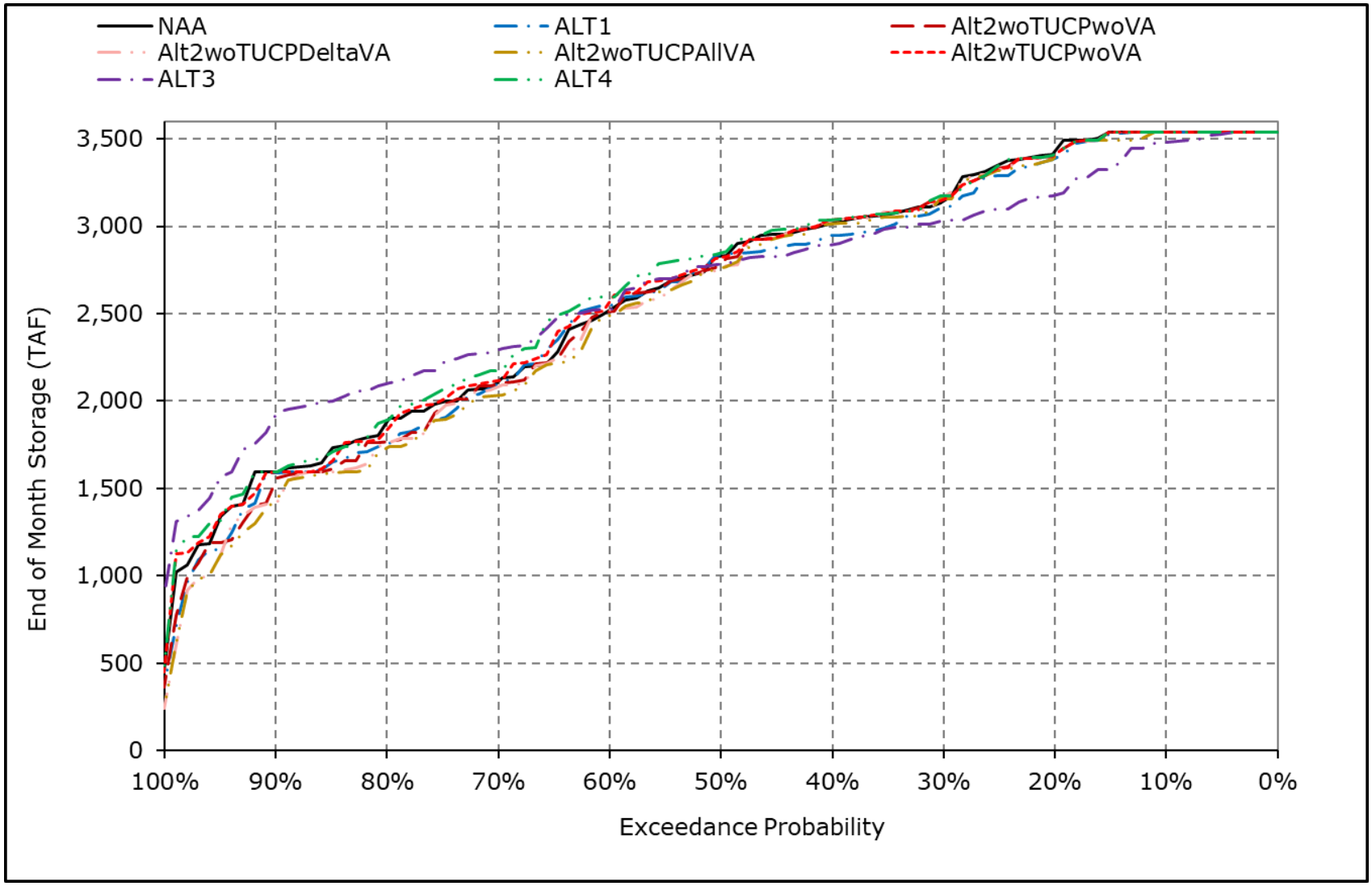
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-7. Lake Oroville Storage, April



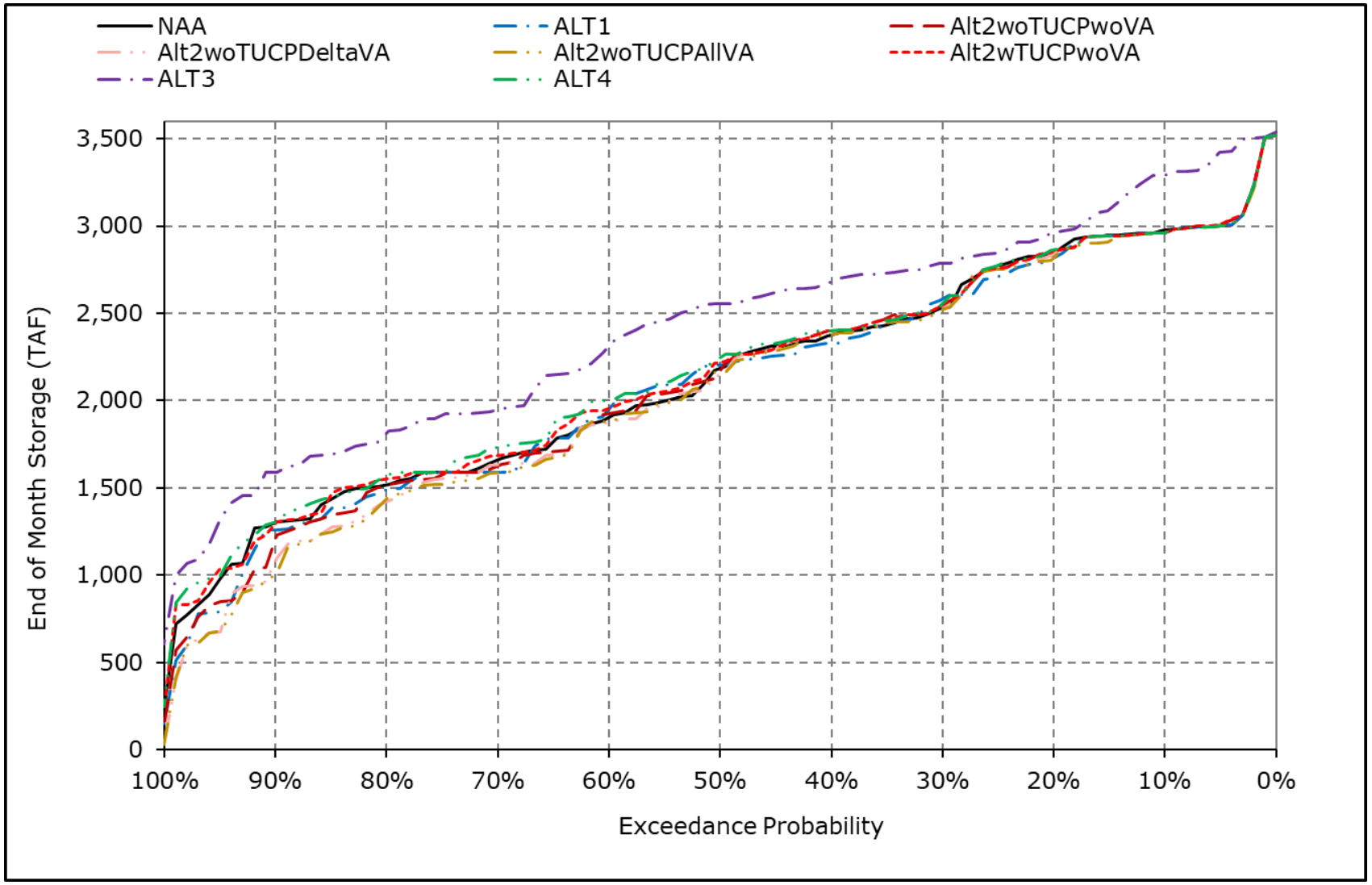
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-8. Lake Oroville Storage, May



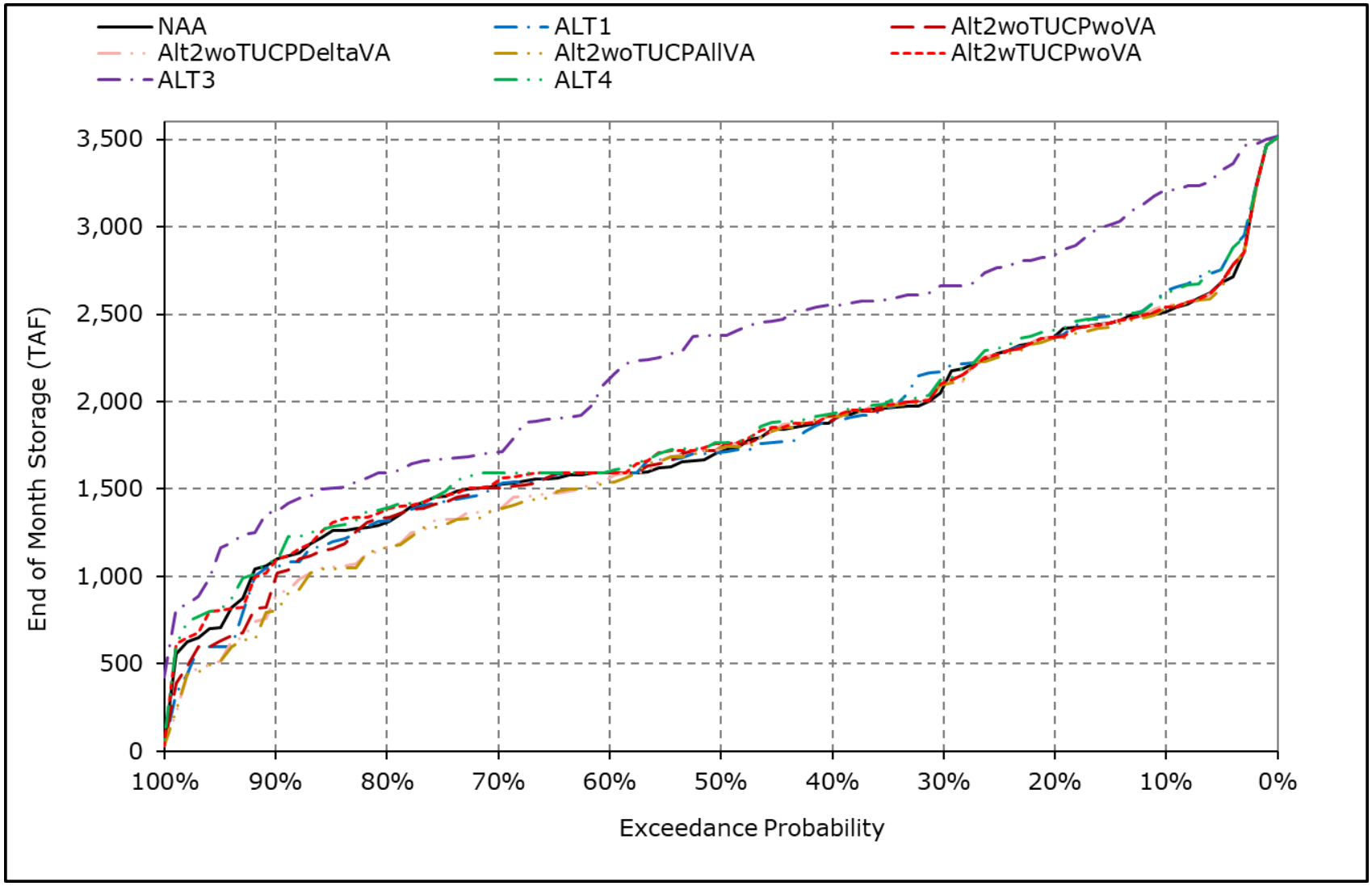
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-9. Lake Oroville Storage, June



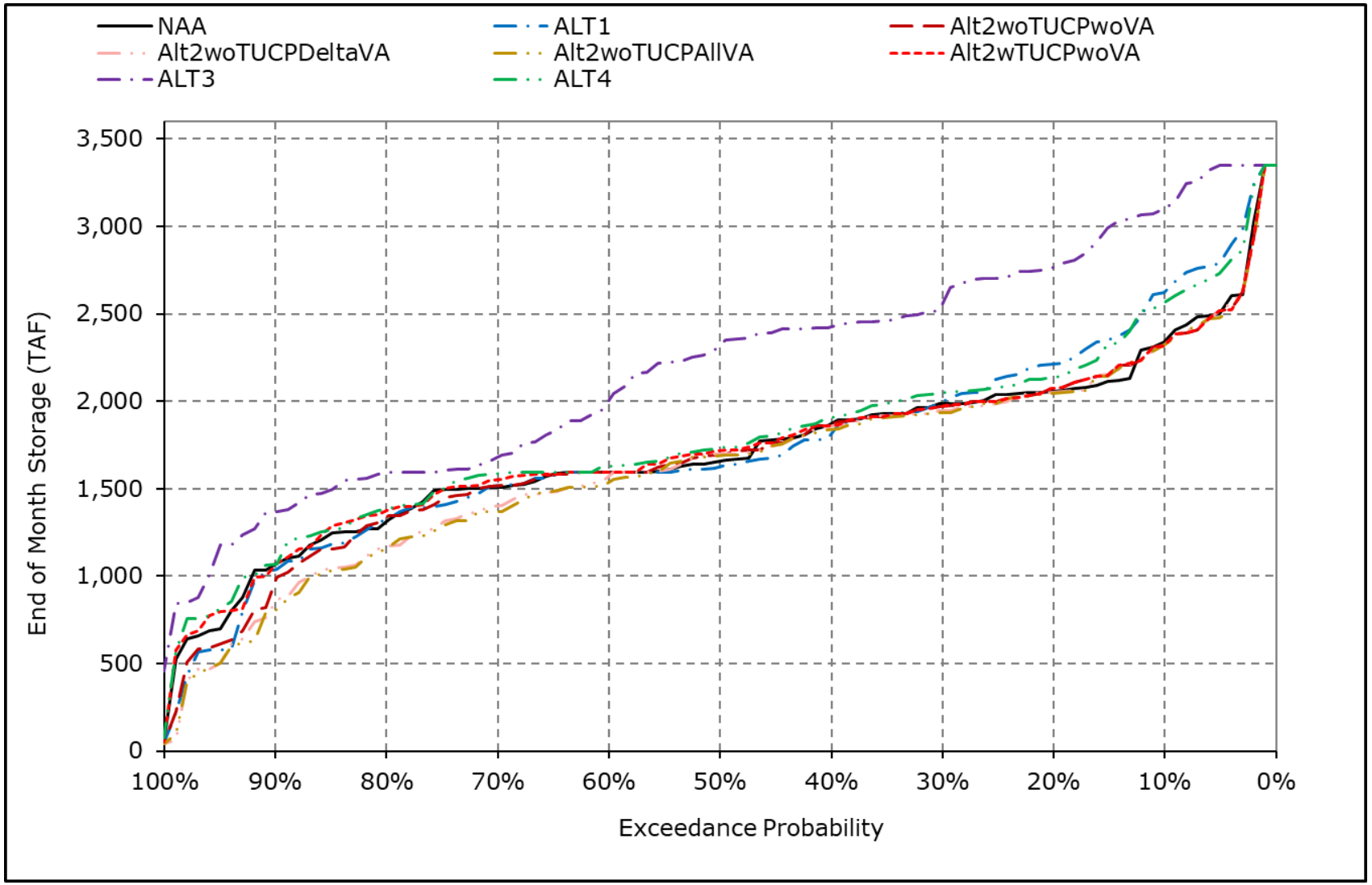
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-10. Lake Oroville Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-11. Lake Oroville Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-5-12. Lake Oroville Storage, September

Table F.2.1-6-1a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-1b. Lake Oroville Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	830	838	849	855	861	867	887	900	900	861	838	838
20% Exceedance	799	808	845	849	851	863	884	900	890	851	820	805
30% Exceedance	777	781	818	849	849	859	882	889	871	835	802	783
40% Exceedance	755	766	793	829	849	851	877	877	860	817	772	764
50% Exceedance	740	741	769	788	826	849	870	867	852	804	753	743
60% Exceedance	738	735	742	759	797	835	847	849	832	778	739	740
70% Exceedance	724	725	728	741	774	813	830	819	793	739	731	730
80% Exceedance	697	692	717	727	750	779	789	787	758	727	706	707
90% Exceedance	670	656	670	694	720	744	760	754	739	699	674	672
Full Simulation Period Average[a]	739	741	762	782	804	824	842	843	825	782	751	746
Wet Water Years (28%)	812	813	820	844	855	858	883	894	888	853	827	822
Above Normal Water Years (14%)	764	764	780	794	832	860	883	887	872	831	788	773
Below Normal Water Years (18%)	743	744	775	791	810	837	860	859	841	795	756	750
Dry Water Years (24%)	721	729	752	748	779	809	823	819	795	749	725	724
Critical Water Years (16%)	603	597	639	708	723	739	741	730	700	654	619	616

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-1c. Lake Oroville Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	24	0	2	0	0	0	0	0	-1	8	20
20% Exceedance	19	15	17	0	2	1	0	0	-3	-2	0	16
30% Exceedance	4	8	8	15	0	0	0	1	-3	4	10	1
40% Exceedance	-2	1	9	8	8	2	0	-1	-5	-4	0	-6
50% Exceedance	-4	-5	3	0	0	1	4	1	1	2	0	-4
60% Exceedance	2	-5	1	0	2	2	-2	-1	2	5	0	0
70% Exceedance	-2	0	-4	-2	3	10	0	-4	-2	-9	0	1
80% Exceedance	-4	-11	4	1	-7	-4	-5	-2	-13	-4	1	1
90% Exceedance	6	-5	-11	-10	-9	-17	-13	-9	0	-5	-5	-4
Full Simulation Period Average[a]	1	1	0	-1	0	-1	-2	-2	-4	-3	-2	0
Wet Water Years (28%)	18	17	14	-1	0	0	0	0	-2	-1	4	15
Above Normal Water Years (14%)	1	0	-3	-6	-4	0	0	-1	-5	-4	-2	0
Below Normal Water Years (18%)	-4	-5	-3	5	0	-2	-1	1	-2	1	-1	-4
Dry Water Years (24%)	10	9	6	5	6	5	4	3	5	9	12	11
Critical Water Years (16%)	-37	-35	-28	-9	-8	-8	-14	-16	-22	-29	-32	-35

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-2a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-2b. Lake Oroville Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	804	811	849	853	861	867	887	900	900	861	832	816
20% Exceedance	786	794	827	849	849	861	884	900	891	853	820	790
30% Exceedance	770	777	810	837	849	858	882	888	874	832	794	780
40% Exceedance	759	766	786	819	842	849	877	879	866	822	772	769
50% Exceedance	743	747	767	782	825	848	865	865	849	800	756	752
60% Exceedance	737	740	744	756	792	829	844	848	830	775	739	740
70% Exceedance	726	724	729	740	770	805	830	821	793	743	729	730
80% Exceedance	700	694	713	721	748	773	786	785	759	730	708	708
90% Exceedance	658	648	663	693	725	749	753	744	733	693	666	662
Full Simulation Period Average[a]	734	736	760	780	802	822	840	842	825	782	750	741
Wet Water Years (28%)	794	796	807	845	855	858	883	894	889	853	823	807
Above Normal Water Years (14%)	761	763	781	798	834	860	883	888	877	835	791	771
Below Normal Water Years (18%)	747	750	779	783	808	837	859	858	843	794	757	755
Dry Water Years (24%)	718	727	751	742	773	803	818	815	790	744	720	720
Critical Water Years (16%)	603	598	640	707	722	738	740	730	701	655	621	617

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-2c. Lake Oroville Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-3	0	0	0	0	0	0	0	-1	2	-2
20% Exceedance	5	1	-1	0	0	-1	0	0	-1	1	-1	2
30% Exceedance	-3	4	0	3	0	0	0	0	1	1	2	-1
40% Exceedance	2	1	2	-1	1	0	0	1	1	2	0	-1
50% Exceedance	0	2	2	-5	-1	1	-1	-1	-3	-1	3	4
60% Exceedance	1	0	3	-3	-2	-3	-6	-2	-1	2	0	0
70% Exceedance	1	0	-3	-2	0	2	0	-2	-2	-4	-2	1
80% Exceedance	-1	-9	0	-4	-9	-10	-9	-4	-11	-1	3	3
90% Exceedance	-6	-13	-18	-11	-3	-12	-20	-19	-6	-11	-13	-13
Full Simulation Period Average[a]	-4	-3	-3	-3	-2	-2	-3	-3	-4	-3	-3	-4
Wet Water Years (28%)	0	0	1	0	0	0	0	0	-1	-1	0	0
Above Normal Water Years (14%)	-2	-2	-2	-2	-3	0	0	0	0	1	1	-2
Below Normal Water Years (18%)	1	1	0	-3	-2	-3	-2	0	0	0	0	1
Dry Water Years (24%)	7	7	5	-1	-1	-1	-1	-1	0	4	7	7
Critical Water Years (16%)	-37	-33	-27	-9	-9	-10	-15	-16	-21	-27	-31	-34

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-3a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-3b. Lake Oroville Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	804	808	849	853	861	866	887	900	900	861	833	816
20% Exceedance	782	793	827	849	849	861	884	900	891	852	820	788
30% Exceedance	771	775	807	836	849	858	882	888	875	832	793	777
40% Exceedance	757	764	778	817	840	849	877	879	866	822	774	768
50% Exceedance	743	744	770	781	824	849	865	863	847	798	755	752
60% Exceedance	730	735	742	754	788	828	841	847	831	770	736	737
70% Exceedance	711	711	723	739	770	804	828	820	791	744	714	716
80% Exceedance	682	679	696	716	740	770	784	783	758	718	687	688
90% Exceedance	642	639	648	683	719	740	750	739	718	677	647	641
Full Simulation Period Average[a]	727	730	754	776	799	820	838	839	823	777	744	734
Wet Water Years (28%)	793	795	807	844	855	858	883	894	889	853	823	806
Above Normal Water Years (14%)	759	761	780	794	831	860	883	888	878	835	791	768
Below Normal Water Years (18%)	741	743	773	779	805	835	858	858	842	792	752	750
Dry Water Years (24%)	709	718	742	738	770	801	816	813	788	740	711	711
Critical Water Years (16%)	585	580	627	695	712	729	731	721	690	633	603	594

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-3c. Lake Oroville Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-5	0	0	0	-1	0	0	0	-1	3	-2
20% Exceedance	1	1	-1	0	0	-1	0	0	-1	0	-1	-1
30% Exceedance	-2	2	-3	2	0	0	0	0	1	1	1	-4
40% Exceedance	0	-1	-6	-4	-1	0	0	1	1	2	2	-2
50% Exceedance	0	-1	5	-6	-2	1	-2	-3	-5	-3	2	5
60% Exceedance	-6	-5	1	-5	-6	-5	-8	-3	0	-3	-3	-3
70% Exceedance	-14	-13	-9	-4	0	1	-2	-3	-3	-4	-16	-13
80% Exceedance	-19	-23	-17	-10	-17	-13	-10	-6	-13	-12	-18	-18
90% Exceedance	-22	-22	-33	-21	-9	-21	-23	-24	-21	-27	-32	-35
Full Simulation Period Average[a]	-11	-10	-8	-7	-6	-5	-5	-5	-6	-8	-9	-11
Wet Water Years (28%)	-1	-1	0	0	0	0	0	0	-1	-1	0	-1
Above Normal Water Years (14%)	-3	-4	-3	-6	-6	0	0	0	0	1	1	-4
Below Normal Water Years (18%)	-6	-6	-6	-7	-5	-4	-3	0	-1	-2	-6	-4
Dry Water Years (24%)	-2	-2	-3	-5	-4	-3	-3	-3	-1	-1	-2	-2
Critical Water Years (16%)	-55	-52	-40	-22	-19	-19	-23	-25	-32	-49	-48	-57

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-4a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-4b. Lake Oroville Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	804	812	847	851	859	866	887	900	900	861	832	816
20% Exceedance	783	794	827	847	849	860	883	896	890	851	820	787
30% Exceedance	769	773	809	835	847	858	881	885	874	831	793	776
40% Exceedance	756	763	778	817	838	849	876	876	864	821	774	766
50% Exceedance	744	742	768	781	823	849	863	862	847	799	756	751
60% Exceedance	731	733	742	754	787	828	839	843	828	771	733	733
70% Exceedance	710	709	724	737	769	802	825	815	786	739	714	712
80% Exceedance	686	681	697	715	741	770	780	781	755	721	687	687
90% Exceedance	635	632	647	681	716	740	751	739	720	668	631	632
Full Simulation Period Average[a]	726	728	753	775	798	819	836	837	821	776	742	733
Wet Water Years (28%)	793	795	807	843	854	858	883	894	889	853	823	806
Above Normal Water Years (14%)	758	760	779	793	830	860	881	885	876	833	789	767
Below Normal Water Years (18%)	739	741	772	779	805	835	856	854	840	791	750	747
Dry Water Years (24%)	708	717	742	736	768	800	813	809	785	738	710	710
Critical Water Years (16%)	580	576	624	693	709	727	729	718	688	631	599	594

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-4c. Lake Oroville Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-2	-2	-2	-1	-1	0	0	0	-1	2	-2
20% Exceedance	3	1	-1	-1	0	-2	0	-4	-2	-2	-1	-1
30% Exceedance	-4	0	-1	1	-2	0	-2	-3	1	-1	1	-5
40% Exceedance	-1	-1	-6	-3	-3	0	-2	-2	0	0	2	-4
50% Exceedance	0	-4	2	-6	-3	1	-4	-4	-5	-3	2	4
60% Exceedance	-6	-7	0	-5	-8	-4	-10	-7	-2	-2	-7	-7
70% Exceedance	-15	-15	-8	-6	-1	0	-5	-8	-8	-9	-17	-17
80% Exceedance	-15	-22	-16	-11	-16	-14	-14	-8	-15	-10	-18	-19
90% Exceedance	-29	-29	-34	-23	-12	-21	-22	-24	-20	-36	-48	-44
Full Simulation Period Average[a]	-12	-11	-9	-8	-7	-5	-7	-7	-8	-10	-11	-12
Wet Water Years (28%)	-1	-1	1	-1	-1	0	0	-1	-1	-1	-1	-1
Above Normal Water Years (14%)	-5	-5	-5	-7	-7	-1	-2	-3	-2	-1	-1	-6
Below Normal Water Years (18%)	-8	-8	-6	-7	-5	-5	-5	-4	-3	-3	-7	-6
Dry Water Years (24%)	-3	-3	-4	-6	-5	-4	-6	-6	-4	-2	-3	-3
Critical Water Years (16%)	-60	-56	-42	-24	-22	-21	-26	-28	-35	-52	-52	-58

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-5a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-5b. Lake Oroville Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	804	811	849	853	861	867	887	900	900	861	832	816
20% Exceedance	786	793	827	849	849	863	884	900	891	853	820	790
30% Exceedance	770	777	811	837	849	858	882	888	874	832	794	780
40% Exceedance	760	765	788	820	842	849	878	878	866	822	775	769
50% Exceedance	745	749	767	788	825	848	868	868	851	805	758	754
60% Exceedance	740	740	746	759	796	832	848	851	834	778	739	740
70% Exceedance	728	726	736	744	773	807	832	824	795	751	734	734
80% Exceedance	705	703	716	728	757	788	795	792	766	734	714	712
90% Exceedance	671	657	680	712	730	758	765	756	739	704	679	675
Full Simulation Period Average[a]	740	742	764	784	806	825	844	845	829	787	755	747
Wet Water Years (28%)	794	796	807	845	855	858	883	894	889	853	823	807
Above Normal Water Years (14%)	761	763	781	799	836	860	883	888	877	835	791	771
Below Normal Water Years (18%)	748	750	780	790	814	842	863	862	847	798	759	756
Dry Water Years (24%)	719	727	751	743	774	804	819	816	791	745	721	721
Critical Water Years (16%)	642	636	670	718	732	749	754	745	722	683	651	650

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-5c. Lake Oroville Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-3	0	0	0	0	0	0	0	-1	2	-2
20% Exceedance	5	1	-1	0	0	0	0	0	-1	1	-1	2
30% Exceedance	-3	4	1	3	0	0	0	0	1	1	2	-1
40% Exceedance	3	1	4	0	1	0	0	0	1	2	3	-1
50% Exceedance	2	3	2	0	-1	1	2	2	0	4	5	6
60% Exceedance	4	0	4	0	1	-1	-1	1	3	5	0	0
70% Exceedance	3	2	4	2	3	5	2	1	0	3	3	5
80% Exceedance	4	0	3	2	1	4	1	3	-5	4	9	7
90% Exceedance	7	-3	-1	8	2	-3	-8	-7	0	-1	0	0
Full Simulation Period Average[a]	2	2	2	1	1	1	0	1	0	2	2	2
Wet Water Years (28%)	0	0	1	0	0	0	0	0	-1	-1	0	0
Above Normal Water Years (14%)	-2	-2	-2	-1	-1	0	0	0	0	1	1	-2
Below Normal Water Years (18%)	2	1	1	4	3	2	2	4	4	4	1	2
Dry Water Years (24%)	8	7	6	0	0	0	0	0	1	5	8	8
Critical Water Years (16%)	2	4	3	1	1	1	0	-1	-1	1	-1	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-6a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-6b. Lake Oroville Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	862	861	861	859	865	867	881	886	896	883	878	871
20% Exceedance	845	852	851	854	860	864	877	876	875	861	852	847
30% Exceedance	832	835	849	849	849	859	873	869	865	849	840	833
40% Exceedance	817	822	833	847	849	853	870	862	856	841	833	824
50% Exceedance	810	809	823	832	844	849	864	856	849	833	821	816
60% Exceedance	783	789	793	807	827	838	849	839	831	815	797	784
70% Exceedance	750	758	769	783	814	828	834	828	813	777	753	750
80% Exceedance	736	732	737	748	792	814	826	816	793	764	739	739
90% Exceedance	703	697	700	724	741	773	796	785	775	739	712	712
Full Simulation Period Average[a]	790	790	796	807	822	835	846	842	835	813	798	794
Wet Water Years (28%)	848	848	847	849	854	858	877	876	880	866	861	856
Above Normal Water Years (14%)	825	823	829	816	839	854	868	863	862	849	840	832
Below Normal Water Years (18%)	806	808	817	822	833	848	859	854	848	831	818	813
Dry Water Years (24%)	749	756	767	783	807	828	836	830	812	781	756	751
Critical Water Years (16%)	690	683	692	749	760	772	776	771	751	718	693	694

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-6c. Lake Oroville Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	50	48	12	7	4	0	-6	-14	-4	22	48	52
20% Exceedance	64	59	24	5	11	1	-6	-24	-17	8	31	58
30% Exceedance	59	62	39	15	0	0	-9	-20	-8	17	48	52
40% Exceedance	60	57	49	26	8	4	-7	-16	-8	21	61	54
50% Exceedance	66	64	57	44	18	1	-2	-10	-3	31	67	68
60% Exceedance	47	49	52	48	33	5	0	-11	0	42	57	44
70% Exceedance	25	34	37	40	43	26	4	4	19	30	23	21
80% Exceedance	35	29	24	22	35	31	32	27	23	33	34	34
90% Exceedance	40	37	19	20	12	13	23	22	36	35	33	36
Full Simulation Period Average[a]	52	50	34	25	17	10	3	-2	6	28	45	48
Wet Water Years (28%)	53	52	41	4	0	-1	-6	-18	-10	12	37	49
Above Normal Water Years (14%)	62	58	46	16	2	-6	-15	-25	-15	15	51	59
Below Normal Water Years (18%)	59	59	39	36	23	8	-2	-4	5	37	61	59
Dry Water Years (24%)	38	36	22	40	33	24	17	14	22	41	43	37
Critical Water Years (16%)	50	52	25	32	29	24	21	25	28	36	42	43

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-7a. Lake Oroville Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	811	814	849	853	861	867	887	900	900	862	830	818
20% Exceedance	781	793	828	849	849	863	884	900	892	852	821	789
30% Exceedance	773	773	810	834	849	858	882	888	873	831	792	781
40% Exceedance	757	765	784	820	841	849	878	878	864	821	772	770
50% Exceedance	743	745	765	788	826	847	866	866	852	802	754	747
60% Exceedance	736	740	742	759	795	833	849	850	830	773	739	740
70% Exceedance	725	724	732	742	770	803	830	823	795	748	731	729
80% Exceedance	701	703	713	726	757	783	794	789	771	730	705	705
90% Exceedance	664	660	681	704	728	761	773	763	739	704	679	675
Full Simulation Period Average[a]	738	740	762	783	805	824	843	844	829	786	753	745
Wet Water Years (28%)	795	796	806	844	855	858	883	894	890	854	823	807
Above Normal Water Years (14%)	763	764	783	800	837	860	883	888	877	834	790	773
Below Normal Water Years (18%)	747	749	778	786	810	839	861	858	843	794	757	754
Dry Water Years (24%)	711	720	745	743	773	804	819	815	790	740	713	713
Critical Water Years (16%)	640	632	667	717	731	748	755	746	722	682	651	651

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-7b. Lake Oroville Elevation, Alternative 4, End-of-Month Elevation (Feet)

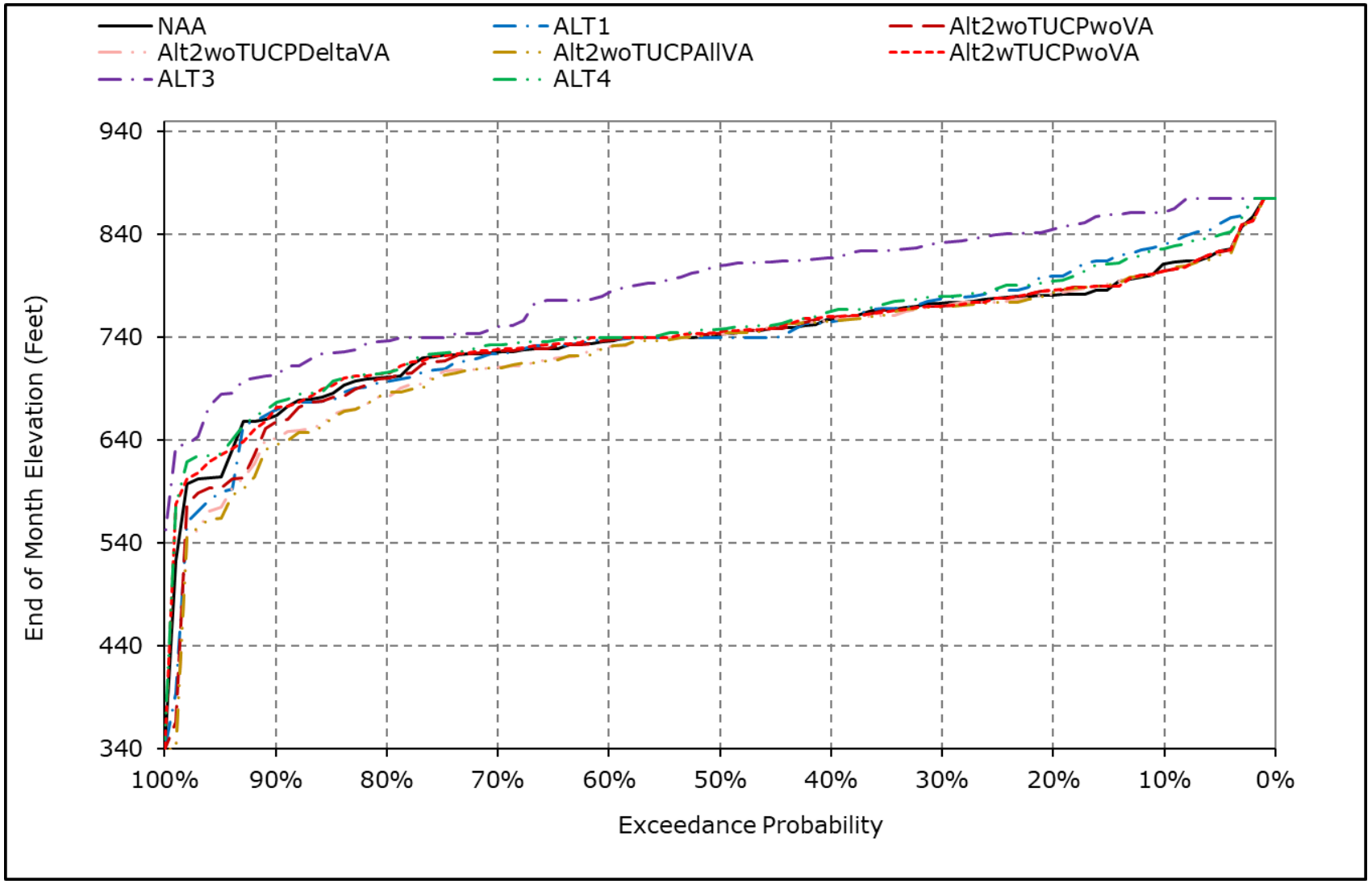
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	831	849	854	861	867	887	900	900	861	837	834
20% Exceedance	794	812	839	849	851	863	884	900	891	854	823	797
30% Exceedance	780	785	819	845	849	859	882	888	875	833	796	787
40% Exceedance	765	771	791	831	849	850	878	878	866	822	776	774
50% Exceedance	748	754	775	790	832	849	871	869	853	808	759	755
60% Exceedance	740	740	753	766	801	838	853	854	836	783	741	744
70% Exceedance	733	731	735	750	780	812	835	828	801	755	739	738
80% Exceedance	706	699	724	728	765	795	802	794	772	736	715	714
90% Exceedance	676	668	680	714	737	758	765	760	739	704	678	675
Full Simulation Period Average[a]	747	750	770	788	809	828	846	847	832	790	758	754
Wet Water Years (28%)	810	812	819	845	855	858	883	894	889	853	827	819
Above Normal Water Years (14%)	769	770	788	804	838	860	883	888	877	835	794	778
Below Normal Water Years (18%)	751	753	782	801	821	846	867	866	851	803	762	759
Dry Water Years (24%)	722	730	753	749	779	810	824	820	796	748	724	724
Critical Water Years (16%)	646	639	673	721	734	751	757	749	725	687	656	656

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-6-7c. Lake Oroville Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

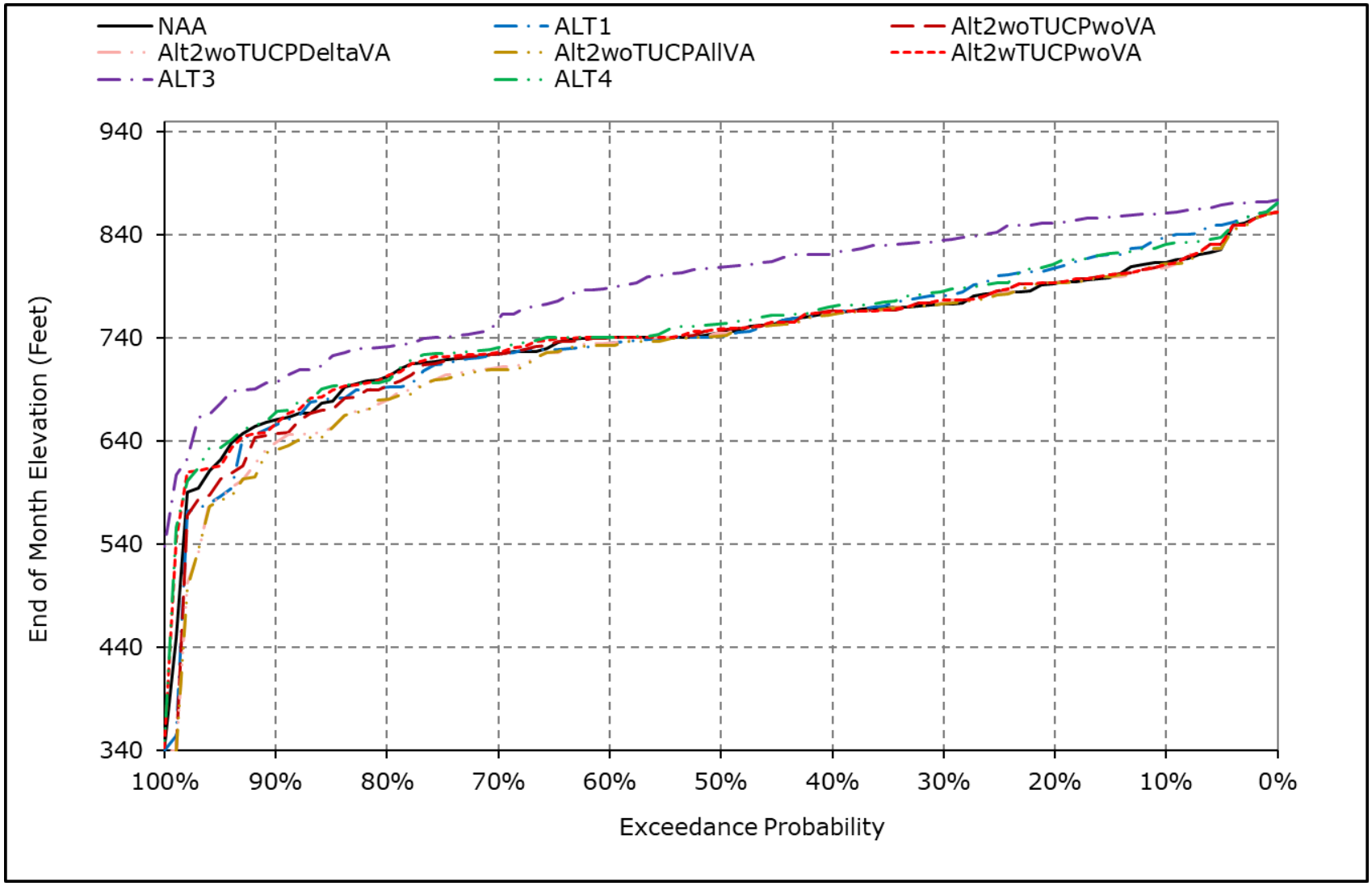
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15	18	0	1	0	0	0	0	0	-1	7	16
20% Exceedance	14	19	12	0	2	0	0	0	-1	1	2	8
30% Exceedance	7	13	9	11	0	0	0	0	2	2	4	6
40% Exceedance	8	6	7	10	8	1	0	0	1	2	4	4
50% Exceedance	4	9	10	2	6	1	4	3	1	6	5	8
60% Exceedance	4	0	11	7	6	5	4	4	5	10	1	4
70% Exceedance	7	7	4	7	10	10	5	5	6	8	9	9
80% Exceedance	5	-4	11	3	8	12	8	6	1	6	10	9
90% Exceedance	12	8	0	10	8	-3	-8	-4	0	0	-1	0
Full Simulation Period Average[a]	9	10	8	5	4	3	3	3	3	4	6	8
Wet Water Years (28%)	15	16	13	1	0	0	0	0	-1	-1	3	12
Above Normal Water Years (14%)	6	6	5	3	1	0	0	0	0	1	5	5
Below Normal Water Years (18%)	4	4	4	15	10	7	6	8	9	9	4	5
Dry Water Years (24%)	11	10	8	7	6	6	5	5	7	8	11	10
Critical Water Years (16%)	6	8	6	4	3	3	2	3	2	5	4	4

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



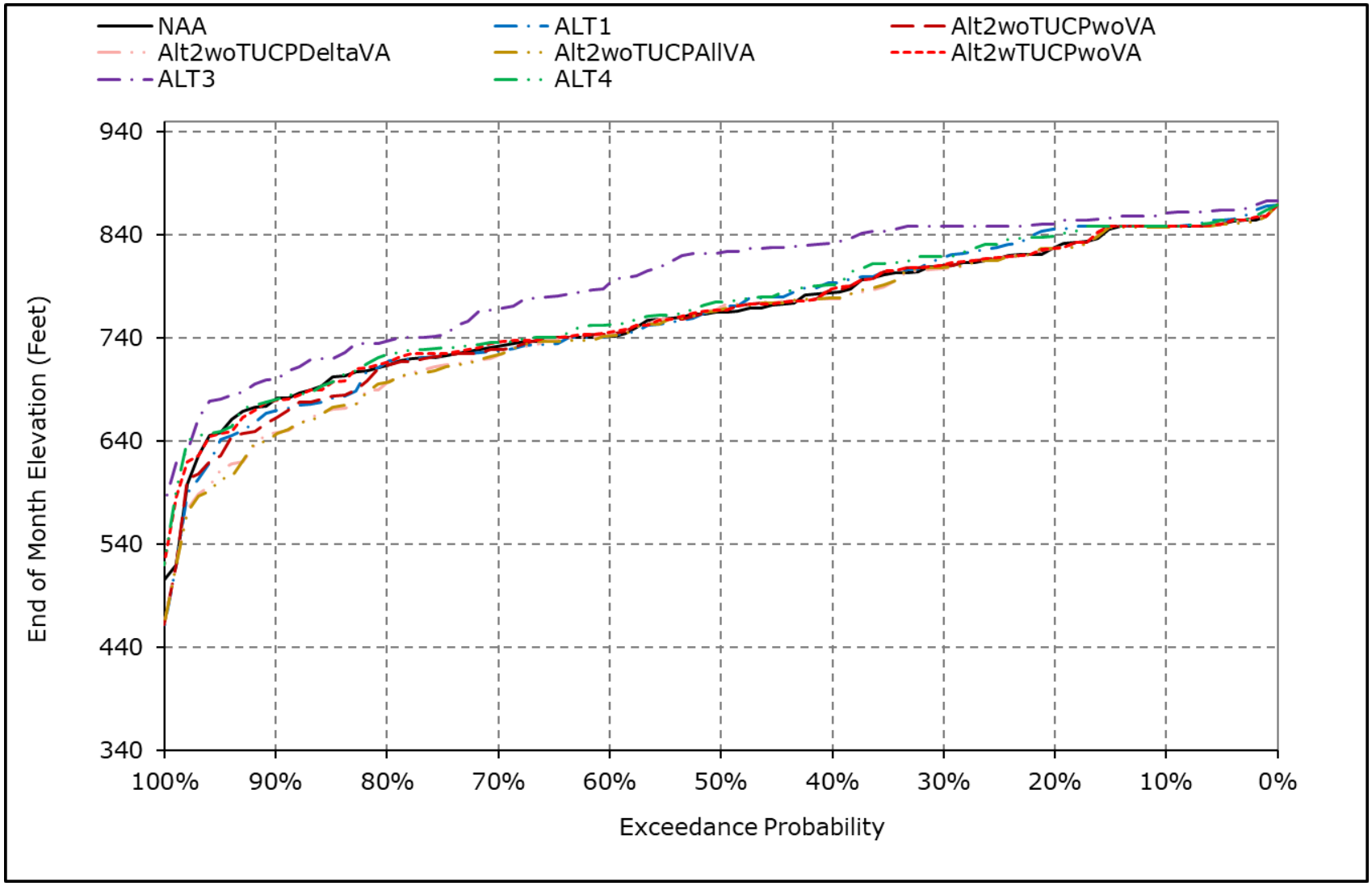
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-1. Lake Oroville Elevation, October



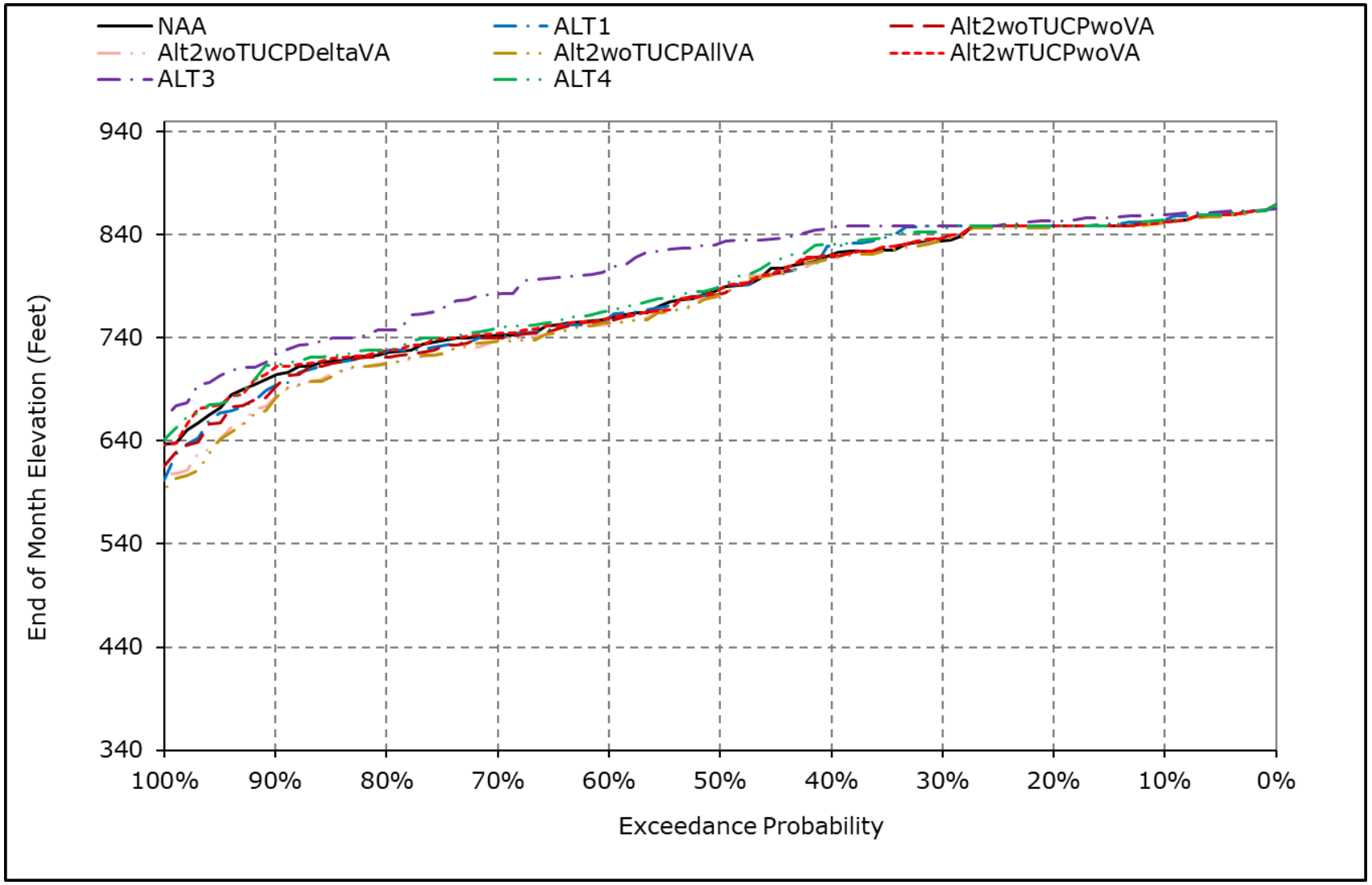
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-2. Lake Oroville Elevation, November



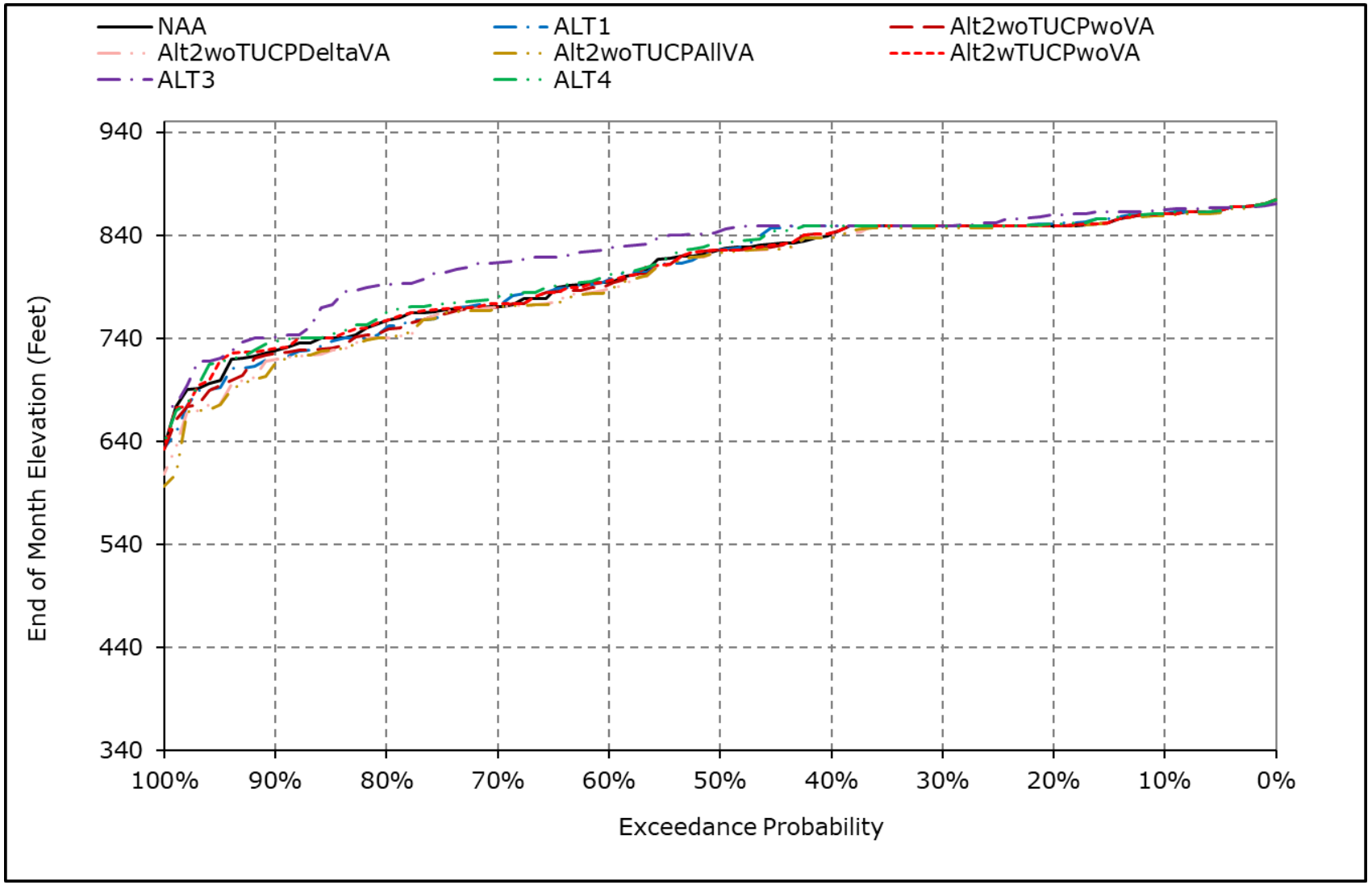
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-3. Lake Oroville Elevation, December



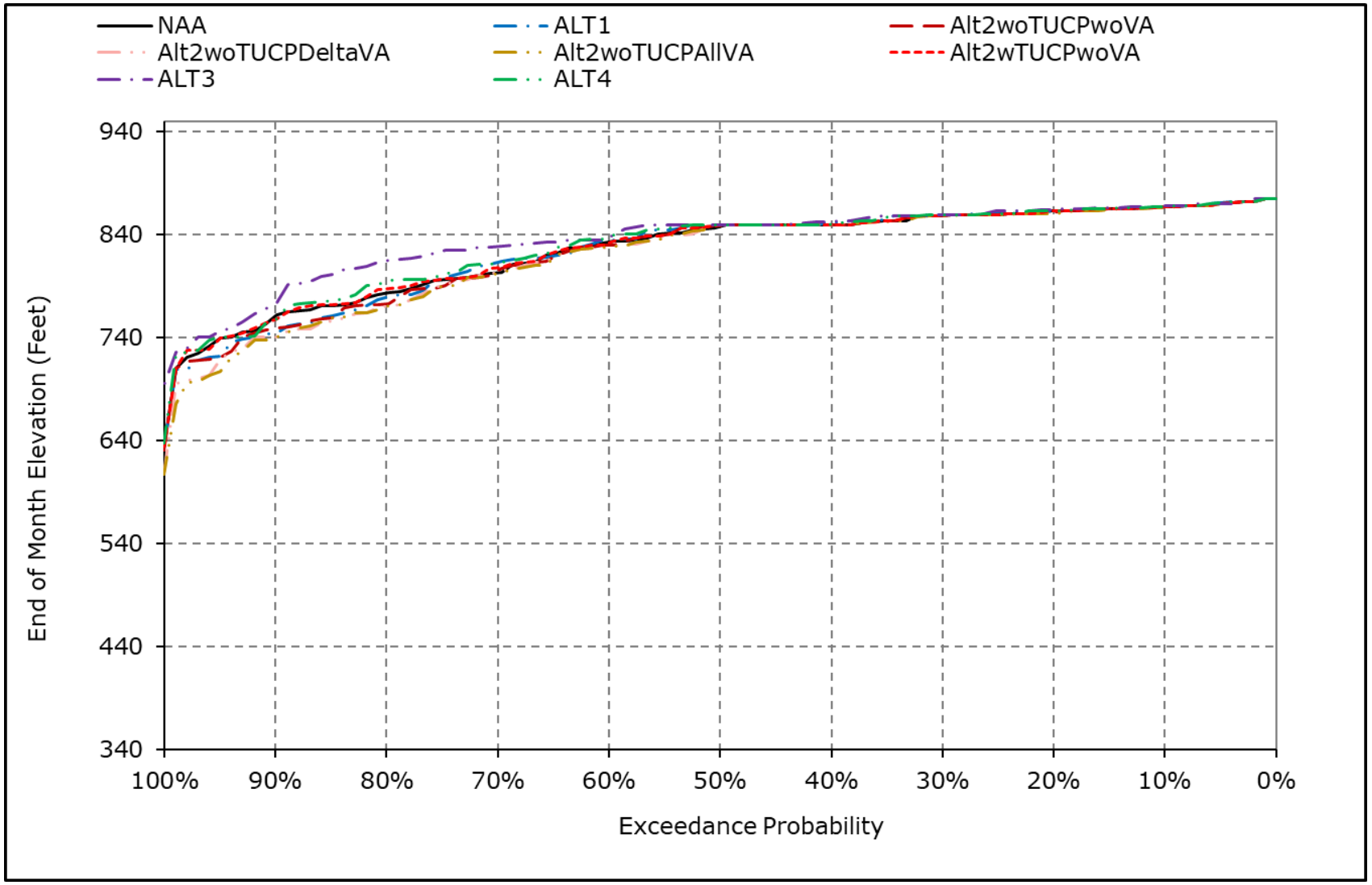
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-4. Lake Oroville Elevation, January



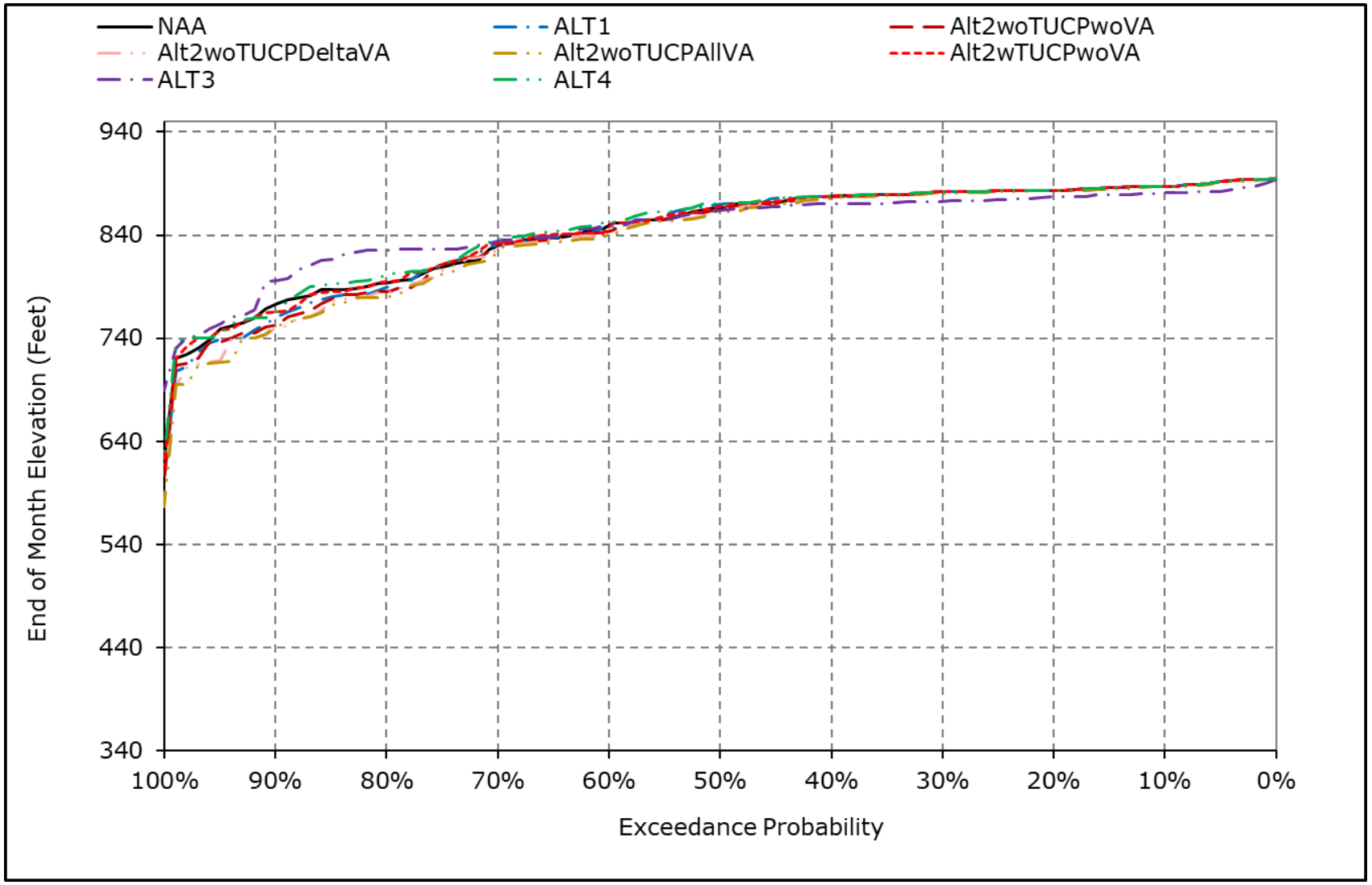
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-5. Lake Oroville Elevation, February



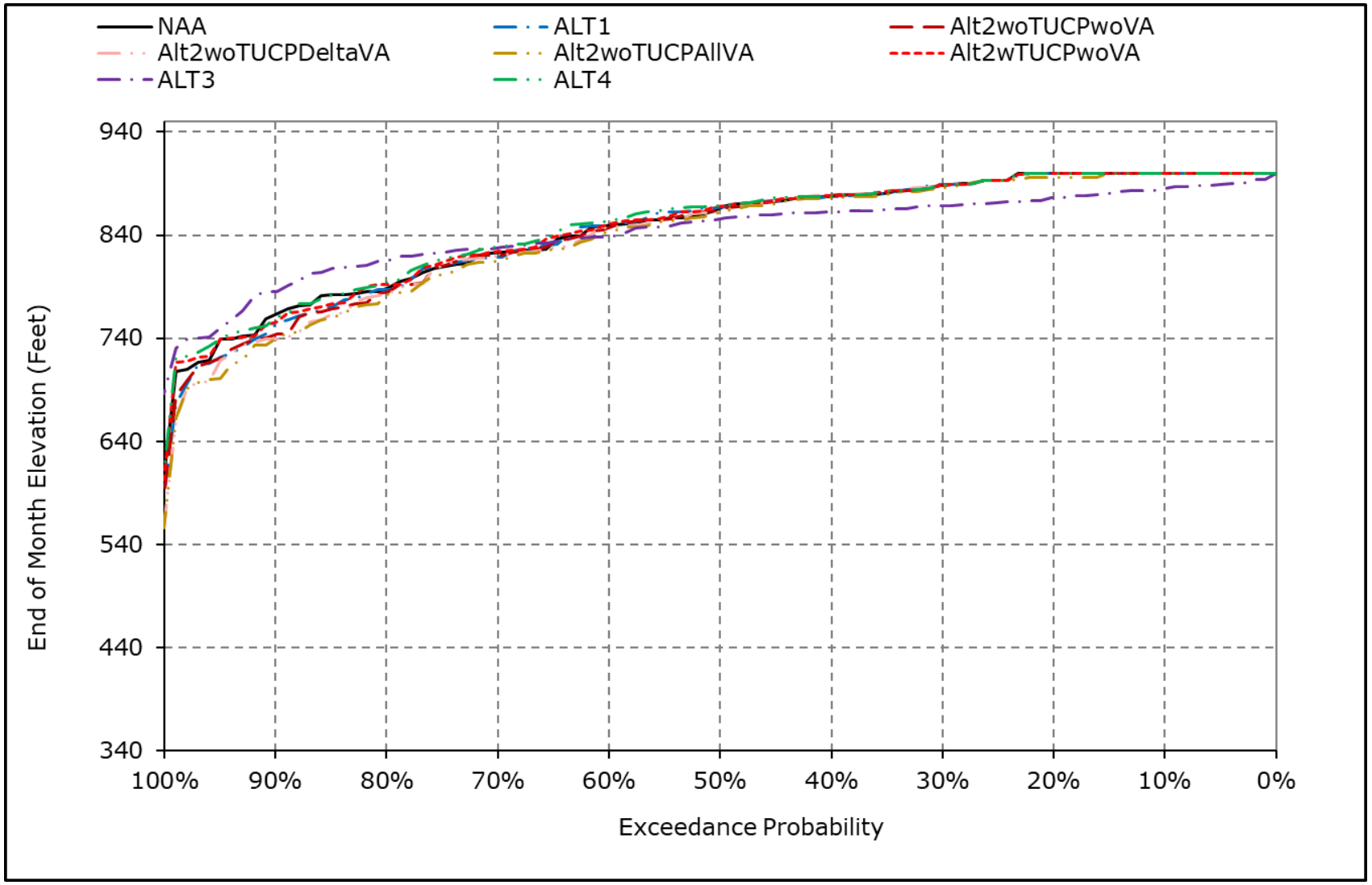
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-6. Lake Oroville Elevation, March



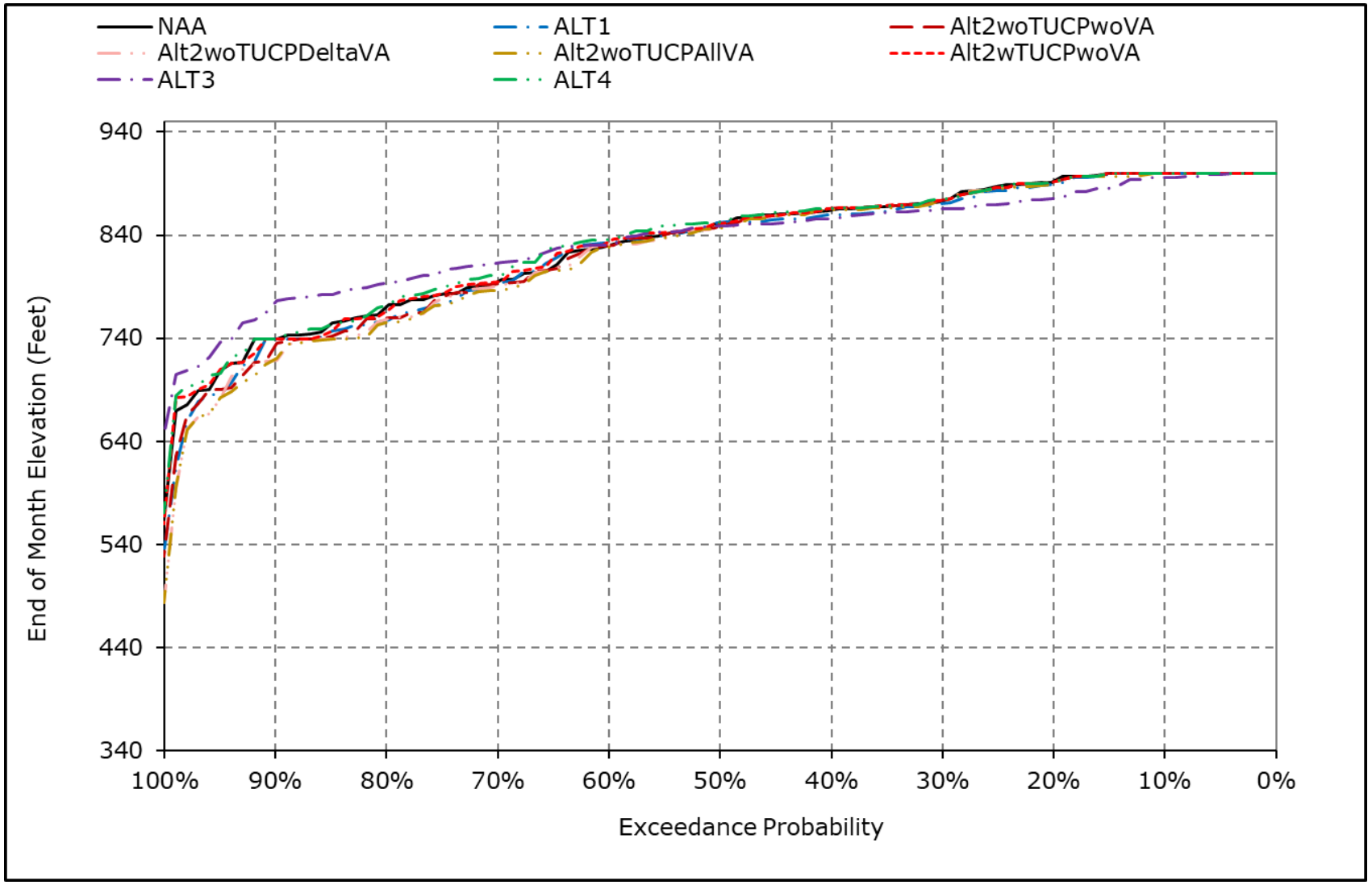
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-7. Lake Oroville Elevation, April



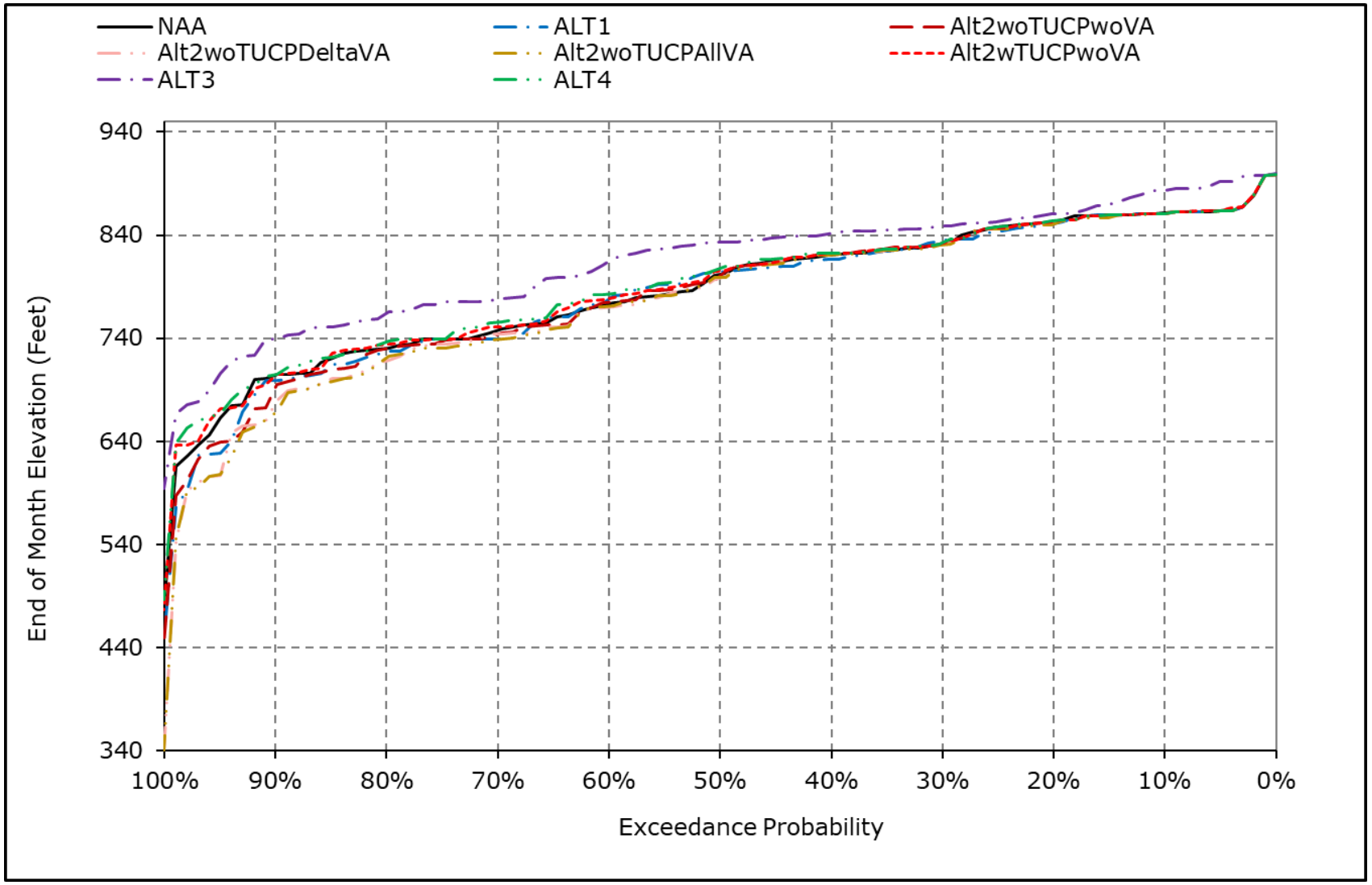
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-8. Lake Oroville Elevation, May



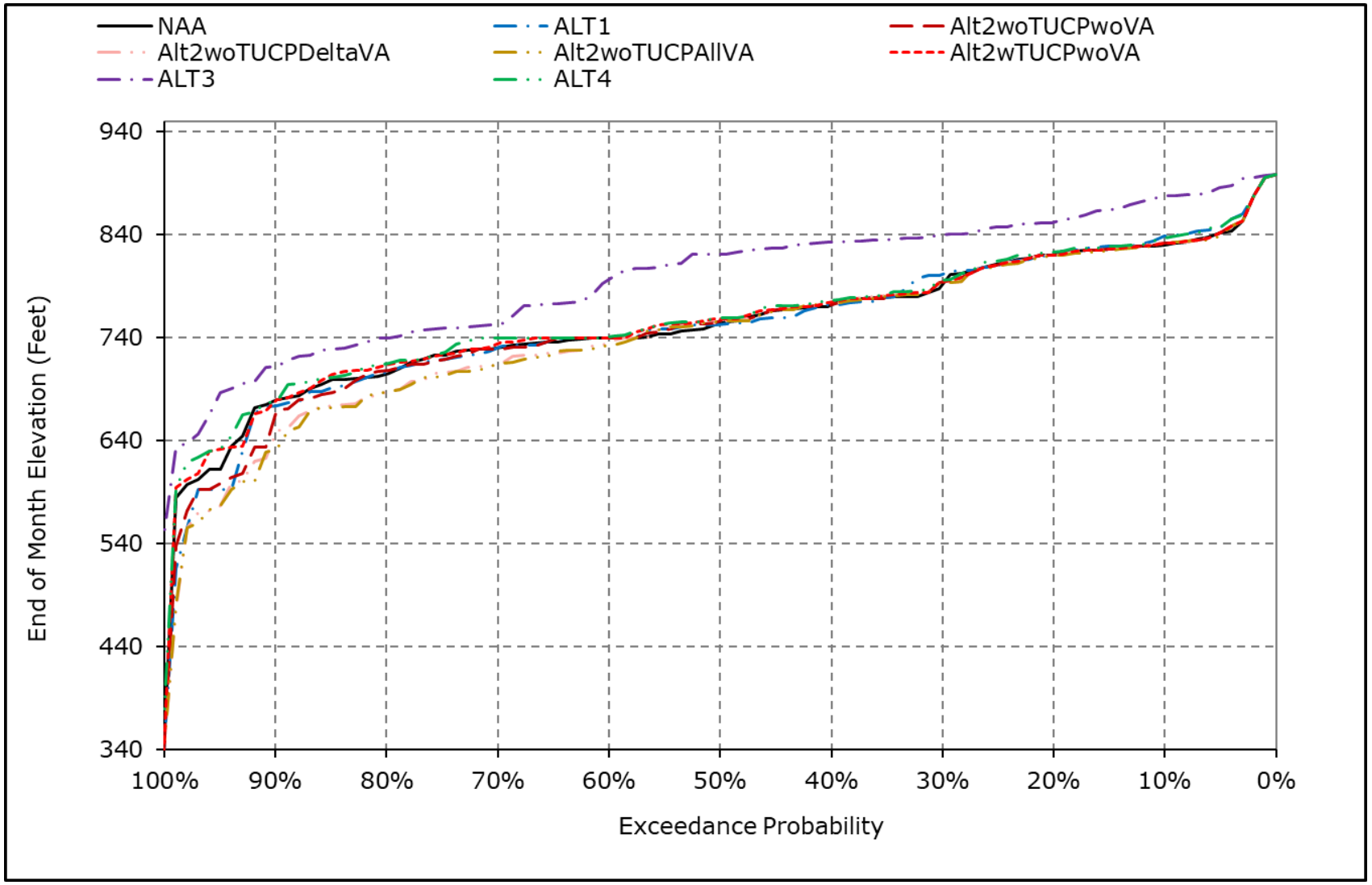
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-9. Lake Oroville Elevation, June



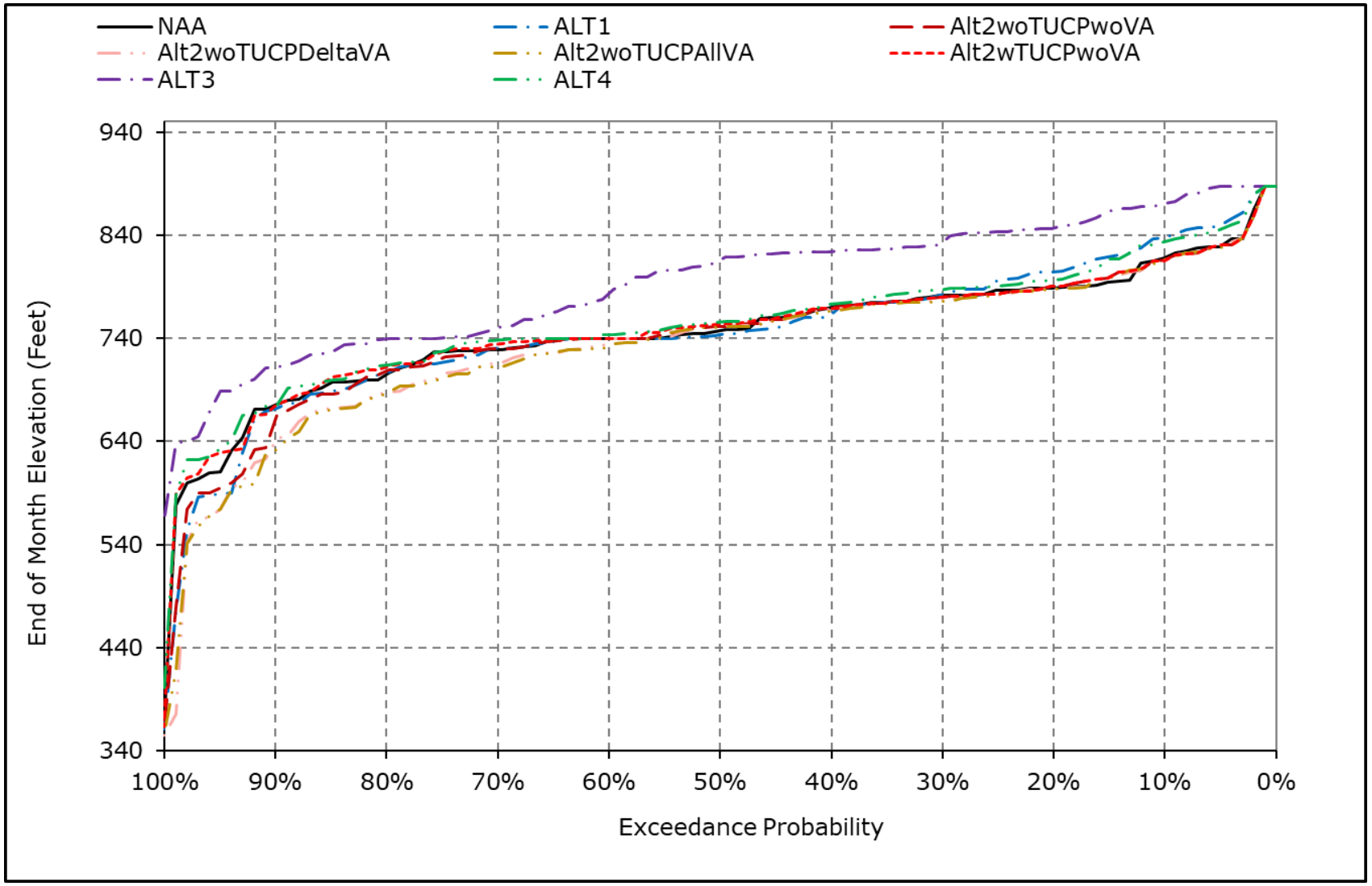
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-10. Lake Oroville Elevation, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-11. Lake Oroville Elevation, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-6-12. Lake Oroville Elevation, September

Table F.2.1-7-1a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-1b. Folsom Lake Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	890	792	752
20% Exceedance	693	567	567	567	567	756	900	967	964	823	792	752
30% Exceedance	654	567	567	567	567	756	900	967	901	743	724	678
40% Exceedance	561	565	567	567	567	756	900	967	825	624	590	591
50% Exceedance	524	549	567	567	567	756	893	901	753	571	512	520
60% Exceedance	471	512	567	567	567	756	822	838	706	535	477	486
70% Exceedance	444	481	560	567	567	692	777	761	658	514	448	442
80% Exceedance	409	450	527	567	567	637	716	644	599	479	421	435
90% Exceedance	378	385	444	544	537	592	557	577	531	446	384	380
Full Simulation Period Average[a]	523	499	535	554	557	707	799	825	751	624	559	551
Wet Water Years (28%)	644	558	564	567	567	751	894	952	904	794	717	689
Above Normal Water Years (14%)	546	534	557	566	567	756	887	935	839	665	618	588
Below Normal Water Years (18%)	490	508	547	561	557	738	860	864	757	597	524	508
Dry Water Years (24%)	501	496	531	560	557	688	772	770	689	549	497	521
Critical Water Years (16%)	348	349	453	504	529	580	529	547	494	431	362	368

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-1c. Folsom Lake Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-6	0	0
20% Exceedance	11	0	0	0	0	0	0	0	-3	7	47	69
30% Exceedance	67	11	0	0	0	0	0	0	-37	13	72	75
40% Exceedance	45	48	0	0	0	0	0	0	-52	-20	20	52
50% Exceedance	70	96	27	0	0	0	7	0	-32	2	20	65
60% Exceedance	69	94	61	0	0	61	13	8	-18	0	6	48
70% Exceedance	59	91	104	45	5	57	66	56	3	30	10	19
80% Exceedance	45	98	135	91	47	55	95	25	40	35	34	59
90% Exceedance	63	86	115	172	110	65	32	71	45	35	18	45
Full Simulation Period Average[a]	39	52	46	38	21	32	20	20	-7	15	22	44
Wet Water Years (28%)	23	25	32	0	0	1	4	6	-19	13	24	35
Above Normal Water Years (14%)	62	87	55	9	2	11	8	4	-19	32	48	70
Below Normal Water Years (18%)	36	75	62	21	-3	26	23	18	-34	21	23	31
Dry Water Years (24%)	65	57	61	88	40	55	56	45	32	17	26	74
Critical Water Years (16%)	7	31	23	74	76	77	0	23	-6	-9	-14	6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-2a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-2b. Folsom Lake Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	884	792	752
20% Exceedance	681	567	567	567	567	756	900	967	967	810	738	694
30% Exceedance	571	556	567	567	567	756	900	967	937	729	643	590
40% Exceedance	507	498	567	567	567	756	900	967	877	651	549	511
50% Exceedance	450	441	533	567	567	756	864	899	773	552	478	450
60% Exceedance	401	411	489	567	567	691	805	812	692	521	450	435
70% Exceedance	380	383	438	532	567	639	731	688	660	469	418	411
80% Exceedance	338	352	399	454	525	580	597	568	537	428	374	360
90% Exceedance	306	314	365	388	452	509	514	471	453	386	329	321
Full Simulation Period Average[a]	478	445	489	519	539	677	773	795	747	602	529	499
Wet Water Years (28%)	622	533	530	567	567	750	890	947	922	786	698	657
Above Normal Water Years (14%)	475	438	494	559	567	745	880	928	847	640	569	512
Below Normal Water Years (18%)	464	445	493	545	558	712	843	842	789	588	504	478
Dry Water Years (24%)	423	431	472	482	527	647	726	716	653	515	446	427
Critical Water Years (16%)	317	311	428	427	461	498	466	481	446	397	351	343

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-2c. Folsom Lake Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-12	0	0
20% Exceedance	-1	0	0	0	0	0	0	0	0	-6	-7	11
30% Exceedance	-15	0	0	0	0	0	0	0	-1	-1	-9	-14
40% Exceedance	-9	-20	0	0	0	0	0	0	0	8	-21	-27
50% Exceedance	-4	-12	-6	0	0	0	-22	-2	-12	-17	-14	-5
60% Exceedance	-1	-6	-17	0	0	-3	-4	-18	-33	-14	-20	-4
70% Exceedance	-5	-8	-19	11	5	4	19	-17	5	-16	-20	-12
80% Exceedance	-25	0	7	-23	4	-3	-25	-51	-21	-16	-13	-16
90% Exceedance	-9	15	36	16	25	-19	-11	-35	-33	-26	-37	-15
Full Simulation Period Average[a]	-6	-2	0	3	4	3	-6	-10	-12	-7	-8	-8
Wet Water Years (28%)	1	0	-2	0	0	0	0	0	-1	5	4	3
Above Normal Water Years (14%)	-10	-9	-7	2	2	1	1	-4	-11	7	0	-6
Below Normal Water Years (18%)	10	11	8	5	-2	1	6	-4	-1	11	2	2
Dry Water Years (24%)	-13	-8	1	10	10	13	10	-9	-4	-18	-24	-20
Critical Water Years (16%)	-24	-7	-2	-3	9	-4	-62	-43	-54	-43	-25	-19

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-3a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-3b. Folsom Lake Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	886	792	752
20% Exceedance	661	567	567	567	567	756	900	967	967	807	736	685
30% Exceedance	567	547	567	567	567	756	900	967	937	727	625	587
40% Exceedance	502	494	567	567	567	756	900	967	877	645	523	503
50% Exceedance	452	430	526	567	567	756	878	894	768	545	474	439
60% Exceedance	397	401	483	567	567	692	805	832	701	515	444	429
70% Exceedance	378	380	419	515	567	645	721	695	657	469	415	407
80% Exceedance	341	345	387	451	517	581	597	574	550	430	380	365
90% Exceedance	304	310	343	387	432	506	516	474	452	371	332	324
Full Simulation Period Average[a]	475	440	482	516	537	675	772	796	747	600	524	495
Wet Water Years (28%)	621	530	529	567	567	750	890	946	922	783	695	655
Above Normal Water Years (14%)	473	436	493	559	567	745	880	928	848	632	564	507
Below Normal Water Years (18%)	461	436	485	543	560	714	842	846	790	590	501	474
Dry Water Years (24%)	416	428	464	478	526	645	726	719	653	513	441	420
Critical Water Years (16%)	314	299	411	415	448	486	464	477	444	393	342	338

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-3c. Folsom Lake Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-10	0	0
20% Exceedance	-21	0	0	0	0	0	0	0	0	-9	-9	2
30% Exceedance	-19	-9	0	0	0	0	0	0	-1	-3	-27	-16
40% Exceedance	-14	-23	0	0	0	0	0	0	0	1	-47	-35
50% Exceedance	-2	-23	-14	0	0	0	-8	-7	-17	-24	-18	-16
60% Exceedance	-5	-17	-22	0	0	-3	-4	2	-23	-20	-27	-10
70% Exceedance	-6	-10	-37	-7	5	10	9	-11	3	-15	-23	-16
80% Exceedance	-22	-7	-4	-25	-3	-1	-25	-45	-8	-14	-7	-11
90% Exceedance	-10	10	14	15	5	-21	-8	-32	-34	-41	-34	-12
Full Simulation Period Average[a]	-9	-8	-6	0	2	1	-7	-9	-11	-9	-13	-12
Wet Water Years (28%)	0	-3	-3	0	0	0	0	0	-1	2	1	1
Above Normal Water Years (14%)	-12	-11	-9	2	2	0	1	-4	-10	-1	-6	-11
Below Normal Water Years (18%)	7	2	1	3	-1	3	6	0	0	14	-1	-2
Dry Water Years (24%)	-20	-11	-6	6	9	12	9	-6	-4	-19	-30	-27
Critical Water Years (16%)	-27	-19	-19	-15	-4	-17	-65	-46	-56	-47	-34	-24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-4a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-4b. Folsom Lake Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	883	792	752
20% Exceedance	672	567	567	567	567	756	900	967	967	807	742	675
30% Exceedance	568	551	567	567	567	756	900	967	938	721	629	587
40% Exceedance	515	494	567	567	567	756	900	964	883	646	554	516
50% Exceedance	441	436	527	567	567	756	883	893	774	545	477	446
60% Exceedance	403	411	478	567	567	695	809	839	696	517	453	431
70% Exceedance	383	383	445	525	567	643	727	706	668	481	425	414
80% Exceedance	359	351	392	451	528	589	598	593	559	432	393	380
90% Exceedance	326	316	353	395	436	508	515	474	449	392	347	338
Full Simulation Period Average[a]	481	444	486	519	539	677	773	800	751	601	530	501
Wet Water Years (28%)	620	530	529	567	567	749	890	946	923	781	694	654
Above Normal Water Years (14%)	475	438	494	559	567	745	880	925	847	626	561	510
Below Normal Water Years (18%)	455	435	484	540	559	713	842	850	794	578	501	473
Dry Water Years (24%)	441	439	473	484	528	647	730	731	666	530	461	442
Critical Water Years (16%)	320	309	421	427	460	498	464	480	447	394	353	347

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-4c. Folsom Lake Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-12	0	0
20% Exceedance	-10	0	0	0	0	0	0	0	0	-10	-3	-8
30% Exceedance	-19	-5	0	0	0	0	0	0	0	-9	-23	-16
40% Exceedance	-2	-24	0	0	0	0	0	-3	6	2	-16	-23
50% Exceedance	-12	-17	-13	0	0	0	-4	-8	-11	-25	-15	-9
60% Exceedance	0	-7	-28	0	0	1	0	9	-29	-18	-18	-7
70% Exceedance	-1	-8	-12	3	5	8	15	1	13	-3	-13	-9
80% Exceedance	-5	0	1	-25	8	6	-24	-26	1	-12	6	4
90% Exceedance	11	16	24	22	9	-19	-10	-32	-37	-19	-19	2
Full Simulation Period Average[a]	-3	-3	-3	3	4	3	-6	-6	-7	-8	-7	-5
Wet Water Years (28%)	-1	-3	-3	0	0	0	0	0	0	0	1	0
Above Normal Water Years (14%)	-9	-8	-8	2	2	0	1	-7	-11	-7	-9	-8
Below Normal Water Years (18%)	2	1	-1	0	-1	2	5	4	4	2	-1	-3
Dry Water Years (24%)	5	0	2	12	10	14	14	6	10	-2	-9	-5
Critical Water Years (16%)	-21	-9	-9	-3	8	-5	-65	-44	-54	-46	-23	-15

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-5a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-5b. Folsom Lake Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	888	792	752
20% Exceedance	687	567	567	567	567	756	900	967	967	815	748	707
30% Exceedance	594	562	567	567	567	756	900	967	937	731	669	596
40% Exceedance	507	527	567	567	567	756	900	967	890	667	561	512
50% Exceedance	454	451	538	567	567	756	883	899	789	583	482	463
60% Exceedance	409	421	496	567	567	698	808	828	712	526	458	437
70% Exceedance	383	388	456	537	567	651	740	710	664	500	428	414
80% Exceedance	344	354	402	472	544	597	660	613	576	446	393	369
90% Exceedance	321	317	365	396	454	525	554	499	467	396	345	336
Full Simulation Period Average[a]	488	454	494	522	541	683	789	808	762	615	540	510
Wet Water Years (28%)	622	533	530	567	567	750	890	947	922	786	698	657
Above Normal Water Years (14%)	474	438	494	559	567	745	880	928	847	640	567	510
Below Normal Water Years (18%)	463	445	492	550	561	714	843	841	789	590	504	479
Dry Water Years (24%)	423	432	473	483	527	647	728	718	654	515	447	427
Critical Water Years (16%)	387	368	462	440	472	532	562	558	541	474	420	411

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-5c. Folsom Lake Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-7	0	0
20% Exceedance	5	0	0	0	0	0	0	0	0	-2	3	24
30% Exceedance	7	6	0	0	0	0	0	0	-1	1	17	-7
40% Exceedance	-10	10	0	0	0	0	0	0	13	24	-9	-26
50% Exceedance	1	-3	-1	0	0	0	-4	-2	4	14	-10	8
60% Exceedance	7	4	-9	0	0	4	-1	-2	-12	-9	-13	-2
70% Exceedance	-1	-3	0	16	5	16	28	5	9	16	-10	-9
80% Exceedance	-19	2	11	-4	24	14	38	-6	18	2	6	-6
90% Exceedance	6	17	36	24	27	-2	29	-7	-19	-16	-21	0
Full Simulation Period Average[a]	4	7	5	6	6	9	9	2	4	6	2	3
Wet Water Years (28%)	1	0	-2	0	0	0	0	0	-1	5	4	3
Above Normal Water Years (14%)	-10	-9	-7	2	2	1	1	-4	-12	7	-3	-8
Below Normal Water Years (18%)	9	11	7	10	0	3	6	-4	-1	14	2	3
Dry Water Years (24%)	-13	-6	3	11	10	14	11	-7	-2	-17	-24	-20
Critical Water Years (16%)	46	50	32	10	20	29	33	34	41	34	44	49

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-6a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-6b. Folsom Lake Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	900	792	752
20% Exceedance	694	567	567	567	567	756	900	967	967	807	732	724
30% Exceedance	588	567	567	567	567	756	870	941	960	745	661	610
40% Exceedance	554	535	565	567	567	756	827	877	887	697	583	553
50% Exceedance	486	486	529	567	567	739	778	840	805	635	517	474
60% Exceedance	438	435	506	562	567	652	724	759	752	588	496	462
70% Exceedance	409	409	463	531	562	613	655	636	647	535	451	437
80% Exceedance	380	381	431	467	521	566	587	569	551	467	411	396
90% Exceedance	328	344	393	422	469	490	483	465	488	420	382	357
Full Simulation Period Average[a]	504	467	498	523	539	663	734	763	763	639	553	524
Wet Water Years (28%)	630	539	536	567	566	743	869	925	928	784	693	664
Above Normal Water Years (14%)	520	472	518	561	566	727	807	849	859	697	599	554
Below Normal Water Years (18%)	501	483	511	546	563	678	749	770	782	652	553	520
Dry Water Years (24%)	449	447	479	490	524	633	677	698	682	568	478	455
Critical Water Years (16%)	343	343	421	436	460	496	503	498	487	428	377	364

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-6c. Folsom Lake Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	5	0	0
20% Exceedance	12	0	0	0	0	0	0	0	0	-9	-13	41
30% Exceedance	1	11	0	0	0	0	-30	-26	22	16	9	7
40% Exceedance	38	18	-2	0	0	0	-73	-90	10	54	13	14
50% Exceedance	33	33	-11	0	0	-17	-109	-60	20	66	25	19
60% Exceedance	36	17	0	-5	0	-42	-84	-71	27	53	26	23
70% Exceedance	25	18	7	9	0	-22	-57	-69	-8	51	12	14
80% Exceedance	17	30	40	-9	1	-16	-35	-50	-8	23	24	20
90% Exceedance	14	44	64	50	42	-37	-42	-41	2	8	16	21
Full Simulation Period Average[a]	20	20	9	7	3	-11	-45	-42	4	30	15	18
Wet Water Years (28%)	9	6	4	0	-1	-7	-21	-22	5	3	0	10
Above Normal Water Years (14%)	35	25	17	3	1	-18	-72	-83	1	64	29	36
Below Normal Water Years (18%)	47	49	26	6	2	-33	-87	-76	-8	76	51	44
Dry Water Years (24%)	13	8	9	19	7	0	-39	-28	26	36	8	8
Critical Water Years (16%)	2	25	-9	6	8	-7	-26	-26	-13	-12	1	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-7a. Folsom Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	896	792	752
20% Exceedance	682	567	567	567	567	756	900	967	967	816	745	683
30% Exceedance	586	556	567	567	567	756	900	967	938	730	652	603
40% Exceedance	516	517	567	567	567	756	900	967	877	643	570	538
50% Exceedance	453	453	540	567	567	756	887	900	785	569	492	455
60% Exceedance	402	418	506	567	567	695	809	830	725	535	470	438
70% Exceedance	384	390	457	522	562	635	712	705	655	484	438	423
80% Exceedance	363	351	391	476	520	582	622	619	559	444	387	376
90% Exceedance	315	300	329	372	427	527	525	506	486	412	366	336
Full Simulation Period Average[a]	484	447	489	516	535	675	779	806	758	609	537	507
Wet Water Years (28%)	621	533	532	567	567	750	890	947	923	781	693	654
Above Normal Water Years (14%)	484	447	502	557	565	745	879	932	858	633	570	518
Below Normal Water Years (18%)	454	433	485	540	560	711	836	846	790	576	502	476
Dry Water Years (24%)	436	439	470	472	518	633	716	725	657	532	471	447
Critical Water Years (16%)	341	318	430	430	452	503	529	524	500	440	376	362

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-7b. Folsom Lake Storage, Alternative 4, End-of-Month Storage (TAF)

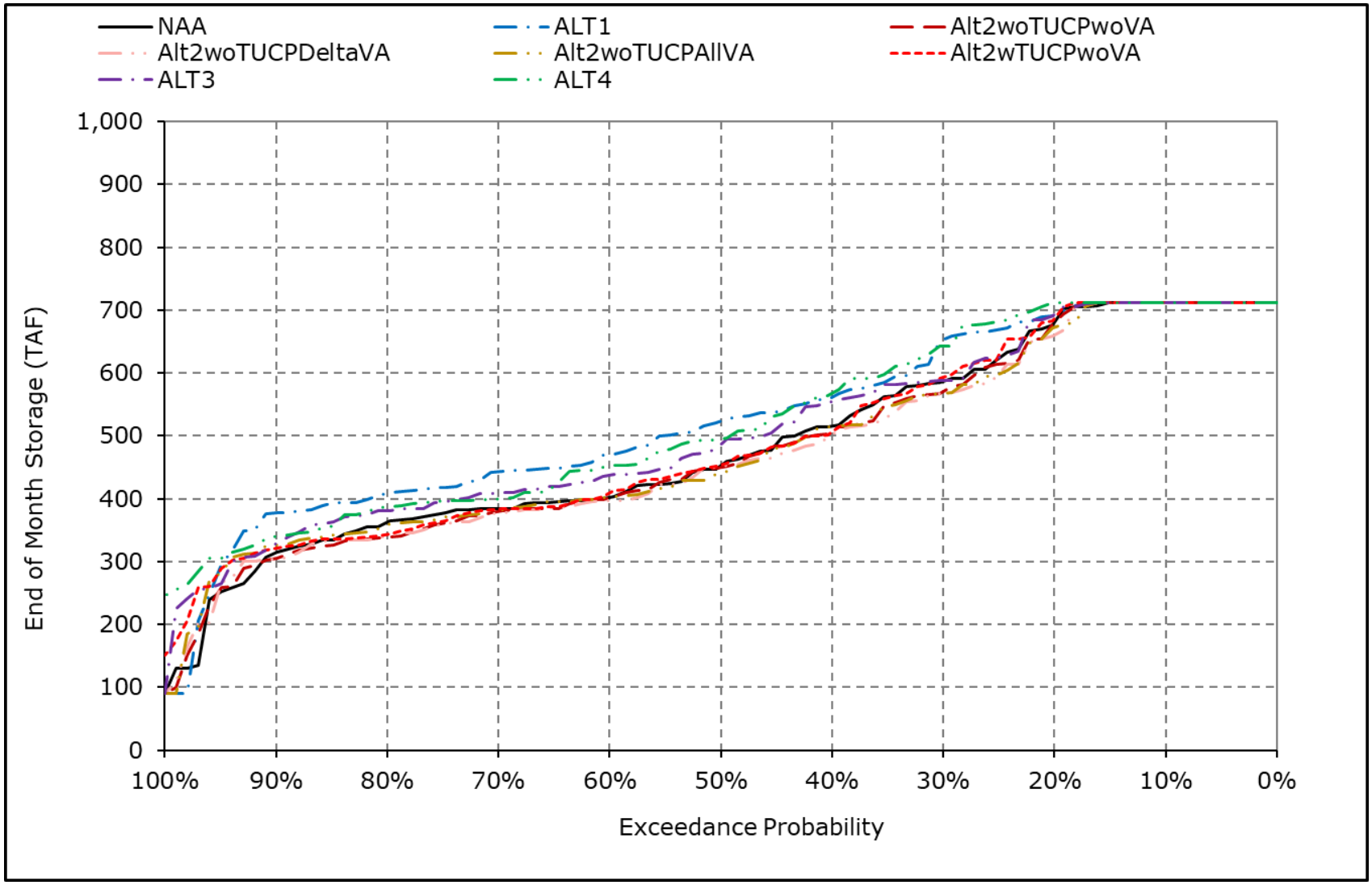
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	887	792	752
20% Exceedance	712	567	567	567	567	756	900	967	967	821	760	737
30% Exceedance	642	567	567	567	567	756	900	967	940	735	677	645
40% Exceedance	568	546	567	567	567	756	900	967	881	648	579	572
50% Exceedance	495	495	567	567	567	756	884	899	790	587	506	501
60% Exceedance	452	459	539	567	567	723	806	842	718	557	488	460
70% Exceedance	400	424	492	567	567	673	748	727	684	524	463	450
80% Exceedance	387	391	455	532	567	631	694	667	626	474	412	401
90% Exceedance	340	345	413	435	511	562	609	549	500	427	375	356
Full Simulation Period Average[a]	520	478	518	540	551	696	800	824	776	631	562	538
Wet Water Years (28%)	647	548	547	567	567	749	890	946	922	791	707	681
Above Normal Water Years (14%)	537	486	533	567	567	745	880	931	856	649	592	563
Below Normal Water Years (18%)	469	457	506	556	561	720	845	850	788	587	515	486
Dry Water Years (24%)	466	464	498	529	554	678	753	753	687	556	491	470
Critical Water Years (16%)	411	388	493	467	495	561	592	591	569	494	440	430

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-7-7c. Folsom Lake Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

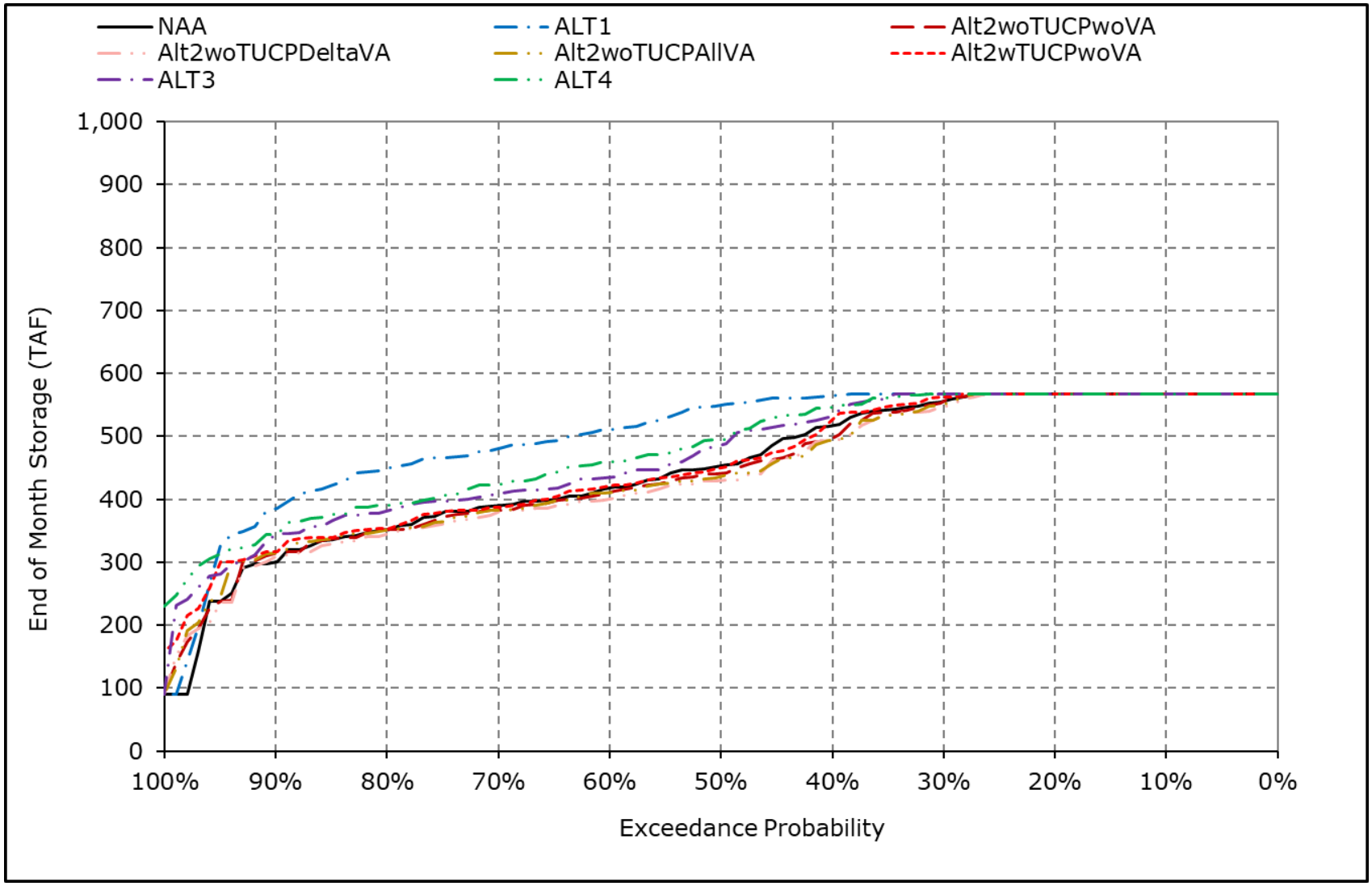
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-9	0	0
20% Exceedance	30	0	0	0	0	0	0	0	0	5	16	54
30% Exceedance	56	11	0	0	0	0	0	0	2	6	25	42
40% Exceedance	52	29	0	0	0	0	0	0	4	5	9	33
50% Exceedance	42	41	27	0	0	0	-3	-2	5	18	13	46
60% Exceedance	49	42	33	0	0	28	-3	11	-7	22	17	21
70% Exceedance	16	33	36	45	5	38	36	22	29	39	25	27
80% Exceedance	24	40	64	55	47	49	72	48	68	30	25	26
90% Exceedance	26	45	84	63	84	35	84	43	14	15	9	21
Full Simulation Period Average[a]	36	31	29	24	16	21	20	18	17	22	25	32
Wet Water Years (28%)	26	15	16	0	0	-1	0	0	-1	10	13	26
Above Normal Water Years (14%)	53	39	31	10	2	1	1	0	-2	16	22	45
Below Normal Water Years (18%)	15	24	22	16	1	8	9	4	-2	11	14	10
Dry Water Years (24%)	30	25	28	57	37	45	36	28	31	24	21	23
Critical Water Years (16%)	69	70	63	37	42	59	63	68	69	54	64	68

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



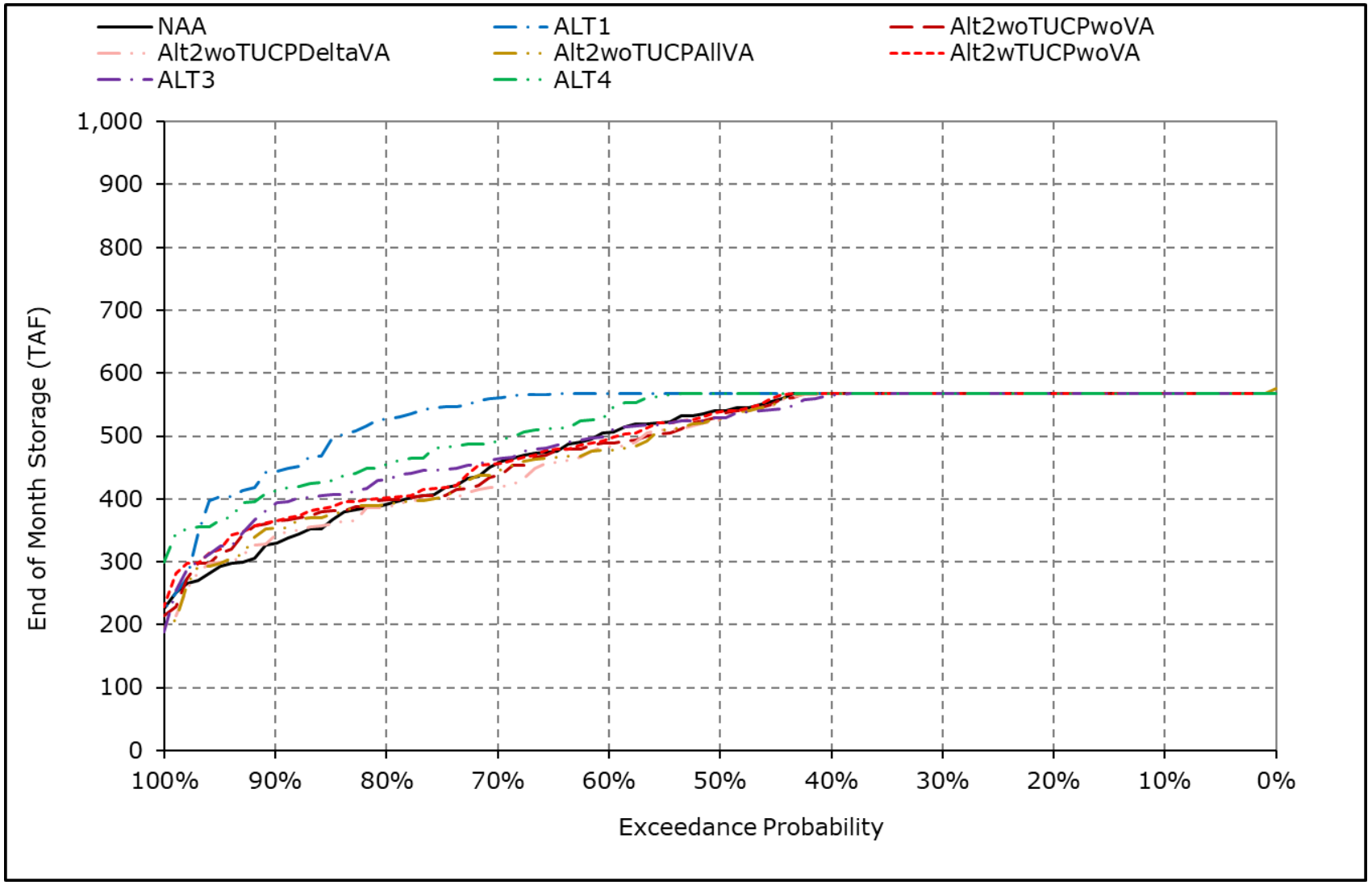
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-1. Folsom Lake Storage, October



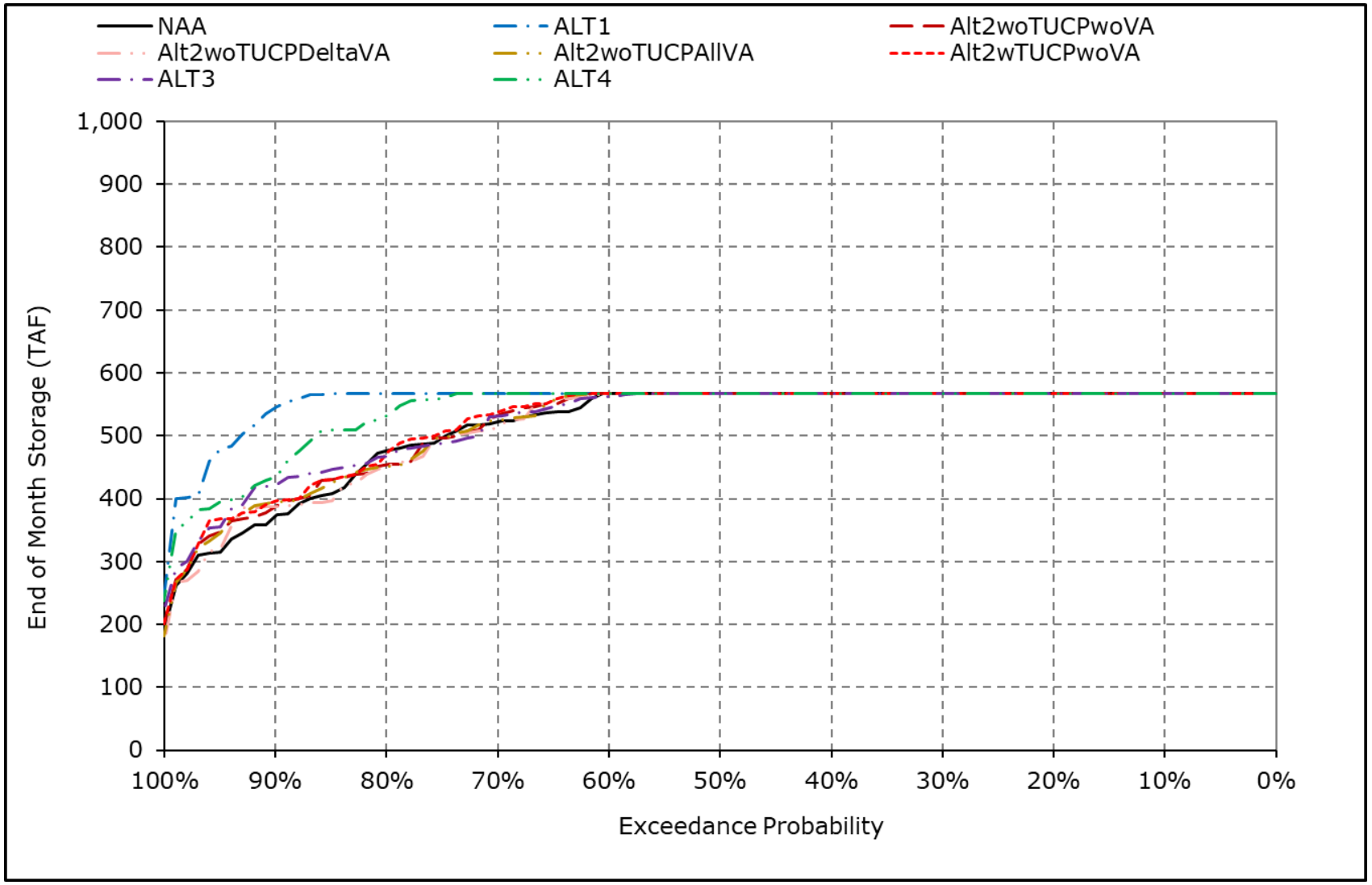
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-2. Folsom Lake Storage, November



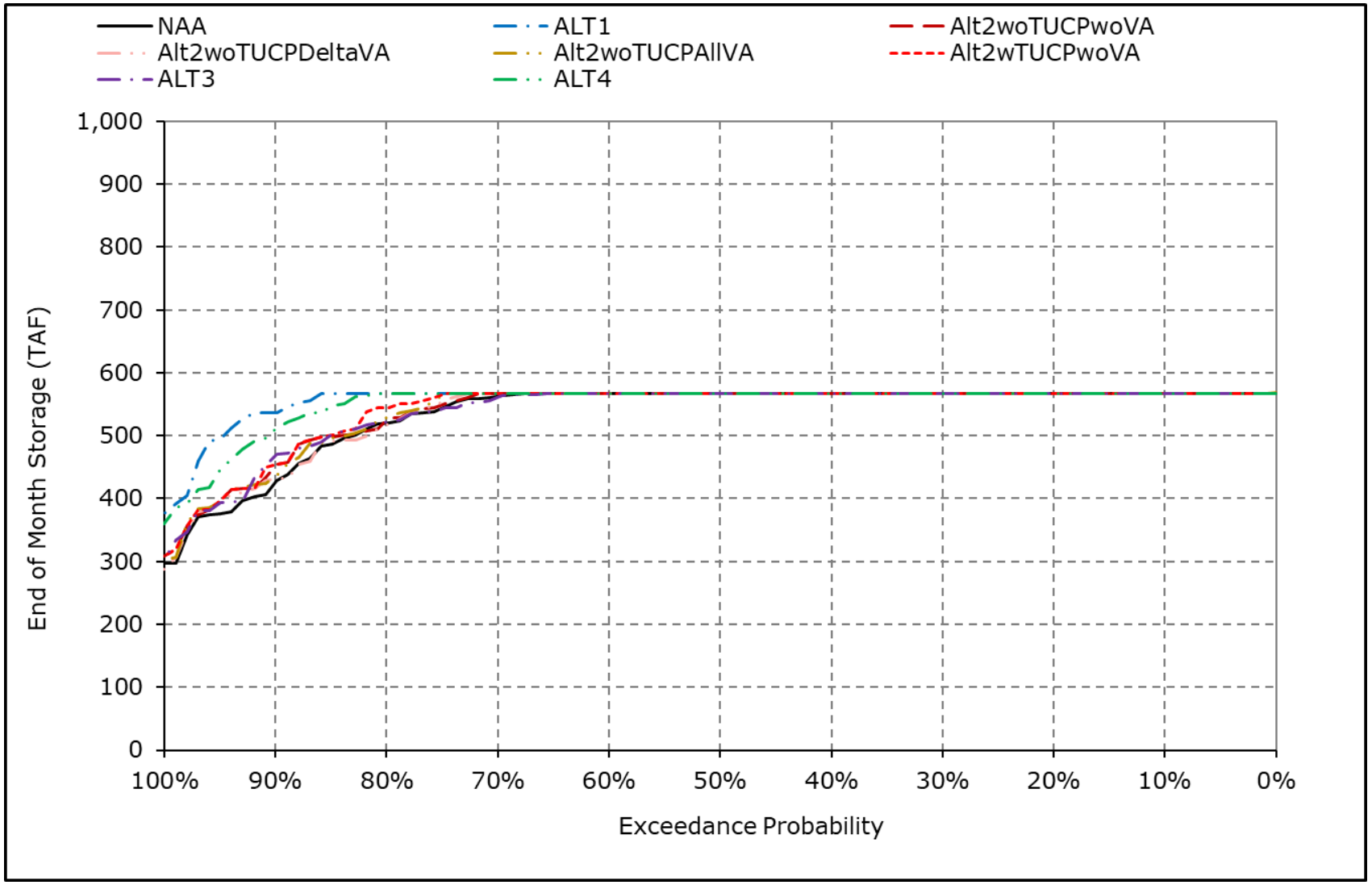
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-3. Folsom Lake Storage, December



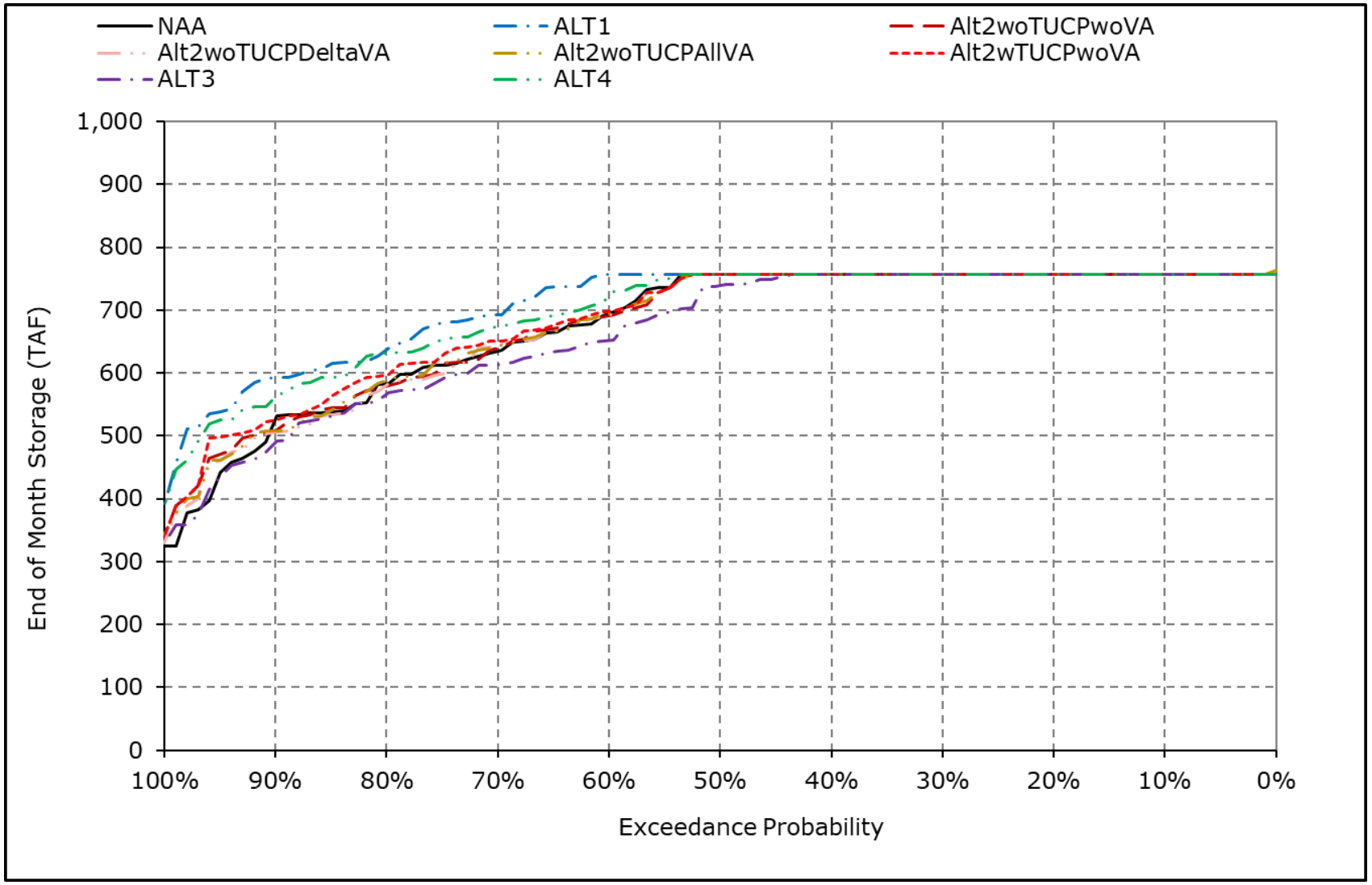
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-4. Folsom Lake Storage, January



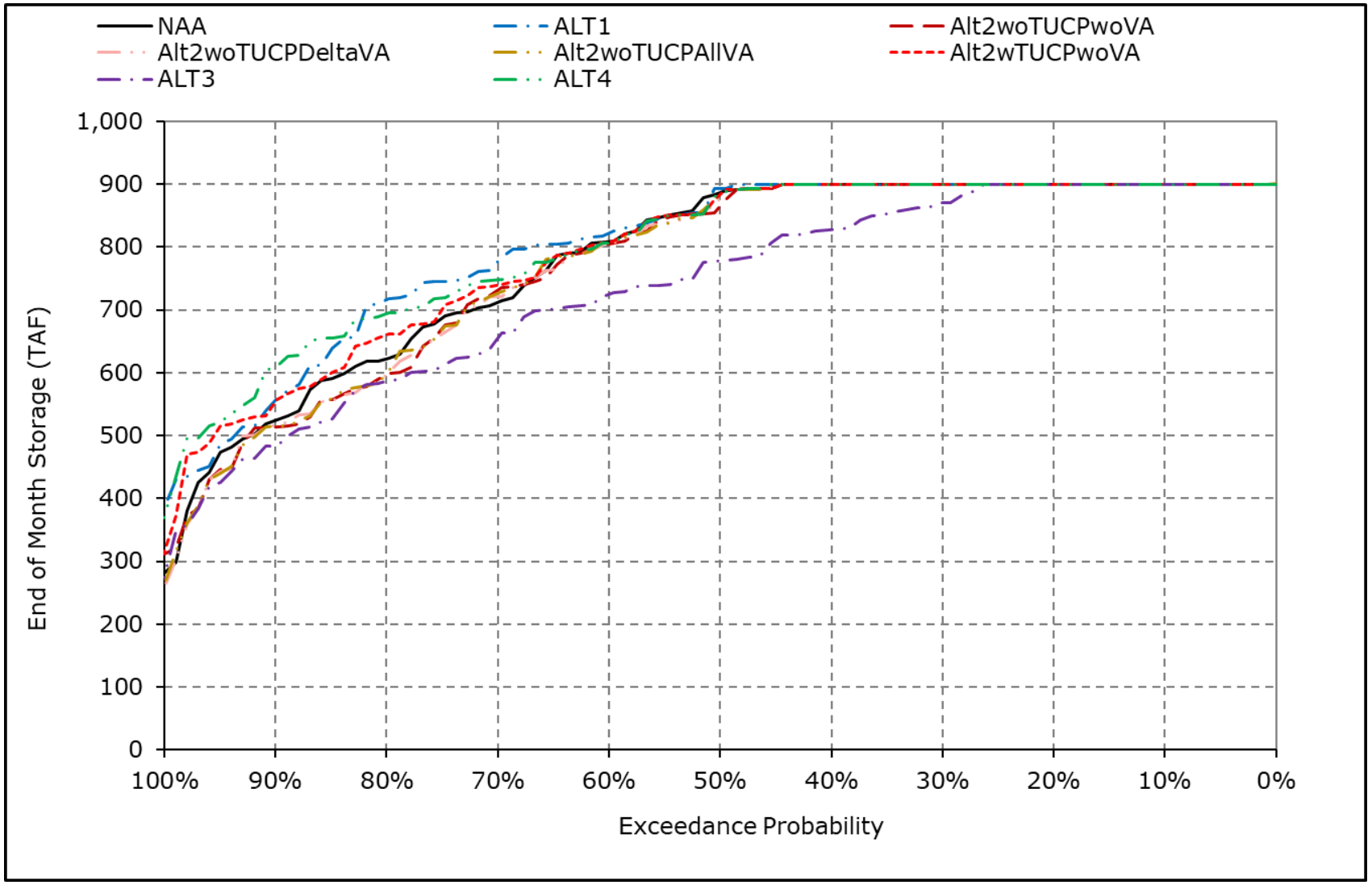
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-5. Folsom Lake Storage, February



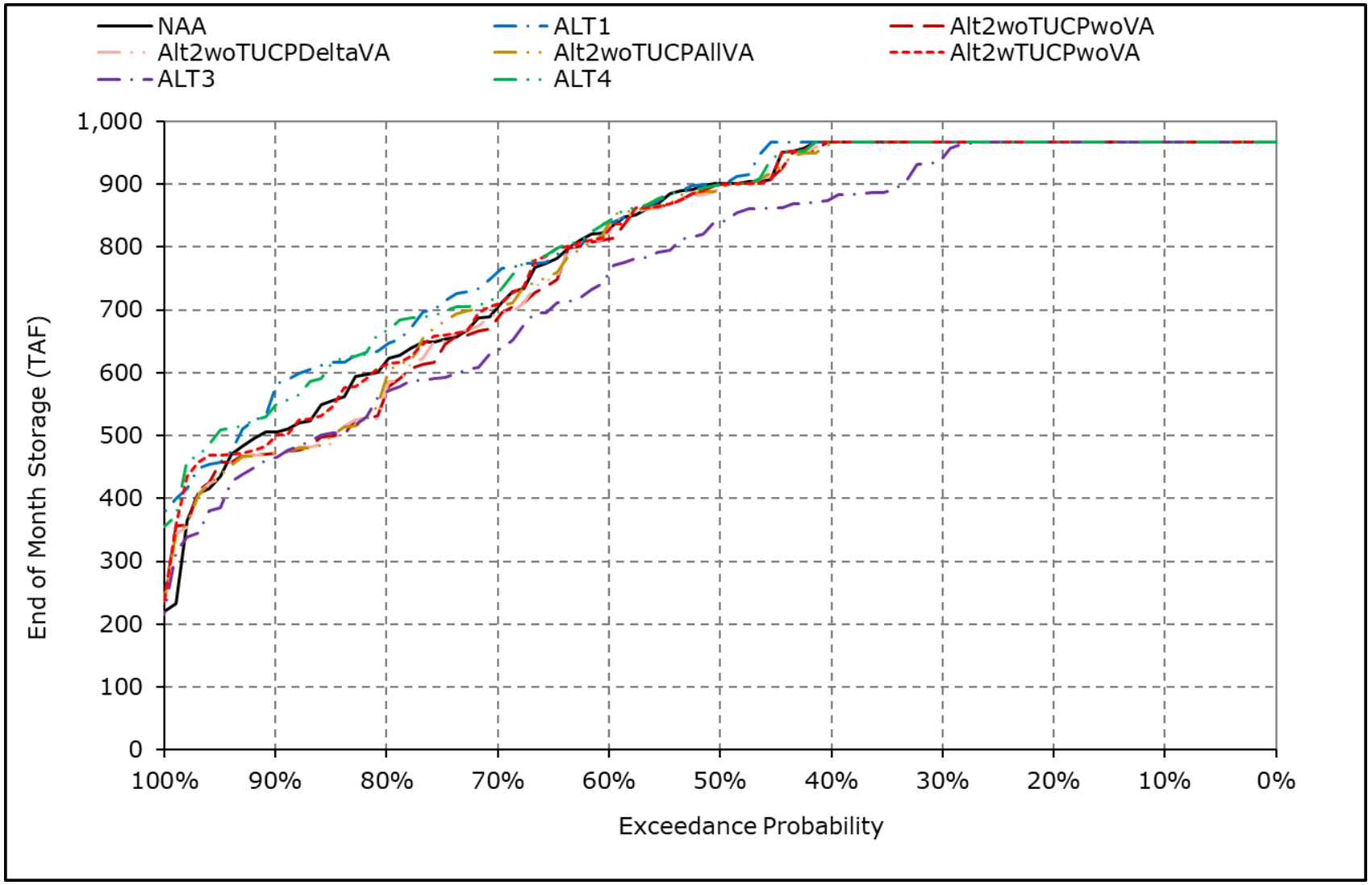
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-6. Folsom Lake Storage, March



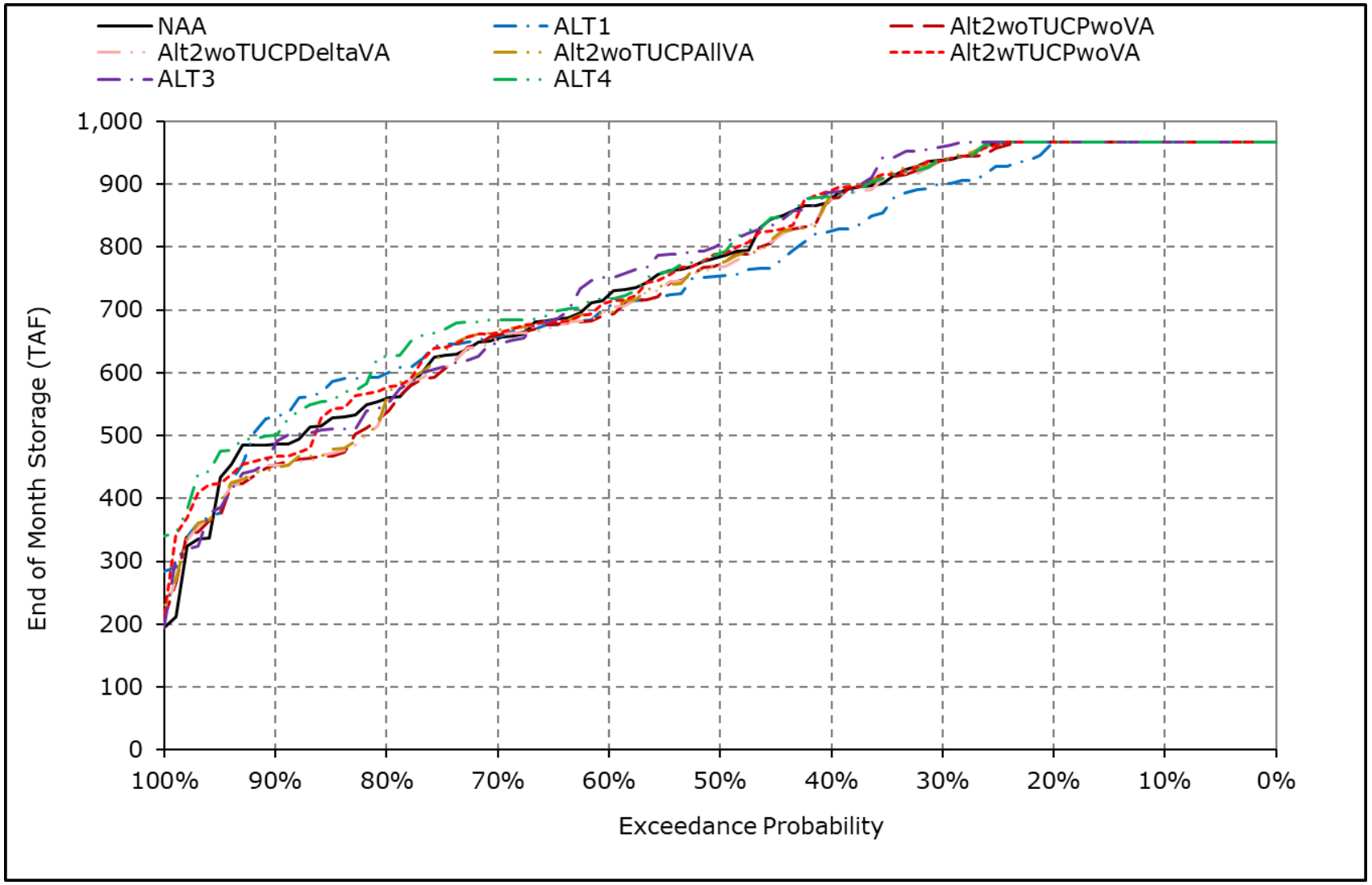
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-7. Folsom Lake Storage, April



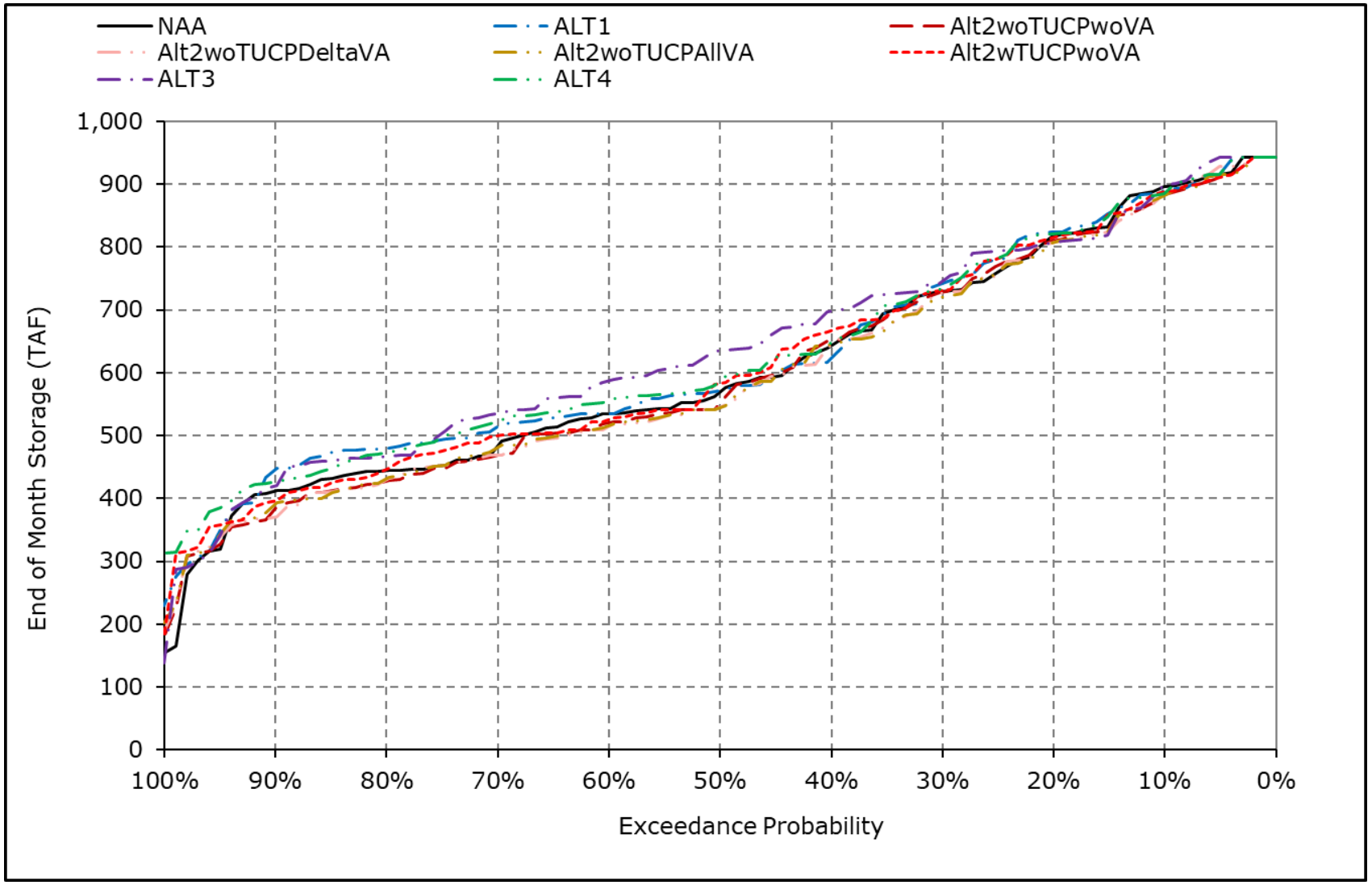
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-8. Folsom Lake Storage, May



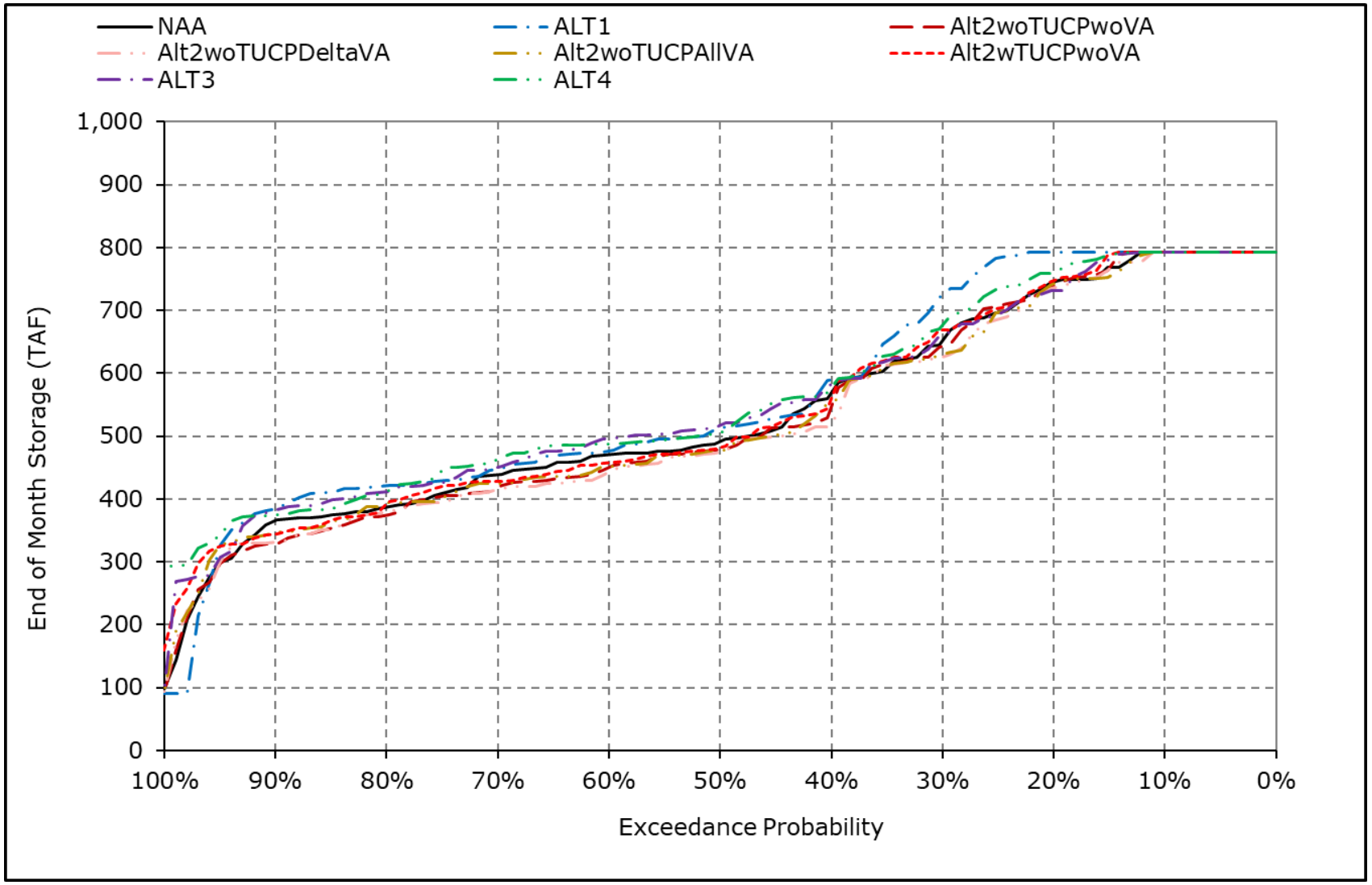
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-9. Folsom Lake Storage, June



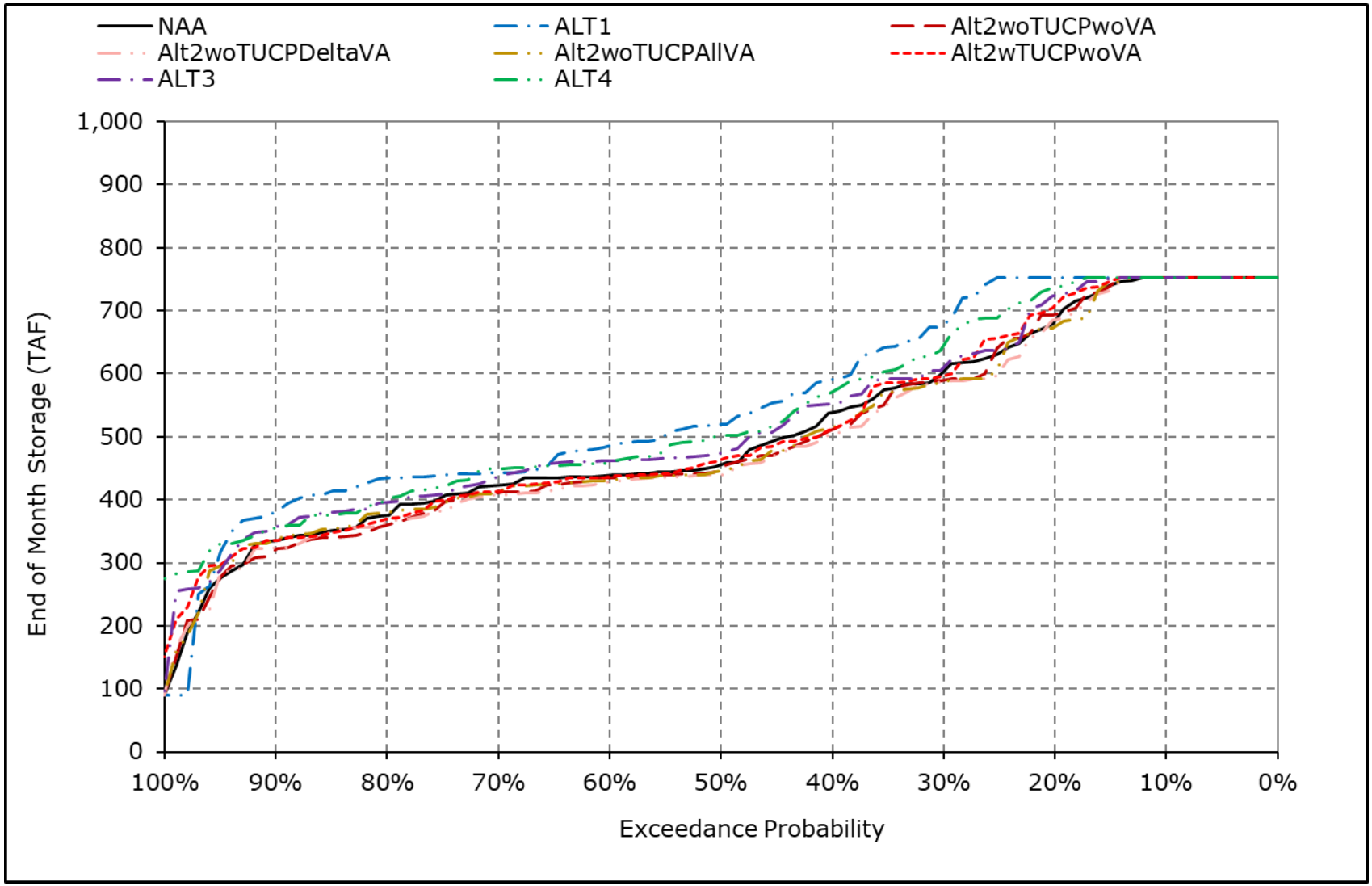
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-10. Folsom Lake Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-11. Folsom Lake Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-7-12. Folsom Lake Storage, September

Table F.2.1-8-1a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-1b. Folsom Lake Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	439	424	424	424	424	446	460	466	466	452	449	445
30% Exceedance	435	424	424	424	424	446	460	466	460	444	442	438
40% Exceedance	424	424	424	424	424	446	460	466	452	431	427	427
50% Exceedance	419	422	424	424	424	446	459	460	445	425	417	419
60% Exceedance	412	417	424	424	424	446	452	453	441	420	413	414
70% Exceedance	409	414	424	424	424	439	448	446	436	418	410	409
80% Exceedance	405	410	419	424	424	433	442	434	428	413	406	408
90% Exceedance	401	402	409	422	421	427	423	426	420	409	402	401
Full Simulation Period Average[a]	417	415	420	423	423	440	449	452	444	430	421	420
Wet Water Years (28%)	433	423	424	424	424	445	459	465	460	449	441	438
Above Normal Water Years (14%)	422	420	423	424	424	445	458	463	454	435	430	426
Below Normal Water Years (18%)	415	417	422	424	423	444	456	456	445	427	419	417
Dry Water Years (24%)	416	415	420	423	423	438	447	446	438	422	415	418
Critical Water Years (16%)	389	390	409	416	420	426	419	421	414	406	391	392

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-1c. Folsom Lake Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	1	0	0	0	0	0	0	0	0	1	5	7
30% Exceedance	8	1	0	0	0	0	0	0	-4	1	7	9
40% Exceedance	6	6	0	0	0	0	0	0	-5	-2	2	7
50% Exceedance	9	12	3	0	0	0	1	0	-3	0	2	8
60% Exceedance	9	12	8	0	0	6	1	1	-2	0	1	6
70% Exceedance	7	11	13	6	1	6	6	5	0	4	1	2
80% Exceedance	6	13	17	11	6	7	10	3	5	4	4	8
90% Exceedance	10	14	16	22	14	8	4	9	6	4	3	7
Full Simulation Period Average[a]	5	7	6	5	3	4	2	2	0	2	2	5
Wet Water Years (28%)	3	3	4	0	0	0	0	1	-2	1	2	4
Above Normal Water Years (14%)	8	11	7	1	0	1	1	0	-2	3	5	8
Below Normal Water Years (18%)	5	10	8	3	0	3	2	2	-3	3	3	4
Dry Water Years (24%)	8	8	8	11	5	7	6	5	4	2	3	9
Critical Water Years (16%)	1	6	3	10	10	10	1	4	1	1	-5	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-2a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-2b. Folsom Lake Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	439
30% Exceedance	425	423	424	424	424	446	460	466	463	443	434	427
40% Exceedance	417	416	424	424	424	446	460	466	457	435	422	417
50% Exceedance	410	409	420	424	424	446	456	459	447	422	413	410
60% Exceedance	404	405	415	424	424	439	450	451	439	419	410	408
70% Exceedance	401	401	408	420	424	433	443	439	436	412	406	405
80% Exceedance	394	396	403	410	419	426	428	425	421	407	400	398
90% Exceedance	389	390	399	402	410	417	418	412	410	402	393	391
Full Simulation Period Average[a]	411	408	414	418	421	437	446	448	443	427	418	414
Wet Water Years (28%)	431	420	420	424	424	445	459	464	462	448	439	434
Above Normal Water Years (14%)	413	408	415	423	424	444	458	462	454	432	424	417
Below Normal Water Years (18%)	411	409	415	422	423	441	454	454	448	426	416	413
Dry Water Years (24%)	405	407	412	413	419	433	442	440	434	417	409	406
Critical Water Years (16%)	385	386	406	406	411	416	411	413	408	401	392	391

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-2c. Folsom Lake Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	-1	-1	1
30% Exceedance	-2	0	0	0	0	0	0	0	0	0	-1	-2
40% Exceedance	-1	-2	0	0	0	0	0	0	0	1	-3	-3
50% Exceedance	0	-2	-1	0	0	0	-2	0	-1	-2	-2	-1
60% Exceedance	0	-1	-2	0	0	0	0	-2	-3	-2	-3	0
70% Exceedance	-1	-1	-2	1	1	1	2	-2	1	-2	-2	-1
80% Exceedance	-4	0	1	-3	1	0	-3	-6	-3	-2	-2	-3
90% Exceedance	-1	2	6	2	3	-2	-1	-4	-4	-3	-6	-2
Full Simulation Period Average[a]	-1	0	0	0	0	0	-1	-1	-1	-1	-1	-1
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	1	0	0
Above Normal Water Years (14%)	-1	-1	-1	0	0	0	0	0	-1	1	0	-1
Below Normal Water Years (18%)	1	2	1	1	0	0	1	0	0	2	0	0
Dry Water Years (24%)	-2	-1	0	1	1	2	1	-1	-1	-2	-3	-3
Critical Water Years (16%)	-3	2	0	0	1	0	-7	-4	-5	-4	-3	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-3a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-3b. Folsom Lake Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	436	424	424	424	424	446	460	466	466	451	444	439
30% Exceedance	424	422	424	424	424	446	460	466	463	443	432	427
40% Exceedance	416	415	424	424	424	446	460	466	457	434	419	416
50% Exceedance	410	407	419	424	424	446	457	459	447	422	413	408
60% Exceedance	403	404	414	424	424	439	450	453	440	418	409	407
70% Exceedance	401	401	406	418	424	434	442	440	436	412	405	404
80% Exceedance	395	395	402	410	418	426	428	425	422	407	401	399
90% Exceedance	389	389	395	402	407	417	418	413	410	400	393	392
Full Simulation Period Average[a]	411	407	413	418	421	436	446	448	443	427	417	414
Wet Water Years (28%)	430	420	419	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	412	408	415	423	424	444	458	462	454	431	423	417
Below Normal Water Years (18%)	410	408	414	421	423	441	454	454	449	426	416	412
Dry Water Years (24%)	405	406	411	413	419	433	442	441	434	417	408	405
Critical Water Years (16%)	385	384	404	404	409	414	411	412	408	401	391	390

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-3c. Folsom Lake Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	-2	0	0	0	0	0	0	0	0	-1	-1	0
30% Exceedance	-2	-1	0	0	0	0	0	0	0	0	-3	-2
40% Exceedance	-2	-3	0	0	0	0	0	0	0	0	-6	-4
50% Exceedance	0	-3	-2	0	0	0	-1	-1	-2	-3	-2	-2
60% Exceedance	-1	-2	-3	0	0	0	0	0	-2	-2	-3	-1
70% Exceedance	-1	-1	-5	-1	1	1	1	-1	0	-2	-3	-2
80% Exceedance	-4	-1	0	-3	0	0	-3	-6	-1	-2	-1	-2
90% Exceedance	-2	2	2	2	1	-3	-1	-4	-4	-5	-6	-2
Full Simulation Period Average[a]	-1	-1	-1	0	0	0	-1	-1	-1	-1	-2	-1
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	-2	-1	-1	0	0	0	0	0	-1	0	-1	-1
Below Normal Water Years (18%)	1	0	0	0	0	0	1	0	0	2	0	0
Dry Water Years (24%)	-3	-2	-1	1	1	1	1	-1	0	-2	-4	-4
Critical Water Years (16%)	-3	0	-2	-2	0	-2	-8	-5	-6	-4	-4	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-4a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-4b. Folsom Lake Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	437	424	424	424	424	446	460	466	466	450	444	438
30% Exceedance	424	422	424	424	424	446	460	466	463	442	432	427
40% Exceedance	418	415	424	424	424	446	460	466	458	434	423	418
50% Exceedance	409	408	419	424	424	446	458	459	447	422	413	409
60% Exceedance	404	405	413	424	424	440	451	454	440	418	410	407
70% Exceedance	401	401	409	419	424	434	443	441	437	414	407	405
80% Exceedance	398	396	403	410	420	427	428	428	423	408	403	401
90% Exceedance	392	390	397	403	408	417	418	413	410	403	396	394
Full Simulation Period Average[a]	412	408	414	418	421	437	446	448	443	427	418	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	413	408	415	423	424	444	458	462	454	431	423	417
Below Normal Water Years (18%)	410	407	413	421	423	441	454	455	449	425	416	412
Dry Water Years (24%)	408	408	412	414	419	433	442	442	435	419	411	408
Critical Water Years (16%)	387	386	405	406	411	416	411	412	408	401	393	392

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-4c. Folsom Lake Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	-1	0	0	0	0	0	0	0	0	-1	0	-1
30% Exceedance	-2	-1	0	0	0	0	0	0	0	-1	-3	-2
40% Exceedance	0	-3	0	0	0	0	0	0	1	0	-2	-3
50% Exceedance	-2	-2	-2	0	0	0	0	-1	-1	-3	-2	-1
60% Exceedance	0	-1	-3	0	0	0	0	1	-3	-2	-2	-1
70% Exceedance	0	-1	-1	0	1	1	1	0	2	0	-2	-1
80% Exceedance	-1	0	0	-3	1	1	-3	-3	0	-1	1	1
90% Exceedance	2	3	4	3	1	-2	-1	-4	-5	-2	-3	0
Full Simulation Period Average[a]	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	-1	-1	-1	0	0	0	0	-1	-1	-1	-1	-1
Below Normal Water Years (18%)	1	0	0	0	0	0	1	0	1	0	0	0
Dry Water Years (24%)	1	0	0	2	1	2	2	1	1	0	-1	-1
Critical Water Years (16%)	-2	2	-1	0	1	0	-8	-5	-5	-4	-2	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-5a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-5b. Folsom Lake Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	439	424	424	424	424	446	460	466	466	451	445	441
30% Exceedance	428	424	424	424	424	446	460	466	463	443	437	428
40% Exceedance	417	419	424	424	424	446	460	466	459	437	424	418
50% Exceedance	410	410	421	424	424	446	458	459	449	426	414	411
60% Exceedance	405	406	416	424	424	440	451	452	441	419	411	408
70% Exceedance	401	402	411	421	424	435	444	441	436	416	407	405
80% Exceedance	395	397	404	413	421	428	436	430	426	409	403	399
90% Exceedance	391	391	399	403	410	419	423	416	412	403	395	394
Full Simulation Period Average[a]	413	409	415	419	421	437	448	449	445	429	420	416
Wet Water Years (28%)	431	420	420	424	424	445	459	464	462	448	439	434
Above Normal Water Years (14%)	412	408	415	423	424	444	458	462	454	432	424	417
Below Normal Water Years (18%)	411	409	415	422	424	441	454	454	448	426	416	413
Dry Water Years (24%)	405	407	412	414	419	433	442	440	434	417	409	406
Critical Water Years (16%)	398	396	411	407	412	420	423	422	419	411	404	402

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-5c. Folsom Lake Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	2
30% Exceedance	1	1	0	0	0	0	0	0	0	0	2	-1
40% Exceedance	-1	1	0	0	0	0	0	0	1	3	-1	-3
50% Exceedance	0	0	0	0	0	0	0	0	0	2	-1	1
60% Exceedance	1	0	-1	0	0	0	0	0	-1	-1	-2	0
70% Exceedance	0	0	0	2	1	2	3	0	1	2	-1	-1
80% Exceedance	-3	0	1	-1	3	2	5	-1	2	0	1	-1
90% Exceedance	1	3	6	3	3	0	4	-1	-2	-2	-4	0
Full Simulation Period Average[a]	1	2	1	1	1	1	1	0	1	1	1	1
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	1	0	0
Above Normal Water Years (14%)	-1	-1	-1	0	0	0	0	0	-1	1	-1	-1
Below Normal Water Years (18%)	1	2	1	1	0	0	1	-1	0	2	0	0
Dry Water Years (24%)	-2	-1	1	2	1	2	1	-1	0	-2	-3	-3
Critical Water Years (16%)	10	12	5	2	3	4	4	5	6	6	8	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-6a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-6b. Folsom Lake Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	460	449	445
20% Exceedance	439	424	424	424	424	446	460	466	466	450	443	442
30% Exceedance	427	424	424	424	424	446	457	463	465	444	436	430
40% Exceedance	423	420	424	424	424	446	452	457	458	440	426	423
50% Exceedance	414	414	420	424	424	444	448	454	450	433	418	413
60% Exceedance	408	408	417	424	424	435	442	446	445	427	416	411
70% Exceedance	405	405	411	420	424	430	435	433	434	420	410	408
80% Exceedance	401	401	407	412	419	424	427	425	422	412	405	403
90% Exceedance	393	395	403	406	412	415	414	412	414	406	401	397
Full Simulation Period Average[a]	415	411	415	419	421	435	442	445	445	431	421	418
Wet Water Years (28%)	432	421	420	424	424	444	456	462	462	448	438	435
Above Normal Water Years (14%)	418	412	418	424	424	442	450	454	455	439	428	422
Below Normal Water Years (18%)	416	414	417	422	424	437	444	446	447	433	422	418
Dry Water Years (24%)	409	409	413	415	419	432	436	438	437	424	413	410
Critical Water Years (16%)	392	392	405	407	411	415	416	414	412	404	397	395

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-6c. Folsom Lake Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	1	0	0	0	0	0	0	0	0	-1	-1	4
30% Exceedance	0	1	0	0	0	0	-3	-3	2	2	1	1
40% Exceedance	5	2	0	0	0	0	-7	-9	1	6	2	2
50% Exceedance	4	4	-1	0	0	-2	-11	-6	2	8	3	2
60% Exceedance	4	2	0	-1	0	-5	-8	-7	3	7	3	3
70% Exceedance	3	2	1	1	0	-3	-6	-8	-1	6	2	2
80% Exceedance	3	5	5	-1	0	-2	-4	-6	-1	3	3	3
90% Exceedance	2	7	10	7	5	-5	-5	-5	0	1	3	3
Full Simulation Period Average[a]	3	3	1	1	0	-1	-5	-4	0	4	2	3
Wet Water Years (28%)	1	1	1	0	0	-1	-2	-2	0	1	0	1
Above Normal Water Years (14%)	4	3	2	0	0	-2	-7	-8	0	7	4	4
Below Normal Water Years (18%)	7	7	4	1	0	-4	-9	-8	-1	9	7	6
Dry Water Years (24%)	2	1	1	3	1	0	-4	-3	3	4	1	1
Critical Water Years (16%)	4	8	-1	1	1	-1	-3	-3	-1	-1	2	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-7a. Folsom Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	459	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	451	444	438
30% Exceedance	427	423	424	424	424	446	460	466	463	443	435	429
40% Exceedance	418	418	424	424	424	446	460	466	457	434	425	421
50% Exceedance	410	410	421	424	424	446	458	460	448	425	415	410
60% Exceedance	404	406	417	424	424	440	451	453	442	420	412	408
70% Exceedance	402	402	411	419	424	433	441	441	435	414	408	406
80% Exceedance	398	396	402	413	419	426	431	431	423	409	402	400
90% Exceedance	390	388	393	400	407	419	419	417	414	405	399	394
Full Simulation Period Average[a]	412	408	414	418	420	436	447	449	444	428	419	415
Wet Water Years (28%)	430	420	420	424	424	445	459	464	462	447	438	434
Above Normal Water Years (14%)	414	409	416	423	424	444	457	463	455	432	424	418
Below Normal Water Years (18%)	409	407	413	421	424	441	453	454	449	425	416	412
Dry Water Years (24%)	407	408	412	412	418	432	441	441	434	420	412	409
Critical Water Years (16%)	388	384	406	406	410	416	419	417	413	405	395	393

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-7b. Folsom Lake Elevation, Alternative 4, End-of-Month Elevation (Feet)

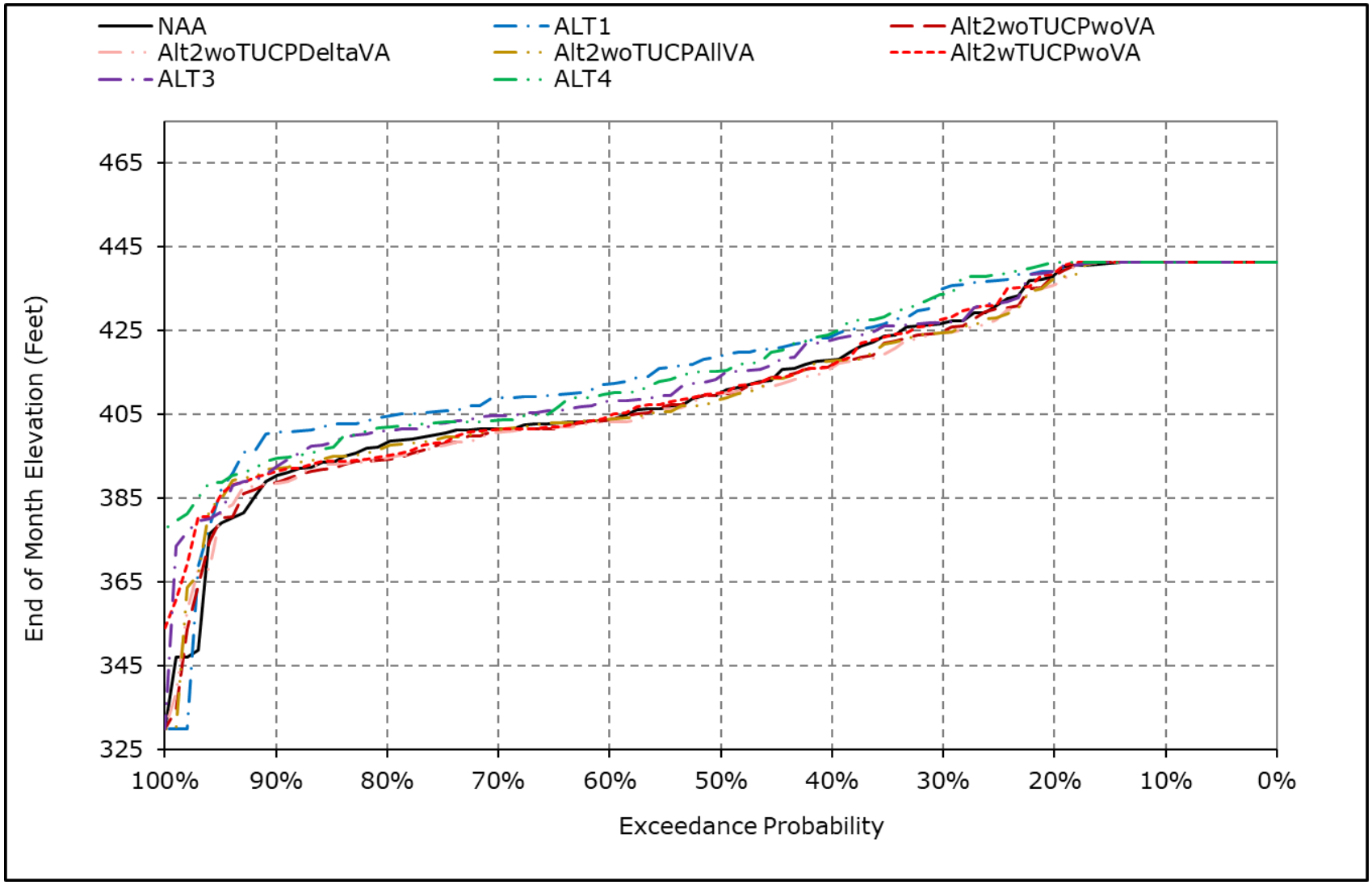
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	441	424	424	424	424	446	460	466	466	452	446	444
30% Exceedance	434	424	424	424	424	446	460	466	463	443	438	434
40% Exceedance	424	422	424	424	424	446	460	466	458	434	426	425
50% Exceedance	415	415	424	424	424	446	458	459	449	427	417	416
60% Exceedance	410	411	421	424	424	442	450	454	442	423	414	411
70% Exceedance	404	406	415	424	424	437	445	443	438	419	411	410
80% Exceedance	402	402	410	420	424	432	439	437	432	413	405	404
90% Exceedance	395	395	405	408	417	424	430	422	416	407	400	397
Full Simulation Period Average[a]	418	413	418	421	422	439	449	451	446	431	423	420
Wet Water Years (28%)	434	422	422	424	424	445	459	464	462	448	440	437
Above Normal Water Years (14%)	421	414	420	424	424	444	458	463	455	433	427	423
Below Normal Water Years (18%)	412	410	417	423	424	442	454	454	448	426	418	414
Dry Water Years (24%)	411	411	416	420	423	437	445	445	438	423	415	412
Critical Water Years (16%)	403	400	415	411	415	424	427	426	423	414	407	406

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-8-7c. Folsom Lake Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

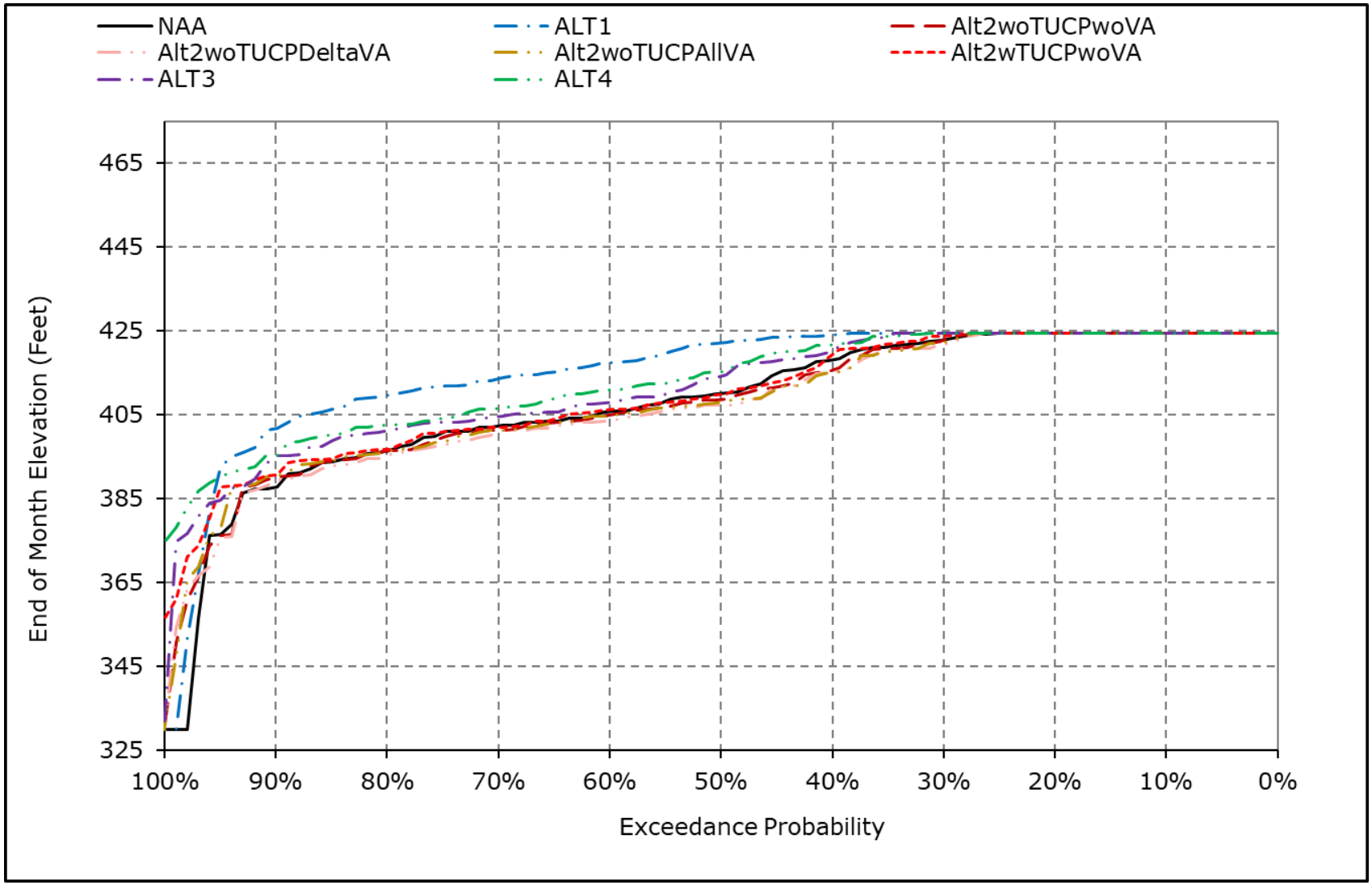
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	3	0	0	0	0	0	0	0	0	0	2	5
30% Exceedance	7	1	0	0	0	0	0	0	0	1	3	5
40% Exceedance	6	4	0	0	0	0	0	0	0	1	1	4
50% Exceedance	5	5	3	0	0	0	0	0	0	2	2	6
60% Exceedance	6	5	4	0	0	3	0	1	-1	3	2	3
70% Exceedance	2	4	4	6	1	5	3	2	3	5	3	3
80% Exceedance	4	6	8	7	6	6	8	6	8	4	3	3
90% Exceedance	4	7	13	8	11	4	10	5	2	2	2	3
Full Simulation Period Average[a]	5	5	4	3	2	3	2	2	2	3	4	5
Wet Water Years (28%)	3	2	2	0	0	0	0	0	0	1	1	3
Above Normal Water Years (14%)	7	5	4	1	0	0	0	0	0	2	3	5
Below Normal Water Years (18%)	2	3	3	2	0	1	1	0	0	1	2	2
Dry Water Years (24%)	4	4	4	8	5	5	4	3	4	3	3	3
Critical Water Years (16%)	15	16	9	5	6	8	8	9	10	9	12	13

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



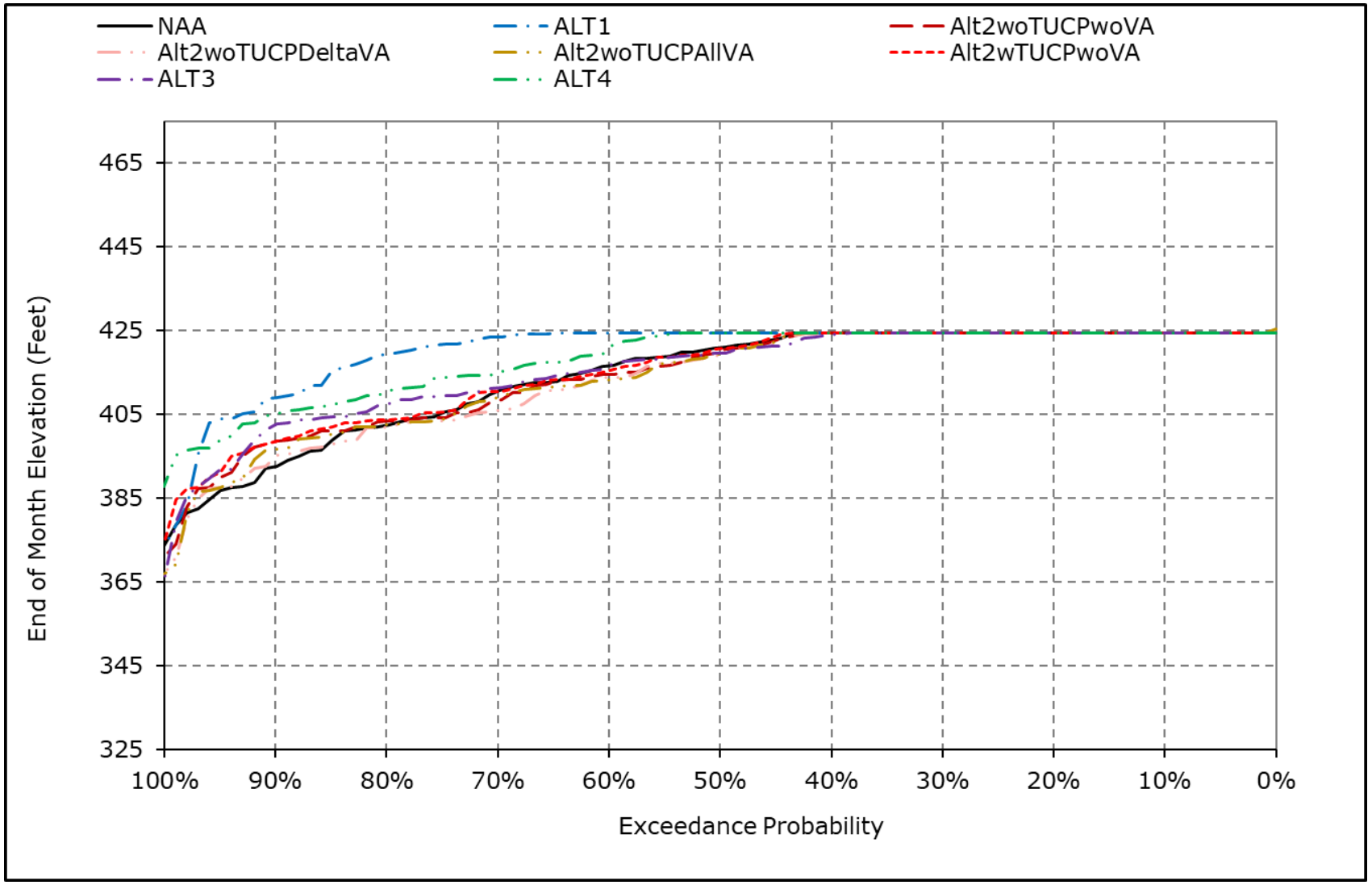
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-1. Folsom Lake Elevation, October



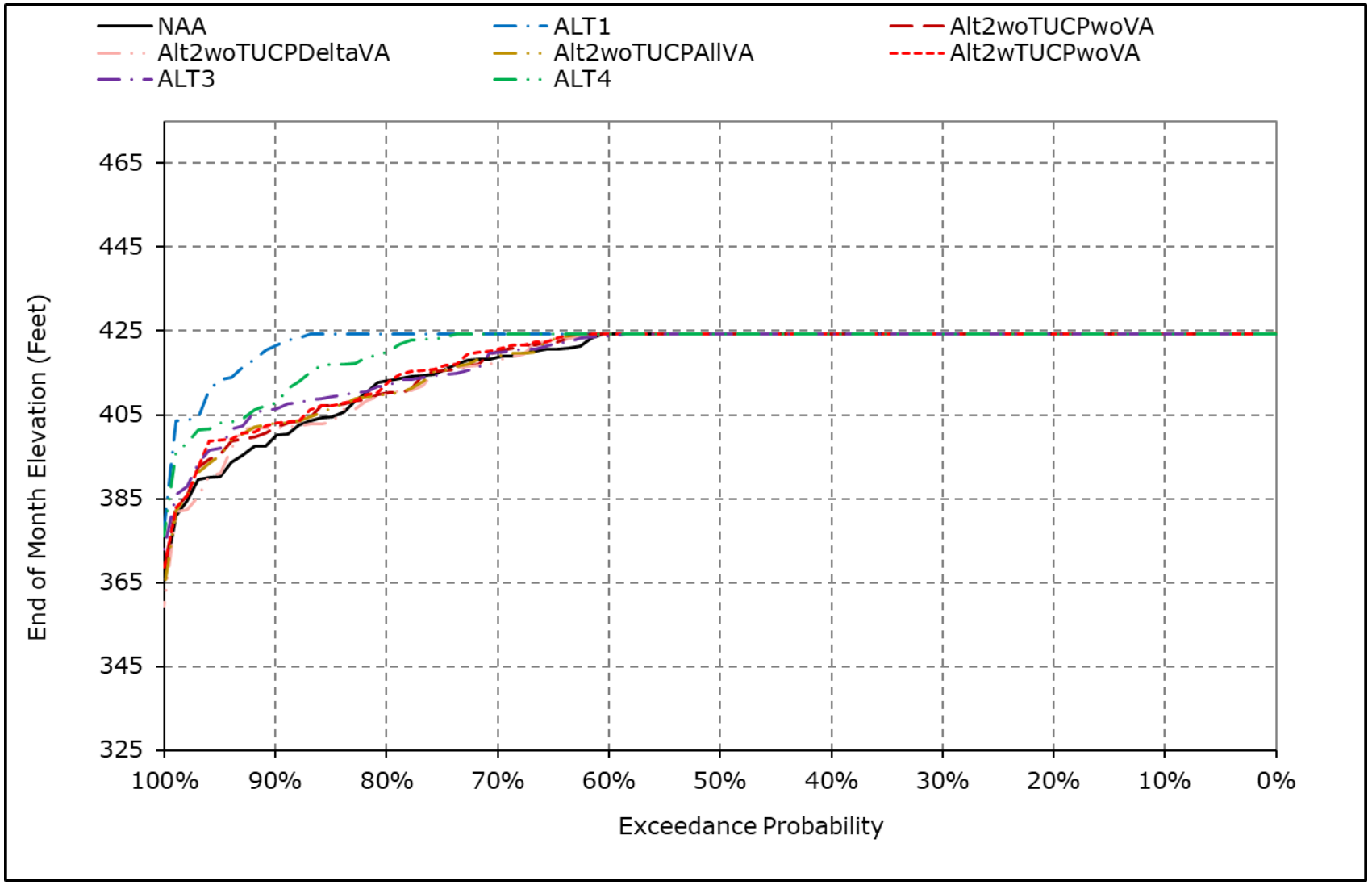
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-2. Folsom Lake Elevation, November



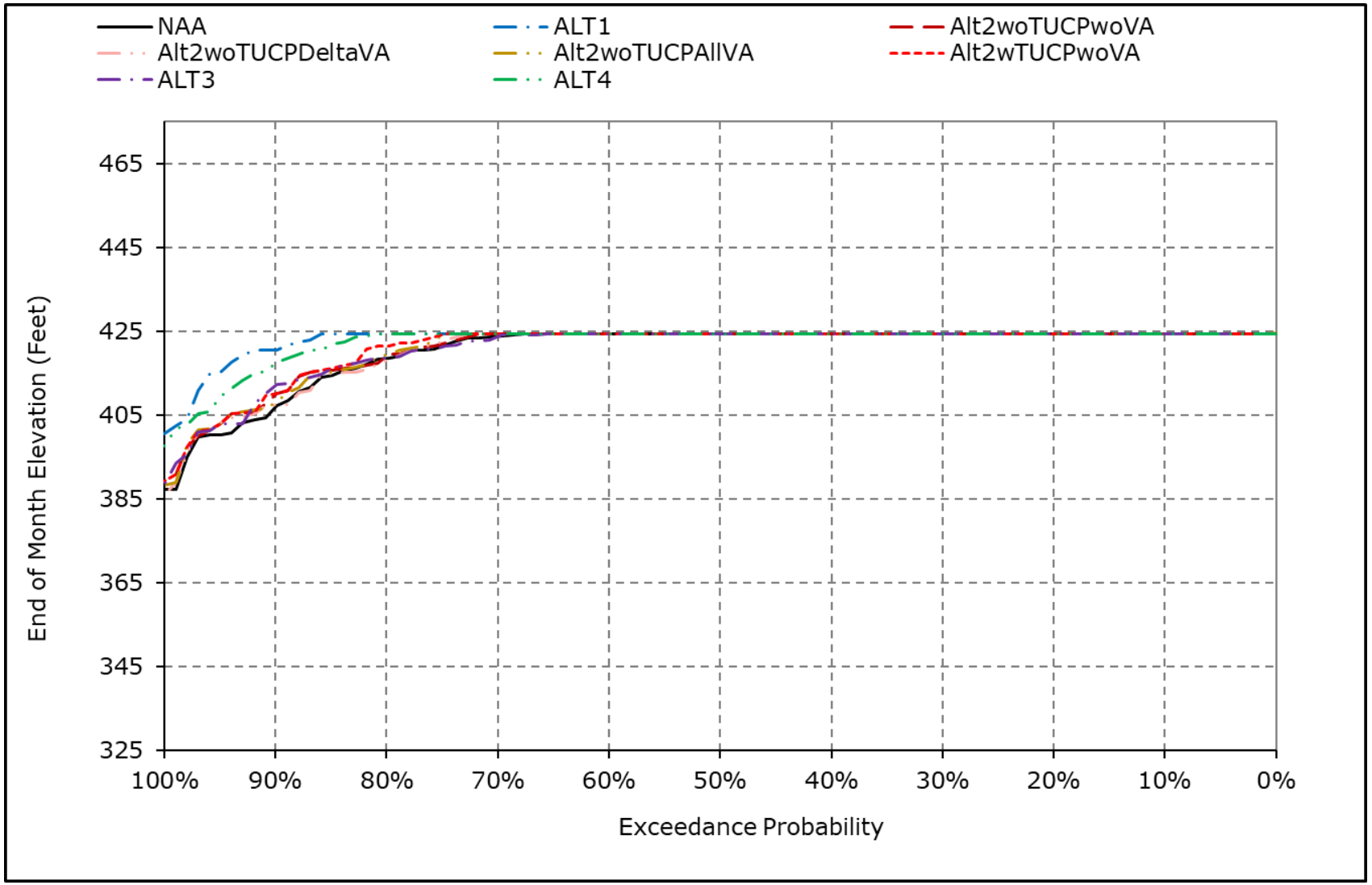
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-3. Folsom Lake Elevation, December



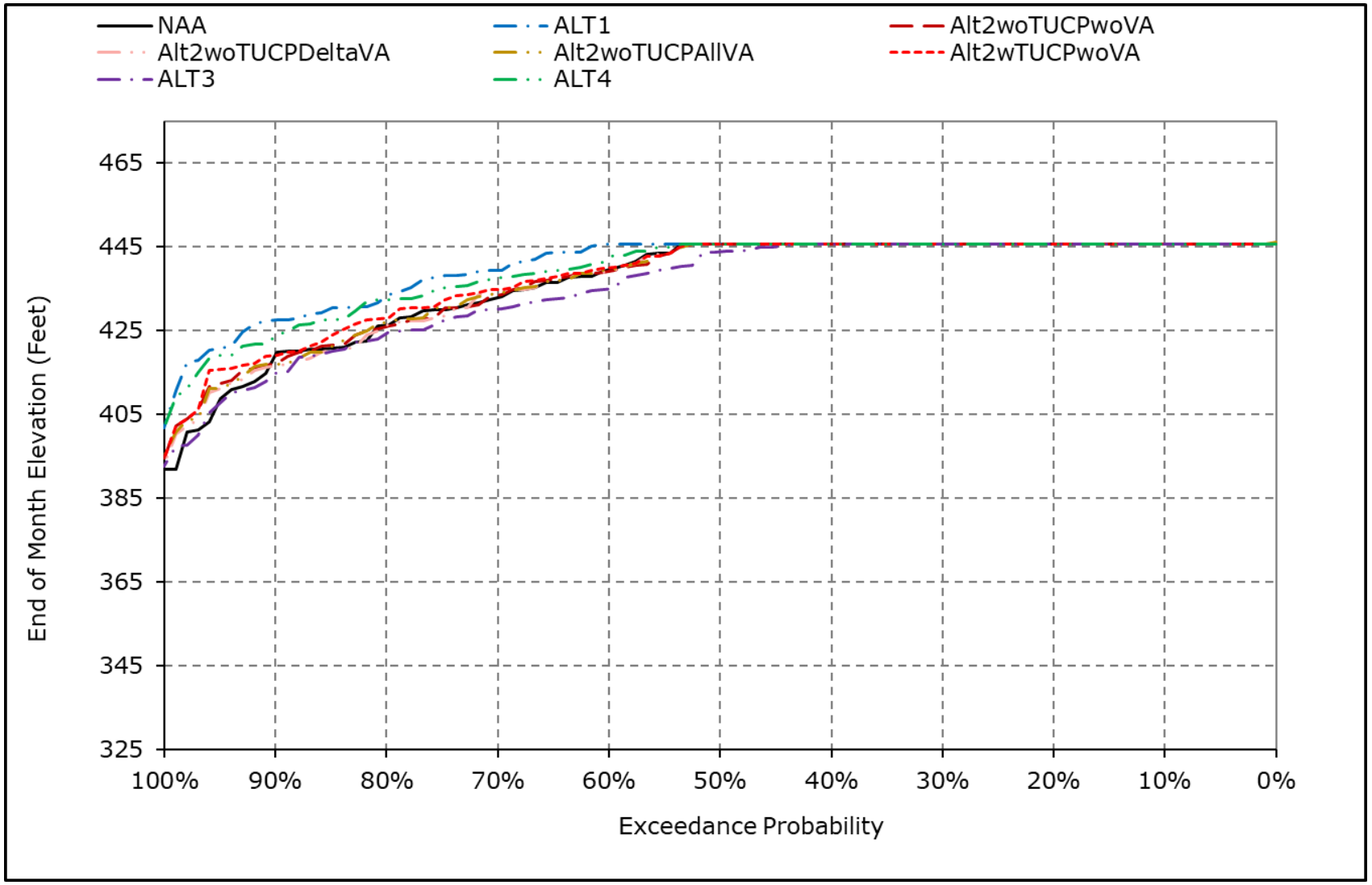
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-4. Folsom Lake Elevation, January



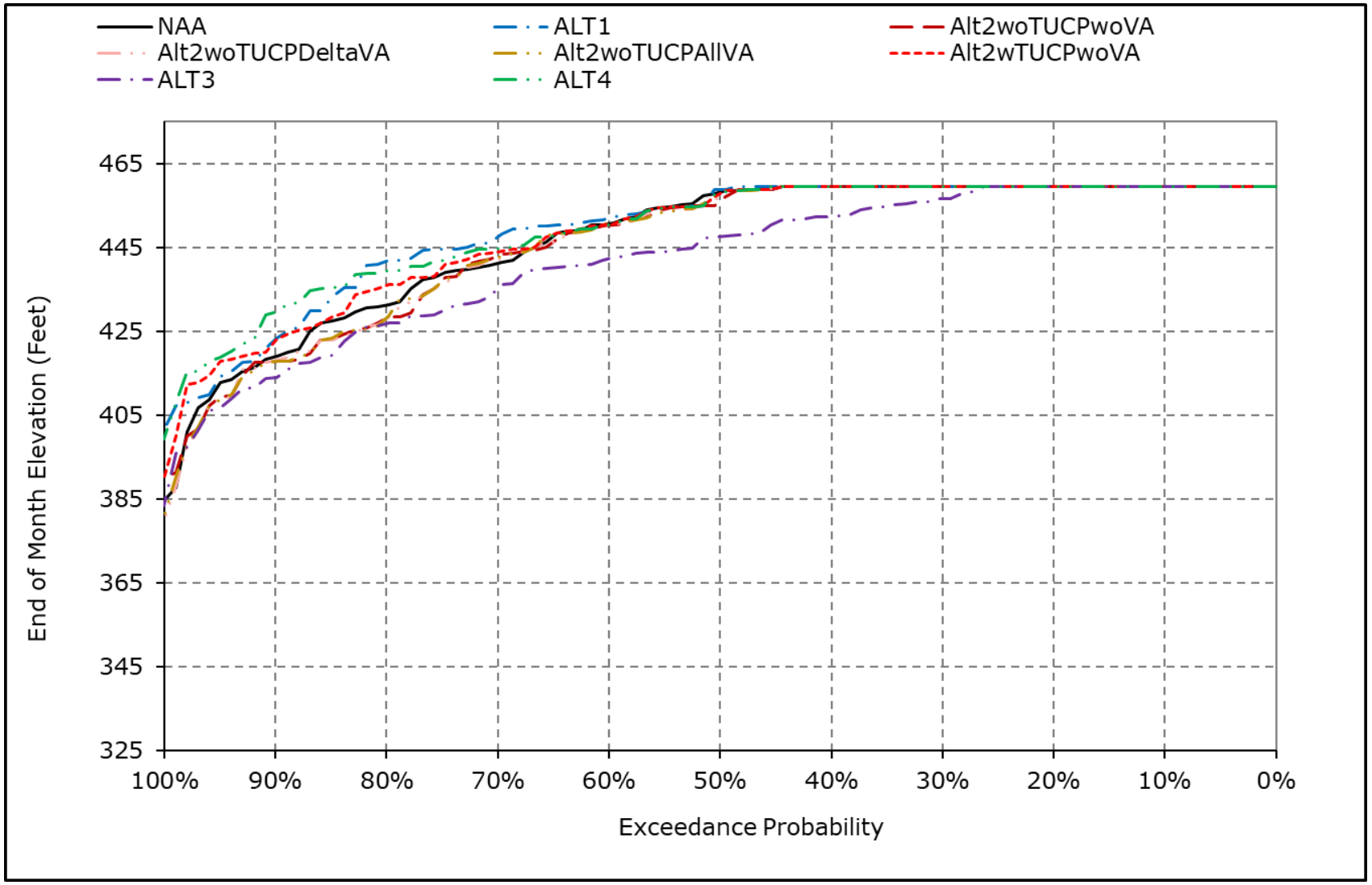
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-5. Folsom Lake Elevation, February



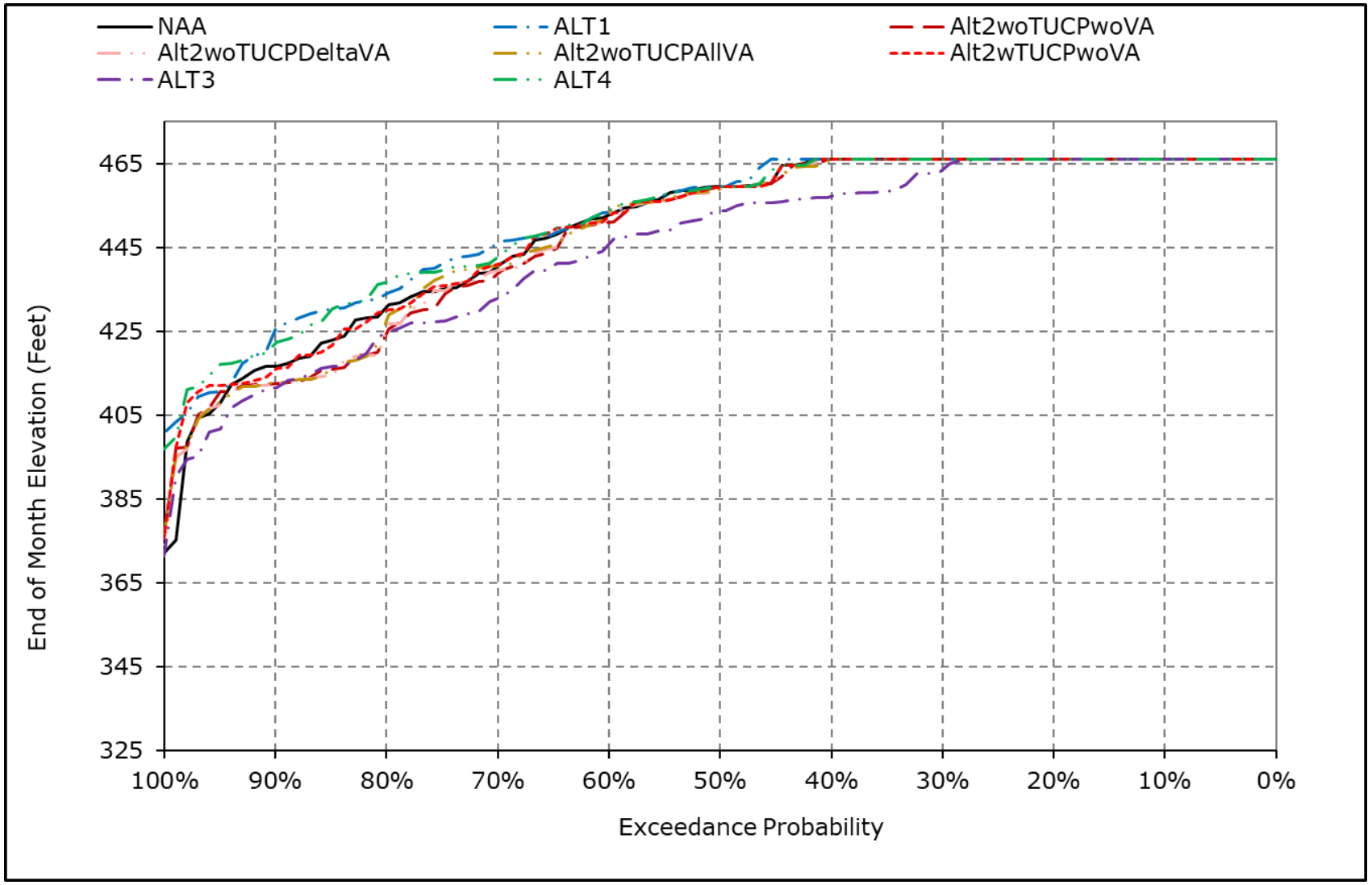
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-6. Folsom Lake Elevation, March



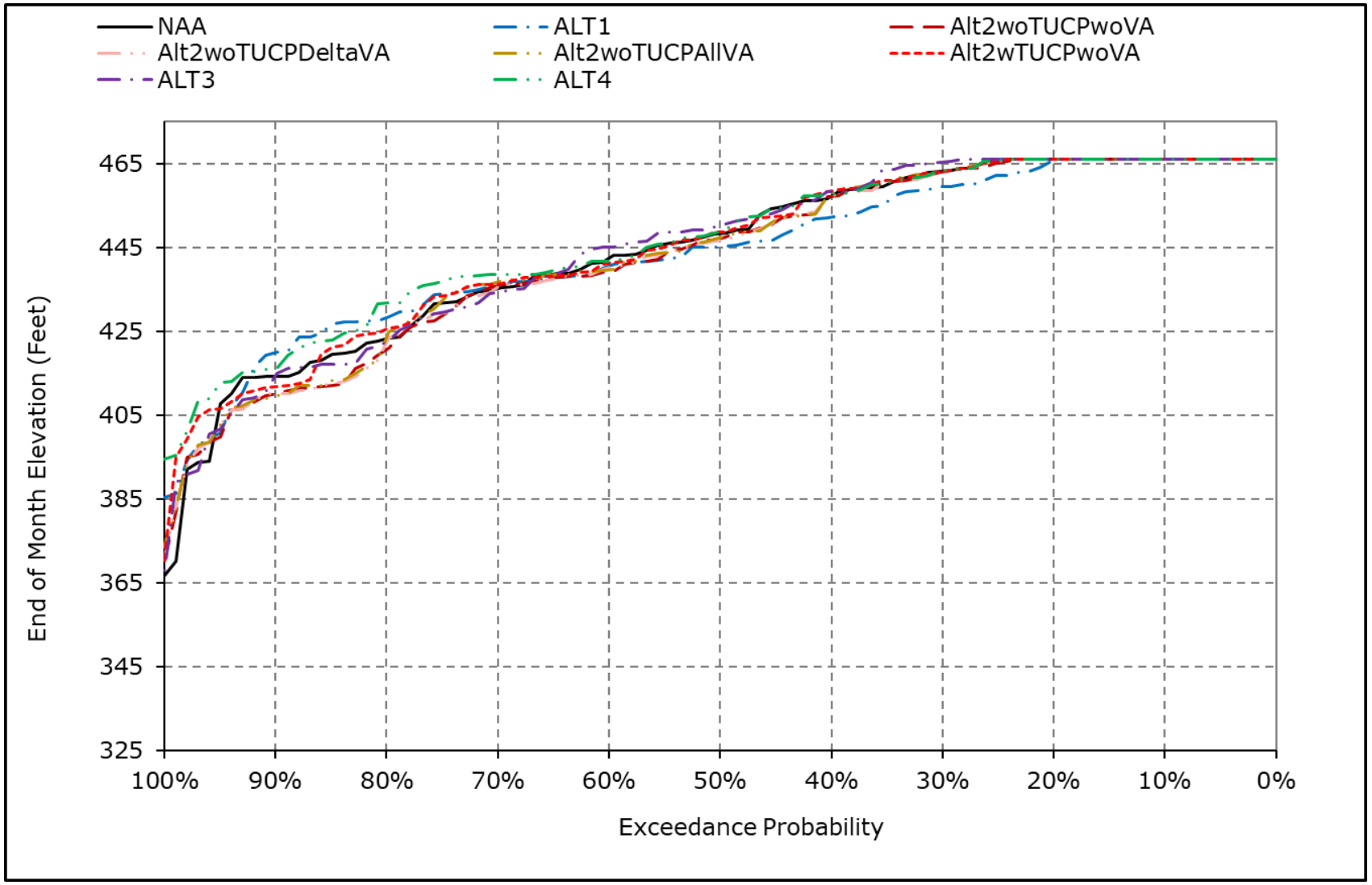
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-7. Folsom Lake Elevation, April



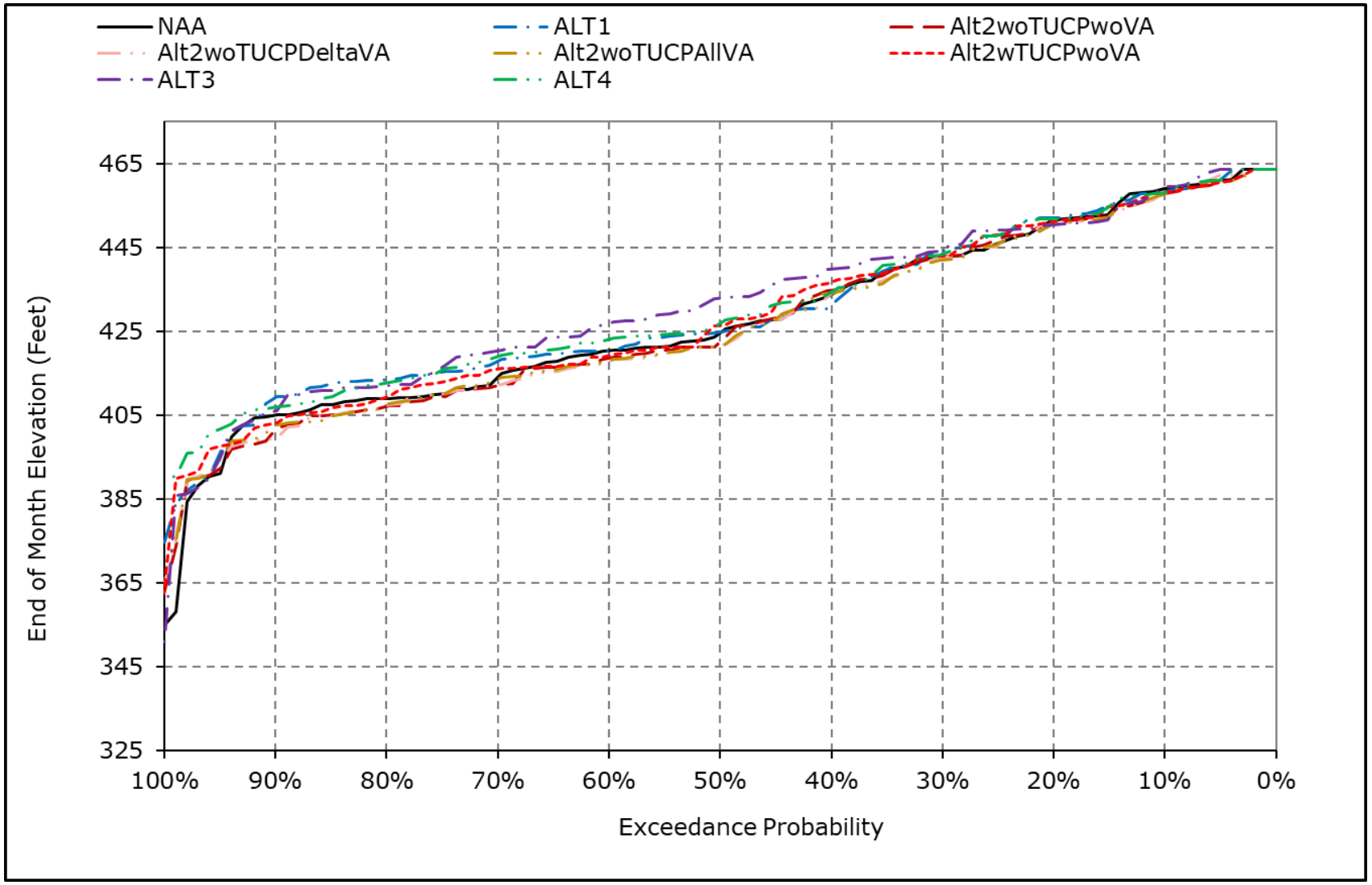
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-8. Folsom Lake Elevation, May



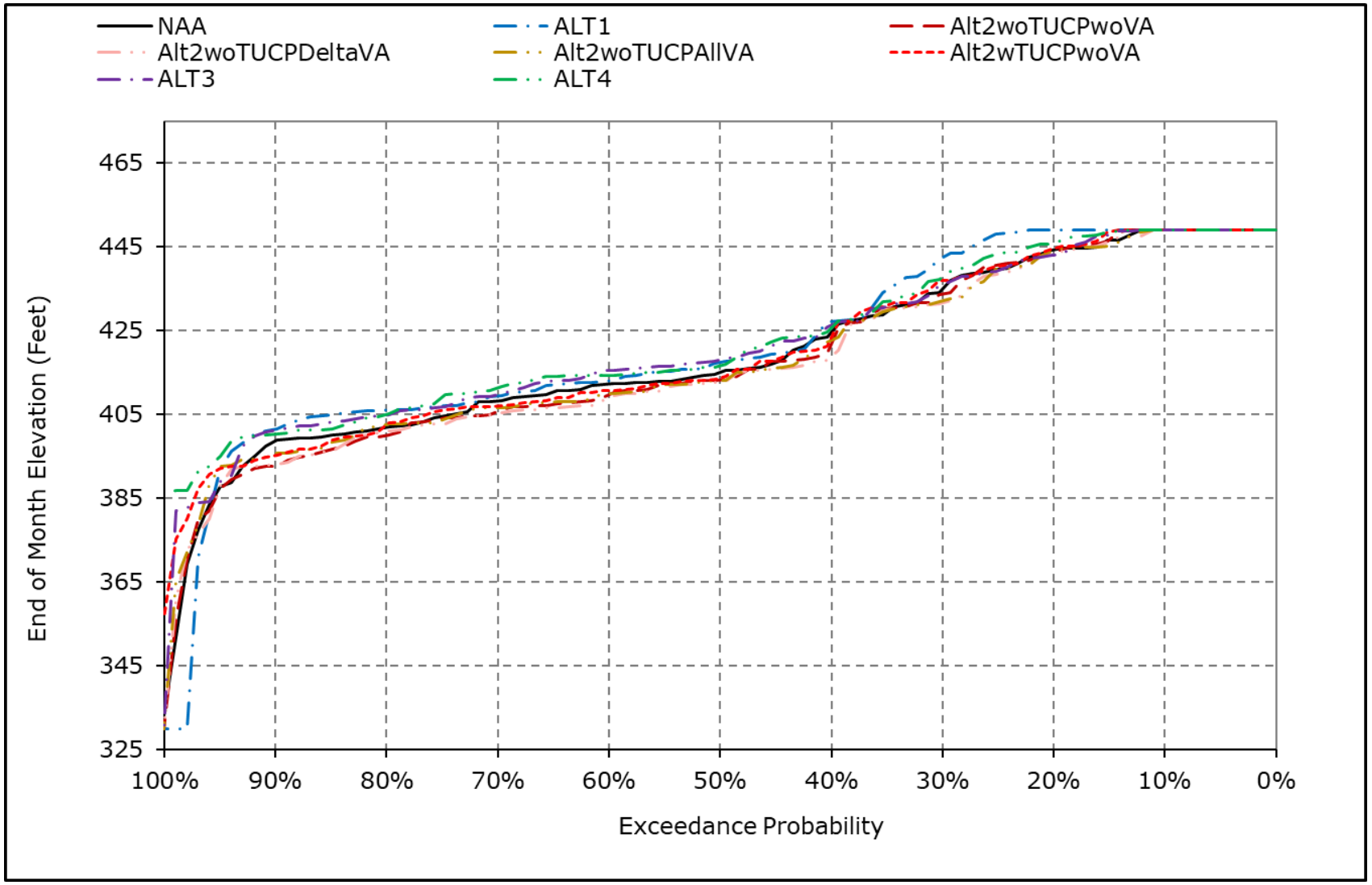
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-9. Folsom Lake Elevation, June



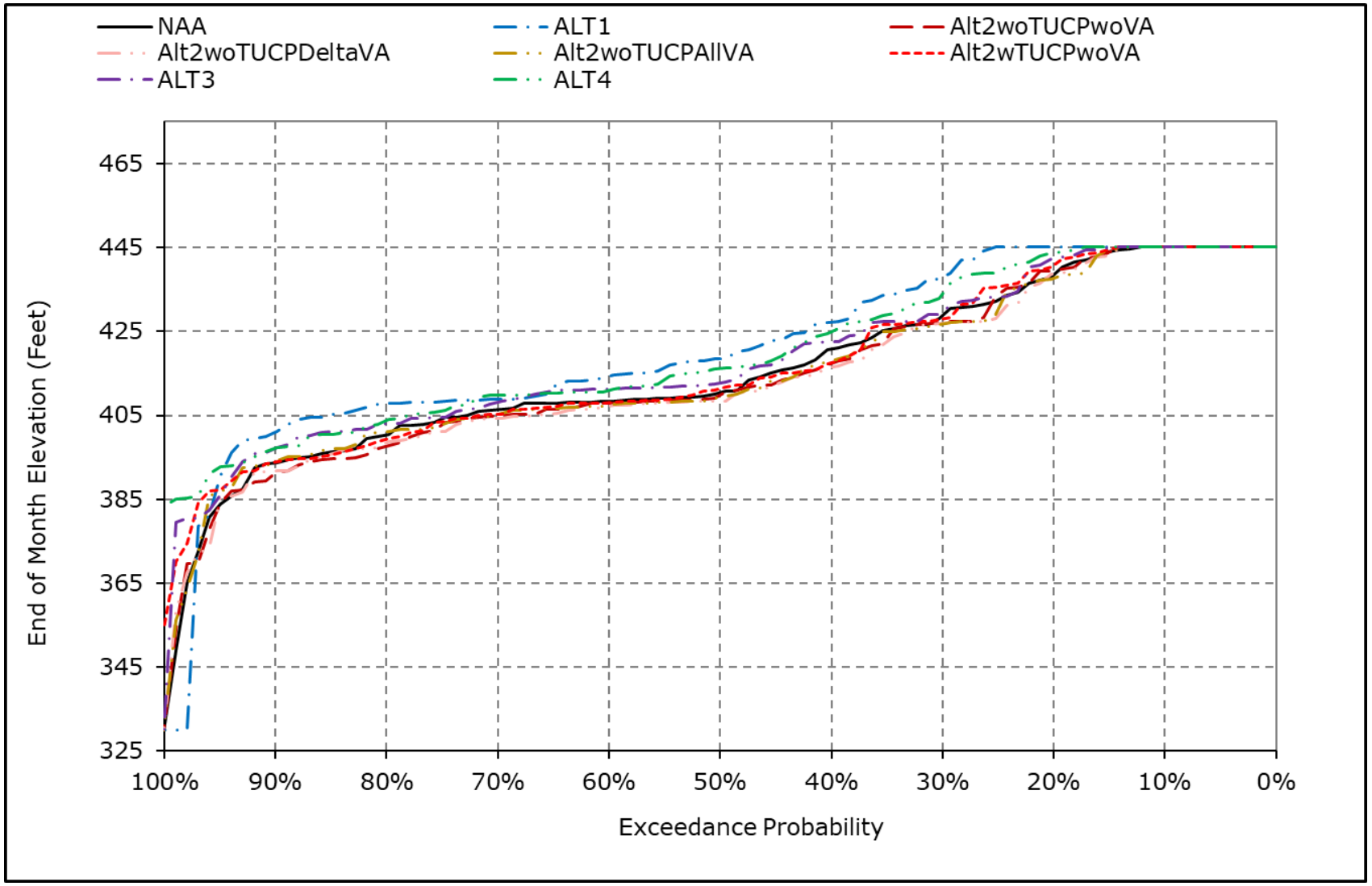
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-10. Folsom Lake Elevation, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-11. Folsom Lake Elevation, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-8-12. Folsom Lake Elevation, September

Table F.2.1-9-1a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-1b. San Luis Storage (Central Valley Project and State Water Project), Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,128	1,363	1,730	2,075	2,169	2,169	2,169	2,130	1,782	1,315	1,100	1,112
20% Exceedance	924	1,145	1,547	1,866	2,009	2,169	2,143	2,019	1,579	1,165	865	788
30% Exceedance	721	948	1,290	1,639	1,897	2,142	2,039	1,804	1,377	1,032	734	670
40% Exceedance	632	783	1,082	1,473	1,800	1,988	1,907	1,700	1,274	948	666	571
50% Exceedance	419	567	898	1,351	1,688	1,887	1,823	1,590	1,208	887	599	462
60% Exceedance	308	382	745	1,241	1,572	1,776	1,676	1,444	1,057	810	516	380
70% Exceedance	215	270	570	1,100	1,397	1,690	1,489	1,269	919	686	387	293
80% Exceedance	156	197	450	929	1,281	1,495	1,324	1,133	833	573	309	214
90% Exceedance	120	140	283	674	957	1,223	1,162	956	676	479	262	163
Full Simulation Period Average[a]	557	674	971	1,351	1,609	1,783	1,708	1,539	1,197	897	629	558
Wet Water Years (28%)	1,041	1,208	1,499	1,693	1,959	2,103	2,079	1,968	1,620	1,257	995	980
Above Normal Water Years (14%)	597	699	1,012	1,509	1,810	1,986	1,894	1,657	1,214	891	671	585
Below Normal Water Years (18%)	366	471	759	1,454	1,649	1,876	1,767	1,523	1,118	823	542	425
Dry Water Years (24%)	309	441	733	1,081	1,372	1,595	1,490	1,300	1,000	756	449	346
Critical Water Years (16%)	242	269	579	905	1,128	1,220	1,157	1,062	827	564	323	266

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-1c. San Luis Storage (Central Valley Project and State Water Project), Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	242	256	210	371	162	130	130	224	287	155	199	233
20% Exceedance	300	208	307	424	334	181	282	375	310	189	148	127
30% Exceedance	183	114	198	320	389	392	348	305	302	217	81	112
40% Exceedance	183	98	159	375	409	423	395	428	350	235	63	52
50% Exceedance	6	8	72	307	440	498	555	540	412	271	82	48
60% Exceedance	-46	-95	56	277	424	483	527	516	367	248	94	-12
70% Exceedance	-89	-107	-9	240	362	517	424	394	302	184	13	-37
80% Exceedance	-58	-127	-57	159	336	445	425	387	337	153	0	-45
90% Exceedance	-45	-85	-87	97	170	290	342	329	311	167	46	-28
Full Simulation Period Average[a]	83	26	105	256	315	344	353	362	308	199	81	66
Wet Water Years (28%)	310	247	315	285	300	284	269	314	311	231	146	220
Above Normal Water Years (14%)	186	78	156	320	379	431	468	483	422	279	89	150
Below Normal Water Years (18%)	-46	-103	-31	319	382	473	509	502	419	254	65	-26
Dry Water Years (24%)	-46	-88	23	228	343	404	407	395	303	178	82	-18
Critical Water Years (16%)	-86	-104	-45	124	169	137	145	135	86	43	-27	-45

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-2a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-2b. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,025	1,262	1,608	1,749	2,037	2,169	2,169	2,086	1,732	1,267	1,029	1,063
20% Exceedance	662	990	1,294	1,469	1,645	1,972	2,052	1,904	1,476	1,128	861	732
30% Exceedance	565	858	1,139	1,303	1,476	1,719	1,743	1,689	1,187	926	759	598
40% Exceedance	488	713	960	1,128	1,365	1,498	1,479	1,308	941	745	626	522
50% Exceedance	423	592	836	1,053	1,246	1,338	1,299	1,128	837	646	505	477
60% Exceedance	386	475	695	921	1,131	1,256	1,136	1,000	739	578	430	400
70% Exceedance	337	409	599	857	1,017	1,134	1,056	903	630	524	381	364
80% Exceedance	238	318	498	732	870	1,037	939	803	578	450	318	305
90% Exceedance	154	251	361	550	735	884	851	673	362	361	244	217
Full Simulation Period Average[a]	518	681	894	1,094	1,290	1,441	1,402	1,282	967	763	602	549
Wet Water Years (28%)	860	1,075	1,288	1,440	1,700	1,898	1,935	1,863	1,496	1,189	993	900
Above Normal Water Years (14%)	459	650	874	1,181	1,429	1,571	1,517	1,333	900	707	657	517
Below Normal Water Years (18%)	441	596	789	1,121	1,240	1,372	1,287	1,109	746	609	502	485
Dry Water Years (24%)	365	538	726	845	1,001	1,163	1,084	950	719	589	381	376
Critical Water Years (16%)	278	310	571	758	941	1,020	977	915	720	505	310	293

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-2c. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	138	155	89	45	30	130	130	180	236	107	128	184
20% Exceedance	38	53	54	28	-30	-16	191	260	208	153	144	71
30% Exceedance	27	23	47	-16	-32	-31	51	191	113	111	106	41
40% Exceedance	38	27	37	30	-26	-67	-34	36	18	32	22	3
50% Exceedance	10	33	10	8	-2	-51	31	79	40	30	-12	63
60% Exceedance	32	-2	6	-43	-17	-37	-13	72	49	15	8	9
70% Exceedance	34	33	20	-4	-18	-39	-8	29	13	21	7	34
80% Exceedance	23	-6	-9	-38	-75	-14	40	56	83	30	9	46
90% Exceedance	-11	25	-8	-28	-52	-49	32	45	-4	50	28	25
Full Simulation Period Average[a]	43	33	27	-1	-3	2	47	105	78	66	53	57
Wet Water Years (28%)	129	115	104	31	42	79	125	209	187	162	145	141
Above Normal Water Years (14%)	48	29	19	-8	-2	16	91	159	108	95	76	82
Below Normal Water Years (18%)	29	21	-1	-14	-27	-31	29	88	47	40	26	33
Dry Water Years (24%)	10	9	16	-8	-28	-28	1	45	22	10	14	12
Critical Water Years (16%)	-50	-64	-53	-23	-18	-64	-36	-13	-21	-16	-40	-18

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-3a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-3b. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,022	1,330	1,622	1,798	2,042	2,169	2,162	2,110	1,769	1,269	1,026	1,059
20% Exceedance	714	1,047	1,340	1,508	1,733	2,068	2,063	1,858	1,480	1,109	857	716
30% Exceedance	578	858	1,144	1,342	1,554	1,724	1,656	1,613	1,231	927	730	634
40% Exceedance	511	722	941	1,130	1,405	1,480	1,429	1,277	929	739	598	544
50% Exceedance	466	620	857	1,066	1,286	1,308	1,246	1,088	783	626	519	491
60% Exceedance	407	549	736	979	1,153	1,244	1,137	991	719	580	449	417
70% Exceedance	340	442	647	886	1,052	1,109	1,031	889	630	527	416	383
80% Exceedance	259	349	532	766	916	1,020	935	777	554	469	361	340
90% Exceedance	204	280	446	657	827	897	806	615	347	333	330	290
Full Simulation Period Average[a]	540	713	928	1,131	1,322	1,433	1,380	1,262	952	763	617	570
Wet Water Years (28%)	862	1,098	1,297	1,472	1,724	1,910	1,928	1,856	1,488	1,179	986	902
Above Normal Water Years (14%)	449	670	893	1,206	1,451	1,530	1,445	1,264	837	644	609	500
Below Normal Water Years (18%)	479	649	854	1,188	1,306	1,357	1,260	1,091	752	618	536	516
Dry Water Years (24%)	411	580	771	877	1,029	1,137	1,050	920	693	602	427	420
Critical Water Years (16%)	310	328	614	785	963	1,041	995	928	728	541	354	333

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-3c. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	135	223	102	93	35	130	123	204	274	110	125	180
20% Exceedance	90	109	100	67	58	80	203	214	212	134	140	56
30% Exceedance	40	24	52	23	45	-25	-35	115	157	111	77	77
40% Exceedance	62	37	18	32	14	-84	-83	5	6	26	-5	25
50% Exceedance	52	61	31	22	38	-81	-23	38	-13	10	2	77
60% Exceedance	53	72	48	16	5	-49	-12	63	28	17	27	26
70% Exceedance	37	66	68	26	17	-64	-34	14	13	25	41	53
80% Exceedance	45	25	25	-5	-28	-31	36	30	58	49	52	81
90% Exceedance	39	54	77	80	41	-36	-13	-12	-19	22	114	99
Full Simulation Period Average[a]	65	64	62	36	29	-6	25	85	63	65	68	78
Wet Water Years (28%)	131	137	113	63	66	91	117	202	179	153	137	143
Above Normal Water Years (14%)	38	48	38	18	20	-25	19	90	44	32	27	65
Below Normal Water Years (18%)	67	75	63	52	39	-47	2	70	52	50	60	65
Dry Water Years (24%)	56	51	61	24	0	-54	-33	15	-4	24	60	56
Critical Water Years (16%)	-18	-45	-10	3	4	-43	-18	1	-13	21	3	22

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-4a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-4b. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,014	1,319	1,632	1,801	2,045	2,169	2,149	2,086	1,713	1,265	993	1,047
20% Exceedance	702	1,027	1,320	1,483	1,733	2,001	2,046	1,869	1,474	1,114	856	704
30% Exceedance	571	864	1,153	1,317	1,519	1,649	1,649	1,616	1,199	901	712	620
40% Exceedance	501	704	943	1,126	1,394	1,491	1,424	1,269	946	733	611	538
50% Exceedance	460	597	834	1,072	1,274	1,325	1,288	1,122	792	628	491	481
60% Exceedance	390	541	715	969	1,174	1,230	1,135	1,008	719	579	442	409
70% Exceedance	332	457	642	893	1,036	1,122	996	866	631	526	411	380
80% Exceedance	286	369	582	772	953	1,020	938	796	540	460	379	349
90% Exceedance	211	298	445	656	826	913	819	642	337	325	329	291
Full Simulation Period Average[a]	539	715	928	1,131	1,321	1,432	1,380	1,261	951	759	615	566
Wet Water Years (28%)	867	1,102	1,300	1,460	1,714	1,902	1,921	1,852	1,489	1,180	987	899
Above Normal Water Years (14%)	437	657	878	1,211	1,452	1,535	1,450	1,266	836	640	601	479
Below Normal Water Years (18%)	466	642	843	1,179	1,294	1,344	1,246	1,076	736	600	524	510
Dry Water Years (24%)	407	586	784	893	1,046	1,153	1,065	928	700	598	422	416
Critical Water Years (16%)	331	349	618	785	962	1,035	993	930	730	545	364	347

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-4c. San Luis Storage (Central Valley Project and State Water Project), Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	212	113	97	38	130	110	181	217	105	92	168
20% Exceedance	77	90	80	42	58	12	185	226	205	139	139	43
30% Exceedance	33	29	62	-2	11	-101	-42	118	125	86	59	63
40% Exceedance	51	19	20	28	3	-73	-88	-3	23	20	7	19
50% Exceedance	47	38	7	28	25	-63	20	73	-5	13	-26	67
60% Exceedance	35	64	27	5	26	-63	-14	81	28	16	20	18
70% Exceedance	28	81	63	32	1	-51	-69	-8	14	24	36	50
80% Exceedance	72	44	76	2	9	-31	39	49	44	40	70	90
90% Exceedance	46	73	75	79	39	-20	0	14	-29	14	113	100
Full Simulation Period Average[a]	65	67	62	36	28	-7	25	84	62	61	66	74
Wet Water Years (28%)	136	141	116	52	55	83	110	198	180	154	139	139
Above Normal Water Years (14%)	26	35	23	22	22	-20	24	92	43	28	19	44
Below Normal Water Years (18%)	54	67	52	43	27	-60	-12	55	37	31	48	59
Dry Water Years (24%)	52	57	74	40	17	-38	-18	23	3	20	55	52
Critical Water Years (16%)	3	-25	-6	4	3	-49	-20	2	-11	24	14	36

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-5a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-5b. San Luis Storage (Central Valley Project and State Water Project), Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,052	1,262	1,609	1,751	2,040	2,169	2,169	2,089	1,713	1,282	1,047	1,059
20% Exceedance	762	991	1,293	1,466	1,723	1,996	2,052	1,905	1,495	1,158	866	737
30% Exceedance	580	903	1,145	1,313	1,518	1,778	1,778	1,730	1,262	958	787	638
40% Exceedance	513	745	972	1,130	1,383	1,603	1,517	1,378	996	777	663	553
50% Exceedance	436	606	835	1,054	1,267	1,367	1,359	1,168	845	660	553	504
60% Exceedance	395	504	701	971	1,167	1,263	1,149	1,014	761	595	454	426
70% Exceedance	337	444	620	865	1,059	1,175	1,066	904	649	526	409	375
80% Exceedance	243	323	545	771	905	1,056	953	824	567	440	334	311
90% Exceedance	155	254	414	567	744	884	845	679	362	356	240	212
Full Simulation Period Average[a]	534	700	912	1,115	1,311	1,468	1,424	1,302	985	779	619	562
Wet Water Years (28%)	860	1,075	1,288	1,436	1,695	1,896	1,933	1,861	1,495	1,187	991	900
Above Normal Water Years (14%)	457	646	869	1,176	1,429	1,574	1,520	1,335	900	704	658	517
Below Normal Water Years (18%)	449	601	796	1,179	1,299	1,428	1,333	1,150	775	632	523	503
Dry Water Years (24%)	364	537	728	856	1,012	1,173	1,092	956	723	592	383	377
Critical Water Years (16%)	379	436	687	815	1,001	1,111	1,051	985	798	574	393	358

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-5c. San Luis Storage (Central Valley Project and State Water Project), Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	166	155	90	46	33	130	130	184	217	122	146	180
20% Exceedance	138	54	53	24	48	8	192	261	226	183	149	76
30% Exceedance	42	68	53	-6	9	28	86	232	187	142	134	81
40% Exceedance	64	60	49	32	-7	38	5	106	72	64	59	34
50% Exceedance	22	47	9	9	18	-21	91	118	49	44	36	90
60% Exceedance	41	27	13	7	19	-30	0	86	70	32	32	35
70% Exceedance	33	68	41	5	24	2	2	30	32	24	34	45
80% Exceedance	29	-1	38	1	-39	5	54	77	72	20	25	52
90% Exceedance	-9	29	45	-10	-42	-49	25	51	-4	45	24	21
Full Simulation Period Average[a]	59	52	46	20	18	29	69	126	96	81	70	70
Wet Water Years (28%)	129	115	104	28	37	77	122	207	186	161	143	140
Above Normal Water Years (14%)	46	24	14	-12	-1	20	94	161	108	92	76	82
Below Normal Water Years (18%)	37	27	5	43	32	25	75	129	76	63	47	51
Dry Water Years (24%)	8	8	18	3	-17	-18	9	52	26	14	16	12
Critical Water Years (16%)	51	63	63	33	42	27	38	58	57	53	43	47

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-6a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-6b. San Luis Storage (Central Valley Project and State Water Project), Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	927	1,267	1,404	1,922	2,039	2,039	1,859	1,625	1,585	1,072	762	866
20% Exceedance	608	791	1,044	1,442	1,778	1,947	1,762	1,474	1,191	752	451	479
30% Exceedance	430	672	868	1,248	1,533	1,705	1,622	1,363	1,016	563	277	299
40% Exceedance	310	566	698	805	1,174	1,414	1,318	1,122	829	464	218	195
50% Exceedance	223	422	545	701	956	1,115	999	840	623	334	181	152
60% Exceedance	133	336	375	597	794	963	855	677	466	275	132	128
70% Exceedance	83	267	283	479	694	879	734	613	347	183	92	106
80% Exceedance	80	140	183	377	555	715	619	502	299	145	80	80
90% Exceedance	80	80	103	210	436	583	464	352	149	84	80	80
Full Simulation Period Average[a]	399	561	673	880	1,111	1,246	1,130	949	752	495	330	333
Wet Water Years (28%)	650	813	943	1,441	1,719	1,840	1,720	1,464	1,325	963	667	615
Above Normal Water Years (14%)	176	262	360	813	1,151	1,343	1,215	1,003	745	397	181	104
Below Normal Water Years (18%)	419	703	816	834	1,017	1,166	1,068	907	675	402	264	328
Dry Water Years (24%)	296	488	632	482	679	846	718	573	338	186	118	184
Critical Water Years (16%)	297	334	375	604	765	811	714	612	464	331	263	267

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-6c. San Luis Storage (Central Valley Project and State Water Project), Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	40	160	-115	218	32	0	-180	-281	90	-87	-139	-13
20% Exceedance	-16	-146	-196	0	103	-41	-99	-170	-78	-223	-265	-182
30% Exceedance	-108	-163	-224	-71	24	-45	-69	-136	-58	-252	-376	-258
40% Exceedance	-139	-119	-224	-292	-217	-151	-194	-150	-94	-249	-386	-324
50% Exceedance	-190	-137	-281	-344	-293	-273	-270	-210	-174	-282	-336	-262
60% Exceedance	-221	-142	-313	-367	-354	-330	-294	-251	-224	-287	-290	-263
70% Exceedance	-221	-110	-296	-381	-341	-294	-331	-261	-270	-319	-282	-223
80% Exceedance	-134	-184	-323	-393	-390	-335	-280	-245	-197	-275	-229	-179
90% Exceedance	-85	-146	-267	-367	-351	-350	-355	-276	-217	-227	-136	-112
Full Simulation Period Average[a]	-76	-88	-193	-215	-182	-193	-225	-228	-137	-202	-219	-159
Wet Water Years (28%)	-81	-148	-241	33	60	21	-90	-190	16	-64	-181	-144
Above Normal Water Years (14%)	-235	-360	-495	-375	-280	-212	-211	-171	-48	-215	-401	-331
Below Normal Water Years (18%)	7	129	25	-302	-250	-237	-190	-114	-24	-166	-212	-124
Dry Water Years (24%)	-59	-41	-78	-372	-350	-346	-365	-332	-359	-392	-249	-180
Critical Water Years (16%)	-30	-39	-249	-177	-194	-273	-299	-315	-277	-189	-88	-44

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-7a. San Luis Storage (Central Valley Project and State Water Project), No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	887	1,107	1,519	1,704	2,007	2,039	2,039	1,906	1,495	1,160	901	879
20% Exceedance	624	937	1,240	1,442	1,675	1,988	1,861	1,644	1,269	975	717	661
30% Exceedance	538	835	1,092	1,319	1,508	1,750	1,691	1,498	1,074	815	653	557
40% Exceedance	449	685	923	1,098	1,391	1,565	1,512	1,272	923	713	603	519
50% Exceedance	414	559	826	1,044	1,249	1,389	1,268	1,049	797	616	517	414
60% Exceedance	354	477	689	964	1,148	1,293	1,149	927	690	563	422	392
70% Exceedance	303	377	579	860	1,035	1,173	1,065	874	617	502	374	330
80% Exceedance	214	324	507	770	944	1,051	899	747	496	420	309	259
90% Exceedance	165	226	370	577	787	933	820	627	366	311	216	192
Full Simulation Period Average[a]	475	648	866	1,095	1,293	1,439	1,355	1,177	889	697	549	492
Wet Water Years (28%)	731	960	1,184	1,408	1,659	1,819	1,811	1,654	1,309	1,026	848	760
Above Normal Water Years (14%)	411	622	855	1,189	1,431	1,555	1,426	1,174	793	612	582	435
Below Normal Water Years (18%)	412	575	791	1,136	1,267	1,404	1,258	1,021	699	569	476	451
Dry Water Years (24%)	355	529	710	853	1,029	1,191	1,083	905	697	578	367	364
Critical Water Years (16%)	328	373	624	781	959	1,084	1,013	927	741	521	350	311

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-7b. San Luis Storage (Central Valley Project and State Water Project), Alternative 4, End-of-Month Storage (TAF)

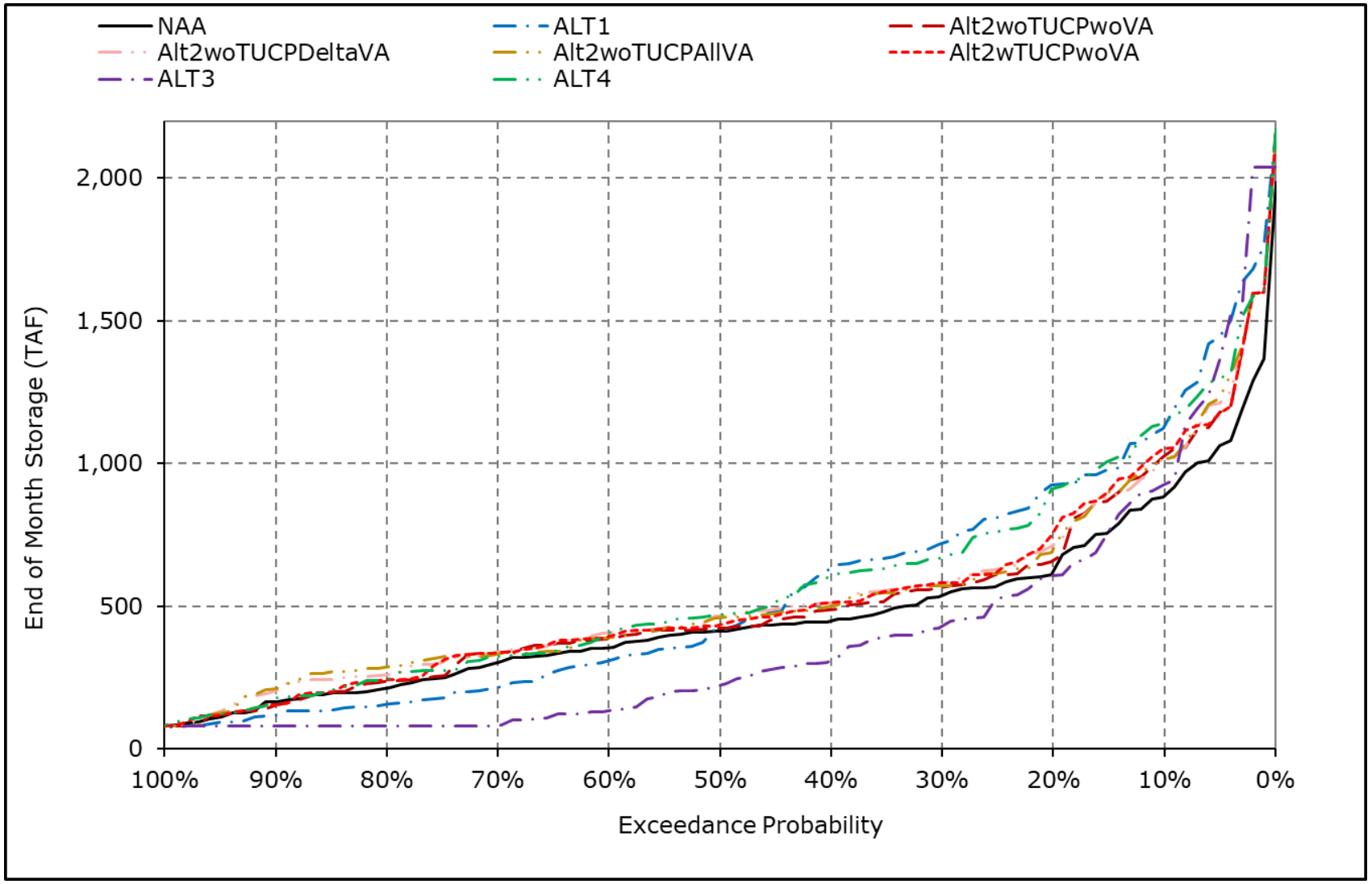
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,144	1,369	1,564	1,719	1,977	2,169	2,117	2,080	1,690	1,278	1,068	1,071
20% Exceedance	914	1,167	1,363	1,519	1,679	1,911	1,988	1,901	1,492	1,138	866	823
30% Exceedance	672	938	1,116	1,340	1,525	1,781	1,783	1,702	1,252	955	772	677
40% Exceedance	606	820	1,012	1,120	1,431	1,592	1,584	1,417	1,019	784	647	561
50% Exceedance	471	675	825	1,045	1,305	1,436	1,393	1,172	843	655	562	487
60% Exceedance	405	525	675	932	1,162	1,316	1,208	1,059	779	608	476	427
70% Exceedance	325	393	584	869	1,125	1,228	1,145	950	635	530	392	372
80% Exceedance	245	324	477	705	947	1,085	964	822	544	437	334	293
90% Exceedance	178	240	348	513	769	940	861	690	423	345	252	207
Full Simulation Period Average[a]	579	742	899	1,102	1,328	1,486	1,439	1,309	980	774	620	575
Wet Water Years (28%)	990	1,205	1,337	1,395	1,665	1,877	1,915	1,841	1,469	1,169	995	939
Above Normal Water Years (14%)	559	761	918	1,158	1,439	1,593	1,532	1,340	898	700	665	564
Below Normal Water Years (18%)	438	575	731	1,175	1,321	1,434	1,334	1,138	750	609	519	488
Dry Water Years (24%)	355	519	670	872	1,072	1,229	1,140	994	742	614	393	377
Critical Water Years (16%)	357	415	632	803	1,034	1,152	1,089	1,013	813	569	376	343

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-9-7c. San Luis Storage (Central Valley Project and State Water Project), Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

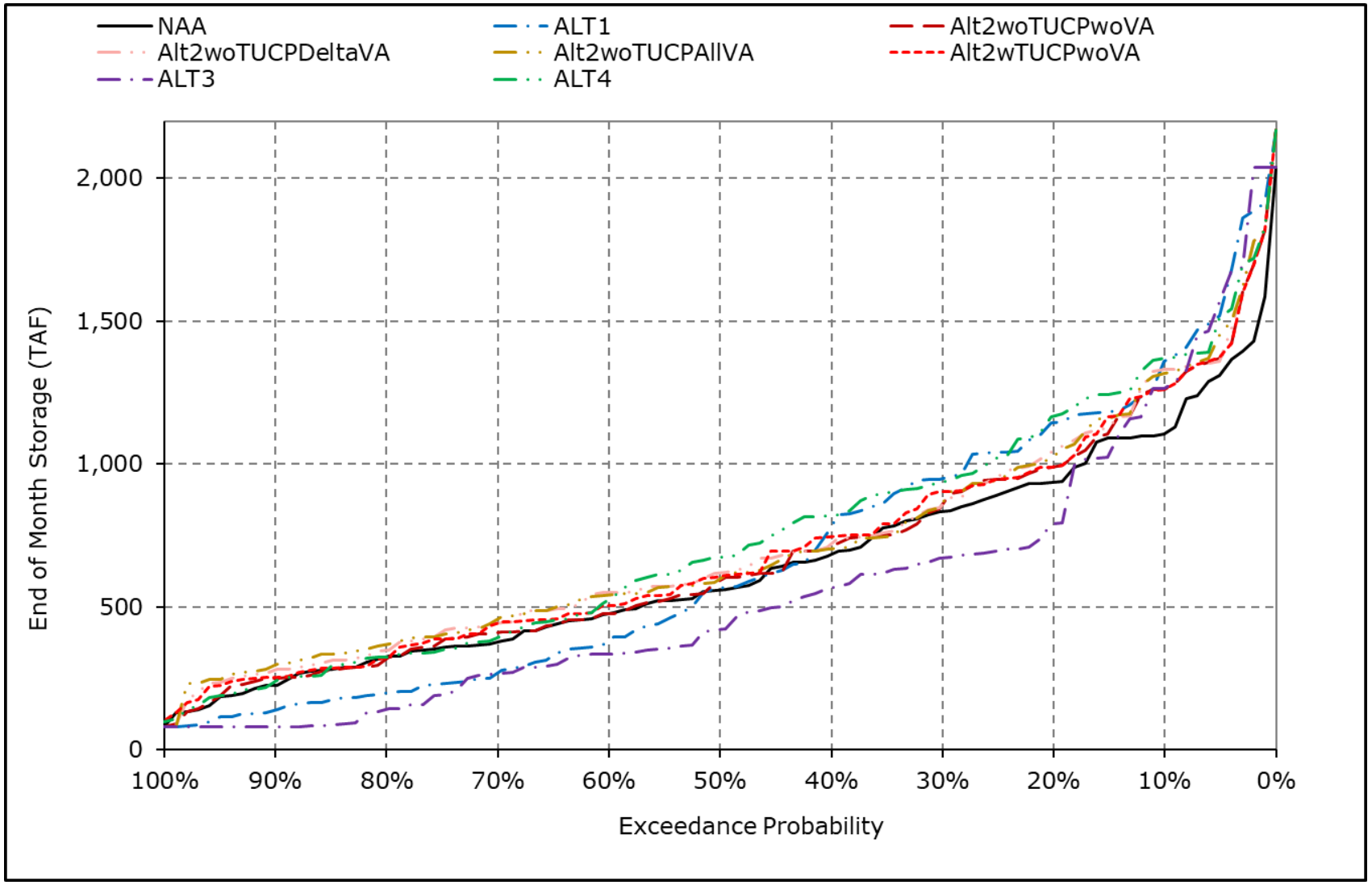
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	257	263	45	15	-30	130	78	174	195	118	167	192
20% Exceedance	289	230	123	78	4	-78	128	257	223	163	149	162
30% Exceedance	133	103	24	21	17	32	91	204	177	140	119	120
40% Exceedance	156	135	90	23	40	27	72	145	95	71	44	42
50% Exceedance	58	116	-1	1	56	47	125	123	47	39	45	73
60% Exceedance	51	48	-14	-32	14	23	59	132	89	45	54	36
70% Exceedance	22	16	5	9	90	56	81	76	18	28	18	42
80% Exceedance	31	0	-30	-66	3	34	65	75	48	17	25	34
90% Exceedance	13	14	-21	-65	-18	7	41	63	58	34	36	16
Full Simulation Period Average[a]	104	93	33	7	35	47	84	132	91	76	71	83
Wet Water Years (28%)	259	244	153	-13	6	58	105	187	160	143	147	180
Above Normal Water Years (14%)	148	139	63	-31	8	39	106	166	105	88	83	129
Below Normal Water Years (18%)	26	1	-59	40	54	30	76	117	50	40	43	36
Dry Water Years (24%)	0	-10	-40	18	43	37	57	89	46	36	26	13
Critical Water Years (16%)	30	42	8	21	75	68	76	85	72	49	26	32

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



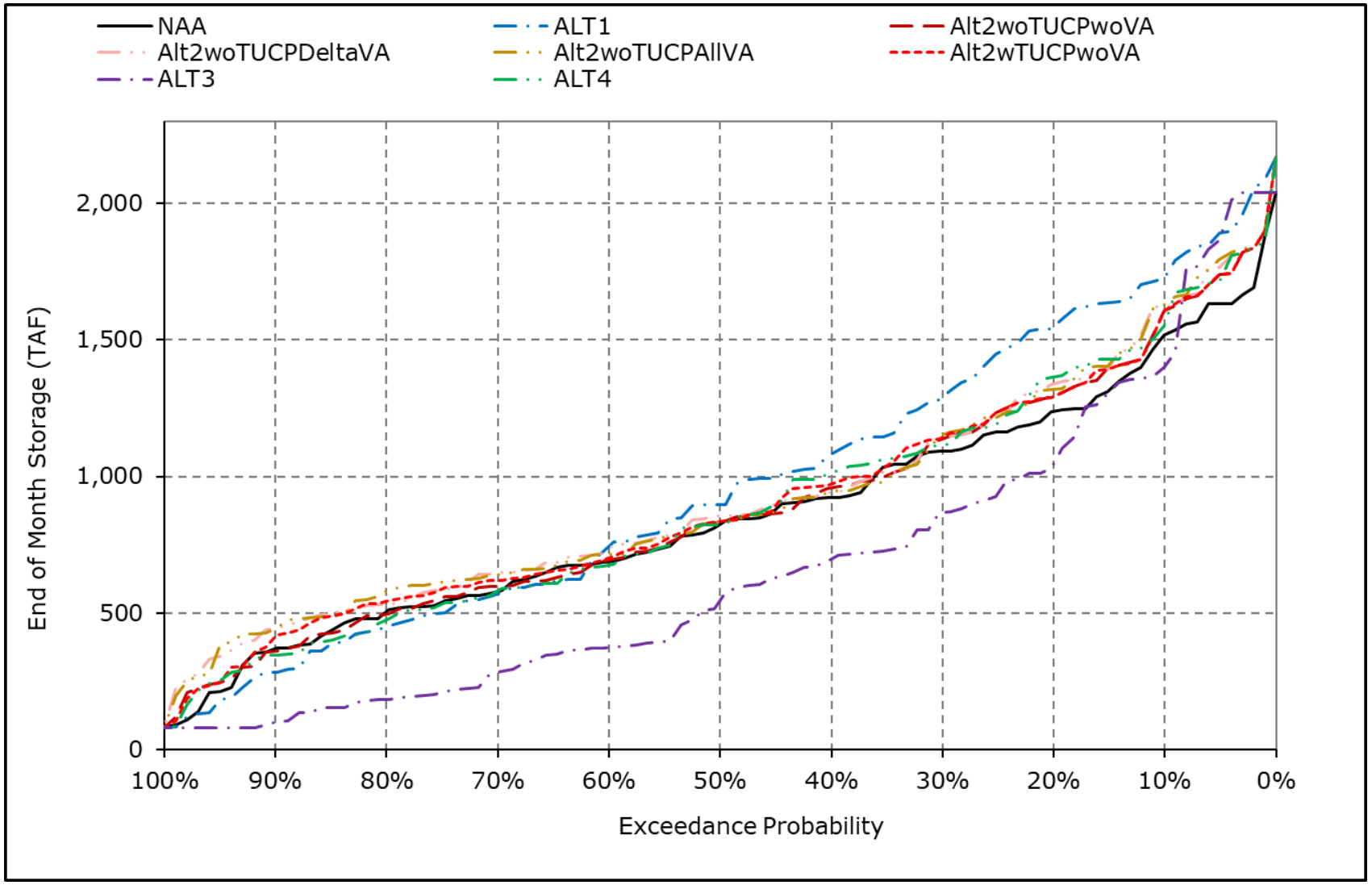
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-1. San Luis Storage (CVP and SWP), October



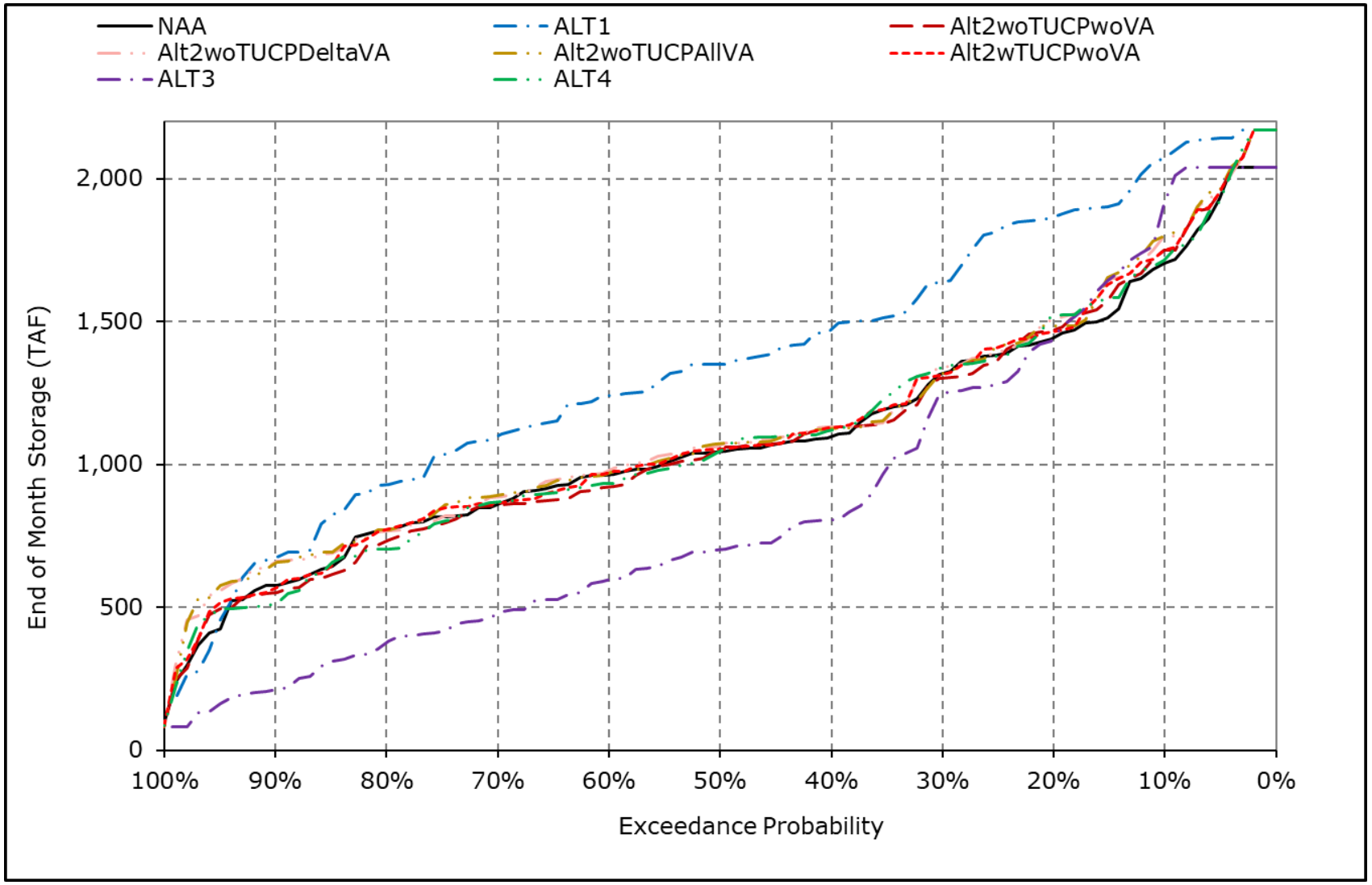
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-2. San Luis Storage (CVP and SWP), November



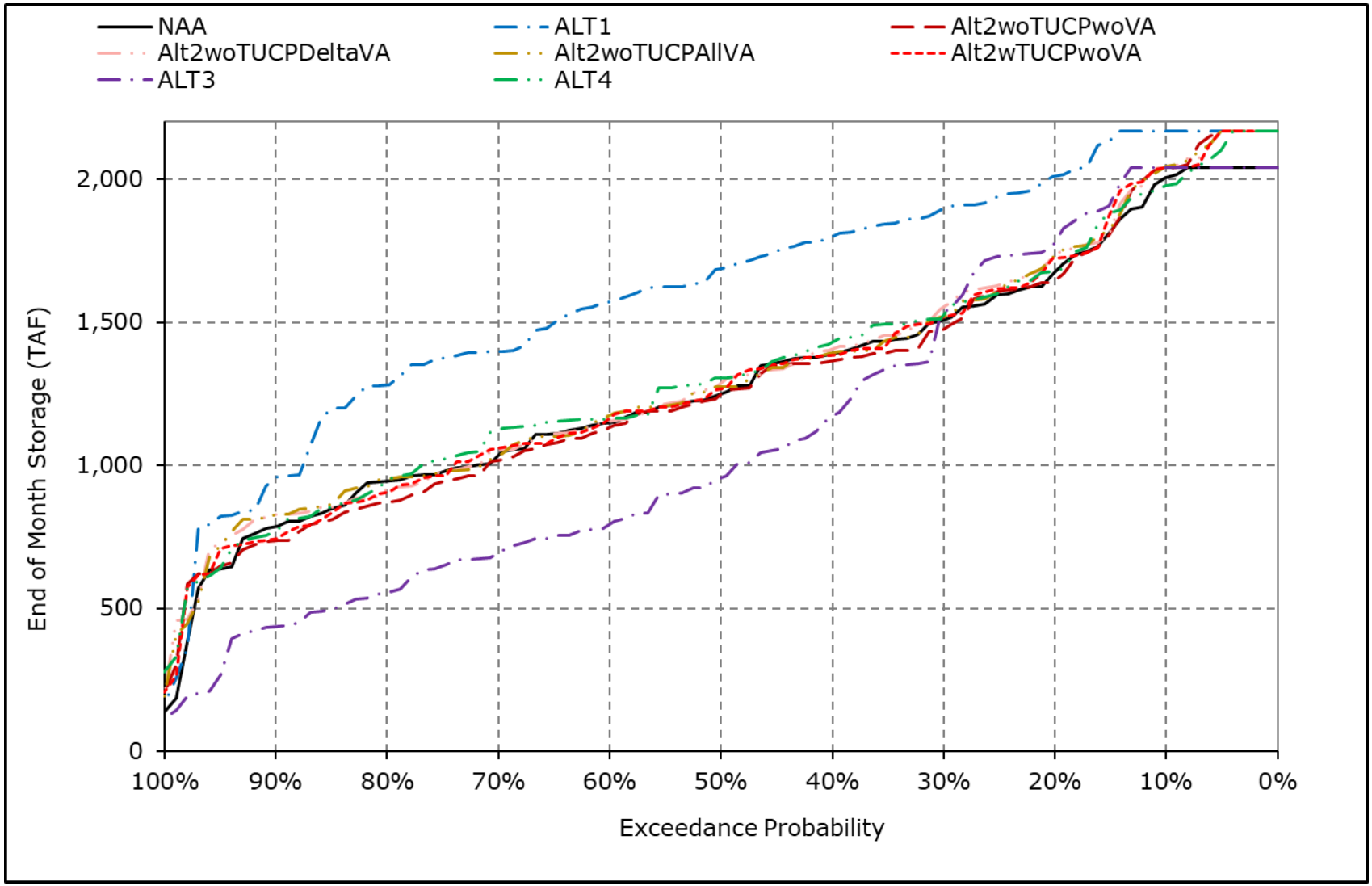
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-3. San Luis Storage (CVP and SWP), December



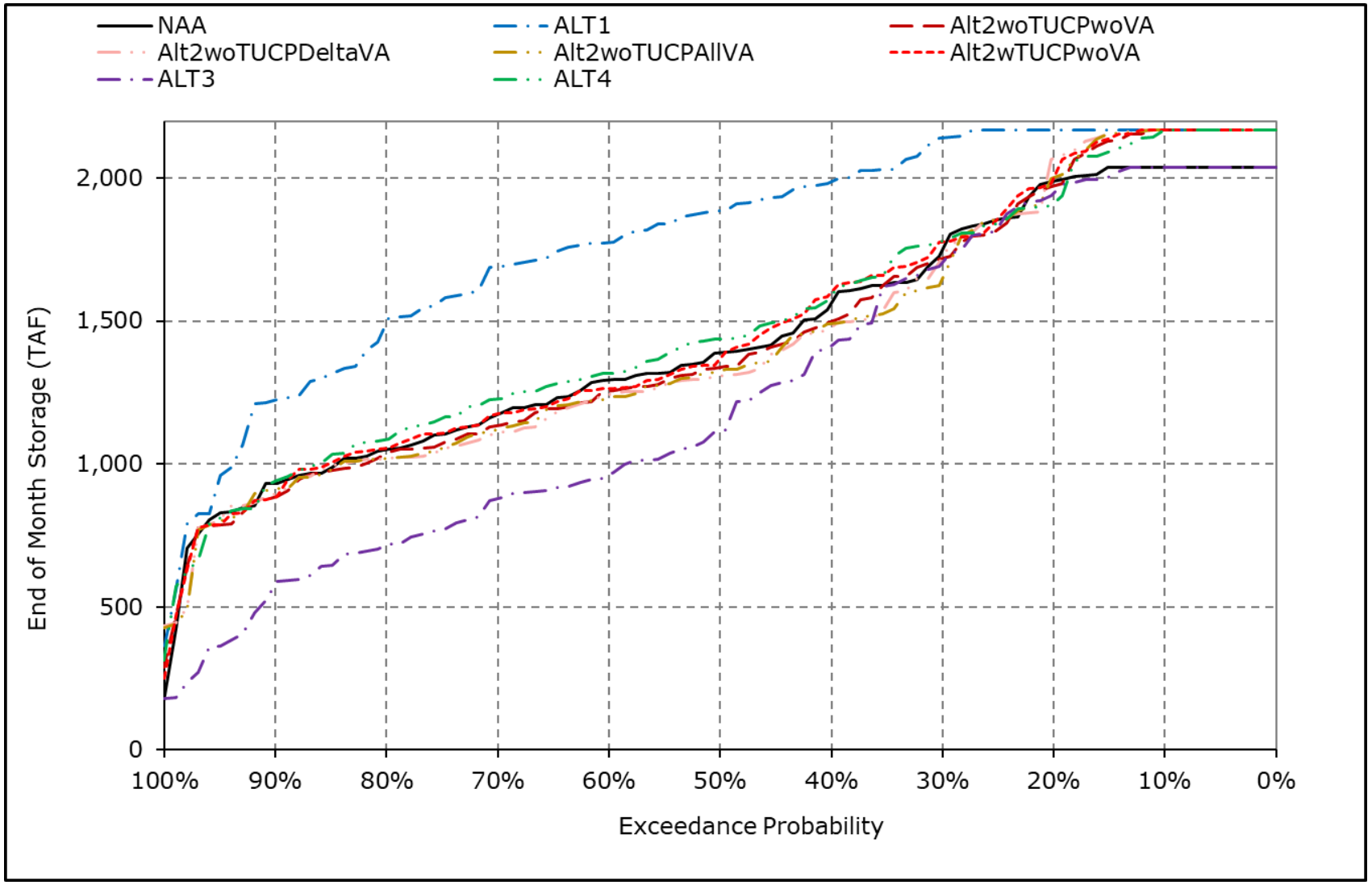
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-4. San Luis Storage (CVP and SWP), January



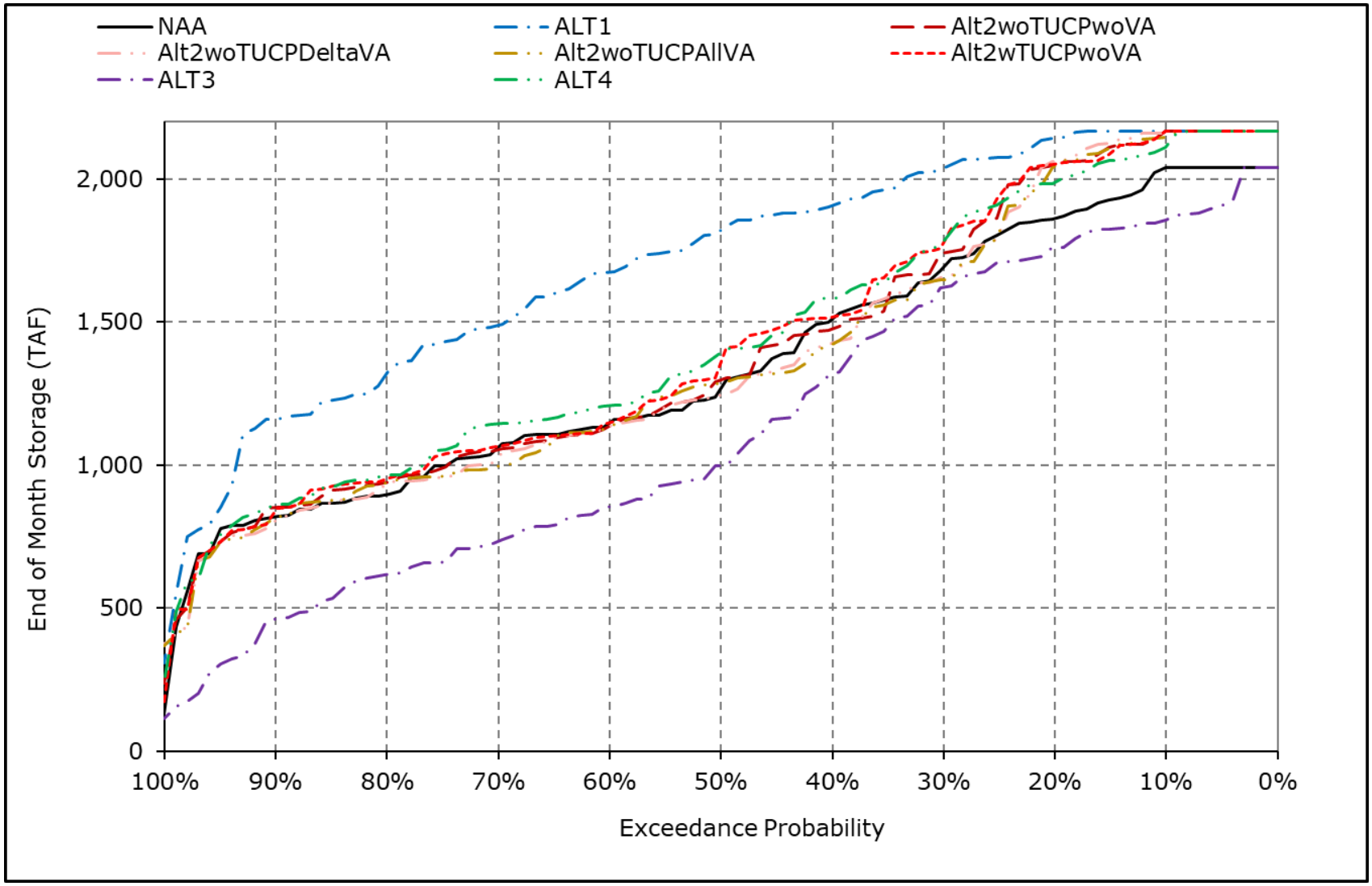
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-5. San Luis Storage (CVP and SWP), February



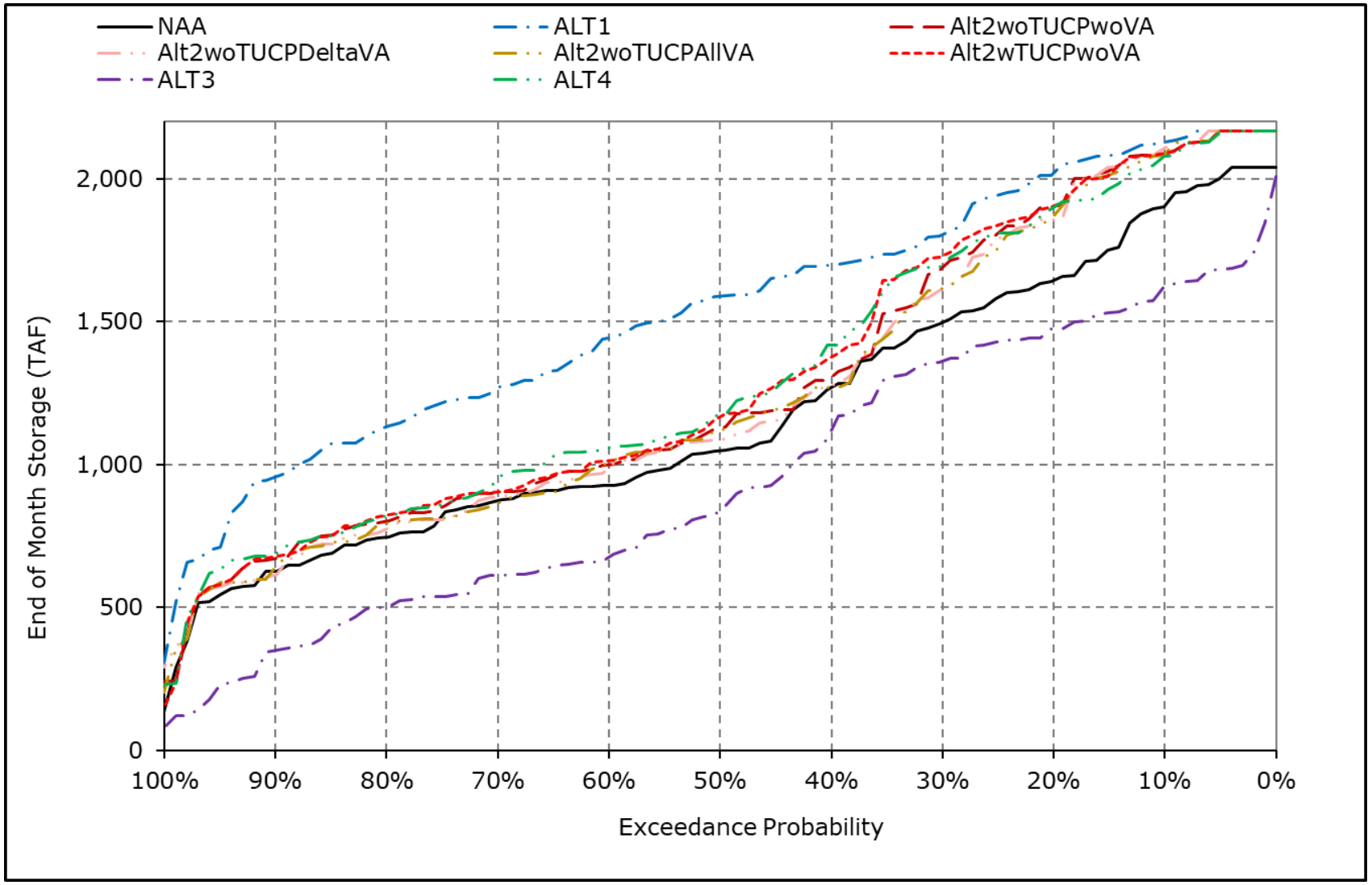
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-6. San Luis Storage (CVP and SWP), March



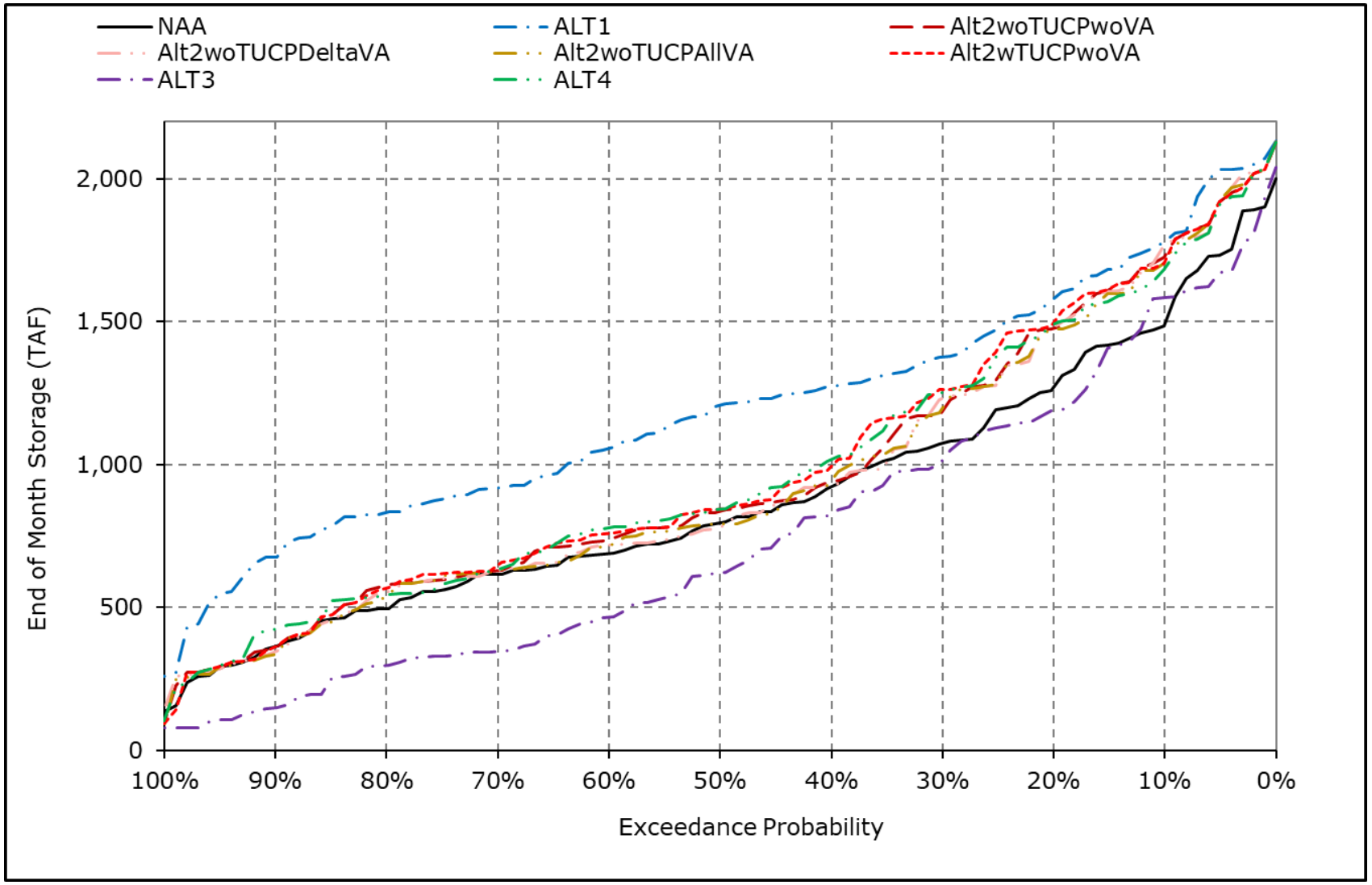
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-7. San Luis Storage (CVP and SWP), April



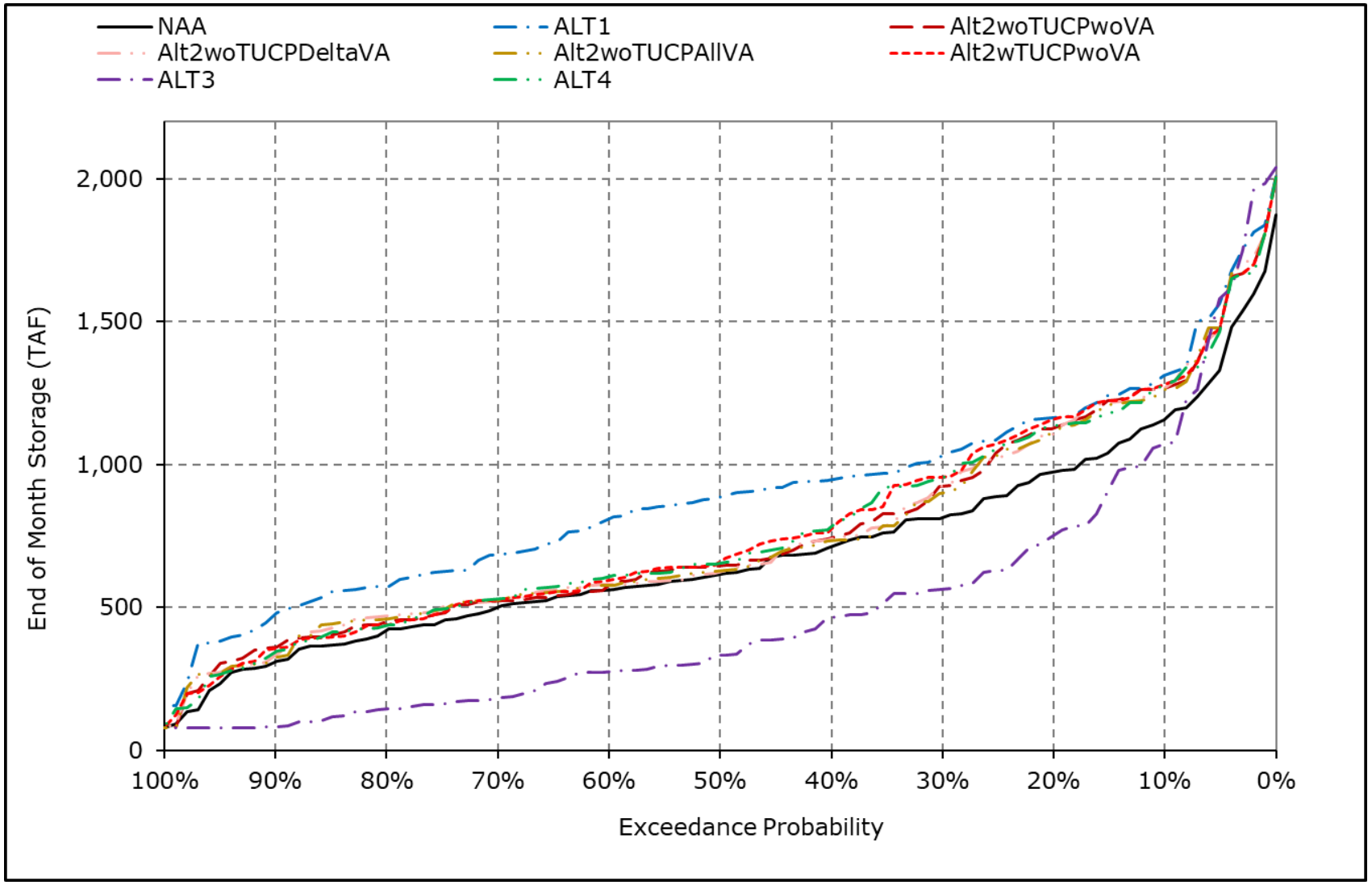
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-8. San Luis Storage (CVP and SWP), May



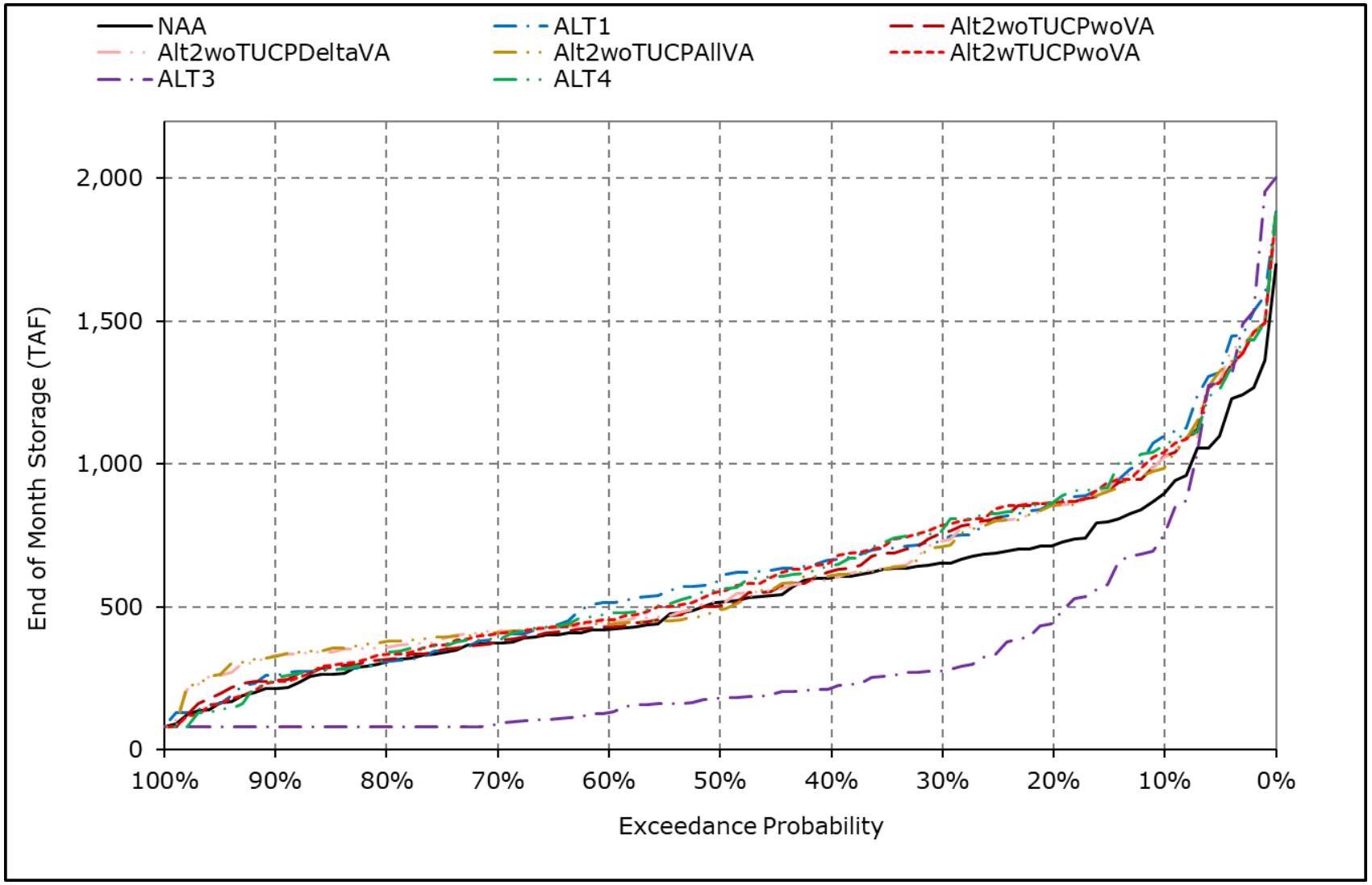
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-9. San Luis Storage (CVP and SWP), June



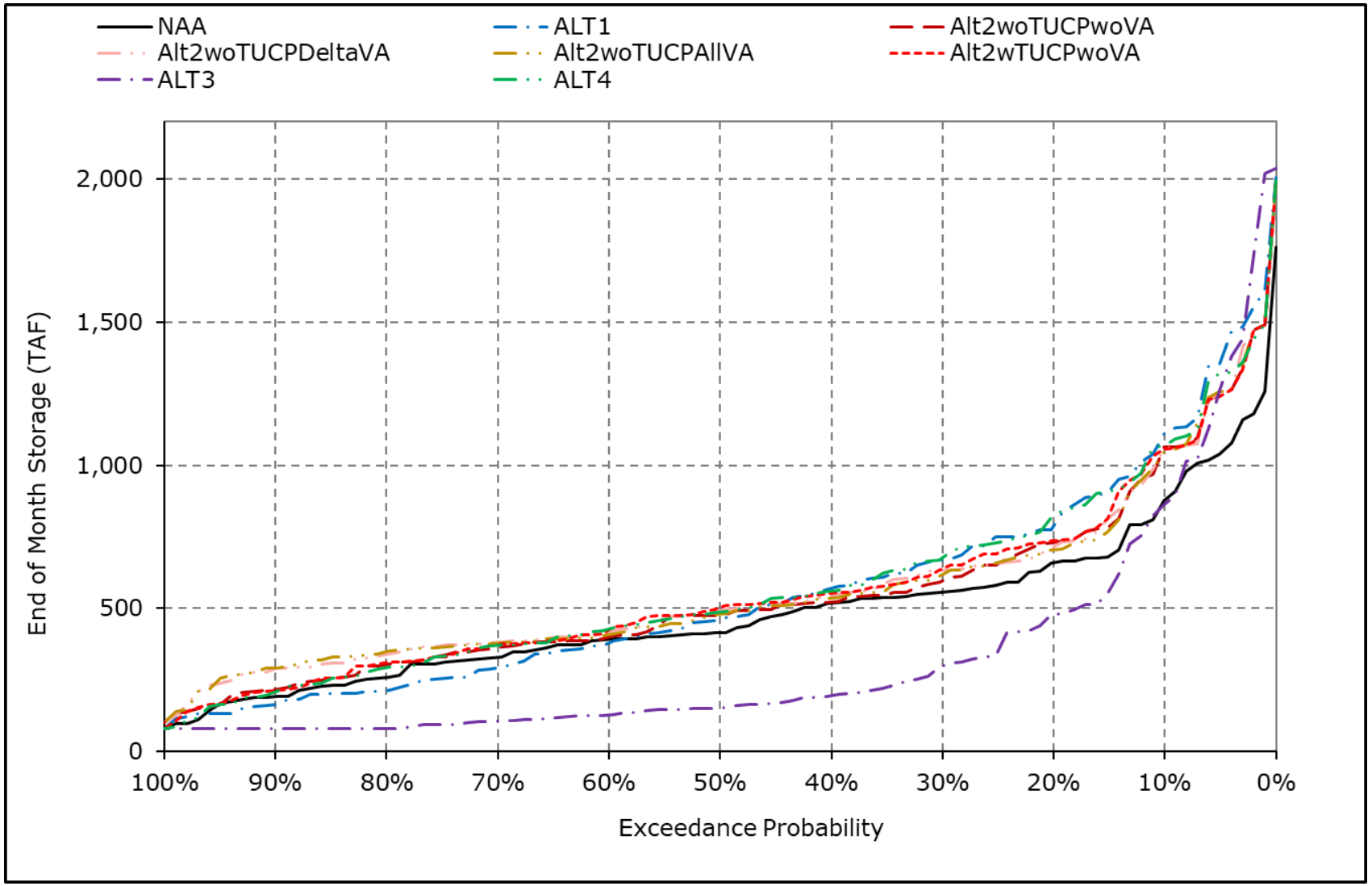
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-10. San Luis Storage (CVP and SWP), July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-11. San Luis Storage (CVP and SWP), August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-12. San Luis Storage (CVP and SWP), September

Table F.2.1-10-1a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-1b. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	465	487	519	547	556	556	556	552	523	483	462	463
20% Exceedance	445	466	503	530	541	556	553	542	506	468	439	431
30% Exceedance	423	447	480	511	533	553	544	525	488	456	425	417
40% Exceedance	413	430	461	497	525	540	533	516	479	447	417	406
50% Exceedance	386	405	442	486	515	532	526	507	472	441	409	392
60% Exceedance	370	381	426	476	505	523	514	494	458	433	399	380
70% Exceedance	352	363	406	462	490	515	498	478	444	419	381	368
80% Exceedance	341	349	390	445	479	499	483	465	435	406	370	352
90% Exceedance	334	338	366	418	448	474	468	448	418	394	362	342
Full Simulation Period Average[a]	395	409	443	482	506	522	516	501	469	439	408	398
Wet Water Years (28%)	453	470	498	515	538	550	548	539	509	476	450	448
Above Normal Water Years (14%)	405	417	452	498	525	540	532	512	472	440	415	405
Below Normal Water Years (18%)	370	383	419	493	511	531	522	500	462	432	398	382
Dry Water Years (24%)	366	383	418	457	486	506	497	480	451	425	388	373
Critical Water Years (16%)	355	360	402	437	459	471	465	456	432	403	370	360

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-1c. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	24	24	18	30	15	12	12	19	24	15	20	23
20% Exceedance	33	20	28	36	27	16	24	31	28	18	16	14
30% Exceedance	21	12	19	28	33	33	28	26	28	22	10	13
40% Exceedance	23	11	16	35	35	35	33	38	34	25	7	6
50% Exceedance	1	1	8	29	39	42	48	49	41	30	10	7
60% Exceedance	-6	-13	7	27	39	42	48	49	39	28	13	-2
70% Exceedance	-17	-17	-1	24	34	46	39	39	33	22	2	-6
80% Exceedance	-11	-23	-8	17	32	41	41	39	39	20	0	-9
90% Exceedance	-9	-17	-13	11	18	28	34	36	40	23	9	-6
Full Simulation Period Average[a]	7	-1	9	24	29	31	32	34	32	22	9	6
Wet Water Years (28%)	33	24	29	25	26	25	23	27	29	23	15	23
Above Normal Water Years (14%)	23	7	15	29	34	38	41	45	44	33	9	18
Below Normal Water Years (18%)	-9	-18	-6	29	34	41	46	48	45	30	8	-5
Dry Water Years (24%)	-8	-13	2	21	32	36	38	39	33	21	11	-4
Critical Water Years (16%)	-13	-15	-6	12	16	14	15	14	10	7	-2	-6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-2a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-2b. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	455	477	508	520	544	556	556	548	519	478	456	459
20% Exceedance	416	452	481	496	512	539	545	533	497	465	438	424
30% Exceedance	405	438	466	481	497	518	520	515	470	445	428	409
40% Exceedance	395	422	449	465	487	499	497	482	447	426	412	400
50% Exceedance	386	408	436	458	476	485	481	465	436	414	398	394
60% Exceedance	381	393	420	445	465	477	466	453	425	406	387	383
70% Exceedance	374	384	409	438	454	465	458	443	412	400	380	378
80% Exceedance	357	372	397	425	439	456	446	432	406	390	372	370
90% Exceedance	341	360	378	403	425	441	437	418	378	378	358	353
Full Simulation Period Average[a]	393	413	437	459	478	492	488	476	444	424	405	399
Wet Water Years (28%)	434	458	478	492	515	532	535	529	496	469	450	440
Above Normal Water Years (14%)	388	413	439	468	491	504	499	482	439	418	415	398
Below Normal Water Years (18%)	384	404	426	462	475	487	479	461	421	406	393	391
Dry Water Years (24%)	376	398	418	435	451	467	460	446	420	406	379	379
Critical Water Years (16%)	362	367	403	423	443	452	448	442	421	396	369	365

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-2c. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	15	8	4	2	12	12	14	20	10	13	19
20% Exceedance	4	6	5	2	-3	-1	15	22	19	15	16	8
30% Exceedance	3	2	4	-2	-3	-3	4	16	11	12	12	5
40% Exceedance	5	3	4	3	-2	-6	-3	3	2	4	3	0
50% Exceedance	1	4	1	1	0	-5	3	7	4	4	-2	9
60% Exceedance	4	0	1	-4	-2	-3	-1	8	6	2	1	1
70% Exceedance	5	5	2	0	-2	-4	-1	3	1	3	1	5
80% Exceedance	5	-1	-1	-4	-8	-1	4	6	10	4	1	9
90% Exceedance	-2	5	-1	-3	-6	-5	3	5	-1	7	5	5
Full Simulation Period Average[a]	5	3	3	0	0	0	4	10	7	7	6	7
Wet Water Years (28%)	14	11	10	3	4	7	11	18	17	16	15	15
Above Normal Water Years (14%)	6	3	2	-1	0	1	8	14	11	11	9	11
Below Normal Water Years (18%)	4	3	0	-2	-3	-3	2	9	5	5	3	4
Dry Water Years (24%)	1	1	2	-1	-3	-3	0	4	2	1	2	2
Critical Water Years (16%)	-6	-7	-5	-2	0	-5	-2	0	-1	0	-3	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-3a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-3b. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	455	484	510	524	544	556	555	550	522	478	455	458
20% Exceedance	422	457	485	500	519	546	546	529	497	463	438	423
30% Exceedance	406	438	466	485	504	518	513	509	475	445	424	413
40% Exceedance	398	423	447	465	491	497	493	479	445	425	409	402
50% Exceedance	392	411	438	459	480	482	476	461	430	412	400	396
60% Exceedance	384	403	425	451	467	476	466	452	423	407	390	385
70% Exceedance	375	389	414	441	458	463	456	441	413	400	385	381
80% Exceedance	361	376	401	428	444	455	446	429	404	393	378	375
90% Exceedance	350	365	389	416	435	442	433	411	376	374	373	367
Full Simulation Period Average[a]	397	417	441	463	481	491	486	474	443	424	408	402
Wet Water Years (28%)	435	460	479	495	518	534	535	528	496	468	449	440
Above Normal Water Years (14%)	387	416	441	471	493	500	492	475	432	411	409	396
Below Normal Water Years (18%)	389	411	434	469	481	485	476	458	421	407	399	396
Dry Water Years (24%)	382	403	424	439	454	465	456	443	418	408	386	385
Critical Water Years (16%)	368	370	409	426	446	455	450	443	422	401	376	372

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-3c. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	21	9	8	3	12	12	17	23	10	13	18
20% Exceedance	11	11	9	6	5	6	16	18	19	13	15	7
30% Exceedance	5	2	5	2	4	-2	-3	10	15	12	9	9
40% Exceedance	9	4	2	3	1	-7	-7	0	1	3	-1	3
50% Exceedance	7	7	3	2	4	-8	-2	4	-1	1	0	11
60% Exceedance	7	9	6	2	0	-5	-1	7	3	2	4	4
70% Exceedance	5	9	8	3	2	-6	-3	1	2	3	6	7
80% Exceedance	9	3	3	0	-3	-3	4	3	7	7	7	14
90% Exceedance	8	11	11	9	4	-4	-1	-1	-3	3	21	19
Full Simulation Period Average[a]	8	7	7	4	3	0	2	8	6	7	9	10
Wet Water Years (28%)	14	14	11	6	6	8	10	17	16	15	14	15
Above Normal Water Years (14%)	5	6	4	2	2	-2	1	8	4	3	3	9
Below Normal Water Years (18%)	10	11	8	5	3	-5	0	6	5	6	8	9
Dry Water Years (24%)	8	7	8	3	0	-5	-3	1	-1	3	9	8
Critical Water Years (16%)	0	-5	1	2	3	-2	0	2	1	5	3	7

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-4a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-4b. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	454	483	511	525	544	556	554	548	517	478	452	457
20% Exceedance	421	455	483	498	519	541	544	530	497	464	438	421
30% Exceedance	406	439	467	483	501	512	512	509	472	442	422	411
40% Exceedance	397	421	447	465	490	498	493	478	447	425	410	402
50% Exceedance	391	409	435	460	479	483	480	464	431	412	396	394
60% Exceedance	382	402	423	450	469	474	465	454	423	407	389	384
70% Exceedance	374	391	414	442	456	464	452	439	413	400	384	380
80% Exceedance	366	379	407	429	448	455	446	431	402	391	380	376
90% Exceedance	352	369	389	416	435	444	434	414	374	373	373	367
Full Simulation Period Average[a]	397	418	441	462	481	491	486	474	443	423	407	401
Wet Water Years (28%)	435	460	479	494	517	533	534	528	496	468	450	440
Above Normal Water Years (14%)	385	414	439	471	494	501	493	475	432	411	408	393
Below Normal Water Years (18%)	387	410	433	468	480	484	474	457	420	405	397	395
Dry Water Years (24%)	382	404	425	441	456	466	458	443	418	407	385	384
Critical Water Years (16%)	371	374	409	426	445	454	450	444	423	401	377	374

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-4c. San Luis Reservoir (State Water Project and Central Valley Project), Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	20	10	8	3	12	10	14	19	10	10	17
20% Exceedance	9	9	8	4	5	1	15	19	19	13	15	5
30% Exceedance	4	3	6	0	1	-9	-4	10	12	9	7	7
40% Exceedance	7	2	2	3	0	-6	-8	0	2	2	1	2
50% Exceedance	6	4	1	3	2	-6	2	7	-1	1	-4	9
60% Exceedance	5	8	3	1	2	-6	-1	8	3	2	3	2
70% Exceedance	4	11	7	3	0	-5	-6	-1	2	3	5	7
80% Exceedance	14	6	9	0	1	-3	4	5	6	5	10	15
90% Exceedance	9	14	10	9	4	-2	0	2	-4	2	20	19
Full Simulation Period Average[a]	8	8	7	4	3	0	2	8	6	7	8	10
Wet Water Years (28%)	14	14	11	5	5	8	10	17	16	15	14	15
Above Normal Water Years (14%)	4	4	2	2	2	-2	2	8	4	3	2	6
Below Normal Water Years (18%)	8	9	7	4	2	-6	-2	5	3	4	7	8
Dry Water Years (24%)	8	7	9	4	2	-4	-2	2	0	3	8	8
Critical Water Years (16%)	3	-1	2	2	2	-3	0	2	1	5	5	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-5a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-5b. San Luis Reservoir (State Water Project and Central Valley Project), Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	458	477	509	521	544	556	556	548	517	479	457	458
20% Exceedance	428	452	480	496	518	540	545	533	499	468	439	425
30% Exceedance	407	443	466	482	501	523	523	519	477	448	430	413
40% Exceedance	399	426	450	465	489	508	501	488	452	429	416	404
50% Exceedance	388	410	436	458	478	487	487	469	437	416	403	397
60% Exceedance	382	397	421	450	469	478	467	454	428	408	391	387
70% Exceedance	374	389	411	439	458	469	459	443	415	400	384	379
80% Exceedance	358	372	402	429	443	458	448	434	405	389	374	371
90% Exceedance	341	360	385	405	426	441	437	418	378	377	358	352
Full Simulation Period Average[a]	395	416	439	461	480	494	490	478	446	425	407	400
Wet Water Years (28%)	434	458	478	492	515	532	535	529	496	469	450	440
Above Normal Water Years (14%)	387	413	438	467	491	504	499	482	439	418	415	398
Below Normal Water Years (18%)	385	405	427	468	480	492	483	465	424	409	396	394
Dry Water Years (24%)	375	397	418	436	452	468	460	446	421	407	379	379
Critical Water Years (16%)	375	384	416	428	448	460	454	447	428	402	378	373

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-5c. San Luis Reservoir (State Water Project and Central Valley Project), Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17	15	8	4	3	12	12	15	19	11	15	18
20% Exceedance	16	6	5	2	4	1	15	22	21	18	16	9
30% Exceedance	5	7	5	-1	1	2	7	20	18	15	15	10
40% Exceedance	9	7	5	3	-1	3	0	10	8	7	7	4
50% Exceedance	3	6	1	1	2	-2	9	11	5	5	4	12
60% Exceedance	6	4	1	1	2	-3	0	9	8	4	4	5
70% Exceedance	5	9	5	1	2	0	0	3	4	3	5	6
80% Exceedance	6	0	5	0	-4	0	6	8	9	3	3	9
90% Exceedance	-2	6	6	-1	-5	-5	3	6	-1	6	5	4
Full Simulation Period Average[a]	7	6	5	2	2	3	6	11	9	9	8	8
Wet Water Years (28%)	14	11	10	3	3	7	11	18	17	16	15	15
Above Normal Water Years (14%)	6	2	1	-2	0	2	8	15	11	10	9	11
Below Normal Water Years (18%)	5	4	1	4	3	2	7	12	8	8	6	7
Dry Water Years (24%)	1	1	2	0	-2	-2	1	5	3	2	2	2
Critical Water Years (16%)	7	9	8	4	5	3	4	6	6	6	6	7

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-6a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-6b. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	445	478	491	535	544	544	529	510	506	460	428	439
20% Exceedance	410	431	457	494	523	537	521	497	471	427	390	394
30% Exceedance	387	417	439	476	502	517	510	487	454	405	365	369
40% Exceedance	371	405	421	432	469	492	483	464	435	392	353	349
50% Exceedance	354	386	403	421	448	464	453	436	412	374	346	340
60% Exceedance	337	374	380	409	431	449	438	418	392	364	336	336
70% Exceedance	327	363	366	394	420	440	425	411	376	346	329	331
80% Exceedance	326	338	346	380	404	423	411	397	369	339	326	326
90% Exceedance	326	326	331	352	388	407	392	376	340	327	326	326
Full Simulation Period Average[a]	373	395	408	432	458	471	460	442	419	387	364	363
Wet Water Years (28%)	399	423	437	491	516	527	517	495	482	443	406	396
Above Normal Water Years (14%)	342	357	370	422	461	482	471	450	422	378	345	331
Below Normal Water Years (18%)	377	414	426	430	449	464	454	437	410	377	356	365
Dry Water Years (24%)	363	389	404	391	416	434	420	403	371	347	333	346
Critical Water Years (16%)	363	370	376	405	424	429	418	407	387	368	358	359

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-6c. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	15	-10	18	3	0	-14	-23	8	-8	-15	-1
20% Exceedance	-2	-15	-18	0	9	-3	-8	-15	-7	-23	-33	-22
30% Exceedance	-15	-18	-22	-7	2	-4	-6	-12	-5	-29	-51	-35
40% Exceedance	-19	-14	-24	-30	-20	-13	-17	-14	-10	-30	-56	-51
50% Exceedance	-31	-18	-32	-36	-28	-26	-25	-21	-20	-37	-53	-45
60% Exceedance	-40	-20	-40	-40	-36	-32	-29	-27	-27	-40	-50	-46
70% Exceedance	-43	-17	-41	-44	-36	-29	-34	-29	-35	-51	-51	-42
80% Exceedance	-26	-35	-51	-49	-43	-35	-31	-29	-27	-47	-44	-35
90% Exceedance	-17	-28	-48	-55	-42	-39	-42	-36	-39	-44	-27	-22
Full Simulation Period Average[a]	-16	-15	-26	-26	-20	-20	-24	-25	-18	-30	-35	-28
Wet Water Years (28%)	-21	-23	-31	1	5	2	-7	-16	2	-9	-29	-29
Above Normal Water Years (14%)	-40	-53	-67	-47	-31	-20	-20	-17	-6	-29	-61	-56
Below Normal Water Years (18%)	-3	14	1	-34	-28	-26	-22	-15	-6	-24	-34	-22
Dry Water Years (24%)	-11	-8	-12	-46	-38	-36	-40	-39	-47	-58	-43	-31
Critical Water Years (16%)	-5	-5	-32	-19	-19	-28	-31	-35	-35	-28	-15	-6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-7a. San Luis Reservoir (State Water Project and Central Valley Project), No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	463	501	517	541	544	544	533	499	468	442	440
20% Exceedance	412	446	475	494	514	540	530	512	478	450	423	416
30% Exceedance	402	435	461	483	500	520	516	499	460	433	415	404
40% Exceedance	390	419	445	462	490	505	500	478	445	422	409	399
50% Exceedance	385	404	435	457	476	489	478	457	431	411	399	385
60% Exceedance	377	394	419	449	467	480	467	445	420	405	386	382
70% Exceedance	370	380	407	438	456	469	459	440	411	397	379	373
80% Exceedance	352	373	398	429	447	458	442	426	396	386	370	361
90% Exceedance	343	355	379	406	430	446	434	412	378	371	353	348
Full Simulation Period Average[a]	388	410	434	459	478	492	484	466	437	417	399	392
Wet Water Years (28%)	421	446	468	489	512	525	525	511	480	453	435	425
Above Normal Water Years (14%)	381	410	437	469	492	503	491	467	428	408	406	387
Below Normal Water Years (18%)	380	401	425	464	477	490	476	452	416	401	390	387
Dry Water Years (24%)	374	397	416	436	454	470	460	441	418	405	377	377
Critical Water Years (16%)	368	375	408	425	443	457	450	442	422	396	372	366

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-7b. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 4, End-of-Month Elevation (Feet)

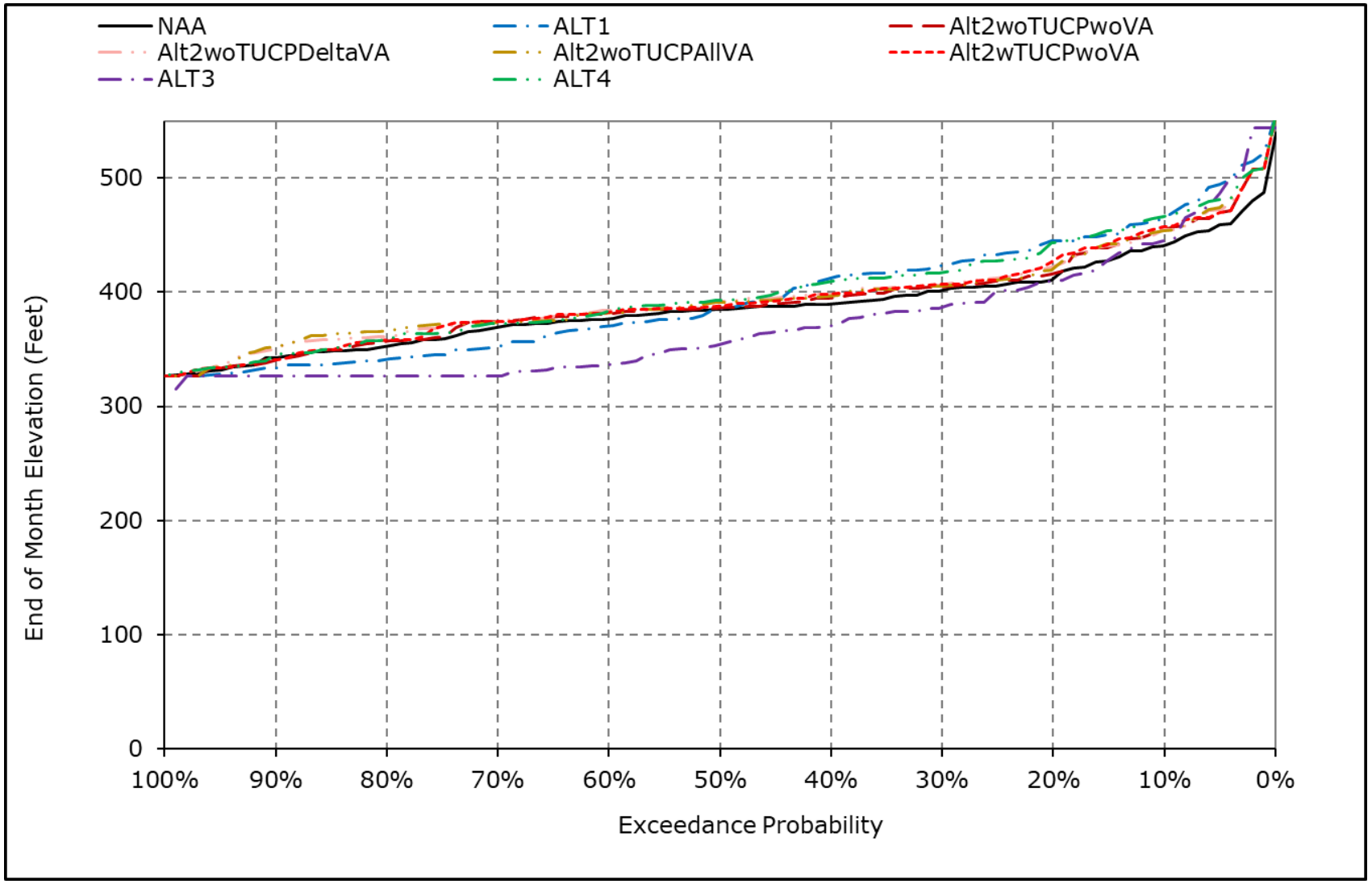
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	466	488	505	518	539	556	551	547	516	479	459	459
20% Exceedance	444	469	487	501	515	534	540	533	498	466	439	434
30% Exceedance	417	446	464	485	501	523	523	517	477	448	429	418
40% Exceedance	410	434	454	464	493	507	506	492	455	430	414	404
50% Exceedance	393	418	434	457	482	494	490	469	436	415	404	395
60% Exceedance	384	400	418	446	468	483	472	458	430	410	394	387
70% Exceedance	373	382	407	439	465	474	466	448	413	401	382	379
80% Exceedance	358	373	394	421	447	461	449	434	402	388	374	368
90% Exceedance	345	357	376	399	429	447	438	420	386	375	360	351
Full Simulation Period Average[a]	400	420	437	459	481	496	491	479	446	425	407	401
Wet Water Years (28%)	449	471	483	488	512	531	534	527	494	467	451	444
Above Normal Water Years (14%)	401	426	443	466	492	506	500	482	438	417	416	403
Below Normal Water Years (18%)	383	401	420	468	482	492	483	464	422	407	396	392
Dry Water Years (24%)	374	395	411	438	458	474	465	450	423	409	381	379
Critical Water Years (16%)	371	380	409	426	452	464	458	450	430	401	375	369

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-10-7c. San Luis Reservoir (State Water Project and Central Valley Project), Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

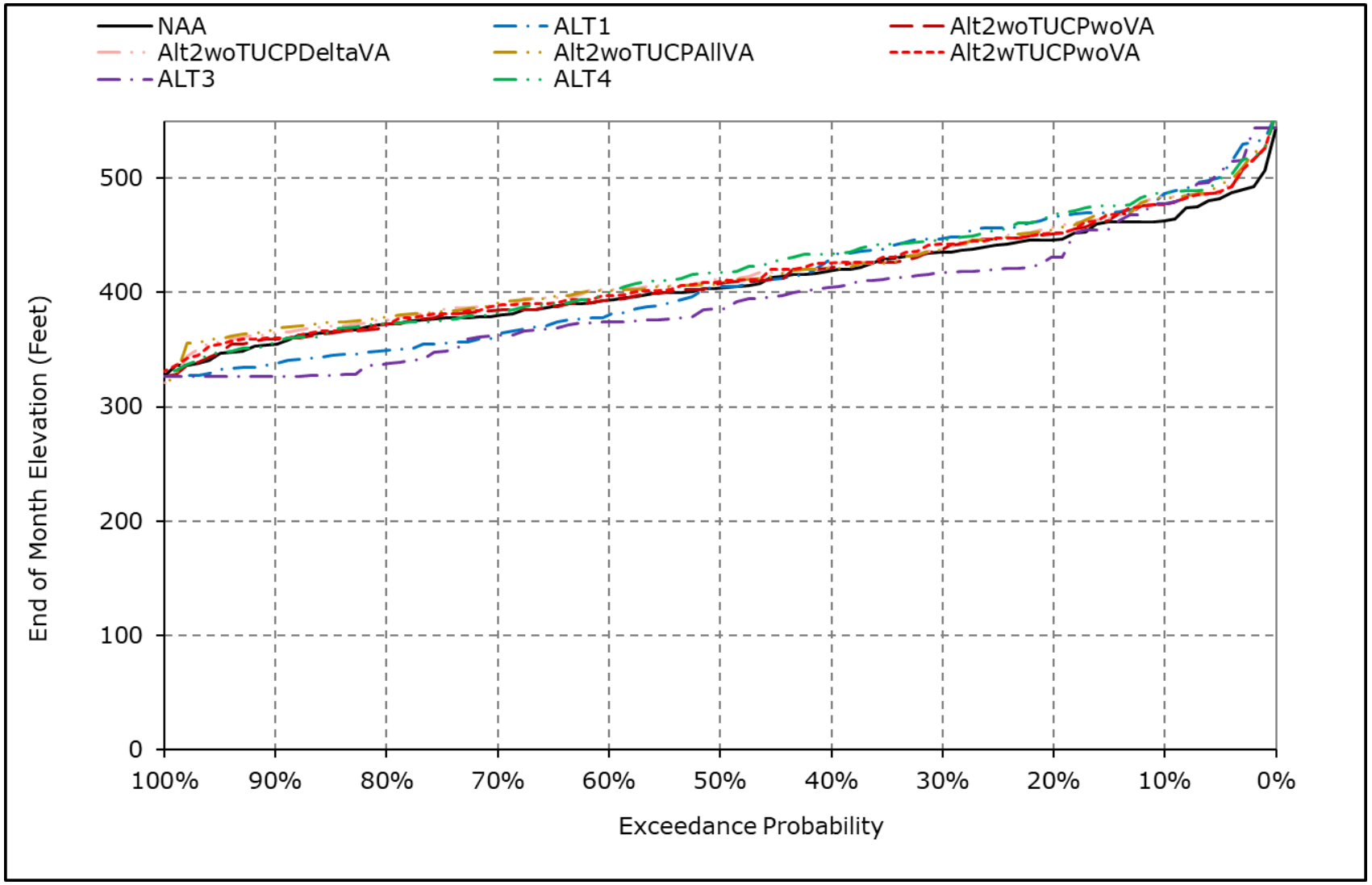
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	25	25	4	1	-2	12	7	14	17	11	17	19
20% Exceedance	32	22	12	7	0	-6	10	21	20	16	16	18
30% Exceedance	16	11	2	2	1	3	8	18	17	15	14	14
40% Exceedance	20	15	9	2	4	2	6	14	10	8	5	5
50% Exceedance	8	14	0	0	5	4	12	12	5	5	5	10
60% Exceedance	7	6	-2	-3	1	2	6	13	10	5	8	5
70% Exceedance	3	2	1	1	8	5	8	8	2	4	2	6
80% Exceedance	6	0	-4	-7	0	3	7	8	6	2	3	7
90% Exceedance	2	3	-3	-8	-2	1	4	7	8	5	7	3
Full Simulation Period Average[a]	12	10	3	0	4	4	8	12	9	8	8	10
Wet Water Years (28%)	28	24	14	-2	1	5	9	16	15	14	15	19
Above Normal Water Years (14%)	20	16	6	-3	0	3	9	15	11	10	10	16
Below Normal Water Years (18%)	3	1	-5	3	5	3	7	11	6	6	6	4
Dry Water Years (24%)	0	-2	-5	2	4	3	5	9	5	4	4	2
Critical Water Years (16%)	3	5	2	2	9	7	8	9	8	6	2	4

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



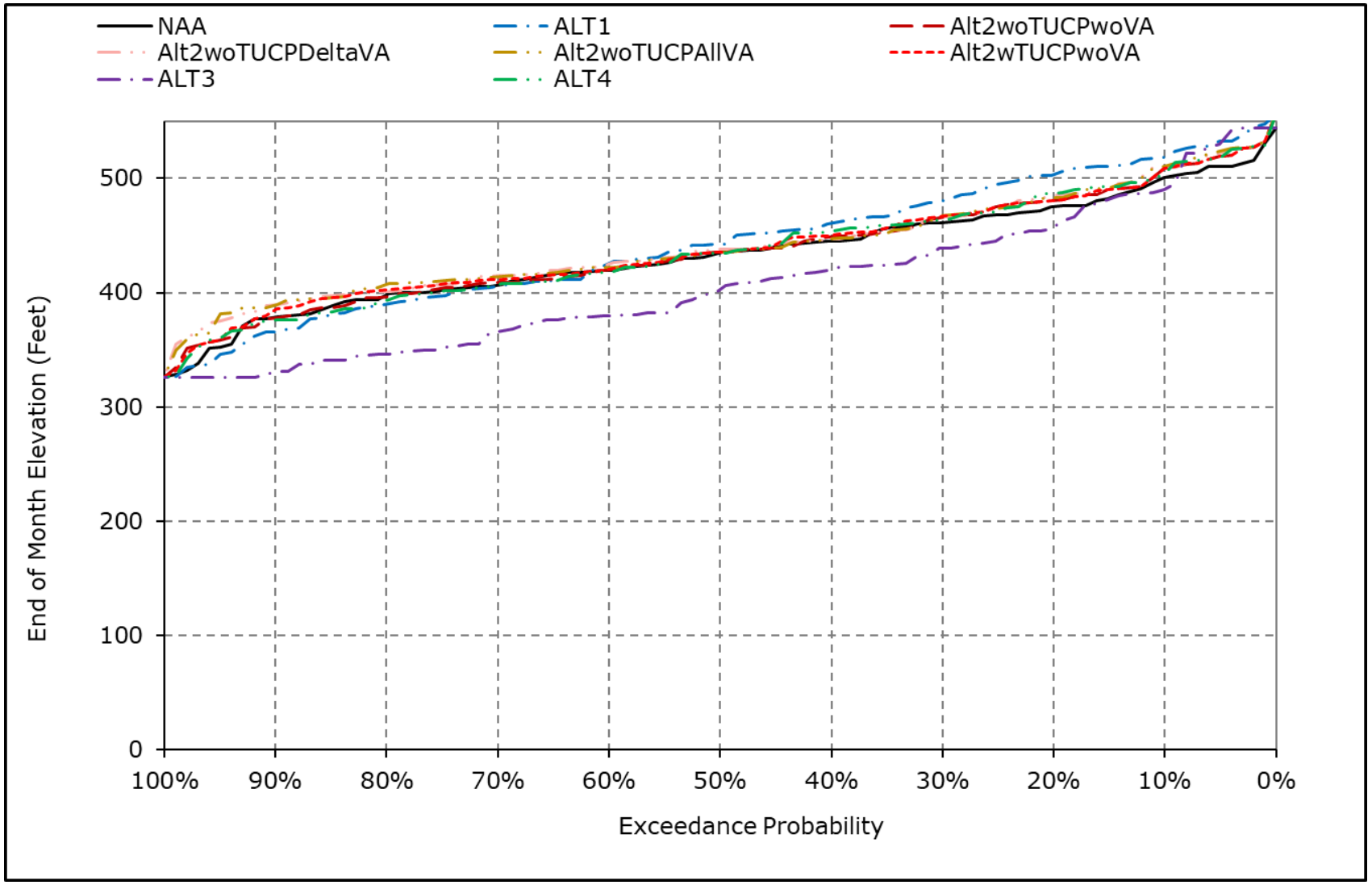
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-1. San Luis Reservoir (SWP and CVP), October



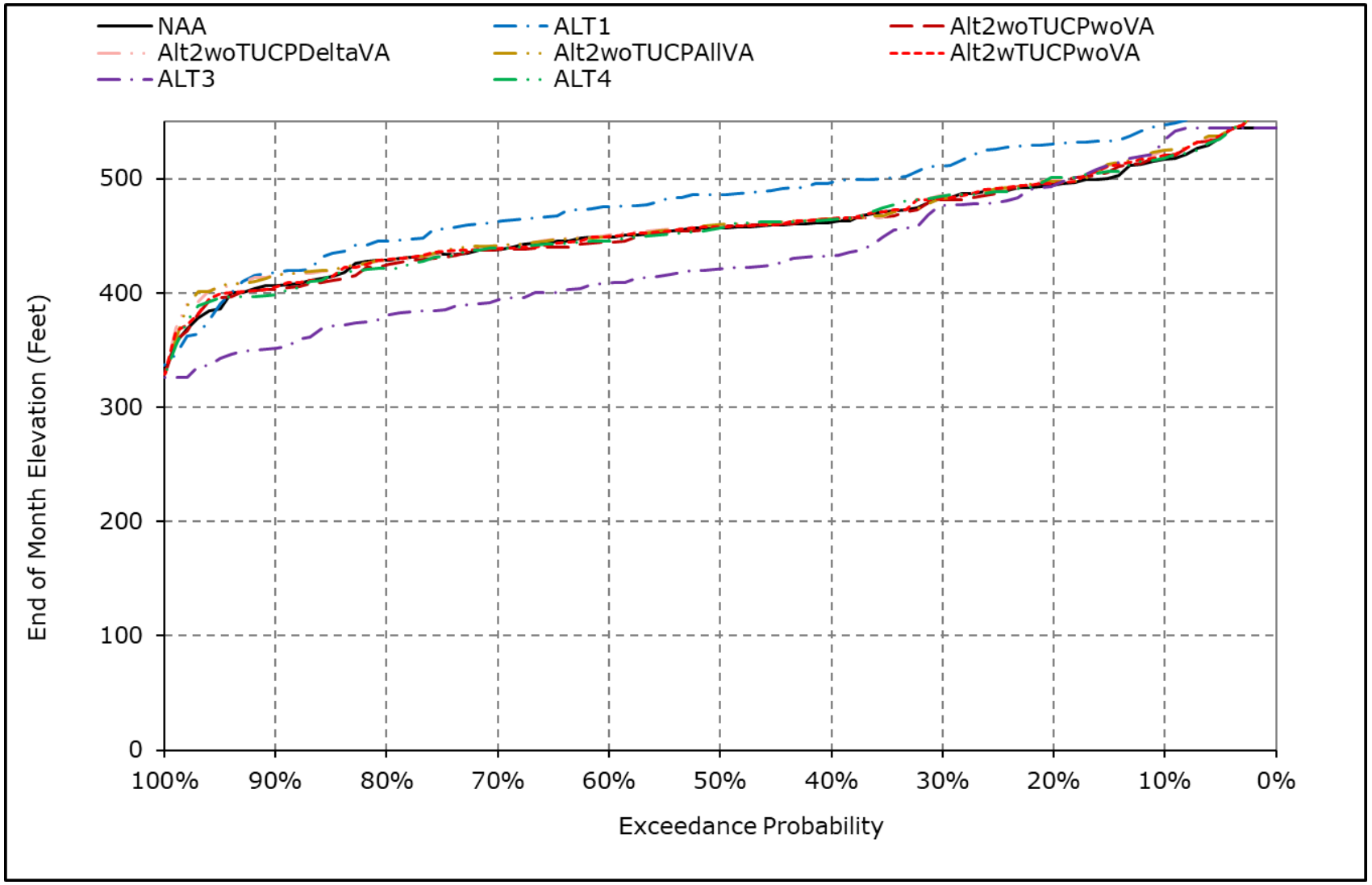
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-2. San Luis Reservoir (SWP and CVP), November



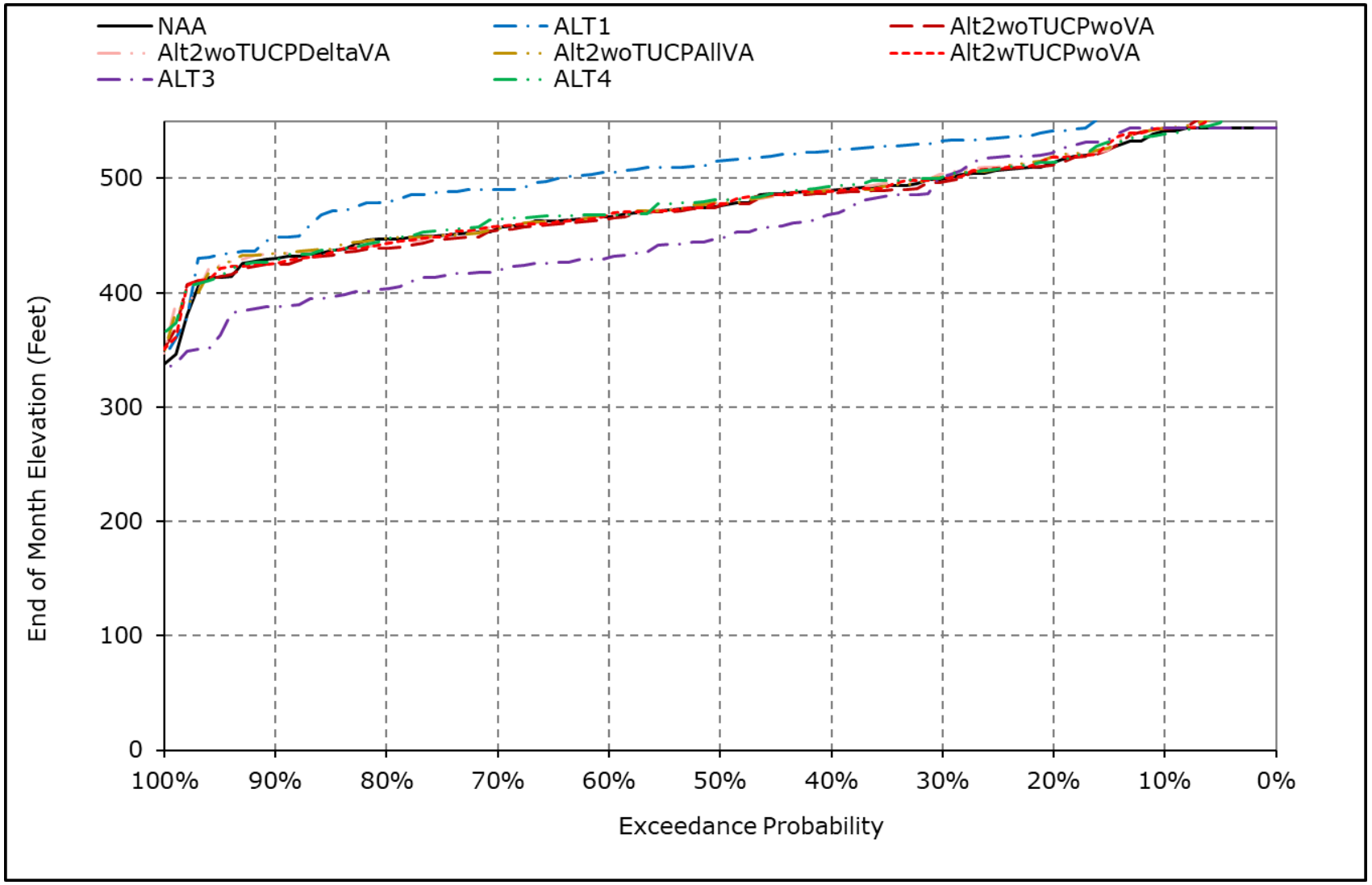
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-3. San Luis Reservoir (SWP and CVP), December



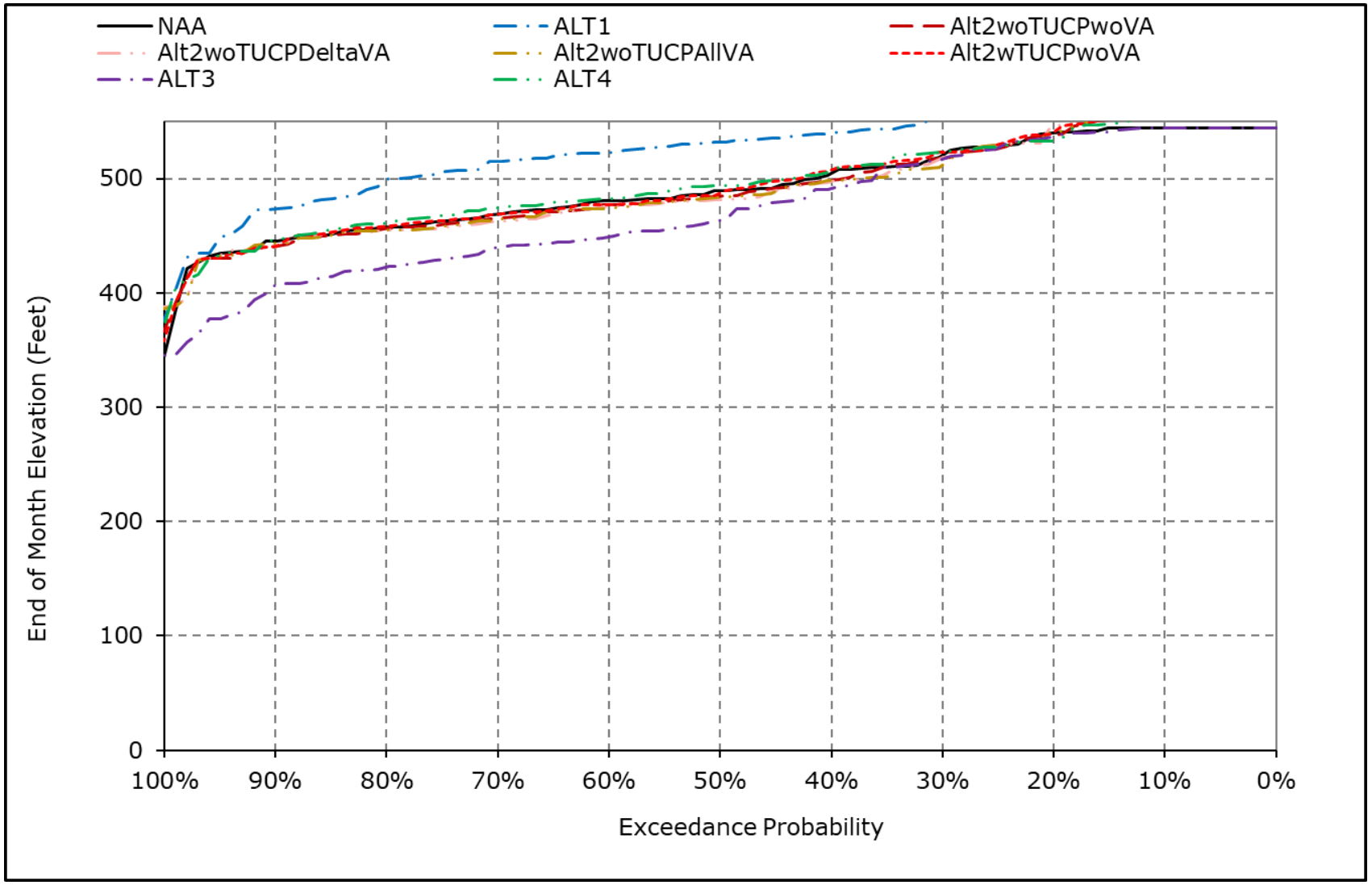
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-4. San Luis Reservoir (SWP and CVP), January



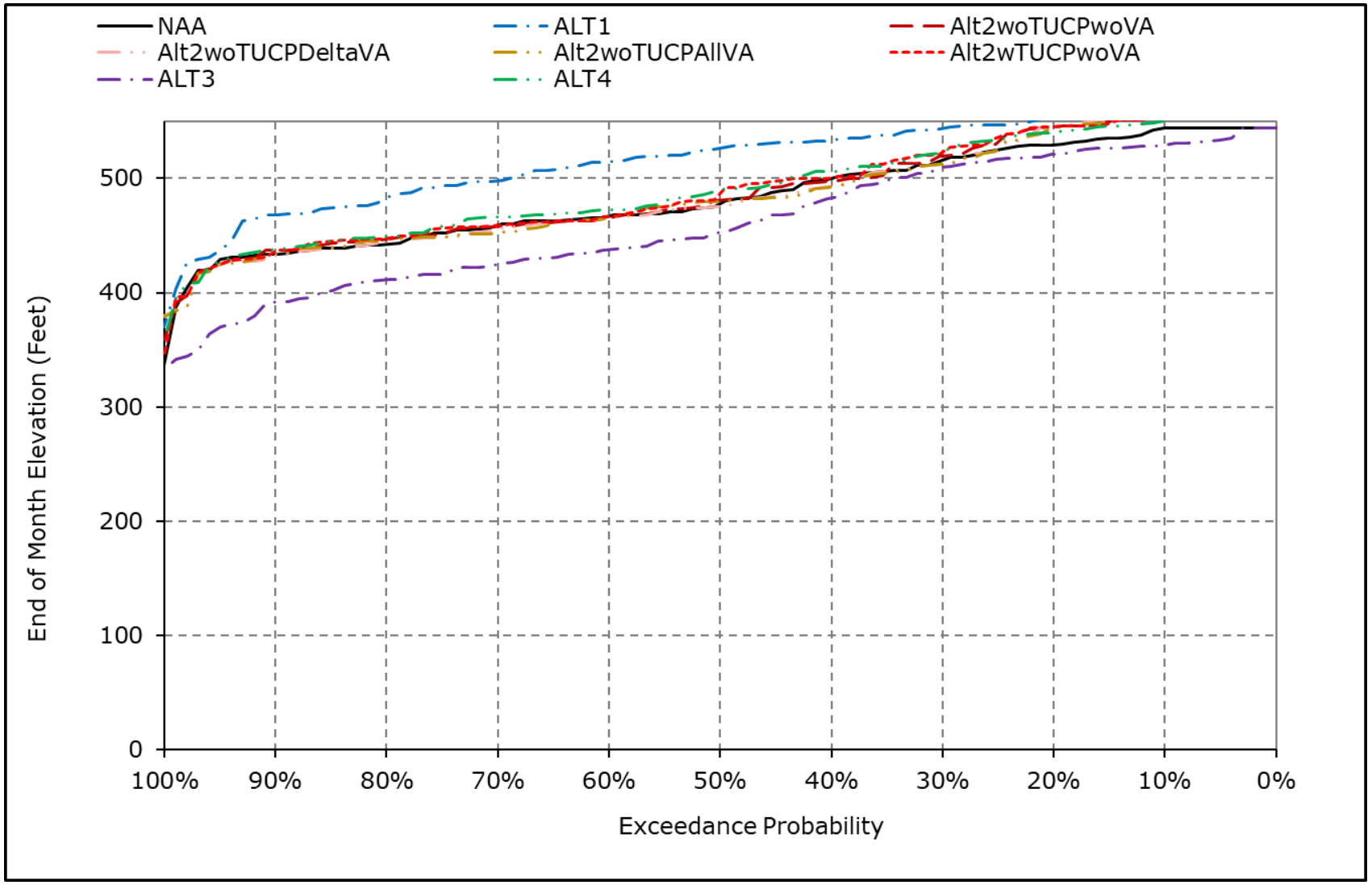
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-5. San Luis Reservoir (SWP and CVP), February



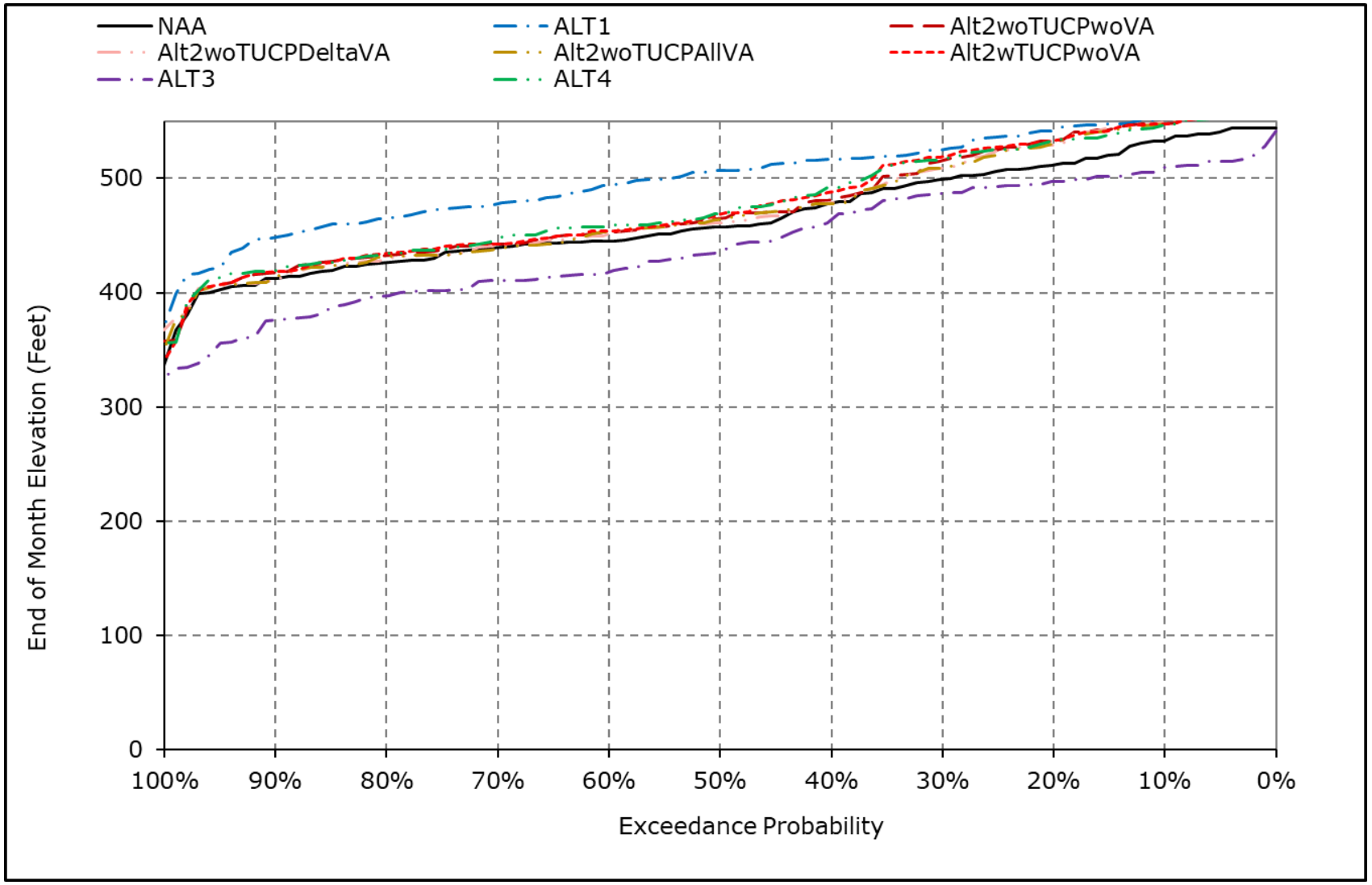
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-6. San Luis Reservoir (SWP and CVP), March



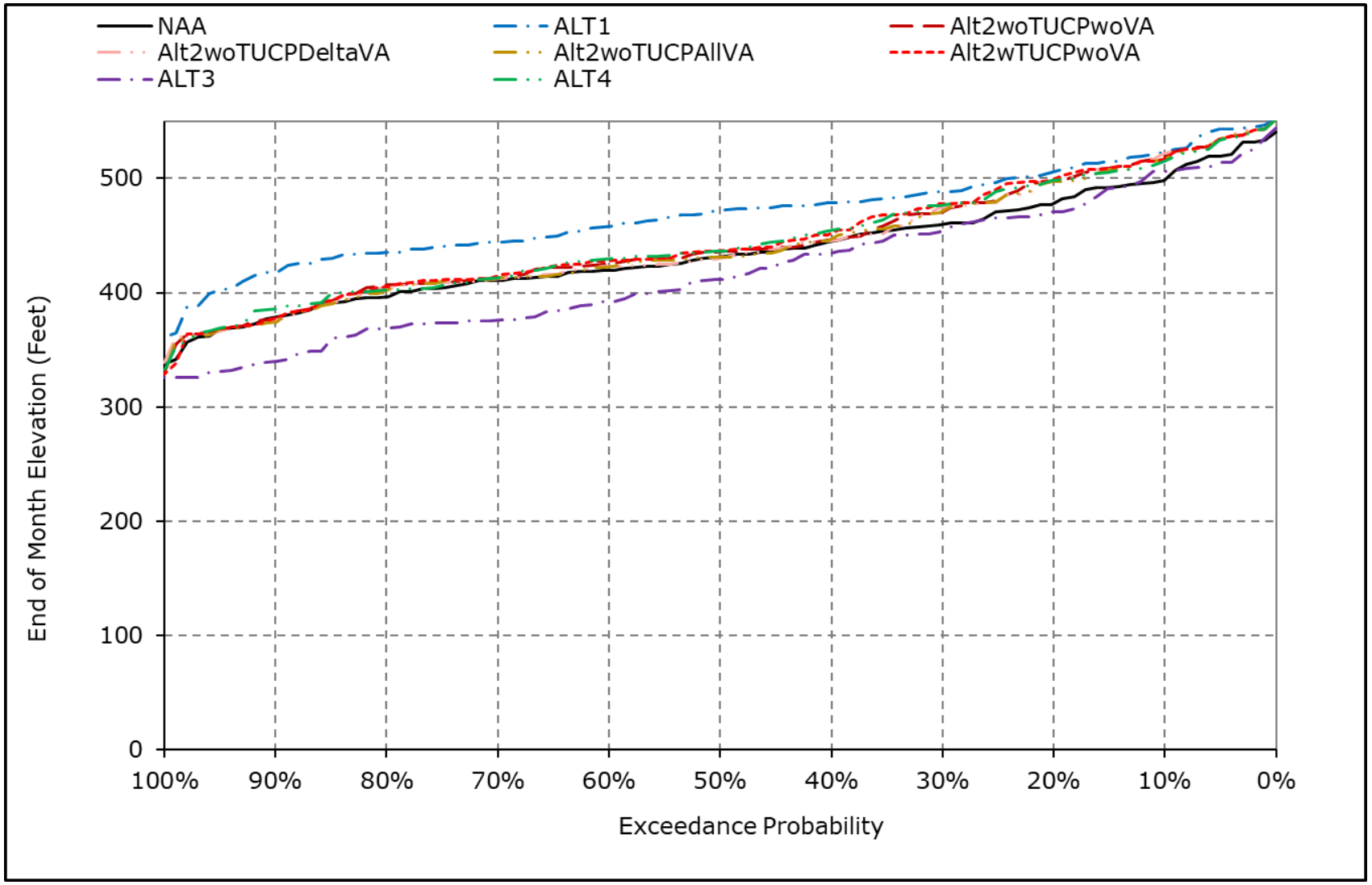
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-7. San Luis Reservoir (SWP and CVP), April



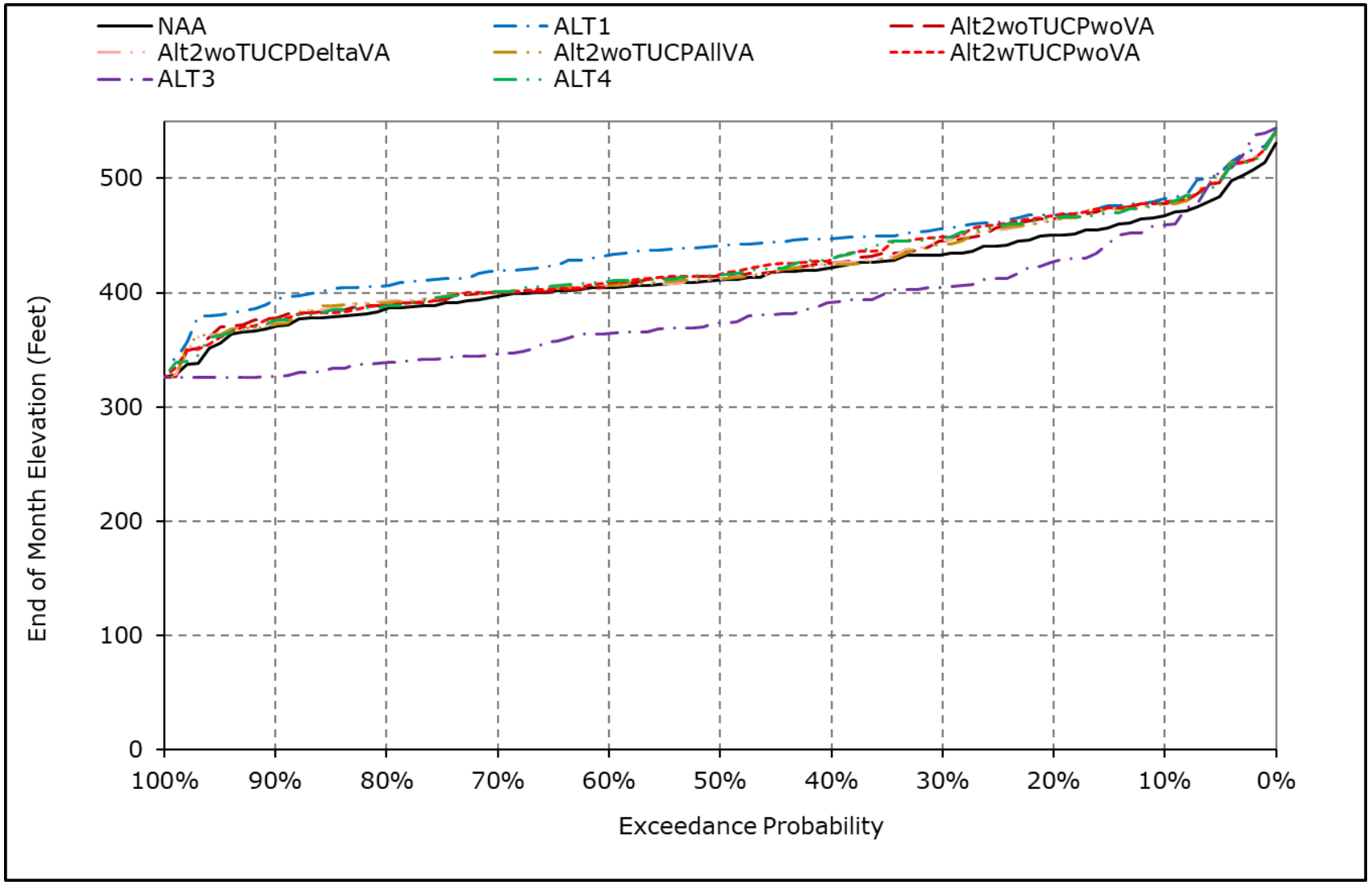
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-8. San Luis Reservoir (SWP and CVP), May



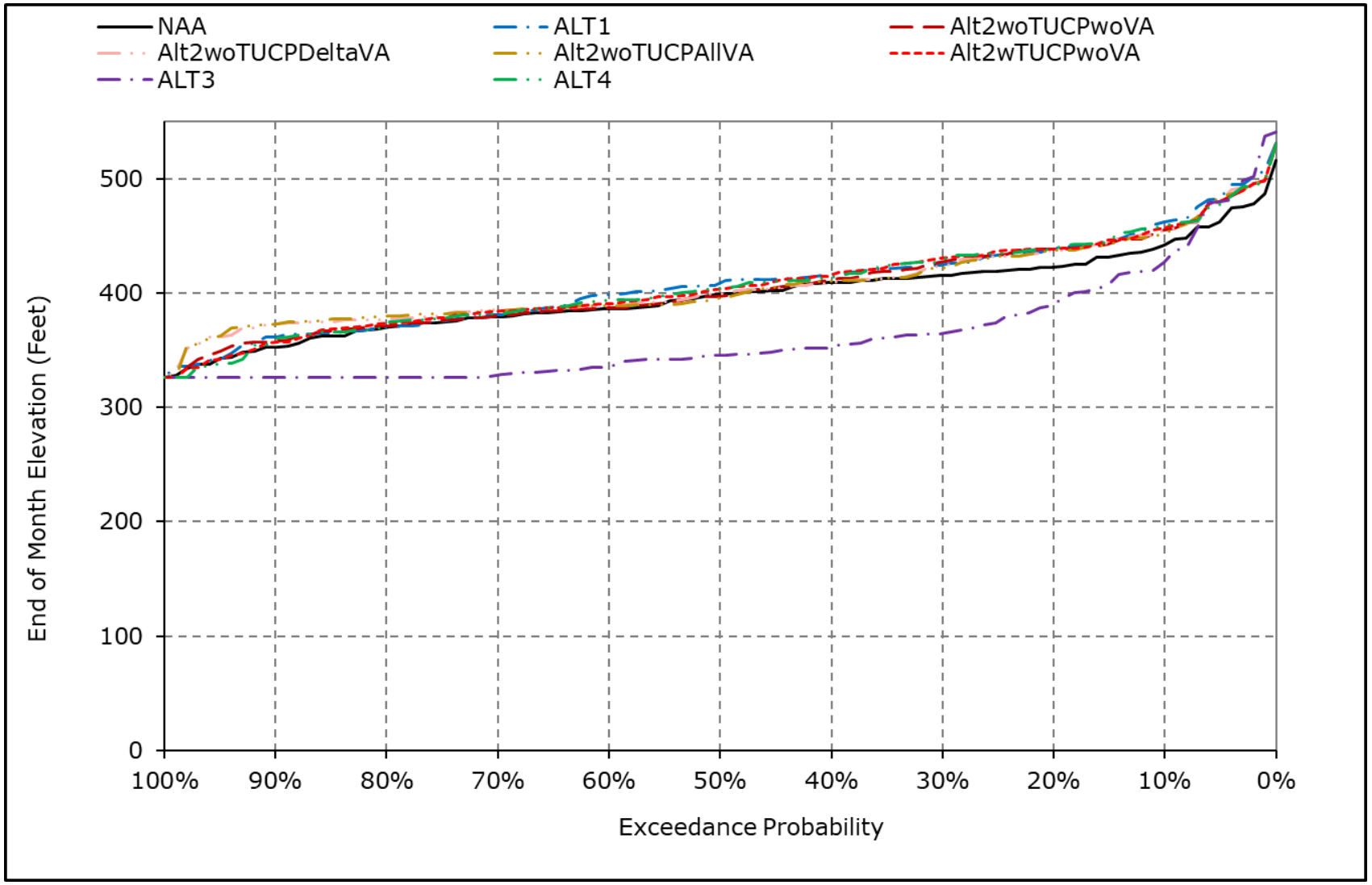
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-9. San Luis Reservoir (SWP and CVP), June



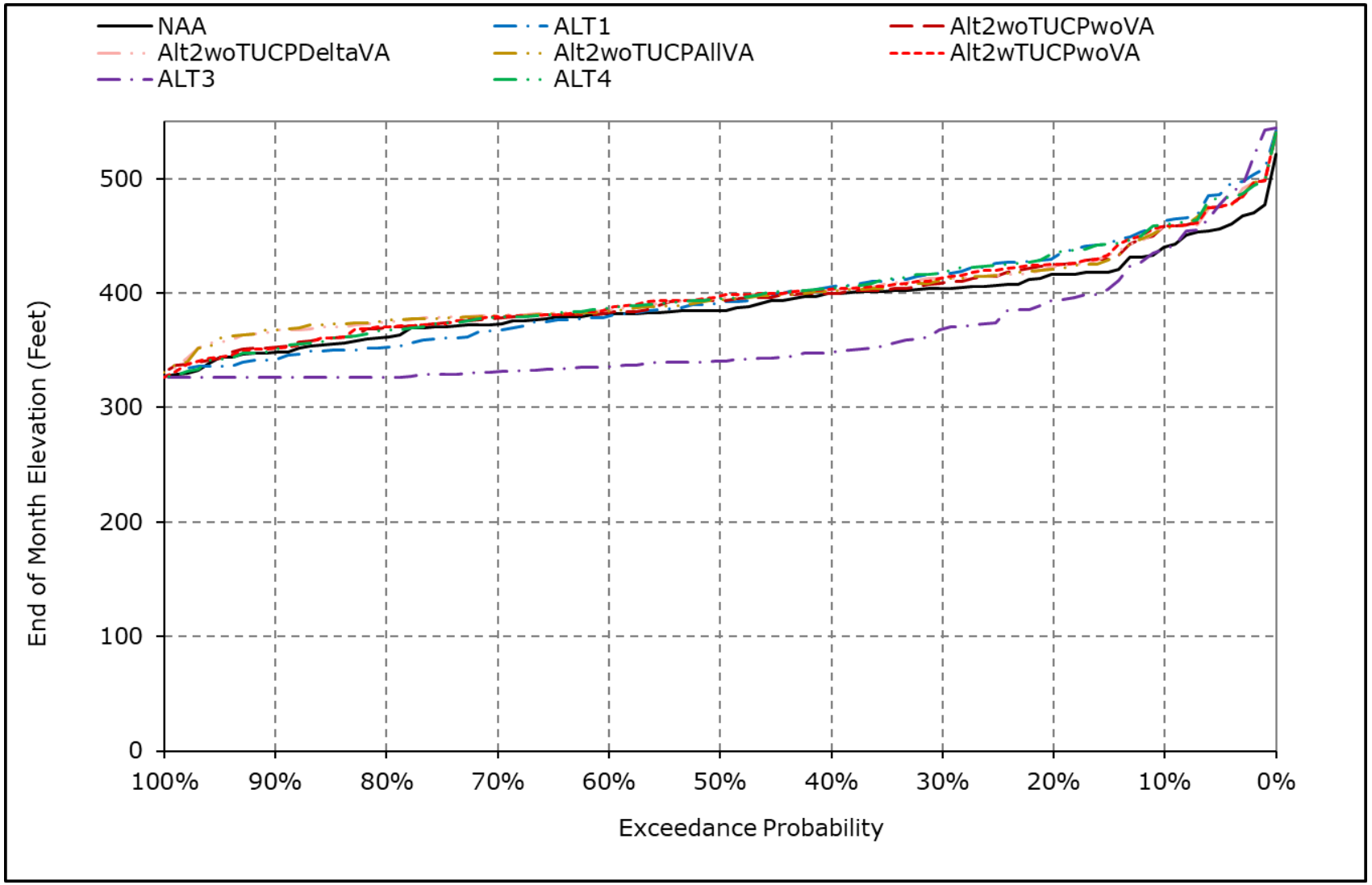
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-10. San Luis Reservoir (SWP and CVP), July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-11. San Luis Reservoir (SWP and CVP), August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-12. San Luis Reservoir (SWP and CVP), September

Table F.2.1-11-1a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-1b. San Luis Central Valley Project Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	403	562	732	1,035	1,102	1,102	1,102	1,081	935	509	321	364
20% Exceedance	302	458	618	833	1,000	1,102	1,084	1,019	747	393	176	220
30% Exceedance	224	381	579	748	873	1,084	1,045	936	666	350	100	156
40% Exceedance	188	335	507	676	826	953	908	832	619	325	90	127
50% Exceedance	153	287	434	614	757	883	851	725	521	285	90	119
60% Exceedance	120	223	388	568	696	802	750	660	486	259	90	105
70% Exceedance	90	155	319	477	623	709	668	572	409	223	90	90
80% Exceedance	73	109	241	386	513	629	571	478	351	203	90	90
90% Exceedance	44	70	149	283	342	448	411	333	242	159	90	90
Full Simulation Period Average[a]	206	306	453	619	739	840	811	734	559	319	152	174
Wet Water Years (28%)	353	506	654	785	938	1,044	1,038	974	796	470	263	283
Above Normal Water Years (14%)	212	334	508	682	843	947	905	789	576	291	121	141
Below Normal Water Years (18%)	153	242	405	673	764	869	834	738	536	291	108	139
Dry Water Years (24%)	112	198	328	472	573	696	650	566	404	230	90	114
Critical Water Years (16%)	140	154	282	430	522	570	546	511	389	247	127	140

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-1c. San Luis Central Valley Project Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	18	20	47	176	130	130	130	109	74	58	35	56
20% Exceedance	29	40	54	79	112	130	112	109	43	21	31	13
30% Exceedance	54	61	82	97	66	126	124	119	96	47	10	-14
40% Exceedance	40	52	57	82	126	128	71	102	121	85	0	-20
50% Exceedance	30	55	31	70	107	135	133	109	93	64	0	-12
60% Exceedance	33	12	24	84	126	143	152	134	113	67	0	15
70% Exceedance	34	-29	11	35	116	121	136	126	119	69	18	42
80% Exceedance	35	-43	-9	41	49	95	98	92	108	84	47	46
90% Exceedance	6	-20	35	42	3	-1	46	32	46	108	52	52
Full Simulation Period Average[a]	34	21	38	75	98	113	113	108	95	64	22	16
Wet Water Years (28%)	114	108	107	77	106	123	122	120	114	90	68	86
Above Normal Water Years (14%)	142	102	100	141	168	192	169	155	152	123	59	93
Below Normal Water Years (18%)	-6	-29	-10	66	79	113	123	122	117	76	12	-15
Dry Water Years (24%)	-31	-37	6	64	88	110	109	102	77	36	1	-40
Critical Water Years (16%)	-67	-73	-45	43	57	29	43	42	16	-5	-48	-55

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-2a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-2b. San Luis Central Valley Project Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	327	497	682	882	1,003	1,102	1,102	1,063	871	467	265	280
20% Exceedance	245	390	576	736	888	1,049	1,051	991	725	378	135	200
30% Exceedance	187	323	462	611	781	934	978	849	619	320	90	162
40% Exceedance	157	254	416	575	695	834	819	747	478	246	90	149
50% Exceedance	125	229	383	513	632	685	672	596	405	221	90	127
60% Exceedance	83	210	348	466	546	623	582	524	367	186	90	107
70% Exceedance	55	182	312	403	477	573	526	456	283	159	71	80
80% Exceedance	38	147	241	350	435	526	461	395	240	126	40	43
90% Exceedance	38	100	164	287	363	432	399	332	199	76	38	38
Full Simulation Period Average[a]	169	283	414	540	647	743	724	658	479	262	127	157
Wet Water Years (28%)	275	433	582	734	874	992	1,004	944	753	433	234	235
Above Normal Water Years (14%)	66	226	398	551	699	797	775	672	432	176	61	48
Below Normal Water Years (18%)	148	264	406	586	668	751	719	634	422	207	86	148
Dry Water Years (24%)	150	241	328	398	470	578	535	468	317	187	90	157
Critical Water Years (16%)	130	153	265	350	449	498	483	459	348	211	98	125

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-2c. San Luis Central Valley Project Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-59	-45	-4	23	31	130	130	91	10	17	-21	-28
20% Exceedance	-28	-27	11	-18	0	77	79	80	22	5	-9	-8
30% Exceedance	17	3	-35	-40	-27	-25	56	32	49	17	0	-8
40% Exceedance	9	-30	-33	-19	-4	10	-19	17	-20	6	0	1
50% Exceedance	2	-3	-20	-30	-18	-63	-46	-20	-23	0	0	-4
60% Exceedance	-4	-1	-17	-18	-25	-36	-15	-2	-5	-5	0	17
70% Exceedance	-1	-3	4	-39	-30	-14	-6	10	-6	5	-1	32
80% Exceedance	0	-5	-9	5	-28	-9	-12	8	-3	7	-3	-1
90% Exceedance	0	10	49	46	25	-16	34	31	3	25	0	0
Full Simulation Period Average[a]	-3	-2	-1	-4	6	16	27	33	15	7	-3	-1
Wet Water Years (28%)	36	35	35	26	42	71	88	90	71	53	40	38
Above Normal Water Years (14%)	-4	-6	-10	10	24	43	39	38	9	8	0	-1
Below Normal Water Years (18%)	-11	-8	-9	-21	-16	-5	7	18	2	-7	-11	-6
Dry Water Years (24%)	7	6	6	-11	-15	-9	-7	4	-10	-6	1	3
Critical Water Years (16%)	-78	-75	-62	-36	-16	-43	-20	-10	-26	-41	-77	-70

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-3a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-3b. San Luis Central Valley Project Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	320	488	682	870	1,008	1,102	1,102	1,071	884	462	265	279
20% Exceedance	253	365	562	729	891	1,029	1,060	993	731	379	129	200
30% Exceedance	181	327	458	619	800	902	970	840	609	315	90	163
40% Exceedance	152	261	416	579	697	797	794	760	485	244	90	145
50% Exceedance	126	234	384	511	631	685	674	603	411	221	90	126
60% Exceedance	88	210	361	465	556	601	583	534	368	184	90	99
70% Exceedance	56	182	303	416	483	545	519	450	294	153	73	79
80% Exceedance	38	147	260	352	431	489	442	366	232	121	44	43
90% Exceedance	38	103	165	266	341	395	369	291	190	76	38	38
Full Simulation Period Average[a]	170	283	416	542	649	726	718	659	481	263	129	156
Wet Water Years (28%)	277	435	577	740	877	995	1,004	947	756	434	237	237
Above Normal Water Years (14%)	64	224	396	546	696	761	764	679	440	176	62	44
Below Normal Water Years (18%)	157	274	418	598	680	724	715	637	427	214	93	155
Dry Water Years (24%)	147	234	327	390	464	542	516	458	313	185	89	152
Critical Water Years (16%)	127	147	276	357	451	504	488	463	351	212	97	119

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-3c. San Luis Central Valley Project Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-65	-54	-4	11	36	130	130	99	24	12	-22	-29
20% Exceedance	-20	-52	-3	-25	3	57	88	82	27	7	-16	-7
30% Exceedance	11	7	-39	-32	-8	-56	49	23	39	12	0	-6
40% Exceedance	3	-22	-33	-14	-3	-28	-44	31	-13	4	0	-3
50% Exceedance	3	1	-19	-33	-19	-63	-43	-13	-17	0	0	-5
60% Exceedance	1	-1	-4	-19	-14	-57	-15	9	-5	-7	0	9
70% Exceedance	1	-3	-5	-26	-23	-43	-13	4	5	-1	1	31
80% Exceedance	0	-5	10	7	-33	-45	-30	-21	-11	2	1	0
90% Exceedance	0	13	50	25	2	-54	4	-10	-6	25	0	0
Full Simulation Period Average[a]	-2	-2	1	-1	7	-1	21	33	17	8	-1	-1
Wet Water Years (28%)	38	38	30	32	45	74	88	93	74	54	43	40
Above Normal Water Years (14%)	-6	-8	-12	5	22	7	28	45	17	8	0	-4
Below Normal Water Years (18%)	-2	2	3	-9	-5	-33	3	20	8	0	-4	1
Dry Water Years (24%)	4	-1	5	-18	-21	-44	-26	-7	-14	-9	0	-1
Critical Water Years (16%)	-81	-80	-51	-29	-15	-38	-15	-6	-23	-39	-78	-76

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-4a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-4b. San Luis Central Valley Project Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	331	516	707	916	1,033	1,102	1,102	1,067	889	490	267	284
20% Exceedance	256	380	570	723	896	1,029	1,046	1,010	714	377	144	207
30% Exceedance	185	323	477	618	807	912	975	839	619	318	91	169
40% Exceedance	153	259	419	577	696	790	816	741	486	249	90	156
50% Exceedance	134	232	382	507	624	686	673	603	404	221	90	126
60% Exceedance	90	206	337	461	551	597	592	525	367	182	90	101
70% Exceedance	51	180	296	413	491	535	520	451	299	156	74	77
80% Exceedance	38	155	258	355	437	485	440	378	234	126	59	43
90% Exceedance	38	115	166	265	346	411	378	321	193	84	38	38
Full Simulation Period Average[a]	172	286	418	544	651	727	720	660	482	264	130	159
Wet Water Years (28%)	278	437	578	737	874	991	1,000	945	754	433	236	236
Above Normal Water Years (14%)	66	226	398	554	700	765	769	683	443	176	62	46
Below Normal Water Years (18%)	154	272	414	592	673	720	713	636	424	216	95	159
Dry Water Years (24%)	149	240	335	399	473	551	525	462	316	188	94	157
Critical Water Years (16%)	136	155	280	361	460	505	490	467	353	214	99	123

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-4c. San Luis Central Valley Project Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-55	-26	21	57	61	130	130	95	28	40	-19	-24
20% Exceedance	-17	-37	5	-30	8	57	74	100	11	5	-1	0
30% Exceedance	15	3	-20	-33	0	-46	54	22	49	15	1	0
40% Exceedance	5	-25	-30	-17	-4	-35	-21	11	-12	9	0	8
50% Exceedance	11	0	-21	-36	-26	-62	-45	-12	-24	0	0	-5
60% Exceedance	3	-5	-27	-23	-20	-61	-6	-1	-6	-10	0	11
70% Exceedance	-5	-5	-12	-29	-16	-53	-12	5	10	2	2	30
80% Exceedance	0	3	8	11	-26	-49	-33	-9	-9	6	15	0
90% Exceedance	0	25	51	24	7	-37	12	20	-4	33	0	0
Full Simulation Period Average[a]	0	0	3	1	9	0	22	35	18	9	0	1
Wet Water Years (28%)	39	39	32	28	41	70	84	91	73	53	42	40
Above Normal Water Years (14%)	-4	-6	-10	14	26	11	33	49	20	8	0	-2
Below Normal Water Years (18%)	-5	1	-1	-15	-11	-36	1	19	5	2	-2	5
Dry Water Years (24%)	6	5	12	-10	-12	-35	-16	-2	-11	-5	5	3
Critical Water Years (16%)	-72	-72	-47	-26	-6	-37	-13	-2	-20	-38	-76	-72

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-5a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-5b. San Luis Central Valley Project Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	449	608	775	973	1,102	1,102	1,102	1,070	930	528	348	367
20% Exceedance	283	409	594	755	906	1,080	1,057	1,022	791	421	170	208
30% Exceedance	200	351	506	664	812	959	1,012	914	654	340	115	177
40% Exceedance	173	273	436	582	732	854	859	794	500	272	90	151
50% Exceedance	123	236	394	537	644	759	721	635	418	233	90	134
60% Exceedance	80	214	369	471	551	640	590	527	386	194	81	105
70% Exceedance	58	192	334	423	487	578	533	471	286	159	66	80
80% Exceedance	38	163	243	350	447	537	466	399	247	111	38	43
90% Exceedance	38	104	164	281	381	449	399	332	189	52	38	38
Full Simulation Period Average[a]	190	307	439	562	668	765	742	675	496	279	147	175
Wet Water Years (28%)	275	433	582	732	871	993	1,003	944	752	433	234	234
Above Normal Water Years (14%)	65	224	396	544	693	792	770	667	427	170	61	48
Below Normal Water Years (18%)	153	268	412	633	714	787	747	661	441	218	92	152
Dry Water Years (24%)	149	240	329	409	481	589	545	477	323	190	90	156
Critical Water Years (16%)	270	309	420	430	518	581	549	523	428	306	219	239

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-5c. San Luis Central Valley Project Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	63	66	89	114	130	130	130	98	69	78	61	59
20% Exceedance	10	-8	30	1	18	108	85	112	87	49	25	1
30% Exceedance	31	31	9	13	5	1	91	97	84	37	25	7
40% Exceedance	25	-10	-13	-12	33	29	22	64	2	33	0	4
50% Exceedance	1	4	-9	-7	-6	11	3	19	-10	12	0	3
60% Exceedance	-7	3	4	-13	-20	-19	-7	1	13	2	-9	15
70% Exceedance	2	7	26	-19	-19	-9	1	25	-3	5	-6	32
80% Exceedance	0	11	-7	5	-16	3	-6	13	4	-8	-5	-1
90% Exceedance	0	15	49	40	42	1	34	31	-8	1	0	0
Full Simulation Period Average[a]	19	21	23	19	26	38	44	49	32	24	17	18
Wet Water Years (28%)	35	35	35	23	39	72	88	90	71	53	39	38
Above Normal Water Years (14%)	-4	-8	-11	3	19	38	34	33	4	2	-1	-1
Below Normal Water Years (18%)	-6	-3	-3	26	29	31	36	45	21	4	-5	-1
Dry Water Years (24%)	6	5	7	1	-3	2	3	12	-4	-3	1	3
Critical Water Years (16%)	62	82	93	43	53	40	46	54	55	54	44	44

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-6a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-6b. San Luis Central Valley Project Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	670	840	972	972	972	972	886	784	803	629	571	656
20% Exceedance	355	478	666	815	962	954	857	694	653	394	239	280
30% Exceedance	250	379	496	636	787	874	783	643	516	242	128	173
40% Exceedance	179	291	384	480	667	745	709	557	363	189	79	122
50% Exceedance	118	234	272	418	558	641	577	465	295	119	54	100
60% Exceedance	71	169	234	334	472	571	477	356	226	70	38	72
70% Exceedance	38	97	164	269	411	470	395	302	155	38	38	53
80% Exceedance	38	42	88	227	305	431	338	245	90	38	38	38
90% Exceedance	38	38	38	130	215	311	249	163	45	38	38	38
Full Simulation Period Average[a]	226	308	377	481	586	652	580	469	362	225	164	196
Wet Water Years (28%)	386	482	573	700	807	865	814	680	638	438	323	346
Above Normal Water Years (14%)	85	141	226	423	574	663	592	458	329	149	73	58
Below Normal Water Years (18%)	265	399	459	519	607	673	600	499	377	232	191	245
Dry Water Years (24%)	162	249	322	316	416	501	408	308	153	87	67	127
Critical Water Years (16%)	125	132	152	351	442	471	396	316	206	117	80	102

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-6c. San Luis Central Valley Project Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	285	298	286	113	0	0	-86	-188	-58	179	285	348
20% Exceedance	82	61	101	61	74	-18	-115	-217	-51	22	95	73
30% Exceedance	80	59	-1	-15	-21	-84	-138	-174	-54	-61	38	3
40% Exceedance	31	7	-65	-113	-33	-79	-128	-173	-135	-51	-11	-25
50% Exceedance	-5	1	-131	-126	-92	-107	-141	-151	-132	-102	-36	-31
60% Exceedance	-15	-42	-131	-150	-99	-88	-120	-170	-146	-122	-52	-18
70% Exceedance	-18	-88	-144	-173	-96	-117	-138	-144	-135	-116	-34	5
80% Exceedance	0	-110	-162	-118	-159	-103	-135	-141	-153	-81	-5	-6
90% Exceedance	0	-52	-77	-111	-124	-137	-117	-138	-152	-13	0	0
Full Simulation Period Average[a]	55	22	-38	-62	-55	-75	-118	-157	-102	-30	34	38
Wet Water Years (28%)	147	85	27	-8	-25	-56	-102	-174	-44	58	129	149
Above Normal Water Years (14%)	15	-91	-182	-118	-100	-91	-144	-176	-94	-19	11	10
Below Normal Water Years (18%)	106	128	44	-88	-78	-83	-112	-118	-43	17	94	92
Dry Water Years (24%)	20	14	0	-92	-68	-85	-134	-157	-174	-106	-22	-26
Critical Water Years (16%)	-83	-95	-175	-35	-24	-71	-107	-153	-167	-135	-95	-93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-7a. San Luis Central Valley Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	385	542	686	859	972	972	972	972	861	450	286	308
20% Exceedance	273	417	564	754	888	972	972	910	704	372	145	207
30% Exceedance	170	320	497	651	808	958	921	817	570	303	90	170
40% Exceedance	148	283	449	594	699	824	837	729	498	240	90	148
50% Exceedance	123	232	403	544	650	748	718	616	428	221	90	131
60% Exceedance	87	211	365	484	571	659	597	526	373	192	90	90
70% Exceedance	56	185	308	442	506	587	532	446	289	154	72	48
80% Exceedance	38	152	250	345	464	534	473	386	243	119	43	44
90% Exceedance	38	90	115	241	339	448	365	301	196	51	38	38
Full Simulation Period Average[a]	171	286	415	543	641	727	698	625	464	255	130	158
Wet Water Years (28%)	239	398	547	708	832	921	916	854	682	380	194	197
Above Normal Water Years (14%)	70	232	408	541	675	754	736	634	423	168	62	49
Below Normal Water Years (18%)	159	271	415	607	685	756	711	617	419	214	97	153
Dry Water Years (24%)	143	235	322	408	484	586	541	465	327	193	89	153
Critical Water Years (16%)	208	227	327	387	466	542	503	469	373	252	175	195

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-7b. San Luis Central Valley Project Storage, Alternative 4, End-of-Month Storage (TAF)

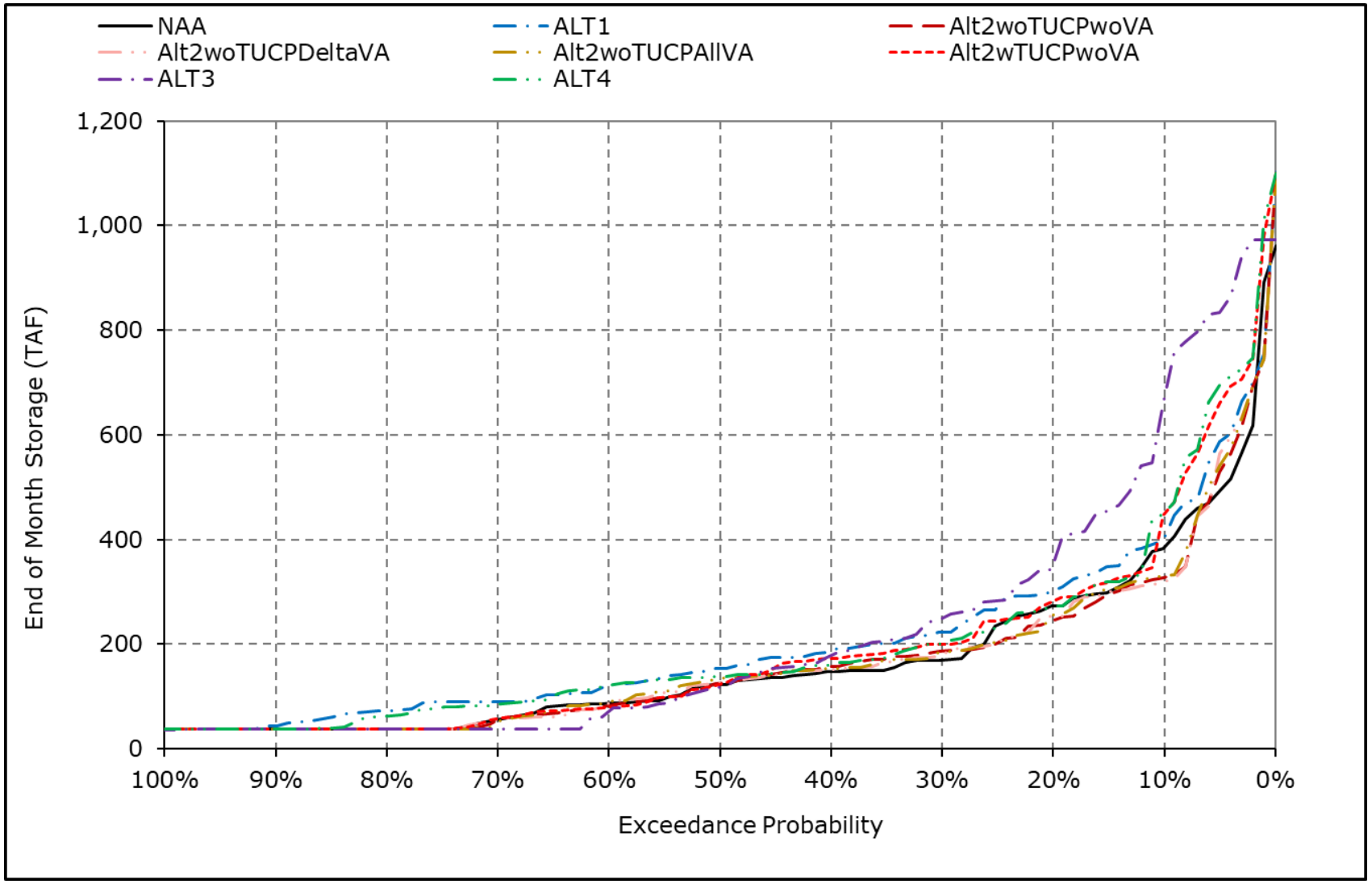
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	450	621	753	965	1,041	1,102	1,102	1,064	905	525	353	373
20% Exceedance	273	420	618	736	881	1,035	1,035	992	773	397	180	212
30% Exceedance	203	360	514	657	802	945	991	901	611	322	116	179
40% Exceedance	162	297	449	572	721	862	879	765	491	259	90	155
50% Exceedance	138	268	399	535	650	776	736	651	425	214	90	139
60% Exceedance	121	217	351	467	585	647	624	525	358	192	90	124
70% Exceedance	85	187	297	409	518	593	540	464	303	162	81	90
80% Exceedance	62	152	227	365	476	541	496	419	251	142	38	46
90% Exceedance	38	108	147	252	376	481	427	346	206	56	38	42
Full Simulation Period Average[a]	202	317	430	557	671	768	744	672	492	275	149	181
Wet Water Years (28%)	316	475	599	721	856	974	987	927	738	424	245	256
Above Normal Water Years (14%)	104	264	402	561	712	814	784	672	424	170	74	75
Below Normal Water Years (18%)	135	240	363	637	725	795	753	658	432	214	87	138
Dry Water Years (24%)	151	239	320	398	492	597	553	483	335	199	94	162
Critical Water Years (16%)	249	293	400	417	521	593	560	527	425	291	200	223

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-11-7c. San Luis Central Valley Project Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

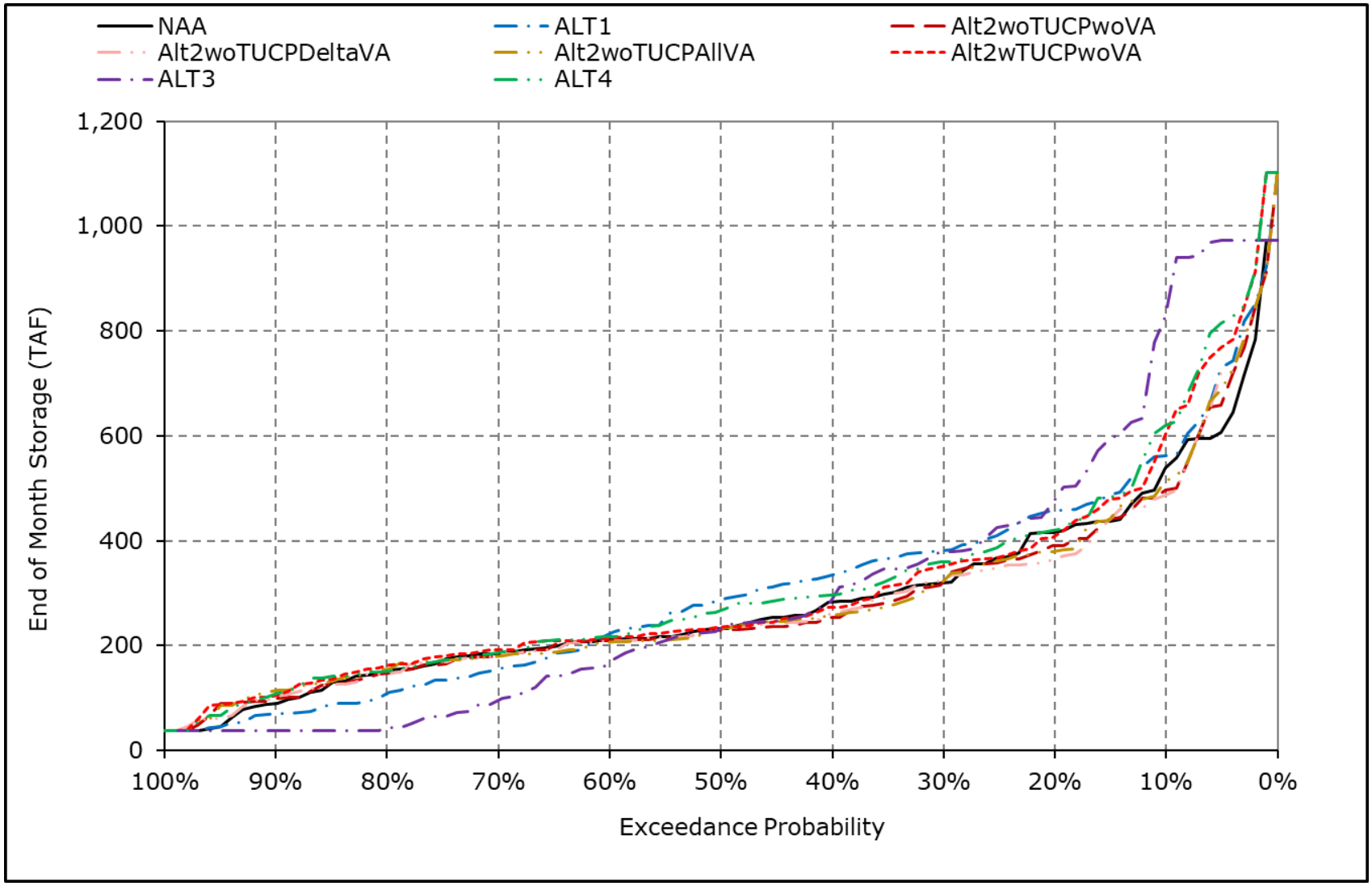
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	65	79	67	106	69	130	130	92	45	75	66	65
20% Exceedance	0	3	53	-18	-7	63	63	82	70	25	36	5
30% Exceedance	33	40	17	6	-5	-14	69	84	41	19	26	10
40% Exceedance	14	14	0	-21	22	38	41	35	-7	20	0	7
50% Exceedance	15	35	-4	-8	0	29	19	35	-3	-7	0	8
60% Exceedance	34	6	-14	-17	14	-12	26	0	-14	1	0	34
70% Exceedance	29	2	-11	-33	12	6	8	18	14	8	8	42
80% Exceedance	24	0	-23	20	13	7	24	33	9	23	-5	2
90% Exceedance	0	18	32	11	37	32	61	45	10	5	0	4
Full Simulation Period Average[a]	31	32	15	14	30	41	46	47	28	20	19	24
Wet Water Years (28%)	77	78	53	12	23	53	72	73	56	44	50	59
Above Normal Water Years (14%)	35	32	-6	20	37	59	48	38	1	2	12	26
Below Normal Water Years (18%)	-24	-32	-51	30	40	38	42	42	13	0	-10	-15
Dry Water Years (24%)	8	4	-2	-10	8	11	12	19	8	5	5	8
Critical Water Years (16%)	41	66	72	31	56	51	58	58	52	39	25	28

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



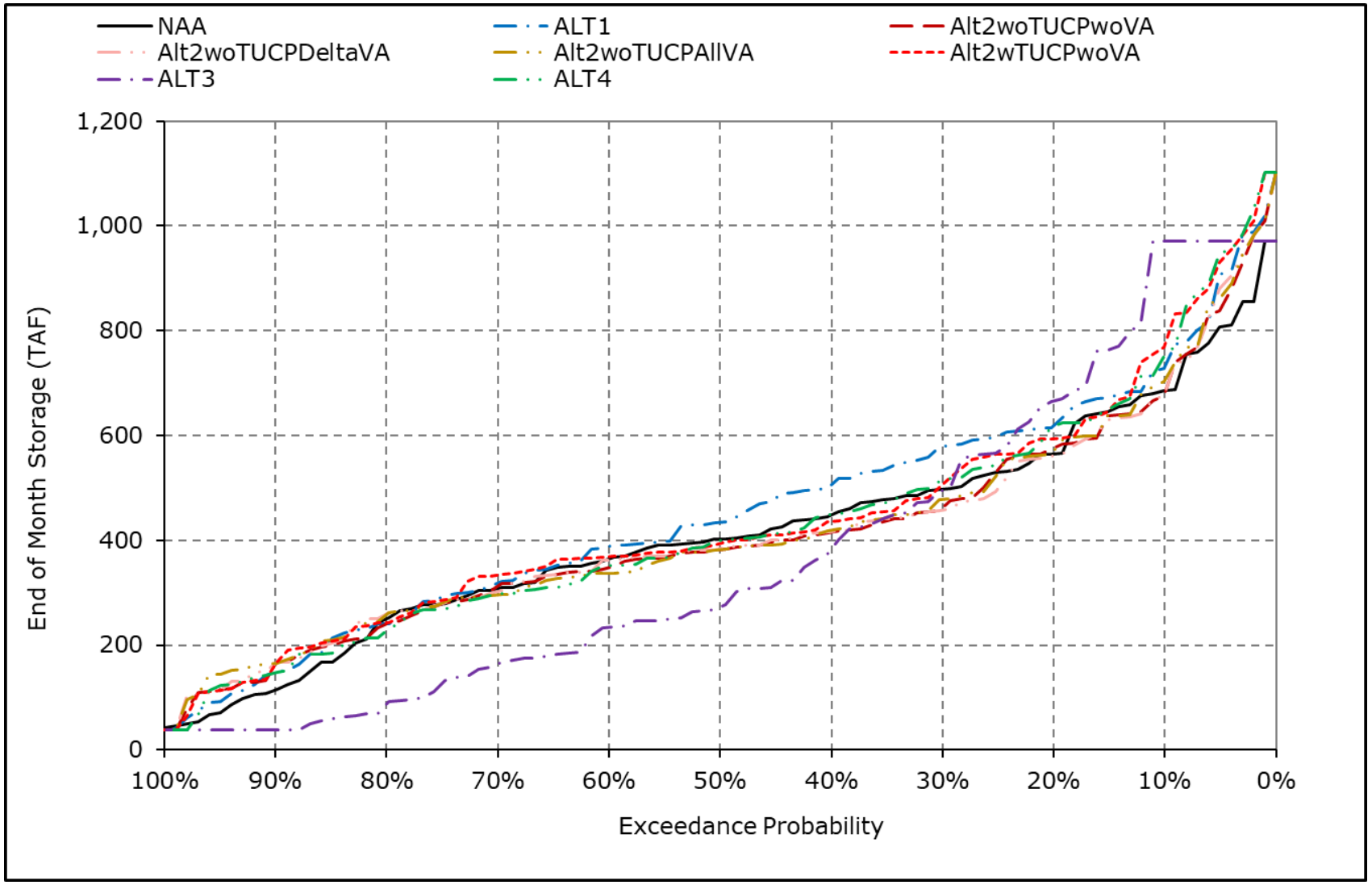
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-1. San Luis CVP Storage, October



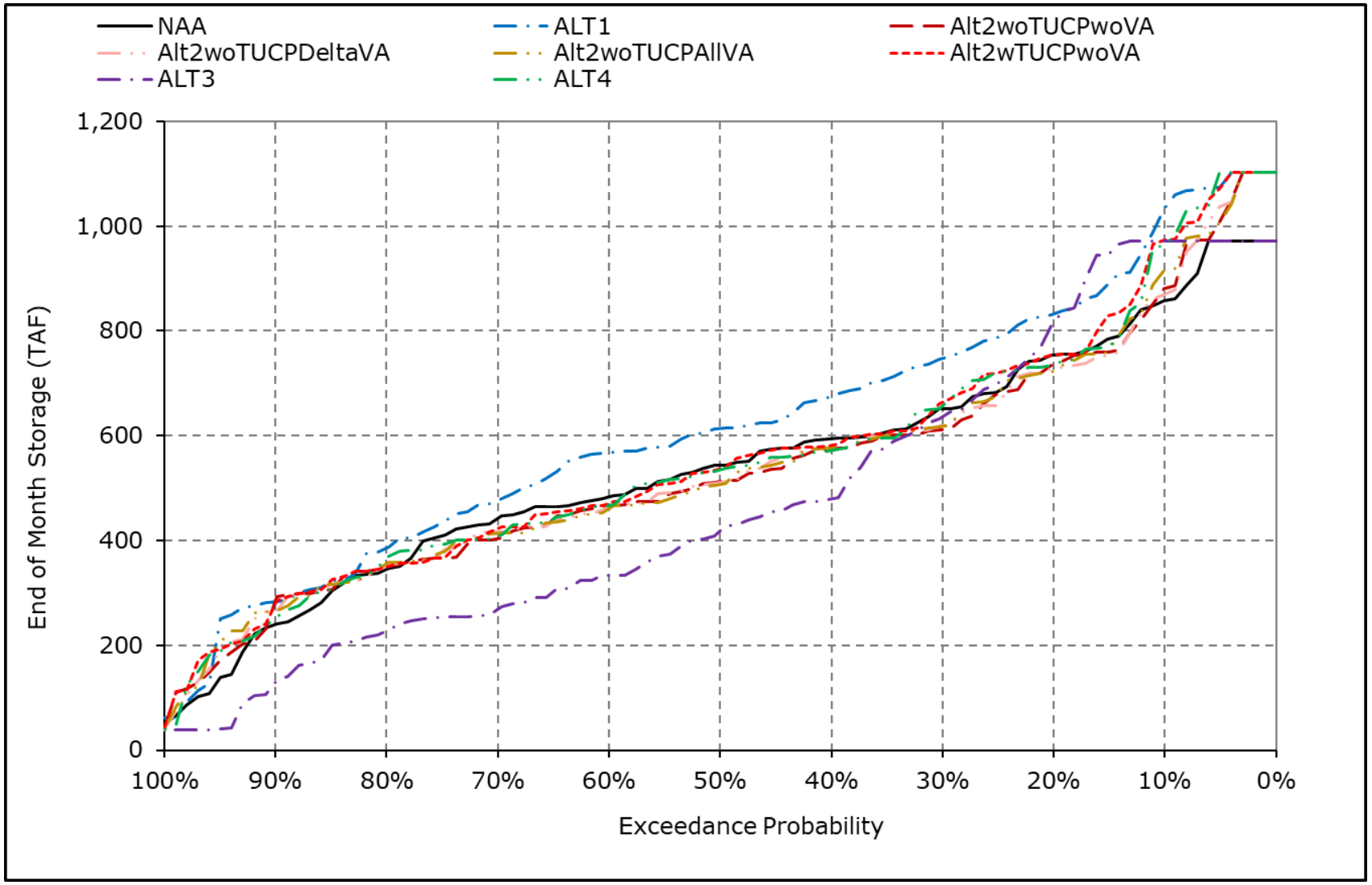
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-2. San Luis CVP Storage, November



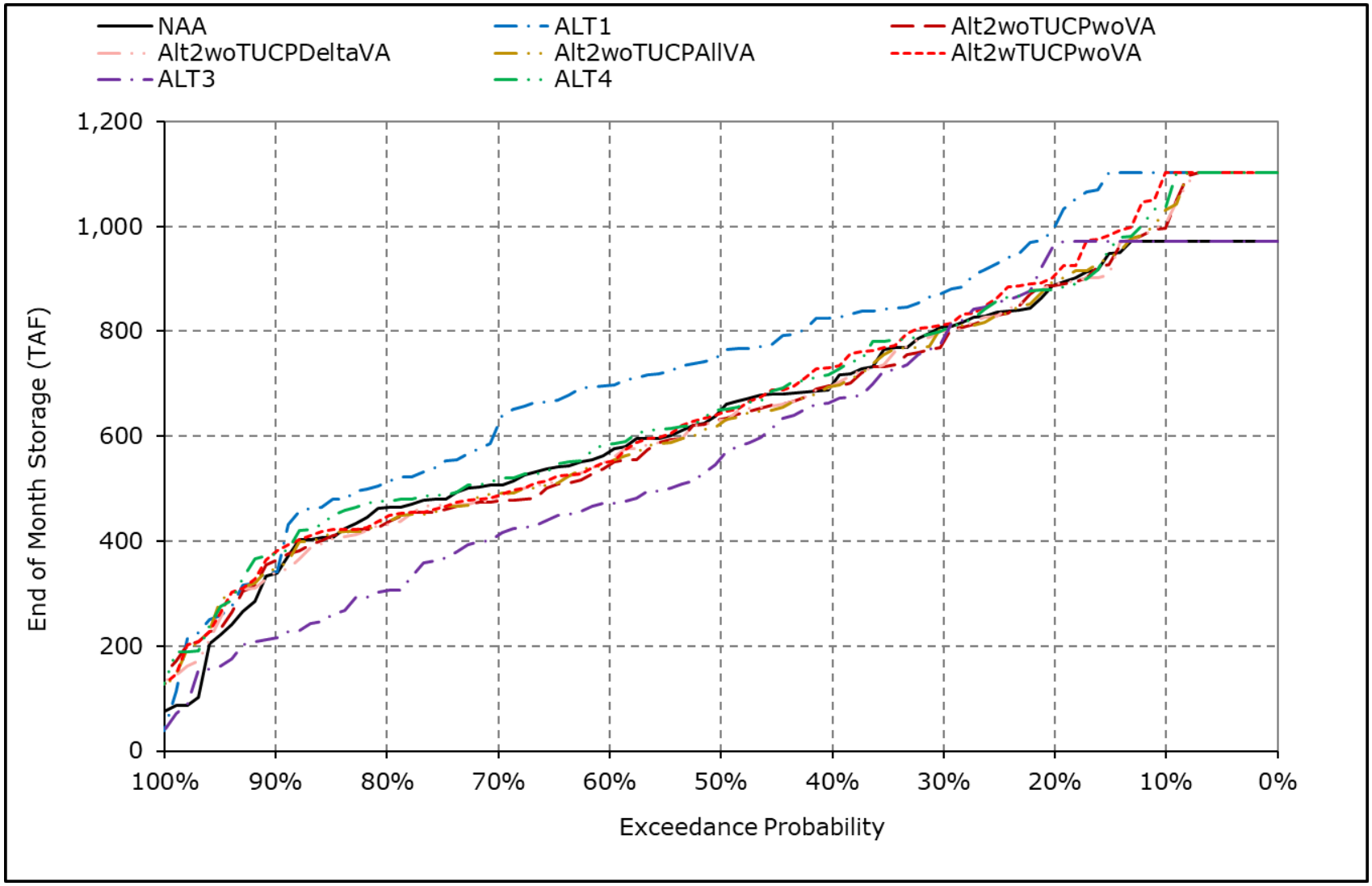
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-3. San Luis CVP Storage, December



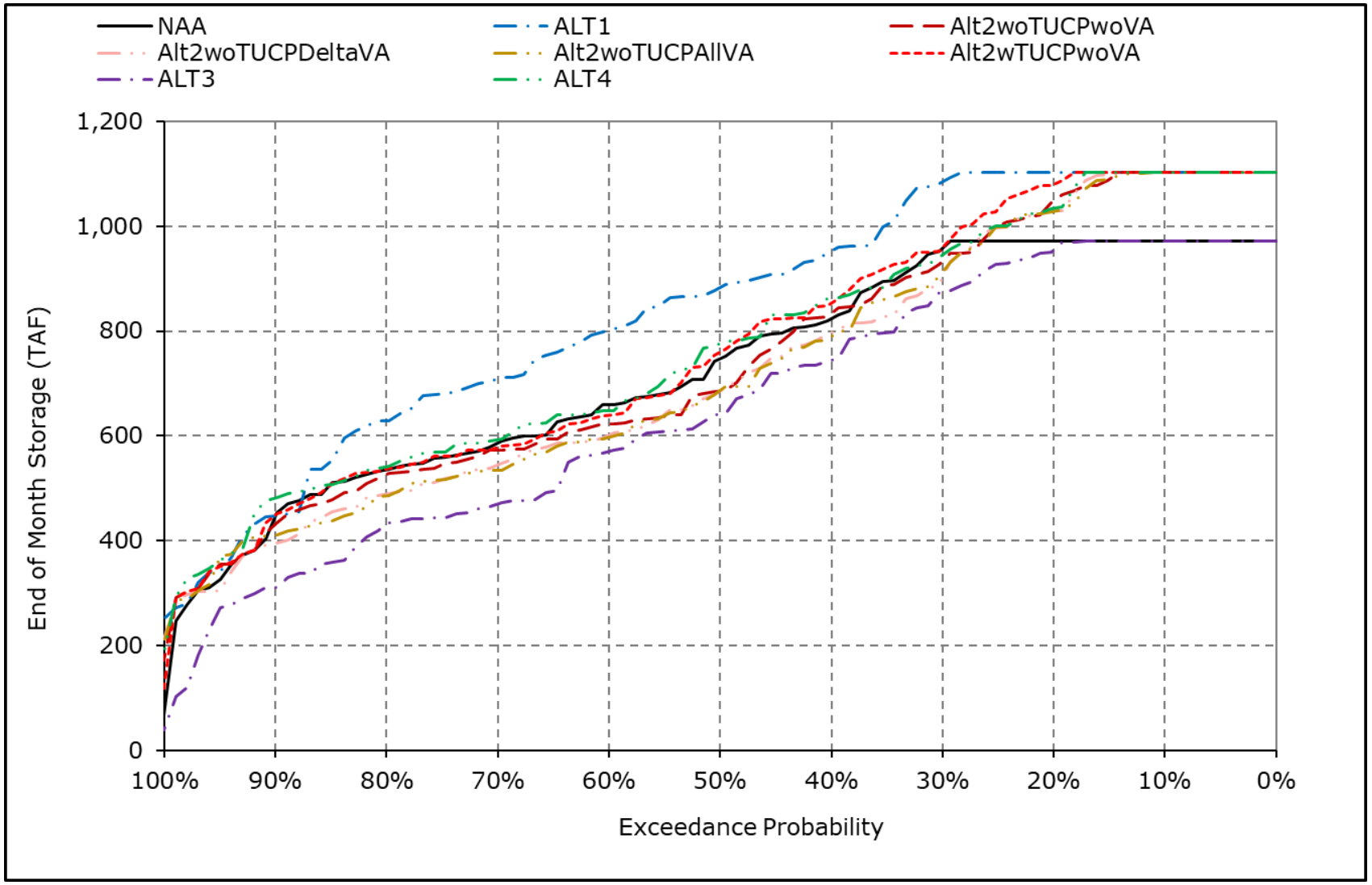
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-4. San Luis CVP Storage, January



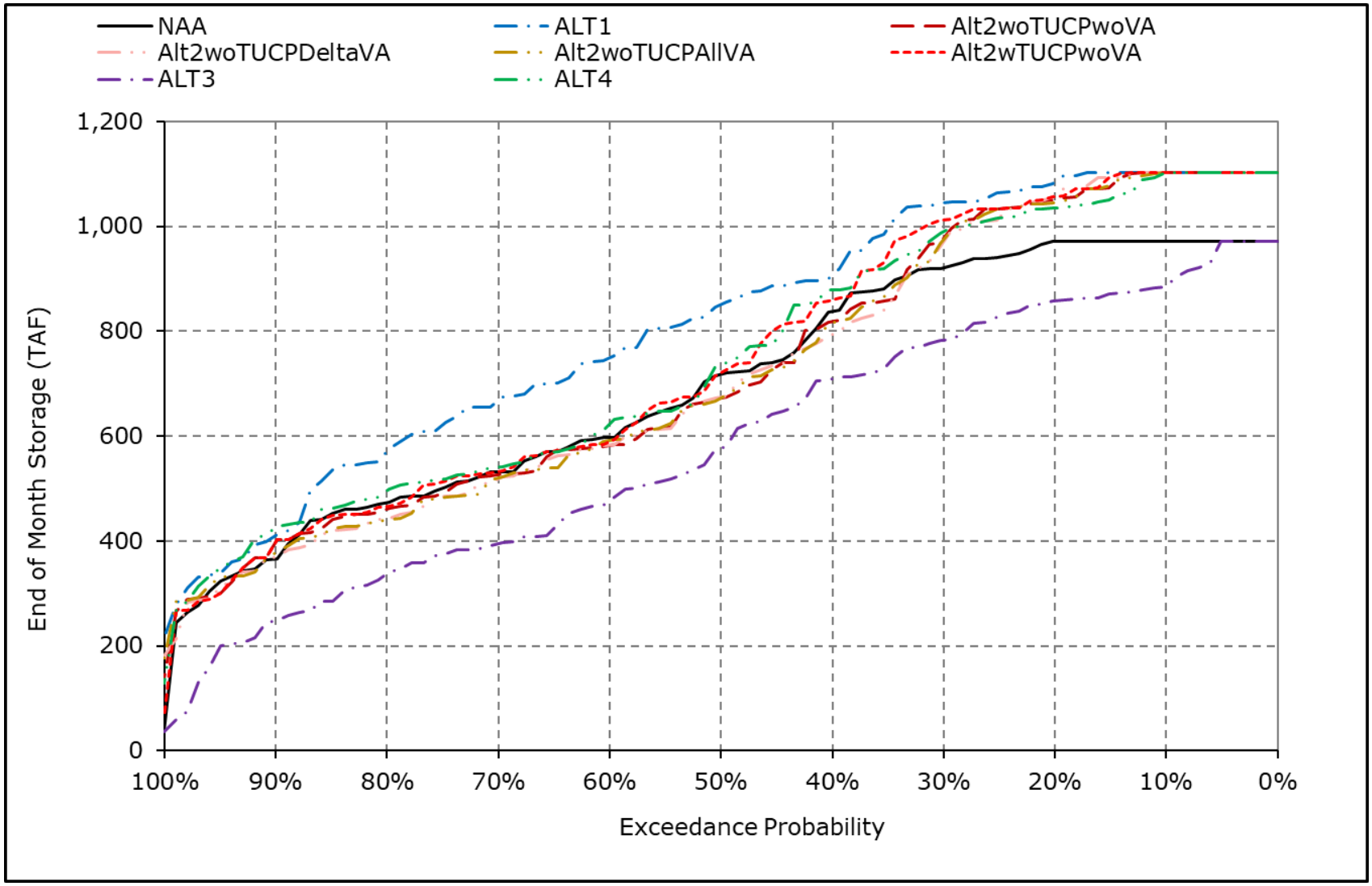
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-5. San Luis CVP Storage, February



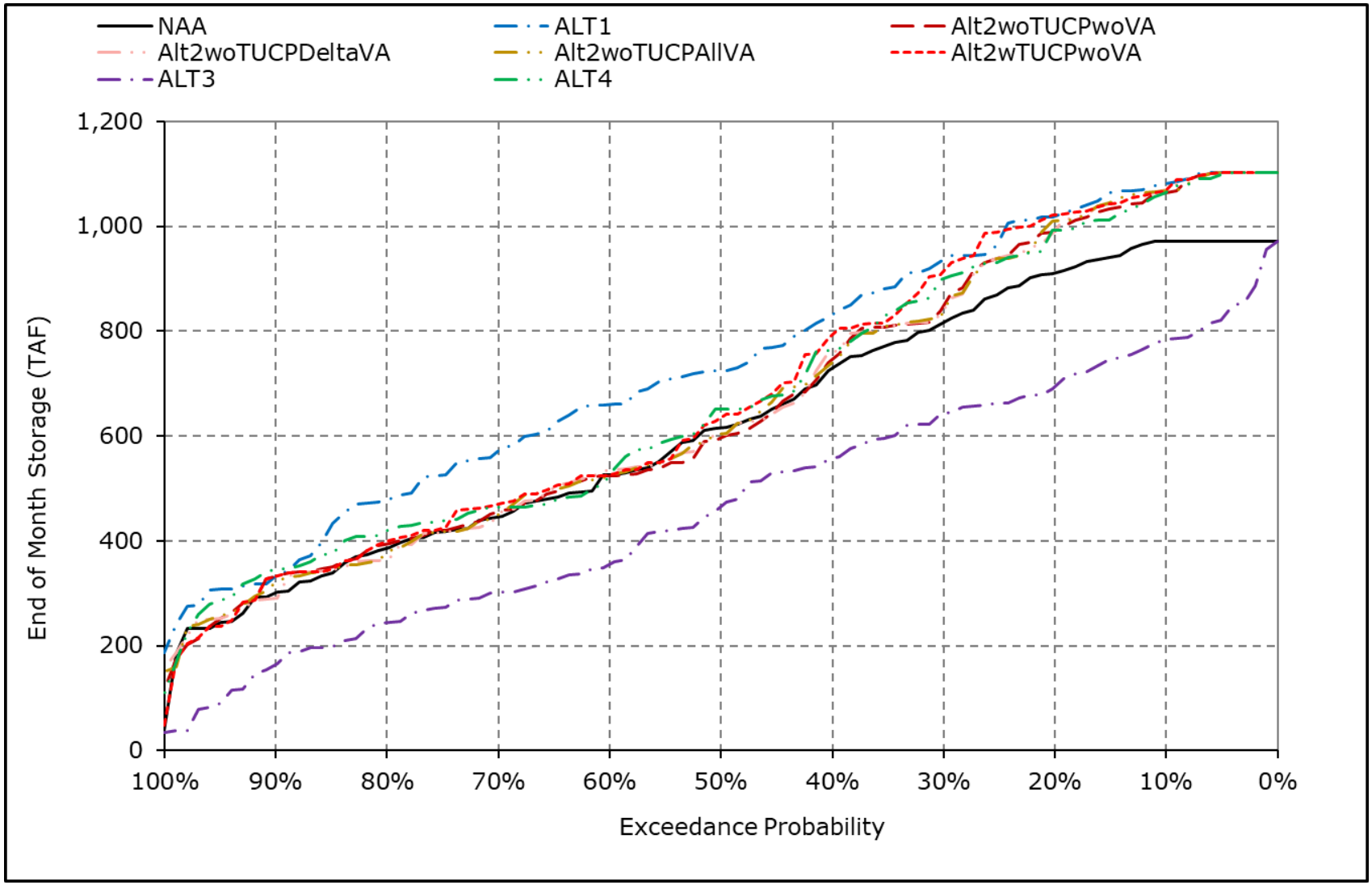
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-6. San Luis CVP Storage, March



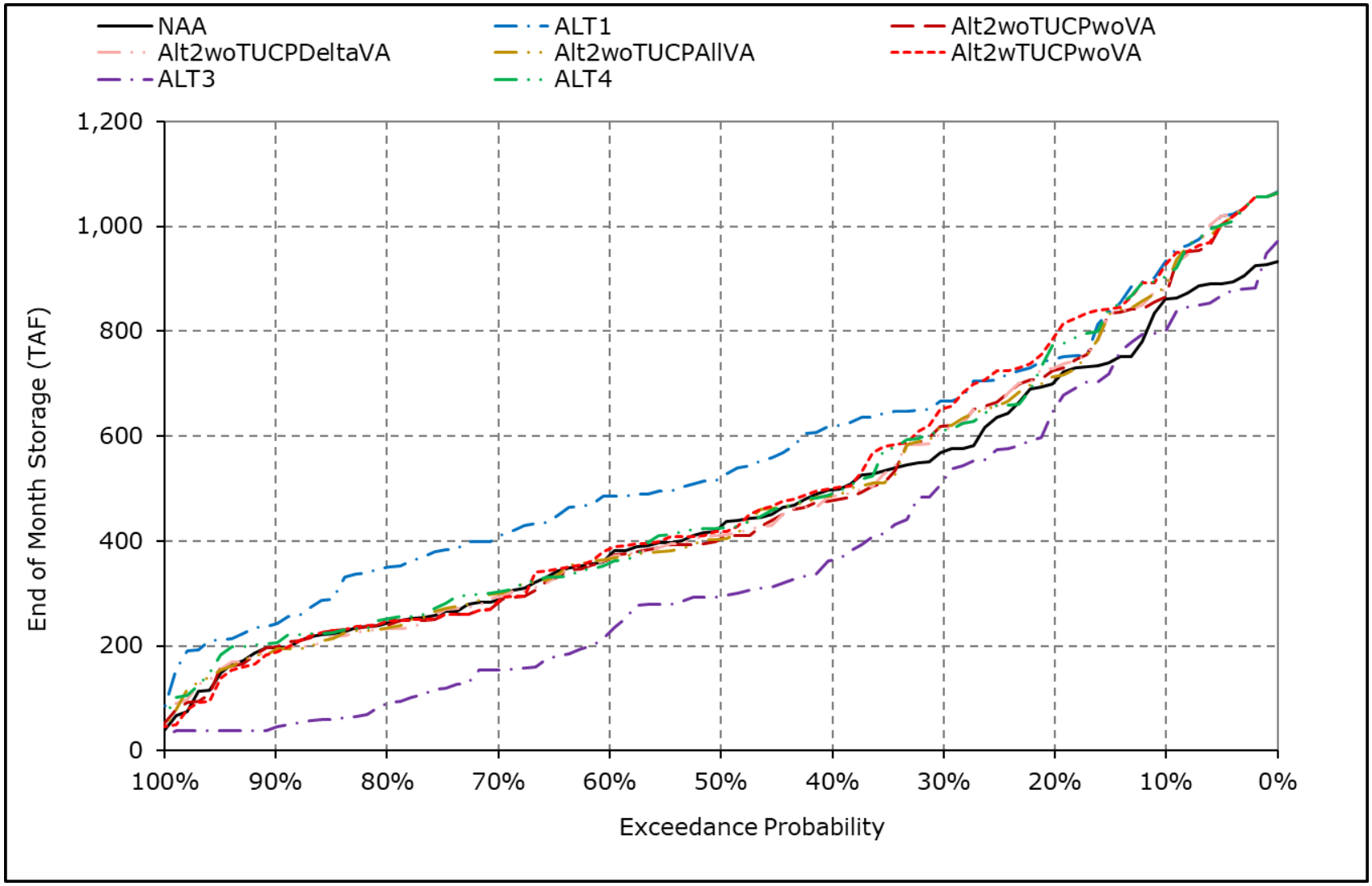
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-7. San Luis CVP Storage, April



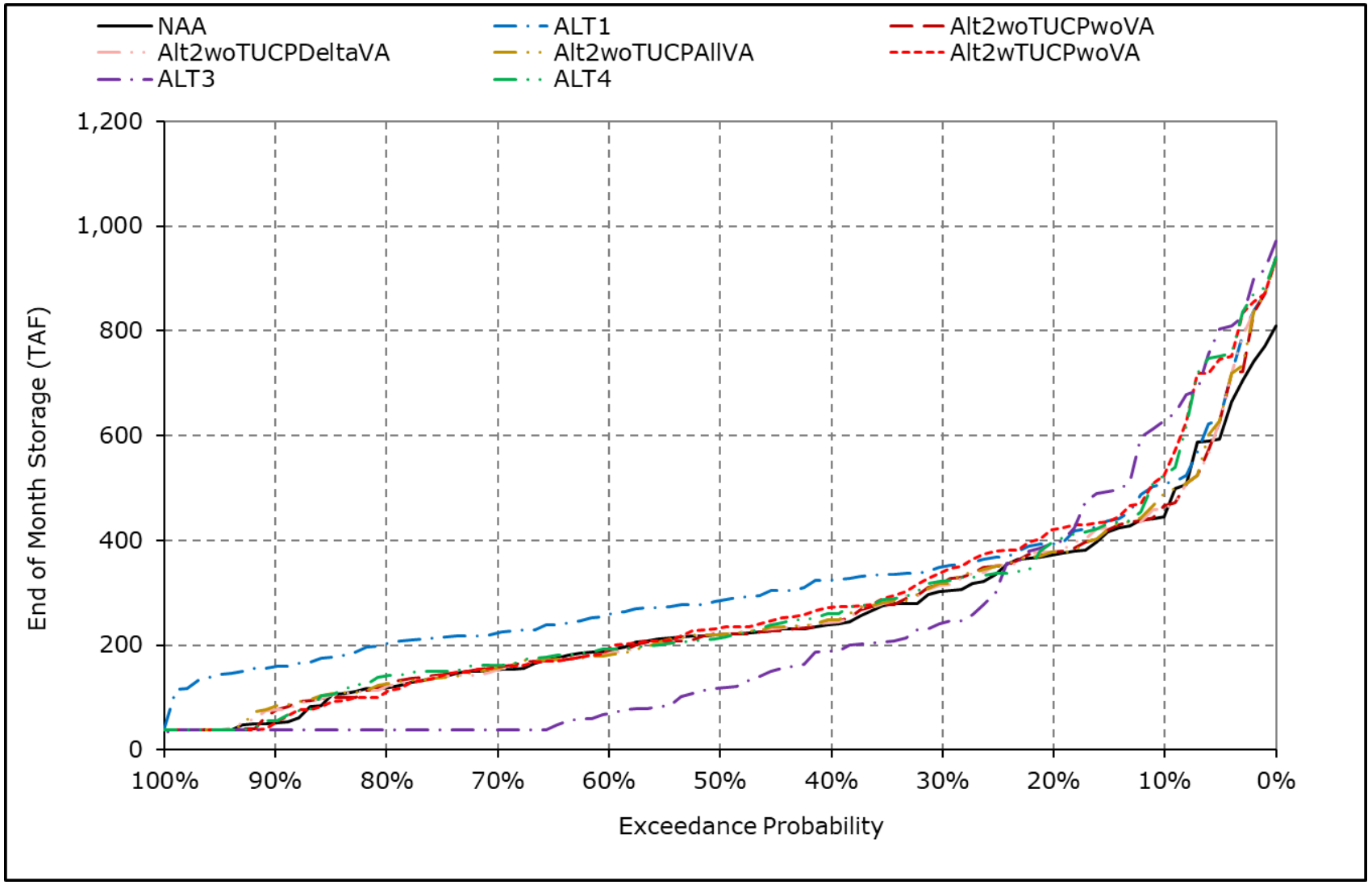
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-8. San Luis CVP Storage, May



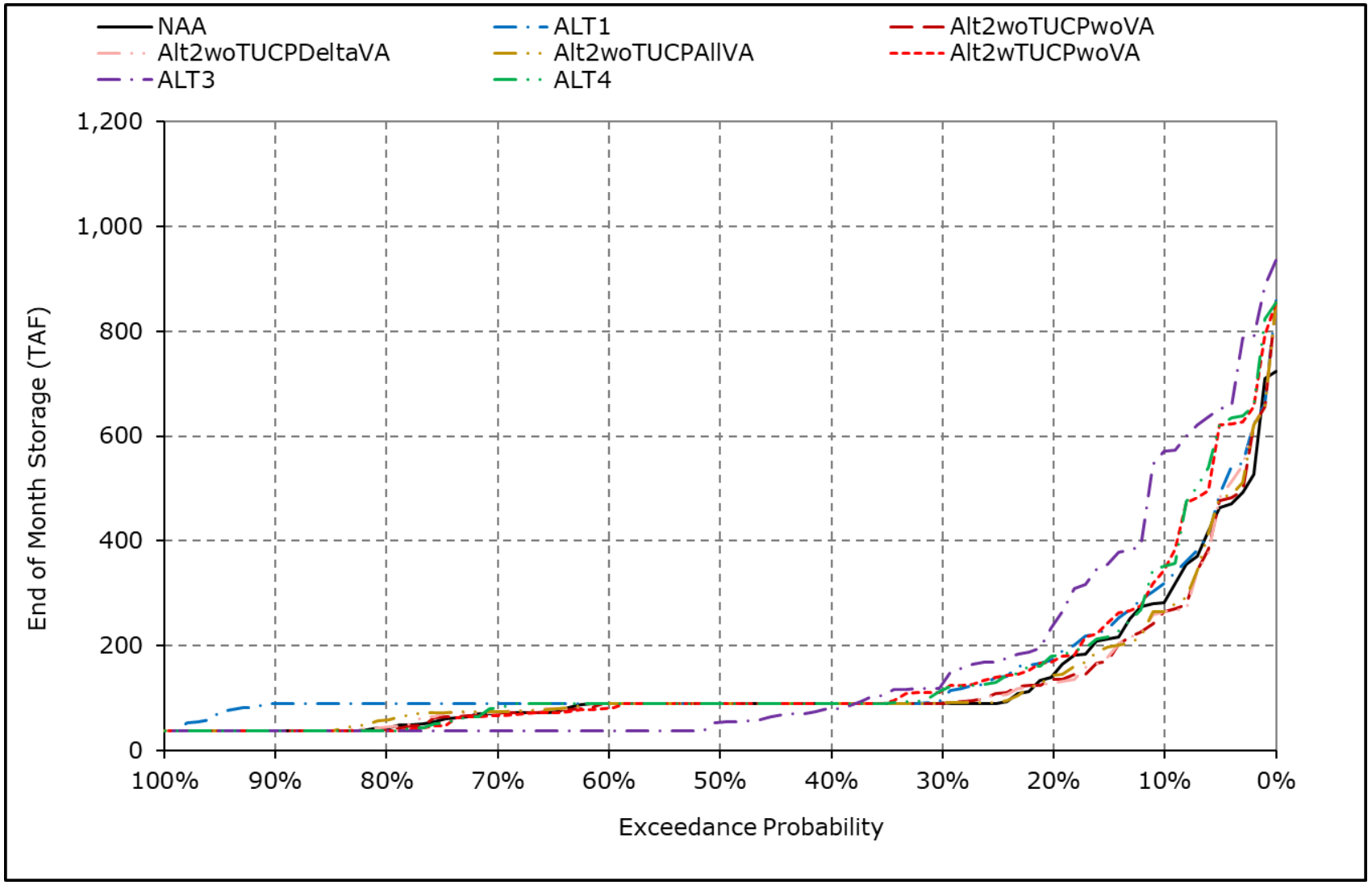
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-9. San Luis CVP Storage, June



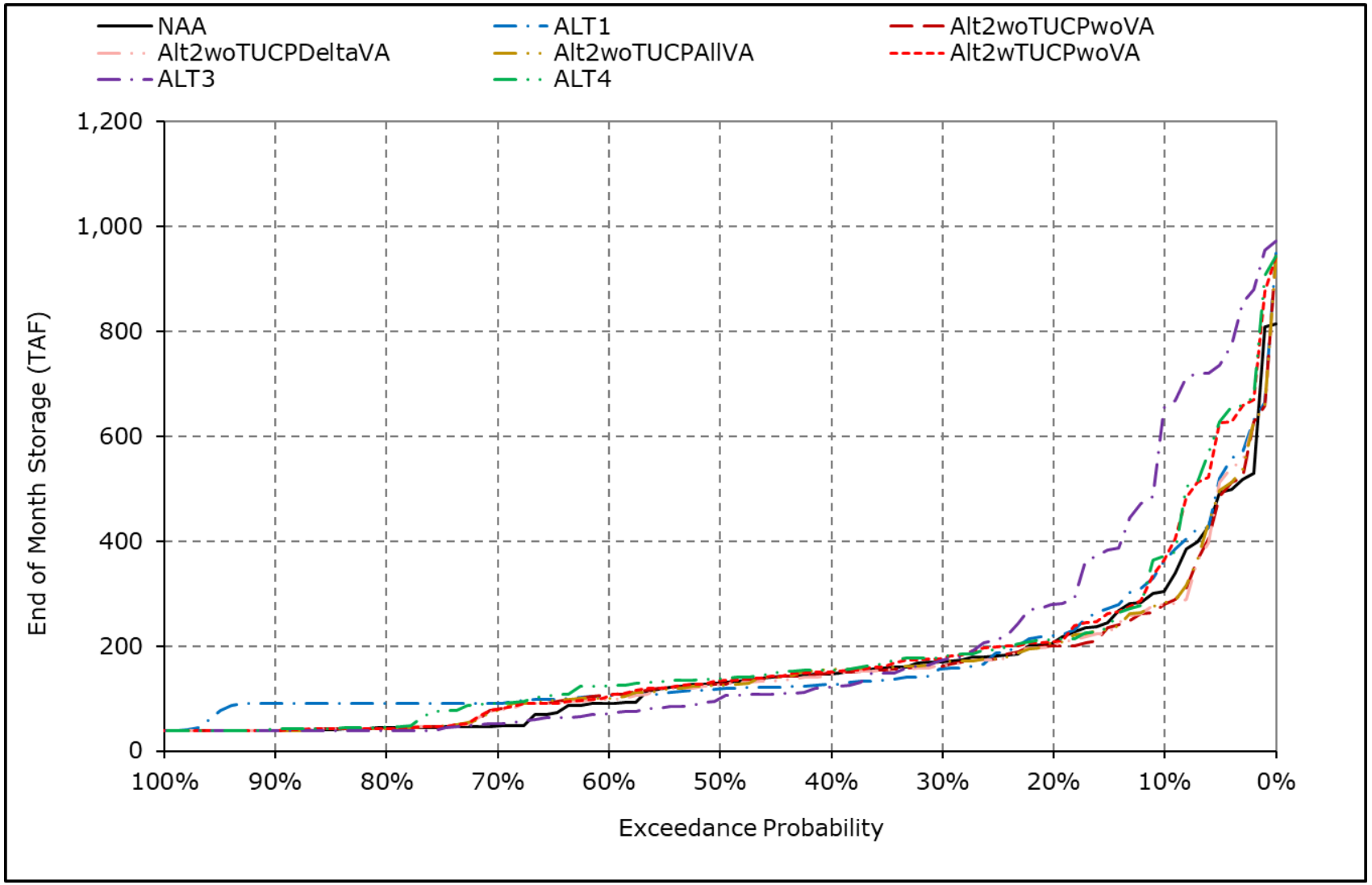
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-10. San Luis CVP Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-11. San Luis CVP Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-12. San Luis CVP Storage, September

Table F.2.1-12-1a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-1b. San Luis State Water Project Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	802	809	1,054	1,067	1,067	1,067	1,067	1,067	952	886	819	753
20% Exceedance	630	702	937	1,067	1,067	1,067	1,067	1,023	820	783	733	661
30% Exceedance	535	584	749	991	1,067	1,067	1,050	953	752	692	614	519
40% Exceedance	414	398	598	851	1,031	1,067	1,012	885	700	645	548	440
50% Exceedance	265	301	504	733	929	1,067	981	823	626	583	482	330
60% Exceedance	166	194	341	661	875	1,021	940	792	576	540	405	266
70% Exceedance	99	51	240	591	789	935	850	701	515	450	287	170
80% Exceedance	42	42	134	470	694	802	736	629	455	356	211	120
90% Exceedance	42	42	45	333	565	650	594	522	386	259	177	57
Full Simulation Period Average[a]	352	368	518	733	869	943	897	805	638	577	478	385
Wet Water Years (28%)	688	702	846	908	1,021	1,059	1,041	993	824	787	732	697
Above Normal Water Years (14%)	385	365	504	826	967	1,039	989	868	639	600	550	444
Below Normal Water Years (18%)	213	229	354	782	885	1,007	933	784	582	532	433	286
Dry Water Years (24%)	197	243	405	609	800	899	840	734	596	526	359	233
Critical Water Years (16%)	102	115	297	475	606	650	612	552	439	317	196	125

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-1c. San Luis State Water Project Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	242	111	234	66	0	0	0	83	156	121	118	133
20% Exceedance	173	141	252	301	106	0	97	234	194	151	108	125
30% Exceedance	130	84	165	330	280	162	183	259	208	97	46	84
40% Exceedance	92	-24	107	262	344	292	296	287	228	181	67	78
50% Exceedance	-18	-31	80	218	315	399	376	329	215	189	68	16
60% Exceedance	-72	-59	-25	187	305	414	414	366	244	199	80	13
70% Exceedance	-59	-139	-57	197	328	400	365	320	254	159	37	-28
80% Exceedance	-54	-84	-65	134	270	334	308	318	263	102	5	-24
90% Exceedance	-5	-7	-23	127	248	262	280	309	275	58	45	-5
Full Simulation Period Average[a]	48	5	67	181	218	231	240	254	213	135	58	50
Wet Water Years (28%)	197	139	208	208	194	161	147	194	197	141	78	134
Above Normal Water Years (14%)	44	-25	56	179	211	239	299	328	269	156	30	58
Below Normal Water Years (18%)	-40	-74	-21	253	303	360	386	380	302	178	54	-12
Dry Water Years (24%)	-15	-51	17	164	255	294	298	293	226	141	81	22
Critical Water Years (16%)	-19	-31	0	81	112	108	102	93	71	48	21	10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-2a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-2b. San Luis State Water Project Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	668	766	873	1,014	1,067	1,067	1,067	1,061	883	845	808	721
20% Exceedance	564	640	730	761	937	1,056	1,030	929	776	752	745	646
30% Exceedance	456	549	623	662	766	870	886	854	663	687	677	501
40% Exceedance	373	432	560	587	700	751	719	681	518	504	515	431
50% Exceedance	325	381	446	532	617	679	641	533	441	431	445	359
60% Exceedance	254	275	385	487	562	598	573	487	371	396	354	273
70% Exceedance	211	225	331	388	454	510	497	443	313	343	286	223
80% Exceedance	145	141	212	297	391	448	417	365	260	292	232	186
90% Exceedance	42	68	94	227	329	385	348	272	150	231	157	95
Full Simulation Period Average[a]	349	398	479	555	643	698	678	624	488	501	475	392
Wet Water Years (28%)	585	642	706	705	827	906	931	919	744	756	759	665
Above Normal Water Years (14%)	393	425	476	630	730	774	742	661	468	531	596	469
Below Normal Water Years (18%)	293	332	383	535	571	621	568	475	324	402	417	337
Dry Water Years (24%)	215	297	397	447	531	585	549	482	403	401	291	220
Critical Water Years (16%)	148	157	306	408	492	522	494	456	372	293	212	168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-2c. San Luis State Water Project Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	67	54	13	0	0	0	77	86	80	107	102
20% Exceedance	107	79	45	-5	-24	-11	60	140	151	121	119	109
30% Exceedance	51	49	40	2	-21	-35	19	159	119	93	109	67
40% Exceedance	51	10	70	-1	14	-24	3	83	46	40	34	69
50% Exceedance	43	49	22	18	2	11	35	39	30	37	30	45
60% Exceedance	16	22	19	13	-7	-10	48	62	39	55	28	20
70% Exceedance	53	34	35	-6	-7	-26	12	62	52	53	36	25
80% Exceedance	49	15	14	-38	-32	-19	-11	54	67	39	26	41
90% Exceedance	-5	19	26	21	12	-3	33	59	38	30	25	33
Full Simulation Period Average[a]	46	35	28	3	-9	-14	21	73	63	59	56	58
Wet Water Years (28%)	93	80	69	6	0	8	37	119	116	109	105	103
Above Normal Water Years (14%)	51	35	28	-17	-26	-27	52	121	99	87	76	83
Below Normal Water Years (18%)	40	29	7	6	-11	-26	21	71	44	47	37	39
Dry Water Years (24%)	3	3	9	2	-14	-19	7	41	33	16	13	9
Critical Water Years (16%)	28	11	9	13	-1	-20	-16	-2	4	24	37	52

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-3a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-3b. San Luis State Water Project Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	669	777	936	1,067	1,067	1,067	1,067	1,067	849	843	809	723
20% Exceedance	560	650	745	805	950	1,056	1,024	932	757	752	734	634
30% Exceedance	468	582	656	674	785	871	804	780	599	648	634	486
40% Exceedance	382	485	589	612	744	747	710	617	491	530	522	428
50% Exceedance	347	387	478	555	639	667	625	532	416	430	429	372
60% Exceedance	284	294	404	495	592	614	558	476	379	396	379	293
70% Exceedance	229	252	328	436	501	549	484	401	300	359	326	257
80% Exceedance	174	190	258	377	434	459	414	354	223	297	283	226
90% Exceedance	117	130	199	290	378	390	338	241	132	225	223	177
Full Simulation Period Average[a]	370	430	512	589	673	707	661	603	471	500	488	414
Wet Water Years (28%)	584	662	720	731	847	916	924	909	733	745	749	665
Above Normal Water Years (14%)	385	446	497	660	755	769	681	585	397	468	547	456
Below Normal Water Years (18%)	322	376	436	590	626	633	545	454	324	405	443	362
Dry Water Years (24%)	264	345	444	487	565	595	534	462	380	417	338	268
Critical Water Years (16%)	183	181	338	427	512	537	507	465	377	329	257	214

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-3c. San Luis State Water Project Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	79	117	66	0	0	0	83	52	77	108	103
20% Exceedance	103	90	61	40	-11	-11	53	143	132	120	109	98
30% Exceedance	63	81	72	13	-1	-34	-63	86	55	54	66	52
40% Exceedance	60	63	98	23	57	-27	-6	19	19	66	41	66
50% Exceedance	64	55	54	40	25	-1	19	39	4	35	15	58
60% Exceedance	46	41	38	21	22	7	33	50	47	55	53	40
70% Exceedance	71	62	32	42	40	13	-1	20	39	69	75	60
80% Exceedance	77	64	59	42	10	-9	-14	43	30	44	77	82
90% Exceedance	70	81	131	84	61	2	23	29	21	25	91	116
Full Simulation Period Average[a]	67	67	61	37	22	-5	4	52	45	58	69	79
Wet Water Years (28%)	93	100	83	31	21	17	29	109	105	99	95	102
Above Normal Water Years (14%)	44	56	49	12	-2	-32	-9	45	28	25	27	69
Below Normal Water Years (18%)	69	72	60	61	44	-14	-1	50	44	50	64	64
Dry Water Years (24%)	51	51	56	42	21	-10	-8	22	11	33	60	57
Critical Water Years (16%)	63	35	41	33	18	-5	-3	6	9	60	81	98

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-4a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-4b. San Luis State Water Project Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	667	777	934	1,053	1,067	1,067	1,067	1,067	833	833	803	723
20% Exceedance	568	660	756	805	947	1,057	1,019	923	757	747	731	627
30% Exceedance	436	564	641	671	779	857	789	767	600	645	630	483
40% Exceedance	378	483	556	608	718	744	705	620	501	511	532	437
50% Exceedance	345	379	479	542	638	670	618	534	409	427	409	348
60% Exceedance	284	296	395	495	582	612	562	479	382	393	368	284
70% Exceedance	228	264	340	444	517	551	498	429	311	348	330	255
80% Exceedance	175	193	271	391	446	468	421	353	245	298	285	217
90% Exceedance	125	135	205	321	383	378	339	244	108	212	239	183
Full Simulation Period Average[a]	368	429	510	587	670	704	659	601	469	494	484	407
Wet Water Years (28%)	588	665	722	723	840	911	921	907	734	747	751	662
Above Normal Water Years (14%)	371	431	481	656	752	769	681	583	393	464	539	433
Below Normal Water Years (18%)	313	369	429	587	621	624	533	440	311	383	429	352
Dry Water Years (24%)	258	346	450	495	573	602	540	465	384	410	328	260
Critical Water Years (16%)	195	194	338	424	502	530	503	463	378	330	265	223

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-4c. San Luis State Water Project Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	79	115	52	0	0	0	83	36	68	102	103
20% Exceedance	111	99	71	40	-14	-10	48	134	131	115	105	90
30% Exceedance	30	63	57	10	-7	-48	-78	72	56	51	62	48
40% Exceedance	56	61	66	19	31	-30	-11	22	28	46	51	75
50% Exceedance	62	47	56	28	23	2	12	41	-3	32	-5	34
60% Exceedance	45	44	28	21	13	5	37	53	50	52	42	31
70% Exceedance	71	73	44	50	56	15	13	48	49	58	79	58
80% Exceedance	78	67	72	56	22	0	-7	42	52	45	79	73
90% Exceedance	77	87	137	115	65	-10	24	31	-4	11	107	122
Full Simulation Period Average[a]	64	67	59	35	18	-8	2	49	44	52	65	73
Wet Water Years (28%)	97	103	84	23	14	13	26	108	107	101	97	99
Above Normal Water Years (14%)	30	41	33	9	-4	-31	-9	43	24	20	19	46
Below Normal Water Years (18%)	60	66	53	58	39	-23	-13	36	31	29	50	54
Dry Water Years (24%)	46	52	62	50	28	-3	-2	25	14	25	50	49
Critical Water Years (16%)	75	48	41	30	9	-12	-7	5	10	61	90	108

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-5a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-5b. San Luis State Water Project Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	669	766	874	1,014	1,067	1,067	1,067	1,060	872	847	808	721
20% Exceedance	565	634	718	750	890	1,056	1,028	929	759	753	742	646
30% Exceedance	457	543	609	646	766	860	851	844	663	687	677	505
40% Exceedance	372	424	538	586	695	767	742	689	520	507	513	431
50% Exceedance	323	359	428	546	622	693	659	551	442	442	462	363
60% Exceedance	243	272	375	485	567	605	578	500	375	398	362	266
70% Exceedance	179	218	318	410	473	527	514	449	319	343	286	218
80% Exceedance	114	133	223	316	393	475	430	368	272	284	219	164
90% Exceedance	42	76	87	203	329	404	335	248	152	209	144	64
Full Simulation Period Average[a]	344	393	473	553	644	703	682	628	489	500	471	387
Wet Water Years (28%)	585	643	706	704	824	903	929	917	742	754	758	665
Above Normal Water Years (14%)	391	422	473	632	736	783	751	668	473	534	597	469
Below Normal Water Years (18%)	296	333	384	546	585	641	586	489	334	414	432	351
Dry Water Years (24%)	215	296	399	447	530	585	547	480	400	402	292	221
Critical Water Years (16%)	109	127	267	385	482	529	502	462	370	268	174	119

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-5c. San Luis State Water Project Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	67	55	13	0	0	0	77	75	81	107	102
20% Exceedance	108	73	34	-16	-71	-11	58	140	134	121	116	109
30% Exceedance	51	43	25	-14	-20	-45	-16	149	119	93	109	71
40% Exceedance	50	2	47	-3	9	-7	26	90	48	42	32	69
50% Exceedance	40	26	4	32	7	25	54	58	30	48	47	49
60% Exceedance	4	20	9	11	-3	-3	53	74	43	58	37	13
70% Exceedance	22	27	22	16	12	-9	29	68	58	53	36	21
80% Exceedance	18	7	24	-20	-30	8	2	56	80	30	13	20
90% Exceedance	-5	27	18	-3	12	16	21	35	40	8	12	3
Full Simulation Period Average[a]	40	30	23	1	-8	-9	25	76	64	57	52	53
Wet Water Years (28%)	93	80	69	4	-2	5	34	118	115	108	104	102
Above Normal Water Years (14%)	50	32	26	-16	-20	-18	60	128	104	90	77	83
Below Normal Water Years (18%)	43	30	8	17	2	-7	39	85	54	59	52	53
Dry Water Years (24%)	2	2	11	2	-14	-20	5	40	30	17	14	10
Critical Water Years (16%)	-11	-19	-30	-10	-11	-13	-8	4	2	-1	-2	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-6a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-6b. San Luis State Water Project Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	419	638	746	1,067	1,067	1,067	982	836	721	570	372	408
20% Exceedance	288	349	436	766	1,025	1,030	935	811	624	413	218	201
30% Exceedance	175	320	372	489	762	920	847	730	561	348	161	60
40% Exceedance	101	242	273	350	522	710	706	637	494	295	125	42
50% Exceedance	42	168	197	291	433	483	442	400	301	204	80	42
60% Exceedance	42	124	119	230	315	428	398	332	248	136	42	42
70% Exceedance	42	67	76	159	263	327	292	260	186	99	42	42
80% Exceedance	42	42	42	98	207	238	220	200	138	62	42	42
90% Exceedance	42	42	42	43	141	144	126	108	75	42	42	42
Full Simulation Period Average[a]	173	253	295	399	525	594	551	480	390	270	166	137
Wet Water Years (28%)	264	330	369	741	912	975	906	784	688	524	344	269
Above Normal Water Years (14%)	91	121	134	390	577	680	623	544	416	248	108	46
Below Normal Water Years (18%)	154	304	357	315	409	493	468	409	299	170	73	82
Dry Water Years (24%)	134	239	310	165	263	345	310	264	184	99	51	57
Critical Water Years (16%)	173	202	223	253	324	340	318	296	258	214	183	165

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-6c. San Luis State Water Project Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-142	-61	-73	66	0	0	-85	-147	-75	-196	-329	-212
20% Exceedance	-169	-212	-249	0	64	-37	-35	21	-1	-218	-407	-336
30% Exceedance	-230	-181	-212	-172	-25	14	-20	36	17	-246	-407	-374
40% Exceedance	-221	-180	-217	-239	-165	-65	-10	39	22	-169	-356	-320
50% Exceedance	-241	-165	-226	-223	-182	-185	-164	-94	-110	-191	-334	-272
60% Exceedance	-197	-129	-247	-244	-255	-180	-127	-94	-84	-205	-284	-211
70% Exceedance	-115	-124	-221	-235	-198	-208	-193	-121	-75	-192	-208	-156
80% Exceedance	-54	-84	-156	-237	-217	-230	-208	-111	-54	-192	-164	-102
90% Exceedance	-5	-7	-26	-162	-176	-244	-188	-105	-36	-159	-90	-19
Full Simulation Period Average[a]	-130	-110	-155	-153	-127	-118	-107	-71	-35	-172	-253	-198
Wet Water Years (28%)	-228	-232	-268	41	86	77	12	-16	60	-122	-310	-293
Above Normal Water Years (14%)	-250	-268	-313	-257	-179	-121	-67	4	47	-196	-412	-341
Below Normal Water Years (18%)	-99	1	-19	-214	-173	-154	-78	4	19	-184	-306	-216
Dry Water Years (24%)	-79	-54	-78	-279	-282	-260	-232	-176	-185	-286	-227	-154
Critical Water Years (16%)	52	56	-74	-142	-170	-202	-192	-162	-110	-55	7	49

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-7a. San Luis State Water Project Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	560	698	819	1,001	1,067	1,067	1,067	984	797	765	701	620
20% Exceedance	457	561	685	766	961	1,067	970	789	626	632	625	536
30% Exceedance	405	500	584	661	787	905	867	695	544	594	568	435
40% Exceedance	322	422	491	589	687	775	716	598	472	464	481	362
50% Exceedance	283	333	424	515	615	668	606	494	411	395	414	314
60% Exceedance	239	253	366	474	570	608	525	426	332	341	326	253
70% Exceedance	157	191	296	394	461	536	485	381	261	290	250	198
80% Exceedance	96	126	198	335	424	468	428	311	192	254	206	144
90% Exceedance	47	49	68	206	317	388	314	212	111	201	132	61
Full Simulation Period Average[a]	303	363	451	552	652	712	657	551	425	442	419	334
Wet Water Years (28%)	492	563	637	700	826	898	895	800	628	646	654	563
Above Normal Water Years (14%)	341	390	448	648	756	800	690	540	369	444	520	386
Below Normal Water Years (18%)	253	303	376	529	582	647	547	405	280	354	379	298
Dry Water Years (24%)	213	294	388	445	544	605	542	440	370	385	278	211
Critical Water Years (16%)	120	146	297	395	493	542	510	458	368	269	175	116

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-7b. San Luis State Water Project Storage, Alternative 4, End-of-Month Storage (TAF)

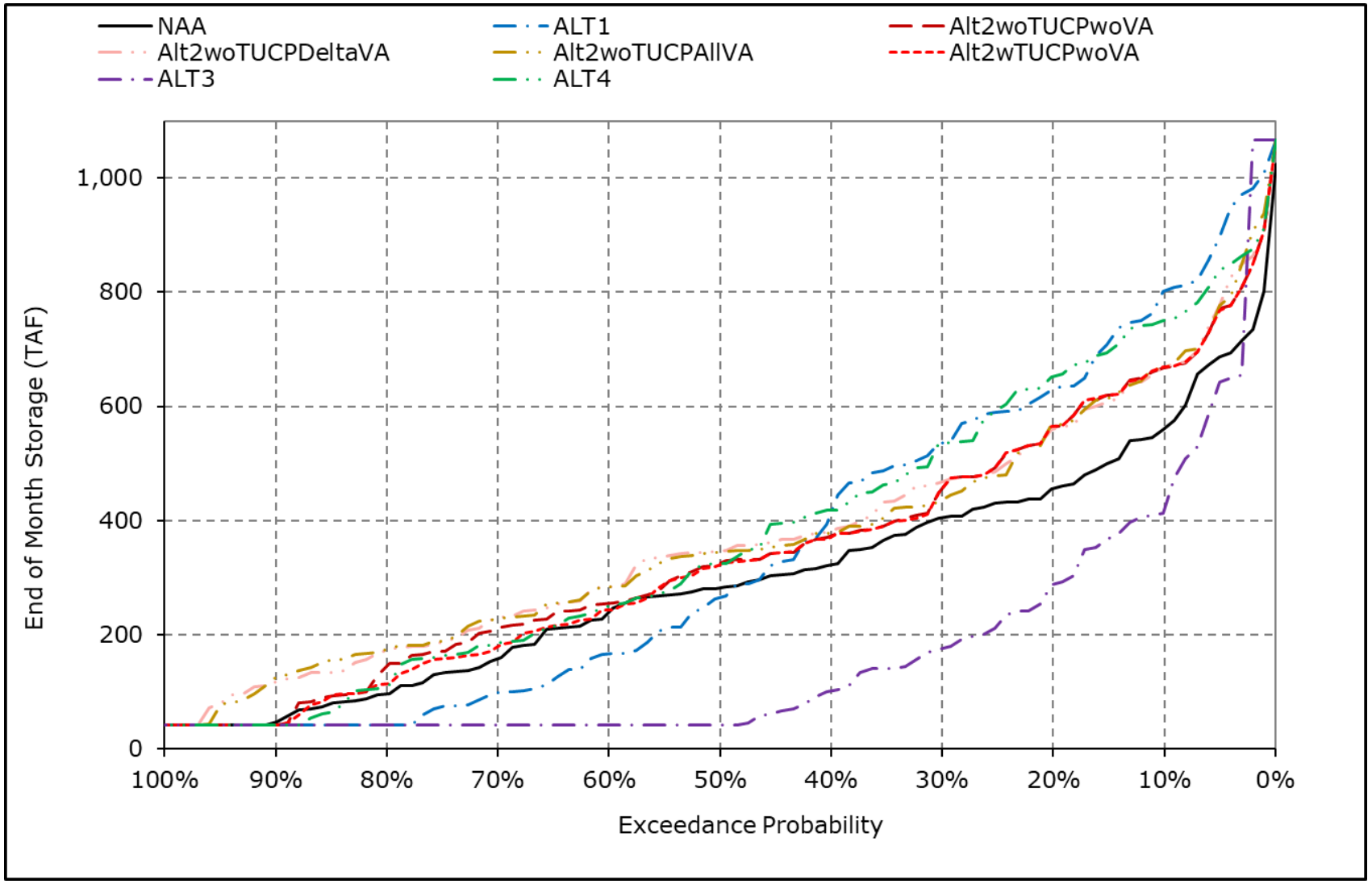
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	751	844	881	939	1,067	1,067	1,067	1,060	825	813	809	750
20% Exceedance	652	734	786	774	896	1,038	1,019	942	753	753	735	656
30% Exceedance	536	599	621	649	786	870	884	843	654	665	660	524
40% Exceedance	418	485	523	567	695	790	759	669	527	511	532	449
50% Exceedance	324	384	420	542	645	711	687	594	457	449	468	356
60% Exceedance	250	283	355	463	564	637	599	523	390	403	374	275
70% Exceedance	185	212	285	411	517	572	551	462	316	353	290	217
80% Exceedance	110	124	215	323	465	484	445	397	289	267	206	155
90% Exceedance	42	42	63	214	332	399	343	261	129	225	160	68
Full Simulation Period Average[a]	377	425	469	545	657	718	695	636	488	498	471	394
Wet Water Years (28%)	674	729	738	674	809	903	928	914	732	745	750	684
Above Normal Water Years (14%)	455	497	516	597	727	780	748	668	474	530	591	489
Below Normal Water Years (18%)	303	335	368	539	596	639	581	480	317	395	433	349
Dry Water Years (24%)	204	280	350	473	580	632	587	511	408	415	300	215
Critical Water Years (16%)	108	122	233	385	513	559	529	486	388	279	176	120

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-12-7c. San Luis State Water Project Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

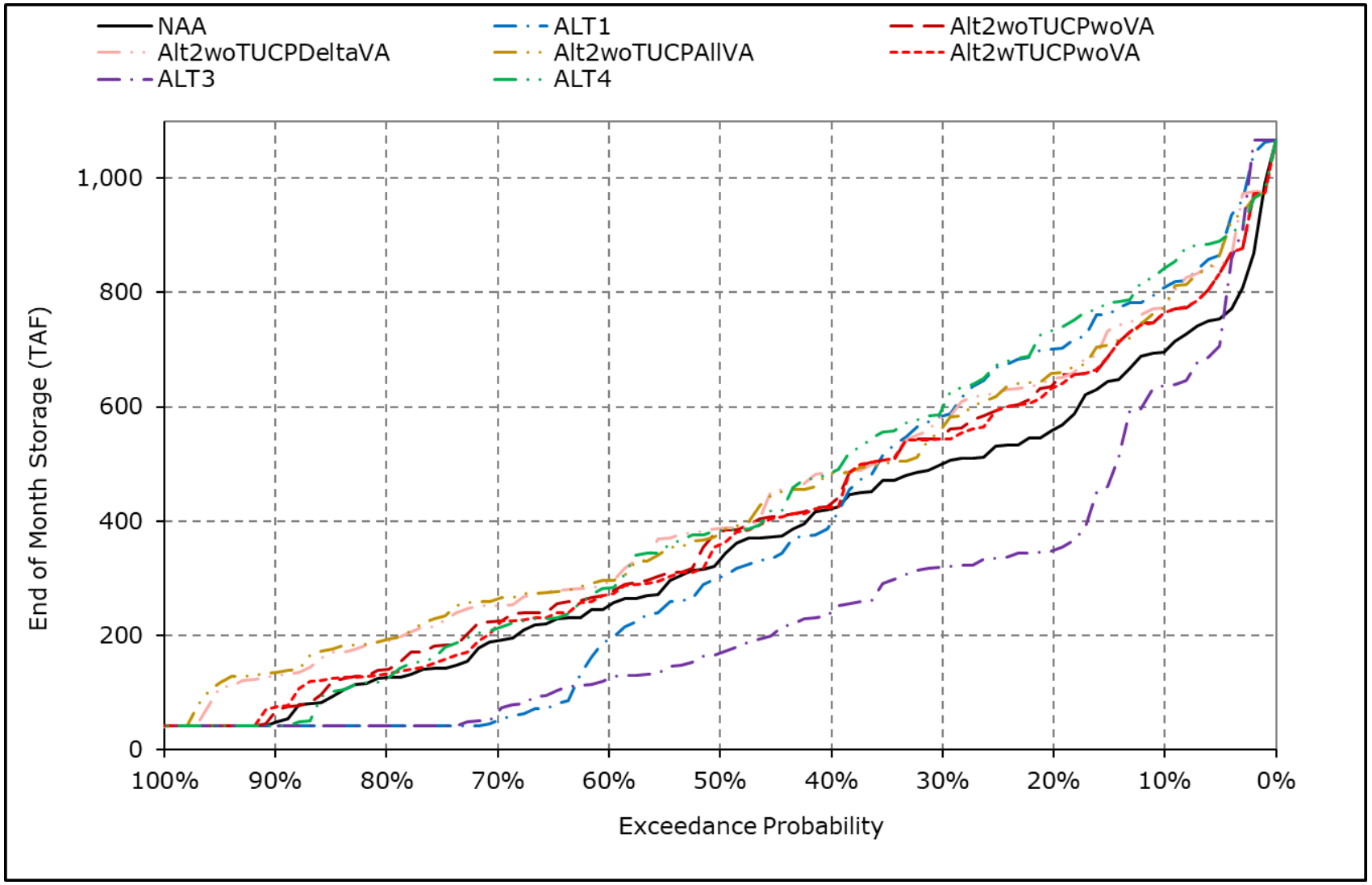
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	191	145	61	-62	0	0	0	77	28	47	108	130
20% Exceedance	195	174	101	8	-65	-29	49	152	127	121	109	120
30% Exceedance	130	98	37	-12	0	-35	17	148	110	71	92	90
40% Exceedance	96	63	32	-22	8	15	43	71	55	47	51	87
50% Exceedance	41	51	-4	27	30	43	81	101	46	55	54	42
60% Exceedance	11	30	-11	-11	-6	29	74	97	58	63	49	22
70% Exceedance	27	22	-12	17	56	37	66	81	55	63	40	20
80% Exceedance	14	-1	16	-12	41	16	17	86	97	14	0	11
90% Exceedance	-5	-7	-5	8	15	11	29	48	17	24	28	6
Full Simulation Period Average[a]	73	62	18	-7	5	6	37	85	63	56	52	59
Wet Water Years (28%)	182	167	101	-26	-17	5	33	114	104	99	96	121
Above Normal Water Years (14%)	113	107	69	-51	-29	-21	58	128	104	86	71	103
Below Normal Water Years (18%)	50	32	-8	10	14	-8	35	75	37	41	53	51
Dry Water Years (24%)	-8	-14	-38	28	36	27	45	71	38	31	22	4
Critical Water Years (16%)	-12	-24	-64	-9	19	17	19	27	20	10	1	4

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



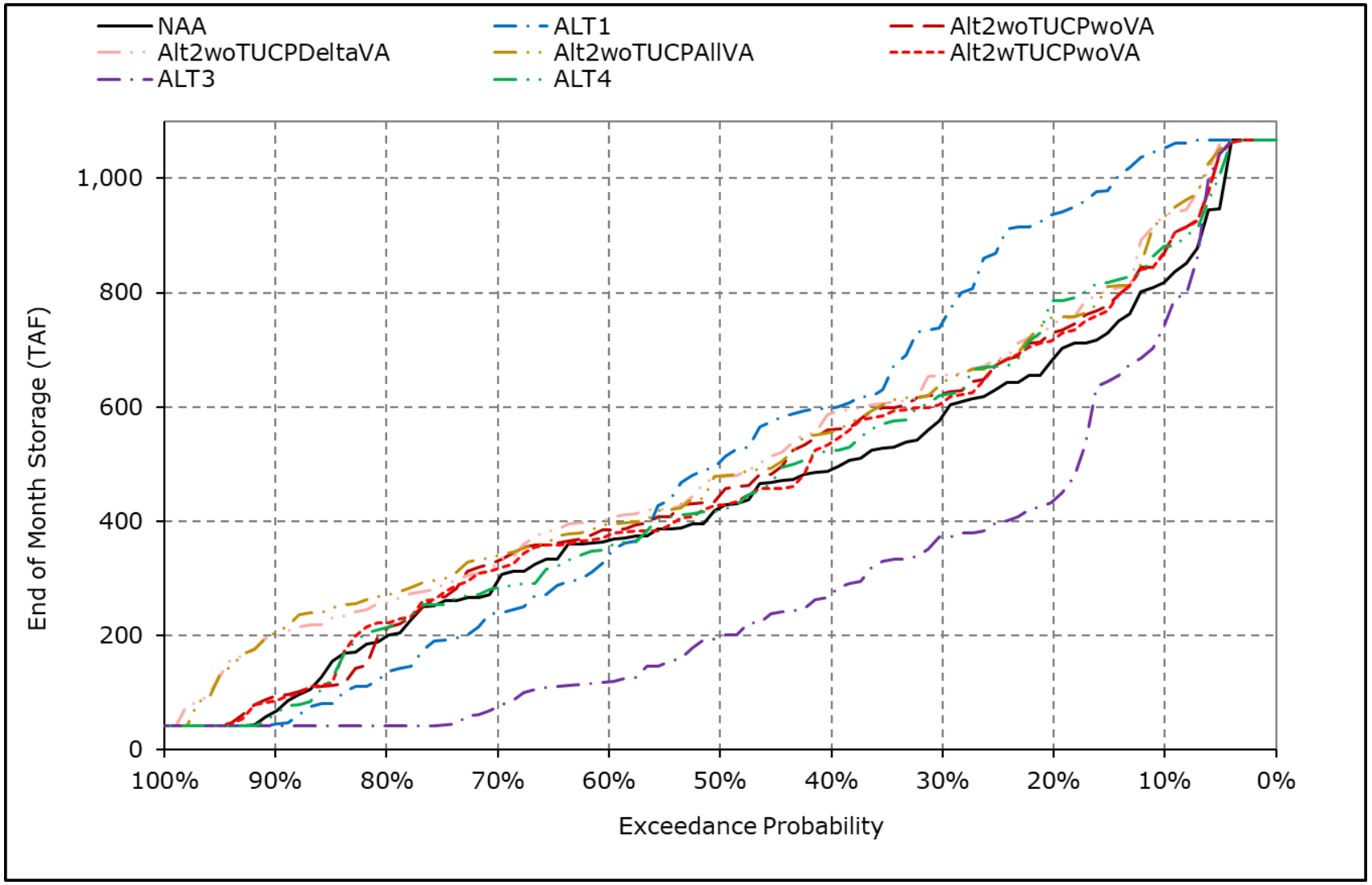
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-1. San Luis SWP Storage, October



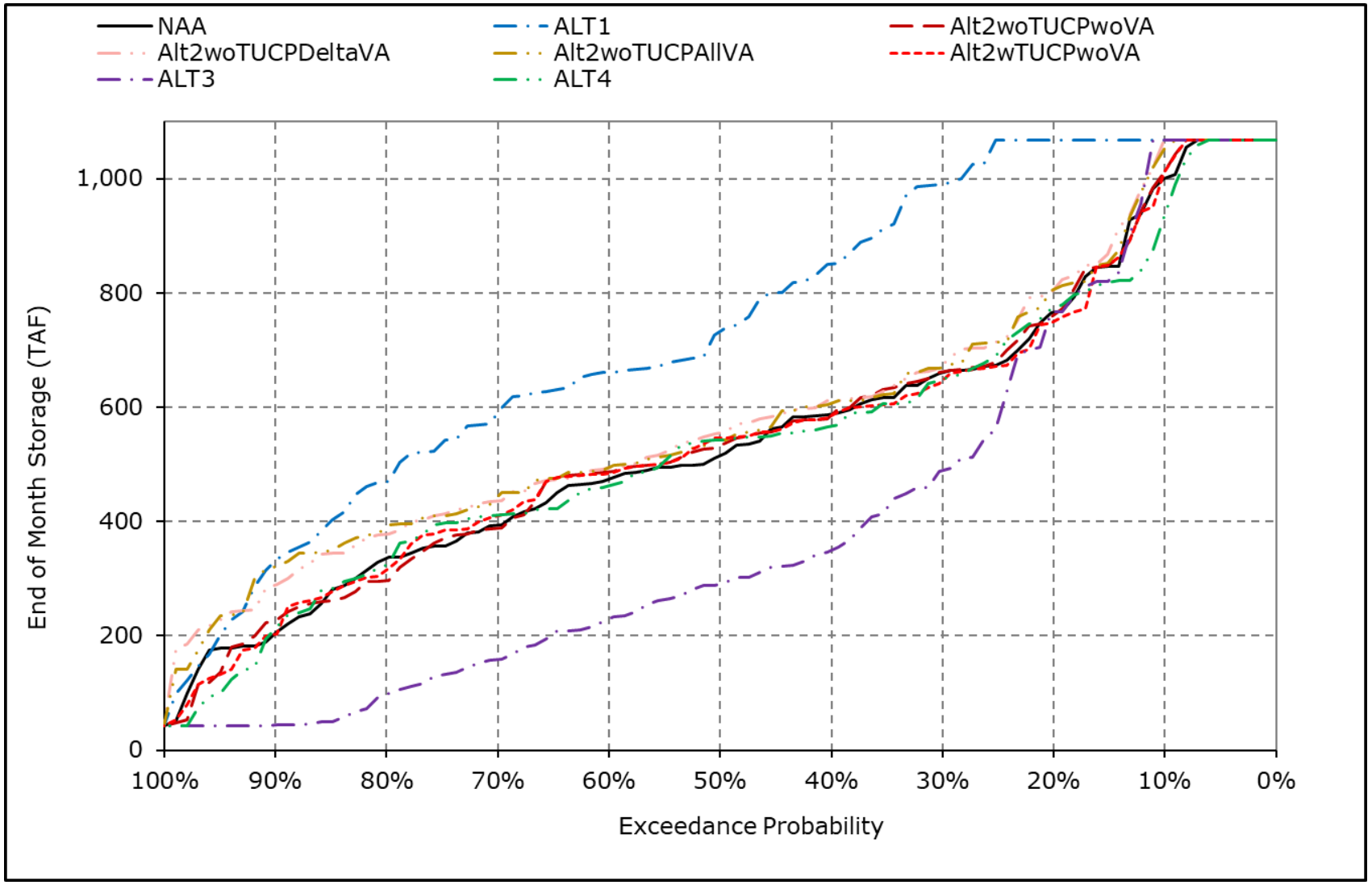
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-2. San Luis SWP Storage, November



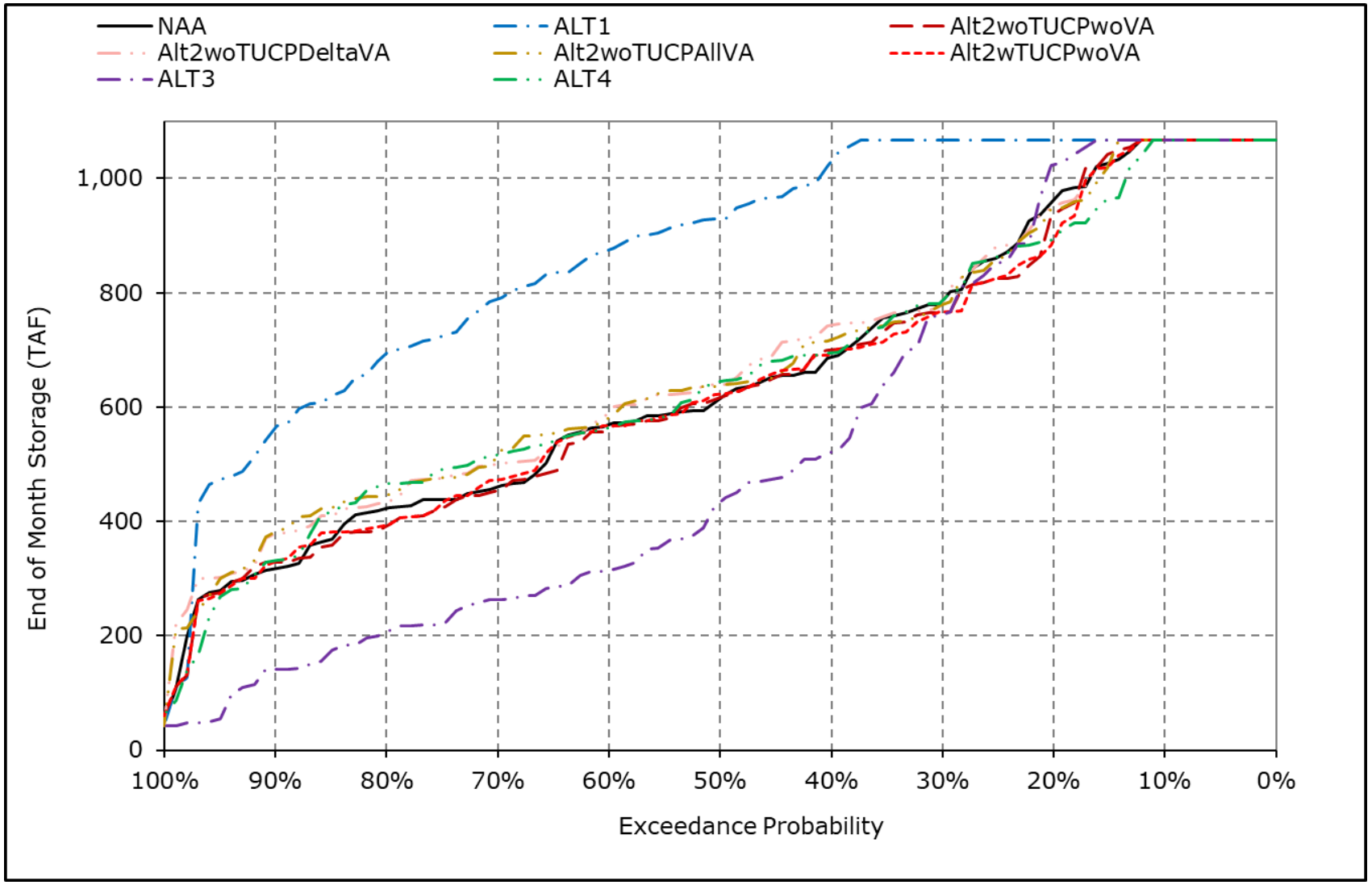
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-3. San Luis SWP Storage, December



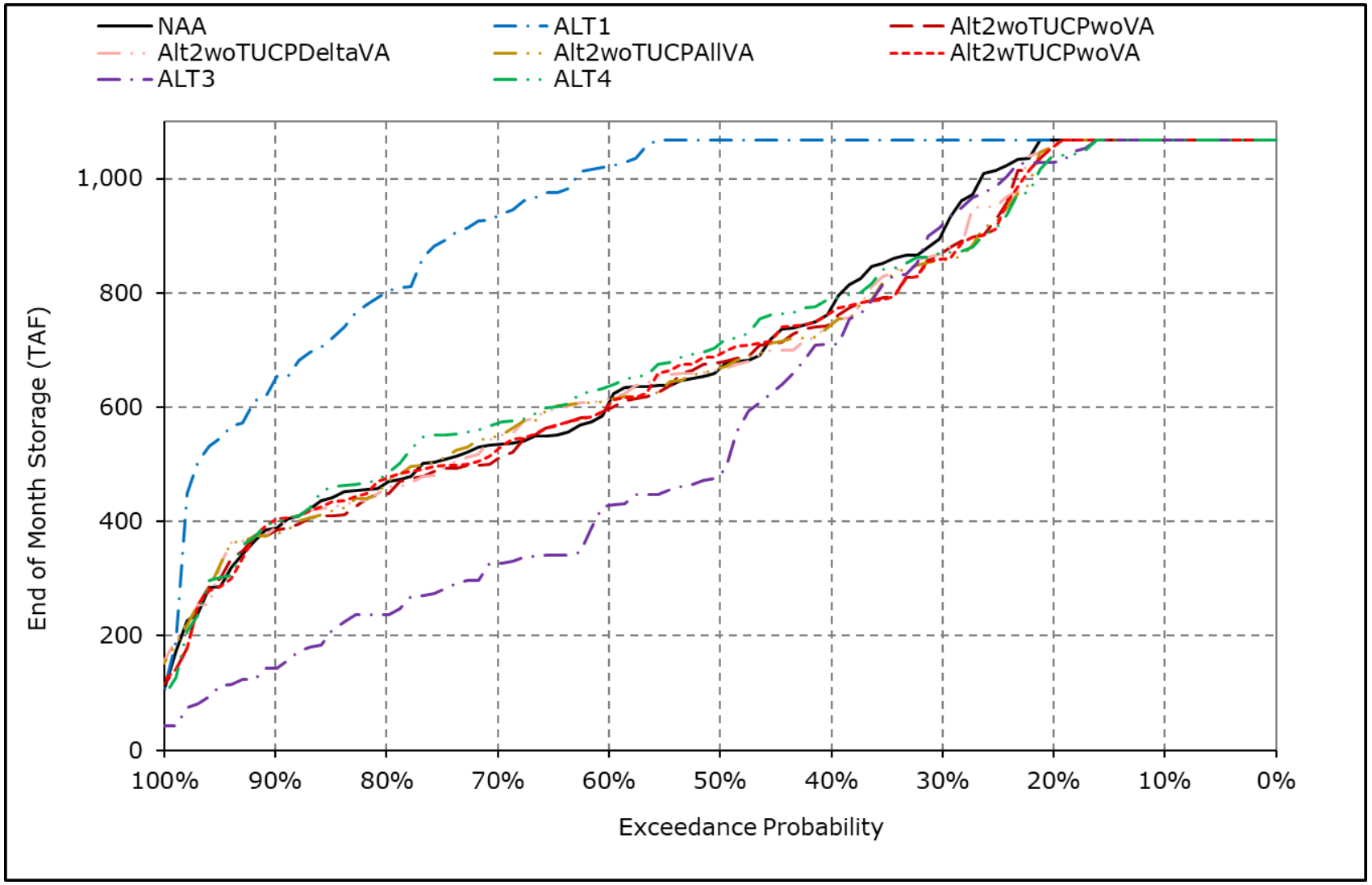
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-4. San Luis SWP Storage, January



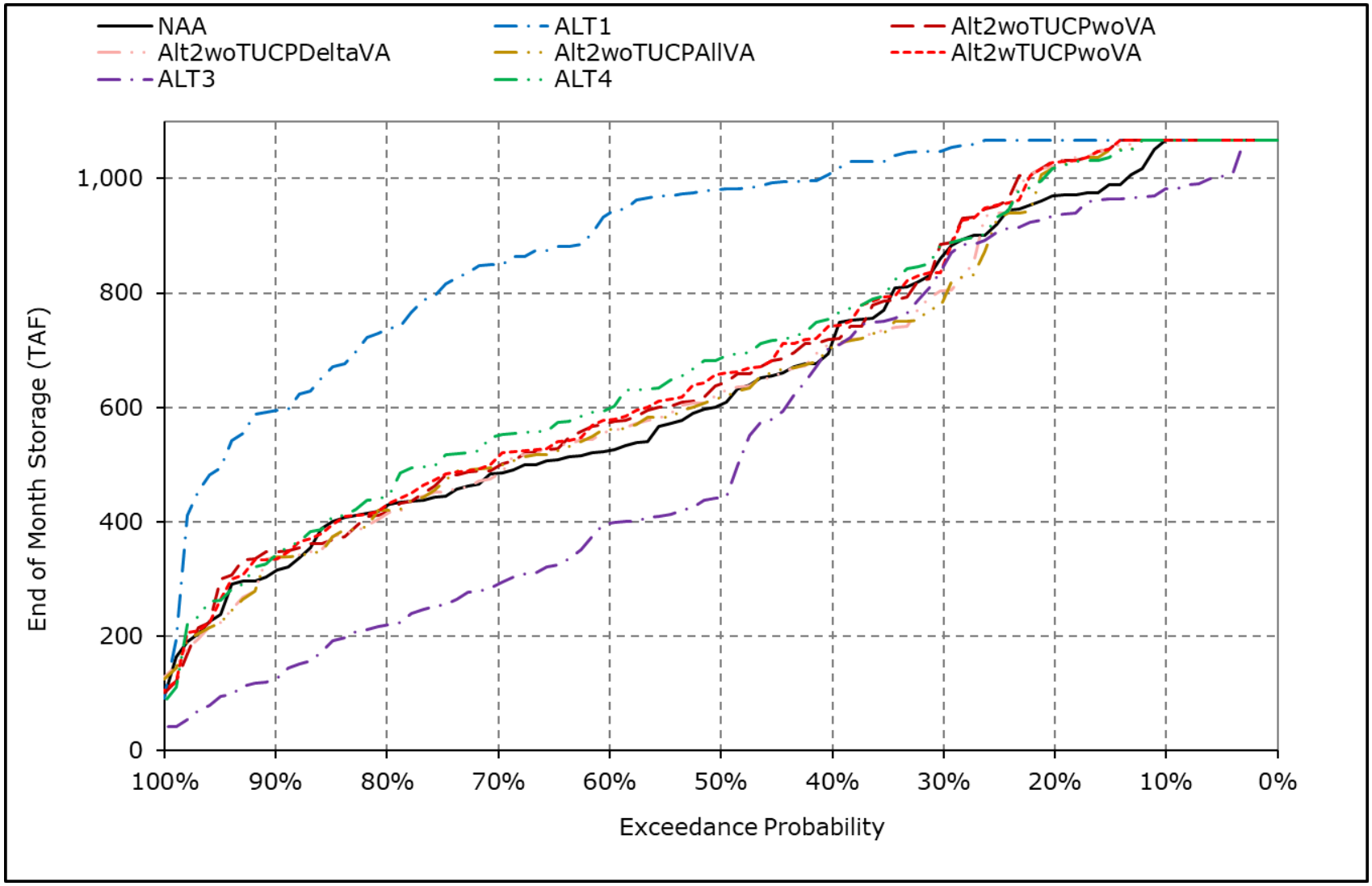
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-5. San Luis SWP Storage, February



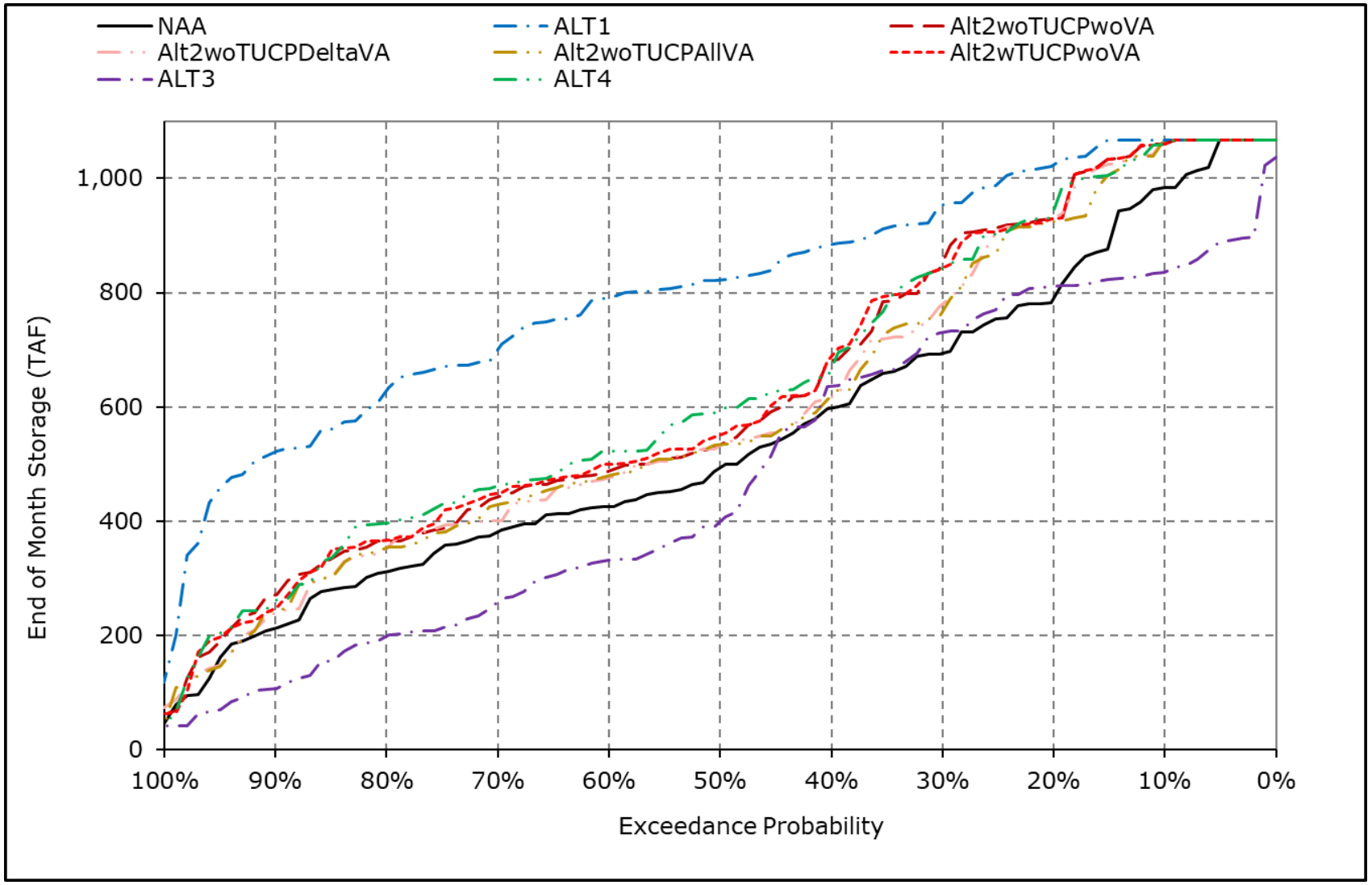
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-6. San Luis SWP Storage, March



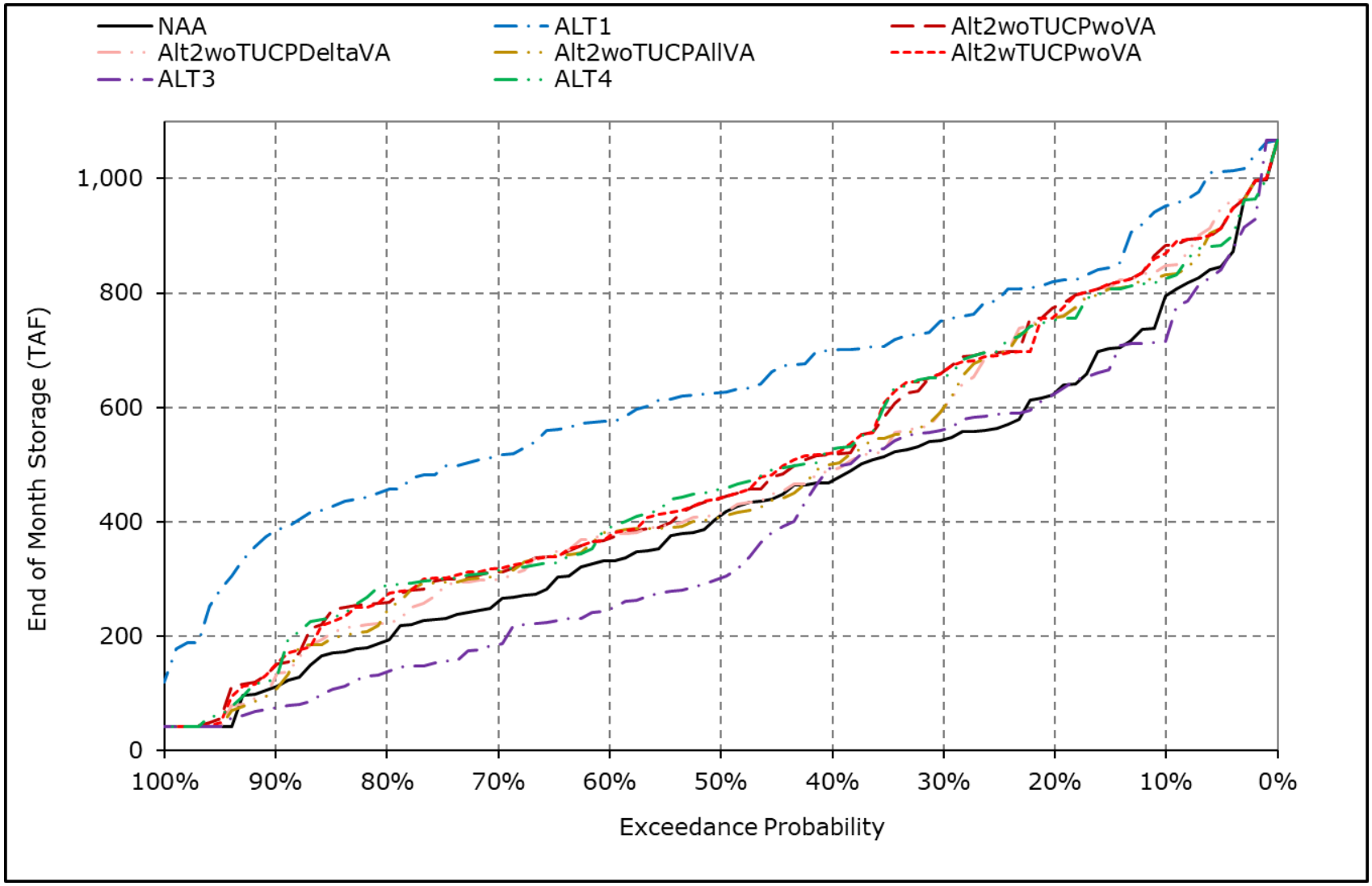
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-7. San Luis SWP Storage, April



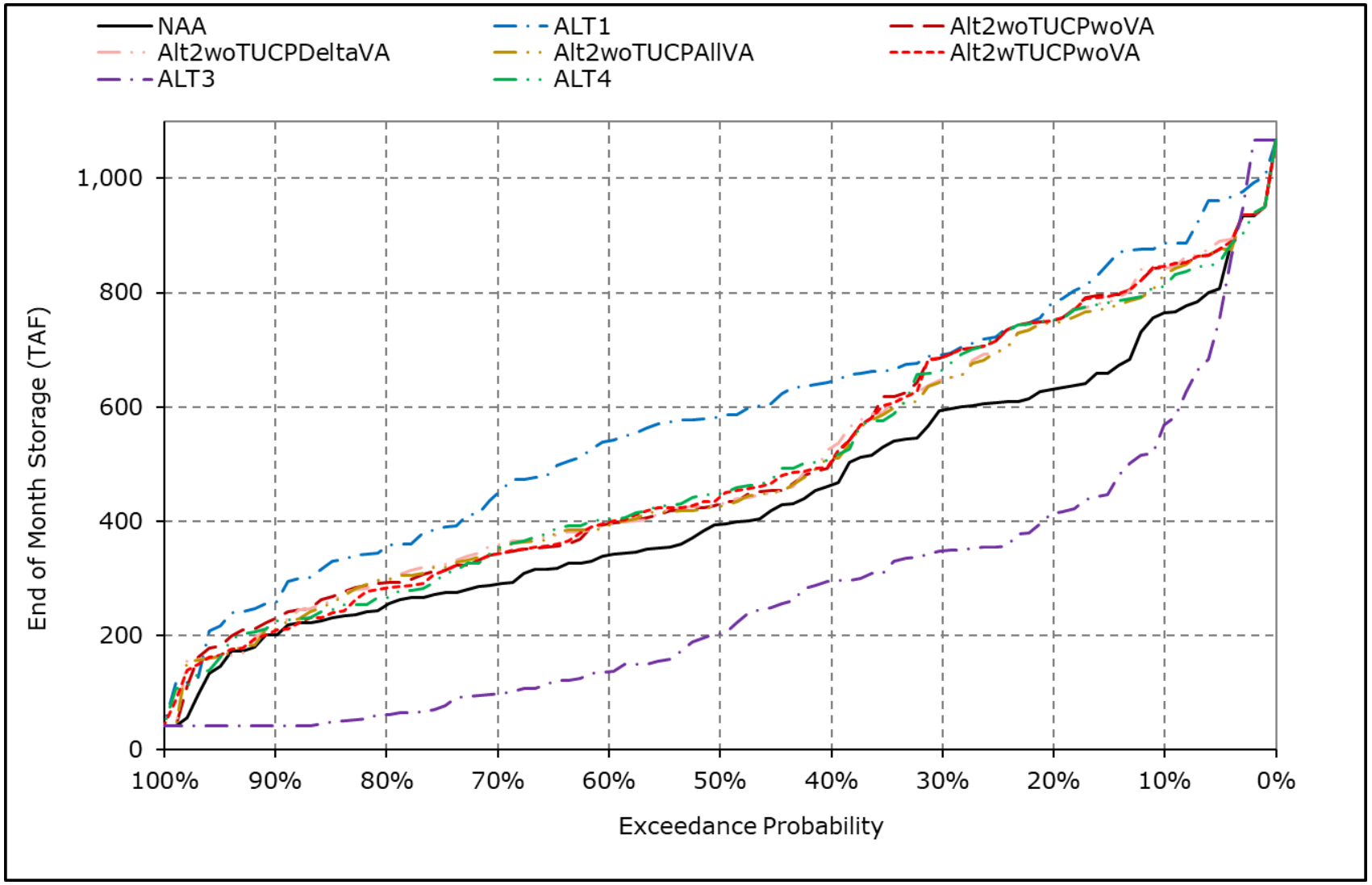
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-8. San Luis SWP Storage, May



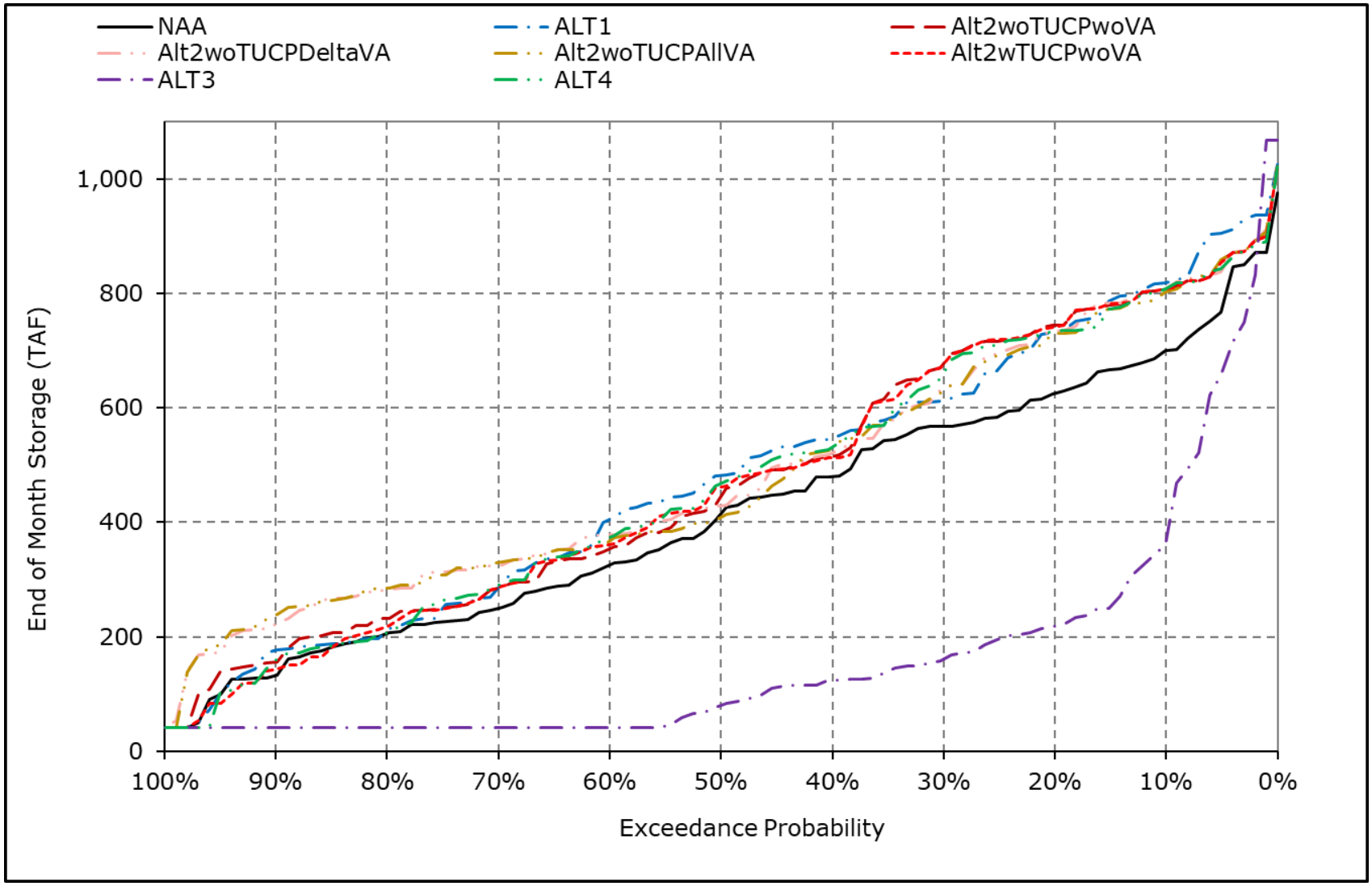
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-9. San Luis SWP Storage, June



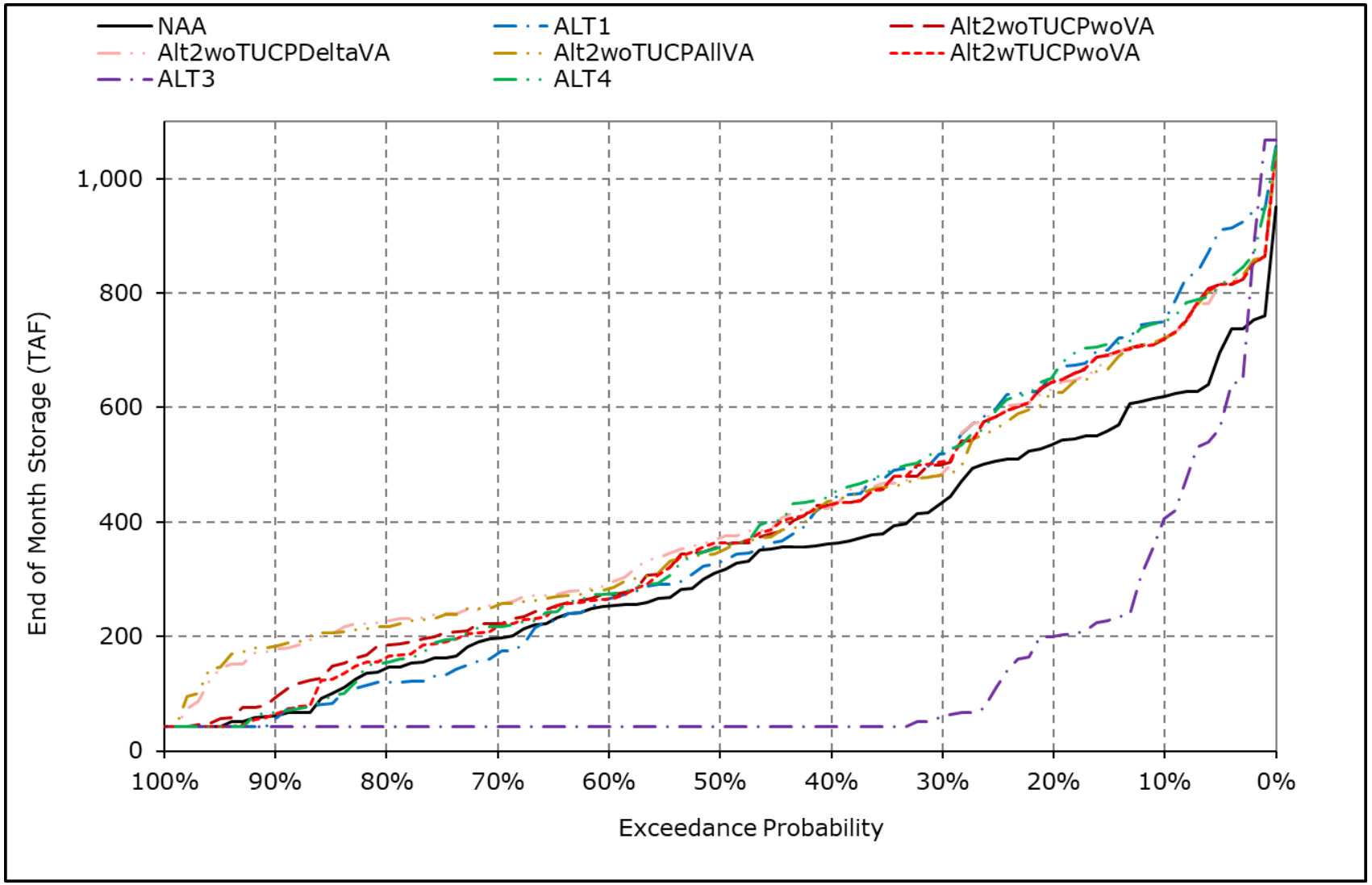
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-10. San Luis SWP Storage, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-11. San Luis SWP Storage, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-12. San Luis SWP Storage, September

Table F.2.1-13-1a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-1b. New Melones Reservoir Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,156	2,226	2,290	2,258	2,117	2,000
20% Exceedance	1,907	1,921	1,969	1,970	1,970	2,030	2,099	2,150	2,126	2,017	1,940	1,911
30% Exceedance	1,765	1,803	1,891	1,956	1,970	2,030	2,036	2,049	1,986	1,869	1,794	1,758
40% Exceedance	1,678	1,686	1,739	1,786	1,923	2,013	2,003	1,972	1,896	1,790	1,708	1,677
50% Exceedance	1,562	1,597	1,663	1,735	1,819	1,905	1,922	1,880	1,788	1,680	1,595	1,562
60% Exceedance	1,504	1,517	1,547	1,634	1,740	1,825	1,803	1,765	1,710	1,613	1,526	1,494
70% Exceedance	1,428	1,437	1,461	1,515	1,562	1,628	1,656	1,685	1,623	1,521	1,441	1,413
80% Exceedance	1,355	1,365	1,368	1,389	1,439	1,486	1,535	1,585	1,518	1,428	1,369	1,341
90% Exceedance	1,058	1,071	1,080	1,144	1,214	1,311	1,321	1,310	1,243	1,157	1,093	1,053
Full Simulation Period Average[a]	1,551	1,566	1,595	1,643	1,698	1,770	1,815	1,828	1,782	1,687	1,597	1,551
Wet Water Years (22%)	1,884	1,885	1,886	1,723	1,805	1,919	2,041	2,150	2,202	2,129	1,994	1,906
Above Normal Water Years (12%)	1,663	1,678	1,722	1,721	1,773	1,853	1,925	1,967	1,909	1,798	1,715	1,677
Below Normal Water Years (15%)	1,668	1,692	1,716	1,678	1,767	1,841	1,911	1,953	1,888	1,776	1,694	1,661
Dry Water Years (17%)	1,521	1,568	1,624	1,676	1,724	1,805	1,835	1,810	1,725	1,619	1,539	1,507
Critical Water Years (34%)	1,248	1,252	1,280	1,532	1,558	1,596	1,577	1,524	1,447	1,356	1,284	1,250

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-1c. New Melones Reservoir Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-5	-16	-31	33	-13	0
20% Exceedance	17	-7	-1	0	0	0	-13	-15	-15	-11	-8	-9
30% Exceedance	-6	-14	19	3	0	0	-25	-31	-39	-40	-41	-39
40% Exceedance	-32	-62	-41	-52	-47	-14	-33	-42	-67	-69	-62	-61
50% Exceedance	-69	-58	-53	-42	-44	-53	-59	-77	-88	-94	-94	-96
60% Exceedance	-49	-57	-68	-54	-54	-33	-70	-95	-75	-79	-92	-86
70% Exceedance	-44	-47	-37	-51	-96	-103	-105	-68	-84	-80	-87	-82
80% Exceedance	68	61	24	9	-5	-3	45	-19	-21	-8	16	18
90% Exceedance	14	22	40	52	23	10	-16	5	-25	-15	6	4
Full Simulation Period Average[a]	-1	-5	-8	-7	-11	-9	-14	-21	-27	-27	-26	-26
Wet Water Years (22%)	44	39	35	21	10	19	27	34	30	31	35	34
Above Normal Water Years (12%)	40	35	33	29	23	21	34	28	10	9	9	12
Below Normal Water Years (15%)	4	0	-3	-42	-35	-30	-23	-17	-25	-26	-26	-27
Dry Water Years (17%)	-74	-78	-81	-43	-49	-53	-75	-94	-100	-100	-100	-100
Critical Water Years (34%)	-12	-16	-19	-6	-8	-8	-23	-40	-41	-41	-41	-41

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-2a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-2b. New Melones Reservoir Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,164	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,904	1,958	1,970	1,970	1,970	2,030	2,117	2,156	2,144	2,039	1,976	1,943
30% Exceedance	1,795	1,819	1,869	1,964	1,970	2,030	2,079	2,104	2,035	1,926	1,841	1,807
40% Exceedance	1,722	1,741	1,782	1,857	1,967	2,030	2,039	1,998	1,937	1,857	1,771	1,743
50% Exceedance	1,629	1,656	1,705	1,780	1,872	1,952	1,956	1,940	1,870	1,768	1,688	1,652
60% Exceedance	1,557	1,580	1,620	1,693	1,773	1,857	1,870	1,870	1,802	1,694	1,617	1,583
70% Exceedance	1,473	1,485	1,522	1,577	1,620	1,741	1,757	1,794	1,721	1,620	1,540	1,499
80% Exceedance	1,336	1,352	1,369	1,416	1,468	1,505	1,520	1,635	1,579	1,473	1,395	1,362
90% Exceedance	983	987	1,048	1,089	1,163	1,271	1,296	1,295	1,244	1,138	1,043	1,008
Full Simulation Period Average[a]	1,554	1,573	1,603	1,652	1,708	1,780	1,834	1,856	1,816	1,719	1,624	1,578
Wet Water Years (22%)	1,847	1,853	1,855	1,706	1,798	1,904	2,019	2,121	2,186	2,114	1,967	1,879
Above Normal Water Years (12%)	1,615	1,635	1,681	1,683	1,736	1,818	1,883	1,930	1,890	1,781	1,698	1,657
Below Normal Water Years (15%)	1,688	1,716	1,739	1,712	1,793	1,869	1,950	1,994	1,937	1,826	1,744	1,712
Dry Water Years (17%)	1,604	1,654	1,709	1,716	1,764	1,849	1,909	1,911	1,832	1,726	1,646	1,614
Critical Water Years (34%)	1,247	1,255	1,287	1,549	1,573	1,612	1,607	1,571	1,488	1,391	1,312	1,278

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-2c. New Melones Reservoir Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	3	25	36	55	0	0
20% Exceedance	14	31	0	0	0	0	4	-8	4	12	27	23
30% Exceedance	25	2	-4	11	0	0	17	24	11	16	6	9
40% Exceedance	12	-7	3	20	-3	4	3	-16	-26	-3	1	5
50% Exceedance	-2	1	-11	3	8	-7	-26	-16	-6	-5	-1	-6
60% Exceedance	4	6	5	4	-21	-1	-3	10	17	2	-1	2
70% Exceedance	1	2	25	11	-37	10	-4	40	15	20	12	4
80% Exceedance	49	48	26	36	24	16	29	31	40	38	42	38
90% Exceedance	-61	-63	8	-4	-28	-30	-40	-10	-24	-33	-44	-41
Full Simulation Period Average[a]	2	1	-1	2	-1	0	5	7	7	5	2	1
Wet Water Years (22%)	8	7	3	4	3	4	5	4	14	16	9	8
Above Normal Water Years (12%)	-8	-8	-8	-10	-14	-14	-8	-8	-8	-8	-8	-8
Below Normal Water Years (15%)	24	24	20	-8	-9	-3	15	23	24	24	24	23
Dry Water Years (17%)	9	9	4	-3	-9	-9	-1	7	7	7	7	7
Critical Water Years (34%)	-12	-12	-13	12	7	7	7	7	1	-6	-12	-12

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-3a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-3b. New Melones Reservoir Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,164	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,904	1,958	1,970	1,970	1,970	2,030	2,117	2,156	2,145	2,039	1,976	1,943
30% Exceedance	1,795	1,819	1,869	1,964	1,970	2,030	2,079	2,104	2,035	1,926	1,841	1,807
40% Exceedance	1,722	1,741	1,782	1,857	1,967	2,030	2,039	1,998	1,937	1,857	1,771	1,743
50% Exceedance	1,629	1,656	1,705	1,780	1,873	1,952	1,956	1,940	1,870	1,768	1,688	1,652
60% Exceedance	1,557	1,580	1,620	1,693	1,773	1,857	1,870	1,870	1,802	1,694	1,617	1,583
70% Exceedance	1,473	1,485	1,522	1,577	1,620	1,741	1,757	1,794	1,721	1,620	1,540	1,499
80% Exceedance	1,338	1,352	1,369	1,417	1,468	1,505	1,521	1,637	1,581	1,473	1,395	1,362
90% Exceedance	983	987	1,048	1,089	1,163	1,271	1,296	1,295	1,244	1,138	1,043	1,008
Full Simulation Period Average[a]	1,554	1,573	1,603	1,653	1,708	1,780	1,834	1,856	1,816	1,719	1,624	1,578
Wet Water Years (22%)	1,848	1,853	1,855	1,706	1,798	1,904	2,019	2,121	2,186	2,114	1,967	1,879
Above Normal Water Years (12%)	1,615	1,635	1,681	1,683	1,736	1,818	1,883	1,930	1,890	1,781	1,698	1,657
Below Normal Water Years (15%)	1,688	1,716	1,739	1,712	1,793	1,869	1,950	1,994	1,937	1,826	1,744	1,712
Dry Water Years (17%)	1,604	1,654	1,709	1,716	1,764	1,849	1,909	1,911	1,832	1,726	1,646	1,614
Critical Water Years (34%)	1,247	1,256	1,287	1,549	1,573	1,612	1,607	1,571	1,488	1,391	1,313	1,278

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-3c. New Melones Reservoir Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	3	25	36	55	0	0
20% Exceedance	14	31	0	0	0	0	4	-8	4	12	27	23
30% Exceedance	25	2	-4	11	0	0	17	24	11	16	6	9
40% Exceedance	12	-7	3	20	-3	4	3	-16	-26	-2	1	5
50% Exceedance	-2	1	-11	3	9	-7	-26	-16	-6	-5	-1	-6
60% Exceedance	4	6	5	4	-21	-1	-3	10	17	2	-1	2
70% Exceedance	1	2	25	11	-37	10	-4	40	15	20	12	4
80% Exceedance	51	48	26	37	24	16	31	33	42	38	43	39
90% Exceedance	-61	-63	8	-4	-28	-30	-40	-10	-24	-33	-44	-41
Full Simulation Period Average[a]	2	1	-1	2	-1	0	5	7	7	5	2	1
Wet Water Years (22%)	8	7	3	4	3	5	5	4	14	16	9	8
Above Normal Water Years (12%)	-8	-8	-8	-10	-14	-14	-8	-8	-8	-8	-8	-8
Below Normal Water Years (15%)	24	24	20	-8	-9	-3	16	23	24	24	24	24
Dry Water Years (17%)	9	9	4	-3	-9	-9	-1	7	7	7	7	7
Critical Water Years (34%)	-12	-12	-13	12	7	8	7	7	1	-6	-12	-12

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-4a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-4b. New Melones Reservoir Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,177	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,915	1,958	1,970	1,970	1,970	2,030	2,117	2,165	2,153	2,052	1,976	1,943
30% Exceedance	1,801	1,821	1,897	1,962	1,970	2,030	2,086	2,110	2,040	1,929	1,842	1,819
40% Exceedance	1,726	1,753	1,793	1,858	1,969	2,030	2,045	2,006	1,950	1,864	1,779	1,747
50% Exceedance	1,631	1,657	1,734	1,790	1,881	1,973	1,995	1,954	1,873	1,777	1,694	1,654
60% Exceedance	1,566	1,583	1,627	1,700	1,799	1,890	1,882	1,872	1,810	1,708	1,620	1,591
70% Exceedance	1,498	1,510	1,536	1,585	1,641	1,754	1,763	1,794	1,730	1,628	1,551	1,518
80% Exceedance	1,344	1,366	1,387	1,450	1,470	1,508	1,521	1,636	1,587	1,487	1,409	1,374
90% Exceedance	990	993	1,061	1,098	1,168	1,271	1,308	1,309	1,259	1,147	1,048	1,022
Full Simulation Period Average[a]	1,562	1,582	1,611	1,660	1,715	1,786	1,840	1,863	1,823	1,727	1,633	1,587
Wet Water Years (22%)	1,847	1,853	1,855	1,707	1,799	1,904	2,019	2,121	2,186	2,114	1,967	1,879
Above Normal Water Years (12%)	1,619	1,638	1,684	1,687	1,739	1,822	1,887	1,934	1,894	1,784	1,701	1,660
Below Normal Water Years (15%)	1,694	1,721	1,743	1,727	1,805	1,874	1,955	1,999	1,943	1,832	1,749	1,717
Dry Water Years (17%)	1,617	1,667	1,722	1,729	1,777	1,862	1,922	1,924	1,845	1,739	1,659	1,627
Critical Water Years (34%)	1,263	1,271	1,302	1,557	1,582	1,620	1,616	1,579	1,499	1,404	1,327	1,293

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-4c. New Melones Reservoir Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	16	25	36	55	0	0
20% Exceedance	25	31	0	0	0	0	4	1	13	25	27	23
30% Exceedance	31	4	24	9	0	0	24	30	16	20	6	21
40% Exceedance	17	5	13	21	-1	4	9	-7	-12	5	9	9
50% Exceedance	1	2	19	13	17	15	14	-2	-3	4	5	-4
60% Exceedance	13	10	11	12	5	32	9	12	26	16	1	10
70% Exceedance	26	26	39	19	-16	23	2	40	23	27	23	23
80% Exceedance	57	63	43	70	25	19	31	33	48	51	56	51
90% Exceedance	-54	-56	21	5	-23	-30	-29	5	-9	-24	-39	-27
Full Simulation Period Average[a]	10	10	8	10	6	6	11	13	14	13	10	10
Wet Water Years (22%)	8	7	3	4	4	5	5	4	14	16	9	8
Above Normal Water Years (12%)	-5	-5	-5	-6	-10	-10	-5	-4	-5	-5	-5	-5
Below Normal Water Years (15%)	30	29	24	7	4	3	20	29	30	30	30	29
Dry Water Years (17%)	22	22	17	10	4	4	12	20	20	20	20	20
Critical Water Years (34%)	3	3	3	20	15	16	16	16	11	7	3	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-5a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-5b. New Melones Reservoir Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,177	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,916	1,958	1,970	1,970	1,970	2,030	2,117	2,165	2,152	2,052	1,976	1,943
30% Exceedance	1,801	1,821	1,898	1,964	1,970	2,030	2,086	2,110	2,040	1,929	1,842	1,819
40% Exceedance	1,726	1,753	1,793	1,858	1,969	2,030	2,046	2,006	1,950	1,864	1,779	1,747
50% Exceedance	1,631	1,657	1,734	1,790	1,881	1,973	1,995	1,954	1,873	1,777	1,694	1,654
60% Exceedance	1,566	1,583	1,627	1,700	1,799	1,890	1,882	1,872	1,810	1,708	1,620	1,591
70% Exceedance	1,499	1,511	1,538	1,585	1,641	1,755	1,763	1,794	1,731	1,628	1,551	1,518
80% Exceedance	1,344	1,367	1,387	1,450	1,470	1,509	1,520	1,635	1,588	1,488	1,409	1,374
90% Exceedance	990	993	1,061	1,098	1,168	1,271	1,308	1,309	1,259	1,148	1,048	1,022
Full Simulation Period Average[a]	1,563	1,582	1,611	1,660	1,715	1,786	1,840	1,863	1,823	1,727	1,633	1,587
Wet Water Years (22%)	1,847	1,853	1,855	1,707	1,799	1,904	2,019	2,121	2,186	2,114	1,967	1,879
Above Normal Water Years (12%)	1,619	1,639	1,684	1,687	1,740	1,822	1,887	1,934	1,894	1,785	1,702	1,661
Below Normal Water Years (15%)	1,694	1,721	1,743	1,727	1,805	1,874	1,955	1,999	1,943	1,832	1,749	1,717
Dry Water Years (17%)	1,617	1,667	1,722	1,729	1,777	1,862	1,922	1,924	1,845	1,739	1,659	1,627
Critical Water Years (34%)	1,263	1,271	1,302	1,557	1,582	1,620	1,616	1,579	1,499	1,404	1,327	1,293

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-5c. New Melones Reservoir Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	16	25	36	55	0	0
20% Exceedance	26	31	0	0	0	0	4	1	11	25	27	23
30% Exceedance	31	4	25	11	0	0	24	30	16	20	6	21
40% Exceedance	17	5	14	21	-1	4	10	-7	-12	5	9	9
50% Exceedance	1	2	19	13	17	15	14	-2	-3	3	5	-4
60% Exceedance	13	10	11	12	5	32	9	12	26	16	1	10
70% Exceedance	27	27	41	19	-16	23	2	40	24	27	23	23
80% Exceedance	57	64	43	70	26	19	29	31	49	52	57	51
90% Exceedance	-54	-56	21	5	-23	-30	-28	5	-9	-24	-39	-27
Full Simulation Period Average[a]	10	10	8	10	6	6	11	13	14	13	10	10
Wet Water Years (22%)	8	7	3	4	4	4	5	4	14	16	9	8
Above Normal Water Years (12%)	-4	-4	-5	-6	-10	-10	-4	-4	-4	-4	-4	-4
Below Normal Water Years (15%)	30	29	24	7	3	3	20	28	30	30	30	29
Dry Water Years (17%)	22	22	17	10	4	4	12	20	20	20	20	20
Critical Water Years (34%)	3	3	3	20	15	16	16	16	11	7	3	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-6a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-6b. New Melones Reservoir Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,110	2,181	2,233	2,163	2,092	2,000
20% Exceedance	1,855	1,883	1,968	1,970	1,970	2,030	2,061	2,094	2,048	1,969	1,911	1,880
30% Exceedance	1,754	1,769	1,853	1,922	1,970	2,016	2,038	2,020	1,961	1,870	1,787	1,765
40% Exceedance	1,677	1,700	1,753	1,815	1,906	1,974	1,988	1,953	1,884	1,789	1,713	1,686
50% Exceedance	1,588	1,611	1,677	1,766	1,820	1,894	1,917	1,888	1,835	1,726	1,651	1,613
60% Exceedance	1,513	1,547	1,573	1,618	1,689	1,765	1,760	1,759	1,736	1,645	1,570	1,538
70% Exceedance	1,386	1,416	1,479	1,538	1,571	1,597	1,654	1,675	1,600	1,519	1,453	1,414
80% Exceedance	1,219	1,240	1,316	1,332	1,400	1,438	1,498	1,515	1,445	1,359	1,293	1,255
90% Exceedance	1,009	1,009	1,042	1,053	1,124	1,260	1,260	1,255	1,256	1,165	1,085	1,048
Full Simulation Period Average[a]	1,522	1,542	1,579	1,629	1,677	1,740	1,777	1,794	1,750	1,664	1,586	1,545
Wet Water Years (22%)	1,844	1,852	1,868	1,736	1,798	1,887	1,982	2,077	2,106	2,049	1,948	1,874
Above Normal Water Years (12%)	1,590	1,612	1,665	1,628	1,688	1,770	1,829	1,873	1,836	1,738	1,664	1,630
Below Normal Water Years (15%)	1,598	1,628	1,658	1,659	1,724	1,794	1,848	1,887	1,832	1,728	1,650	1,621
Dry Water Years (17%)	1,541	1,591	1,658	1,704	1,745	1,808	1,826	1,812	1,740	1,648	1,578	1,550
Critical Water Years (34%)	1,236	1,244	1,277	1,511	1,540	1,576	1,571	1,533	1,458	1,370	1,300	1,267

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-6c. New Melones Reservoir Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-52	-61	-87	-62	-38	0
20% Exceedance	-35	-45	-2	0	0	0	-51	-70	-93	-58	-37	-40
30% Exceedance	-17	-47	-19	-31	0	-14	-24	-60	-64	-40	-49	-33
40% Exceedance	-33	-48	-26	-23	-64	-52	-48	-60	-78	-70	-57	-52
50% Exceedance	-42	-45	-39	-12	-43	-65	-64	-69	-41	-48	-37	-45
60% Exceedance	-40	-27	-42	-70	-105	-93	-113	-102	-48	-47	-48	-43
70% Exceedance	-86	-68	-18	-28	-86	-134	-107	-78	-107	-82	-75	-82
80% Exceedance	-68	-63	-28	-48	-45	-52	8	-89	-94	-77	-59	-68
90% Exceedance	-36	-40	2	-40	-67	-41	-77	-50	-12	-6	-1	-1
Full Simulation Period Average[a]	-31	-30	-24	-21	-32	-40	-52	-55	-59	-49	-36	-31
Wet Water Years (22%)	4	6	17	33	3	-13	-32	-40	-66	-50	-11	2
Above Normal Water Years (12%)	-33	-31	-24	-64	-62	-62	-62	-65	-62	-50	-42	-35
Below Normal Water Years (15%)	-66	-64	-62	-61	-77	-78	-87	-84	-82	-74	-69	-68
Dry Water Years (17%)	-54	-54	-47	-15	-28	-50	-84	-92	-85	-71	-61	-57
Critical Water Years (34%)	-24	-24	-22	-27	-27	-28	-29	-31	-30	-27	-25	-23

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-7a. New Melones Reservoir Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,161	2,242	2,321	2,225	2,130	2,000
20% Exceedance	1,890	1,927	1,970	1,970	1,970	2,030	2,113	2,164	2,141	2,027	1,949	1,920
30% Exceedance	1,770	1,817	1,872	1,953	1,970	2,030	2,062	2,080	2,025	1,909	1,836	1,798
40% Exceedance	1,710	1,748	1,779	1,838	1,970	2,026	2,036	2,013	1,962	1,859	1,770	1,738
50% Exceedance	1,630	1,656	1,716	1,777	1,864	1,958	1,982	1,956	1,876	1,774	1,688	1,658
60% Exceedance	1,553	1,574	1,615	1,688	1,794	1,858	1,874	1,860	1,785	1,692	1,618	1,580
70% Exceedance	1,472	1,483	1,497	1,566	1,657	1,731	1,761	1,753	1,707	1,601	1,528	1,496
80% Exceedance	1,287	1,303	1,344	1,380	1,445	1,490	1,491	1,604	1,539	1,436	1,353	1,323
90% Exceedance	1,045	1,049	1,040	1,093	1,191	1,301	1,337	1,305	1,268	1,171	1,087	1,049
Full Simulation Period Average[a]	1,552	1,572	1,603	1,651	1,709	1,780	1,829	1,849	1,809	1,714	1,623	1,577
Wet Water Years (22%)	1,840	1,846	1,851	1,703	1,795	1,900	2,014	2,117	2,172	2,099	1,959	1,871
Above Normal Water Years (12%)	1,623	1,643	1,689	1,693	1,750	1,832	1,891	1,939	1,898	1,789	1,706	1,665
Below Normal Water Years (15%)	1,664	1,692	1,719	1,720	1,802	1,872	1,934	1,971	1,913	1,802	1,720	1,688
Dry Water Years (17%)	1,595	1,645	1,705	1,719	1,773	1,858	1,909	1,904	1,825	1,719	1,639	1,607
Critical Water Years (34%)	1,260	1,268	1,300	1,537	1,566	1,604	1,600	1,564	1,488	1,397	1,325	1,291

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-7b. New Melones Reservoir Storage, Alternative 4, End-of-Month Storage (TAF)

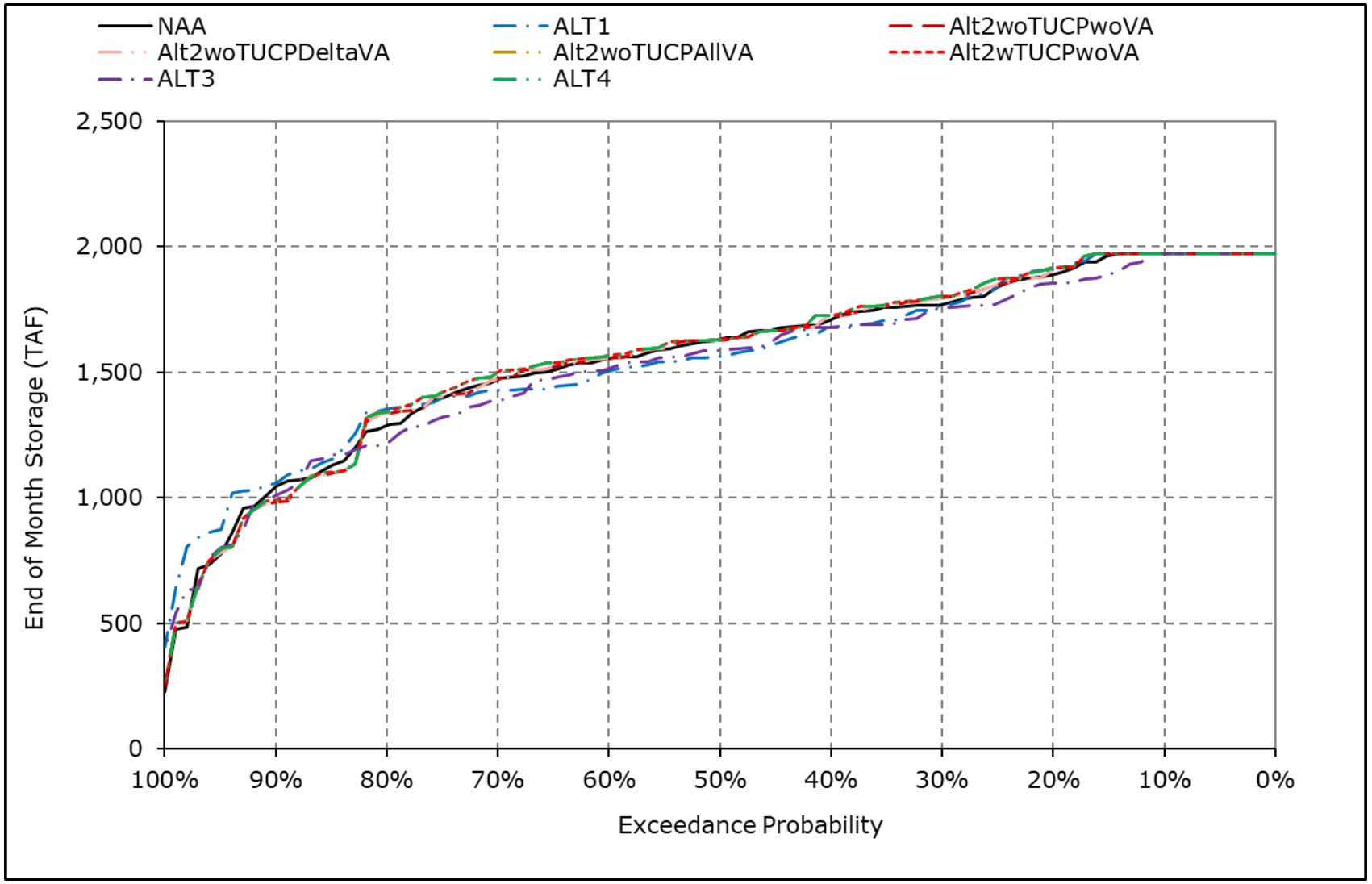
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,177	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,916	1,958	1,970	1,970	1,970	2,030	2,117	2,165	2,152	2,052	1,976	1,943
30% Exceedance	1,801	1,821	1,898	1,964	1,970	2,030	2,086	2,110	2,040	1,929	1,842	1,819
40% Exceedance	1,726	1,753	1,793	1,858	1,969	2,030	2,046	2,006	1,950	1,864	1,779	1,747
50% Exceedance	1,631	1,657	1,734	1,790	1,881	1,973	1,995	1,954	1,873	1,777	1,694	1,654
60% Exceedance	1,566	1,583	1,627	1,700	1,799	1,890	1,882	1,872	1,810	1,708	1,620	1,591
70% Exceedance	1,499	1,511	1,538	1,585	1,641	1,755	1,763	1,794	1,731	1,628	1,551	1,518
80% Exceedance	1,344	1,367	1,387	1,450	1,470	1,509	1,520	1,635	1,588	1,488	1,409	1,374
90% Exceedance	990	993	1,061	1,098	1,168	1,271	1,308	1,309	1,259	1,147	1,048	1,022
Full Simulation Period Average[a]	1,563	1,582	1,611	1,660	1,715	1,786	1,840	1,863	1,823	1,727	1,633	1,587
Wet Water Years (22%)	1,847	1,853	1,855	1,707	1,799	1,904	2,019	2,121	2,186	2,114	1,967	1,879
Above Normal Water Years (12%)	1,619	1,639	1,684	1,687	1,740	1,822	1,887	1,934	1,894	1,785	1,702	1,661
Below Normal Water Years (15%)	1,694	1,721	1,743	1,727	1,805	1,874	1,955	1,999	1,943	1,832	1,749	1,717
Dry Water Years (17%)	1,617	1,667	1,722	1,729	1,777	1,862	1,922	1,924	1,845	1,739	1,659	1,627
Critical Water Years (34%)	1,263	1,271	1,302	1,557	1,582	1,620	1,616	1,579	1,499	1,404	1,327	1,293

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-13-7c. New Melones Reservoir Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

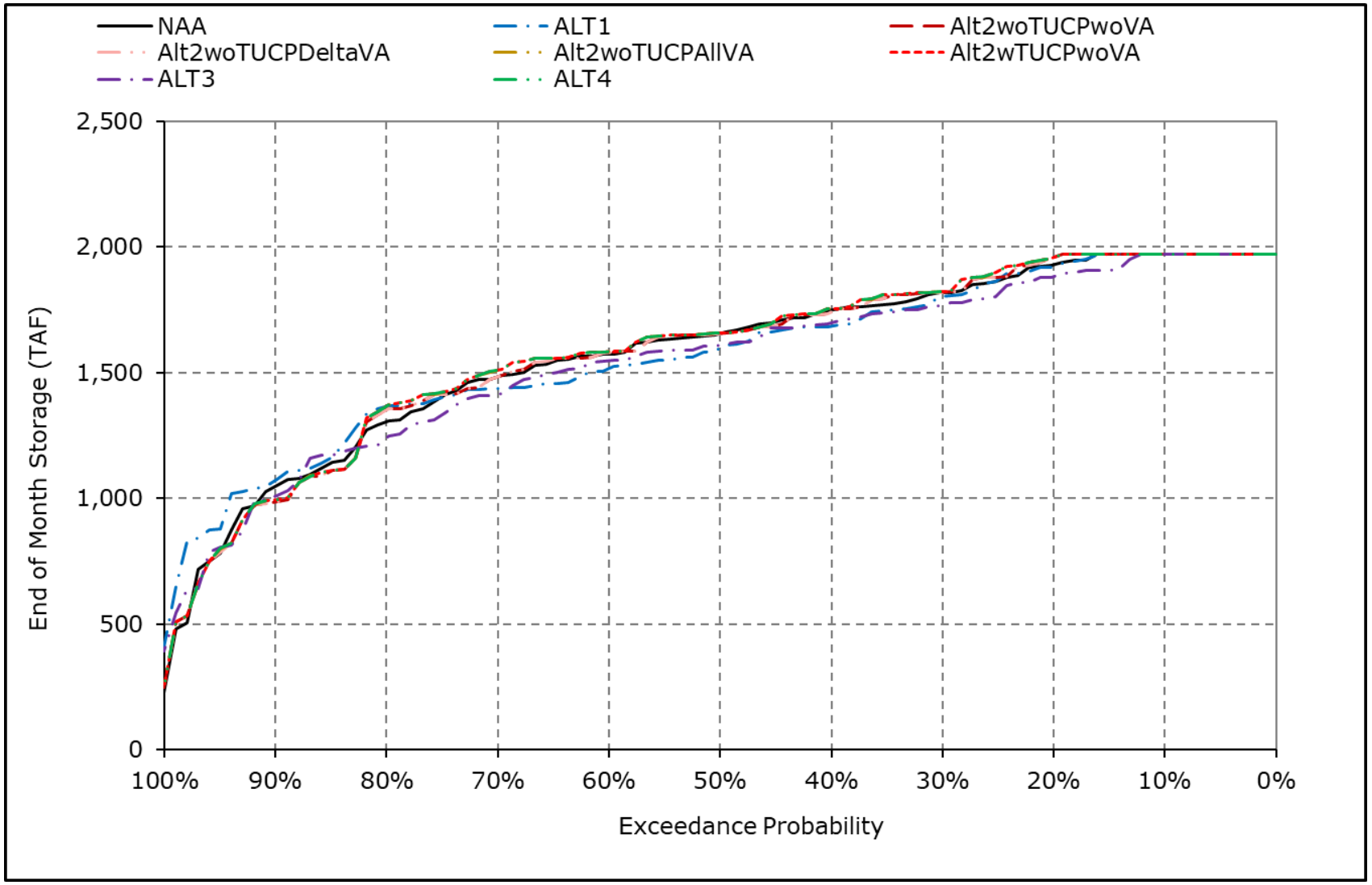
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	16	25	36	55	0	0
20% Exceedance	26	31	0	0	0	0	4	1	11	25	27	23
30% Exceedance	31	4	25	11	0	0	24	30	16	20	6	21
40% Exceedance	17	5	14	21	-1	4	10	-7	-12	5	9	9
50% Exceedance	1	2	19	13	17	15	14	-2	-3	3	5	-4
60% Exceedance	13	10	11	12	5	32	9	12	26	16	1	10
70% Exceedance	27	27	41	19	-16	23	2	40	24	27	23	23
80% Exceedance	57	64	43	70	26	19	29	31	49	52	57	51
90% Exceedance	-54	-56	21	5	-23	-30	-28	5	-9	-24	-39	-27
Full Simulation Period Average[a]	10	10	8	10	6	6	11	13	14	13	10	10
Wet Water Years (22%)	8	7	3	4	4	4	5	4	14	16	9	8
Above Normal Water Years (12%)	-4	-4	-5	-6	-10	-10	-4	-4	-4	-4	-4	-4
Below Normal Water Years (15%)	30	29	24	7	3	3	20	28	30	30	30	29
Dry Water Years (17%)	22	22	17	10	4	4	12	20	20	20	20	20
Critical Water Years (34%)	3	3	3	20	15	16	16	16	11	7	3	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



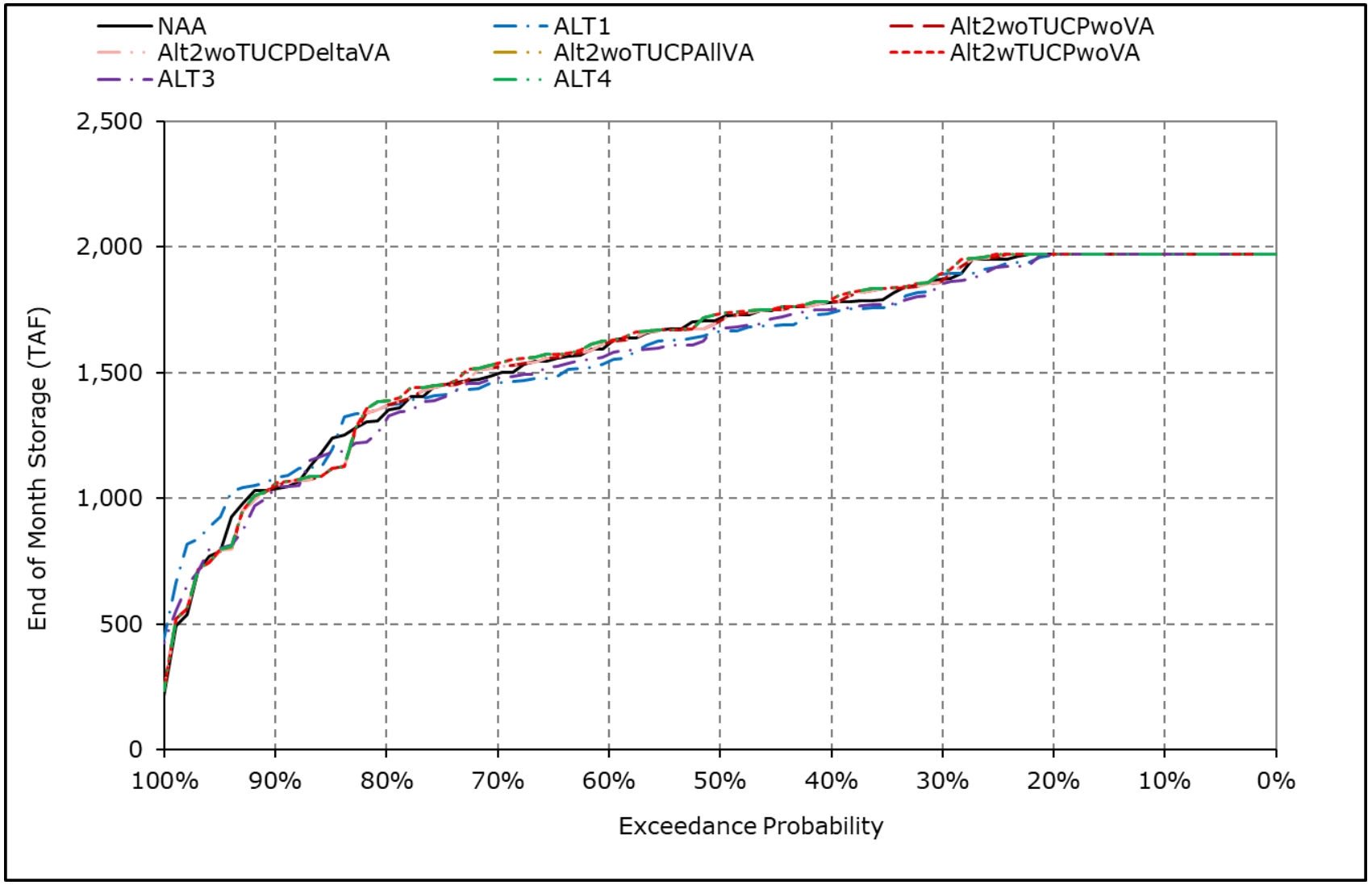
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-1. New Melones Reservoir Storage , October



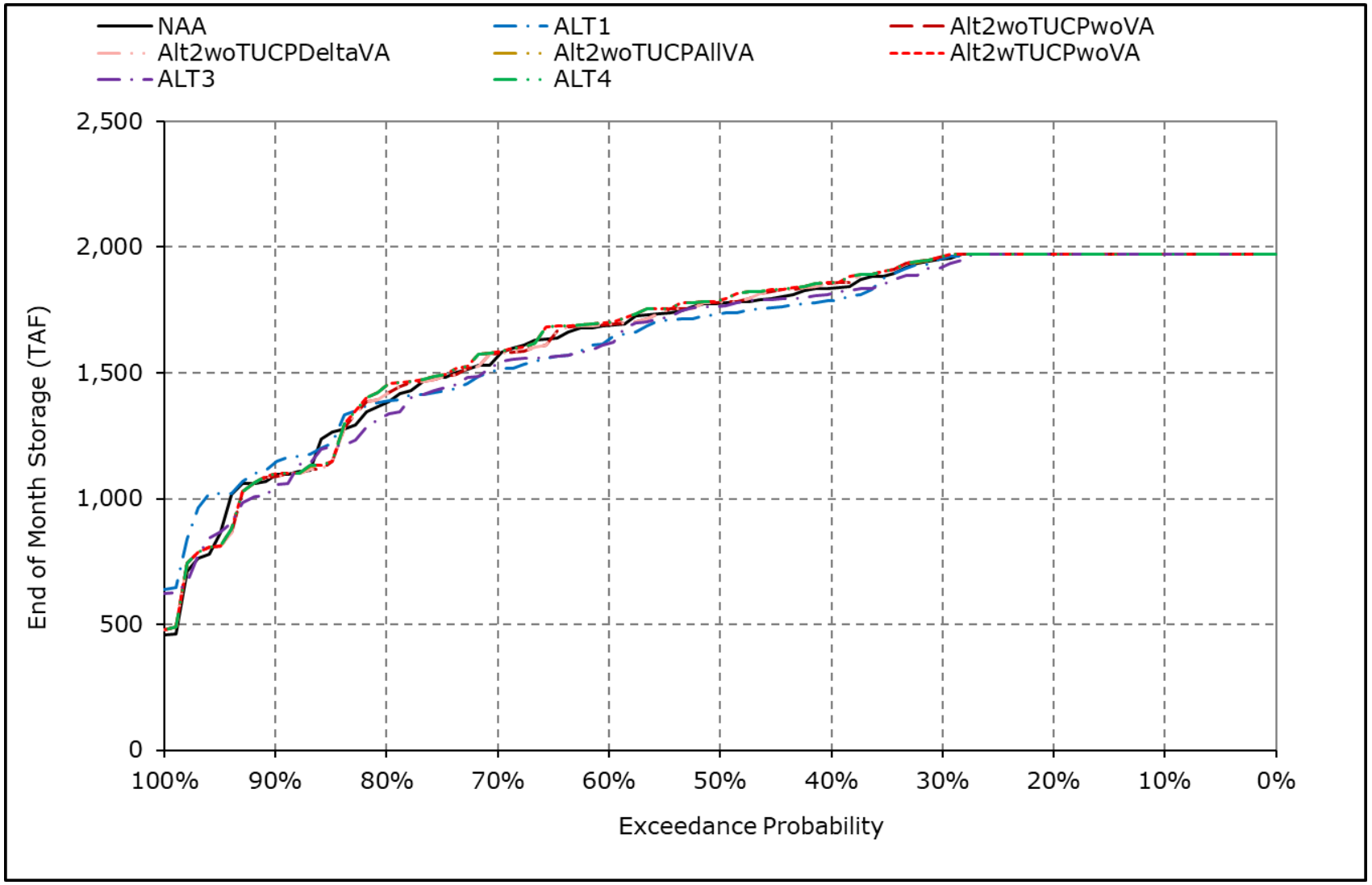
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-2. New Melones Reservoir Storage , November



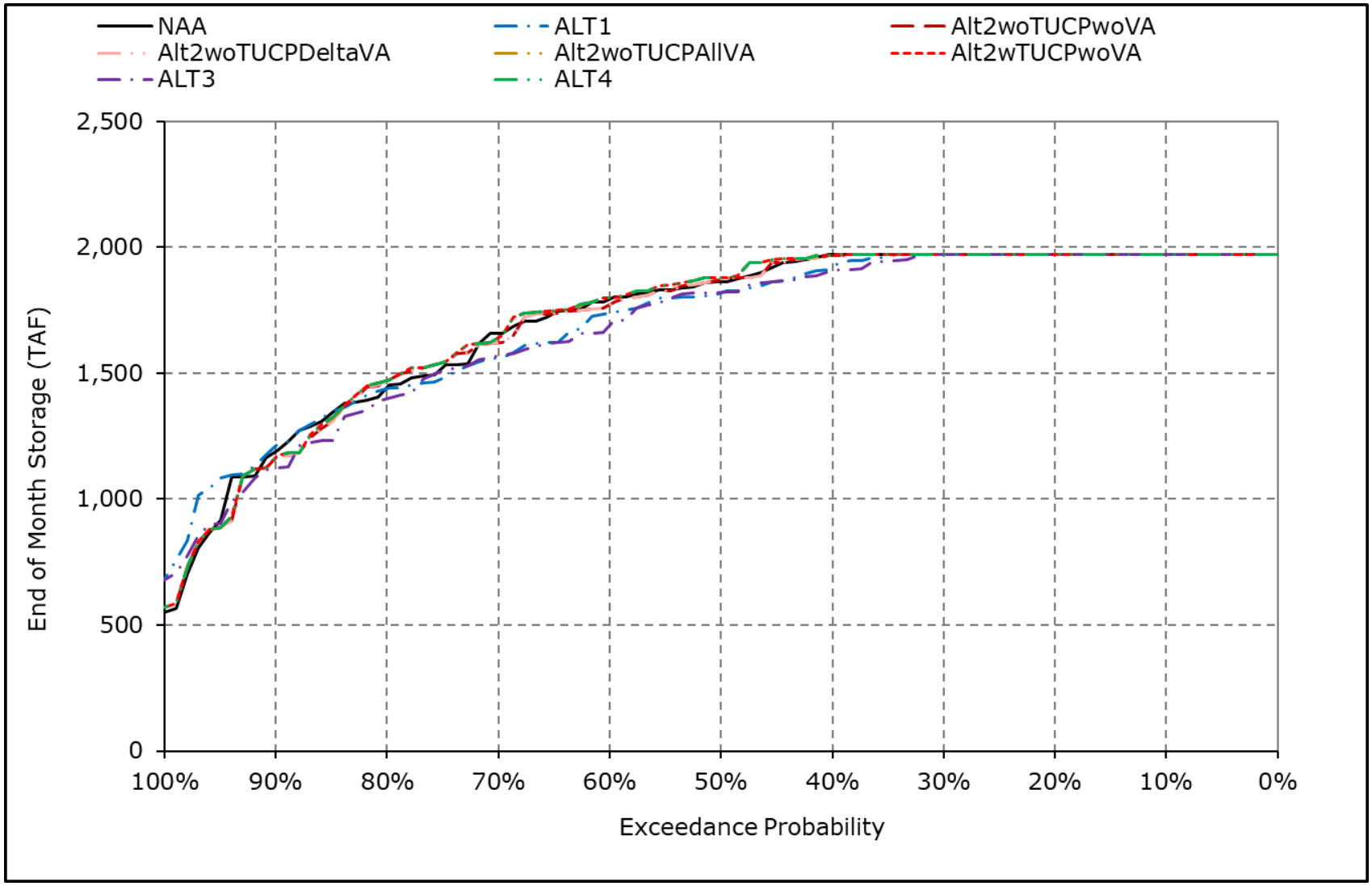
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-3. New Melones Reservoir Storage , December



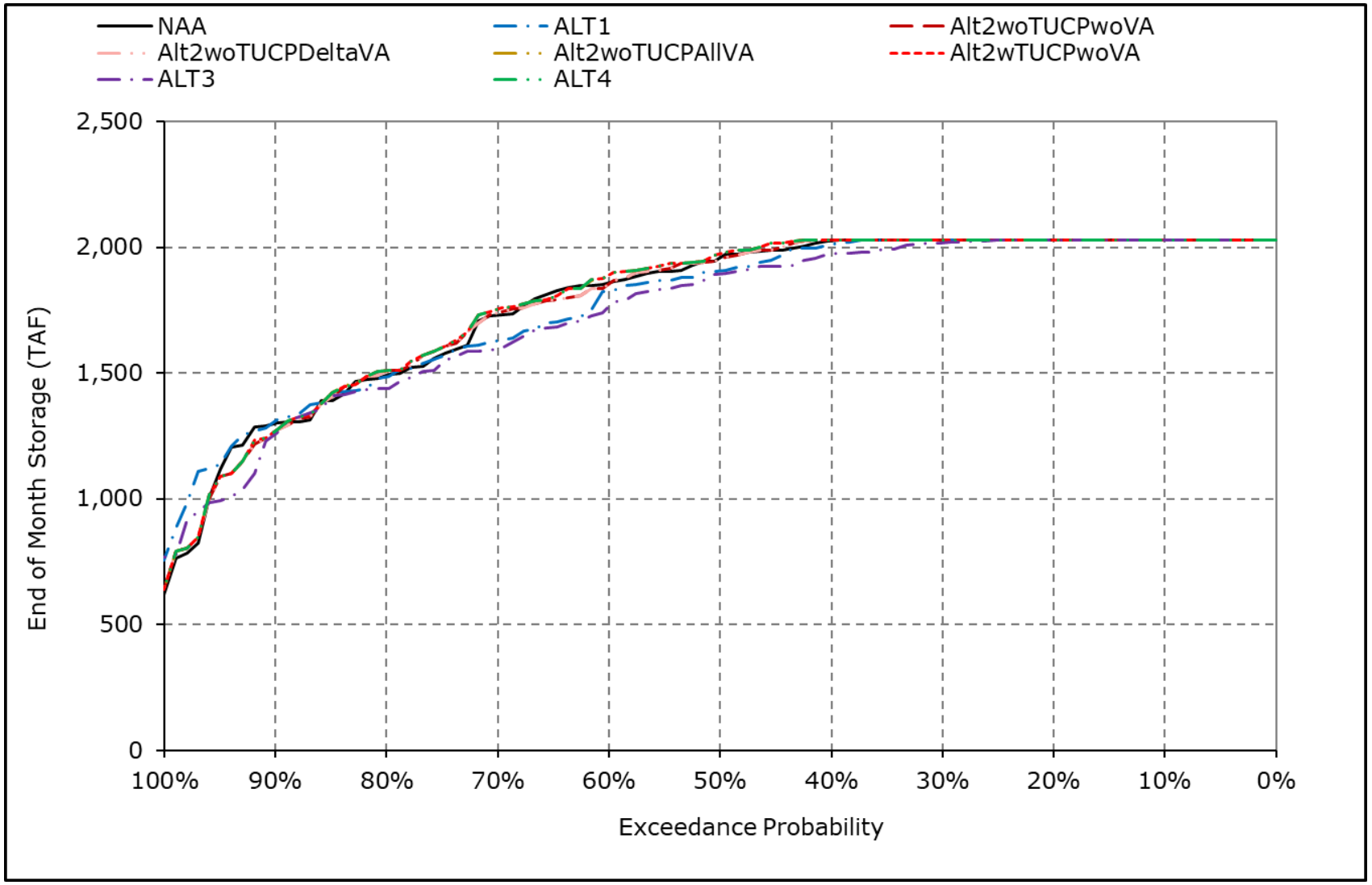
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-4. New Melones Reservoir Storage , January



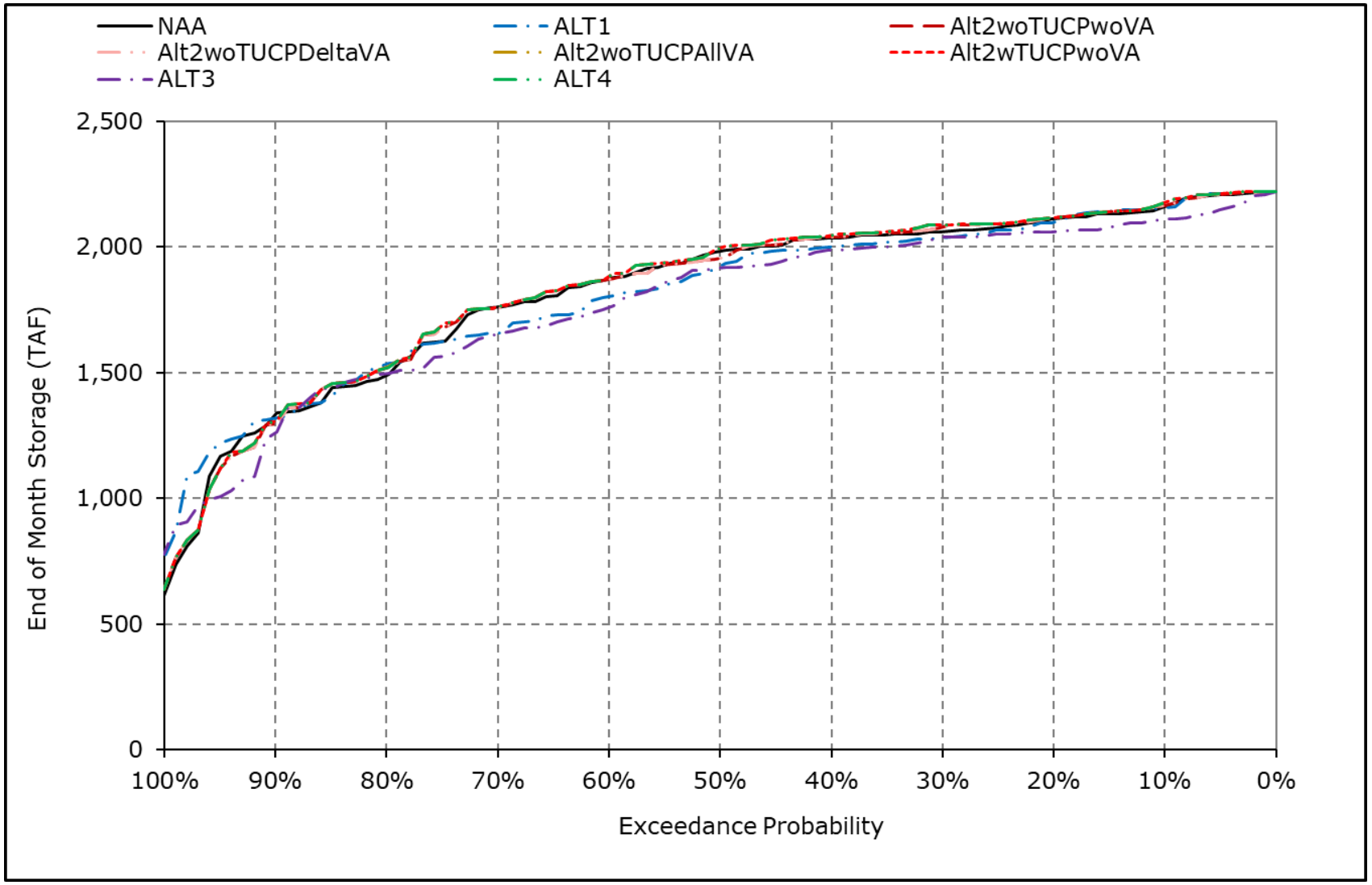
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-5. New Melones Reservoir Storage , February



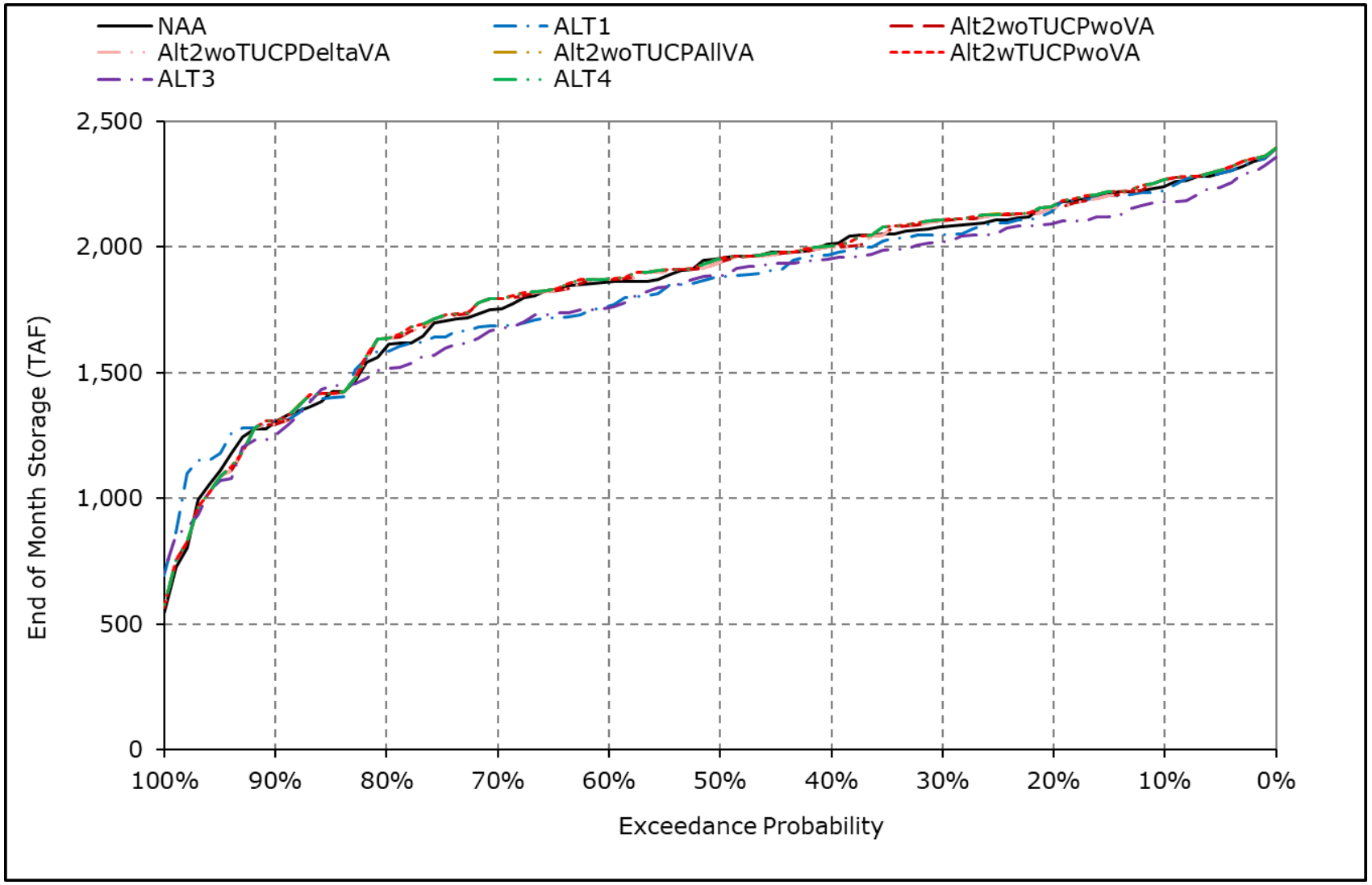
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-6. New Melones Reservoir Storage , March



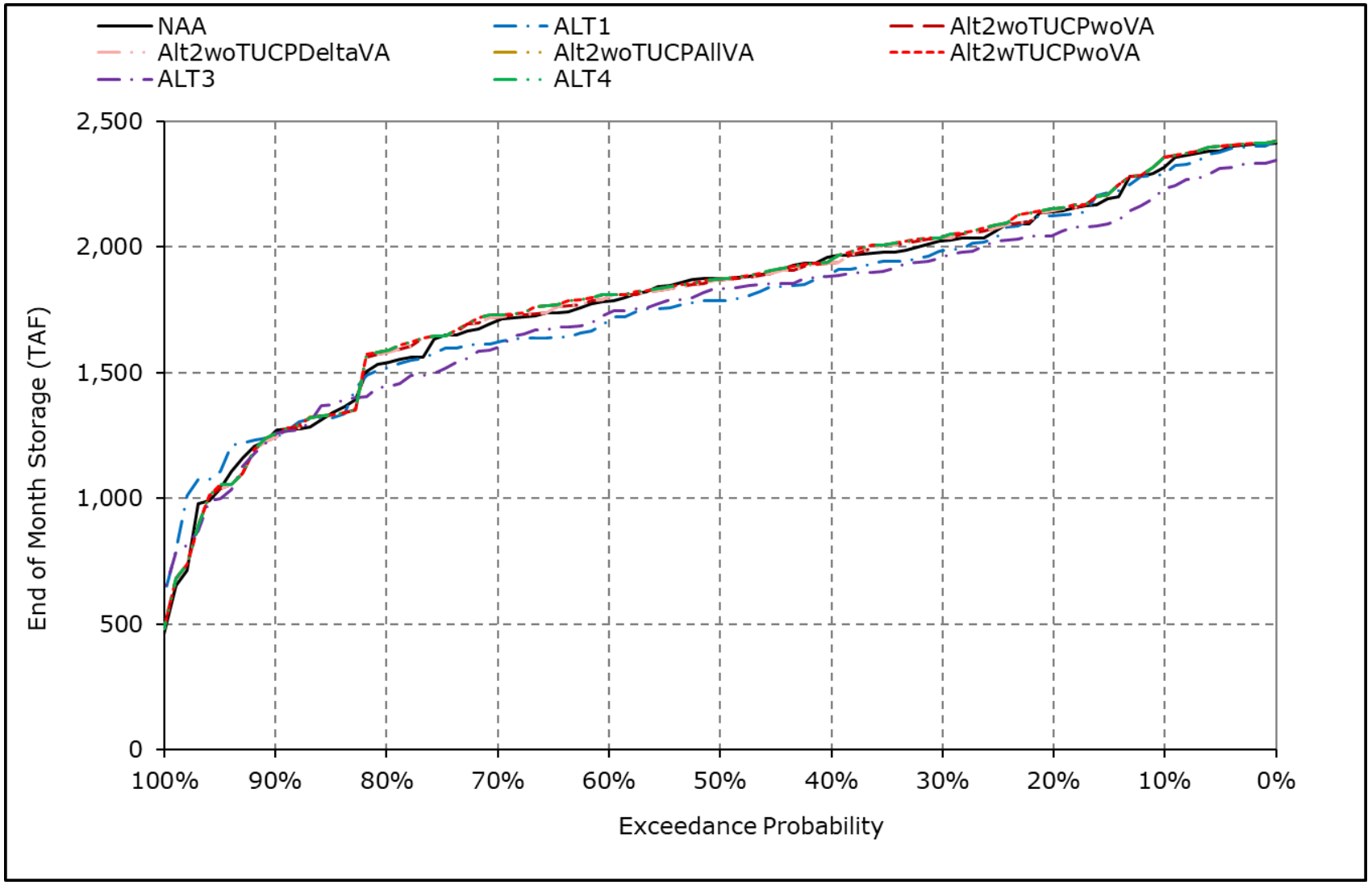
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-7. New Melones Reservoir Storage , April



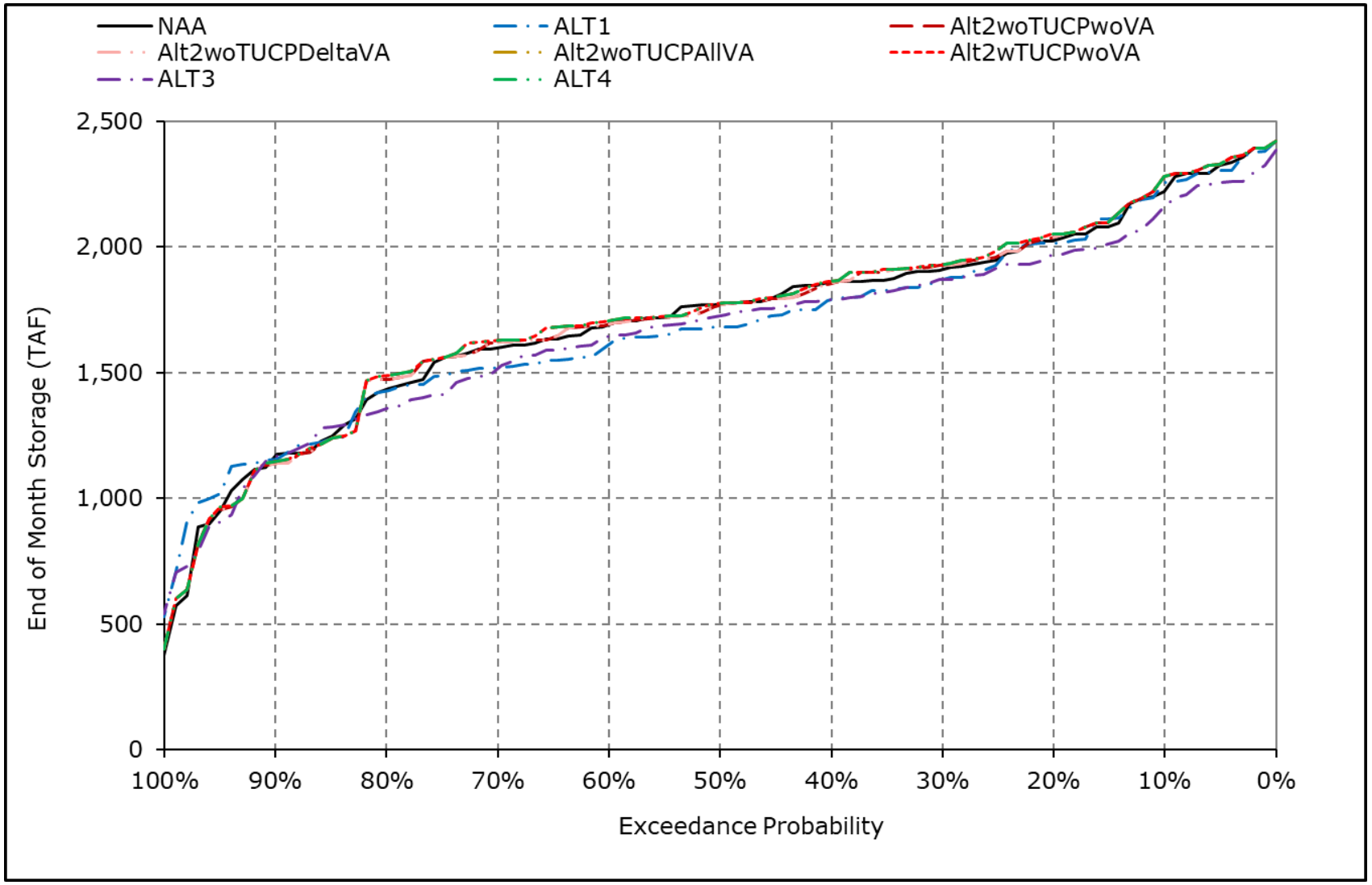
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-8. New Melones Reservoir Storage , May



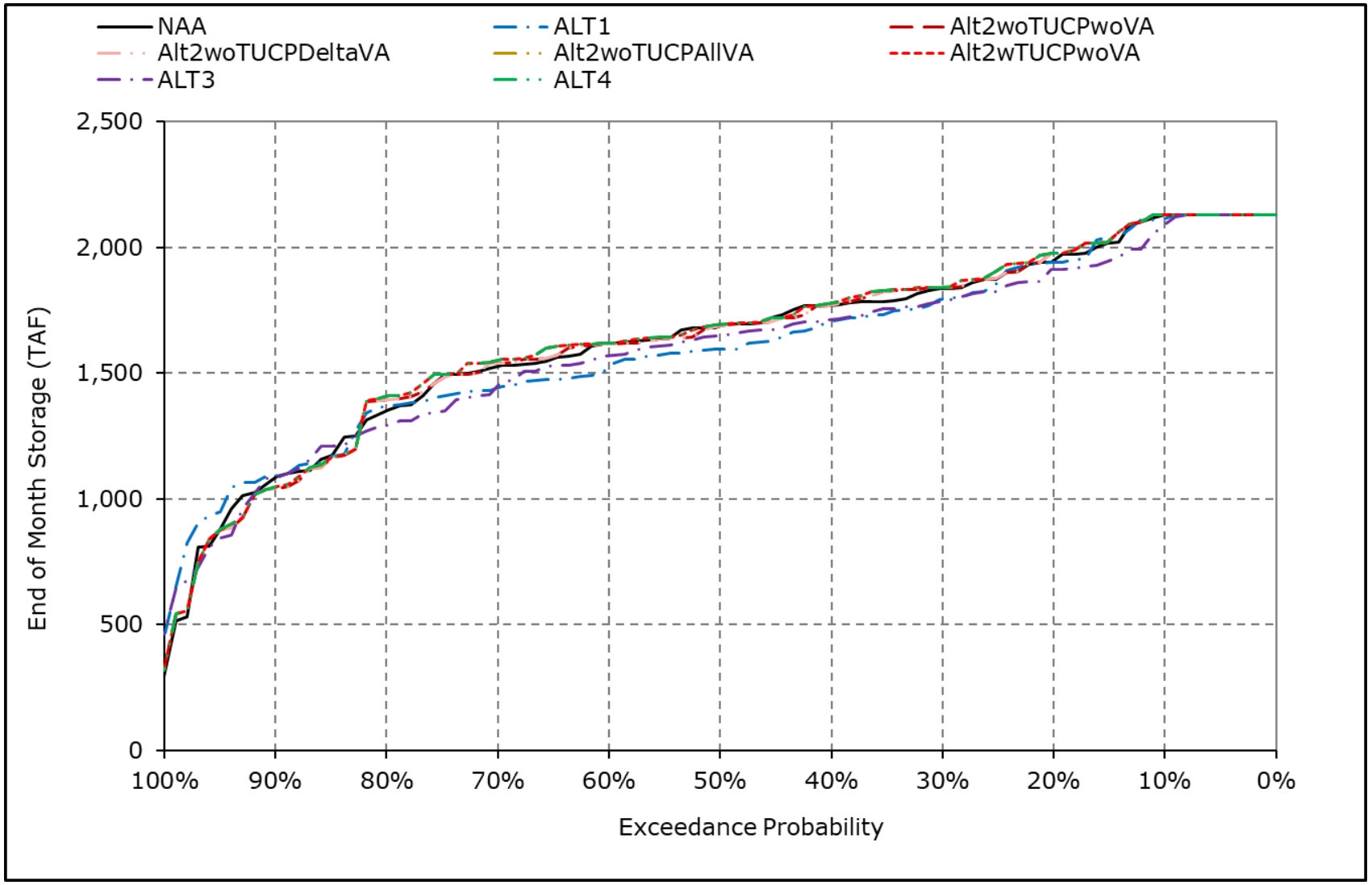
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-9. New Melones Reservoir Storage , June



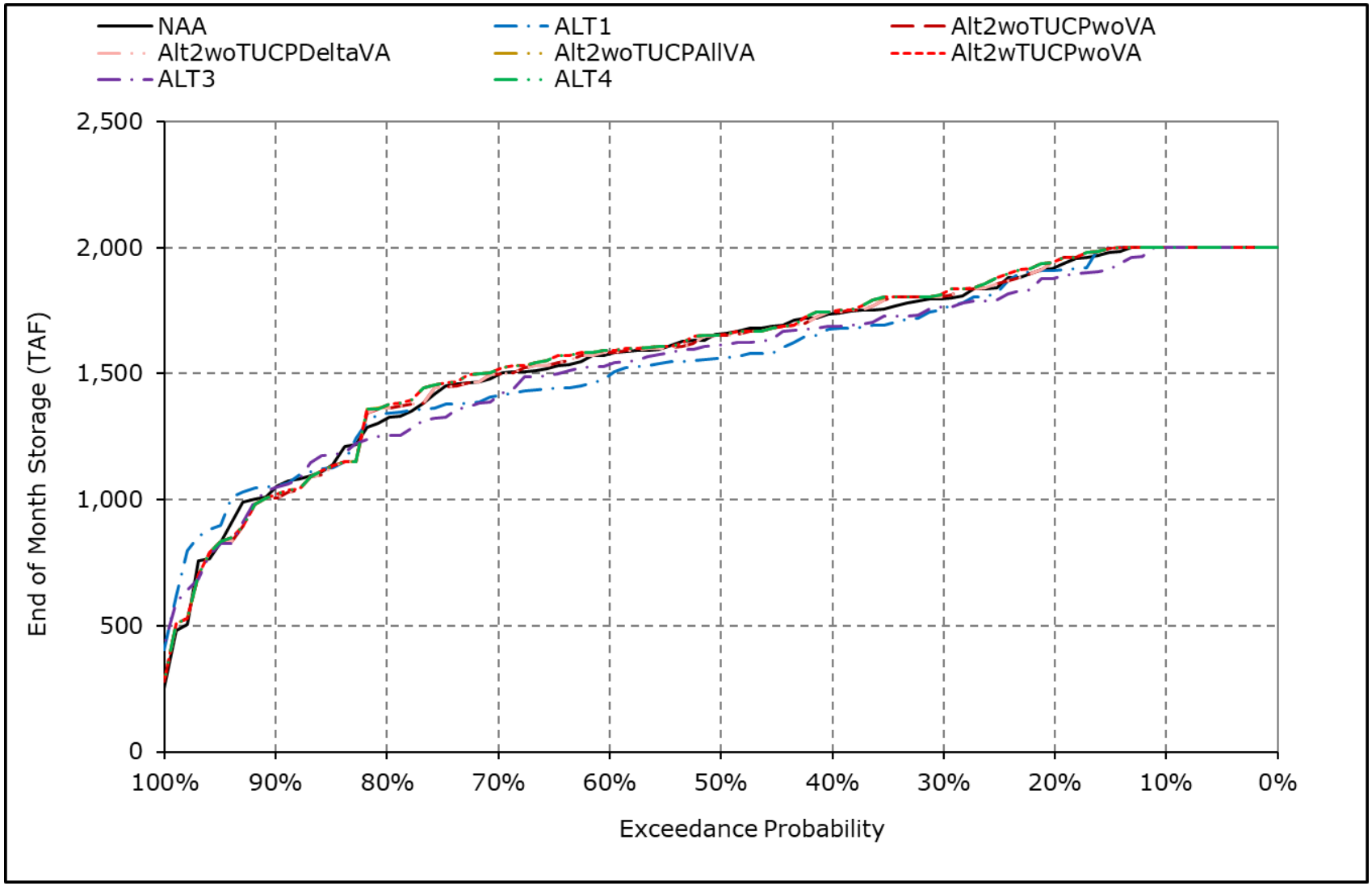
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-10. New Melones Reservoir Storage , July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-11. New Melones Reservoir Storage , August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-12. New Melones Reservoir Storage , September

Table F.2.1-14-1a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-1b. New Melones Reservoir Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,065	1,071	1,077	1,074	1,062	1,052
20% Exceedance	1,043	1,045	1,049	1,050	1,050	1,055	1,061	1,065	1,063	1,054	1,047	1,044
30% Exceedance	1,029	1,033	1,042	1,048	1,050	1,055	1,055	1,056	1,051	1,039	1,032	1,028
40% Exceedance	1,020	1,021	1,026	1,031	1,045	1,053	1,052	1,050	1,042	1,031	1,023	1,020
50% Exceedance	1,008	1,012	1,019	1,026	1,034	1,043	1,045	1,040	1,031	1,020	1,012	1,008
60% Exceedance	1,003	1,004	1,007	1,016	1,026	1,035	1,033	1,029	1,023	1,014	1,005	1,002
70% Exceedance	995	996	998	1,004	1,008	1,015	1,018	1,021	1,015	1,004	996	993
80% Exceedance	986	988	988	991	996	1,001	1,006	1,011	1,004	995	988	984
90% Exceedance	948	949	950	959	968	981	982	980	972	960	952	947
Full Simulation Period Average[a]	1,005	1,006	1,009	1,015	1,020	1,028	1,032	1,033	1,028	1,018	1,009	1,004
Wet Water Years (22%)	1,040	1,041	1,041	1,022	1,031	1,043	1,054	1,064	1,069	1,062	1,050	1,042
Above Normal Water Years (12%)	1,018	1,020	1,024	1,023	1,029	1,037	1,044	1,048	1,042	1,031	1,023	1,019
Below Normal Water Years (15%)	1,018	1,021	1,023	1,018	1,028	1,035	1,042	1,046	1,040	1,029	1,021	1,018
Dry Water Years (17%)	1,004	1,009	1,015	1,019	1,024	1,033	1,036	1,033	1,025	1,014	1,006	1,002
Critical Water Years (34%)	969	970	973	1,003	1,005	1,010	1,008	1,002	993	983	974	970

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-1c. New Melones Reservoir Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	-1	-3	3	-1	0
20% Exceedance	2	-1	0	0	0	0	-1	-1	-1	-1	-1	-1
30% Exceedance	-1	-1	2	0	0	0	-2	-3	-3	-4	-4	-4
40% Exceedance	-3	-6	-4	-5	-5	-1	-3	-4	-7	-7	-6	-6
50% Exceedance	-7	-6	-5	-4	-4	-5	-6	-8	-9	-9	-9	-10
60% Exceedance	-5	-6	-7	-5	-5	-3	-7	-10	-8	-8	-9	-9
70% Exceedance	-4	-5	-4	-5	-10	-10	-11	-7	-8	-8	-9	-8
80% Exceedance	9	8	3	1	-1	0	5	-2	-2	-1	2	2
90% Exceedance	2	3	5	7	3	1	-2	1	-3	-2	1	0
Full Simulation Period Average[a]	1	1	0	0	0	0	-1	-1	-2	-2	-2	-2
Wet Water Years (22%)	5	5	4	3	2	2	3	4	3	3	4	4
Above Normal Water Years (12%)	5	4	4	4	3	2	4	3	2	1	2	2
Below Normal Water Years (15%)	1	0	0	-4	-4	-3	-2	-1	-2	-3	-2	-3
Dry Water Years (17%)	-7	-8	-8	-4	-5	-5	-7	-9	-10	-10	-10	-10
Critical Water Years (34%)	2	2	1	1	1	0	-1	-3	-3	-2	-2	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-2a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-2b. New Melones Reservoir Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,043	1,048	1,050	1,050	1,050	1,055	1,062	1,065	1,064	1,055	1,050	1,047
30% Exceedance	1,032	1,034	1,039	1,049	1,050	1,055	1,059	1,061	1,055	1,045	1,037	1,033
40% Exceedance	1,025	1,027	1,031	1,038	1,049	1,055	1,055	1,052	1,046	1,038	1,030	1,027
50% Exceedance	1,015	1,018	1,023	1,030	1,040	1,048	1,048	1,047	1,039	1,029	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,022	1,030	1,038	1,040	1,039	1,033	1,022	1,014	1,011
70% Exceedance	999	1,001	1,004	1,010	1,014	1,026	1,028	1,032	1,025	1,014	1,006	1,002
80% Exceedance	984	986	988	994	999	1,003	1,004	1,016	1,010	999	991	987
90% Exceedance	938	938	946	952	961	975	979	978	972	958	946	941
Full Simulation Period Average[a]	1,003	1,005	1,009	1,015	1,021	1,028	1,033	1,035	1,031	1,021	1,011	1,006
Wet Water Years (22%)	1,036	1,037	1,037	1,019	1,029	1,041	1,052	1,061	1,067	1,060	1,047	1,039
Above Normal Water Years (12%)	1,013	1,015	1,019	1,018	1,025	1,033	1,039	1,044	1,040	1,029	1,021	1,017
Below Normal Water Years (15%)	1,020	1,023	1,025	1,022	1,031	1,038	1,046	1,050	1,045	1,034	1,026	1,023
Dry Water Years (17%)	1,012	1,017	1,023	1,023	1,028	1,037	1,042	1,043	1,035	1,024	1,016	1,013
Critical Water Years (34%)	966	967	971	1,003	1,006	1,010	1,009	1,005	996	984	975	970

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-2c. New Melones Reservoir Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	2	3	5	0	0
20% Exceedance	1	3	0	0	0	0	0	-1	0	1	3	2
30% Exceedance	3	0	0	1	0	0	1	2	1	2	1	1
40% Exceedance	1	-1	0	2	0	0	0	-1	-3	0	0	0
50% Exceedance	0	0	-1	0	1	-1	-2	-2	-1	-1	0	-1
60% Exceedance	0	1	0	0	-2	0	0	1	2	0	0	0
70% Exceedance	0	0	2	1	-4	1	0	4	1	2	1	0
80% Exceedance	6	6	3	4	2	2	3	3	4	4	6	5
90% Exceedance	-8	-8	1	0	-4	-4	-5	-1	-3	-4	-6	-5
Full Simulation Period Average[a]	0	0	0	0	0	0	0	1	1	0	0	0
Wet Water Years (22%)	1	1	0	0	0	0	0	0	1	1	1	1
Above Normal Water Years (12%)	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Below Normal Water Years (15%)	3	3	2	-1	-1	0	2	2	2	2	3	3
Dry Water Years (17%)	1	1	0	-1	-1	-1	0	0	0	0	0	0
Critical Water Years (34%)	-2	-2	-2	1	1	1	1	1	0	-1	-2	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-3a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-3b. New Melones Reservoir Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,043	1,048	1,050	1,050	1,050	1,055	1,062	1,065	1,065	1,055	1,050	1,047
30% Exceedance	1,032	1,034	1,039	1,049	1,050	1,055	1,059	1,061	1,055	1,045	1,037	1,033
40% Exceedance	1,025	1,027	1,031	1,038	1,049	1,055	1,055	1,052	1,046	1,038	1,030	1,027
50% Exceedance	1,015	1,018	1,023	1,030	1,040	1,048	1,048	1,047	1,039	1,029	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,022	1,030	1,038	1,040	1,039	1,033	1,022	1,014	1,011
70% Exceedance	999	1,001	1,004	1,010	1,014	1,026	1,028	1,032	1,025	1,014	1,006	1,002
80% Exceedance	984	986	988	994	999	1,003	1,004	1,016	1,010	999	992	987
90% Exceedance	938	938	946	952	961	975	979	978	972	958	946	941
Full Simulation Period Average[a]	1,003	1,005	1,009	1,015	1,021	1,028	1,033	1,035	1,031	1,021	1,011	1,006
Wet Water Years (22%)	1,036	1,037	1,037	1,019	1,029	1,041	1,052	1,061	1,067	1,060	1,047	1,039
Above Normal Water Years (12%)	1,013	1,015	1,019	1,018	1,025	1,033	1,039	1,044	1,040	1,029	1,021	1,017
Below Normal Water Years (15%)	1,020	1,023	1,025	1,022	1,031	1,038	1,046	1,050	1,045	1,034	1,026	1,023
Dry Water Years (17%)	1,012	1,017	1,023	1,023	1,028	1,037	1,042	1,043	1,035	1,024	1,016	1,013
Critical Water Years (34%)	966	967	971	1,003	1,006	1,010	1,009	1,005	996	984	975	970

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-3c. New Melones Reservoir Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	2	3	5	0	0
20% Exceedance	1	3	0	0	0	0	0	-1	0	1	3	2
30% Exceedance	3	0	0	1	0	0	1	2	1	2	1	1
40% Exceedance	1	-1	0	2	0	0	0	-1	-3	0	0	0
50% Exceedance	0	0	-1	0	1	-1	-2	-2	-1	-1	0	-1
60% Exceedance	0	1	0	0	-2	0	0	1	2	0	0	0
70% Exceedance	0	0	2	1	-4	1	0	4	1	2	1	0
80% Exceedance	7	6	3	4	2	2	3	3	4	4	6	5
90% Exceedance	-8	-8	1	0	-4	-4	-5	-1	-3	-4	-6	-5
Full Simulation Period Average[a]	0	0	0	0	0	0	0	1	1	0	0	0
Wet Water Years (22%)	1	1	0	0	0	0	0	0	1	1	1	1
Above Normal Water Years (12%)	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Below Normal Water Years (15%)	3	3	2	-1	-1	0	2	2	2	3	3	3
Dry Water Years (17%)	1	1	0	-1	-1	-1	0	0	0	0	0	0
Critical Water Years (34%)	-2	-2	-2	1	1	1	1	1	0	-1	-2	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-4a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-4b. New Melones Reservoir Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,067	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,044	1,048	1,050	1,050	1,050	1,055	1,062	1,066	1,065	1,057	1,050	1,047
30% Exceedance	1,033	1,035	1,042	1,049	1,050	1,055	1,059	1,061	1,056	1,045	1,037	1,034
40% Exceedance	1,025	1,028	1,032	1,038	1,049	1,055	1,056	1,053	1,048	1,039	1,030	1,027
50% Exceedance	1,015	1,018	1,026	1,031	1,041	1,050	1,052	1,048	1,040	1,030	1,022	1,018
60% Exceedance	1,009	1,011	1,015	1,022	1,032	1,041	1,041	1,040	1,033	1,023	1,014	1,011
70% Exceedance	1,002	1,003	1,006	1,011	1,016	1,028	1,029	1,032	1,025	1,015	1,007	1,004
80% Exceedance	985	988	990	997	999	1,003	1,004	1,016	1,011	1,001	993	989
90% Exceedance	939	939	948	953	962	975	980	980	974	959	946	943
Full Simulation Period Average[a]	1,004	1,006	1,009	1,015	1,022	1,029	1,034	1,036	1,031	1,021	1,012	1,007
Wet Water Years (22%)	1,036	1,037	1,037	1,019	1,029	1,041	1,052	1,061	1,067	1,060	1,047	1,039
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,025	1,033	1,040	1,044	1,040	1,030	1,021	1,017
Below Normal Water Years (15%)	1,021	1,024	1,026	1,023	1,032	1,039	1,046	1,051	1,045	1,035	1,027	1,023
Dry Water Years (17%)	1,013	1,018	1,024	1,024	1,029	1,038	1,044	1,044	1,036	1,025	1,017	1,014
Critical Water Years (34%)	967	968	972	1,004	1,007	1,011	1,010	1,006	997	986	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-4c. New Melones Reservoir Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	1	2	3	5	0	0
20% Exceedance	3	3	0	0	0	0	0	0	1	2	3	2
30% Exceedance	3	0	2	1	0	0	2	3	1	2	1	2
40% Exceedance	2	0	1	2	0	0	1	-1	-1	1	1	1
50% Exceedance	0	0	2	1	2	1	1	0	0	0	1	0
60% Exceedance	1	1	1	1	0	3	1	1	3	2	0	1
70% Exceedance	3	3	4	2	-2	2	0	4	2	3	2	2
80% Exceedance	7	8	6	8	3	2	3	3	5	5	7	7
90% Exceedance	-7	-7	3	1	-3	-4	-4	1	-1	-3	-5	-4
Full Simulation Period Average[a]	1	1	1	1	1	1	1	1	1	1	1	1
Wet Water Years (22%)	1	1	0	0	0	0	0	0	1	1	1	1
Above Normal Water Years (12%)	0	0	0	0	-1	-1	0	0	0	0	0	0
Below Normal Water Years (15%)	3	3	3	1	0	0	2	3	3	3	3	3
Dry Water Years (17%)	2	2	1	1	0	0	1	2	2	2	2	2
Critical Water Years (34%)	0	0	0	2	2	2	2	2	1	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-5a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-5b. New Melones Reservoir Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,067	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,044	1,048	1,050	1,050	1,050	1,055	1,062	1,066	1,065	1,057	1,050	1,047
30% Exceedance	1,033	1,035	1,042	1,049	1,050	1,055	1,059	1,061	1,056	1,045	1,037	1,034
40% Exceedance	1,025	1,028	1,032	1,038	1,049	1,055	1,056	1,053	1,048	1,039	1,030	1,027
50% Exceedance	1,015	1,018	1,026	1,031	1,041	1,050	1,052	1,048	1,040	1,030	1,022	1,018
60% Exceedance	1,009	1,011	1,015	1,022	1,032	1,041	1,041	1,040	1,033	1,023	1,014	1,011
70% Exceedance	1,002	1,003	1,006	1,011	1,016	1,028	1,029	1,032	1,025	1,015	1,007	1,004
80% Exceedance	985	988	990	997	999	1,003	1,004	1,016	1,011	1,001	993	989
90% Exceedance	939	939	948	953	962	975	980	980	974	959	946	943
Full Simulation Period Average[a]	1,004	1,006	1,010	1,015	1,022	1,029	1,034	1,036	1,031	1,021	1,012	1,007
Wet Water Years (22%)	1,036	1,037	1,037	1,019	1,029	1,041	1,052	1,061	1,067	1,060	1,047	1,039
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,025	1,033	1,040	1,044	1,040	1,030	1,021	1,017
Below Normal Water Years (15%)	1,021	1,024	1,026	1,023	1,032	1,039	1,046	1,051	1,045	1,035	1,027	1,023
Dry Water Years (17%)	1,013	1,018	1,024	1,024	1,029	1,038	1,044	1,044	1,036	1,026	1,017	1,014
Critical Water Years (34%)	967	968	972	1,004	1,007	1,011	1,010	1,006	997	986	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-5c. New Melones Reservoir Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	1	2	3	5	0	0
20% Exceedance	3	3	0	0	0	0	0	0	1	2	3	2
30% Exceedance	3	0	3	1	0	0	2	3	1	2	1	2
40% Exceedance	2	0	1	2	0	0	1	-1	-1	1	1	1
50% Exceedance	0	0	2	1	2	1	1	0	0	0	1	0
60% Exceedance	1	1	1	1	0	3	1	1	3	2	0	1
70% Exceedance	3	3	4	2	-2	2	0	4	2	3	2	2
80% Exceedance	7	8	6	8	3	2	3	3	5	5	7	7
90% Exceedance	-7	-7	3	1	-3	-4	-4	1	-1	-3	-5	-3
Full Simulation Period Average[a]	1	1	1	1	1	1	1	1	1	1	1	1
Wet Water Years (22%)	1	1	0	0	0	0	0	0	1	1	1	1
Above Normal Water Years (12%)	0	0	0	0	-1	-1	0	0	0	0	0	0
Below Normal Water Years (15%)	3	3	3	1	0	0	2	3	3	3	3	3
Dry Water Years (17%)	2	2	1	1	0	0	1	2	2	2	2	2
Critical Water Years (34%)	0	0	0	2	2	2	2	2	1	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-6a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-6b. New Melones Reservoir Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,062	1,068	1,072	1,066	1,060	1,052
20% Exceedance	1,038	1,041	1,049	1,050	1,050	1,055	1,057	1,060	1,056	1,049	1,044	1,041
30% Exceedance	1,028	1,029	1,038	1,045	1,050	1,053	1,055	1,054	1,049	1,039	1,031	1,029
40% Exceedance	1,020	1,022	1,028	1,034	1,043	1,050	1,051	1,048	1,041	1,031	1,024	1,021
50% Exceedance	1,011	1,013	1,020	1,029	1,034	1,042	1,044	1,041	1,036	1,025	1,017	1,014
60% Exceedance	1,004	1,007	1,010	1,014	1,021	1,029	1,028	1,028	1,026	1,017	1,009	1,006
70% Exceedance	990	994	1,000	1,006	1,009	1,012	1,018	1,020	1,012	1,004	997	993
80% Exceedance	969	971	981	983	992	996	1,002	1,004	997	987	978	973
90% Exceedance	941	941	945	947	956	974	974	973	973	962	951	946
Full Simulation Period Average[a]	1,000	1,003	1,007	1,012	1,018	1,025	1,028	1,030	1,025	1,016	1,007	1,003
Wet Water Years (22%)	1,036	1,037	1,039	1,024	1,031	1,040	1,049	1,058	1,060	1,055	1,046	1,039
Above Normal Water Years (12%)	1,009	1,011	1,017	1,010	1,017	1,027	1,033	1,038	1,034	1,025	1,017	1,013
Below Normal Water Years (15%)	1,011	1,014	1,017	1,016	1,023	1,030	1,036	1,040	1,035	1,024	1,016	1,013
Dry Water Years (17%)	1,006	1,011	1,018	1,022	1,026	1,033	1,035	1,034	1,026	1,017	1,010	1,007
Critical Water Years (34%)	966	967	971	999	1,003	1,007	1,006	1,002	994	983	974	970

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-6c. New Melones Reservoir Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-4	-5	-7	-5	-3	0
20% Exceedance	-4	-5	0	0	0	0	-4	-6	-8	-5	-4	-4
30% Exceedance	-2	-5	-2	-3	0	-1	-2	-5	-6	-4	-5	-3
40% Exceedance	-3	-5	-3	-2	-6	-4	-4	-5	-8	-7	-6	-5
50% Exceedance	-4	-5	-4	-1	-4	-6	-6	-7	-4	-5	-4	-5
60% Exceedance	-4	-3	-4	-7	-11	-9	-11	-10	-5	-5	-5	-4
70% Exceedance	-9	-7	-2	-3	-9	-13	-11	-8	-11	-8	-8	-8
80% Exceedance	-9	-8	-4	-6	-5	-5	1	-9	-9	-9	-8	-9
90% Exceedance	-5	-5	0	-5	-9	-5	-10	-6	-2	-1	0	0
Full Simulation Period Average[a]	-3	-3	-2	-2	-3	-4	-5	-5	-5	-4	-3	-3
Wet Water Years (22%)	1	1	2	5	2	-1	-3	-3	-5	-4	0	1
Above Normal Water Years (12%)	-4	-4	-3	-9	-8	-8	-7	-7	-7	-5	-5	-4
Below Normal Water Years (15%)	-7	-7	-6	-7	-8	-8	-9	-8	-8	-7	-7	-7
Dry Water Years (17%)	-5	-5	-5	-1	-3	-5	-8	-9	-8	-7	-6	-6
Critical Water Years (34%)	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-7a. New Melones Reservoir Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,073	1,080	1,071	1,063	1,052
20% Exceedance	1,042	1,045	1,050	1,050	1,050	1,055	1,062	1,066	1,064	1,054	1,047	1,044
30% Exceedance	1,029	1,034	1,040	1,048	1,050	1,055	1,057	1,059	1,054	1,043	1,036	1,032
40% Exceedance	1,023	1,027	1,030	1,036	1,050	1,054	1,055	1,053	1,049	1,038	1,029	1,026
50% Exceedance	1,015	1,018	1,024	1,030	1,039	1,048	1,051	1,048	1,040	1,030	1,021	1,018
60% Exceedance	1,008	1,010	1,014	1,021	1,032	1,038	1,040	1,039	1,031	1,022	1,014	1,010
70% Exceedance	999	1,001	1,002	1,009	1,018	1,025	1,028	1,028	1,023	1,012	1,005	1,002
80% Exceedance	977	980	985	990	997	1,001	1,001	1,013	1,006	996	986	982
90% Exceedance	946	946	945	952	965	979	984	980	975	962	951	946
Full Simulation Period Average[a]	1,003	1,005	1,009	1,014	1,021	1,028	1,033	1,035	1,030	1,020	1,011	1,006
Wet Water Years (22%)	1,035	1,036	1,036	1,019	1,029	1,041	1,051	1,061	1,065	1,059	1,046	1,038
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,026	1,034	1,040	1,045	1,041	1,030	1,022	1,017
Below Normal Water Years (15%)	1,018	1,020	1,023	1,023	1,032	1,039	1,044	1,048	1,043	1,032	1,024	1,020
Dry Water Years (17%)	1,011	1,016	1,023	1,024	1,029	1,038	1,043	1,042	1,035	1,024	1,016	1,012
Critical Water Years (34%)	967	968	972	1,002	1,005	1,009	1,009	1,005	996	985	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-7b. New Melones Reservoir Elevation, Alternative 4, End-of-Month Elevation (Feet)

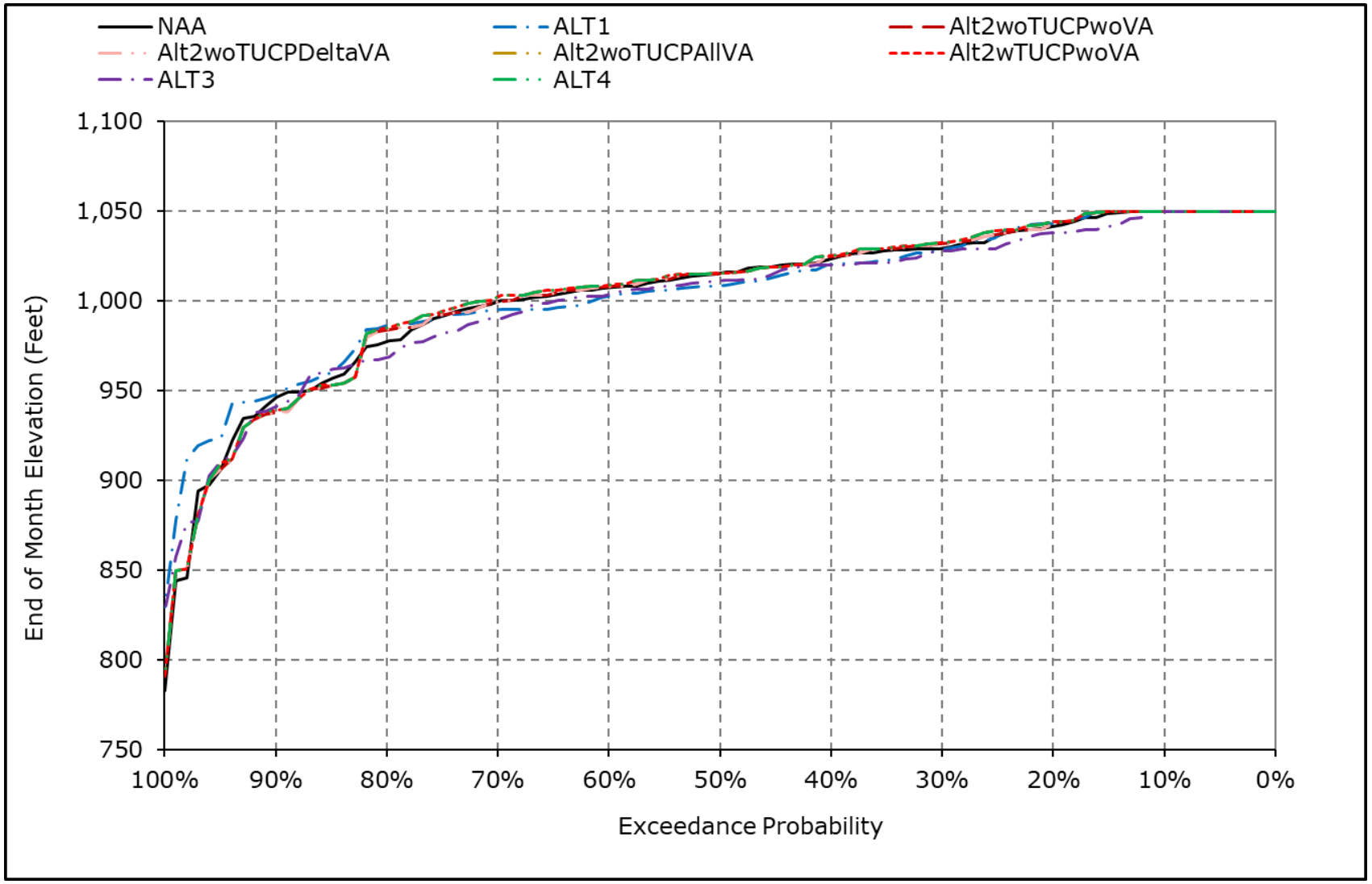
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,067	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,044	1,048	1,050	1,050	1,050	1,055	1,062	1,066	1,065	1,057	1,050	1,047
30% Exceedance	1,033	1,035	1,042	1,049	1,050	1,055	1,059	1,061	1,056	1,045	1,037	1,034
40% Exceedance	1,025	1,028	1,032	1,038	1,049	1,055	1,056	1,053	1,048	1,039	1,030	1,027
50% Exceedance	1,015	1,018	1,026	1,031	1,041	1,050	1,052	1,048	1,040	1,030	1,022	1,018
60% Exceedance	1,009	1,011	1,015	1,022	1,032	1,041	1,041	1,040	1,033	1,023	1,014	1,011
70% Exceedance	1,002	1,003	1,006	1,011	1,016	1,028	1,029	1,032	1,025	1,015	1,007	1,004
80% Exceedance	985	988	990	997	999	1,003	1,004	1,016	1,011	1,001	993	989
90% Exceedance	939	939	948	953	962	975	980	980	974	959	946	943
Full Simulation Period Average[a]	1,004	1,006	1,010	1,015	1,022	1,029	1,034	1,036	1,031	1,021	1,012	1,007
Wet Water Years (22%)	1,036	1,037	1,037	1,019	1,029	1,041	1,052	1,061	1,067	1,060	1,047	1,039
Above Normal Water Years (12%)	1,013	1,015	1,020	1,019	1,025	1,033	1,040	1,044	1,040	1,030	1,021	1,017
Below Normal Water Years (15%)	1,021	1,024	1,026	1,023	1,032	1,039	1,046	1,051	1,045	1,035	1,027	1,023
Dry Water Years (17%)	1,013	1,018	1,024	1,024	1,029	1,038	1,044	1,044	1,036	1,026	1,017	1,014
Critical Water Years (34%)	967	968	972	1,004	1,007	1,011	1,010	1,006	997	986	976	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-14-7c. New Melones Reservoir Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

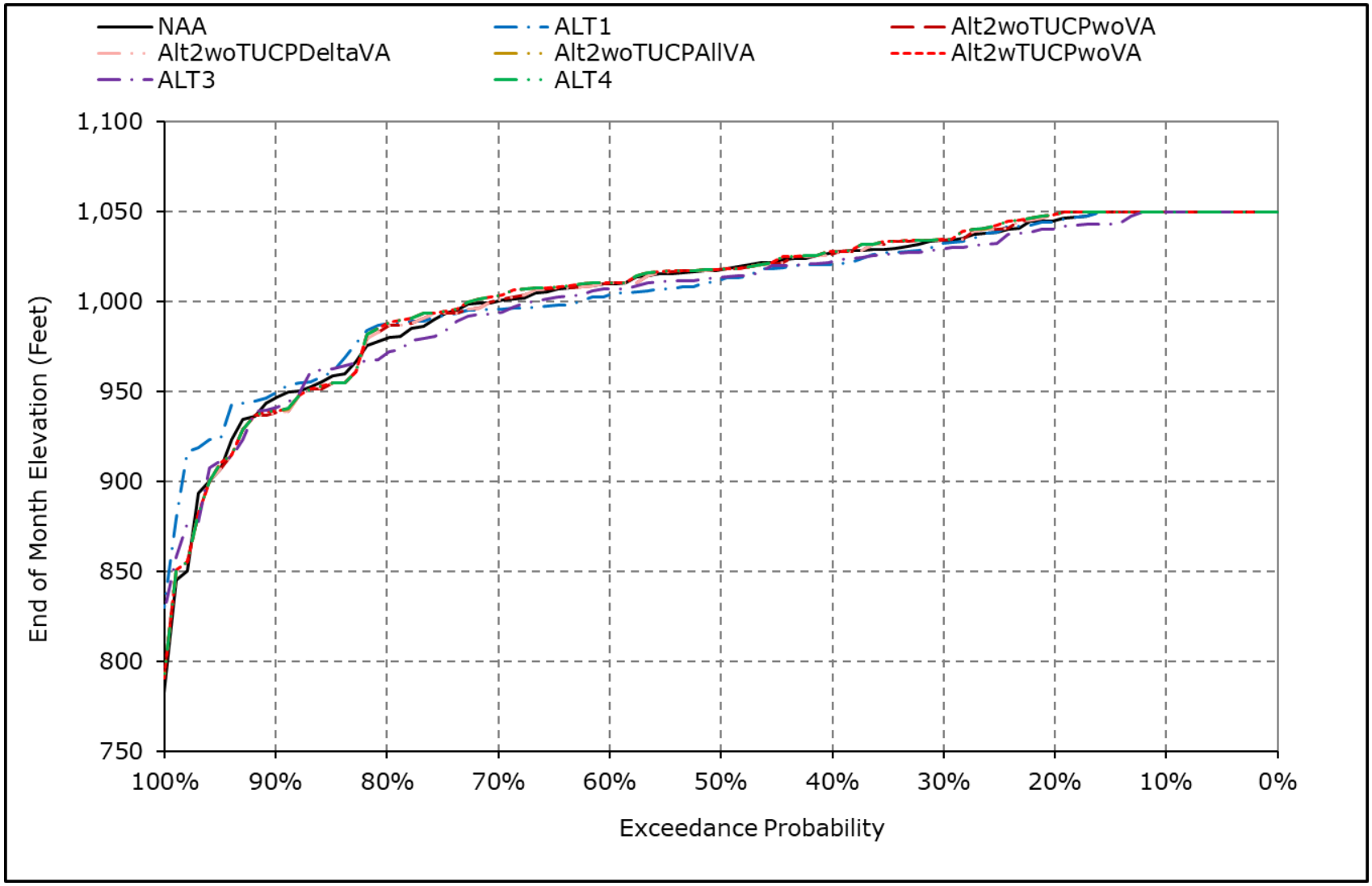
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	1	2	3	5	0	0
20% Exceedance	3	3	0	0	0	0	0	0	1	2	3	2
30% Exceedance	3	0	3	1	0	0	2	3	1	2	1	2
40% Exceedance	2	0	1	2	0	0	1	-1	-1	1	1	1
50% Exceedance	0	0	2	1	2	1	1	0	0	0	1	0
60% Exceedance	1	1	1	1	0	3	1	1	3	2	0	1
70% Exceedance	3	3	4	2	-2	2	0	4	2	3	2	2
80% Exceedance	7	8	6	8	3	2	3	3	5	5	7	7
90% Exceedance	-7	-7	3	1	-3	-4	-4	1	-1	-3	-5	-3
Full Simulation Period Average[a]	1	1	1	1	1	1	1	1	1	1	1	1
Wet Water Years (22%)	1	1	0	0	0	0	0	0	1	1	1	1
Above Normal Water Years (12%)	0	0	0	0	-1	-1	0	0	0	0	0	0
Below Normal Water Years (15%)	3	3	3	1	0	0	2	3	3	3	3	3
Dry Water Years (17%)	2	2	1	1	0	0	1	2	2	2	2	2
Critical Water Years (34%)	0	0	0	2	2	2	2	2	1	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



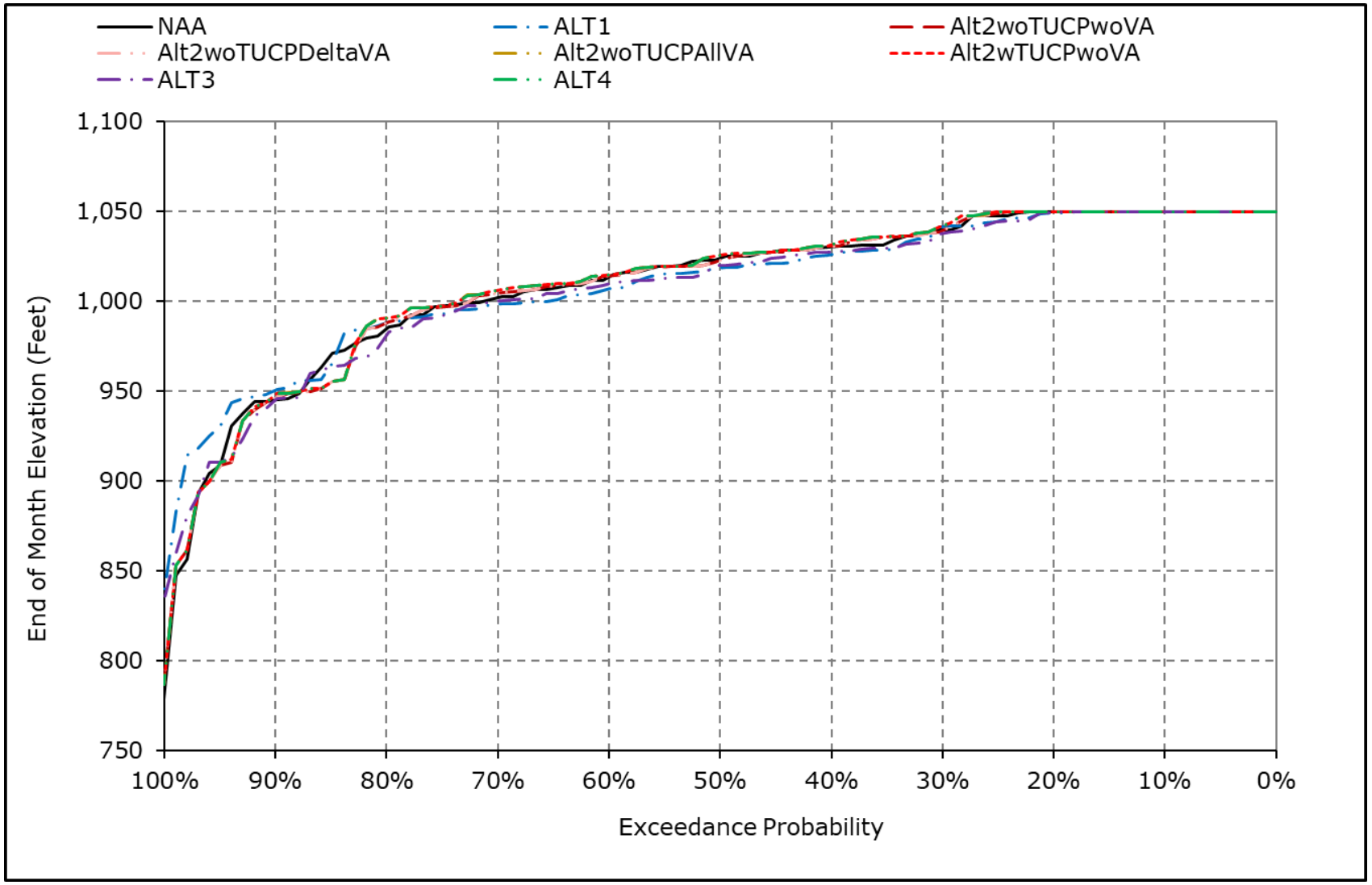
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-1. New Melones Reservoir Elevation , October



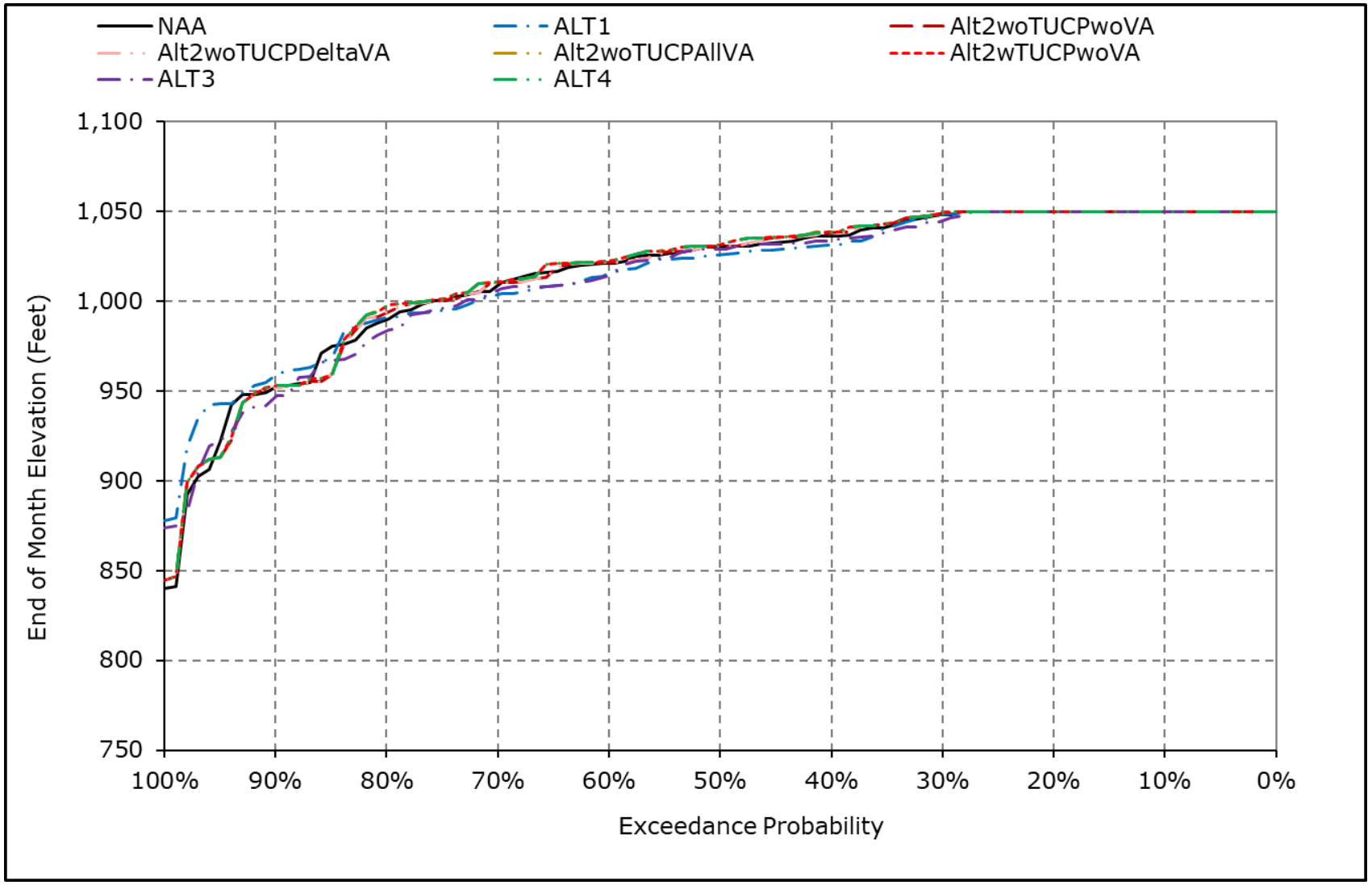
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-2. New Melones Reservoir Elevation , November



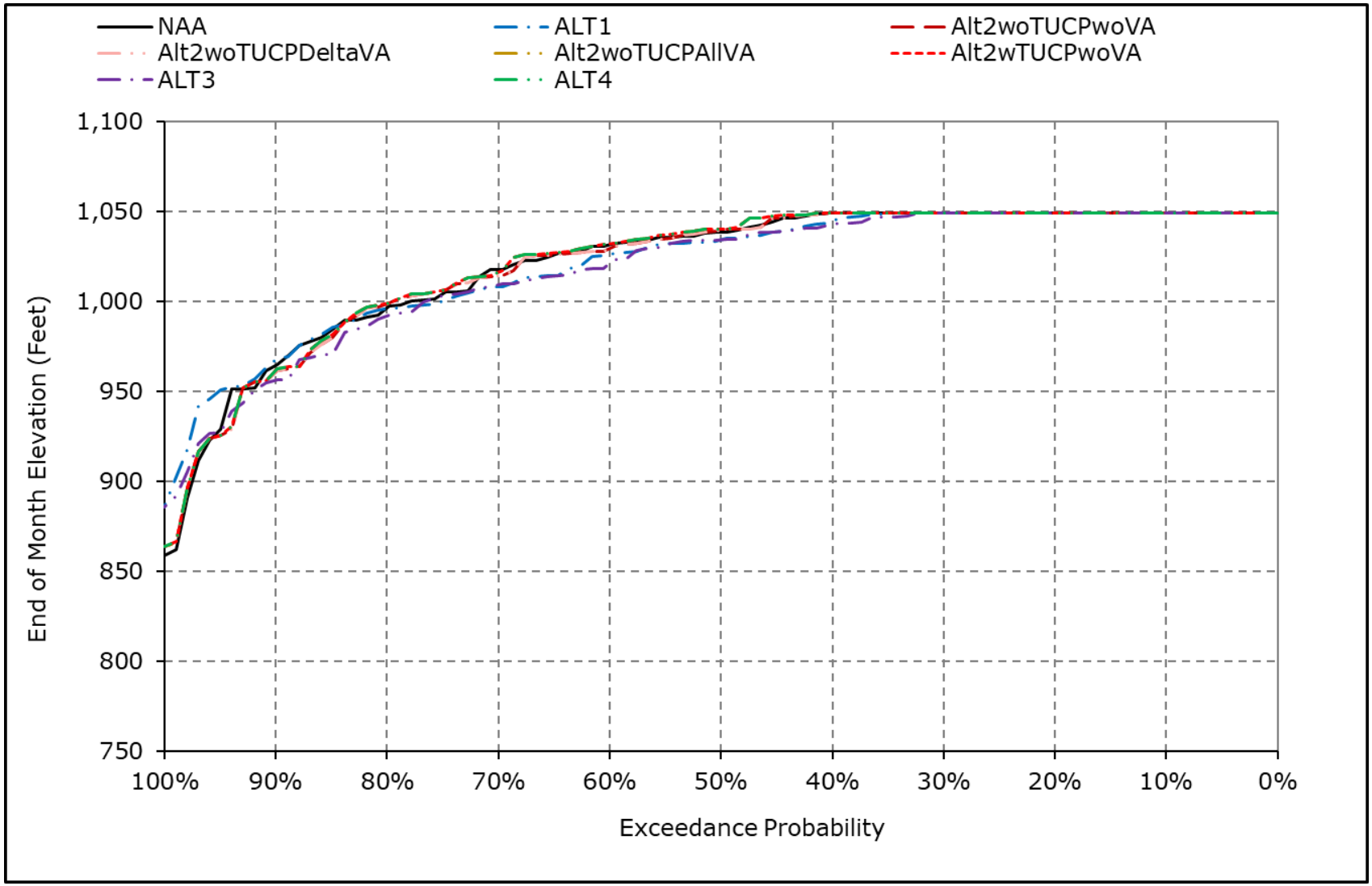
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-3. New Melones Reservoir Elevation , December



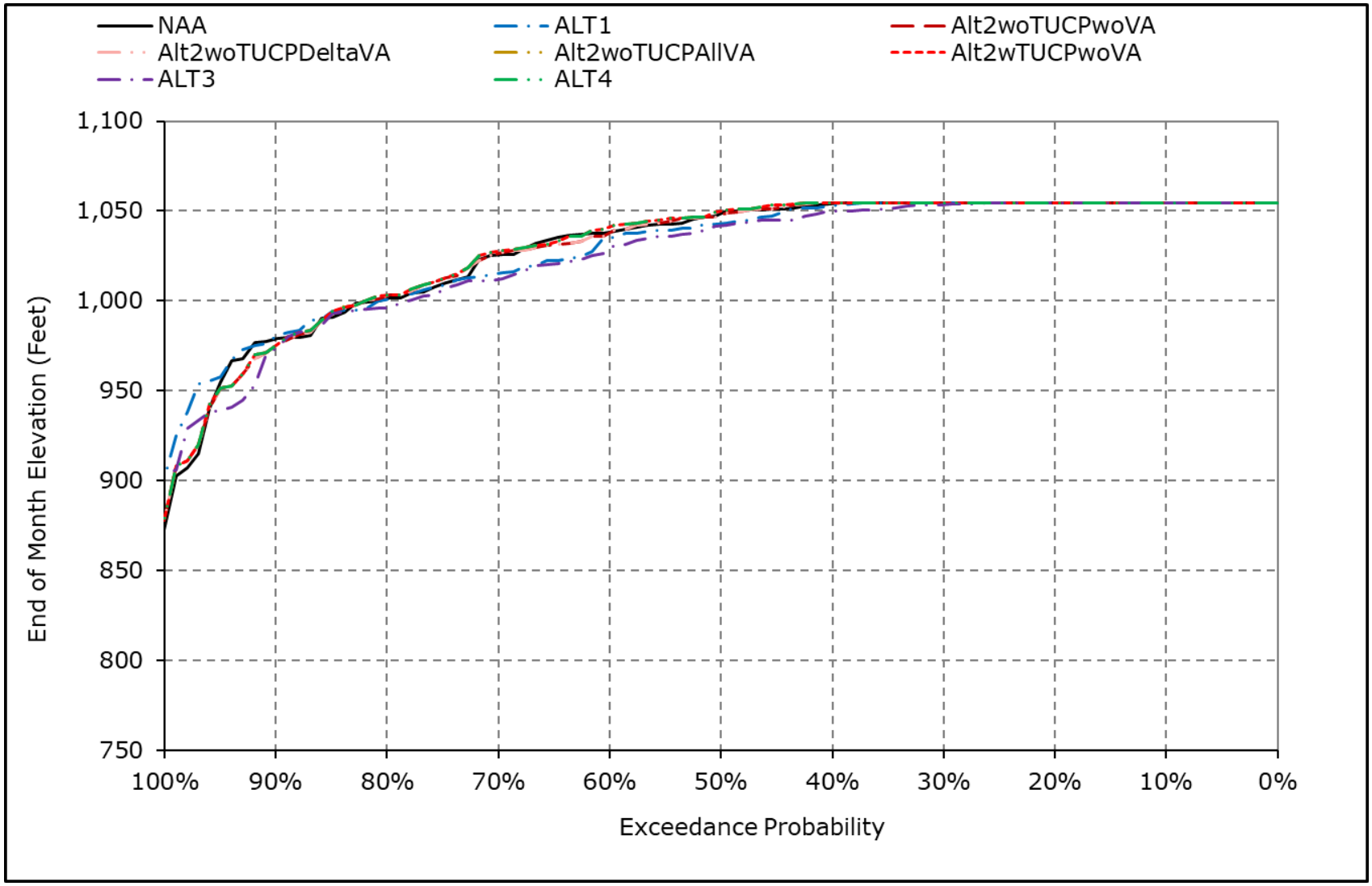
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-4. New Melones Reservoir Elevation , January



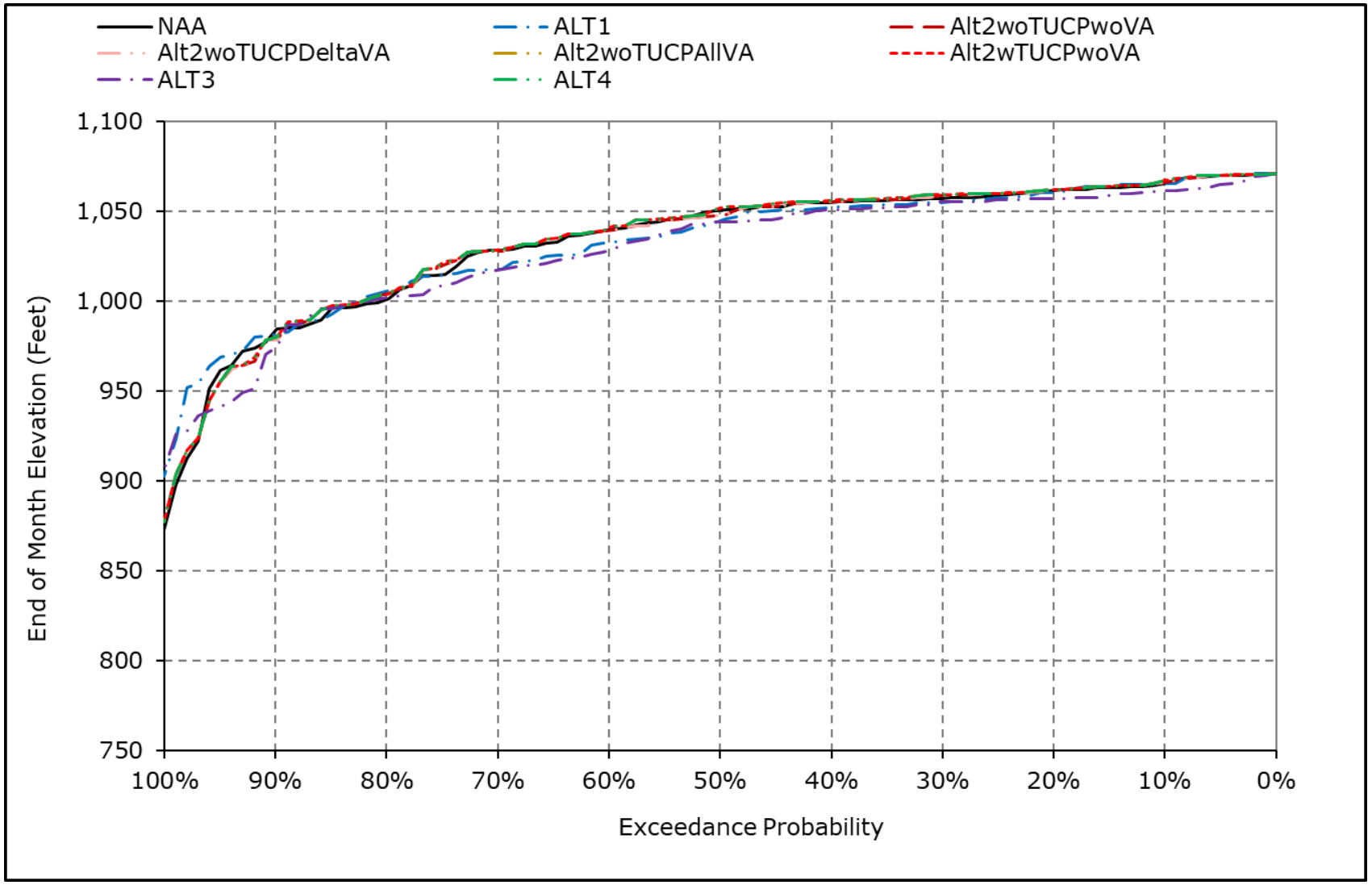
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-5. New Melones Reservoir Elevation , February



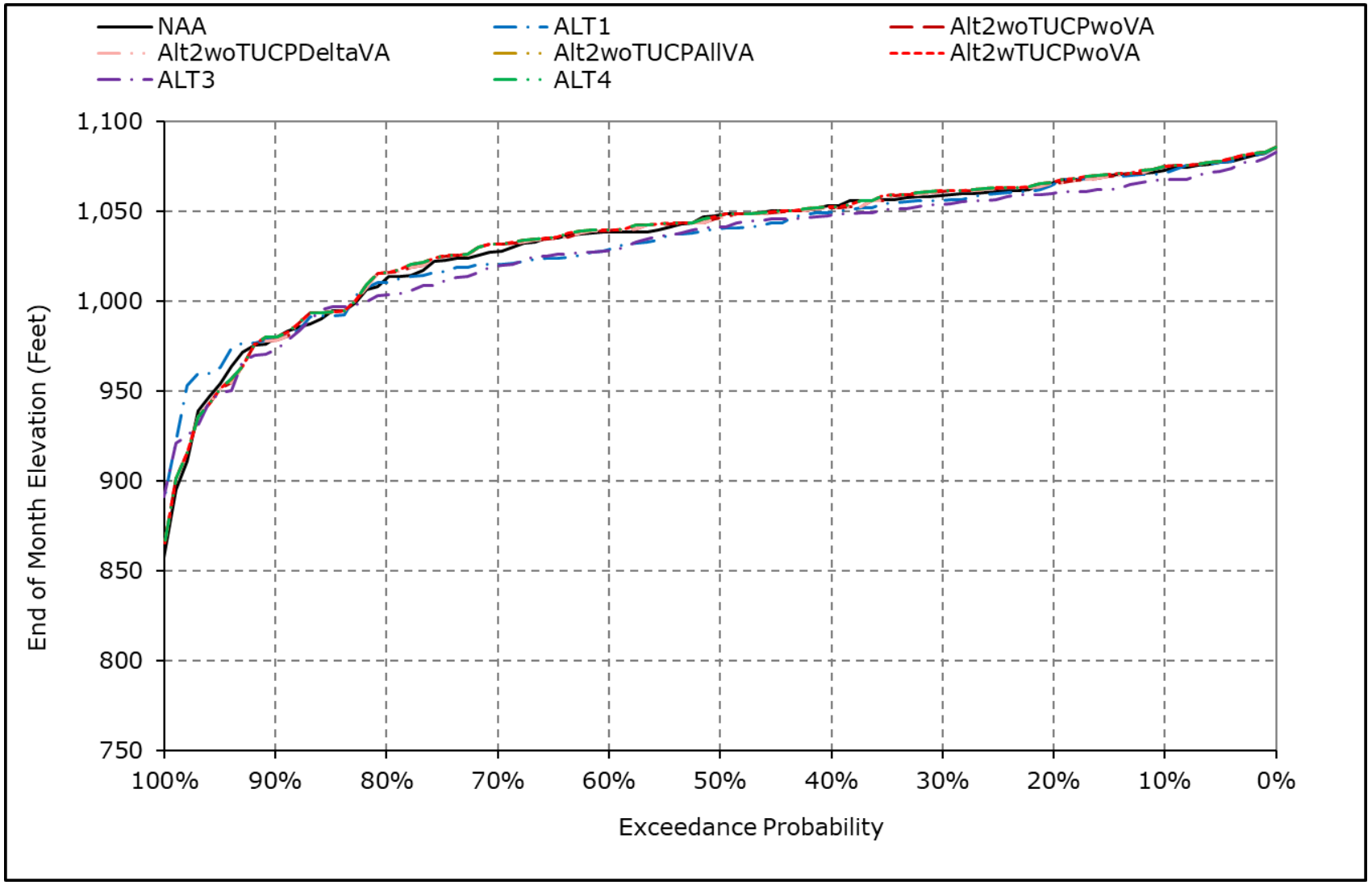
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-6. New Melones Reservoir Elevation , March



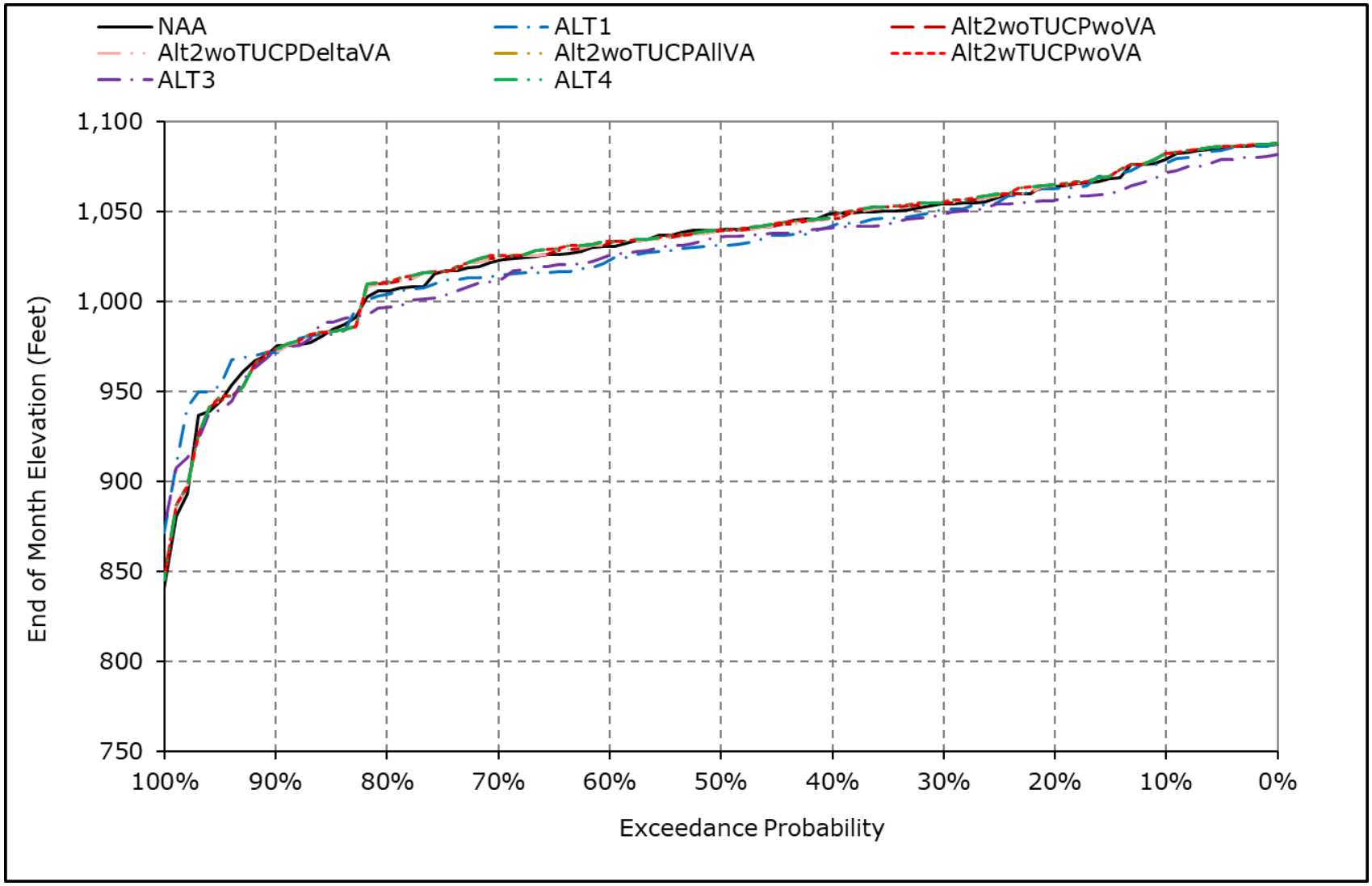
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-7. New Melones Reservoir Elevation , April



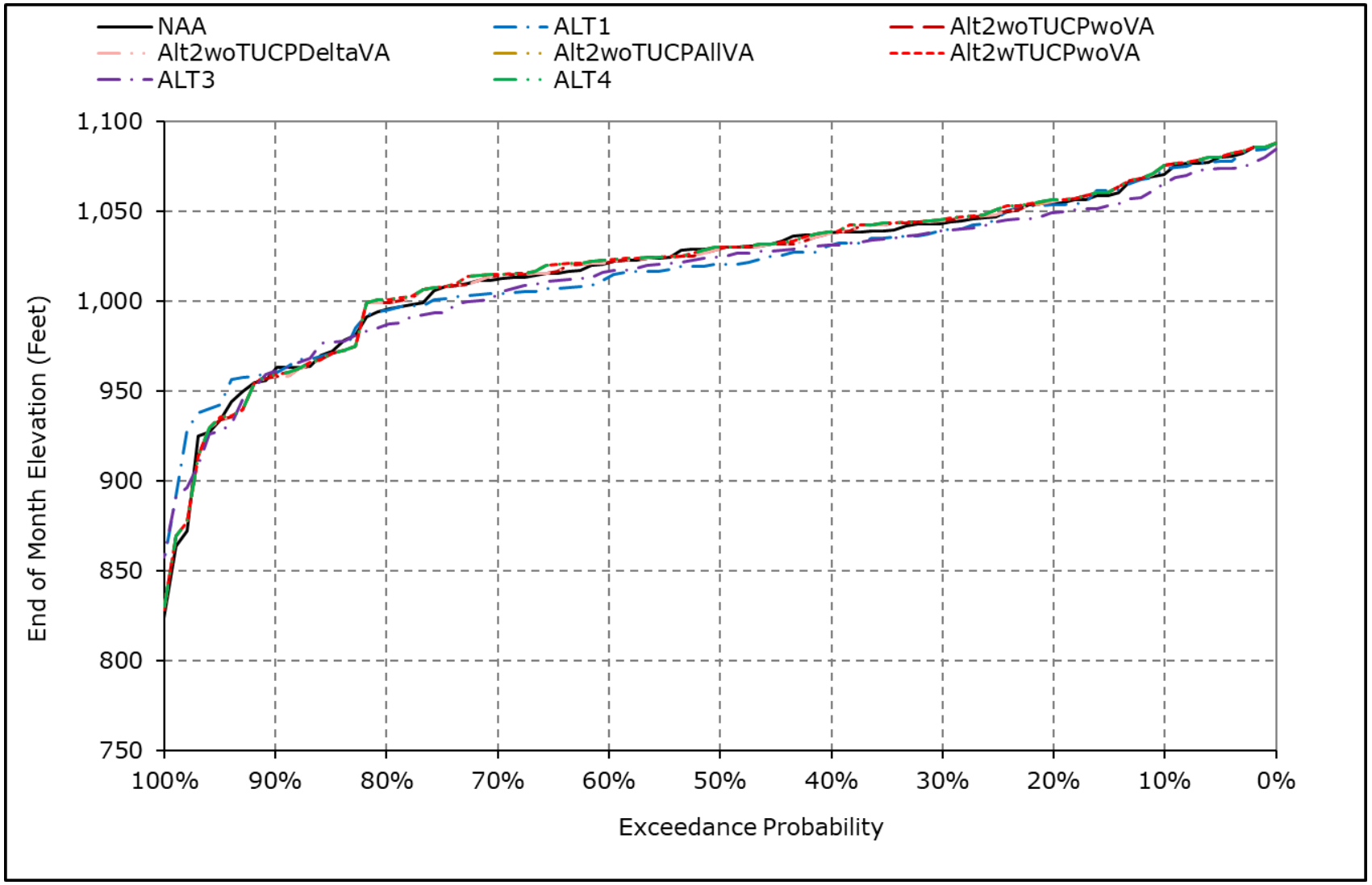
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-8. New Melones Reservoir Elevation , May



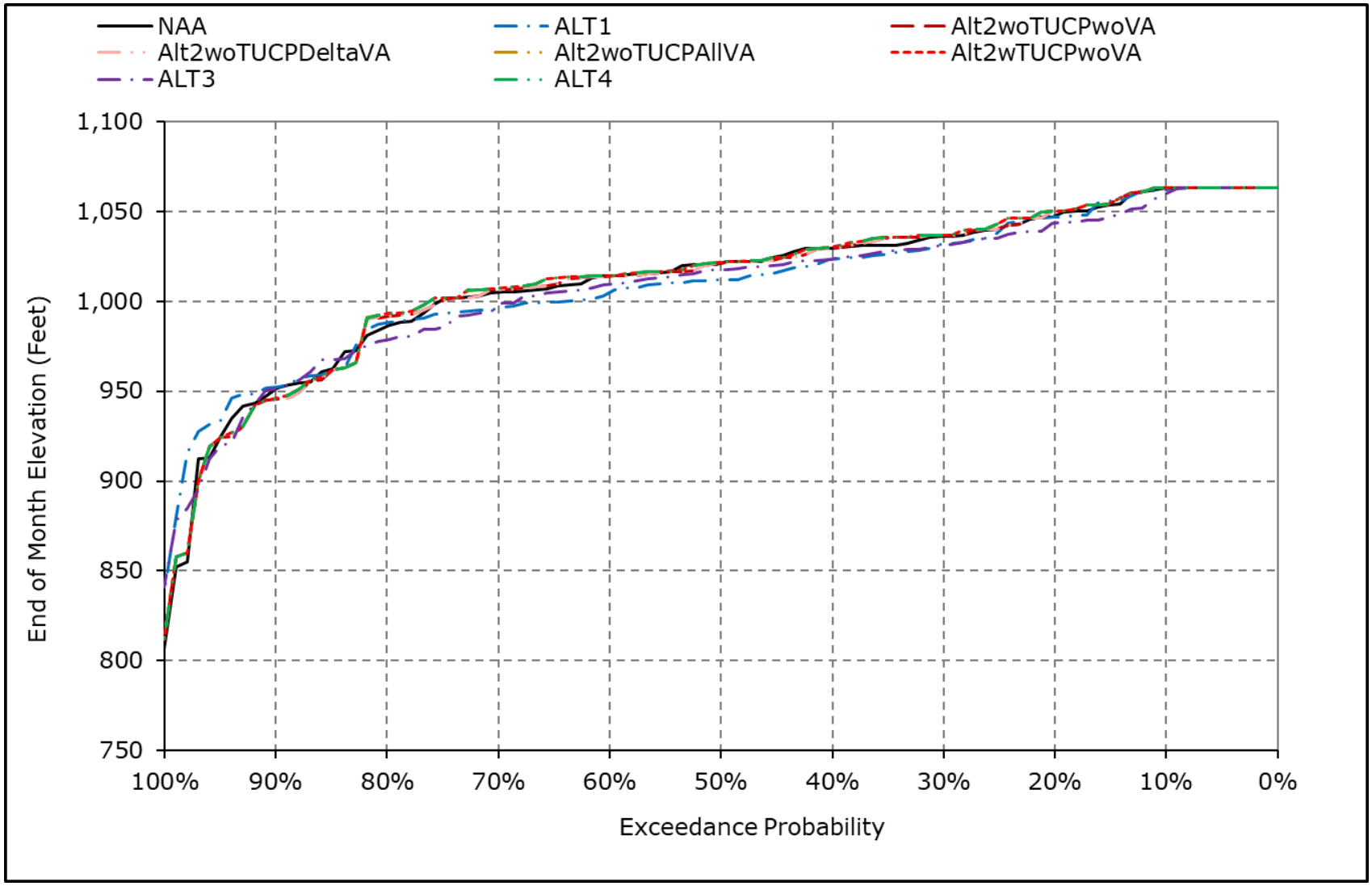
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-9. New Melones Reservoir Elevation , June



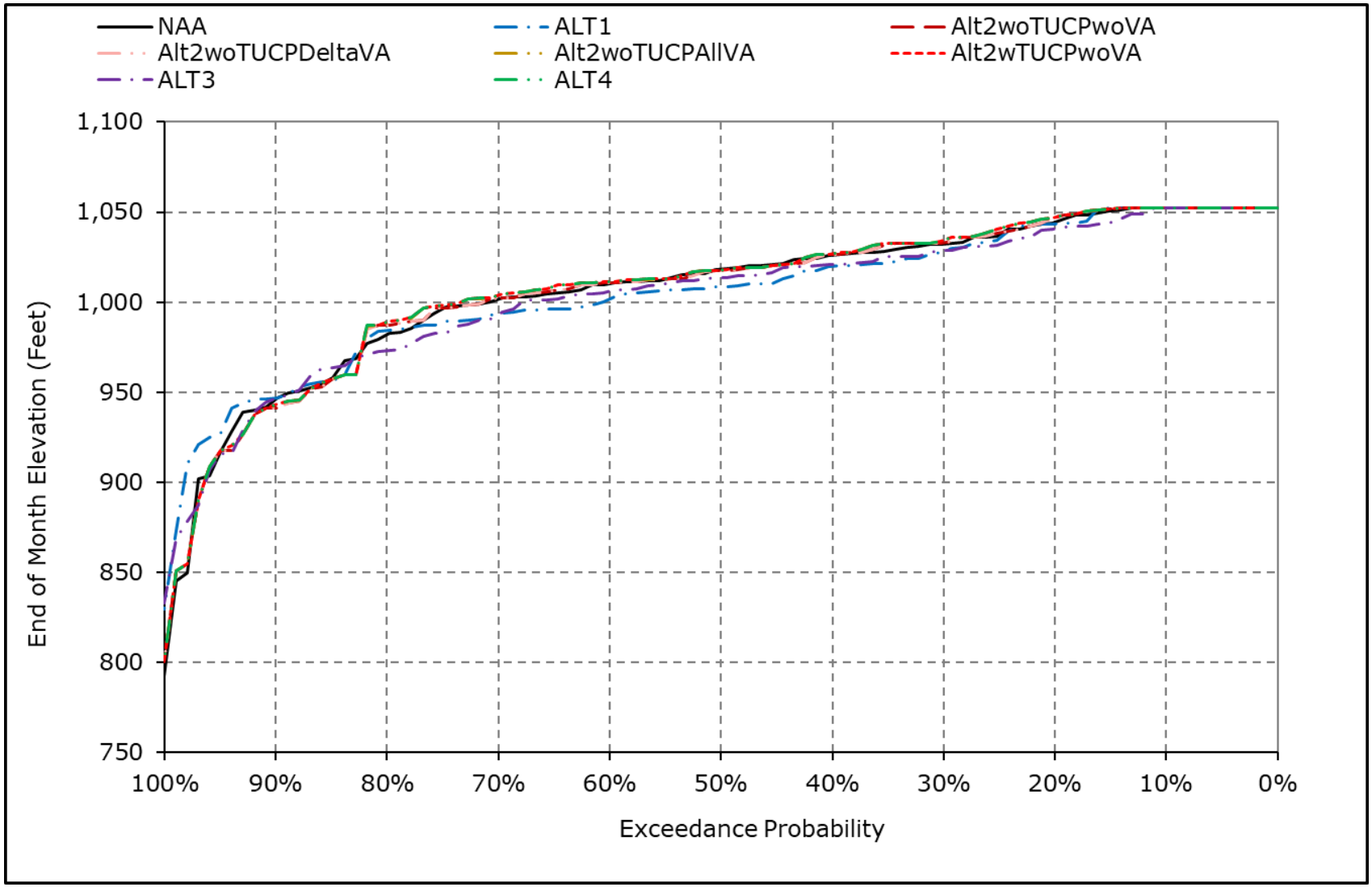
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-10. New Melones Reservoir Elevation , July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-11. New Melones Reservoir Elevation , August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-12. New Melones Reservoir Elevation , September

Table F.2.1-15-1a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-1b. Millerton Lake Storage, Alternative 1, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	267	299	375	438	439	478	481	524	524	393	271	240
20% Exceedance	225	260	334	432	439	457	447	523	505	353	222	207
30% Exceedance	200	229	289	379	436	451	413	502	481	309	201	185
40% Exceedance	188	204	250	344	416	441	379	457	418	255	177	176
50% Exceedance	171	181	223	301	372	397	359	409	359	228	167	169
60% Exceedance	166	164	210	277	324	337	323	379	331	213	159	165
70% Exceedance	158	147	186	237	283	296	290	348	297	189	151	160
80% Exceedance	141	135	164	202	254	226	248	312	255	163	136	155
90% Exceedance	135	135	149	162	180	158	198	283	222	146	135	141
Full Simulation Period Average[a]	192	202	246	306	341	354	346	406	373	259	189	188
Wet Water Years (22%)	274	282	314	388	412	443	361	466	506	388	275	263
Above Normal Water Years (12%)	193	222	293	366	419	449	402	479	462	306	196	172
Below Normal Water Years (15%)	197	225	275	361	428	440	408	489	438	295	191	178
Dry Water Years (17%)	165	179	235	266	311	321	340	404	338	213	159	166
Critical Water Years (34%)	150	142	175	226	245	242	292	305	244	165	146	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-1c. Millerton Lake Storage, Alternative 1 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1	1	0	0	0	-7	0	0	0	1	0
20% Exceedance	0	1	0	0	0	0	0	0	0	1	1	0
30% Exceedance	1	2	1	0	0	0	0	0	0	0	1	0
40% Exceedance	1	1	2	0	0	0	0	0	0	0	0	1
50% Exceedance	1	1	1	2	2	1	0	-1	-1	0	0	0
60% Exceedance	0	2	2	1	2	1	2	0	0	1	0	0
70% Exceedance	1	1	0	1	2	3	0	0	1	-1	1	1
80% Exceedance	0	0	1	1	1	1	0	2	1	1	1	1
90% Exceedance	0	0	1	0	0	1	0	2	1	1	0	0
Full Simulation Period Average[a]	1	1	1	1	1	1	0	1	0	0	0	1
Wet Water Years (22%)	1	1	1	1	0	0	-2	0	0	0	0	1
Above Normal Water Years (12%)	1	1	1	1	1	1	1	0	0	0	1	1
Below Normal Water Years (15%)	1	1	1	1	0	0	1	0	0	0	1	1
Dry Water Years (17%)	0	1	1	1	1	1	0	0	0	0	0	0
Critical Water Years (34%)	0	0	1	1	1	1	1	1	1	1	0	1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-2a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-2b. Millerton Lake Storage, Alt2woTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	369	396	358	409	359	227	167	168
60% Exceedance	166	161	208	276	322	336	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	255	162	135	155
90% Exceedance	135	135	148	161	180	156	198	281	222	144	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	345	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	192	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	164	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-2c. Millerton Lake Storage, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-3a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-3b. Millerton Lake Storage, Alt2woTUCPDeltaVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	266	333	432	439	456	448	524	505	352	222	206
30% Exceedance	213	230	291	378	436	451	413	504	481	314	202	187
40% Exceedance	187	203	250	344	416	441	381	460	418	254	178	177
50% Exceedance	170	179	224	308	372	396	358	416	360	228	169	169
60% Exceedance	166	161	208	276	322	339	321	382	331	212	160	166
70% Exceedance	156	146	185	236	279	294	290	348	298	190	150	160
80% Exceedance	141	135	162	201	252	225	252	311	257	162	136	155
90% Exceedance	135	135	148	161	180	156	198	281	222	146	135	141
Full Simulation Period Average[a]	192	202	246	306	341	354	347	406	373	259	190	188
Wet Water Years (22%)	273	281	313	388	411	443	365	467	506	388	275	262
Above Normal Water Years (12%)	198	227	298	368	419	449	402	479	464	309	201	177
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	268	313	323	343	407	340	214	160	166
Critical Water Years (34%)	149	142	174	225	244	241	291	304	244	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-3c. Millerton Lake Storage, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	1	6	0	0	0	0	2	0	0	0	0	0
30% Exceedance	14	3	4	0	0	0	1	1	0	6	2	2
40% Exceedance	0	0	3	0	0	0	1	3	0	0	1	2
50% Exceedance	0	0	2	8	3	0	0	7	0	0	2	1
60% Exceedance	0	0	0	0	0	2	0	4	0	0	1	1
70% Exceedance	-1	0	0	0	-2	0	1	0	1	0	0	1
80% Exceedance	0	0	-1	0	-1	0	4	1	3	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	1	0	0
Full Simulation Period Average[a]	1	1	1	1	0	0	1	1	1	1	1	1
Wet Water Years (22%)	0	0	0	0	0	0	2	1	0	0	0	0
Above Normal Water Years (12%)	6	6	6	3	0	0	0	1	2	4	5	6
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	2	2	2	3	3	2	1	1	0
Critical Water Years (34%)	0	0	0	0	0	0	1	1	1	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-4a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-4b. Millerton Lake Storage, Alt2woTUCPAllVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	266	333	432	439	456	448	524	505	352	222	207
30% Exceedance	206	228	299	378	436	451	413	504	481	309	201	187
40% Exceedance	188	203	248	344	416	441	381	462	424	254	180	177
50% Exceedance	172	180	222	301	372	396	358	413	360	228	169	169
60% Exceedance	166	162	208	276	322	339	321	381	331	212	160	166
70% Exceedance	156	146	185	236	279	294	290	348	298	190	150	161
80% Exceedance	141	135	163	201	252	225	252	311	255	162	136	155
90% Exceedance	135	135	150	161	180	156	198	281	222	146	135	141
Full Simulation Period Average[a]	193	202	246	305	341	354	347	406	373	259	190	188
Wet Water Years (22%)	273	281	313	388	411	443	365	468	506	388	275	262
Above Normal Water Years (12%)	196	224	295	365	418	448	402	479	463	308	199	174
Below Normal Water Years (15%)	198	227	276	360	428	439	407	489	438	297	193	180
Dry Water Years (17%)	165	179	234	268	313	323	342	406	340	214	160	166
Critical Water Years (34%)	149	142	174	225	244	241	291	304	244	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-4c. Millerton Lake Storage, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	1	6	0	0	0	0	1	0	0	0	0	0
30% Exceedance	7	1	11	0	0	0	1	2	0	0	0	2
40% Exceedance	1	0	0	0	0	0	1	5	6	0	3	2
50% Exceedance	2	1	0	1	3	0	0	4	0	0	2	1
60% Exceedance	0	0	0	0	1	2	0	2	0	0	1	1
70% Exceedance	-1	0	0	0	-2	0	1	0	1	0	0	2
80% Exceedance	0	0	-1	0	-1	0	4	1	0	0	0	0
90% Exceedance	0	0	2	0	0	0	0	0	0	1	0	0
Full Simulation Period Average[a]	1	1	1	0	0	0	1	1	1	1	1	1
Wet Water Years (22%)	0	0	0	0	0	0	2	2	0	0	0	0
Above Normal Water Years (12%)	3	3	3	0	0	0	0	1	2	3	3	3
Below Normal Water Years (15%)	3	3	3	0	0	0	0	0	1	2	2	2
Dry Water Years (17%)	0	0	0	2	2	2	2	2	2	1	0	0
Critical Water Years (34%)	0	0	0	0	0	0	1	1	1	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-5a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-5b. Millerton Lake Storage, Alt2wTUCPwoVA, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	369	396	358	409	359	227	167	168
60% Exceedance	166	161	208	276	322	336	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	293	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	162	135	155
90% Exceedance	135	135	148	161	180	156	198	281	222	144	135	141
Full Simulation Period Average[a]	192	201	245	305	340	353	345	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	164	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-5c. Millerton Lake Storage, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-6a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-6b. Millerton Lake Storage, Alternative 3, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	263	299	366	437	439	478	486	524	524	394	275	237
20% Exceedance	222	255	330	430	439	456	441	523	505	350	220	202
30% Exceedance	196	216	280	377	435	450	410	501	481	306	198	183
40% Exceedance	180	195	237	344	413	430	373	453	418	253	175	173
50% Exceedance	166	170	218	287	360	391	351	398	360	221	163	166
60% Exceedance	163	153	200	270	309	331	313	382	325	208	156	162
70% Exceedance	152	139	179	230	270	281	286	342	288	187	146	156
80% Exceedance	140	135	158	198	239	221	241	300	248	157	135	151
90% Exceedance	135	135	142	158	172	149	193	267	214	139	135	141
Full Simulation Period Average[a]	188	197	240	300	336	349	341	402	369	255	187	184
Wet Water Years (22%)	267	274	306	385	410	441	361	466	505	386	273	258
Above Normal Water Years (12%)	189	217	287	362	415	445	398	480	463	305	194	169
Below Normal Water Years (15%)	191	218	267	356	426	437	403	487	436	293	188	174
Dry Water Years (17%)	161	173	227	258	302	311	332	397	332	207	156	162
Critical Water Years (34%)	147	141	171	219	237	235	284	297	237	161	144	157

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-6c. Millerton Lake Storage, Alternative 3 minus No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	1	-7	-1	0	0	-2	0	0	1	5	-3
20% Exceedance	-3	-5	-3	-2	0	-1	-5	0	0	-2	-2	-4
30% Exceedance	-4	-11	-7	-2	-1	-1	-3	-1	0	-2	-3	-2
40% Exceedance	-7	-8	-11	-1	-3	-11	-7	-4	0	-2	-2	-3
50% Exceedance	-4	-9	-4	-12	-9	-5	-7	-11	1	-7	-3	-2
60% Exceedance	-3	-9	-8	-6	-13	-6	-8	3	-6	-5	-3	-3
70% Exceedance	-5	-7	-6	-6	-11	-13	-3	-7	-9	-3	-4	-4
80% Exceedance	-1	0	-5	-4	-14	-4	-7	-11	-6	-6	0	-4
90% Exceedance	0	0	-6	-4	-8	-7	-5	-14	-8	-5	0	0
Full Simulation Period Average[a]	-4	-4	-5	-5	-5	-5	-5	-3	-3	-3	-2	-3
Wet Water Years (22%)	-5	-6	-7	-3	-1	-2	-2	1	-1	-2	-2	-4
Above Normal Water Years (12%)	-3	-4	-5	-3	-3	-3	-4	1	1	0	-1	-2
Below Normal Water Years (15%)	-5	-6	-6	-4	-2	-3	-4	-2	-1	-2	-3	-4
Dry Water Years (17%)	-4	-5	-7	-7	-8	-9	-8	-7	-6	-6	-3	-4
Critical Water Years (34%)	-2	-1	-3	-6	-7	-6	-7	-7	-6	-4	-1	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-7a. Millerton Lake Storage, No Action Alternative, End-of-Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	373	438	439	478	487	524	524	393	270	239
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	287	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	254	176	175
50% Exceedance	170	180	222	299	370	396	358	410	360	227	167	169
60% Exceedance	166	162	208	276	322	337	321	379	331	212	159	165
70% Exceedance	156	146	185	236	281	294	290	348	296	190	150	159
80% Exceedance	141	135	163	201	253	225	248	310	254	163	135	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	201	245	305	340	354	346	405	372	258	189	187
Wet Water Years (22%)	273	281	313	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	401	478	462	305	195	171
Below Normal Water Years (15%)	196	224	274	360	428	439	407	489	438	295	191	177
Dry Water Years (17%)	165	179	234	266	310	320	340	404	338	213	159	166
Critical Water Years (34%)	149	142	174	225	244	241	290	303	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-7b. Millerton Lake Storage, Alternative 4, End-of-Month Storage (TAF)

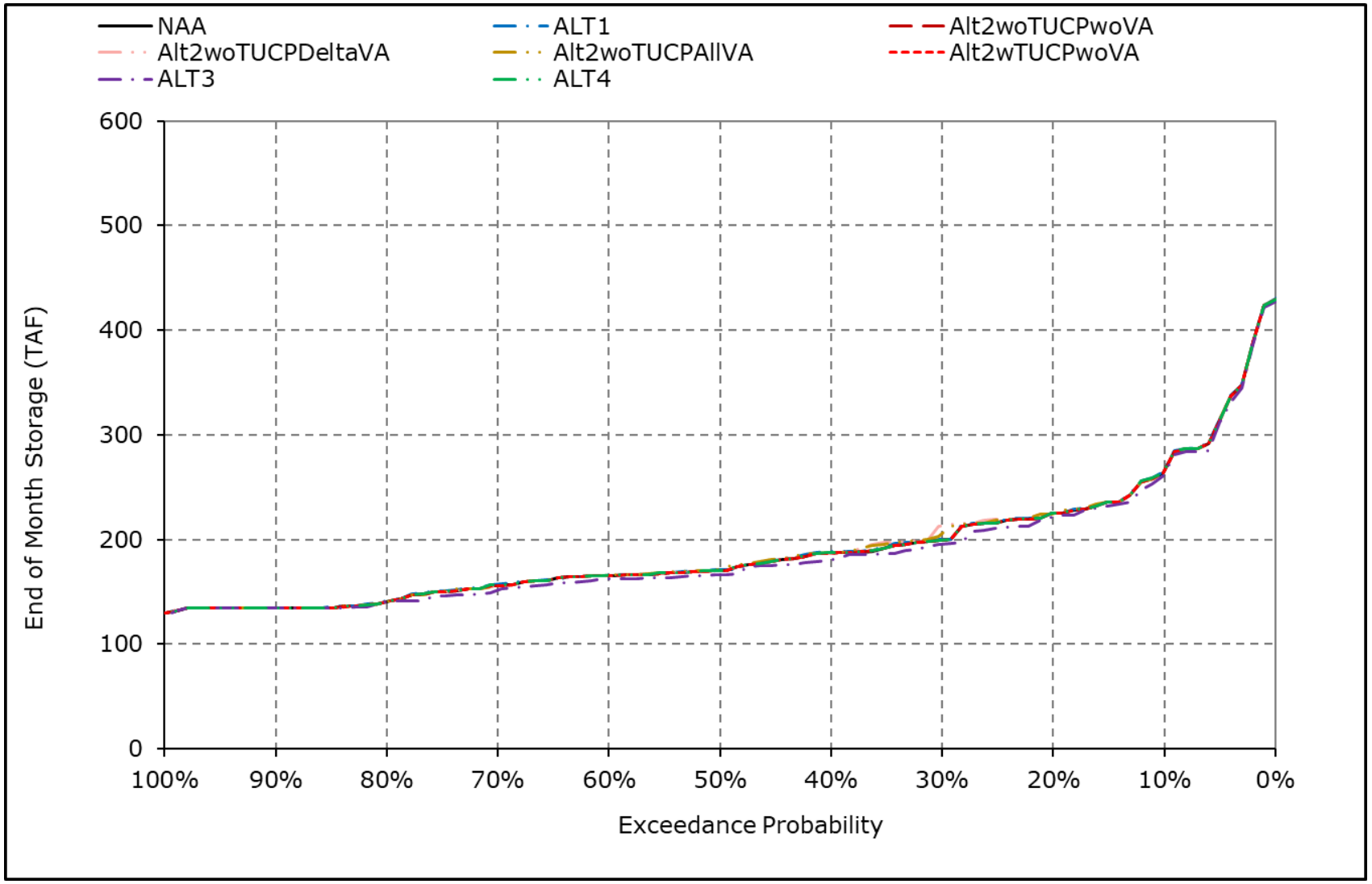
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	374	438	439	478	487	524	524	393	270	240
20% Exceedance	225	260	333	432	439	456	447	523	505	352	222	207
30% Exceedance	199	227	288	378	436	451	412	502	481	309	201	185
40% Exceedance	187	203	248	344	416	441	380	457	418	255	176	176
50% Exceedance	171	180	223	300	370	396	358	410	360	228	167	169
60% Exceedance	166	162	209	276	322	337	321	379	332	212	159	165
70% Exceedance	157	146	185	236	281	294	290	349	297	190	150	159
80% Exceedance	141	135	164	201	253	225	248	311	255	163	136	155
90% Exceedance	135	135	148	161	180	157	198	281	222	145	135	141
Full Simulation Period Average[a]	192	202	245	305	341	354	346	405	373	259	189	187
Wet Water Years (22%)	273	281	314	388	411	443	363	466	506	388	275	262
Above Normal Water Years (12%)	193	221	292	365	418	448	402	478	462	305	196	171
Below Normal Water Years (15%)	196	224	274	360	428	440	407	489	438	295	191	178
Dry Water Years (17%)	165	179	234	266	310	321	340	405	338	213	159	166
Critical Water Years (34%)	149	142	174	226	244	241	291	304	243	165	145	159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-15-7c. Millerton Lake Storage, Alternative 4 minus No Action Alternative, End-of-Month Storage (TAF)

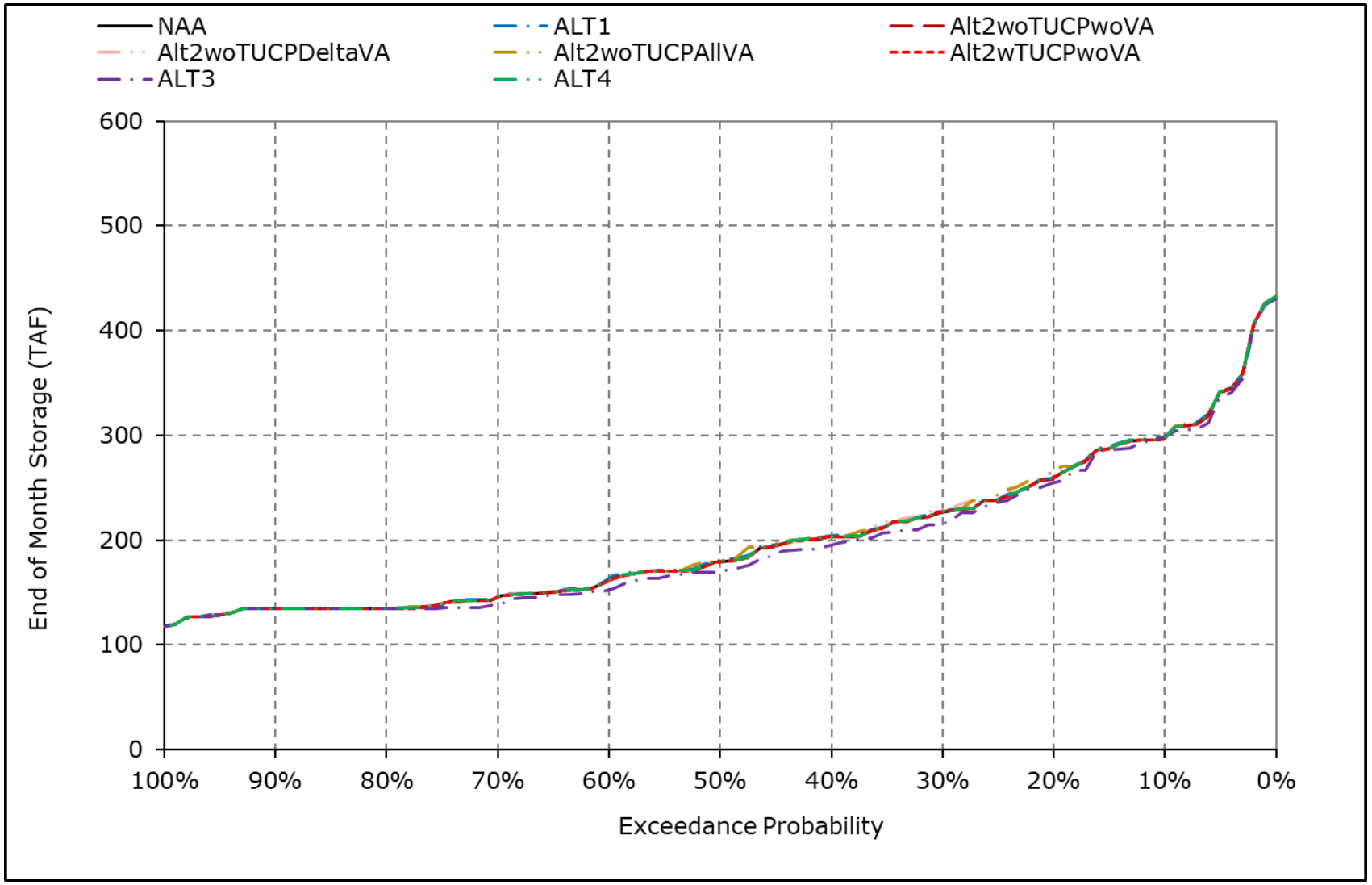
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	1	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	1	1	1	0	0	1	0	0	0	0
60% Exceedance	0	1	0	0	1	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	1	0	1	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



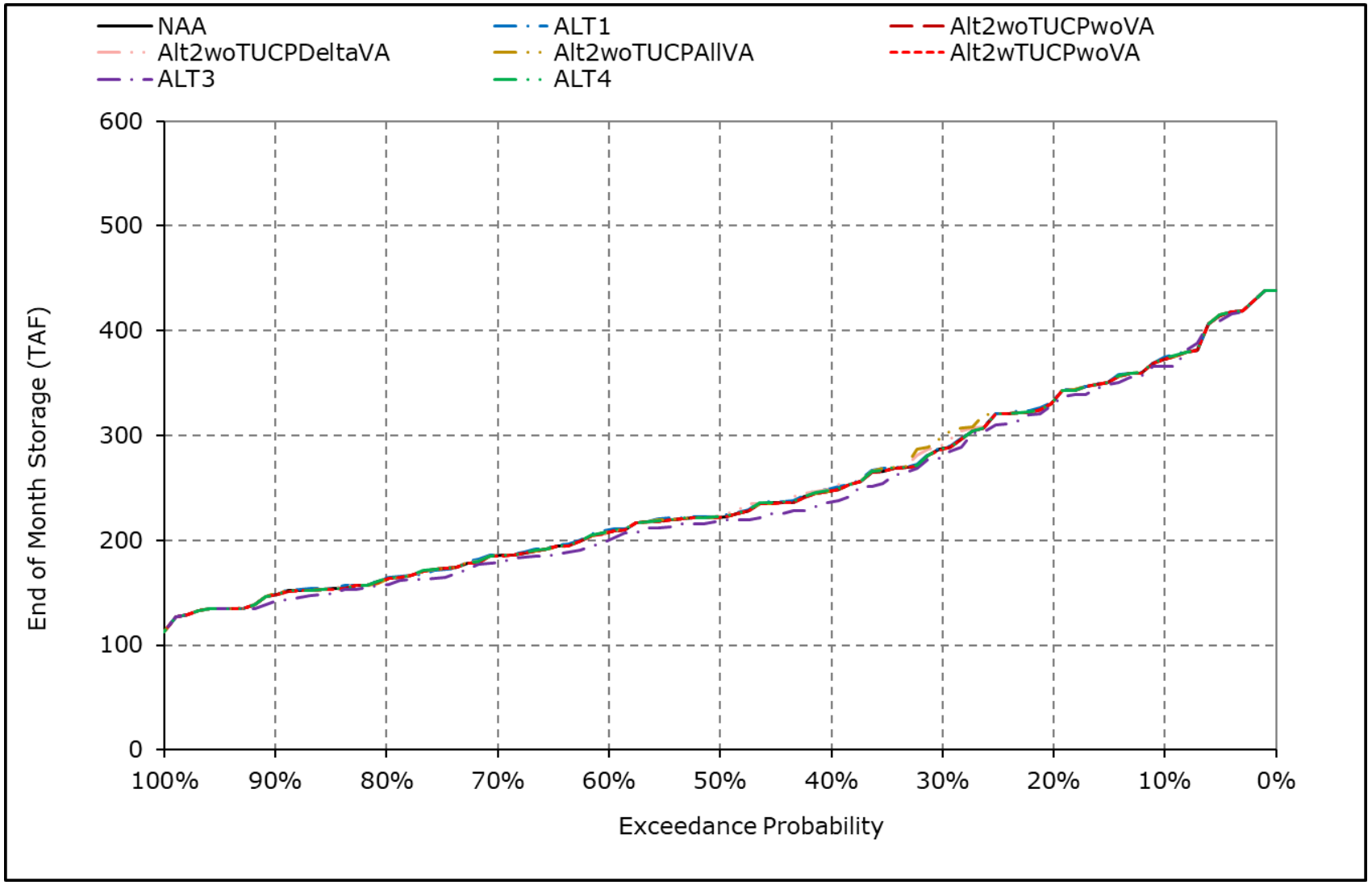
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-1. Millerton Lake Storage , October



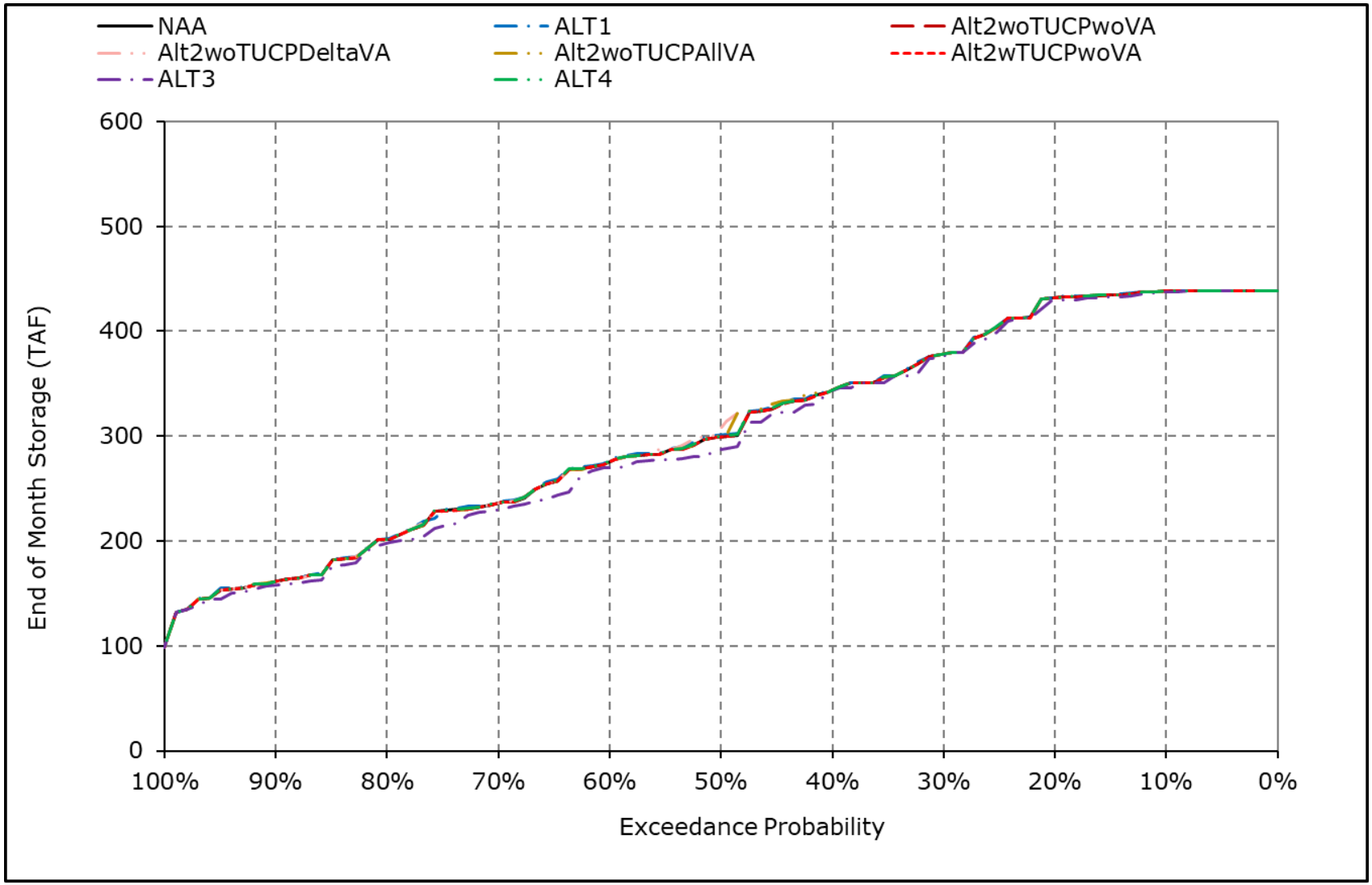
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-2. Millerton Lake Storage , November



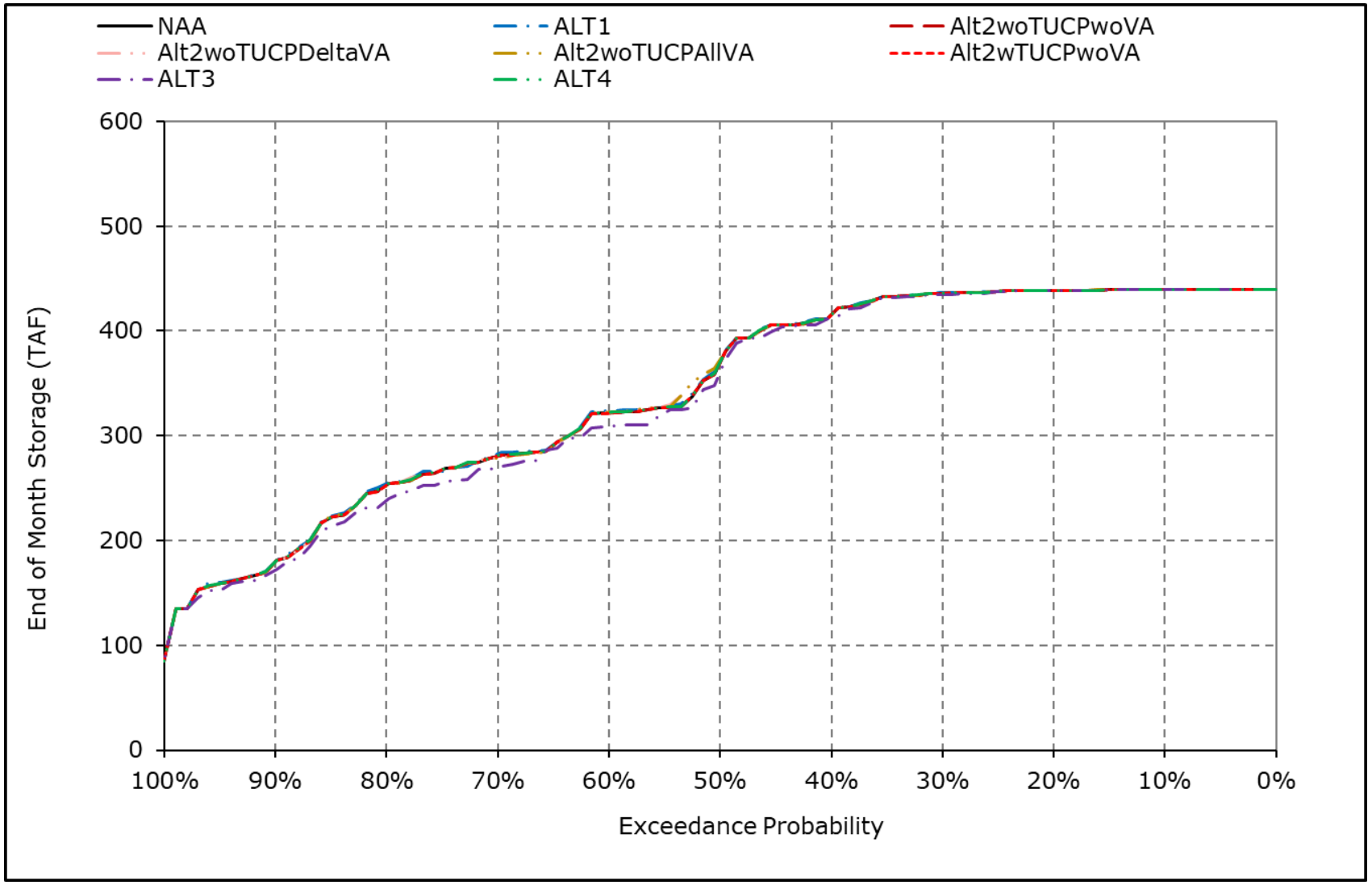
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-3. Millerton Lake Storage , December



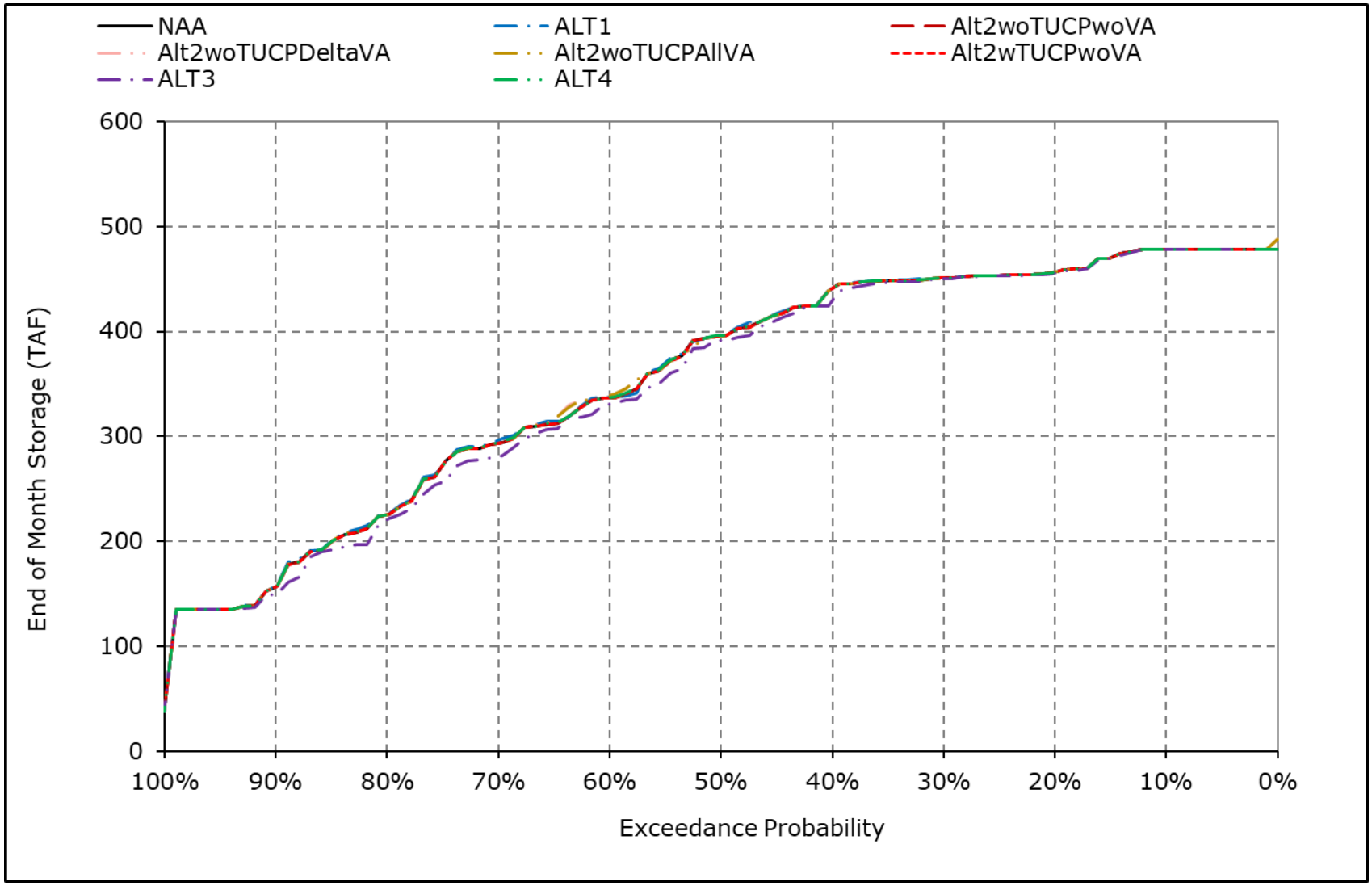
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-4. Millerton Lake Storage , January



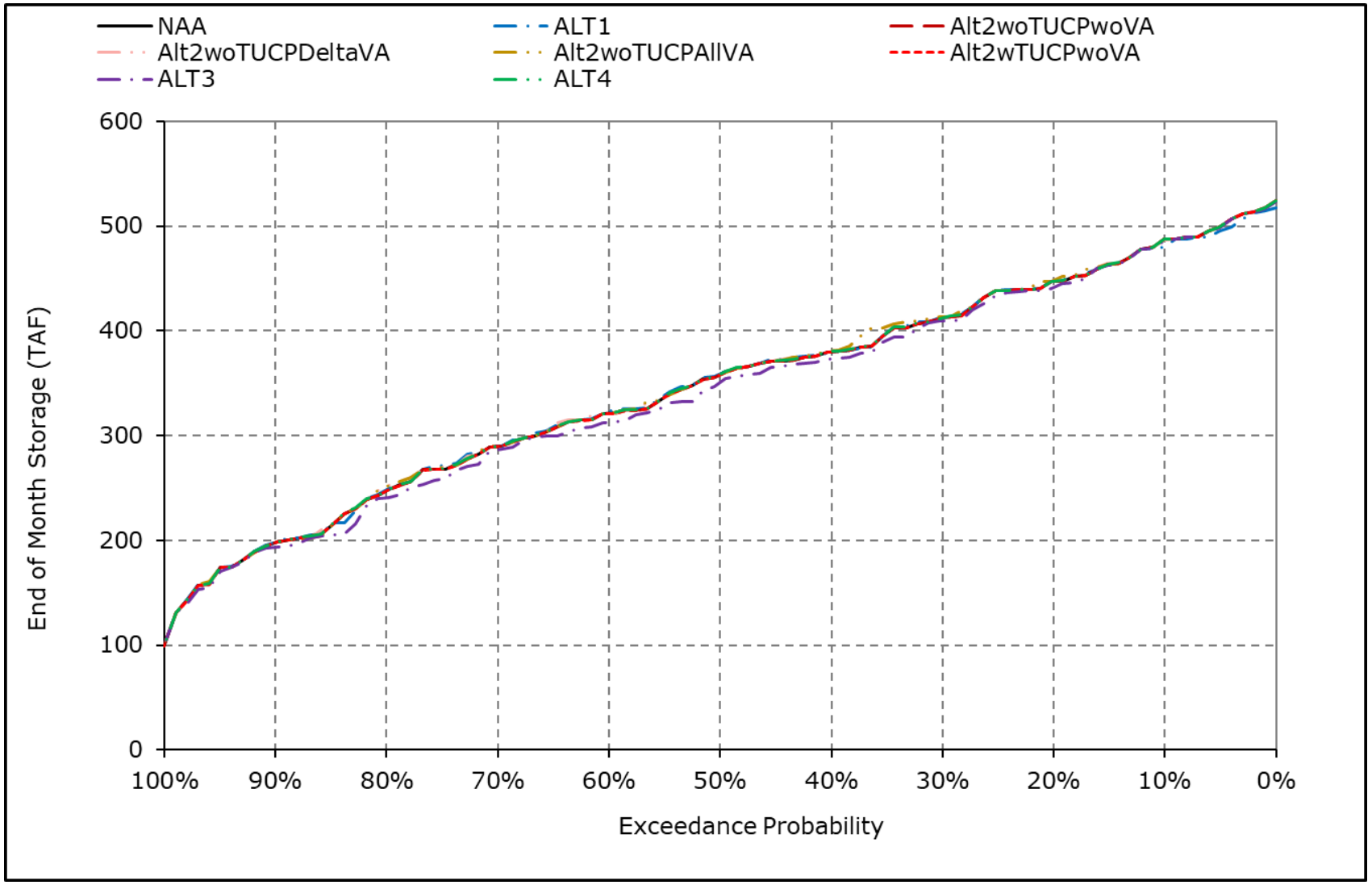
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-5. Millerton Lake Storage , February



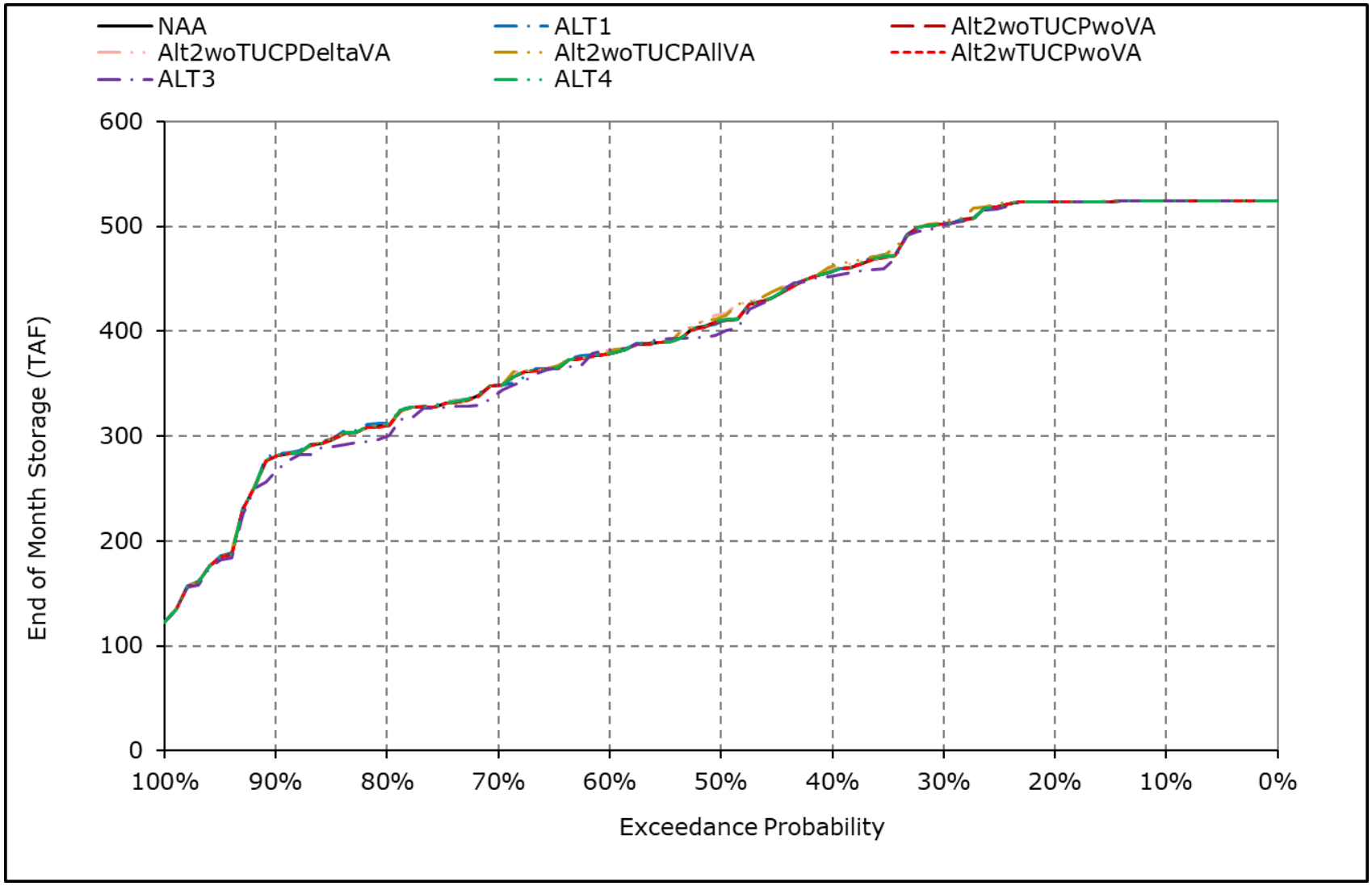
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-6. Millerton Lake Storage , March



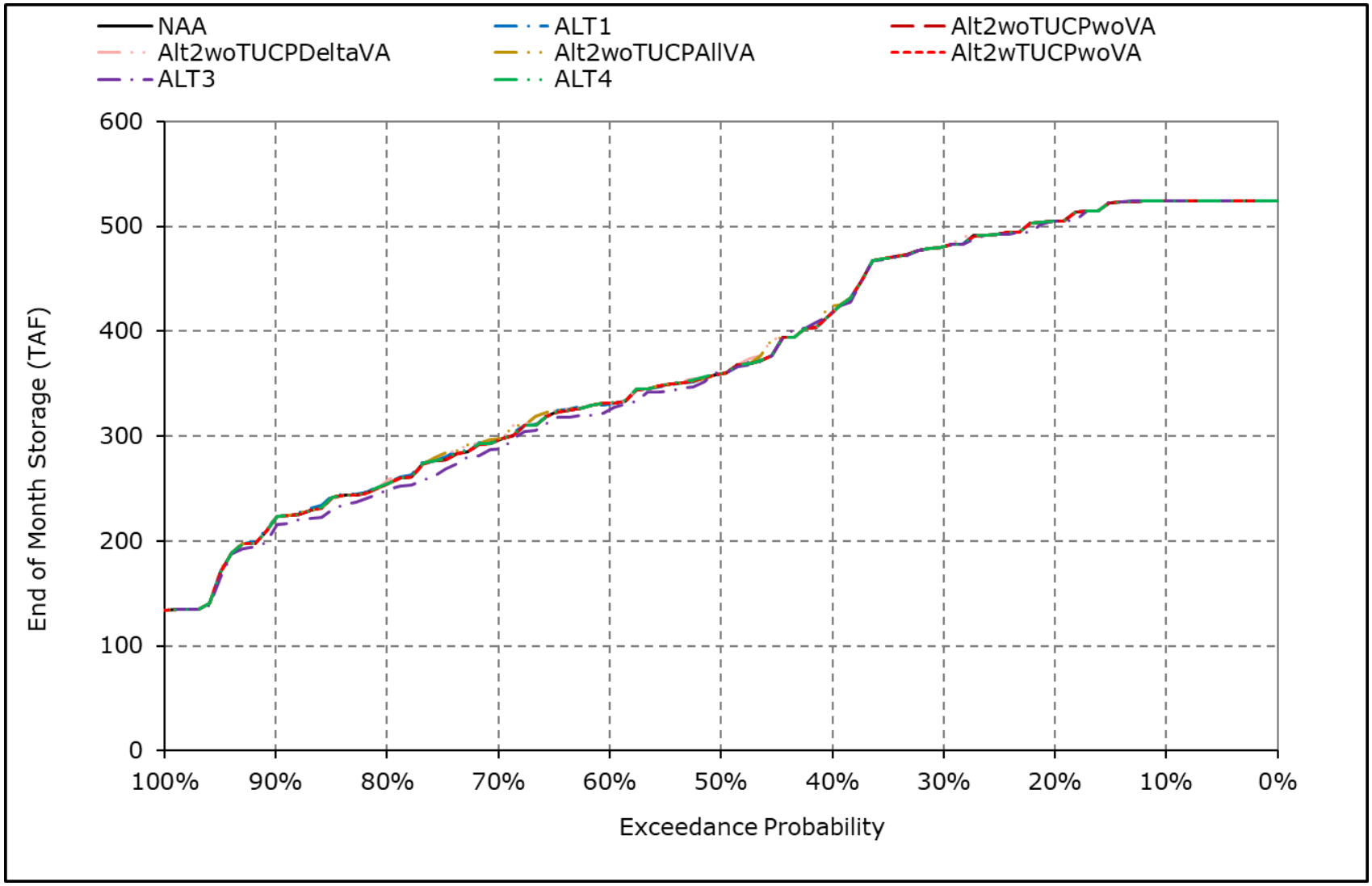
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-7. Millerton Lake Storage , April



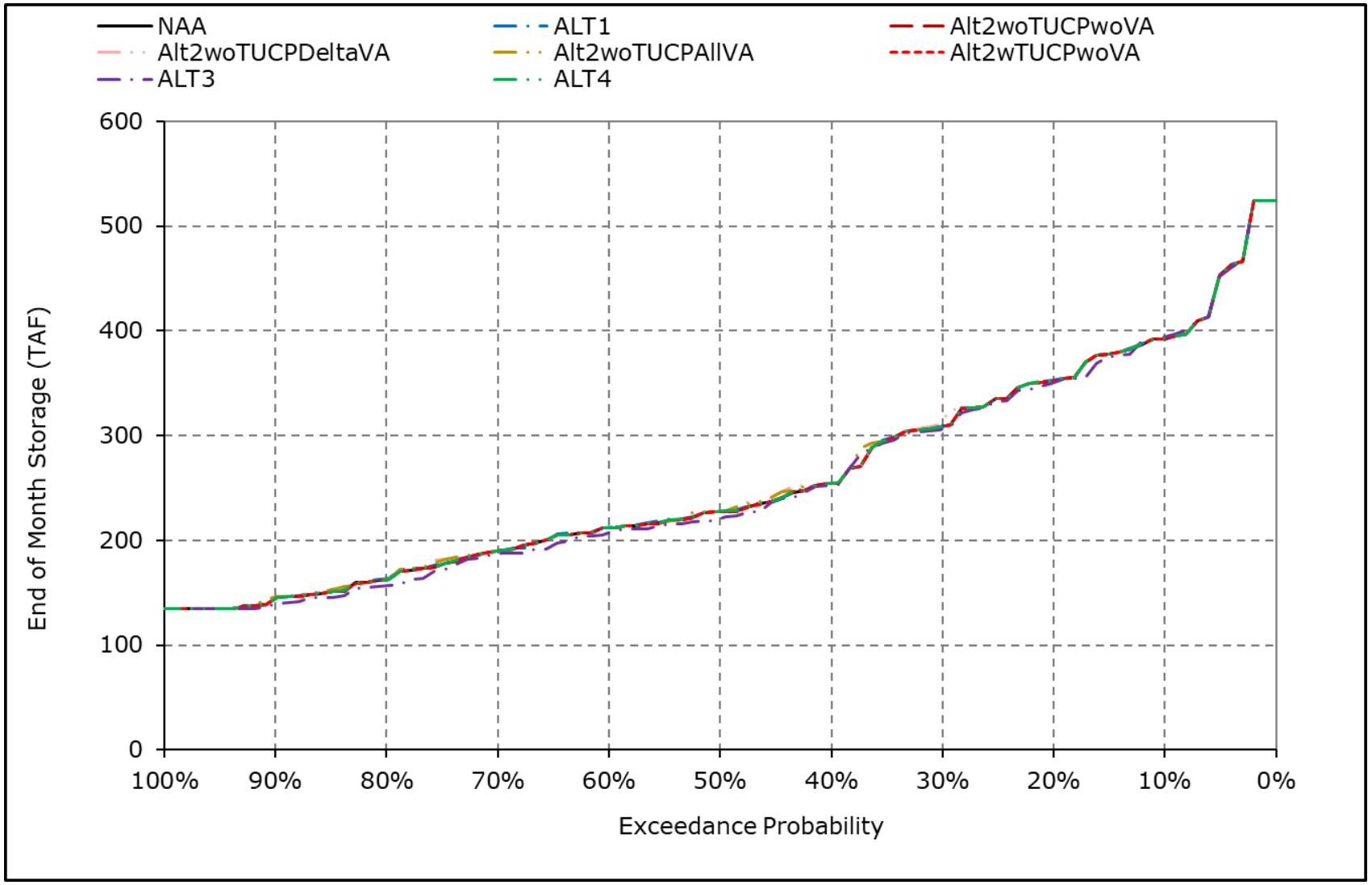
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-8. Millerton Lake Storage , May



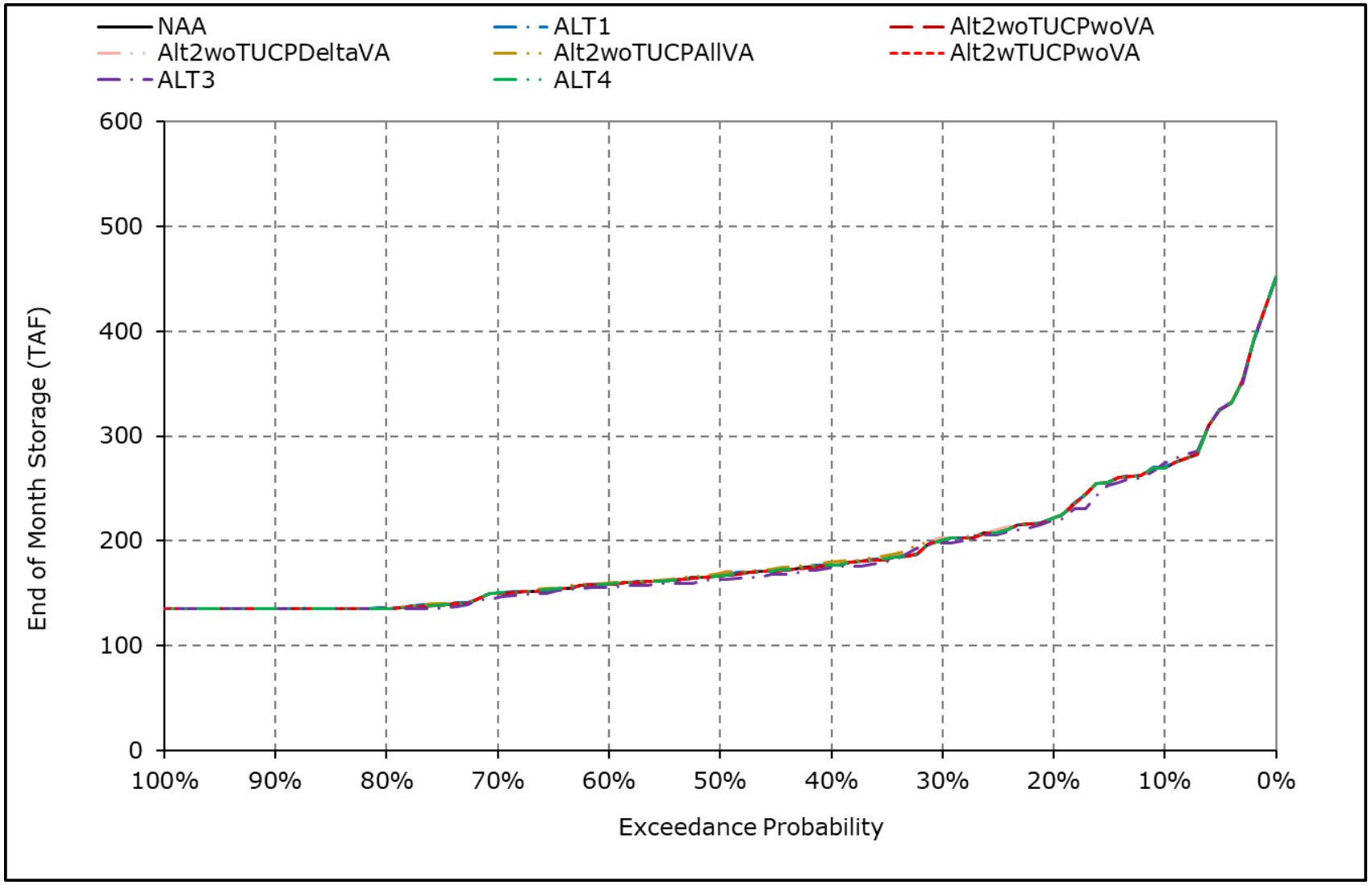
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-9. Millerton Lake Storage , June



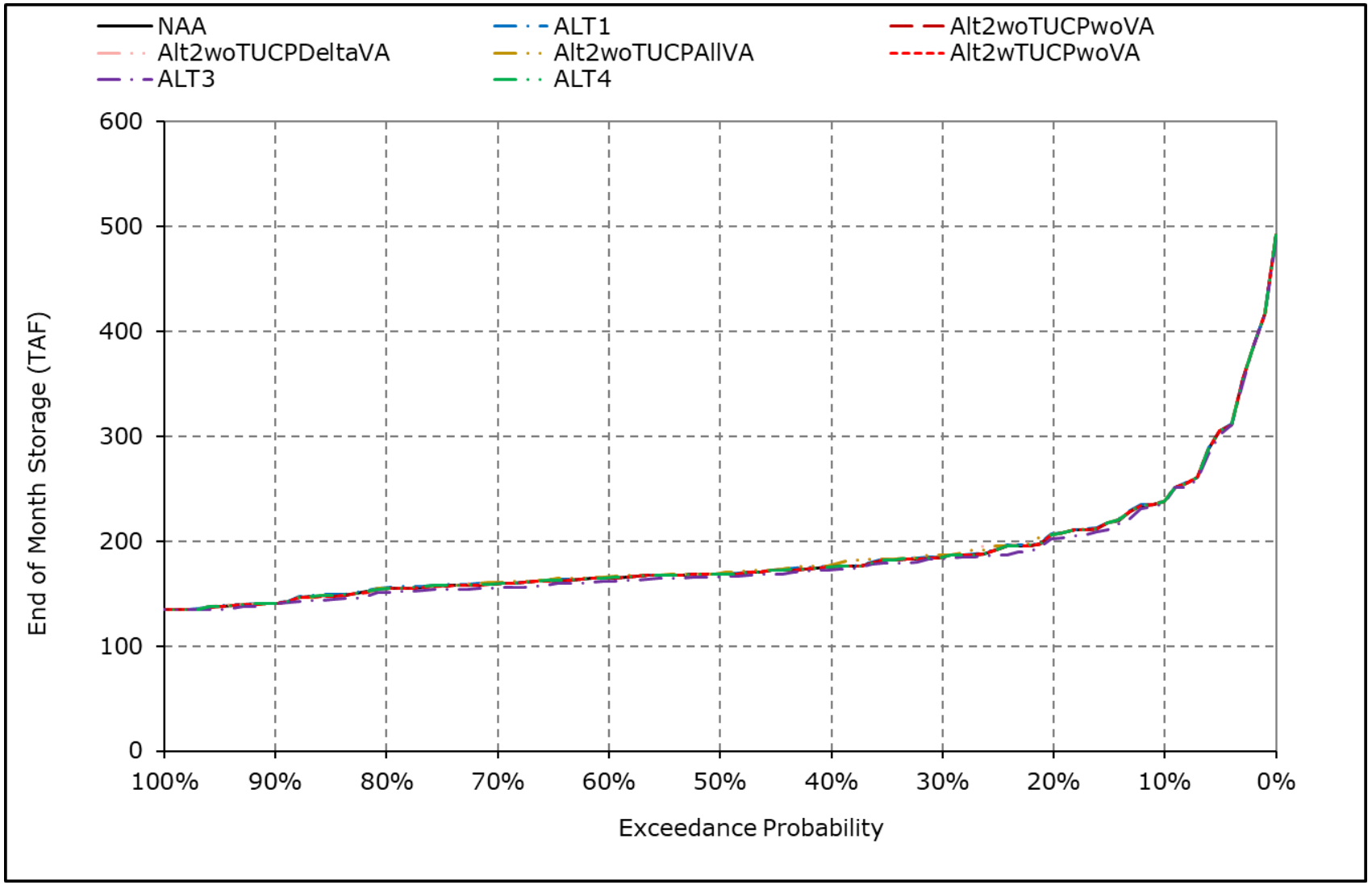
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-10. Millerton Lake Storage , July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-11. Millerton Lake Storage , August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-12. Millerton Lake Storage , September

Table F.2.1-16-1a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-1b. Millerton Lake Elevation, Alternative 1, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	527	547	561	561	568	569	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	495	505	524	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	512	539	556	561	548	564	556	513	485	485
50% Exceedance	483	487	503	527	546	552	542	554	543	504	481	482
60% Exceedance	480	479	498	520	534	537	533	548	535	499	477	480
70% Exceedance	477	472	489	508	522	526	524	540	526	491	474	478
80% Exceedance	470	467	480	495	513	504	511	531	514	479	467	476
90% Exceedance	467	467	473	479	487	477	494	522	502	471	467	470
Full Simulation Period Average[a]	489	492	507	525	534	535	536	550	542	510	488	488
Wet Water Years (22%)	517	520	530	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	483
Below Normal Water Years (15%)	493	502	517	542	558	561	552	570	559	525	490	486
Dry Water Years (17%)	480	484	505	515	529	531	536	552	537	499	477	481
Critical Water Years (34%)	473	470	483	500	506	499	520	525	508	480	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-1c. Millerton Lake Elevation, Alternative 1 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-1	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	1	0	0	0	0	0	0	0	0	0	0
40% Exceedance	1	0	1	0	0	0	0	0	0	0	0	0
50% Exceedance	1	1	0	1	0	0	0	0	0	0	0	0
60% Exceedance	0	1	1	0	1	0	0	0	0	0	0	0
70% Exceedance	1	1	0	0	1	1	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-2a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-2b. Millerton Lake Elevation, Alt2woTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	495	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	481
60% Exceedance	480	478	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	475
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	469	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-2c. Millerton Lake Elevation, Alt2woTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-3a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-3b. Millerton Lake Elevation, Alt2woTUCPDeltaVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	517	536	559	561	564	563	577	573	541	502	497
30% Exceedance	499	505	524	548	560	563	555	573	569	531	495	490
40% Exceedance	490	495	512	539	556	561	548	565	556	513	486	485
50% Exceedance	482	486	503	529	546	551	542	556	543	504	482	482
60% Exceedance	480	478	497	520	533	537	533	549	535	499	478	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	478
80% Exceedance	469	467	479	495	513	503	512	530	514	479	467	475
90% Exceedance	467	467	473	478	487	476	494	521	502	472	467	469
Full Simulation Period Average[a]	489	492	507	525	534	535	536	550	542	511	488	488
Wet Water Years (22%)	517	519	529	549	554	561	542	565	573	548	517	513
Above Normal Water Years (12%)	493	503	524	543	556	562	551	568	565	528	494	485
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	532	536	553	538	499	478	481
Critical Water Years (34%)	473	470	482	500	506	499	519	525	508	480	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-3c. Millerton Lake Elevation, Alt2woTUCPDeltaVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	2	0	0	0	0	0	0	0	0	0	0
30% Exceedance	5	1	1	0	0	0	0	0	0	2	1	1
40% Exceedance	0	0	1	0	0	0	0	1	0	0	1	1
50% Exceedance	0	0	1	2	1	0	0	1	0	0	1	0
60% Exceedance	0	0	0	0	0	1	0	1	0	0	0	0
70% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	1	0	1	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	1	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	2	2	2	1	0	0	0	0	1	1	2	2
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	1	1	1	1	1	1	1	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-4a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-4b. Millerton Lake Elevation, Alt2woTUCPAllVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	517	536	559	561	564	563	577	573	541	502	497
30% Exceedance	497	504	527	548	560	563	555	573	569	530	495	490
40% Exceedance	490	496	511	539	556	561	548	565	557	513	487	485
50% Exceedance	483	487	502	527	546	551	542	555	543	504	482	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	478	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	478
80% Exceedance	469	467	479	495	513	503	513	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	472	467	469
Full Simulation Period Average[a]	489	492	507	525	534	535	536	550	542	511	488	488
Wet Water Years (22%)	517	520	529	549	554	561	542	566	573	548	517	513
Above Normal Water Years (12%)	492	502	523	542	556	562	551	568	565	528	493	484
Below Normal Water Years (15%)	493	503	518	541	558	560	552	570	559	525	491	486
Dry Water Years (17%)	480	484	504	515	529	532	536	553	538	499	478	481
Critical Water Years (34%)	473	470	482	500	506	499	520	525	508	480	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-4c. Millerton Lake Elevation, Alt2woTUCPAllVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	2	0	0	0	0	0	0	0	0	0	0
30% Exceedance	2	0	3	0	0	0	0	0	0	0	0	1
40% Exceedance	0	0	0	0	0	0	0	1	1	0	2	1
50% Exceedance	1	0	0	0	1	0	0	1	0	0	1	0
60% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
70% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	1
80% Exceedance	0	0	0	0	0	0	1	0	0	0	0	0
90% Exceedance	0	0	1	0	0	0	0	0	0	1	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	1	1	1	0	0	0	0	0	0	1	1	1
Below Normal Water Years (15%)	1	1	1	0	0	0	0	0	0	0	1	1
Dry Water Years (17%)	0	0	0	1	1	1	1	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-5a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-5b. Millerton Lake Elevation, Alt2wTUCPwoVA, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	495	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	478	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	475
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	469	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-5c. Millerton Lake Elevation, Alt2wTUCPwoVA minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-6a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-6b. Millerton Lake Elevation, Alternative 3, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	516	527	544	560	561	568	570	577	577	551	519	507
20% Exceedance	502	514	535	559	561	564	561	577	573	540	501	495
30% Exceedance	493	500	521	547	560	563	554	573	569	529	494	488
40% Exceedance	487	493	507	539	555	559	546	563	556	513	484	483
50% Exceedance	480	482	501	523	543	550	541	552	543	502	479	480
60% Exceedance	479	475	495	518	530	535	531	548	534	497	476	479
70% Exceedance	474	468	486	505	518	521	523	538	523	490	472	476
80% Exceedance	469	467	477	494	508	502	509	527	511	476	467	474
90% Exceedance	467	467	470	477	483	473	492	517	499	469	467	469
Full Simulation Period Average[a]	488	490	505	523	533	533	534	549	541	509	487	486
Wet Water Years (22%)	515	517	527	548	554	560	541	565	573	547	516	512
Above Normal Water Years (12%)	490	499	521	541	555	562	550	568	564	527	491	481
Below Normal Water Years (15%)	490	499	515	540	558	560	551	570	559	524	489	484
Dry Water Years (17%)	478	482	502	512	526	529	533	551	535	497	476	479
Critical Water Years (34%)	472	469	481	498	504	497	517	523	506	478	471	476

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-6c. Millerton Lake Elevation, Alternative 3 minus No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	-2	0	0	0	0	0	0	0	1	-1
20% Exceedance	-1	-1	-1	0	0	0	-1	0	0	-1	-1	-2
30% Exceedance	-1	-4	-2	0	0	0	-1	0	0	-1	-1	-1
40% Exceedance	-3	-3	-4	0	-1	-2	-2	-1	0	-1	-1	-1
50% Exceedance	-2	-4	-1	-4	-2	-1	-2	-2	0	-2	-1	-1
60% Exceedance	-1	-4	-3	-2	-3	-1	-2	1	-2	-2	-1	-1
70% Exceedance	-2	-3	-3	-2	-3	-4	-1	-2	-3	-1	-2	-2
80% Exceedance	0	0	-2	-1	-5	-2	-2	-3	-2	-3	0	-2
90% Exceedance	0	0	-3	-2	-4	-3	-2	-4	-3	-2	0	0
Full Simulation Period Average[a]	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
Wet Water Years (22%)	-2	-2	-2	-1	0	0	0	0	0	-1	-1	-1
Above Normal Water Years (12%)	-1	-2	-1	-1	-1	-1	-1	0	0	0	-1	-1
Below Normal Water Years (15%)	-2	-2	-2	-1	-1	-1	-1	0	0	-1	-1	-2
Dry Water Years (17%)	-2	-2	-3	-2	-2	-3	-2	-2	-2	-2	-1	-2
Critical Water Years (34%)	-1	-1	-1	-2	-2	-2	-2	-2	-2	-1	-1	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-7a. Millerton Lake Elevation, No Action Alternative, End-of-Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	486	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	535	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	477
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	524	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	519	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	560	552	570	559	524	490	485
Dry Water Years (17%)	480	484	504	515	529	531	536	552	537	499	477	480
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-7b. Millerton Lake Elevation, Alternative 4, End-of-Month Elevation (Feet)

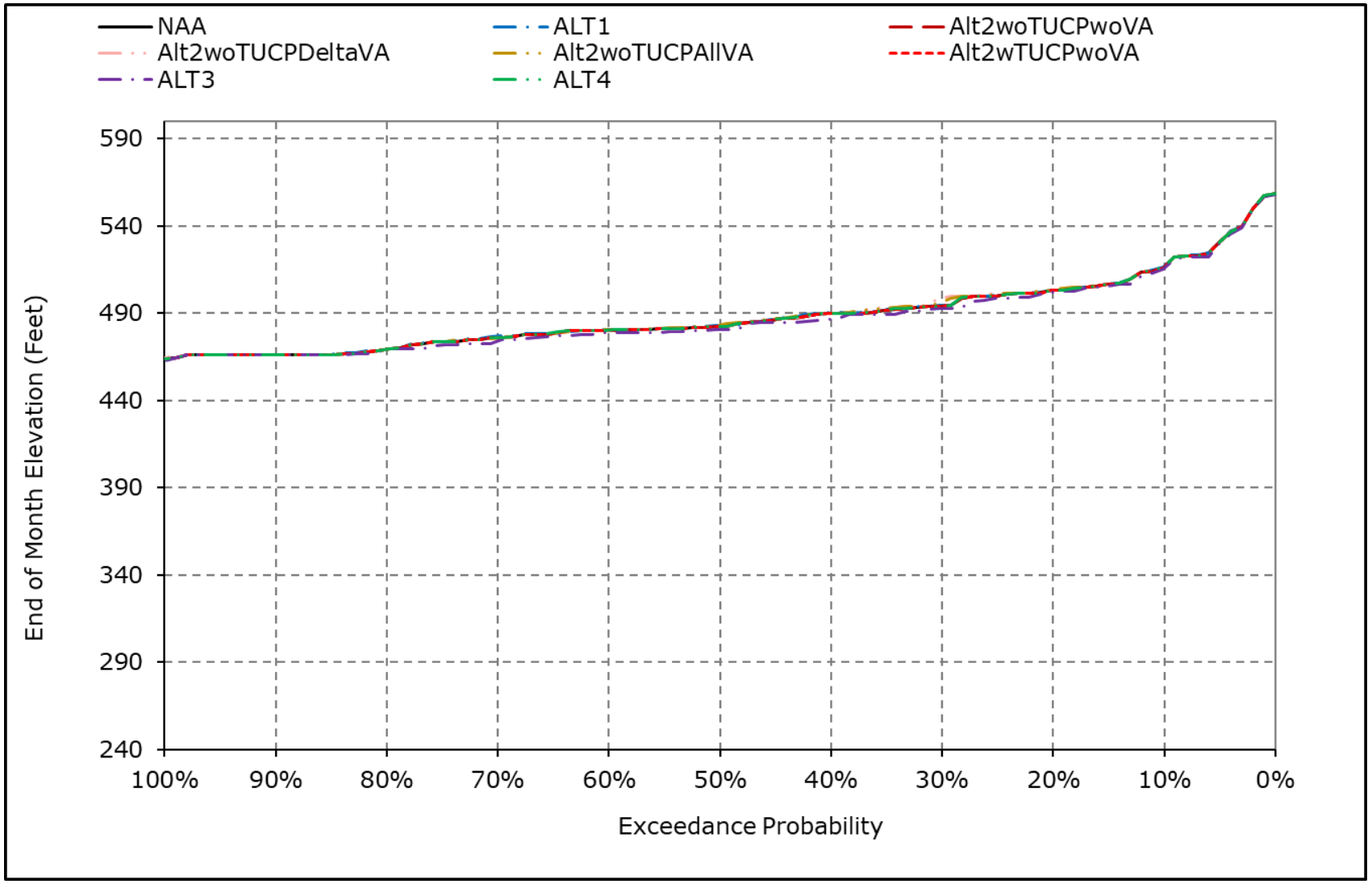
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	515	536	559	561	564	562	577	573	541	502	497
30% Exceedance	494	504	523	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	564	556	513	485	485
50% Exceedance	482	487	502	527	545	551	542	554	543	504	481	482
60% Exceedance	480	479	498	520	533	537	533	548	536	499	477	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	474	478
80% Exceedance	469	467	479	495	513	503	511	530	513	479	467	476
90% Exceedance	467	467	473	478	487	476	494	521	502	471	467	469
Full Simulation Period Average[a]	489	492	507	525	534	535	536	550	542	510	488	487
Wet Water Years (22%)	517	520	529	549	554	561	541	565	573	548	517	513
Above Normal Water Years (12%)	491	501	522	542	556	562	551	568	564	527	492	482
Below Normal Water Years (15%)	492	502	517	541	558	561	552	570	559	525	490	485
Dry Water Years (17%)	480	484	505	515	529	531	536	553	537	499	478	481
Critical Water Years (34%)	473	470	482	500	506	499	519	524	507	479	471	477

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.1-16-7c. Millerton Lake Elevation, Alternative 4 minus No Action Alternative, End-of-Month Elevation (Feet)

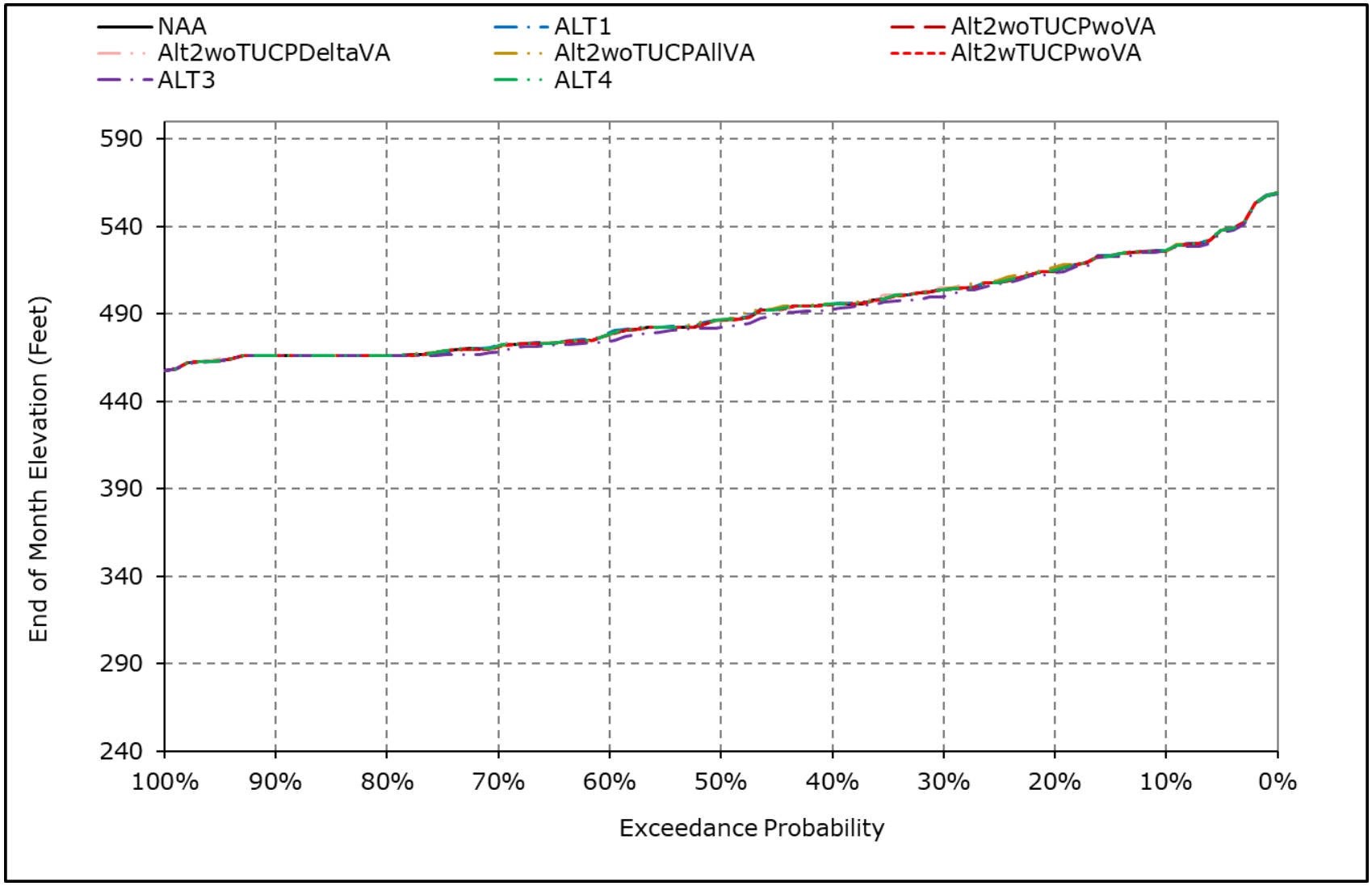
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



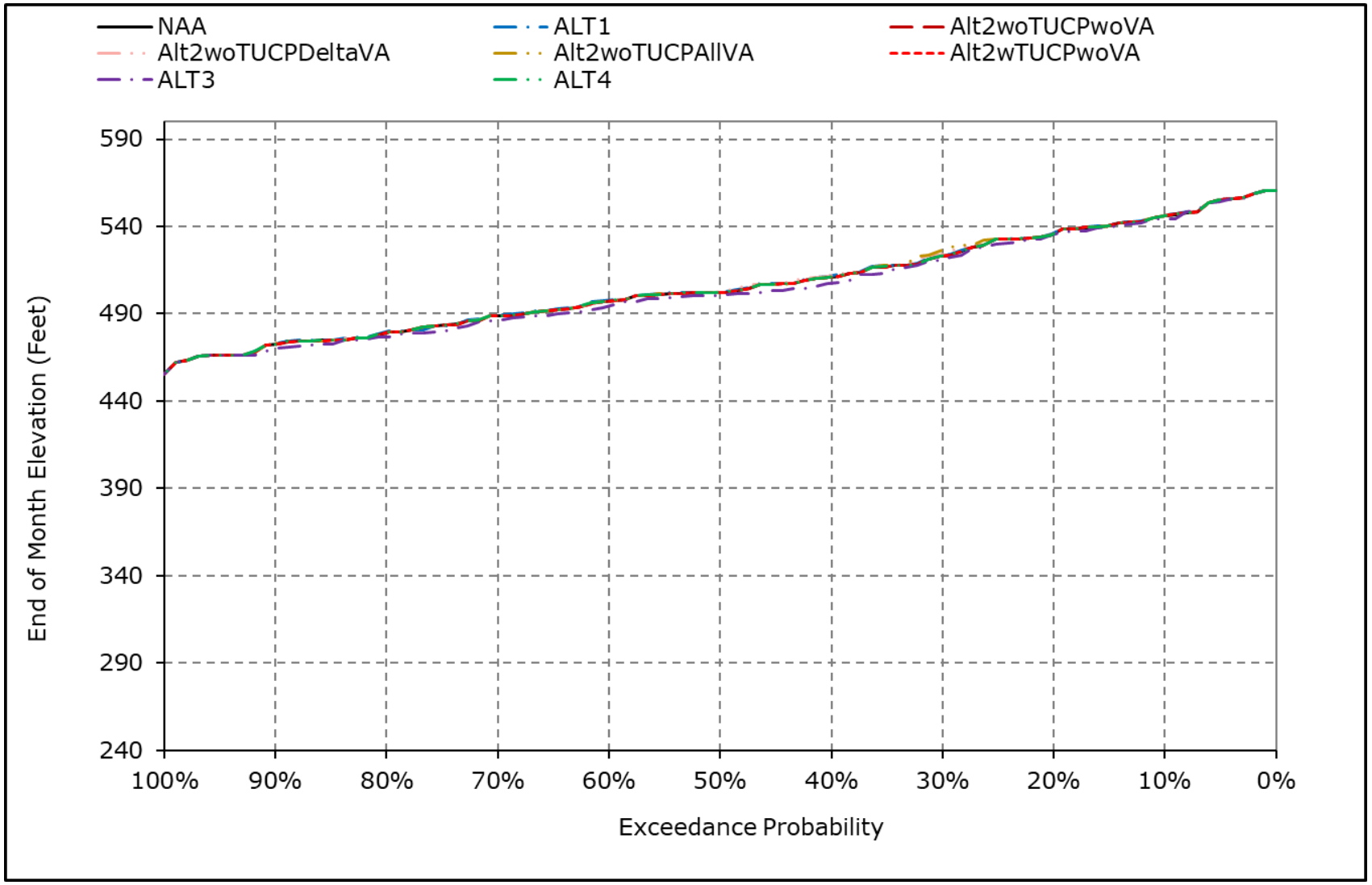
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-1. Millerton Lake Elevation , October



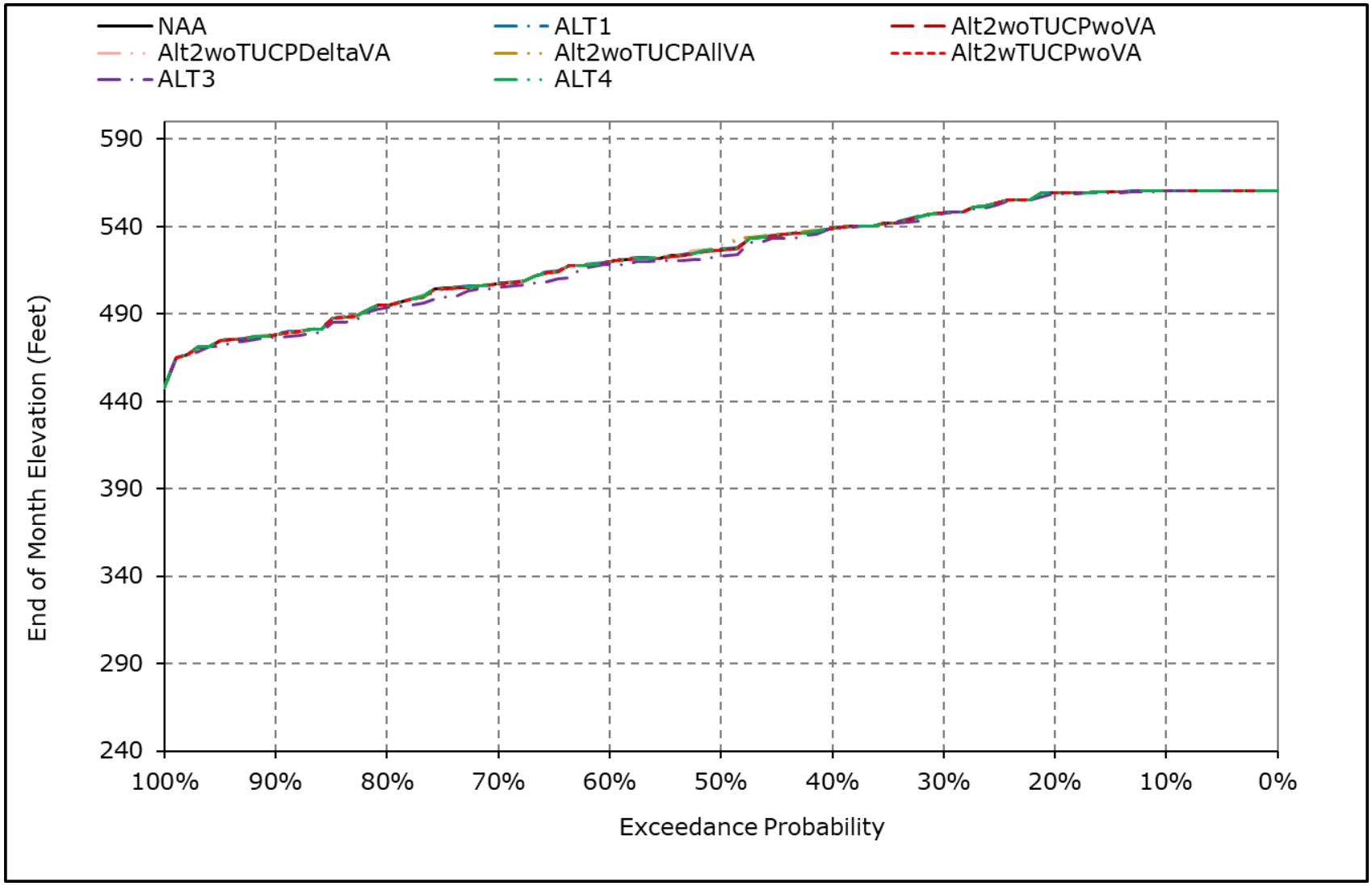
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-2. Millerton Lake Elevation , November



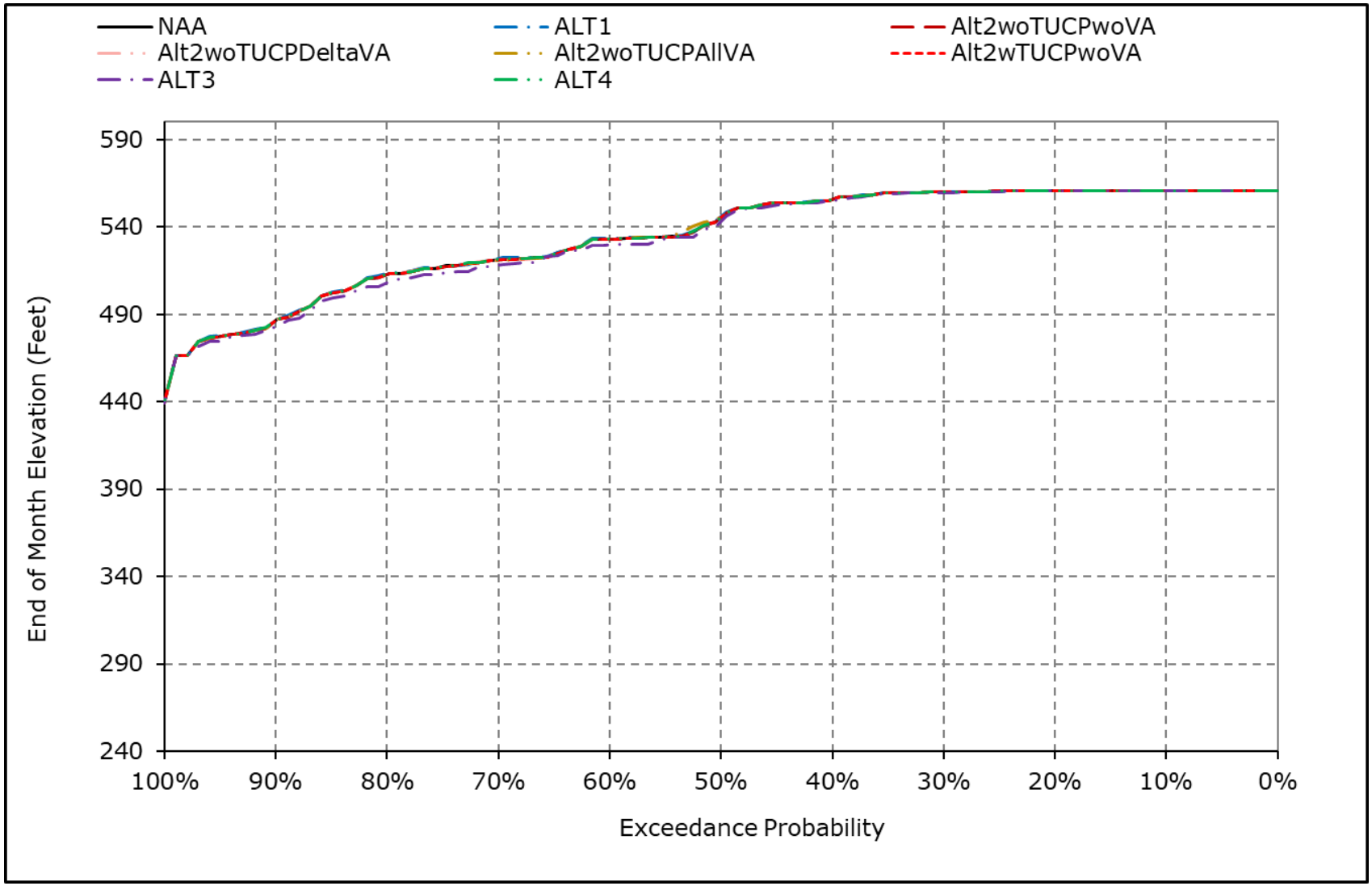
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-3. Millerton Lake Elevation , December



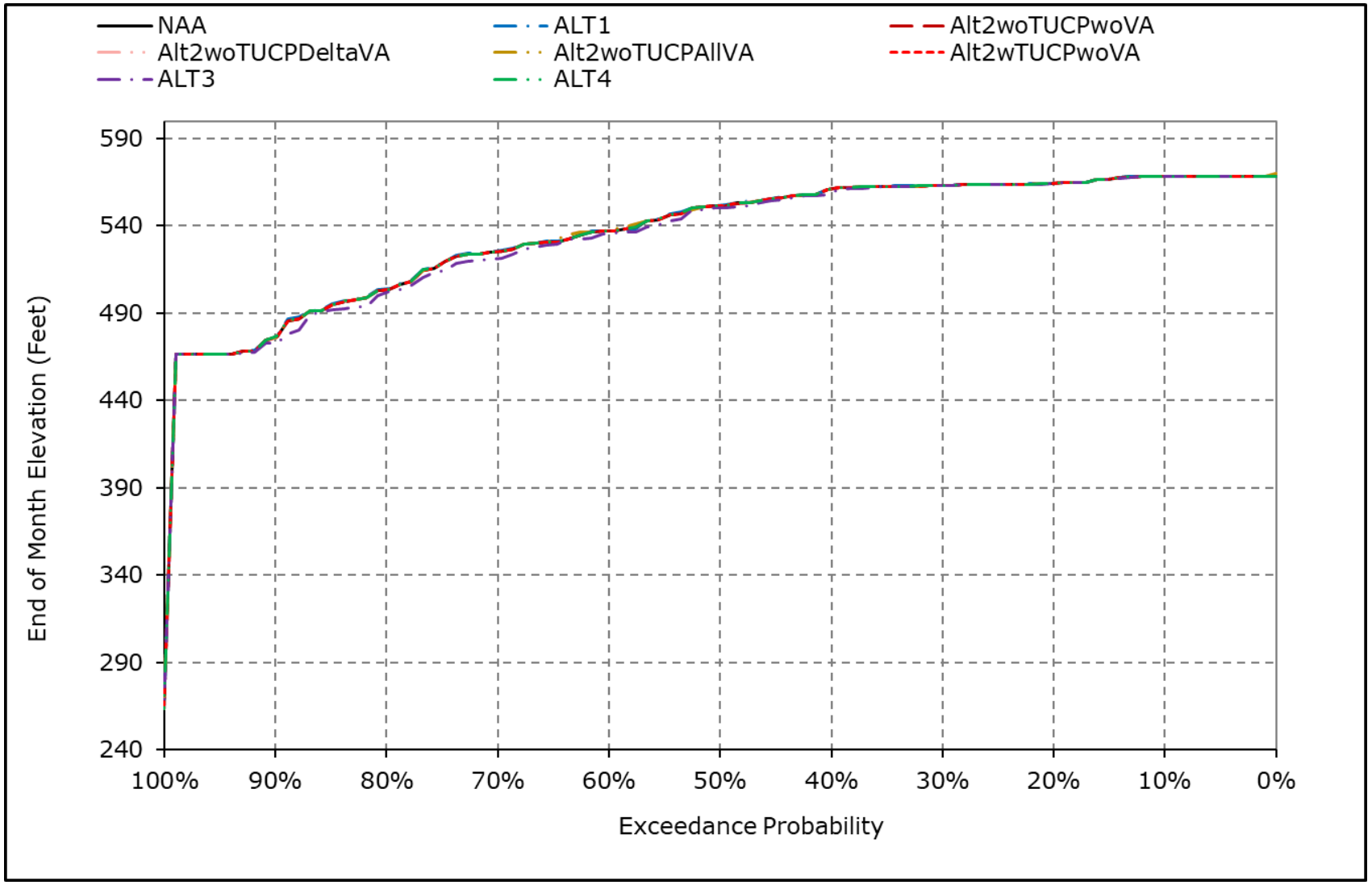
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-4. Millerton Lake Elevation , January



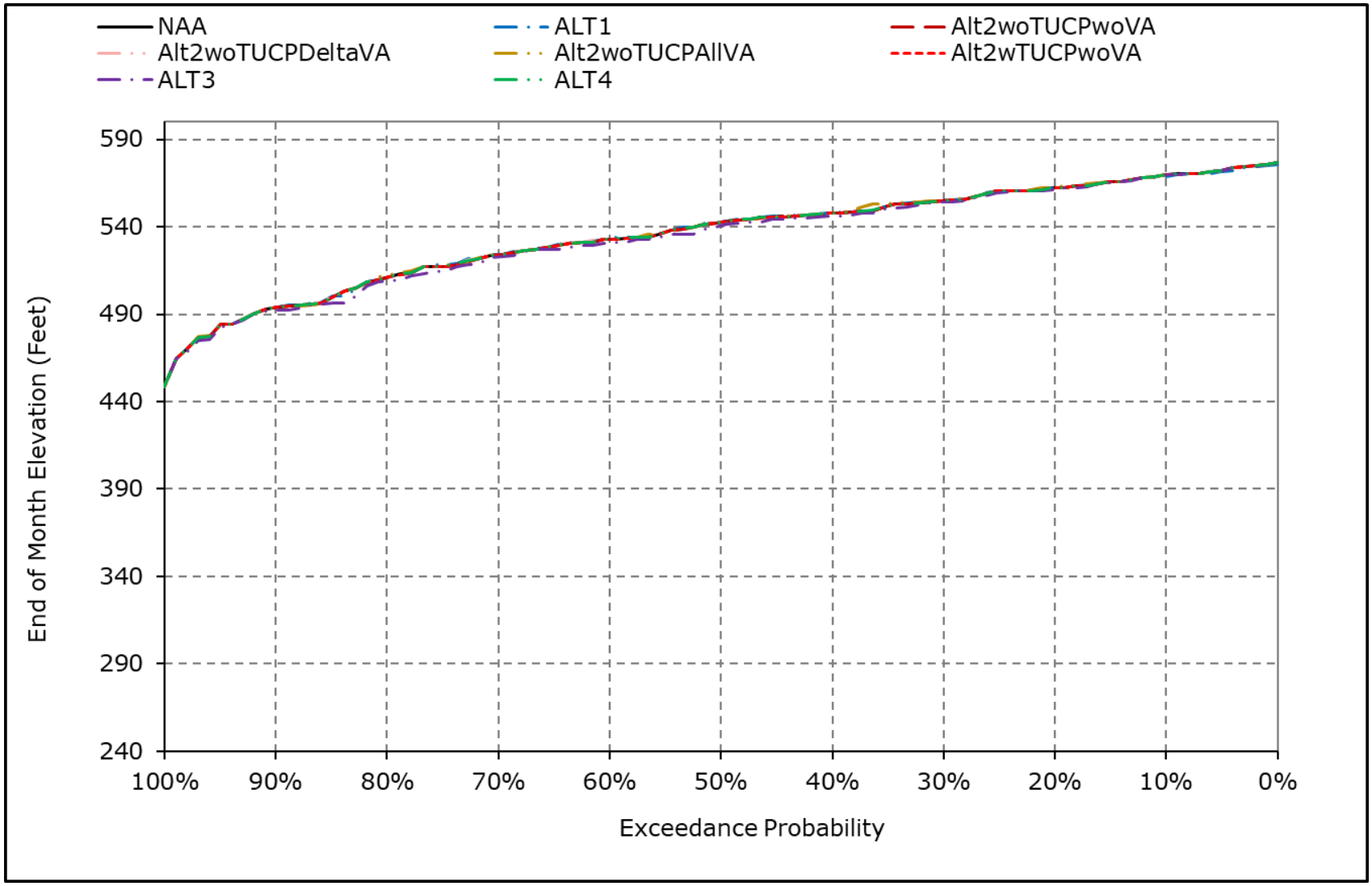
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-5. Millerton Lake Elevation , February



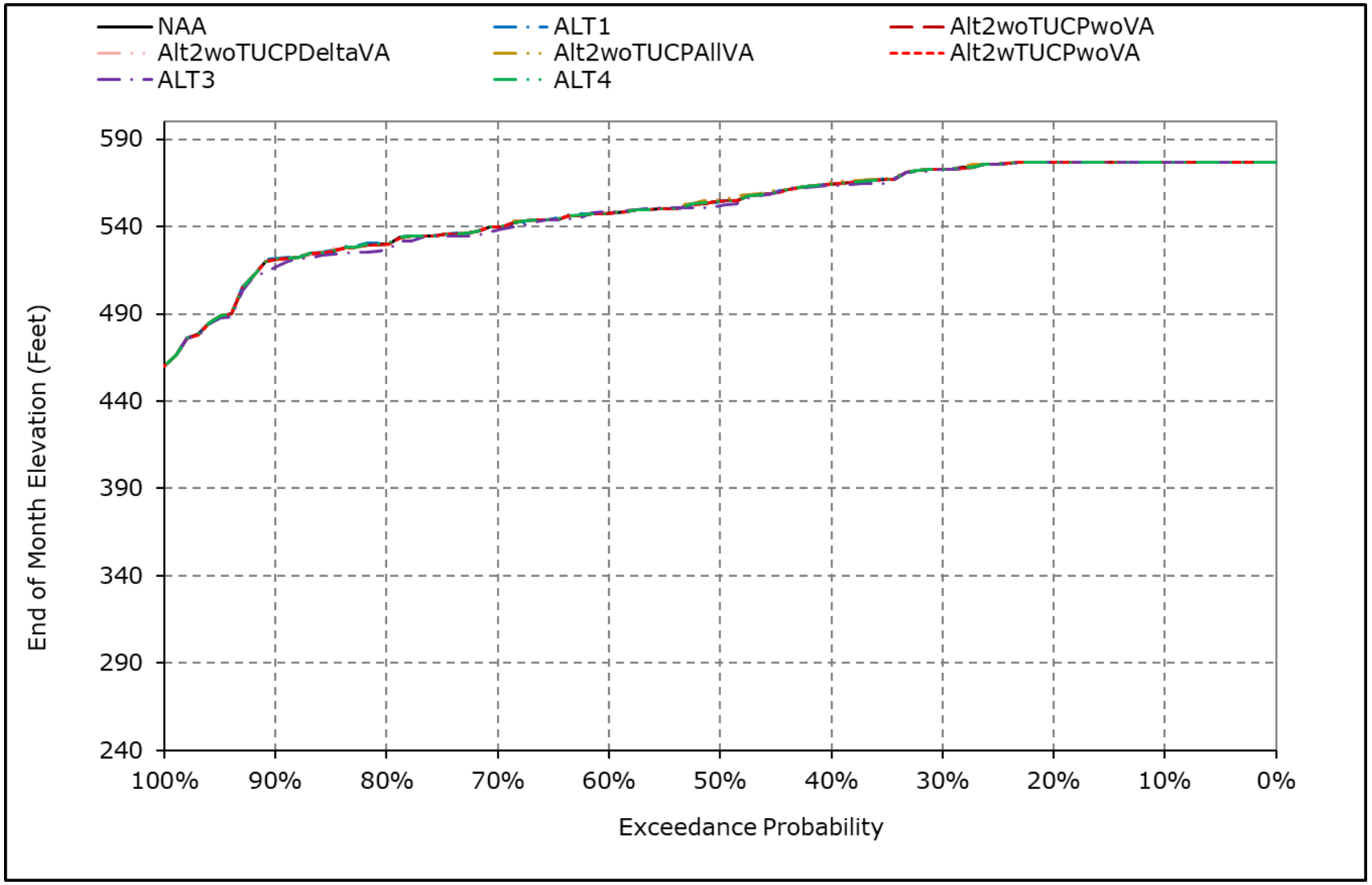
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-6. Millerton Lake Elevation , March



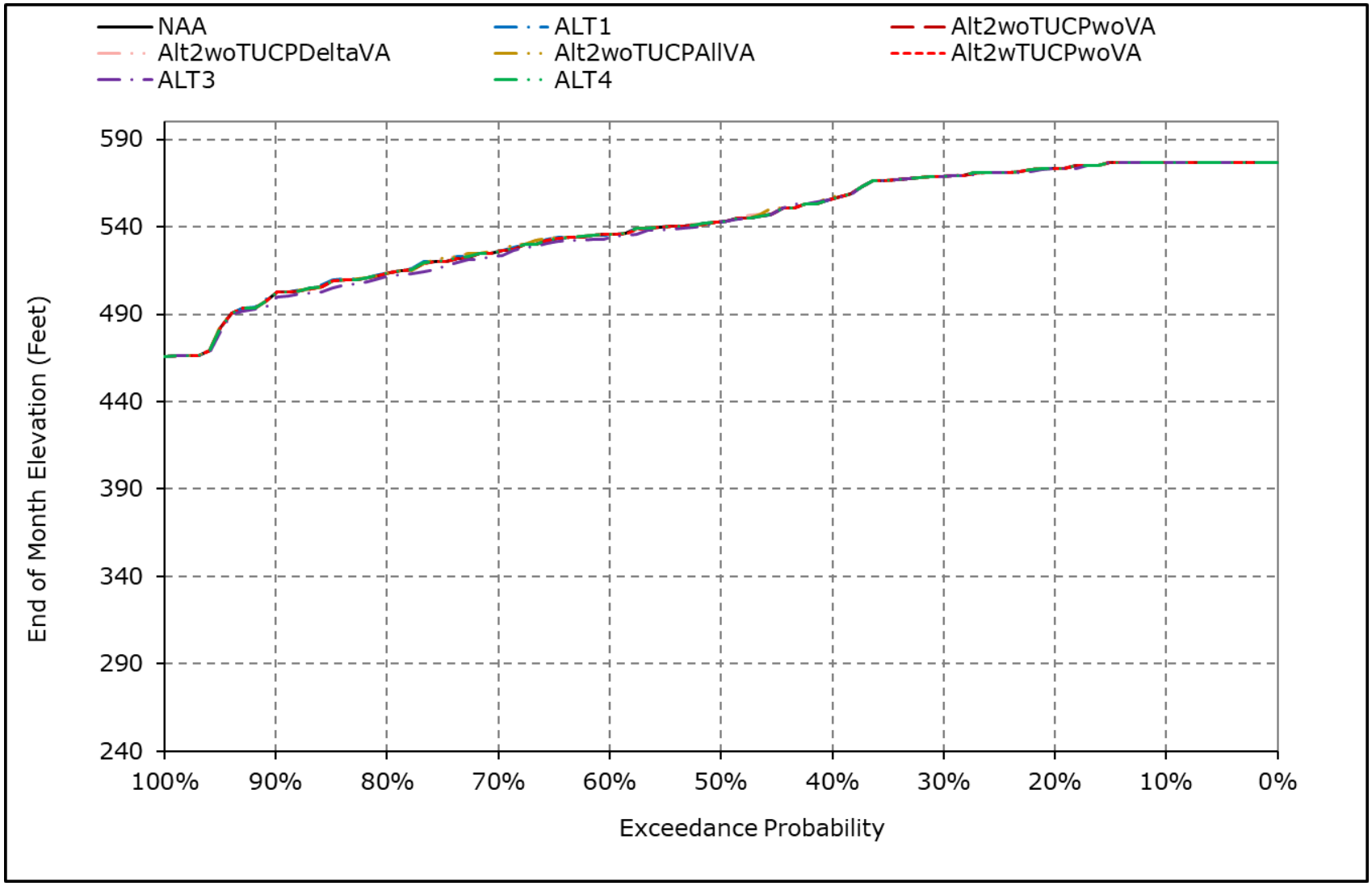
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-7. Millerton Lake Elevation , April



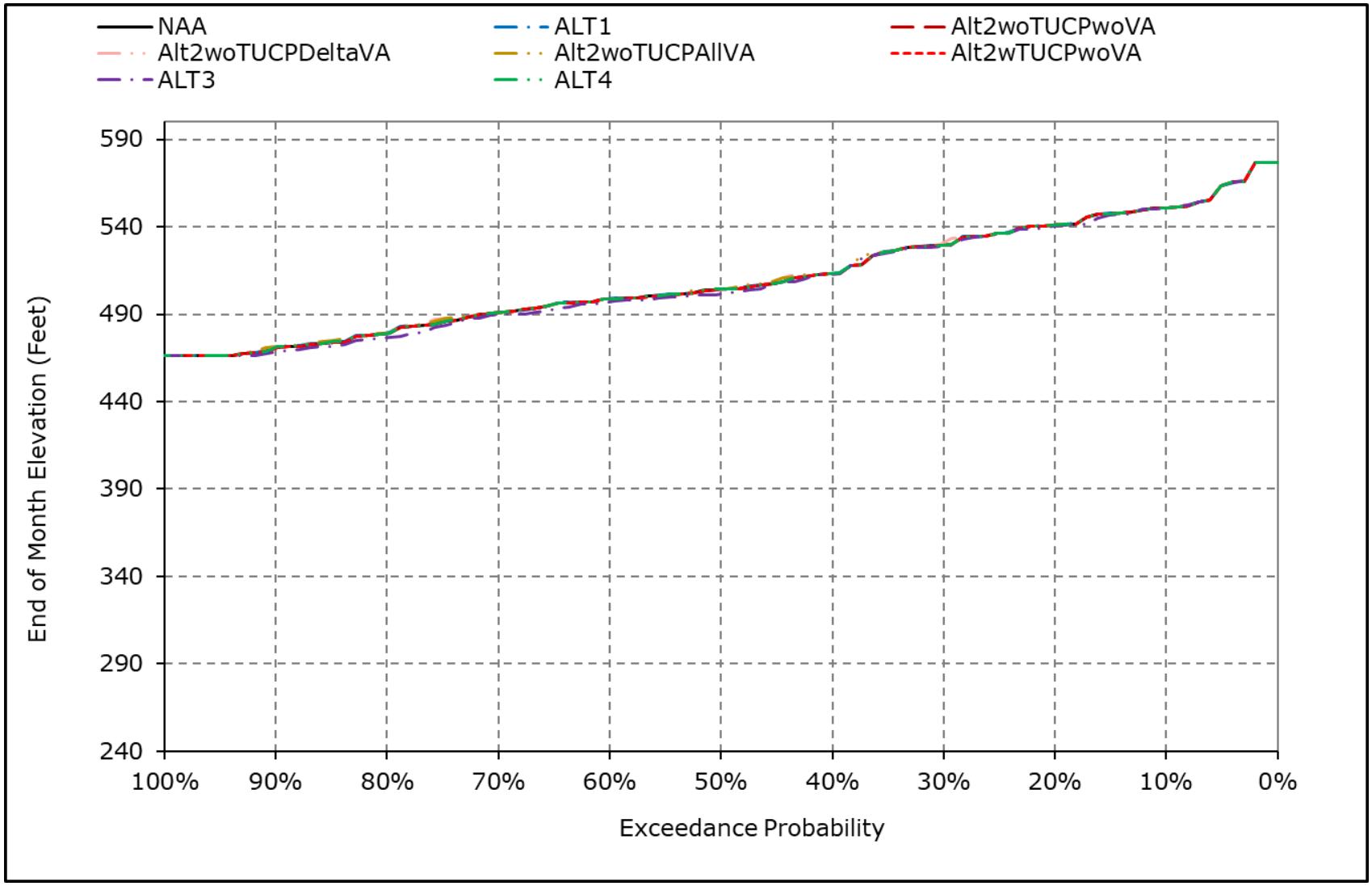
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-8. Millerton Lake Elevation , May



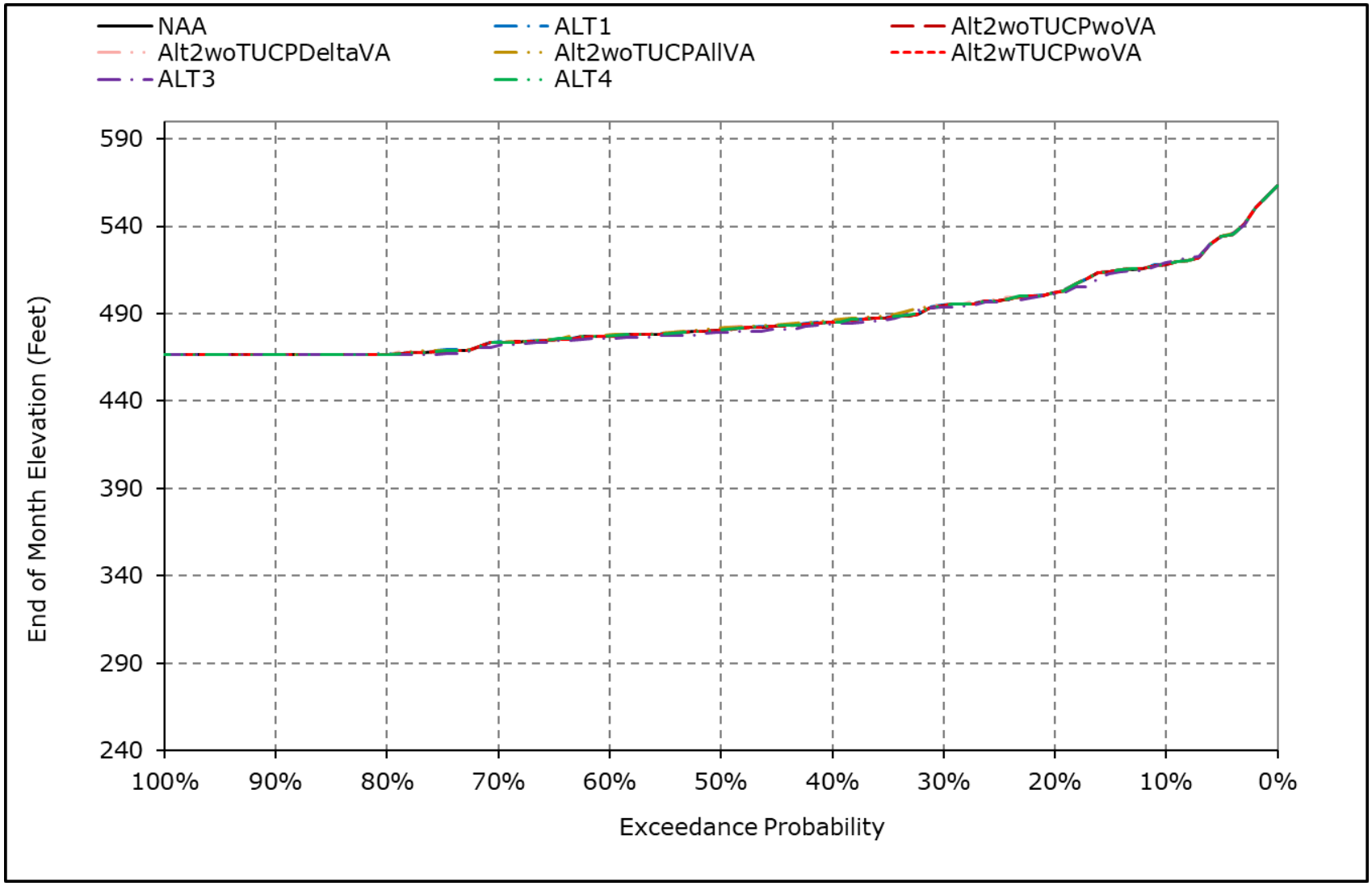
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-9. Millerton Lake Elevation , June



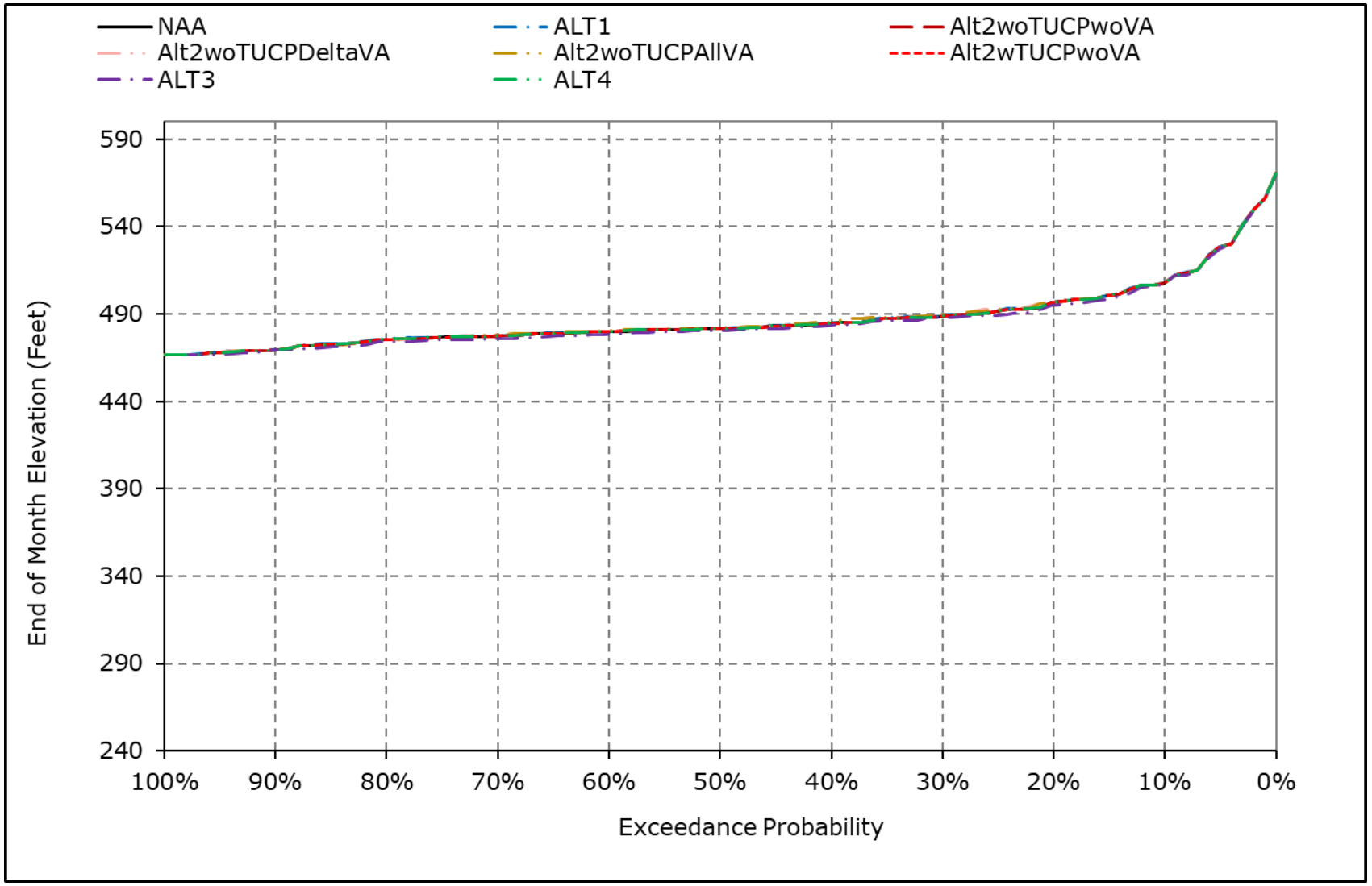
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-10. Millerton Lake Elevation , July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-11. Millerton Lake Elevation , August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-12. Millerton Lake Elevation , September

Appendix F, Modeling

Attachment 2-2 CalSim 3–Flow

Results

The following results of the CalSim 3 model with 2022 Median climate conditions and 15 cm sea level rise are included for flow at key project locations for the following alternatives:

- No Action Alternative 090723 (NAA)
- ALT1 090923 (ALT1)
- Alt2woTUCPwoVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAllVA 091324 (Alt2woTUCPAllVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- ALT3 092423 (ALT3)
- ALT4 091624 (ALT4)

Section	**Output Parameters**	**Table Numbers**	**Figure Numbers**
Section	Output Parameters	Table Numbers	Figure Numbers
Flow	Trinity River Flow below Lewiston	F.2.2-1-1a to F.2.2-1-7c	F.2.2-1-1 to F.2.2-1-18
Flow	Clear Creek below Whiskeytown Dam Flow	F.2.2-2-1a to F.2.2-2-7c	F.2.2-2-1 to F.2.2-2-18
Flow	Sacramento River Flow downstream of Keswick Reservoir	F.2.2-3-1a to F.2.2-3-7c	F.2.2-3-1 to F.2.2-3-18
Flow	Sacramento Flow River at Bend Bridge	F.2.2-4-1a to F.2.2-4-7c	F.2.2-4-1 to F.2.2-4-18
Flow	Sacramento River below Red Bluff Diversion Dam Flow	F.2.2-5-1a to F.2.2-5-7c	F.2.2-5-1 to F.2.2-5-18
Flow	Sacramento River Flow at Hamilton City	F.2.2-6-1a to F.2.2-6-7c	F.2.2-6-1 to F.2.2-6-18
Flow	Sacramento River at Wilkins Slough Flow	F.2.2-7-1a to F.2.2-7-7c	F.2.2-7-1 to F.2.2-7-18
Flow	Feather River Flow downstream of Thermalito	F.2.2-8-1a to F.2.2-8-7c	F.2.2-8-1 to F.2.2-8-18
Flow	Feather River at Sacramento River Confluence Flow	F.2.2-9-1a to F.2.2-9-7c	F.2.2-9-1 to F.2.2-9-18

Section	Output Parameters	Table Numbers	Figure Numbers
Flow	Fremont Weir Spills	F.2.2-10-1a to F.2.2- 10-7c	F.2.2-10-1 to F.2.2-10-18
Flow	Yolo Bypass Flow	F.2.2-11-1a to F.2.2- 11-7c	F.2.2-11-1 to F.2.2-11-18
Flow	American River below Nimbus Dam Flow	F.2.2-12-1a to F.2.2- 12-7c	F.2.2-12-1 to F.2.2-12-18
Flow	American River at H Street	F.2.2-13-1a to F.2.2- 13-7c	F.2.2-13-1 to F.2.2-13-18
Flow	Sacramento River Flow at Freeport	F.2.2-14-1a to F.2.2- 14-7c	F.2.2-14-1 to F.2.2-14-18
Flow	Sacramento River Flow at Rio Vista	F.2.2-15-1a to F.2.2- 15-7c	F.2.2-15-1 to F.2.2-15- 18
Flow	San Joaquin River Flow at Gravelly Ford	F.2.2-16-1a to F.2.2- 16-7c	F.2.2-16-1 to F.2.2-16-18
Flow	San Joaquin River Flow below Sack Dam	F.2.2-17-1a to F.2.2- 17-7c	F.2.2-17-1 to F.2.2-17-18
Flow	San Joaquin River Flow below confluence with Merced	F.2.2-18-1a to F.2.2- 18-7c	F.2.2-18-1 to F.2.2-18-18
Flow	Stanislaus River Flow below Goodwin	F.2.2-19-1a to F.2.2- 19-7c	F.2.2-19-1 to F.2.2-19-18
Flow	Stanislaus River Flow at Mouth	F.2.2-20-1a to F.2.2- 20-7c	F.2.2-20-1 to F.2.2-20-18
Flow	San Joaquin River at Vernalis	F.2.2-21-1a to F.2.2- 21-7c	F.2.2-21-1 to F.2.2-21-18
Flow	San Joaquin River at Vernalis (60-20-20)	F.2.2-22-1a to F.2.2- 22-7c	F.2.2-22-1 to F.2.2-22-18
Flow	Old and Middle River Flow	F.2.2-23-1a to F.2.2- 23-7c	F.2.2-23-1 to F.2.2-23-18
Flow	Delta Outflow	F.2.2-24-1a to F.2.2- 24-7c	F.2.2-24-1 to F.2.2-24-18

Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts.

- Monthly tables include a comparison of an alternative and the No Action Alternative (exceedance values, long-term average, and average by water year type) by subtracting the values in the No Action Alternative table (the table presented at the top of the page) from the values in the alternative table (the second table from the top of the page).
- Monthly pattern charts (long-term average and average by water year type) present all alternatives.
- Monthly exceedance charts (all months) present all alternatives.

Table F.2.2-1-1a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-1b. Trinity River Flow below Lewiston, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,223	2,827	3,421	2,439	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	1,113	1,202	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	747	869	965	903	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,212	1,962	1,888	2,059	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	404	784	1,024	1,475	1,026	553	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	960	311	610	349	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-1c. Trinity River Flow below Lewiston, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-70	0	658	-68	0	0	0	0	0	0
20% Exceedance	0	0	0	0	348	175	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	27	28	53	2	0	0	0	0	0	0
Wet Water Years (28%)	0	0	78	90	45	57	0	0	0	0	0	0
Above Normal Water Years (14%)	0	1	-1	9	281	5	1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	29	11	4	-78	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-2a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-2b. Trinity River Flow below Lewiston, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,398	2,827	2,762	2,465	637	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	798	987	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	336	711	838	893	892	677	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,862	1,699	1,924	1,018	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	362	753	1,019	1,339	1,095	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	880	300	610	442	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-2c. Trinity River Flow below Lewiston, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-895	0	-1	-42	-45	0	0	0	0	0
20% Exceedance	0	0	0	0	34	-40	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-6	-9	-2	-19	-9	-5	0	0	0	0	0
Wet Water Years (28%)	0	0	19	-9	-143	-79	-17	0	0	0	0	0
Above Normal Water Years (14%)	0	-41	-32	3	145	74	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-51	0	4	15	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-3a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-3b. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,546	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	930	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	332	714	833	880	883	675	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,148	1,843	1,693	1,939	1,012	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	337	755	1,018	1,258	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	904	300	610	435	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-3c. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-747	0	0	-42	-79	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-97	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-10	-5	-8	-32	-17	-7	0	0	0	0	0
Wet Water Years (28%)	0	0	15	-28	-150	-63	-23	0	0	0	0	0
Above Normal Water Years (14%)	0	-66	-30	3	64	-8	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-27	0	4	8	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-4a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-4b. Trinity River Flow below Lewiston, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,693	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	936	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	332	719	837	891	883	675	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,858	1,698	1,944	1,013	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	339	750	1,021	1,326	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	928	300	610	431	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-4c. Trinity River Flow below Lewiston, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-600	0	0	-42	-79	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-91	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-10	-1	-3	-21	-17	-6	0	0	0	0	0
Wet Water Years (28%)	0	0	19	-14	-144	-59	-22	0	0	0	0	0
Above Normal Water Years (14%)	0	-64	-35	5	132	-9	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-3	0	4	4	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-5a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-5b. Trinity River Flow below Lewiston, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,399	2,827	2,763	2,465	634	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	798	995	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	336	711	838	902	892	677	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,863	1,706	1,925	1,018	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	363	753	1,019	1,390	1,095	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	880	300	610	442	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-5c. Trinity River Flow below Lewiston, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-894	0	0	-42	-48	0	0	0	0	0
20% Exceedance	0	0	0	0	34	-32	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-6	-9	-2	-10	-8	-5	0	0	0	0	0
Wet Water Years (28%)	0	0	19	-9	-137	-77	-18	0	0	0	0	0
Above Normal Water Years (14%)	0	-41	-32	3	196	74	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-51	0	4	15	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-6a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-6b. Trinity River Flow below Lewiston, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,173	2,861	2,763	2,373	600	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	368	1,177	1,257	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	343	764	883	962	912	658	3,598	1,814	814	834	834
Wet Water Years (28%)	373	393	1,252	2,007	1,962	2,054	957	4,637	3,032	1,122	760	760
Above Normal Water Years (14%)	373	409	781	1,049	1,302	1,033	538	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	997	300	610	400	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-6c. Trinity River Flow below Lewiston, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-120	33	0	-134	-82	0	0	0	0	0
20% Exceedance	0	0	0	68	413	230	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	1	44	42	49	11	-24	0	-6	0	0	0
Wet Water Years (28%)	0	0	118	135	119	51	-78	0	-22	0	0	0
Above Normal Water Years (14%)	0	6	-4	33	108	13	-14	0	0	0	0	0
Below Normal Water Years (18%)	0	0	65	0	4	-27	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-7a. Trinity River Flow below Lewiston, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	2,293	2,827	2,763	2,507	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	764	1,027	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	342	720	840	912	900	682	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,133	1,872	1,843	2,002	1,035	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	403	785	1,016	1,194	1,021	552	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	931	300	606	427	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-7b. Trinity River Flow below Lewiston, Alternative 4, Monthly Flow (cfs)

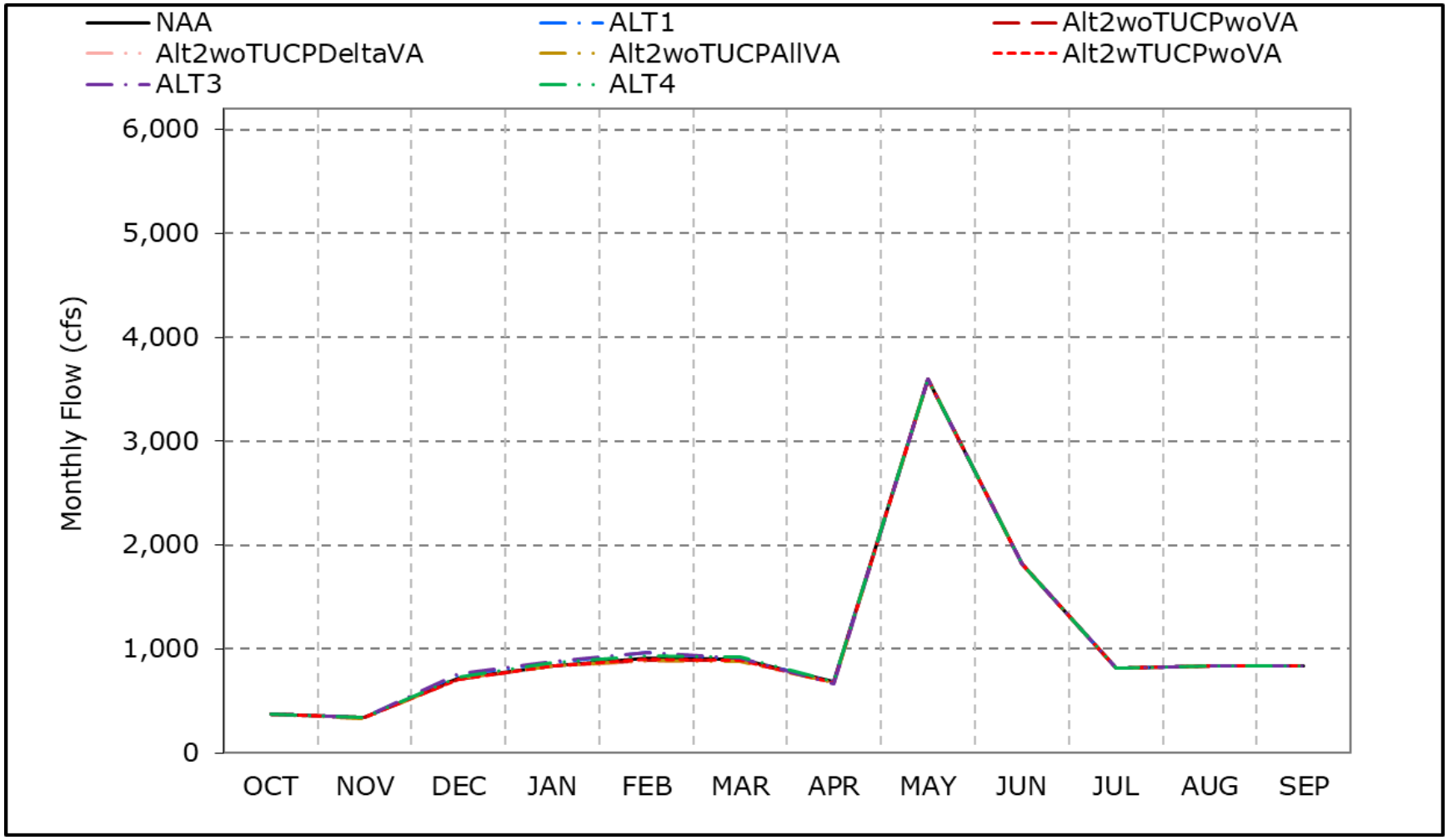
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,271	2,861	3,152	2,465	682	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	844	1,297	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
50% Exceedance	373	300	300	300	300	300	540	4,189	2,120	1,102	863	863
60% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
70% Exceedance	373	300	300	300	300	300	493	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	460	2,924	783	450	863	863
90% Exceedance	373	300	300	300	300	300	460	1,498	783	450	863	863
Full Simulation Period Average[a]	373	341	731	873	929	924	681	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,193	1,985	1,804	2,070	1,034	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	398	788	1,024	1,393	1,024	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	901	300	606	447	524	3,357	1,400	740	863	863
Dry Water Years (24%)	373	300	300	300	300	300	538	3,009	1,062	586	863	863
Critical Water Years (16%)	373	300	300	300	300	300	571	2,201	867	491	863	863

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-1-7c. Trinity River Flow below Lewiston, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

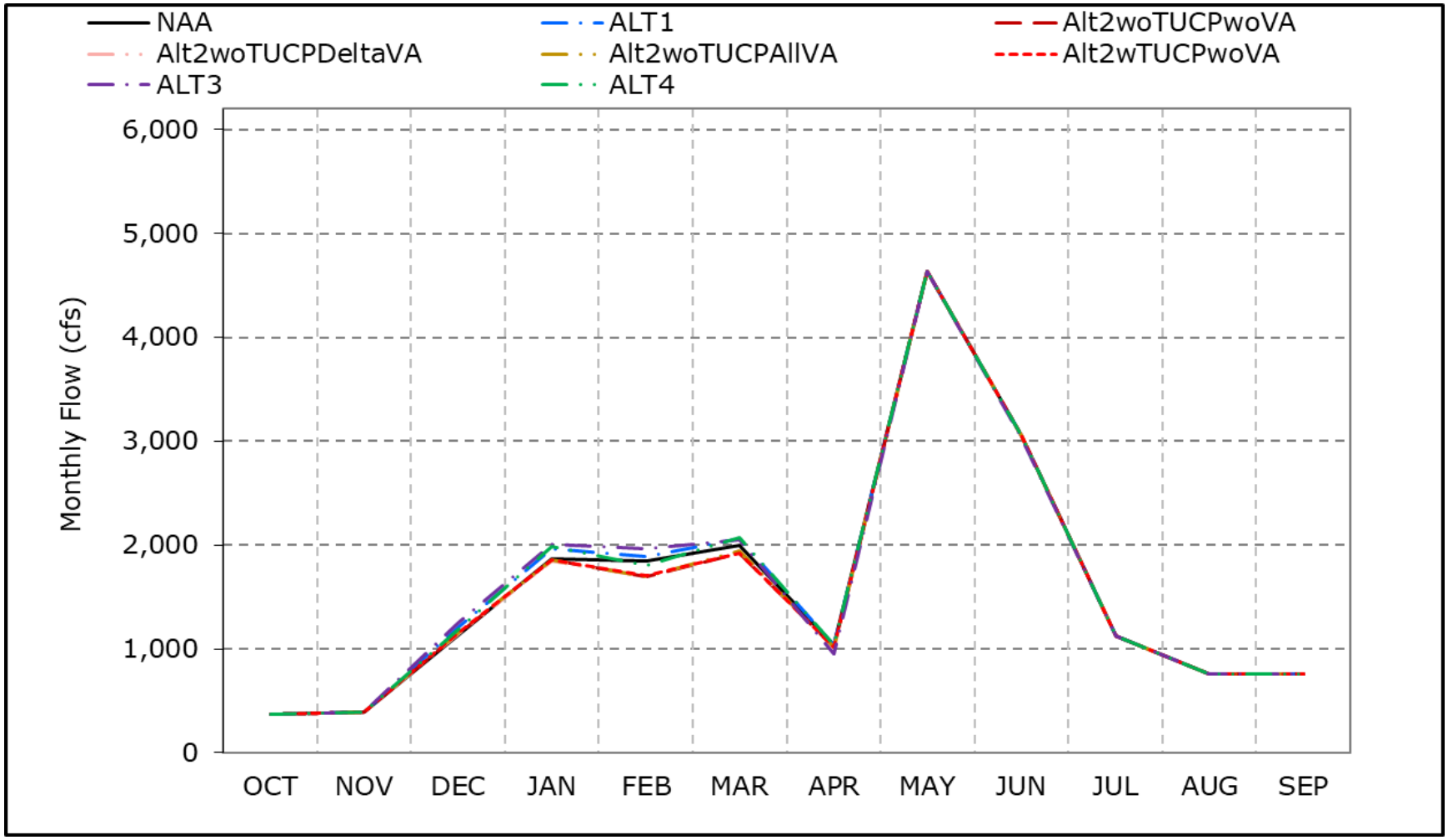
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1,022	33	389	-42	0	0	0	0	0	0
20% Exceedance	0	0	0	0	80	270	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-1	12	33	17	23	0	0	0	0	0	0
Wet Water Years (28%)	0	0	60	114	-38	68	-1	0	0	0	0	0
Above Normal Water Years (14%)	0	-5	3	9	199	4	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-31	0	0	20	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



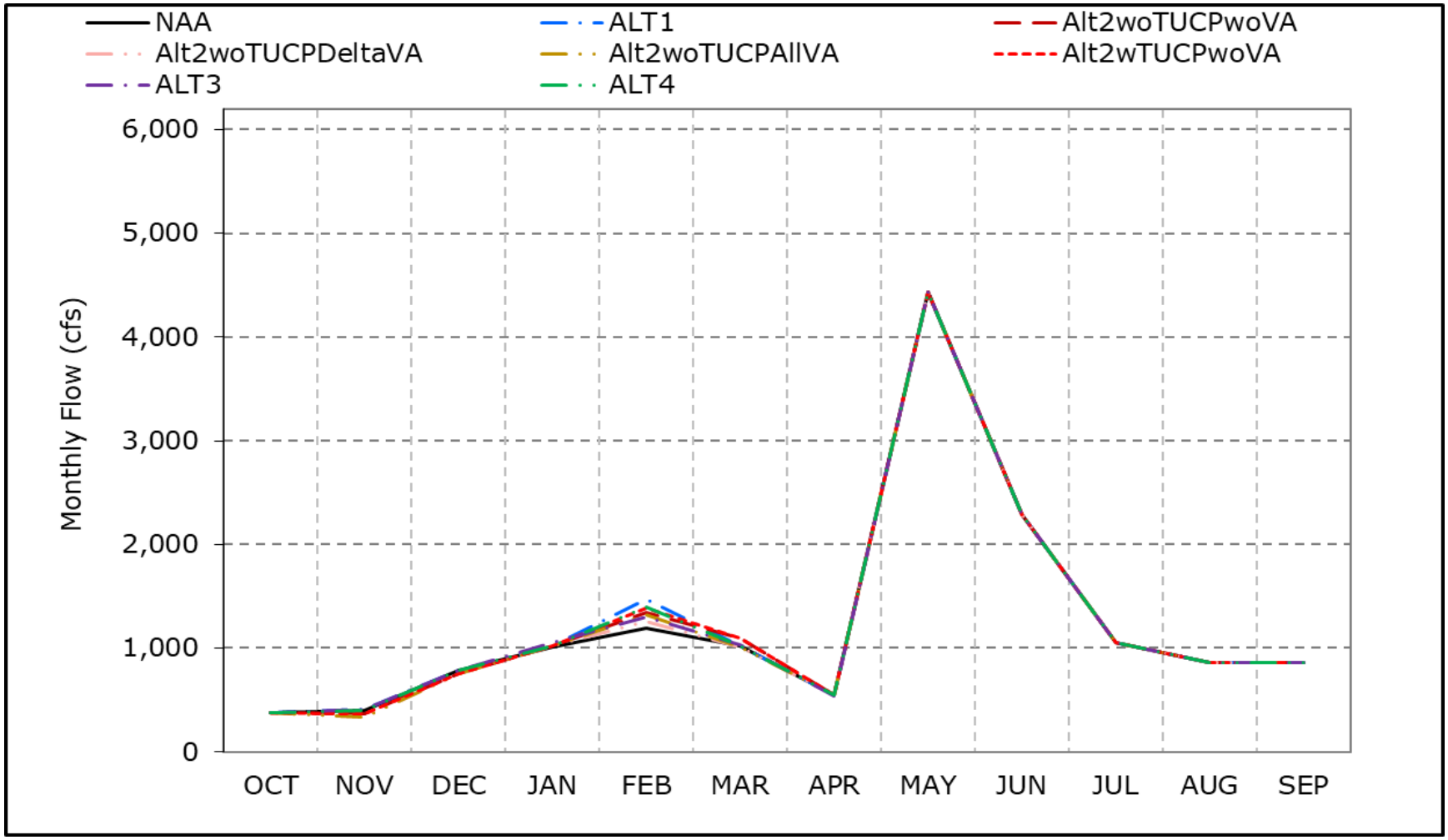
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-1. Trinity River Flow below Lewiston, Long-Term Average Flow



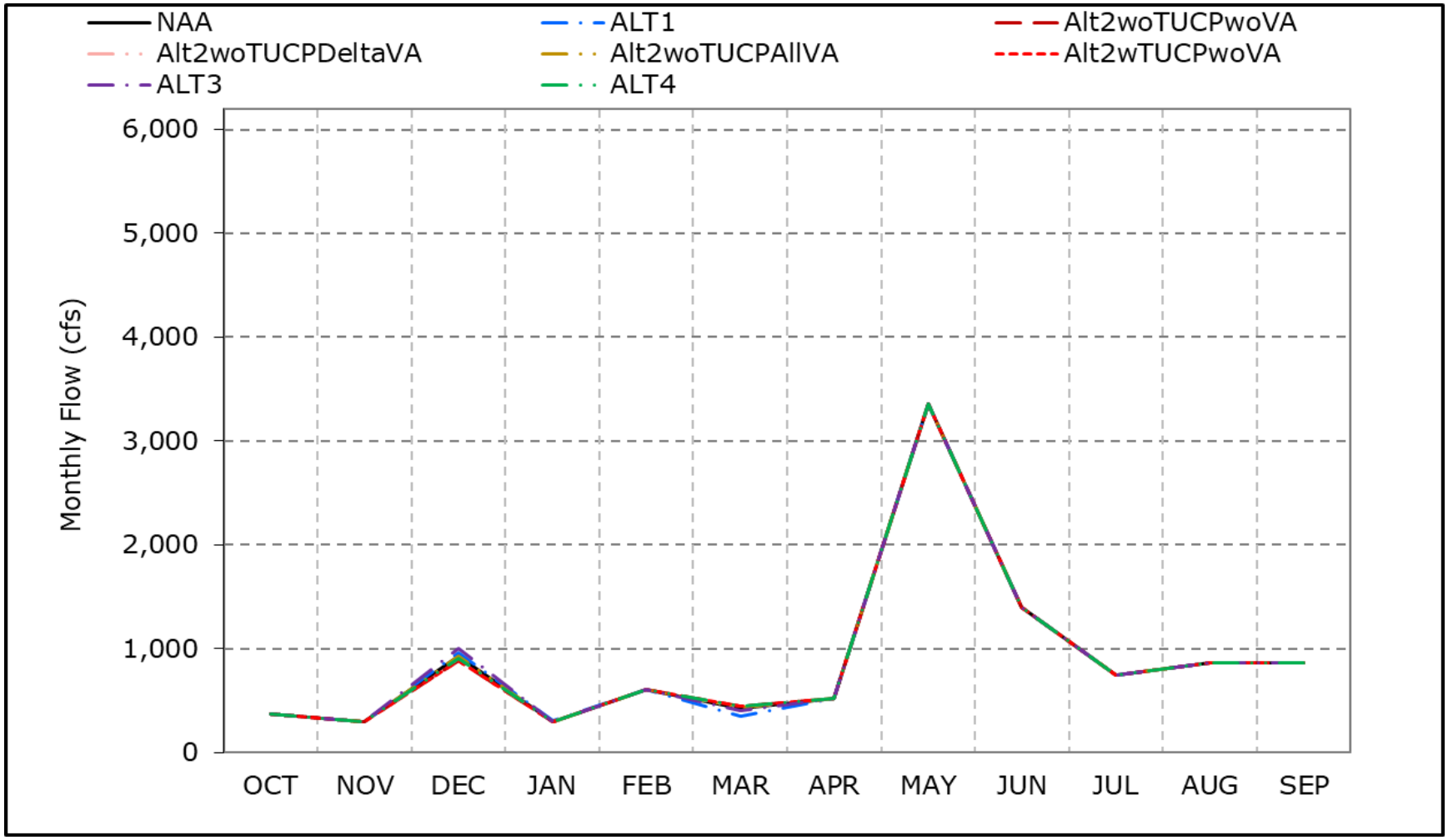
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-2. Trinity River Flow below Lewiston, Wet Year Average Flow



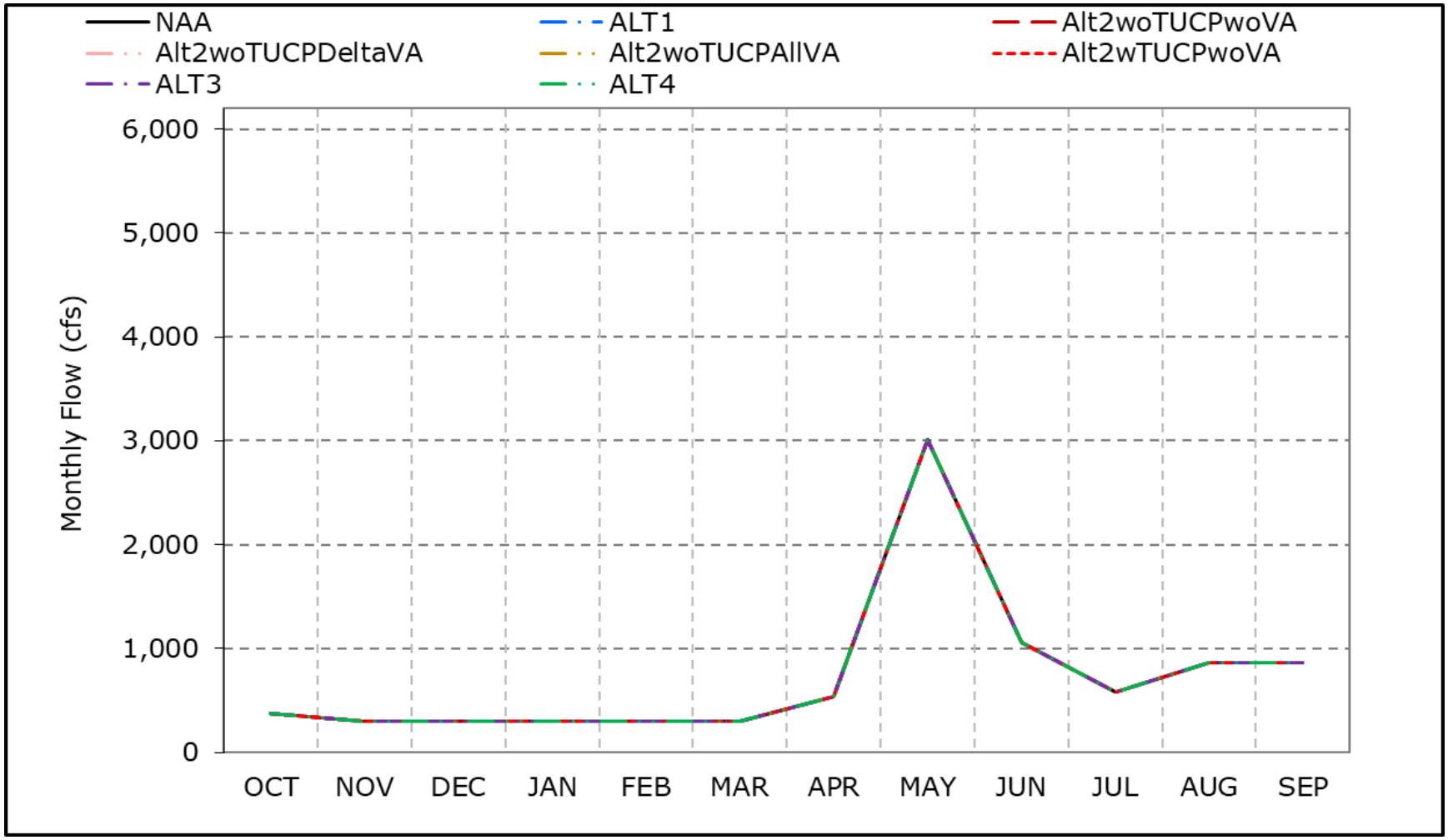
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-3. Trinity River Flow below Lewiston, Above Normal Year Average Flow



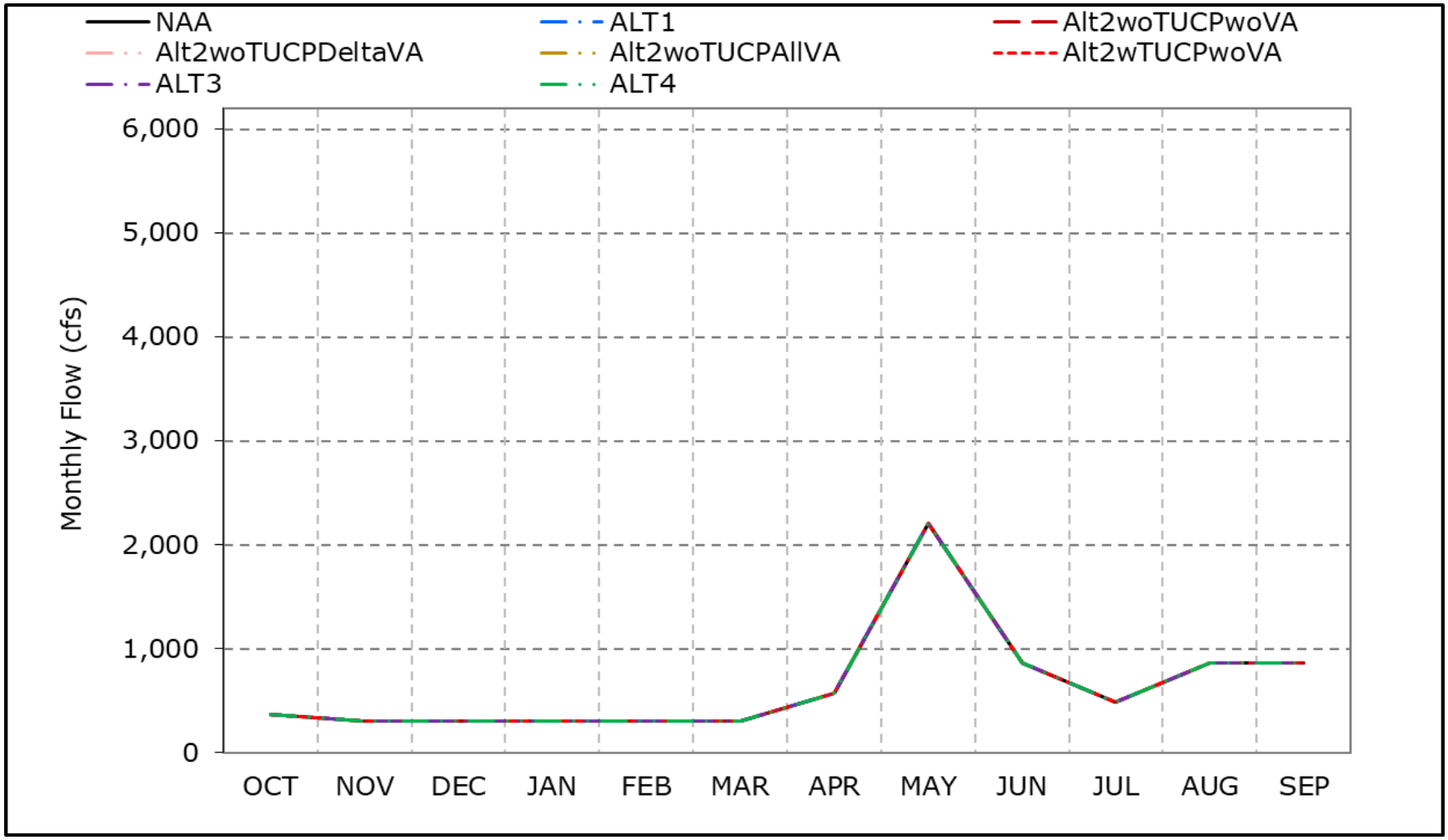
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-4. Trinity River Flow below Lewiston, Below Normal Year Average Flow



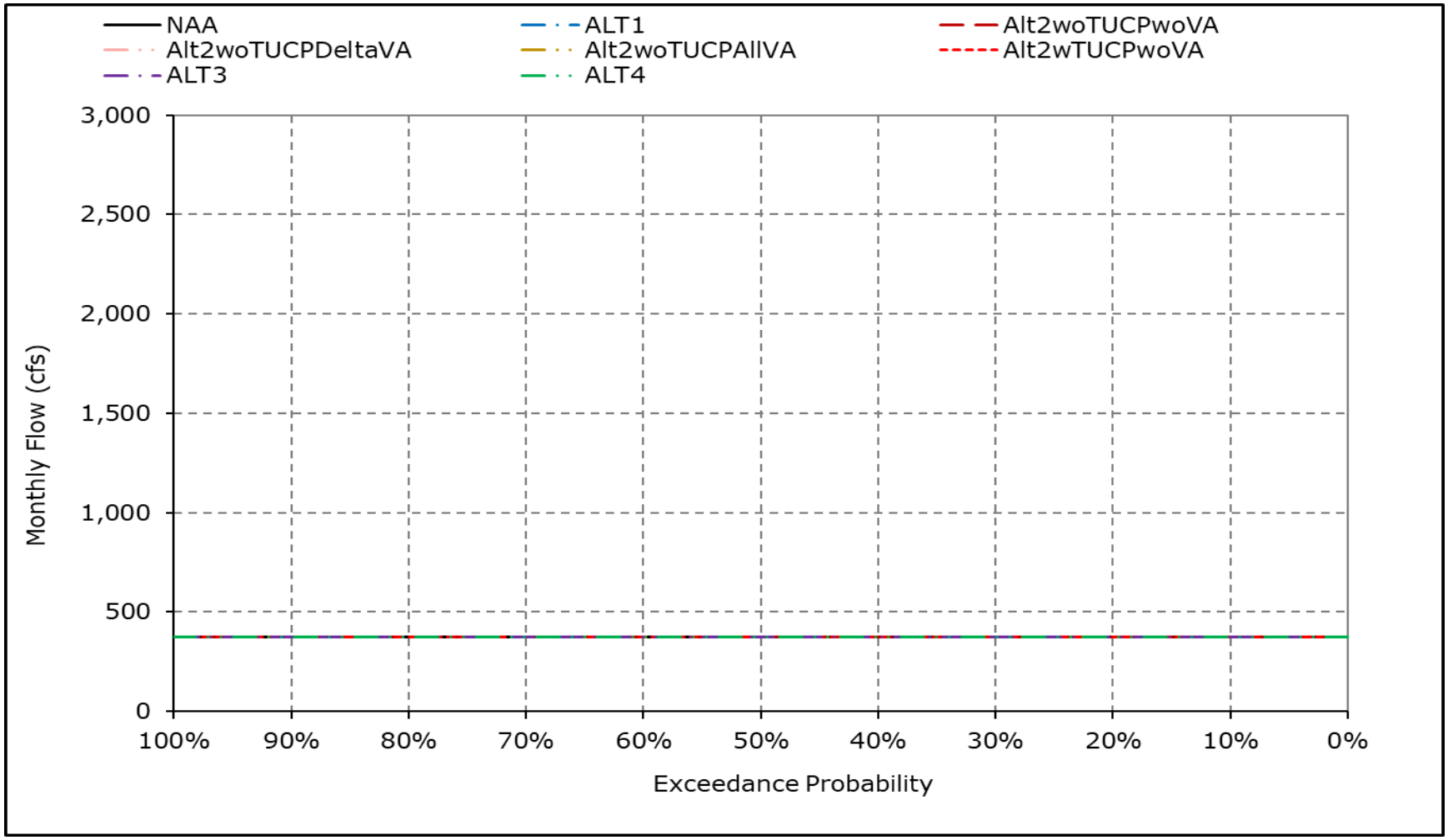
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-5. Trinity River Flow below Lewiston, Dry Year Average Flow



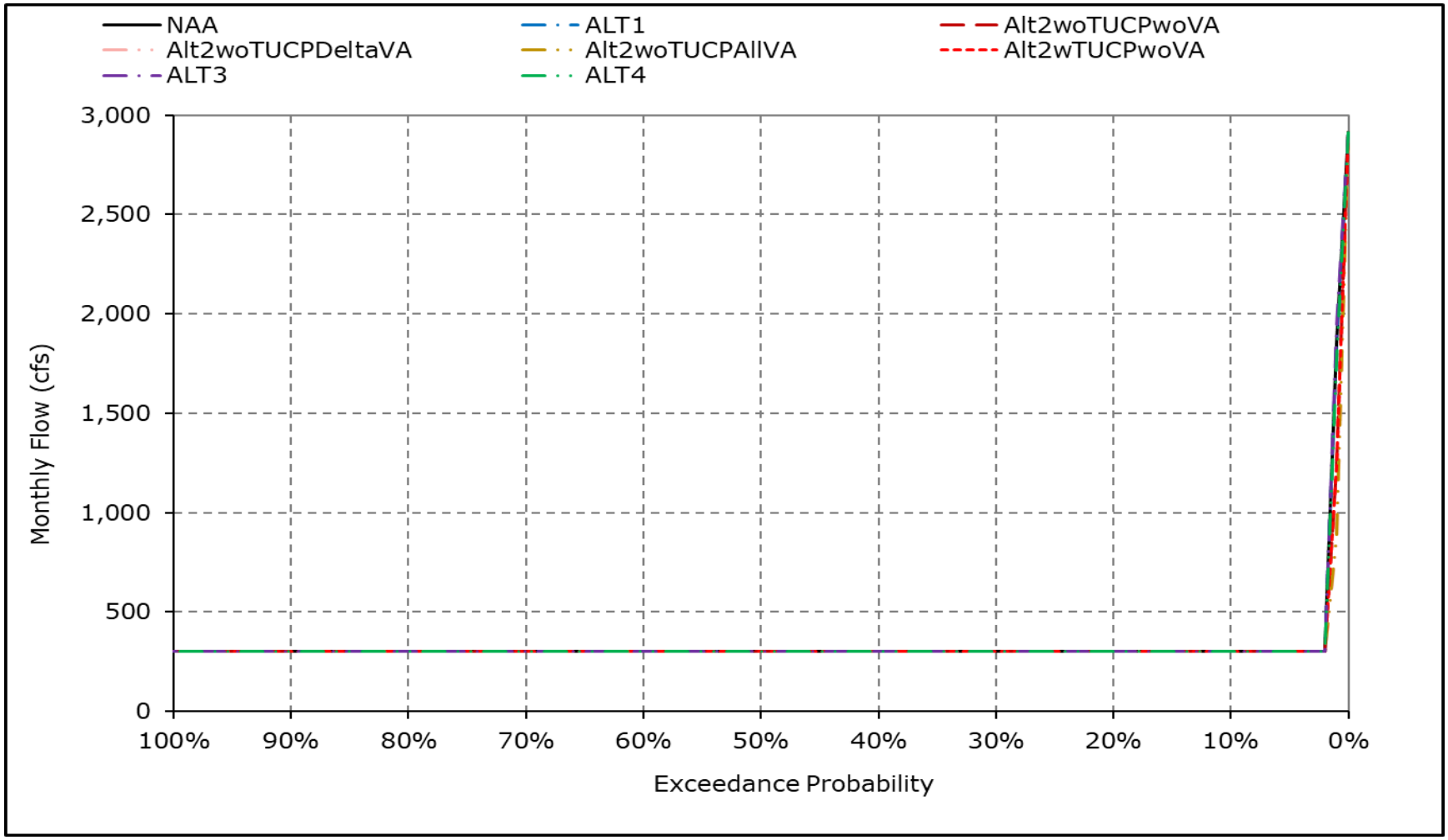
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-6. Trinity River Flow below Lewiston, Critical Year Average Flow



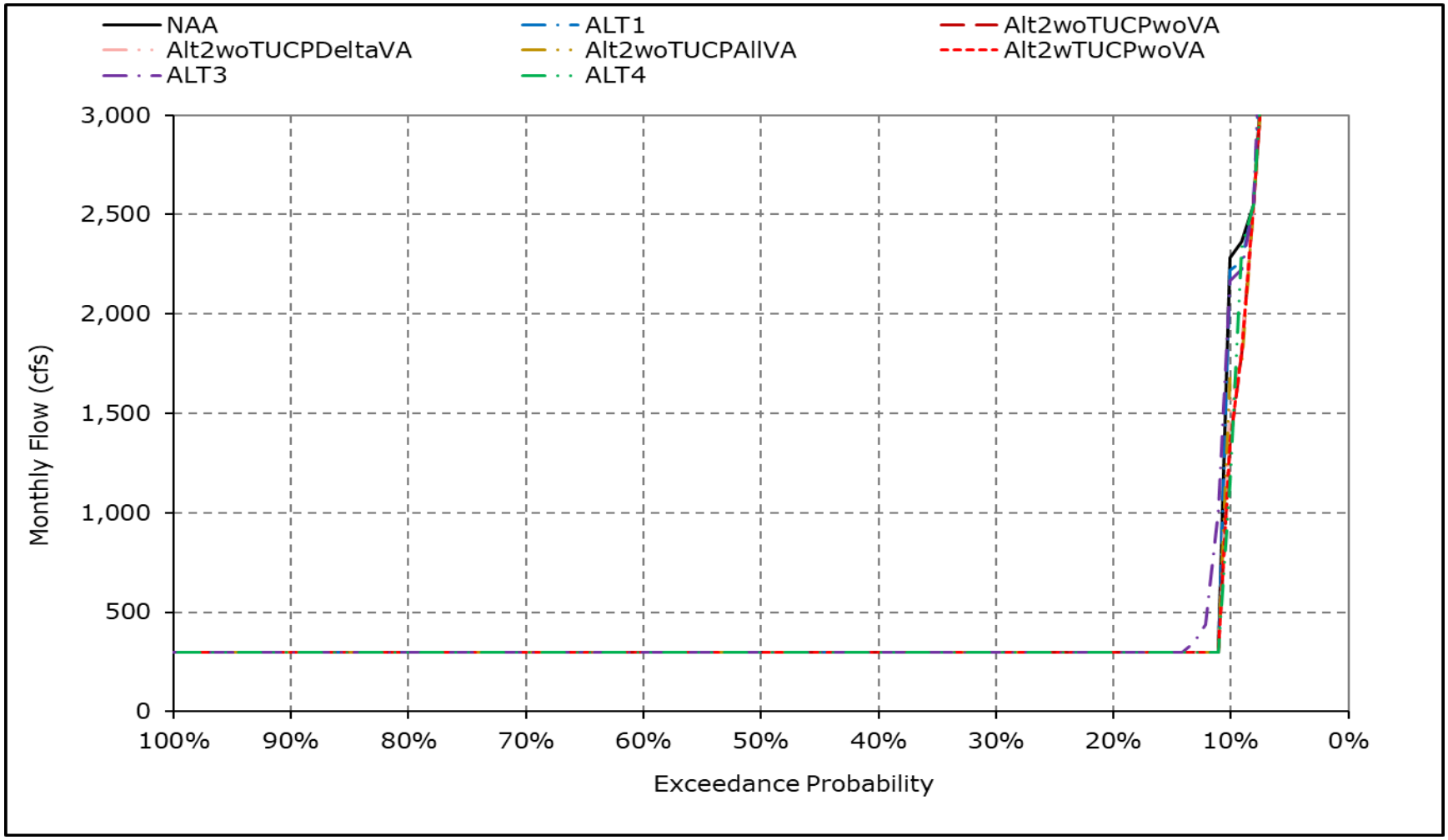
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-7. Trinity River Flow below Lewiston, October



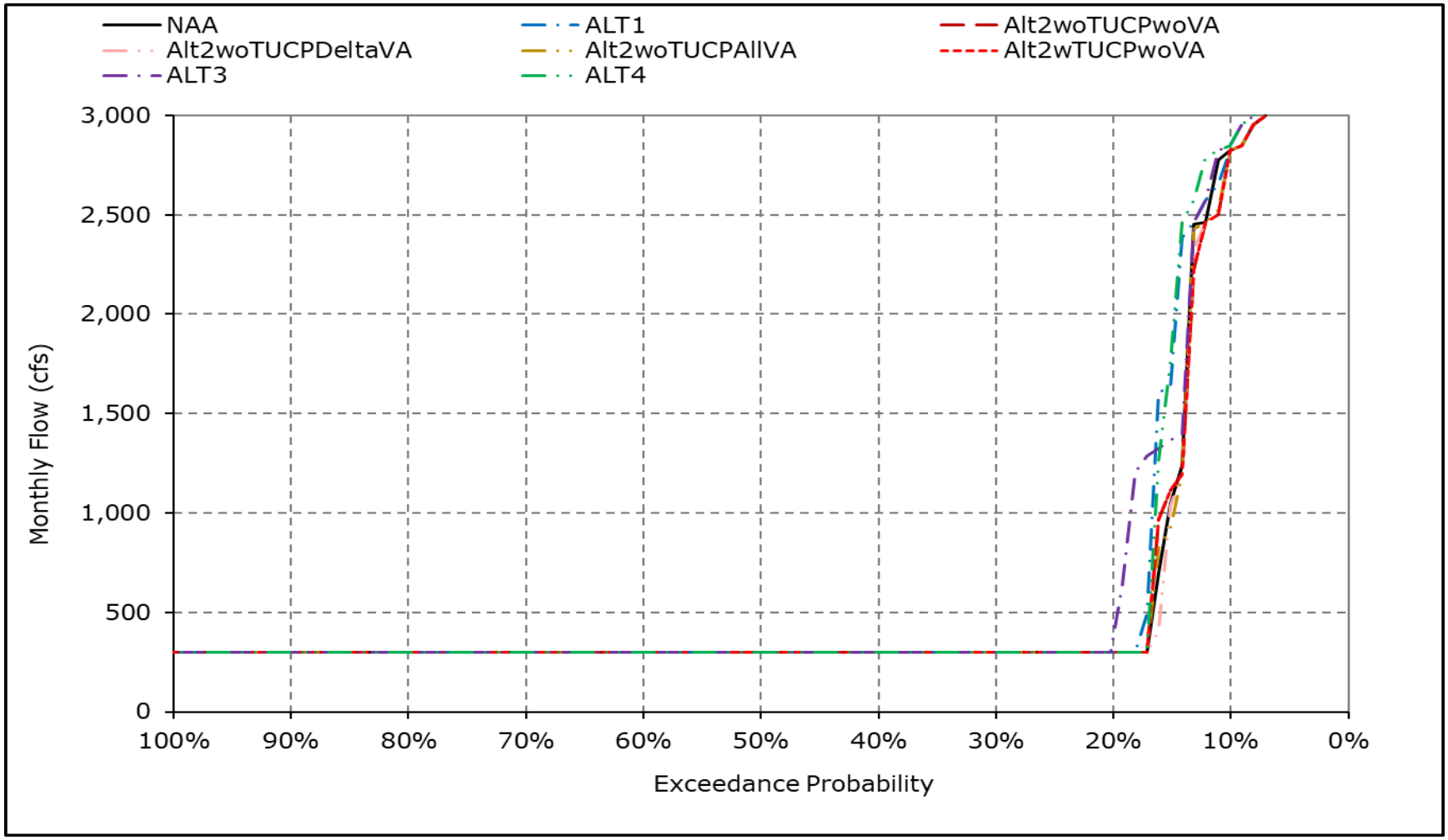
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-8. Trinity River Flow below Lewiston, November



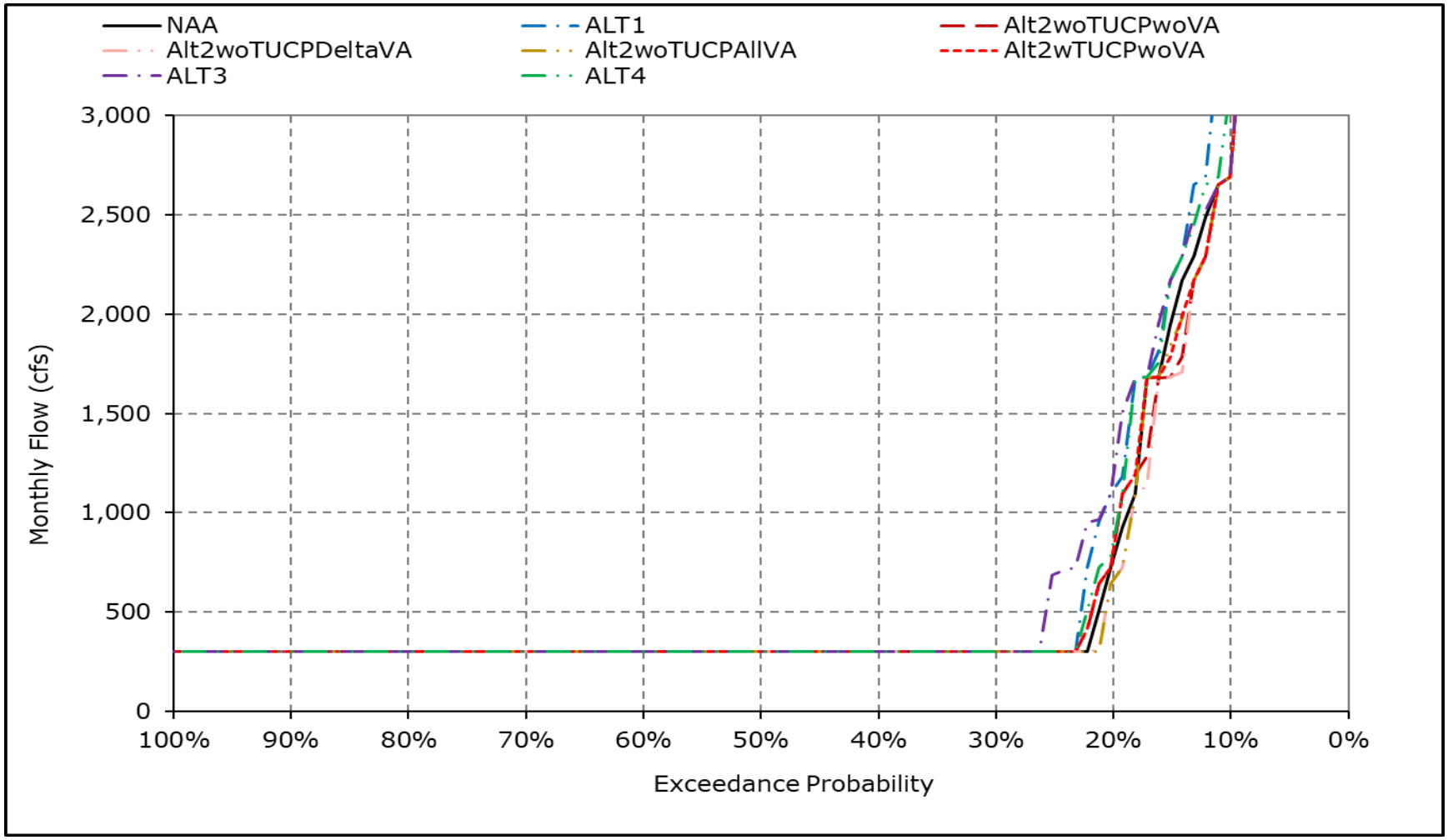
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-9. Trinity River Flow below Lewiston, December



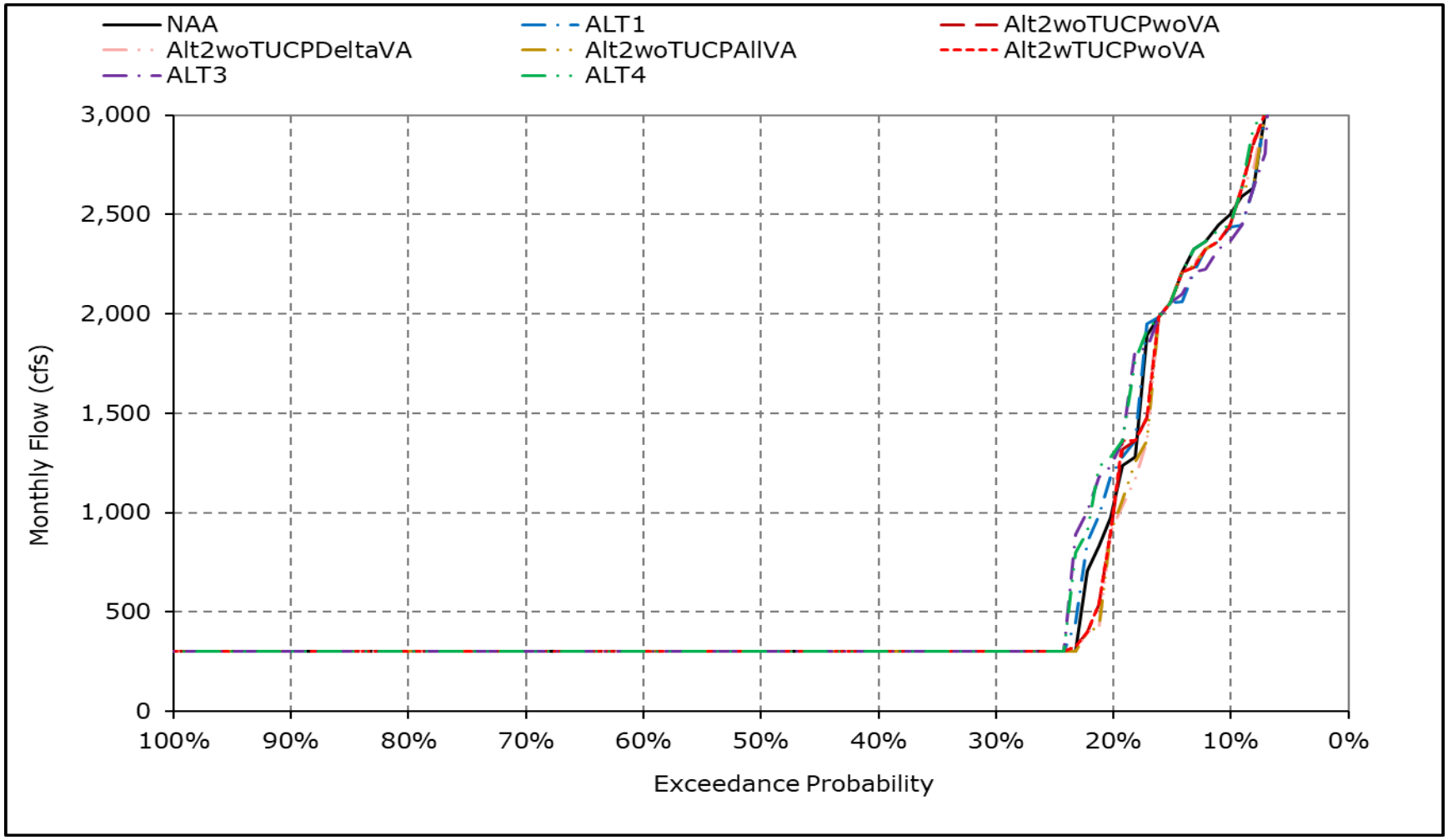
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-10. Trinity River Flow below Lewiston, January



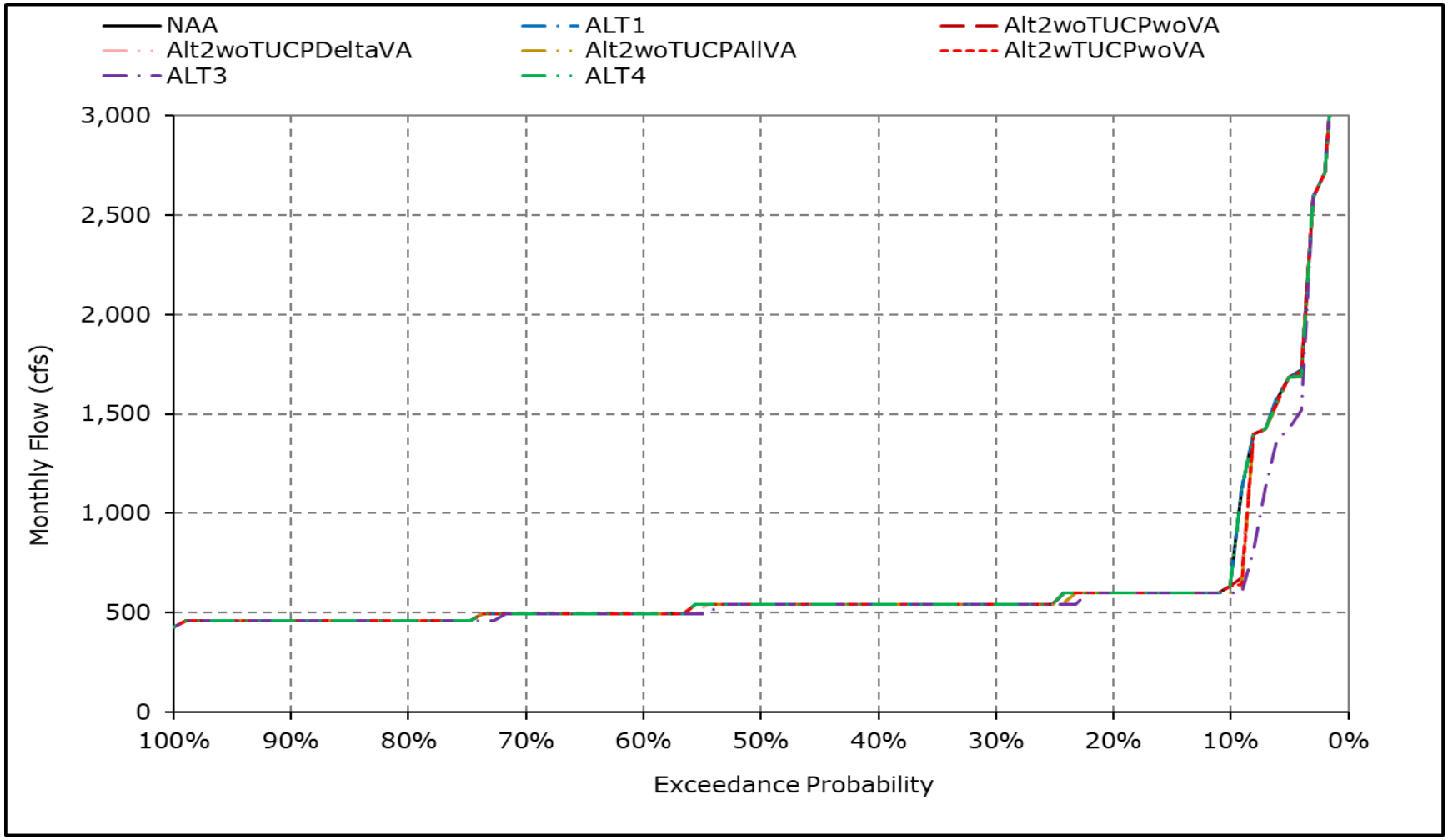
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-11. Trinity River Flow below Lewiston, February



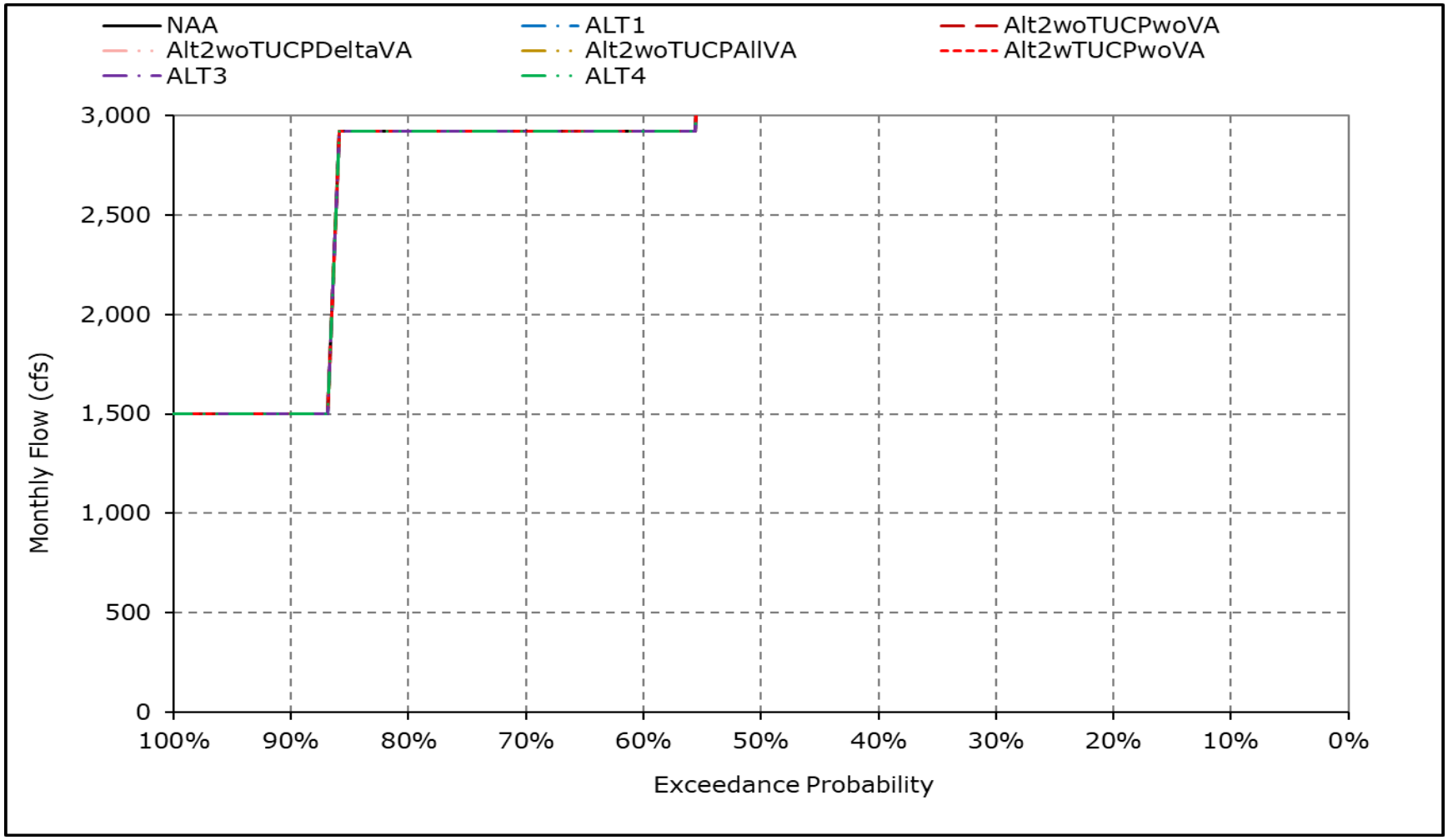
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-12. Trinity River Flow below Lewiston, March



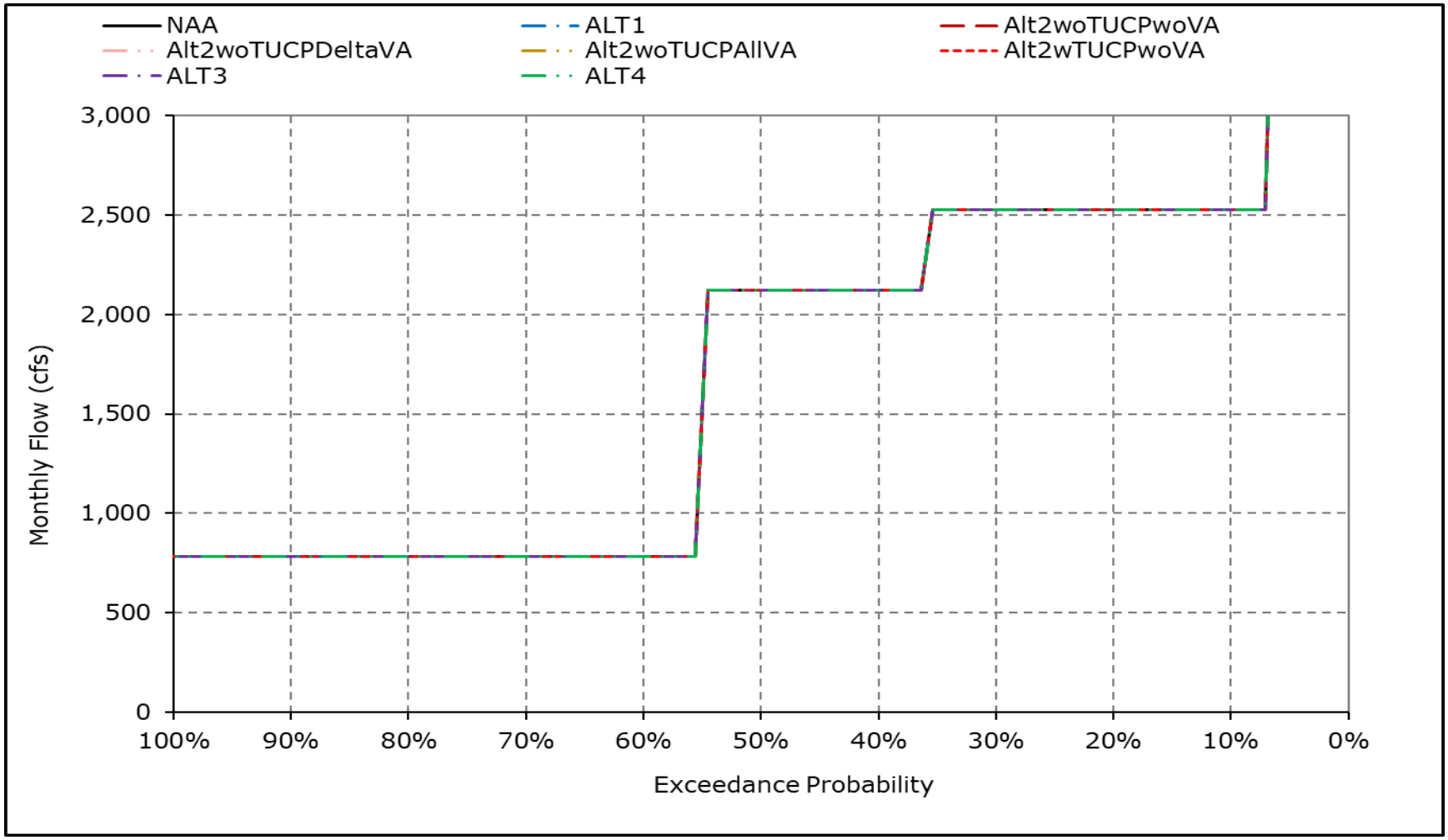
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-13. Trinity River Flow below Lewiston, April



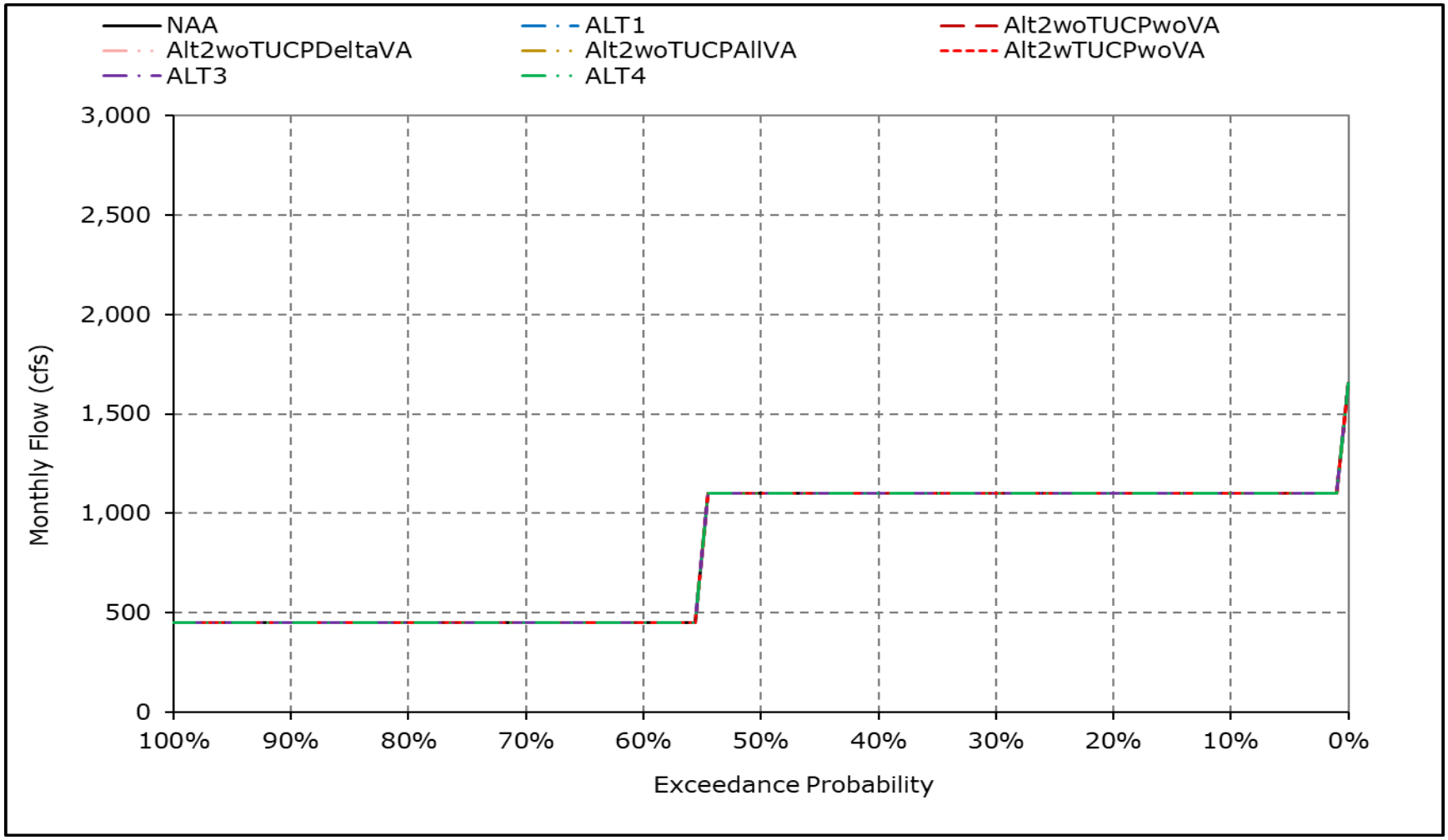
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-14. Trinity River Flow below Lewiston, May



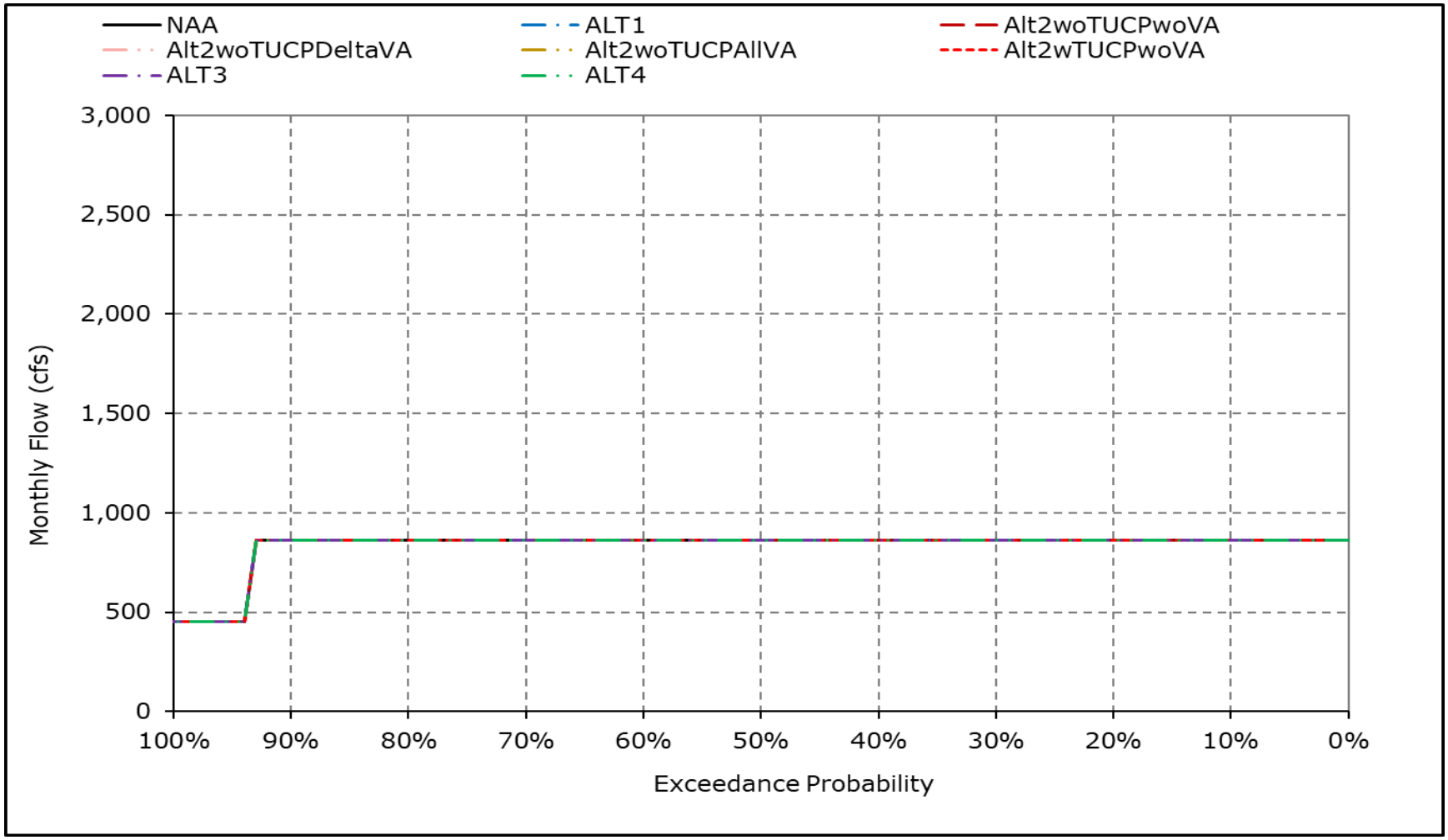
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-15. Trinity River Flow below Lewiston, June



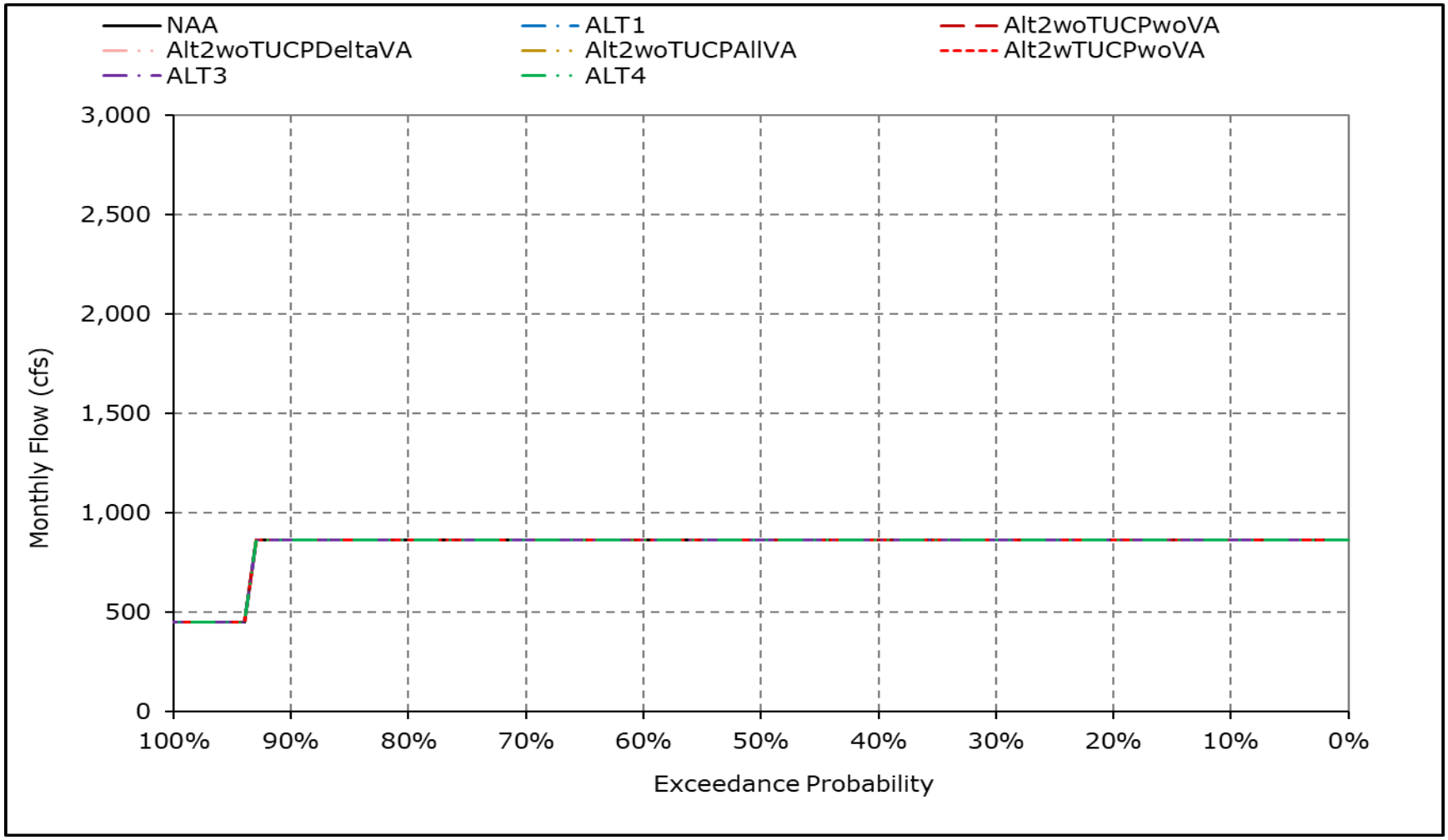
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-16. Trinity River Flow below Lewiston, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-17. Trinity River Flow below Lewiston, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-18. Trinity River Flow below Lewiston, September

Table F.2.2-2-1a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-1b. Clear Creek below Whiskeytown Dam Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	77	192	340	346	436	346	267	163	104	81	77	77
20% Exceedance	70	145	263	252	315	266	221	136	87	74	70	68
30% Exceedance	65	128	217	195	249	218	190	127	83	69	62	63
40% Exceedance	60	117	173	164	216	186	142	105	77	65	58	58
50% Exceedance	57	114	154	125	177	163	121	94	72	64	56	55
60% Exceedance	56	111	136	107	134	135	113	84	70	59	54	53
70% Exceedance	54	108	119	94	115	120	100	80	65	57	53	51
80% Exceedance	52	104	110	77	91	98	88	75	63	53	50	50
90% Exceedance	50	80	106	66	74	80	75	66	58	50	50	50
Full Simulation Period Average[a]	61	125	189	207	261	224	155	107	77	65	61	58
Wet Water Years (28%)	61	141	191	391	479	381	228	137	91	71	72	64
Above Normal Water Years (14%)	61	135	207	235	300	246	178	122	87	70	66	64
Below Normal Water Years (18%)	61	130	199	155	151	158	141	101	72	63	57	52
Dry Water Years (24%)	67	128	203	97	162	155	114	89	67	59	55	57
Critical Water Years (16%)	51	72	131	86	117	108	86	79	67	61	53	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-1c. Clear Creek below Whiskeytown Dam Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-150	-100	-100	-150	-300	-150	-150	-150	-268	-100	-100	-99
20% Exceedance	-149	-98	-95	-147	-287	-149	-150	-146	-268	-100	-100	-100
30% Exceedance	-146	-95	-96	-148	-299	-144	-142	-144	-267	-100	-100	-99
40% Exceedance	-149	-100	-97	-150	-291	-150	-147	-146	-265	-100	-100	-100
50% Exceedance	-149	-99	-99	-150	-276	-150	-146	-145	-267	-99	-100	-100
60% Exceedance	-149	-99	-98	-147	-278	-146	-143	-149	-264	-100	-100	-100
70% Exceedance	-148	-99	-98	-139	-247	-146	-147	-148	-266	-100	-100	-100
80% Exceedance	-149	-99	-98	-143	-172	-135	-144	-145	-261	-100	-100	-100
90% Exceedance	-116	-80	-88	-142	-147	-137	-113	-112	-188	-100	-100	-100
Full Simulation Period Average[a]	-139	-91	-95	-139	-243	-141	-141	-142	-253	-99	-99	-98
Wet Water Years (28%)	-150	-100	-100	-138	-299	-145	-150	-150	-268	-100	-100	-100
Above Normal Water Years (14%)	-150	-100	-100	-143	-315	-150	-150	-150	-268	-100	-100	-100
Below Normal Water Years (18%)	-150	-94	-94	-144	-289	-150	-150	-150	-268	-100	-100	-94
Dry Water Years (24%)	-150	-100	-100	-144	-182	-142	-146	-150	-268	-100	-100	-100
Critical Water Years (16%)	-76	-44	-71	-127	-119	-116	-103	-100	-175	-95	-95	-96

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-2a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-2b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	156	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	148	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	135	150
40% Exceedance	177	238	337	400	438	403	320	319	245	127	127	147
50% Exceedance	175	235	319	368	390	381	301	308	241	122	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	119	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	115	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	112	117	135
90% Exceedance	166	161	194	218	298	231	189	260	172	107	114	135
Full Simulation Period Average[a]	174	237	342	426	472	425	326	318	237	128	130	140
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	244	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	136	139	201	267	274	246	192	261	167	161	142	131

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-2c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-25	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-25	-23	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-34	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-39	-31	-10
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-41	-33	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-40	-34	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-41	-35	-14
80% Exceedance	-31	21	68	95	54	70	32	66	-98	-40	-34	-15
90% Exceedance	0	1	0	10	77	14	0	81	-75	-43	-36	-15
Full Simulation Period Average[a]	-25	22	58	79	-32	60	29	69	-94	-36	-31	-16
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	19	66	83	-53	71	35	66	-98	-44	-36	-22
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	10	23	-1	54	37	22	2	81	-75	5	-7	-13

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-3a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-3b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	146	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	135	150
40% Exceedance	177	238	337	400	438	403	320	319	245	126	127	147
50% Exceedance	175	235	319	368	390	381	301	308	241	122	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	119	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	115	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	112	117	135
90% Exceedance	166	161	194	218	298	231	189	260	172	107	114	135
Full Simulation Period Average[a]	174	237	342	426	472	425	326	318	237	127	129	141
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	244	360	383	387	379	326	317	243	119	122	132
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	136	139	201	267	274	246	192	261	167	156	139	131

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-3c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-26	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-27	-23	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-31	-10
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-41	-33	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-40	-34	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-42	-35	-14
80% Exceedance	-31	21	68	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	1	0	10	77	14	0	81	-75	-43	-36	-15
Full Simulation Period Average[a]	-25	22	58	79	-32	60	29	69	-94	-37	-31	-15
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	19	66	83	-53	71	35	66	-98	-44	-36	-14
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	10	23	-1	54	37	22	2	81	-75	0	-9	-13

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-4a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-4b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	146	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	135	150
40% Exceedance	177	238	337	400	438	403	320	319	245	126	127	147
50% Exceedance	175	235	319	368	390	381	301	308	241	122	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	119	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	115	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	112	117	135
90% Exceedance	166	161	194	218	298	231	189	260	172	107	114	135
Full Simulation Period Average[a]	174	237	342	426	472	425	326	318	237	127	129	141
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	244	360	383	387	379	326	317	243	119	122	132
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	137	139	201	267	274	246	192	261	167	156	139	131

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-4c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-26	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-27	-23	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-31	-10
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-41	-33	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-40	-34	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-42	-35	-14
80% Exceedance	-31	21	68	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	1	0	10	77	14	0	81	-75	-43	-36	-15
Full Simulation Period Average[a]	-25	22	58	79	-32	60	29	69	-94	-37	-31	-15
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	19	66	84	-53	71	35	66	-98	-44	-36	-14
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	10	23	-1	54	37	22	2	81	-75	0	-9	-13

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-5a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-5b. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	156	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	146	148	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	136	150
40% Exceedance	177	238	337	400	438	403	320	319	245	126	127	148
50% Exceedance	175	235	319	368	390	381	301	308	241	122	123	141
60% Exceedance	173	231	300	347	365	349	290	299	236	119	120	138
70% Exceedance	172	229	282	327	339	337	281	295	234	115	118	137
80% Exceedance	169	225	277	316	317	303	264	286	227	112	117	135
90% Exceedance	166	164	225	218	298	231	189	260	172	107	114	135
Full Simulation Period Average[a]	175	239	344	426	472	425	326	318	235	127	131	142
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	255	371	384	387	379	326	317	243	119	122	132
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	143	139	200	267	274	246	192	261	160	151	148	136

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-5c. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-25	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-27	-22	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-31	-9
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-41	-33	-13
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-40	-34	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-42	-35	-14
80% Exceedance	-31	22	69	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	3	31	10	77	14	0	81	-75	-43	-36	-15
Full Simulation Period Average[a]	-24	24	60	79	-32	60	29	69	-95	-37	-30	-14
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	30	77	85	-53	71	35	66	-98	-44	-36	-14
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	16	23	-2	54	38	22	2	81	-82	-4	0	-8

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-6a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-6b. Clear Creek below Whiskeytown Dam Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	302	500	588	684	582	464	391	285	144	127	147
20% Exceedance	176	252	414	492	548	500	417	361	269	137	120	138
30% Exceedance	171	234	366	432	483	442	379	349	264	132	112	133
40% Exceedance	167	226	327	398	450	416	332	329	256	128	108	128
50% Exceedance	164	223	309	366	403	396	313	318	252	127	106	125
60% Exceedance	163	219	290	345	376	364	301	311	247	122	104	123
70% Exceedance	161	217	272	325	353	350	291	307	245	119	103	121
80% Exceedance	159	213	267	313	329	318	276	297	238	116	100	120
90% Exceedance	157	164	225	218	312	231	189	260	169	113	100	120
Full Simulation Period Average[a]	167	230	335	424	483	437	335	328	244	127	111	128
Wet Water Years (28%)	168	251	351	611	711	609	424	365	273	134	122	134
Above Normal Water Years (14%)	168	245	367	457	550	482	374	350	268	132	116	134
Below Normal Water Years (18%)	168	244	361	382	401	394	337	329	254	126	107	125
Dry Water Years (24%)	174	238	362	322	375	368	303	317	248	122	105	127
Critical Water Years (16%)	150	147	200	266	279	250	192	261	156	116	101	117

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-6c. Clear Creek below Whiskeytown Dam Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-43	10	60	93	-52	86	47	78	-87	-37	-50	-29
20% Exceedance	-43	10	55	93	-54	85	47	78	-87	-37	-50	-30
30% Exceedance	-40	10	52	89	-66	80	47	78	-87	-37	-50	-29
40% Exceedance	-42	10	57	84	-57	80	43	78	-87	-37	-50	-30
50% Exceedance	-42	10	56	91	-50	84	46	78	-87	-36	-50	-30
60% Exceedance	-42	10	56	91	-37	82	45	78	-87	-37	-50	-30
70% Exceedance	-41	10	54	93	-9	84	44	78	-87	-37	-50	-30
80% Exceedance	-42	10	59	93	66	85	44	78	-87	-37	-50	-30
90% Exceedance	-9	3	31	10	91	14	0	81	-78	-37	-50	-30
Full Simulation Period Average[a]	-33	15	52	77	-21	72	39	79	-86	-37	-49	-28
Wet Water Years (28%)	-43	10	60	83	-67	83	47	78	-87	-37	-50	-30
Above Normal Water Years (14%)	-43	10	60	79	-65	86	47	78	-87	-37	-50	-30
Below Normal Water Years (18%)	-43	20	67	82	-39	86	47	78	-87	-37	-50	-22
Dry Water Years (24%)	-43	10	60	81	31	72	43	78	-87	-37	-50	-30
Critical Water Years (16%)	23	31	-2	52	42	27	3	81	-85	-39	-47	-28

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-7a. Clear Creek below Whiskeytown Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	227	292	440	496	737	496	417	313	372	181	177	176
20% Exceedance	218	242	358	400	602	415	371	283	355	174	170	168
30% Exceedance	211	224	314	343	549	362	332	271	350	169	162	162
40% Exceedance	208	216	270	314	506	336	289	251	343	165	158	157
50% Exceedance	206	213	253	275	453	313	267	240	339	163	156	155
60% Exceedance	204	209	234	253	412	281	256	233	334	159	154	153
70% Exceedance	203	207	218	232	362	266	248	228	331	156	153	151
80% Exceedance	200	203	208	221	263	233	232	219	324	153	150	150
90% Exceedance	166	160	194	208	221	217	189	178	247	150	150	150
Full Simulation Period Average[a]	200	215	283	347	504	365	297	249	330	164	161	156
Wet Water Years (28%)	211	241	291	528	778	526	378	287	359	171	172	164
Above Normal Water Years (14%)	211	235	307	378	616	396	328	272	355	170	166	164
Below Normal Water Years (18%)	211	225	294	299	440	308	291	251	340	163	157	147
Dry Water Years (24%)	217	228	303	241	344	296	260	239	335	159	155	157
Critical Water Years (16%)	127	116	202	213	237	223	190	179	242	156	148	144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-7b. Clear Creek below Whiskeytown Dam Flow, Alternative 4, Monthly Flow (cfs)

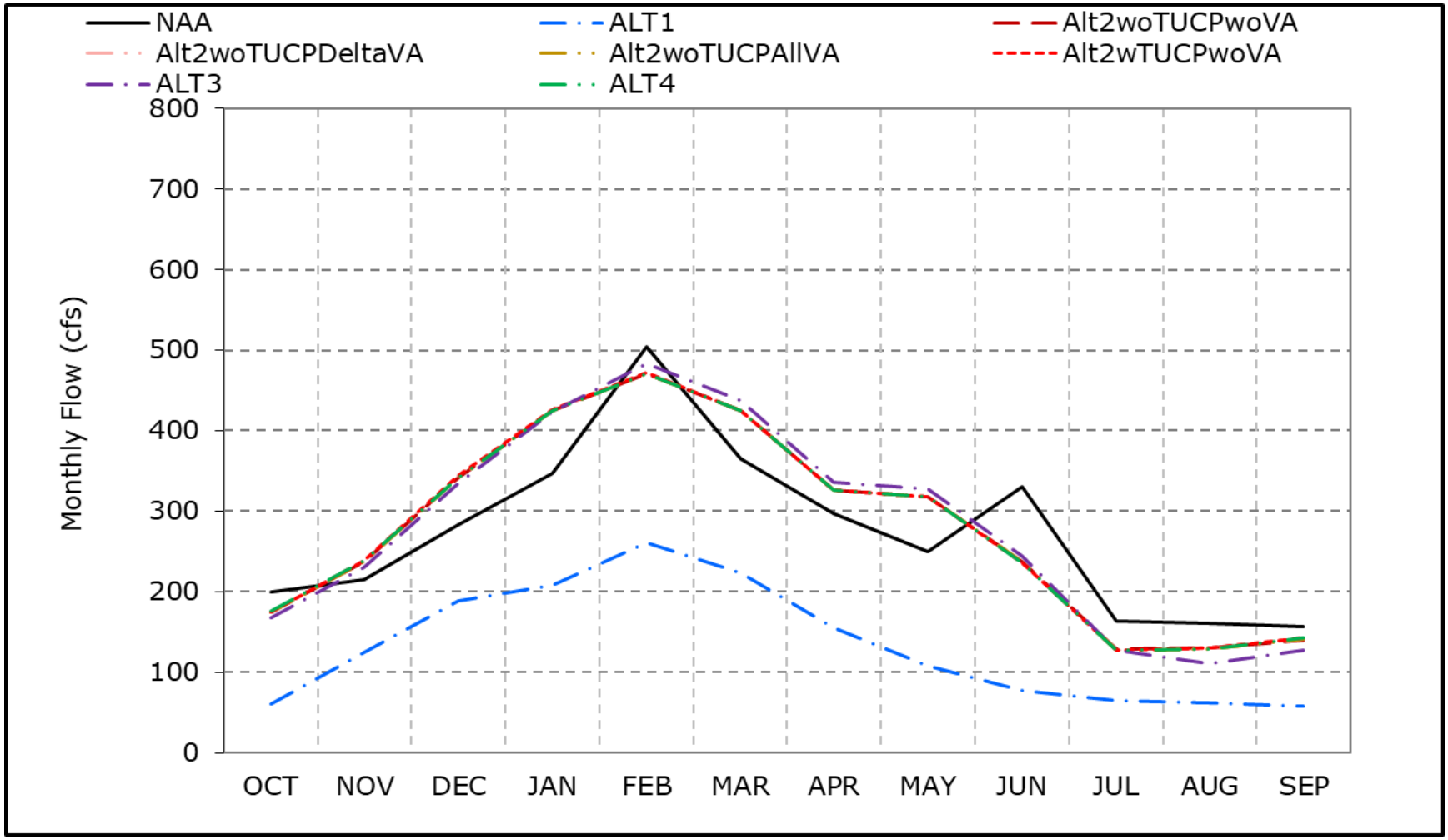
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	156	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	146	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	135	150
40% Exceedance	177	238	337	400	438	403	320	319	245	126	127	149
50% Exceedance	175	235	319	368	390	381	301	308	241	122	122	142
60% Exceedance	173	231	300	347	365	349	290	299	236	119	119	139
70% Exceedance	172	229	282	327	339	337	281	295	234	115	118	138
80% Exceedance	169	225	276	316	317	303	264	286	227	112	117	135
90% Exceedance	166	164	194	218	298	231	189	260	172	107	114	135
Full Simulation Period Average[a]	176	239	342	426	472	425	326	318	235	127	129	142
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	255	360	383	387	379	326	317	243	119	122	132
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	144	139	200	267	273	246	192	261	160	151	139	138

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-2-7c. Clear Creek below Whiskeytown Dam Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

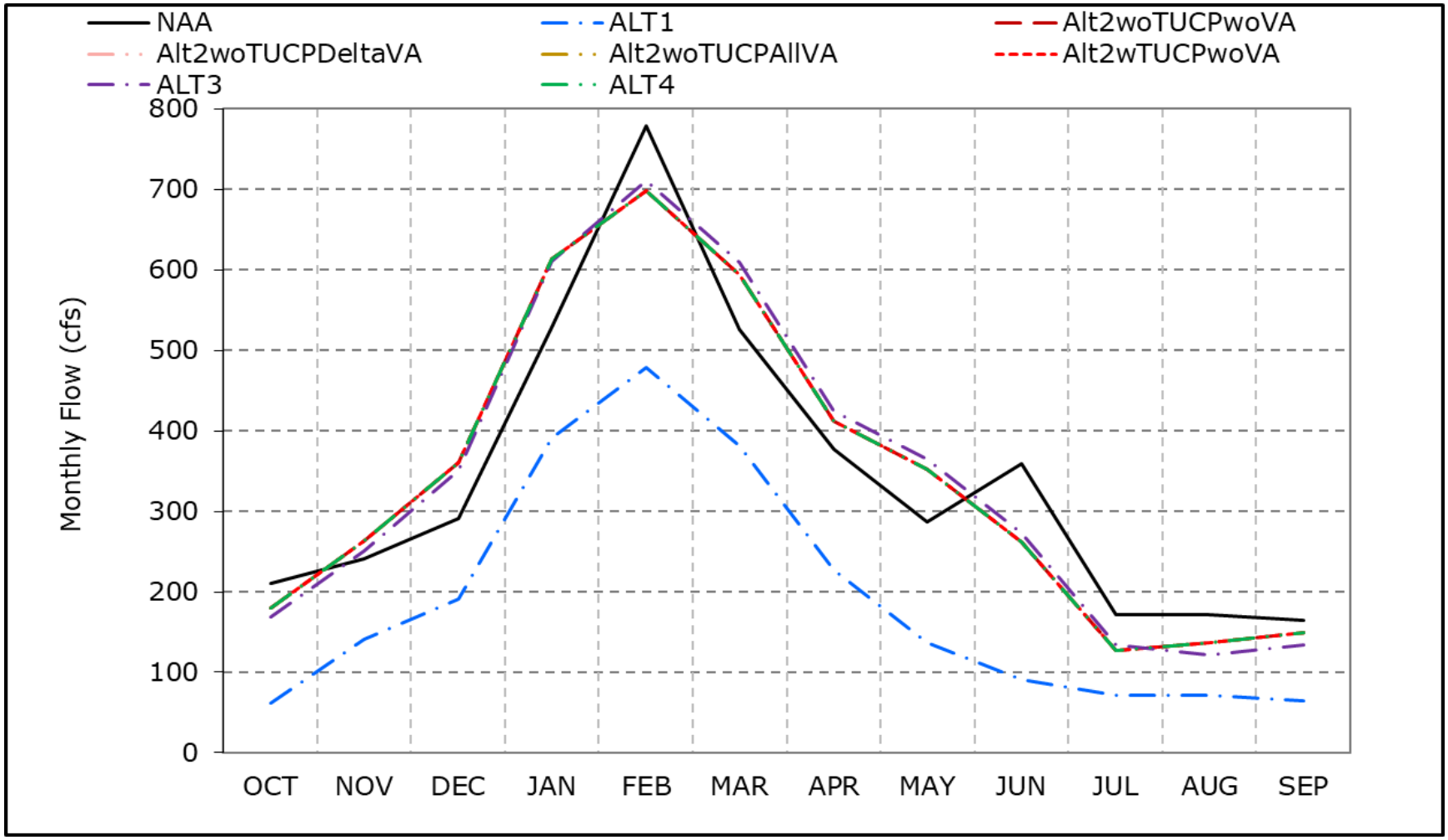
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-25	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-27	-23	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-31	-9
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-41	-33	-13
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-40	-34	-14
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-42	-35	-14
80% Exceedance	-31	22	68	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	3	0	10	77	14	0	81	-75	-43	-36	-15
Full Simulation Period Average[a]	-24	24	58	79	-32	60	29	69	-95	-37	-31	-14
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	30	66	83	-53	71	35	66	-98	-44	-36	-14
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	18	23	-2	54	37	22	2	81	-82	-4	-9	-6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



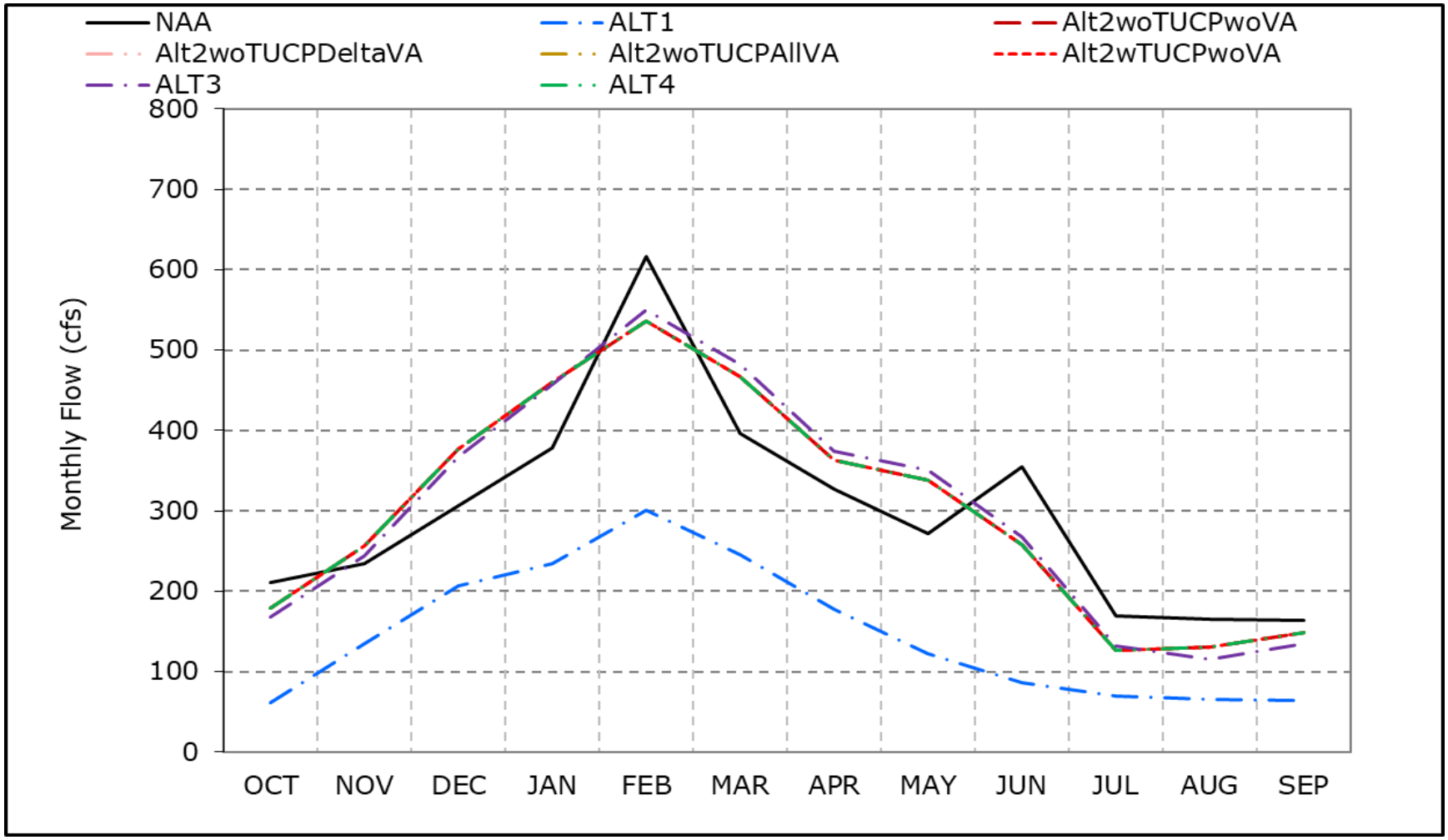
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-1. Clear Creek below Whiskeytown Dam Flow, Long-Term Average Flow



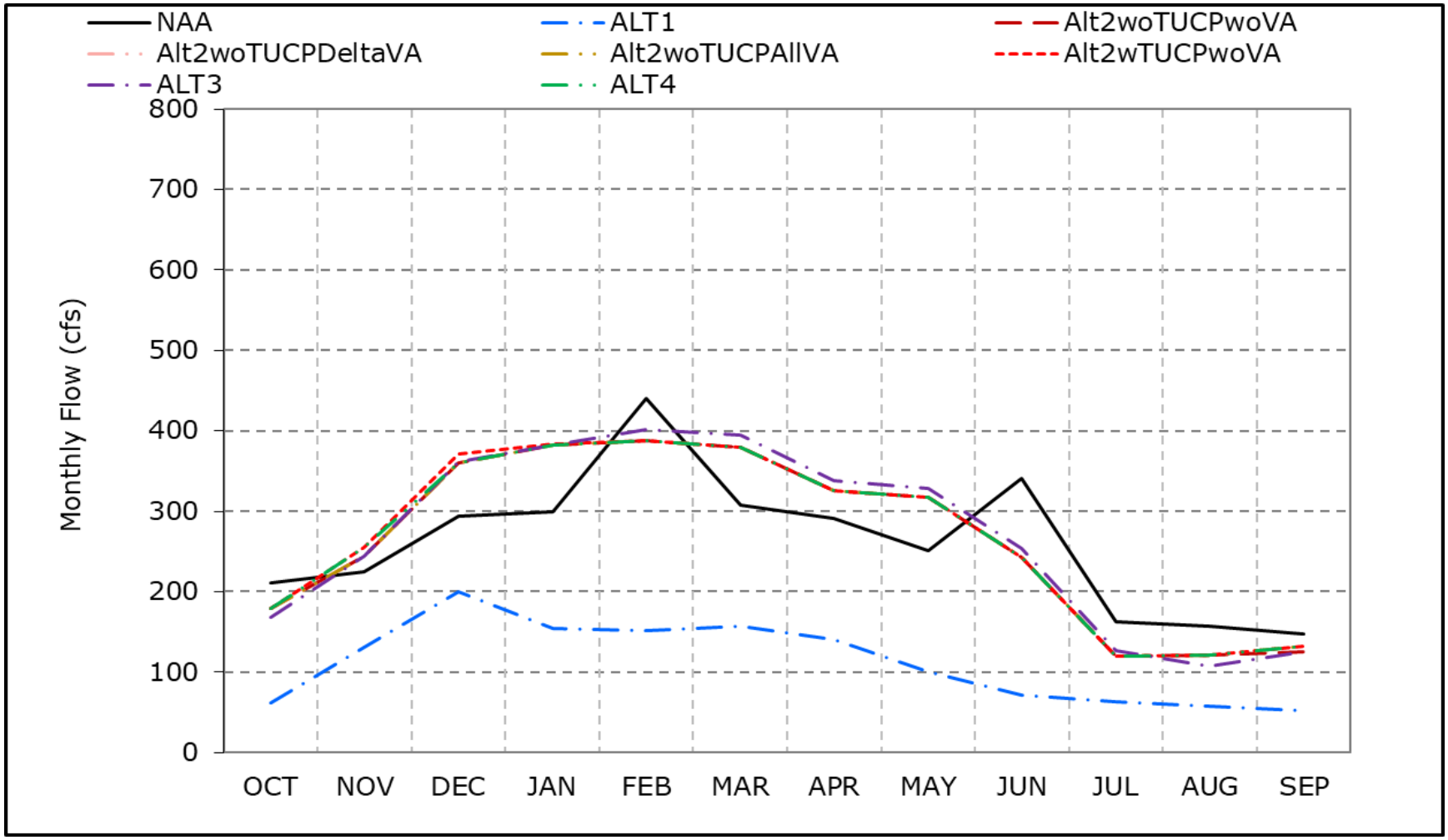
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-2. Clear Creek below Whiskeytown Dam Flow, Wet Year Average Flow



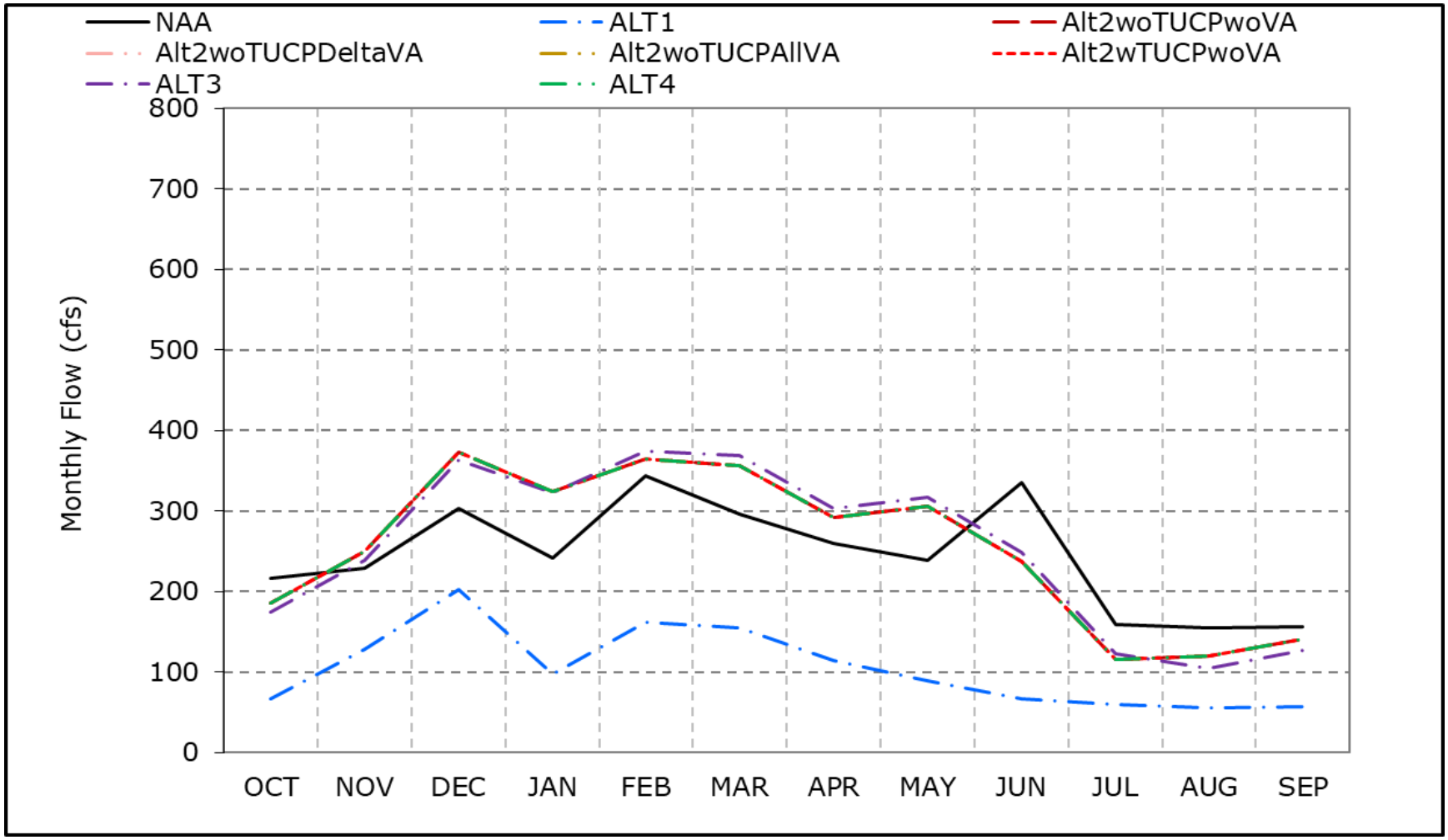
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-3. Clear Creek below Whiskeytown Dam Flow, Above Normal Year Average Flow



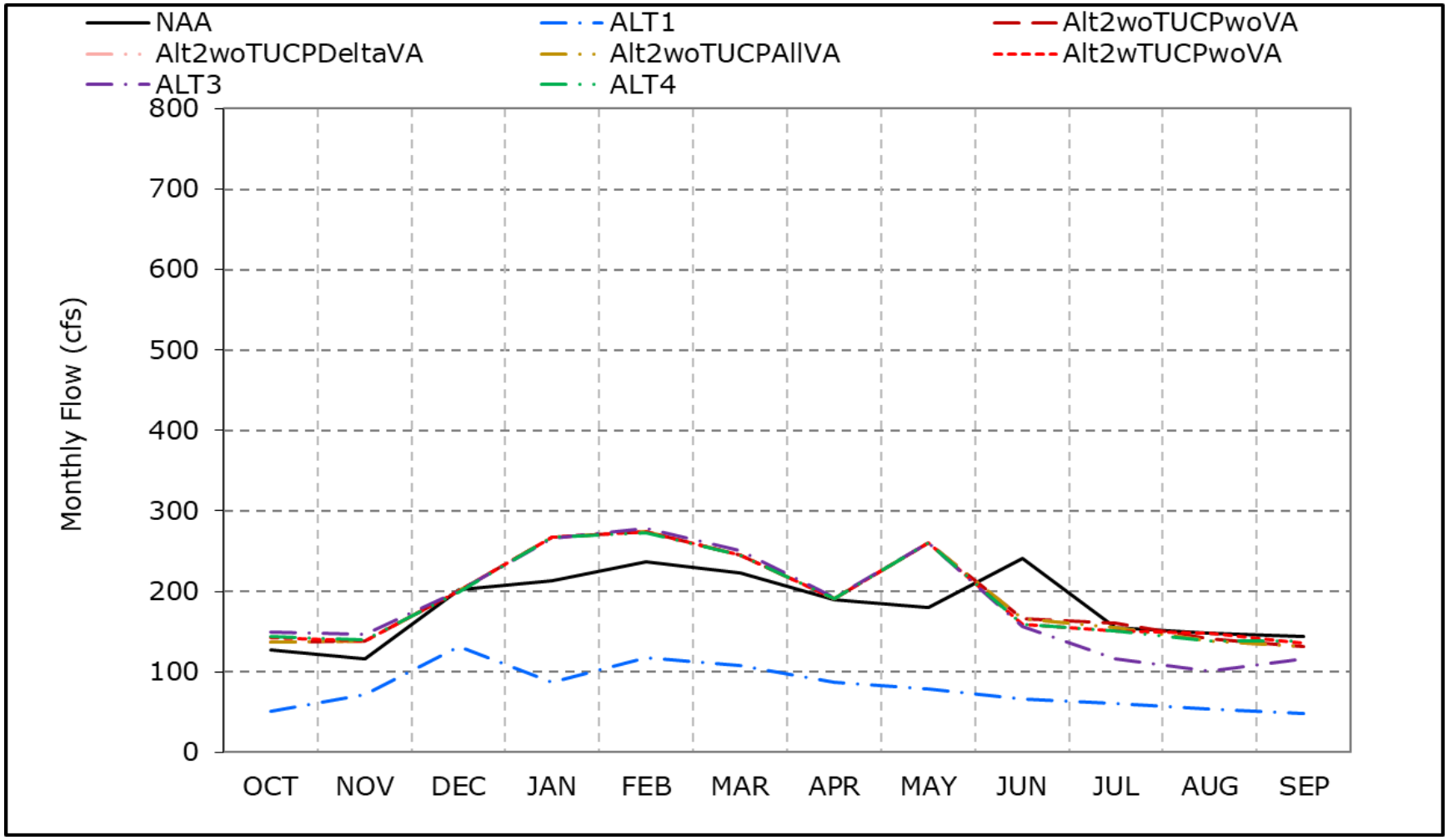
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-4. Clear Creek below Whiskeytown Dam Flow, Below Normal Year Average Flow



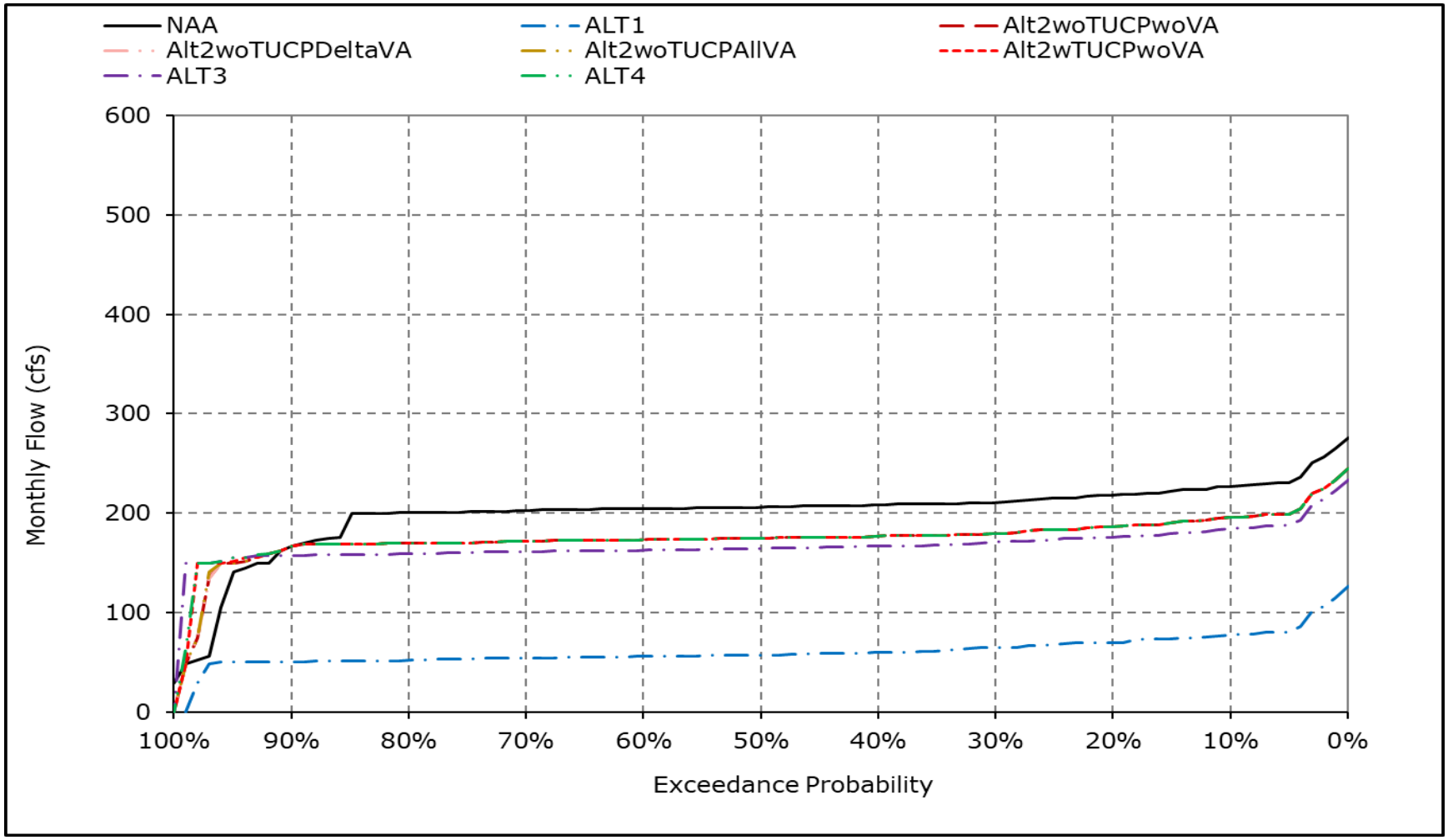
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-5. Clear Creek below Whiskeytown Dam Flow, Dry Year Average Flow



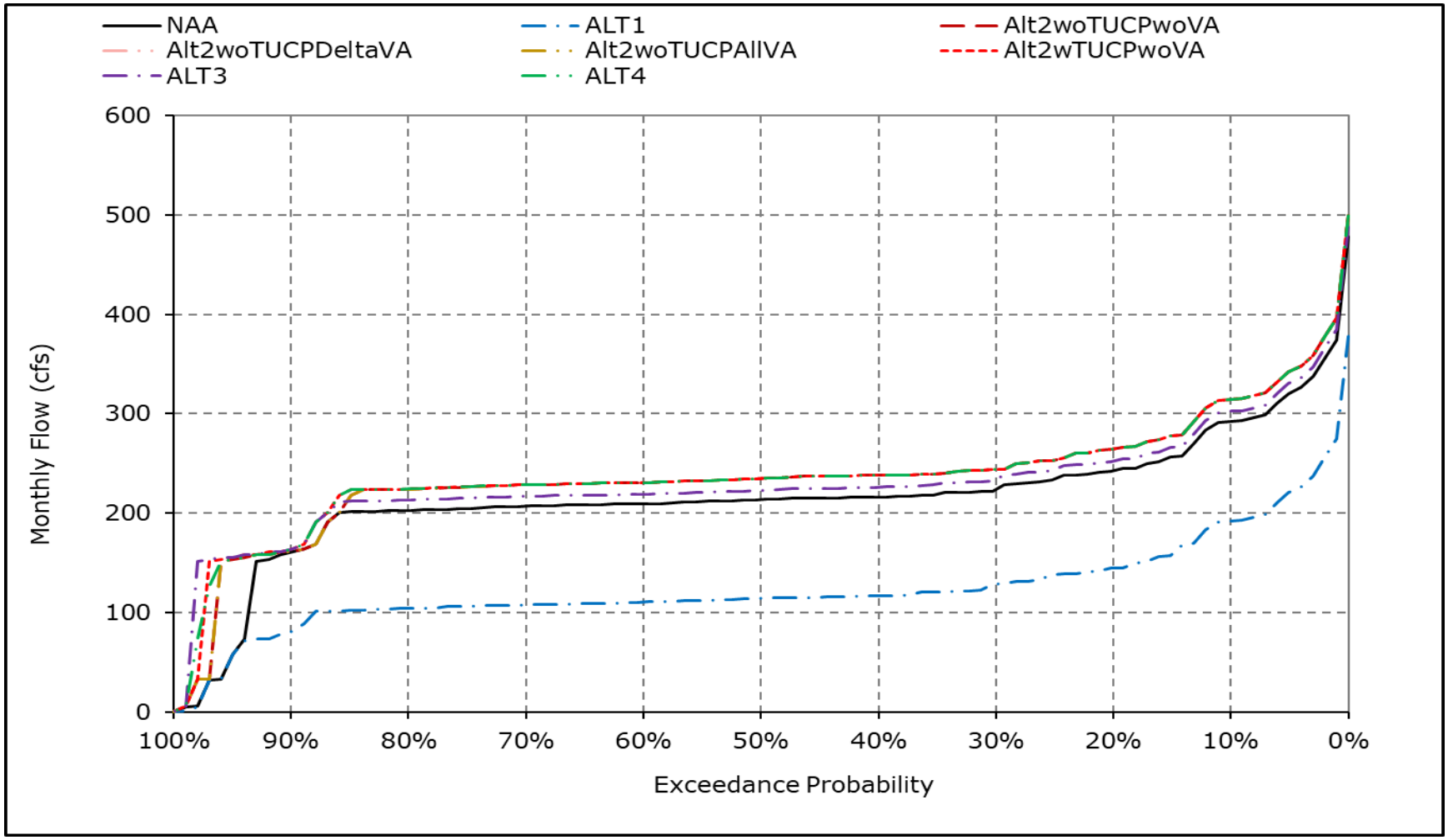
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-6. Clear Creek below Whiskeytown Dam Flow, Critical Year Average Flow



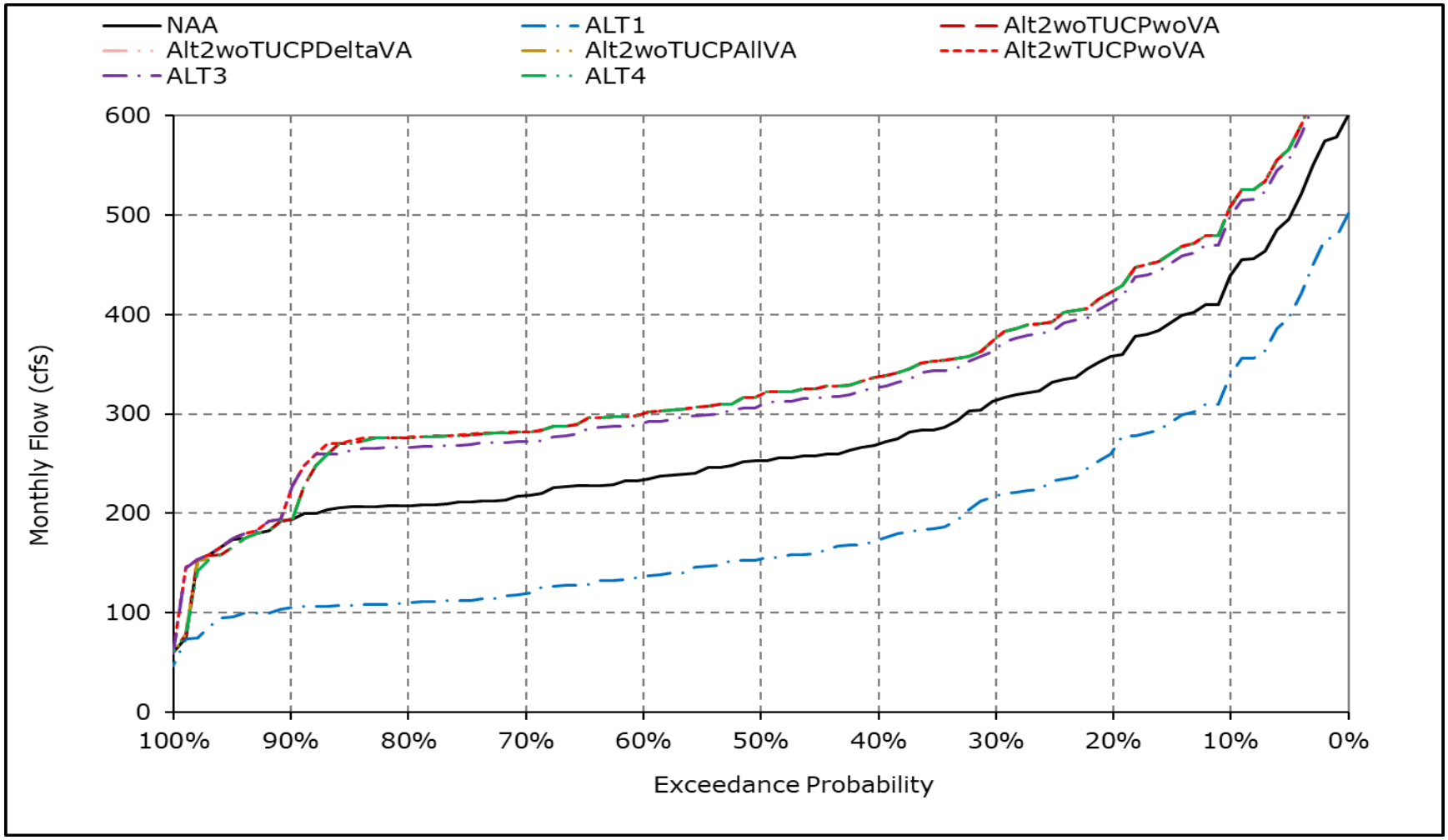
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-7. Clear Creek below Whiskeytown Dam Flow, October



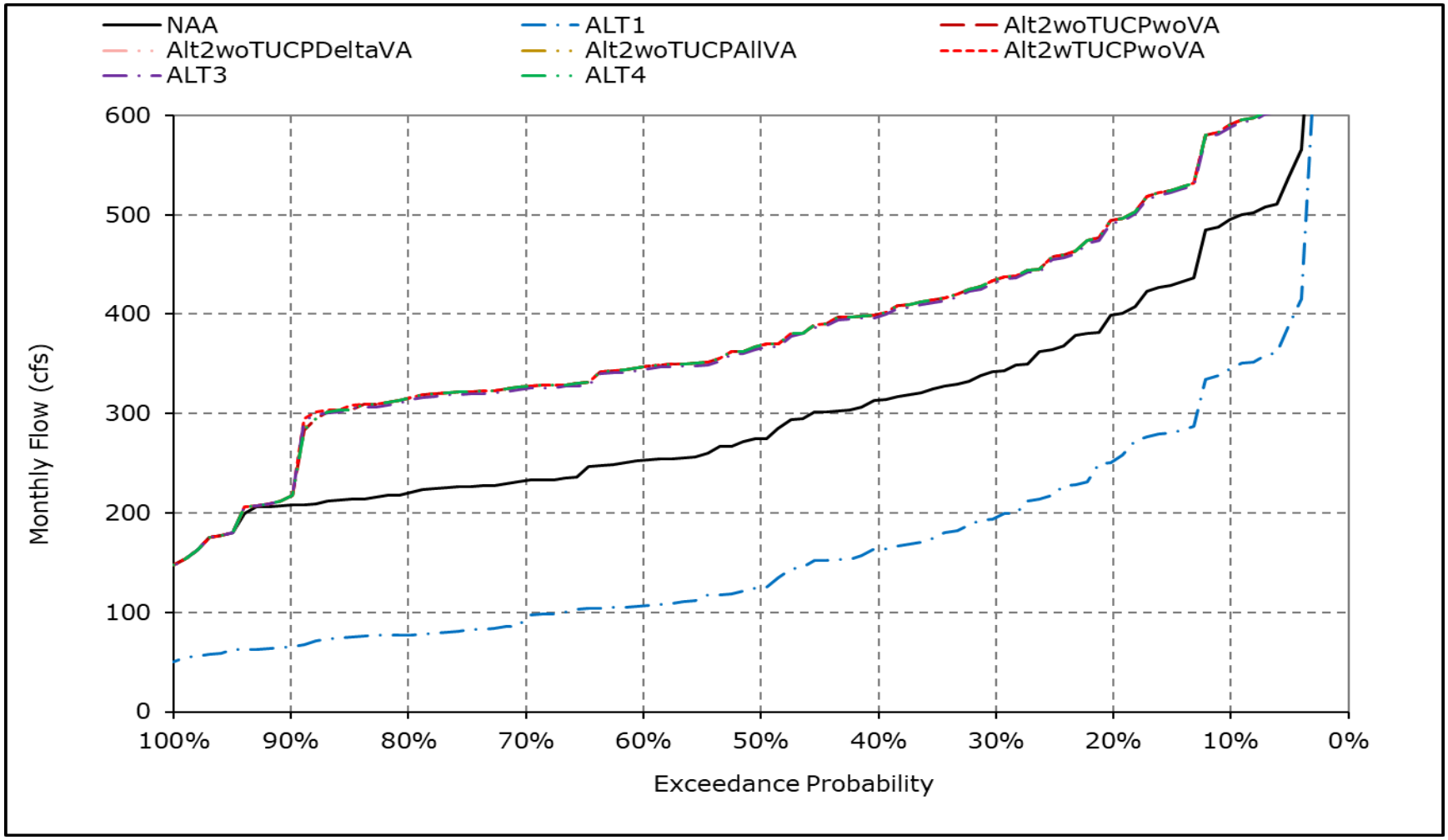
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-8. Clear Creek below Whiskeytown Dam Flow, November



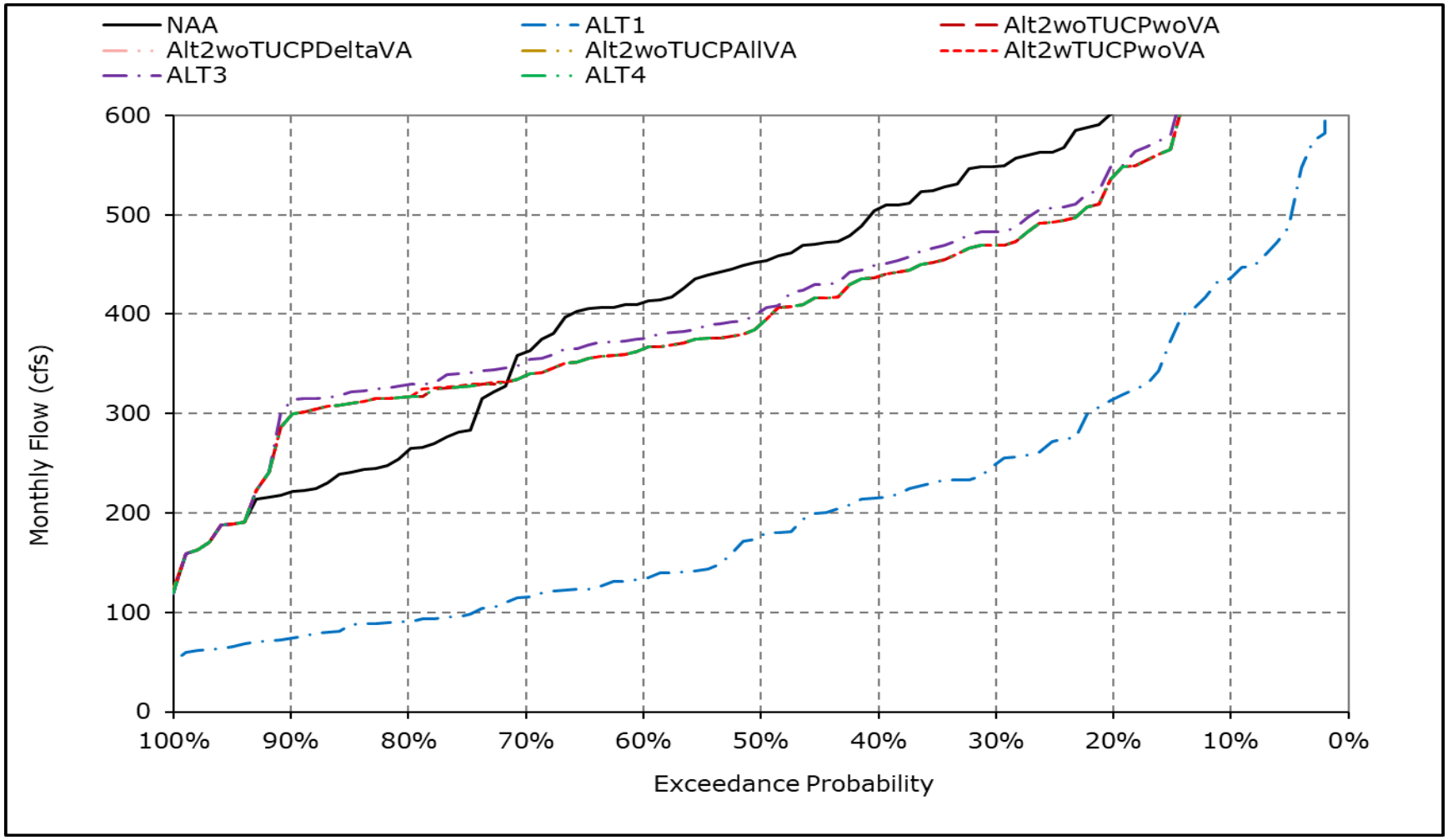
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-9. Clear Creek below Whiskeytown Dam Flow, December



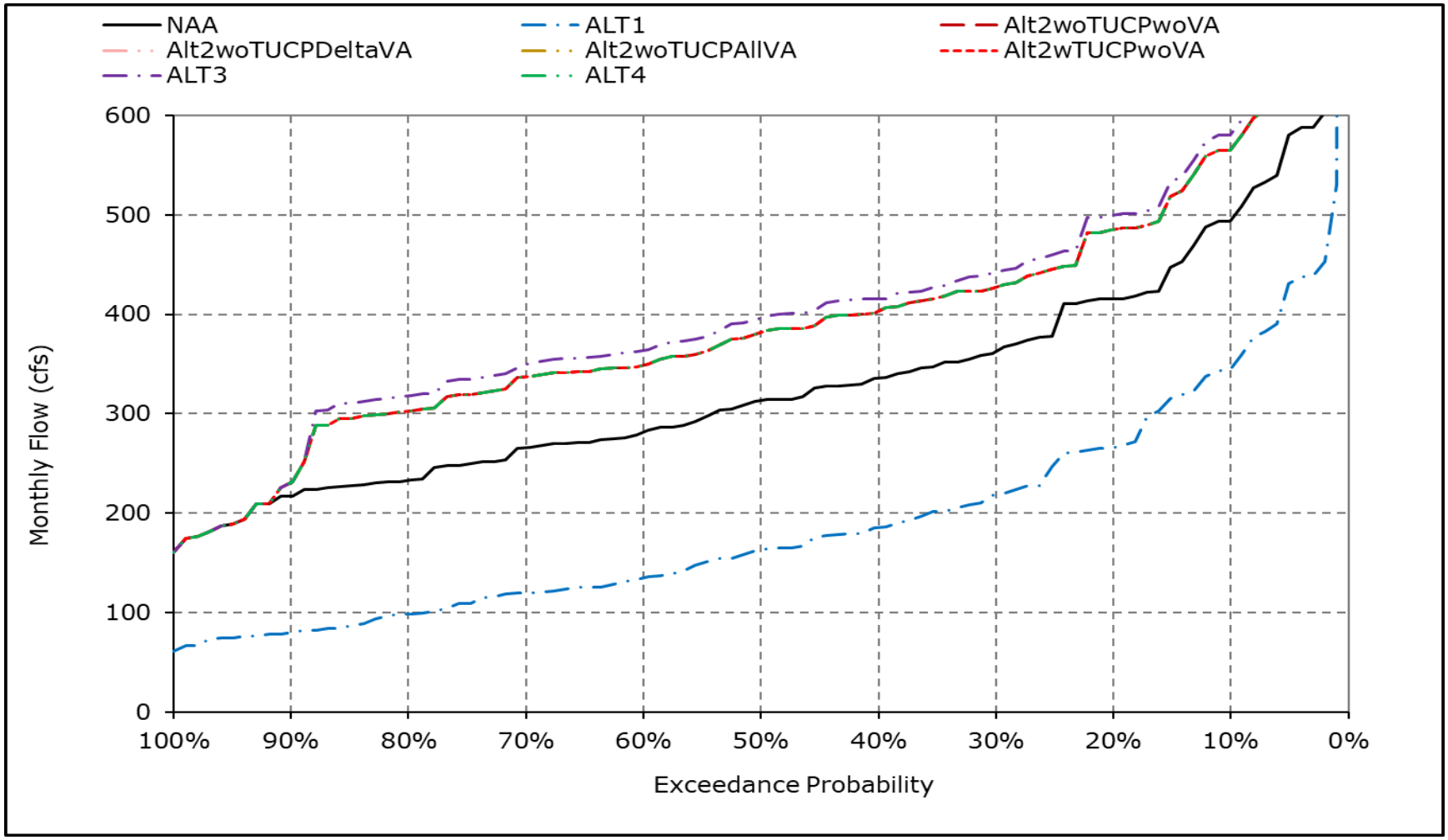
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-10. Clear Creek below Whiskeytown Dam Flow, January



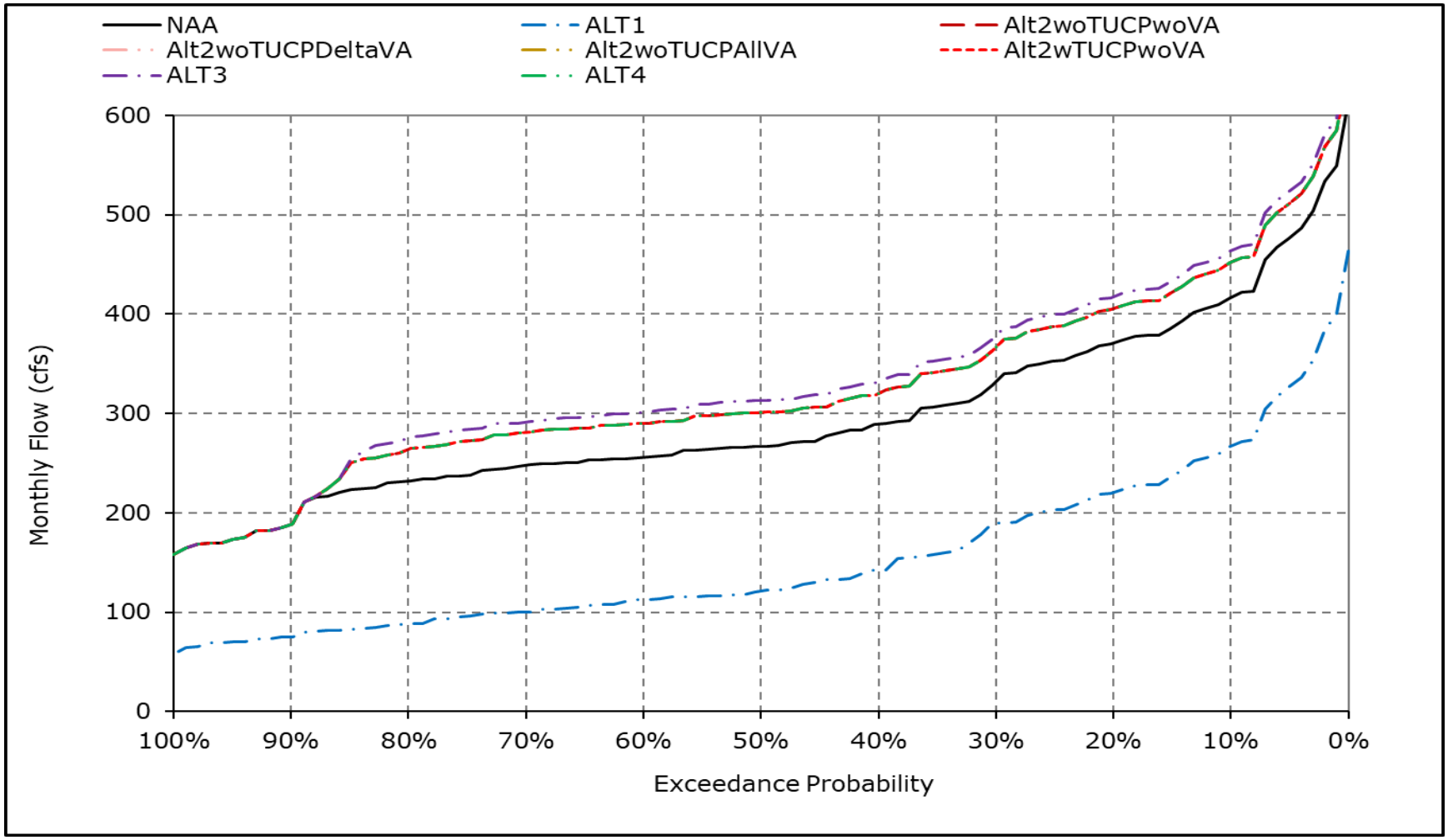
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-11. Clear Creek below Whiskeytown Dam Flow, February



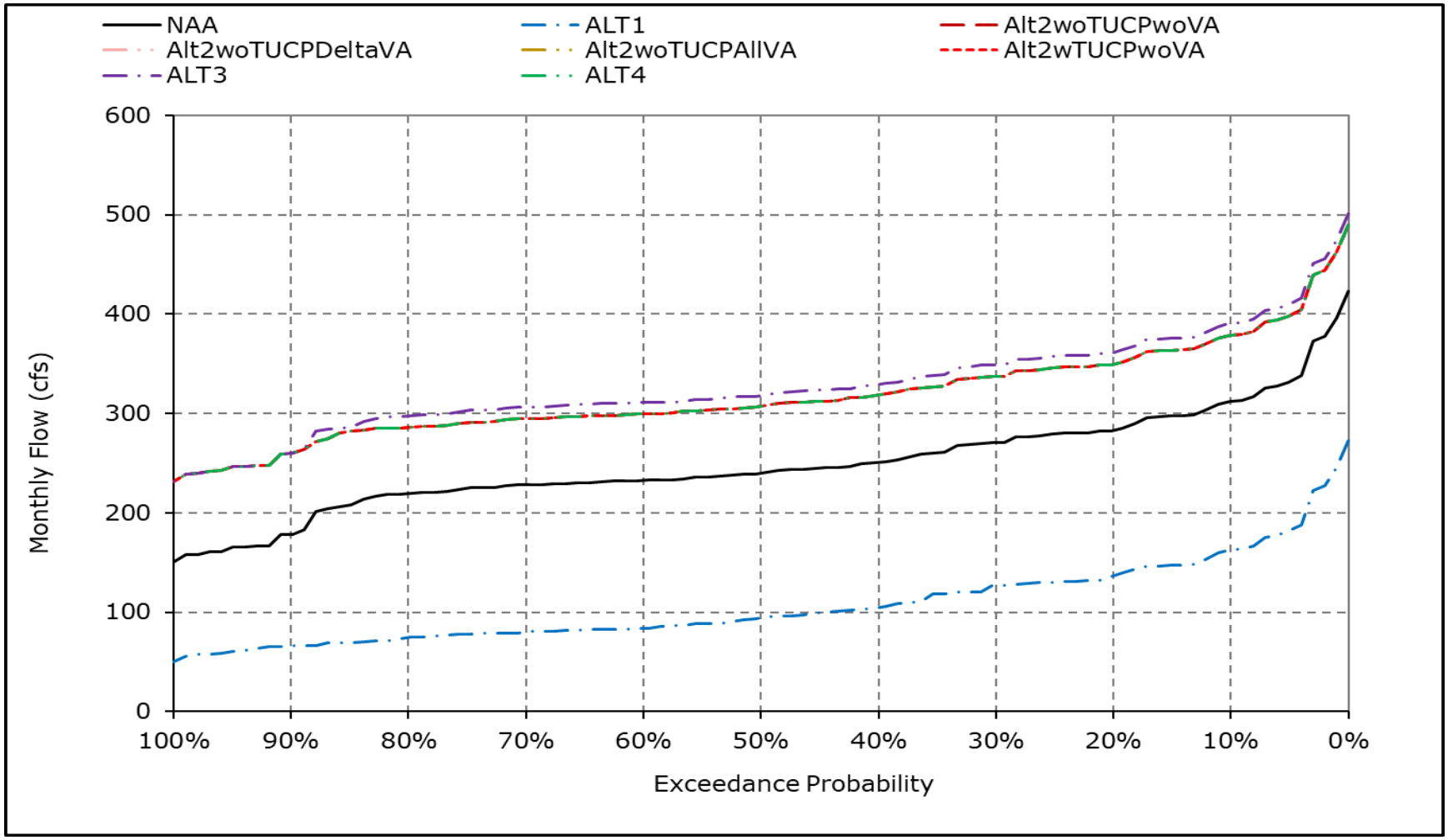
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-12. Clear Creek below Whiskeytown Dam Flow, March



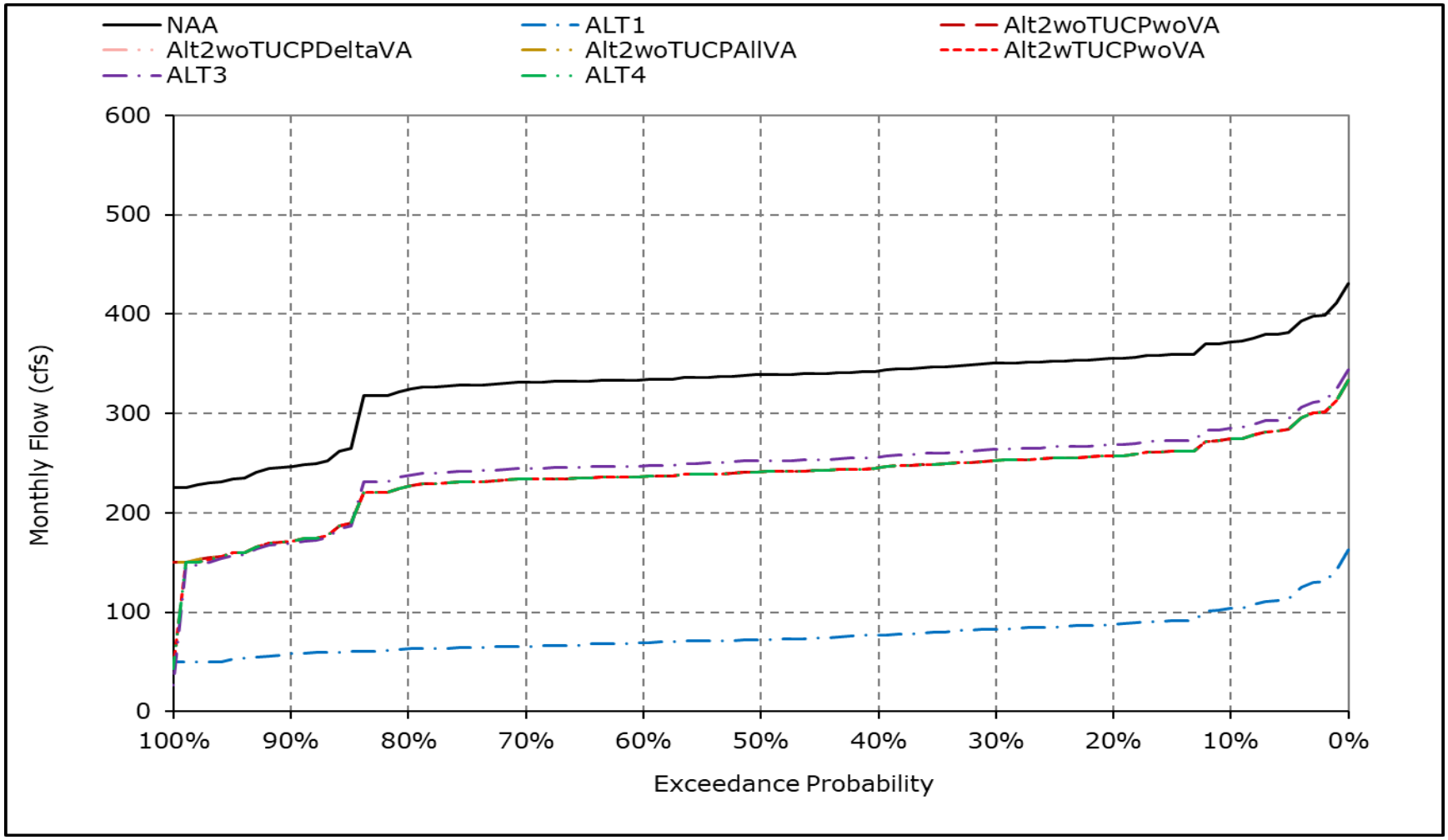
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-13. Clear Creek below Whiskeytown Dam Flow, April



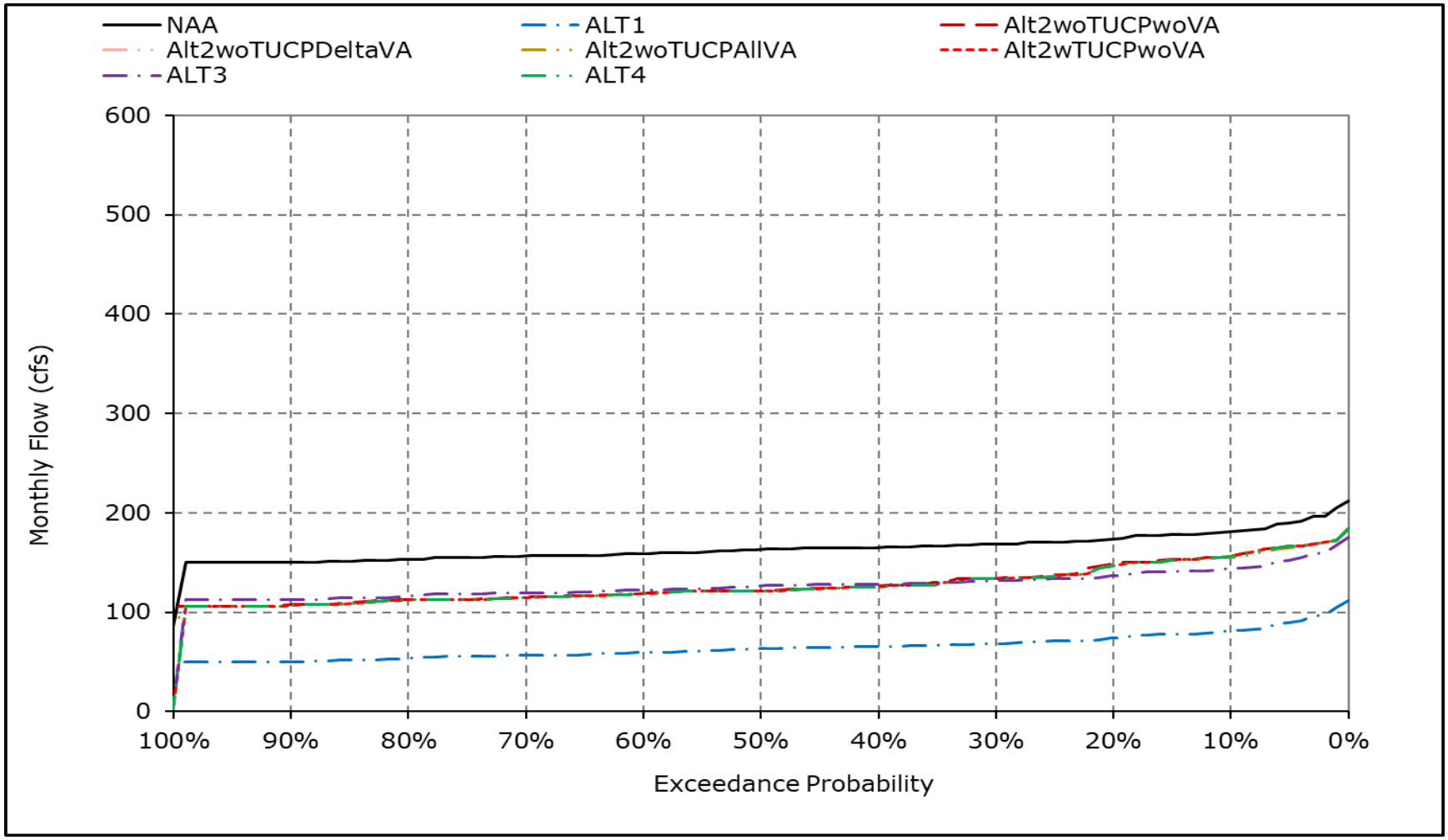
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-14. Clear Creek below Whiskeytown Dam Flow, May



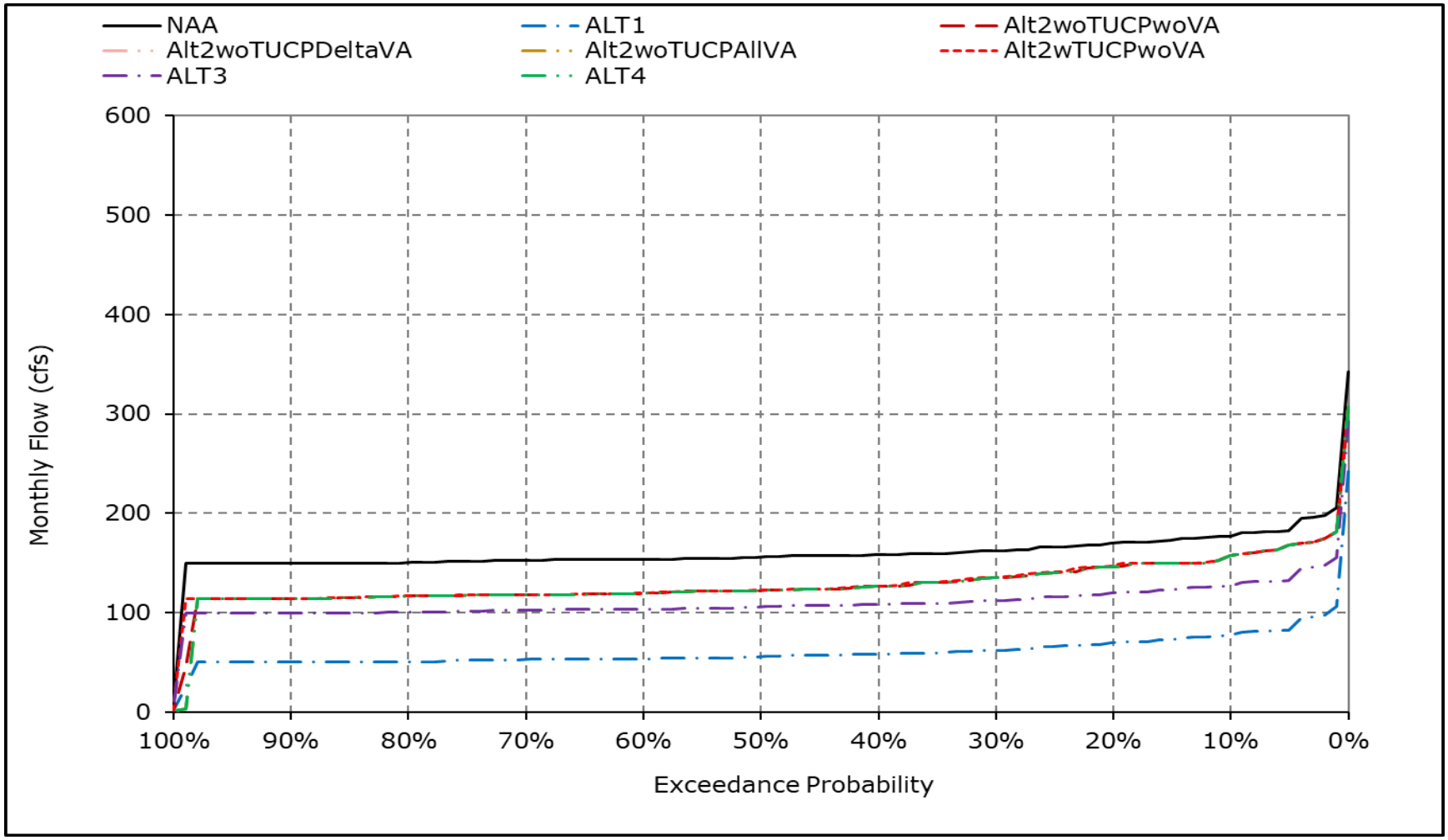
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-15. Clear Creek below Whiskeytown Dam Flow, June



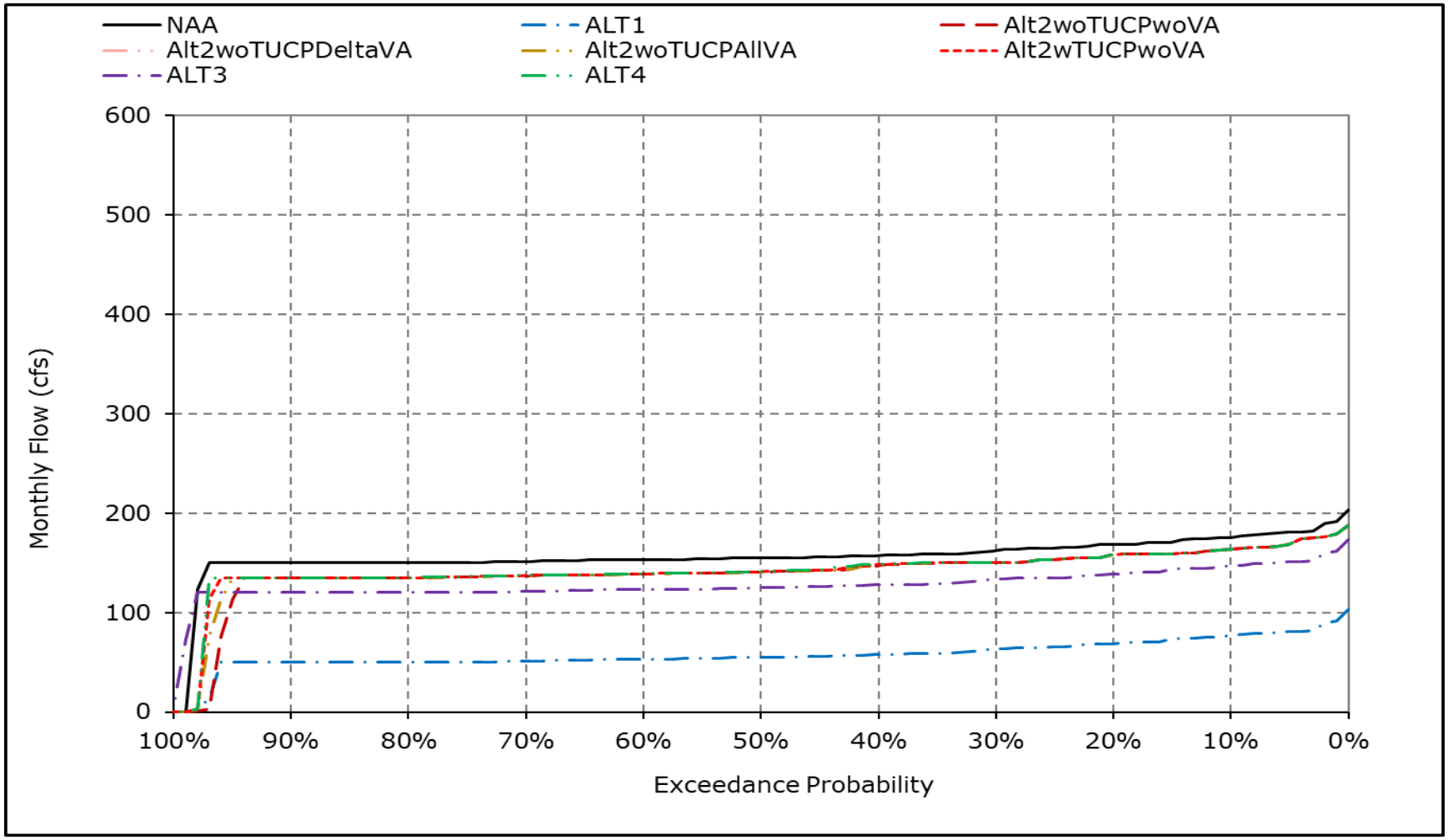
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-16. Clear Creek below Whiskeytown Dam Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-17. Clear Creek below Whiskeytown Dam Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-18. Clear Creek below Whiskeytown Dam Flow, September

Table F.2.2-3-1a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-1b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,567	7,285	17,952	24,657	33,202	17,344	9,702	10,268	14,103	15,952	11,108	9,044
20% Exceedance	7,627	6,201	10,795	15,947	20,496	13,710	8,255	9,307	13,303	15,298	10,645	7,716
30% Exceedance	6,653	5,777	6,450	8,464	10,012	8,492	7,613	8,887	12,419	14,695	9,881	7,251
40% Exceedance	6,008	5,512	4,960	4,565	6,786	4,999	6,424	8,616	11,473	14,111	9,544	6,718
50% Exceedance	5,775	5,191	4,300	3,893	4,942	4,045	5,719	8,162	10,288	13,674	9,261	6,130
60% Exceedance	5,254	4,880	3,713	3,250	3,250	3,250	4,460	7,710	9,089	12,818	9,010	5,831
70% Exceedance	5,051	4,277	3,250	3,250	3,250	3,250	3,583	7,265	8,753	11,746	8,609	5,639
80% Exceedance	4,497	3,890	3,250	3,250	3,250	3,250	3,250	6,663	8,146	11,001	8,317	5,330
90% Exceedance	3,729	3,250	3,250	3,250	3,250	3,250	3,250	5,622	7,706	10,209	7,758	5,026
Full Simulation Period Average[a]	5,951	5,482	7,489	8,917	12,061	8,539	6,493	8,167	10,660	13,217	9,332	6,629
Wet Water Years (28%)	7,605	6,405	9,132	18,179	24,345	16,086	9,140	7,777	9,506	13,320	9,936	8,538
Above Normal Water Years (14%)	6,297	6,231	6,924	10,499	16,649	9,960	5,282	8,422	11,620	14,959	9,727	6,838
Below Normal Water Years (18%)	5,733	5,026	7,660	5,221	6,021	5,409	5,561	9,359	11,675	13,698	9,802	6,272
Dry Water Years (24%)	5,024	5,027	8,298	3,441	4,938	4,318	5,975	8,040	11,379	13,015	9,292	5,725
Critical Water Years (16%)	4,263	4,287	3,485	3,696	4,028	3,944	4,745	7,477	9,621	11,276	7,457	4,867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-1c. Sacramento River Flow downstream of Keswick Reservoir, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	207	-225	6	5,077	1,261	-646	48	110	921	-48	-1,460	-622
20% Exceedance	72	-822	2,339	1,949	330	714	378	132	1,358	-702	-628	-1,045
30% Exceedance	-286	-411	345	150	222	-225	831	117	1,235	-620	-744	-871
40% Exceedance	-39	-324	162	668	786	529	620	306	1,028	-298	-364	-450
50% Exceedance	490	-47	621	643	1,205	288	521	259	1,072	-27	-248	152
60% Exceedance	104	-141	453	0	0	0	-42	277	549	-239	-147	73
70% Exceedance	169	-427	0	0	0	0	284	377	526	2	1	93
80% Exceedance	13	65	0	0	0	0	0	294	389	15	8	120
90% Exceedance	145	-14	0	0	0	0	0	432	232	804	180	135
Full Simulation Period Average[a]	82	-192	421	284	350	187	213	268	797	-89	-473	-280
Wet Water Years (28%)	152	-169	372	462	417	117	-125	419	787	-287	-435	-639
Above Normal Water Years (14%)	-260	-986	1,518	488	574	-39	-145	497	1,522	-594	-1,278	-1,733
Below Normal Water Years (18%)	208	15	-36	310	742	397	236	51	1,266	-461	-969	664
Dry Water Years (24%)	215	1	307	42	245	181	383	-11	429	-123	186	200
Critical Water Years (16%)	-69	-2	150	128	-249	283	840	464	206	1,168	-267	-163

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-2a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-2b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,741	17,932	21,187	32,029	16,465	9,523	9,782	13,013	16,000	12,462	9,899
20% Exceedance	7,647	7,081	9,425	13,342	20,672	12,287	7,815	9,223	11,641	15,851	11,323	8,987
30% Exceedance	7,207	6,376	5,874	8,218	9,718	8,590	6,986	8,590	11,086	15,027	10,547	8,312
40% Exceedance	6,285	6,121	5,161	4,627	6,348	4,639	5,959	8,265	10,516	14,282	9,873	7,074
50% Exceedance	5,692	5,488	3,944	3,250	3,480	3,887	5,434	7,798	9,285	13,285	9,453	6,308
60% Exceedance	5,147	5,041	3,336	3,250	3,250	3,250	4,899	6,913	8,564	12,318	9,205	5,727
70% Exceedance	4,832	4,768	3,250	3,250	3,250	3,250	3,904	6,457	8,313	11,360	8,652	5,540
80% Exceedance	4,490	4,305	3,250	3,250	3,250	3,250	3,250	5,808	7,774	10,626	8,025	5,133
90% Exceedance	3,960	3,377	3,250	3,250	3,250	3,250	3,250	4,951	7,435	9,482	7,325	4,704
Full Simulation Period Average[a]	5,971	5,848	7,215	8,762	11,821	8,336	6,382	7,664	9,758	13,037	9,575	6,920
Wet Water Years (28%)	7,513	6,612	8,872	18,020	24,174	15,904	9,235	7,358	8,779	13,405	10,298	9,185
Above Normal Water Years (14%)	6,971	7,239	5,405	9,904	16,022	9,615	5,393	7,866	10,211	15,436	10,831	8,776
Below Normal Water Years (18%)	5,538	5,345	7,811	4,890	5,442	5,036	5,160	9,157	10,522	13,641	10,457	5,904
Dry Water Years (24%)	4,899	5,033	8,380	3,652	4,845	4,131	5,541	7,679	10,734	12,781	9,184	5,555
Critical Water Years (16%)	4,325	4,941	3,355	3,582	4,168	3,994	4,890	6,321	8,753	10,001	6,805	4,519

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-2c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	276	231	-14	1,607	88	-1,525	-131	-376	-170	0	-105	233
20% Exceedance	92	58	969	-656	507	-709	-63	48	-304	-149	50	226
30% Exceedance	268	188	-231	-95	-72	-127	204	-180	-99	-288	-78	190
40% Exceedance	238	284	364	730	348	170	155	-45	71	-127	-35	-94
50% Exceedance	406	250	266	0	-257	129	236	-105	69	-415	-56	330
60% Exceedance	-3	19	77	0	0	0	397	-520	24	-738	47	-31
70% Exceedance	-50	65	0	0	0	0	605	-431	85	-384	44	-5
80% Exceedance	6	480	0	0	0	0	0	-561	16	-361	-285	-77
90% Exceedance	376	113	0	0	0	0	0	-239	-39	77	-254	-186
Full Simulation Period Average[a]	102	174	148	129	110	-16	103	-235	-105	-269	-230	10
Wet Water Years (28%)	60	37	111	303	246	-65	-29	0	60	-203	-74	8
Above Normal Water Years (14%)	414	22	-1	-108	-53	-384	-34	-59	113	-117	-174	205
Below Normal Water Years (18%)	13	334	115	-21	164	24	-165	-151	113	-518	-314	296
Dry Water Years (24%)	90	8	389	253	151	-6	-51	-371	-216	-357	78	31
Critical Water Years (16%)	-7	653	21	14	-109	332	985	-692	-661	-107	-918	-510

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-3a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-3b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,655	7,794	17,932	20,786	32,029	16,899	9,549	9,744	13,139	16,000	12,525	9,955
20% Exceedance	7,800	7,240	8,885	13,342	20,887	12,969	7,596	9,031	11,497	16,000	11,206	8,999
30% Exceedance	7,166	6,367	5,884	8,218	9,295	8,586	7,066	8,677	11,113	15,286	10,495	8,354
40% Exceedance	6,411	6,103	4,615	3,790	5,919	4,865	5,873	8,292	10,416	14,393	9,927	7,075
50% Exceedance	5,754	5,503	4,037	3,250	3,487	3,899	5,624	7,665	9,312	13,463	9,676	6,271
60% Exceedance	5,145	5,177	3,269	3,250	3,250	3,250	4,756	6,892	8,563	12,444	9,310	5,732
70% Exceedance	4,836	4,791	3,250	3,250	3,250	3,250	4,009	6,516	8,313	11,398	8,652	5,517
80% Exceedance	4,492	4,352	3,250	3,250	3,250	3,250	3,250	5,860	7,779	10,613	8,064	5,109
90% Exceedance	3,999	3,378	3,250	3,250	3,250	3,250	3,250	4,932	7,435	9,523	7,177	4,642
Full Simulation Period Average[a]	6,011	5,869	7,183	8,624	11,760	8,379	6,381	7,677	9,757	13,117	9,644	6,908
Wet Water Years (28%)	7,514	6,692	8,767	17,784	24,176	15,907	9,236	7,340	8,788	13,418	10,330	9,213
Above Normal Water Years (14%)	6,999	7,392	5,377	9,882	16,081	9,725	5,379	7,898	10,065	15,534	10,874	8,821
Below Normal Water Years (18%)	5,663	5,275	7,852	4,881	5,552	5,038	5,191	9,121	10,508	13,676	10,596	5,826
Dry Water Years (24%)	4,902	4,994	8,351	3,491	4,837	4,091	5,391	7,747	10,774	12,933	9,230	5,527
Critical Water Years (16%)	4,406	4,919	3,363	3,405	3,618	4,220	5,086	6,341	8,814	10,120	6,915	4,489

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-3c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	294	285	-14	1,206	88	-1,091	-105	-414	-43	0	-42	289
20% Exceedance	245	217	429	-656	721	-26	-282	-144	-449	0	-68	238
30% Exceedance	226	179	-221	-95	-496	-130	284	-93	-72	-28	-131	232
40% Exceedance	364	267	-182	-107	-82	396	69	-17	-30	-15	19	-93
50% Exceedance	468	265	359	0	-250	141	426	-238	96	-238	167	293
60% Exceedance	-4	156	10	0	0	0	254	-542	23	-612	153	-26
70% Exceedance	-45	88	0	0	0	0	710	-372	85	-346	44	-29
80% Exceedance	8	527	0	0	0	0	0	-509	22	-374	-246	-100
90% Exceedance	415	113	0	0	0	0	0	-258	-39	119	-402	-249
Full Simulation Period Average[a]	141	194	116	-9	48	27	101	-223	-106	-190	-161	-2
Wet Water Years (28%)	61	118	6	66	248	-61	-29	-18	69	-190	-41	36
Above Normal Water Years (14%)	442	176	-30	-130	6	-273	-48	-27	-32	-18	-131	250
Below Normal Water Years (18%)	138	265	156	-31	274	26	-135	-186	99	-483	-175	218
Dry Water Years (24%)	92	-32	360	92	144	-47	-201	-304	-176	-205	124	2
Critical Water Years (16%)	73	631	28	-162	-660	558	1,181	-672	-601	11	-809	-541

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-4a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-4b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,508	8,189	17,932	21,399	32,029	16,011	9,966	9,775	12,616	15,793	12,285	10,016
20% Exceedance	7,674	7,294	9,000	13,342	21,877	12,292	8,100	9,177	11,026	15,574	11,134	8,978
30% Exceedance	7,005	6,390	5,939	8,474	10,181	8,570	7,314	8,773	10,513	15,026	10,360	8,375
40% Exceedance	6,296	5,923	4,802	4,074	6,348	4,616	6,450	8,195	9,819	14,334	9,866	7,123
50% Exceedance	5,625	5,549	4,033	3,250	3,679	3,795	5,758	7,897	8,938	13,147	9,608	6,271
60% Exceedance	5,090	5,103	3,250	3,250	3,250	3,250	4,694	7,021	8,331	12,398	9,165	5,767
70% Exceedance	4,773	4,806	3,250	3,250	3,250	3,250	4,313	6,514	8,071	11,265	8,552	5,534
80% Exceedance	4,482	4,154	3,250	3,250	3,250	3,250	4,000	5,737	7,754	10,829	8,081	5,164
90% Exceedance	3,999	3,360	3,250	3,250	3,250	3,250	3,250	4,893	7,185	9,480	7,369	4,647
Full Simulation Period Average[a]	5,954	5,897	7,237	8,759	11,918	8,301	6,636	7,704	9,387	12,982	9,576	6,933
Wet Water Years (28%)	7,495	6,687	8,774	17,993	24,205	15,907	9,326	7,353	8,703	13,402	10,315	9,229
Above Normal Water Years (14%)	6,894	7,428	5,398	9,943	16,167	9,390	6,067	8,062	9,391	15,346	10,667	8,844
Below Normal Water Years (18%)	5,547	5,330	7,862	4,893	5,584	5,036	5,871	9,281	9,823	13,463	10,420	5,918
Dry Water Years (24%)	4,847	5,141	8,565	3,485	4,988	4,116	5,503	7,466	10,285	12,674	9,081	5,548
Critical Water Years (16%)	4,393	4,782	3,333	3,825	4,217	3,986	4,989	6,588	8,743	10,101	7,123	4,461

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-4c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	148	680	-14	1,819	88	-1,978	311	-383	-567	-207	-283	349
20% Exceedance	119	271	544	-656	1,711	-704	222	2	-920	-426	-139	218
30% Exceedance	66	201	-166	160	391	-147	532	3	-672	-289	-265	253
40% Exceedance	249	87	4	177	348	147	646	-115	-626	-75	-42	-45
50% Exceedance	339	311	354	0	-57	37	560	-7	-278	-553	99	293
60% Exceedance	-60	82	-9	0	0	0	192	-412	-209	-659	7	9
70% Exceedance	-109	102	0	0	0	0	1,013	-374	-156	-479	-56	-12
80% Exceedance	-2	328	0	0	0	0	750	-632	-3	-158	-229	-46
90% Exceedance	415	96	0	0	0	0	0	-297	-289	75	-210	-243
Full Simulation Period Average[a]	84	222	170	126	206	-51	357	-195	-476	-324	-228	23
Wet Water Years (28%)	42	112	14	276	277	-61	61	-5	-17	-205	-57	52
Above Normal Water Years (14%)	337	211	-8	-69	92	-609	640	136	-707	-206	-338	273
Below Normal Water Years (18%)	22	319	166	-19	306	24	546	-27	-586	-696	-351	310
Dry Water Years (24%)	38	115	573	86	295	-21	-89	-585	-664	-464	-25	23
Critical Water Years (16%)	61	493	-2	258	-60	324	1,084	-425	-672	-8	-600	-568

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-5a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-5b. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,799	17,932	20,961	32,029	18,075	9,519	9,782	13,012	16,000	12,459	9,916
20% Exceedance	7,637	7,176	9,433	13,342	20,682	12,290	7,813	8,994	11,655	15,932	11,333	8,994
30% Exceedance	7,201	6,365	5,875	8,483	9,721	8,589	6,909	8,548	10,970	15,102	10,546	8,312
40% Exceedance	6,284	5,987	5,208	4,767	6,567	4,470	5,807	8,219	10,455	14,384	9,865	7,116
50% Exceedance	5,740	5,467	4,255	3,250	3,474	3,633	5,247	7,683	9,140	13,286	9,491	6,401
60% Exceedance	5,146	5,100	3,380	3,250	3,250	3,250	4,401	6,878	8,567	12,048	9,244	5,761
70% Exceedance	4,873	4,765	3,250	3,250	3,250	3,250	3,316	6,472	8,306	11,292	8,663	5,562
80% Exceedance	4,608	4,306	3,250	3,250	3,250	3,250	3,250	5,907	7,961	10,368	7,907	5,197
90% Exceedance	4,023	3,376	3,250	3,250	3,250	3,250	3,250	4,962	7,423	9,237	7,187	4,850
Full Simulation Period Average[a]	6,032	5,857	7,233	8,795	11,847	8,324	6,250	7,646	9,741	12,901	9,602	6,993
Wet Water Years (28%)	7,514	6,607	8,881	18,025	24,175	15,904	9,235	7,355	8,776	13,404	10,298	9,184
Above Normal Water Years (14%)	6,978	7,226	5,416	10,311	16,084	10,169	5,393	7,866	10,209	15,436	10,856	8,806
Below Normal Water Years (18%)	5,575	5,419	7,800	4,892	5,443	5,036	5,159	9,231	10,556	13,851	10,591	5,976
Dry Water Years (24%)	4,904	5,038	8,363	3,649	4,980	4,122	5,565	7,688	10,742	12,758	9,190	5,560
Critical Water Years (16%)	4,674	4,925	3,483	3,425	4,072	3,446	4,030	6,120	8,601	8,947	6,793	4,867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-5c. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	276	290	-14	1,381	88	85	-135	-376	-170	0	-108	250
20% Exceedance	82	153	976	-656	516	-705	-64	-181	-290	-68	60	234
30% Exceedance	262	176	-230	169	-69	-127	127	-222	-215	-213	-79	190
40% Exceedance	237	151	411	870	566	0	3	-91	10	-24	-43	-52
50% Exceedance	454	229	576	0	-263	-125	48	-220	-76	-414	-18	422
60% Exceedance	-4	79	121	0	0	0	-101	-556	27	-1,008	86	3
70% Exceedance	-8	61	0	0	0	0	17	-416	78	-453	55	17
80% Exceedance	124	480	0	0	0	0	0	-462	204	-618	-403	-12
90% Exceedance	439	112	0	0	0	0	0	-228	-51	-168	-391	-40
Full Simulation Period Average[a]	163	182	165	162	136	-28	-30	-253	-122	-406	-202	84
Wet Water Years (28%)	60	32	121	308	247	-65	-30	-3	57	-204	-73	7
Above Normal Water Years (14%)	421	10	10	299	9	171	-34	-59	111	-117	-149	235
Below Normal Water Years (18%)	50	408	104	-19	165	24	-166	-77	148	-309	-180	368
Dry Water Years (24%)	95	12	372	250	286	-15	-27	-363	-208	-380	84	36
Critical Water Years (16%)	342	637	148	-143	-205	-216	125	-893	-814	-1,162	-930	-163

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-6a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-6b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,315	8,038	17,942	22,980	32,034	18,104	9,323	12,584	11,792	15,724	12,809	9,969
20% Exceedance	7,734	6,400	11,604	15,432	20,616	12,363	6,503	10,260	11,243	14,785	11,989	8,233
30% Exceedance	6,924	5,713	6,175	8,415	10,404	8,084	5,868	8,857	10,463	14,407	11,347	7,616
40% Exceedance	6,220	5,341	5,000	5,239	5,914	5,065	5,242	8,199	8,827	13,397	10,729	6,593
50% Exceedance	5,243	5,000	4,283	3,405	4,243	3,989	4,852	7,873	8,210	13,063	10,350	5,859
60% Exceedance	5,015	4,785	3,493	3,351	3,423	3,372	4,373	7,392	7,881	12,491	9,456	5,371
70% Exceedance	4,854	4,366	3,371	3,250	3,250	3,331	3,730	6,794	7,381	11,123	9,139	5,166
80% Exceedance	4,555	4,000	3,250	3,250	3,250	3,250	3,361	5,810	7,049	10,100	8,687	4,946
90% Exceedance	4,260	3,250	3,250	3,250	3,250	3,250	3,250	4,902	6,509	9,012	7,741	4,572
Full Simulation Period Average[a]	5,946	5,604	7,603	9,010	11,919	8,397	5,942	8,381	8,850	12,550	10,255	6,597
Wet Water Years (28%)	7,315	6,088	8,893	18,476	24,448	16,049	9,495	9,765	7,485	13,066	9,969	8,634
Above Normal Water Years (14%)	6,676	6,360	6,669	10,432	16,113	10,260	5,671	9,915	8,393	13,335	10,757	7,815
Below Normal Water Years (18%)	5,490	5,379	8,481	5,001	5,953	5,020	4,507	8,869	9,455	12,968	11,415	5,843
Dry Water Years (24%)	4,996	5,060	8,413	3,507	4,762	4,159	4,489	7,395	10,386	13,173	11,019	5,297
Critical Water Years (16%)	4,730	5,086	3,783	3,962	3,772	3,531	3,757	5,548	8,657	9,555	7,862	4,765

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-6c. Sacramento River Flow downstream of Keswick Reservoir, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-45	529	-4	3,400	93	114	-332	2,426	-1,390	-276	241	303
20% Exceedance	178	-623	3,148	1,434	450	-633	-1,375	1,085	-702	-1,215	716	-528
30% Exceedance	-15	-476	70	101	614	-632	-914	87	-722	-908	722	-506
40% Exceedance	173	-495	202	1,342	-87	595	-563	-110	-1,618	-1,012	821	-575
50% Exceedance	-43	-238	605	155	507	231	-346	-30	-1,006	-638	841	-120
60% Exceedance	-134	-236	234	101	173	122	-129	-41	-659	-566	298	-387
70% Exceedance	-28	-338	121	0	0	81	430	-94	-847	-621	531	-380
80% Exceedance	71	174	0	0	0	0	111	-558	-709	-887	377	-264
90% Exceedance	676	-14	0	0	0	0	0	-287	-965	-393	163	-318
Full Simulation Period Average[a]	77	-70	536	376	208	45	-337	482	-1,012	-757	450	-312
Wet Water Years (28%)	-138	-486	132	759	520	80	230	2,407	-1,234	-541	-402	-543
Above Normal Water Years (14%)	119	-857	1,262	420	38	261	244	1,990	-1,704	-2,218	-248	-755
Below Normal Water Years (18%)	-36	369	785	90	674	8	-818	-439	-954	-1,192	644	235
Dry Water Years (24%)	187	34	421	108	68	22	-1,103	-656	-564	35	1,913	-227
Critical Water Years (16%)	398	798	448	394	-505	-131	-148	-1,465	-758	-554	139	-264 [a]

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-7a. Sacramento River Flow downstream of Keswick Reservoir, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,360	7,510	17,945	19,580	31,941	17,990	9,655	10,158	13,182	16,000	12,567	9,666
20% Exceedance	7,555	7,023	8,456	13,998	20,166	12,996	7,878	9,175	11,945	16,000	11,273	8,761
30% Exceedance	6,939	6,189	6,105	8,314	9,790	8,716	6,782	8,770	11,185	15,315	10,625	8,122
40% Exceedance	6,047	5,836	4,798	3,897	6,001	4,470	5,804	8,310	10,445	14,409	9,908	7,168
50% Exceedance	5,286	5,238	3,678	3,250	3,737	3,758	5,198	7,903	9,216	13,701	9,509	5,978
60% Exceedance	5,150	5,021	3,259	3,250	3,250	3,250	4,502	7,433	8,540	13,057	9,158	5,758
70% Exceedance	4,881	4,704	3,250	3,250	3,250	3,250	3,299	6,888	8,228	11,744	8,608	5,546
80% Exceedance	4,484	3,826	3,250	3,250	3,250	3,250	3,250	6,369	7,757	10,987	8,310	5,209
90% Exceedance	3,584	3,264	3,250	3,250	3,250	3,250	3,250	5,190	7,474	9,405	7,579	4,890
Full Simulation Period Average[a]	5,869	5,675	7,067	8,633	11,711	8,352	6,279	7,899	9,863	13,307	9,804	6,909
Wet Water Years (28%)	7,453	6,575	8,760	17,717	23,928	15,969	9,265	7,358	8,719	13,608	10,371	9,177
Above Normal Water Years (14%)	6,557	7,216	5,406	10,012	16,075	9,999	5,427	7,925	10,098	15,553	11,005	8,571
Below Normal Water Years (18%)	5,525	5,011	7,696	4,912	5,278	5,012	5,325	9,308	10,409	14,159	10,770	5,608
Dry Water Years (24%)	4,809	5,025	7,991	3,399	4,693	4,137	5,592	8,051	10,950	13,138	9,106	5,524
Critical Water Years (16%)	4,333	4,288	3,335	3,568	4,277	3,662	3,905	7,013	9,415	10,109	7,723	5,030

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-7b. Sacramento River Flow downstream of Keswick Reservoir, Alternative 4, Monthly Flow (cfs)

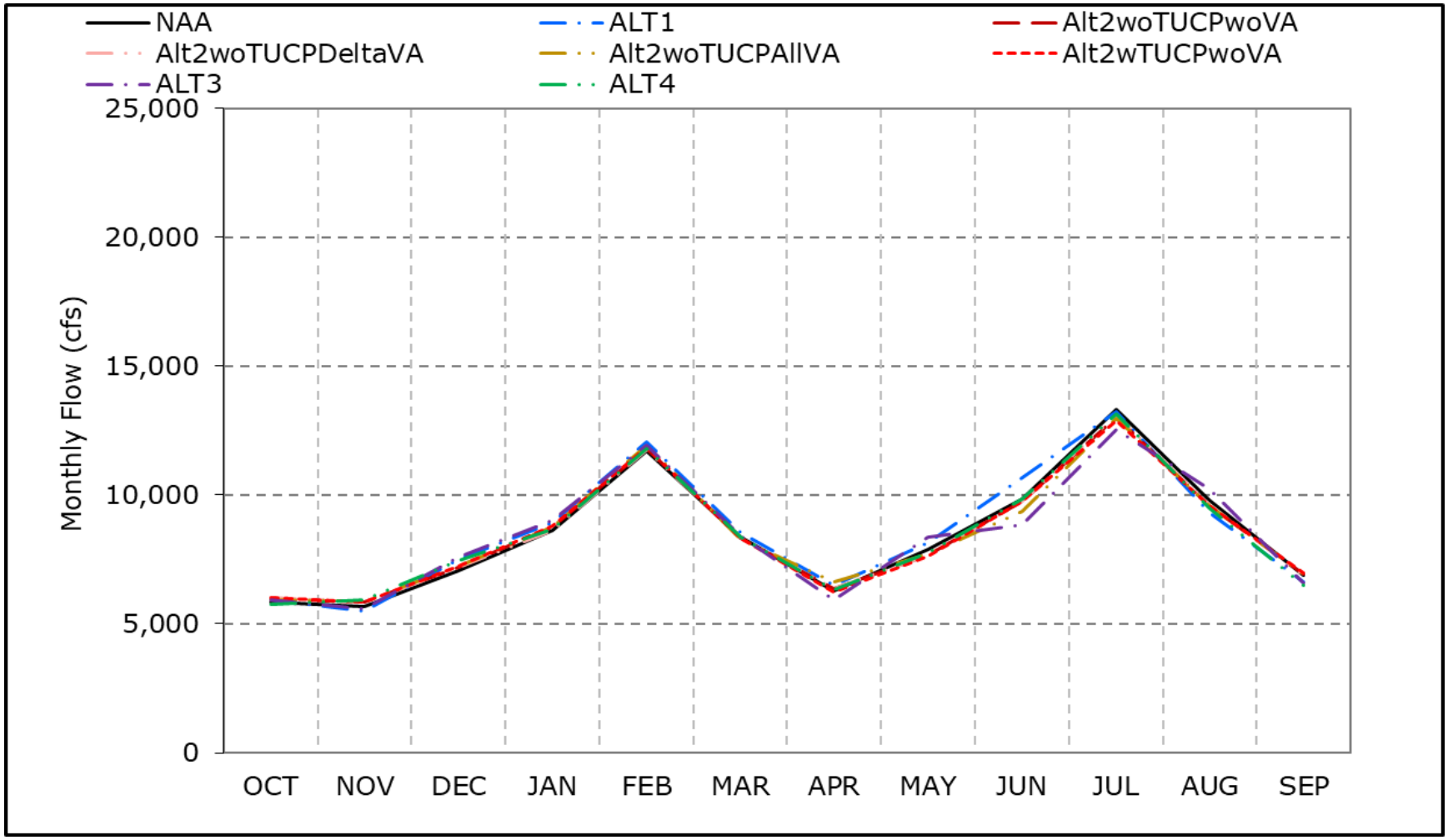
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,274	7,826	17,932	22,421	32,007	17,992	9,445	9,862	13,019	16,000	11,998	8,736
20% Exceedance	7,252	6,778	10,109	13,342	20,260	13,257	8,059	8,987	11,810	16,000	11,177	7,542
30% Exceedance	6,347	6,562	6,963	8,198	10,543	8,818	6,959	8,582	11,192	15,428	10,342	6,922
40% Exceedance	5,805	6,109	5,220	3,886	7,162	4,470	6,292	8,227	10,421	14,344	9,737	6,568
50% Exceedance	5,268	5,414	4,149	3,250	3,402	3,772	5,406	7,854	9,295	13,441	9,294	6,004
60% Exceedance	5,097	5,051	3,570	3,250	3,250	3,250	4,420	7,183	8,642	13,046	8,973	5,765
70% Exceedance	4,872	4,764	3,250	3,250	3,250	3,250	3,335	6,702	8,341	11,436	8,625	5,480
80% Exceedance	4,631	4,335	3,250	3,250	3,250	3,250	3,250	5,936	7,748	10,892	8,186	5,225
90% Exceedance	4,040	3,833	3,250	3,250	3,250	3,250	3,250	5,060	7,197	9,449	7,198	4,761
Full Simulation Period Average[a]	5,779	5,918	7,455	8,672	11,814	8,385	6,336	7,756	9,831	13,150	9,507	6,505
Wet Water Years (28%)	7,169	6,834	9,241	18,042	23,947	15,928	9,269	7,350	8,821	13,559	10,026	8,474
Above Normal Water Years (14%)	5,782	7,298	6,332	9,732	16,085	10,256	5,444	7,890	10,301	15,631	10,283	6,815
Below Normal Water Years (18%)	5,630	5,315	7,714	4,899	5,474	5,098	5,480	9,268	10,579	14,300	10,765	5,707
Dry Water Years (24%)	4,921	5,016	8,397	3,332	4,923	4,224	5,621	7,925	10,873	12,989	9,146	5,672
Critical Water Years (16%)	4,735	4,994	3,427	3,604	4,314	3,488	4,022	6,392	8,780	9,213	7,046	4,939

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-3-7c. Sacramento River Flow downstream of Keswick Reservoir, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

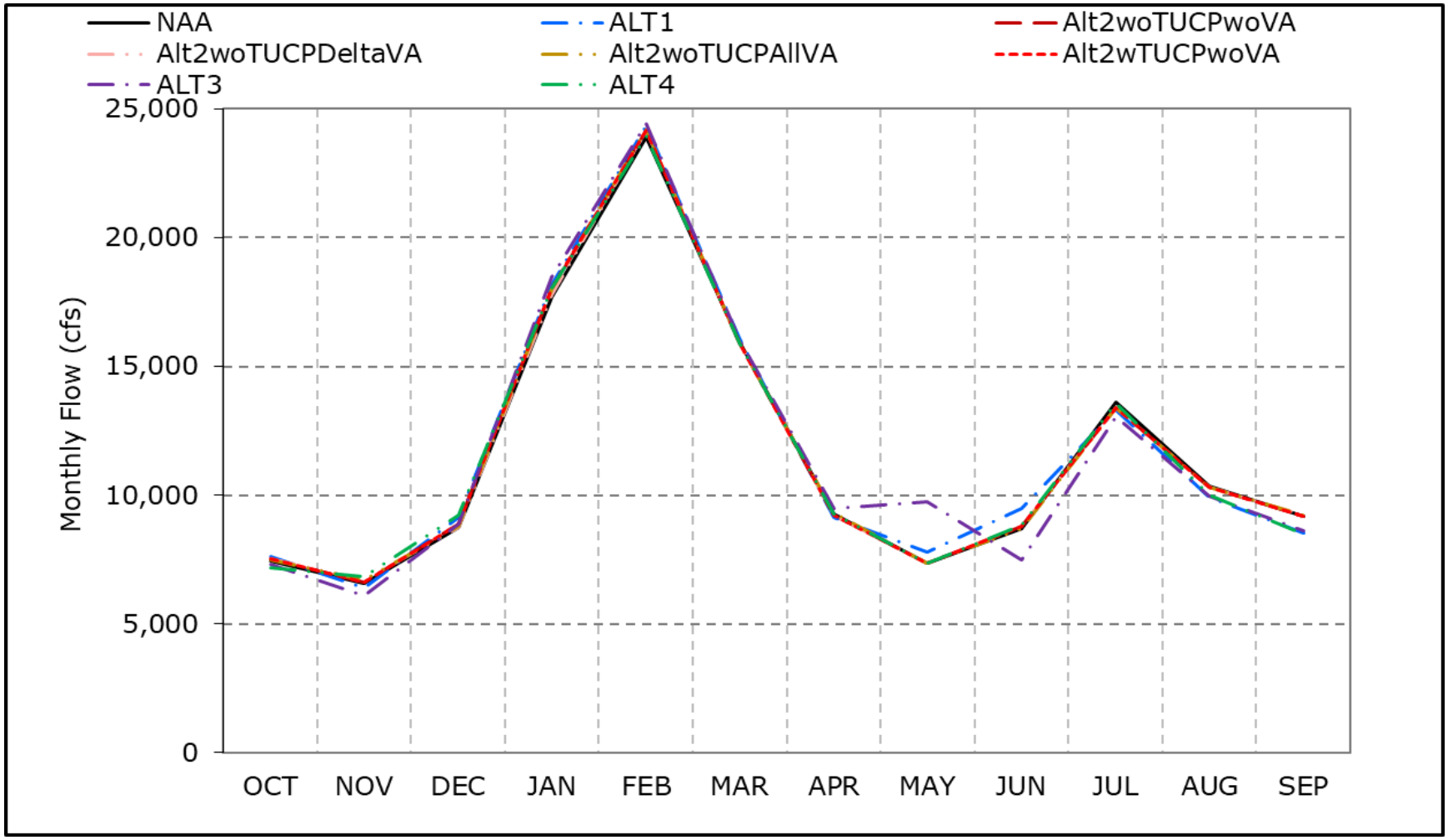
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-87	317	-14	2,841	66	2	-210	-296	-164	0	-570	-930
20% Exceedance	-304	-245	1,653	-656	94	261	181	-188	-136	0	-96	-1,219
30% Exceedance	-592	373	858	-116	753	102	177	-188	7	113	-283	-1,199
40% Exceedance	-242	272	423	-11	1,161	0	487	-83	-24	-65	-171	-600
50% Exceedance	-18	176	470	0	-335	14	208	-50	80	-260	-215	26
60% Exceedance	-53	29	311	0	0	0	-83	-250	102	-11	-185	7
70% Exceedance	-10	60	0	0	0	0	36	-186	113	-308	17	-66
80% Exceedance	147	509	0	0	0	0	0	-432	-10	-95	-124	16
90% Exceedance	456	568	0	0	0	0	0	-129	-277	45	-381	-129
Full Simulation Period Average[a]	-90	243	388	39	103	33	57	-144	-32	-156	-297	-404
Wet Water Years (28%)	-284	259	481	325	19	-40	4	-8	102	-49	-345	-703
Above Normal Water Years (14%)	-775	82	926	-280	10	258	17	-35	203	78	-722	-1,756
Below Normal Water Years (18%)	105	304	18	-12	196	85	154	-40	171	141	-5	100
Dry Water Years (24%)	112	-10	405	-67	229	87	29	-125	-77	-149	40	147
Critical Water Years (16%)	403	706	93	36	36	-174	117	-621	-635	-896	-677	-91

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



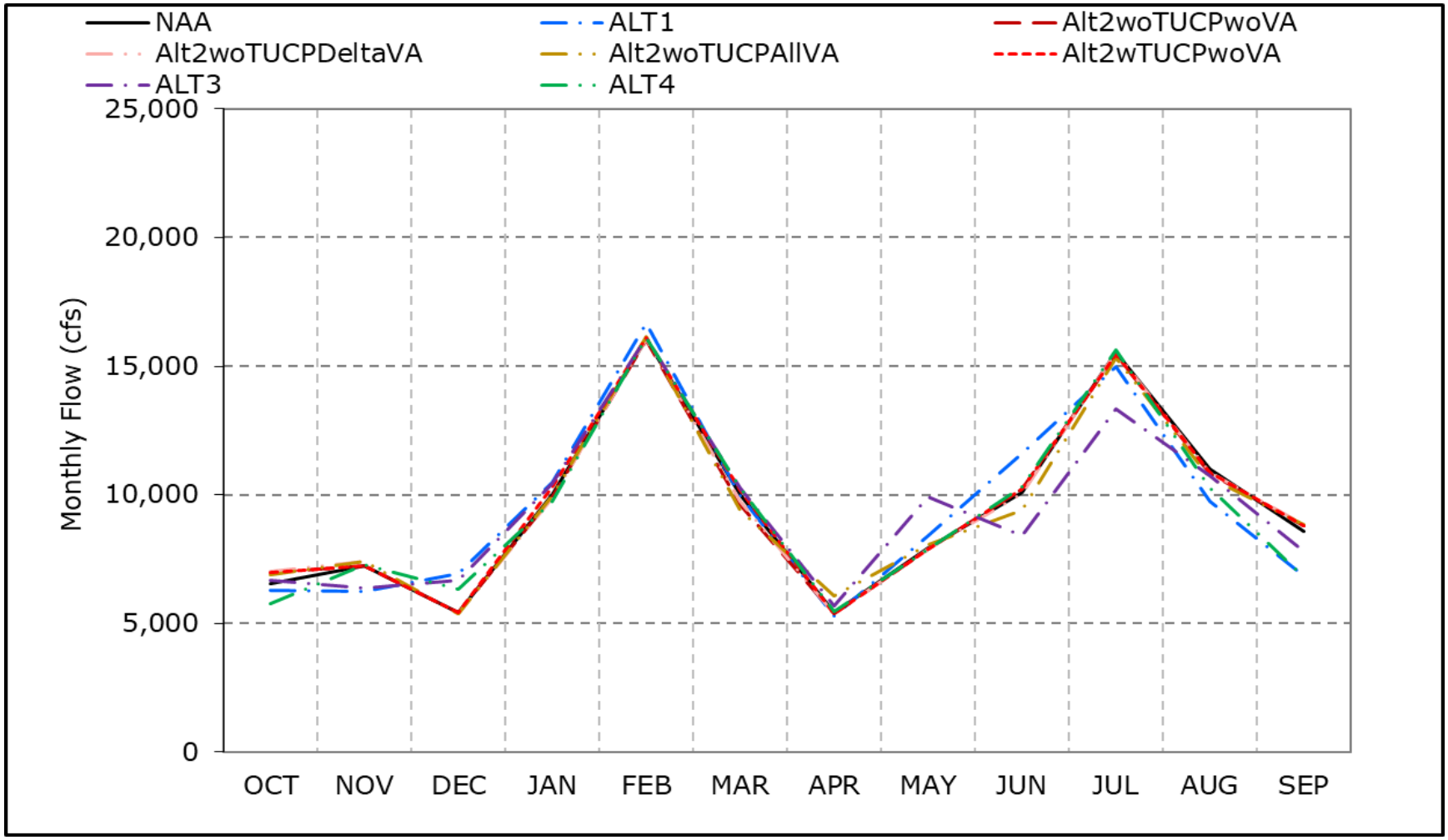
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-1. Sacramento River Flow downstream of Keswick Reservoir, Long- Term Average Flow



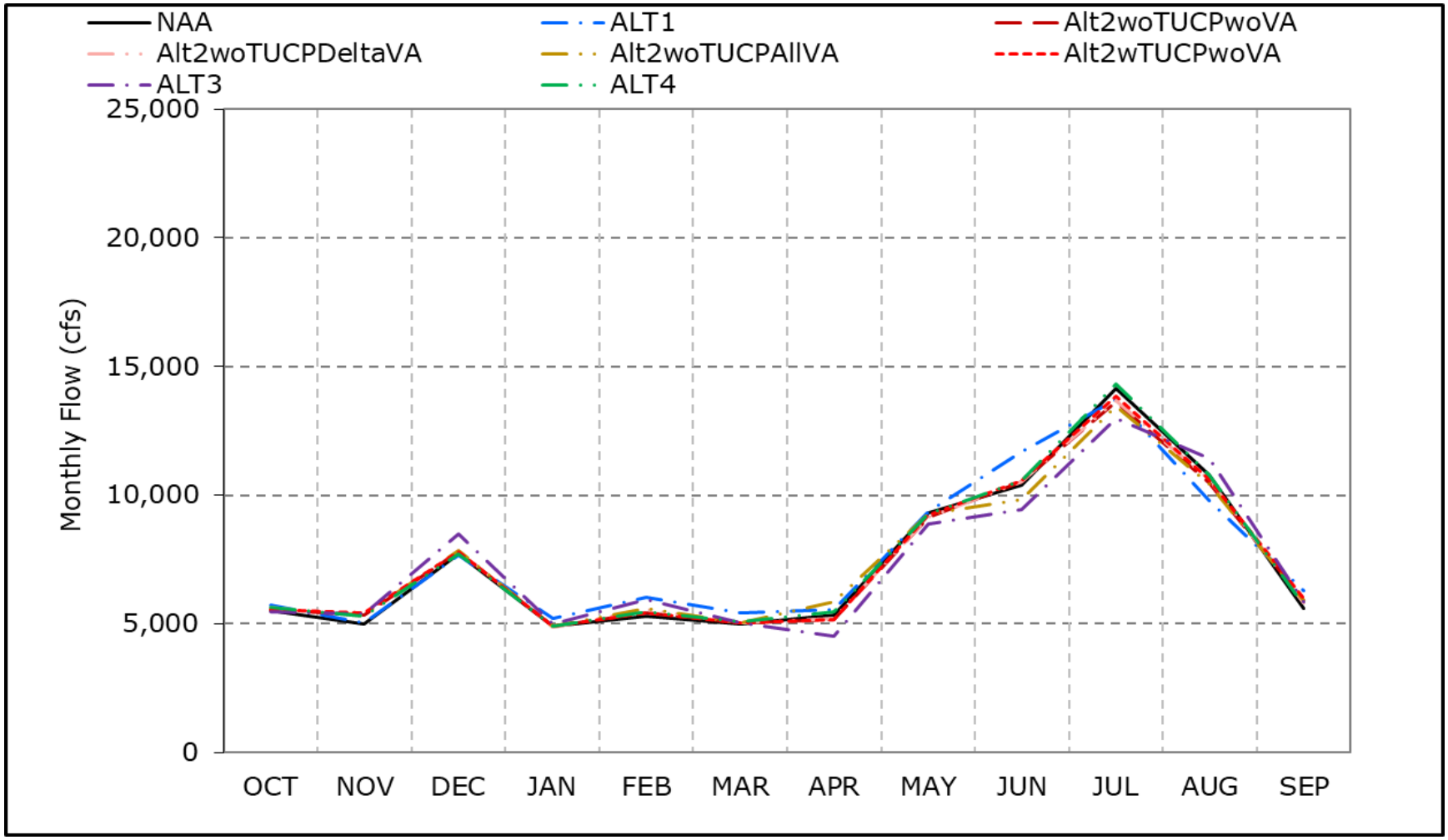
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-2. Sacramento River Flow downstream of Keswick Reservoir, Wet Year Average Flow



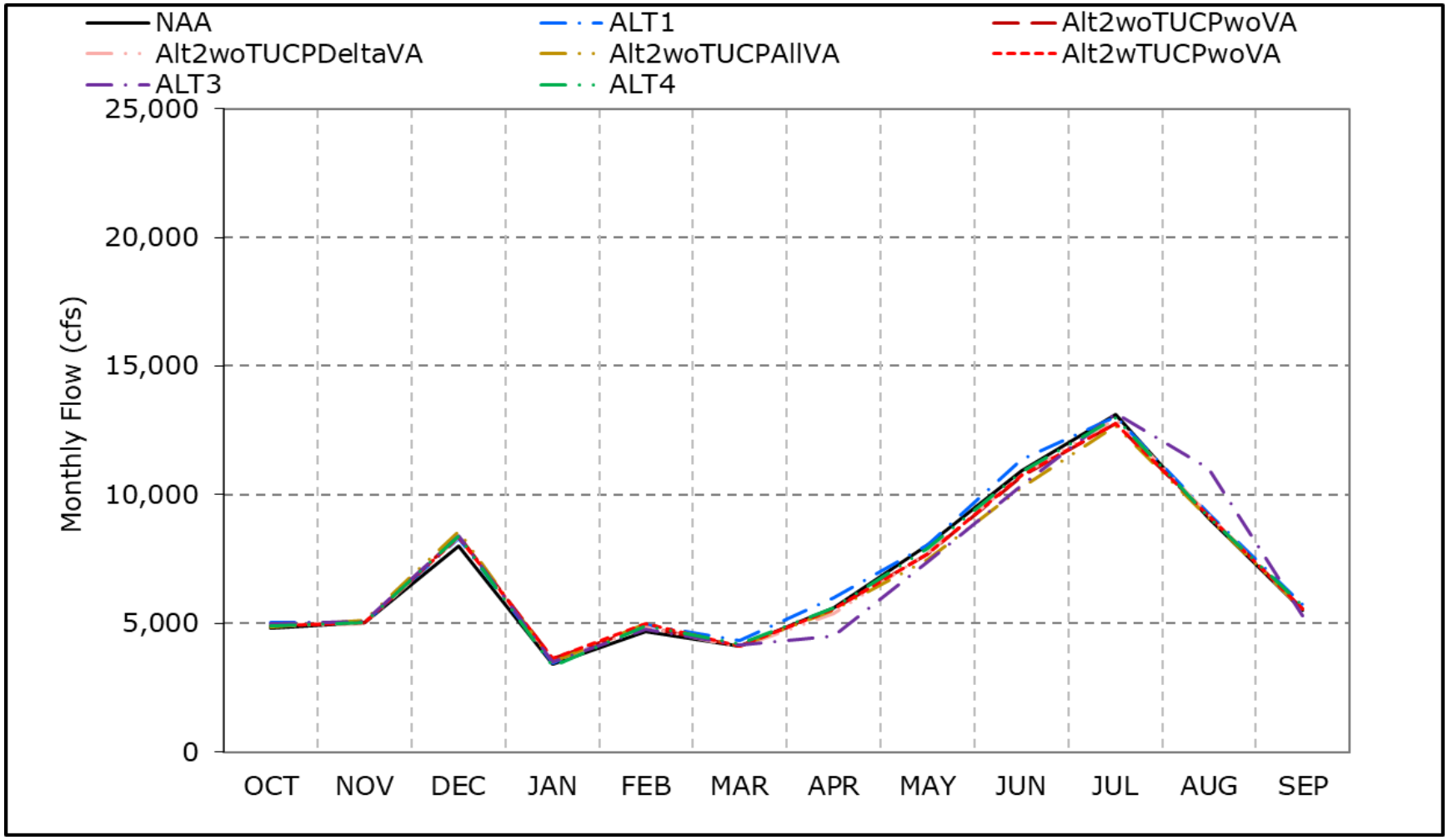
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-3. Sacramento River Flow downstream of Keswick Reservoir, Above Normal Year Average Flow



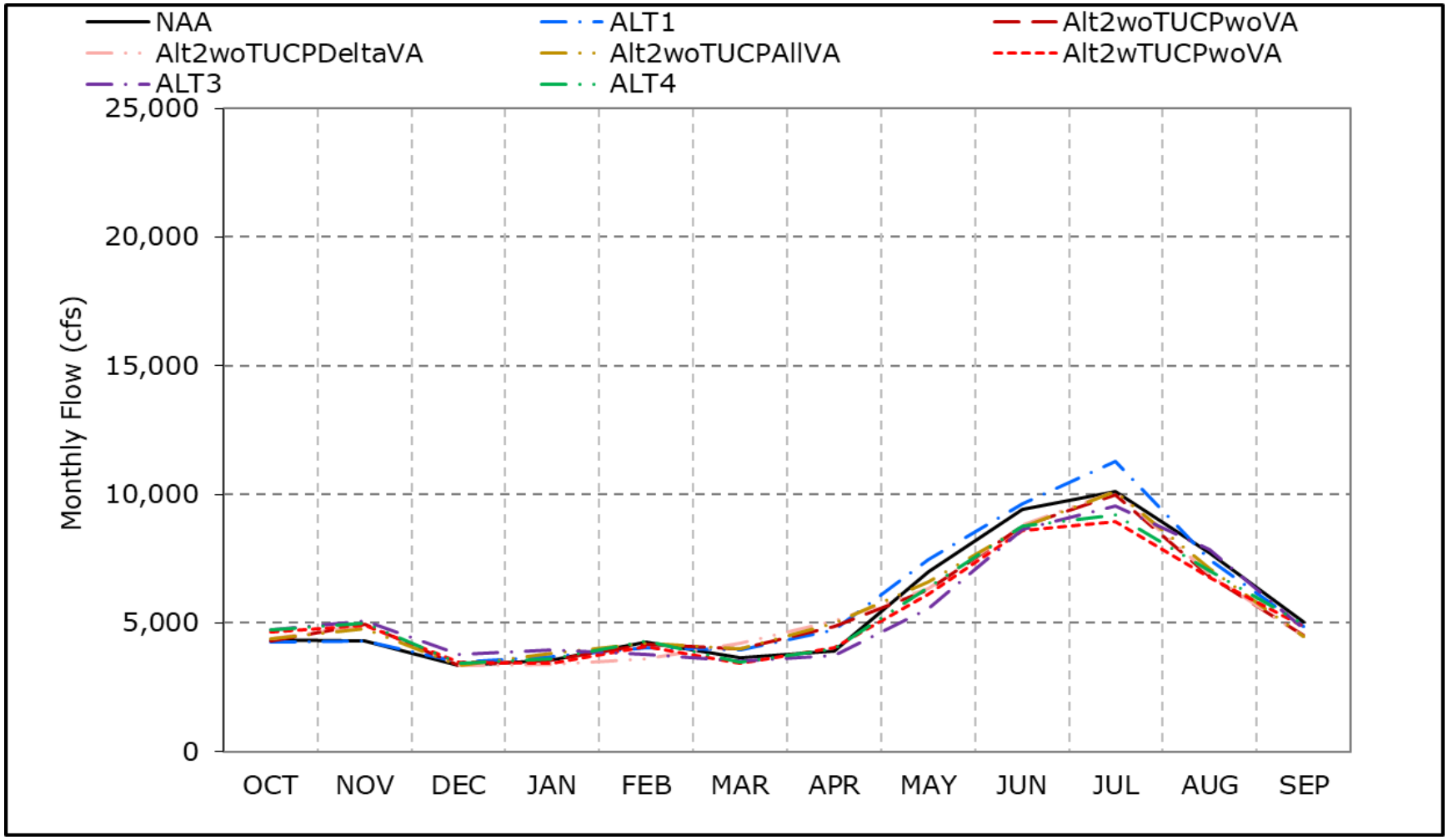
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-4. Sacramento River Flow downstream of Keswick Reservoir, Below Normal Year Average Flow



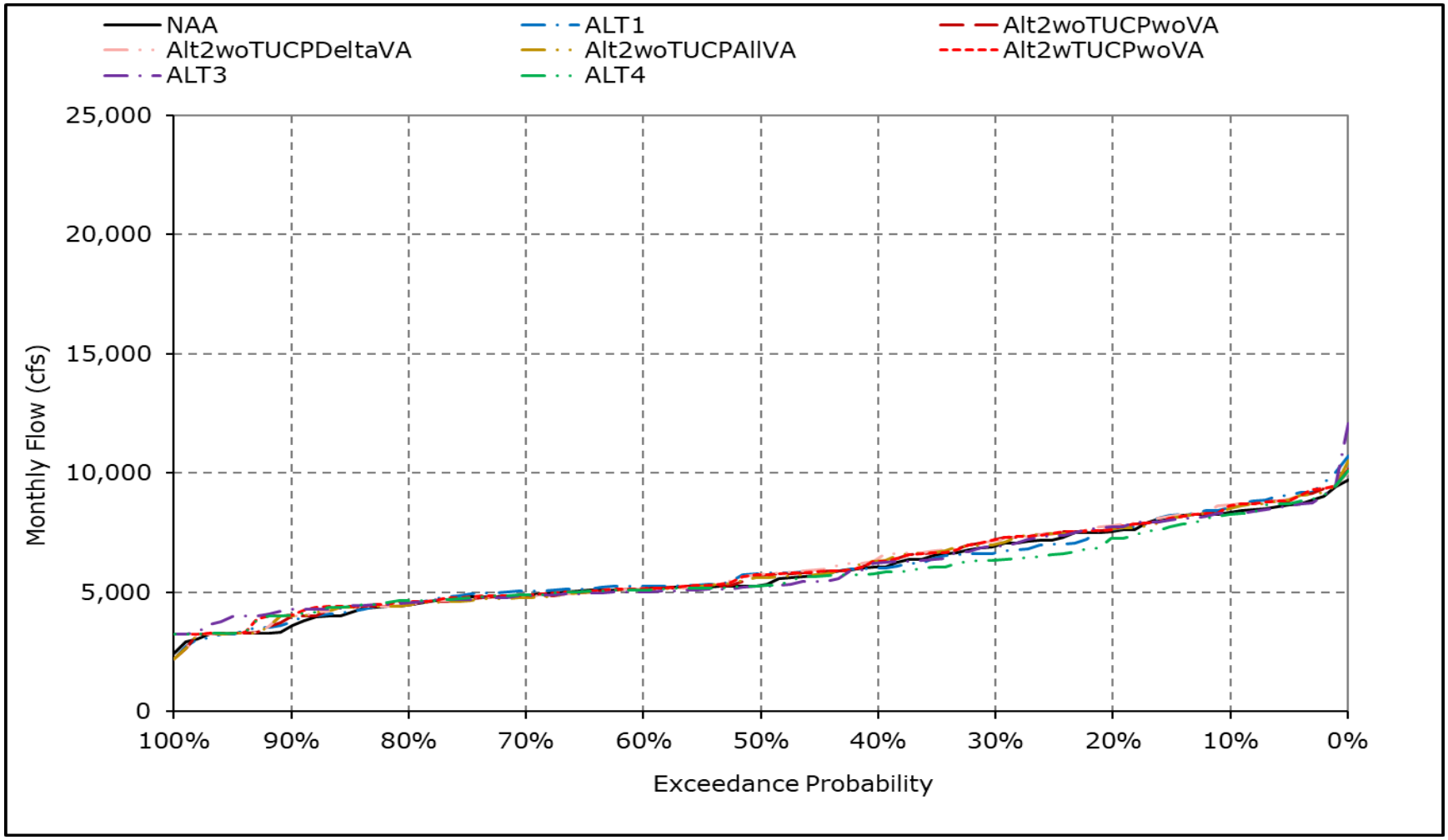
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-5. Sacramento River Flow downstream of Keswick Reservoir, Dry Year Average Flow



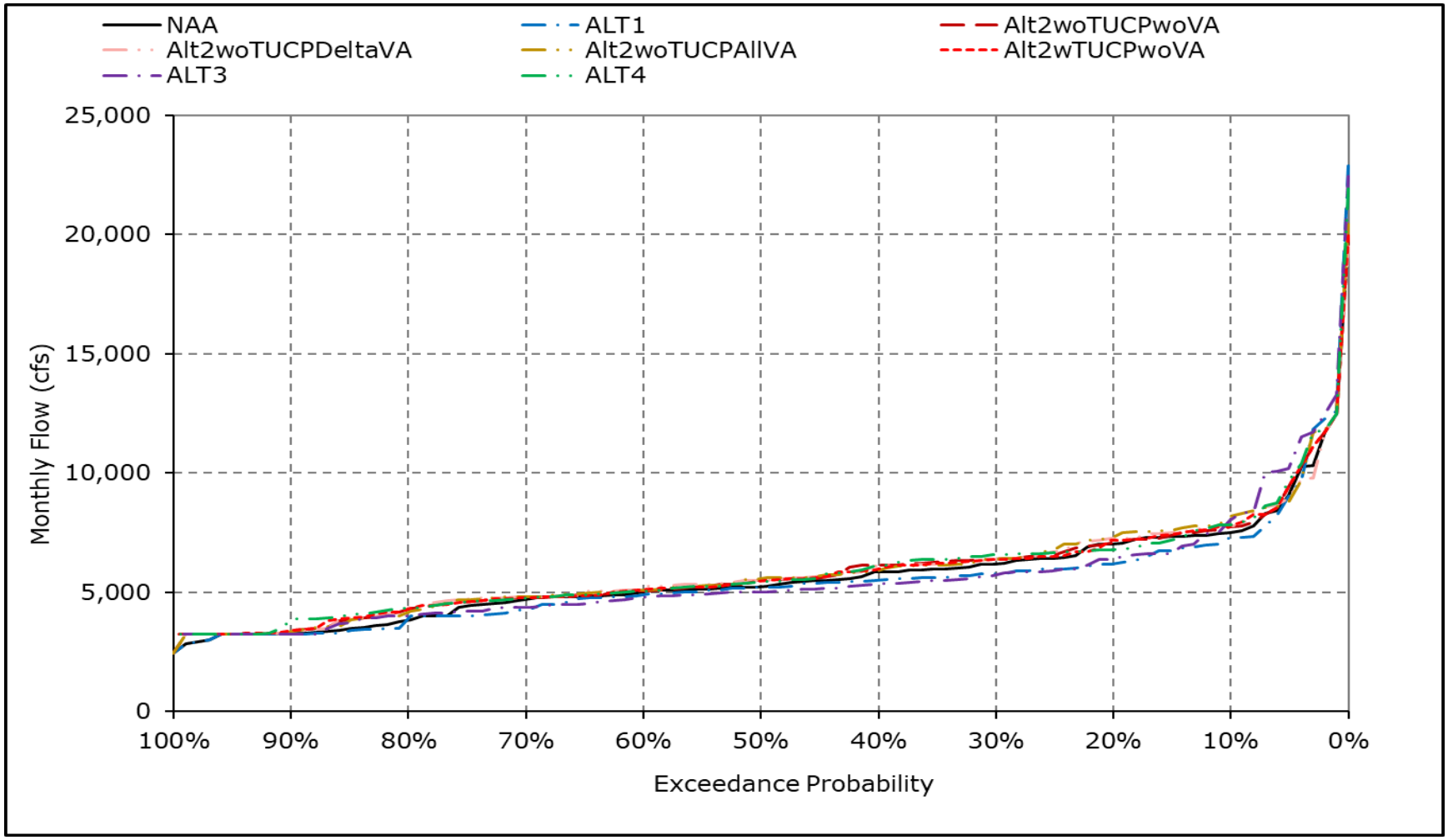
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-6. Sacramento River Flow downstream of Keswick Reservoir, Critical Year Average Flow



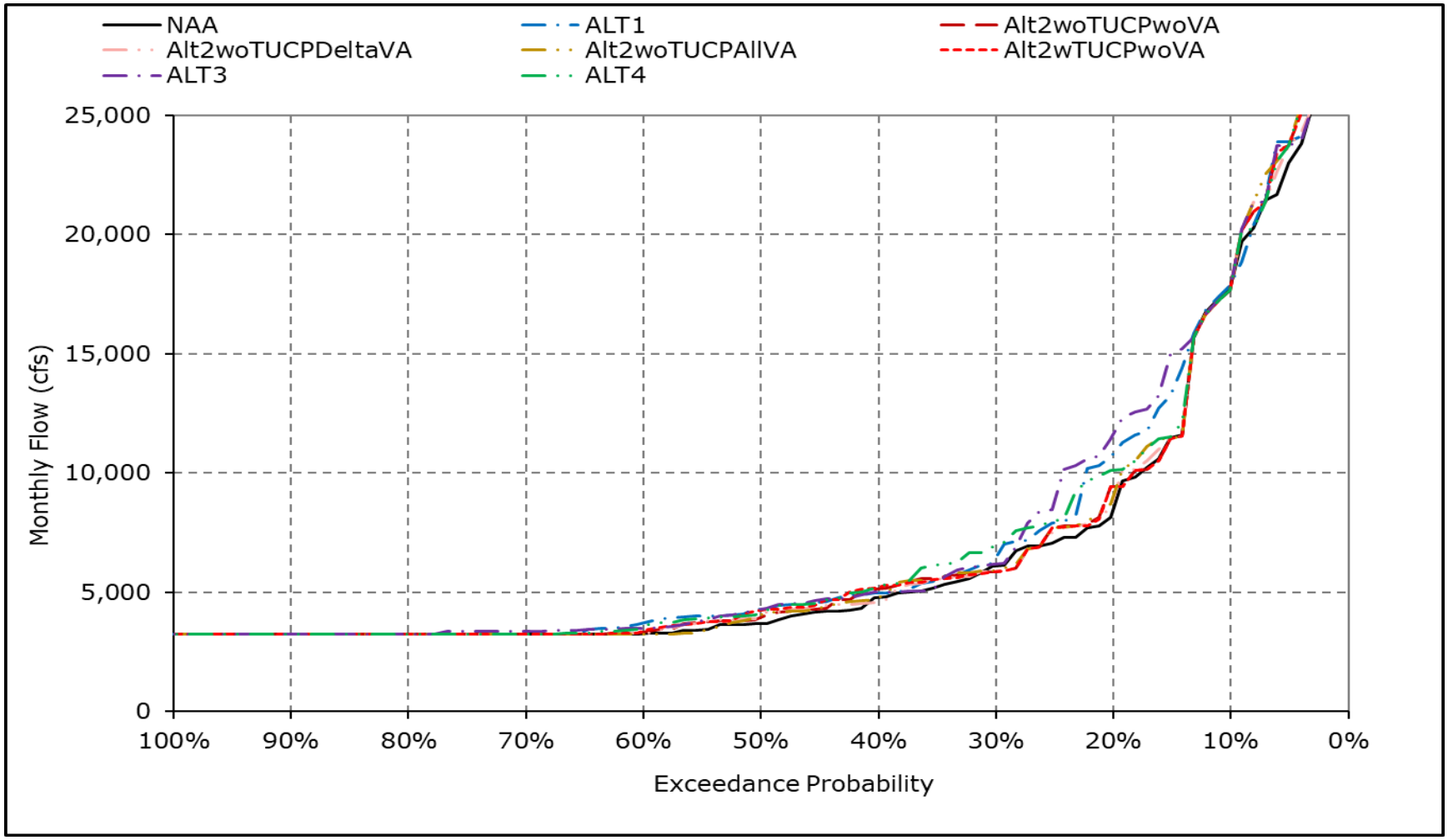
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-7. Sacramento River Flow downstream of Keswick Reservoir, October



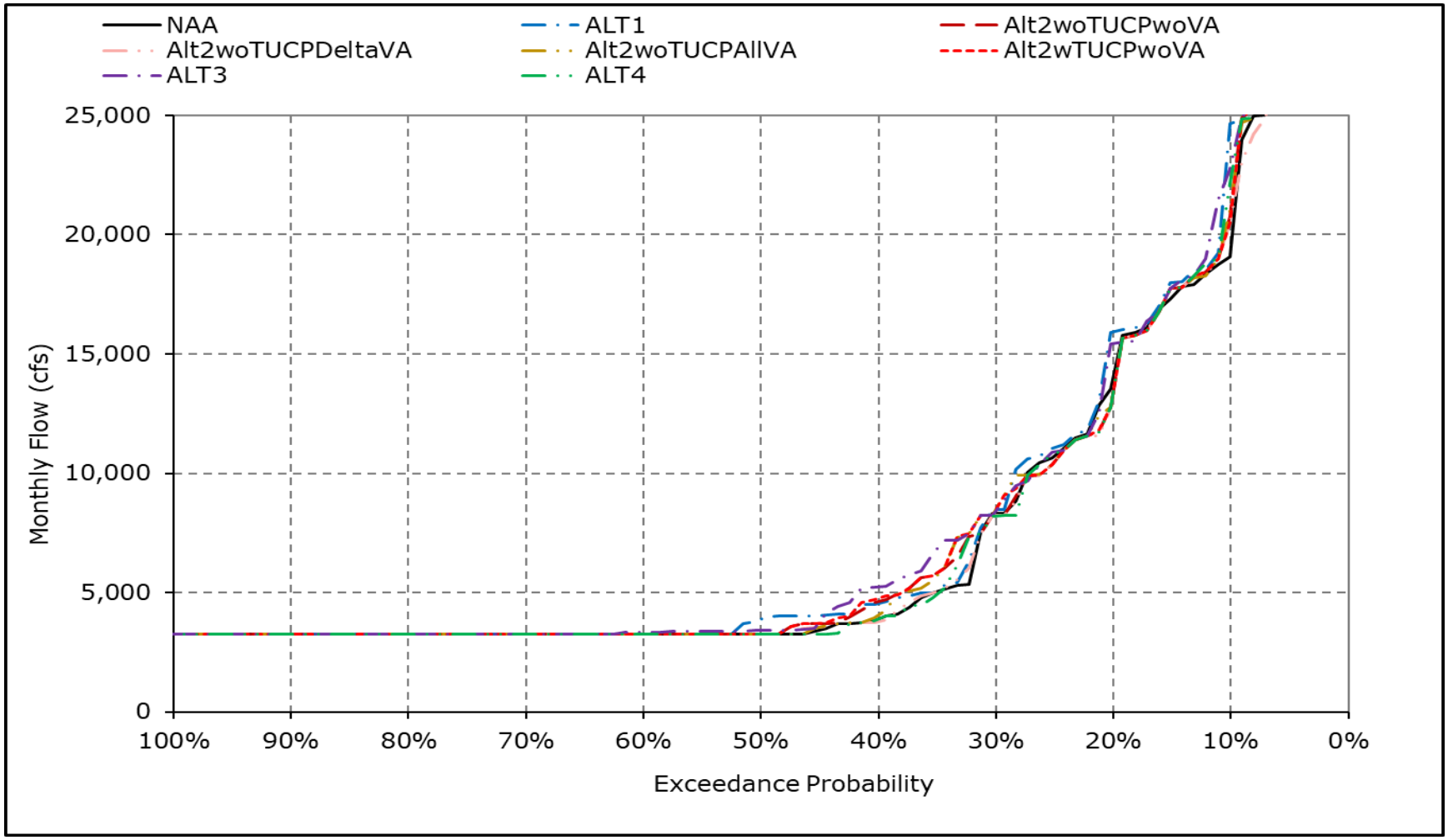
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-8. Sacramento River Flow downstream of Keswick Reservoir, November



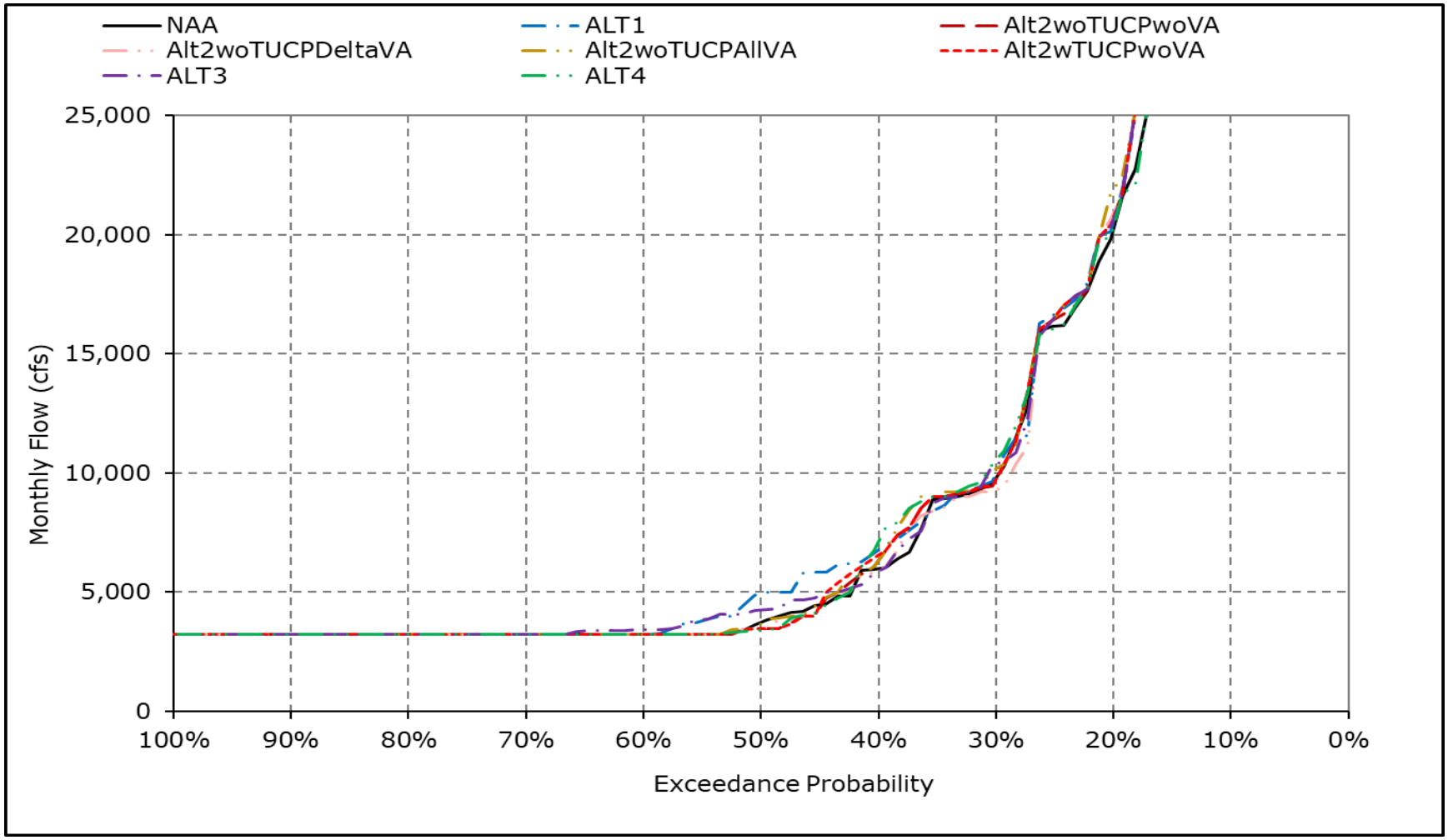
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-9. Sacramento River Flow downstream of Keswick Reservoir, December



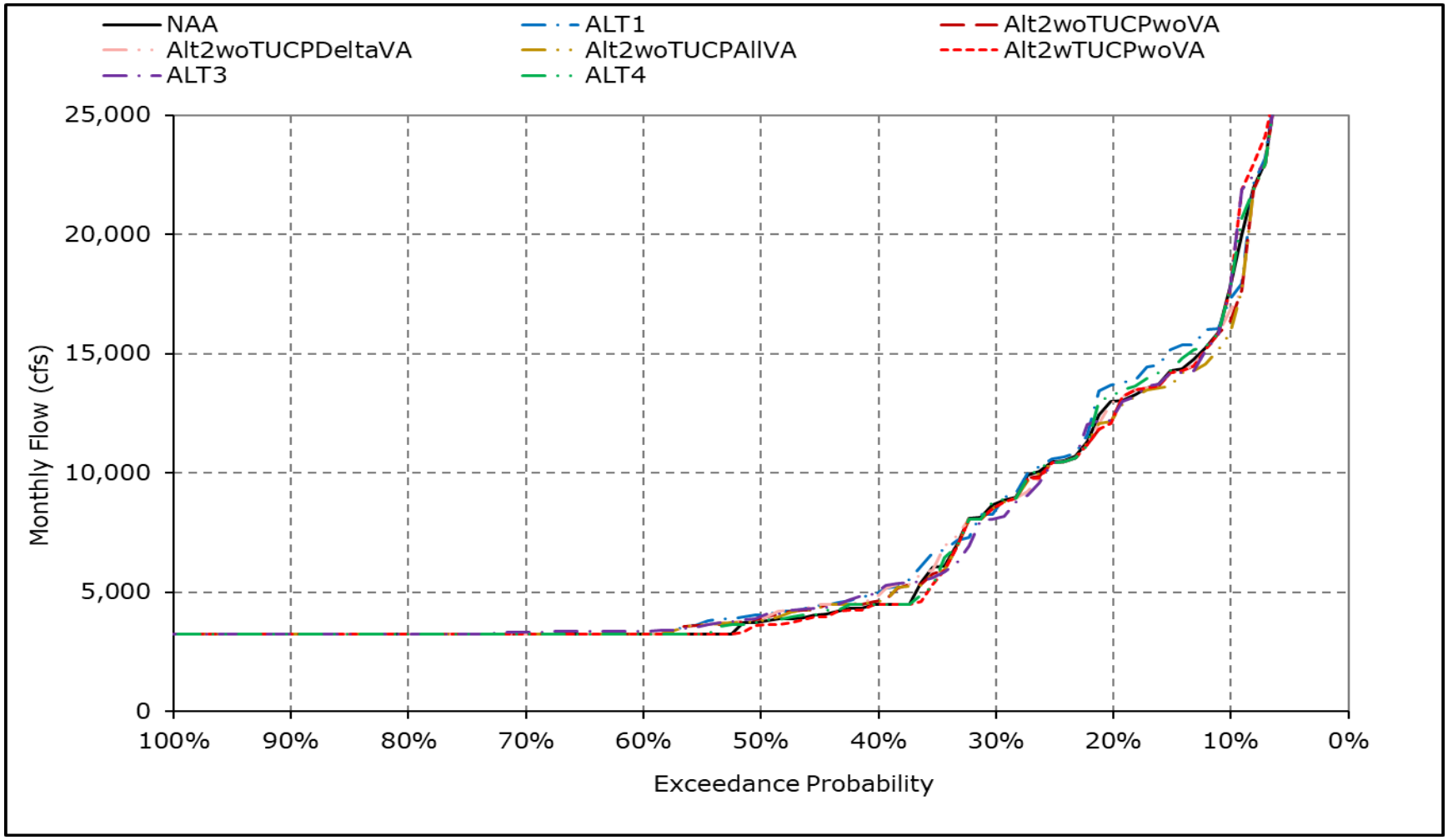
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-10. Sacramento River Flow downstream of Keswick Reservoir, January



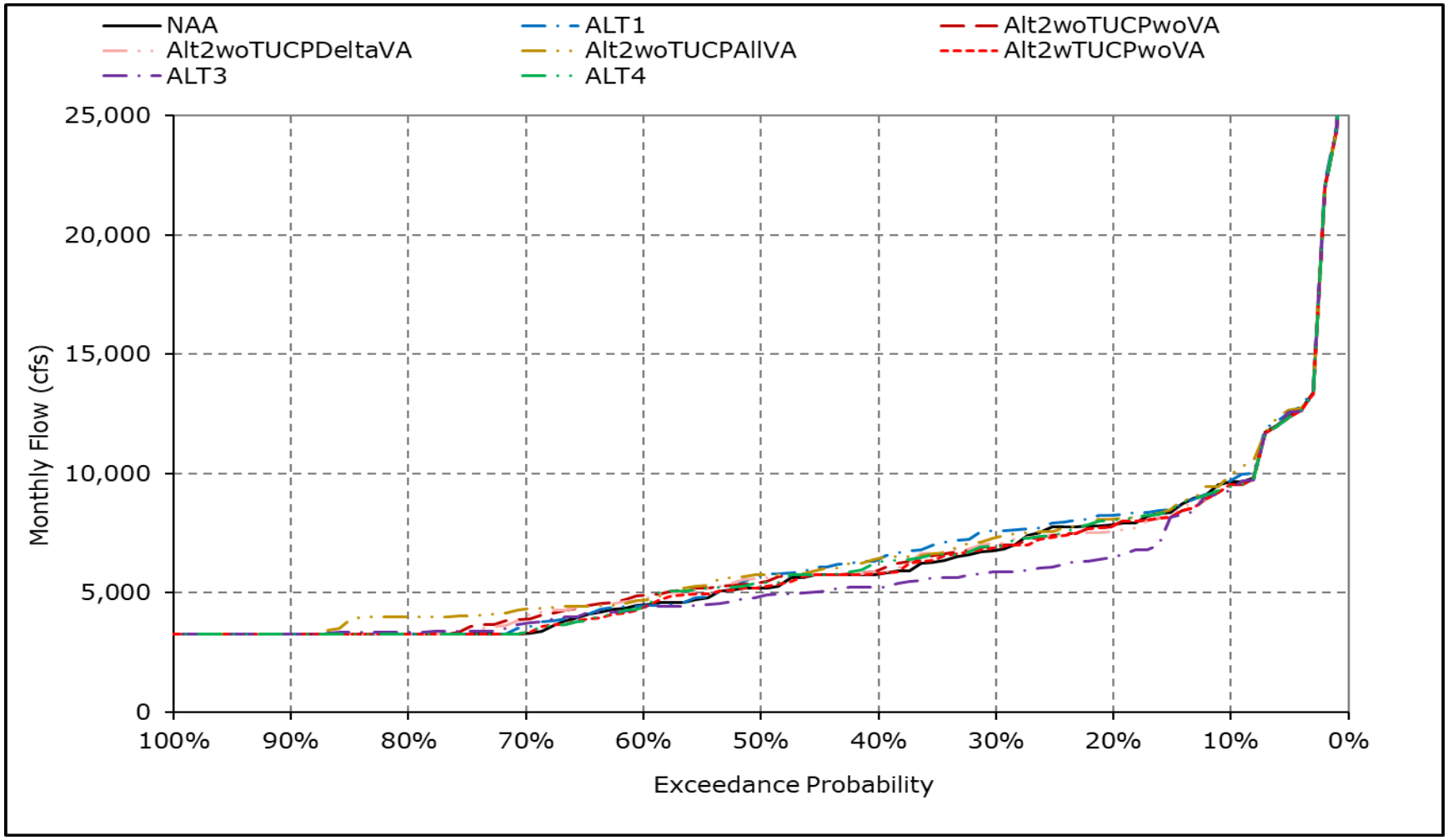
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-11. Sacramento River Flow downstream of Keswick Reservoir, February



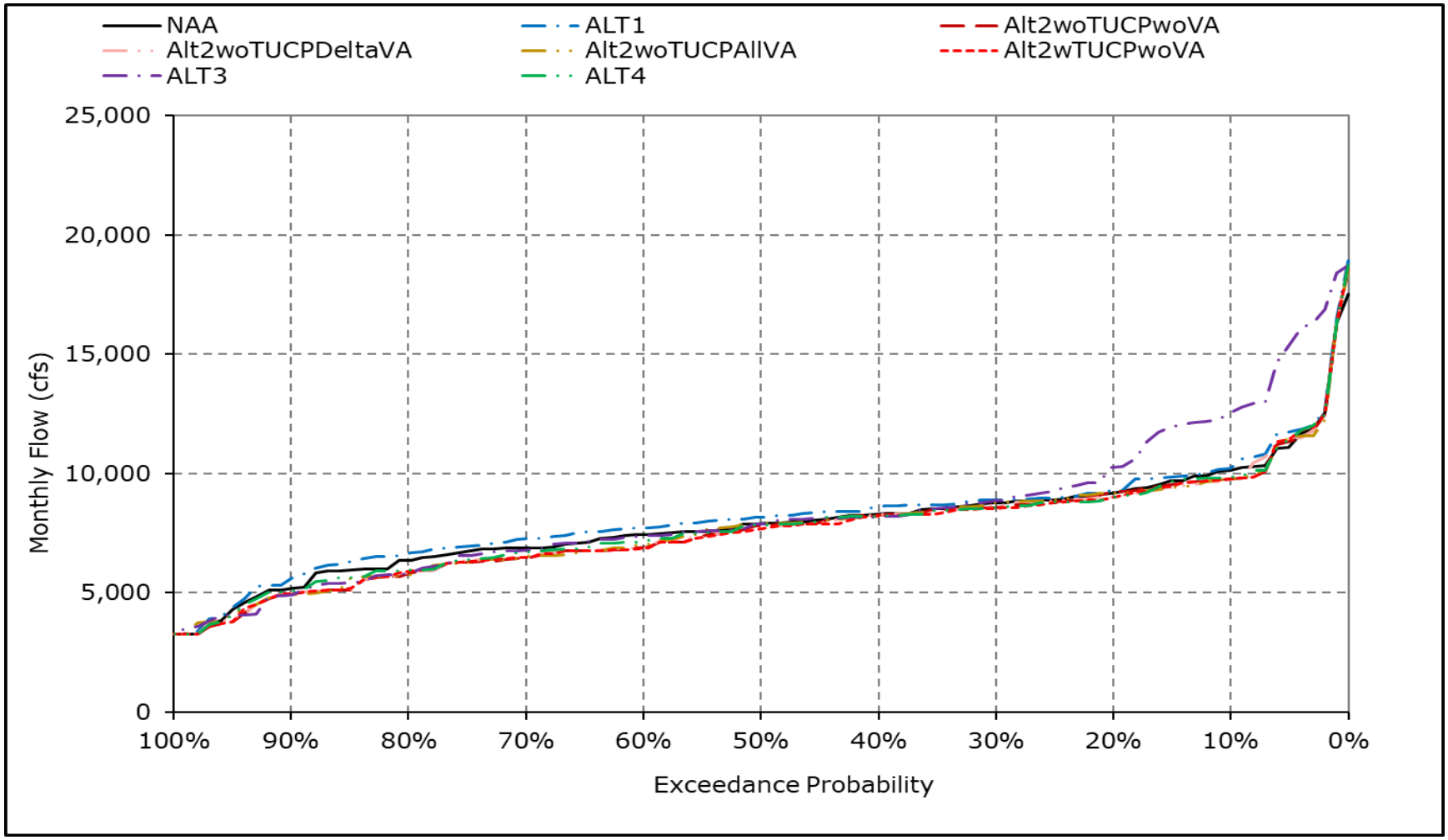
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-12. Sacramento River Flow downstream of Keswick Reservoir, March



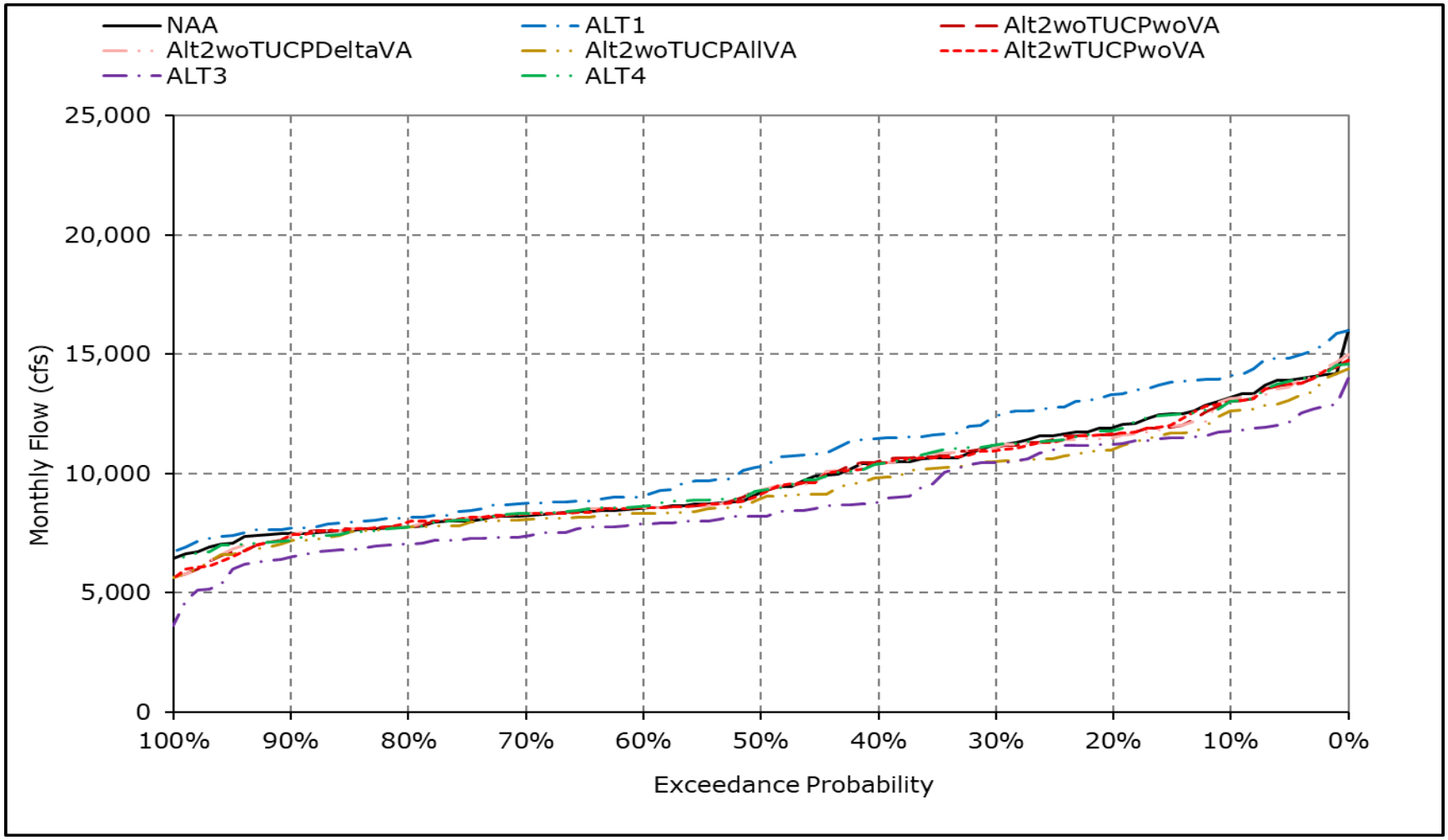
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-13. Sacramento River Flow downstream of Keswick Reservoir, April



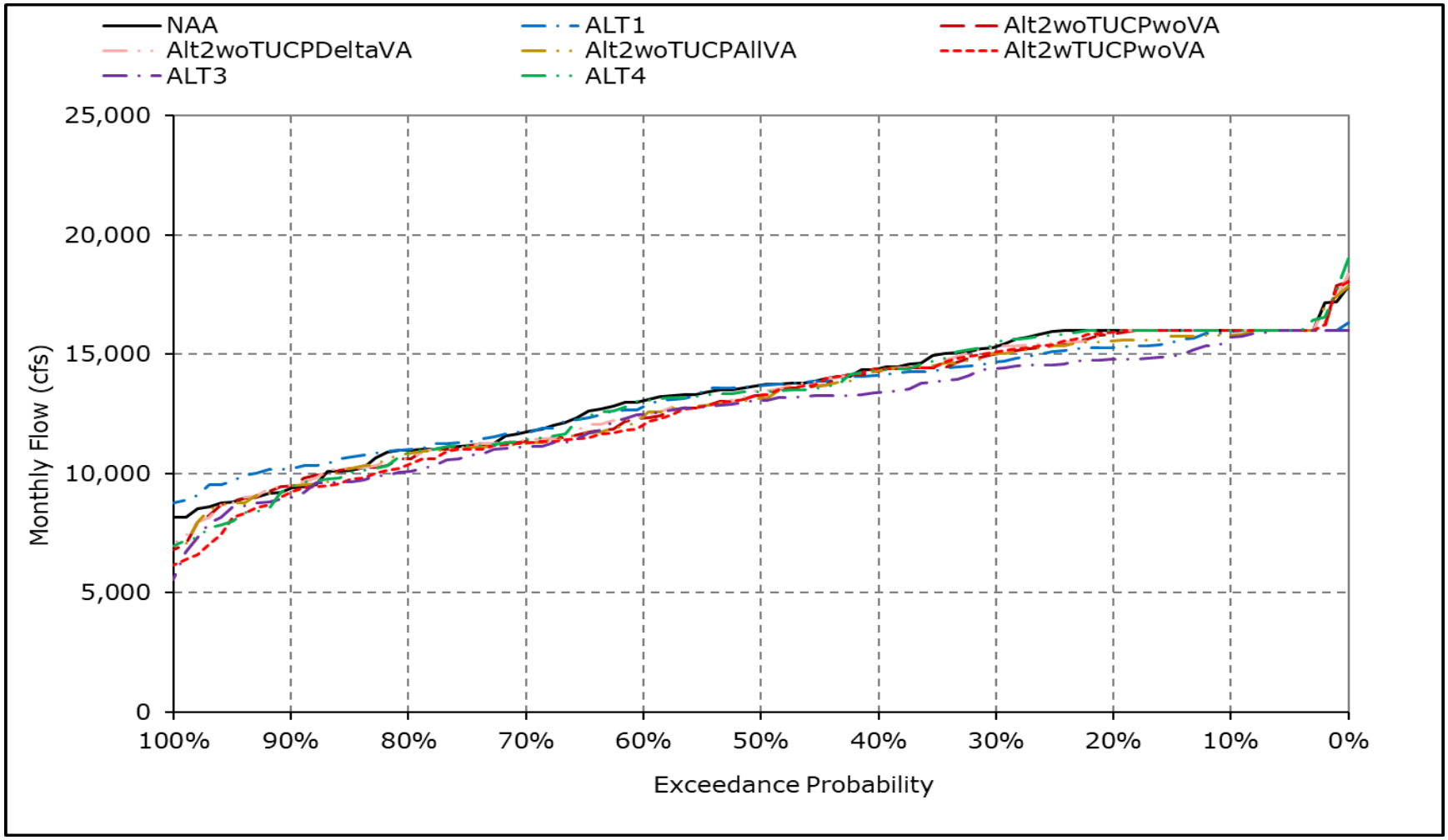
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-14. Sacramento River Flow downstream of Keswick Reservoir, May



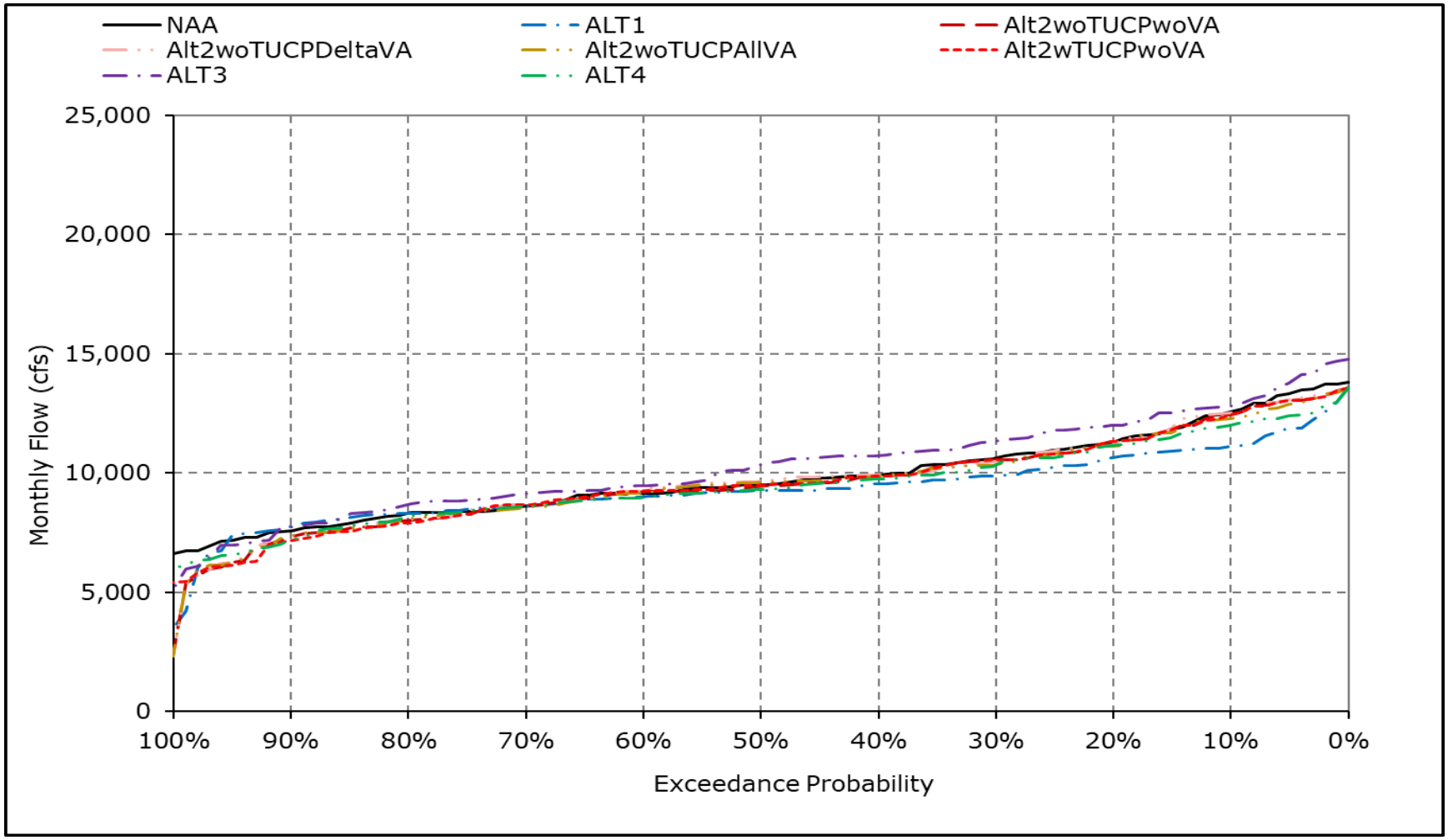
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-15. Sacramento River Flow downstream of Keswick Reservoir, June



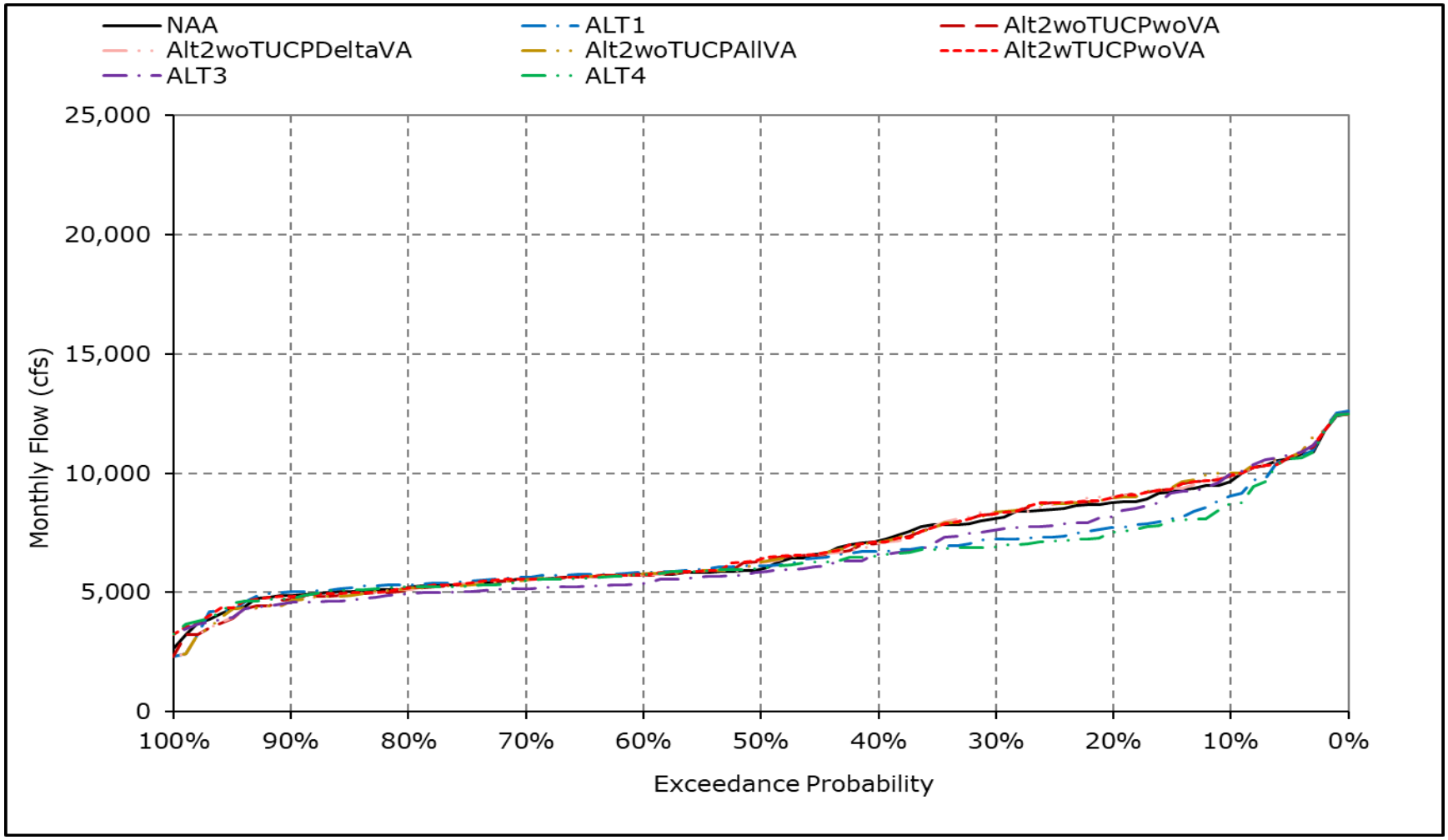
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-16. Sacramento River Flow downstream of Keswick Reservoir, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-17. Sacramento River Flow downstream of Keswick Reservoir, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-18. Sacramento River Flow downstream of Keswick Reservoir, September

Table F.2.2-4-1a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-1b. Sacramento Flow River at Bend Bridge, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,408	9,567	27,669	37,491	48,787	26,987	15,839	12,304	14,455	15,816	11,476	9,598
20% Exceedance	8,364	7,830	18,755	24,716	30,811	20,718	11,263	11,284	13,614	15,598	10,838	8,212
30% Exceedance	7,501	6,835	11,684	15,958	18,483	13,886	9,315	10,067	12,744	14,967	10,273	7,513
40% Exceedance	6,635	6,478	8,598	11,803	12,566	10,281	8,813	9,530	11,765	14,329	9,849	7,179
50% Exceedance	6,283	6,214	7,333	8,233	10,180	8,332	8,226	9,145	10,911	13,779	9,608	6,702
60% Exceedance	5,796	6,073	6,589	6,851	7,836	7,301	7,425	8,600	10,204	12,942	9,381	6,237
70% Exceedance	5,539	5,706	5,540	6,106	7,266	6,703	6,691	8,336	9,500	12,229	8,944	5,930
80% Exceedance	5,306	5,406	5,229	5,576	6,468	5,858	5,507	7,967	8,994	11,524	8,578	5,704
90% Exceedance	4,815	5,032	4,774	4,821	5,528	5,263	4,999	7,368	8,573	10,713	8,133	5,361
Full Simulation Period Average[a]	6,724	7,083	12,329	15,288	19,393	14,035	9,689	9,757	11,321	13,437	9,638	7,104
Wet Water Years (28%)	8,385	8,308	13,749	29,648	36,613	24,989	14,906	10,277	10,749	13,762	10,329	9,094
Above Normal Water Years (14%)	7,129	7,842	11,917	19,222	26,298	17,242	9,143	10,209	12,281	15,084	10,050	7,347
Below Normal Water Years (18%)	6,640	6,743	13,466	10,397	10,504	9,394	8,104	10,840	12,223	13,922	10,163	6,859
Dry Water Years (24%)	5,878	6,600	13,464	6,159	10,341	8,266	7,828	9,152	11,728	13,098	9,545	6,128
Critical Water Years (16%)	4,671	5,217	6,914	5,912	6,797	5,932	5,613	8,140	9,856	11,393	7,615	5,145

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-1c. Sacramento Flow River at Bend Bridge, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-20	1	2,558	1	-320	-1	326	833	-581	-1,660	-467
20% Exceedance	-130	-455	2,133	1,912	2	209	-232	536	1,046	-486	-1,134	-1,289
30% Exceedance	-223	-791	-13	-98	-26	-44	-487	205	1,027	-708	-653	-1,355
40% Exceedance	-268	-608	-48	257	-137	-88	259	-22	468	-423	-613	-574
50% Exceedance	21	-399	-14	-124	-225	-84	347	55	573	-107	-276	-273
60% Exceedance	4	-221	186	-57	-249	-339	345	33	261	-248	-234	108
70% Exceedance	-7	-273	-159	-9	121	-242	35	200	225	-189	42	120
80% Exceedance	5	-371	103	39	-9	-41	2	186	187	284	120	27
90% Exceedance	-128	-43	223	-118	141	293	98	15	125	1,019	111	17
Full Simulation Period Average[a]	-56	-284	322	145	107	47	68	126	547	-185	-566	-381
Wet Water Years (28%)	-1	-270	273	325	120	-25	-273	267	524	-382	-531	-743
Above Normal Water Years (14%)	-416	-1,089	1,404	342	257	-186	-299	344	1,256	-685	-1,371	-1,838
Below Normal Water Years (18%)	53	-82	-129	164	448	248	86	-95	1,001	-555	-1,062	563
Dry Water Years (24%)	72	-96	197	-101	62	39	230	-157	161	-220	85	97
Critical Water Years (16%)	-136	-46	77	3	-363	164	724	361	34	1,067	-338	-249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-2a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-2b. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,748	10,020	27,667	35,849	48,788	26,973	15,839	12,181	13,198	16,168	13,036	10,364
20% Exceedance	8,521	8,627	16,973	22,315	30,810	20,321	11,519	10,503	12,375	15,840	11,560	9,586
30% Exceedance	7,943	7,793	11,709	16,052	18,486	13,923	9,433	9,919	11,582	15,368	10,851	9,272
40% Exceedance	7,127	7,386	8,691	11,910	13,036	10,397	8,641	9,462	11,000	14,471	10,289	7,615
50% Exceedance	6,327	6,711	7,400	8,645	10,443	8,325	7,867	9,065	10,256	13,774	9,773	6,903
60% Exceedance	5,849	6,405	6,780	7,106	8,066	7,585	7,254	8,668	9,740	12,563	9,467	6,159
70% Exceedance	5,468	6,101	5,875	6,259	7,080	6,959	6,829	8,083	9,239	11,655	9,071	5,848
80% Exceedance	5,232	5,748	5,305	5,646	6,274	6,183	5,951	7,522	8,746	11,216	8,332	5,607
90% Exceedance	4,919	5,142	4,805	4,991	5,392	5,371	5,312	6,470	8,481	9,859	7,650	5,091
Full Simulation Period Average[a]	6,854	7,557	12,211	15,348	19,362	14,030	9,753	9,472	10,582	13,326	9,951	7,479
Wet Water Years (28%)	8,411	8,636	13,656	29,705	36,657	25,018	15,184	10,075	10,187	13,899	10,750	9,827
Above Normal Water Years (14%)	7,925	8,974	10,580	18,854	25,910	17,118	9,441	9,872	11,036	15,609	11,212	9,372
Below Normal Water Years (18%)	6,566	7,174	13,773	10,292	10,164	9,239	7,890	10,852	11,236	13,921	10,878	6,564
Dry Water Years (24%)	5,861	6,722	13,721	6,594	10,447	8,278	7,580	9,012	11,254	12,922	9,504	6,046
Critical Water Years (16%)	4,812	5,920	6,854	5,977	7,086	6,116	5,876	7,207	9,130	10,265	7,078	4,897

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-2c. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	337	433	-1	916	2	-334	0	202	-423	-229	-100	299
20% Exceedance	27	343	350	-490	0	-187	24	-245	-193	-244	-412	84
30% Exceedance	220	167	13	-4	-22	-7	-368	57	-136	-307	-75	403
40% Exceedance	224	301	46	364	333	28	87	-90	-297	-280	-174	-137
50% Exceedance	66	98	53	288	39	-90	-11	-25	-82	-112	-111	-72
60% Exceedance	57	112	378	199	-19	-56	174	101	-202	-627	-147	30
70% Exceedance	-77	123	175	143	-64	14	172	-53	-36	-763	169	38
80% Exceedance	-69	-29	179	109	-203	284	447	-258	-61	-24	-125	-70
90% Exceedance	-24	66	254	53	5	401	410	-882	33	165	-372	-253
Full Simulation Period Average[a]	74	190	204	205	75	42	131	-159	-192	-296	-252	-5
Wet Water Years (28%)	25	59	180	383	164	4	5	65	-38	-245	-110	-11
Above Normal Water Years (14%)	380	43	67	-26	-131	-310	-1	6	11	-160	-209	187
Below Normal Water Years (18%)	-22	349	178	59	108	93	-128	-83	14	-557	-348	267
Dry Water Years (24%)	55	26	454	334	167	51	-18	-298	-313	-396	43	14
Critical Water Years (16%)	5	658	18	68	-74	347	986	-572	-693	-61	-876	-497

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-3a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-3b. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,745	9,372	27,667	35,636	48,788	26,973	15,839	12,182	13,262	16,235	13,115	10,397
20% Exceedance	8,572	8,713	17,600	22,316	30,808	20,319	11,519	10,427	12,239	15,868	11,557	9,567
30% Exceedance	8,028	7,812	11,706	16,052	18,425	13,929	9,514	9,813	11,579	15,528	10,786	9,139
40% Exceedance	7,254	7,519	8,692	11,909	12,667	10,395	8,609	9,326	11,039	14,609	10,347	7,646
50% Exceedance	6,335	6,709	7,178	8,568	9,927	8,326	7,932	9,064	10,375	13,723	9,955	6,887
60% Exceedance	5,908	6,433	6,644	7,092	8,058	7,667	7,230	8,706	9,746	12,816	9,674	6,157
70% Exceedance	5,507	6,157	5,799	6,166	7,104	7,070	6,829	8,137	9,283	11,888	9,059	5,836
80% Exceedance	5,232	5,823	5,384	5,568	6,276	6,227	5,976	7,539	8,795	11,258	8,364	5,635
90% Exceedance	4,919	5,392	4,877	4,937	5,392	5,395	5,300	6,498	8,475	9,971	7,579	5,008
Full Simulation Period Average[a]	6,894	7,577	12,179	15,211	19,301	14,072	9,751	9,485	10,580	13,404	10,019	7,469
Wet Water Years (28%)	8,413	8,716	13,551	29,472	36,658	25,021	15,184	10,058	10,195	13,912	10,783	9,854
Above Normal Water Years (14%)	7,955	9,128	10,552	18,832	25,968	17,227	9,427	9,903	10,893	15,706	11,254	9,416
Below Normal Water Years (18%)	6,690	7,105	13,814	10,282	10,272	9,241	7,920	10,818	11,222	13,956	11,016	6,495
Dry Water Years (24%)	5,863	6,683	13,693	6,432	10,440	8,238	7,432	9,077	11,292	13,073	9,549	6,017
Critical Water Years (16%)	4,892	5,899	6,861	5,798	6,545	6,338	6,066	7,228	9,190	10,377	7,184	4,868

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-3c. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	334	-215	-1	703	2	-333	-1	203	-360	-162	-21	332
20% Exceedance	78	429	977	-489	-1	-189	24	-321	-329	-216	-415	65
30% Exceedance	304	185	10	-4	-83	-1	-288	-49	-139	-147	-139	271
40% Exceedance	351	434	47	363	-36	26	56	-225	-258	-142	-116	-106
50% Exceedance	74	96	-169	212	-478	-89	54	-27	37	-163	71	-89
60% Exceedance	116	139	242	184	-27	27	150	140	-196	-375	60	27
70% Exceedance	-39	178	99	51	-41	125	172	1	9	-531	157	26
80% Exceedance	-69	47	258	31	-202	328	471	-242	-13	18	-93	-42
90% Exceedance	-23	317	326	-1	5	425	398	-854	27	278	-443	-336
Full Simulation Period Average[a]	114	211	172	68	15	84	130	-146	-194	-218	-184	-15
Wet Water Years (28%)	27	139	76	149	165	6	4	47	-29	-232	-77	17
Above Normal Water Years (14%)	409	197	38	-48	-73	-201	-15	38	-133	-63	-166	231
Below Normal Water Years (18%)	103	279	219	50	216	96	-98	-117	1	-522	-209	198
Dry Water Years (24%)	57	-13	426	173	160	10	-166	-232	-275	-245	89	-14
Critical Water Years (16%)	85	636	25	-112	-615	569	1,176	-551	-633	51	-769	-527

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-4a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-4b. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,599	10,219	27,667	36,081	48,789	26,977	15,908	12,420	12,737	16,031	12,965	10,489
20% Exceedance	8,461	8,808	17,817	22,318	31,364	20,317	11,701	10,487	11,669	15,634	11,497	9,624
30% Exceedance	7,948	7,804	11,715	16,052	18,423	13,928	9,672	9,911	10,978	15,200	10,668	9,125
40% Exceedance	7,218	7,462	8,692	11,909	13,036	10,386	8,940	9,479	10,509	14,571	10,288	7,633
50% Exceedance	6,265	6,551	7,382	8,644	10,445	8,327	8,262	9,191	9,881	13,578	9,957	6,945
60% Exceedance	5,843	6,358	6,718	7,111	8,067	7,586	7,633	8,612	9,472	12,606	9,609	6,125
70% Exceedance	5,504	6,099	5,802	6,208	7,257	6,960	6,961	8,089	9,134	11,690	9,036	5,827
80% Exceedance	5,168	5,711	5,318	5,682	6,292	6,146	6,315	7,518	8,702	11,216	8,286	5,643
90% Exceedance	4,919	5,352	4,773	4,991	5,392	5,364	5,537	6,876	8,219	9,688	7,516	5,086
Full Simulation Period Average[a]	6,838	7,605	12,232	15,345	19,458	13,995	10,008	9,514	10,211	13,268	9,950	7,494
Wet Water Years (28%)	8,395	8,711	13,559	29,679	36,688	25,022	15,275	10,072	10,110	13,896	10,767	9,870
Above Normal Water Years (14%)	7,850	9,162	10,574	18,893	26,054	16,895	10,116	10,070	10,221	15,516	11,045	9,438
Below Normal Water Years (18%)	6,576	7,157	13,823	10,295	10,304	9,239	8,600	10,982	10,540	13,739	10,838	6,585
Dry Water Years (24%)	5,809	6,828	13,905	6,426	10,589	8,264	7,545	8,800	10,805	12,811	9,399	6,037
Critical Water Years (16%)	4,881	5,762	6,831	6,216	7,135	6,109	5,977	7,474	9,120	10,358	7,391	4,841

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-4c. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	189	632	-1	1,148	3	-329	69	442	-884	-366	-171	424
20% Exceedance	-33	523	1,194	-486	555	-191	207	-261	-899	-450	-475	123
30% Exceedance	224	178	19	-5	-85	-2	-130	48	-740	-475	-257	257
40% Exceedance	315	377	46	363	332	17	386	-73	-788	-180	-175	-120
50% Exceedance	4	-62	35	288	40	-89	383	101	-457	-307	73	-30
60% Exceedance	51	64	315	203	-18	-54	553	46	-470	-584	-5	-4
70% Exceedance	-42	120	103	93	112	15	304	-47	-141	-728	134	18
80% Exceedance	-132	-65	192	144	-185	247	810	-262	-106	-24	-171	-34
90% Exceedance	-23	276	222	52	5	393	635	-477	-230	-6	-506	-258
Full Simulation Period Average[a]	58	238	225	202	171	7	387	-117	-563	-354	-253	9
Wet Water Years (28%)	8	134	83	357	195	7	96	61	-114	-248	-93	33
Above Normal Water Years (14%)	305	231	60	13	12	-533	674	205	-804	-253	-376	253
Below Normal Water Years (18%)	-12	331	228	62	248	94	582	47	-682	-739	-387	289
Dry Water Years (24%)	3	132	638	167	309	36	-53	-509	-762	-507	-62	6
Critical Water Years (16%)	74	500	-6	307	-24	340	1,088	-306	-703	32	-563	-554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-5a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-5b. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,756	9,947	27,667	35,628	48,788	28,634	15,841	12,180	13,197	16,224	13,034	10,381
20% Exceedance	8,485	8,625	16,995	26,022	30,810	20,322	11,520	10,502	12,428	15,874	11,558	9,585
30% Exceedance	7,949	7,792	11,797	16,063	18,486	13,923	9,434	9,894	11,544	15,407	10,853	9,270
40% Exceedance	7,163	7,258	8,691	11,910	13,032	10,397	8,639	9,293	10,831	14,552	10,285	7,613
50% Exceedance	6,327	6,651	7,398	8,645	10,443	8,327	7,857	9,003	10,325	13,764	9,878	6,959
60% Exceedance	5,925	6,400	6,744	7,100	8,064	7,585	7,205	8,591	9,740	12,234	9,500	6,237
70% Exceedance	5,546	6,009	5,906	6,210	7,084	6,959	6,747	8,040	9,216	11,525	9,114	5,879
80% Exceedance	5,300	5,780	5,362	5,580	6,272	5,968	5,697	7,522	8,782	11,093	8,219	5,629
90% Exceedance	4,986	5,169	4,876	4,952	5,240	4,992	4,794	6,594	8,551	9,279	7,388	5,260
Full Simulation Period Average[a]	6,915	7,568	12,231	15,381	19,388	14,019	9,623	9,455	10,563	13,189	9,977	7,553
Wet Water Years (28%)	8,412	8,631	13,665	29,711	36,658	25,019	15,184	10,073	10,184	13,898	10,751	9,825
Above Normal Water Years (14%)	7,933	8,962	10,591	19,255	25,973	17,668	9,443	9,873	11,035	15,610	11,237	9,403
Below Normal Water Years (18%)	6,604	7,260	13,775	10,298	10,166	9,240	7,890	10,925	11,269	14,128	11,009	6,643
Dry Water Years (24%)	5,866	6,727	13,704	6,590	10,580	8,270	7,603	9,020	11,262	12,899	9,509	6,050
Critical Water Years (16%)	5,155	5,905	6,981	5,820	6,991	5,575	5,027	7,005	8,967	9,209	7,063	5,234

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-5c. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	345	360	-1	695	3	1,327	2	202	-425	-172	-103	316
20% Exceedance	-9	341	372	3,217	0	-187	26	-246	-140	-210	-414	84
30% Exceedance	225	166	100	7	-23	-7	-368	32	-174	-268	-72	402
40% Exceedance	260	173	45	364	329	28	86	-258	-466	-200	-178	-139
50% Exceedance	65	37	51	288	38	-89	-21	-87	-13	-122	-6	-17
60% Exceedance	133	106	342	193	-21	-56	125	24	-202	-956	-114	107
70% Exceedance	0	30	206	95	-60	14	91	-96	-58	-893	212	69
80% Exceedance	0	3	236	43	-206	69	192	-259	-25	-147	-239	-48
90% Exceedance	43	93	325	13	-147	22	-108	-759	103	-415	-634	-84
Full Simulation Period Average[a]	135	201	224	238	102	31	2	-177	-211	-433	-226	68
Wet Water Years (28%)	26	54	189	389	165	4	4	62	-40	-245	-109	-12
Above Normal Water Years (14%)	388	31	78	375	-69	239	1	8	10	-159	-184	217
Below Normal Water Years (18%)	17	434	180	65	111	94	-128	-10	47	-350	-216	346
Dry Water Years (24%)	61	31	437	331	301	43	5	-289	-305	-419	49	19
Critical Water Years (16%)	349	642	145	-89	-169	-194	138	-775	-856	-1,117	-890	-160

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-6a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-6b. Sacramento Flow River at Bend Bridge, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,139	9,681	27,657	37,443	48,796	28,523	15,969	14,770	12,154	15,824	13,197	10,365
20% Exceedance	8,543	7,648	21,525	25,113	30,812	20,118	11,989	13,259	11,734	14,999	12,330	8,911
30% Exceedance	7,798	6,906	13,105	16,055	18,997	13,884	9,674	10,896	10,874	14,351	11,801	8,217
40% Exceedance	6,899	6,567	10,282	12,263	12,965	10,946	7,786	9,725	9,807	13,723	10,976	7,410
50% Exceedance	5,952	6,235	7,013	8,824	10,577	8,591	6,854	9,179	9,188	13,426	10,584	6,147
60% Exceedance	5,705	5,962	6,358	7,263	8,307	7,492	6,345	8,526	8,700	12,752	9,916	5,861
70% Exceedance	5,500	5,735	5,691	6,256	7,344	6,746	5,816	8,102	8,386	11,331	9,423	5,613
80% Exceedance	5,260	5,450	4,921	5,634	6,418	5,990	5,181	7,591	7,996	10,661	9,085	5,364
90% Exceedance	5,083	5,190	4,399	5,002	5,398	5,129	4,549	6,700	7,697	9,729	8,239	5,072
Full Simulation Period Average[a]	6,815	7,299	12,584	15,589	19,471	14,103	9,351	10,210	9,701	12,836	10,610	7,141
Wet Water Years (28%)	8,199	8,096	13,664	30,152	36,943	25,177	15,454	12,506	8,926	13,558	10,413	9,261
Above Normal Water Years (14%)	7,610	8,077	11,818	19,372	26,013	17,770	9,737	11,954	9,262	13,519	11,126	8,386
Below Normal Water Years (18%)	6,493	7,198	14,433	10,399	10,684	9,240	7,278	10,584	10,199	13,248	11,811	6,496
Dry Water Years (24%)	5,939	6,728	13,732	6,444	10,375	8,319	6,591	8,741	10,921	13,310	11,317	5,771
Critical Water Years (16%)	5,221	6,064	7,277	6,350	6,699	5,665	4,804	6,449	9,052	9,797	8,090	5,119

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-6c. Sacramento Flow River at Bend Bridge, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-272	94	-11	2,510	10	1,216	129	2,792	-1,467	-572	61	300
20% Exceedance	49	-637	4,903	2,309	2	-390	494	2,511	-833	-1,085	358	-591
30% Exceedance	75	-721	1,408	-1	488	-46	-128	1,033	-843	-1,324	876	-651
40% Exceedance	-4	-518	1,636	717	262	577	-768	173	-1,490	-1,029	513	-342
50% Exceedance	-309	-378	-334	467	172	175	-1,025	89	-1,150	-460	700	-828
60% Exceedance	-87	-332	-44	355	222	-149	-735	-40	-1,242	-439	301	-269
70% Exceedance	-46	-244	-9	141	199	-199	-840	-34	-889	-1,088	521	-196
80% Exceedance	-41	-327	-204	96	-59	91	-324	-190	-812	-579	627	-312
90% Exceedance	140	114	-152	63	11	158	-353	-653	-751	36	217	-272
Full Simulation Period Average[a]	34	-68	577	446	184	115	-270	579	-1,073	-787	406	-344
Wet Water Years (28%)	-187	-481	188	829	450	162	275	2,496	-1,299	-585	-447	-577
Above Normal Water Years (14%)	65	-854	1,304	492	-28	341	295	2,089	-1,763	-2,251	-295	-799
Below Normal Water Years (18%)	-94	372	838	166	628	94	-740	-351	-1,023	-1,230	586	199
Dry Water Years (24%)	134	32	465	184	95	92	-1,007	-568	-646	-8	1,857	-261
Critical Water Years (16%)	414	801	440	441	-461	-104	-86	-1,330	-771	-529	137	-275

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-7a. Sacramento Flow River at Bend Bridge, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,411	9,587	27,668	34,933	48,786	27,307	15,839	11,978	13,622	16,397	13,136	10,065
20% Exceedance	8,494	8,285	16,623	22,804	30,810	20,508	11,495	10,748	12,568	16,084	11,972	9,501
30% Exceedance	7,724	7,626	11,697	16,056	18,509	13,930	9,802	9,862	11,718	15,675	10,925	8,868
40% Exceedance	6,903	7,085	8,645	11,546	12,703	10,369	8,553	9,552	11,297	14,752	10,463	7,752
50% Exceedance	6,261	6,613	7,347	8,357	10,405	8,416	7,879	9,090	10,338	13,886	9,884	6,976
60% Exceedance	5,792	6,294	6,402	6,908	8,085	7,640	7,080	8,566	9,942	13,190	9,614	6,130
70% Exceedance	5,546	5,979	5,700	6,115	7,145	6,945	6,656	8,136	9,275	12,419	8,902	5,809
80% Exceedance	5,301	5,776	5,126	5,537	6,478	5,899	5,505	7,781	8,808	11,240	8,457	5,677
90% Exceedance	4,943	5,076	4,551	4,938	5,387	4,971	4,902	7,353	8,448	9,693	8,022	5,344
Full Simulation Period Average[a]	6,780	7,366	12,007	15,143	19,286	13,988	9,621	9,631	10,774	13,622	10,203	7,484
Wet Water Years (28%)	8,386	8,578	13,476	29,322	36,493	25,015	15,179	10,010	10,225	14,144	10,860	9,838
Above Normal Water Years (14%)	7,545	8,931	10,514	18,880	26,041	17,428	9,442	9,866	11,025	15,769	11,421	9,185
Below Normal Water Years (18%)	6,587	6,826	13,595	10,233	10,056	9,145	8,018	10,935	11,222	14,478	11,225	6,297
Dry Water Years (24%)	5,806	6,696	13,267	6,260	10,280	8,227	7,598	9,309	11,567	13,318	9,461	6,031
Critical Water Years (16%)	4,807	5,263	6,837	5,909	7,160	5,769	4,889	7,779	9,823	10,326	7,954	5,394

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-7b. Sacramento Flow River at Bend Bridge, Alternative 4, Monthly Flow (cfs)

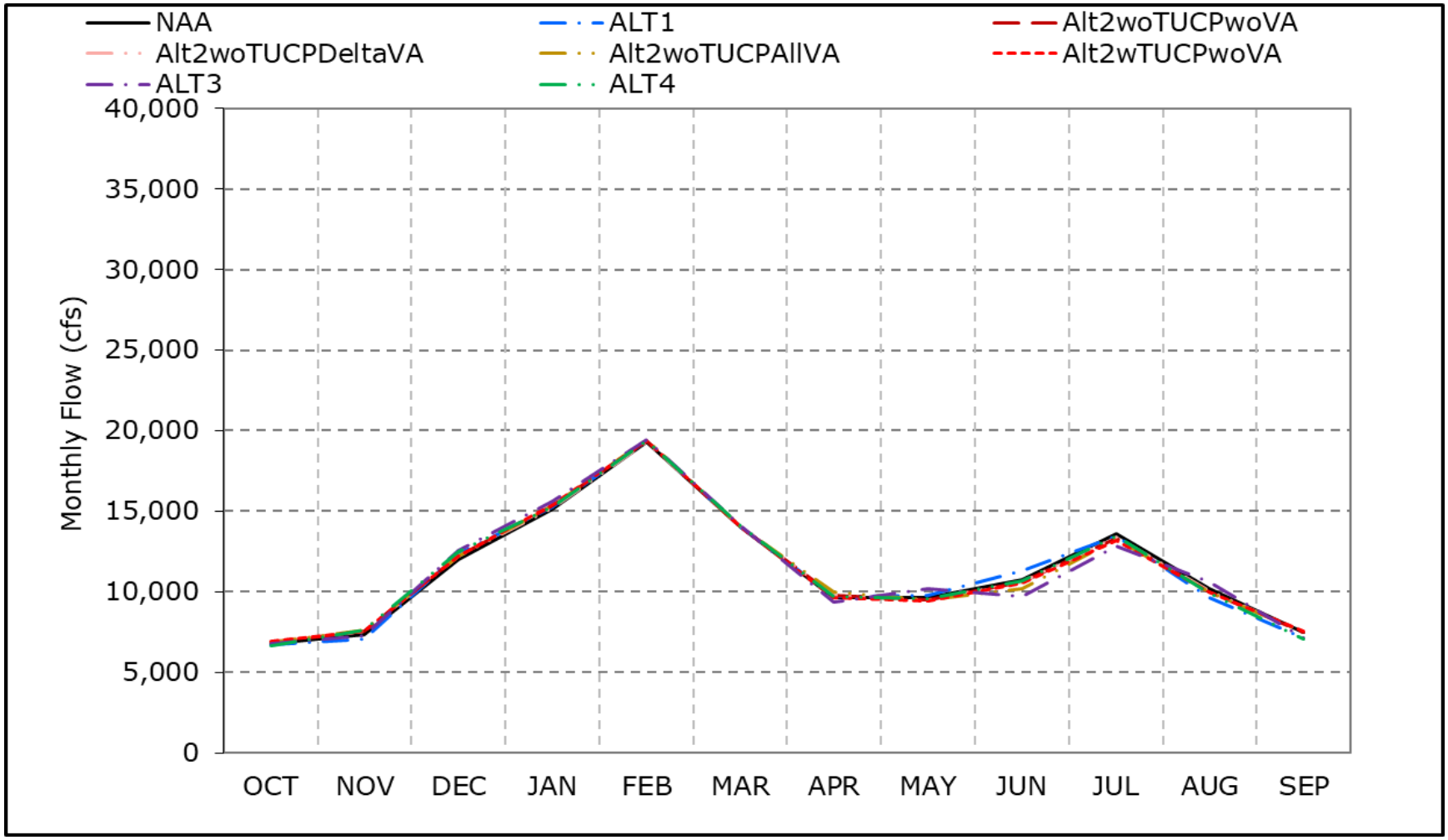
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,963	10,081	27,668	37,483	48,788	27,960	15,840	12,024	13,212	16,369	12,489	9,460
20% Exceedance	8,052	8,253	19,115	22,320	30,811	20,641	11,523	10,656	12,446	16,015	11,670	7,828
30% Exceedance	7,012	7,827	11,657	16,064	18,958	13,913	9,581	9,799	11,667	15,634	10,537	7,472
40% Exceedance	6,462	7,391	9,867	11,910	13,040	10,848	8,833	9,430	11,121	14,498	10,071	7,195
50% Exceedance	6,205	7,033	7,424	8,179	10,826	8,593	8,151	9,074	10,310	13,640	9,717	6,612
60% Exceedance	5,784	6,390	6,680	7,006	8,070	7,669	7,458	8,610	9,868	13,125	9,444	6,238
70% Exceedance	5,527	6,051	5,892	6,183	7,109	6,958	6,738	8,174	9,224	12,076	8,996	5,948
80% Exceedance	5,350	5,783	5,394	5,631	6,261	5,955	5,590	7,656	8,823	11,164	8,564	5,588
90% Exceedance	5,022	5,100	4,841	4,955	5,242	5,021	4,761	6,642	8,364	9,424	7,469	5,310
Full Simulation Period Average[a]	6,664	7,629	12,452	15,261	19,357	14,081	9,709	9,561	10,650	13,435	9,879	7,066
Wet Water Years (28%)	8,068	8,856	14,028	29,730	36,435	25,045	15,219	10,070	10,229	14,053	10,481	9,116
Above Normal Water Years (14%)	6,734	9,031	11,499	18,687	25,974	17,756	9,493	9,898	11,128	15,804	10,665	7,414
Below Normal Water Years (18%)	6,661	7,159	13,680	10,304	10,198	9,302	8,206	10,963	11,291	14,574	11,182	6,382
Dry Water Years (24%)	5,887	6,708	13,739	6,274	10,525	8,371	7,658	9,253	11,393	13,128	9,467	6,160
Critical Water Years (16%)	5,218	5,976	6,929	6,000	7,231	5,621	5,026	7,264	9,136	9,460	7,292	5,305

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-4-7c. Sacramento Flow River at Bend Bridge, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

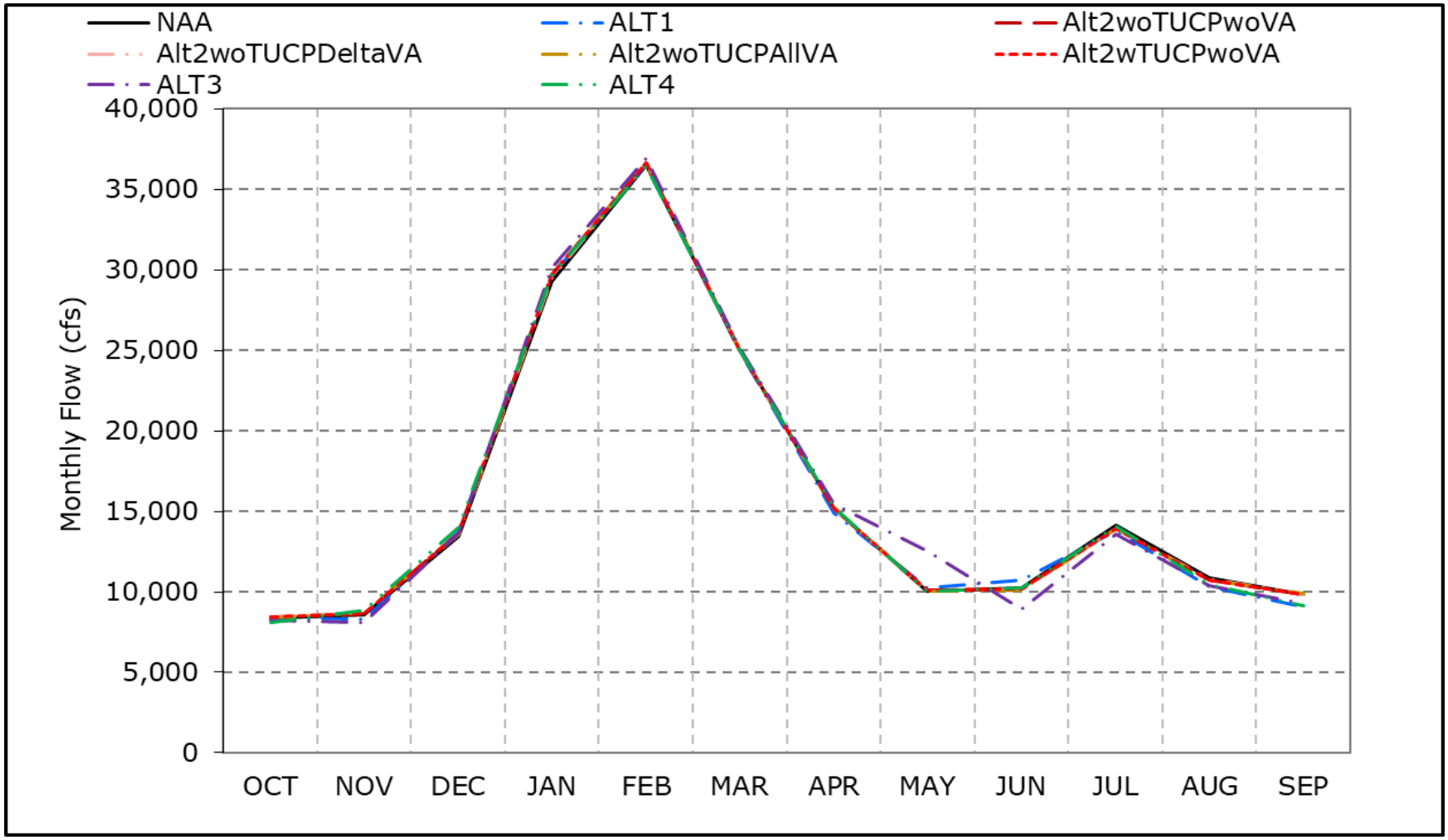
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-448	494	0	2,550	2	654	1	45	-410	-28	-647	-605
20% Exceedance	-442	-32	2,492	-485	2	133	28	-92	-122	-69	-302	-1,674
30% Exceedance	-712	201	-39	8	450	-17	-220	-64	-51	-41	-388	-1,396
40% Exceedance	-441	306	1,221	364	337	479	279	-121	-176	-253	-392	-557
50% Exceedance	-57	420	77	-178	421	177	272	-16	-28	-245	-167	-363
60% Exceedance	-8	96	278	98	-15	29	378	43	-74	-66	-170	108
70% Exceedance	-18	72	192	68	-36	13	82	38	-51	-343	94	138
80% Exceedance	50	6	268	94	-217	56	85	-125	15	-76	107	-88
90% Exceedance	79	24	290	17	-145	50	-141	-711	-85	-269	-553	-34
Full Simulation Period Average[a]	-117	263	445	118	70	93	88	-70	-124	-187	-324	-418
Wet Water Years (28%)	-318	279	552	407	-58	30	40	59	5	-91	-378	-722
Above Normal Water Years (14%)	-812	100	986	-194	-67	327	51	32	103	35	-756	-1,771
Below Normal Water Years (18%)	74	334	85	71	142	156	188	28	69	96	-43	85
Dry Water Years (24%)	81	12	472	14	245	144	60	-56	-174	-190	6	129
Critical Water Years (16%)	411	714	92	91	72	-148	136	-515	-687	-866	-661	-90

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



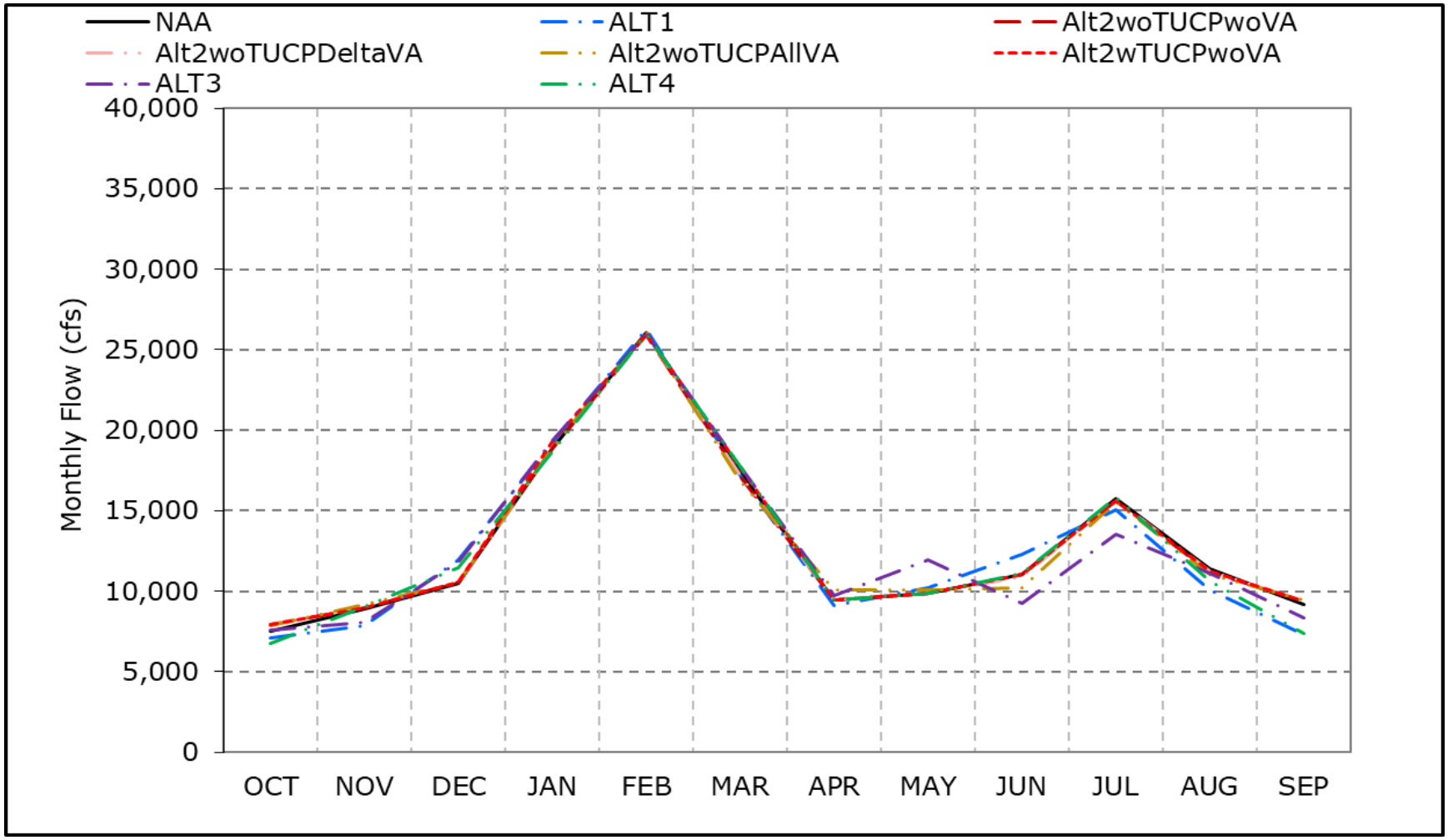
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-1. Sacramento Flow River at Bend Bridge, Long-Term Average Flow



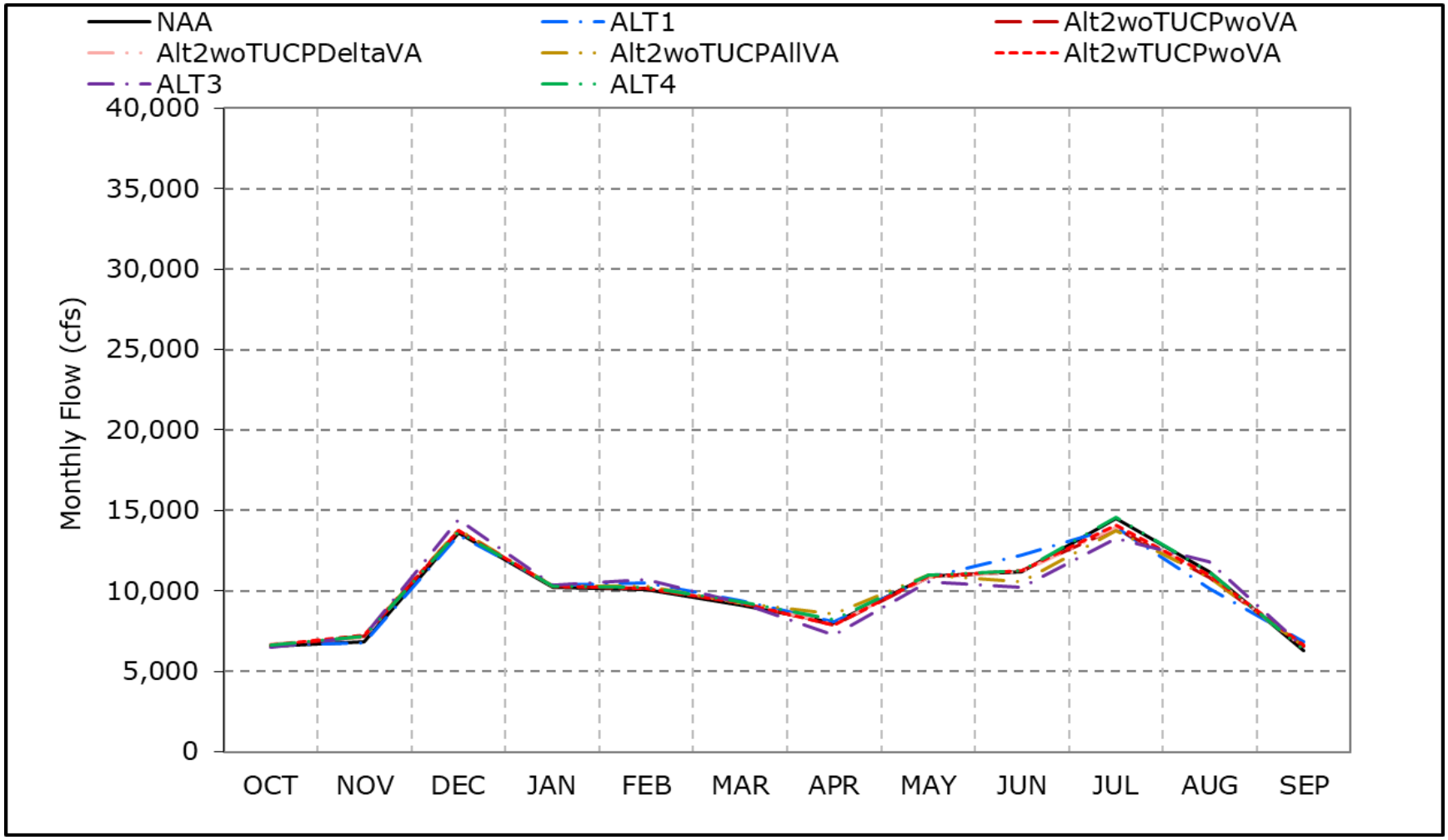
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-2. Sacramento Flow River at Bend Bridge, Wet Year Average Flow



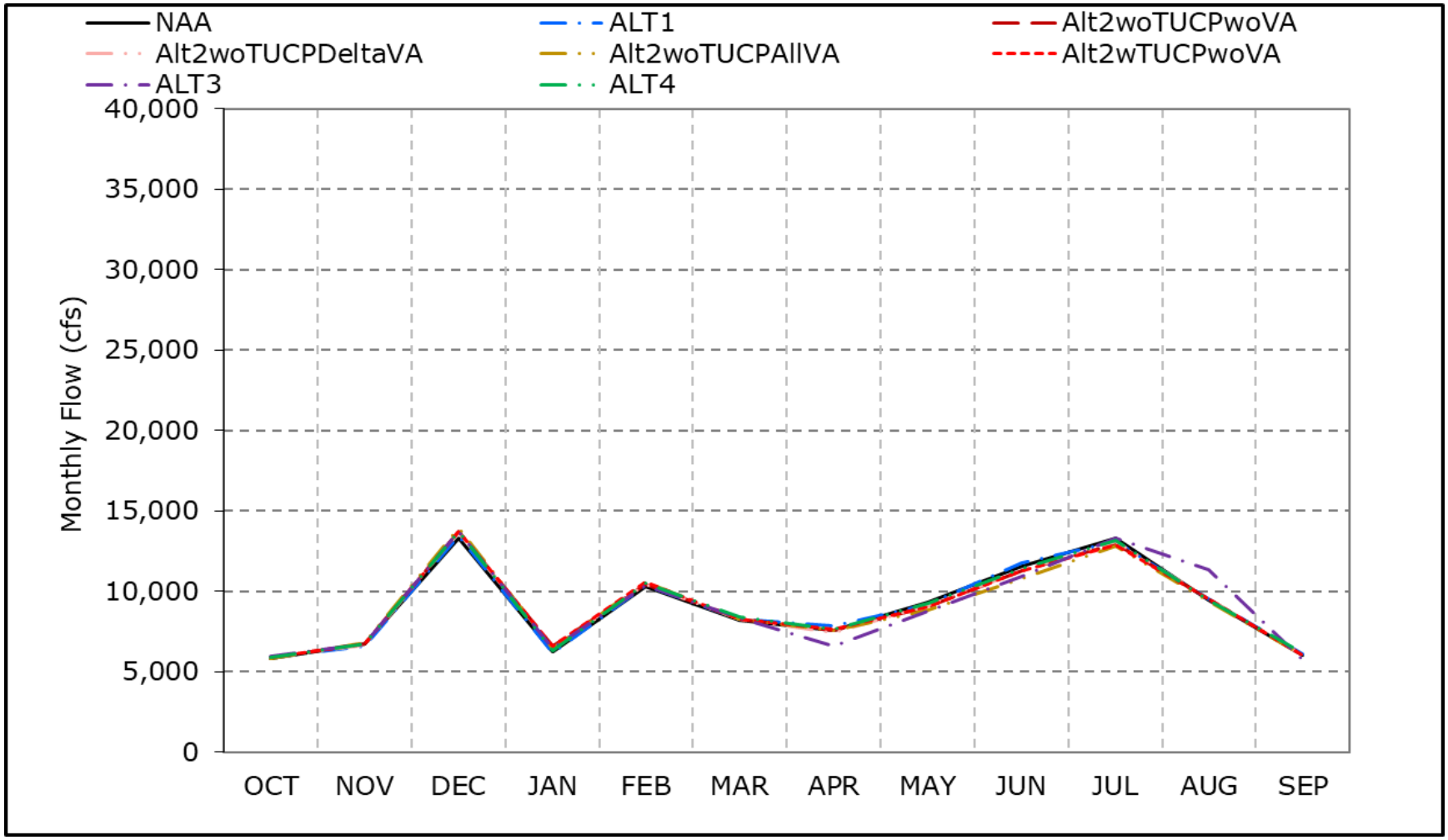
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-3. Sacramento Flow River at Bend Bridge, Above Normal Year Average Flow



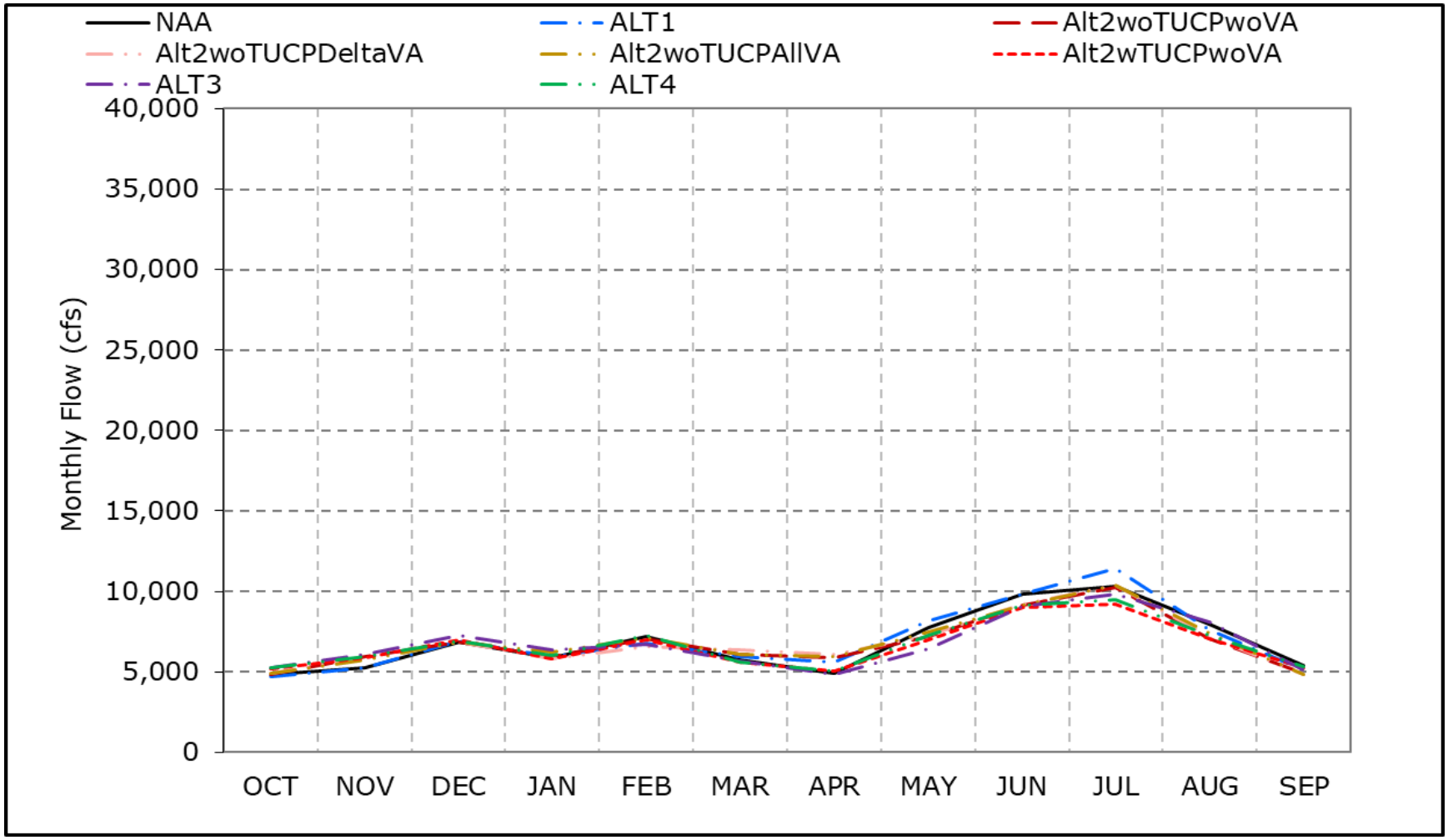
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-4. Sacramento Flow River at Bend Bridge, Below Normal Year Average Flow



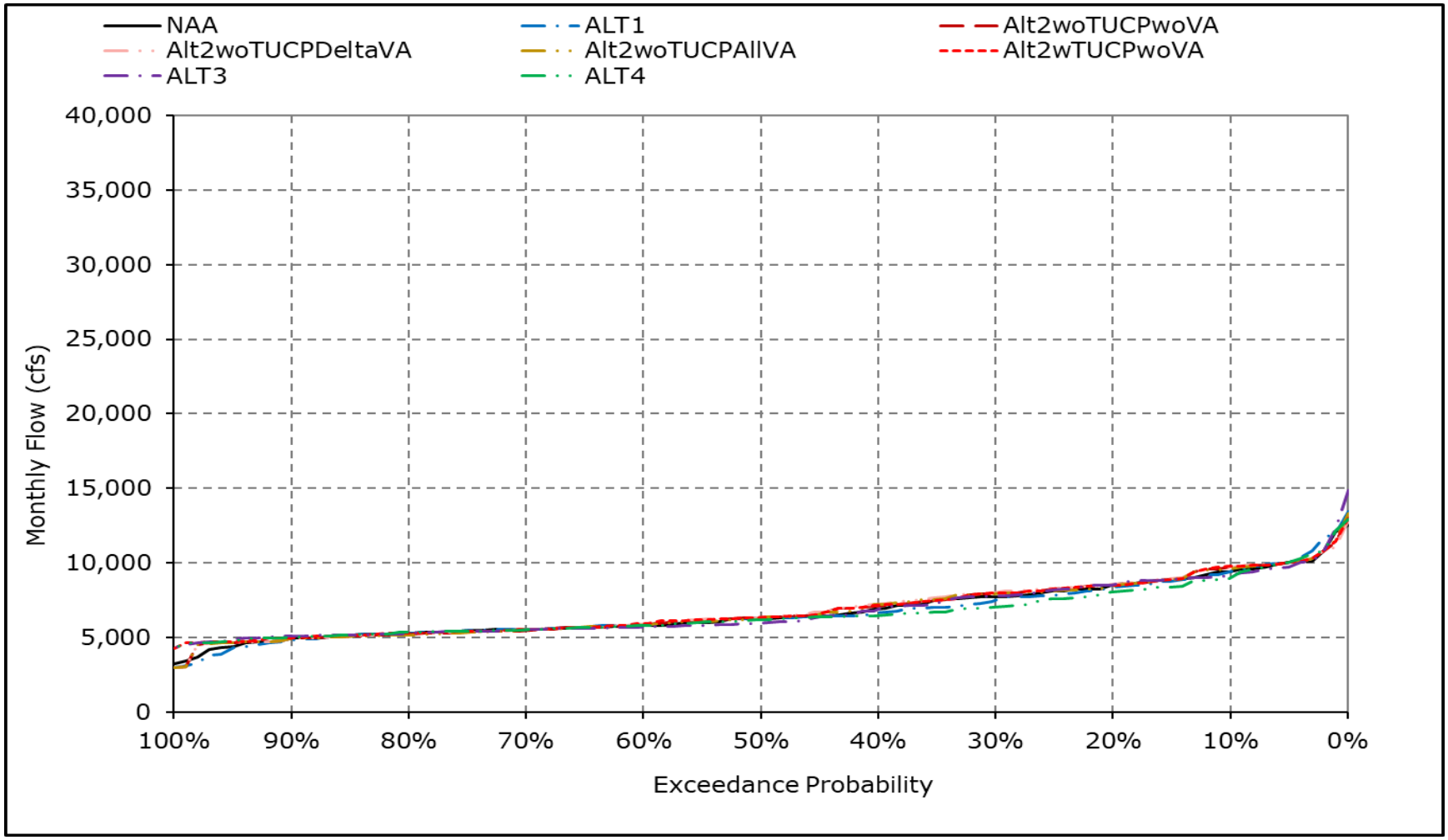
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-5. Sacramento Flow River at Bend Bridge, Dry Year Average Flow



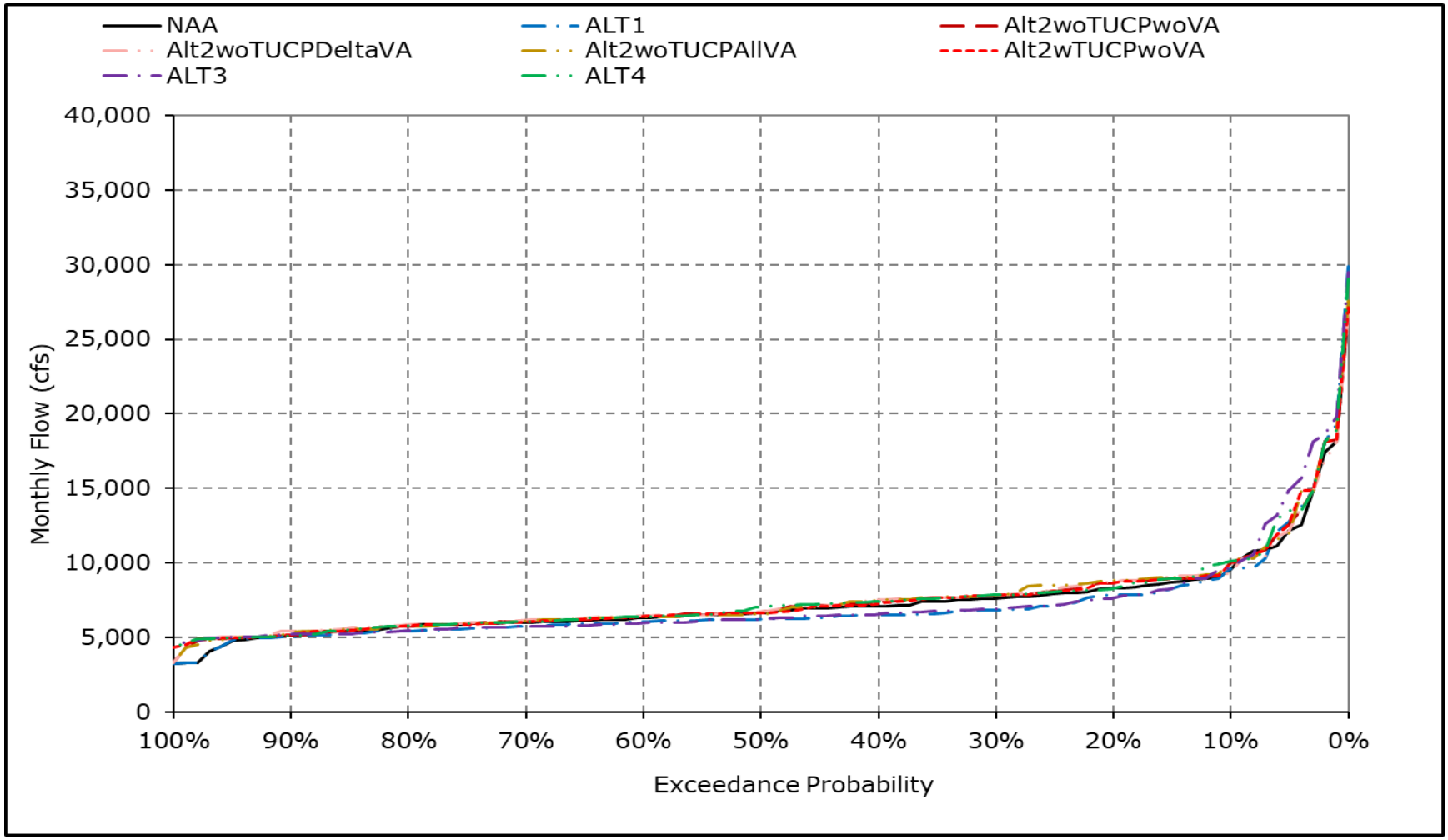
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-6. Sacramento Flow River at Bend Bridge, Critical Year Average Flow



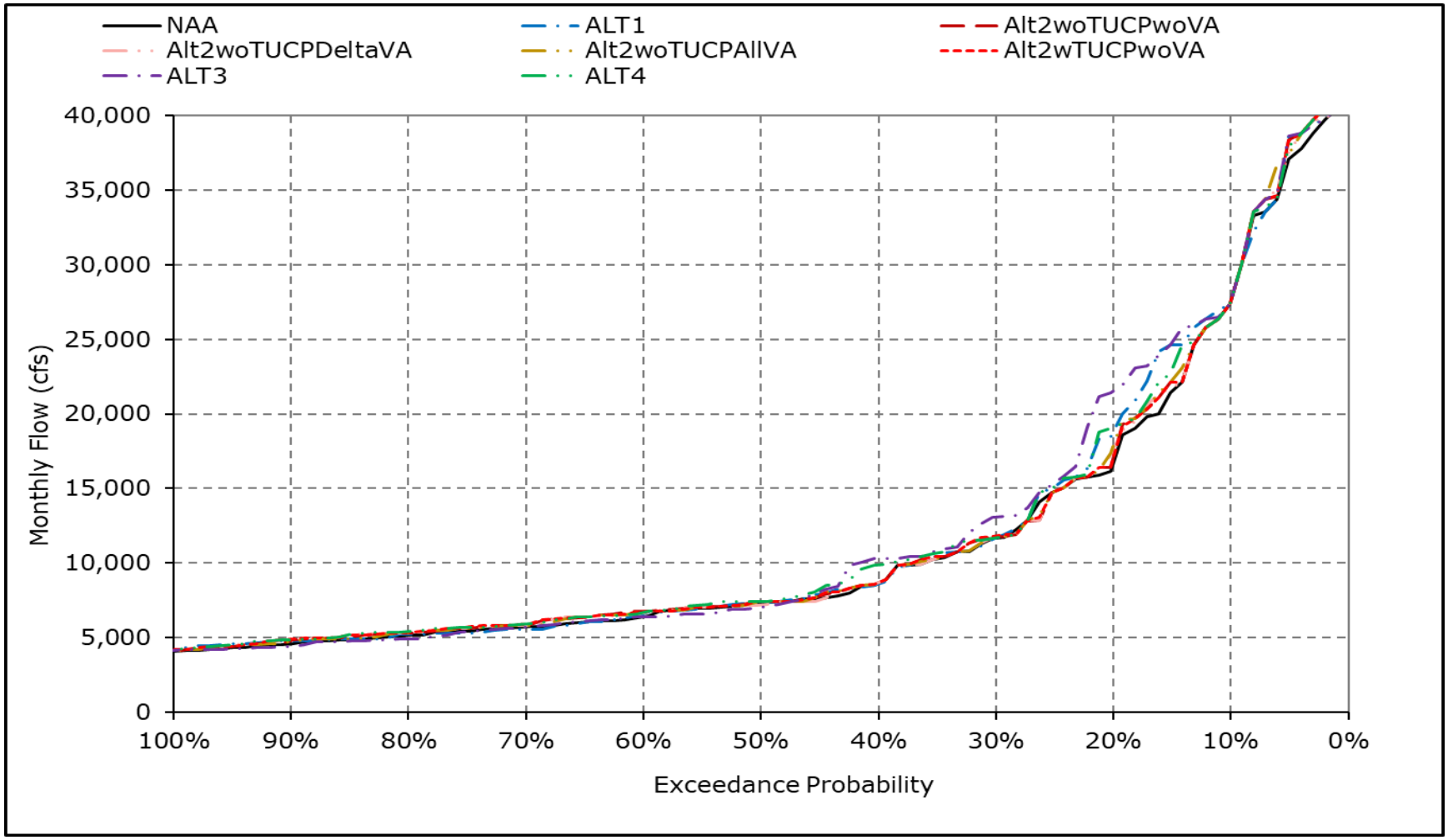
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-7. Sacramento Flow River at Bend Bridge, October



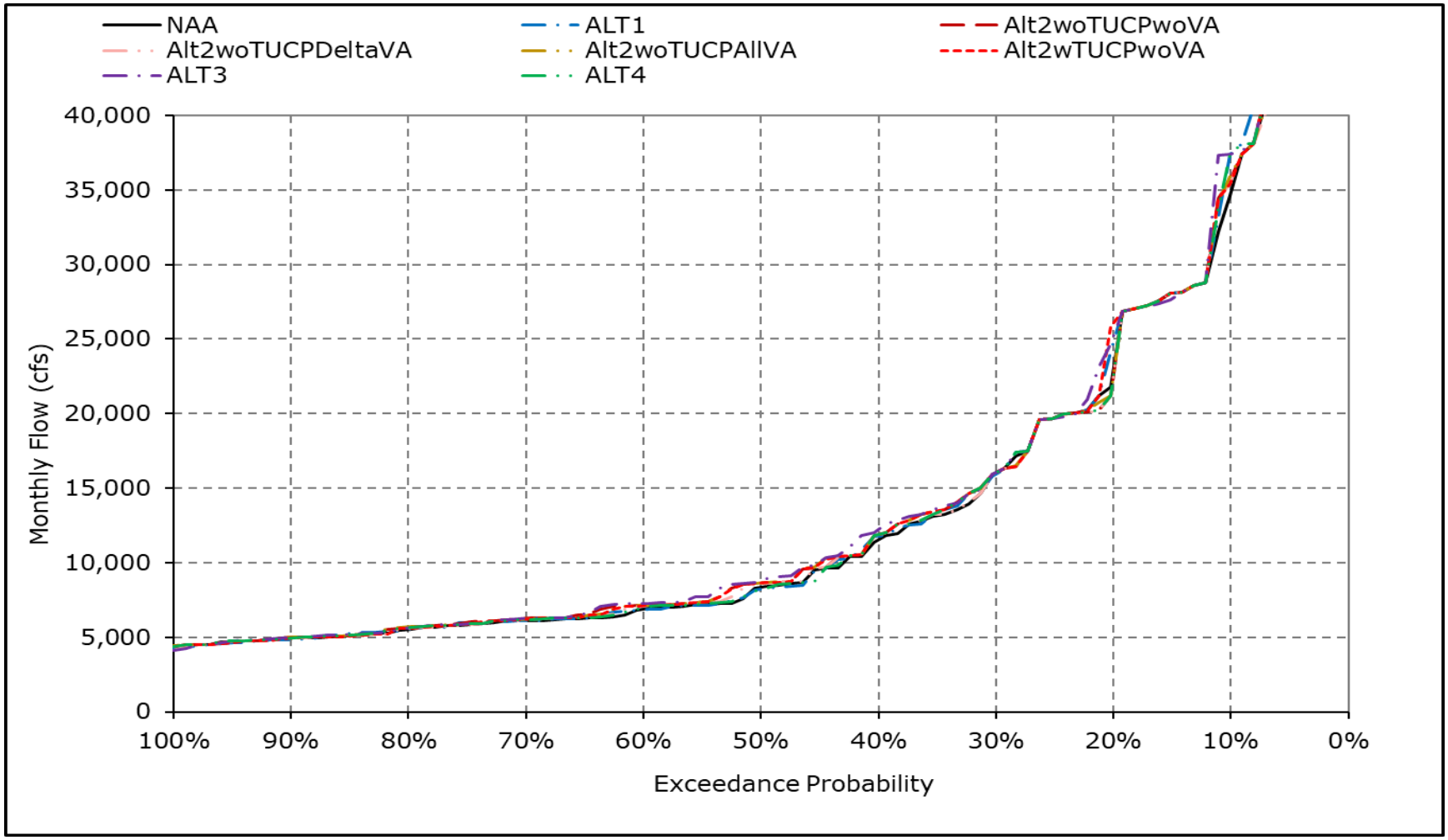
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-8. Sacramento Flow River at Bend Bridge, November



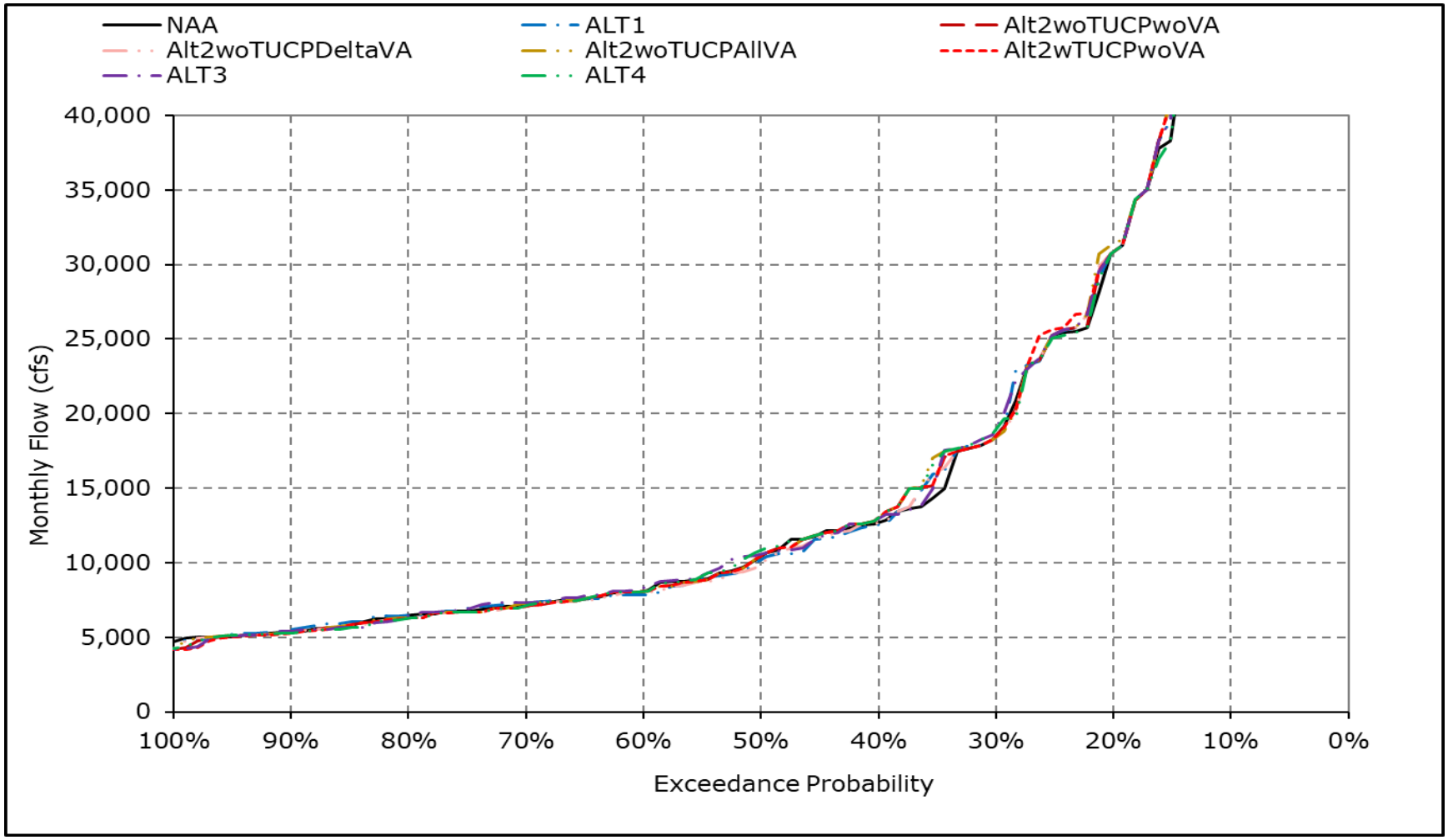
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-9. Sacramento Flow River at Bend Bridge, December



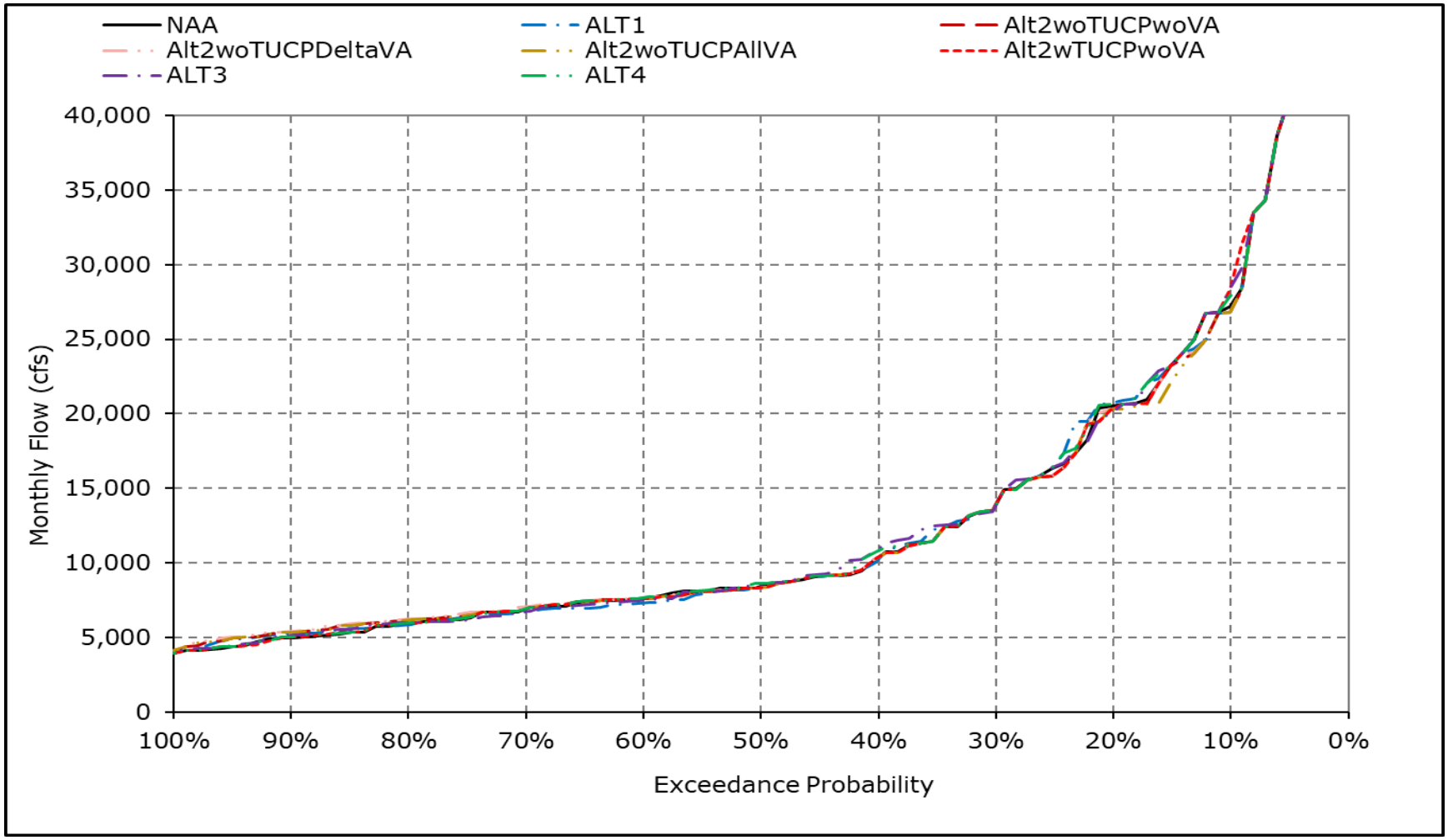
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-10. Sacramento Flow River at Bend Bridge, January



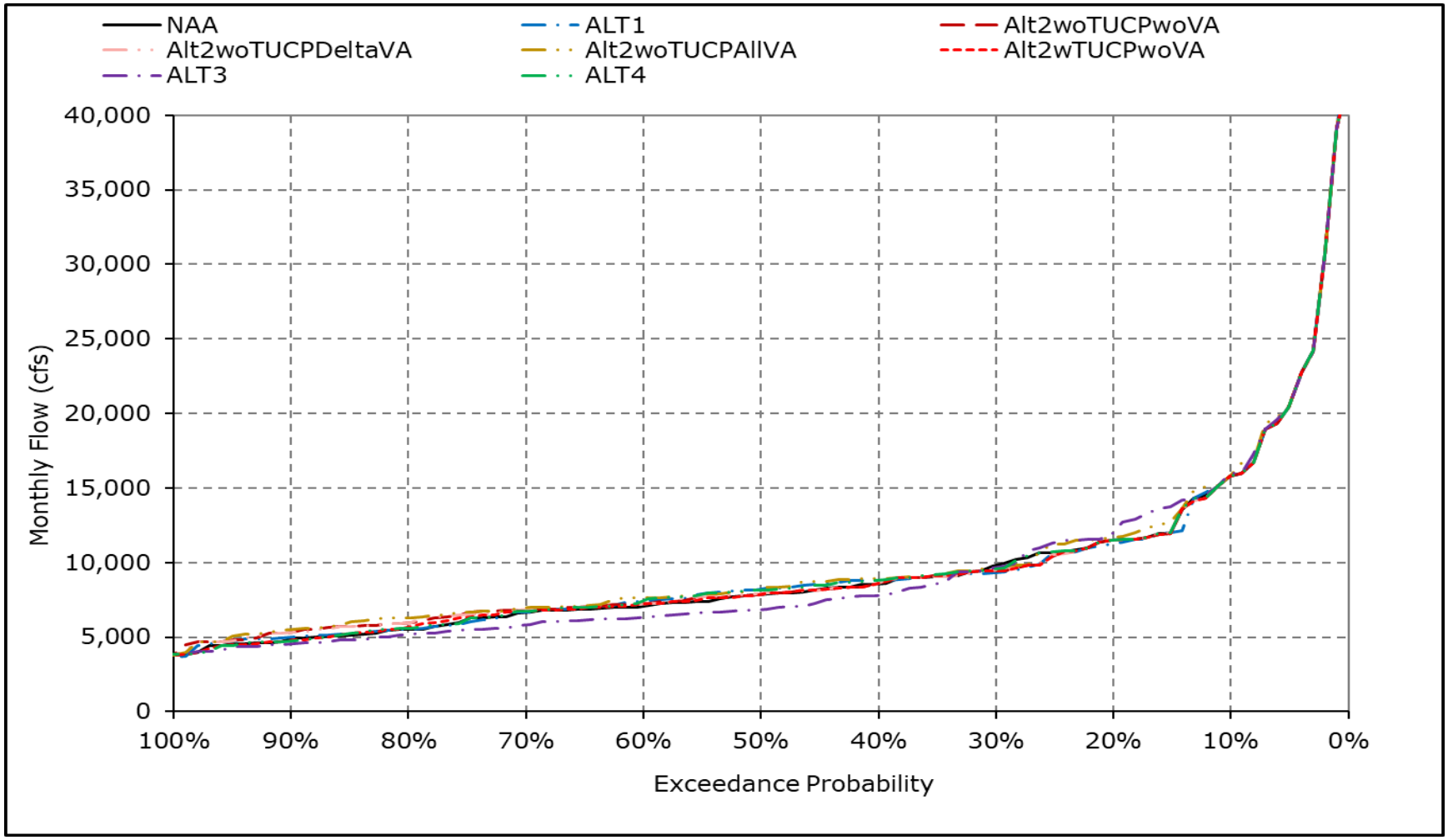
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-11. Sacramento Flow River at Bend Bridge, February



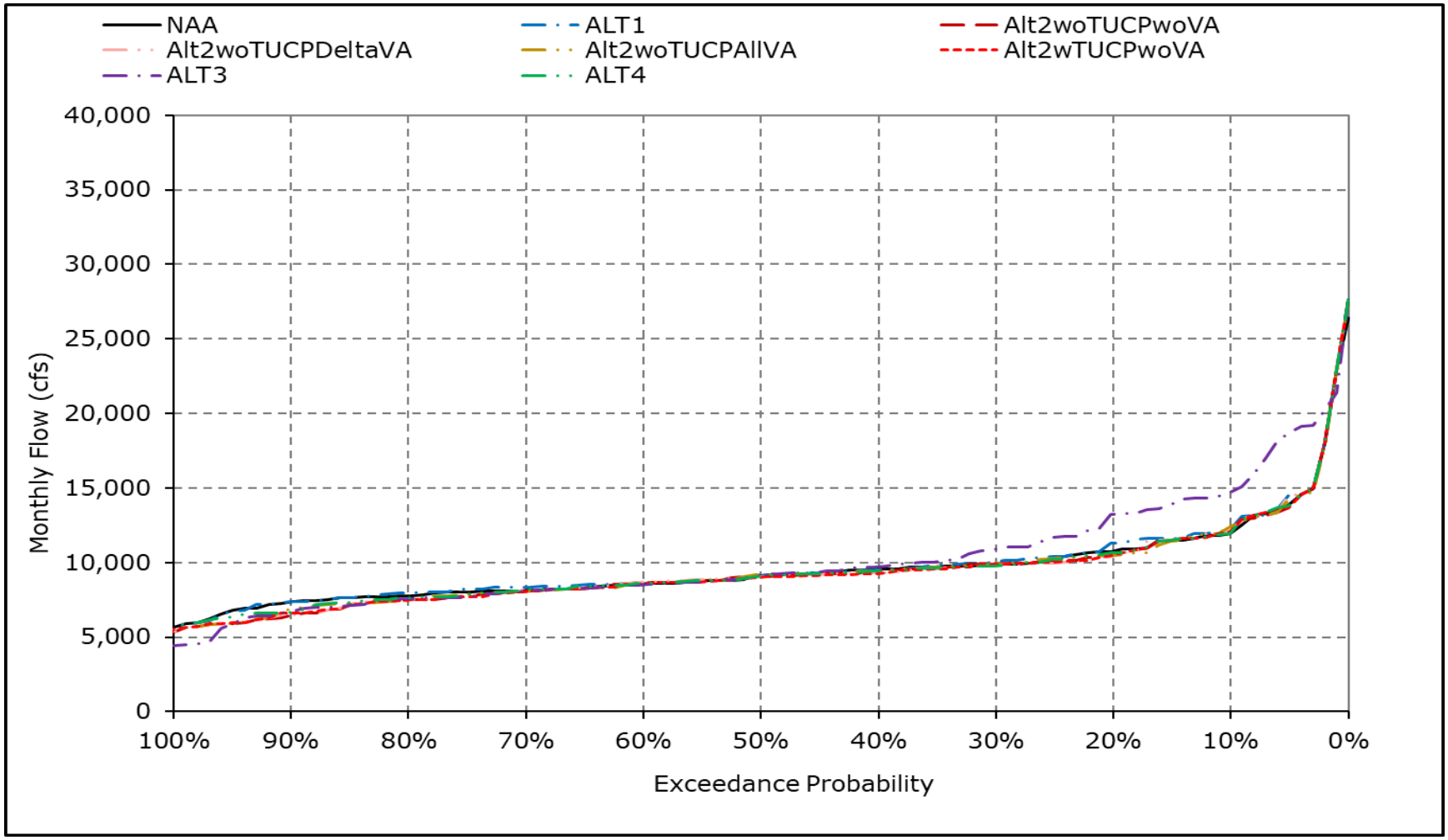
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-12. Sacramento Flow River at Bend Bridge, March



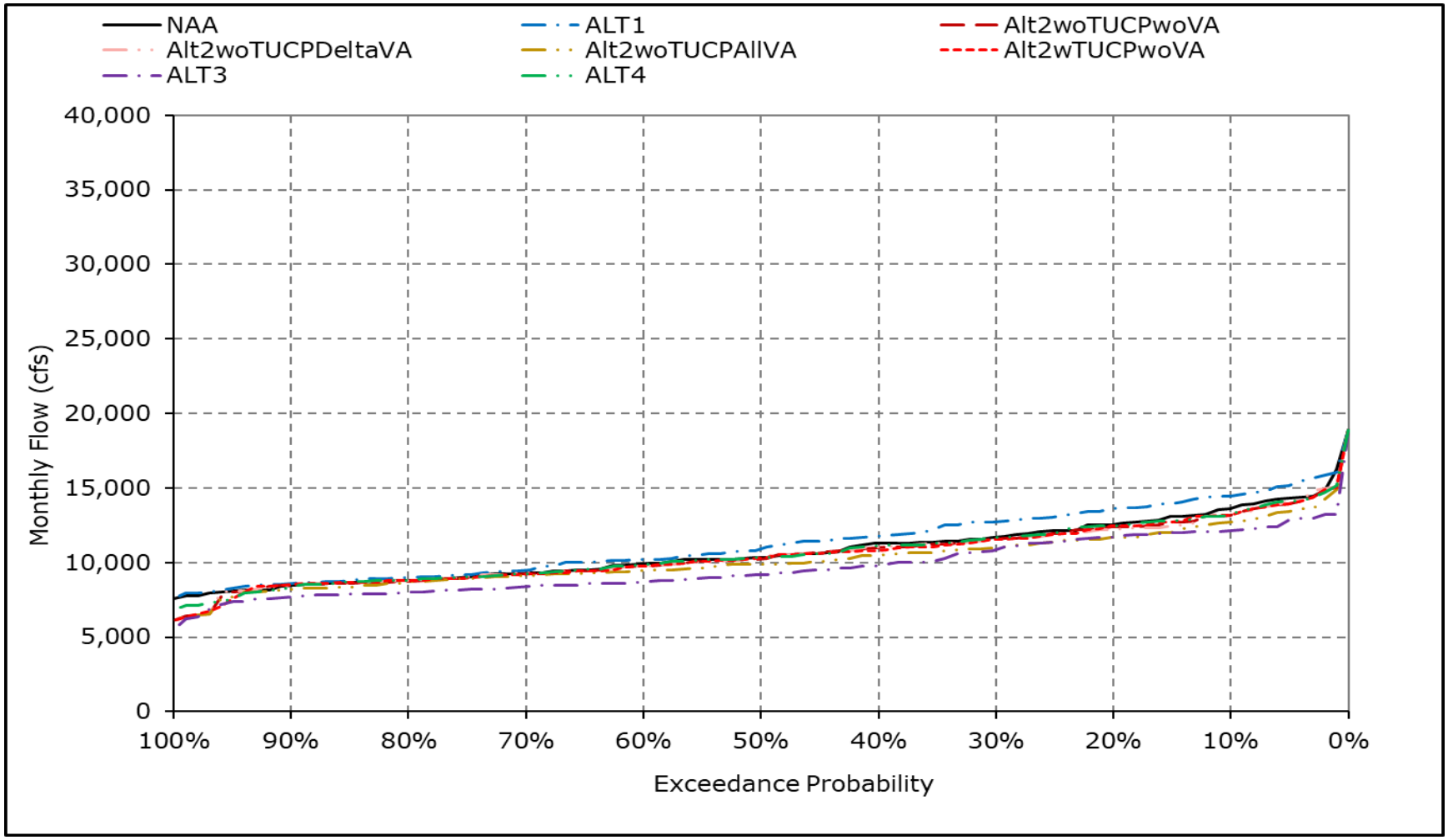
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-13. Sacramento Flow River at Bend Bridge, April



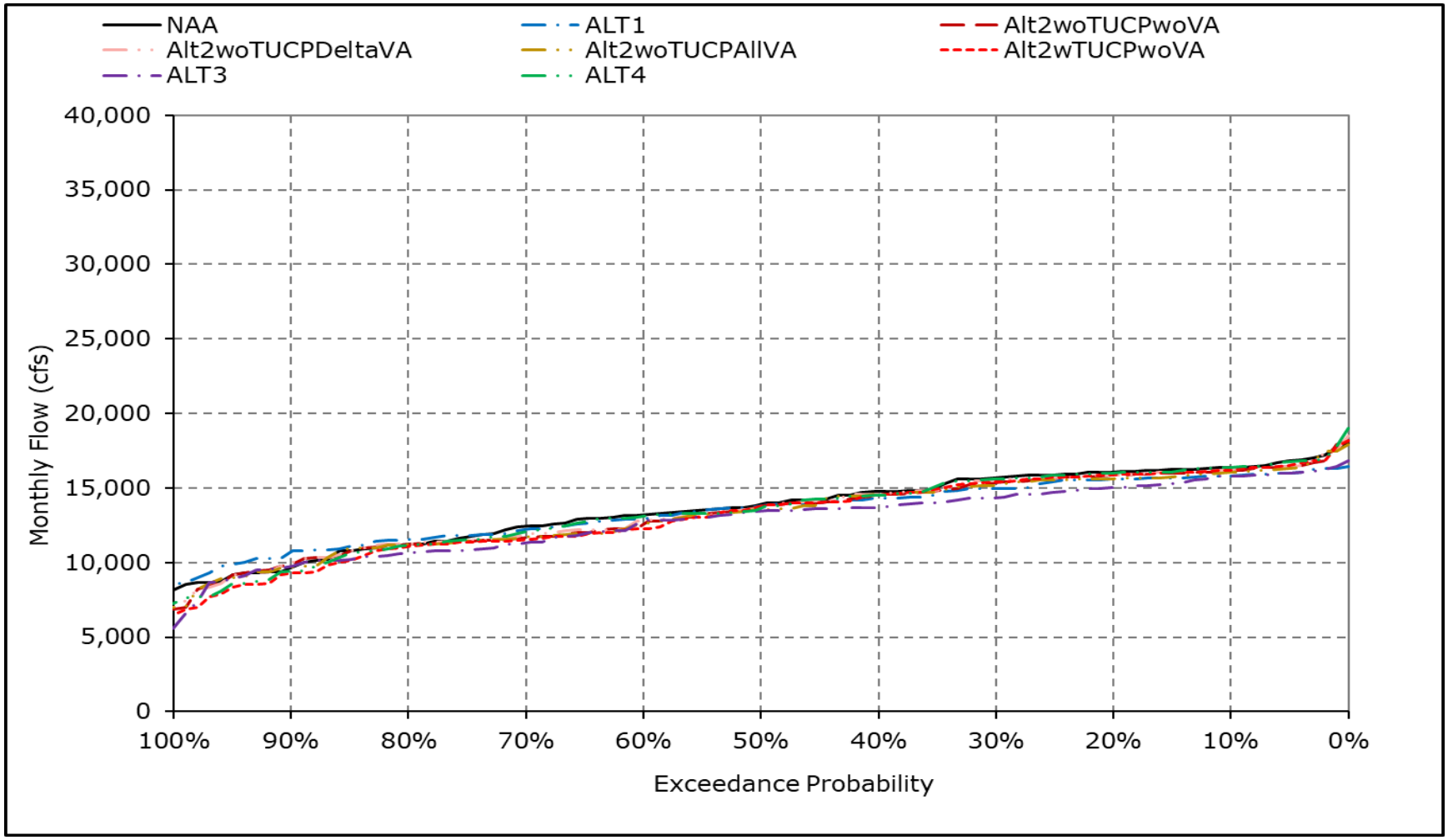
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-14. Sacramento Flow River at Bend Bridge, May



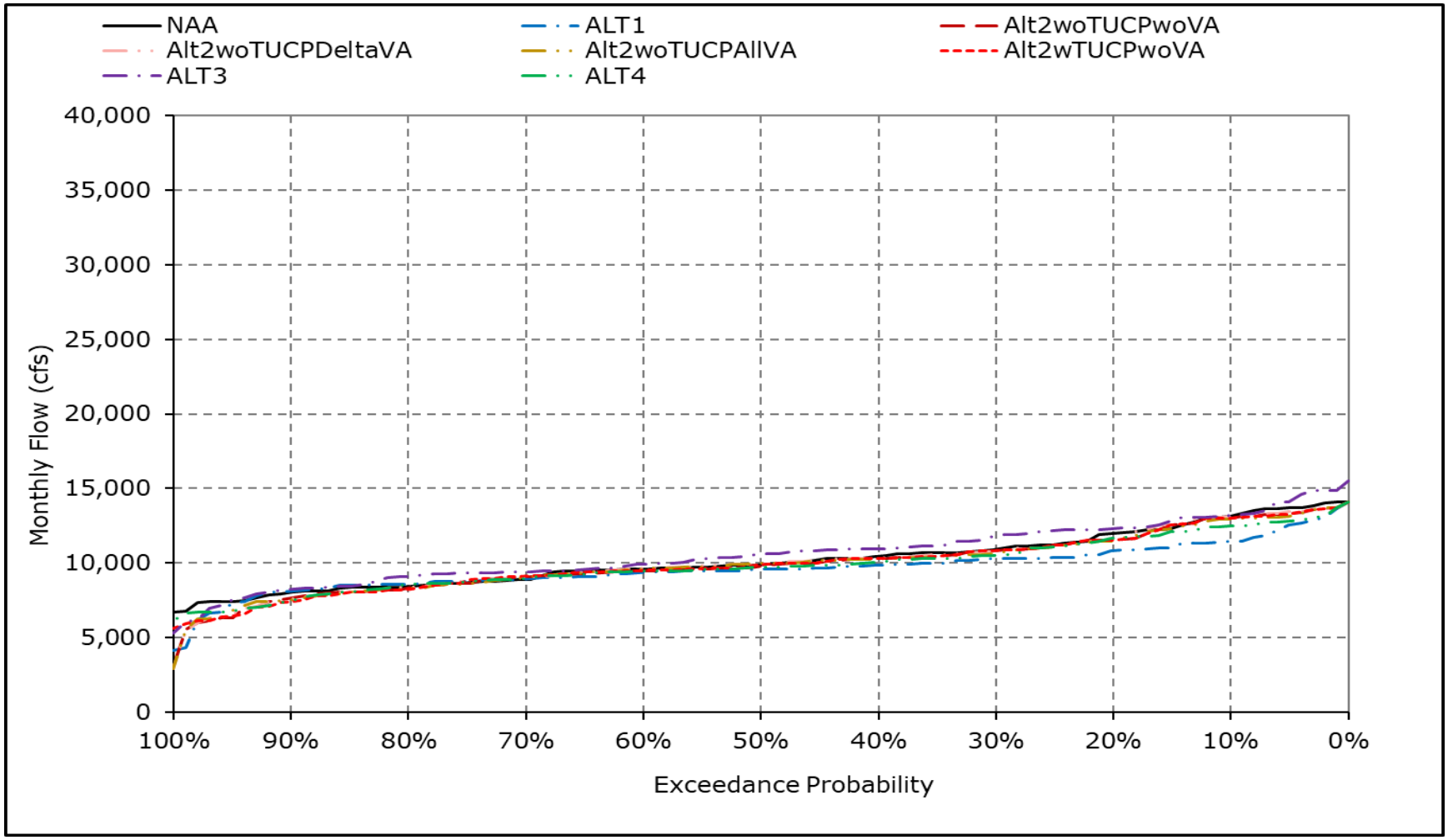
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-15. Sacramento Flow River at Bend Bridge, June



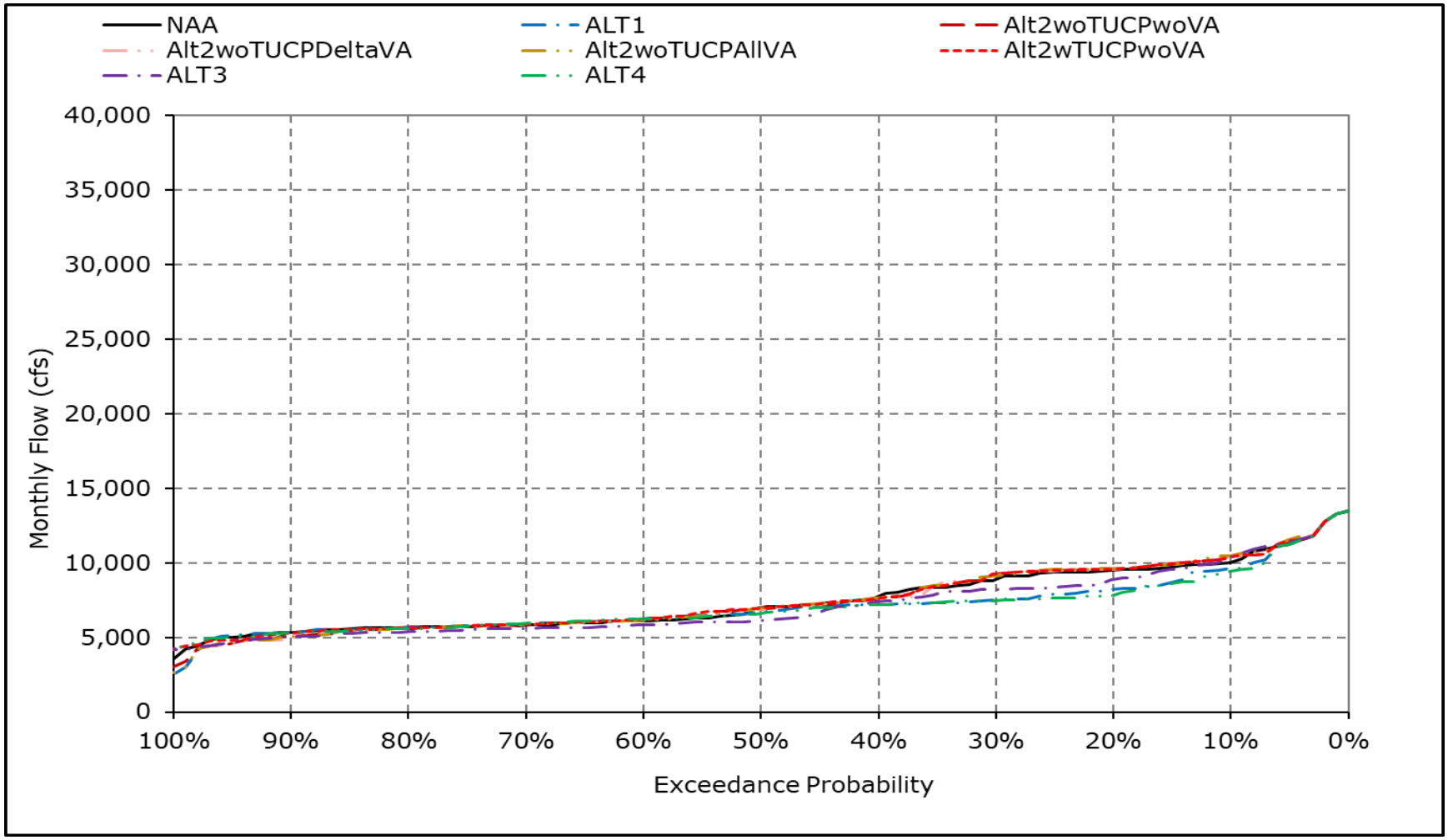
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-16. Sacramento Flow River at Bend Bridge, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-17. Sacramento Flow River at Bend Bridge, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-18. Sacramento Flow River at Bend Bridge, September

Table F.2.2-5-1a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-1b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,201	9,638	28,080	37,980	49,171	27,276	15,588	11,562	13,497	14,714	10,443	9,003
20% Exceedance	8,240	7,923	19,171	24,894	31,146	20,958	11,234	10,582	12,650	14,522	9,790	7,618
30% Exceedance	7,319	6,919	11,929	16,338	18,793	14,257	9,045	9,405	11,975	13,939	9,197	6,904
40% Exceedance	6,383	6,552	8,745	12,051	12,855	10,462	8,469	8,901	10,946	13,322	8,895	6,650
50% Exceedance	6,122	6,317	7,483	8,449	10,441	8,479	7,830	8,436	10,249	12,789	8,644	6,237
60% Exceedance	5,793	6,168	6,706	6,970	8,064	7,494	7,064	7,962	9,190	12,169	8,390	5,784
70% Exceedance	5,465	5,820	5,650	6,173	7,437	6,809	6,480	7,804	8,691	11,387	8,158	5,650
80% Exceedance	5,223	5,506	5,347	5,672	6,598	5,950	5,145	7,413	8,102	10,569	7,779	5,403
90% Exceedance	4,800	5,171	4,874	4,911	5,646	5,344	4,878	6,939	7,822	10,036	7,397	5,201
Full Simulation Period Average[a]	6,614	7,182	12,549	15,522	19,670	14,233	9,443	9,164	10,483	12,519	8,747	6,680
Wet Water Years (28%)	8,227	8,413	13,974	30,076	37,036	25,270	14,728	9,661	9,767	12,616	9,226	8,520
Above Normal Water Years (14%)	7,011	7,949	12,133	19,527	26,667	17,486	8,767	9,504	11,251	13,946	8,988	6,765
Below Normal Water Years (18%)	6,521	6,831	13,731	10,568	10,706	9,570	7,782	10,150	11,293	12,920	9,210	6,420
Dry Water Years (24%)	5,777	6,709	13,689	6,274	10,560	8,426	7,514	8,494	10,871	12,222	8,698	5,750
Critical Water Years (16%)	4,660	5,295	7,064	5,991	6,905	6,031	5,547	7,891	9,573	11,096	7,252	5,073

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-1c. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	-5	2	2,529	1	-357	-1	183	807	-553	-1,734	-451
20% Exceedance	-60	-449	2,199	1,910	2	200	-171	522	965	-487	-1,089	-1,297
30% Exceedance	-188	-840	-25	-99	-48	-22	-396	210	1,173	-646	-801	-1,436
40% Exceedance	-376	-620	-145	291	-158	-88	443	67	613	-243	-573	-473
50% Exceedance	23	-393	-8	-123	-246	-115	343	12	847	-223	-208	-171
60% Exceedance	105	-220	185	-69	-254	-374	210	6	267	-264	-222	-7
70% Exceedance	10	-293	-192	-28	102	-246	256	205	383	57	-37	13
80% Exceedance	22	-372	86	-1	-9	-110	-133	21	125	306	-42	-60
90% Exceedance	-63	1	232	-94	193	282	219	8	49	530	-25	-14
Full Simulation Period Average[a]	-57	-284	322	144	107	47	59	115	534	-199	-575	-387
Wet Water Years (28%)	-1	-270	273	325	120	-25	-273	266	524	-382	-532	-744
Above Normal Water Years (14%)	-417	-1,089	1,402	342	257	-186	-304	338	1,249	-691	-1,376	-1,842
Below Normal Water Years (18%)	53	-83	-129	164	447	249	84	-98	1,001	-553	-1,060	564
Dry Water Years (24%)	67	-97	195	-101	62	39	203	-188	123	-261	49	73
Critical Water Years (16%)	-132	-47	76	3	-363	162	712	352	18	1,045	-342	-248

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-2a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-2b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,581	10,162	28,077	36,515	49,172	27,261	15,587	11,429	12,356	15,087	12,024	9,745
20% Exceedance	8,347	8,718	17,323	22,563	31,144	20,541	11,401	9,916	11,638	14,798	10,571	9,035
30% Exceedance	7,737	7,876	11,946	16,383	18,818	14,268	9,067	9,244	10,739	14,219	9,927	8,641
40% Exceedance	6,924	7,489	8,936	12,149	13,377	10,564	8,134	8,733	10,225	13,381	9,203	6,962
50% Exceedance	6,131	6,775	7,503	8,804	10,728	8,511	7,675	8,414	9,366	12,844	8,847	6,465
60% Exceedance	5,813	6,499	6,896	7,211	8,298	7,816	7,090	7,915	8,774	11,915	8,522	5,840
70% Exceedance	5,425	6,174	6,003	6,334	7,251	7,074	6,550	7,448	8,298	10,838	8,047	5,627
80% Exceedance	5,193	5,854	5,439	5,771	6,438	6,274	5,795	7,017	8,069	10,261	7,770	5,406
90% Exceedance	4,905	5,223	4,900	5,068	5,490	5,481	5,137	6,232	7,763	9,428	7,392	5,022
Full Simulation Period Average[a]	6,756	7,657	12,432	15,583	19,638	14,230	9,531	8,929	9,801	12,461	9,107	7,084
Wet Water Years (28%)	8,253	8,742	13,880	30,134	37,079	25,299	15,006	9,461	9,207	12,754	9,648	9,253
Above Normal Water Years (14%)	7,807	9,080	10,797	19,160	26,279	17,362	9,073	9,167	10,009	14,474	10,153	8,793
Below Normal Water Years (18%)	6,455	7,264	14,039	10,463	10,366	9,416	7,594	10,201	10,357	12,974	9,971	6,154
Dry Water Years (24%)	5,780	6,833	13,950	6,710	10,666	8,441	7,318	8,438	10,501	12,151	8,745	5,727
Critical Water Years (16%)	4,833	5,999	7,006	6,060	7,196	6,220	5,846	7,098	8,983	10,077	6,817	4,872

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-2c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	381	519	-2	1,064	2	-372	-2	50	-333	-181	-154	291
20% Exceedance	47	346	350	-422	0	-217	-4	-144	-47	-212	-308	120
30% Exceedance	230	117	-8	-54	-23	-12	-374	50	-63	-366	-71	301
40% Exceedance	165	317	46	390	364	14	109	-102	-108	-184	-265	-161
50% Exceedance	32	65	13	231	41	-83	188	-10	-36	-168	-5	57
60% Exceedance	124	111	375	172	-20	-52	235	-40	-149	-517	-91	49
70% Exceedance	-30	61	161	133	-84	19	326	-151	-10	-492	-149	-10
80% Exceedance	-8	-24	178	98	-169	215	517	-375	92	-2	-50	-57
90% Exceedance	41	53	258	63	38	419	478	-698	-10	-78	-29	-193
Full Simulation Period Average[a]	84	191	204	206	76	44	146	-119	-148	-257	-215	17
Wet Water Years (28%)	25	59	180	383	164	3	5	65	-37	-244	-109	-11
Above Normal Water Years (14%)	379	42	66	-25	-130	-310	2	1	7	-163	-211	186
Below Normal Water Years (18%)	-14	350	179	59	108	95	-104	-47	64	-499	-299	298
Dry Water Years (24%)	70	27	455	335	168	54	7	-244	-247	-333	96	50
Critical Water Years (16%)	40	657	18	72	-72	351	1,011	-441	-572	26	-778	-448

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-3a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-3b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,490	9,484	28,078	36,301	49,172	27,262	15,586	11,427	12,411	15,114	12,094	9,883
20% Exceedance	8,380	8,780	17,897	22,564	31,142	20,574	11,404	9,892	11,548	14,804	10,675	9,040
30% Exceedance	7,892	7,895	11,943	16,385	18,757	14,276	9,193	9,109	10,785	14,369	9,851	8,554
40% Exceedance	7,136	7,626	8,937	12,149	13,027	10,561	8,386	8,722	10,095	13,475	9,360	6,992
50% Exceedance	6,179	6,766	7,297	8,775	10,209	8,516	7,609	8,446	9,377	12,959	9,062	6,475
60% Exceedance	5,864	6,499	6,771	7,210	8,241	7,857	7,007	7,959	8,766	11,896	8,621	5,853
70% Exceedance	5,426	6,227	5,936	6,272	7,305	7,165	6,565	7,472	8,310	10,881	8,139	5,631
80% Exceedance	5,218	5,929	5,499	5,695	6,441	6,325	5,903	7,112	8,089	10,313	7,759	5,380
90% Exceedance	4,898	5,498	5,001	4,984	5,491	5,509	5,118	6,238	7,770	9,578	7,341	4,978
Full Simulation Period Average[a]	6,795	7,678	12,400	15,446	19,578	14,272	9,529	8,940	9,794	12,535	9,172	7,073
Wet Water Years (28%)	8,255	8,822	13,776	29,900	37,080	25,301	15,006	9,443	9,215	12,767	9,681	9,281
Above Normal Water Years (14%)	7,837	9,234	10,769	19,138	26,337	17,472	9,061	9,198	9,864	14,571	10,194	8,837
Below Normal Water Years (18%)	6,582	7,195	14,080	10,454	10,474	9,419	7,629	10,176	10,351	13,017	10,116	6,090
Dry Water Years (24%)	5,781	6,795	13,921	6,549	10,658	8,400	7,171	8,503	10,530	12,296	8,786	5,697
Critical Water Years (16%)	4,905	5,978	7,013	5,880	6,656	6,441	6,026	7,101	9,014	10,165	6,905	4,834

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-3c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	290	-159	-1	851	3	-372	-2	48	-279	-154	-83	429
20% Exceedance	80	409	925	-421	-2	-184	-2	-168	-136	-206	-204	125
30% Exceedance	386	135	-11	-52	-84	-4	-247	-86	-18	-216	-147	214
40% Exceedance	377	454	47	389	13	11	361	-112	-239	-90	-108	-132
50% Exceedance	80	56	-193	203	-478	-78	123	22	-25	-53	210	67
60% Exceedance	176	111	249	171	-77	-11	152	4	-157	-537	8	62
70% Exceedance	-29	114	94	71	-30	111	341	-128	2	-448	-57	-6
80% Exceedance	16	52	238	22	-166	265	625	-280	111	50	-61	-82
90% Exceedance	35	328	358	-21	38	448	459	-692	-3	72	-81	-237
Full Simulation Period Average[a]	123	211	173	69	15	86	144	-108	-155	-183	-150	6
Wet Water Years (28%)	27	139	75	150	165	6	5	48	-28	-231	-77	16
Above Normal Water Years (14%)	409	196	38	-47	-72	-201	-10	32	-138	-67	-169	229
Below Normal Water Years (18%)	114	281	220	50	215	97	-69	-72	58	-456	-153	234
Dry Water Years (24%)	71	-12	426	174	160	13	-140	-179	-217	-188	137	20
Critical Water Years (16%)	112	635	25	-108	-612	572	1,190	-438	-542	114	-690	-487

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-4a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-4b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,322	10,274	28,078	36,745	49,173	27,266	15,662	11,618	11,946	15,000	11,877	9,957
20% Exceedance	8,271	8,894	18,114	22,566	31,747	20,567	11,723	9,899	11,043	14,534	10,685	9,096
30% Exceedance	7,758	7,891	11,951	16,387	18,755	14,284	9,276	9,208	10,272	14,089	9,830	8,476
40% Exceedance	7,083	7,552	8,936	12,148	13,377	10,553	8,550	8,825	9,576	13,519	9,269	7,000
50% Exceedance	6,117	6,621	7,483	8,825	10,730	8,515	7,852	8,400	8,908	12,818	8,965	6,475
60% Exceedance	5,781	6,451	6,831	7,244	8,298	7,817	7,302	7,857	8,443	11,743	8,615	5,829
70% Exceedance	5,424	6,183	5,936	6,306	7,397	7,075	6,650	7,511	8,196	10,819	8,089	5,616
80% Exceedance	5,149	5,794	5,453	5,786	6,466	6,256	6,182	7,258	7,965	10,276	7,611	5,376
90% Exceedance	4,909	5,427	4,886	5,062	5,491	5,476	5,230	6,481	7,516	9,259	7,201	4,995
Full Simulation Period Average[a]	6,739	7,705	12,453	15,580	19,734	14,196	9,787	8,971	9,426	12,399	9,103	7,096
Wet Water Years (28%)	8,236	8,817	13,783	30,107	37,110	25,302	15,098	9,457	9,130	12,751	9,664	9,297
Above Normal Water Years (14%)	7,732	9,269	10,790	19,199	26,422	17,140	9,751	9,367	9,195	14,382	9,987	8,860
Below Normal Water Years (18%)	6,465	7,246	14,089	10,466	10,506	9,417	8,306	10,330	9,657	12,788	9,928	6,174
Dry Water Years (24%)	5,726	6,940	14,133	6,543	10,808	8,426	7,283	8,221	10,038	12,028	8,631	5,712
Critical Water Years (16%)	4,903	5,841	6,982	6,298	7,246	6,213	5,949	7,368	8,971	10,169	7,128	4,815

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-4c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	122	631	-1	1,294	4	-368	73	239	-744	-268	-300	503
20% Exceedance	-29	522	1,142	-418	603	-191	317	-161	-641	-476	-194	182
30% Exceedance	252	132	-3	-49	-86	5	-165	13	-531	-496	-168	136
40% Exceedance	324	379	47	389	364	3	524	-9	-757	-46	-198	-124
50% Exceedance	19	-89	-8	252	43	-78	366	-24	-494	-194	113	67
60% Exceedance	92	63	310	205	-20	-51	447	-98	-481	-689	3	38
70% Exceedance	-31	70	94	105	62	20	427	-88	-111	-511	-107	-21
80% Exceedance	-53	-83	192	113	-141	197	904	-134	-12	13	-209	-86
90% Exceedance	46	257	244	57	38	415	570	-450	-256	-246	-220	-221
Full Simulation Period Average[a]	68	239	226	203	172	9	403	-78	-523	-319	-219	29
Wet Water Years (28%)	8	134	83	357	195	7	97	61	-114	-247	-93	32
Above Normal Water Years (14%)	304	231	60	14	13	-532	679	201	-807	-256	-377	253
Below Normal Water Years (18%)	-4	332	229	62	247	96	609	82	-635	-685	-342	318
Dry Water Years (24%)	16	133	638	167	309	39	-28	-461	-710	-456	-18	35
Critical Water Years (16%)	110	499	-6	310	-22	344	1,113	-171	-584	118	-466	-505

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-5a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-5b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,603	10,089	28,077	36,294	49,173	28,990	15,589	11,423	12,479	15,100	12,022	9,761
20% Exceedance	8,304	8,716	17,345	26,494	31,145	20,543	11,402	9,736	11,576	14,815	10,569	9,038
30% Exceedance	7,743	7,876	12,042	16,399	18,818	14,267	9,067	9,177	10,625	14,274	9,927	8,642
40% Exceedance	6,965	7,367	8,935	12,149	13,373	10,564	8,133	8,683	10,184	13,380	9,200	7,048
50% Exceedance	6,133	6,714	7,499	8,807	10,727	8,512	7,596	8,342	9,316	12,783	8,851	6,484
60% Exceedance	5,867	6,495	6,862	7,211	8,297	7,817	6,938	7,898	8,721	11,539	8,615	5,845
70% Exceedance	5,482	6,128	6,019	6,307	7,257	7,074	6,382	7,462	8,313	10,595	8,112	5,648
80% Exceedance	5,246	5,881	5,463	5,733	6,437	6,084	5,348	7,016	8,076	10,080	7,653	5,437
90% Exceedance	5,006	5,311	4,998	5,047	5,315	5,093	4,713	6,278	7,753	8,819	7,083	5,123
Full Simulation Period Average[a]	6,814	7,668	12,451	15,616	19,665	14,219	9,398	8,906	9,774	12,317	9,123	7,150
Wet Water Years (28%)	8,254	8,737	13,890	30,139	37,081	25,300	15,006	9,459	9,204	12,754	9,649	9,252
Above Normal Water Years (14%)	7,815	9,069	10,808	19,560	26,341	17,911	9,074	9,169	10,008	14,475	10,178	8,824
Below Normal Water Years (18%)	6,487	7,348	14,041	10,469	10,370	9,418	7,582	10,252	10,363	13,152	10,077	6,217
Dry Water Years (24%)	5,783	6,838	13,932	6,707	10,799	8,433	7,338	8,441	10,499	12,119	8,744	5,728
Critical Water Years (16%)	5,165	5,983	7,133	5,903	7,101	5,679	4,999	6,890	8,818	9,021	6,777	5,191

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-5c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	404	446	-1	843	3	1,357	1	44	-211	-167	-156	308
20% Exceedance	4	345	372	3,510	0	-215	-4	-324	-109	-195	-311	123
30% Exceedance	236	117	88	-38	-23	-12	-374	-18	-177	-311	-71	303
40% Exceedance	206	195	45	390	360	14	107	-152	-150	-186	-267	-75
50% Exceedance	34	4	8	234	41	-82	109	-82	-86	-229	-1	76
60% Exceedance	178	107	341	172	-22	-51	84	-58	-202	-893	2	54
70% Exceedance	27	15	177	106	-78	19	158	-137	5	-734	-84	11
80% Exceedance	45	3	202	60	-170	24	69	-376	99	-183	-168	-26
90% Exceedance	142	141	355	43	-138	32	54	-652	-20	-687	-338	-92
Full Simulation Period Average[a]	142	202	224	239	102	33	14	-143	-175	-401	-199	83
Wet Water Years (28%)	26	54	189	389	165	4	5	63	-39	-244	-108	-12
Above Normal Water Years (14%)	387	31	77	375	-68	239	3	3	6	-162	-186	217
Below Normal Water Years (18%)	19	435	181	65	111	96	-115	4	70	-322	-193	361
Dry Water Years (24%)	73	31	438	331	301	46	28	-241	-248	-364	95	51
Critical Water Years (16%)	373	641	145	-86	-167	-190	163	-649	-737	-1,030	-817	-129

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-6a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-6b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,916	9,803	28,066	37,952	49,181	28,879	15,605	14,402	11,781	14,835	12,252	9,694
20% Exceedance	8,471	7,747	21,775	25,321	31,181	20,351	11,862	12,534	11,037	13,968	11,495	8,280
30% Exceedance	7,626	6,986	13,320	16,435	19,313	14,153	9,216	10,326	10,255	13,381	10,827	7,557
40% Exceedance	6,795	6,669	10,479	12,533	13,312	11,085	7,674	9,080	9,044	12,962	10,075	6,871
50% Exceedance	5,942	6,314	7,183	9,039	10,771	8,804	6,754	8,420	8,299	12,444	9,828	5,750
60% Exceedance	5,614	6,062	6,505	7,433	8,464	7,657	6,224	8,060	8,001	11,790	9,163	5,600
70% Exceedance	5,465	5,802	5,828	6,350	7,534	6,876	5,643	7,655	7,673	10,689	8,426	5,428
80% Exceedance	5,212	5,524	5,040	5,757	6,568	6,116	5,030	7,207	7,293	9,782	8,207	5,202
90% Exceedance	4,998	5,277	4,497	5,129	5,499	5,235	4,411	6,448	6,781	9,179	7,424	4,885
Full Simulation Period Average[a]	6,729	7,398	12,809	15,840	19,755	14,307	9,210	9,724	8,976	12,011	9,795	6,759
Wet Water Years (28%)	8,040	8,201	13,895	30,580	37,391	25,457	15,277	11,893	7,948	12,412	9,310	8,687
Above Normal Water Years (14%)	7,491	8,183	12,042	19,687	26,387	18,015	9,411	11,250	8,233	12,378	10,061	7,802
Below Normal Water Years (18%)	6,413	7,287	14,702	10,593	10,891	9,425	7,098	10,049	9,434	12,384	10,967	6,118
Dry Water Years (24%)	5,886	6,839	13,965	6,593	10,594	8,486	6,501	8,280	10,279	12,630	10,635	5,495
Critical Water Years (16%)	5,247	6,141	7,428	6,454	6,806	5,772	4,856	6,394	8,954	9,639	7,829	5,090

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-6c. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-284	160	-12	2,501	11	1,246	17	3,023	-908	-433	75	240
20% Exceedance	171	-625	4,803	2,337	37	-407	456	2,474	-648	-1,041	616	-634
30% Exceedance	120	-773	1,365	-2	472	-126	-225	1,131	-548	-1,205	830	-782
40% Exceedance	35	-503	1,589	773	298	535	-351	246	-1,290	-603	608	-253
50% Exceedance	-157	-396	-308	466	85	210	-732	-4	-1,103	-567	976	-658
60% Exceedance	-75	-326	-16	394	146	-211	-631	105	-923	-643	551	-191
70% Exceedance	10	-311	-14	149	199	-178	-581	56	-634	-640	230	-209
80% Exceedance	11	-353	-221	84	-39	57	-249	-186	-685	-481	387	-260
90% Exceedance	134	107	-146	124	46	173	-248	-483	-992	-327	2	-330
Full Simulation Period Average[a]	57	-69	582	463	193	120	-174	676	-974	-707	472	-308
Wet Water Years (28%)	-188	-482	195	830	475	161	276	2,498	-1,296	-586	-447	-578
Above Normal Water Years (14%)	63	-855	1,312	502	-23	343	340	2,084	-1,769	-2,259	-302	-805
Below Normal Water Years (18%)	-56	373	842	189	632	103	-600	-198	-858	-1,089	697	262
Dry Water Years (24%)	176	33	470	217	96	99	-810	-402	-469	146	1,986	-182
Critical Water Years (16%)	455	799	440	466	-462	-97	20	-1,145	-601	-412	234	-231

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-7a. Sacramento River below Red Bluff Diversion Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,200	9,643	28,079	35,451	49,170	27,633	15,588	11,379	12,689	15,267	12,177	9,454
20% Exceedance	8,300	8,372	16,972	22,984	31,144	20,758	11,406	10,060	11,685	15,010	10,879	8,915
30% Exceedance	7,507	7,759	11,954	16,436	18,841	14,279	9,441	9,195	10,802	14,585	9,998	8,339
40% Exceedance	6,759	7,172	8,890	11,760	13,013	10,550	8,026	8,834	10,333	13,565	9,468	7,124
50% Exceedance	6,099	6,710	7,491	8,573	10,687	8,594	7,487	8,424	9,402	13,012	8,852	6,408
60% Exceedance	5,689	6,388	6,521	7,039	8,318	7,868	6,855	7,955	8,923	12,432	8,612	5,791
70% Exceedance	5,455	6,113	5,842	6,201	7,335	7,055	6,224	7,599	8,308	11,329	8,196	5,637
80% Exceedance	5,201	5,878	5,261	5,673	6,607	6,059	5,278	7,392	7,978	10,263	7,820	5,462
90% Exceedance	4,863	5,170	4,642	5,005	5,453	5,062	4,659	6,930	7,773	9,506	7,422	5,215
Full Simulation Period Average[a]	6,672	7,466	12,227	15,377	19,563	14,187	9,384	9,049	9,949	12,718	9,322	7,067
Wet Water Years (28%)	8,228	8,683	13,701	29,751	36,916	25,296	15,001	9,396	9,243	12,998	9,757	9,264
Above Normal Water Years (14%)	7,428	9,038	10,730	19,185	26,409	17,672	9,071	9,166	10,002	14,637	10,364	8,607
Below Normal Water Years (18%)	6,469	6,914	13,860	10,404	10,259	9,322	7,698	10,248	10,293	13,473	10,270	5,856
Dry Water Years (24%)	5,710	6,807	13,495	6,375	10,498	8,387	7,311	8,682	10,748	12,483	8,649	5,677
Critical Water Years (16%)	4,793	5,342	6,988	5,988	7,268	5,869	4,836	7,539	9,555	10,051	7,595	5,321

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-7b. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 4, Monthly Flow (cfs)

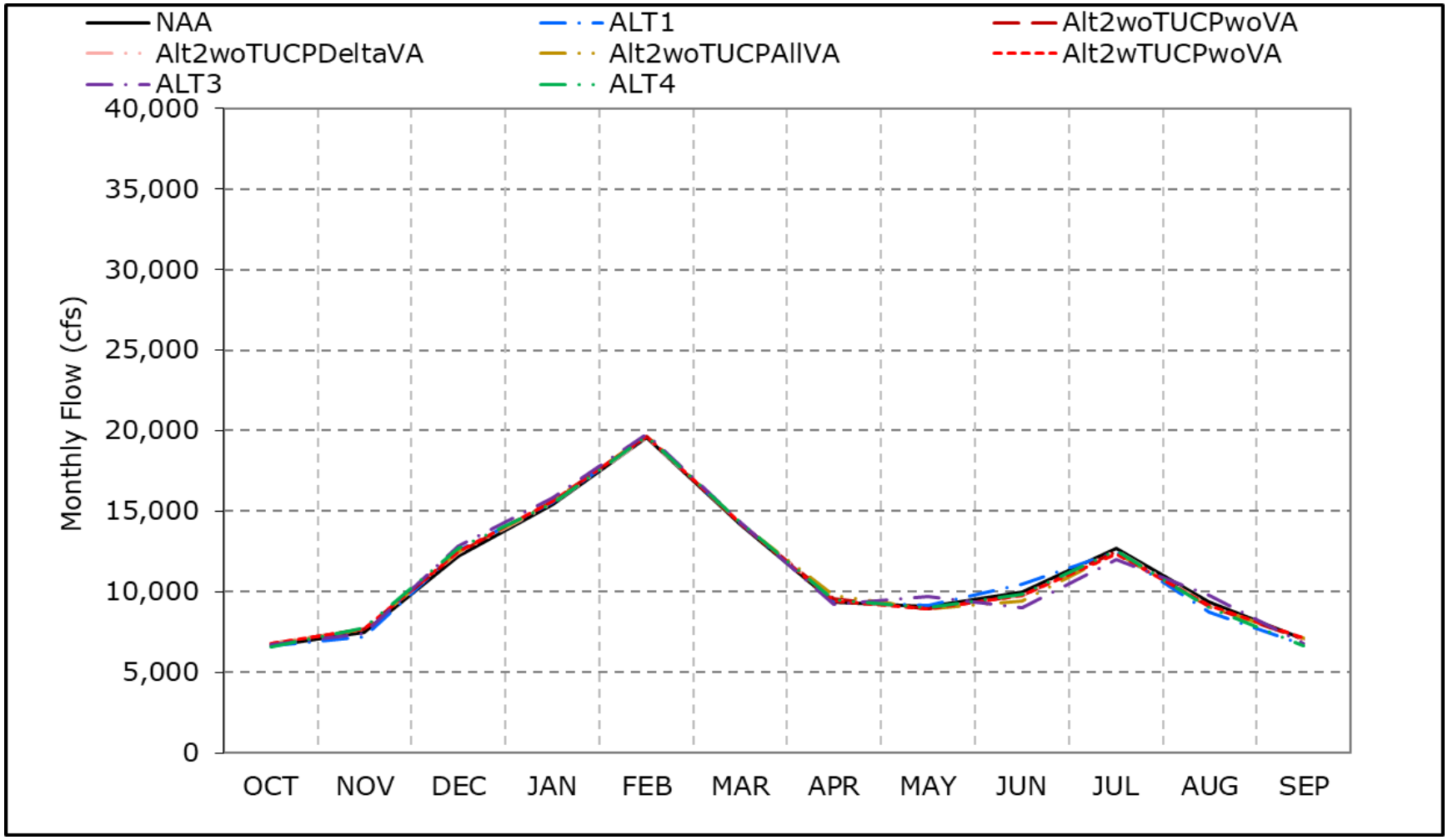
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,878	10,218	28,079	37,971	49,172	28,287	15,586	11,425	12,520	15,251	11,416	8,817
20% Exceedance	7,864	8,343	19,462	22,566	31,146	20,892	11,410	9,905	11,587	14,864	10,542	7,314
30% Exceedance	6,826	7,902	11,924	16,448	19,294	14,258	9,134	9,168	10,684	14,463	9,566	6,878
40% Exceedance	6,283	7,465	10,043	12,149	13,382	11,005	8,372	8,695	10,254	13,456	8,995	6,647
50% Exceedance	6,035	7,106	7,594	8,398	11,060	8,714	7,820	8,442	9,485	12,702	8,739	6,113
60% Exceedance	5,722	6,499	6,800	7,136	8,296	7,860	7,063	7,857	8,806	12,199	8,407	5,840
70% Exceedance	5,487	6,144	6,002	6,282	7,313	7,073	6,262	7,633	8,303	11,051	8,035	5,637
80% Exceedance	5,257	5,860	5,531	5,767	6,422	6,043	5,303	7,135	8,011	10,186	7,703	5,380
90% Exceedance	5,017	5,200	4,970	5,044	5,345	5,098	4,728	6,619	7,707	8,988	7,159	5,156
Full Simulation Period Average[a]	6,557	7,728	12,672	15,495	19,634	14,280	9,462	8,992	9,830	12,526	8,994	6,644
Wet Water Years (28%)	7,909	8,961	14,253	30,158	36,859	25,326	15,033	9,455	9,248	12,906	9,378	8,542
Above Normal Water Years (14%)	6,616	9,137	11,715	18,992	26,343	18,000	9,102	9,192	10,096	14,664	9,600	6,832
Below Normal Water Years (18%)	6,537	7,246	13,944	10,476	10,402	9,477	7,865	10,261	10,339	13,543	10,204	5,926
Dry Water Years (24%)	5,792	6,817	13,965	6,389	10,743	8,531	7,337	8,624	10,559	12,265	8,629	5,789
Critical Water Years (16%)	5,218	6,055	7,080	6,081	7,342	5,725	5,014	7,131	8,952	9,238	6,981	5,246

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-5-7c. Sacramento River below Red Bluff Diversion Dam Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

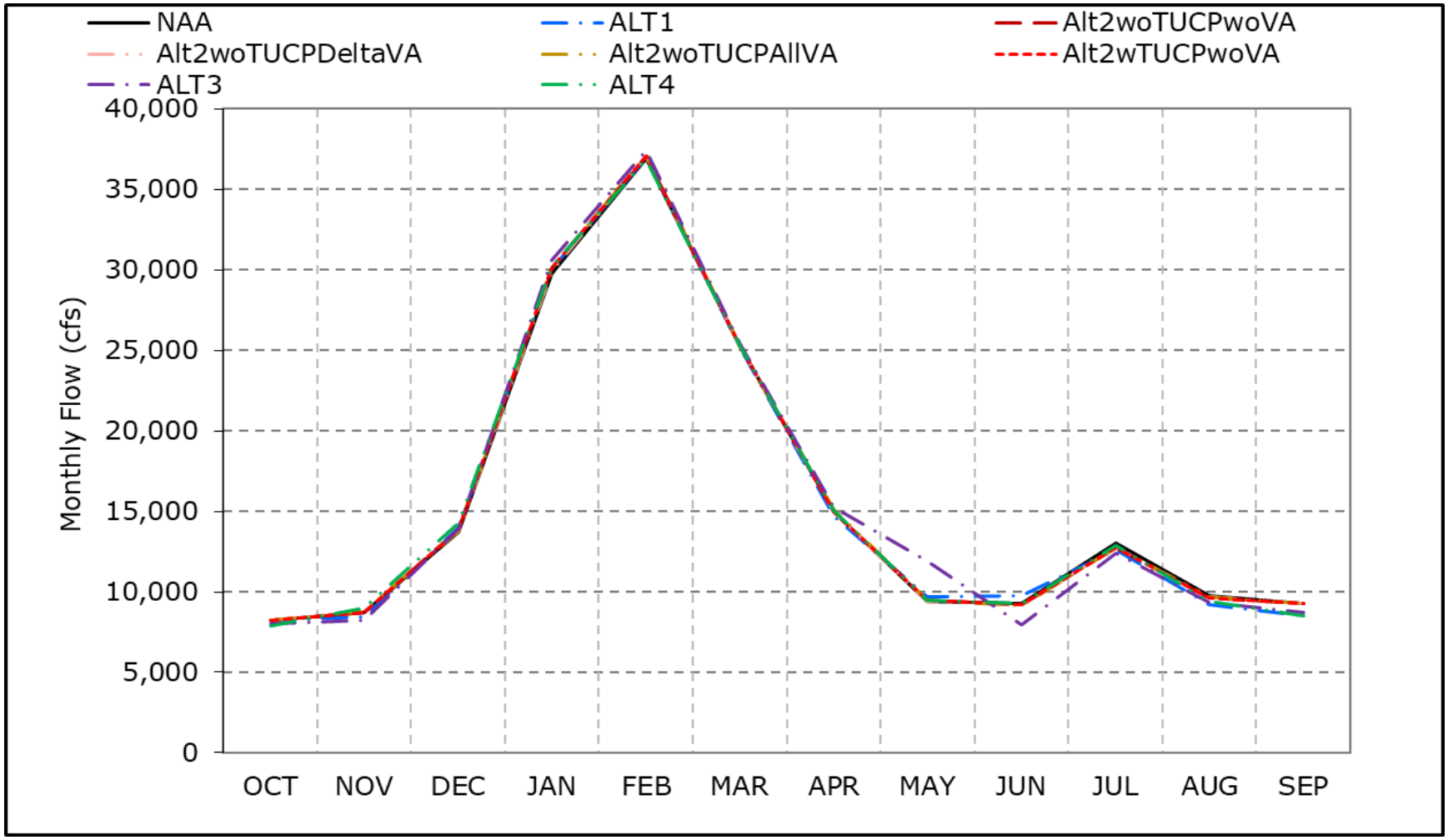
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-321	575	0	2,520	2	653	-3	46	-169	-16	-762	-637
20% Exceedance	-436	-29	2,490	-418	2	134	4	-155	-98	-145	-337	-1,601
30% Exceedance	-680	142	-30	11	453	-21	-307	-27	-119	-122	-432	-1,462
40% Exceedance	-476	293	1,153	390	368	455	346	-139	-80	-109	-473	-477
50% Exceedance	-64	396	103	-174	374	120	334	18	83	-310	-113	-295
60% Exceedance	33	111	278	97	-22	-8	208	-98	-117	-234	-205	49
70% Exceedance	32	31	160	81	-22	18	39	33	-5	-279	-161	0
80% Exceedance	56	-18	270	94	-185	-16	25	-257	34	-78	-117	-82
90% Exceedance	154	30	328	39	-108	37	69	-311	-66	-518	-263	-59
Full Simulation Period Average[a]	-115	262	444	118	71	94	78	-57	-119	-192	-328	-423
Wet Water Years (28%)	-319	278	552	407	-57	30	32	60	5	-92	-379	-723
Above Normal Water Years (14%)	-813	99	985	-193	-66	327	31	26	94	27	-763	-1,775
Below Normal Water Years (18%)	69	333	84	71	143	156	167	13	47	70	-65	70
Dry Water Years (24%)	82	10	470	14	245	144	26	-58	-188	-219	-20	112
Critical Water Years (16%)	426	713	92	93	74	-144	179	-408	-604	-813	-614	-75

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



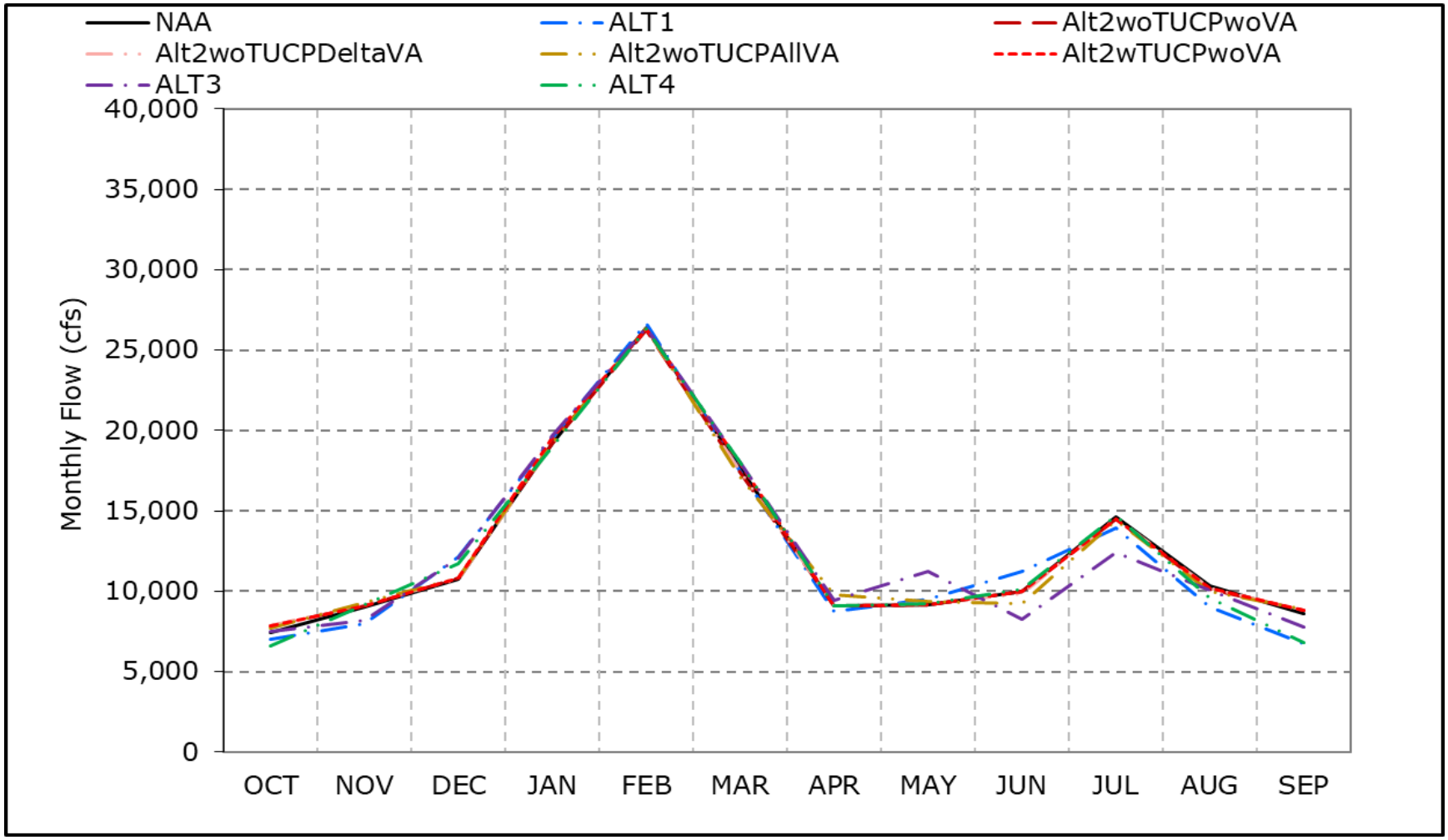
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-1. Sacramento River below Red Bluff Diversion Dam Flow, Long- Term Average Flow



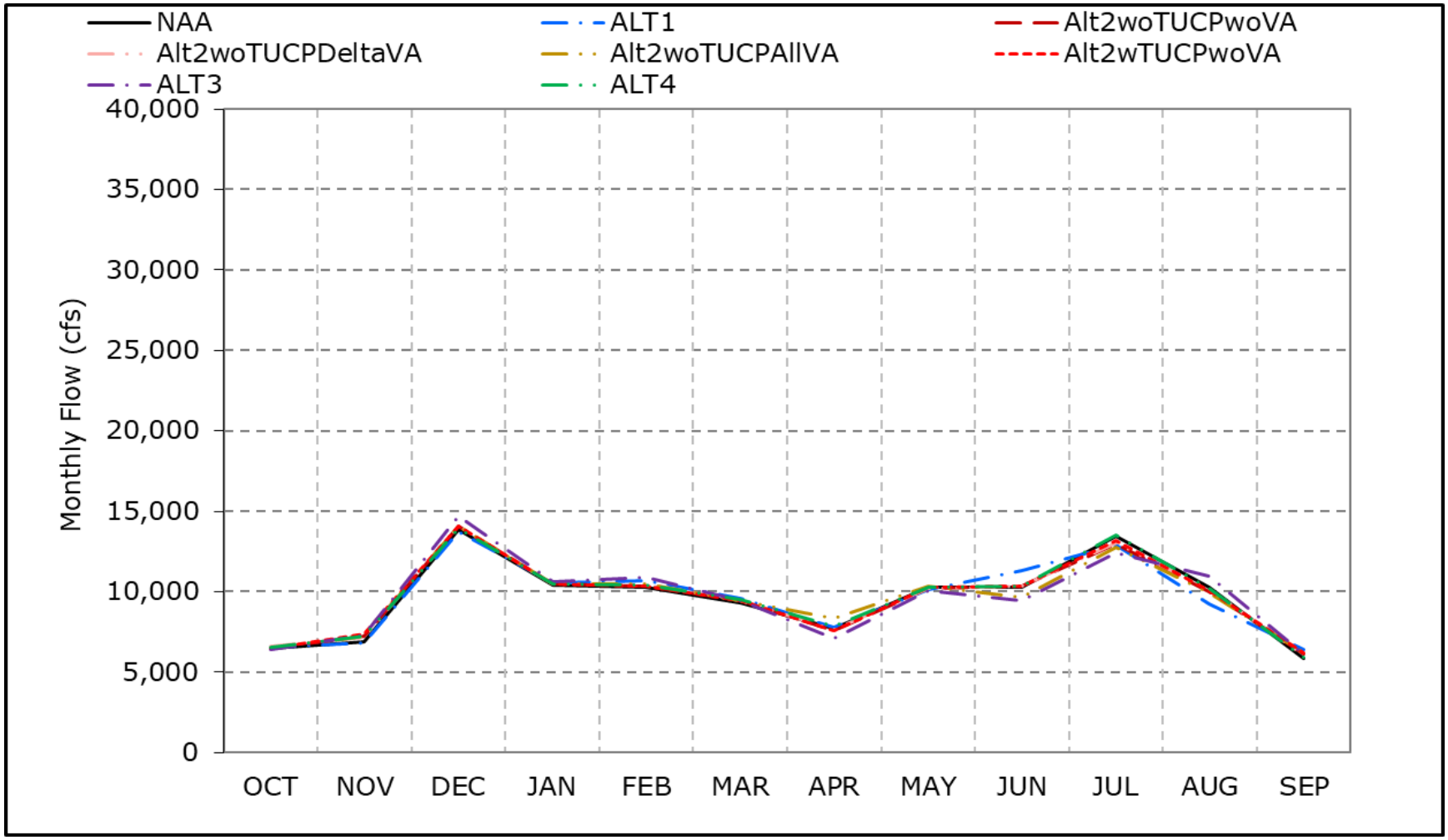
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-2. Sacramento River below Red Bluff Diversion Dam Flow, Wet Year Average Flow



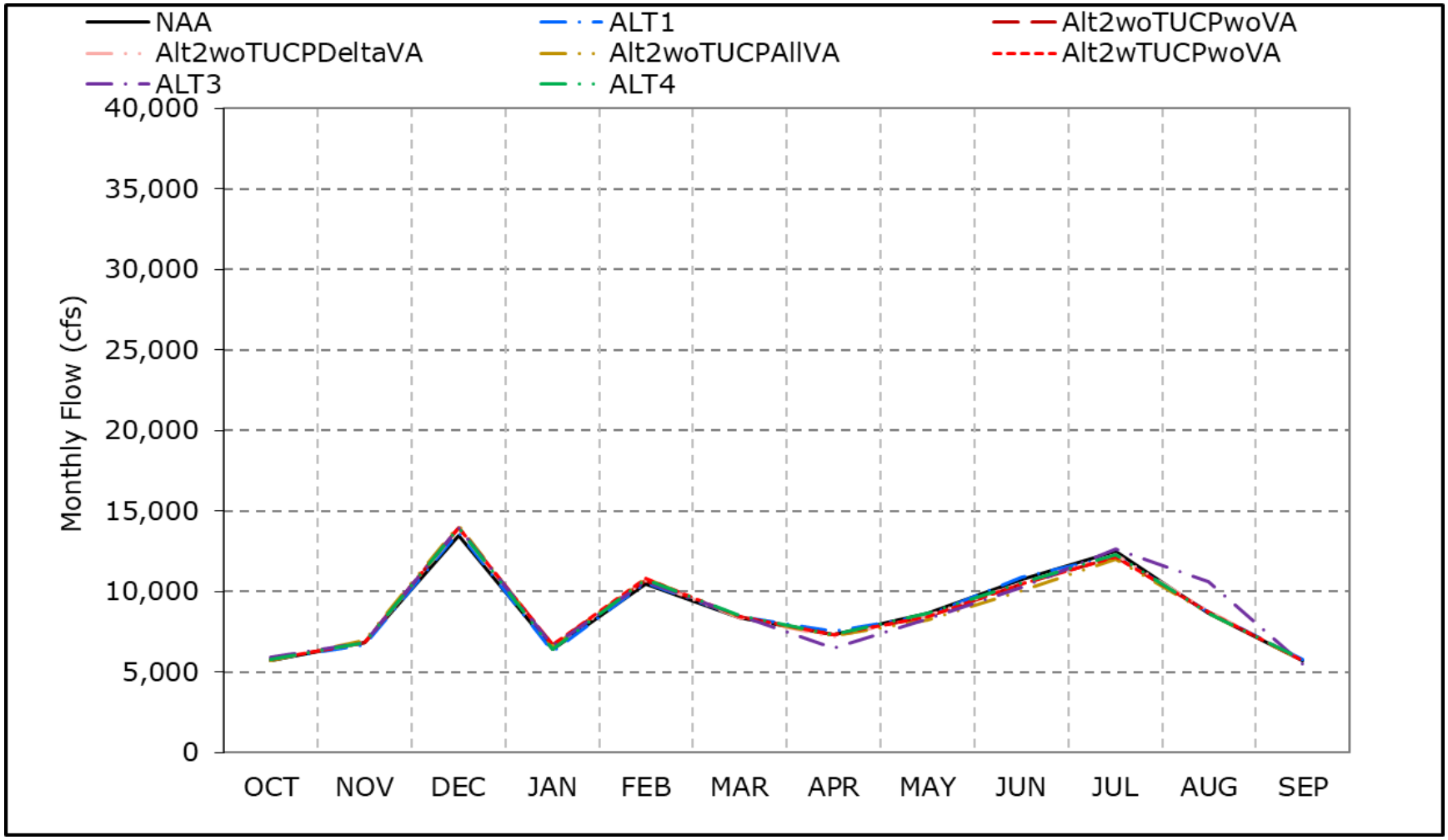
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-3. Sacramento River below Red Bluff Diversion Dam Flow, Above Normal Year Average Flow



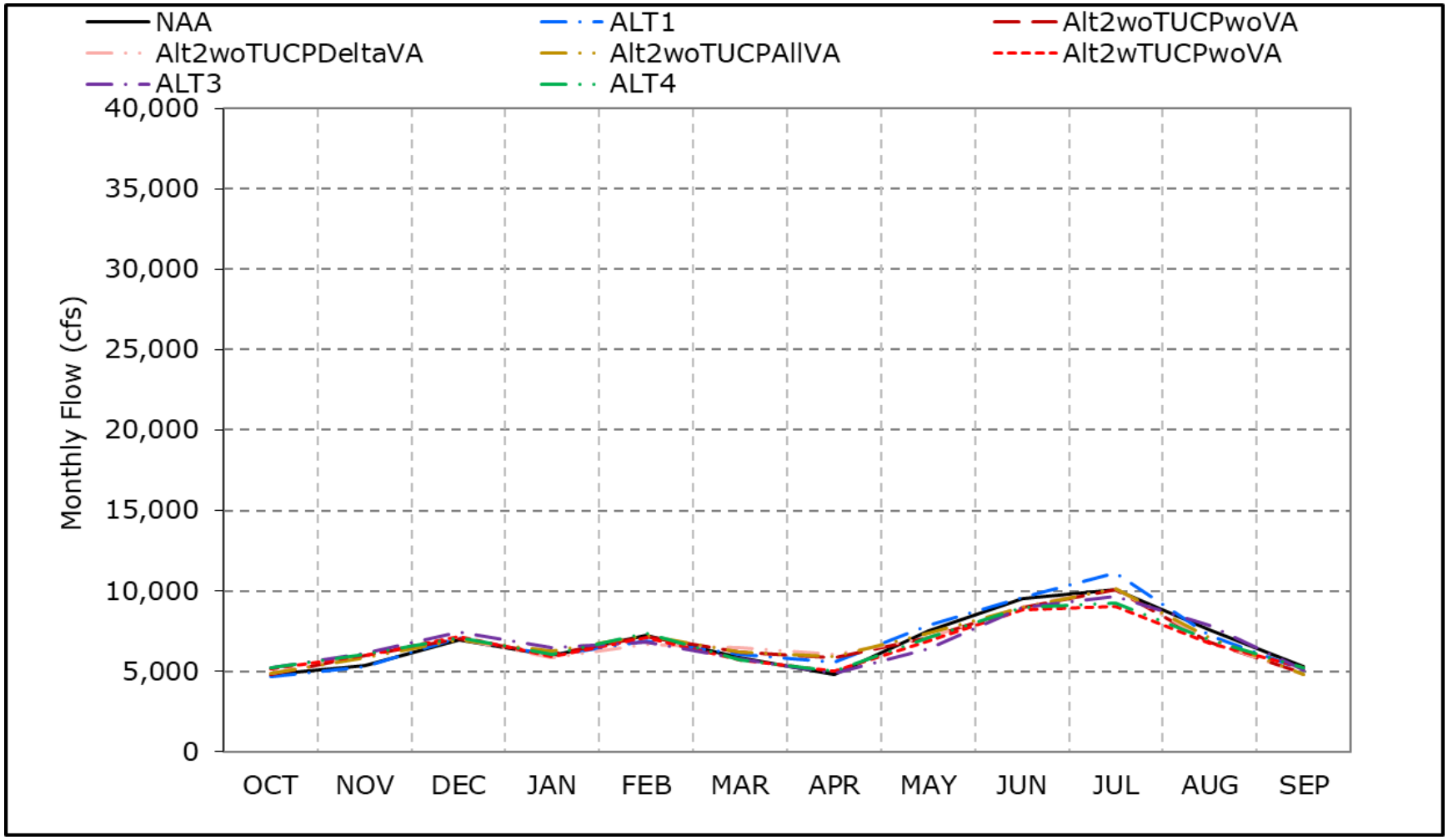
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-4. Sacramento River below Red Bluff Diversion Dam Flow, Below Normal Year Average Flow



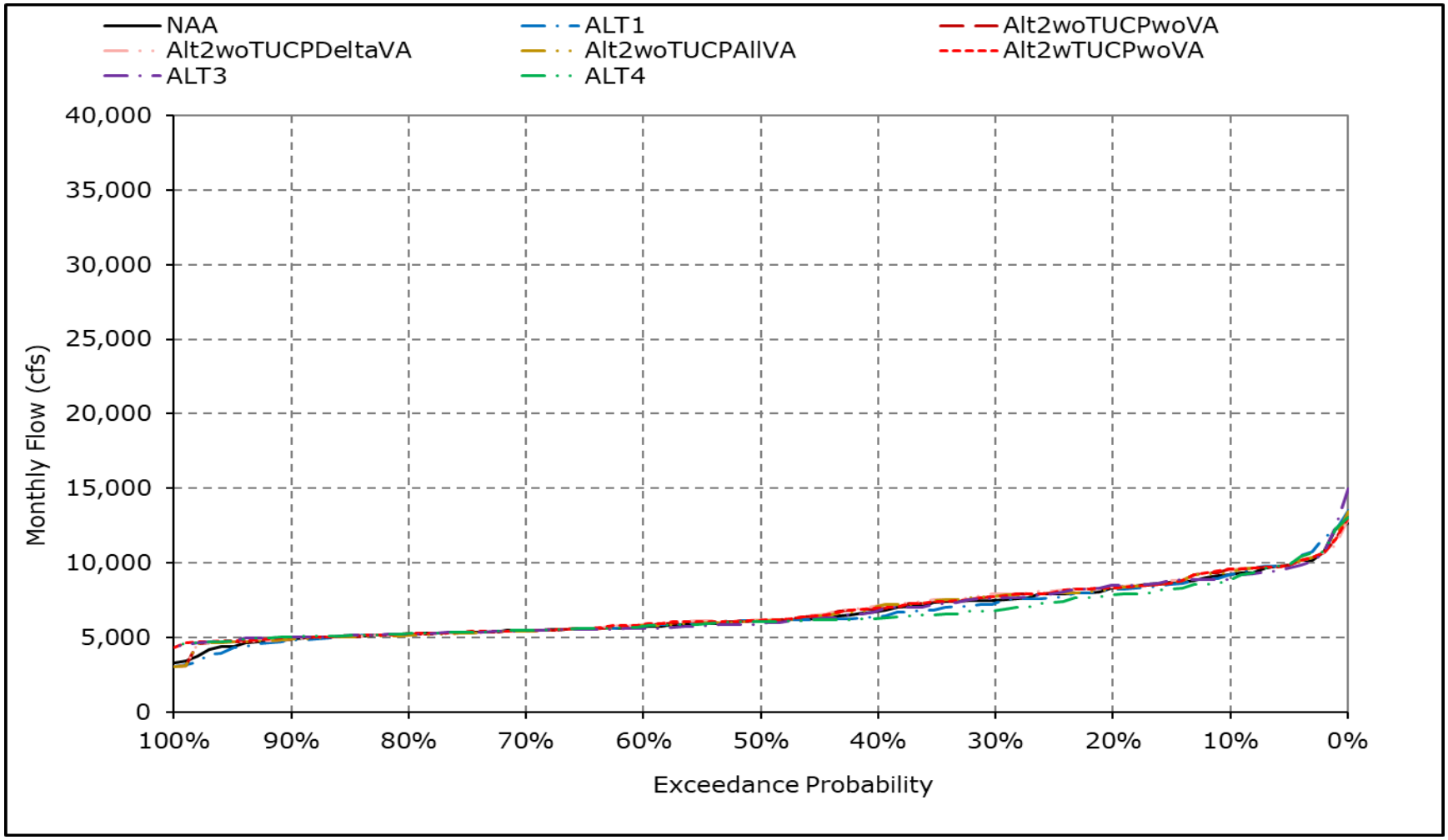
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-5. Sacramento River below Red Bluff Diversion Dam Flow, Dry Year Average Flow



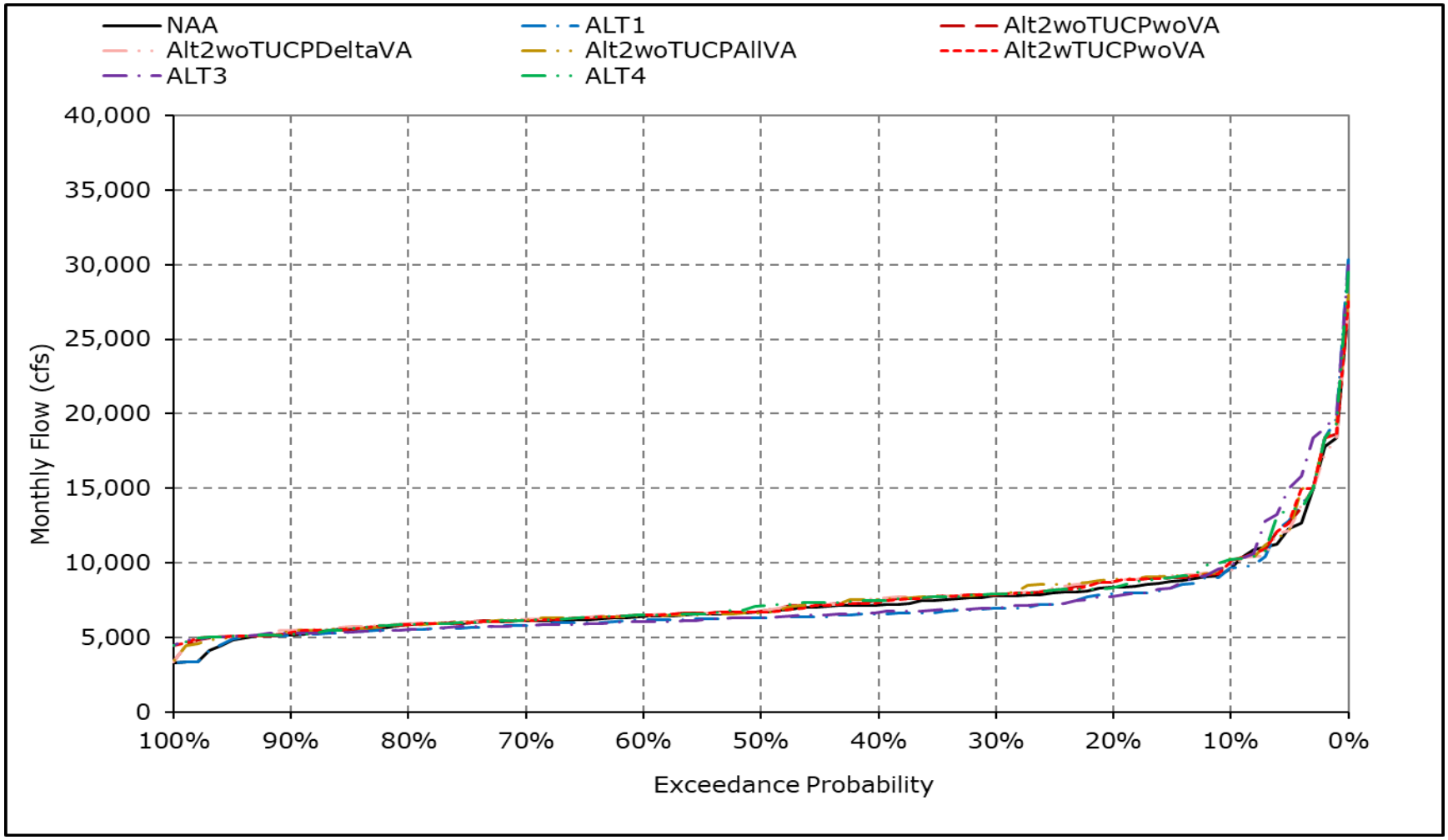
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-6. Sacramento River below Red Bluff Diversion Dam Flow, Critical Year Average Flow



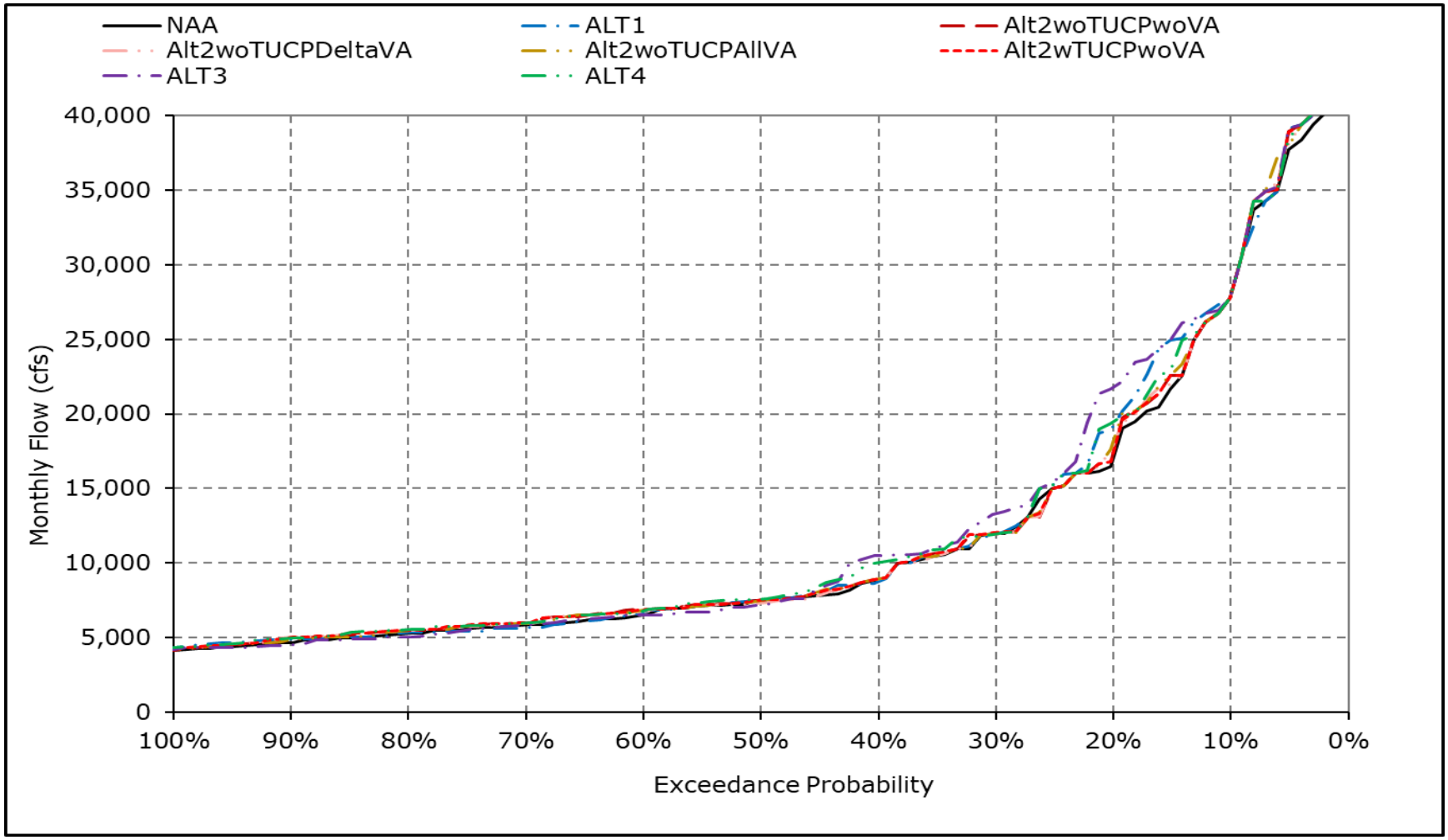
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-7. Sacramento River below Red Bluff Diversion Dam Flow, October



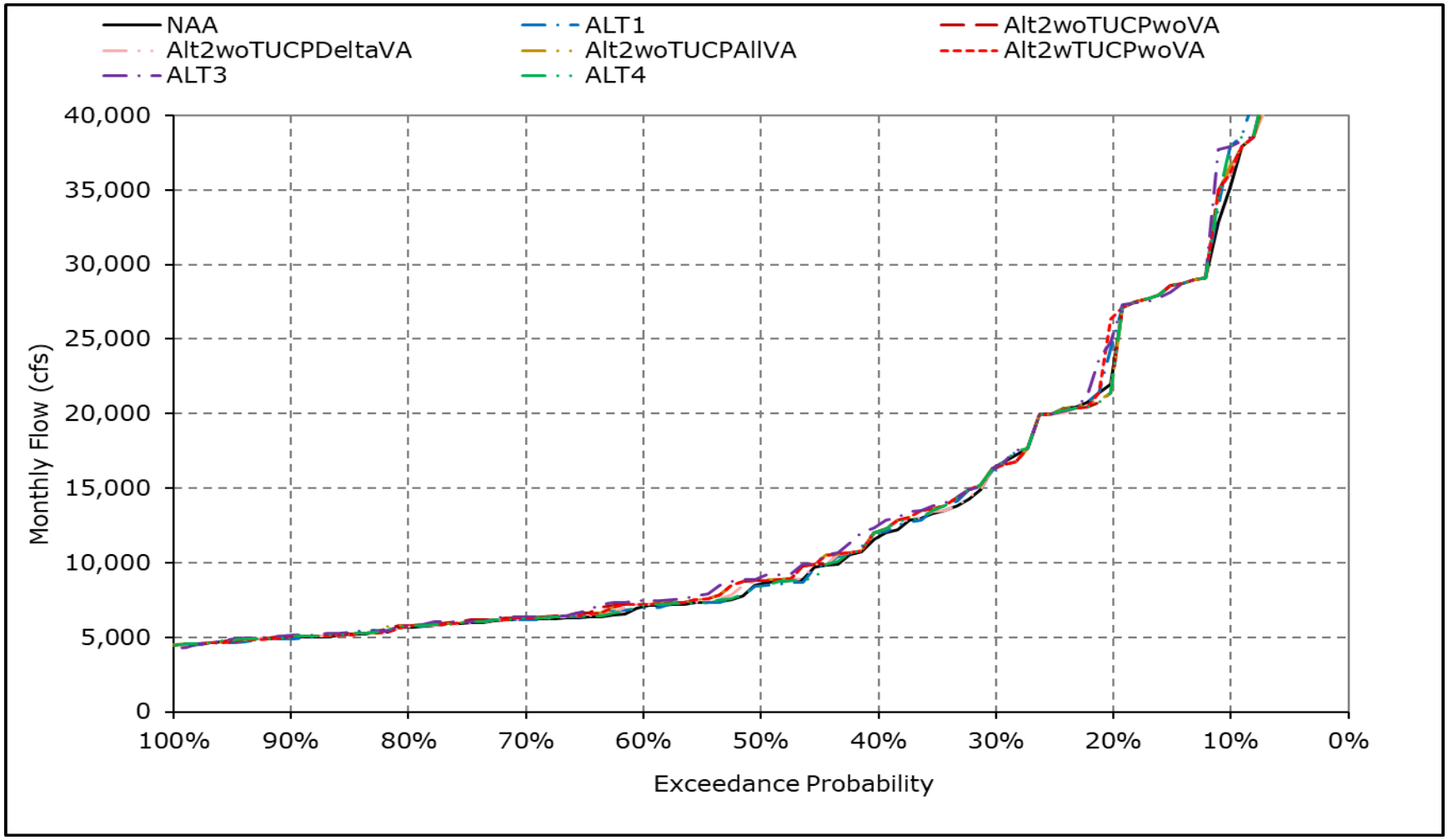
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-8. Sacramento River below Red Bluff Diversion Dam Flow, November



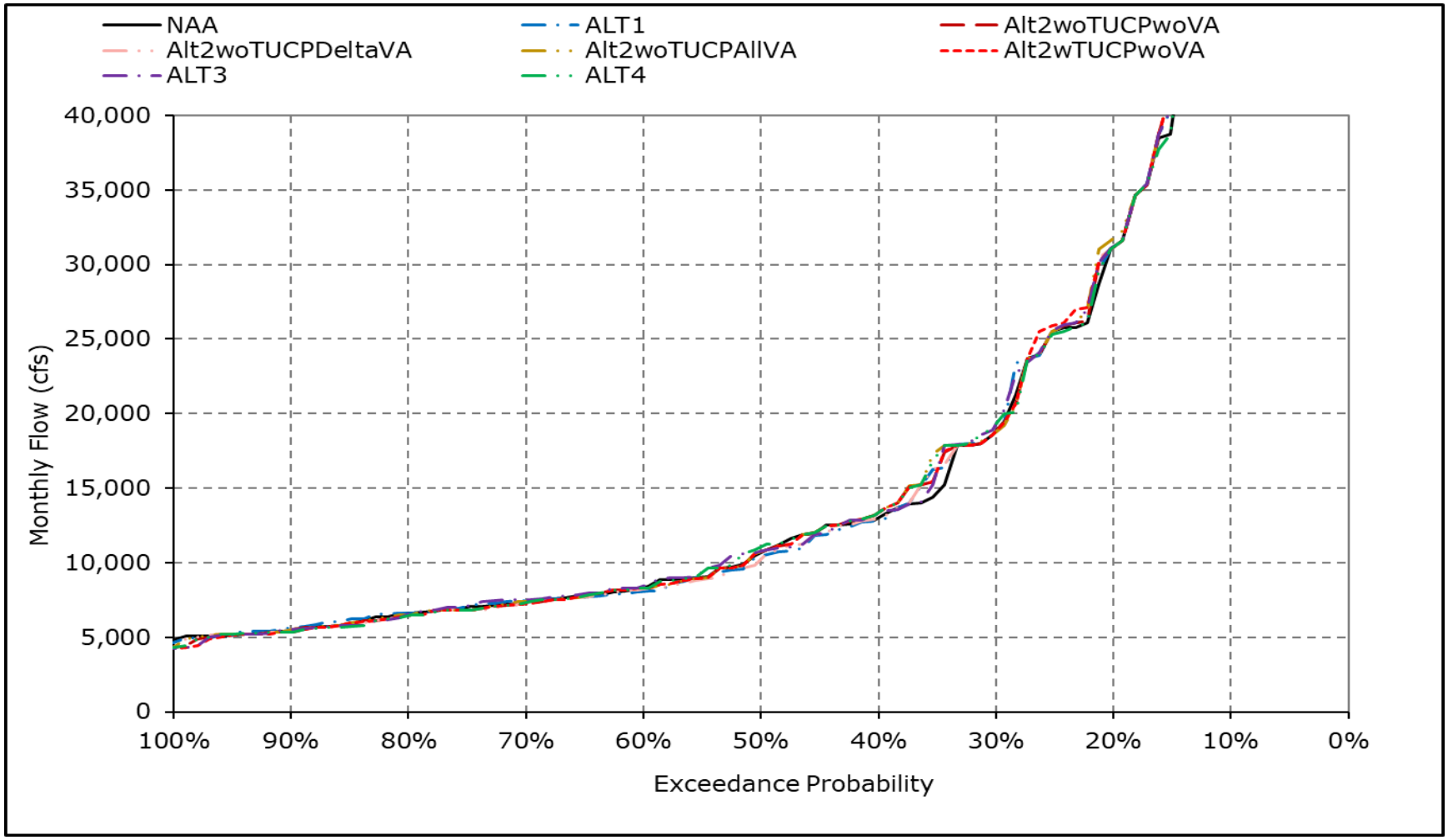
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-9. Sacramento River below Red Bluff Diversion Dam Flow, December



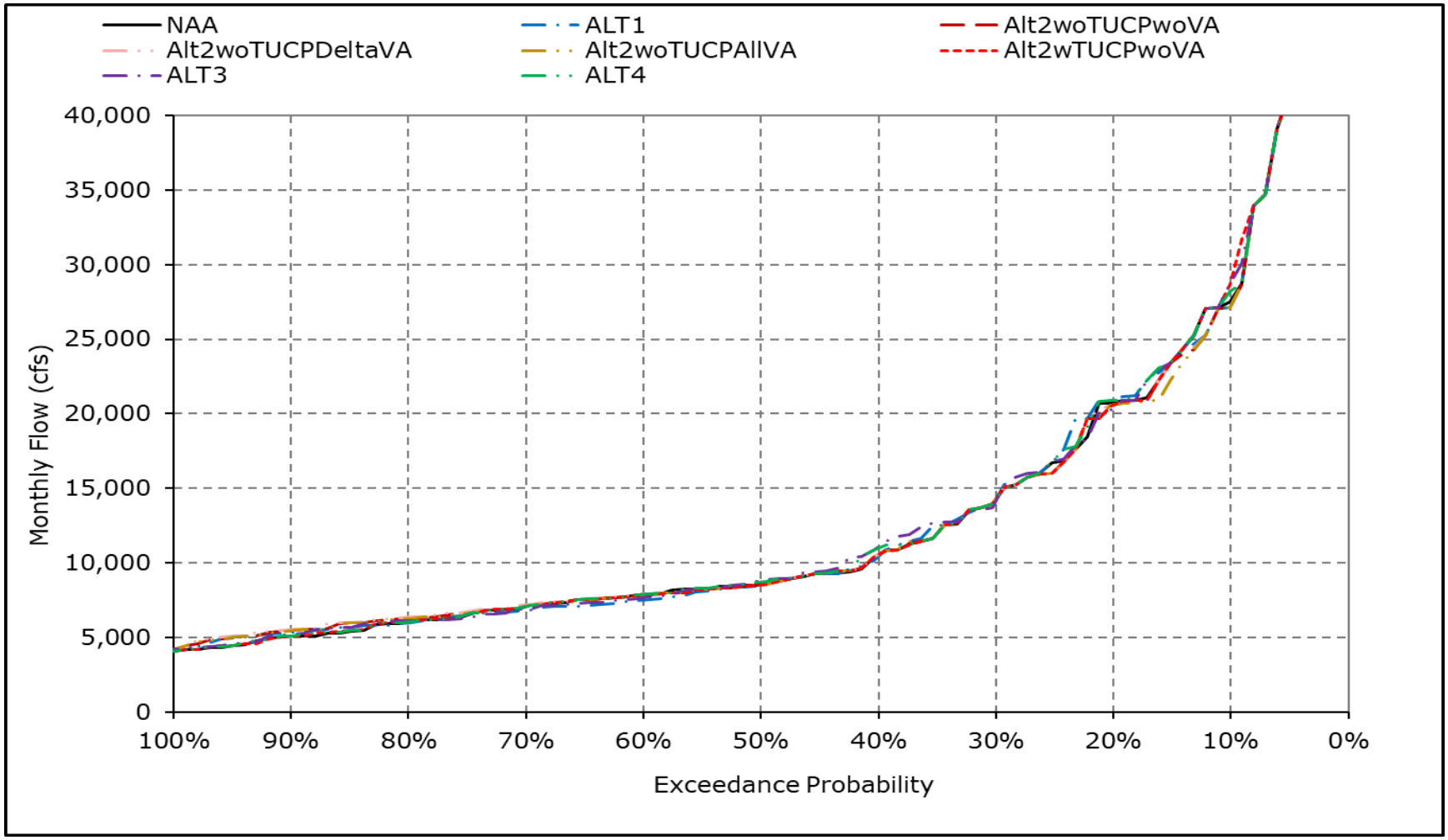
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-10. Sacramento River below Red Bluff Diversion Dam Flow, January



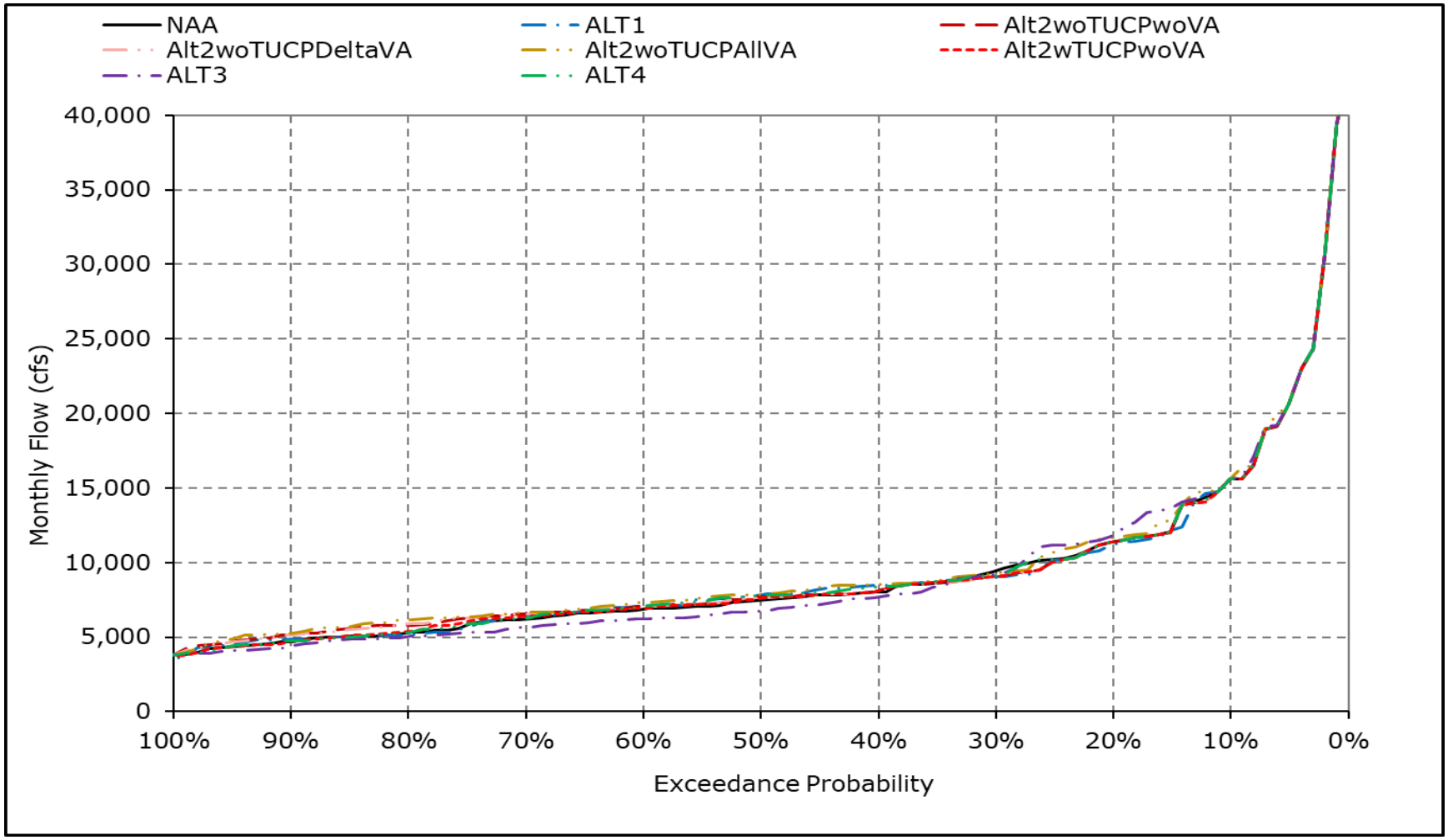
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-11. Sacramento River below Red Bluff Diversion Dam Flow, February



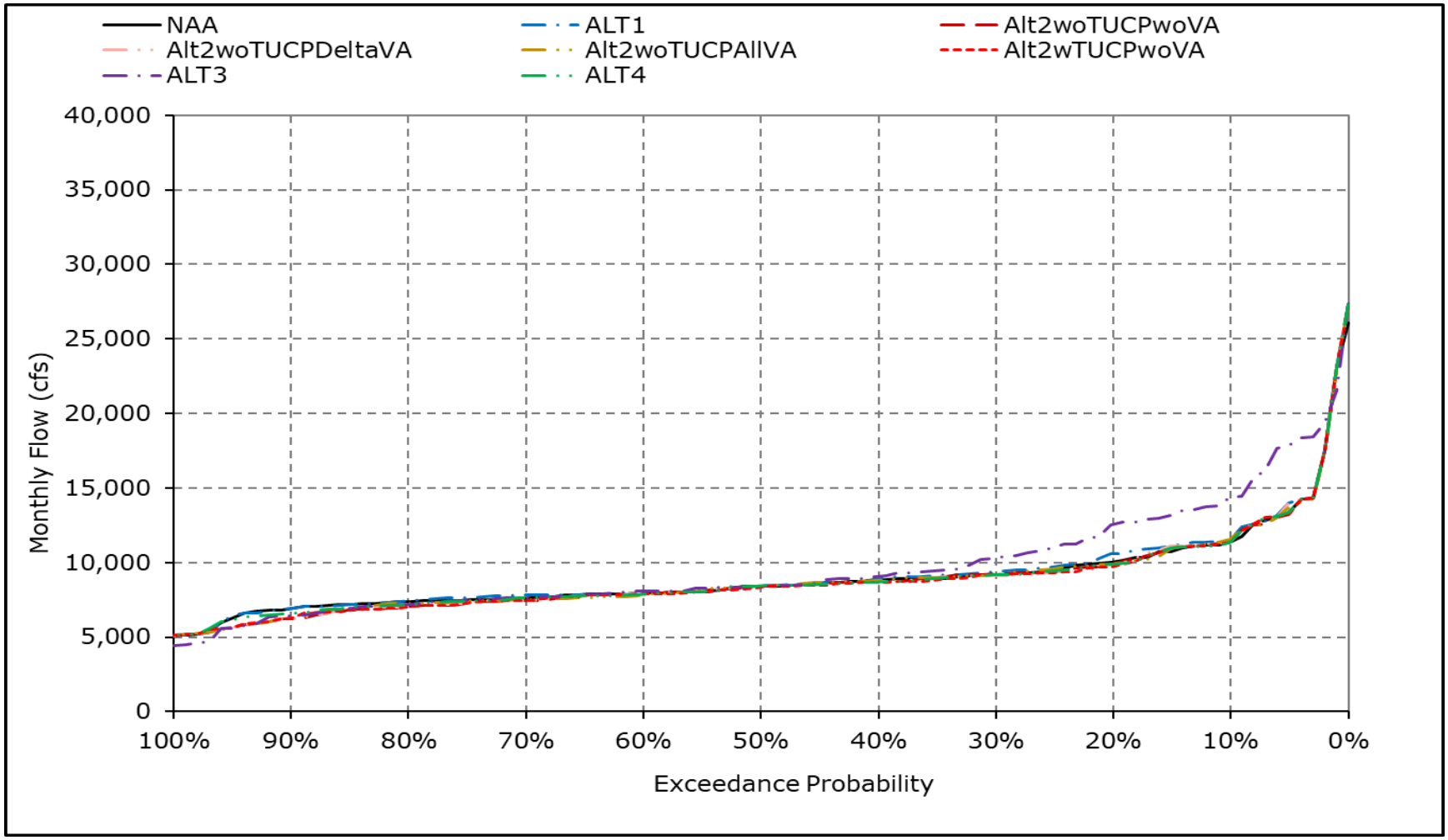
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-12. Sacramento River below Red Bluff Diversion Dam Flow, March



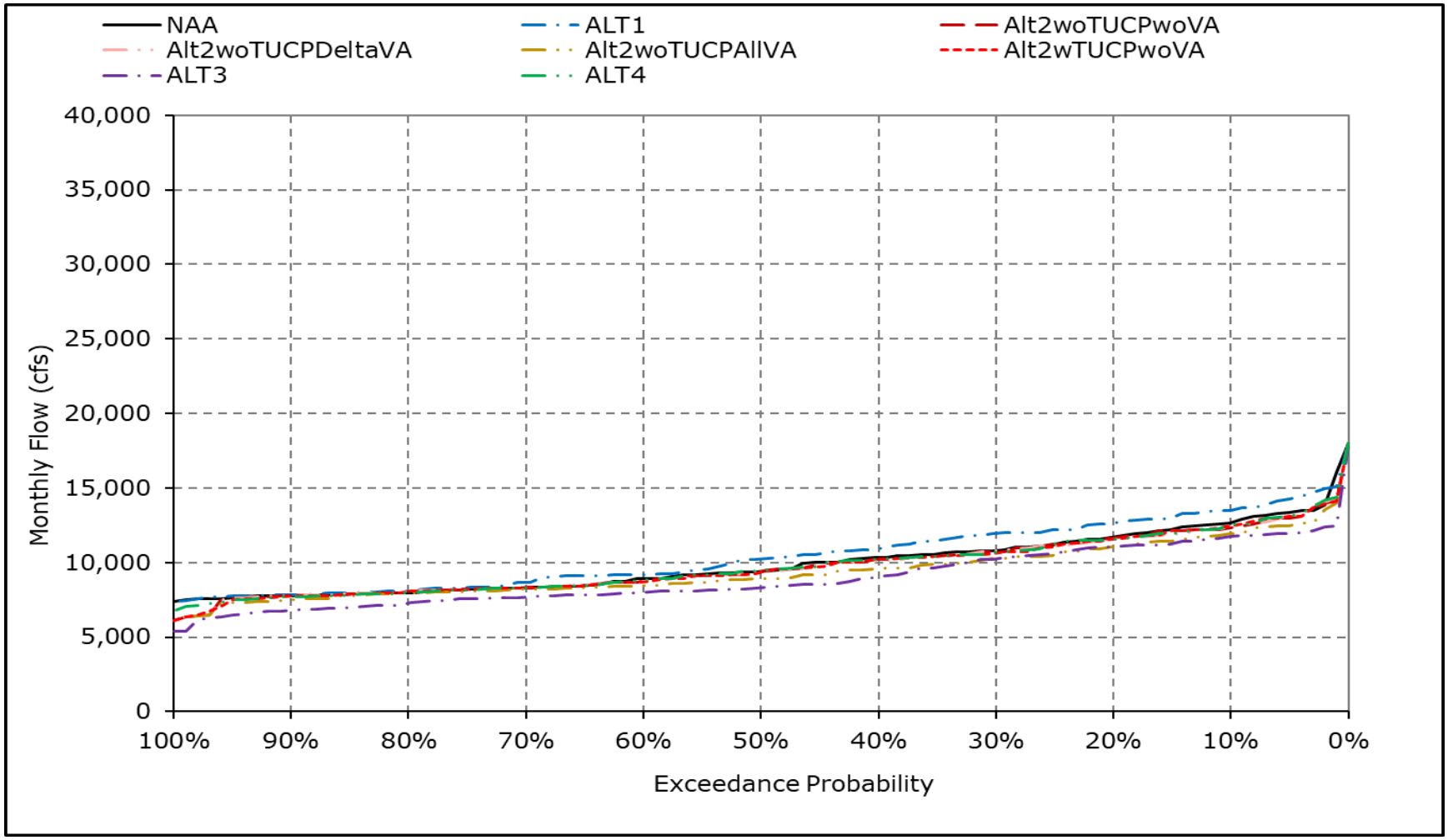
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-13. Sacramento River below Red Bluff Diversion Dam Flow, April



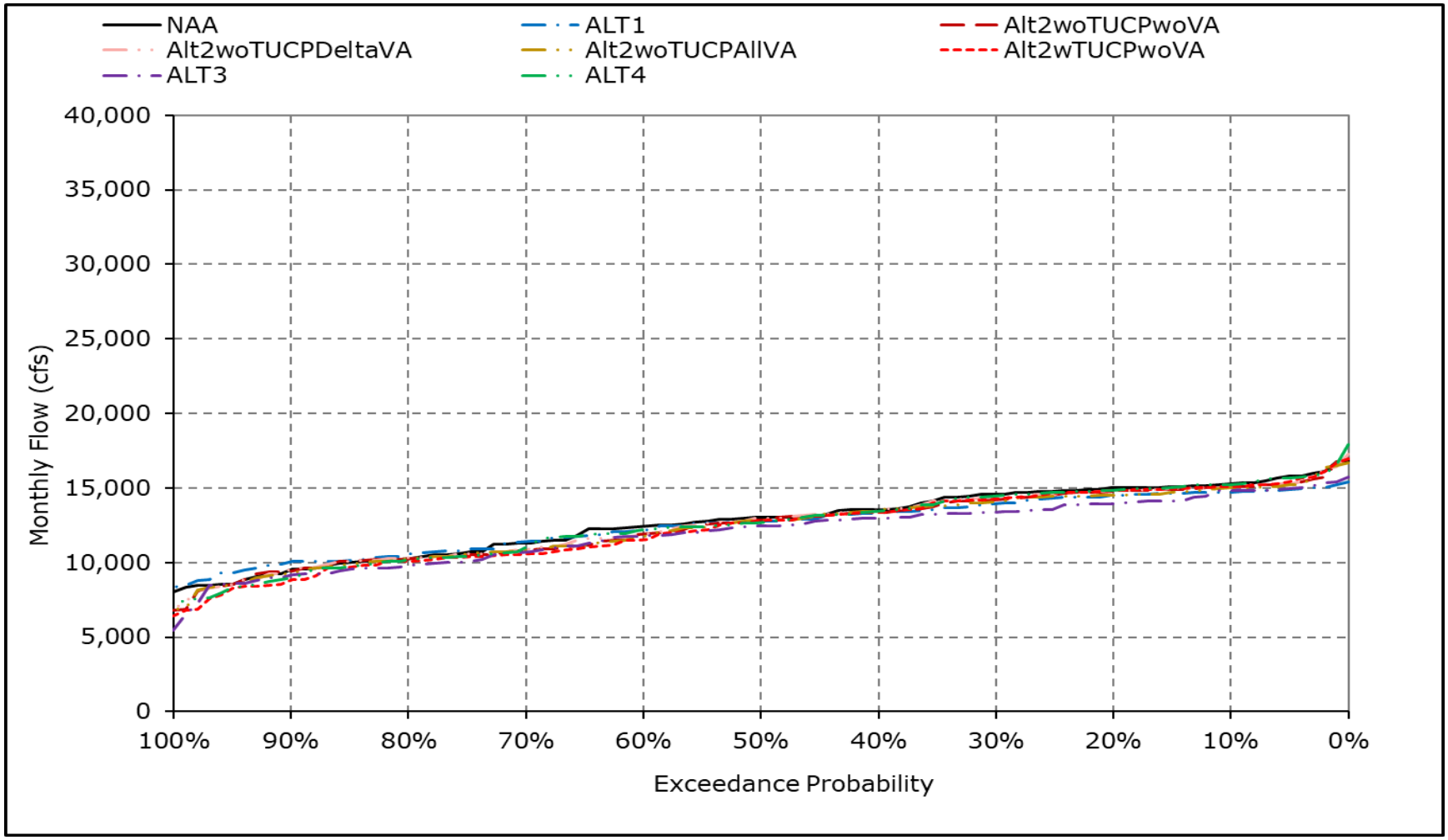
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-14. Sacramento River below Red Bluff Diversion Dam Flow, May



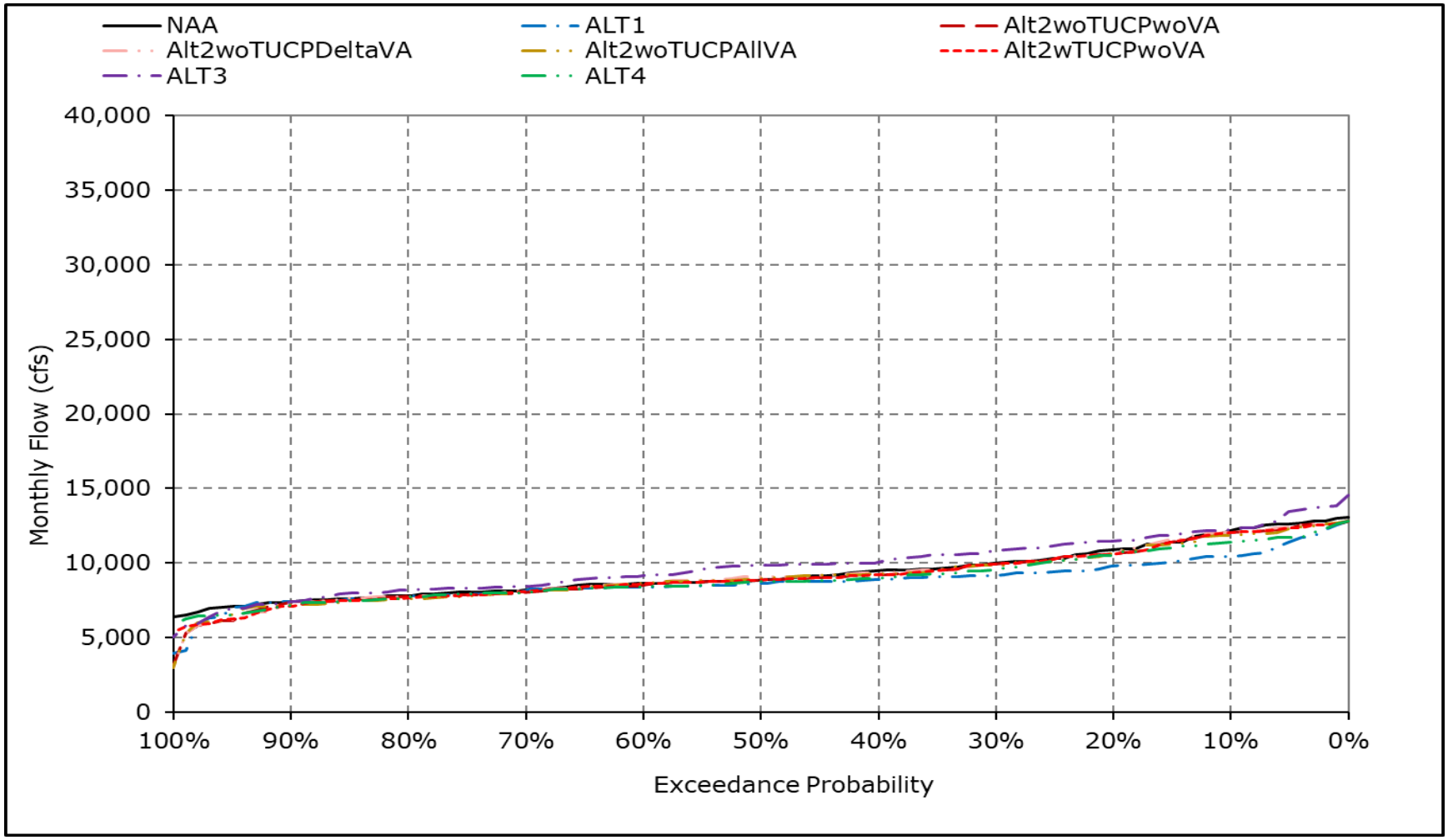
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-15. Sacramento River below Red Bluff Diversion Dam Flow, June



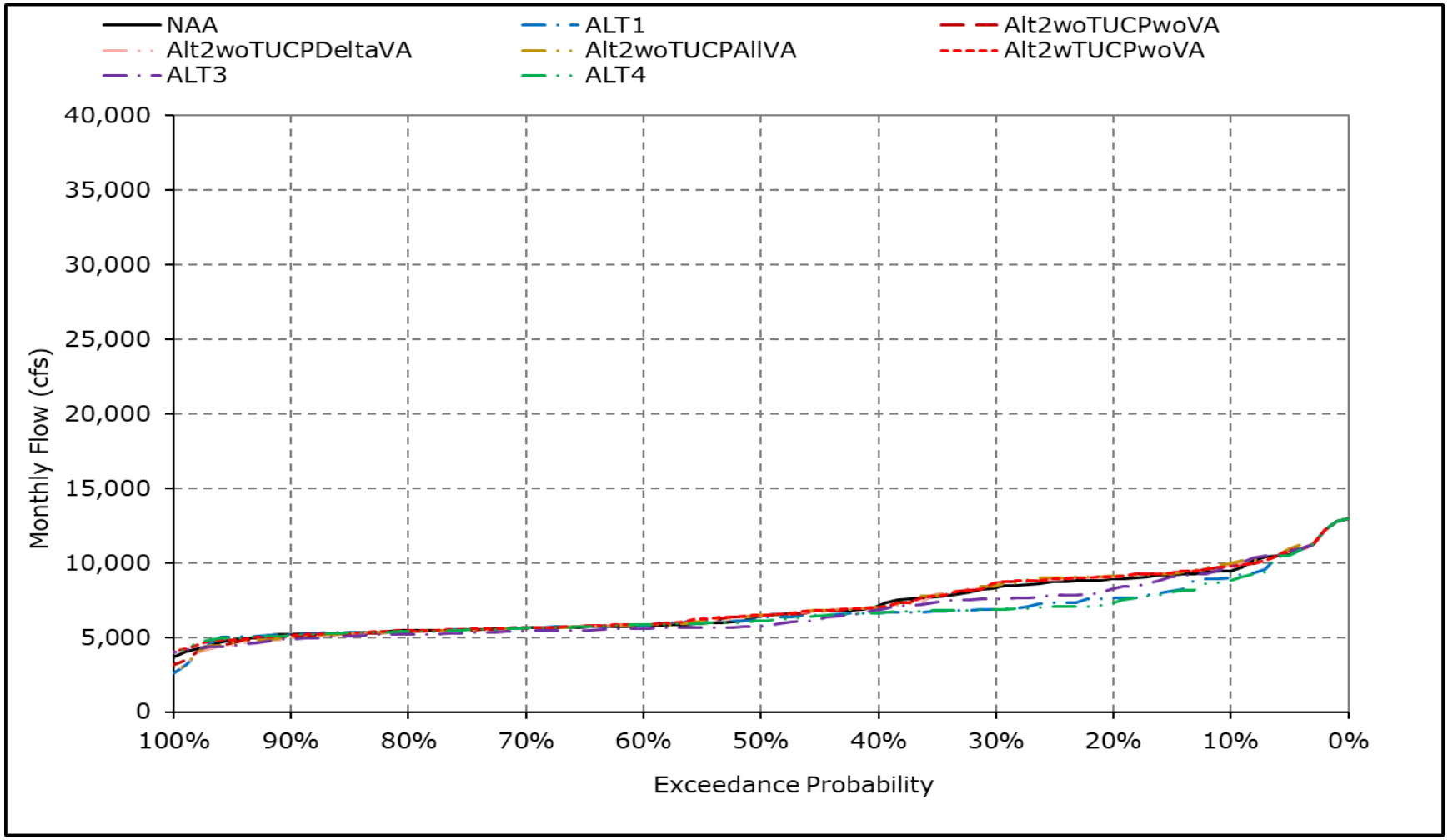
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-16. Sacramento River below Red Bluff Diversion Dam Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-17. Sacramento River below Red Bluff Diversion Dam Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-18. Sacramento River below Red Bluff Diversion Dam Flow, September

Table F.2.2-6-1a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-1b. Sacramento River Flow at Hamilton City, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,683	10,786	33,934	43,653	57,049	32,630	17,778	11,192	11,303	12,049	8,667	8,214
20% Exceedance	7,669	7,724	26,610	31,419	35,976	24,560	13,320	8,875	10,383	11,868	7,910	6,751
30% Exceedance	6,986	7,013	15,488	20,167	22,589	18,858	10,464	7,674	9,743	11,321	7,376	6,075
40% Exceedance	5,963	6,533	11,025	14,988	17,586	12,827	8,814	7,079	8,957	10,702	7,115	5,807
50% Exceedance	5,492	6,122	8,815	11,092	14,233	10,946	8,187	6,529	8,184	10,096	6,862	5,344
60% Exceedance	5,338	5,897	7,123	8,452	10,215	9,609	7,792	6,166	7,493	9,722	6,643	5,024
70% Exceedance	4,853	5,698	6,263	7,474	8,810	8,286	7,020	5,893	6,908	8,802	6,340	4,740
80% Exceedance	4,619	5,159	5,254	6,704	7,926	7,221	5,712	5,723	6,228	8,054	5,957	4,593
90% Exceedance	4,391	4,861	4,757	5,715	6,730	6,115	5,068	5,240	5,898	7,346	5,655	4,442
Full Simulation Period Average[a]	6,215	7,354	14,875	19,013	23,588	16,986	10,645	7,730	8,460	9,957	6,986	5,872
Wet Water Years (28%)	7,770	8,790	16,119	36,486	43,590	29,702	17,379	9,002	8,122	10,144	7,488	7,738
Above Normal Water Years (14%)	6,599	8,113	14,516	24,311	32,175	21,081	10,251	8,190	9,238	11,333	7,209	5,929
Below Normal Water Years (18%)	6,134	7,079	16,893	13,418	13,092	11,692	8,656	8,470	9,094	10,205	7,324	5,606
Dry Water Years (24%)	5,498	6,901	16,003	7,735	13,332	10,345	7,967	6,583	8,554	9,463	6,777	4,879
Critical Water Years (16%)	4,175	4,970	8,685	7,008	8,265	7,070	5,458	5,988	7,514	8,886	5,844	4,342

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-1c. Sacramento River Flow at Hamilton City, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	503	3	554	1,060	-5	2	462	859	-567	-1,741	-487
20% Exceedance	-171	-444	1,934	21	93	22	-765	699	822	-441	-1,201	-1,369
30% Exceedance	14	-762	427	51	88	109	-110	107	1,021	-599	-740	-1,469
40% Exceedance	-535	-786	-413	458	936	456	-39	78	745	-325	-541	-453
50% Exceedance	-66	-657	257	-150	-417	-149	47	21	531	-272	-205	-180
60% Exceedance	2	-512	-34	-141	-218	-222	307	-60	571	68	-184	139
70% Exceedance	-29	-244	8	170	-423	-441	471	-6	551	22	-269	6
80% Exceedance	-61	-256	-46	195	-147	-90	20	110	105	279	-49	28
90% Exceedance	-45	9	126	-45	412	421	261	-52	125	254	-54	3
Full Simulation Period Average[a]	-49	-284	319	145	107	48	55	116	537	-195	-562	-381
Wet Water Years (28%)	-4	-270	275	326	123	-23	-271	265	529	-378	-527	-748
Above Normal Water Years (14%)	-423	-1,093	1,394	340	257	-184	-306	337	1,251	-684	-1,368	-1,847
Below Normal Water Years (18%)	49	-86	-129	163	444	250	83	-94	1,004	-548	-1,051	559
Dry Water Years (24%)	74	-95	187	-100	60	38	198	-184	126	-257	51	71
Critical Water Years (16%)	-73	-41	74	4	-359	159	698	348	19	1,039	-289	-194

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-2a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-2b. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,946	10,516	33,926	43,569	55,992	32,633	17,770	10,575	10,143	12,362	10,220	8,938
20% Exceedance	7,815	8,442	24,928	31,409	36,399	24,535	14,064	8,438	9,429	12,086	8,833	8,269
30% Exceedance	7,151	8,086	15,050	20,082	22,478	18,125	10,570	7,411	8,860	11,663	8,117	7,805
40% Exceedance	6,235	7,350	11,440	15,912	17,739	12,394	8,891	7,025	7,965	10,980	7,451	6,100
50% Exceedance	5,659	6,784	8,733	11,374	14,688	11,162	8,083	6,547	7,585	10,278	7,047	5,554
60% Exceedance	5,385	6,389	7,237	8,761	10,538	9,856	7,596	6,196	6,911	9,081	6,755	5,198
70% Exceedance	4,819	5,992	6,623	7,595	9,165	8,782	6,959	5,848	6,497	8,378	6,416	4,722
80% Exceedance	4,721	5,467	5,469	6,842	7,660	7,347	6,255	5,451	6,178	7,873	6,022	4,571
90% Exceedance	4,489	4,878	4,827	5,796	6,323	6,140	5,540	4,951	5,765	7,247	5,622	4,419
Full Simulation Period Average[a]	6,362	7,822	14,760	19,072	23,555	16,979	10,742	7,566	7,843	9,968	7,388	6,301
Wet Water Years (28%)	7,795	9,117	16,021	36,538	43,628	29,725	17,650	8,799	7,555	10,279	7,906	8,471
Above Normal Water Years (14%)	7,399	9,246	13,186	23,946	31,788	20,955	10,557	7,854	7,991	11,854	8,368	7,958
Below Normal Water Years (18%)	6,069	7,510	17,198	13,311	12,752	11,533	8,469	8,516	8,152	10,256	8,077	5,339
Dry Water Years (24%)	5,491	7,019	16,268	8,167	13,436	10,356	7,773	6,527	8,180	9,390	6,821	4,856
Critical Water Years (16%)	4,393	5,640	8,640	7,077	8,552	7,256	5,826	5,645	7,363	8,320	5,699	4,303

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-2c. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	267	232	-4	471	3	-2	-6	-155	-301	-254	-188	237
20% Exceedance	-25	273	251	12	516	-3	-21	262	-132	-223	-278	149
30% Exceedance	179	311	-11	-34	-23	-624	-4	-157	138	-256	1	261
40% Exceedance	-262	32	2	1,382	1,089	24	37	24	-247	-47	-205	-159
50% Exceedance	101	4	175	133	39	68	-58	38	-68	-90	-20	31
60% Exceedance	49	-21	80	168	105	26	111	-30	-12	-572	-73	312
70% Exceedance	-63	51	369	291	-68	56	410	-51	139	-401	-193	-12
80% Exceedance	41	52	169	334	-413	36	563	-163	55	98	16	6
90% Exceedance	54	26	197	36	6	446	732	-341	-9	155	-87	-21
Full Simulation Period Average[a]	97	184	204	204	73	40	153	-48	-80	-184	-160	48
Wet Water Years (28%)	21	58	177	378	160	0	0	62	-38	-243	-109	-15
Above Normal Water Years (14%)	377	41	64	-26	-130	-310	0	0	4	-163	-209	183
Below Normal Water Years (18%)	-17	345	176	56	105	91	-104	-48	62	-497	-298	291
Dry Water Years (24%)	67	23	451	332	164	50	5	-240	-249	-330	95	48
Critical Water Years (16%)	144	629	30	73	-71	345	1,066	6	-133	473	-434	-233

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-3a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-3b. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,858	10,283	33,927	43,542	55,992	32,637	17,771	10,851	10,074	12,384	10,307	9,111
20% Exceedance	7,839	8,496	24,901	31,407	36,609	24,534	14,073	8,738	9,356	12,105	8,996	8,270
30% Exceedance	7,262	8,094	15,048	20,081	22,418	18,128	10,551	7,387	8,700	11,708	8,097	7,734
40% Exceedance	6,530	7,428	11,440	15,236	17,738	12,395	8,825	6,940	7,935	11,024	7,602	6,150
50% Exceedance	5,798	6,925	8,621	11,332	13,626	11,163	8,353	6,518	7,643	10,428	7,150	5,569
60% Exceedance	5,442	6,384	7,223	8,761	10,359	9,857	7,519	6,235	6,934	9,045	6,940	5,104
70% Exceedance	4,847	6,046	6,579	7,411	8,943	8,710	7,011	5,911	6,495	8,500	6,507	4,726
80% Exceedance	4,700	5,781	5,488	6,692	7,741	7,501	6,239	5,451	6,203	7,959	5,989	4,554
90% Exceedance	4,514	5,055	4,934	5,777	6,324	6,341	5,502	5,027	5,720	7,306	5,625	4,427
Full Simulation Period Average[a]	6,401	7,843	14,728	18,934	23,495	17,021	10,738	7,577	7,836	10,042	7,452	6,292
Wet Water Years (28%)	7,798	9,198	15,918	36,307	43,629	29,728	17,651	8,782	7,563	10,292	7,938	8,499
Above Normal Water Years (14%)	7,430	9,400	13,158	23,924	31,846	21,064	10,545	7,884	7,848	11,950	8,408	8,002
Below Normal Water Years (18%)	6,197	7,441	17,239	13,302	12,859	11,536	8,504	8,493	8,146	10,299	8,222	5,275
Dry Water Years (24%)	5,492	6,981	16,239	8,006	13,429	10,316	7,629	6,591	8,208	9,533	6,862	4,826
Critical Water Years (16%)	4,463	5,618	8,646	6,893	8,020	7,474	5,988	5,648	7,393	8,406	5,786	4,274

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-3c. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	179	-1	-4	444	3	1	-5	121	-370	-232	-101	410
20% Exceedance	-1	327	225	9	726	-4	-12	562	-205	-204	-115	150
30% Exceedance	290	319	-13	-35	-83	-621	-23	-181	-22	-211	-18	190
40% Exceedance	33	109	2	706	1,088	25	-28	-61	-277	-3	-54	-110
50% Exceedance	240	146	64	91	-1,023	69	213	9	-10	60	83	46
60% Exceedance	106	-25	67	169	-74	26	34	9	11	-609	113	218
70% Exceedance	-35	105	324	108	-290	-17	463	12	138	-280	-102	-9
80% Exceedance	19	366	187	184	-332	190	547	-162	80	184	-18	-12
90% Exceedance	79	203	304	18	6	647	695	-265	-53	214	-83	-12
Full Simulation Period Average[a]	136	205	172	66	14	82	149	-37	-87	-111	-96	39
Wet Water Years (28%)	24	138	74	147	161	3	1	45	-30	-230	-77	12
Above Normal Water Years (14%)	408	195	36	-47	-72	-201	-12	31	-139	-67	-169	226
Below Normal Water Years (18%)	111	277	217	47	211	94	-70	-71	56	-454	-154	228
Dry Water Years (24%)	68	-15	423	170	157	10	-139	-176	-220	-186	136	18
Critical Water Years (16%)	214	607	36	-110	-604	563	1,228	8	-103	560	-347	-261

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-4a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-4b. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,724	10,276	33,927	43,550	55,995	32,639	18,236	10,903	9,813	12,397	10,171	9,112
20% Exceedance	7,811	8,594	24,968	31,412	37,409	24,308	14,125	8,646	9,011	12,109	8,963	8,268
30% Exceedance	7,152	8,127	15,045	20,065	22,416	18,128	11,057	7,543	8,278	11,641	8,144	7,564
40% Exceedance	6,477	7,419	11,442	15,912	17,741	12,395	9,146	7,067	7,848	11,176	7,619	6,137
50% Exceedance	5,724	6,892	8,633	11,295	14,691	11,163	8,503	6,813	7,094	10,336	7,175	5,531
60% Exceedance	5,321	6,421	7,236	8,844	10,687	9,858	7,807	6,452	6,678	9,138	6,852	4,893
70% Exceedance	4,856	5,989	6,587	7,579	9,166	8,570	6,982	6,080	6,385	8,421	6,479	4,673
80% Exceedance	4,734	5,578	5,446	6,726	7,861	7,346	6,359	5,577	6,185	8,017	6,031	4,530
90% Exceedance	4,466	4,996	4,820	5,778	6,324	6,135	5,564	4,902	5,597	7,390	5,592	4,421
Full Simulation Period Average[a]	6,367	7,891	14,799	19,053	23,650	16,945	11,013	7,691	7,594	10,037	7,467	6,280
Wet Water Years (28%)	7,784	9,198	15,928	36,497	43,659	29,729	17,742	8,815	7,507	10,308	7,942	8,506
Above Normal Water Years (14%)	7,353	9,465	13,208	23,966	31,931	20,736	11,252	8,185	7,376	11,970	8,332	7,968
Below Normal Water Years (18%)	6,116	7,527	17,281	13,302	12,891	11,535	9,204	8,791	7,670	10,297	8,179	5,295
Dry Water Years (24%)	5,473	7,157	16,480	7,985	13,577	10,342	7,768	6,446	7,919	9,475	6,841	4,785
Critical Water Years (16%)	4,469	5,487	8,618	7,298	8,602	7,250	5,933	5,920	7,362	8,420	6,015	4,259

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-4c. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	45	-8	-4	451	5	3	460	173	-630	-219	-237	411
20% Exceedance	-28	426	291	15	1,526	-230	40	469	-550	-200	-148	148
30% Exceedance	181	352	-17	-51	-86	-621	483	-24	-444	-279	29	20
40% Exceedance	-21	101	4	1,382	1,091	25	293	66	-364	149	-37	-123
50% Exceedance	166	113	76	54	42	69	363	304	-559	-32	108	8
60% Exceedance	-15	11	79	252	254	28	322	226	-244	-516	25	8
70% Exceedance	-26	47	332	276	-67	-156	433	181	27	-358	-129	-61
80% Exceedance	54	163	145	218	-212	35	667	-36	61	242	24	-36
90% Exceedance	31	144	190	18	7	441	756	-391	-177	299	-116	-18
Full Simulation Period Average[a]	103	253	243	185	169	7	424	77	-329	-116	-81	27
Wet Water Years (28%)	10	138	85	337	191	4	92	77	-86	-214	-73	20
Above Normal Water Years (14%)	331	259	86	-6	13	-529	695	332	-611	-48	-245	193
Below Normal Water Years (18%)	30	363	258	47	243	93	631	227	-420	-456	-196	248
Dry Water Years (24%)	49	162	664	150	305	36	-1	-321	-509	-244	115	-23
Critical Water Years (16%)	221	476	7	295	-22	339	1,173	280	-133	574	-118	-277

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-5a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-5b. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,973	10,509	33,927	43,545	55,993	33,683	17,771	10,558	10,141	12,431	10,221	8,954
20% Exceedance	7,820	8,446	24,972	31,671	36,409	24,535	14,065	8,439	9,345	12,107	8,830	8,274
30% Exceedance	7,156	8,018	15,052	20,083	22,478	18,128	10,585	7,396	8,582	11,702	8,107	7,804
40% Exceedance	6,275	7,352	11,437	15,913	17,739	12,395	8,891	6,888	7,966	10,759	7,460	6,177
50% Exceedance	5,659	6,685	8,731	11,372	14,690	11,162	8,083	6,472	7,645	10,128	7,040	5,569
60% Exceedance	5,384	6,330	7,237	8,761	10,537	9,857	7,512	6,148	6,911	8,869	6,771	5,251
70% Exceedance	4,959	5,991	6,572	7,582	9,166	8,768	6,748	5,839	6,390	8,025	6,390	4,763
80% Exceedance	4,717	5,467	5,479	6,721	7,660	7,347	5,806	5,561	6,167	7,597	6,023	4,602
90% Exceedance	4,531	4,906	4,936	5,773	6,325	5,863	4,764	4,950	5,753	6,899	5,613	4,462
Full Simulation Period Average[a]	6,412	7,831	14,780	19,104	23,582	16,970	10,613	7,541	7,815	9,824	7,403	6,362
Wet Water Years (28%)	7,797	9,113	16,031	36,545	43,630	29,727	17,652	8,797	7,554	10,279	7,907	8,471
Above Normal Water Years (14%)	7,407	9,235	13,197	24,343	31,850	21,501	10,559	7,856	7,991	11,856	8,392	7,990
Below Normal Water Years (18%)	6,102	7,595	17,201	13,319	12,757	11,536	8,459	8,568	8,158	10,434	8,182	5,401
Dry Water Years (24%)	5,494	7,024	16,251	8,164	13,569	10,349	7,794	6,530	8,179	9,359	6,819	4,856
Critical Water Years (16%)	4,671	5,610	8,766	6,918	8,458	6,724	4,993	5,429	7,189	7,264	5,653	4,588

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-5c. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	294	225	-3	447	3	1,048	-5	-172	-302	-185	-187	253
20% Exceedance	-19	277	295	274	526	-3	-21	263	-215	-202	-281	154
30% Exceedance	184	243	-9	-33	-23	-621	11	-171	-139	-218	-8	260
40% Exceedance	-223	34	-1	1,384	1,089	24	37	-113	-246	-269	-196	-83
50% Exceedance	101	-94	174	131	41	68	-58	-37	-8	-240	-27	45
60% Exceedance	48	-80	80	169	105	26	26	-78	-12	-785	-57	365
70% Exceedance	77	50	317	279	-68	41	200	-60	32	-754	-219	29
80% Exceedance	37	52	178	212	-413	36	114	-52	44	-178	16	36
90% Exceedance	95	55	305	13	7	169	-44	-342	-20	-193	-96	23
Full Simulation Period Average[a]	148	193	224	236	100	31	24	-73	-107	-328	-145	109
Wet Water Years (28%)	23	53	188	384	162	2	2	60	-39	-243	-108	-15
Above Normal Water Years (14%)	386	30	75	371	-68	236	1	3	3	-162	-185	214
Below Normal Water Years (18%)	17	430	179	63	109	94	-114	4	68	-319	-193	354
Dry Water Years (24%)	71	28	434	329	297	43	26	-237	-249	-361	93	48
Critical Water Years (16%)	423	599	155	-85	-166	-187	233	-211	-307	-582	-480	52

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-6a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-6b. Sacramento River Flow at Hamilton City, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,663	11,193	33,903	43,653	57,122	33,589	17,935	14,324	9,534	12,064	10,423	8,806
20% Exceedance	7,878	8,038	26,240	31,853	36,334	24,518	14,390	11,070	8,899	11,293	9,589	7,374
30% Exceedance	7,039	7,104	16,208	20,342	22,639	18,818	11,060	9,112	8,353	10,703	9,079	6,695
40% Exceedance	6,404	6,625	12,421	16,630	17,222	13,915	8,902	7,364	7,479	10,402	8,338	6,028
50% Exceedance	5,617	6,337	8,767	11,341	14,408	11,438	7,360	6,603	6,548	9,739	7,987	4,985
60% Exceedance	5,170	5,833	6,945	8,956	10,524	9,745	6,616	6,052	6,000	9,217	7,649	4,680
70% Exceedance	4,871	5,574	6,322	7,677	9,242	8,249	6,147	5,631	5,641	8,443	7,035	4,629
80% Exceedance	4,648	5,072	5,223	6,899	7,740	7,285	5,291	5,395	5,425	7,613	6,572	4,436
90% Exceedance	4,460	4,847	4,637	5,906	6,418	6,030	4,640	5,037	5,017	6,817	5,732	4,228
Full Simulation Period Average[a]	6,326	7,551	15,165	19,322	23,667	17,052	10,505	8,410	7,078	9,563	8,106	5,978
Wet Water Years (28%)	7,581	8,574	16,067	36,975	43,932	29,879	17,915	11,237	6,314	9,929	7,574	7,906
Above Normal Water Years (14%)	7,076	8,345	14,468	24,463	31,890	21,597	10,910	9,955	6,248	9,764	8,284	6,963
Below Normal Water Years (18%)	6,019	7,528	17,884	13,438	13,272	11,541	8,041	8,370	7,246	9,664	9,068	5,299
Dry Water Years (24%)	5,591	7,021	16,324	8,045	13,359	10,397	7,098	6,369	7,962	9,864	8,709	4,623
Critical Water Years (16%)	4,775	5,725	9,060	7,466	8,165	6,812	5,069	5,220	7,624	8,182	6,897	4,537

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-6c. Sacramento River Flow at Hamilton City, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-16	909	-28	555	1,132	953	159	3,594	-910	-552	15	105
20% Exceedance	39	-131	1,563	456	451	-20	304	2,894	-661	-1,016	478	-746
30% Exceedance	68	-671	1,147	226	138	69	486	1,545	-369	-1,217	963	-848
40% Exceedance	-93	-693	983	2,100	572	1,545	48	363	-733	-625	682	-231
50% Exceedance	59	-442	209	100	-241	343	-780	94	-1,105	-629	920	-538
60% Exceedance	-166	-576	-212	364	91	-86	-870	-174	-922	-436	822	-206
70% Exceedance	-11	-368	68	374	9	-477	-402	-268	-716	-337	426	-105
80% Exceedance	-33	-343	-77	390	-333	-26	-401	-219	-698	-162	565	-129
90% Exceedance	25	-4	6	146	101	336	-167	-255	-756	-275	23	-211
Full Simulation Period Average[a]	61	-87	609	454	186	113	-84	796	-845	-589	558	-275
Wet Water Years (28%)	-193	-486	223	814	464	154	265	2,499	-1,279	-593	-442	-580
Above Normal Water Years (14%)	54	-860	1,346	492	-29	332	353	2,101	-1,739	-2,254	-294	-813
Below Normal Water Years (18%)	-67	363	862	183	624	99	-532	-194	-844	-1,089	692	252
Dry Water Years (24%)	168	26	508	209	87	91	-670	-398	-466	145	1,983	-185
Critical Water Years (16%)	527	714	450	462	-458	-99	309	-420	128	335	764	1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-7a. Sacramento River Flow at Hamilton City, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,679	10,284	33,931	43,098	55,989	32,635	17,776	10,730	10,444	12,616	10,408	8,701
20% Exceedance	7,840	8,169	24,677	31,397	35,883	24,538	14,085	8,176	9,560	12,309	9,111	8,120
30% Exceedance	6,972	7,775	15,061	20,116	22,501	18,749	10,574	7,567	8,722	11,920	8,116	7,544
40% Exceedance	6,497	7,319	11,438	14,530	16,650	12,370	8,854	7,001	8,212	11,027	7,656	6,260
50% Exceedance	5,558	6,779	8,557	11,241	14,649	11,094	8,140	6,509	7,653	10,368	7,067	5,523
60% Exceedance	5,336	6,409	7,157	8,592	10,432	9,831	7,485	6,226	6,922	9,653	6,827	4,886
70% Exceedance	4,882	5,941	6,255	7,303	9,233	8,726	6,549	5,899	6,358	8,779	6,609	4,734
80% Exceedance	4,681	5,415	5,301	6,509	8,073	7,311	5,692	5,613	6,123	7,775	6,007	4,566
90% Exceedance	4,435	4,852	4,630	5,760	6,317	5,694	4,807	5,292	5,773	7,092	5,709	4,439
Full Simulation Period Average[a]	6,264	7,638	14,556	18,868	23,481	16,939	10,589	7,614	7,923	10,152	7,548	6,253
Wet Water Years (28%)	7,774	9,060	15,844	36,160	43,468	29,725	17,650	8,737	7,593	10,522	8,015	8,486
Above Normal Water Years (14%)	7,022	9,205	13,122	23,971	31,918	21,265	10,557	7,853	7,987	12,017	8,577	7,776
Below Normal Water Years (18%)	6,086	7,165	17,022	13,255	12,647	11,442	8,573	8,564	8,090	10,753	8,376	5,047
Dry Water Years (24%)	5,424	6,996	15,816	7,835	13,272	10,306	7,768	6,767	8,428	9,720	6,726	4,808
Critical Water Years (16%)	4,248	5,011	8,610	7,004	8,624	6,911	4,760	5,640	7,496	7,846	6,133	4,536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-7b. Sacramento River Flow at Hamilton City, Alternative 4, Monthly Flow (cfs)

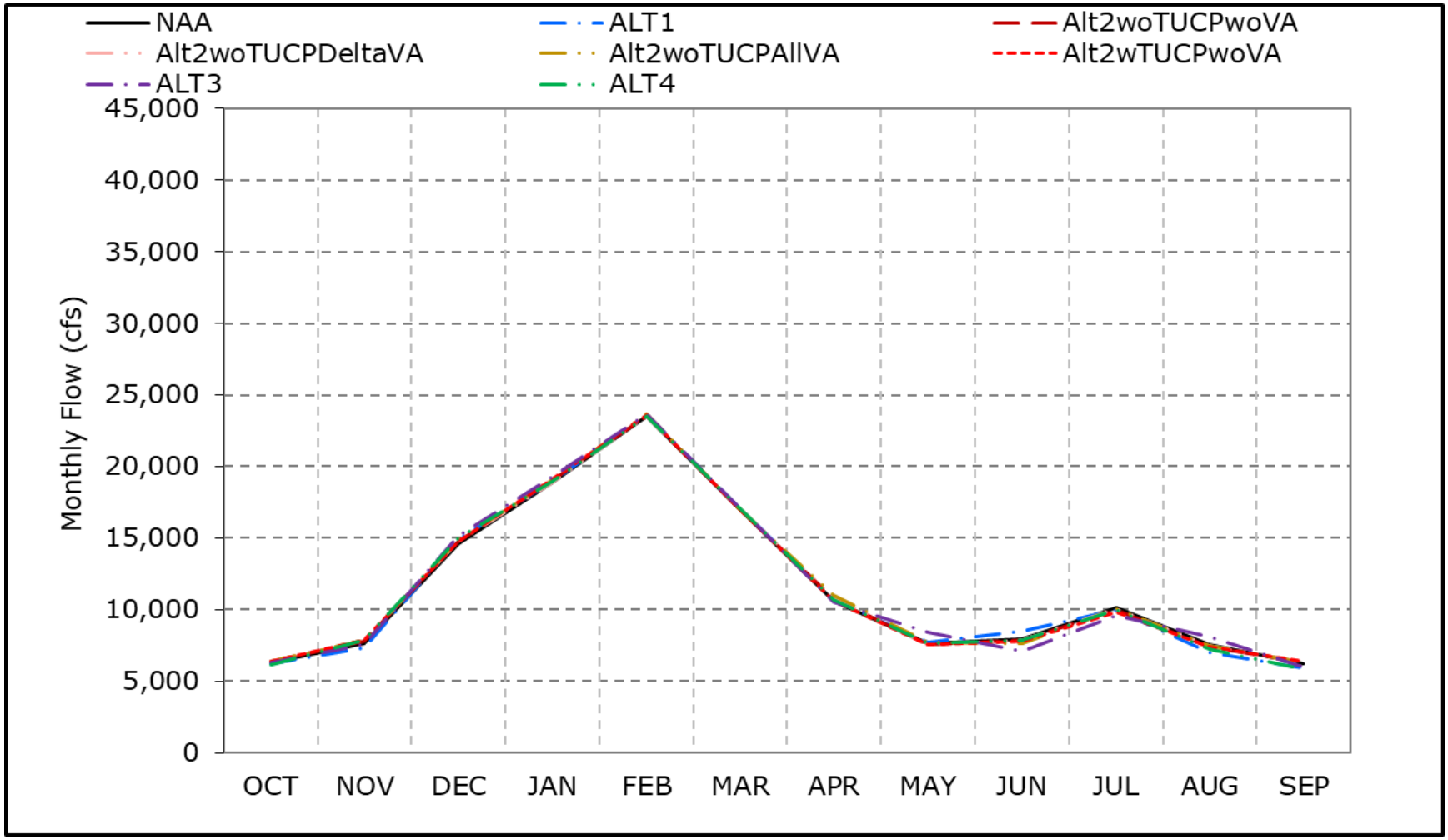
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,429	11,437	33,933	43,859	56,220	32,694	17,777	10,581	10,132	12,632	9,560	7,942
20% Exceedance	7,259	8,527	26,725	31,419	35,912	24,534	14,087	8,438	9,346	12,181	8,663	6,388
30% Exceedance	6,214	8,001	15,115	20,336	22,876	18,859	10,624	7,498	8,688	11,921	7,658	5,980
40% Exceedance	5,758	7,357	11,535	15,816	17,742	12,718	8,919	6,953	8,156	10,769	7,081	5,786
50% Exceedance	5,545	6,850	9,181	10,971	14,693	11,288	8,347	6,484	7,568	10,080	6,928	5,325
60% Exceedance	5,344	6,458	7,310	8,691	10,686	9,863	7,866	6,185	6,955	9,484	6,676	4,958
70% Exceedance	4,935	6,051	6,491	7,391	9,335	8,796	6,811	5,841	6,464	8,499	6,375	4,753
80% Exceedance	4,715	5,513	5,660	6,772	7,636	7,348	5,702	5,661	6,121	7,680	5,997	4,582
90% Exceedance	4,531	4,902	5,031	5,805	6,206	5,731	4,738	5,141	5,778	6,929	5,657	4,417
Full Simulation Period Average[a]	6,150	7,891	15,001	18,986	23,554	17,035	10,686	7,606	7,851	10,012	7,259	5,849
Wet Water Years (28%)	7,454	9,338	16,398	36,567	43,415	29,758	17,685	8,799	7,600	10,433	7,639	7,761
Above Normal Water Years (14%)	6,205	9,302	14,103	23,782	31,856	21,592	10,589	7,882	8,080	12,045	7,816	6,001
Below Normal Water Years (18%)	6,156	7,497	17,108	13,327	12,792	11,599	8,748	8,580	8,135	10,823	8,309	5,118
Dry Water Years (24%)	5,507	7,006	16,284	7,847	13,516	10,449	7,795	6,711	8,242	9,505	6,710	4,918
Critical Water Years (16%)	4,683	5,670	8,713	7,098	8,699	6,775	5,039	5,521	7,182	7,341	5,748	4,589

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-6-7c. Sacramento River Flow at Hamilton City, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

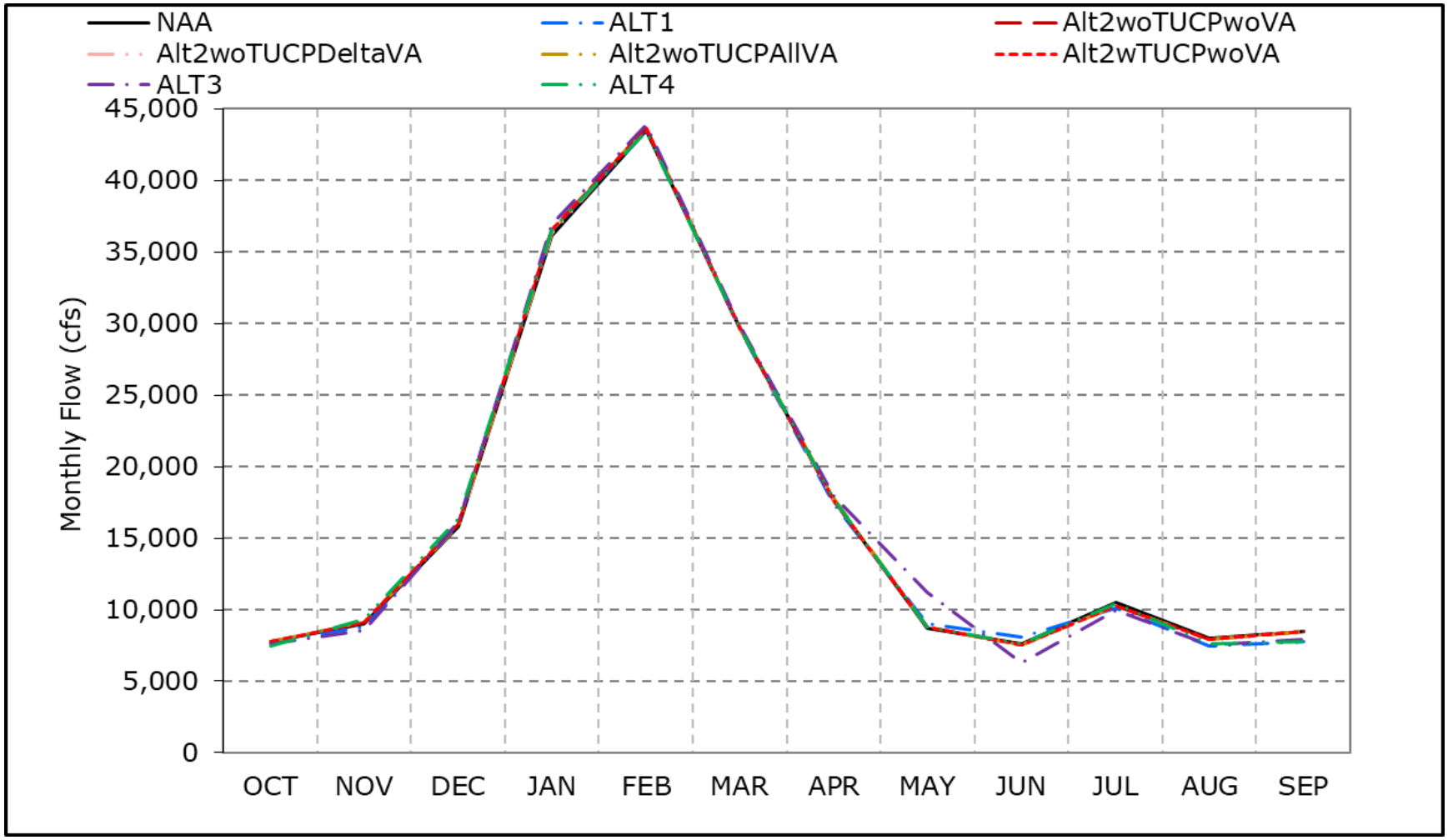
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-249	1,153	2	761	231	59	2	-149	-312	16	-849	-759
20% Exceedance	-580	358	2,048	22	29	-4	2	261	-215	-128	-448	-1,732
30% Exceedance	-757	226	54	220	375	110	50	-70	-34	2	-458	-1,564
40% Exceedance	-739	38	98	1,286	1,092	347	66	-48	-56	-259	-575	-473
50% Exceedance	-13	70	623	-271	44	193	206	-25	-85	-288	-139	-198
60% Exceedance	9	49	154	99	254	33	380	-41	32	-170	-151	72
70% Exceedance	53	109	236	87	102	69	263	-58	106	-280	-234	19
80% Exceedance	35	98	359	264	-437	37	10	48	-2	-95	-9	17
90% Exceedance	96	50	401	45	-111	37	-70	-151	5	-163	-51	-23
Full Simulation Period Average[a]	-114	253	445	118	73	96	97	-8	-72	-141	-289	-404
Wet Water Years (28%)	-320	278	554	407	-53	33	35	62	7	-89	-376	-725
Above Normal Water Years (14%)	-817	96	981	-189	-62	327	32	29	93	27	-761	-1,774
Below Normal Water Years (18%)	70	332	85	72	144	157	175	16	45	70	-66	71
Dry Water Years (24%)	83	10	468	12	244	143	27	-55	-187	-214	-17	110
Critical Water Years (16%)	435	659	103	94	75	-136	279	-119	-313	-505	-385	53

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



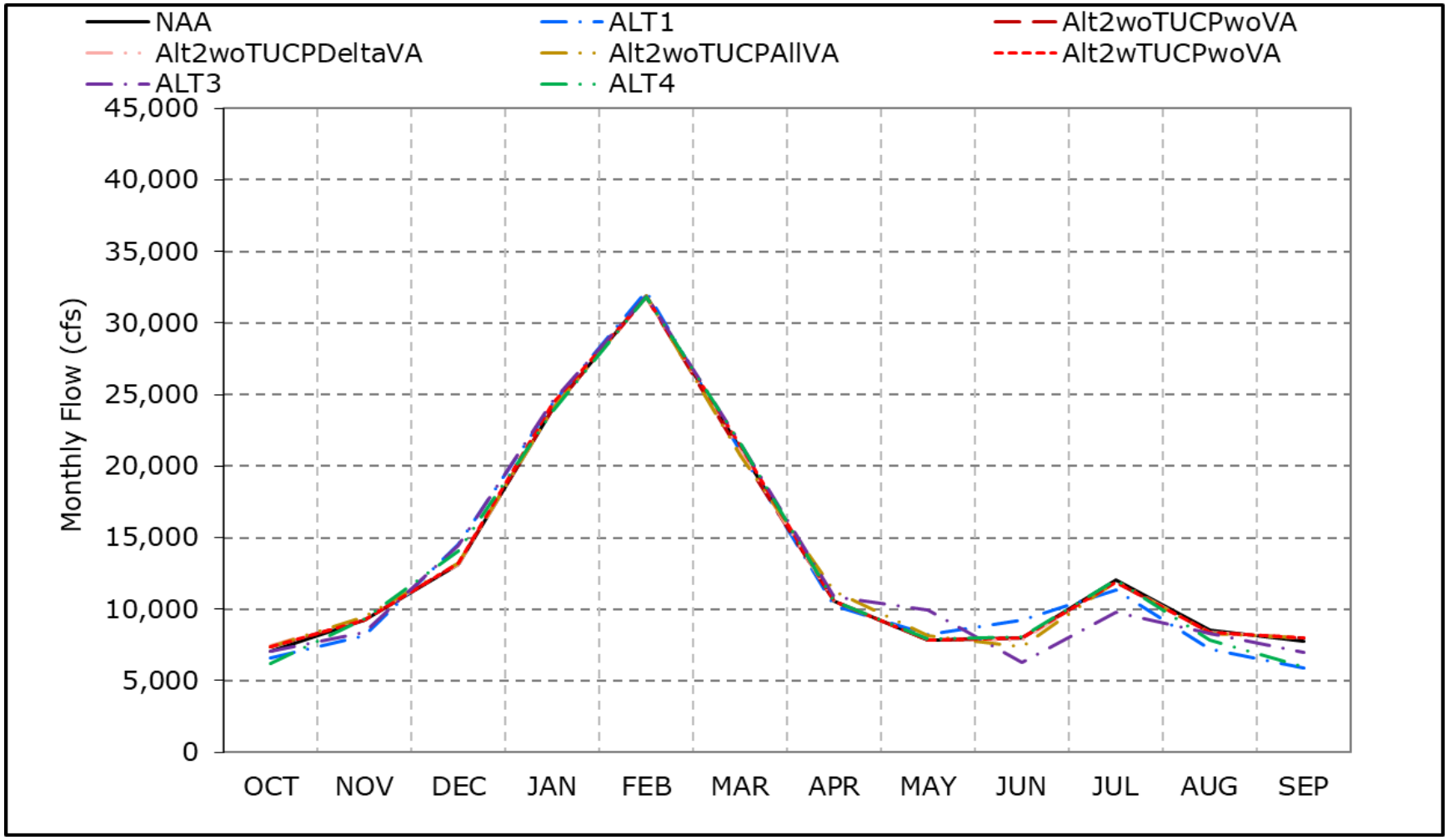
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-1. Sacramento River Flow at Hamilton City, Long-Term Average Flow



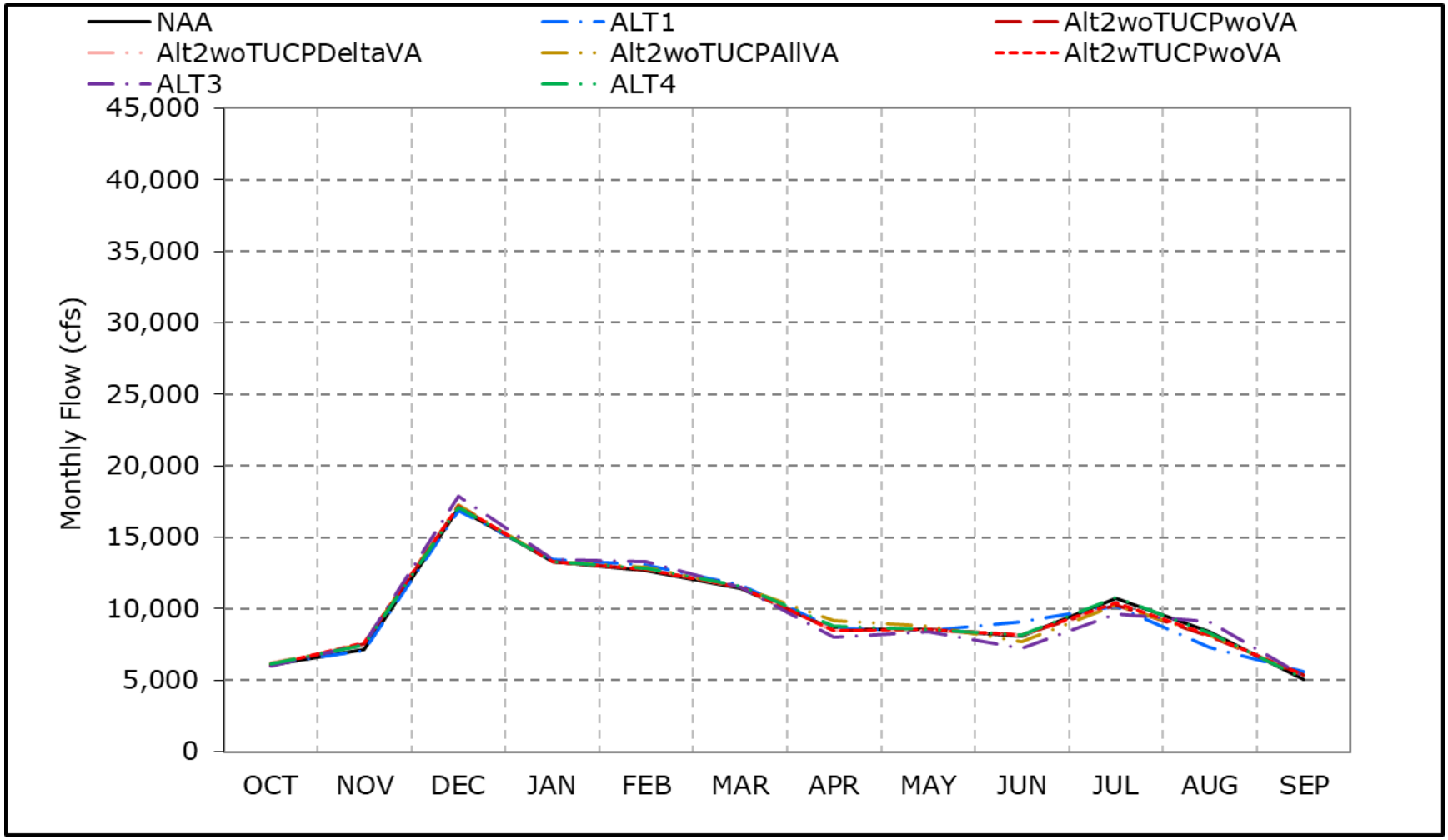
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-2. Sacramento River Flow at Hamilton City, Wet Year Average Flow



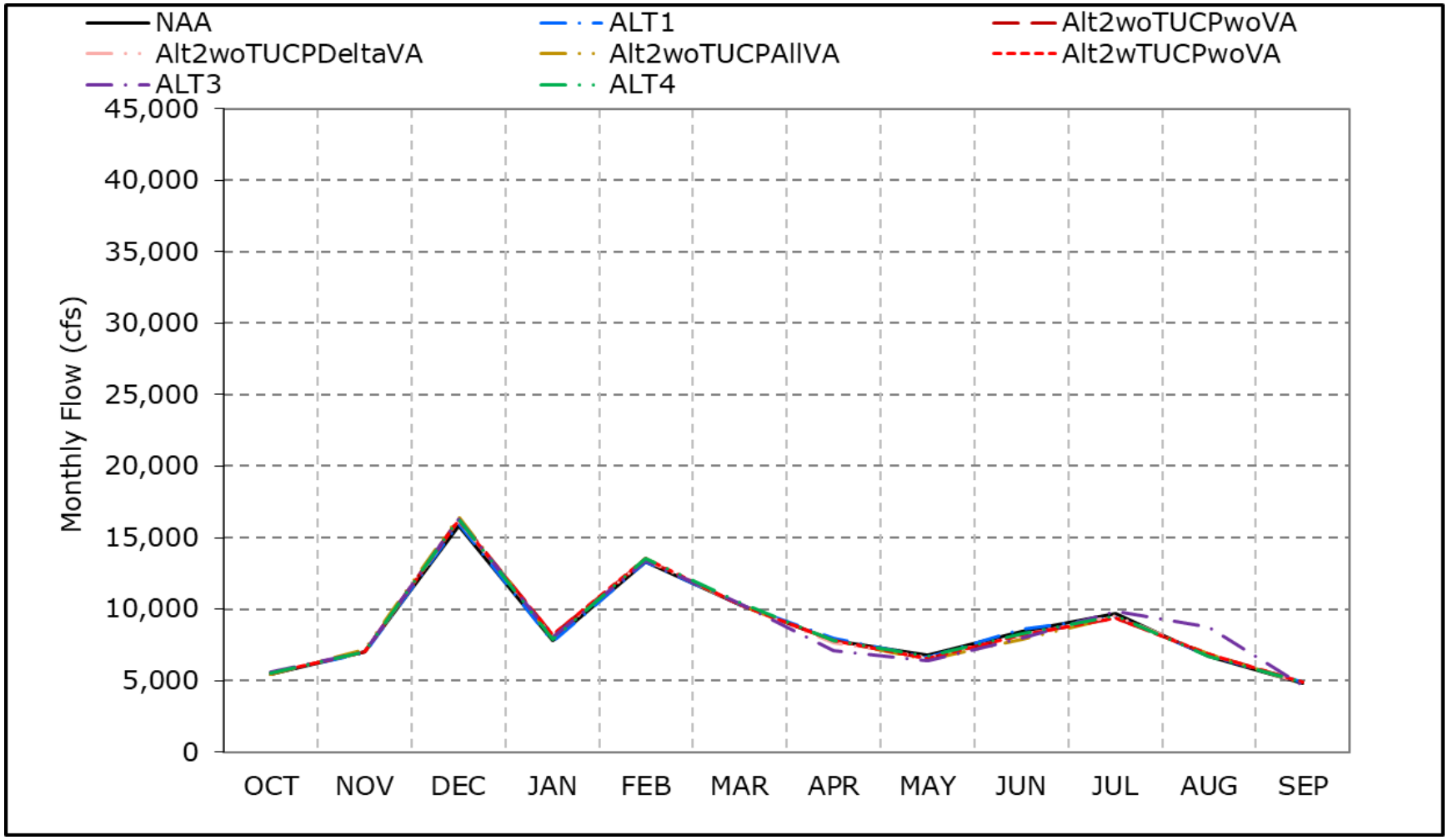
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-3. Sacramento River Flow at Hamilton City, Above Normal Year Average Flow



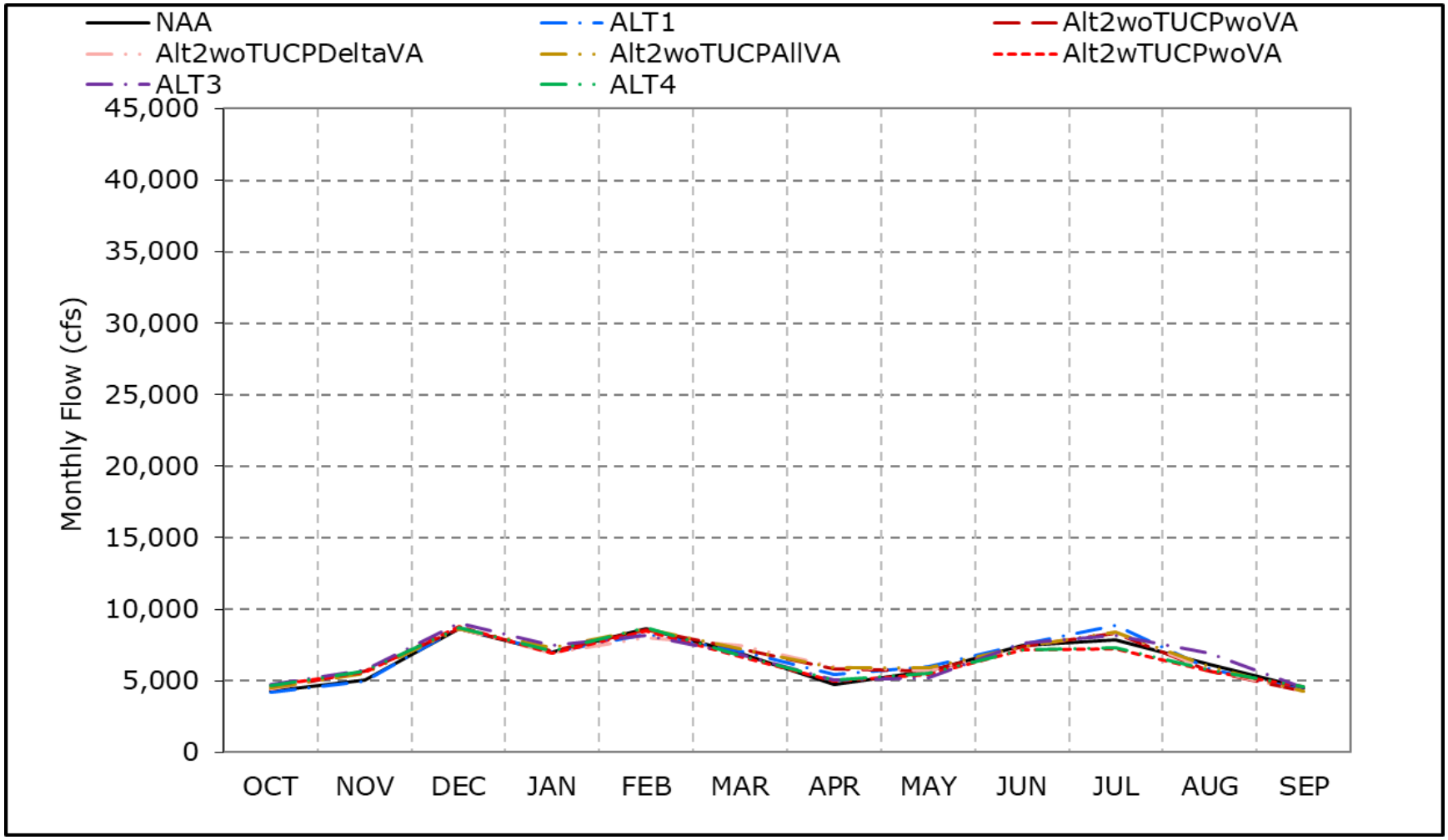
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-4. Sacramento River Flow at Hamilton City, Below Normal Year Average Flow



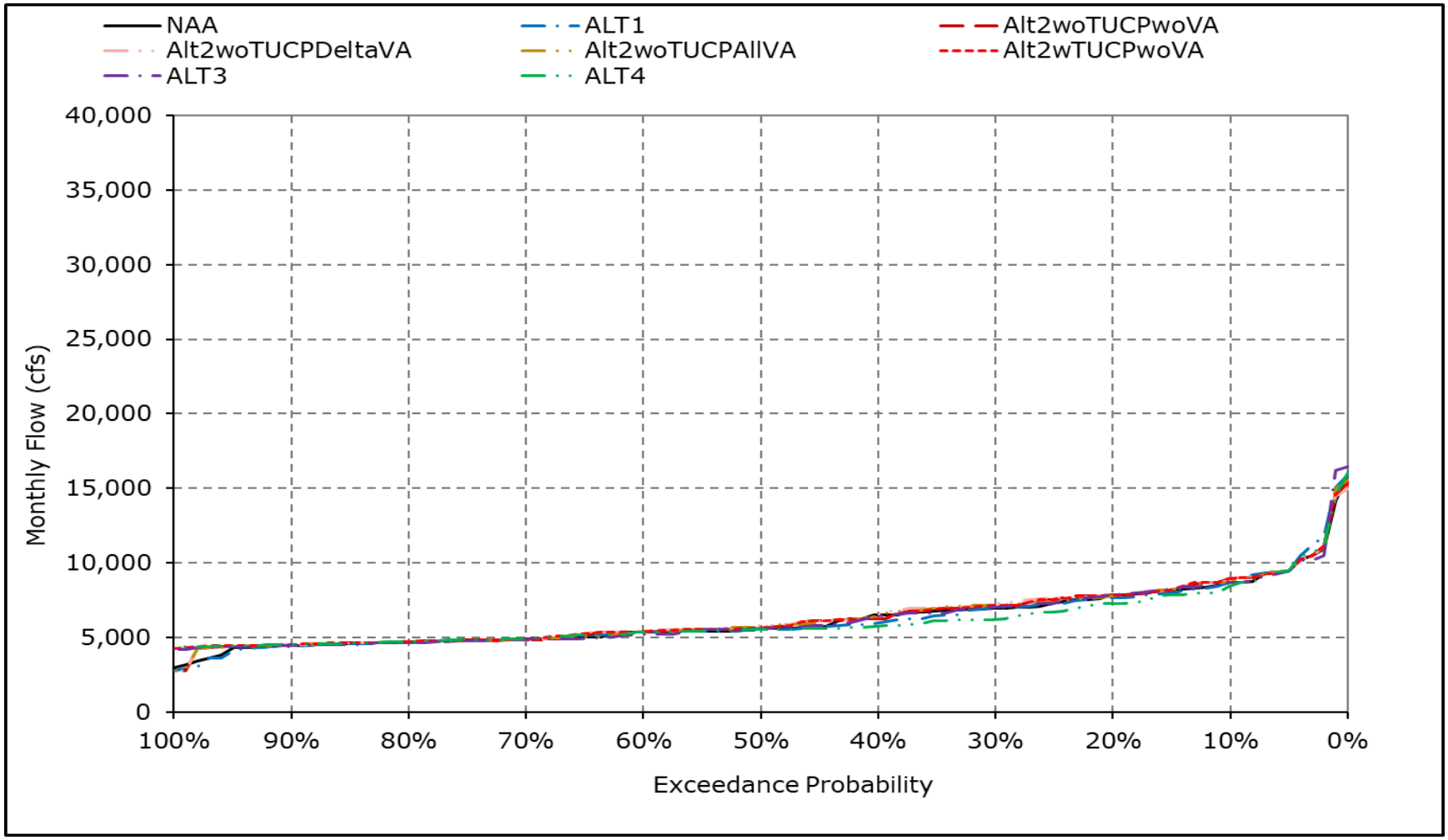
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-5. Sacramento River Flow at Hamilton City, Dry Year Average Flow



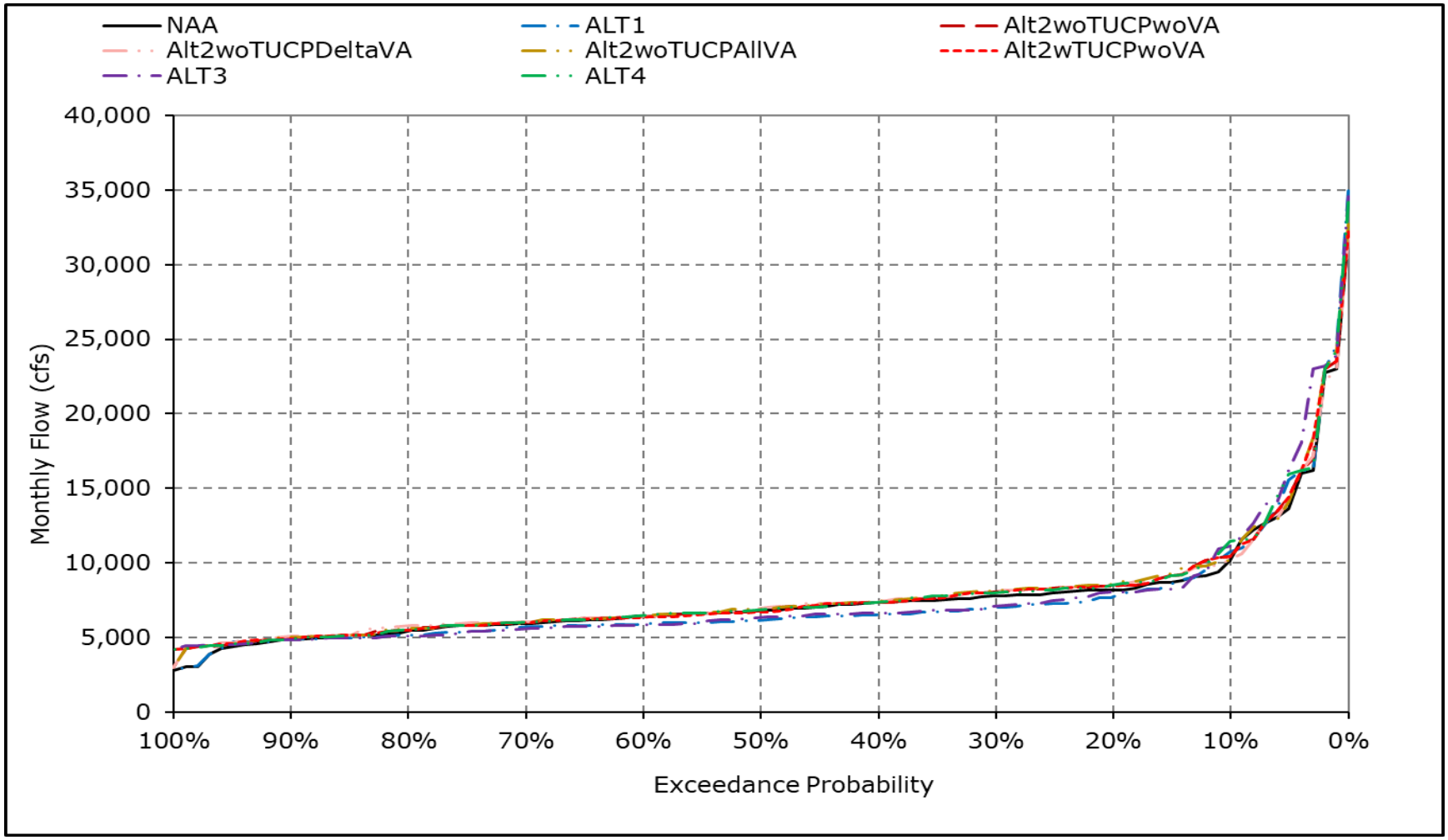
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-6. Sacramento River Flow at Hamilton City, Critical Year Average Flow



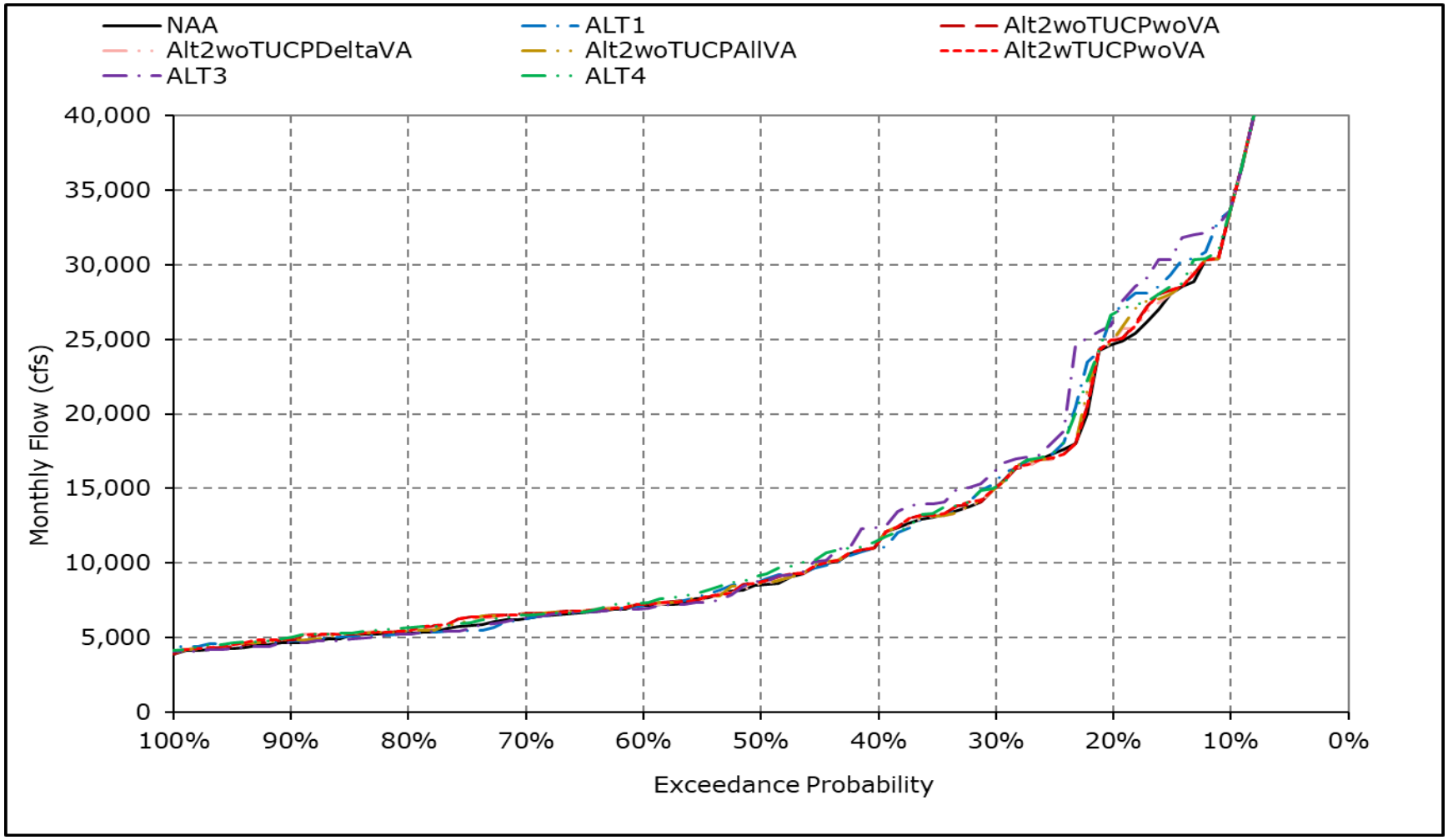
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-7. Sacramento River Flow at Hamilton City, October



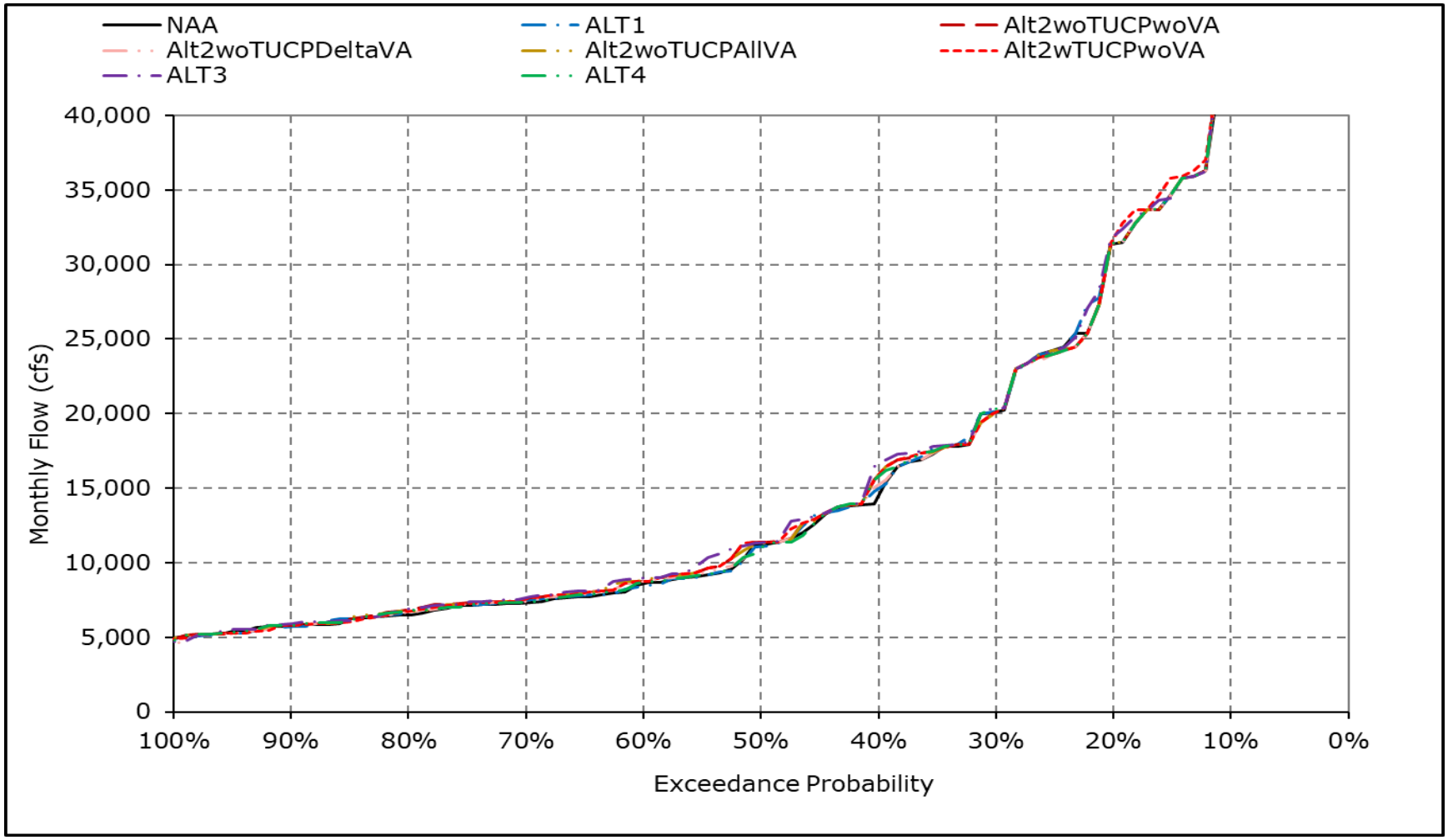
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-8. Sacramento River Flow at Hamilton City, November



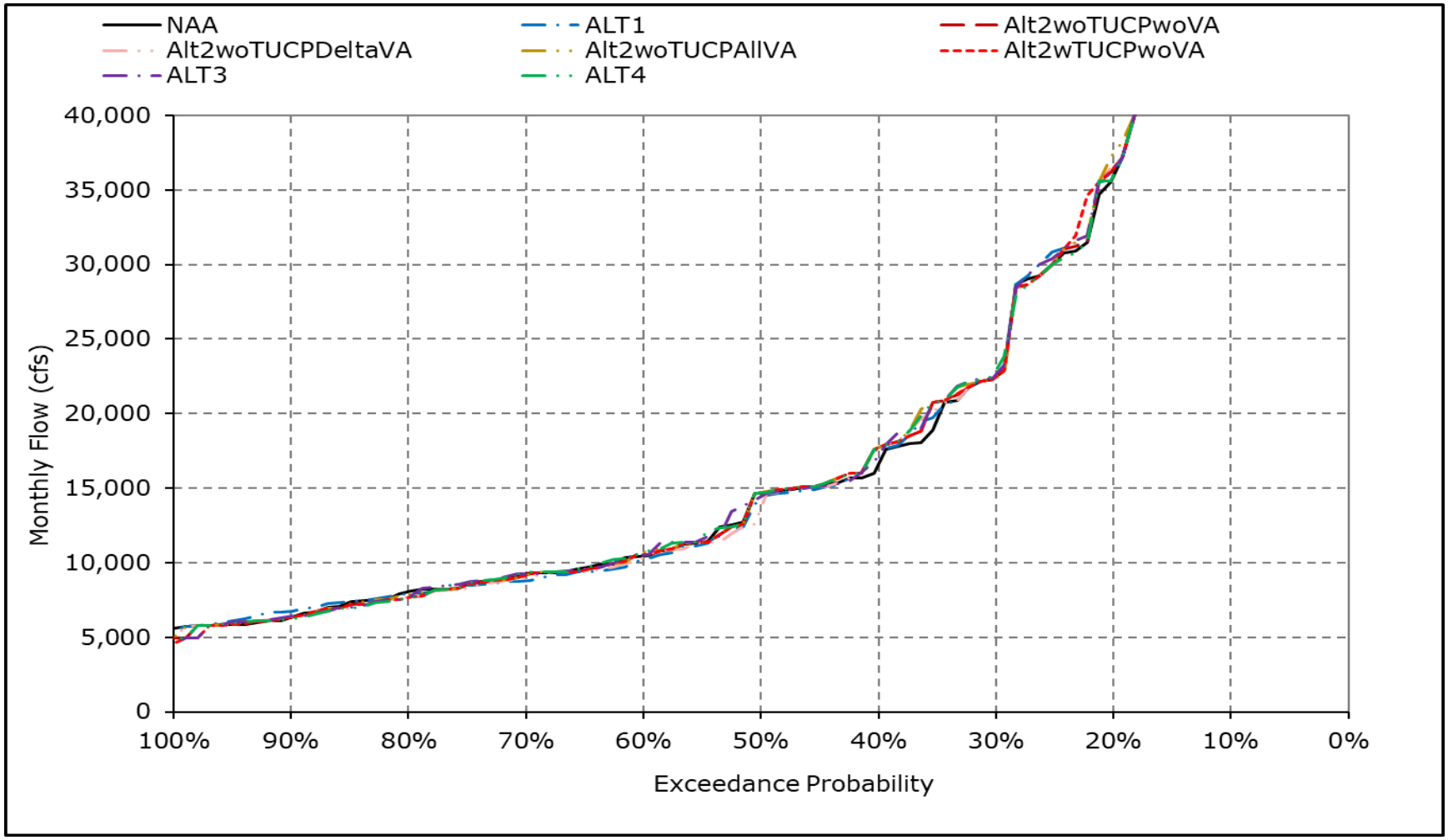
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-9. Sacramento River Flow at Hamilton City, December



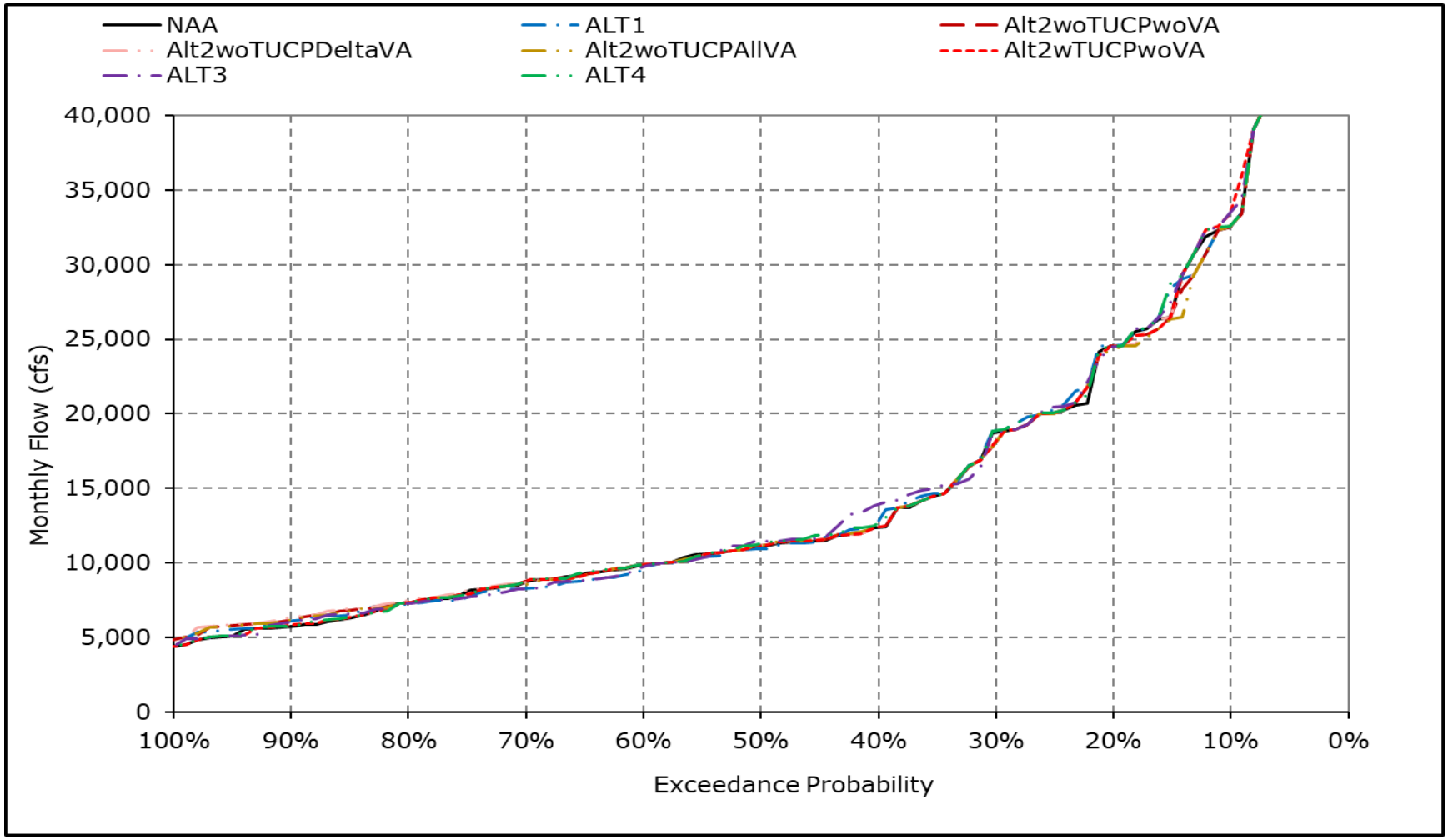
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-10. Sacramento River Flow at Hamilton City, January



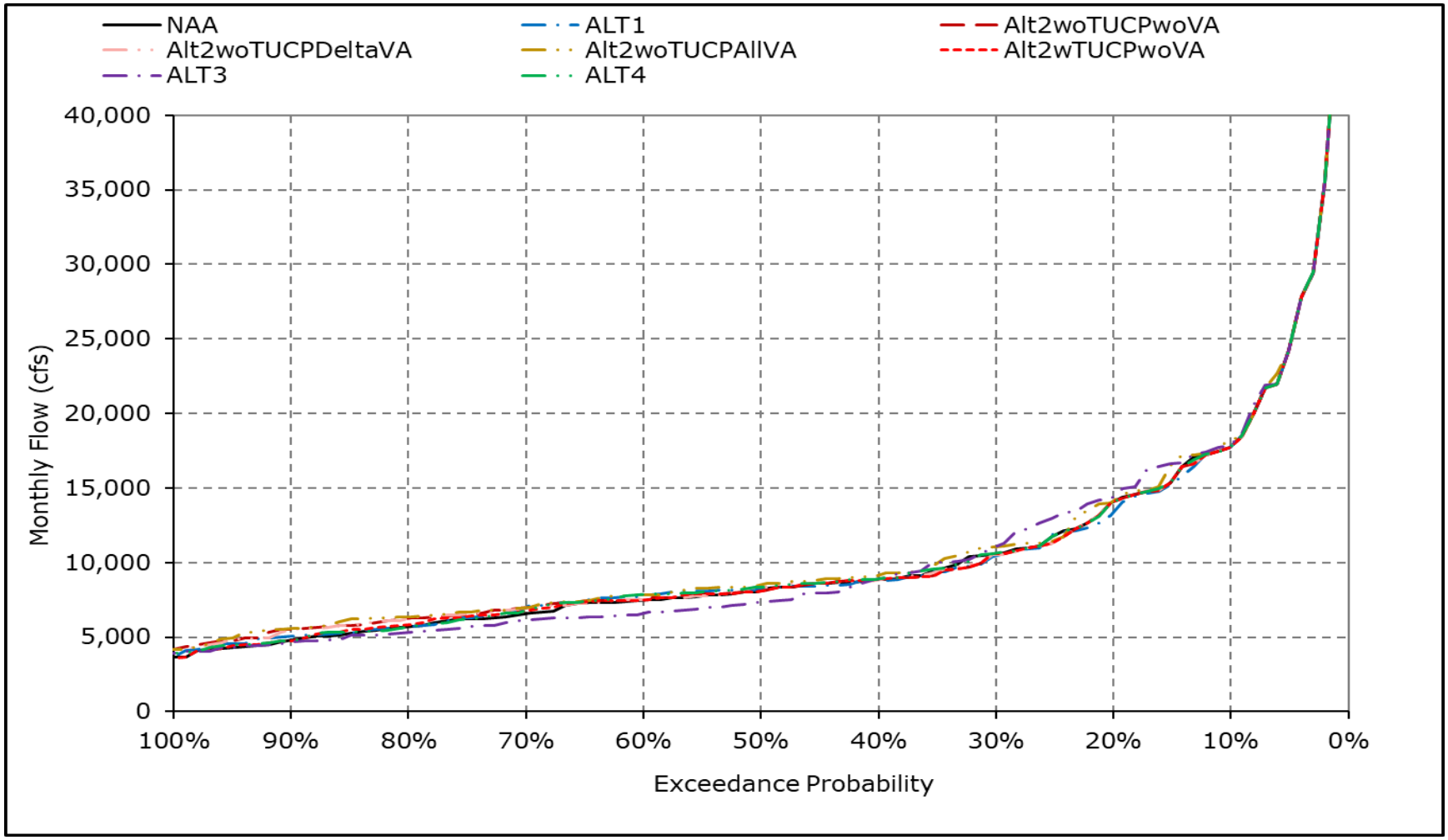
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-11. Sacramento River Flow at Hamilton City, February



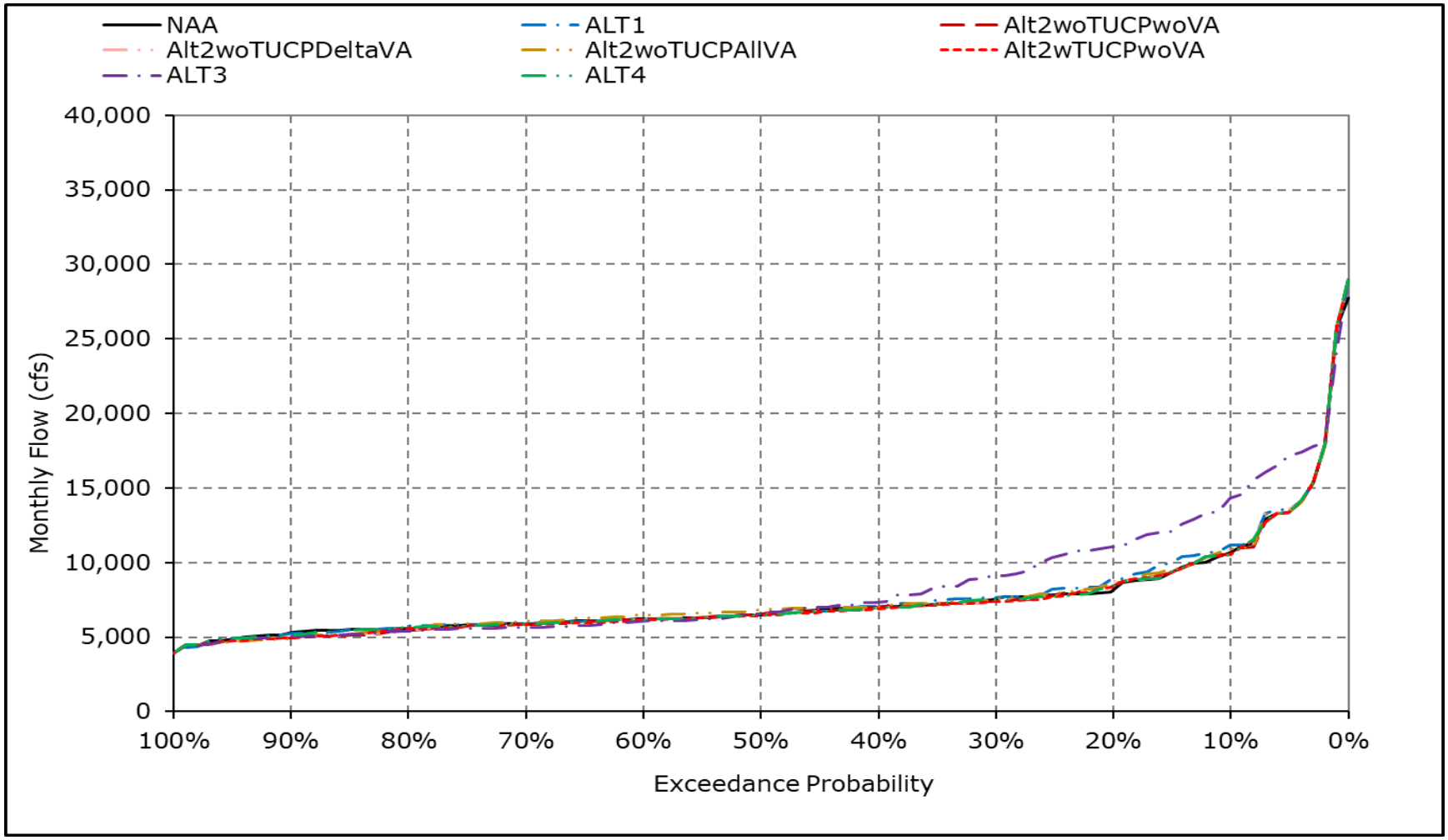
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-12. Sacramento River Flow at Hamilton City, March



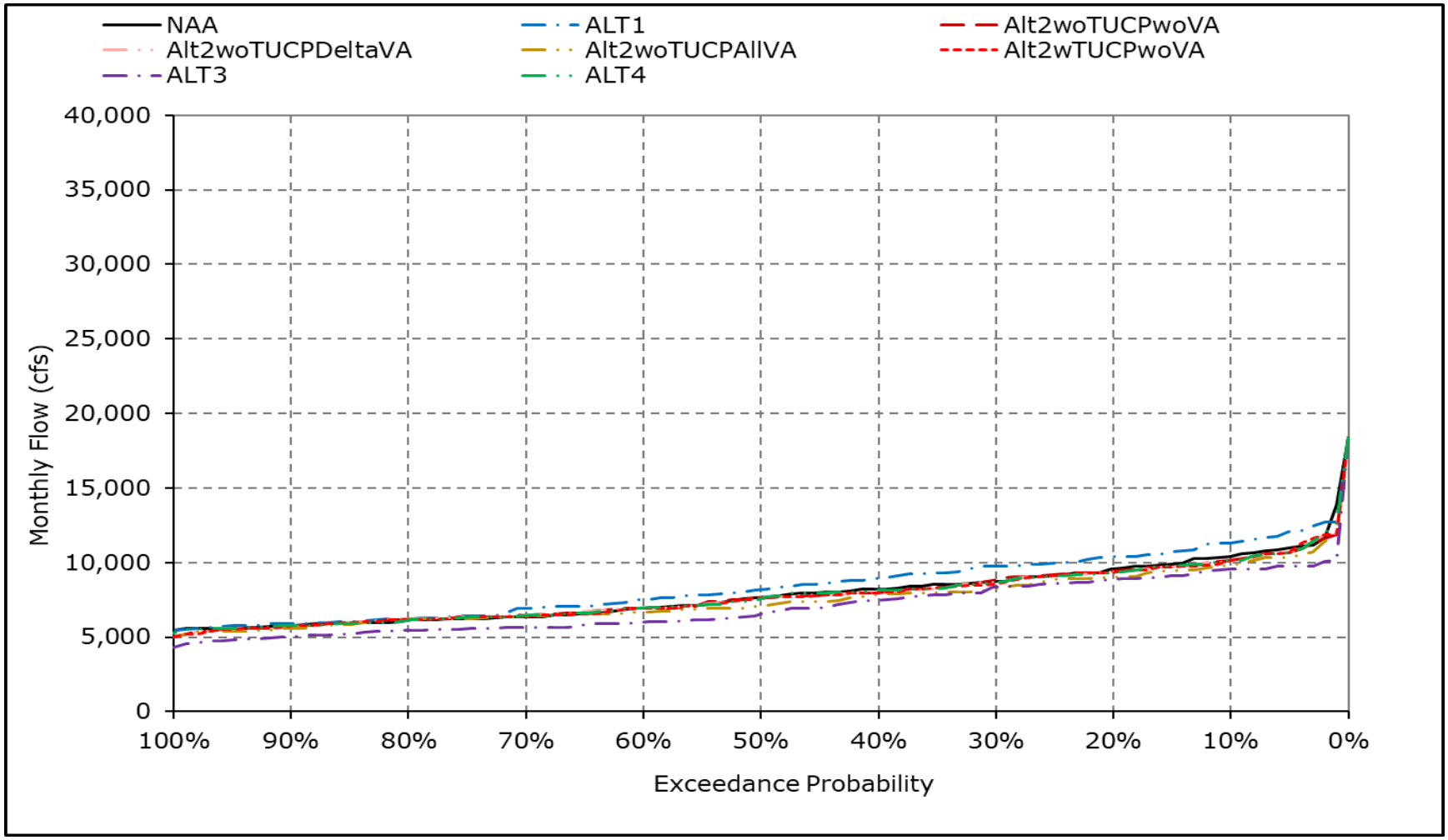
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-13. Sacramento River Flow at Hamilton City, April



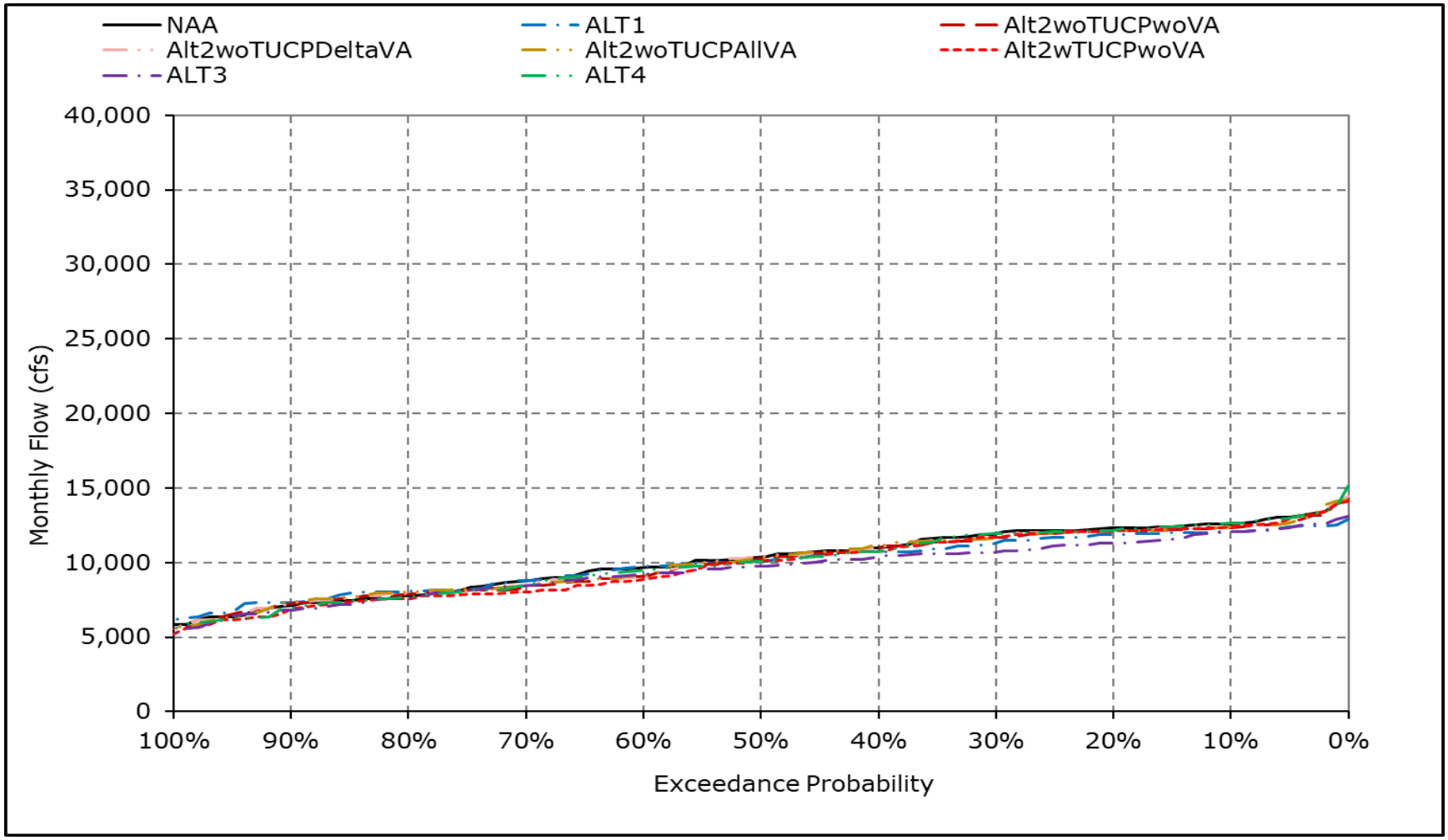
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-14. Sacramento River Flow at Hamilton City, May



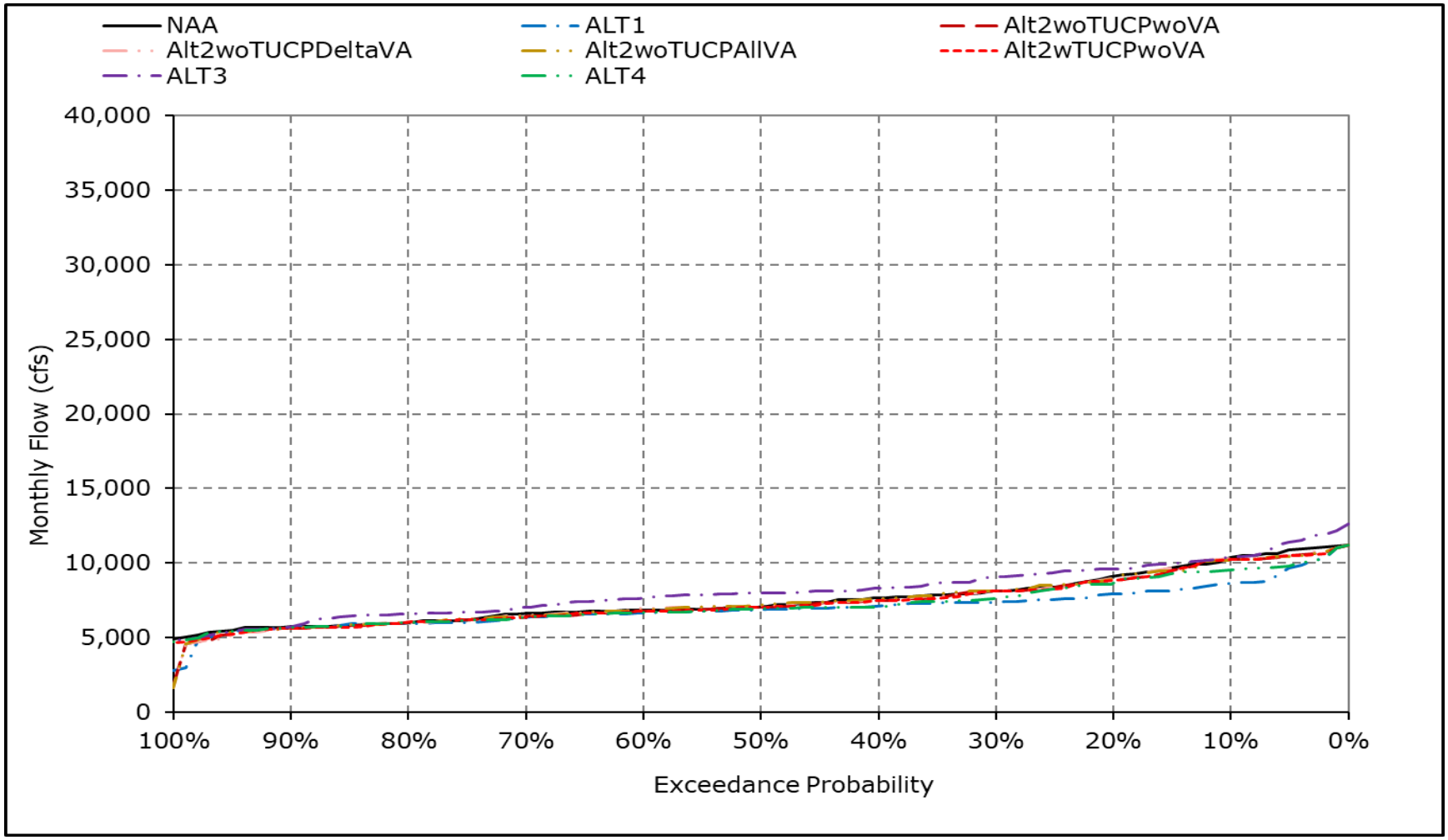
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-15. Sacramento River Flow at Hamilton City, June



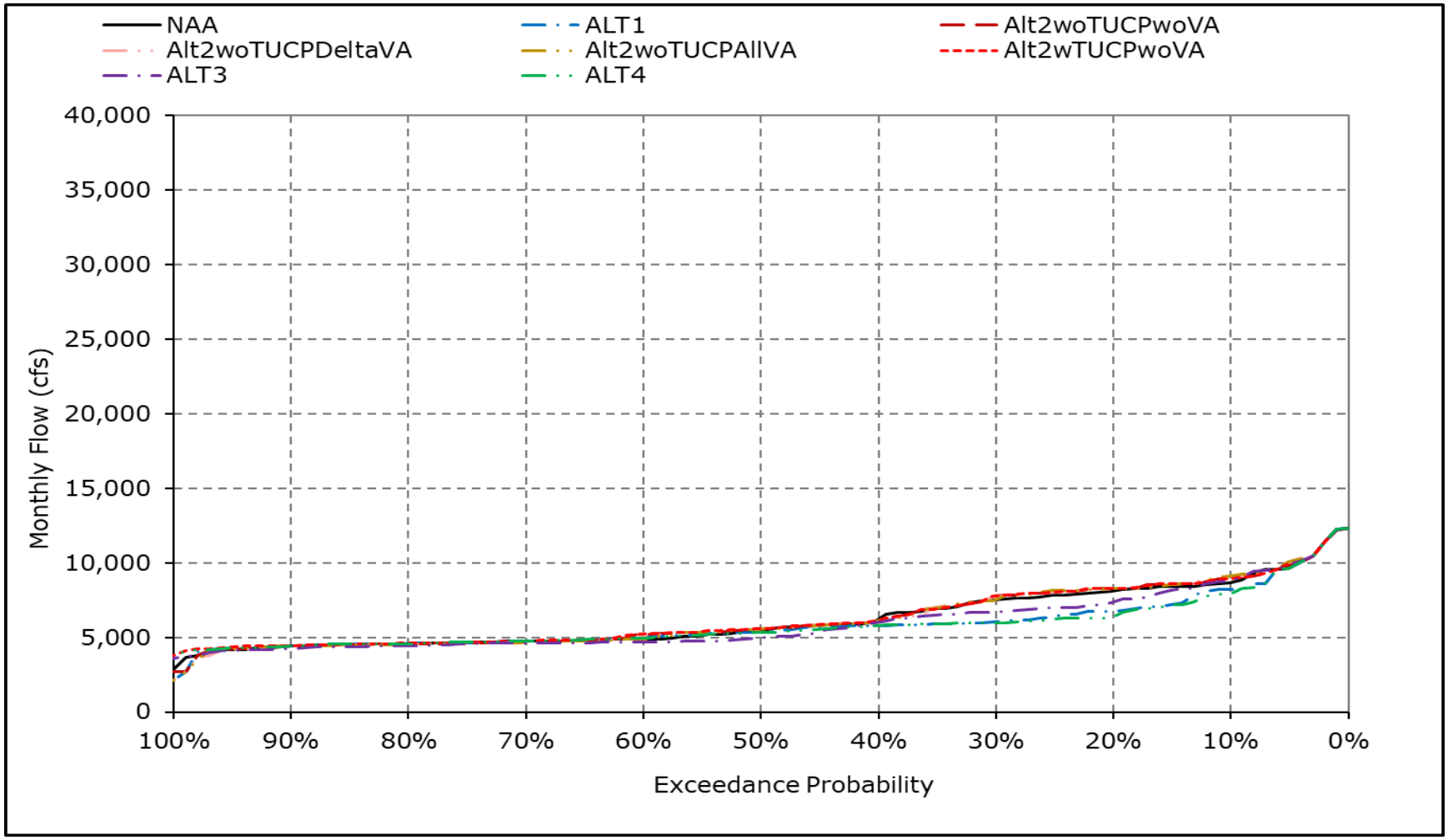
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-16. Sacramento River Flow at Hamilton City, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-17. Sacramento River Flow at Hamilton City, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-18. Sacramento River Flow at Hamilton City, September

Table F.2.2-7-1a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-1b. Sacramento River at Wilkins Slough Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,387	8,895	19,097	21,765	22,375	20,622	17,719	9,664	8,388	9,048	6,288	6,591
20% Exceedance	6,488	6,624	16,754	19,147	20,479	17,798	15,072	6,988	7,640	8,603	5,576	5,345
30% Exceedance	5,763	5,474	11,833	14,378	18,673	16,274	10,802	5,743	7,067	8,239	5,086	4,665
40% Exceedance	4,818	5,008	9,983	12,529	15,129	13,605	8,141	5,024	6,225	7,511	4,857	4,500
50% Exceedance	4,500	4,547	7,984	10,247	12,769	12,095	7,552	4,500	5,720	6,996	4,545	4,201
60% Exceedance	4,000	4,500	6,353	8,181	10,774	10,427	6,748	4,358	5,228	6,547	4,500	3,624
70% Exceedance	3,400	4,000	5,198	6,981	9,938	8,666	6,194	4,000	4,500	5,532	4,500	3,400
80% Exceedance	3,391	3,400	4,500	5,889	8,076	7,346	5,501	3,400	4,500	4,812	4,042	3,310
90% Exceedance	3,250	3,250	3,995	4,915	6,469	5,709	4,638	3,250	3,325	4,500	3,250	3,250
Full Simulation Period Average[a]	5,032	5,632	9,841	12,096	14,158	12,890	9,405	5,744	5,968	6,829	4,838	4,571
Wet Water Years (28%)	6,733	7,242	10,483	18,745	19,907	17,951	14,129	7,665	6,175	7,187	5,402	6,413
Above Normal Water Years (14%)	5,509	5,731	10,383	15,498	18,011	16,140	10,810	6,348	6,753	8,152	5,227	4,690
Below Normal Water Years (18%)	4,897	5,555	10,999	10,976	11,661	11,310	8,225	5,743	6,306	6,934	5,021	4,267
Dry Water Years (24%)	4,218	5,178	9,744	7,049	11,175	10,095	7,168	4,537	5,771	6,269	4,531	3,640
Critical Water Years (16%)	2,846	3,347	6,866	6,312	8,011	7,160	4,588	3,669	4,837	5,771	3,763	2,985

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-1c. Sacramento River at Wilkins Slough Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	121	333	4	1	1	79	-55	1,034	898	-490	-1,684	-1,215
20% Exceedance	-53	23	611	-2	17	17	44	355	741	-434	-1,445	-1,364
30% Exceedance	36	-805	143	45	31	1	144	273	1,182	-532	-1,071	-1,628
40% Exceedance	-597	-773	-144	95	682	197	-487	257	524	-456	-586	-656
50% Exceedance	-8	-915	54	-48	-50	51	218	0	645	-193	-288	201
60% Exceedance	0	-482	199	112	-152	-155	7	-101	728	-52	0	224
70% Exceedance	0	-494	-159	-25	-30	-70	44	0	0	126	14	0
80% Exceedance	66	-323	-77	53	113	-371	463	30	513	147	10	60
90% Exceedance	0	0	532	-88	180	126	325	0	75	590	-75	0
Full Simulation Period Average[a]	-49	-345	146	46	17	14	25	115	558	-181	-532	-418
Wet Water Years (28%)	-13	-225	86	40	-10	-45	-307	250	567	-358	-523	-792
Above Normal Water Years (14%)	-452	-1,307	715	215	-17	-141	-320	323	1,265	-644	-1,296	-1,891
Below Normal Water Years (18%)	24	-117	-97	124	198	101	73	-126	1,007	-526	-1,005	479
Dry Water Years (24%)	105	-197	105	-90	56	27	175	-139	139	-232	28	48
Critical Water Years (16%)	-48	-117	46	27	-166	134	631	351	46	995	-186	-183

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-2a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-2b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,477	8,870	19,088	21,777	22,376	20,543	17,779	8,630	7,292	9,368	7,867	7,589
20% Exceedance	6,608	6,917	16,216	19,154	20,459	17,780	14,908	6,914	6,560	8,905	6,720	7,025
30% Exceedance	5,983	6,387	11,667	14,283	18,610	16,273	10,816	5,323	6,016	8,553	6,012	6,349
40% Exceedance	5,558	6,136	10,147	12,449	14,969	13,449	8,401	4,863	5,629	7,846	5,320	4,500
50% Exceedance	4,502	5,472	8,057	10,307	12,844	12,035	7,359	4,500	4,879	7,069	4,921	4,318
60% Exceedance	4,062	5,026	6,215	8,528	10,844	10,552	6,787	4,402	4,500	6,172	4,500	4,000
70% Exceedance	3,613	4,467	5,577	7,143	9,941	8,959	6,376	4,000	4,500	5,323	4,451	3,400
80% Exceedance	3,250	4,000	4,744	6,028	7,541	7,702	5,671	3,391	4,245	4,764	4,000	3,250
90% Exceedance	3,250	3,250	3,831	5,024	6,343	5,890	4,669	3,250	3,325	4,454	3,250	3,250
Full Simulation Period Average[a]	5,174	6,136	9,825	12,163	14,134	12,937	9,525	5,629	5,368	6,888	5,248	5,030
Wet Water Years (28%)	6,756	7,539	10,535	18,773	19,919	18,001	14,436	7,472	5,577	7,315	5,800	7,162
Above Normal Water Years (14%)	6,331	7,048	9,721	15,274	18,005	16,208	11,118	6,030	5,471	8,646	6,336	6,744
Below Normal Water Years (18%)	4,854	6,008	11,215	10,892	11,472	11,271	8,056	5,766	5,331	6,990	5,724	4,034
Dry Water Years (24%)	4,166	5,366	9,865	7,448	11,163	10,116	6,999	4,471	5,370	6,187	4,577	3,623
Critical Water Years (16%)	3,057	3,990	6,874	6,373	8,072	7,316	4,978	3,637	4,950	5,538	3,802	3,028

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-2c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	211	309	-5	13	3	0	5	0	-198	-170	-105	-216
20% Exceedance	67	316	73	5	-3	-2	-121	281	-339	-133	-301	316
30% Exceedance	255	108	-22	-50	-32	0	158	-147	131	-218	-145	56
40% Exceedance	142	355	21	15	522	42	-227	96	-73	-120	-123	-656
50% Exceedance	-6	10	127	11	25	-8	25	0	-196	-120	88	318
60% Exceedance	62	44	62	459	-82	-30	46	-57	0	-427	0	600
70% Exceedance	213	-26	220	137	-28	223	226	0	0	-83	-35	0
80% Exceedance	-75	277	167	192	-422	-14	634	21	258	100	-32	0
90% Exceedance	0	0	367	21	54	307	356	0	75	544	-75	0
Full Simulation Period Average[a]	92	159	130	114	-7	60	146	0	-43	-123	-121	40
Wet Water Years (28%)	10	72	138	69	2	5	0	56	-30	-229	-125	-42
Above Normal Water Years (14%)	370	10	53	-9	-23	-74	-12	6	-18	-149	-187	163
Below Normal Water Years (18%)	-19	336	119	40	9	62	-96	-104	32	-469	-303	246
Dry Water Years (24%)	53	-9	226	310	44	48	6	-204	-261	-314	75	31
Critical Water Years (16%)	163	526	54	88	-105	290	1,021	319	159	762	-147	-139

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-3a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-3b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,457	8,653	19,084	21,778	22,376	20,545	17,773	8,616	7,362	9,399	7,887	7,708
20% Exceedance	6,651	7,025	16,477	19,154	20,459	17,779	14,933	6,833	6,452	8,933	6,859	6,947
30% Exceedance	6,148	6,399	11,669	14,282	18,616	16,273	10,356	5,361	5,894	8,679	6,022	6,365
40% Exceedance	5,591	6,128	10,145	12,322	14,823	13,451	8,575	4,697	5,506	7,913	5,358	4,500
50% Exceedance	4,503	5,535	8,008	10,306	12,843	12,034	7,578	4,500	4,895	7,140	4,923	4,321
60% Exceedance	4,315	5,007	6,206	8,330	10,736	10,550	6,820	4,405	4,500	6,100	4,637	4,000
70% Exceedance	3,719	4,500	5,678	7,102	9,844	8,973	5,984	4,000	4,500	5,449	4,500	3,400
80% Exceedance	3,250	4,000	4,644	5,938	7,530	7,781	5,452	3,325	4,198	4,815	3,957	3,250
90% Exceedance	3,250	3,397	4,207	4,990	6,344	6,091	4,746	3,250	3,325	4,478	3,260	3,250
Full Simulation Period Average[a]	5,205	6,156	9,809	12,081	14,099	12,966	9,513	5,619	5,351	6,956	5,309	5,016
Wet Water Years (28%)	6,753	7,595	10,472	18,740	19,918	18,001	14,428	7,436	5,563	7,322	5,824	7,176
Above Normal Water Years (14%)	6,358	7,226	9,701	15,262	18,011	16,236	11,104	6,030	5,330	8,732	6,366	6,773
Below Normal Water Years (18%)	4,973	5,937	11,267	10,883	11,532	11,275	8,074	5,738	5,318	7,030	5,861	3,970
Dry Water Years (24%)	4,158	5,349	9,855	7,291	11,168	10,096	6,858	4,490	5,390	6,325	4,625	3,595
Critical Water Years (16%)	3,115	3,954	6,857	6,179	7,780	7,501	5,119	3,636	4,978	5,623	3,888	3,008

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-3c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	192	92	-8	13	3	2	-1	-14	-128	-140	-85	-97
20% Exceedance	110	424	334	5	-3	-2	-95	200	-446	-104	-162	237
30% Exceedance	421	120	-20	-51	-26	0	-302	-109	9	-92	-136	72
40% Exceedance	175	347	18	-112	376	44	-53	-70	-195	-54	-85	-656
50% Exceedance	-6	73	79	11	24	-9	244	0	-181	-49	90	321
60% Exceedance	315	25	53	262	-190	-32	79	-54	0	-499	137	600
70% Exceedance	319	6	321	95	-124	237	-166	0	0	42	14	0
80% Exceedance	-75	277	67	102	-433	64	414	-45	212	150	-75	0
90% Exceedance	0	147	744	-13	55	509	432	0	75	568	-65	0
Full Simulation Period Average[a]	123	179	114	32	-42	90	134	-11	-59	-55	-60	27
Wet Water Years (28%)	7	127	75	35	1	6	-8	20	-44	-222	-100	-28
Above Normal Water Years (14%)	397	188	32	-21	-17	-45	-26	5	-159	-63	-158	192
Below Normal Water Years (18%)	99	265	171	31	69	66	-78	-131	19	-430	-165	182
Dry Water Years (24%)	45	-26	215	152	49	28	-135	-186	-242	-176	123	3
Critical Water Years (16%)	221	490	37	-107	-397	476	1,163	319	187	847	-61	-159

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-4a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-4b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,443	8,672	19,139	21,776	22,377	20,545	18,074	8,692	7,205	9,439	7,786	7,794
20% Exceedance	6,571	7,309	16,607	19,153	20,462	17,765	15,707	6,950	6,467	9,058	6,959	6,995
30% Exceedance	6,049	6,405	11,713	14,283	18,645	16,274	11,051	5,424	5,620	8,668	6,119	6,335
40% Exceedance	5,645	6,144	10,163	12,628	15,188	13,451	8,892	5,250	5,076	8,045	5,550	4,534
50% Exceedance	4,558	5,632	8,000	10,314	12,848	12,024	7,816	4,819	4,620	7,046	4,960	4,350
60% Exceedance	4,000	5,081	6,166	8,565	10,844	10,551	7,275	4,502	4,500	6,172	4,582	3,998
70% Exceedance	3,634	4,364	5,642	7,138	9,940	8,941	6,392	4,034	4,500	5,393	4,500	3,408
80% Exceedance	3,315	3,986	4,652	6,020	7,791	7,705	5,648	3,736	4,000	4,966	4,267	3,283
90% Exceedance	3,250	3,322	3,819	5,043	6,344	5,885	5,095	3,250	3,325	4,477	3,281	3,250
Full Simulation Period Average[a]	5,192	6,187	9,842	12,156	14,171	12,926	9,783	5,813	5,197	7,008	5,369	5,050
Wet Water Years (28%)	6,746	7,602	10,485	18,767	19,920	18,000	14,469	7,487	5,531	7,352	5,840	7,196
Above Normal Water Years (14%)	6,312	7,252	9,744	15,290	18,019	16,144	11,787	6,480	4,999	8,842	6,367	6,811
Below Normal Water Years (18%)	4,928	6,001	11,297	10,893	11,545	11,274	8,793	6,174	5,005	7,122	5,897	4,062
Dry Water Years (24%)	4,169	5,491	9,937	7,285	11,214	10,108	7,016	4,481	5,229	6,364	4,683	3,627
Critical Water Years (16%)	3,127	3,817	6,842	6,571	8,132	7,315	5,095	3,891	4,955	5,640	4,110	3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-4c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	178	110	46	12	4	2	300	62	-285	-99	-186	-11
20% Exceedance	30	708	464	4	0	-16	679	317	-432	20	-62	285
30% Exceedance	321	126	24	-50	3	1	393	-46	-265	-103	-39	42
40% Exceedance	230	363	36	194	741	43	264	483	-625	78	107	-622
50% Exceedance	50	170	71	18	29	-19	482	319	-455	-142	127	350
60% Exceedance	0	99	13	496	-82	-31	534	42	0	-427	82	598
70% Exceedance	234	-129	285	132	-29	205	242	34	0	-14	14	8
80% Exceedance	-10	263	75	184	-171	-11	610	366	13	302	235	33
90% Exceedance	0	72	355	40	55	303	781	0	75	567	-44	0
Full Simulation Period Average[a]	111	210	147	107	30	50	404	184	-213	-3	0	61
Wet Water Years (28%)	-1	134	88	63	3	5	33	72	-76	-193	-85	-8
Above Normal Water Years (14%)	351	213	75	6	-9	-137	656	455	-489	46	-157	230
Below Normal Water Years (18%)	55	328	201	41	82	65	641	305	-294	-337	-129	274
Dry Water Years (24%)	56	116	298	147	95	40	23	-195	-403	-137	180	34
Critical Water Years (16%)	233	353	21	285	-44	290	1,138	574	164	863	161	-165

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-5a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-5b. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,482	8,875	19,088	21,777	22,377	20,550	17,782	8,631	7,189	9,399	7,868	7,588
20% Exceedance	6,605	6,919	16,209	19,148	20,460	17,781	14,909	6,915	6,534	8,906	6,687	7,015
30% Exceedance	5,990	6,336	11,684	14,285	18,613	16,273	10,828	5,304	5,927	8,553	5,952	6,364
40% Exceedance	5,558	6,146	10,149	12,459	14,973	13,449	8,403	4,773	5,562	7,783	5,270	4,500
50% Exceedance	4,502	5,493	8,059	10,308	12,851	12,035	7,360	4,500	4,879	6,926	4,917	4,492
60% Exceedance	4,132	4,930	6,215	8,529	10,844	10,553	6,787	4,161	4,500	5,977	4,500	4,000
70% Exceedance	3,664	4,239	5,594	7,147	9,942	8,960	6,315	4,000	4,500	4,916	4,337	3,400
80% Exceedance	3,308	3,910	4,745	5,972	7,541	7,706	5,432	3,367	4,000	4,506	3,769	3,250
90% Exceedance	3,250	3,272	3,990	5,016	6,344	5,672	4,318	3,250	3,393	3,781	3,250	3,250
Full Simulation Period Average[a]	5,221	6,145	9,843	12,147	14,125	12,874	9,409	5,599	5,339	6,754	5,251	5,087
Wet Water Years (28%)	6,758	7,536	10,545	18,778	19,920	18,002	14,437	7,471	5,576	7,316	5,800	7,163
Above Normal Water Years (14%)	6,340	7,042	9,720	15,317	18,012	16,312	11,135	6,032	5,470	8,649	6,357	6,780
Below Normal Water Years (18%)	4,895	6,075	11,224	10,902	11,479	11,274	8,049	5,817	5,338	7,163	5,825	4,103
Dry Water Years (24%)	4,171	5,370	9,856	7,450	11,178	10,113	7,020	4,476	5,373	6,160	4,575	3,626
Critical Water Years (16%)	3,299	3,975	6,980	6,213	7,983	6,834	4,212	3,383	4,760	4,545	3,689	3,271

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-5c. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	216	314	-4	13	3	7	8	1	-301	-139	-104	-217
20% Exceedance	64	318	66	-1	-2	-1	-120	282	-365	-131	-334	305
30% Exceedance	263	58	-5	-48	-29	0	170	-166	42	-218	-206	71
40% Exceedance	142	365	22	25	526	42	-225	6	-139	-183	-173	-656
50% Exceedance	-6	31	130	12	32	-8	26	0	-196	-263	84	492
60% Exceedance	132	-52	61	460	-81	-29	47	-298	0	-622	0	600
70% Exceedance	264	-255	238	140	-27	223	165	0	0	-490	-150	0
80% Exceedance	-17	186	168	136	-422	-11	395	-3	13	-158	-263	0
90% Exceedance	0	22	527	13	55	89	5	0	143	-129	-75	0
Full Simulation Period Average[a]	139	168	148	97	-15	-2	30	-30	-71	-257	-118	98
Wet Water Years (28%)	12	68	148	73	3	6	1	55	-31	-228	-125	-42
Above Normal Water Years (14%)	380	4	52	33	-16	31	4	7	-18	-146	-166	199
Below Normal Water Years (18%)	22	402	128	50	16	65	-103	-52	39	-297	-201	315
Dry Water Years (24%)	59	-5	216	311	59	45	26	-200	-259	-341	73	34
Critical Water Years (16%)	405	511	160	-72	-193	-192	255	65	-31	-231	-260	104

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-6a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-6b. Sacramento River at Wilkins Slough Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,279	8,851	19,238	21,766	22,380	20,520	18,095	12,888	6,575	8,502	8,019	7,592
20% Exceedance	6,705	6,501	17,481	19,155	20,470	17,767	16,512	10,282	6,042	8,088	7,430	6,141
30% Exceedance	5,743	5,544	11,998	14,510	18,459	16,387	11,075	7,347	5,756	7,551	6,952	5,414
40% Exceedance	5,130	5,028	10,556	12,644	14,791	13,698	8,306	5,462	5,083	7,110	6,182	4,554
50% Exceedance	4,430	4,648	8,027	10,278	12,813	12,399	6,972	4,292	4,123	6,529	5,753	3,395
60% Exceedance	3,859	4,318	6,140	8,820	10,849	10,181	6,159	3,673	3,550	5,961	5,423	3,250
70% Exceedance	3,250	3,889	5,460	7,135	10,080	8,766	5,601	3,338	3,250	5,431	4,972	3,250
80% Exceedance	3,250	3,320	4,308	6,107	7,876	7,499	4,625	3,323	3,250	4,713	4,537	3,250
90% Exceedance	3,250	3,250	3,505	5,342	6,355	5,640	3,954	3,250	3,250	3,768	4,134	3,250
Full Simulation Period Average[a]	5,091	5,739	9,891	12,239	14,150	12,899	9,331	6,512	4,724	6,417	5,961	4,669
Wet Water Years (28%)	6,511	6,912	10,384	18,849	19,972	18,080	14,600	9,983	4,462	6,842	5,535	6,559
Above Normal Water Years (14%)	5,957	5,940	10,209	15,474	18,050	16,455	11,385	8,240	3,956	6,514	6,294	5,642
Below Normal Water Years (18%)	4,740	5,770	11,302	10,969	11,732	11,266	7,706	5,620	4,567	6,312	6,665	3,934
Dry Water Years (24%)	4,229	5,307	9,834	7,285	11,127	10,023	6,487	4,274	5,193	6,575	6,432	3,394
Critical Water Years (16%)	3,378	4,003	7,051	6,702	7,801	6,871	4,406	3,286	5,326	5,470	4,918	3,250

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-6c. Sacramento River at Wilkins Slough Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	290	146	1	6	-23	321	4,258	-916	-1,036	47	-213
20% Exceedance	164	-100	1,338	6	8	-14	1,483	3,649	-856	-949	409	-568
30% Exceedance	15	-735	309	177	-183	114	417	1,877	-129	-1,220	795	-879
40% Exceedance	-286	-753	429	210	344	291	-322	695	-619	-856	739	-602
50% Exceedance	-78	-814	98	-17	-5	356	-362	-208	-953	-660	920	-605
60% Exceedance	-141	-664	-13	751	-77	-401	-581	-786	-950	-638	923	-150
70% Exceedance	-150	-605	103	128	112	30	-549	-662	-1,250	24	485	-150
80% Exceedance	-75	-404	-269	271	-86	-217	-413	-47	-737	49	505	0
90% Exceedance	0	0	42	338	66	57	-359	0	0	-142	809	0
Full Simulation Period Average[a]	10	-238	196	190	9	22	-49	883	-687	-594	592	-320
Wet Water Years (28%)	-236	-556	-13	144	55	84	163	2,567	-1,146	-702	-390	-645
Above Normal Water Years (14%)	-4	-1,098	540	190	22	173	254	2,215	-1,533	-2,281	-229	-939
Below Normal Water Years (18%)	-134	97	206	117	270	57	-446	-250	-732	-1,148	639	147
Dry Water Years (24%)	116	-68	195	147	8	-45	-506	-402	-439	74	1,930	-198
Critical Water Years (16%)	484	539	230	416	-376	-155	449	-31	535	694	969	82

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-7a. Sacramento River at Wilkins Slough Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,266	8,562	19,092	21,764	22,374	20,542	17,774	8,630	7,490	9,538	7,972	7,805
20% Exceedance	6,541	6,601	16,143	19,149	20,462	17,781	15,029	6,633	6,898	9,038	7,021	6,710
30% Exceedance	5,728	6,279	11,689	14,333	18,642	16,273	10,658	5,470	5,885	8,771	6,158	6,293
40% Exceedance	5,416	5,781	10,127	12,434	14,447	13,407	8,628	4,767	5,701	7,966	5,443	5,156
50% Exceedance	4,508	5,462	7,930	10,296	12,819	12,043	7,334	4,500	5,076	7,189	4,833	4,000
60% Exceedance	4,000	4,982	6,154	8,069	10,926	10,582	6,741	4,459	4,500	6,599	4,500	3,400
70% Exceedance	3,400	4,494	5,357	7,006	9,969	8,736	6,150	4,000	4,500	5,407	4,486	3,400
80% Exceedance	3,325	3,723	4,577	5,836	7,962	7,716	5,038	3,370	3,987	4,665	4,032	3,250
90% Exceedance	3,250	3,250	3,464	5,003	6,289	5,582	4,313	3,250	3,250	3,910	3,325	3,250
Full Simulation Period Average[a]	5,082	5,977	9,695	12,049	14,141	12,876	9,379	5,629	5,410	7,011	5,369	4,989
Wet Water Years (28%)	6,747	7,468	10,397	18,705	19,917	17,996	14,436	7,416	5,607	7,544	5,925	7,204
Above Normal Water Years (14%)	5,961	7,038	9,668	15,284	18,028	16,281	11,131	6,025	5,489	8,795	6,524	6,581
Below Normal Water Years (18%)	4,873	5,672	11,096	10,852	11,463	11,209	8,152	5,869	5,299	7,459	6,026	3,788
Dry Water Years (24%)	4,113	5,375	9,640	7,139	11,119	10,068	6,993	4,676	5,632	6,501	4,502	3,592
Critical Water Years (16%)	2,894	3,464	6,820	6,285	8,177	7,026	3,957	3,317	4,791	4,776	3,949	3,168

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-7b. Sacramento River at Wilkins Slough Flow, Alternative 4, Monthly Flow (cfs)

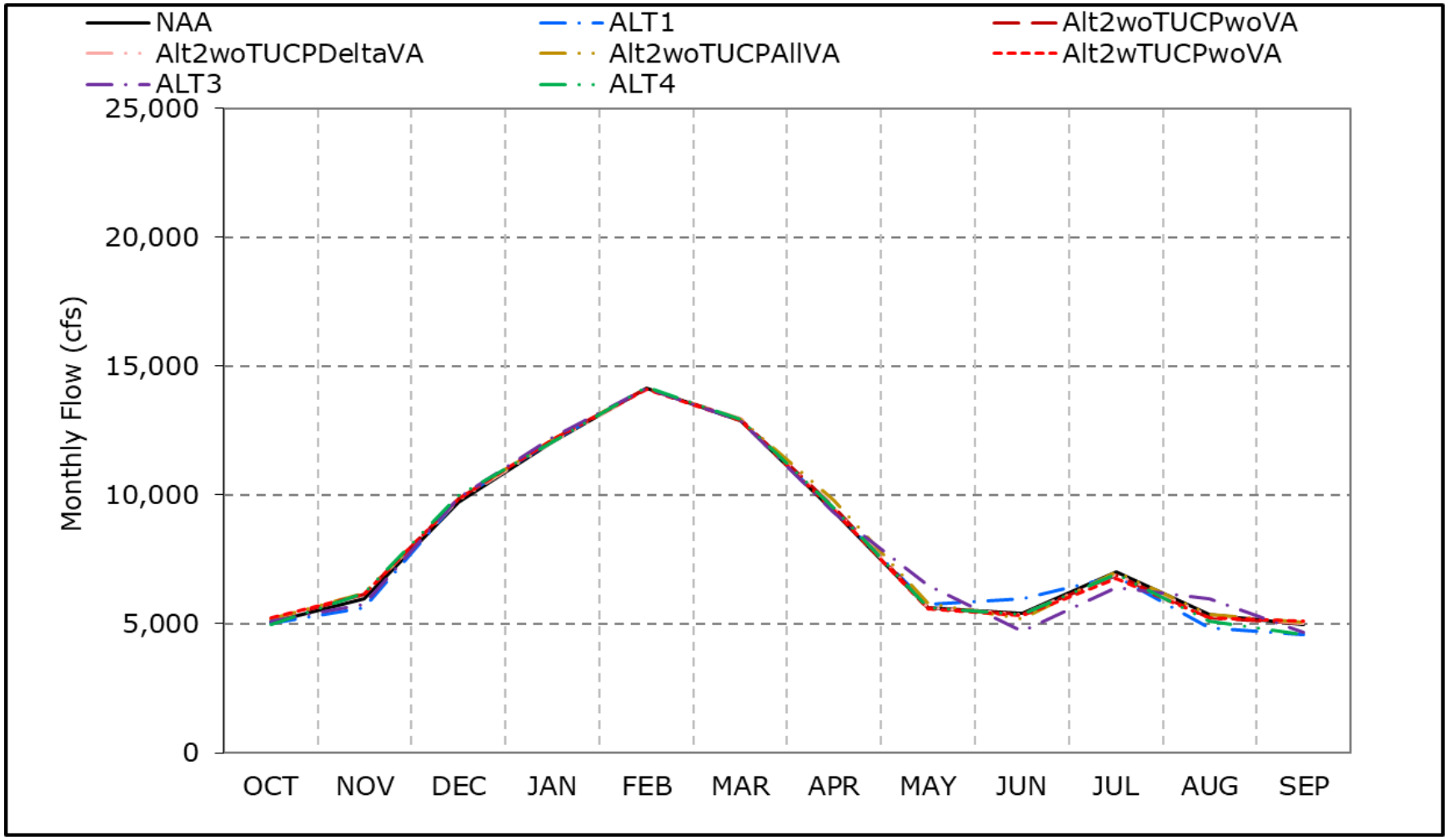
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,264	9,963	19,098	21,771	22,376	20,655	17,791	8,647	7,243	9,468	7,196	6,610
20% Exceedance	6,156	7,026	16,353	19,157	20,450	17,784	14,989	6,918	6,617	9,115	6,618	5,468
30% Exceedance	5,150	6,600	11,845	14,404	18,675	16,275	10,811	5,486	5,955	8,649	5,709	4,514
40% Exceedance	4,605	6,091	10,161	12,454	15,237	13,456	8,788	4,792	5,535	7,600	4,931	4,500
50% Exceedance	4,500	5,289	8,391	10,314	12,855	12,364	7,674	4,500	5,026	7,085	4,554	4,005
60% Exceedance	4,000	4,904	6,430	7,925	10,897	10,556	6,828	4,266	4,500	6,345	4,500	3,825
70% Exceedance	3,569	4,500	5,695	7,093	9,954	9,009	6,231	4,000	4,500	5,396	4,499	3,400
80% Exceedance	3,388	3,946	4,745	5,958	8,131	7,715	5,356	3,411	4,000	4,724	4,000	3,250
90% Exceedance	3,250	3,287	4,482	5,030	5,946	5,753	4,073	3,250	3,400	3,934	3,250	3,250
Full Simulation Period Average[a]	4,959	6,196	9,989	12,081	14,175	12,923	9,480	5,648	5,364	6,920	5,109	4,582
Wet Water Years (28%)	6,419	7,785	10,806	18,783	19,912	18,021	14,471	7,476	5,617	7,466	5,559	6,455
Above Normal Water Years (14%)	5,119	6,988	10,209	15,181	18,013	16,399	11,162	6,064	5,560	8,836	5,788	4,811
Below Normal Water Years (18%)	4,948	5,990	11,168	10,904	11,507	11,294	8,316	5,841	5,314	7,536	5,952	3,870
Dry Water Years (24%)	4,202	5,335	9,911	7,131	11,215	10,181	7,029	4,648	5,455	6,305	4,492	3,678
Critical Water Years (16%)	3,300	4,062	6,956	6,388	8,219	6,903	4,260	3,367	4,671	4,517	3,703	3,259

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-7-7c. Sacramento River at Wilkins Slough Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

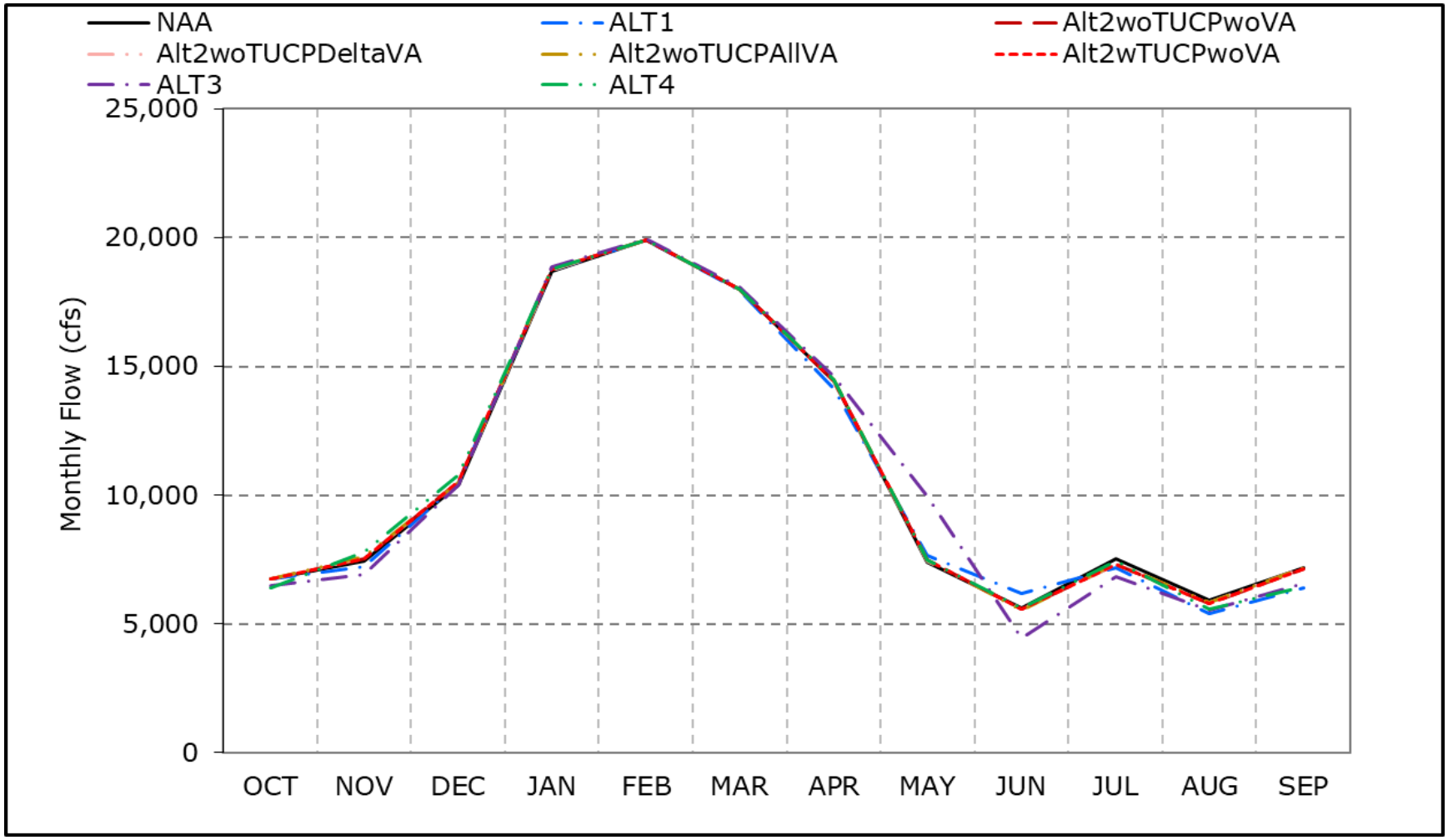
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	1,401	6	6	2	112	17	17	-247	-70	-776	-1,195
20% Exceedance	-385	425	210	8	-12	3	-40	285	-282	77	-403	-1,241
30% Exceedance	-578	321	156	71	33	1	153	16	70	-122	-449	-1,778
40% Exceedance	-811	311	34	20	790	49	160	25	-166	-366	-512	-656
50% Exceedance	-8	-173	461	19	37	321	340	0	-49	-103	-279	5
60% Exceedance	0	-78	277	-143	-29	-26	87	-193	0	-254	0	425
70% Exceedance	169	6	338	87	-15	272	81	0	0	-10	13	0
80% Exceedance	63	223	168	122	168	-1	318	41	13	59	-32	0
90% Exceedance	0	37	1,019	27	-343	171	-240	0	150	25	-75	0
Full Simulation Period Average[a]	-122	219	294	31	34	47	100	19	-46	-91	-261	-407
Wet Water Years (28%)	-328	317	409	78	-5	26	34	61	9	-79	-366	-749
Above Normal Water Years (14%)	-842	-50	540	-103	-15	118	32	39	71	41	-735	-1,771
Below Normal Water Years (18%)	75	318	72	52	44	85	163	-28	15	76	-74	83
Dry Water Years (24%)	89	-40	272	-8	96	113	36	-28	-177	-196	-10	86
Critical Water Years (16%)	406	599	135	103	43	-123	303	50	-120	-259	-246	92

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



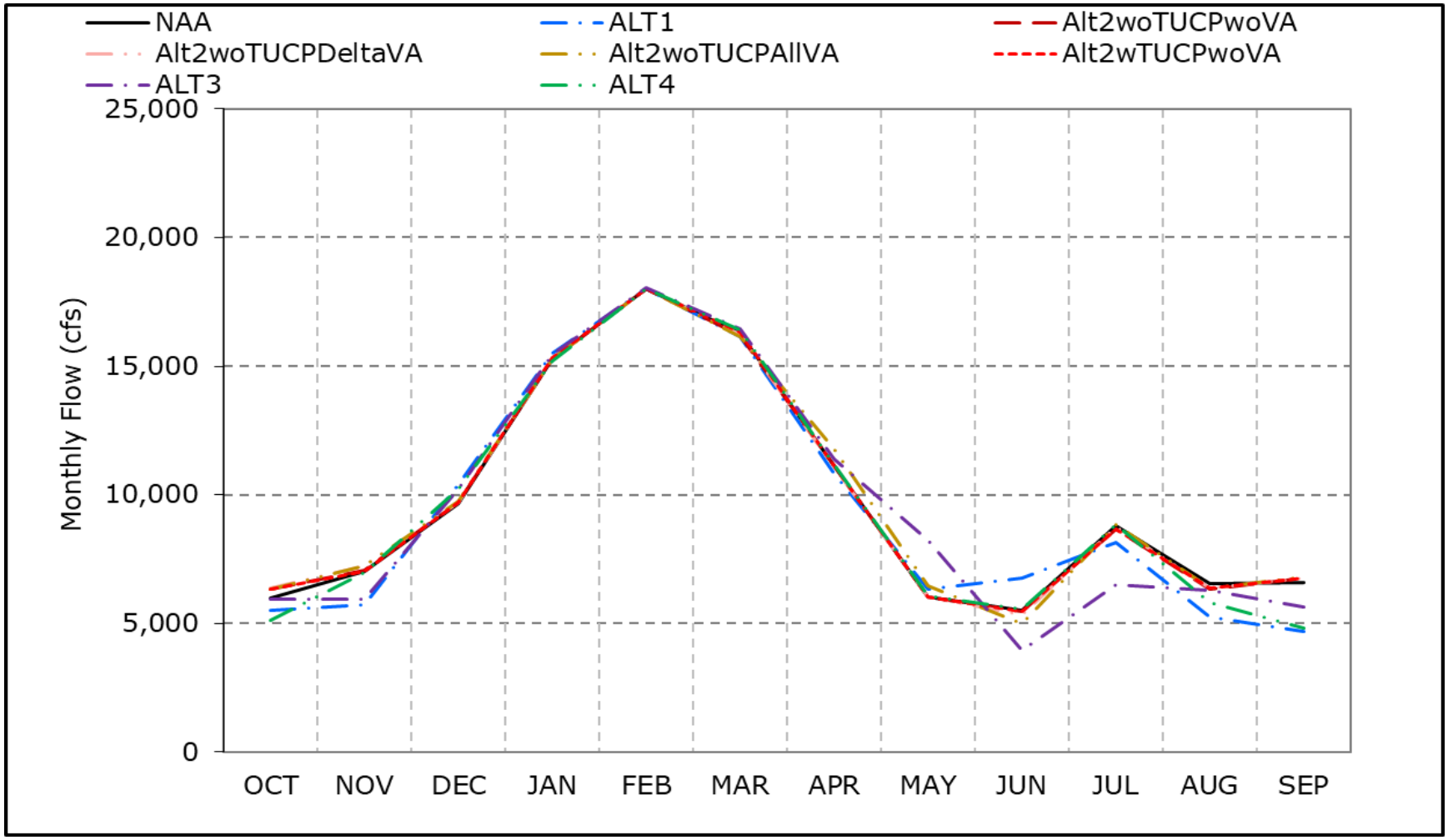
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-1. Sacramento River at Wilkins Slough Flow, Long-Term Average Flow



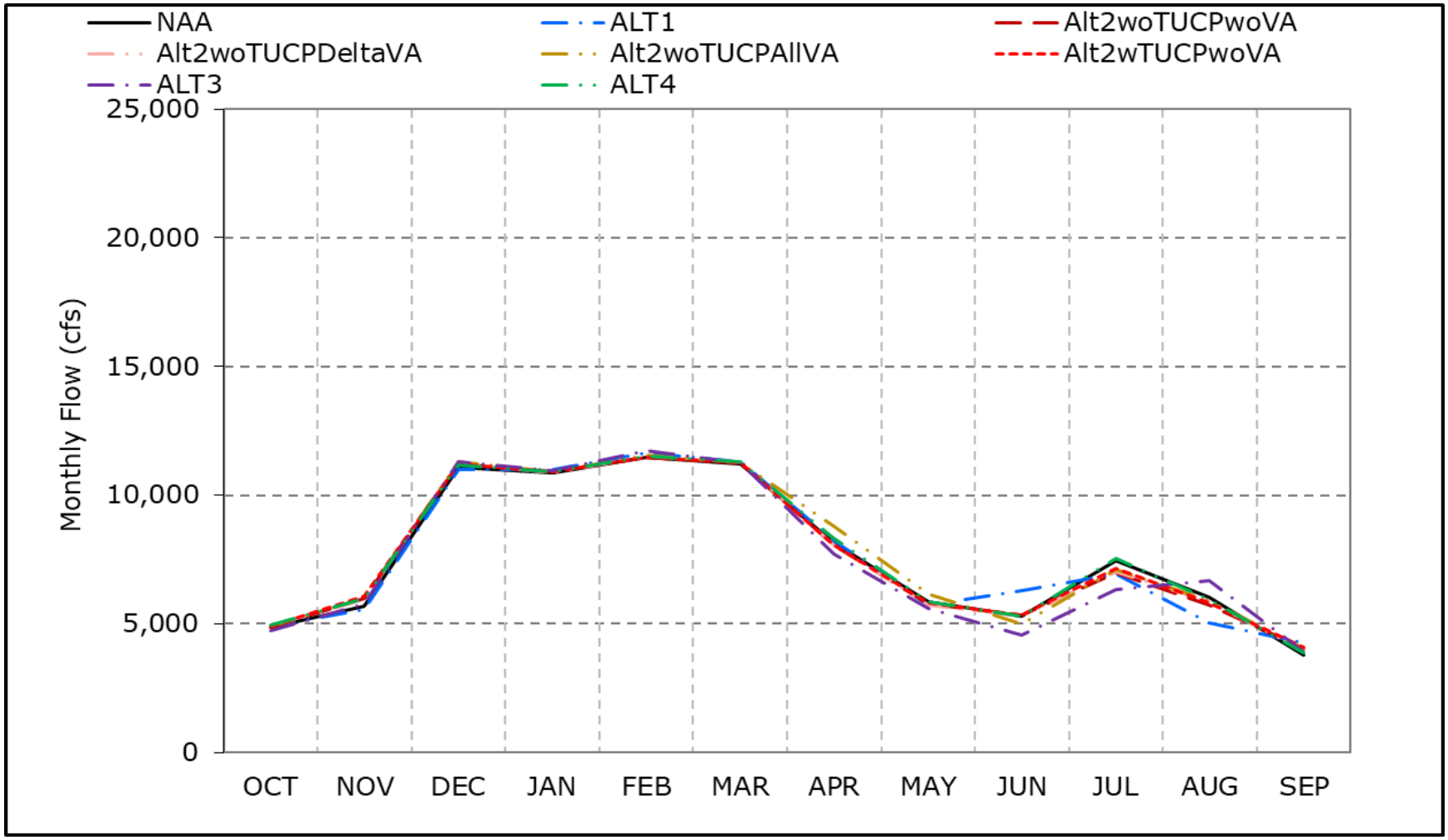
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-2. Sacramento River at Wilkins Slough Flow, Wet Year Average Flow



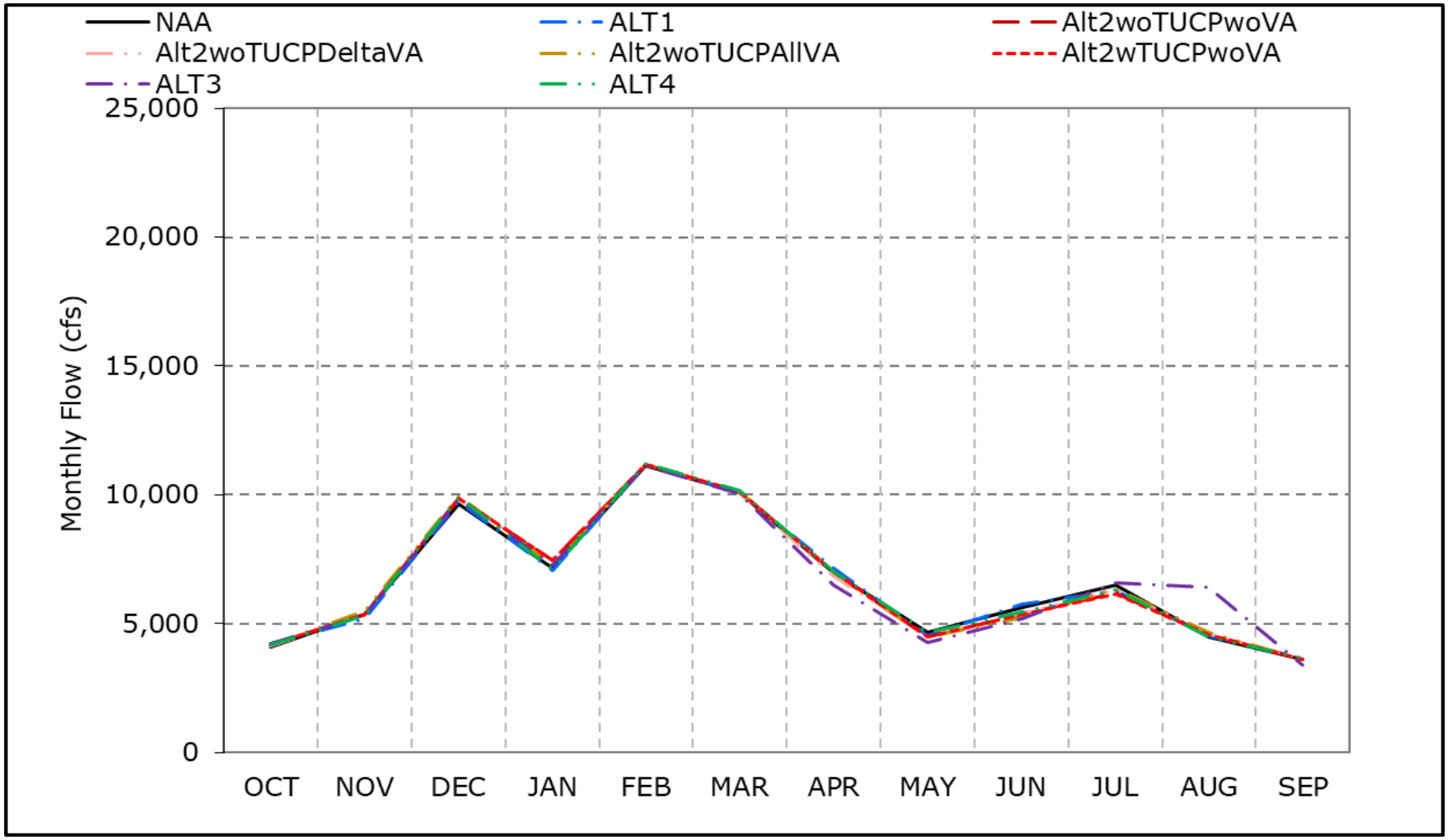
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-3. Sacramento River at Wilkins Slough Flow, Above Normal Year Average Flow



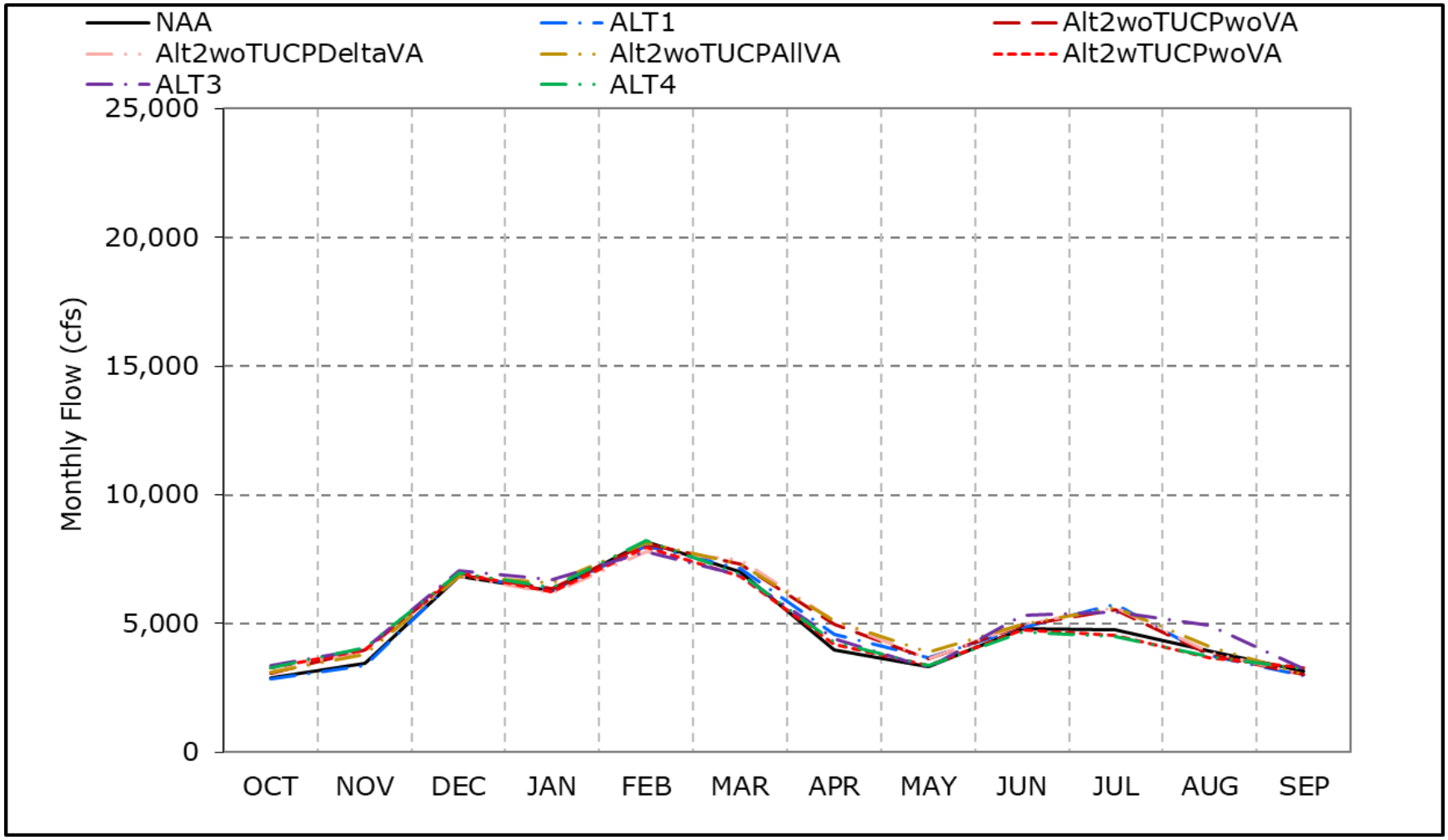
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-4. Sacramento River at Wilkins Slough Flow, Below Normal Year Average Flow



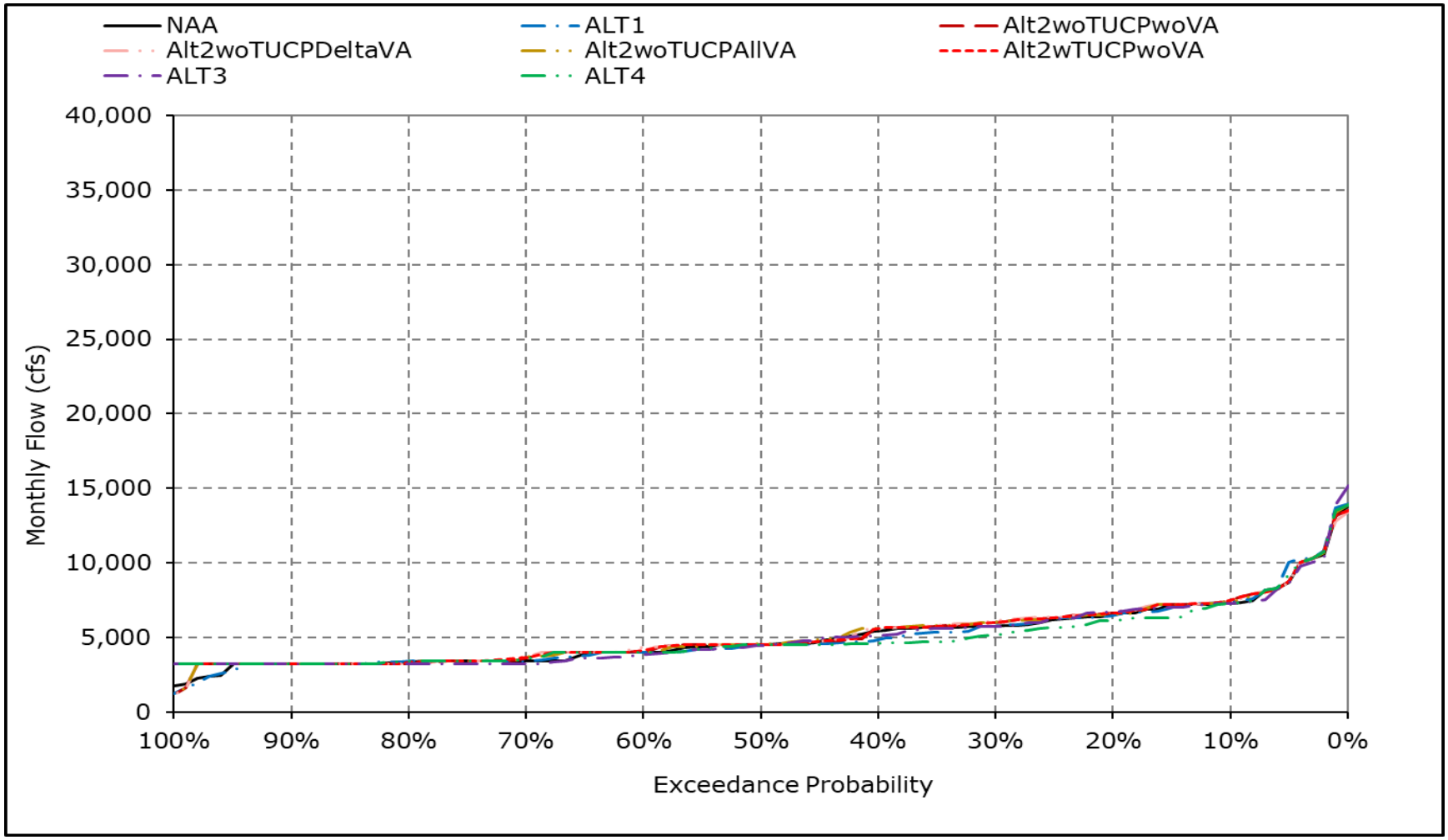
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-5. Sacramento River at Wilkins Slough Flow, Dry Year Average Flow



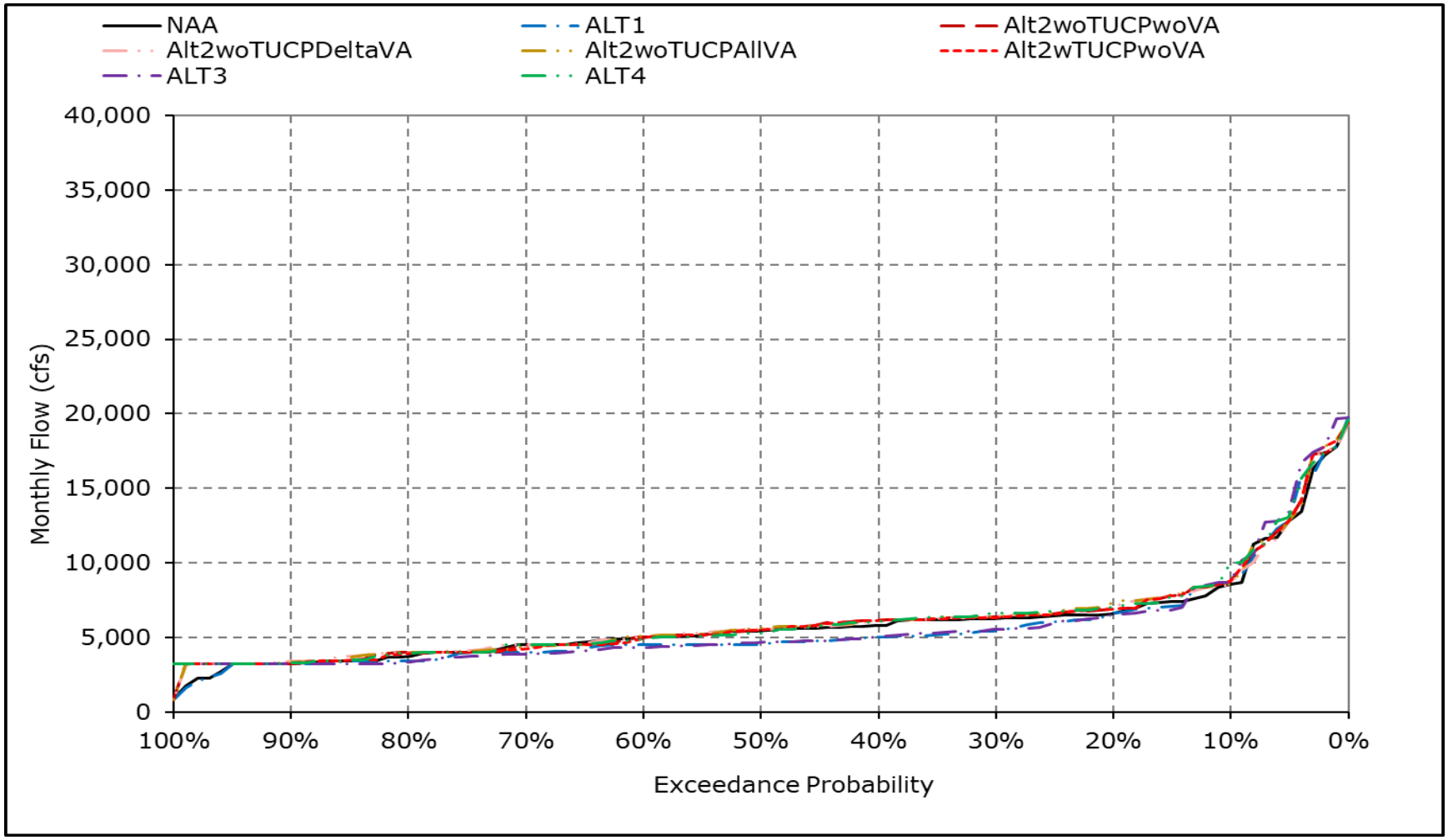
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-6. Sacramento River at Wilkins Slough Flow, Critical Year Average Flow



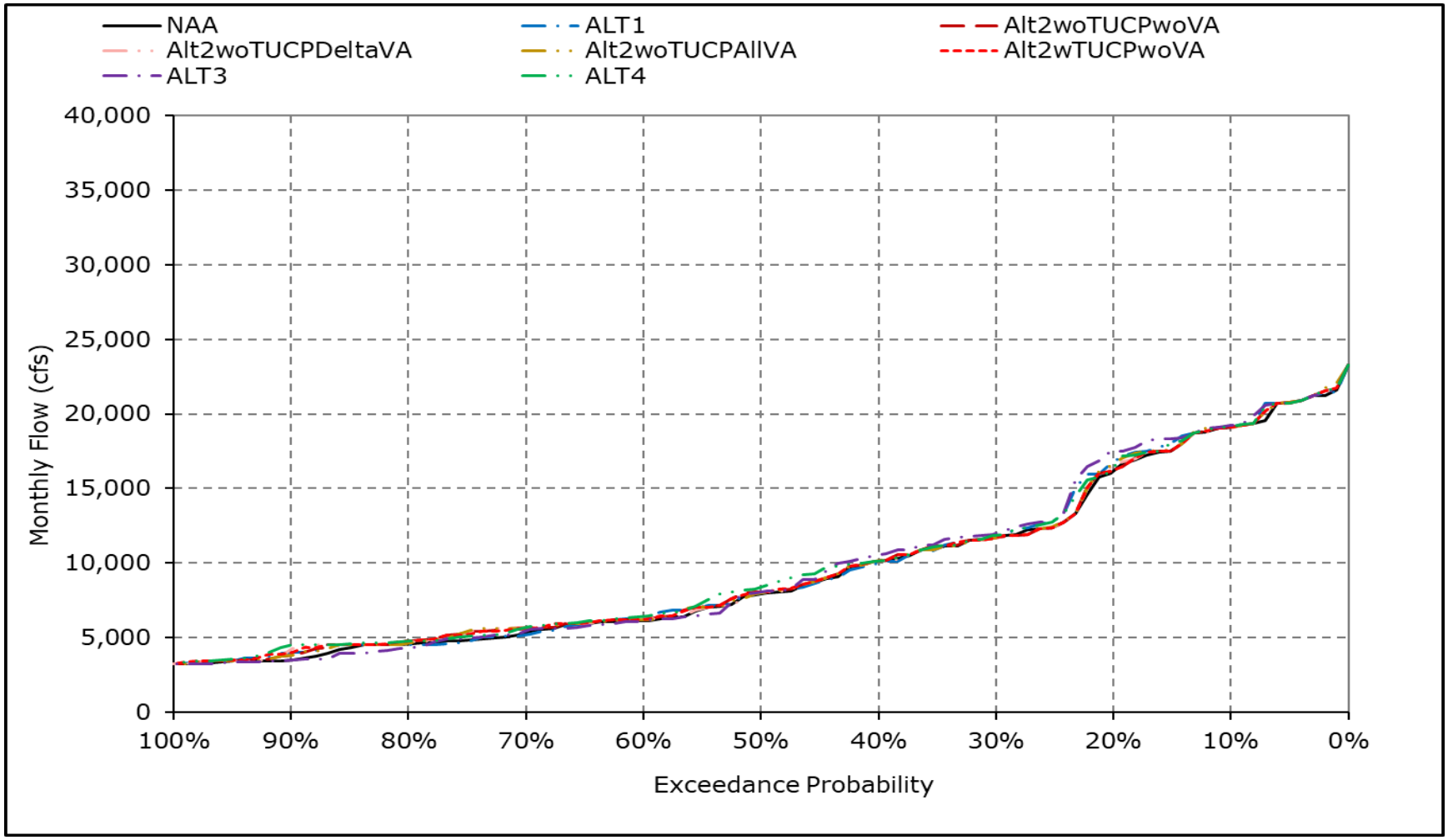
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-7. Sacramento River at Wilkins Slough Flow, October



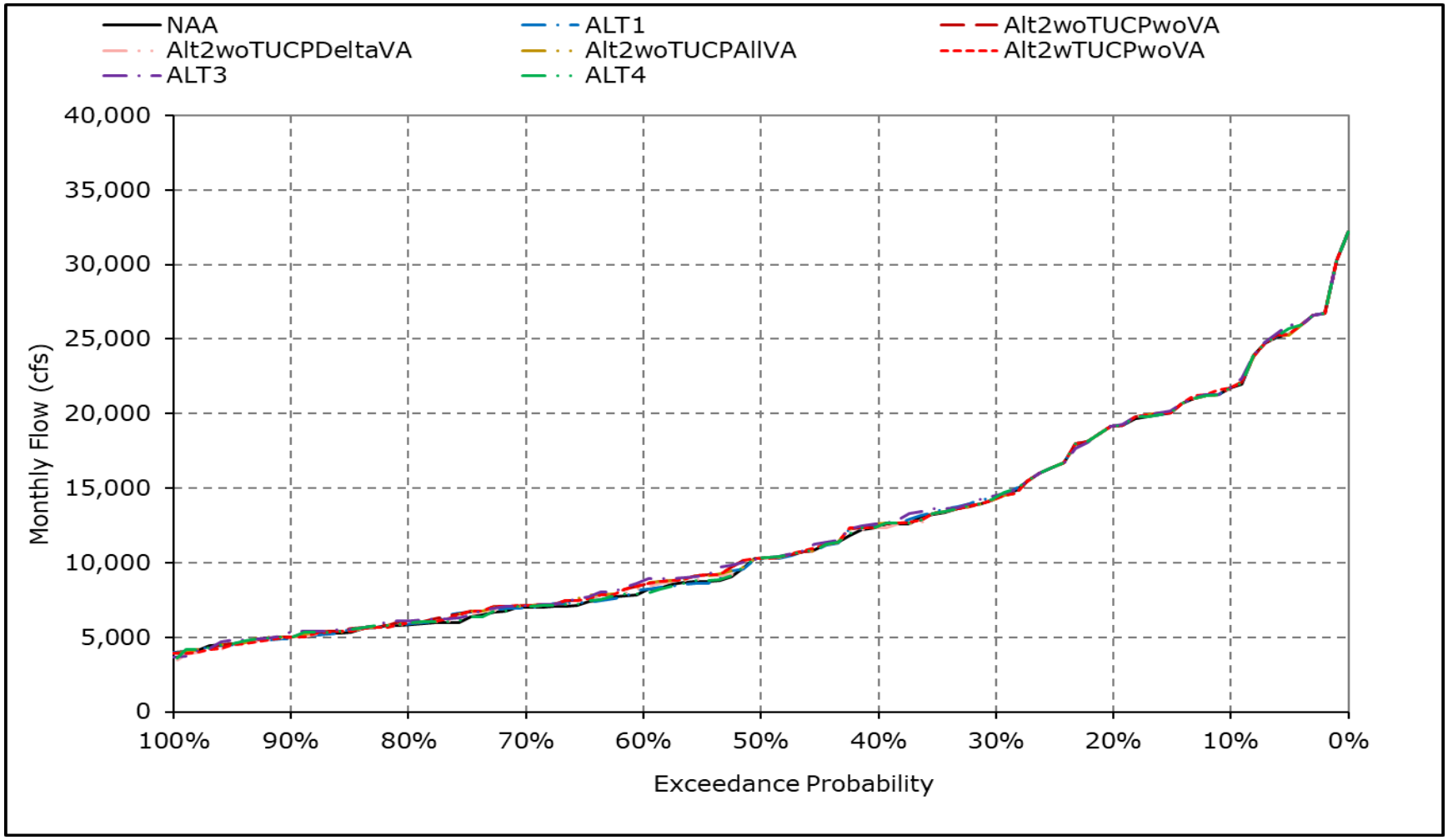
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-8. Sacramento River at Wilkins Slough Flow, November



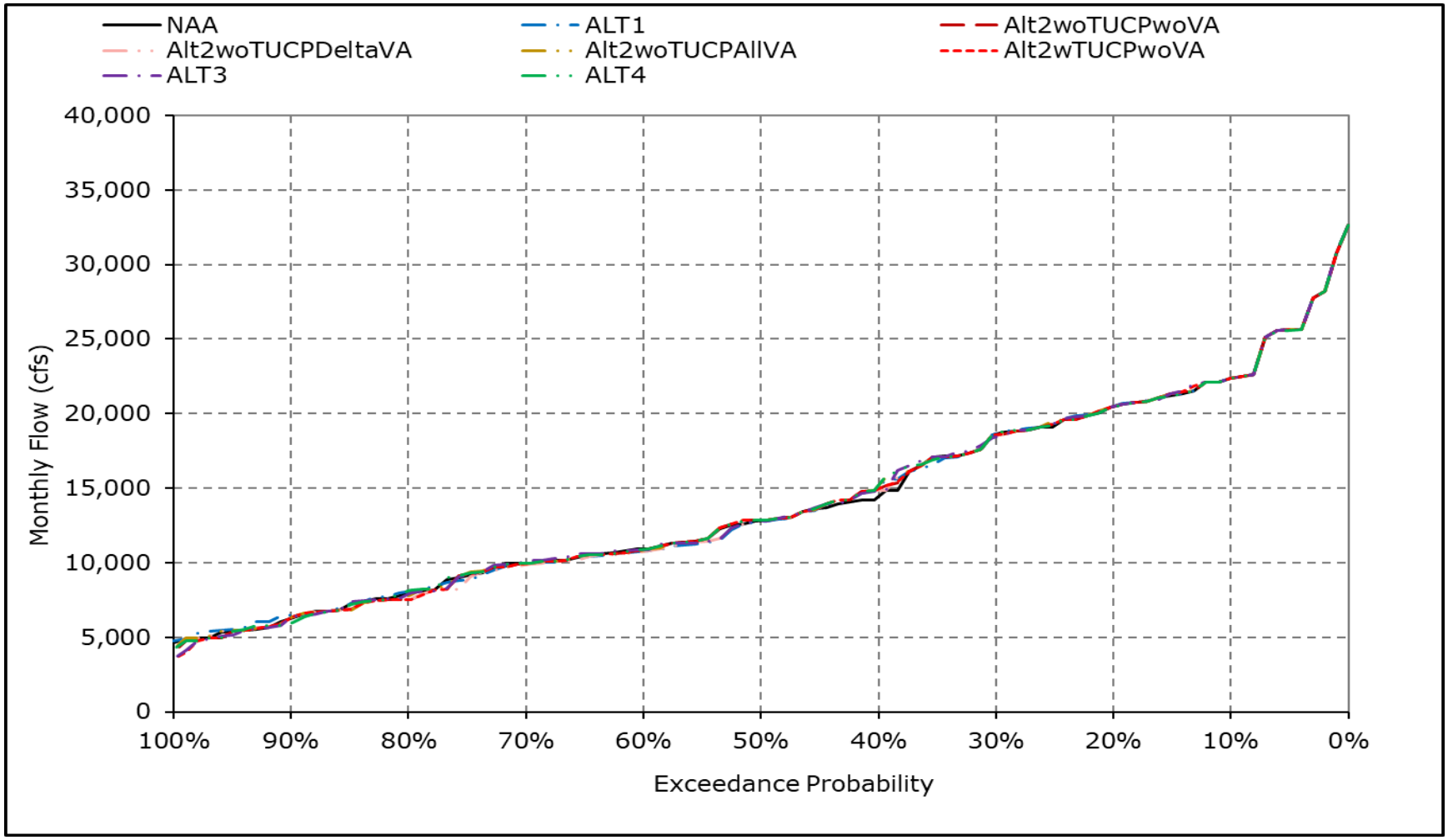
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-9. Sacramento River at Wilkins Slough Flow, December



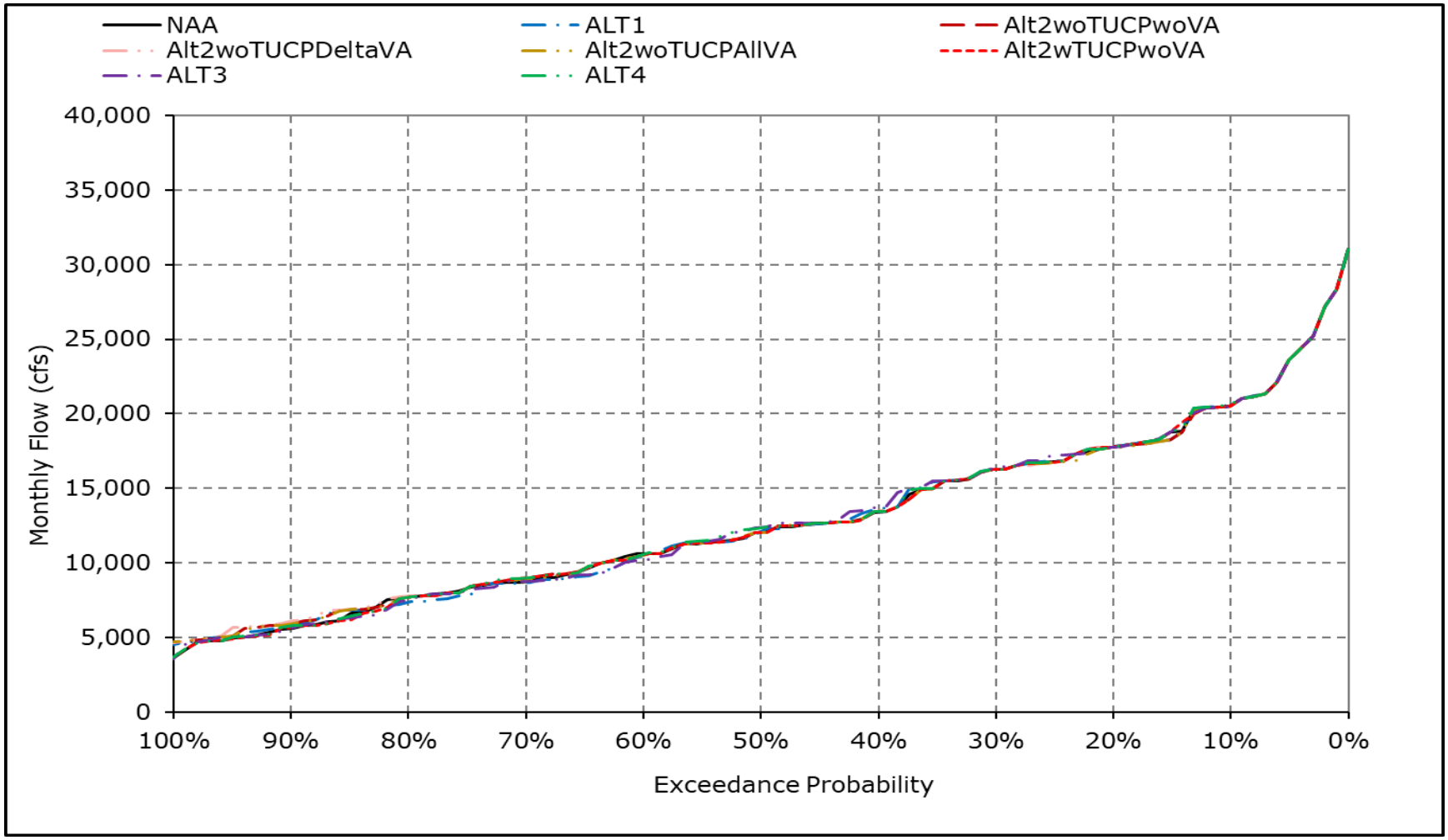
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-10. Sacramento River at Wilkins Slough Flow, January



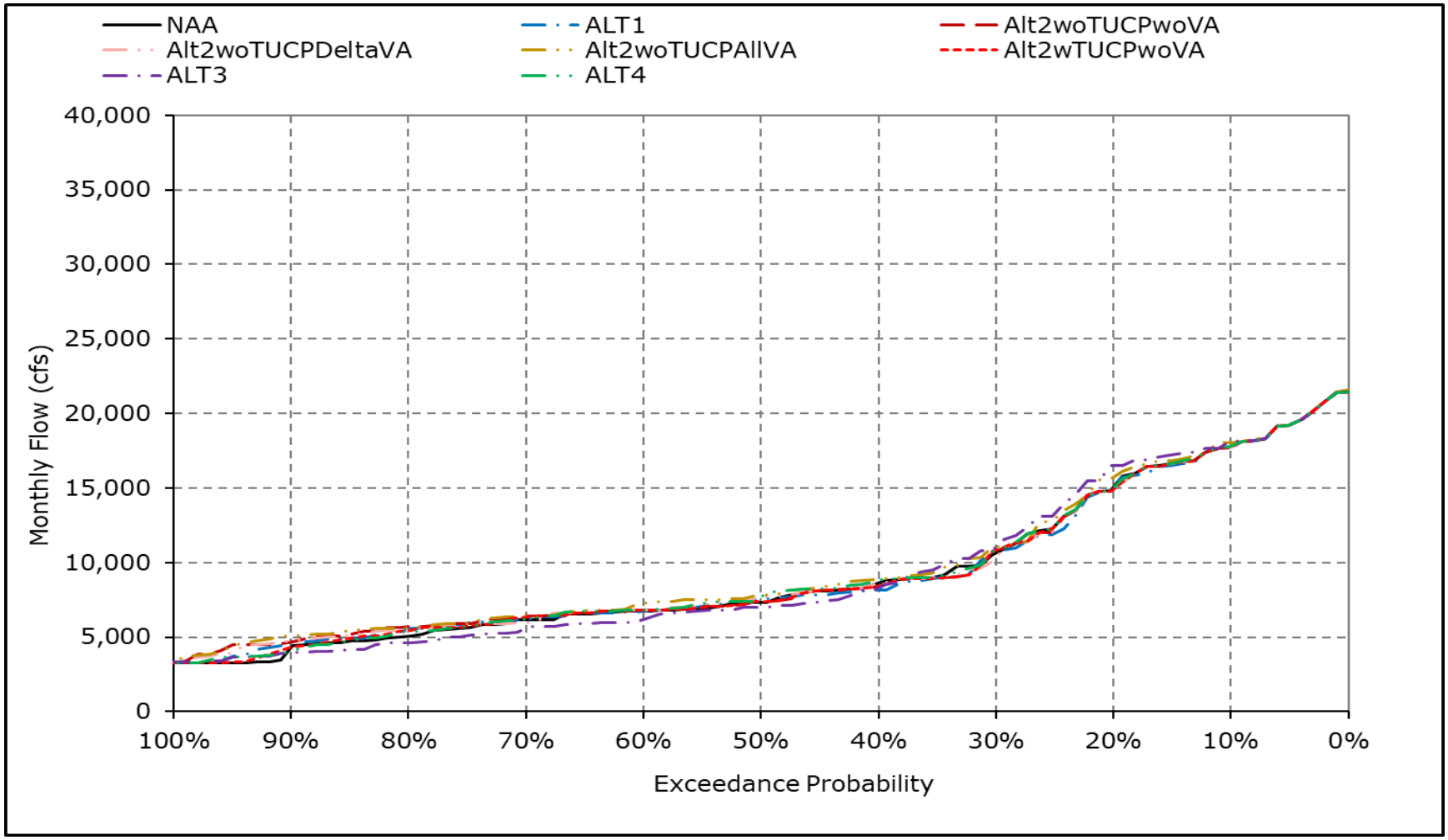
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-11. Sacramento River at Wilkins Slough Flow, February



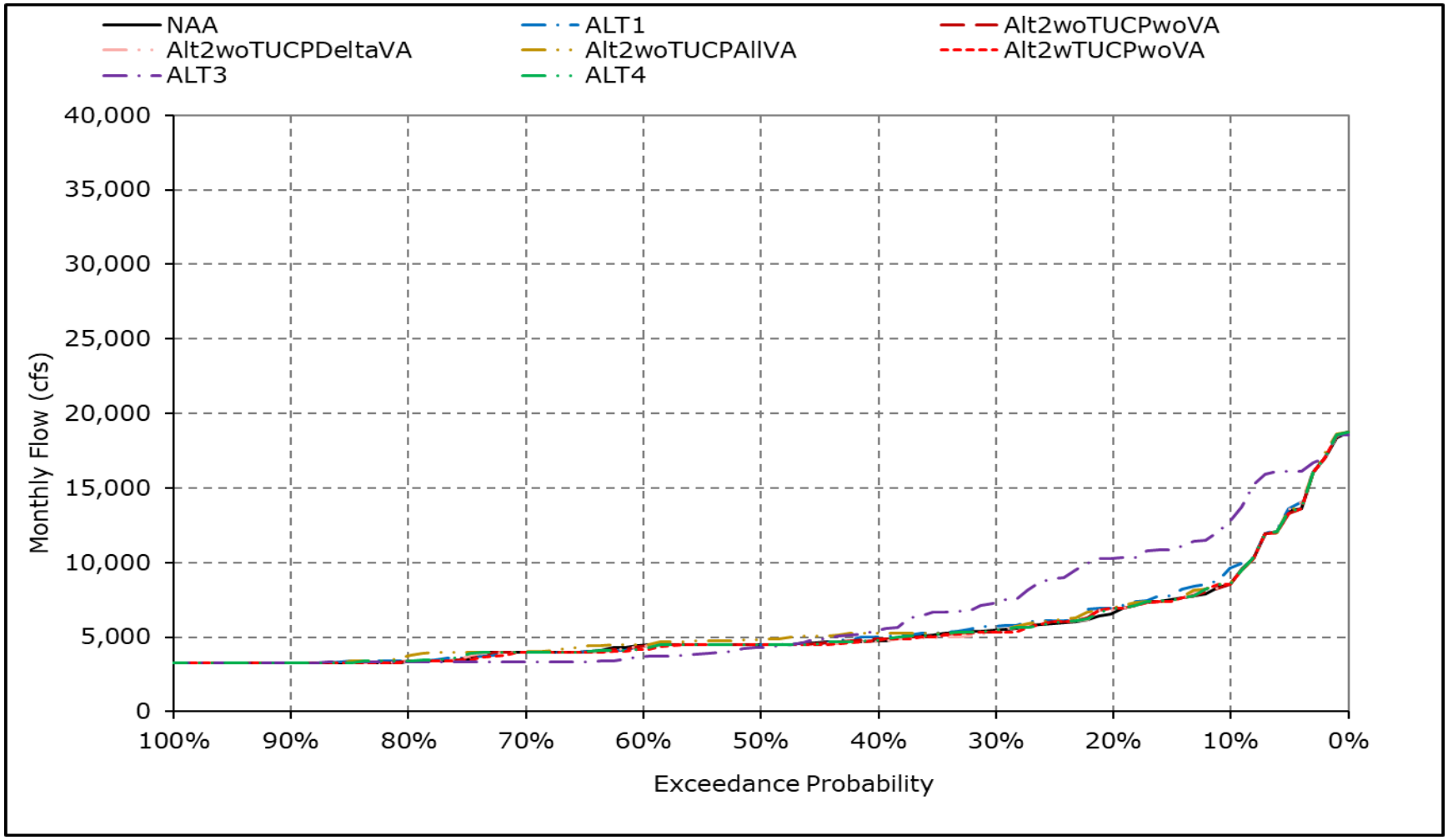
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-12. Sacramento River at Wilkins Slough Flow, March



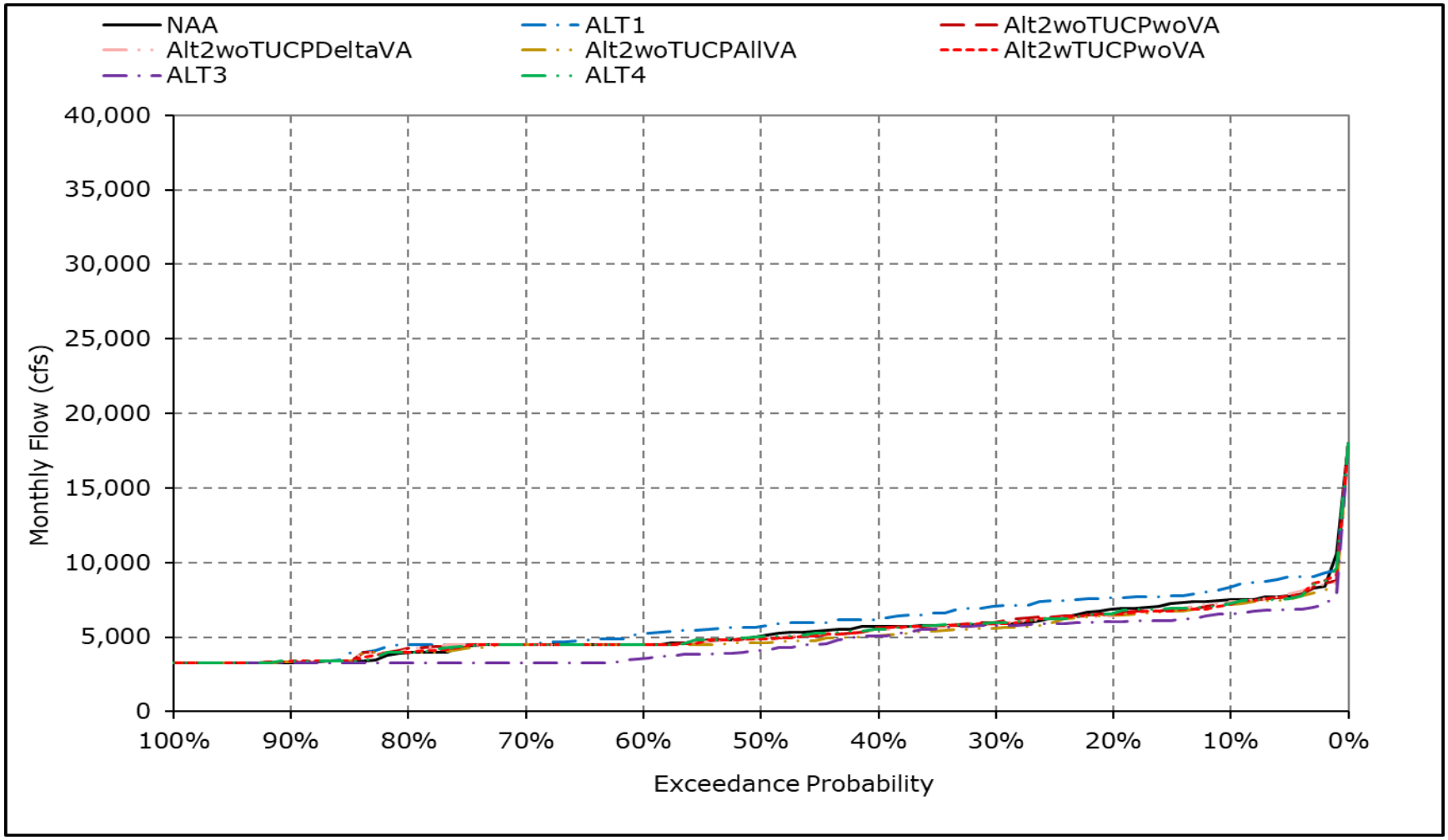
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-13. Sacramento River at Wilkins Slough Flow, April



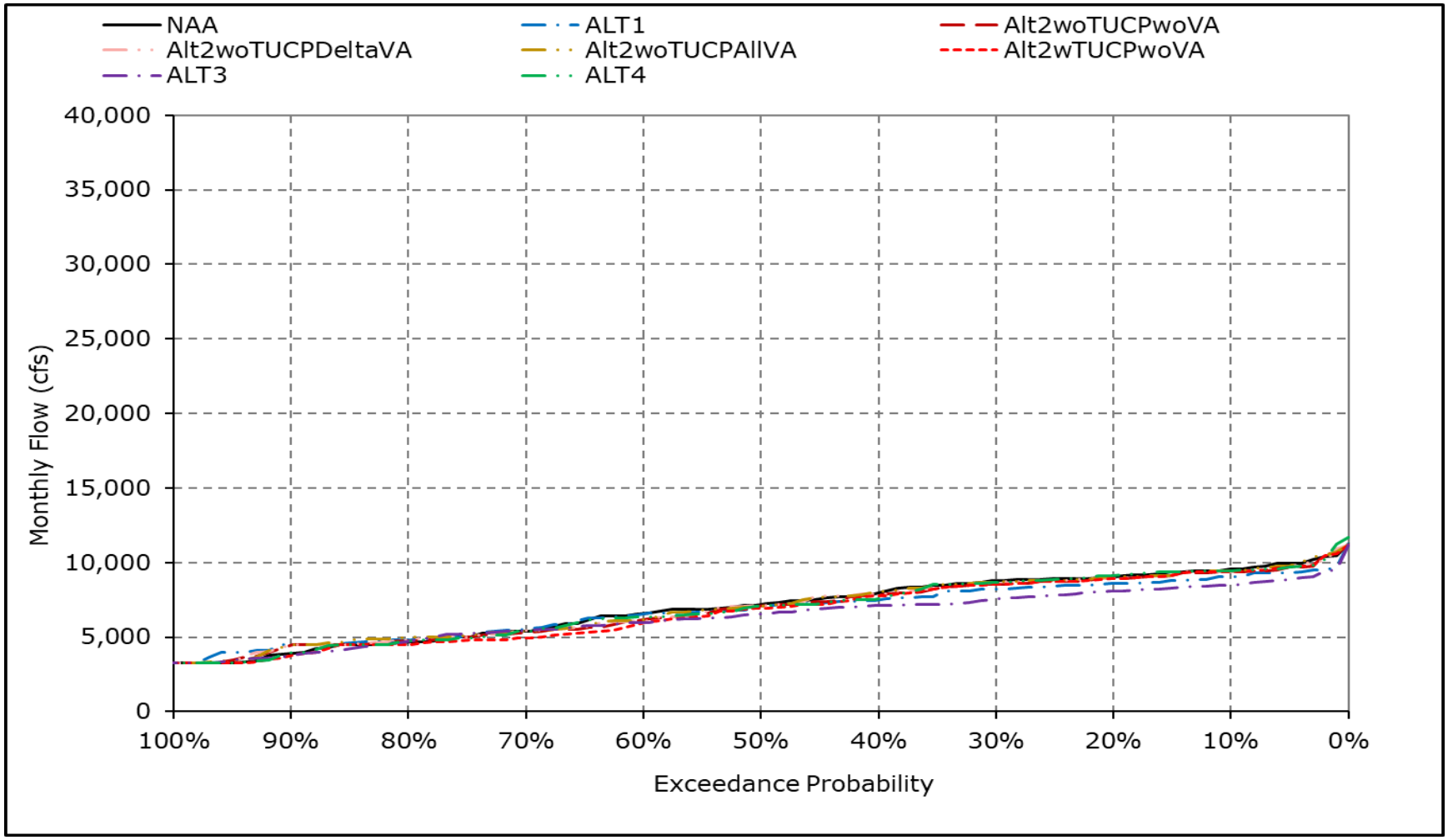
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-14. Sacramento River at Wilkins Slough Flow, May



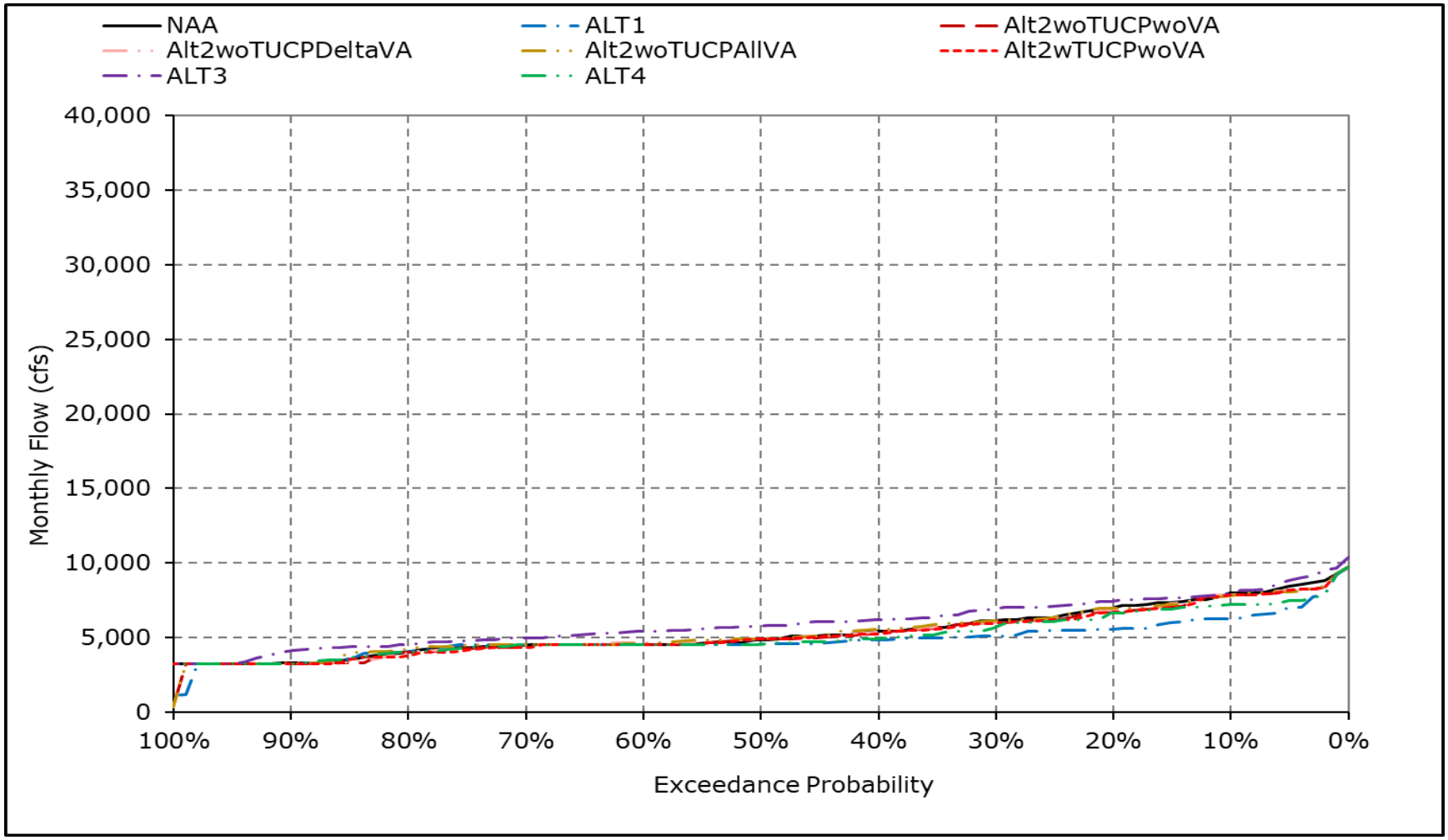
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-15. Sacramento River at Wilkins Slough Flow, June



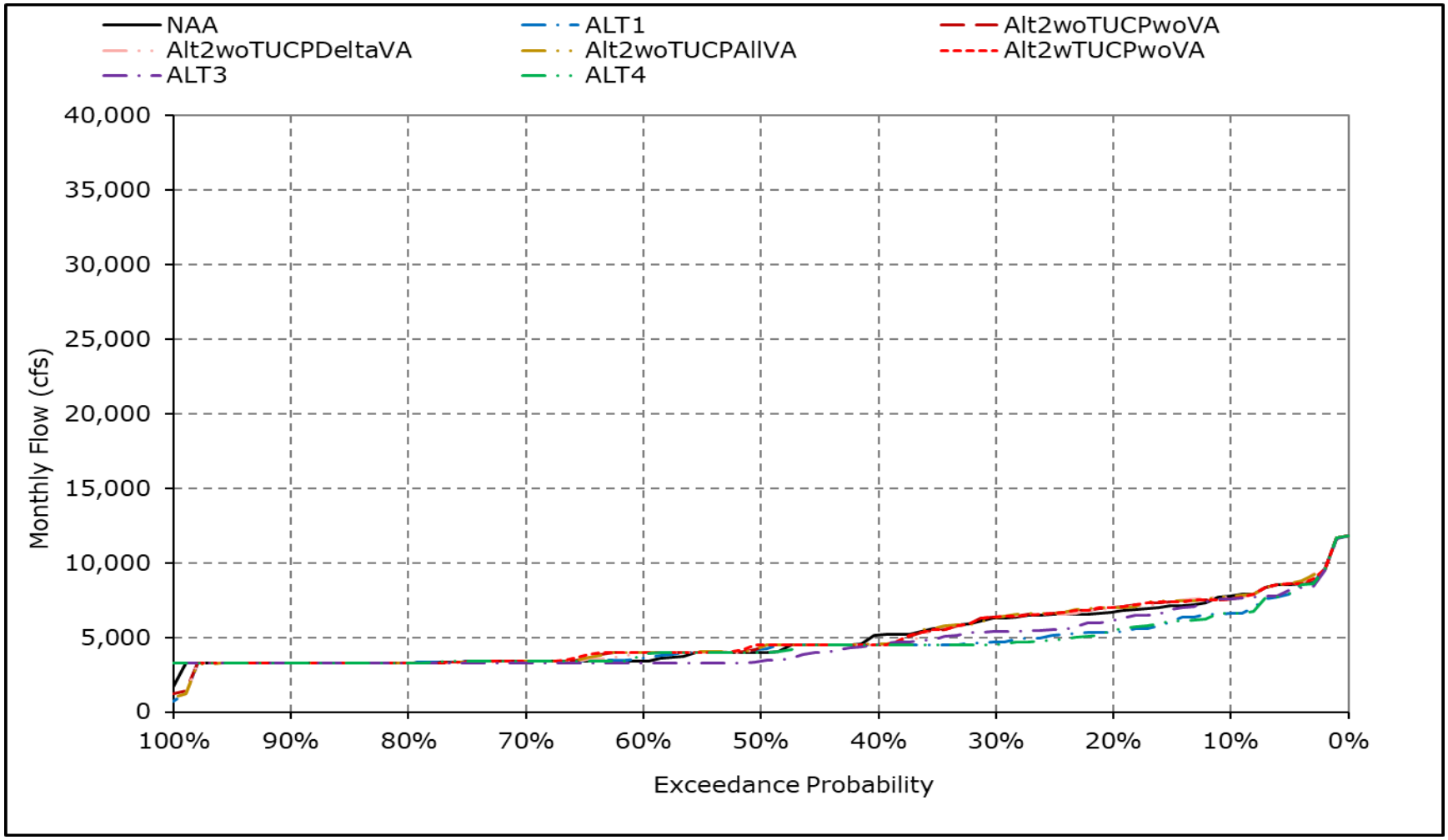
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-16. Sacramento River at Wilkins Slough Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-17. Sacramento River at Wilkins Slough Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-18. Sacramento River at Wilkins Slough Flow, September

Table F.2.2-8-1a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-1b. Feather River Flow downstream of Thermalito, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	8,728	14,021	22,392	18,723	8,380	4,359	6,949	9,298	8,237	5,712
20% Exceedance	4,000	2,382	2,262	4,697	12,350	11,387	5,259	3,083	5,809	9,061	7,793	3,093
30% Exceedance	3,491	1,811	1,700	1,700	6,740	7,771	4,061	2,745	5,516	8,853	7,469	1,633
40% Exceedance	2,342	1,700	1,700	1,700	2,277	4,238	3,028	2,271	5,220	8,615	6,478	1,018
50% Exceedance	1,735	1,700	1,700	1,700	1,700	2,098	2,134	1,905	4,766	8,220	5,208	1,000
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,487	1,481	4,080	7,088	3,363	1,000
70% Exceedance	1,660	1,513	1,200	1,200	1,200	1,700	1,000	1,032	3,580	5,450	2,400	1,000
80% Exceedance	1,200	1,200	1,060	1,087	1,097	1,000	1,000	1,000	2,962	3,854	1,986	878
90% Exceedance	931	900	900	900	900	843	1,000	985	2,440	3,256	1,380	777
Full Simulation Period Average[a]	2,333	1,941	3,137	4,621	6,979	6,823	3,779	2,325	4,641	6,919	4,905	2,014
Wet Water Years (28%)	3,410	2,855	4,537	11,422	18,202	16,586	7,894	3,218	4,228	7,910	5,787	2,467
Above Normal Water Years (14%)	3,161	2,216	2,956	4,328	5,464	7,451	3,333	2,558	5,185	8,789	7,802	4,032
Below Normal Water Years (18%)	2,010	1,758	2,589	1,710	3,191	3,359	1,604	2,182	5,383	7,972	6,023	2,159
Dry Water Years (24%)	1,485	1,323	3,327	1,357	1,454	1,424	2,140	2,029	5,016	6,199	3,226	905
Critical Water Years (16%)	1,244	1,172	1,054	1,146	1,217	1,186	1,872	1,161	3,490	3,442	2,089	958

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-1c. Feather River Flow downstream of Thermalito, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	3,131	187	-256	916	0	-129	515	-702	-477	-790
20% Exceedance	0	239	18	869	612	-808	-21	-278	193	-456	-529	-1,888
30% Exceedance	-509	111	0	0	259	202	157	-40	443	-388	-488	-1,227
40% Exceedance	-473	0	0	0	514	265	534	-32	678	-390	-537	-908
50% Exceedance	-4	0	0	0	0	398	490	-44	744	-480	-216	-16
60% Exceedance	0	0	0	0	0	0	487	408	505	-770	-117	0
70% Exceedance	117	-187	0	0	0	0	0	32	418	-127	-380	0
80% Exceedance	37	0	3	0	0	0	0	0	192	112	-289	83
90% Exceedance	-5	-1	0	0	0	0	249	161	394	248	-345	4
Full Simulation Period Average[a]	-107	14	242	211	76	99	190	-2	448	-304	-345	-515
Wet Water Years (28%)	-351	37	468	340	-142	-2	9	78	506	-322	-1,067	-2,229
Above Normal Water Years (14%)	-109	237	362	766	-326	-668	3	62	1,083	-502	-493	-218
Below Normal Water Years (18%)	-136	38	-155	57	1,115	943	29	-501	609	-522	249	650
Dry Water Years (24%)	227	-10	328	-6	-114	-1	158	66	-239	-460	-141	-9
Critical Water Years (16%)	-150	-240	43	1	-77	147	898	260	640	383	74	152

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-2a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-2b. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,802	13,877	23,148	17,808	8,380	4,359	6,041	9,619	8,692	6,393
20% Exceedance	4,000	1,808	1,908	4,417	11,738	11,385	5,270	3,088	5,500	9,332	8,309	4,734
30% Exceedance	3,905	1,700	1,700	1,700	6,374	7,260	4,059	2,721	5,092	9,041	7,886	3,081
40% Exceedance	2,638	1,700	1,700	1,700	1,763	3,830	2,863	2,205	4,692	8,881	7,012	2,024
50% Exceedance	1,744	1,700	1,700	1,700	1,700	1,872	1,966	1,836	4,084	8,366	5,812	1,009
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,284	1,263	3,749	7,435	2,922	1,000
70% Exceedance	1,230	1,643	1,200	1,200	1,212	1,700	1,000	1,012	3,503	5,029	2,438	1,000
80% Exceedance	967	1,200	1,052	1,110	1,097	1,000	1,000	1,000	3,067	3,998	2,068	796
90% Exceedance	933	900	900	908	926	845	1,000	846	2,310	3,232	1,673	773
Full Simulation Period Average[a]	2,404	1,878	2,928	4,493	6,917	6,721	3,719	2,281	4,294	7,087	5,166	2,604
Wet Water Years (28%)	3,759	2,748	3,903	11,189	18,382	16,589	7,885	3,184	3,942	8,106	6,756	4,740
Above Normal Water Years (14%)	3,290	1,998	2,587	3,825	5,843	7,663	3,329	2,507	4,085	9,131	8,268	4,728
Below Normal Water Years (18%)	2,137	1,687	2,819	1,654	2,053	2,547	1,564	2,216	4,842	8,460	5,846	1,372
Dry Water Years (24%)	1,249	1,302	3,284	1,362	1,551	1,424	1,958	1,965	5,105	6,100	3,011	904
Critical Water Years (16%)	1,157	1,286	1,011	1,250	1,312	1,271	1,836	1,052	3,261	3,448	2,135	942

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-2c. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-795	43	500	0	0	-129	-393	-381	-21	-109
20% Exceedance	0	-336	-337	589	1	-809	-10	-274	-116	-186	-12	-247
30% Exceedance	-95	0	0	0	-107	-308	155	-64	19	-200	-71	221
40% Exceedance	-178	0	0	0	0	-144	369	-97	150	-123	-3	98
50% Exceedance	5	0	0	0	0	172	322	-113	63	-334	388	-7
60% Exceedance	0	0	0	0	0	0	284	190	174	-422	-558	0
70% Exceedance	-313	-57	0	0	12	0	0	12	341	-548	-341	0
80% Exceedance	-197	0	-5	23	0	0	0	0	298	256	-206	1
90% Exceedance	-4	-1	0	8	26	2	249	22	264	224	-51	0
Full Simulation Period Average[a]	-37	-49	34	83	13	-3	130	-46	101	-136	-84	74
Wet Water Years (28%)	-2	-70	-166	107	38	1	0	45	220	-126	-98	44
Above Normal Water Years (14%)	20	19	-7	263	53	-456	-1	11	-17	-161	-26	478
Below Normal Water Years (18%)	-8	-33	74	0	-23	130	-11	-468	68	-35	72	-137
Dry Water Years (24%)	-8	-30	284	-1	-17	-1	-24	1	-151	-558	-356	-10
Critical Water Years (16%)	-237	-127	0	105	18	233	862	151	411	390	120	136

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-3a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-3b. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,028	13,875	22,791	17,807	8,380	4,359	6,193	9,684	8,665	6,643
20% Exceedance	4,000	2,351	1,700	3,938	11,738	11,385	5,246	2,965	5,388	9,428	8,235	4,705
30% Exceedance	3,797	1,700	1,700	1,700	6,264	7,256	3,748	2,714	5,059	9,123	7,734	3,488
40% Exceedance	2,694	1,700	1,700	1,700	1,700	3,748	2,718	2,034	4,714	8,904	6,899	2,298
50% Exceedance	1,744	1,700	1,700	1,700	1,700	1,700	1,808	1,638	4,058	8,455	5,447	1,188
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,417	1,175	3,723	7,879	4,091	1,000
70% Exceedance	1,222	1,700	1,200	1,200	1,200	1,700	1,000	1,009	3,492	5,770	3,226	1,000
80% Exceedance	1,016	1,200	1,094	1,086	1,080	1,000	1,000	1,000	2,964	4,498	2,501	884
90% Exceedance	933	900	900	908	900	845	1,000	841	2,310	3,471	2,004	790
Full Simulation Period Average[a]	2,402	1,941	2,845	4,420	6,819	6,631	3,690	2,241	4,264	7,280	5,376	2,726
Wet Water Years (28%)	3,762	2,799	3,780	10,917	18,293	16,587	7,885	3,158	3,952	8,149	6,745	4,904
Above Normal Water Years (14%)	3,230	1,979	2,573	3,933	5,814	7,166	3,282	2,510	4,030	9,163	8,270	5,144
Below Normal Water Years (18%)	2,288	1,773	2,720	1,654	1,856	2,420	1,517	2,085	4,938	8,509	6,274	1,352
Dry Water Years (24%)	1,255	1,346	3,166	1,362	1,538	1,424	1,917	1,929	4,929	6,468	3,512	908
Critical Water Years (16%)	1,008	1,458	1,012	1,176	1,125	1,287	1,808	1,044	3,259	3,948	2,231	1,070

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-3c. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1,569	40	143	0	0	-129	-241	-316	-49	141
20% Exceedance	0	207	-545	110	1	-809	-34	-396	-228	-89	-87	-276
30% Exceedance	-203	0	0	0	-217	-312	-156	-71	-14	-118	-222	628
40% Exceedance	-122	0	0	0	-63	-225	224	-269	172	-100	-116	371
50% Exceedance	5	0	0	0	0	0	164	-312	36	-244	23	172
60% Exceedance	0	0	0	0	0	0	417	102	147	22	610	0
70% Exceedance	-321	0	0	0	0	0	0	9	330	193	447	0
80% Exceedance	-147	0	36	-2	-17	0	0	0	195	756	226	89
90% Exceedance	-4	-1	0	8	0	2	249	18	264	463	280	17
Full Simulation Period Average[a]	-39	14	-49	11	-85	-94	100	-86	70	58	126	196
Wet Water Years (28%)	1	-19	-290	-165	-50	-1	0	19	230	-84	-108	208
Above Normal Water Years (14%)	-41	-1	-21	371	24	-953	-48	14	-73	-128	-24	894
Below Normal Water Years (18%)	142	53	-25	0	-221	3	-58	-599	163	15	500	-157
Dry Water Years (24%)	-2	14	166	-1	-30	-2	-65	-34	-327	-191	145	-6
Critical Water Years (16%)	-386	45	1	31	-168	248	834	143	408	890	217	264

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-4a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-4b. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,019	2,539	4,520	13,879	22,805	17,763	8,377	4,753	6,146	9,969	8,691	6,448
20% Exceedance	4,000	2,408	1,737	4,465	11,738	11,385	5,476	3,441	5,447	9,465	8,266	4,672
30% Exceedance	3,995	1,739	1,737	1,731	6,604	6,881	4,210	2,850	4,984	9,233	7,818	3,392
40% Exceedance	2,805	1,739	1,736	1,731	1,700	3,524	2,936	2,332	4,538	8,972	7,007	2,298
50% Exceedance	1,754	1,739	1,700	1,731	1,700	1,700	2,285	1,830	3,961	8,560	5,372	1,158
60% Exceedance	1,719	1,700	1,700	1,700	1,700	1,700	1,674	1,574	3,775	7,693	4,182	1,083
70% Exceedance	1,324	1,700	1,237	1,231	1,200	1,700	1,508	1,565	3,353	5,759	3,234	1,080
80% Exceedance	1,021	1,201	1,094	1,092	1,080	1,000	1,508	1,049	3,065	4,373	2,564	884
90% Exceedance	942	940	937	931	924	845	1,000	986	2,250	3,299	2,087	845
Full Simulation Period Average[a]	2,433	1,965	2,864	4,506	6,876	6,529	3,964	2,466	4,206	7,275	5,434	2,713
Wet Water Years (28%)	3,779	2,804	3,777	11,012	18,349	16,344	7,955	3,220	3,946	8,167	6,783	4,789
Above Normal Water Years (14%)	3,333	2,014	2,605	4,090	5,849	6,949	3,661	3,013	3,899	9,316	8,302	5,011
Below Normal Water Years (18%)	2,270	1,817	2,672	1,670	1,893	2,421	2,065	2,448	4,703	8,492	6,461	1,527
Dry Water Years (24%)	1,267	1,386	3,263	1,384	1,538	1,423	2,335	2,200	4,956	6,360	3,533	982
Critical Water Years (16%)	1,083	1,453	1,014	1,355	1,313	1,267	1,825	1,084	3,245	3,934	2,263	997

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-4c. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	39	-1,077	44	157	-44	-3	265	-287	-31	-23	-54
20% Exceedance	0	264	-508	637	1	-809	196	79	-169	-52	-56	-309
30% Exceedance	-5	39	37	31	123	-688	306	65	-89	-8	-138	532
40% Exceedance	-11	39	36	31	-63	-449	442	29	-4	-32	-8	372
50% Exceedance	15	39	0	31	0	0	641	-119	-60	-140	-52	141
60% Exceedance	19	0	0	0	0	0	674	501	200	-165	702	83
70% Exceedance	-219	0	37	31	0	0	508	565	192	181	454	80
80% Exceedance	-142	1	36	5	-17	0	508	49	295	631	289	90
90% Exceedance	5	39	37	31	24	2	249	163	203	291	363	72
Full Simulation Period Average[a]	-8	38	-30	96	-28	-195	375	138	12	53	185	183
Wet Water Years (28%)	18	-14	-293	-70	5	-244	70	81	224	-66	-71	93
Above Normal Water Years (14%)	63	35	11	529	59	-1,170	331	517	-203	25	8	762
Below Normal Water Years (18%)	124	97	-73	17	-184	4	490	-236	-72	-3	687	18
Dry Water Years (24%)	10	54	263	21	-30	-2	353	236	-300	-299	167	69
Critical Water Years (16%)	-311	41	3	210	19	228	851	183	395	875	248	191

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-5a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-5b. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,806	13,872	23,200	17,808	8,380	4,359	6,049	9,619	8,698	6,351
20% Exceedance	4,000	2,004	1,885	4,420	11,738	11,385	5,273	3,086	5,501	9,331	8,278	4,729
30% Exceedance	3,904	1,700	1,700	1,700	6,708	7,568	4,059	2,744	5,091	9,091	7,812	3,092
40% Exceedance	2,642	1,700	1,700	1,700	1,763	3,791	2,588	2,288	4,692	8,903	7,148	2,045
50% Exceedance	1,753	1,700	1,700	1,700	1,700	1,700	1,705	1,708	4,087	8,452	6,048	1,000
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,165	3,753	7,640	2,963	1,000
70% Exceedance	1,230	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,435	4,792	2,403	1,000
80% Exceedance	971	1,200	1,090	995	1,097	1,000	1,000	1,000	2,979	3,653	2,056	792
90% Exceedance	931	902	900	908	900	834	751	822	2,250	2,914	1,769	774
Full Simulation Period Average[a]	2,398	1,916	2,933	4,475	6,942	6,718	3,628	2,271	4,246	7,052	5,226	2,597
Wet Water Years (28%)	3,759	2,747	3,905	11,212	18,409	16,589	7,885	3,185	3,942	8,103	6,752	4,749
Above Normal Water Years (14%)	3,299	1,998	2,591	3,799	5,843	7,904	3,330	2,507	4,077	9,130	8,270	4,747
Below Normal Water Years (18%)	2,124	1,749	2,815	1,654	2,161	2,554	1,632	2,221	4,846	8,653	6,163	1,430
Dry Water Years (24%)	1,250	1,319	3,280	1,361	1,551	1,418	1,960	1,968	5,098	6,185	3,040	904
Critical Water Years (16%)	1,120	1,439	1,048	1,119	1,300	1,038	1,188	979	2,974	2,896	2,115	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-5c. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-791	38	552	0	0	-129	-385	-381	-16	-152
20% Exceedance	0	-139	-359	592	1	-809	-7	-275	-115	-187	-43	-252
30% Exceedance	-96	0	0	0	227	0	155	-41	18	-151	-144	232
40% Exceedance	-174	0	0	0	0	-182	94	-15	150	-102	133	118
50% Exceedance	14	0	0	0	0	0	61	-241	65	-247	624	-16
60% Exceedance	0	0	0	0	0	0	0	93	178	-217	-517	0
70% Exceedance	-313	0	0	0	0	0	0	0	273	-786	-376	0
80% Exceedance	-192	0	33	-93	0	0	0	0	209	-89	-219	-3
90% Exceedance	-5	1	0	8	0	-9	0	-1	203	-94	45	0
Full Simulation Period Average[a]	-43	-11	39	65	38	-7	39	-56	53	-170	-24	68
Wet Water Years (28%)	-2	-71	-165	130	65	1	0	45	220	-130	-102	52
Above Normal Water Years (14%)	29	19	-3	237	53	-215	0	11	-25	-161	-24	497
Below Normal Water Years (18%)	-21	29	70	0	85	138	57	-463	72	158	389	-79
Dry Water Years (24%)	-7	-14	280	-2	-17	-7	-23	5	-158	-473	-326	-9
Critical Water Years (16%)	-274	26	37	-26	6	0	213	78	124	-162	100	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-6a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-6b. Feather River Flow downstream of Thermalito, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	13,167	14,981	22,347	17,909	9,798	7,568	4,996	4,333	3,761	3,849
20% Exceedance	3,362	1,972	8,135	9,752	13,287	13,342	7,377	5,737	4,442	3,976	3,483	3,378
30% Exceedance	2,376	1,700	4,016	4,771	8,723	8,668	5,301	4,470	3,909	3,691	3,233	2,774
40% Exceedance	1,756	1,700	2,908	3,126	5,911	5,644	4,442	3,516	3,326	3,314	2,765	2,429
50% Exceedance	1,716	1,700	2,427	2,368	3,423	4,710	3,932	2,944	2,708	2,877	2,423	2,244
60% Exceedance	1,700	1,700	1,802	1,700	2,780	3,933	3,351	2,631	2,083	2,611	2,288	1,204
70% Exceedance	1,237	1,466	1,700	1,700	1,950	3,134	2,998	2,303	1,510	2,384	2,075	1,045
80% Exceedance	1,176	1,200	1,657	1,380	1,241	2,251	2,597	1,931	1,055	2,198	1,836	1,000
90% Exceedance	933	907	913	1,010	984	1,000	1,854	1,571	1,039	1,950	1,519	875
Full Simulation Period Average[a]	2,171	2,093	5,123	5,961	8,189	7,977	5,211	3,829	2,802	3,176	2,590	2,160
Wet Water Years (28%)	3,483	2,992	6,184	13,889	19,258	16,669	9,280	5,988	1,680	3,089	1,767	2,616
Above Normal Water Years (14%)	2,381	2,705	4,325	6,171	8,464	9,854	5,582	4,878	1,836	2,221	2,116	3,359
Below Normal Water Years (18%)	2,013	1,682	6,019	2,850	4,423	5,155	4,230	3,251	2,717	2,452	2,393	2,072
Dry Water Years (24%)	1,262	1,467	5,222	1,863	2,359	2,965	3,267	2,644	3,959	3,733	3,518	1,768
Critical Water Years (16%)	1,160	1,301	2,705	1,548	1,556	1,816	1,784	1,560	3,974	4,146	3,275	999

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-6c. Feather River Flow downstream of Thermalito, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	7,570	1,146	-301	102	1,418	3,080	-1,437	-5,667	-4,953	-2,654
20% Exceedance	-638	-171	5,891	5,924	1,549	1,148	2,097	2,376	-1,174	-5,542	-4,839	-1,603
30% Exceedance	-1,624	0	2,316	3,071	2,242	1,100	1,397	1,686	-1,164	-5,550	-4,724	-86
40% Exceedance	-1,060	0	1,208	1,426	4,148	1,670	1,948	1,214	-1,216	-5,690	-4,250	503
50% Exceedance	-23	0	727	668	1,723	3,010	2,289	994	-1,314	-5,823	-3,001	1,227
60% Exceedance	0	0	102	0	1,080	2,233	2,351	1,558	-1,492	-5,246	-1,192	204
70% Exceedance	-306	-234	500	500	750	1,434	1,998	1,303	-1,652	-3,193	-704	45
80% Exceedance	12	0	600	293	144	1,251	1,597	931	-1,714	-1,544	-439	205
90% Exceedance	-3	6	13	110	84	157	1,103	748	-1,008	-1,058	-206	101
Full Simulation Period Average[a]	-269	166	2,228	1,551	1,285	1,253	1,622	1,502	-1,391	-4,046	-2,660	-370
Wet Water Years (28%)	-278	174	2,114	2,808	915	81	1,395	2,848	-2,042	-5,144	-5,087	-2,080
Above Normal Water Years (14%)	-890	725	1,731	2,610	2,674	1,735	2,252	2,382	-2,266	-7,071	-6,178	-891
Below Normal Water Years (18%)	-132	-38	3,275	1,196	2,347	2,738	2,655	567	-2,057	-6,043	-3,381	563
Dry Water Years (24%)	5	134	2,222	500	791	1,540	1,285	681	-1,297	-2,925	151	854
Critical Water Years (16%)	-234	-111	1,694	403	263	778	809	659	1,123	1,087	1,261	193

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-7a. Feather River Flow downstream of Thermalito, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	5,597	13,835	22,648	17,807	8,380	4,488	6,433	10,000	8,714	6,502
20% Exceedance	4,000	2,144	2,245	3,828	11,738	12,195	5,280	3,361	5,616	9,518	8,322	4,981
30% Exceedance	4,000	1,700	1,700	1,700	6,481	7,568	3,904	2,785	5,073	9,241	7,957	2,860
40% Exceedance	2,816	1,700	1,700	1,700	1,763	3,973	2,494	2,303	4,542	9,004	7,015	1,926
50% Exceedance	1,739	1,700	1,700	1,700	1,700	1,700	1,644	1,949	4,022	8,699	5,424	1,016
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,073	3,575	7,858	3,480	1,000
70% Exceedance	1,543	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,162	5,577	2,779	1,000
80% Exceedance	1,163	1,200	1,057	1,087	1,097	1,000	1,000	1,000	2,770	3,742	2,275	795
90% Exceedance	937	901	900	900	900	843	751	823	2,046	3,008	1,724	773
Full Simulation Period Average[a]	2,441	1,927	2,894	4,410	6,904	6,725	3,589	2,327	4,193	7,222	5,250	2,530
Wet Water Years (28%)	3,761	2,818	4,070	11,082	18,344	16,588	7,885	3,140	3,722	8,233	6,854	4,696
Above Normal Water Years (14%)	3,270	1,979	2,594	3,562	5,790	8,119	3,330	2,496	4,102	9,292	8,294	4,250
Below Normal Water Years (18%)	2,145	1,720	2,745	1,654	2,077	2,417	1,575	2,684	4,774	8,494	5,774	1,509
Dry Water Years (24%)	1,257	1,333	3,000	1,363	1,568	1,425	1,982	1,964	5,256	6,658	3,367	914
Critical Water Years (16%)	1,394	1,412	1,011	1,145	1,294	1,039	974	901	2,850	3,058	2,015	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-7b. Feather River Flow downstream of Thermalito, Alternative 4, Monthly Flow (cfs)

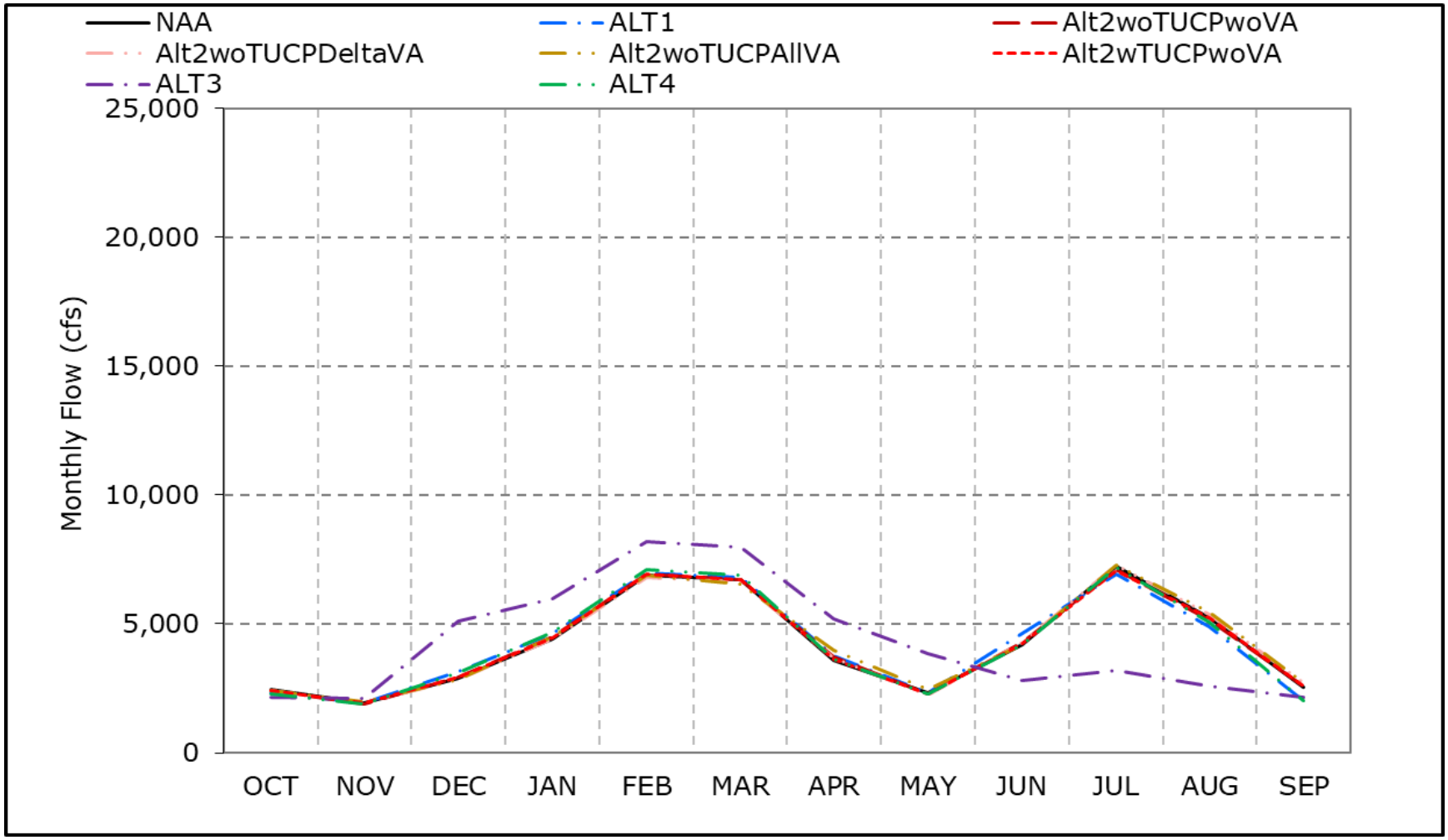
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	7,452	14,579	23,206	18,616	8,380	4,360	6,028	9,795	8,288	4,546
20% Exceedance	3,937	1,796	1,847	4,698	12,135	12,093	5,270	3,058	5,297	9,407	7,922	2,860
30% Exceedance	3,300	1,700	1,700	1,726	6,744	8,098	4,047	2,658	4,957	9,153	7,498	1,860
40% Exceedance	2,269	1,700	1,700	1,700	3,963	4,771	2,707	2,219	4,628	8,938	6,833	1,270
50% Exceedance	1,749	1,700	1,700	1,700	1,700	1,700	1,780	1,872	4,133	8,693	5,569	1,000
60% Exceedance	1,703	1,700	1,700	1,700	1,700	1,700	1,041	1,199	3,755	8,020	3,117	1,000
70% Exceedance	1,230	1,661	1,200	1,200	1,436	1,700	1,000	1,007	3,386	5,868	2,561	1,000
80% Exceedance	1,184	1,200	1,044	1,111	1,097	1,000	1,000	1,000	2,797	3,734	2,266	793
90% Exceedance	933	902	900	900	900	843	755	873	2,250	3,005	1,602	775
Full Simulation Period Average[a]	2,303	1,900	3,089	4,674	7,114	6,882	3,650	2,266	4,194	7,207	5,049	2,004
Wet Water Years (28%)	3,381	2,742	4,435	11,679	18,476	16,590	7,885	3,181	3,912	8,135	6,016	2,931
Above Normal Water Years (14%)	3,138	2,027	2,609	4,144	6,048	8,369	3,334	2,492	4,075	9,089	7,722	4,193
Below Normal Water Years (18%)	2,303	1,736	2,744	1,654	2,831	3,084	1,678	2,173	4,769	8,834	6,523	1,391
Dry Water Years (24%)	1,255	1,299	3,373	1,357	1,571	1,431	2,018	2,001	5,003	6,649	3,195	905
Critical Water Years (16%)	1,129	1,357	1,012	1,249	1,294	1,039	1,184	973	2,928	2,942	2,141	806

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-8-7c. Feather River Flow downstream of Thermalito, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

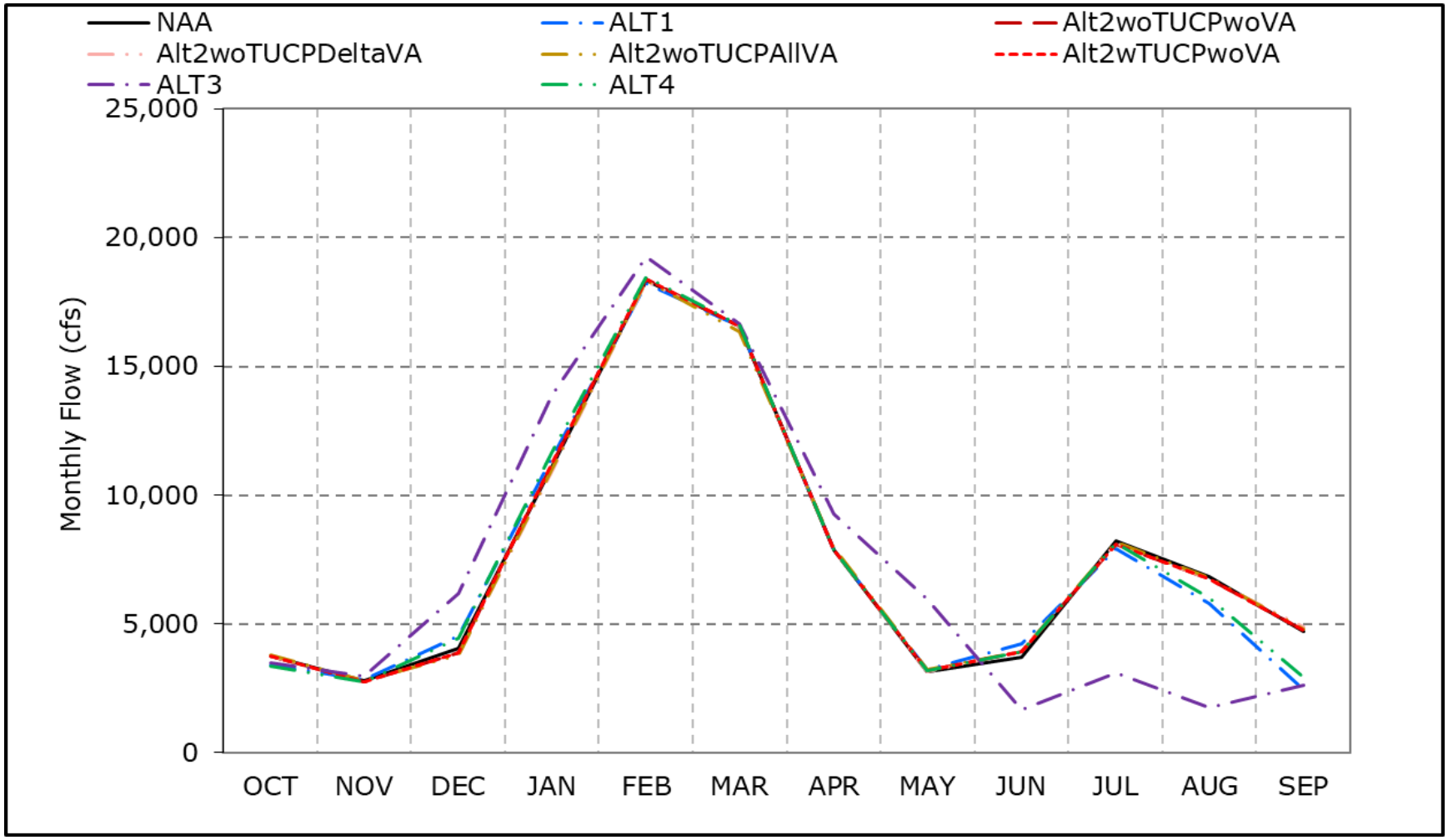
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	1,855	745	558	809	0	-129	-406	-205	-426	-1,956
20% Exceedance	-63	-348	-398	870	397	-101	-10	-303	-319	-111	-400	-2,121
30% Exceedance	-700	0	0	26	263	529	143	-127	-116	-88	-459	-1,001
40% Exceedance	-546	0	0	0	2,200	798	212	-84	86	-67	-182	-656
50% Exceedance	10	0	0	0	0	0	136	-77	111	-7	145	-16
60% Exceedance	3	0	0	0	0	0	41	126	180	163	-363	0
70% Exceedance	-313	-39	0	0	236	0	0	7	225	290	-218	0
80% Exceedance	20	0	-13	23	0	0	0	0	27	-9	-9	-1
90% Exceedance	-4	1	0	0	0	0	4	50	203	-3	-122	1
Full Simulation Period Average[a]	-138	-28	194	264	210	157	61	-61	0	-16	-201	-526
Wet Water Years (28%)	-379	-76	366	597	133	2	0	41	190	-98	-838	-1,765
Above Normal Water Years (14%)	-133	48	15	582	258	250	4	-4	-28	-203	-572	-57
Below Normal Water Years (18%)	158	16	0	0	755	668	104	-511	-5	340	748	-118
Dry Water Years (24%)	-2	-34	373	-6	3	6	36	37	-253	-9	-172	-9
Critical Water Years (16%)	-265	-55	1	104	0	0	209	72	78	-117	126	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



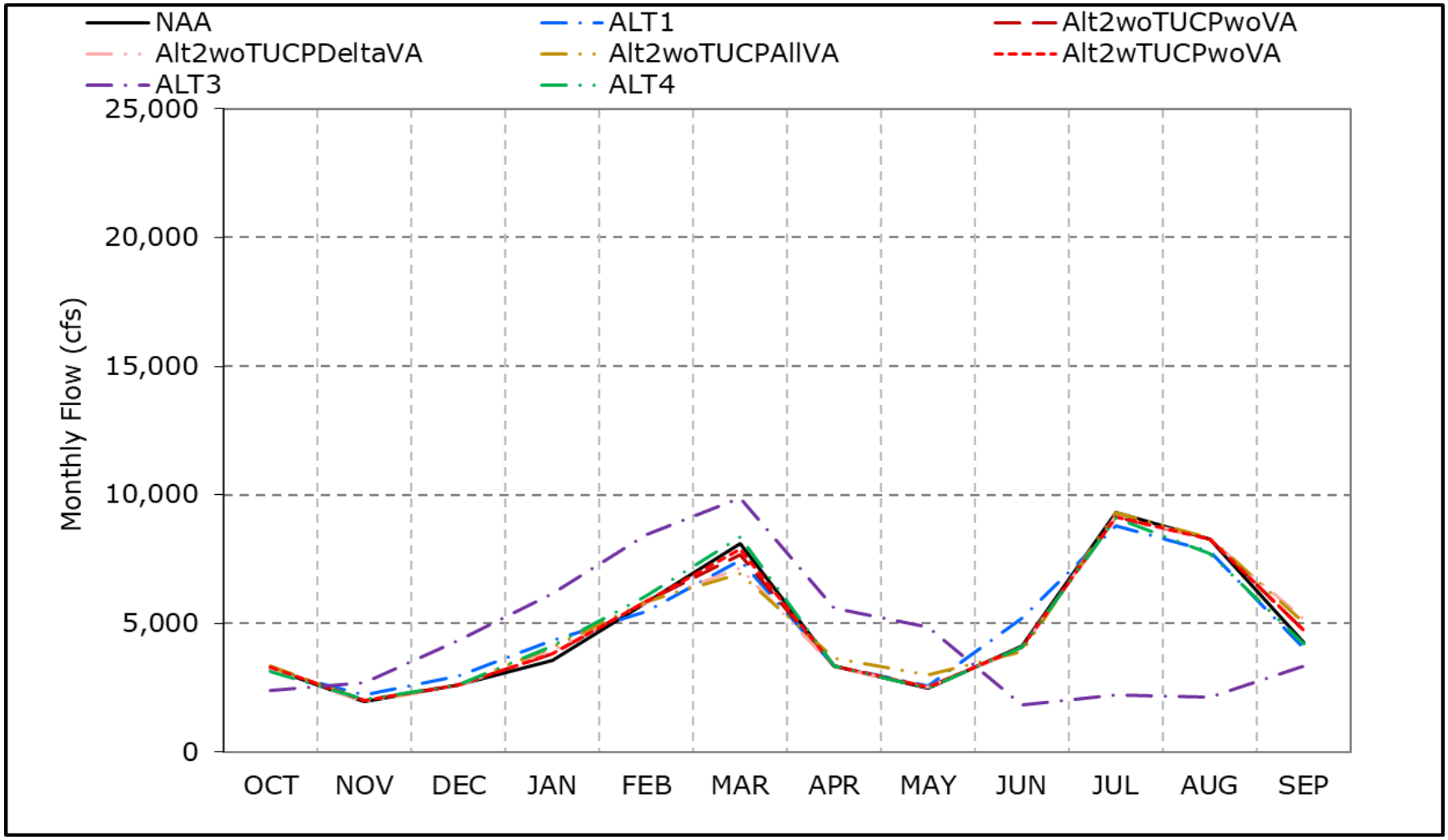
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-1. Feather River Flow downstream of Thermalito, Long-Term Average Flow



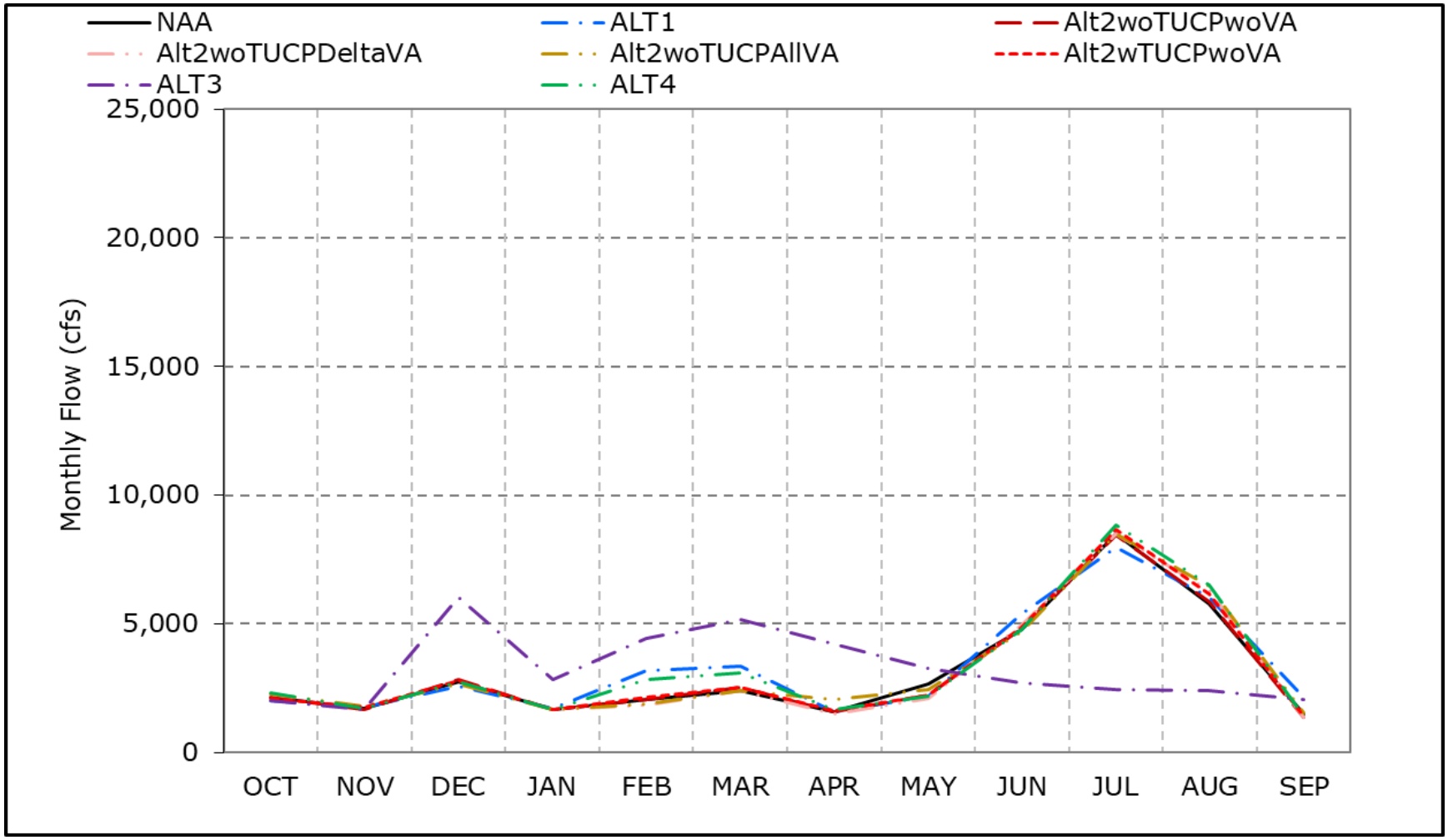
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-2. Feather River Flow downstream of Thermalito, Wet Year Average Flow



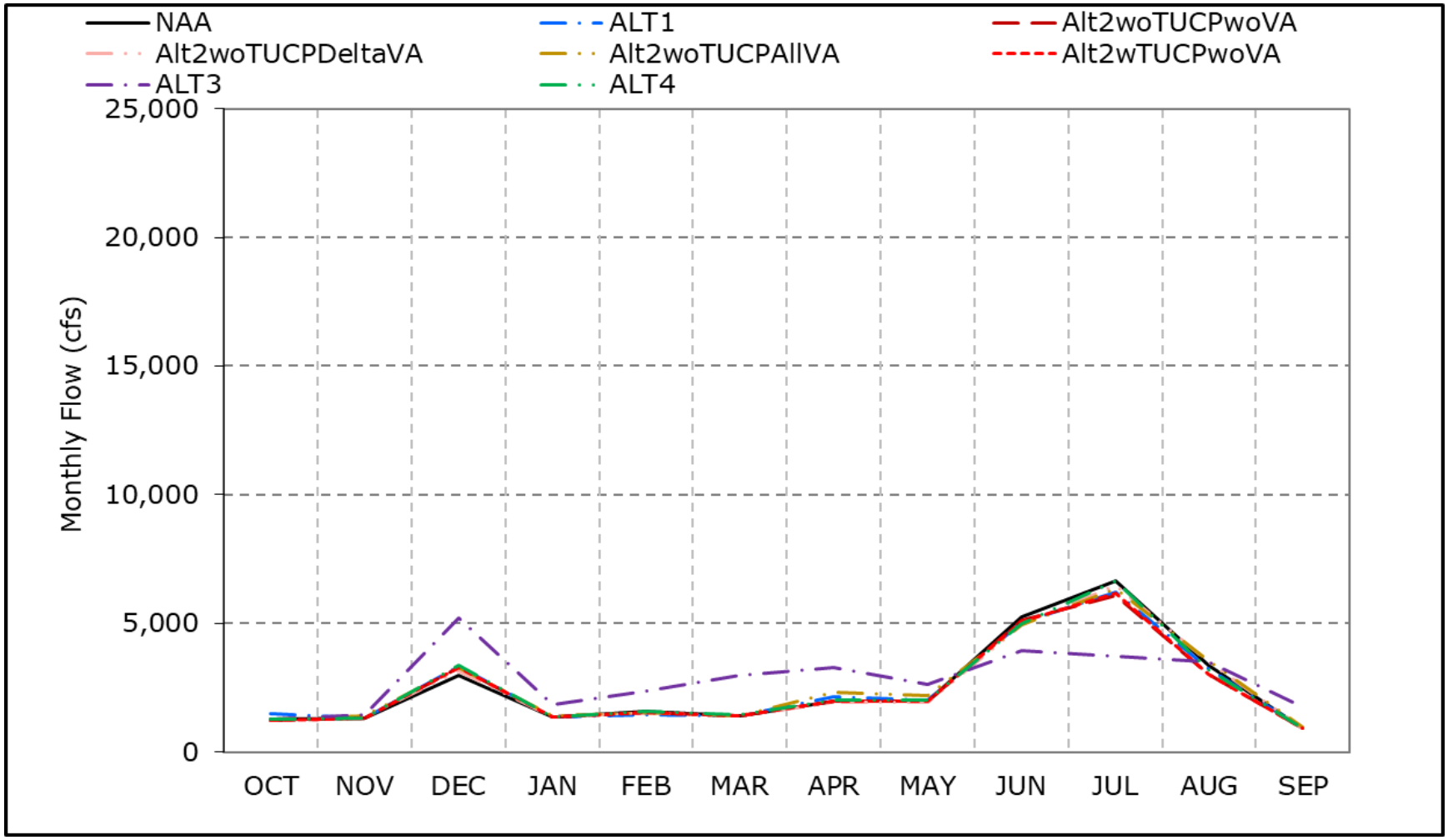
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-3. Feather River Flow downstream of Thermalito, Above Normal Year Average Flow



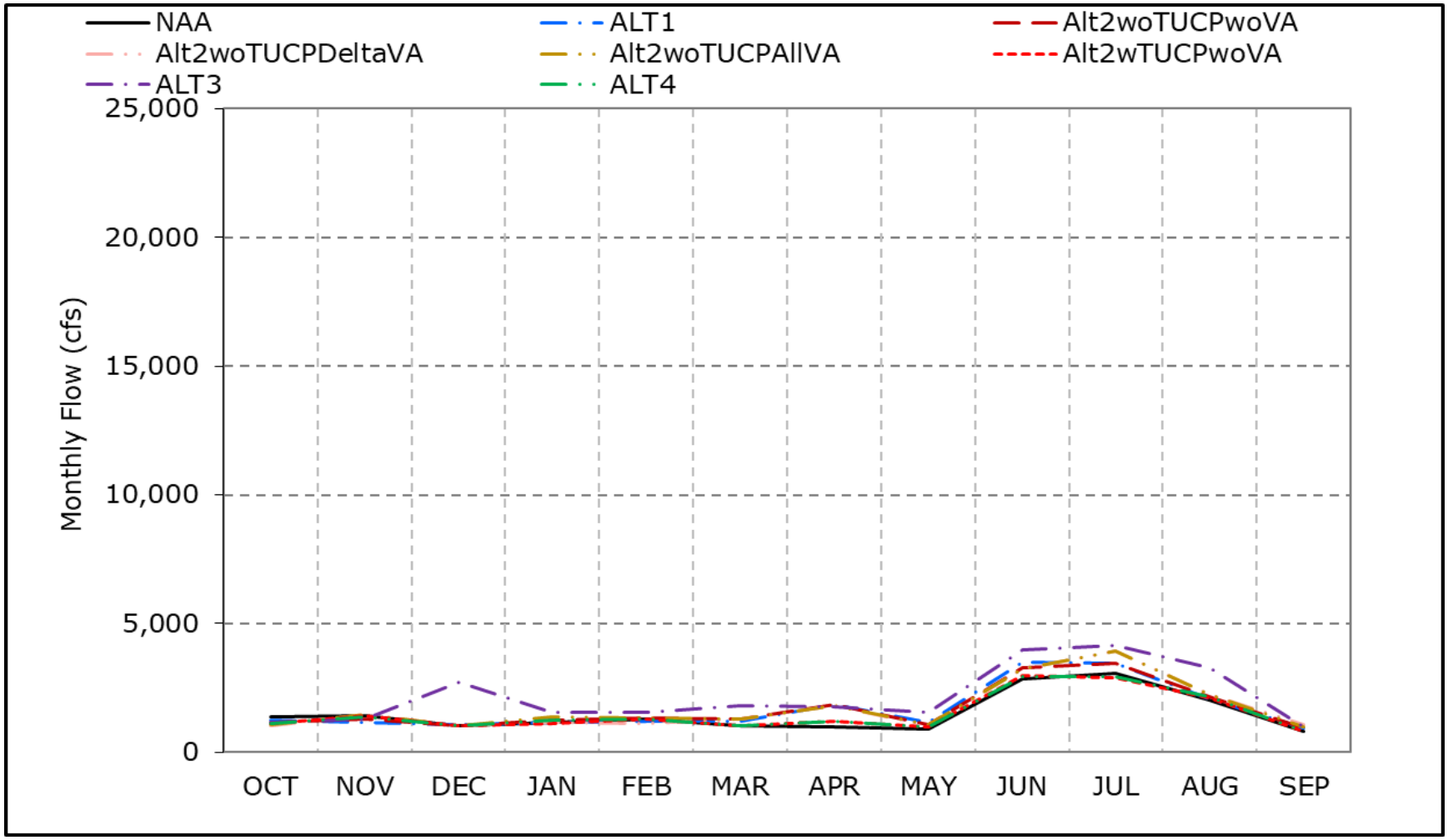
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-4. Feather River Flow downstream of Thermalito, Below Normal Year Average Flow



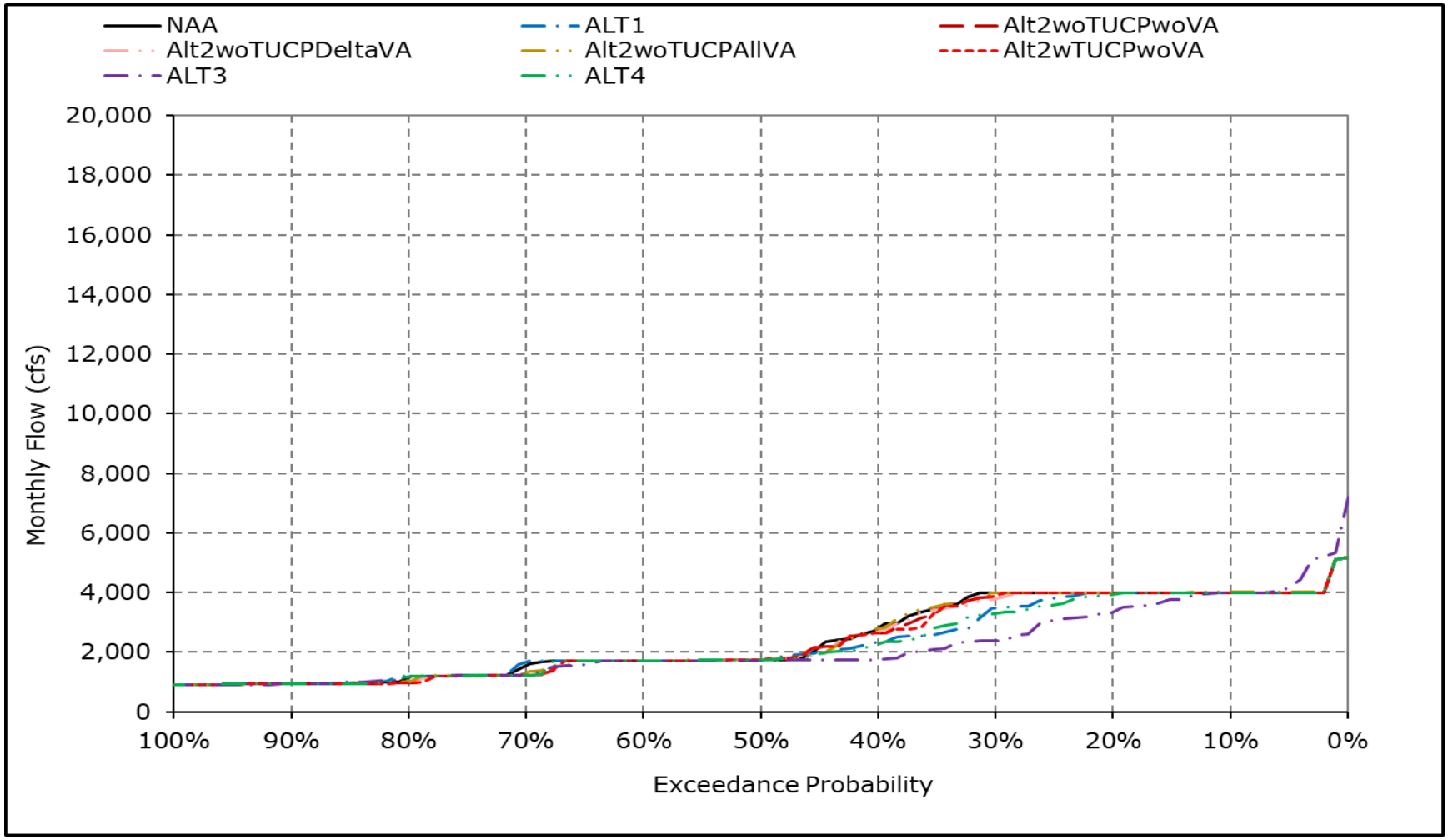
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-5. Feather River Flow downstream of Thermalito, Dry Year Average Flow



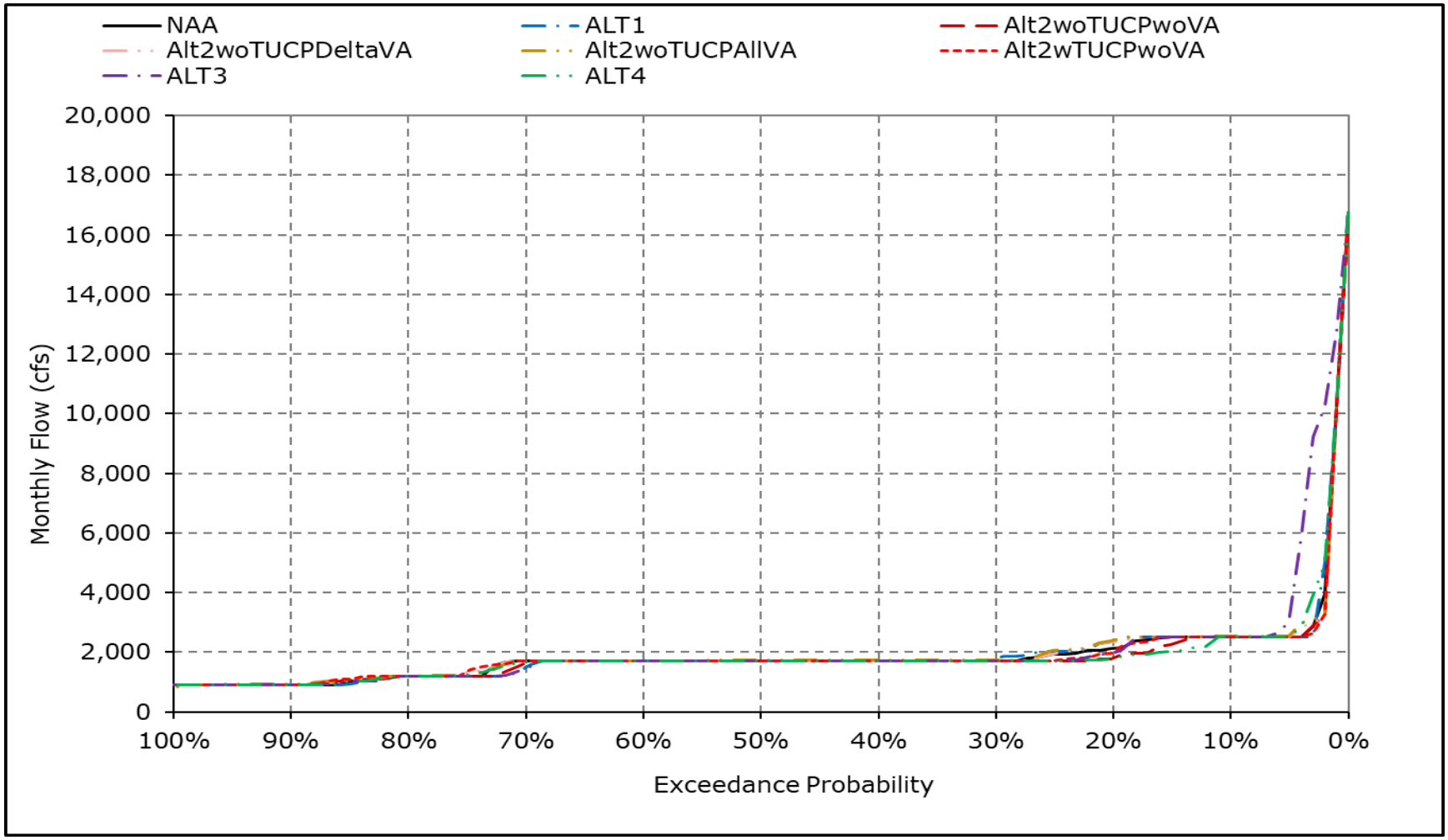
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-6. Feather River Flow downstream of Thermalito, Critical Year Average Flow



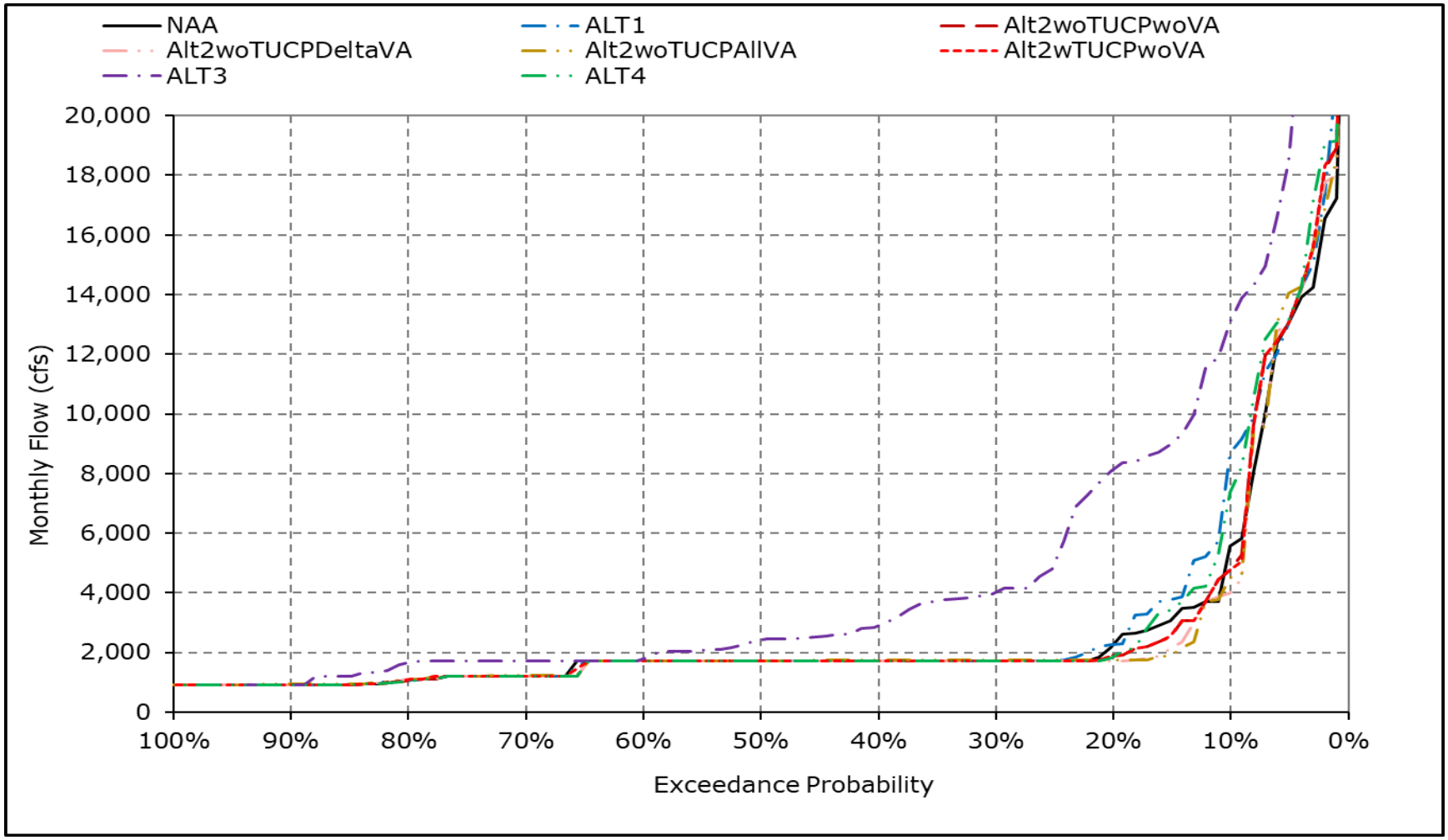
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-7. Feather River Flow downstream of Thermalito, October



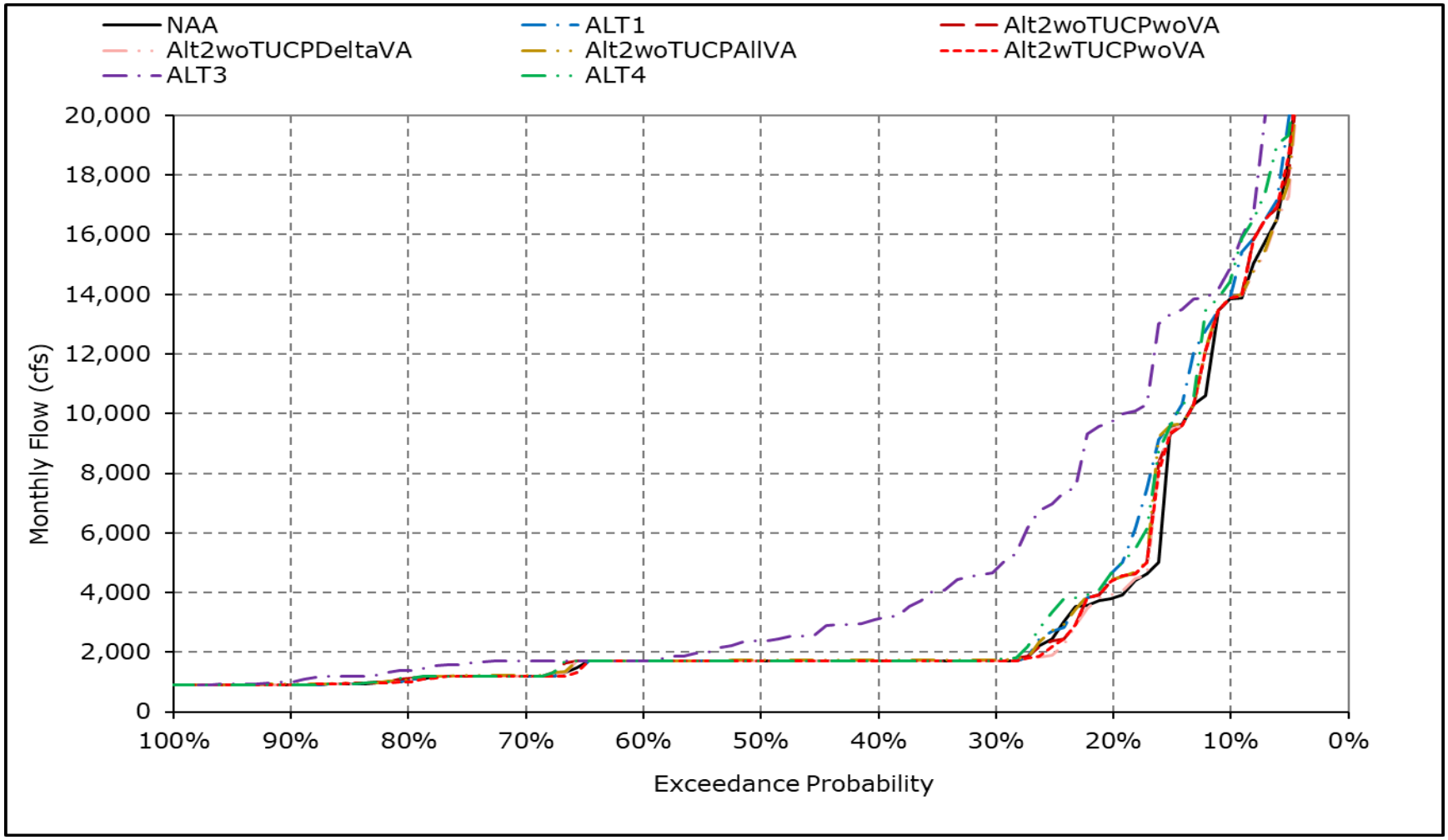
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-8. Feather River Flow downstream of Thermalito, November



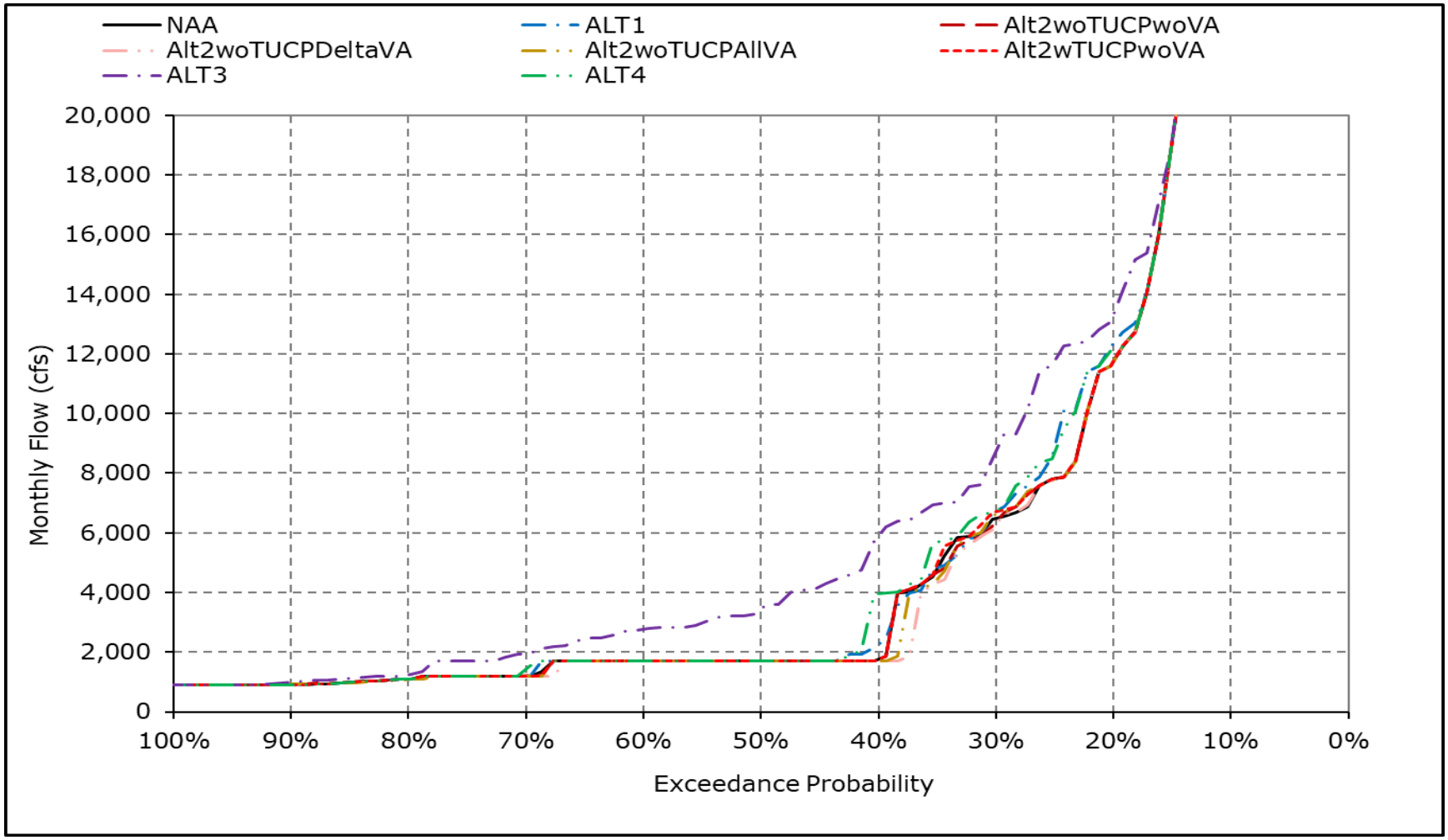
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-9. Feather River Flow downstream of Thermalito, December



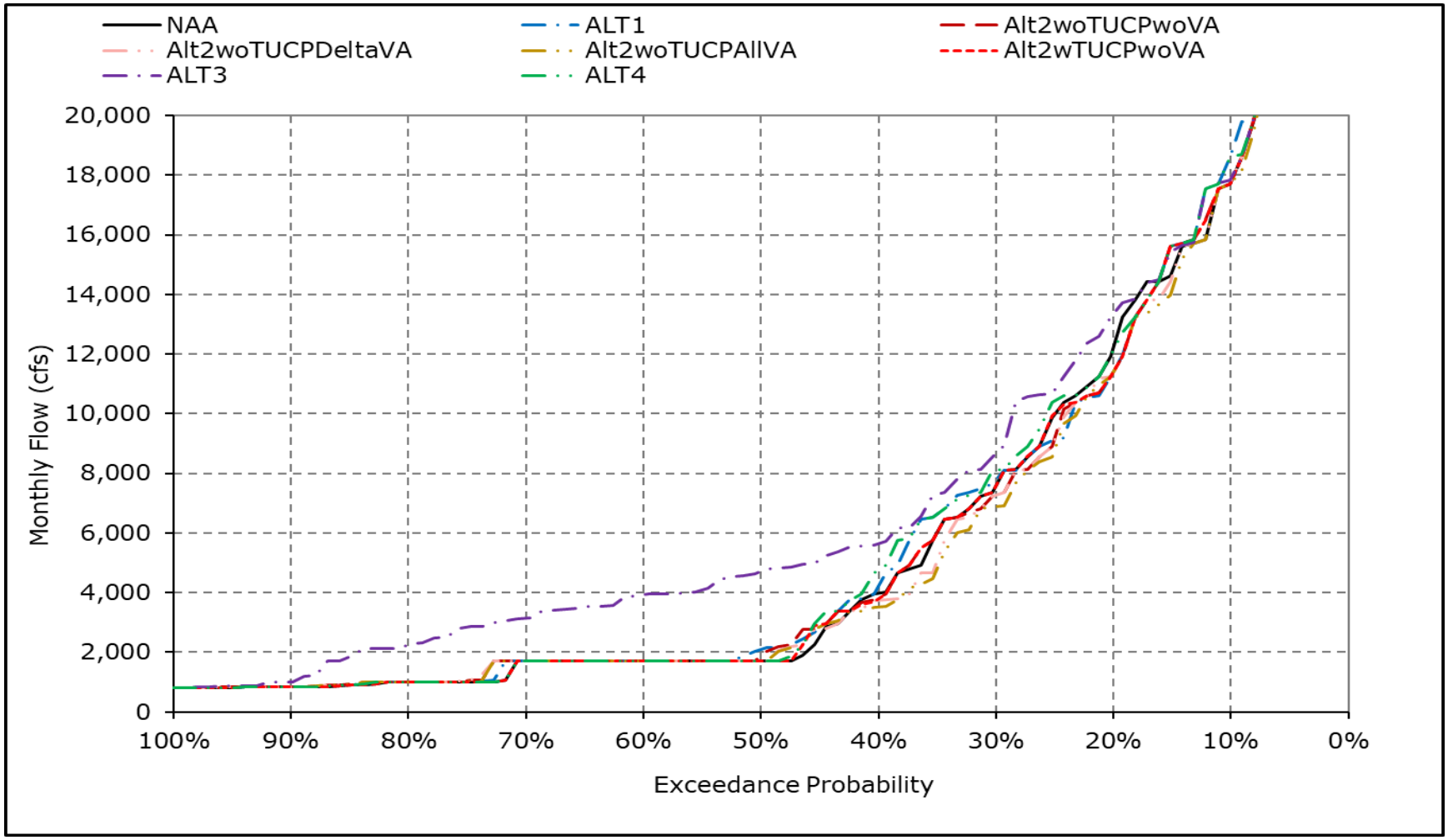
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-10. Feather River Flow downstream of Thermalito, January



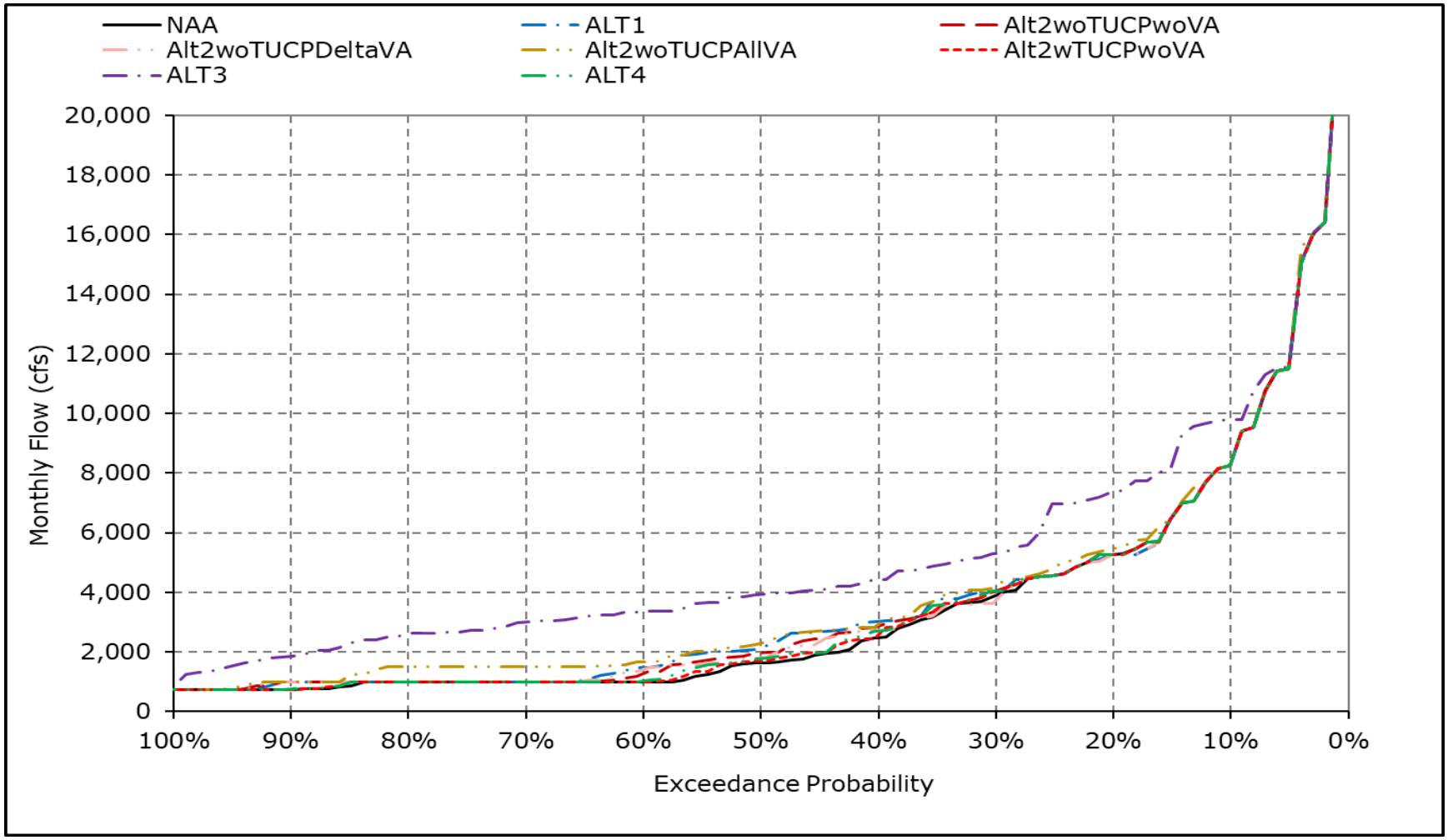
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-11. Feather River Flow downstream of Thermalito, February



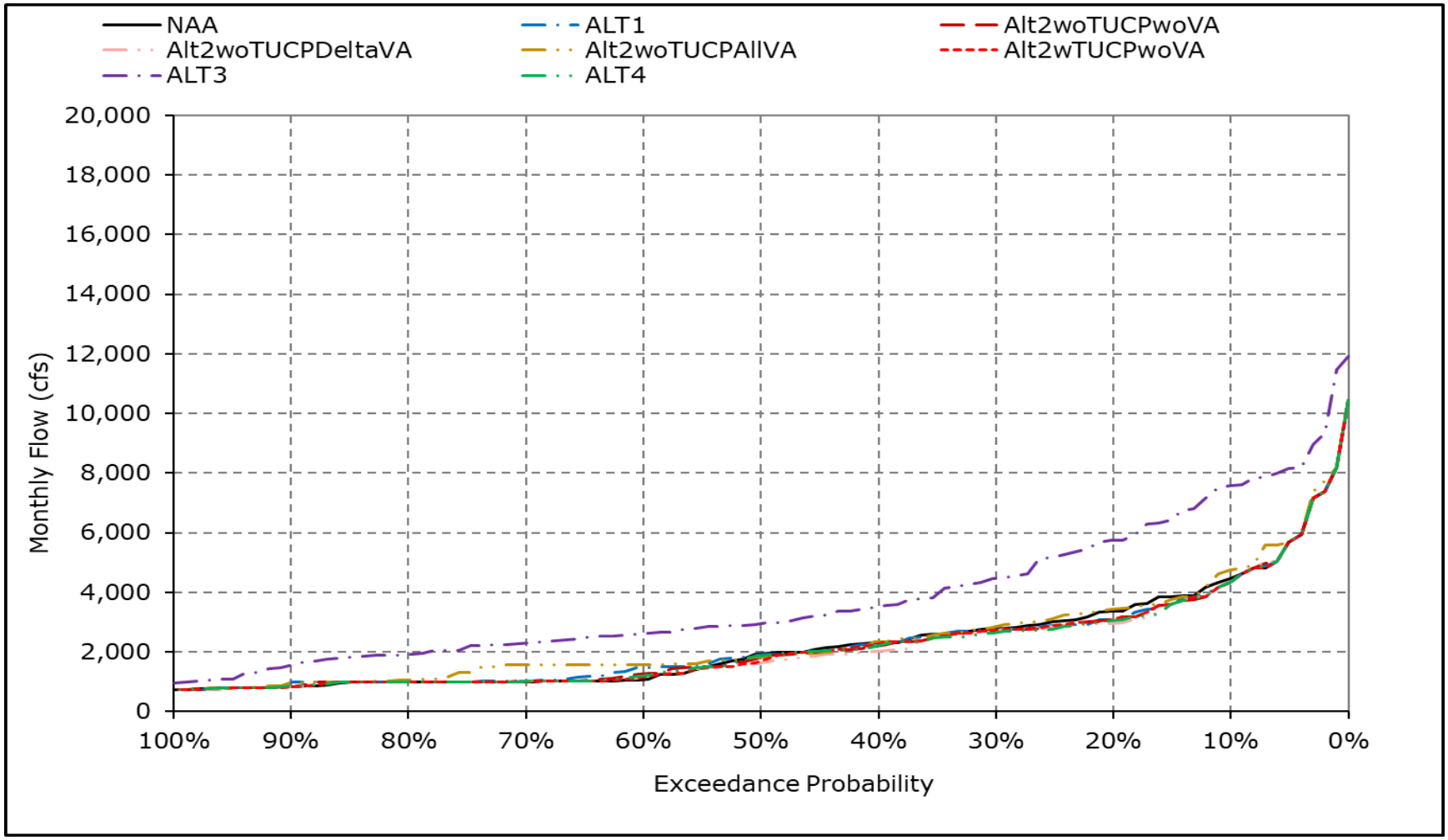
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-12. Feather River Flow downstream of Thermalito, March



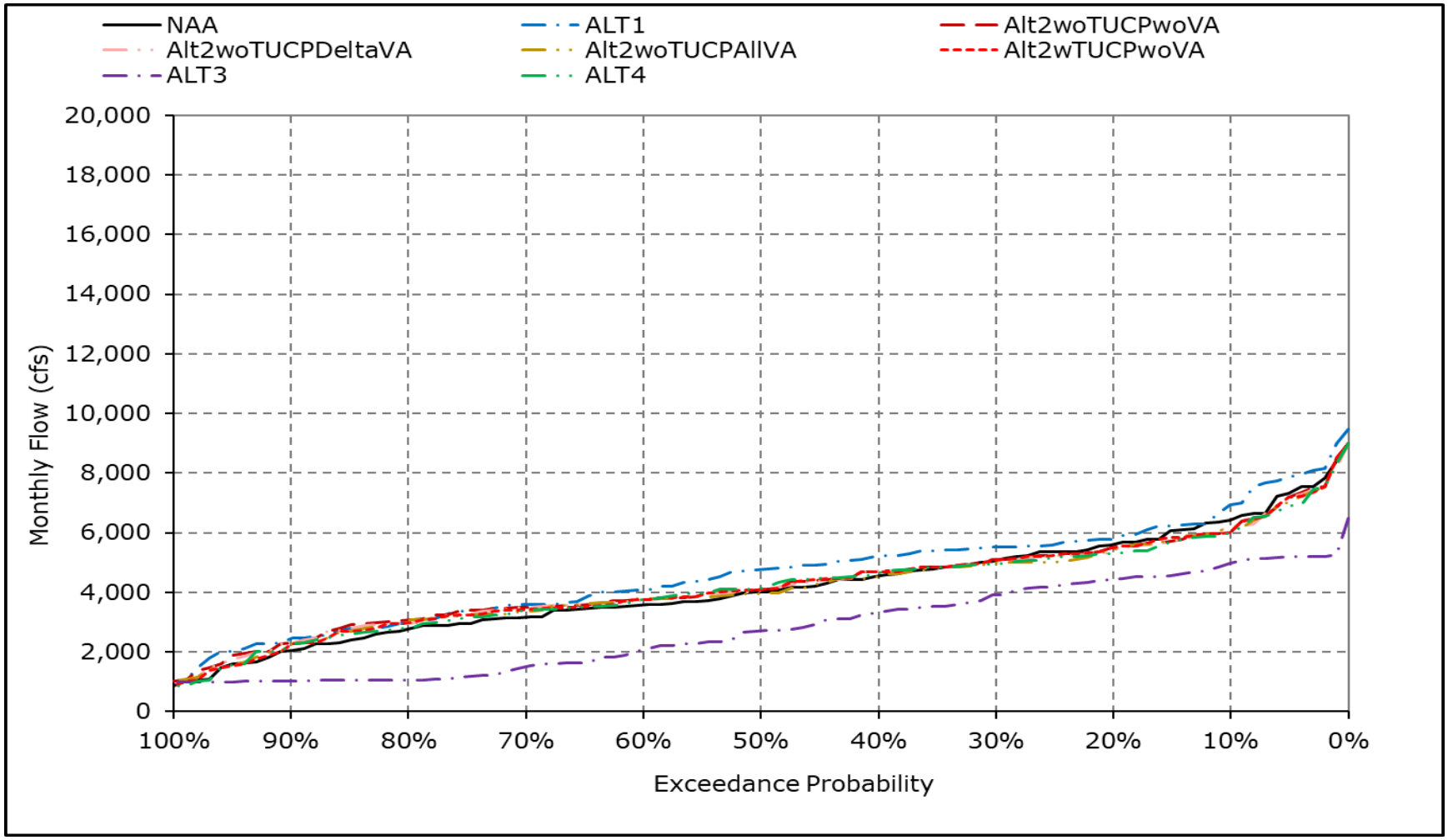
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-13. Feather River Flow downstream of Thermalito, April



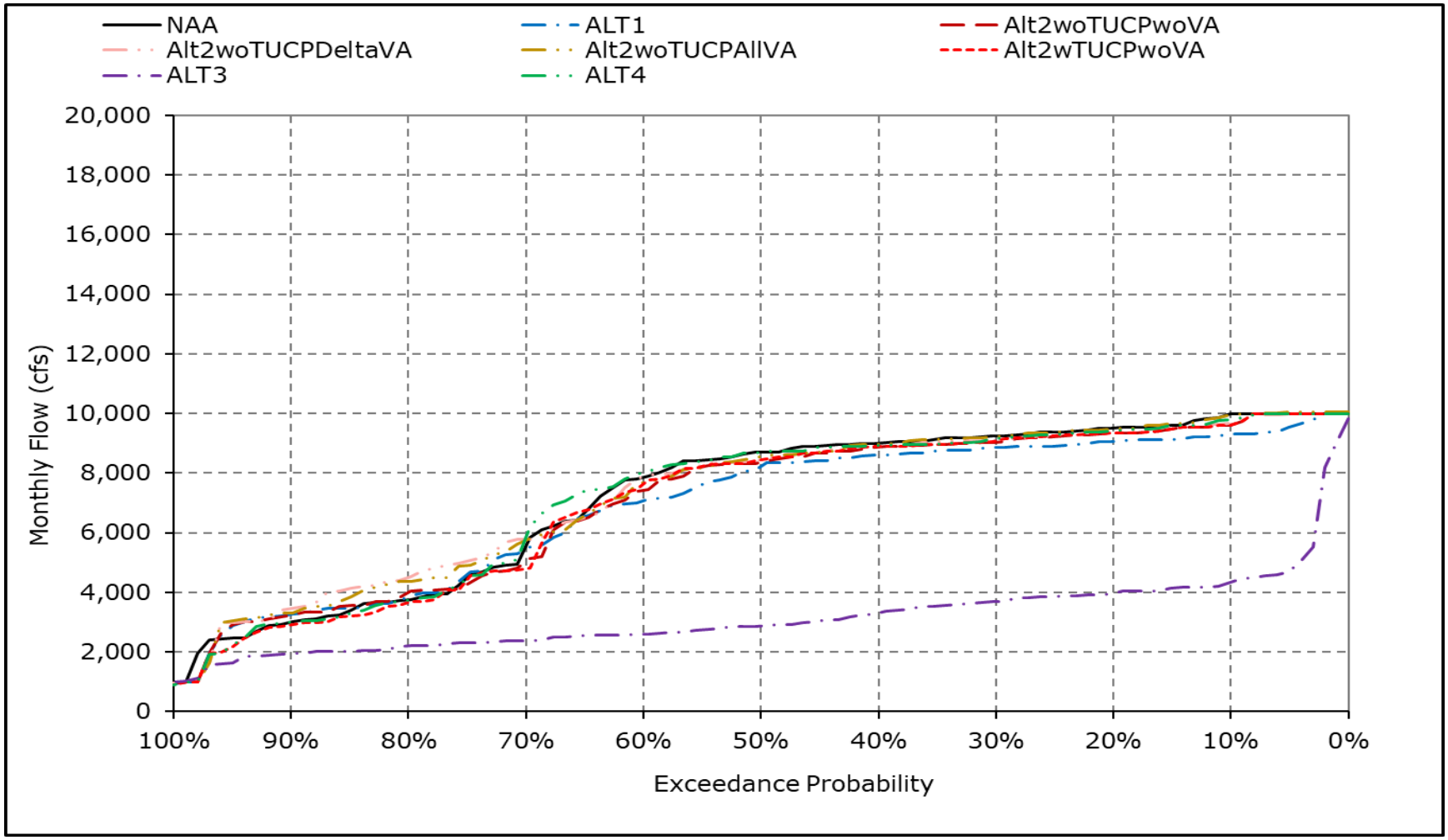
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-14. Feather River Flow downstream of Thermalito, May



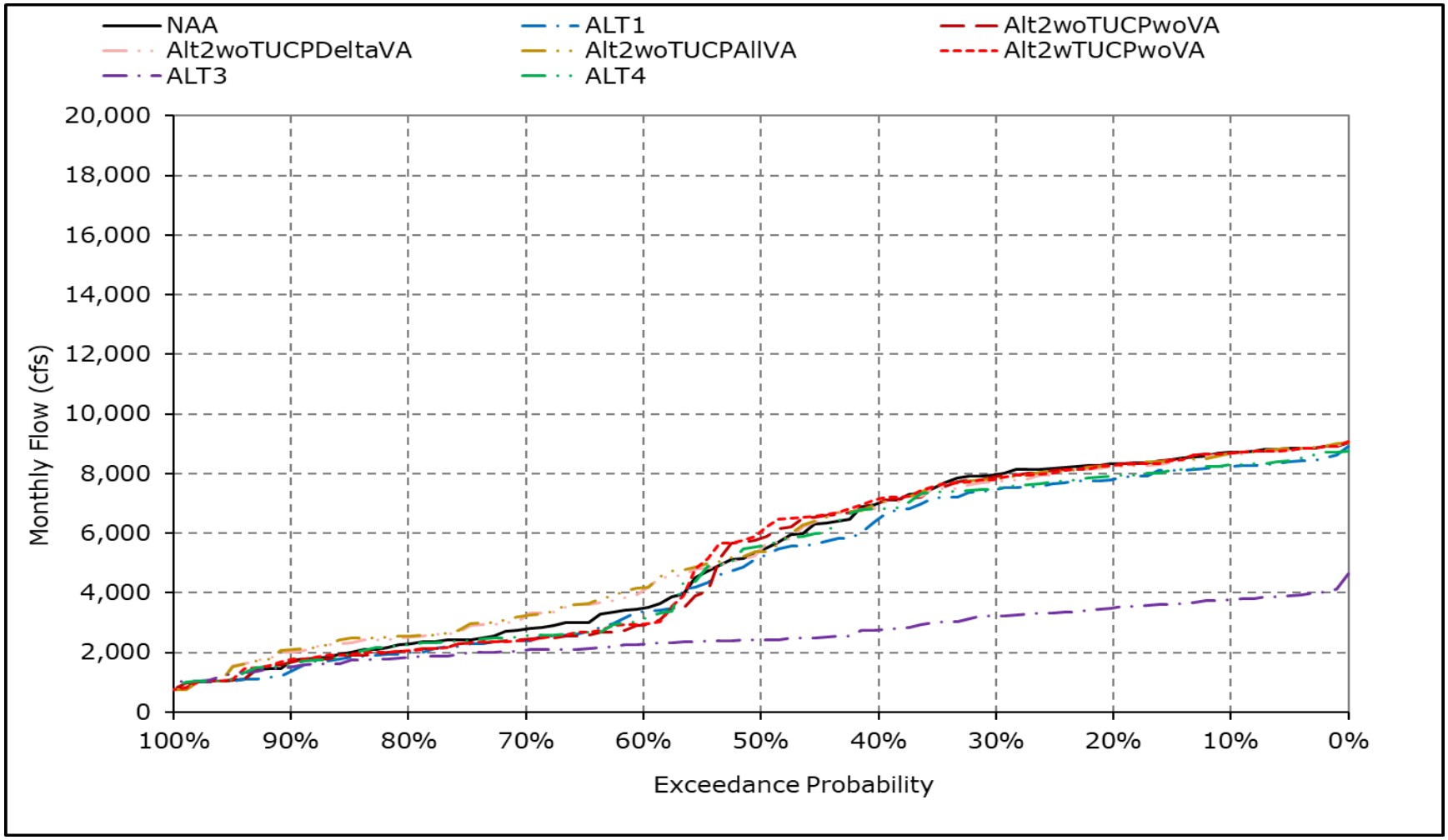
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-15. Feather River Flow downstream of Thermalito, June



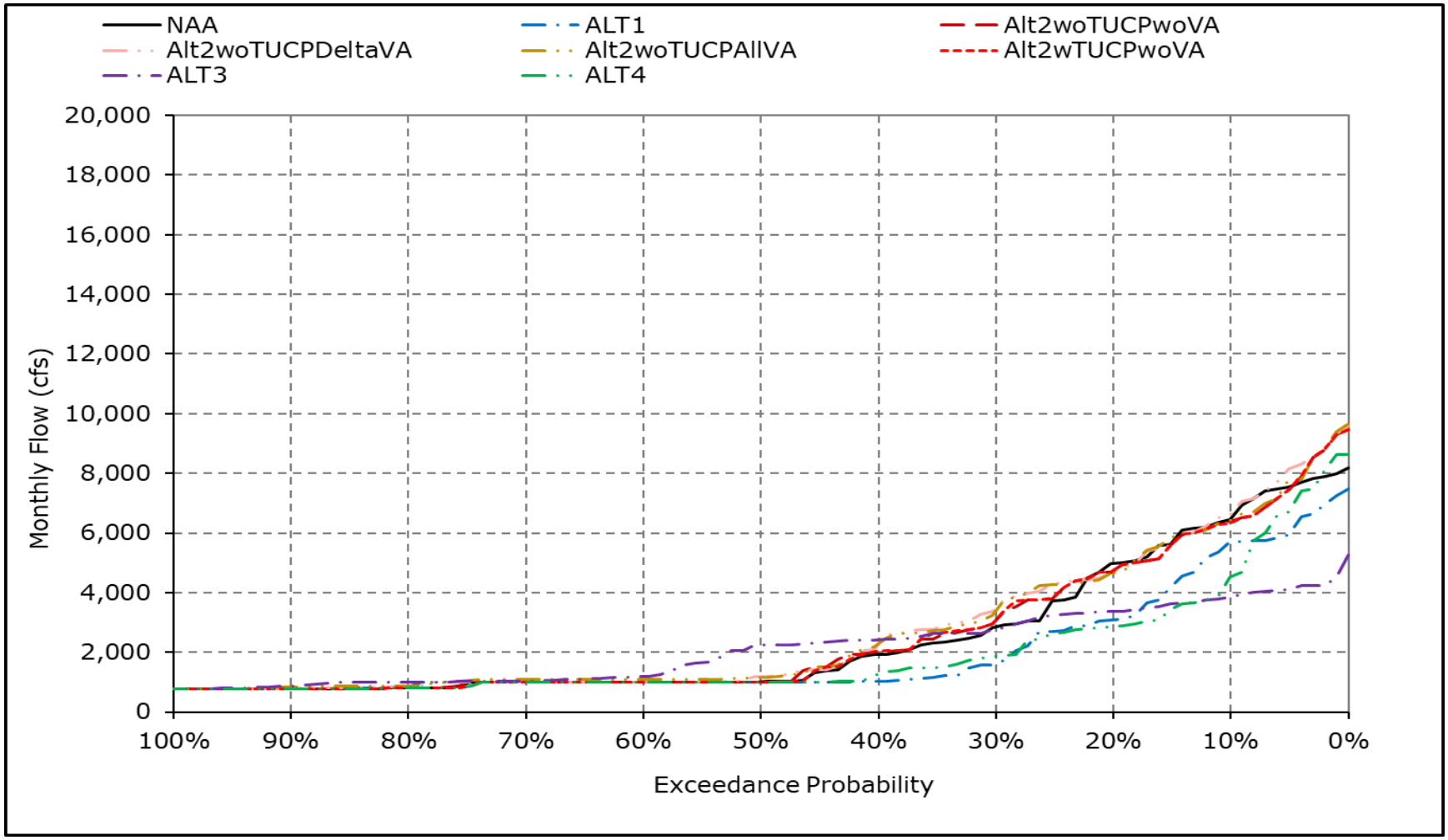
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-16. Feather River Flow downstream of Thermalito, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-17. Feather River Flow downstream of Thermalito, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-18. Feather River Flow downstream of Thermalito, September

Table F.2.2-9-1a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-1b. Feather River at Sacramento River Confluence Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,833	4,388	16,729	29,155	40,703	30,278	16,867	10,066	8,005	9,495	9,243	6,985
20% Exceedance	4,461	3,618	9,366	18,606	22,264	21,508	12,781	7,339	6,879	9,382	8,760	4,459
30% Exceedance	4,004	3,267	5,838	9,306	15,255	16,635	8,686	5,245	6,420	9,150	8,271	3,534
40% Exceedance	3,260	2,870	4,278	6,673	11,800	11,591	5,949	4,379	5,931	8,845	7,559	2,742
50% Exceedance	2,744	2,714	3,718	5,426	8,234	7,430	4,954	3,877	5,510	8,623	6,300	2,431
60% Exceedance	2,379	2,507	2,984	4,269	5,074	5,737	3,836	3,590	5,242	7,469	4,206	2,206
70% Exceedance	2,220	2,274	2,717	3,102	4,022	4,287	3,392	3,308	4,496	6,039	3,037	1,951
80% Exceedance	1,686	1,921	2,402	2,660	3,516	3,351	2,848	2,744	3,893	4,104	2,719	1,828
90% Exceedance	1,449	1,563	2,014	2,236	2,873	2,385	2,185	2,074	3,272	3,660	2,312	1,694
Full Simulation Period Average[a]	3,092	3,395	7,325	11,275	14,894	13,468	8,015	5,108	5,667	7,267	5,814	3,282
Wet Water Years (28%)	4,106	4,636	9,141	25,408	33,867	28,790	16,271	8,327	6,405	8,458	7,127	4,072
Above Normal Water Years (14%)	4,025	3,925	6,484	13,097	14,772	16,311	8,299	5,888	6,613	9,102	8,854	5,514
Below Normal Water Years (18%)	2,753	2,815	7,694	5,882	8,079	8,191	5,233	4,343	6,151	8,280	6,819	3,452
Dry Water Years (24%)	2,505	3,076	8,221	3,687	5,804	5,039	4,012	3,517	5,387	6,524	3,981	1,977
Critical Water Years (16%)	1,611	1,756	2,903	2,401	3,102	2,745	2,451	2,039	3,422	3,554	2,472	1,712

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-1c. Feather River at Sacramento River Confluence Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	91	135	1,250	2,202	439	431	-5	0	698	-448	-485	-1,347
20% Exceedance	-75	108	-135	2,791	-293	-945	6	16	501	-252	-522	-1,895
30% Exceedance	-379	155	410	6	101	982	-153	-48	491	-404	-544	-839
40% Exceedance	-570	22	64	211	1,226	390	97	-186	518	-471	-533	-571
50% Exceedance	-96	17	328	-28	635	11	209	-22	646	-378	-211	-217
60% Exceedance	38	-8	-1	-25	-4	105	96	81	607	-1,058	-57	27
70% Exceedance	71	-41	-24	-112	0	8	78	35	88	49	-329	30
80% Exceedance	3	14	-24	45	6	65	448	-17	148	-67	-75	46
90% Exceedance	-7	-108	17	10	25	27	756	301	393	402	-167	63
Full Simulation Period Average[a]	-90	26	227	211	88	98	181	13	452	-273	-372	-551
Wet Water Years (28%)	-361	65	445	393	-95	-7	9	78	488	-270	-1,079	-2,292
Above Normal Water Years (14%)	-44	268	377	747	-227	-623	-44	52	1,075	-451	-549	-350
Below Normal Water Years (18%)	-72	13	-138	4	1,020	937	111	-489	633	-495	174	647
Dry Water Years (24%)	219	1	271	-30	-100	-14	138	78	-229	-468	-168	10
Critical Water Years (16%)	-149	-233	37	19	-81	139	823	332	665	416	97	130

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-2a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-2b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,699	4,194	15,722	28,565	40,143	30,086	16,871	10,065	7,200	9,765	9,706	8,214
20% Exceedance	4,487	3,484	9,500	16,807	22,612	21,492	12,773	7,353	6,394	9,589	9,323	6,365
30% Exceedance	4,384	3,046	5,140	9,306	15,370	15,659	8,860	5,197	5,865	9,437	8,887	4,619
40% Exceedance	3,486	2,800	4,132	6,458	10,571	11,168	5,851	4,392	5,334	9,213	8,045	3,378
50% Exceedance	2,873	2,676	3,346	5,424	7,508	7,419	4,779	3,767	5,022	8,697	6,864	2,709
60% Exceedance	2,307	2,465	2,990	4,389	5,074	5,632	3,784	3,511	4,737	7,855	3,762	2,224
70% Exceedance	2,057	2,193	2,714	3,195	4,021	4,307	3,273	3,213	4,543	5,275	3,017	1,928
80% Exceedance	1,626	1,918	2,426	2,641	3,495	3,313	2,707	2,639	4,113	4,179	2,751	1,792
90% Exceedance	1,438	1,685	1,969	2,271	2,846	2,379	2,095	2,014	3,232	3,657	2,530	1,644
Full Simulation Period Average[a]	3,125	3,319	7,128	11,143	14,822	13,368	7,952	5,061	5,308	7,433	6,097	3,923
Wet Water Years (28%)	4,418	4,501	8,543	25,130	34,007	28,800	16,262	8,293	6,116	8,629	8,108	6,449
Above Normal Water Years (14%)	4,061	3,680	6,092	12,587	15,065	16,525	8,305	5,843	5,508	9,418	9,364	6,362
Below Normal Water Years (18%)	2,790	2,764	7,900	5,864	7,036	7,370	5,121	4,364	5,550	8,775	6,719	2,702
Dry Water Years (24%)	2,277	3,044	8,214	3,709	5,893	5,046	3,852	3,437	5,457	6,461	3,772	1,959
Critical Water Years (16%)	1,533	1,857	2,859	2,492	3,190	2,828	2,437	1,939	3,221	3,550	2,508	1,686

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-2c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-43	-60	243	1,612	-122	238	-2	-1	-108	-178	-22	-119
20% Exceedance	-49	-25	-1	992	55	-961	-2	31	17	-45	42	11
30% Exceedance	1	-66	-288	6	217	6	21	-97	-63	-118	72	246
40% Exceedance	-344	-48	-82	-5	-4	-33	-1	-173	-78	-103	-47	65
50% Exceedance	33	-21	-44	-30	-91	0	35	-132	158	-305	354	61
60% Exceedance	-34	-50	5	95	-5	0	44	1	102	-672	-501	46
70% Exceedance	-93	-122	-28	-19	-2	29	-41	-60	134	-715	-349	6
80% Exceedance	-56	11	0	26	-14	27	306	-123	369	8	-43	9
90% Exceedance	-19	14	-28	44	-2	22	666	241	354	399	52	13
Full Simulation Period Average[a]	-57	-51	30	79	16	-2	119	-34	93	-107	-89	90
Wet Water Years (28%)	-48	-71	-153	115	45	3	0	44	199	-98	-98	86
Above Normal Water Years (14%)	-8	23	-14	237	67	-409	-38	7	-31	-135	-39	499
Below Normal Water Years (18%)	-35	-39	68	-13	-23	116	-1	-468	32	0	74	-103
Dry Water Years (24%)	-10	-31	263	-7	-12	-7	-21	-1	-159	-530	-377	-8
Critical Water Years (16%)	-227	-133	-6	110	8	221	810	231	464	413	133	104

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-3a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-3b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,677	4,194	15,666	28,156	40,143	29,897	16,869	10,065	7,121	9,921	9,707	8,675
20% Exceedance	4,483	3,461	9,348	15,675	22,282	21,493	12,773	7,355	6,336	9,625	9,307	6,539
30% Exceedance	4,366	3,203	5,071	9,306	15,164	15,163	8,847	5,149	5,875	9,458	8,568	4,903
40% Exceedance	3,726	2,852	4,130	6,457	10,575	10,911	5,847	4,393	5,326	9,242	8,139	4,018
50% Exceedance	2,814	2,728	3,315	5,424	7,507	7,418	4,702	3,780	4,990	8,881	6,424	2,529
60% Exceedance	2,308	2,583	2,976	4,272	5,077	5,562	3,671	3,457	4,705	8,113	5,477	2,134
70% Exceedance	2,078	2,353	2,716	3,110	4,000	4,306	3,161	2,988	4,527	6,109	3,803	1,959
80% Exceedance	1,632	2,005	2,401	2,642	3,474	3,312	2,700	2,599	3,917	4,956	3,094	1,829
90% Exceedance	1,433	1,681	2,000	2,258	2,769	2,379	2,148	2,045	3,108	3,833	2,745	1,724
Full Simulation Period Average[a]	3,128	3,382	7,053	11,063	14,728	13,279	7,918	5,021	5,273	7,621	6,321	4,031
Wet Water Years (28%)	4,419	4,557	8,425	24,872	33,900	28,793	16,261	8,267	6,122	8,668	8,103	6,610
Above Normal Water Years (14%)	4,029	3,661	6,091	12,689	15,048	16,071	8,222	5,837	5,461	9,439	9,362	6,761
Below Normal Water Years (18%)	2,934	2,844	7,809	5,842	6,855	7,240	5,068	4,239	5,620	8,827	7,177	2,671
Dry Water Years (24%)	2,286	3,087	8,099	3,693	5,877	5,047	3,814	3,404	5,288	6,816	4,296	1,940
Critical Water Years (16%)	1,397	2,025	2,876	2,403	3,031	2,831	2,412	1,931	3,213	4,052	2,617	1,797

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-3c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-65	-59	187	1,203	-122	49	-4	-2	-187	-22	-21	342
20% Exceedance	-53	-49	-153	-140	-275	-959	-2	33	-41	-10	25	184
30% Exceedance	-18	91	-357	6	11	-490	8	-145	-54	-96	-247	530
40% Exceedance	-104	4	-84	-5	0	-291	-6	-172	-86	-74	48	705
50% Exceedance	-25	31	-75	-30	-92	-1	-43	-119	126	-120	-87	-119
60% Exceedance	-32	67	-9	-22	-1	-70	-69	-52	69	-414	1,214	-45
70% Exceedance	-72	38	-26	-104	-23	27	-153	-285	118	119	437	38
80% Exceedance	-50	98	-25	27	-35	26	299	-163	173	785	300	47
90% Exceedance	-23	10	2	32	-79	21	719	272	230	575	267	92
Full Simulation Period Average[a]	-54	12	-45	-1	-78	-90	84	-74	59	81	135	198
Wet Water Years (28%)	-48	-15	-271	-142	-61	-4	-1	18	204	-60	-103	246
Above Normal Water Years (14%)	-40	3	-15	339	49	-863	-121	1	-78	-114	-40	898
Below Normal Water Years (18%)	109	41	-24	-35	-204	-14	-54	-593	102	52	531	-134
Dry Water Years (24%)	-1	12	149	-23	-28	-6	-60	-35	-328	-176	147	-27
Critical Water Years (16%)	-362	35	11	21	-152	225	785	224	456	915	243	215

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-4a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-4b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,727	4,239	14,774	28,315	40,147	29,657	16,837	10,062	7,039	9,962	9,704	8,529
20% Exceedance	4,489	3,494	9,356	15,738	22,275	21,493	14,096	7,597	6,360	9,695	9,320	6,358
30% Exceedance	4,368	3,243	5,081	9,328	15,452	15,163	9,897	5,880	5,832	9,548	8,664	4,839
40% Exceedance	3,917	2,838	4,156	6,452	10,550	10,896	6,667	5,052	5,305	9,302	8,108	4,014
50% Exceedance	2,779	2,730	3,344	5,429	7,509	7,418	5,841	4,363	4,938	8,835	6,657	2,661
60% Exceedance	2,321	2,611	2,969	4,397	5,111	5,564	5,010	3,844	4,696	8,057	5,342	2,264
70% Exceedance	2,090	2,369	2,756	3,340	4,021	4,306	4,023	3,297	4,501	5,962	3,826	2,008
80% Exceedance	1,666	2,045	2,407	2,642	3,493	3,312	3,349	2,993	3,822	4,911	3,176	1,890
90% Exceedance	1,450	1,728	2,016	2,261	2,845	2,379	2,651	2,040	3,040	3,766	2,766	1,726
Full Simulation Period Average[a]	3,158	3,402	7,069	11,139	14,786	13,181	8,634	5,420	5,249	7,598	6,374	4,025
Wet Water Years (28%)	4,437	4,554	8,419	24,961	33,964	28,554	16,380	8,330	6,116	8,680	8,139	6,501
Above Normal Water Years (14%)	4,111	3,698	6,112	12,842	15,095	15,867	9,254	6,717	5,454	9,558	9,398	6,643
Below Normal Water Years (18%)	2,938	2,879	7,759	5,847	6,889	7,240	6,574	4,971	5,468	8,769	7,340	2,854
Dry Water Years (24%)	2,295	3,126	8,194	3,701	5,869	5,041	4,916	3,909	5,319	6,692	4,312	2,016
Critical Water Years (16%)	1,461	2,023	2,877	2,573	3,211	2,826	2,433	1,968	3,202	4,031	2,649	1,736

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-4c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-15	-14	-705	1,362	-118	-190	-36	-4	-269	19	-24	196
20% Exceedance	-47	-15	-145	-77	-282	-959	1,321	274	-18	61	39	4
30% Exceedance	-15	131	-347	27	299	-490	1,058	586	-97	-6	-150	466
40% Exceedance	87	-10	-58	-11	-25	-305	815	486	-107	-15	16	701
50% Exceedance	-60	33	-46	-25	-90	-1	1,096	464	74	-167	147	12
60% Exceedance	-20	95	-16	103	33	-68	1,270	335	60	-470	1,080	85
70% Exceedance	-60	54	14	126	-2	27	708	24	92	-28	460	86
80% Exceedance	-16	138	-19	27	-16	26	948	231	77	741	382	108
90% Exceedance	-6	56	18	34	-3	21	1,222	267	162	508	288	95
Full Simulation Period Average[a]	-24	32	-30	75	-20	-188	801	325	35	57	188	193
Wet Water Years (28%)	-29	-18	-277	-54	2	-243	118	81	199	-48	-68	137
Above Normal Water Years (14%)	42	41	6	492	97	-1,067	911	881	-85	5	-5	779
Below Normal Water Years (18%)	113	76	-73	-30	-169	-14	1,452	139	-50	-6	694	48
Dry Water Years (24%)	8	51	244	-15	-36	-13	1,042	470	-296	-300	163	49
Critical Water Years (16%)	-299	33	11	191	28	220	806	260	445	894	274	154

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-5a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-5b. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,699	4,194	15,724	28,539	40,144	29,907	16,873	10,067	7,202	9,764	9,708	8,197
20% Exceedance	4,486	3,484	9,500	16,810	23,003	21,492	13,244	7,343	6,391	9,589	9,329	6,365
30% Exceedance	4,385	3,064	5,148	9,305	15,372	15,662	8,848	5,254	5,889	9,444	8,879	4,642
40% Exceedance	3,342	2,802	4,131	6,458	10,575	11,240	5,851	4,382	5,334	9,233	8,147	3,433
50% Exceedance	2,851	2,702	3,346	5,425	7,506	7,419	4,779	3,766	5,021	8,795	7,048	2,624
60% Exceedance	2,326	2,554	2,984	4,389	5,077	5,632	3,783	3,510	4,696	8,126	3,843	2,212
70% Exceedance	2,067	2,316	2,730	3,155	4,021	4,272	3,265	3,213	4,504	5,350	3,061	1,921
80% Exceedance	1,626	1,966	2,429	2,620	3,495	3,285	2,529	2,723	4,113	4,099	2,721	1,788
90% Exceedance	1,431	1,719	2,012	2,212	2,846	2,357	1,548	1,851	2,998	3,335	2,452	1,622
Full Simulation Period Average[a]	3,120	3,356	7,134	11,126	14,845	13,365	7,869	5,042	5,258	7,392	6,149	3,925
Wet Water Years (28%)	4,419	4,500	8,545	25,152	34,034	28,803	16,263	8,293	6,116	8,627	8,105	6,457
Above Normal Water Years (14%)	4,072	3,679	6,095	12,564	15,063	16,745	8,325	5,844	5,502	9,417	9,364	6,383
Below Normal Water Years (18%)	2,775	2,831	7,901	5,868	7,135	7,386	5,185	4,374	5,556	8,951	7,024	2,781
Dry Water Years (24%)	2,278	3,061	8,211	3,709	5,893	5,042	3,854	3,441	5,451	6,538	3,806	1,962
Critical Water Years (16%)	1,503	1,999	2,897	2,362	3,177	2,605	1,822	1,805	2,920	2,987	2,442	1,573

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-5c. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-43	-59	245	1,586	-121	60	0	0	-106	-178	-20	-135
20% Exceedance	-50	-25	-1	995	446	-961	470	21	14	-45	48	11
30% Exceedance	1	-48	-280	5	218	9	9	-40	-40	-110	64	269
40% Exceedance	-488	-46	-83	-4	0	39	-1	-183	-78	-84	56	120
50% Exceedance	12	4	-44	-29	-93	0	34	-133	157	-206	537	-24
60% Exceedance	-14	39	-1	95	-2	1	43	1	61	-401	-420	33
70% Exceedance	-83	1	-12	-59	-2	-7	-49	-60	95	-640	-305	-1
80% Exceedance	-56	58	3	4	-14	-1	128	-39	369	-72	-73	6
90% Exceedance	-25	48	14	-14	-2	-1	119	78	119	77	-27	-9
Full Simulation Period Average[a]	-63	-14	36	62	39	-4	35	-53	44	-148	-37	92
Wet Water Years (28%)	-48	-72	-152	137	72	6	0	44	198	-101	-101	94
Above Normal Water Years (14%)	3	21	-11	214	65	-189	-18	8	-36	-136	-38	519
Below Normal Water Years (18%)	-50	28	69	-9	76	132	63	-458	38	176	379	-24
Dry Water Years (24%)	-9	-14	260	-7	-12	-11	-20	2	-165	-453	-343	-5
Critical Water Years (16%)	-257	10	32	-19	-6	-1	195	98	163	-151	67	-9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-6a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-6b. Feather River at Sacramento River Confluence Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,495	4,009	23,532	31,485	40,667	32,383	20,000	14,128	5,083	4,271	4,108	4,517
20% Exceedance	4,088	3,383	14,156	22,200	26,883	21,760	14,915	10,549	4,638	3,924	3,832	4,145
30% Exceedance	3,223	3,176	7,726	11,946	18,499	18,298	11,237	7,620	4,066	3,660	3,542	3,631
40% Exceedance	2,709	2,747	5,294	8,725	12,970	12,453	9,020	5,808	3,774	3,434	3,315	3,220
50% Exceedance	2,369	2,587	4,072	6,080	9,489	9,943	7,110	5,007	3,527	3,295	3,138	2,800
60% Exceedance	2,246	2,411	3,418	4,655	6,484	7,633	5,303	4,200	3,179	3,029	2,991	2,526
70% Exceedance	1,815	2,217	2,872	3,604	4,928	6,021	4,461	3,648	2,880	2,812	2,855	2,072
80% Exceedance	1,675	1,795	2,496	2,865	3,988	4,203	3,494	2,787	2,719	2,669	2,623	1,778
90% Exceedance	1,442	1,612	2,005	2,414	3,365	3,062	2,489	2,166	2,460	2,382	2,362	1,499
Full Simulation Period Average[a]	2,874	3,475	9,188	12,599	16,113	14,616	9,483	6,513	3,777	3,424	3,206	2,949
Wet Water Years (28%)	4,111	4,691	10,633	27,953	35,024	28,923	17,656	11,158	3,975	3,683	2,951	3,687
Above Normal Water Years (14%)	3,116	4,230	7,789	14,813	17,703	18,706	10,746	8,208	3,253	2,618	3,008	4,232
Below Normal Water Years (18%)	2,658	2,718	10,913	6,977	9,318	9,943	7,875	5,299	3,521	2,775	2,840	2,750
Dry Water Years (24%)	2,322	3,187	10,018	4,180	6,698	6,561	5,188	3,950	4,166	3,898	3,927	2,496
Critical Water Years (16%)	1,464	1,817	4,494	2,747	3,395	3,339	2,326	2,109	3,596	3,698	3,160	1,440

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-6c. Feather River at Sacramento River Confluence Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-246	-244	8,053	4,531	402	2,536	3,128	4,062	-2,225	-5,671	-5,620	-3,815
20% Exceedance	-448	-126	4,655	6,385	4,326	-693	2,141	3,227	-1,740	-5,710	-5,449	-2,209
30% Exceedance	-1,161	64	2,298	2,646	3,346	2,644	2,398	2,327	-1,863	-5,894	-5,273	-741
40% Exceedance	-1,121	-101	1,080	2,263	2,396	1,252	3,168	1,243	-1,638	-5,882	-4,777	-92
50% Exceedance	-471	-110	682	626	1,890	2,524	2,366	1,108	-1,337	-5,707	-3,372	151
60% Exceedance	-95	-105	433	361	1,406	2,001	1,563	690	-1,456	-5,498	-1,271	347
70% Exceedance	-334	-98	130	390	905	1,743	1,147	375	-1,529	-3,178	-511	150
80% Exceedance	-8	-112	70	249	479	917	1,093	25	-1,025	-1,502	-171	-5
90% Exceedance	-15	-59	8	188	516	704	1,060	393	-419	-876	-116	-132
Full Simulation Period Average[a]	-309	105	2,090	1,535	1,307	1,246	1,649	1,418	-1,437	-4,116	-2,980	-884
Wet Water Years (28%)	-356	119	1,937	2,939	1,062	126	1,394	2,909	-1,943	-5,044	-5,256	-2,676
Above Normal Water Years (14%)	-953	573	1,683	2,463	2,704	1,772	2,403	2,372	-2,285	-6,935	-6,395	-1,632
Below Normal Water Years (18%)	-167	-85	3,081	1,100	2,259	2,689	2,753	467	-1,997	-6,001	-3,805	-56
Dry Water Years (24%)	35	113	2,068	464	793	1,507	1,314	511	-1,450	-3,094	-223	529
Critical Water Years (16%)	-296	-172	1,628	365	212	733	699	401	839	561	785	-142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-7a. Feather River at Sacramento River Confluence Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,742	4,253	15,479	26,953	40,265	29,847	16,873	10,067	7,308	9,943	9,728	8,333
20% Exceedance	4,536	3,509	9,501	15,815	22,557	22,453	12,775	7,322	6,378	9,634	9,281	6,354
30% Exceedance	4,383	3,112	5,428	9,300	15,153	15,654	8,839	5,294	5,929	9,554	8,814	4,373
40% Exceedance	3,830	2,848	4,214	6,463	10,575	11,201	5,852	4,566	5,412	9,317	8,092	3,313
50% Exceedance	2,839	2,697	3,390	5,454	7,599	7,419	4,745	3,899	4,864	9,001	6,510	2,649
60% Exceedance	2,341	2,515	2,985	4,294	5,078	5,632	3,740	3,510	4,635	8,527	4,263	2,178
70% Exceedance	2,150	2,315	2,742	3,214	4,023	4,278	3,315	3,273	4,409	5,990	3,366	1,922
80% Exceedance	1,682	1,907	2,426	2,615	3,509	3,286	2,401	2,762	3,744	4,171	2,794	1,783
90% Exceedance	1,457	1,671	1,998	2,226	2,848	2,358	1,429	1,773	2,879	3,258	2,478	1,631
Full Simulation Period Average[a]	3,182	3,369	7,099	11,064	14,806	13,369	7,834	5,095	5,214	7,541	6,186	3,833
Wet Water Years (28%)	4,466	4,572	8,696	25,015	33,961	28,797	16,262	8,249	5,918	8,727	8,206	6,363
Above Normal Water Years (14%)	4,069	3,657	6,106	12,350	14,998	16,934	8,343	5,836	5,539	9,553	9,403	5,864
Below Normal Water Years (18%)	2,825	2,802	7,832	5,877	7,059	7,254	5,122	4,832	5,518	8,775	6,645	2,806
Dry Water Years (24%)	2,287	3,075	7,950	3,716	5,905	5,053	3,874	3,439	5,616	6,991	4,149	1,967
Critical Water Years (16%)	1,760	1,990	2,865	2,382	3,183	2,606	1,627	1,708	2,757	3,137	2,375	1,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-7b. Feather River at Sacramento River Confluence Flow, Alternative 4, Monthly Flow (cfs)

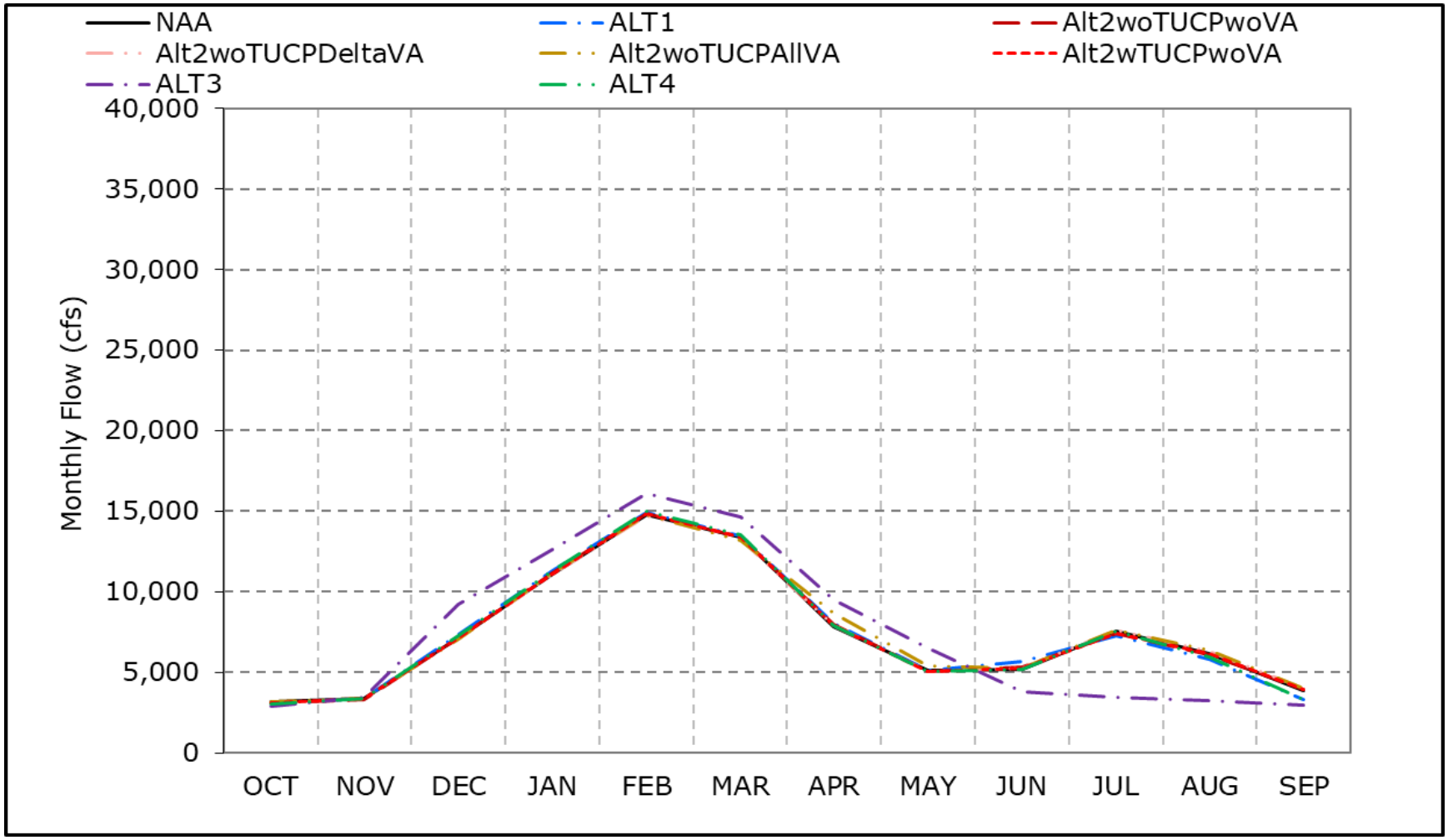
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,518	4,194	16,051	28,408	40,611	30,706	16,874	10,067	7,145	9,929	9,307	5,967
20% Exceedance	4,377	3,464	9,356	17,629	23,029	21,973	13,311	7,358	6,353	9,609	8,888	4,773
30% Exceedance	4,006	3,014	5,073	9,308	15,876	15,658	8,903	5,208	5,786	9,484	8,382	3,567
40% Exceedance	3,379	2,768	4,136	6,459	10,866	11,702	5,852	4,282	5,263	9,239	7,926	2,909
50% Exceedance	2,748	2,676	3,359	5,426	8,195	7,421	4,789	3,759	5,030	8,963	6,580	2,528
60% Exceedance	2,332	2,497	2,970	4,390	5,078	5,640	3,898	3,509	4,720	8,571	4,256	2,228
70% Exceedance	2,151	2,195	2,786	3,119	4,085	4,272	3,315	3,246	4,512	6,487	3,194	1,936
80% Exceedance	1,663	1,878	2,415	2,670	3,558	3,287	2,526	2,692	3,880	4,181	2,805	1,792
90% Exceedance	1,433	1,692	1,993	2,272	2,847	2,364	1,545	1,852	2,829	3,333	2,467	1,624
Full Simulation Period Average[a]	3,033	3,347	7,280	11,316	15,020	13,529	7,903	5,042	5,205	7,533	5,973	3,329
Wet Water Years (28%)	4,050	4,500	9,038	25,626	34,139	28,814	16,263	8,291	6,092	8,654	7,368	4,622
Above Normal Water Years (14%)	3,950	3,724	6,134	12,880	15,281	17,187	8,368	5,836	5,504	9,378	8,815	5,760
Below Normal Water Years (18%)	2,950	2,828	7,834	5,841	7,744	7,917	5,277	4,336	5,473	9,125	7,355	2,787
Dry Water Years (24%)	2,284	3,046	8,294	3,699	5,912	5,055	3,906	3,479	5,351	6,958	3,986	1,975
Critical Water Years (16%)	1,514	1,925	2,857	2,488	3,181	2,606	1,815	1,798	2,872	3,028	2,471	1,581

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-9-7c. Feather River at Sacramento River Confluence Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

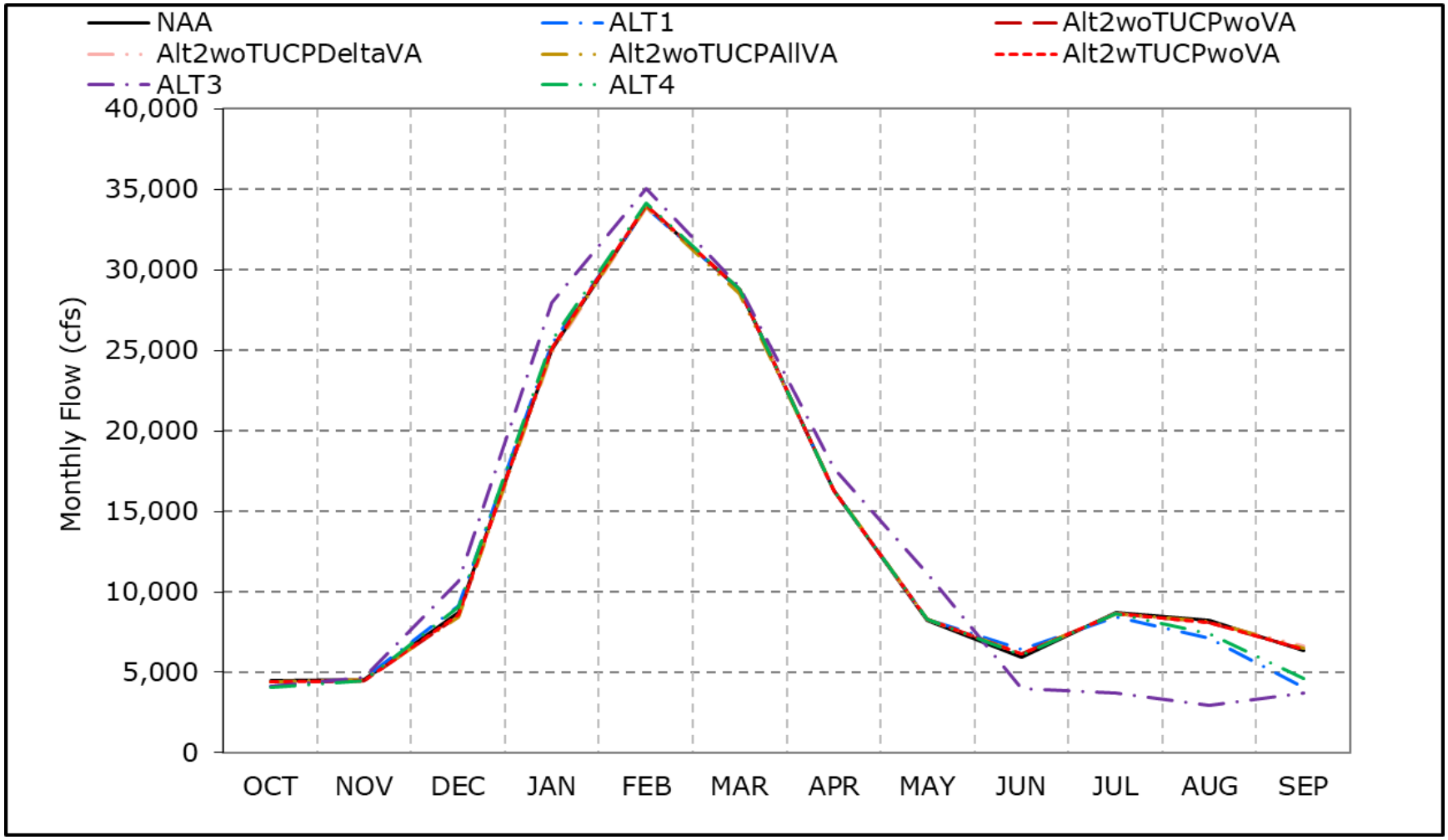
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-224	-59	572	1,455	346	859	1	0	-163	-14	-421	-2,366
20% Exceedance	-159	-45	-145	1,814	472	-480	536	36	-24	-25	-393	-1,581
30% Exceedance	-377	-98	-354	8	723	5	64	-86	-143	-70	-432	-806
40% Exceedance	-451	-80	-78	-4	291	501	0	-284	-149	-78	-165	-404
50% Exceedance	-92	-21	-32	-28	596	2	44	-140	166	-38	70	-121
60% Exceedance	-9	-18	-15	96	0	8	158	-1	85	43	-7	49
70% Exceedance	1	-120	44	-95	62	-7	1	-27	103	497	-172	14
80% Exceedance	-19	-29	-11	55	49	0	125	-70	136	10	11	9
90% Exceedance	-24	21	-5	45	-1	6	116	79	-50	75	-11	-8
Full Simulation Period Average[a]	-150	-22	182	252	214	160	69	-53	-9	-8	-213	-504
Wet Water Years (28%)	-417	-72	342	611	177	17	1	42	174	-74	-839	-1,742
Above Normal Water Years (14%)	-119	66	28	530	283	253	25	0	-35	-175	-587	-104
Below Normal Water Years (18%)	125	25	2	-36	685	662	154	-496	-45	350	709	-19
Dry Water Years (24%)	-3	-29	343	-17	7	2	33	40	-265	-34	-163	8
Critical Water Years (16%)	-246	-65	-8	106	-2	0	188	91	115	-109	96	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



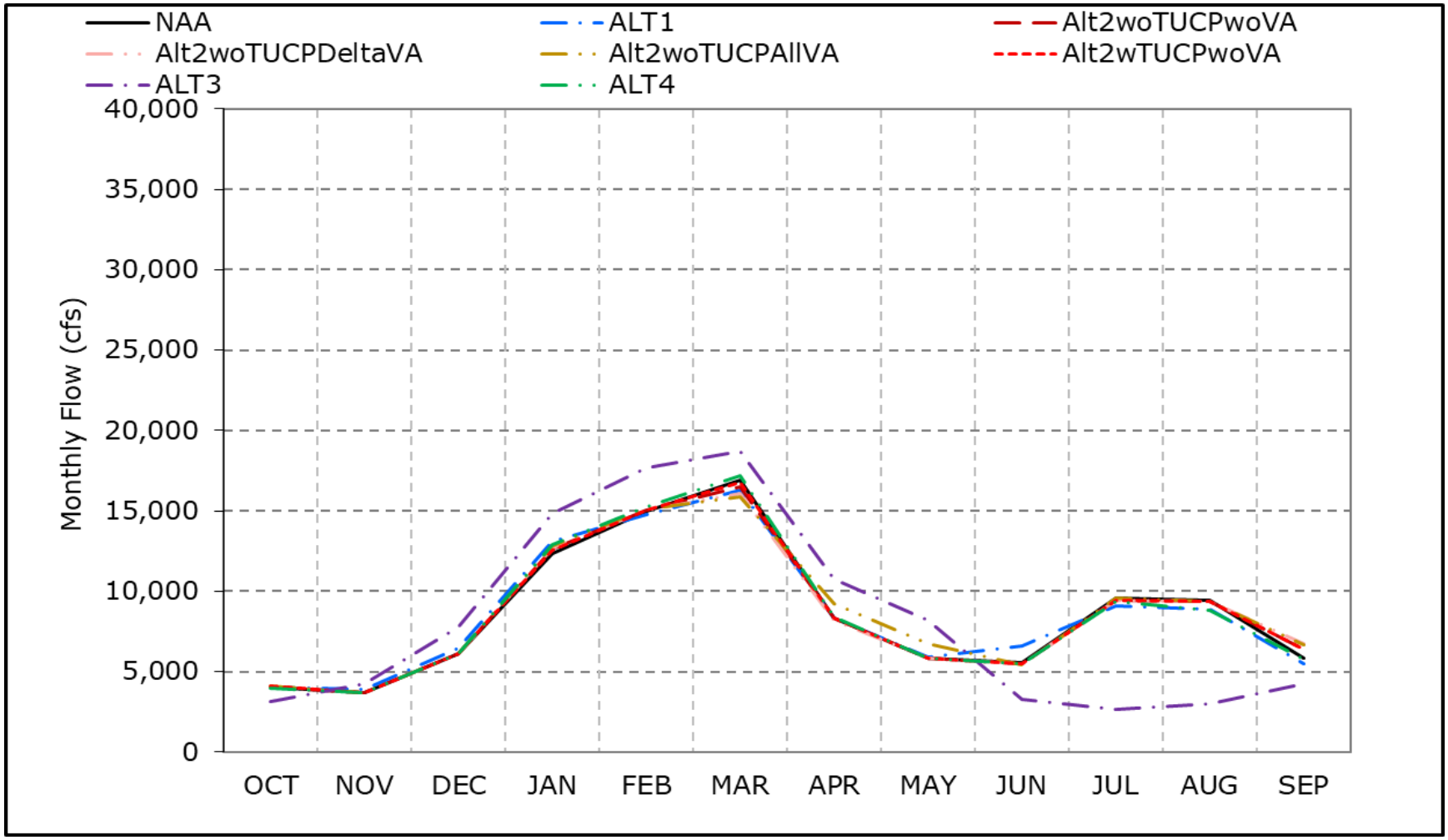
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-1. Feather River at Sacramento River Confluence Flow, Long-Term Average Flow



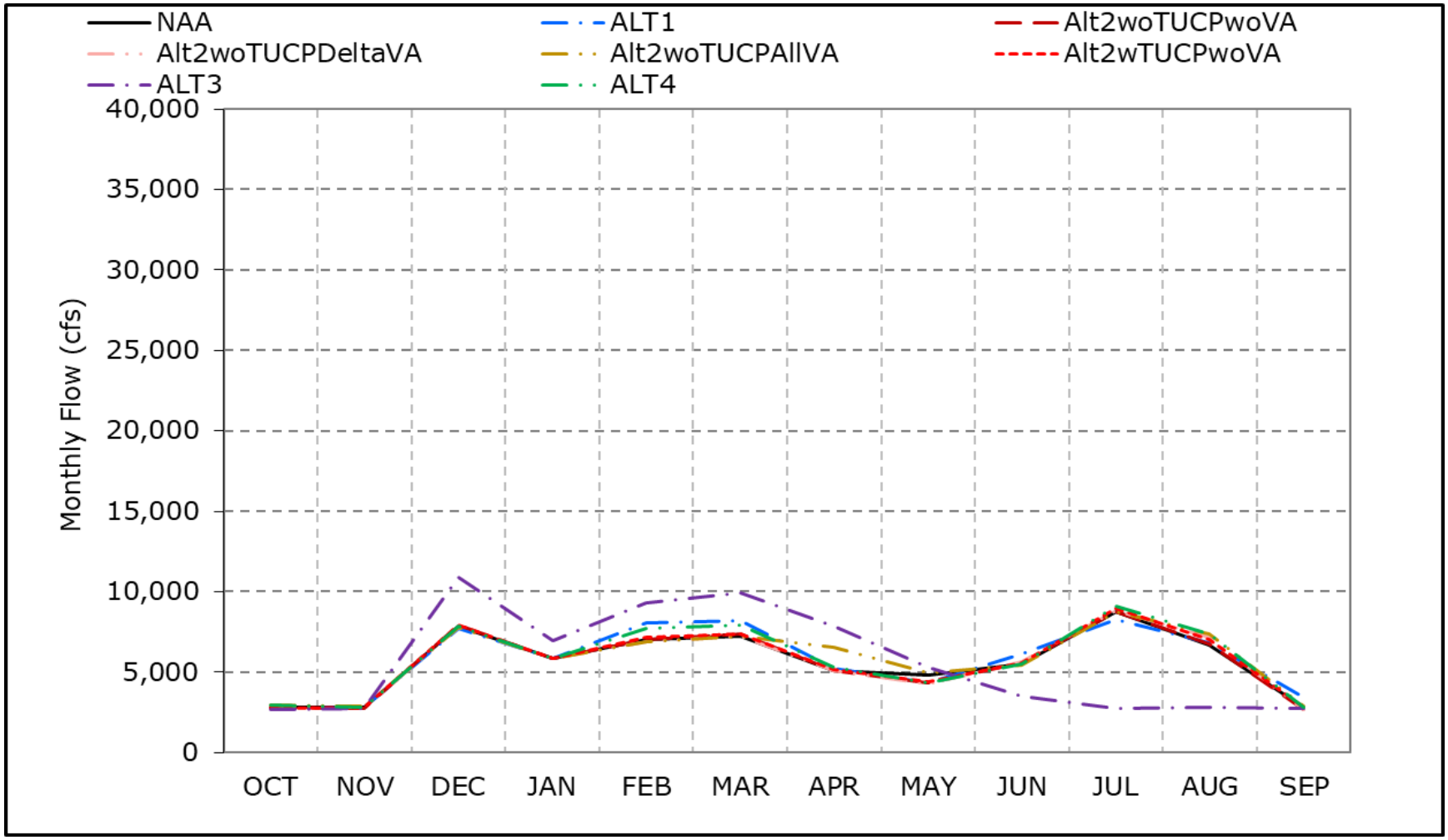
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-2. Feather River at Sacramento River Confluence Flow, Wet Year Average Flow



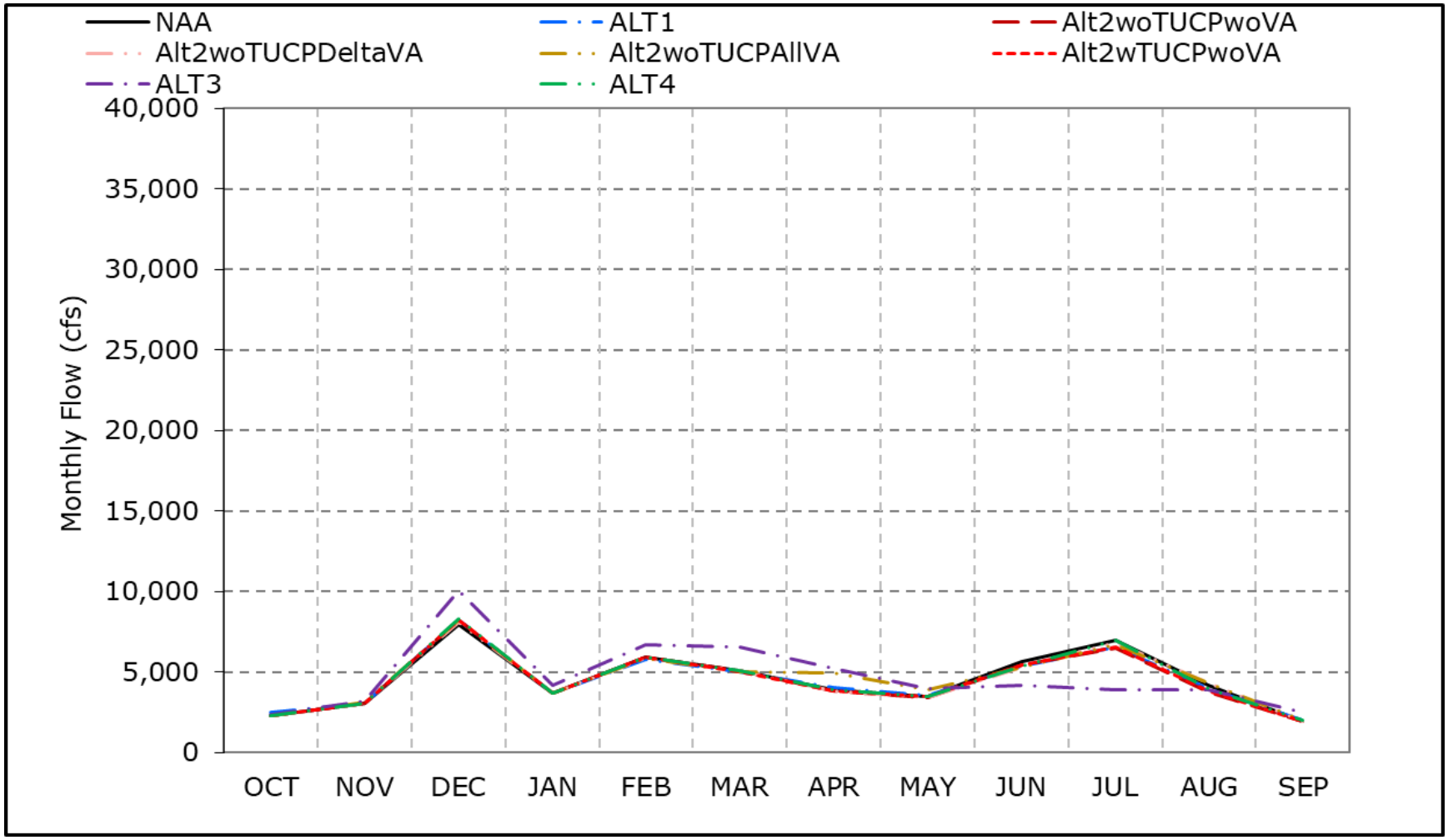
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-3. Feather River at Sacramento River Confluence Flow, Above Normal Year Average Flow



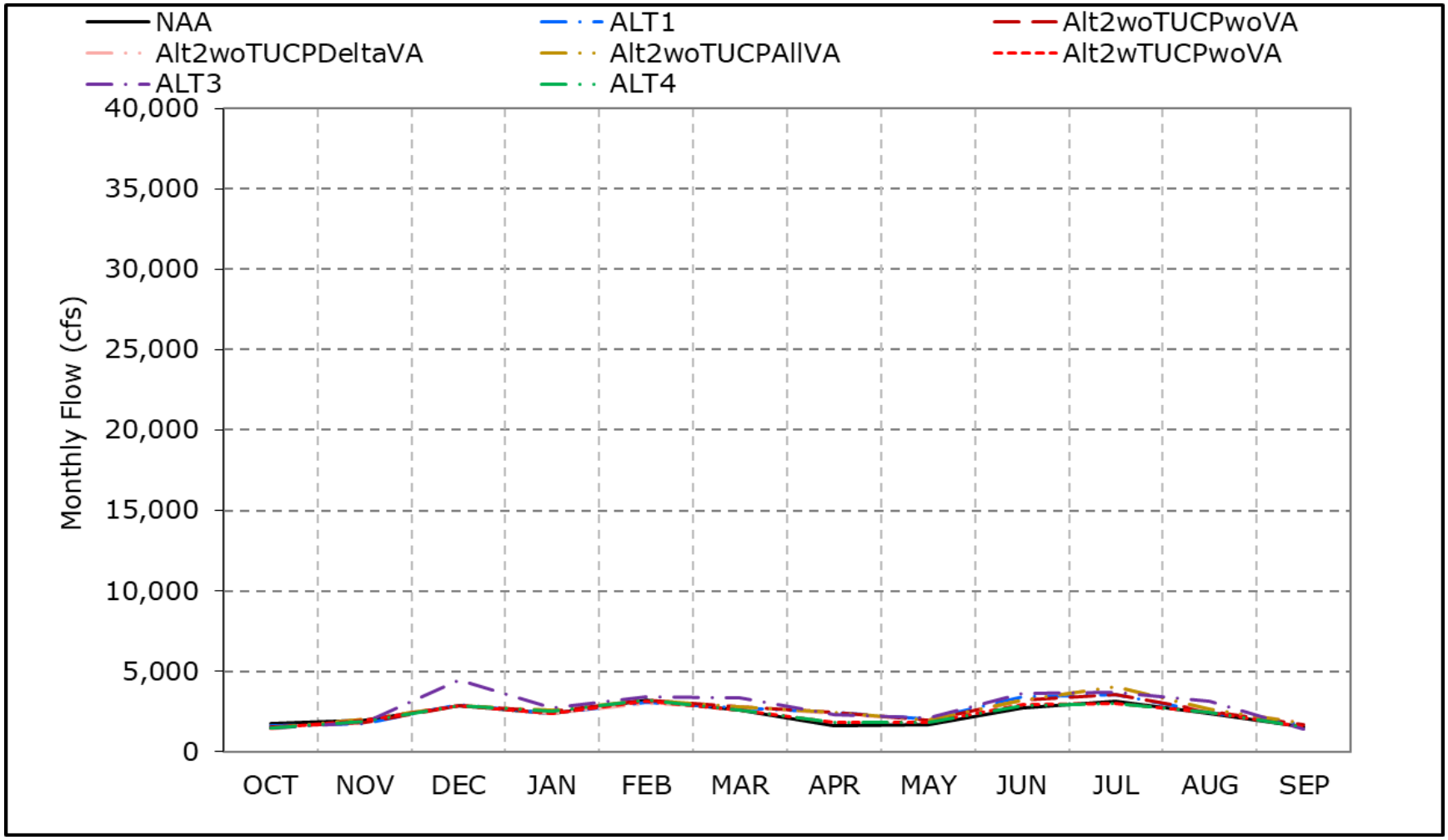
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-4. Feather River at Sacramento River Confluence Flow, Below Normal Year Average Flow



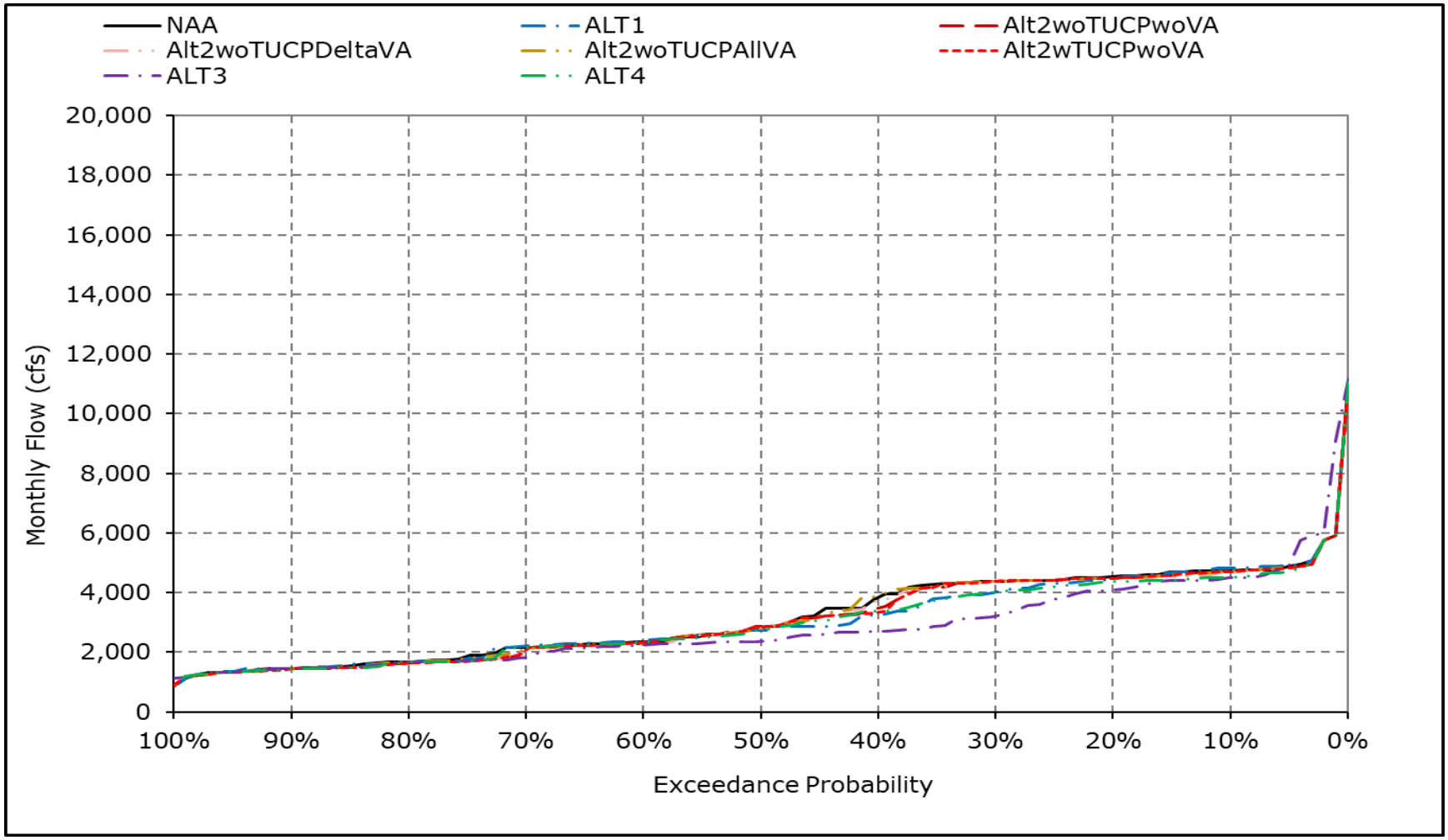
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-5. Feather River at Sacramento River Confluence Flow, Dry Year Average Flow



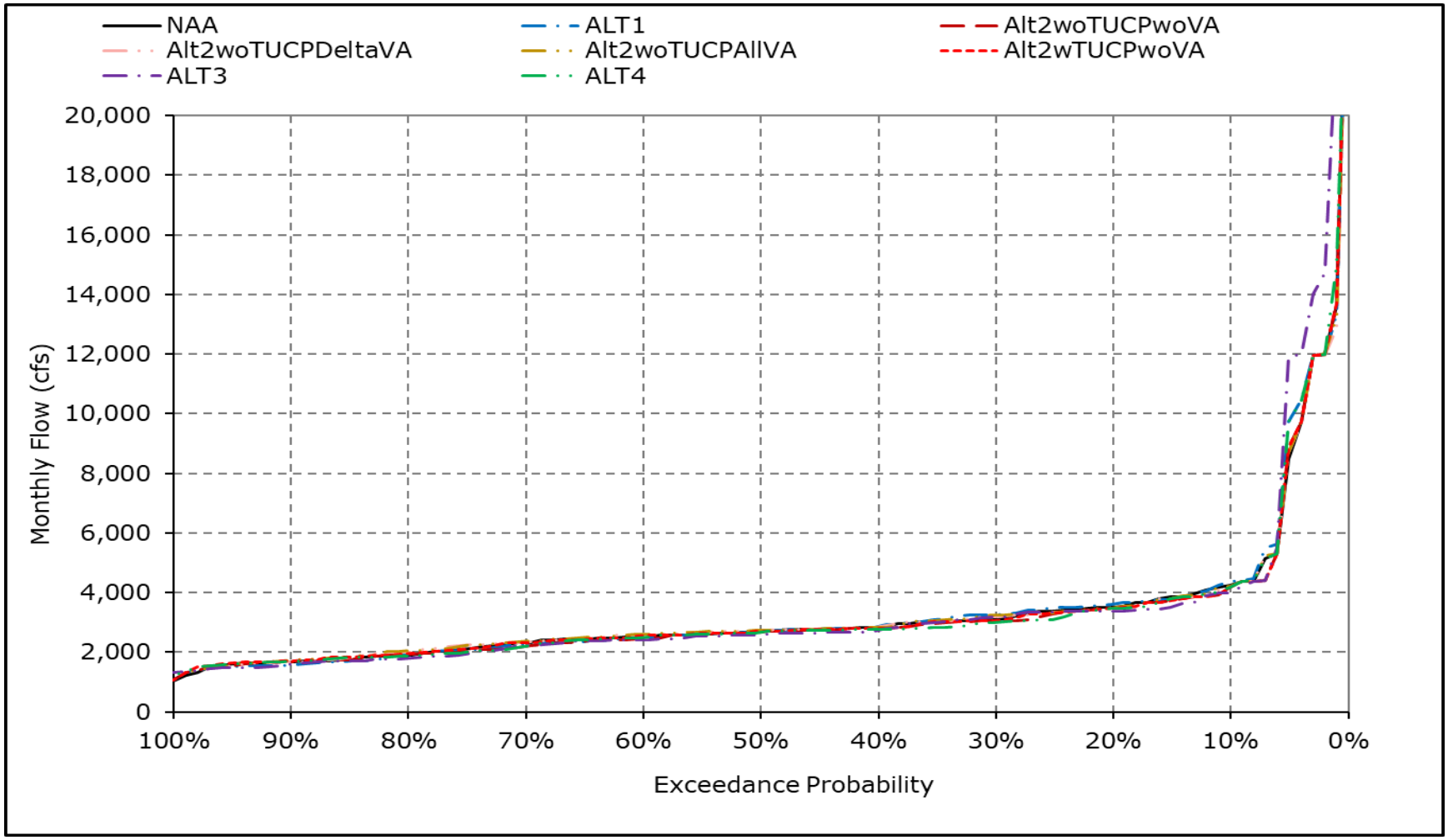
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-6. Feather River at Sacramento River Confluence Flow, Critical Year Average Flow



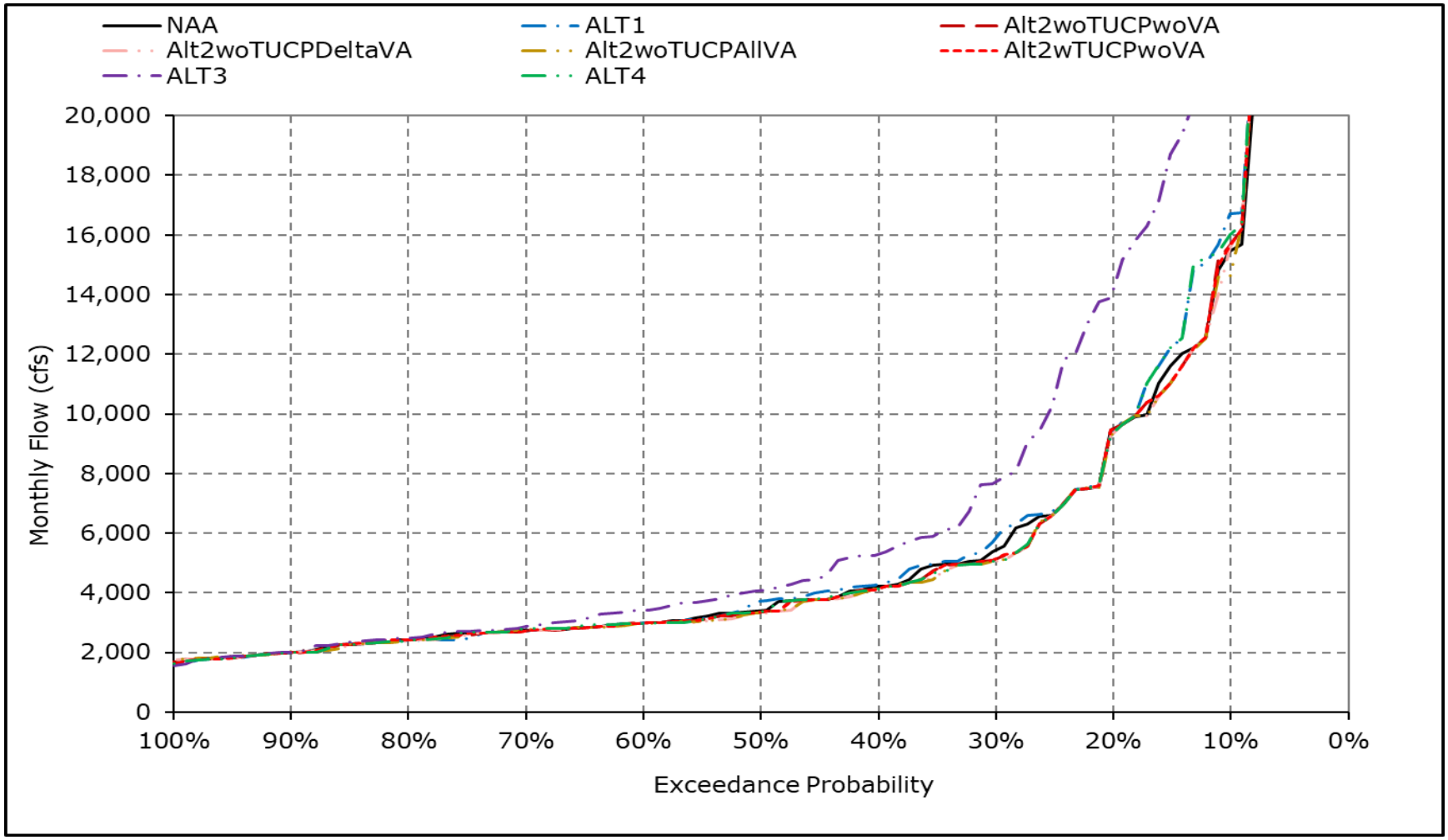
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-7. Feather River at Sacramento River Confluence Flow, October



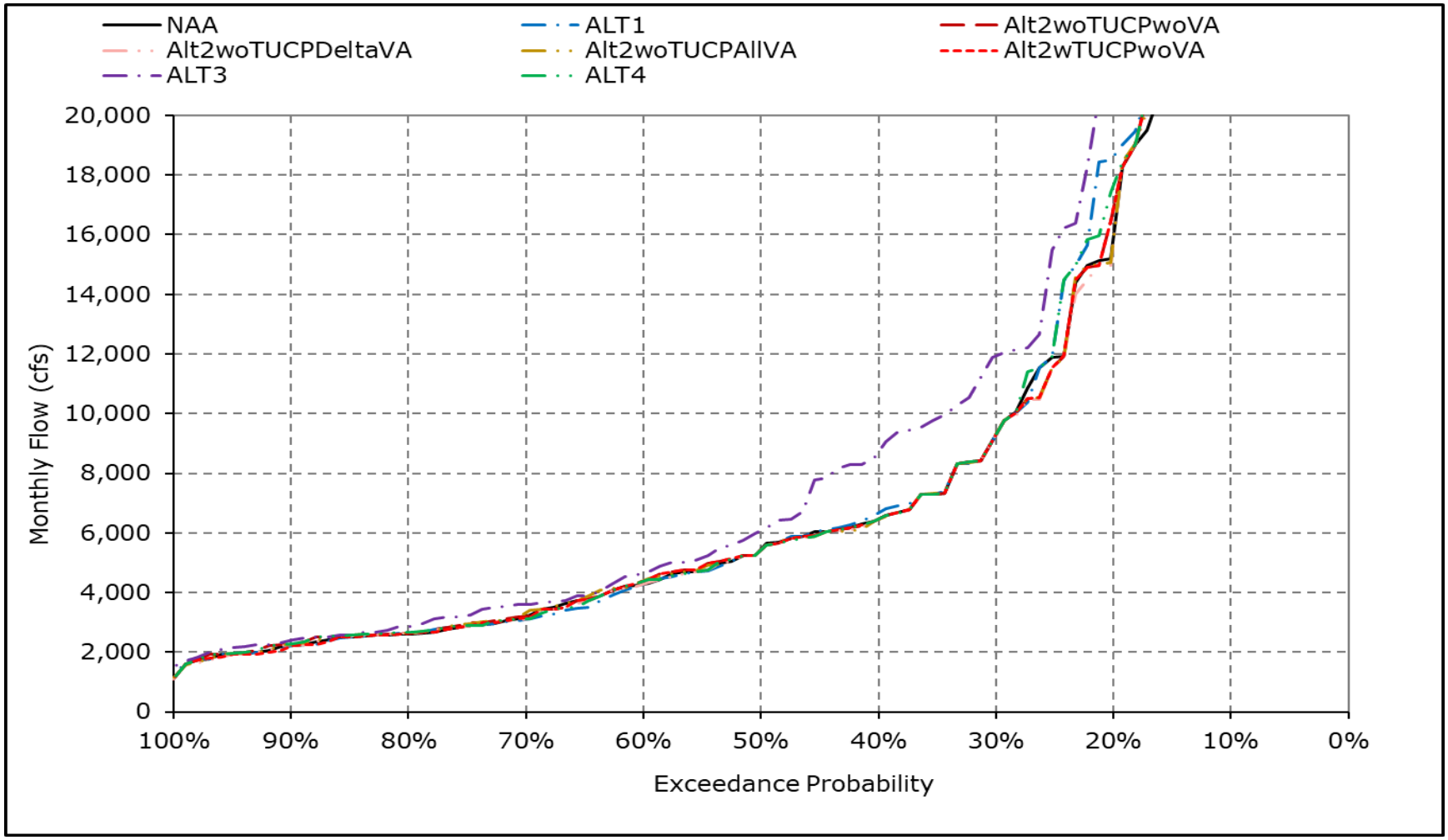
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-8. Feather River at Sacramento River Confluence Flow, November



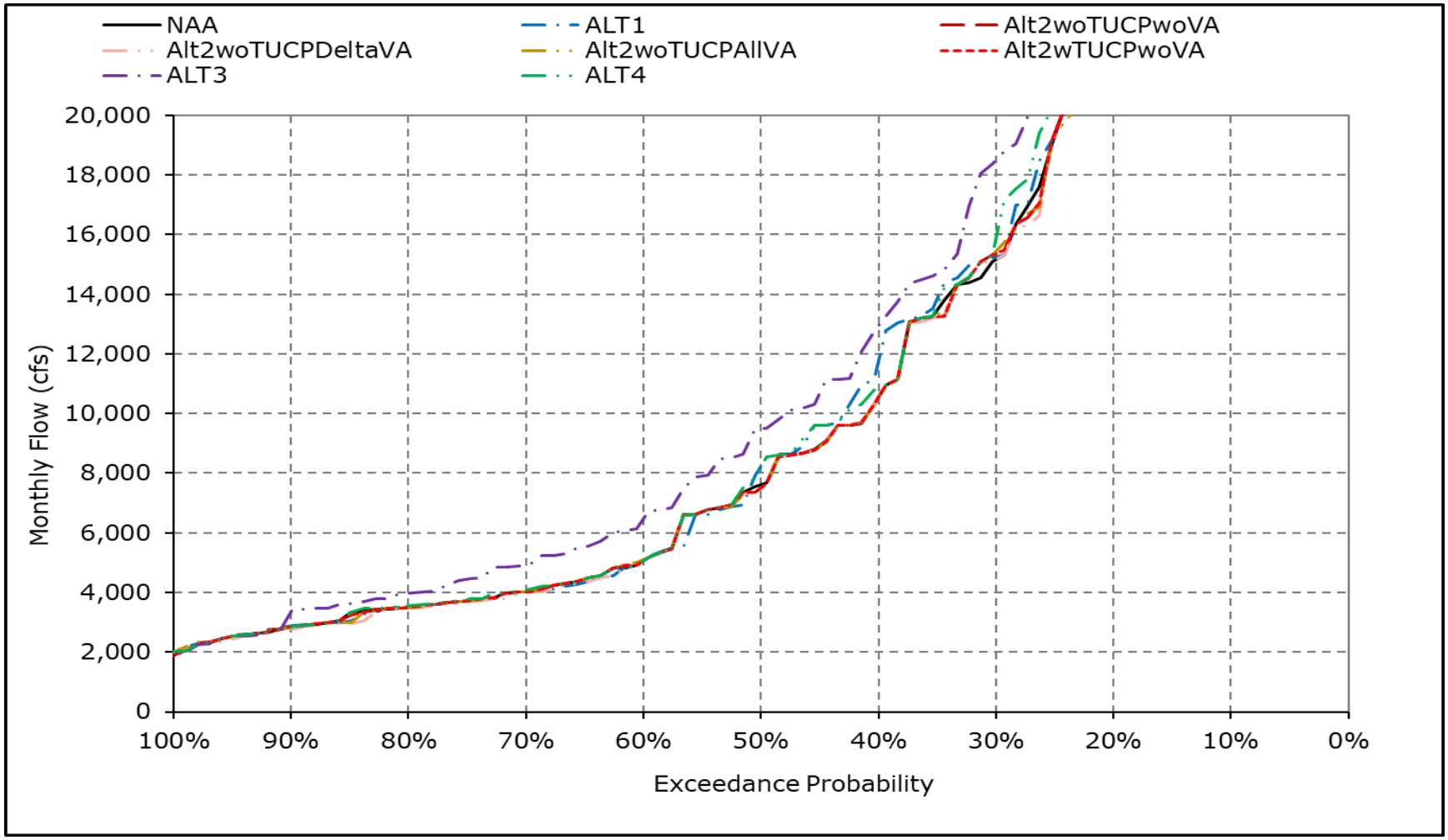
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-9. Feather River at Sacramento River Confluence Flow, December



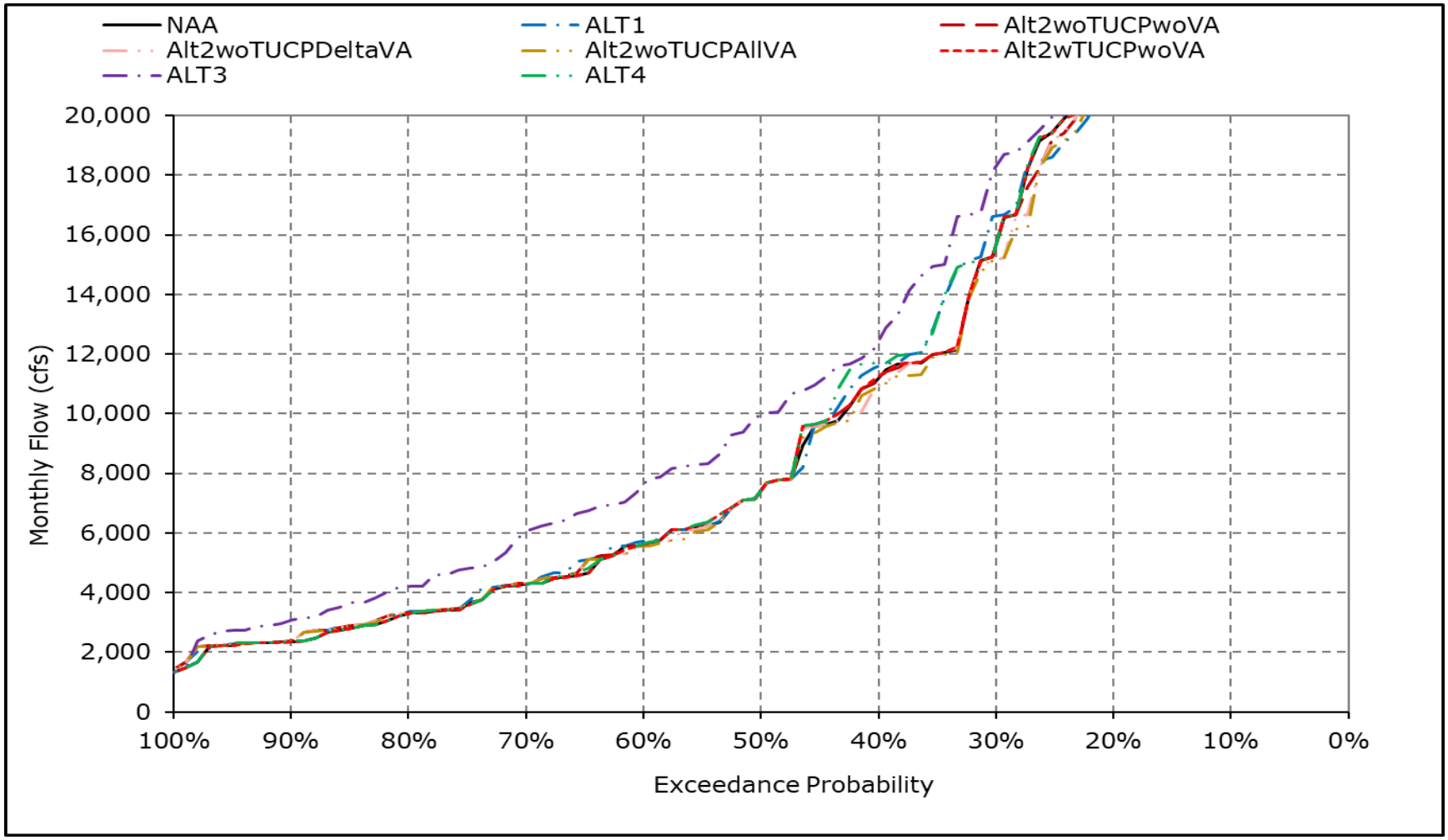
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-10. Feather River at Sacramento River Confluence Flow, January



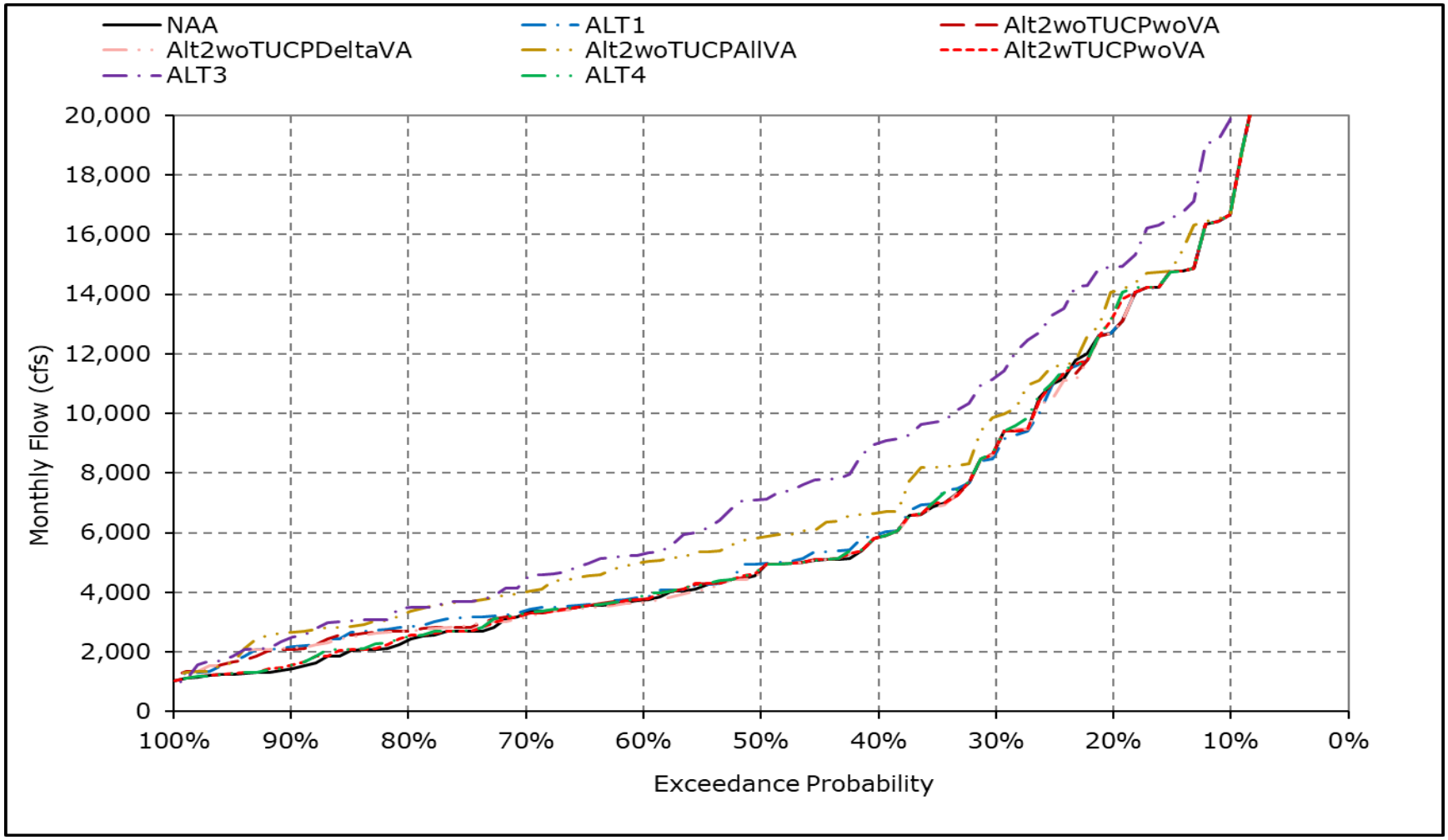
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-11. Feather River at Sacramento River Confluence Flow, February



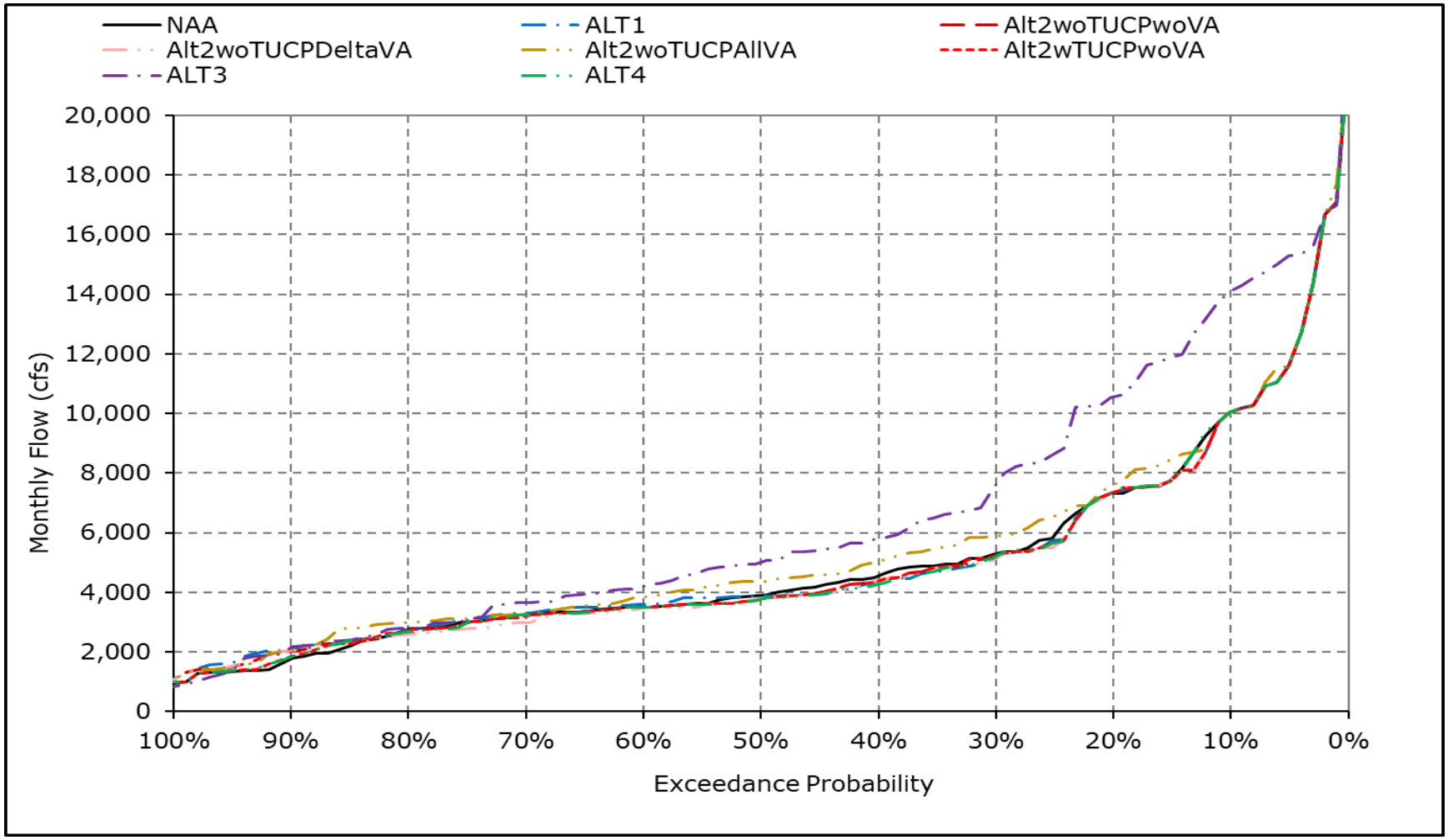
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-12. Feather River at Sacramento River Confluence Flow, March



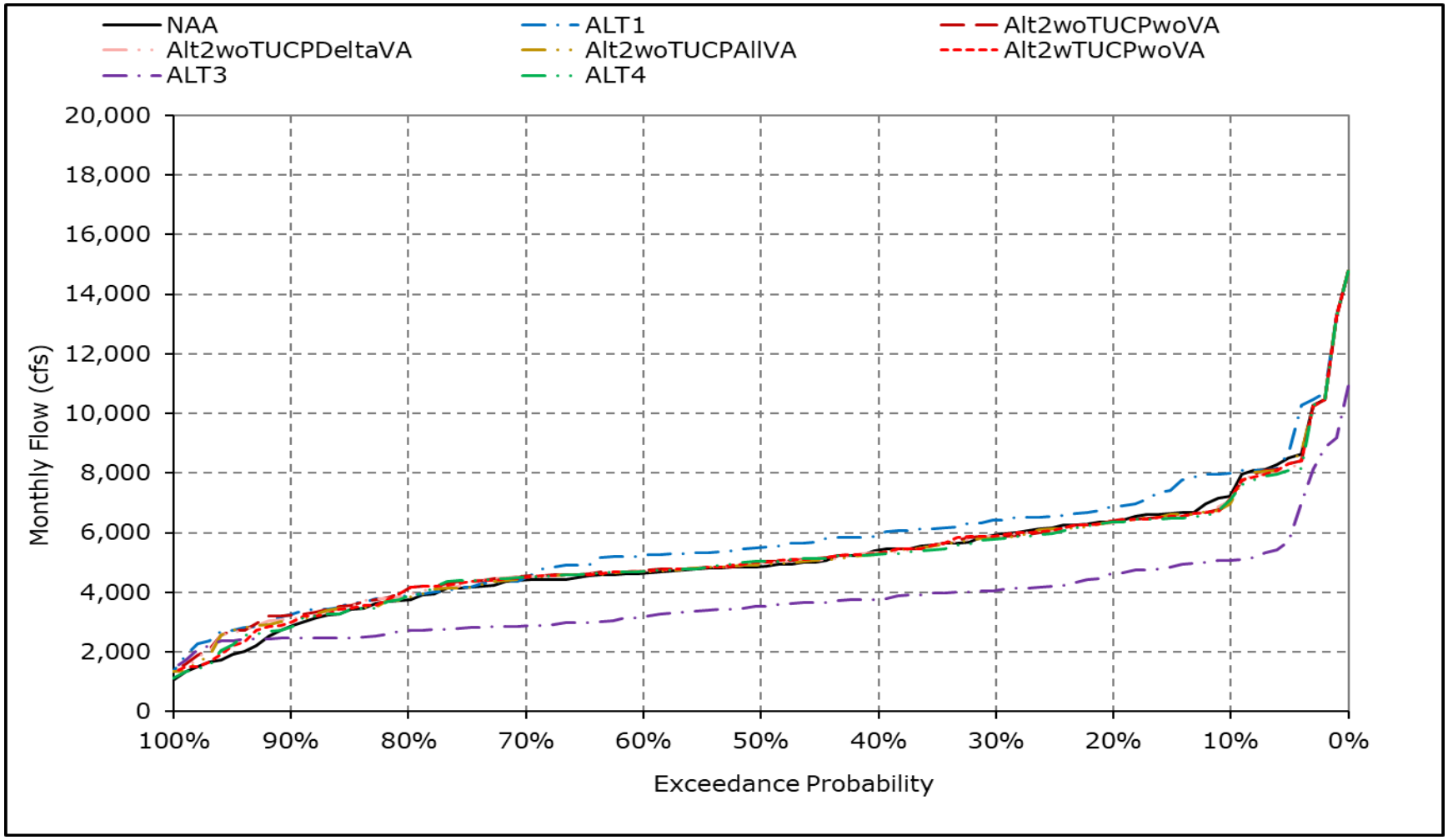
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-13. Feather River at Sacramento River Confluence Flow, April



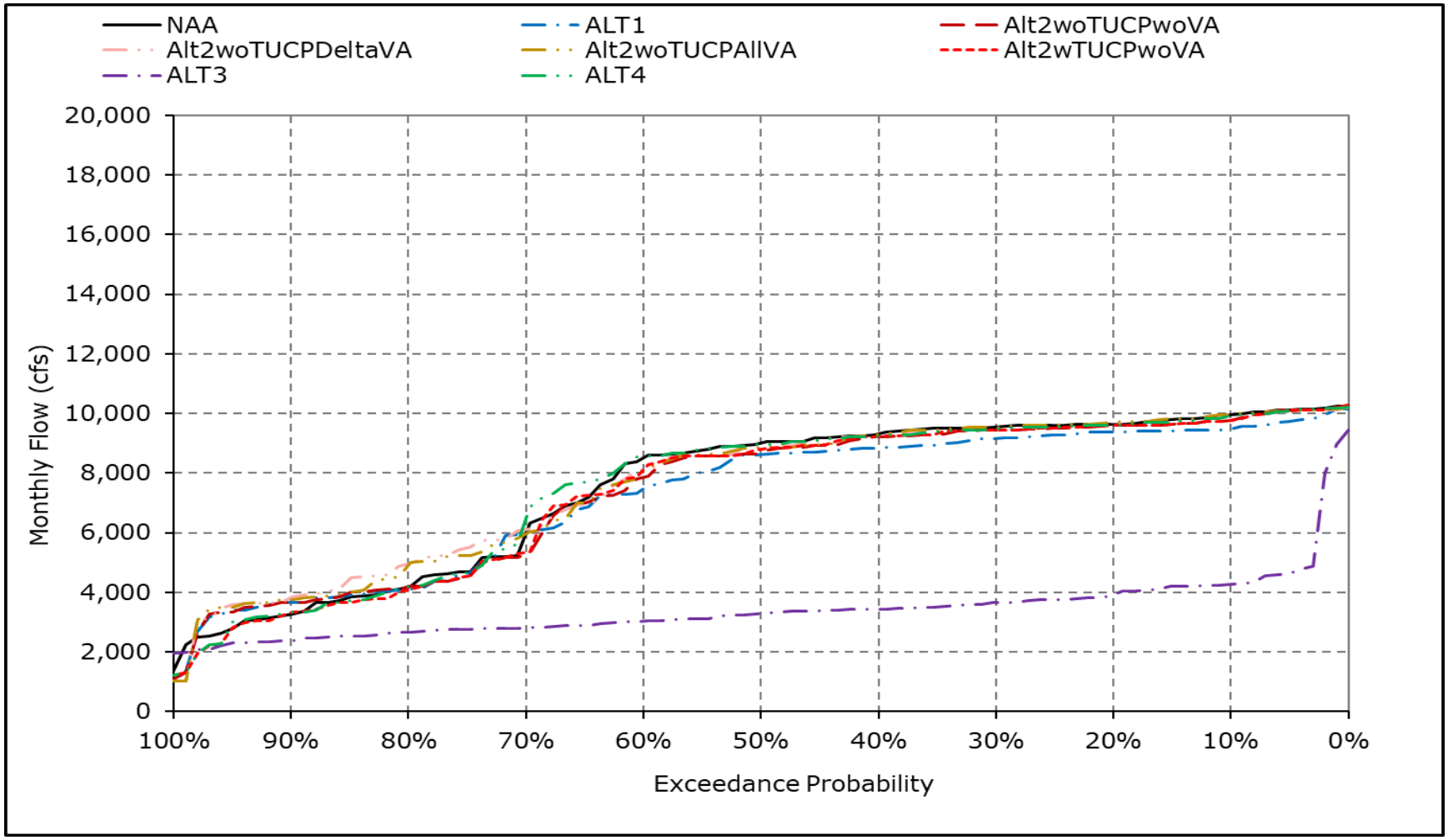
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-14. Feather River at Sacramento River Confluence Flow, May



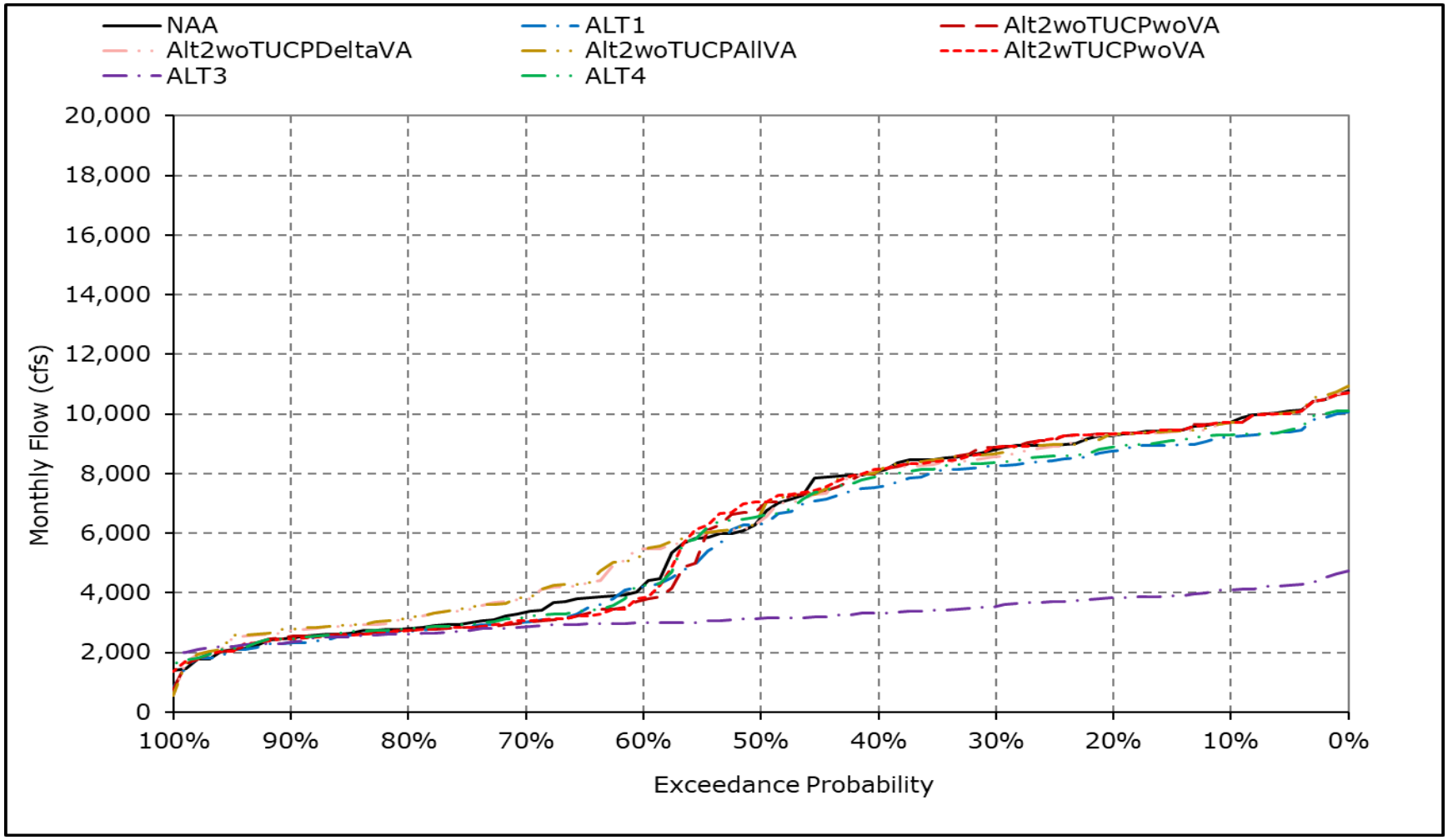
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-15. Feather River at Sacramento River Confluence Flow, June



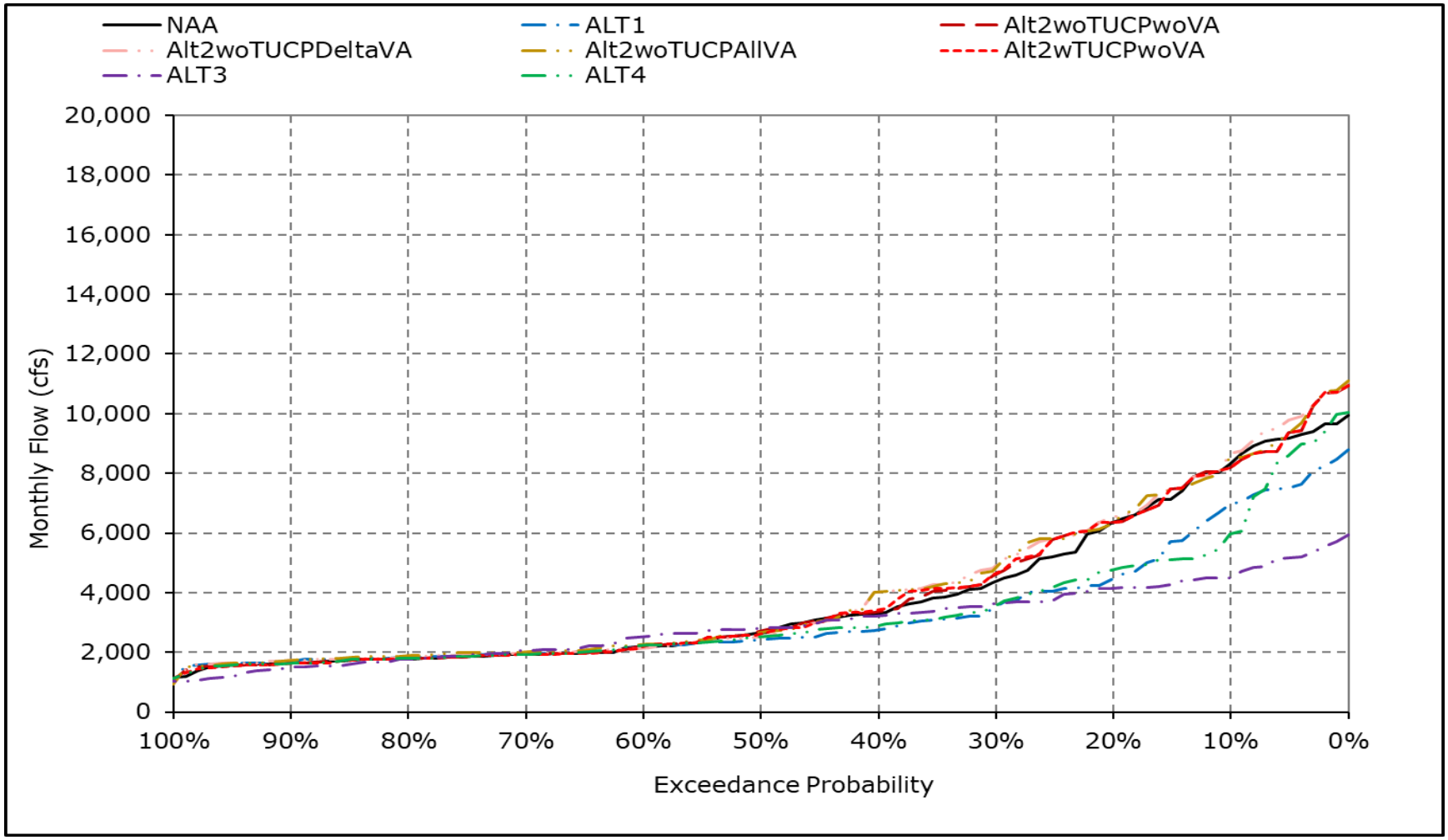
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-16. Feather River at Sacramento River Confluence Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-17. Feather River at Sacramento River Confluence Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-18. Feather River at Sacramento River Confluence Flow, September

Table F.2.2-10-1a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-1b. Fremont Weir Spills, Alternative 1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	197	11,919	31,705	51,683	21,382	29	0	0	0	0	0
20% Exceedance	0	18	3,167	9,954	16,283	5,904	0	0	0	0	0	0
30% Exceedance	0	7	1,021	2,567	6,565	2,809	0	0	0	0	0	0
40% Exceedance	0	0	185	1,632	3,693	1,013	0	0	0	0	0	0
50% Exceedance	0	0	101	813	1,672	500	0	0	0	0	0	0
60% Exceedance	0	0	28	195	600	215	0	0	0	0	0	0
70% Exceedance	0	0	7	56	214	72	0	0	0	0	0	0
80% Exceedance	0	0	0	14	54	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	15	0	0	0	0	0	0	0
Full Simulation Period Average[a]	48	273	3,774	9,203	13,769	7,320	965	12	0	0	0	0
Wet Water Years (28%)	0	490	5,288	27,465	39,562	21,555	3,439	12	0	0	0	0
Above Normal Water Years (14%)	0	414	1,610	8,437	12,671	7,479	2	0	0	0	0	0
Below Normal Water Years (18%)	0	49	3,648	1,418	2,021	750	11	45	0	0	0	0
Dry Water Years (24%)	199	268	5,643	222	2,155	387	0	0	0	0	0	0
Critical Water Years (16%)	0	2	272	142	230	58	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-1c. Fremont Weir Spills, Alternative 1 minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	55	636	4,574	606	341	3	0	0	0	0	0
20% Exceedance	0	0	345	94	-95	2	0	0	0	0	0	0
30% Exceedance	0	2	14	8	229	109	0	0	0	0	0	0
40% Exceedance	0	0	-15	-19	251	-87	0	0	0	0	0	0
50% Exceedance	0	0	-3	49	188	48	0	0	0	0	0	0
60% Exceedance	0	0	9	-7	-33	36	0	0	0	0	0	0
70% Exceedance	0	0	2	3	-45	9	0	0	0	0	0	0
80% Exceedance	0	0	0	-3	-13	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-1	22	176	206	88	-24	11	1	0	0	0	0
Wet Water Years (28%)	0	21	370	439	55	12	41	1	0	0	0	0
Above Normal Water Years (14%)	0	75	212	590	-104	-267	0	0	0	0	0	0
Below Normal Water Years (18%)	0	1	-83	11	466	76	-1	2	0	0	0	0
Dry Water Years (24%)	-4	18	234	-7	32	-12	0	0	0	0	0	0
Critical Water Years (16%)	0	0	-3	-2	-30	-2	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-2a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-2b. Fremont Weir Spills, Alt2woTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	199	11,168	27,272	50,967	21,135	20	0	0	0	0	0
20% Exceedance	0	17	2,844	9,954	16,326	5,650	0	0	0	0	0	0
30% Exceedance	0	6	1,009	2,592	6,458	2,778	0	0	0	0	0	0
40% Exceedance	0	0	217	1,635	3,444	1,090	0	0	0	0	0	0
50% Exceedance	0	0	101	805	1,600	447	0	0	0	0	0	0
60% Exceedance	0	0	16	229	635	228	0	0	0	0	0	0
70% Exceedance	0	0	5	72	261	69	0	0	0	0	0	0
80% Exceedance	0	0	0	18	67	20	0	0	0	0	0	0
90% Exceedance	0	0	0	7	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	256	3,697	9,108	13,753	7,290	953	11	0	0	0	0
Wet Water Years (28%)	0	475	4,943	27,322	39,688	21,539	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	342	1,386	8,023	12,778	7,355	1	0	0	0	0	0
Below Normal Water Years (18%)	0	57	3,814	1,404	1,580	682	12	43	0	0	0	0
Dry Water Years (24%)	188	255	5,737	243	2,186	404	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	146	263	60	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-2c. Fremont Weir Spills, Alt2woTUCPwoVA minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	57	-116	141	-110	94	-6	0	0	0	0	0
20% Exceedance	0	0	21	93	-52	-251	0	0	0	0	0	0
30% Exceedance	0	1	2	33	122	78	0	0	0	0	0	0
40% Exceedance	0	0	18	-15	2	-10	0	0	0	0	0	0
50% Exceedance	0	0	-3	40	116	-4	0	0	0	0	0	0
60% Exceedance	0	0	-4	27	2	50	0	0	0	0	0	0
70% Exceedance	0	0	0	19	2	6	0	0	0	0	0	0
80% Exceedance	0	0	0	1	0	7	0	0	0	0	0	0
90% Exceedance	0	0	0	2	-1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-4	5	99	111	71	-53	-1	0	0	0	0	0
Wet Water Years (28%)	0	5	25	297	181	-4	-2	0	0	0	0	0
Above Normal Water Years (14%)	0	4	-13	177	3	-391	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	9	83	-3	26	7	0	0	0	0	0	0
Dry Water Years (24%)	-15	5	328	14	64	4	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	1	3	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-3a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-3b. Fremont Weir Spills, Alt2woTUCPDeltaVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	168	10,611	27,143	50,976	20,961	20	0	0	0	0	0
20% Exceedance	0	17	2,936	9,982	16,386	5,659	0	0	0	0	0	0
30% Exceedance	0	5	1,010	2,450	6,407	2,778	0	0	0	0	0	0
40% Exceedance	0	0	217	1,636	3,443	1,092	0	0	0	0	0	0
50% Exceedance	0	0	100	800	1,701	450	0	0	0	0	0	0
60% Exceedance	0	0	13	207	634	193	0	0	0	0	0	0
70% Exceedance	0	0	5	57	232	59	0	0	0	0	0	0
80% Exceedance	0	0	0	18	56	17	0	0	0	0	0	0
90% Exceedance	0	0	0	7	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	44	245	3,655	9,032	13,722	7,268	953	11	0	0	0	0
Wet Water Years (28%)	0	472	4,931	27,029	39,598	21,537	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	316	1,376	8,089	12,794	7,215	0	0	0	0	0	0
Below Normal Water Years (18%)	0	56	3,739	1,402	1,540	676	12	41	0	0	0	0
Dry Water Years (24%)	182	229	5,641	232	2,208	401	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	146	226	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-3c. Fremont Weir Spills, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	26	-672	11	-101	-80	-6	0	0	0	0	0
20% Exceedance	0	0	113	121	8	-242	0	0	0	0	0	0
30% Exceedance	0	0	3	-109	71	79	0	0	0	0	0	0
40% Exceedance	0	0	17	-15	1	-8	0	0	0	0	0	0
50% Exceedance	0	0	-3	35	217	-2	0	0	0	0	0	0
60% Exceedance	0	0	-6	5	0	14	0	0	0	0	0	0
70% Exceedance	0	0	0	4	-28	-5	0	0	0	0	0	0
80% Exceedance	0	0	0	2	-11	4	0	0	0	0	0	0
90% Exceedance	0	0	0	2	-1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-5	-6	57	35	40	-75	-1	0	0	0	0	0
Wet Water Years (28%)	0	2	13	4	90	-6	-2	0	0	0	0	0
Above Normal Water Years (14%)	0	-23	-23	242	18	-531	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	8	7	-5	-14	2	0	-1	0	0	0	0
Dry Water Years (24%)	-21	-21	232	3	85	1	0	0	0	0	0	0
Critical Water Years (16%)	0	0	1	2	-35	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-4a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-4b. Fremont Weir Spills, Alt2woTUCPAllVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	182	10,695	27,181	50,937	20,605	19	0	0	0	0	0
20% Exceedance	0	18	3,080	9,874	16,285	5,538	0	0	0	0	0	0
30% Exceedance	0	5	1,010	2,580	6,409	2,289	0	0	0	0	0	0
40% Exceedance	0	0	221	1,614	3,390	1,083	0	0	0	0	0	0
50% Exceedance	0	0	100	799	1,695	449	0	0	0	0	0	0
60% Exceedance	0	0	17	203	634	199	0	0	0	0	0	0
70% Exceedance	0	0	4	68	251	56	0	0	0	0	0	0
80% Exceedance	0	0	0	18	62	18	0	0	0	0	0	0
90% Exceedance	0	0	0	7	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	46	259	3,669	9,051	13,714	7,196	951	9	0	0	0	0
Wet Water Years (28%)	0	470	4,931	27,077	39,507	21,388	3,390	11	0	0	0	0
Above Normal Water Years (14%)	0	334	1,365	8,130	12,781	6,997	0	0	0	0	0	0
Below Normal Water Years (18%)	0	64	3,671	1,398	1,551	675	12	34	0	0	0	0
Dry Water Years (24%)	190	273	5,754	232	2,256	403	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	150	258	60	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-4c. Fremont Weir Spills, Alt2woTUCPAllVA minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	40	-588	49	-140	-437	-7	0	0	0	0	0
20% Exceedance	0	1	258	14	-93	-363	0	0	0	0	0	0
30% Exceedance	0	0	3	21	73	-410	0	0	0	0	0	0
40% Exceedance	0	0	22	-37	-51	-18	0	0	0	0	0	0
50% Exceedance	0	0	-3	35	211	-2	0	0	0	0	0	0
60% Exceedance	0	0	-2	1	1	21	0	0	0	0	0	0
70% Exceedance	0	0	-1	15	-8	-7	0	0	0	0	0	0
80% Exceedance	0	0	0	2	-5	5	0	0	0	0	0	0
90% Exceedance	0	0	0	2	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-3	8	71	54	32	-147	-2	-2	0	0	0	0
Wet Water Years (28%)	0	1	13	51	0	-155	-8	0	0	0	0	0
Above Normal Water Years (14%)	0	-5	-33	284	5	-748	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	16	-60	-9	-3	1	0	-9	0	0	0	0
Dry Water Years (24%)	-13	23	346	3	134	3	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	5	-2	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-5a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-5b. Fremont Weir Spills, Alt2wTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	199	11,113	27,238	50,968	21,158	21	0	0	0	0	0
20% Exceedance	0	17	2,843	9,956	18,098	5,909	0	0	0	0	0	0
30% Exceedance	0	7	1,010	2,597	6,749	2,778	0	0	0	0	0	0
40% Exceedance	0	0	218	1,637	3,447	1,091	0	0	0	0	0	0
50% Exceedance	0	0	101	803	1,601	447	0	0	0	0	0	0
60% Exceedance	0	0	18	229	636	232	0	0	0	0	0	0
70% Exceedance	0	0	5	72	261	69	0	0	0	0	0	0
80% Exceedance	0	0	0	18	68	19	0	0	0	0	0	0
90% Exceedance	0	0	0	6	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	257	3,697	9,142	13,794	7,351	955	11	0	0	0	0
Wet Water Years (28%)	0	475	4,945	27,335	39,717	21,543	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	343	1,388	8,237	12,809	7,781	1	0	0	0	0	0
Below Normal Water Years (18%)	0	65	3,812	1,411	1,614	684	20	42	0	0	0	0
Dry Water Years (24%)	188	255	5,738	243	2,281	403	0	0	0	0	0	0
Critical Water Years (16%)	0	2	275	146	264	58	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-5c. Fremont Weir Spills, Alt2wTUCPwoVA minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	57	-170	106	-109	117	-5	0	0	0	0	0
20% Exceedance	0	0	21	95	1,720	7	0	0	0	0	0	0
30% Exceedance	0	1	3	39	413	79	0	0	0	0	0	0
40% Exceedance	0	0	18	-14	5	-9	0	0	0	0	0	0
50% Exceedance	0	0	-3	38	117	-4	0	0	0	0	0	0
60% Exceedance	0	0	-2	27	2	54	0	0	0	0	0	0
70% Exceedance	0	0	0	19	2	6	0	0	0	0	0	0
80% Exceedance	0	0	0	1	0	6	0	0	0	0	0	0
90% Exceedance	0	0	0	1	-1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-4	6	99	145	112	7	1	0	0	0	0	0
Wet Water Years (28%)	0	6	27	309	209	0	-2	0	0	0	0	0
Above Normal Water Years (14%)	0	4	-11	391	33	35	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	17	81	4	59	10	8	-1	0	0	0	0
Dry Water Years (24%)	-15	5	329	14	158	4	0	0	0	0	0	0
Critical Water Years (16%)	0	0	-1	1	4	-1	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-6a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-6b. Fremont Weir Spills, Alternative 3, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	274	14,454	34,711	51,610	21,372	20	0	0	0	0	0
20% Exceedance	0	21	4,111	12,520	17,070	5,844	0	0	0	0	0	0
30% Exceedance	0	8	1,287	3,265	7,111	2,930	0	0	0	0	0	0
40% Exceedance	0	0	227	2,012	3,800	1,332	0	0	0	0	0	0
50% Exceedance	0	0	112	928	1,766	521	0	0	0	0	0	0
60% Exceedance	0	0	14	205	760	228	0	0	0	0	0	0
70% Exceedance	0	0	3	76	242	79	0	0	0	0	0	0
80% Exceedance	0	0	0	16	62	14	0	0	0	0	0	0
90% Exceedance	0	0	0	5	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	365	4,511	9,803	14,370	7,498	972	28	0	0	0	0
Wet Water Years (28%)	0	515	5,970	29,017	40,691	21,529	3,410	4	0	0	0	0
Above Normal Water Years (14%)	0	768	1,927	9,419	14,018	8,388	1	0	0	0	0	0
Below Normal Water Years (18%)	0	105	5,203	1,542	2,312	909	95	147	0	0	0	0
Dry Water Years (24%)	204	360	6,555	249	2,328	512	0	0	0	0	0	0
Critical Water Years (16%)	0	2	272	141	243	55	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-6c. Fremont Weir Spills, Alternative 3 minus No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	132	3,170	7,580	533	331	-6	0	0	0	0	0
20% Exceedance	0	4	1,288	2,659	692	-57	0	0	0	0	0	0
30% Exceedance	0	3	279	706	775	231	0	0	0	0	0	0
40% Exceedance	0	0	28	361	358	232	0	0	0	0	0	0
50% Exceedance	0	0	8	164	282	69	0	0	0	0	0	0
60% Exceedance	0	0	-5	3	126	49	0	0	0	0	0	0
70% Exceedance	0	0	-1	23	-17	16	0	0	0	0	0	0
80% Exceedance	0	0	0	-1	-5	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	114	913	806	688	155	18	17	0	0	0	0
Wet Water Years (28%)	0	45	1,052	1,991	1,184	-14	11	-8	0	0	0	0
Above Normal Water Years (14%)	0	429	528	1,573	1,242	642	0	0	0	0	0	0
Below Normal Water Years (18%)	0	57	1,472	135	758	235	83	105	0	0	0	0
Dry Water Years (24%)	1	110	1,146	19	205	113	0	0	0	0	0	0
Critical Water Years (16%)	0	0	-4	-3	-18	-5	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-7a. Fremont Weir Spills, No Action Alternative, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	142	11,284	27,132	51,077	21,041	26	0	0	0	0	0
20% Exceedance	0	17	2,822	9,861	16,378	5,901	0	0	0	0	0	0
30% Exceedance	0	5	1,007	2,559	6,336	2,700	0	0	0	0	0	0
40% Exceedance	0	0	199	1,651	3,442	1,100	0	0	0	0	0	0
50% Exceedance	0	0	104	765	1,484	452	0	0	0	0	0	0
60% Exceedance	0	0	19	202	633	178	0	0	0	0	0	0
70% Exceedance	0	0	5	53	259	63	0	0	0	0	0	0
80% Exceedance	0	0	0	17	67	13	0	0	0	0	0	0
90% Exceedance	0	0	0	5	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	251	3,598	8,997	13,682	7,343	954	11	0	0	0	0
Wet Water Years (28%)	0	469	4,918	27,025	39,507	21,543	3,398	12	0	0	0	0
Above Normal Water Years (14%)	0	339	1,398	7,847	12,776	7,746	2	0	0	0	0	0
Below Normal Water Years (18%)	0	48	3,731	1,407	1,554	675	12	43	0	0	0	0
Dry Water Years (24%)	203	250	5,409	229	2,123	400	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	145	260	59	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-7b. Fremont Weir Spills, Alternative 4, Monthly Spills (cfs)

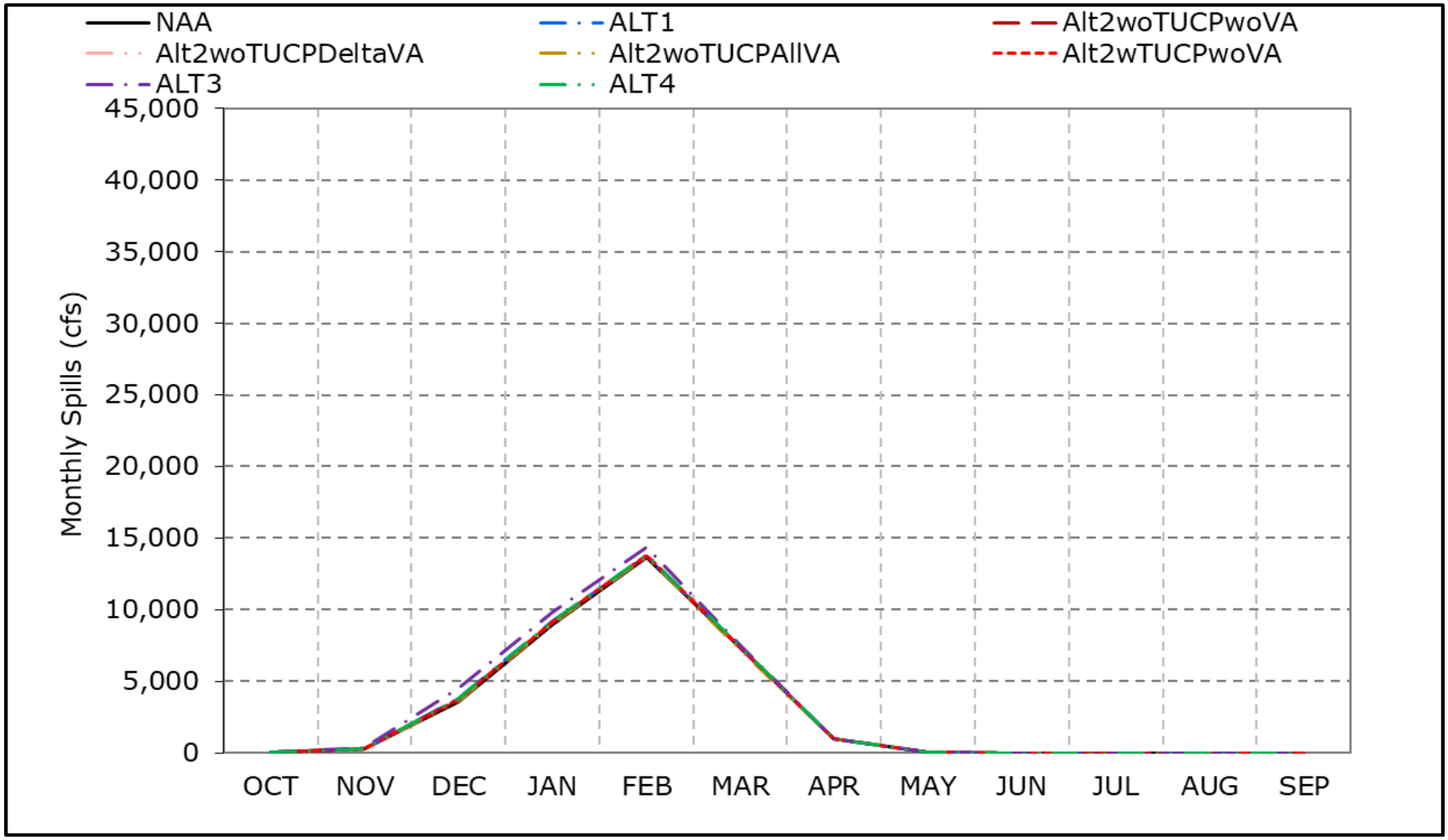
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	215	11,815	29,829	51,406	21,860	23	0	0	0	0	0
20% Exceedance	0	19	3,021	10,186	16,476	5,909	0	0	0	0	0	0
30% Exceedance	0	6	1,032	2,651	6,788	2,740	0	0	0	0	0	0
40% Exceedance	0	0	223	1,673	3,450	1,109	0	0	0	0	0	0
50% Exceedance	0	0	107	765	1,718	502	0	0	0	0	0	0
60% Exceedance	0	0	23	208	638	283	0	0	0	0	0	0
70% Exceedance	0	0	5	49	264	85	0	0	0	0	0	0
80% Exceedance	0	0	0	17	70	14	0	0	0	0	0	0
90% Exceedance	0	0	0	7	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	49	277	3,815	9,215	13,805	7,400	956	15	0	0	0	0
Wet Water Years (28%)	0	493	5,277	27,587	39,621	21,558	3,399	12	0	0	0	0
Above Normal Water Years (14%)	0	434	1,519	8,266	12,879	8,028	1	0	0	0	0	0
Below Normal Water Years (18%)	0	51	3,748	1,413	1,840	739	25	64	0	0	0	0
Dry Water Years (24%)	203	267	5,806	232	2,227	408	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	147	265	58	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-10-7c. Fremont Weir Spills, Alternative 4 minus No Action Alternative, Monthly Spills (cfs)

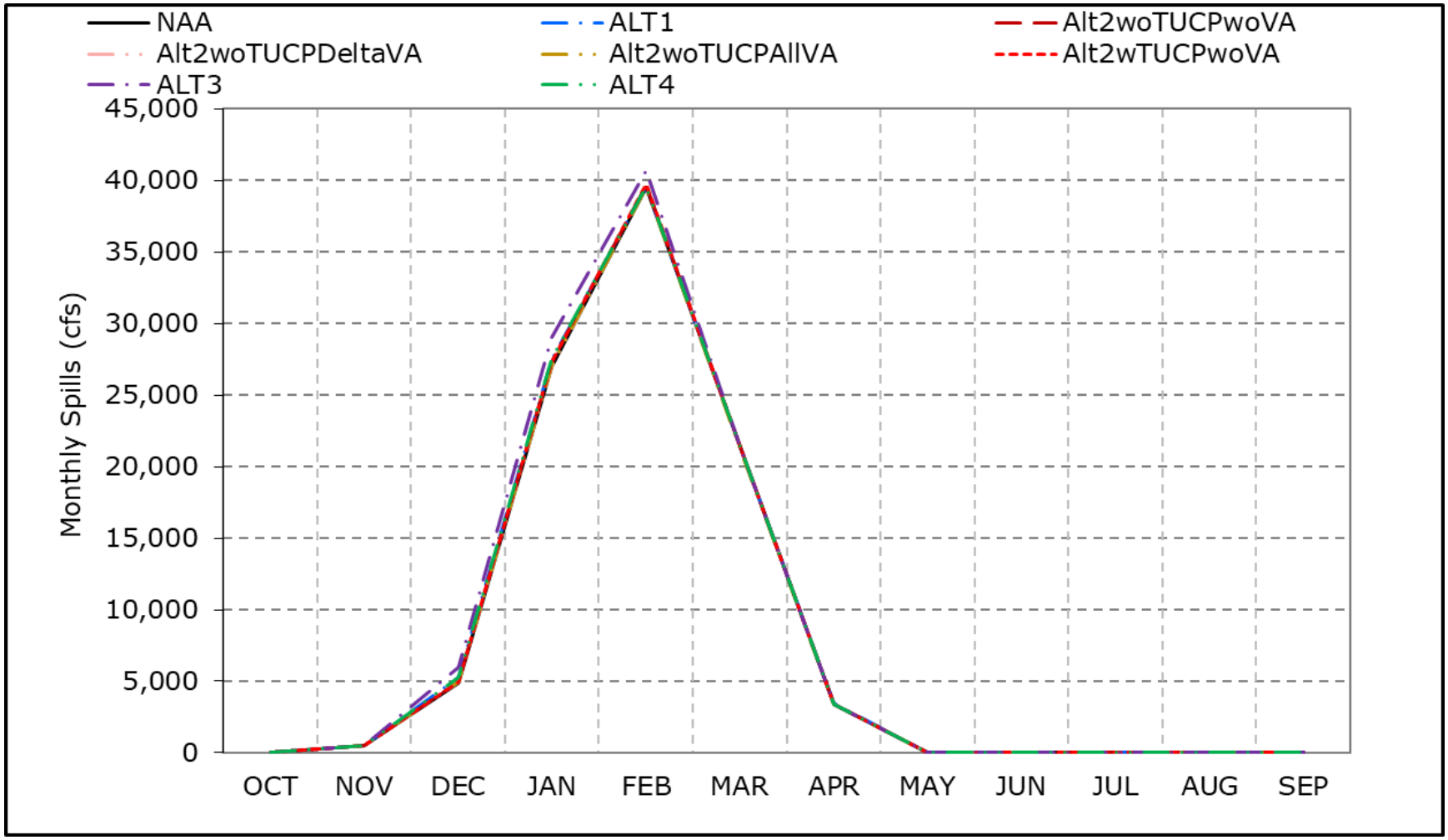
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	72	531	2,697	329	819	-3	0	0	0	0	0
20% Exceedance	0	1	198	325	98	8	0	0	0	0	0	0
30% Exceedance	0	0	25	92	452	40	0	0	0	0	0	0
40% Exceedance	0	0	24	22	8	9	0	0	0	0	0	0
50% Exceedance	0	0	3	0	234	51	0	0	0	0	0	0
60% Exceedance	0	0	4	6	5	105	0	0	0	0	0	0
70% Exceedance	0	0	0	-3	5	22	0	0	0	0	0	0
80% Exceedance	0	0	0	0	3	1	0	0	0	0	0	0
90% Exceedance	0	0	0	2	-1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	26	217	218	124	57	3	4	0	0	0	0
Wet Water Years (28%)	0	23	359	562	114	15	1	0	0	0	0	0
Above Normal Water Years (14%)	0	95	121	419	103	282	0	0	0	0	0	0
Below Normal Water Years (18%)	0	3	17	6	285	64	13	21	0	0	0	0
Dry Water Years (24%)	0	17	397	3	105	8	0	0	0	0	0	0
Critical Water Years (16%)	0	0	1	2	5	-2	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



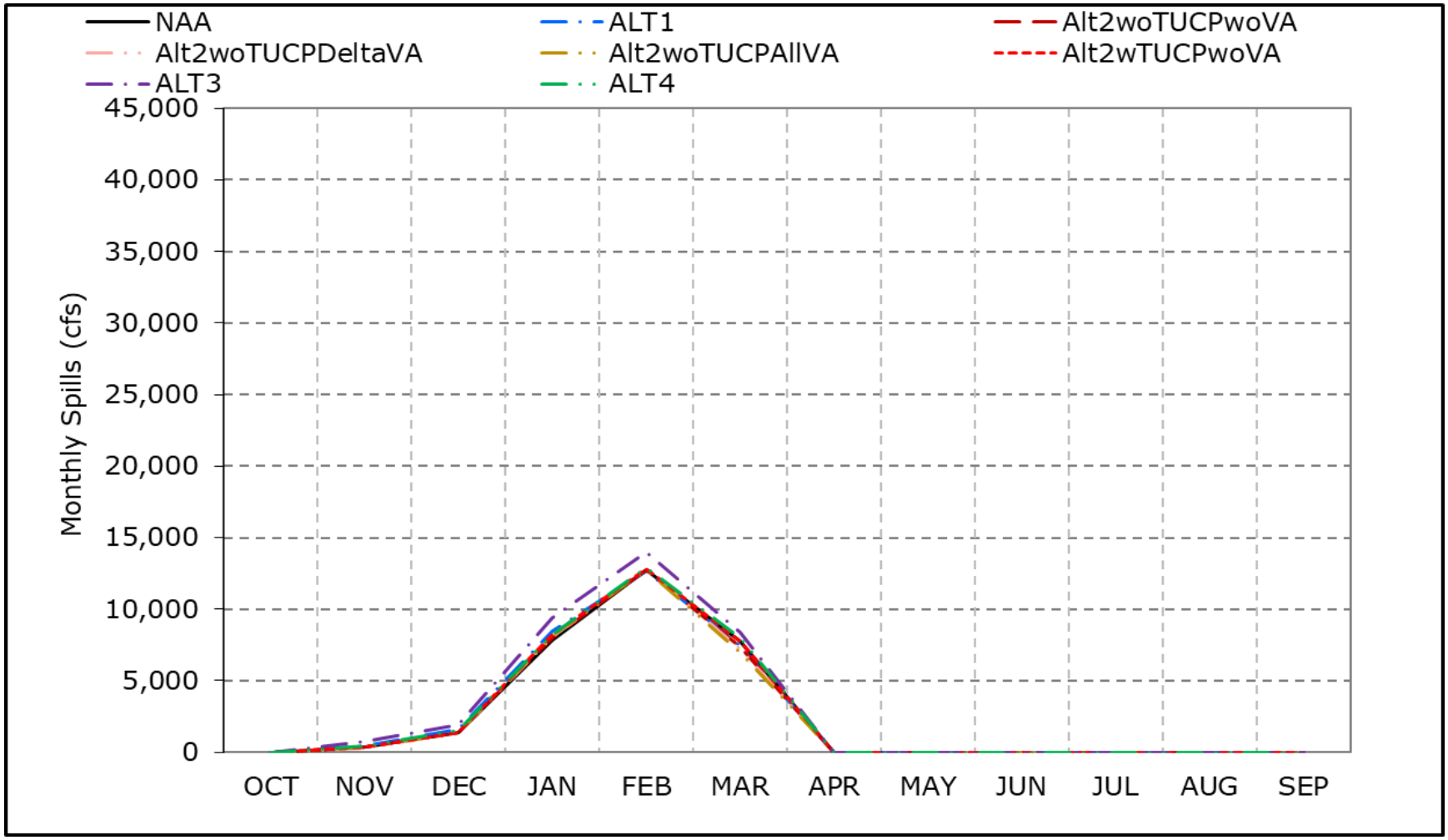
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-1. Fremont Weir Spills, Long-Term Average Spills



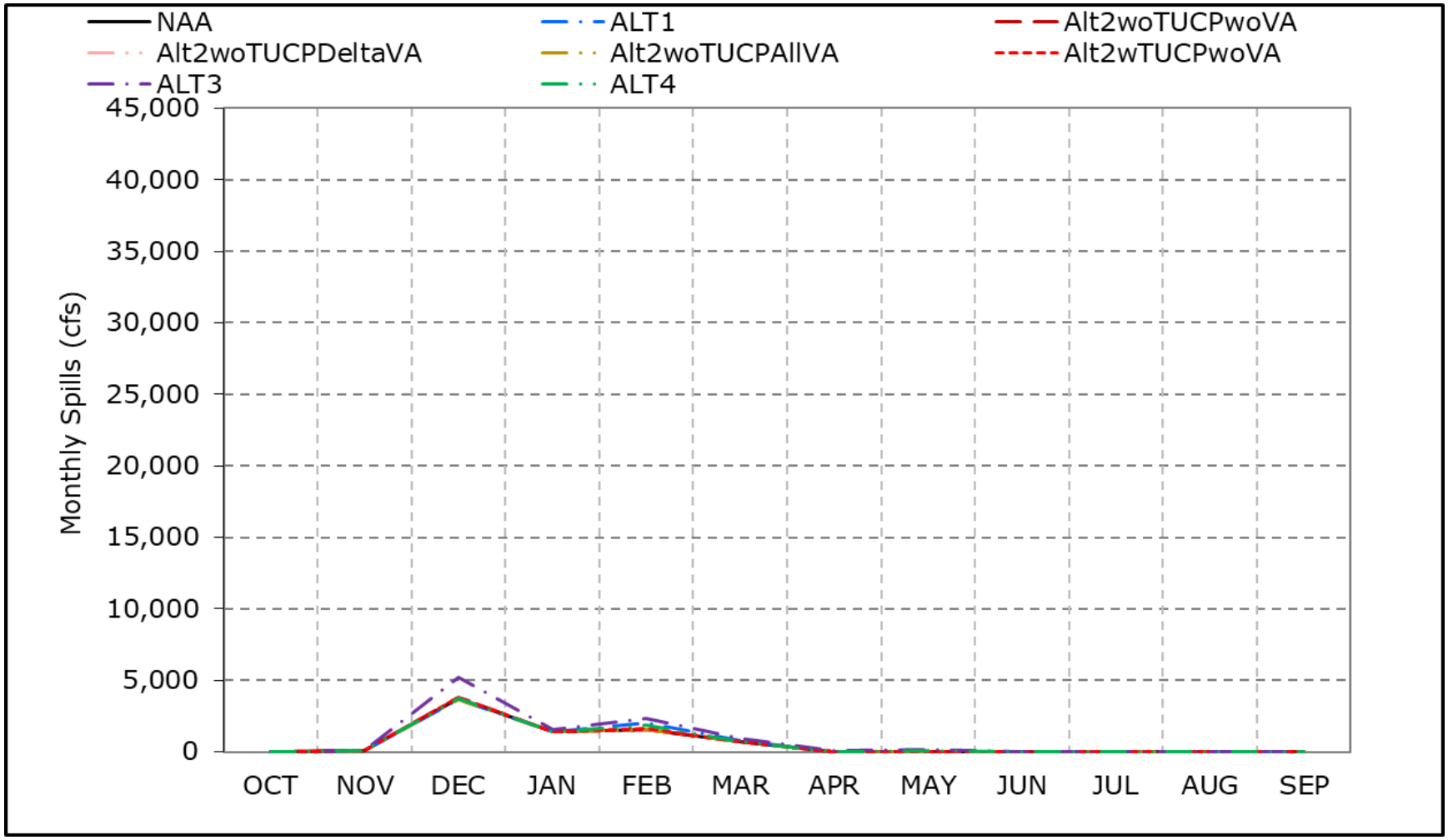
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-2. Fremont Weir Spills, Wet Year Average Spills



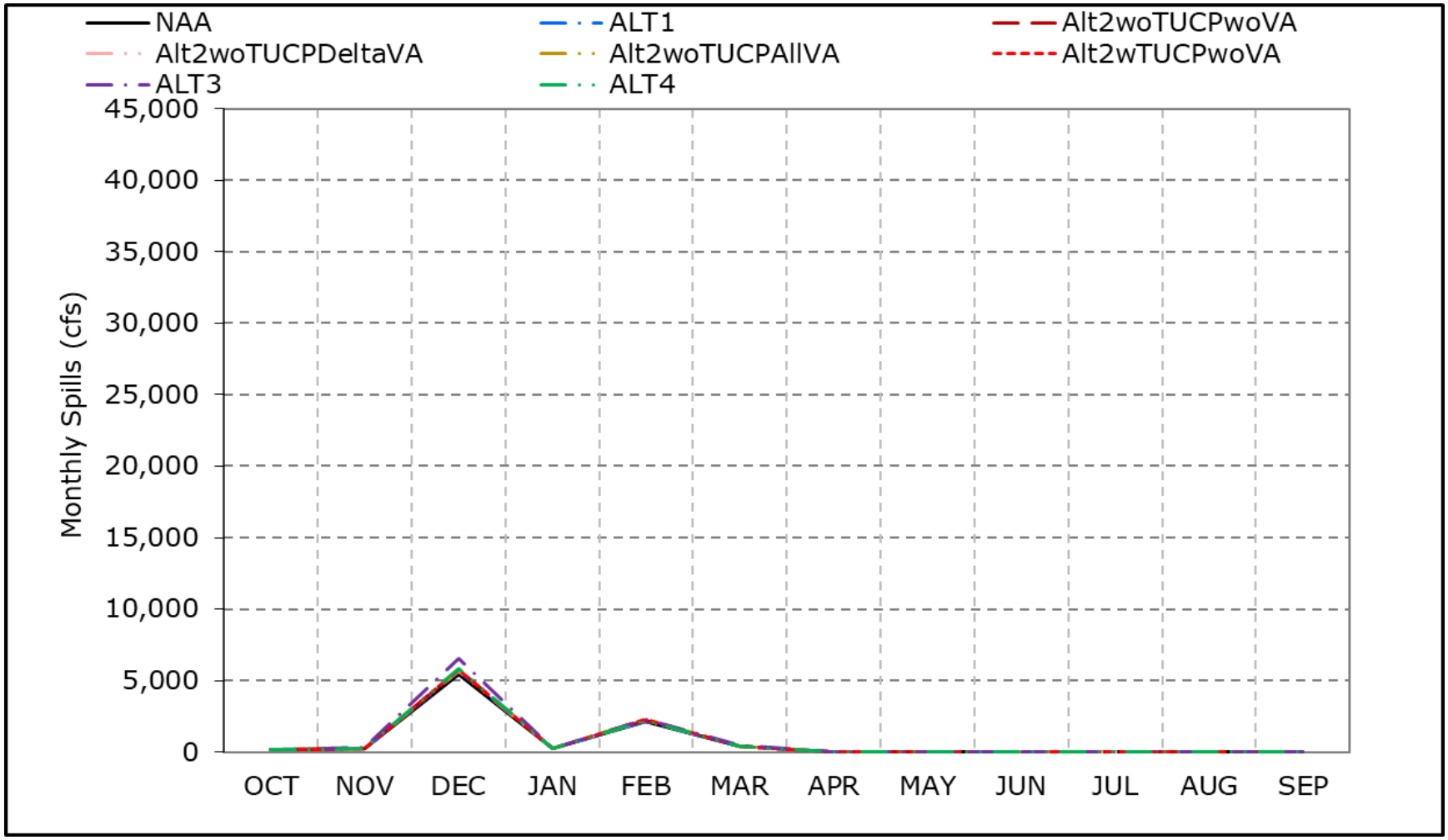
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-3. Fremont Weir Spills, Above Normal Year Average Spills



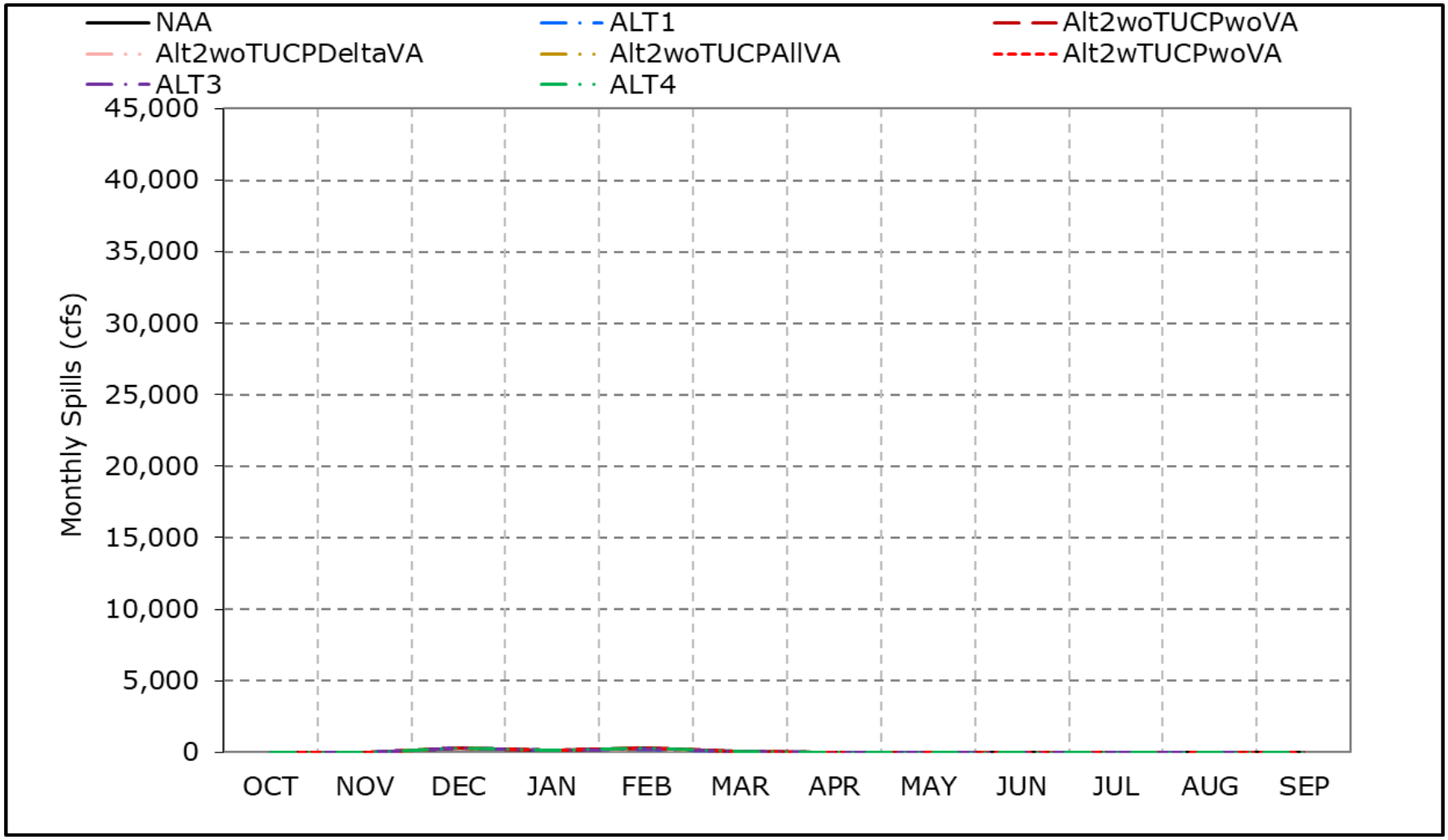
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-4. Fremont Weir Spills, Below Normal Year Average Spills



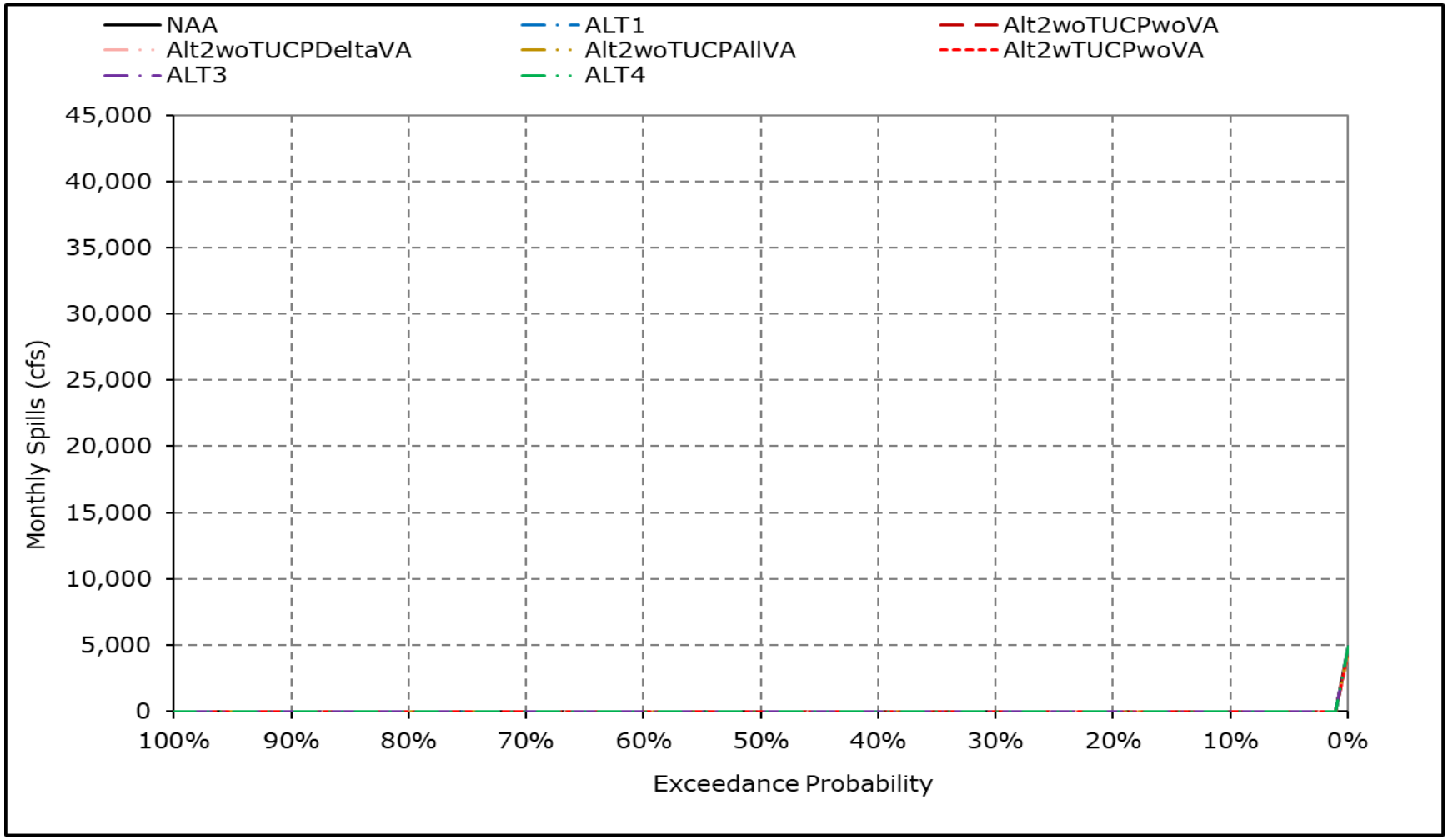
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-5. Fremont Weir Spills, Dry Year Average Spills



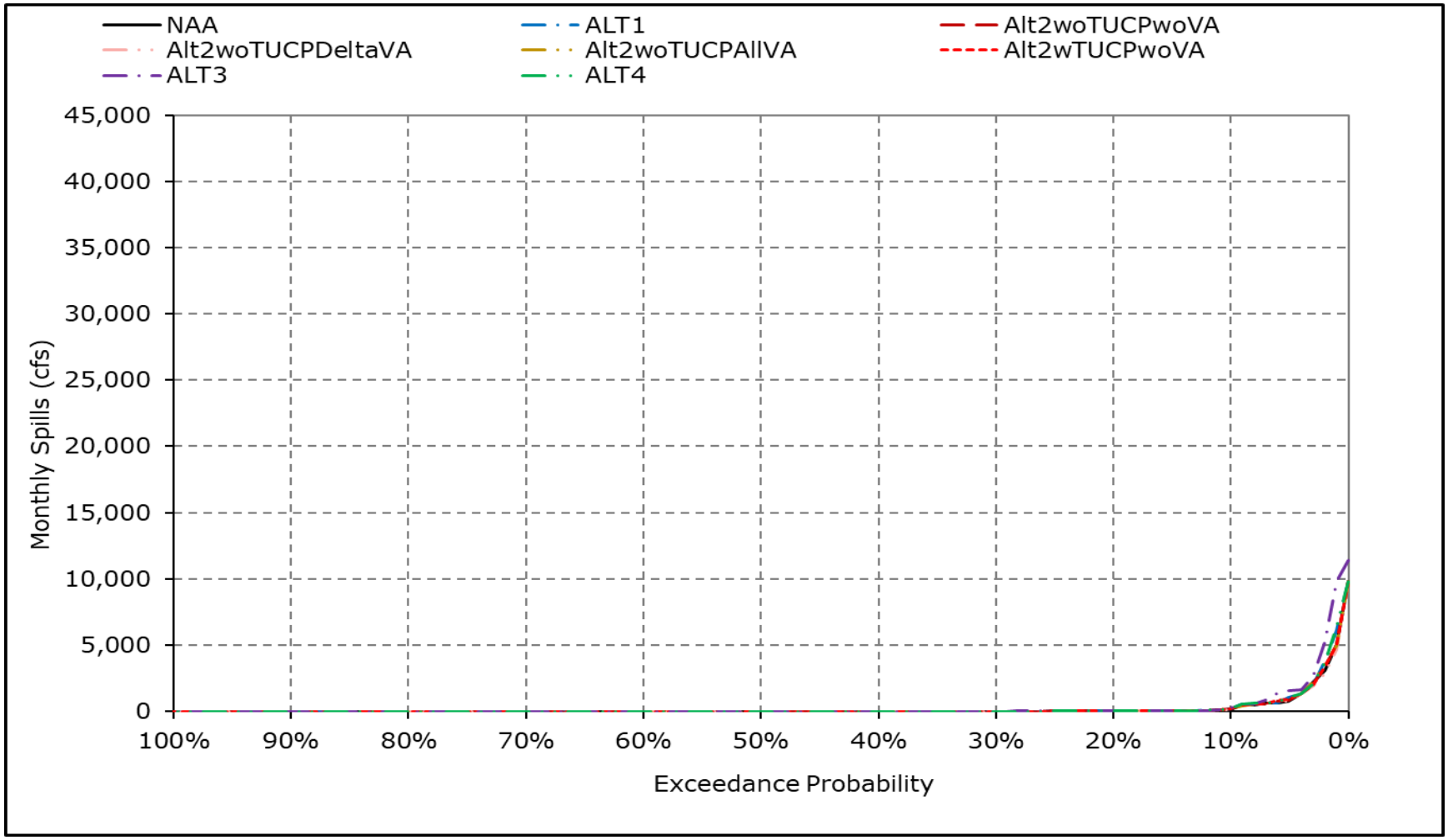
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-6. Fremont Weir Spills, Critical Year Average Spills



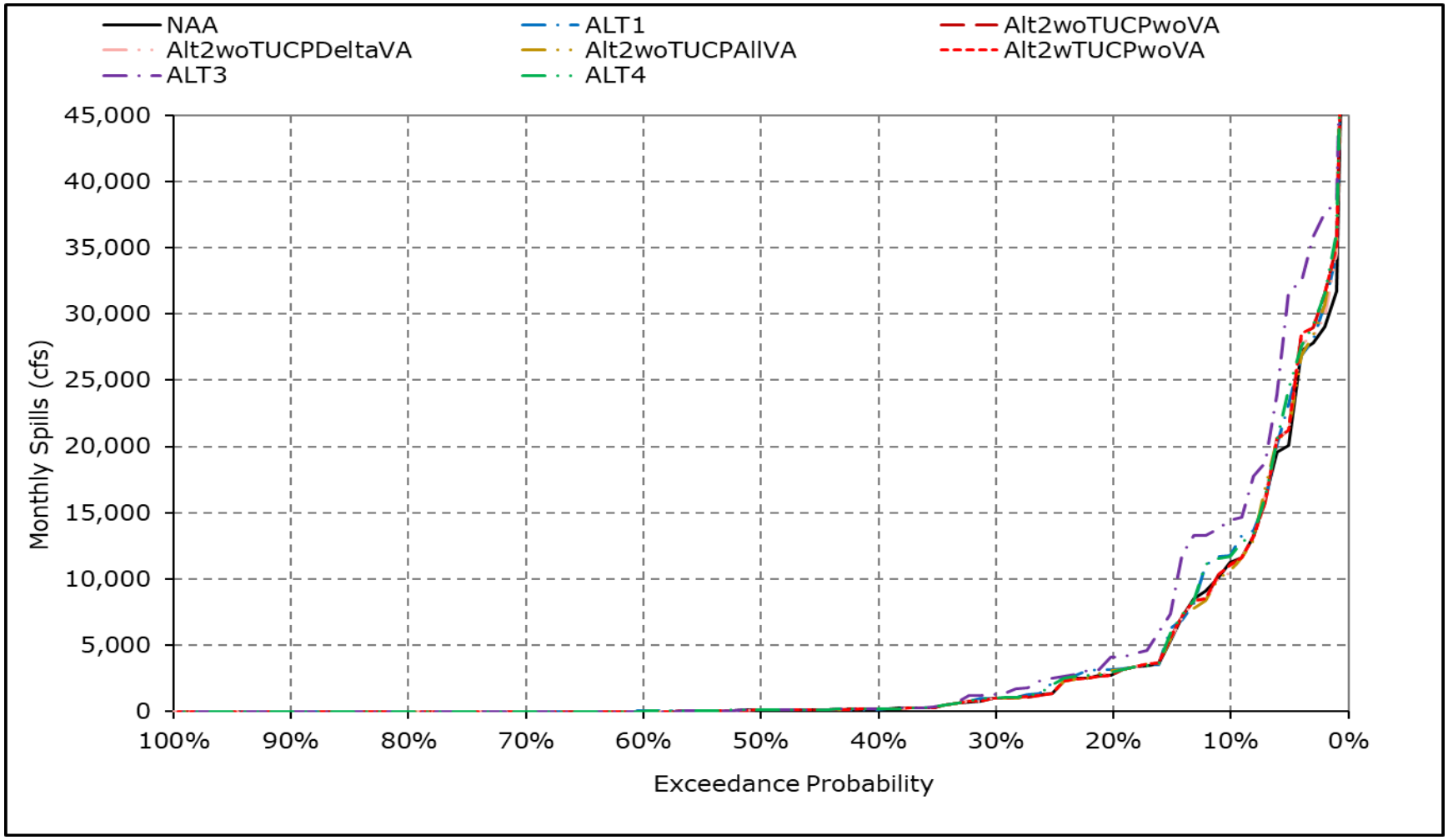
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-7. Fremont Weir Spills, October



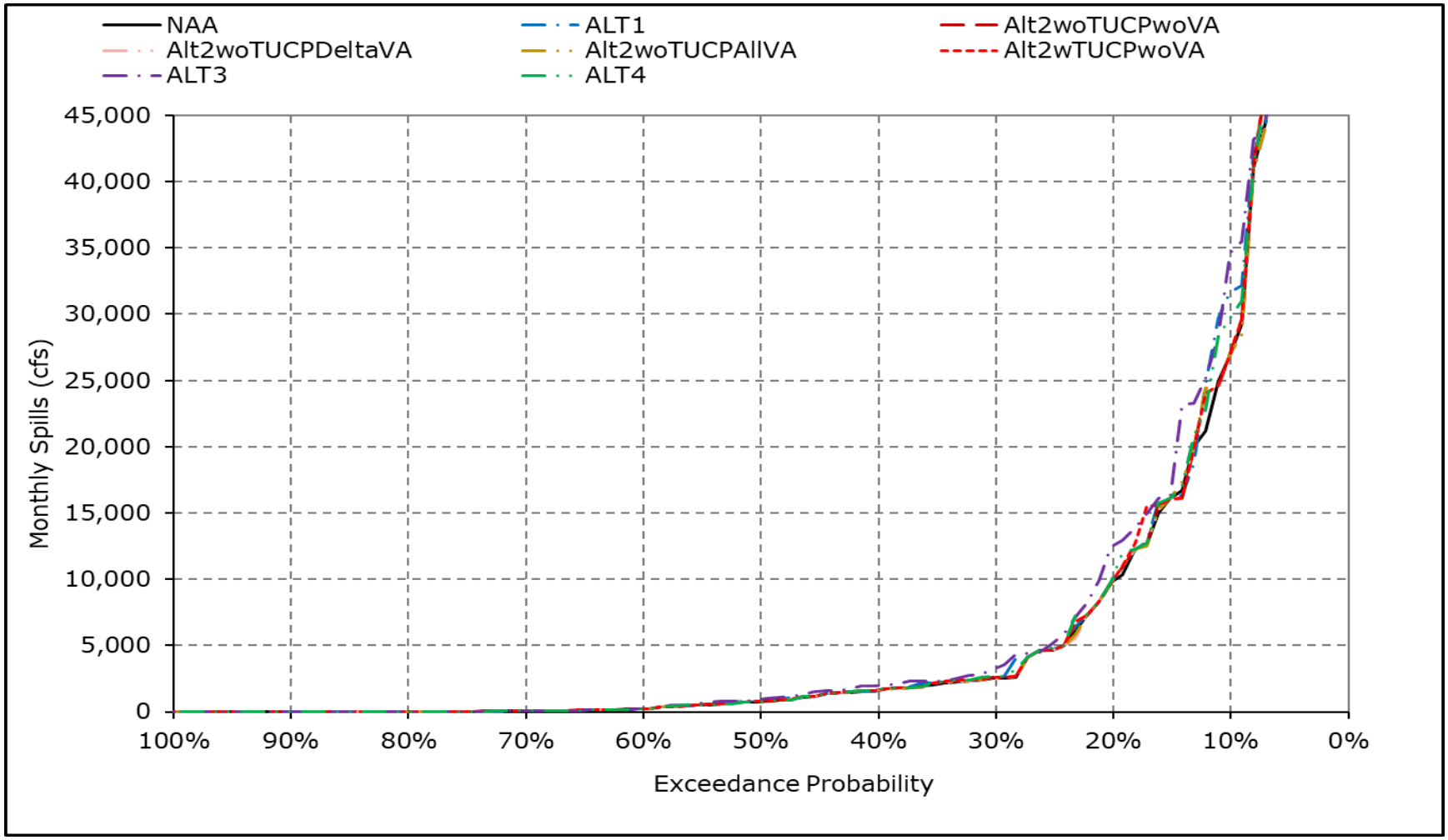
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-8. Fremont Weir Spills, November



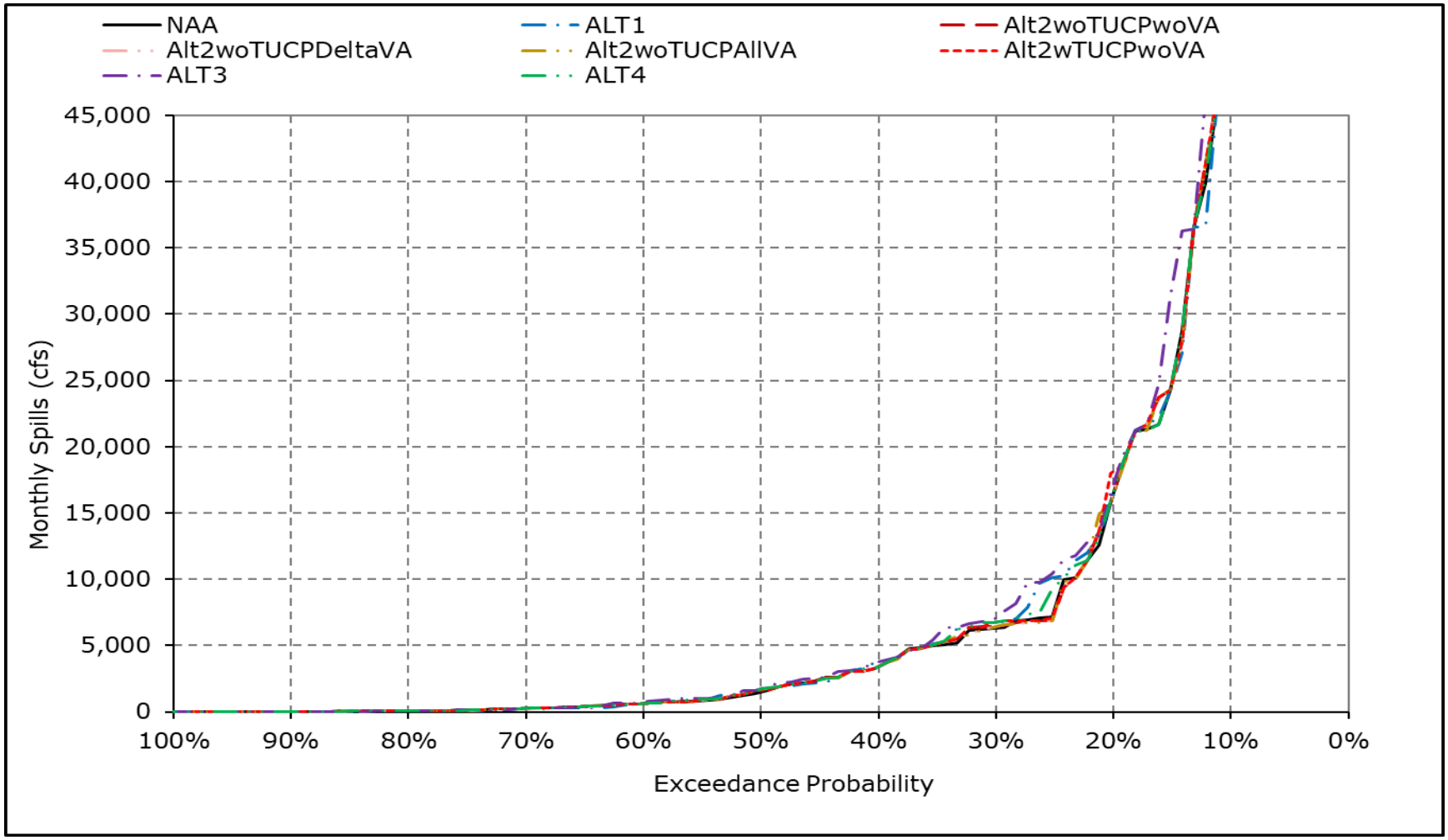
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-9. Fremont Weir Spills, December



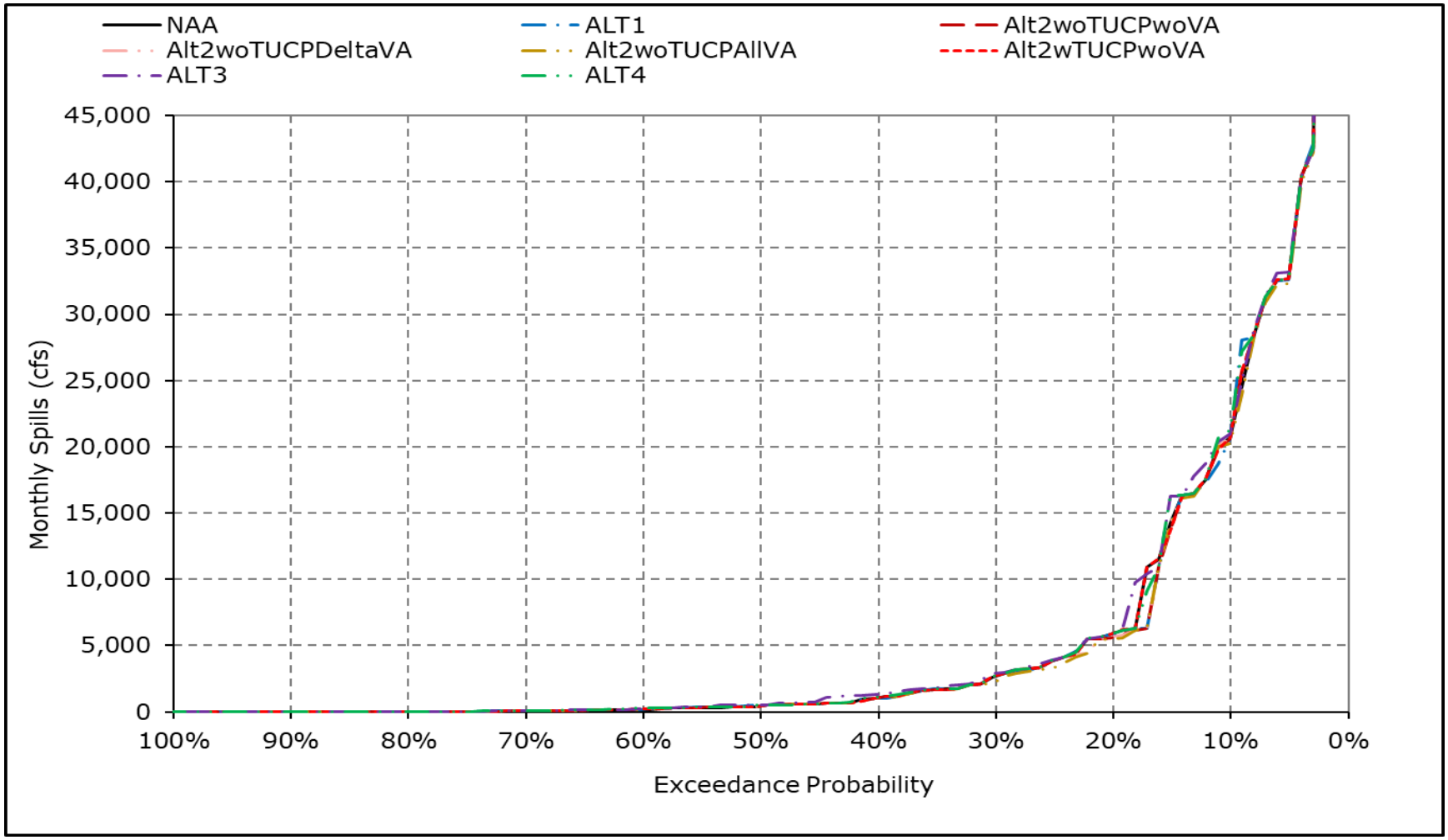
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-10. Fremont Weir Spills, January



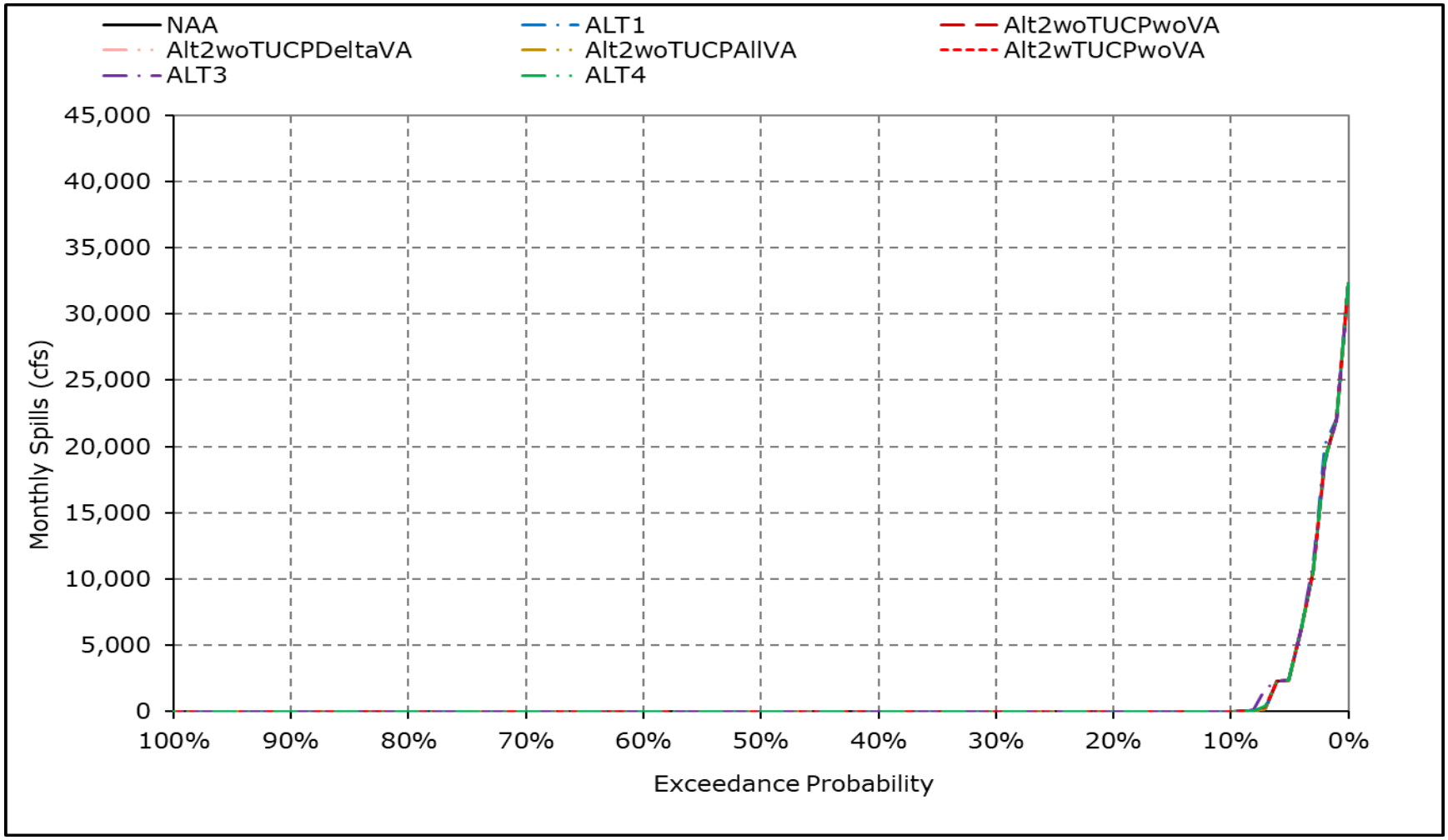
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-11. Fremont Weir Spills, February



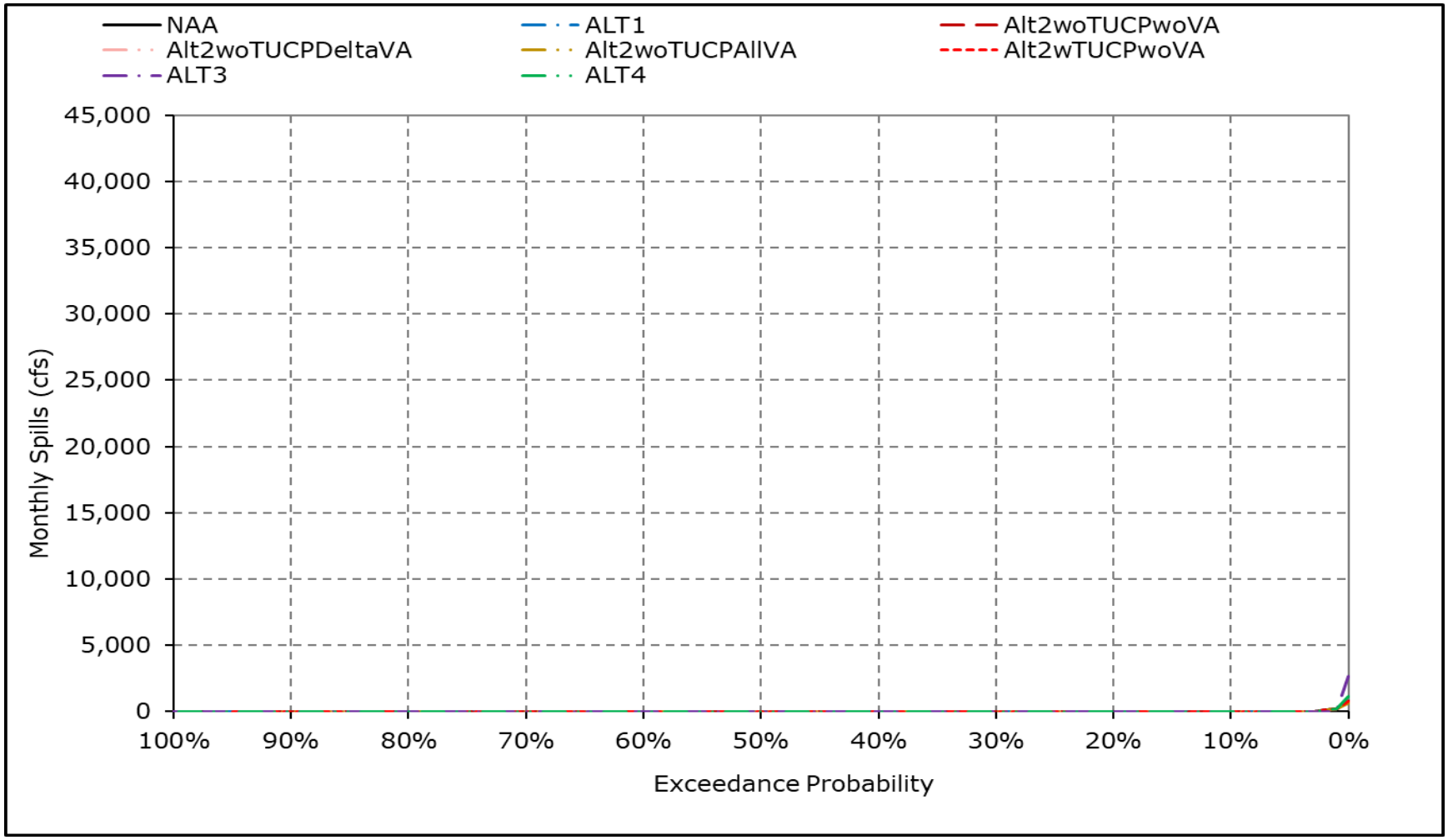
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-12. Fremont Weir Spills, March



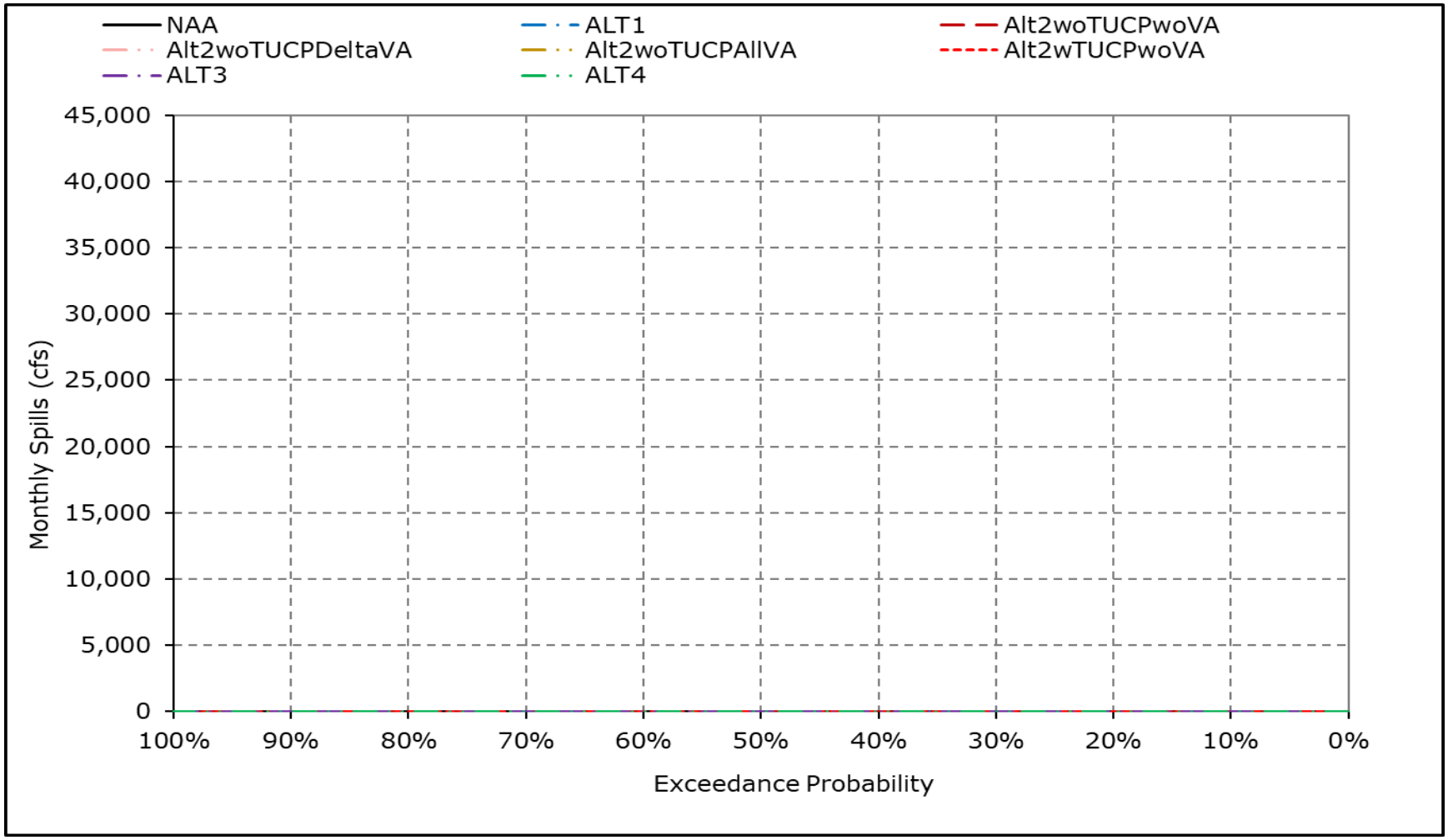
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-13. Fremont Weir Spills, April



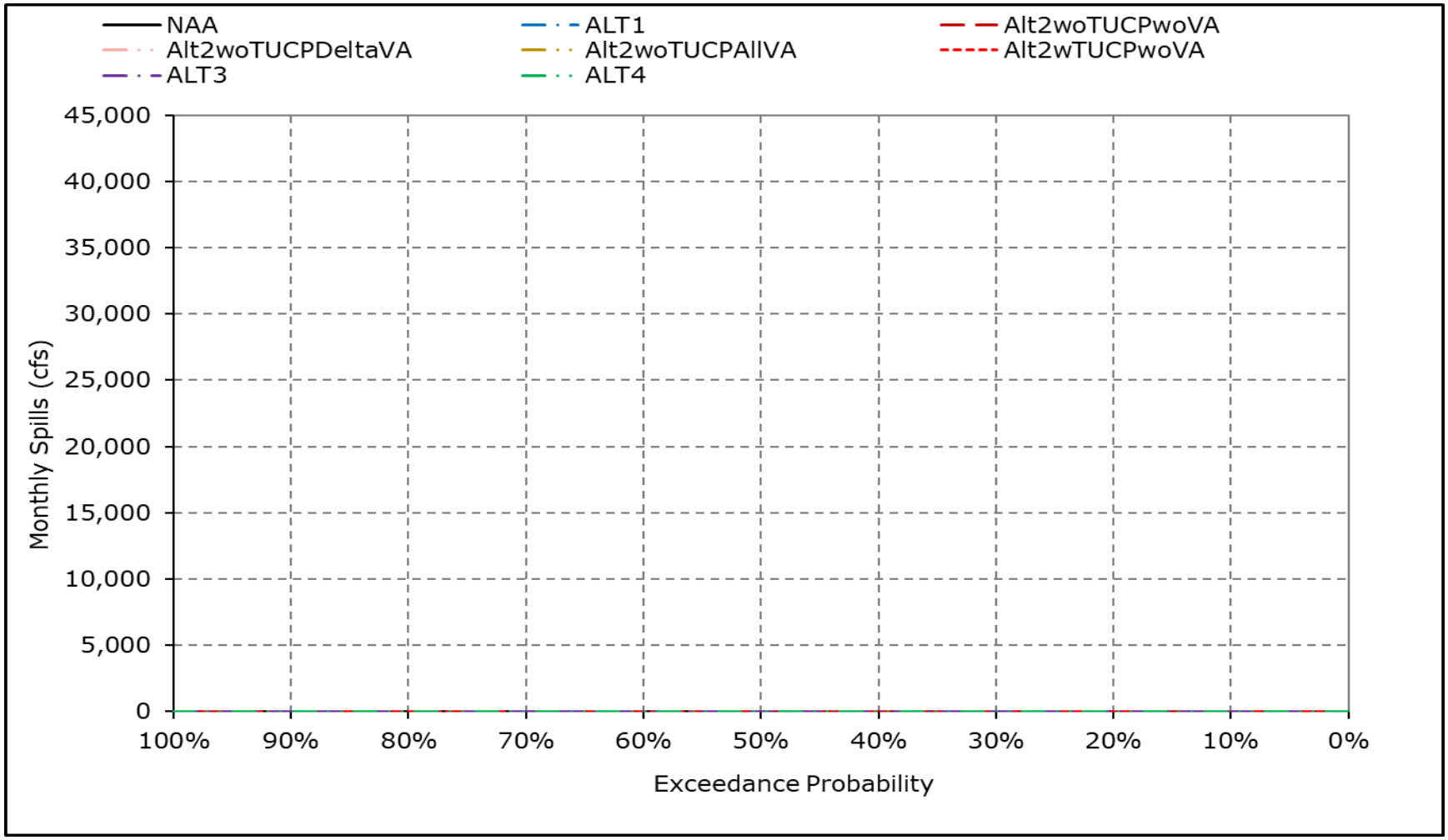
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-14. Fremont Weir Spills, May



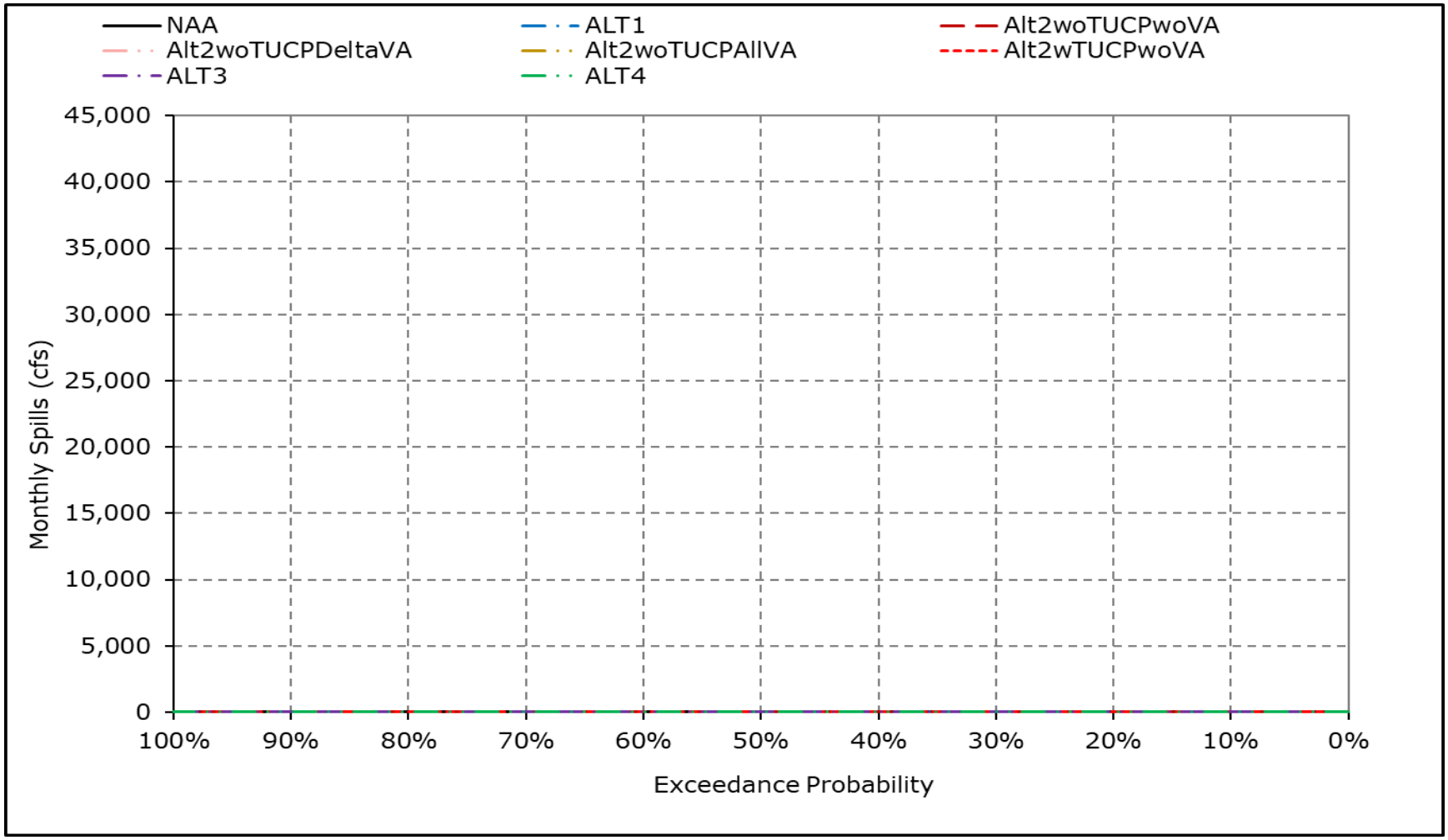
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-15. Fremont Weir Spills, June



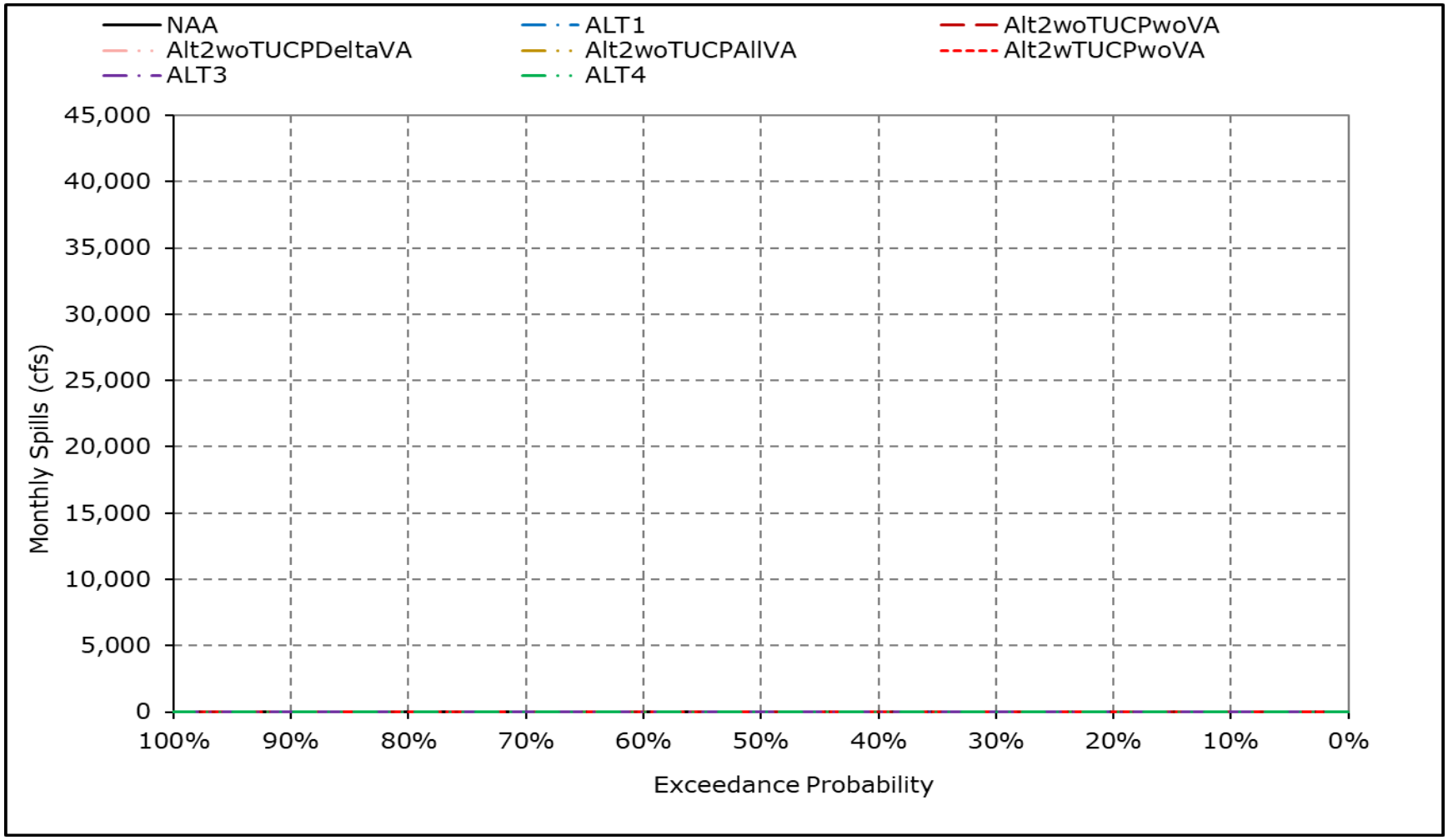
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-16. Fremont Weir Spills, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-17. Fremont Weir Spills, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-18. Fremont Weir Spills, September

Table F.2.2-11-1a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-1b. Yolo Bypass Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	194	1,420	16,460	37,235	63,288	25,592	2,771	1,058	452	282	219	274
20% Exceedance	135	371	8,462	16,205	23,028	9,046	1,512	629	346	270	210	253
30% Exceedance	104	244	2,002	5,862	12,004	4,698	904	474	279	265	203	248
40% Exceedance	95	168	1,072	3,020	6,859	2,493	625	409	260	262	199	239
50% Exceedance	76	133	523	1,938	2,927	1,102	362	306	254	257	195	227
60% Exceedance	69	104	317	1,012	1,789	808	266	259	246	252	191	221
70% Exceedance	64	94	186	407	732	514	250	237	236	250	189	199
80% Exceedance	53	83	117	236	406	275	230	214	229	245	183	183
90% Exceedance	46	72	95	139	183	122	214	192	217	238	172	165
Full Simulation Period Average[a]	205	679	5,801	12,546	18,463	9,520	2,094	545	309	264	195	230
Wet Water Years (28%)	116	1,024	7,305	36,173	50,857	27,048	6,250	1,005	452	291	221	273
Above Normal Water Years (14%)	105	787	3,326	12,044	18,536	10,018	887	576	276	243	193	238
Below Normal Water Years (18%)	89	384	6,098	2,599	3,581	1,586	488	471	245	259	195	237
Dry Water Years (24%)	446	664	8,249	740	3,637	860	401	278	269	258	195	209
Critical Water Years (16%)	225	307	1,194	538	690	327	223	197	218	250	155	169

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-1c. Yolo Bypass Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	162	731	4,848	107	-780	-2	-11	3	4	0	2
20% Exceedance	14	0	32	155	255	-467	0	4	3	3	-1	0
30% Exceedance	1	-1	-1	261	2,484	-7	-5	2	0	3	-1	2
40% Exceedance	10	21	14	102	177	79	2	0	1	6	-1	2
50% Exceedance	0	10	3	154	61	-22	7	5	4	7	-1	5
60% Exceedance	0	2	5	-8	125	94	0	2	2	4	-1	14
70% Exceedance	0	2	18	-18	-40	49	14	2	1	11	0	8
80% Exceedance	-1	4	6	-1	-31	1	11	0	0	19	-2	10
90% Exceedance	3	5	4	10	0	2	27	3	29	54	-1	6
Full Simulation Period Average[a]	25	66	222	216	104	-33	17	3	9	19	-3	5
Wet Water Years (28%)	0	73	380	467	62	-50	32	2	1	7	0	8
Above Normal Water Years (14%)	1	86	352	611	-230	-215	3	2	1	5	0	23
Below Normal Water Years (18%)	2	2	-80	7	507	80	1	4	-1	49	0	3
Dry Water Years (24%)	3	21	317	-6	136	-12	-1	0	8	0	5	1
Critical Water Years (16%)	160	179	8	0	-30	-4	48	7	44	49	-28	-5

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-2a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-2b. Yolo Bypass Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	181	1,427	15,642	32,520	63,214	26,319	2,765	1,067	447	282	219	271
20% Exceedance	121	369	8,433	16,111	22,722	9,138	1,502	621	343	269	209	250
30% Exceedance	104	243	2,005	5,601	9,831	4,704	907	469	278	265	201	243
40% Exceedance	87	151	1,044	3,054	6,798	2,394	622	401	259	258	196	235
50% Exceedance	76	127	528	1,841	2,933	1,122	360	302	254	251	191	221
60% Exceedance	69	103	312	1,021	1,656	748	265	256	246	247	188	206
70% Exceedance	63	92	191	426	792	474	246	234	239	240	182	193
80% Exceedance	48	80	110	248	436	275	230	216	231	230	172	181
90% Exceedance	39	70	90	130	178	119	213	193	219	217	133	157
Full Simulation Period Average[a]	175	653	5,701	12,443	18,449	9,493	2,081	541	308	253	189	223
Wet Water Years (28%)	115	955	6,949	36,007	50,983	27,069	6,209	997	448	285	220	263
Above Normal Water Years (14%)	104	705	3,064	11,613	18,756	9,844	881	571	273	240	192	213
Below Normal Water Years (18%)	88	390	6,273	2,590	3,108	1,512	485	466	246	212	189	232
Dry Water Years (24%)	424	618	8,279	759	3,636	877	401	276	261	258	175	207
Critical Water Years (16%)	64	411	1,195	540	724	328	222	198	236	249	154	175

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-2c. Yolo Bypass Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	169	-87	133	33	-53	-9	-1	-2	4	0	-1
20% Exceedance	0	-2	3	61	-51	-376	-11	-4	-1	2	-2	-3
30% Exceedance	0	-1	2	-1	311	-1	-1	-2	-1	3	-3	-3
40% Exceedance	2	4	-15	136	116	-21	-2	-8	1	3	-3	-3
50% Exceedance	0	4	8	57	68	-2	5	2	3	1	-5	-1
60% Exceedance	0	1	0	1	-9	34	-1	-1	2	0	-4	-1
70% Exceedance	-1	0	23	2	20	9	10	-2	4	1	-7	2
80% Exceedance	-7	1	-1	11	-1	1	11	2	2	3	-14	8
90% Exceedance	-3	3	-1	1	-5	-1	26	4	31	33	-41	-2
Full Simulation Period Average[a]	-5	39	122	113	90	-61	4	-1	9	8	-10	-1
Wet Water Years (28%)	-1	4	24	301	187	-28	-9	-6	-3	1	-1	-2
Above Normal Water Years (14%)	0	4	90	180	-9	-390	-3	-2	-2	2	-1	-2
Below Normal Water Years (18%)	0	7	95	-2	34	5	-1	-1	0	2	-7	-2
Dry Water Years (24%)	-18	-25	347	13	136	4	-1	-1	0	0	-15	-1
Critical Water Years (16%)	-1	283	10	2	4	-2	47	8	63	47	-29	1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-3a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-3b. Yolo Bypass Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	1,433	15,205	32,391	63,147	26,465	2,770	1,107	449	282	219	272
20% Exceedance	125	370	8,484	16,083	22,816	9,162	1,506	618	345	269	209	253
30% Exceedance	104	247	2,008	5,592	9,712	4,705	903	474	279	265	201	246
40% Exceedance	86	154	1,045	3,050	6,778	2,411	624	401	259	259	196	236
50% Exceedance	76	128	526	1,839	2,934	1,125	362	304	254	252	192	223
60% Exceedance	71	103	315	1,022	1,658	748	266	257	246	248	188	209
70% Exceedance	64	92	187	426	757	468	246	235	239	240	183	194
80% Exceedance	50	81	110	237	412	275	230	212	231	231	173	184
90% Exceedance	42	70	90	129	179	120	214	194	219	218	135	159
Full Simulation Period Average[a]	193	637	5,661	12,370	18,406	9,473	2,084	543	309	255	189	225
Wet Water Years (28%)	116	953	6,940	35,717	50,906	27,078	6,218	1,001	450	286	220	266
Above Normal Water Years (14%)	105	677	3,059	11,688	18,782	9,688	881	572	274	240	192	214
Below Normal Water Years (18%)	89	390	6,201	2,594	3,061	1,509	488	467	247	219	190	238
Dry Water Years (24%)	419	583	8,181	749	3,592	878	402	279	262	258	174	208
Critical Water Years (16%)	188	390	1,194	541	685	331	222	197	234	249	155	176

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-3c. Yolo Bypass Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	175	-525	4	-33	93	-3	39	-1	4	0	0
20% Exceedance	4	-1	54	33	43	-352	-7	-7	1	2	-2	0
30% Exceedance	1	2	5	-9	192	0	-5	3	0	3	-3	0
40% Exceedance	1	7	-14	132	96	-3	0	-9	1	3	-3	-2
50% Exceedance	0	6	6	55	69	0	7	3	4	1	-5	1
60% Exceedance	2	1	3	3	-6	34	0	0	2	1	-4	2
70% Exceedance	0	0	19	2	-15	2	10	0	4	2	-5	3
80% Exceedance	-5	2	-1	0	-25	1	11	-2	2	5	-13	11
90% Exceedance	-1	3	0	1	-4	0	26	4	31	34	-38	0
Full Simulation Period Average[a]	13	23	82	41	47	-80	7	1	10	10	-9	1
Wet Water Years (28%)	0	2	15	11	110	-20	0	-2	-1	1	0	1
Above Normal Water Years (14%)	0	-24	85	255	17	-546	-3	-2	0	2	-1	-1
Below Normal Water Years (18%)	2	8	24	2	-13	3	2	1	1	9	-6	5
Dry Water Years (24%)	-24	-60	249	4	91	6	0	2	1	0	-15	-1
Critical Water Years (16%)	123	262	9	3	-35	0	47	7	61	47	-28	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-4a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-4b. Yolo Bypass Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	1,433	15,362	32,435	62,783	26,320	2,771	1,106	450	282	219	272
20% Exceedance	125	375	8,476	16,220	22,706	8,985	1,518	622	347	269	209	253
30% Exceedance	104	261	2,028	5,652	9,805	4,373	910	476	279	264	201	246
40% Exceedance	87	176	1,044	3,031	6,765	2,406	625	407	259	258	197	236
50% Exceedance	77	138	537	1,849	2,949	1,117	386	306	254	252	192	224
60% Exceedance	71	121	326	1,039	1,669	764	271	264	246	248	189	210
70% Exceedance	63	111	206	437	796	467	248	245	239	240	186	191
80% Exceedance	55	101	118	247	439	287	231	219	231	231	173	179
90% Exceedance	42	85	102	136	191	129	212	203	219	218	143	163
Full Simulation Period Average[a]	193	673	5,700	12,397	18,419	9,401	2,073	546	309	255	190	226
Wet Water Years (28%)	116	955	6,944	35,753	50,804	26,913	6,165	1,001	451	286	220	267
Above Normal Water Years (14%)	105	718	3,068	11,762	18,760	9,462	883	570	275	240	192	215
Below Normal Water Years (18%)	90	423	6,145	2,599	3,083	1,513	497	467	248	221	190	238
Dry Water Years (24%)	430	682	8,367	760	3,732	890	407	290	260	257	176	210
Critical Water Years (16%)	166	391	1,209	555	729	341	224	200	235	249	155	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-4c. Yolo Bypass Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	175	-367	48	-397	-52	-2	38	1	4	0	1
20% Exceedance	4	4	46	170	-67	-529	6	-4	3	2	-2	0
30% Exceedance	0	16	25	50	285	-332	2	4	0	2	-3	0
40% Exceedance	2	29	-15	113	83	-9	1	-2	1	3	-3	-2
50% Exceedance	0	15	17	65	84	-7	30	6	4	1	-4	3
60% Exceedance	2	19	14	19	5	51	5	7	2	0	-4	2
70% Exceedance	0	19	38	13	25	2	12	9	4	2	-3	1
80% Exceedance	0	23	7	11	2	13	12	5	2	5	-12	6
90% Exceedance	-1	17	11	8	8	9	25	14	31	34	-31	4
Full Simulation Period Average[a]	13	60	121	67	60	-153	-4	4	10	10	-9	2
Wet Water Years (28%)	0	4	19	48	9	-185	-54	-2	0	2	0	2
Above Normal Water Years (14%)	0	17	94	329	-5	-772	0	-3	0	2	-1	-1
Below Normal Water Years (18%)	2	40	-32	7	9	6	10	0	2	11	-5	5
Dry Water Years (24%)	-13	39	436	15	232	18	5	13	-1	-1	-14	2
Critical Water Years (16%)	101	263	23	18	9	11	49	10	62	47	-27	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-5a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-5b. Yolo Bypass Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	181	1,307	15,630	32,489	63,225	26,321	2,766	1,068	447	280	219	271
20% Exceedance	121	330	8,442	16,157	24,518	9,515	1,506	624	341	269	209	250
30% Exceedance	103	238	2,006	5,606	9,835	4,706	907	469	278	264	201	243
40% Exceedance	84	146	1,044	3,099	6,786	2,395	622	402	259	256	197	235
50% Exceedance	76	124	520	1,842	2,936	1,122	355	300	251	250	192	221
60% Exceedance	68	101	315	1,029	1,656	748	265	256	244	246	189	208
70% Exceedance	62	90	168	426	792	474	240	234	233	239	187	192
80% Exceedance	48	75	106	252	436	274	223	216	225	226	177	184
90% Exceedance	38	69	88	127	178	119	188	190	144	194	148	161
Full Simulation Period Average[a]	175	611	5,700	12,480	18,494	9,560	2,078	541	297	246	193	224
Wet Water Years (28%)	115	955	6,951	36,024	51,022	27,092	6,214	998	449	285	220	264
Above Normal Water Years (14%)	104	705	3,066	11,839	18,790	10,282	882	572	273	240	192	214
Below Normal Water Years (18%)	88	398	6,273	2,595	3,145	1,513	495	465	246	208	189	231
Dry Water Years (24%)	424	618	8,280	759	3,732	876	401	276	261	258	175	207
Critical Water Years (16%)	62	118	1,182	540	724	327	185	194	164	210	178	181

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-5c. Yolo Bypass Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	49	-99	102	44	-51	-7	-1	-3	3	0	-1
20% Exceedance	0	-41	12	107	1,745	2	-7	-2	-2	1	-1	-3
30% Exceedance	0	-6	3	4	315	1	-1	-2	-1	2	-3	-3
40% Exceedance	-1	-1	-14	181	104	-20	-1	-8	0	0	-3	-2
50% Exceedance	0	1	0	58	71	-2	0	-1	0	-1	-4	-1
60% Exceedance	-1	-1	3	9	-8	34	-1	-1	-1	-1	-3	1
70% Exceedance	-2	-2	0	2	20	9	4	-2	-2	0	-2	1
80% Exceedance	-7	-4	-5	16	-1	0	4	1	-4	0	-9	10
90% Exceedance	-5	2	-3	-1	-5	-1	0	0	-43	10	-26	2
Full Simulation Period Average[a]	-5	-3	121	150	136	7	1	-2	-2	1	-6	0
Wet Water Years (28%)	-1	4	25	318	226	-6	-5	-5	-2	0	0	-1
Above Normal Water Years (14%)	0	4	93	406	24	48	-2	-1	-1	2	-1	-2
Below Normal Water Years (18%)	0	15	96	3	71	6	8	-2	0	-2	-7	-3
Dry Water Years (24%)	-19	-25	349	13	232	4	-1	-1	0	0	-15	-1
Critical Water Years (16%)	-4	-11	-3	2	4	-3	10	4	-9	9	-4	6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-6a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-6b. Yolo Bypass Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	1,377	19,235	39,823	62,382	27,266	3,124	1,051	446	283	218	266
20% Exceedance	119	346	9,195	19,234	23,510	10,049	1,354	612	340	270	210	247
30% Exceedance	103	240	2,103	6,273	12,051	4,773	900	463	274	265	205	242
40% Exceedance	83	164	1,095	3,326	7,112	2,612	618	404	258	262	200	232
50% Exceedance	75	124	525	2,238	2,999	1,317	349	296	250	255	197	218
60% Exceedance	67	100	311	971	1,835	851	264	253	237	250	194	201
70% Exceedance	63	87	167	423	692	499	237	231	228	245	191	182
80% Exceedance	55	74	101	228	434	269	208	215	219	238	188	164
90% Exceedance	44	66	83	134	170	118	187	182	209	226	178	146
Full Simulation Period Average[a]	192	750	6,559	13,152	19,065	9,681	2,070	551	299	259	198	217
Wet Water Years (28%)	112	1,043	7,998	37,782	52,030	27,024	6,188	981	444	286	217	257
Above Normal Water Years (14%)	103	1,145	3,631	12,989	19,999	10,845	814	566	267	242	193	212
Below Normal Water Years (18%)	158	439	7,757	2,711	3,863	1,720	558	568	236	242	198	229
Dry Water Years (24%)	445	792	9,192	762	3,709	980	394	274	254	258	195	201
Critical Water Years (16%)	63	117	1,151	524	694	321	178	182	211	245	171	165

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-6c. Yolo Bypass Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	118	3,506	7,436	-799	894	351	-18	-4	6	-1	-5
20% Exceedance	-2	-25	765	3,184	737	535	-159	-14	-4	3	-1	-6
30% Exceedance	0	-4	100	671	2,531	68	-8	-8	-5	3	1	-5
40% Exceedance	-2	17	36	408	430	198	-6	-6	-1	6	1	-5
50% Exceedance	-1	2	5	454	133	192	-6	-5	-1	4	0	-3
60% Exceedance	-2	-2	-1	-49	171	137	-2	-5	-7	3	2	-7
70% Exceedance	-1	-5	-1	-1	-79	34	1	-5	-7	6	2	-8
80% Exceedance	1	-4	-10	-9	-3	-5	-11	1	-10	12	2	-9
90% Exceedance	2	-1	-8	6	-13	-2	0	-7	21	42	5	-13
Full Simulation Period Average[a]	12	136	980	822	706	128	-7	9	0	14	-1	-7
Wet Water Years (28%)	-3	92	1,073	2,076	1,235	-74	-31	-22	-7	1	-4	-8
Above Normal Water Years (14%)	-1	444	657	1,556	1,234	611	-70	-7	-7	4	0	-3
Below Normal Water Years (18%)	70	56	1,580	119	789	214	72	101	-10	32	2	-5
Dry Water Years (24%)	2	149	1,260	17	208	107	-8	-3	-7	0	5	-8
Critical Water Years (16%)	-2	-11	-35	-14	-26	-10	3	-8	38	43	-11	-10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-7a. Yolo Bypass Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	1,258	15,729	32,387	63,181	26,372	2,773	1,069	449	277	219	271
20% Exceedance	121	371	8,430	16,050	22,773	9,513	1,513	626	344	267	211	253
30% Exceedance	103	244	2,003	5,602	9,520	4,705	909	471	279	262	204	246
40% Exceedance	85	147	1,059	2,918	6,682	2,415	623	409	259	256	200	237
50% Exceedance	76	123	520	1,784	2,865	1,124	355	301	251	250	196	222
60% Exceedance	69	102	312	1,020	1,664	714	266	258	244	247	192	207
70% Exceedance	64	92	168	425	772	465	236	236	235	239	189	191
80% Exceedance	54	79	111	237	437	274	219	214	229	226	186	173
90% Exceedance	43	67	91	128	183	120	188	189	188	184	174	159
Full Simulation Period Average[a]	180	614	5,579	12,330	18,359	9,553	2,077	542	299	245	199	224
Wet Water Years (28%)	116	951	6,925	35,706	50,796	27,098	6,219	1,003	451	285	221	265
Above Normal Water Years (14%)	104	701	2,974	11,433	18,766	10,234	884	573	274	238	193	215
Below Normal Water Years (18%)	88	382	6,178	2,592	3,074	1,506	486	467	246	210	195	234
Dry Water Years (24%)	443	643	7,932	746	3,501	872	402	277	261	258	189	209
Critical Water Years (16%)	65	128	1,186	538	720	330	175	190	173	202	183	174

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-7b. Yolo Bypass Flow, Alternative 4, Monthly Flow (cfs)

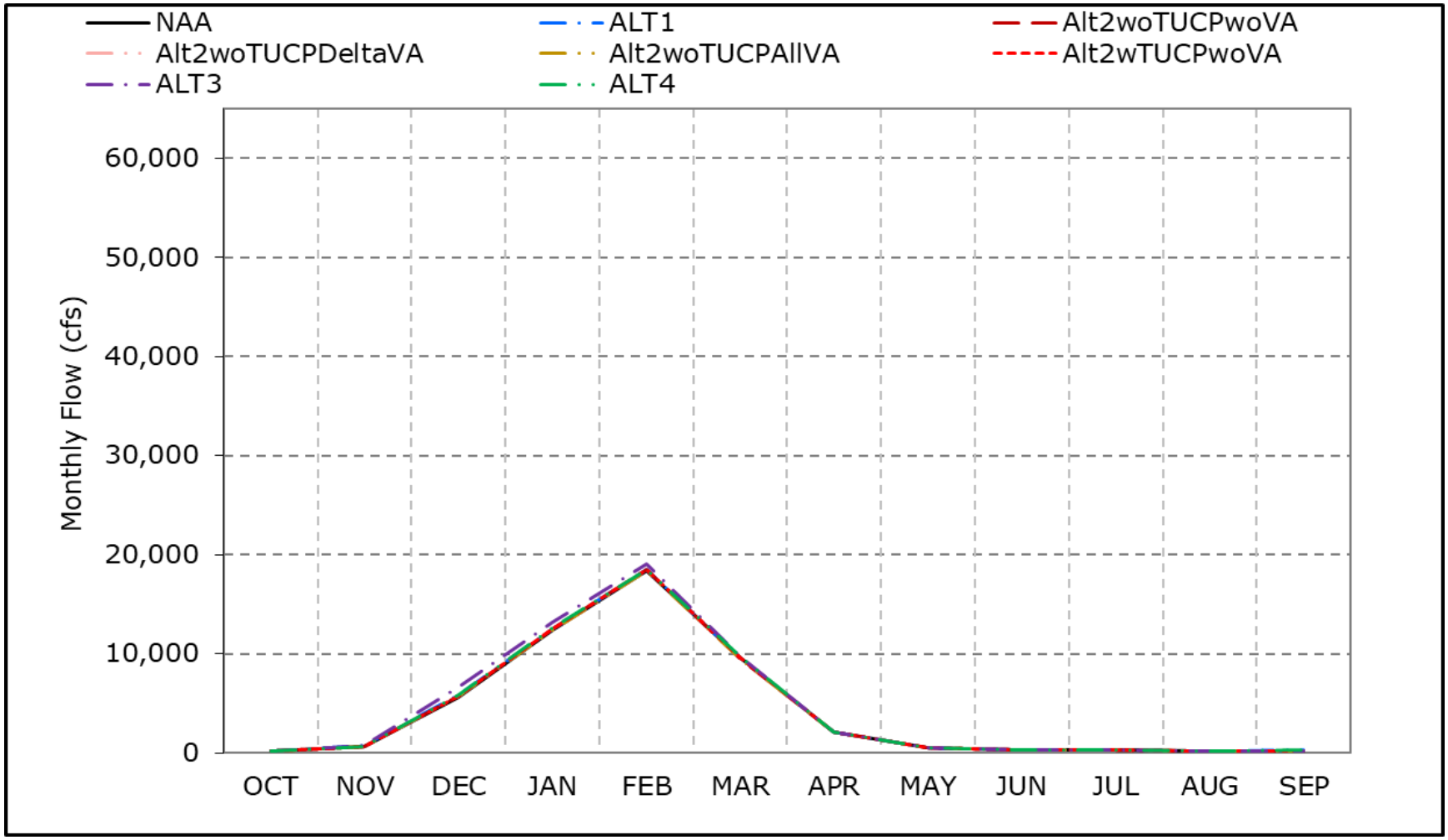
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	1,274	16,465	36,169	63,254	27,808	2,765	1,070	451	280	219	274
20% Exceedance	121	334	8,475	16,417	23,134	9,498	1,508	626	343	269	210	253
30% Exceedance	103	244	2,012	5,616	11,419	4,722	909	473	279	264	203	246
40% Exceedance	86	152	1,055	3,082	6,832	2,432	624	409	259	258	198	237
50% Exceedance	77	126	523	1,709	2,938	1,178	353	302	251	251	195	224
60% Exceedance	71	102	329	1,026	1,789	770	266	258	242	247	191	212
70% Exceedance	64	91	169	426	783	530	240	236	233	239	188	200
80% Exceedance	56	79	111	238	438	274	223	215	227	229	182	183
90% Exceedance	43	70	91	135	177	120	190	194	208	211	170	163
Full Simulation Period Average[a]	181	651	5,839	12,561	18,516	9,614	2,080	547	300	249	196	228
Wet Water Years (28%)	116	1,026	7,294	36,302	50,927	27,111	6,217	1,003	451	286	221	271
Above Normal Water Years (14%)	105	803	3,203	11,875	18,878	10,549	885	574	274	240	192	214
Below Normal Water Years (18%)	88	385	6,200	2,600	3,381	1,569	497	490	246	209	190	232
Dry Water Years (24%)	445	652	8,426	749	3,702	880	402	278	261	258	191	213
Critical Water Years (16%)	65	119	1,186	542	725	328	186	196	179	224	172	181

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-11-7c. Yolo Bypass Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

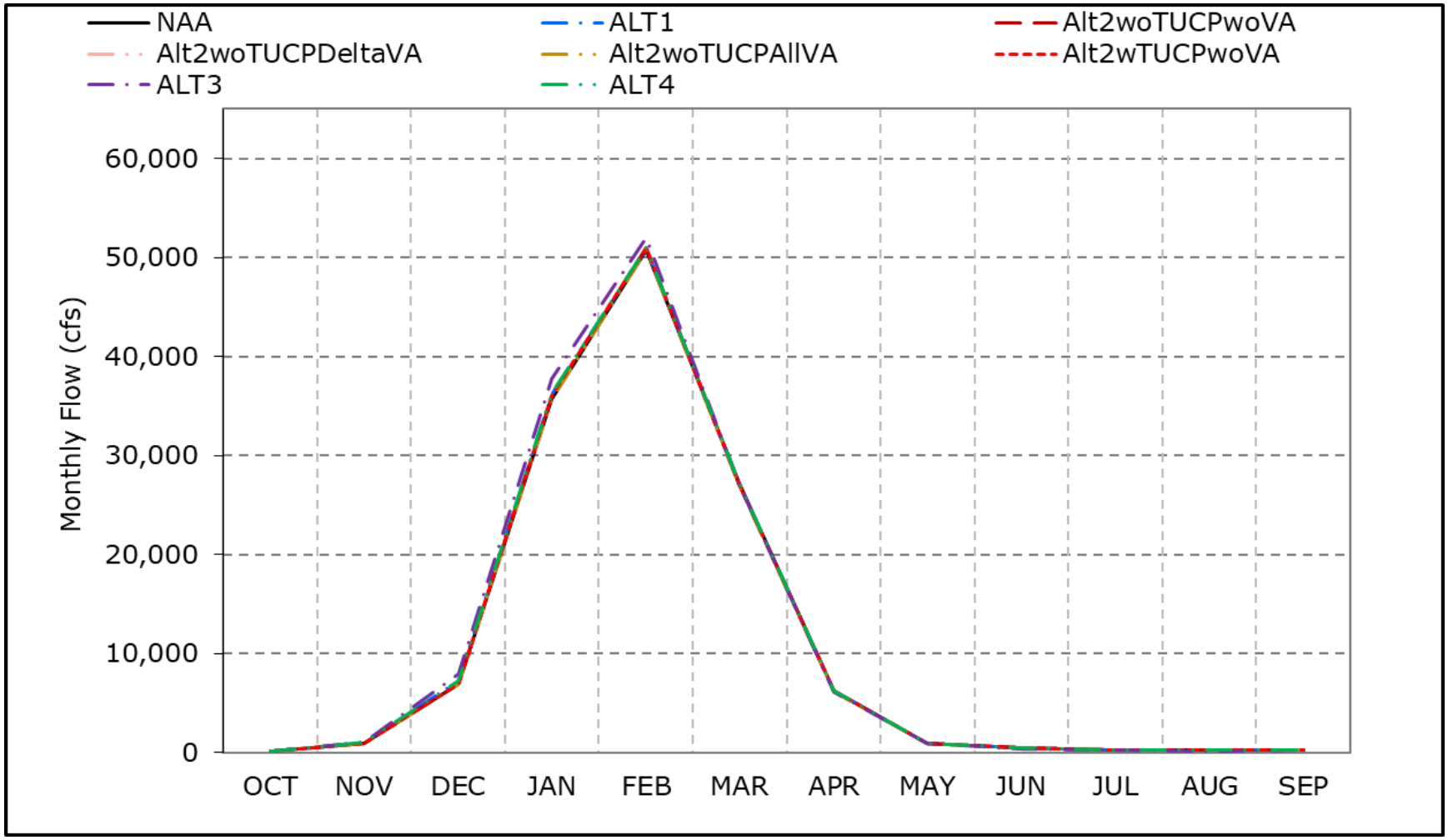
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	15	736	3,782	73	1,436	-9	1	1	3	0	2
20% Exceedance	0	-38	45	368	361	-15	-5	0	-1	1	-1	0
30% Exceedance	0	0	10	14	1,899	17	1	2	0	2	-1	0
40% Exceedance	1	4	-3	163	149	17	1	0	0	3	-1	0
50% Exceedance	0	3	3	-75	73	53	-2	2	0	0	-1	2
60% Exceedance	1	0	17	7	125	56	0	1	-2	0	-1	5
70% Exceedance	1	-1	1	2	12	65	4	0	-2	0	-1	10
80% Exceedance	2	0	0	1	1	0	4	1	-2	3	-4	10
90% Exceedance	0	3	0	6	-6	0	2	4	21	27	-3	3
Full Simulation Period Average[a]	1	38	260	231	157	61	3	5	1	4	-3	3
Wet Water Years (28%)	0	75	369	596	132	13	-2	0	0	2	0	6
Above Normal Water Years (14%)	0	102	229	442	112	315	1	1	0	2	-1	-1
Below Normal Water Years (18%)	0	3	22	8	307	63	10	23	0	-1	-6	-1
Dry Water Years (24%)	2	9	494	3	201	7	0	0	0	0	1	4
Critical Water Years (16%)	0	-9	0	4	5	-2	11	6	6	22	-10	6

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



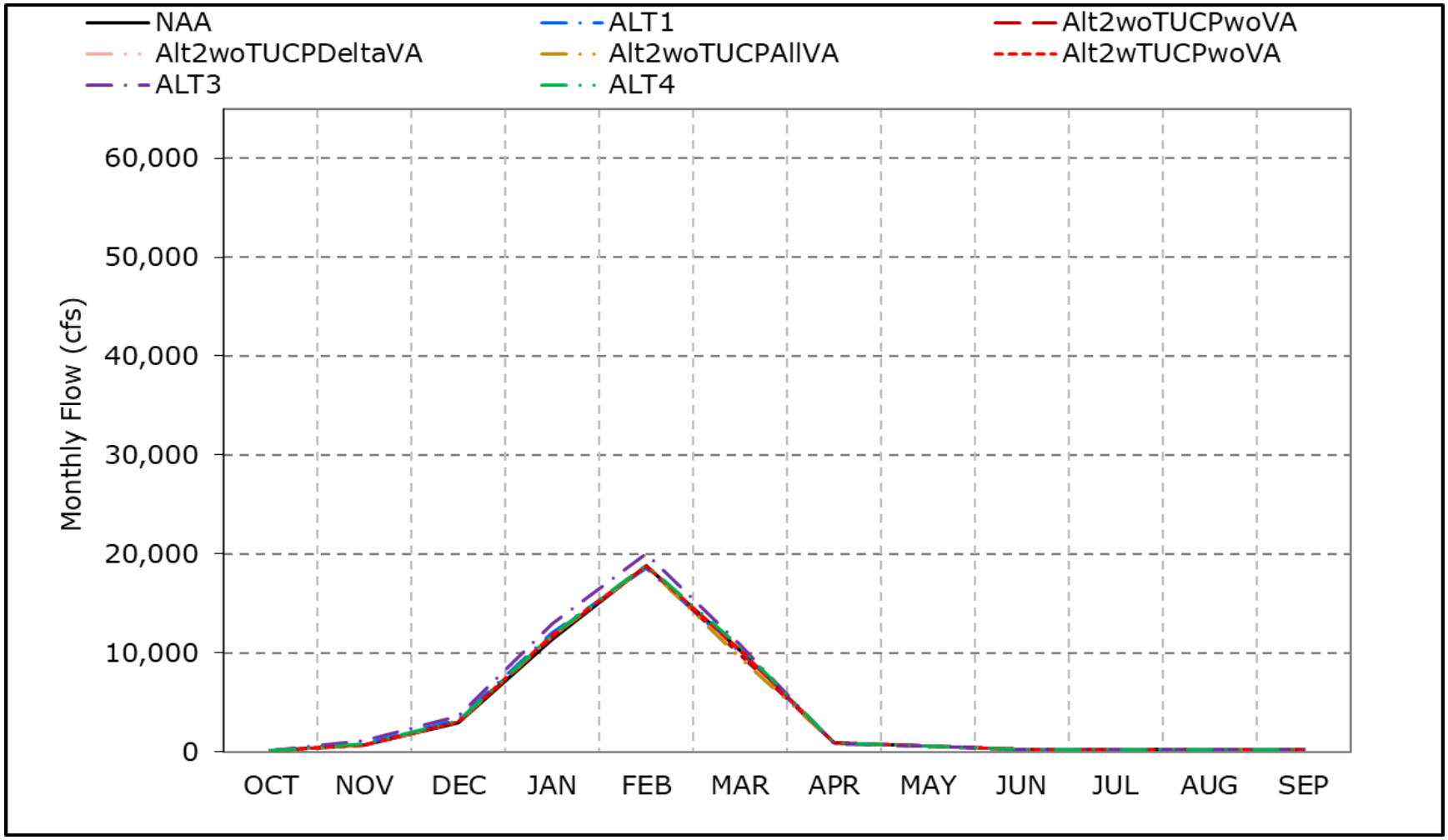
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-1. Yolo Bypass Flow, Long-Term Average Flow



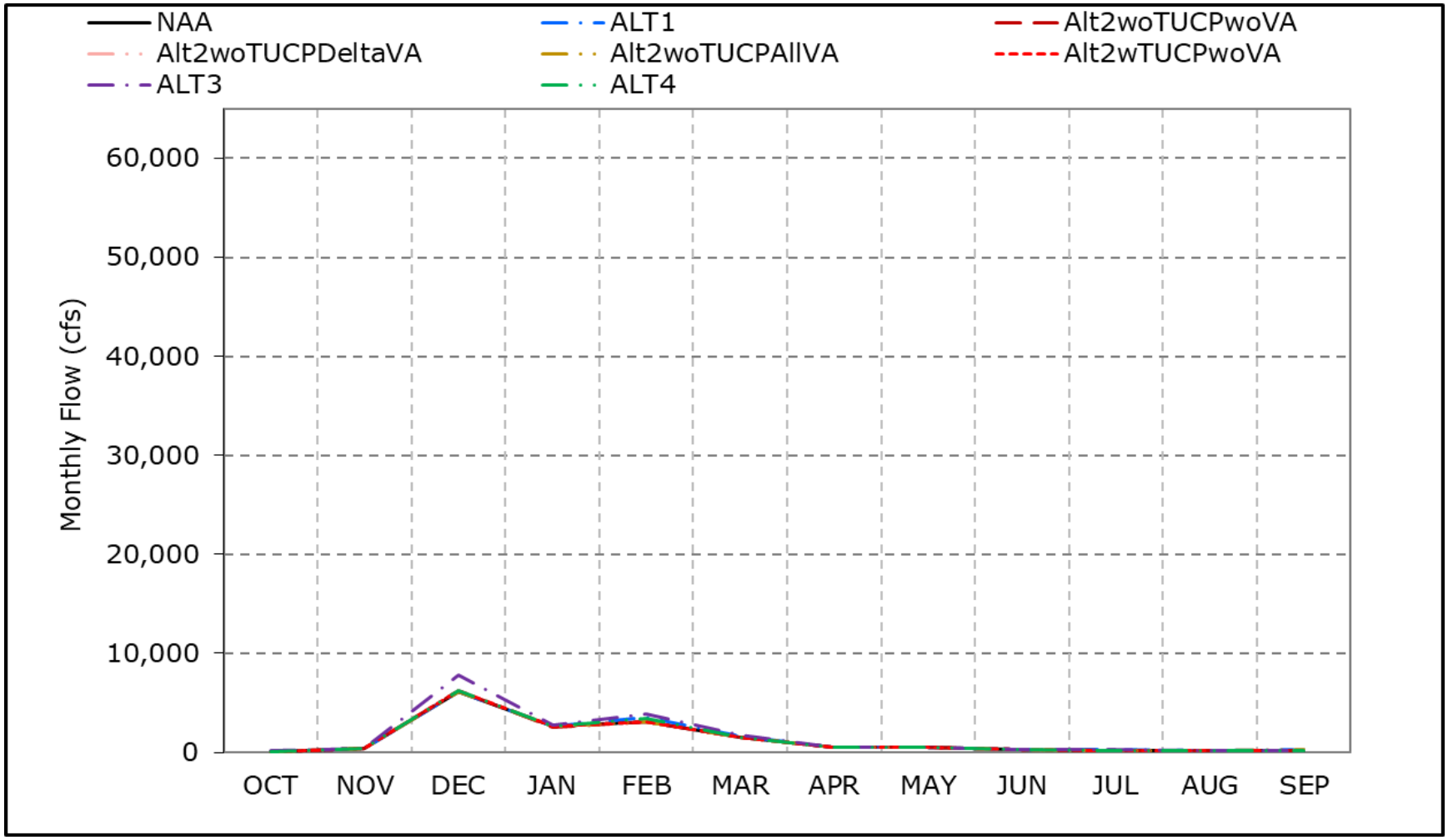
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-2. Yolo Bypass Flow, Wet Year Average Flow



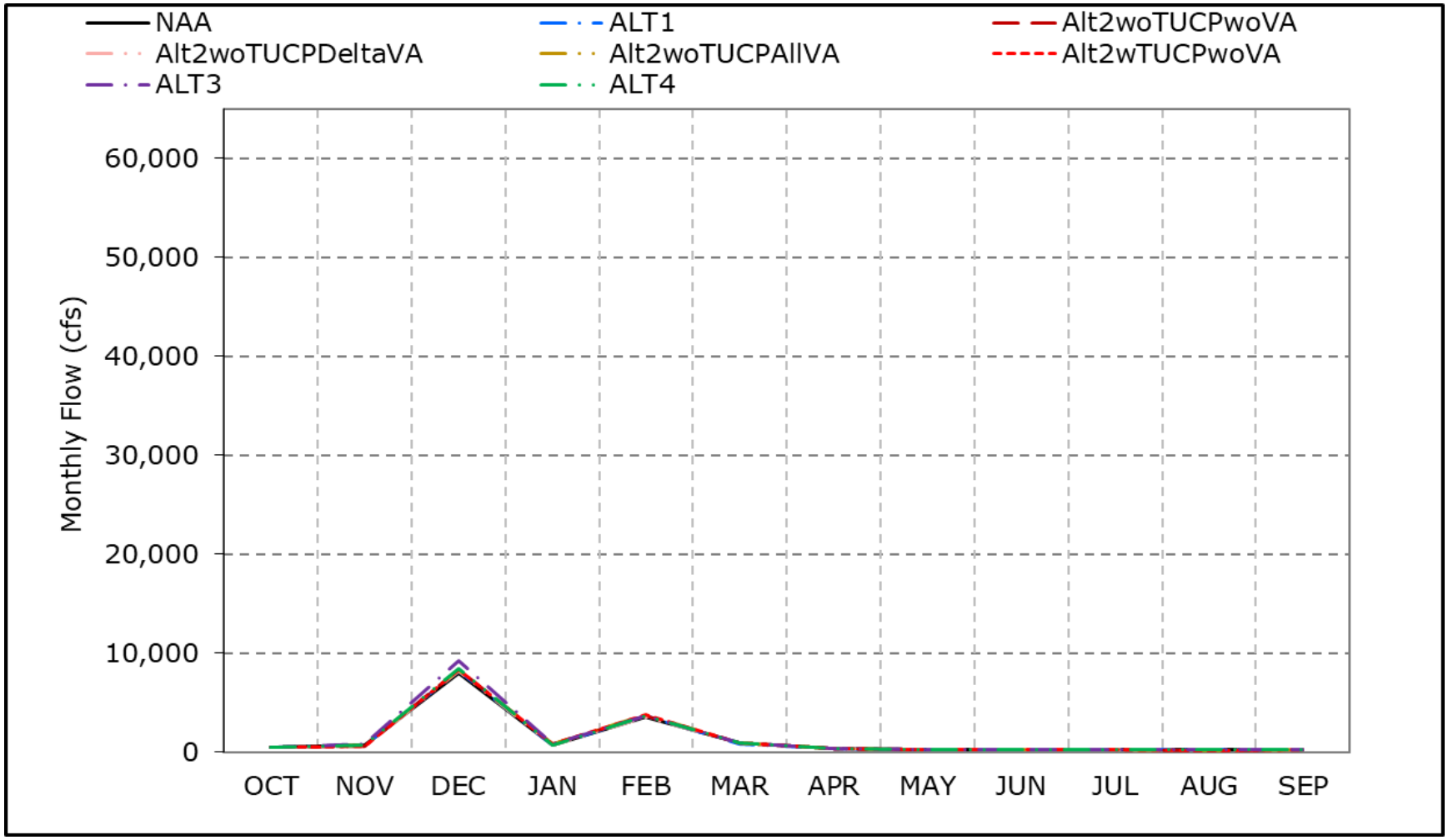
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-3. Yolo Bypass Flow, Above Normal Year Average Flow



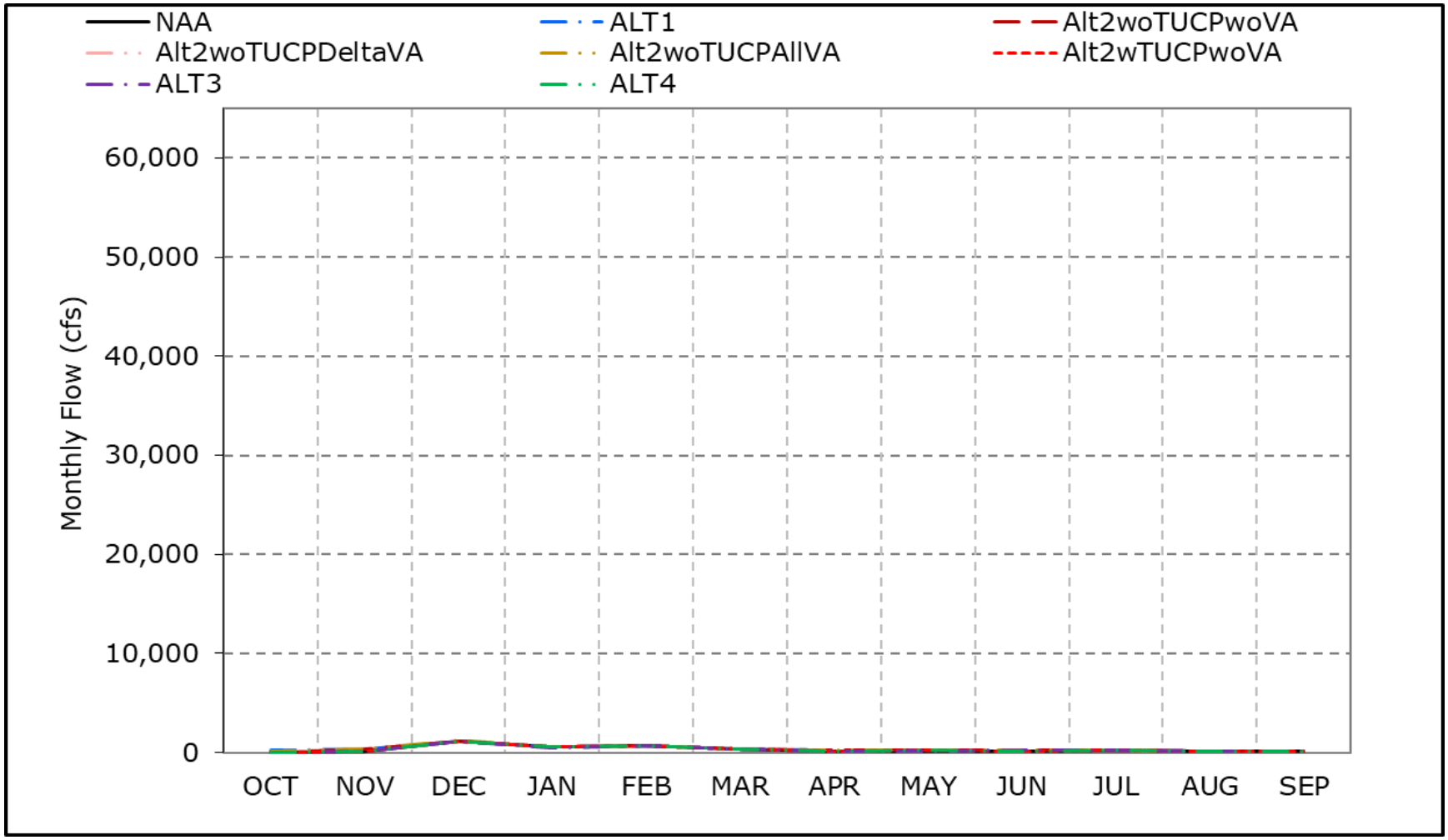
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-4. Yolo Bypass Flow, Below Normal Year Average Flow



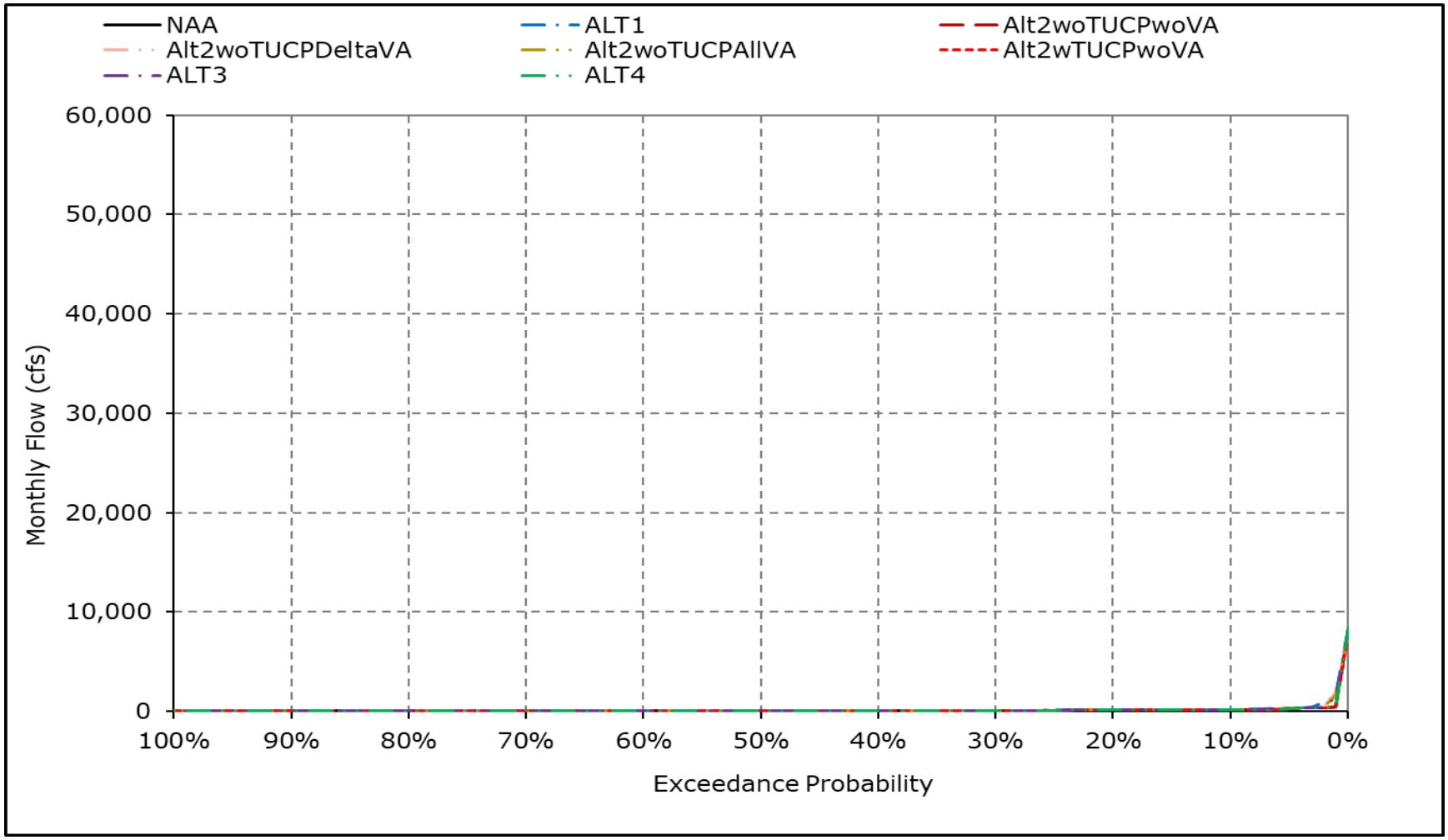
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-5. Yolo Bypass Flow, Dry Year Average Flow



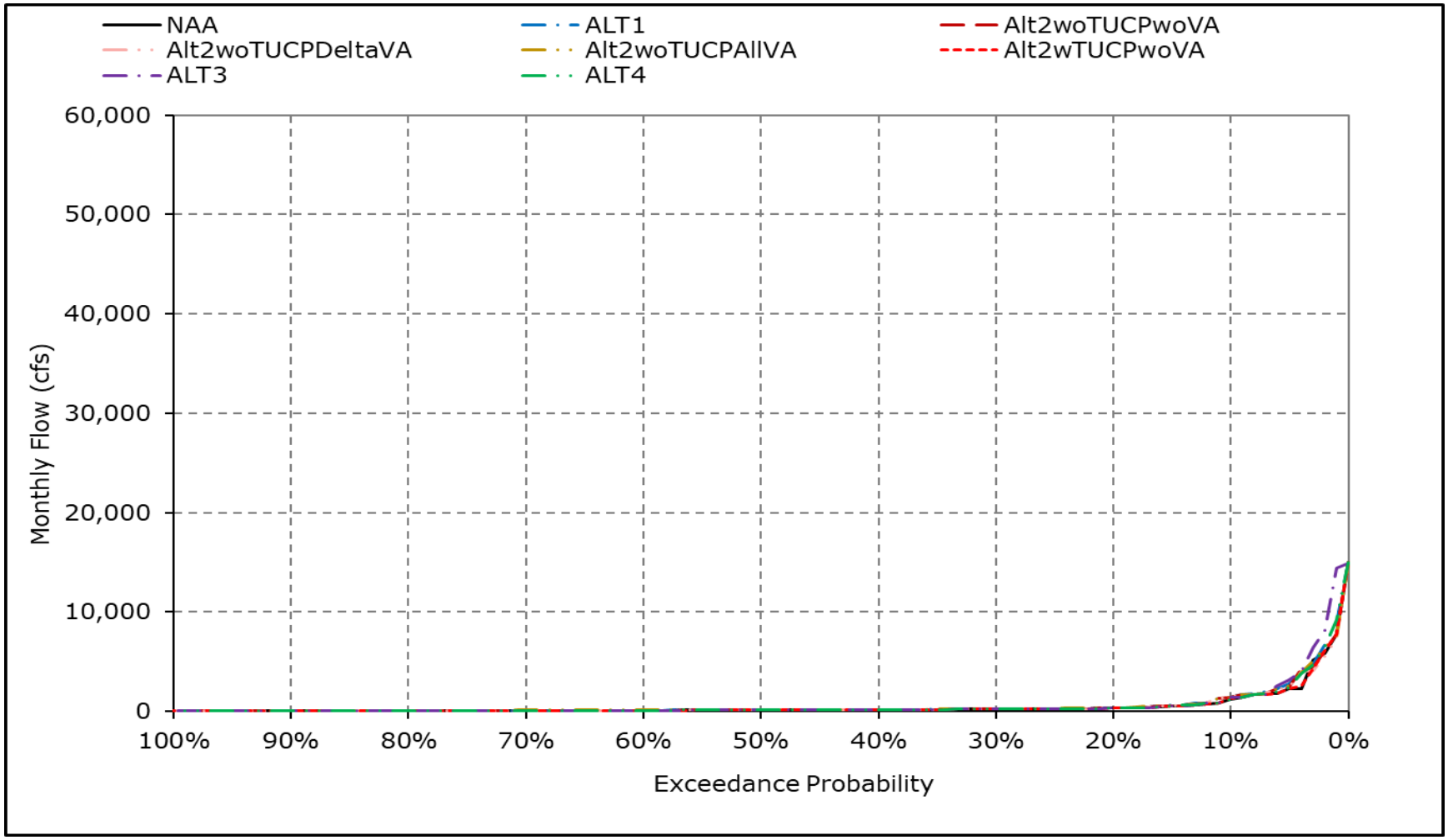
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-6. Yolo Bypass Flow, Critical Year Average Flow



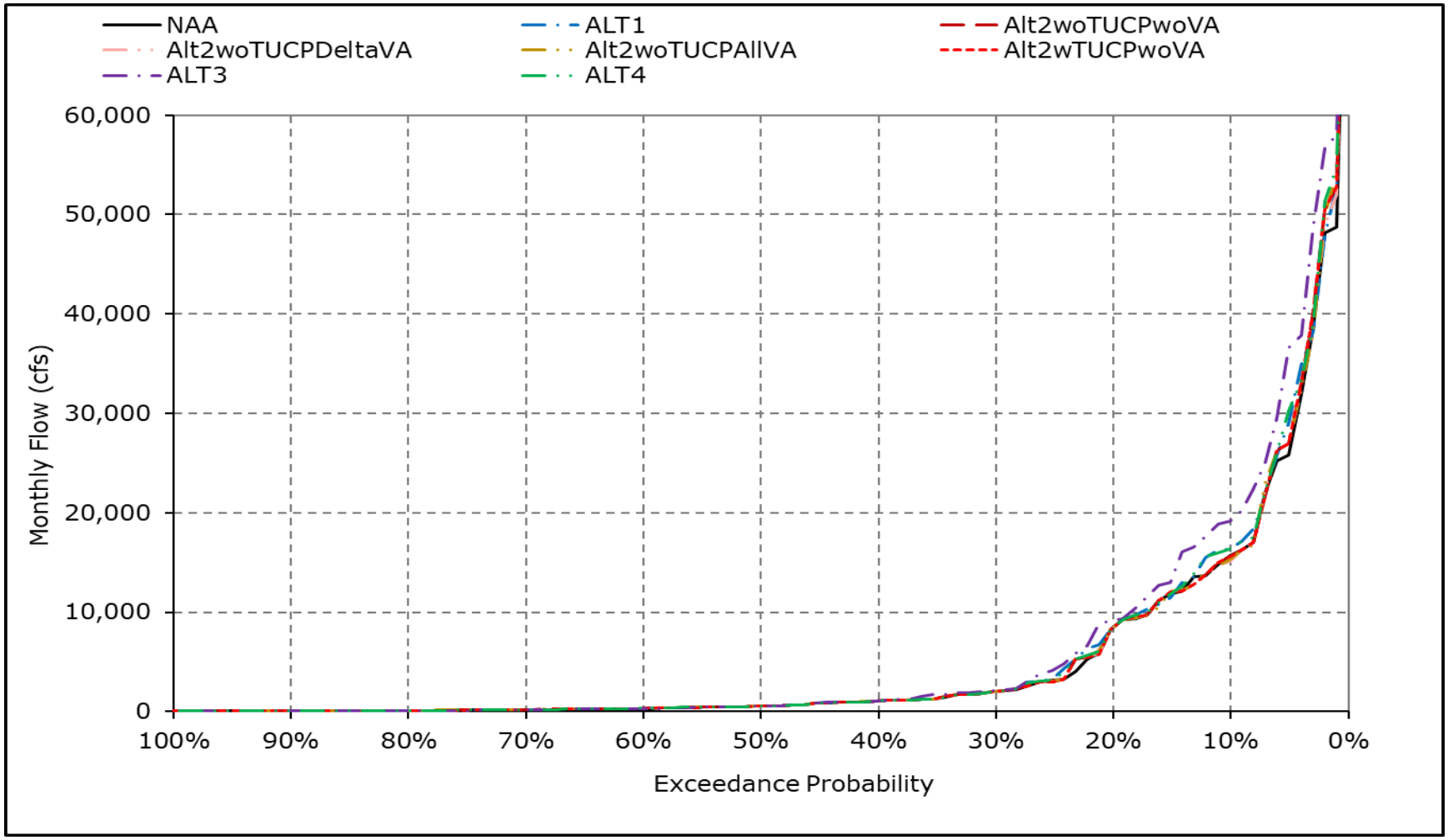
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-7. Yolo Bypass Flow, October



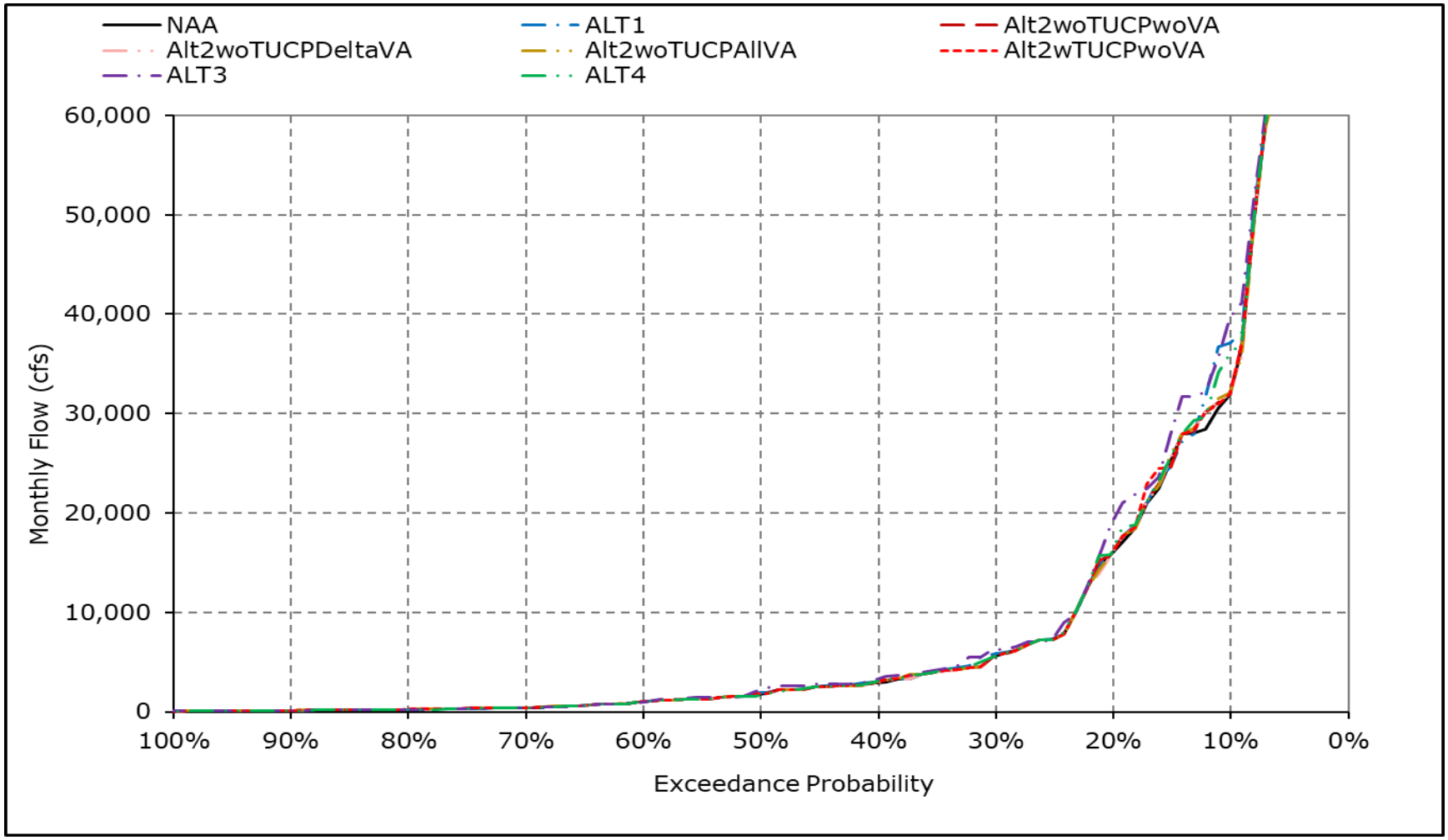
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-8. Yolo Bypass Flow, November



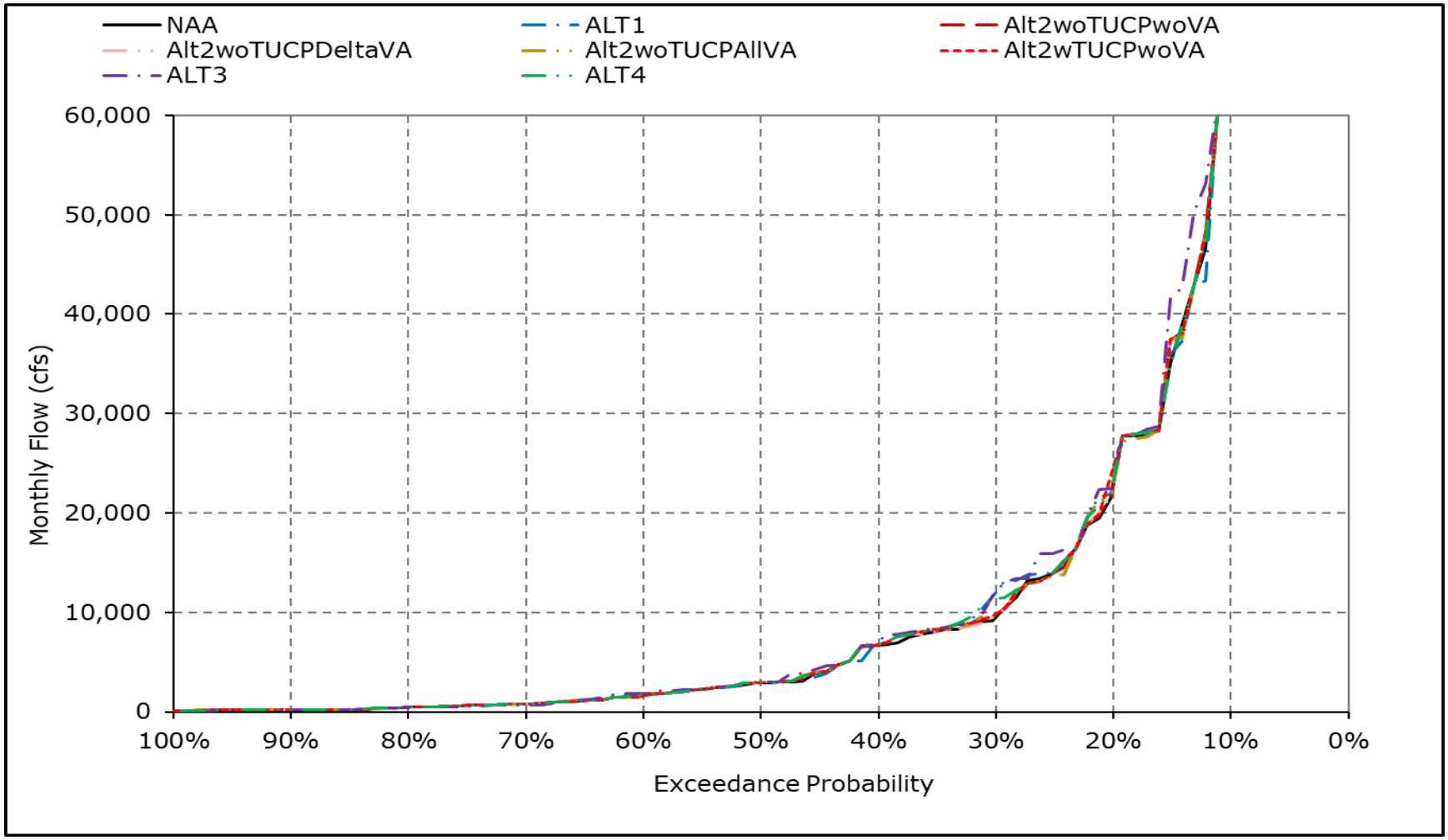
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-9. Yolo Bypass Flow, December



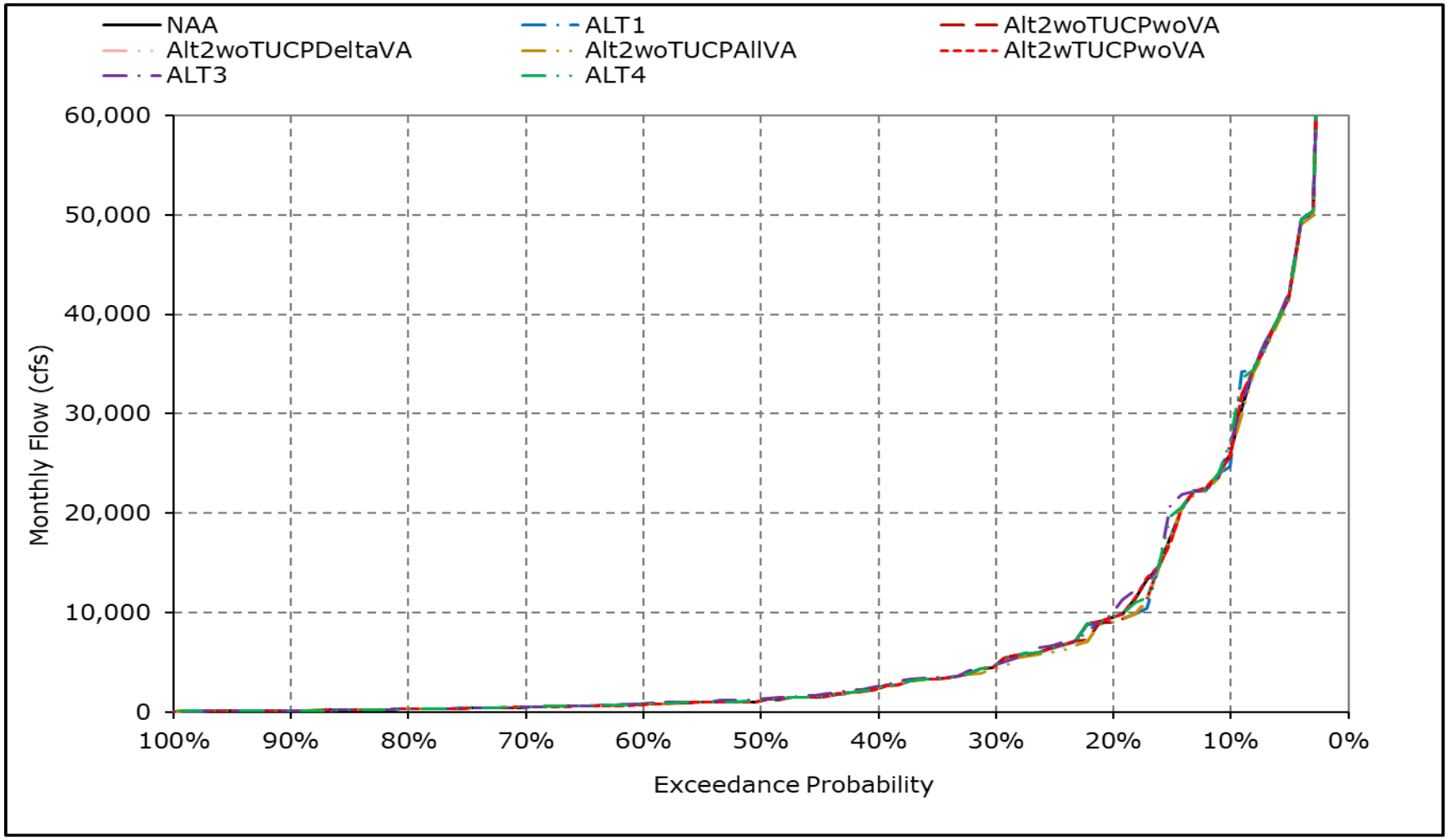
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-10. Yolo Bypass Flow, January



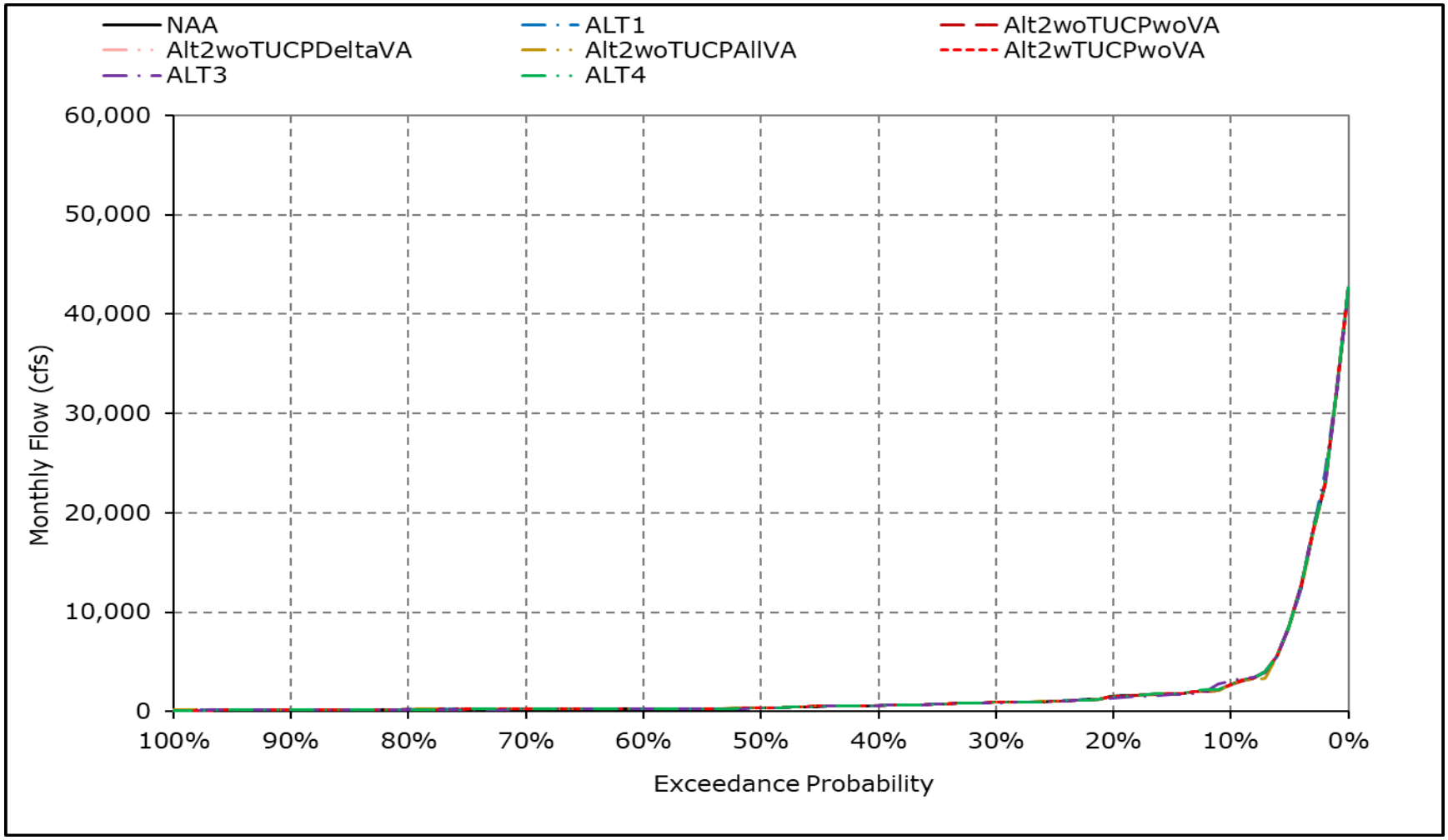
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-11. Yolo Bypass Flow, February



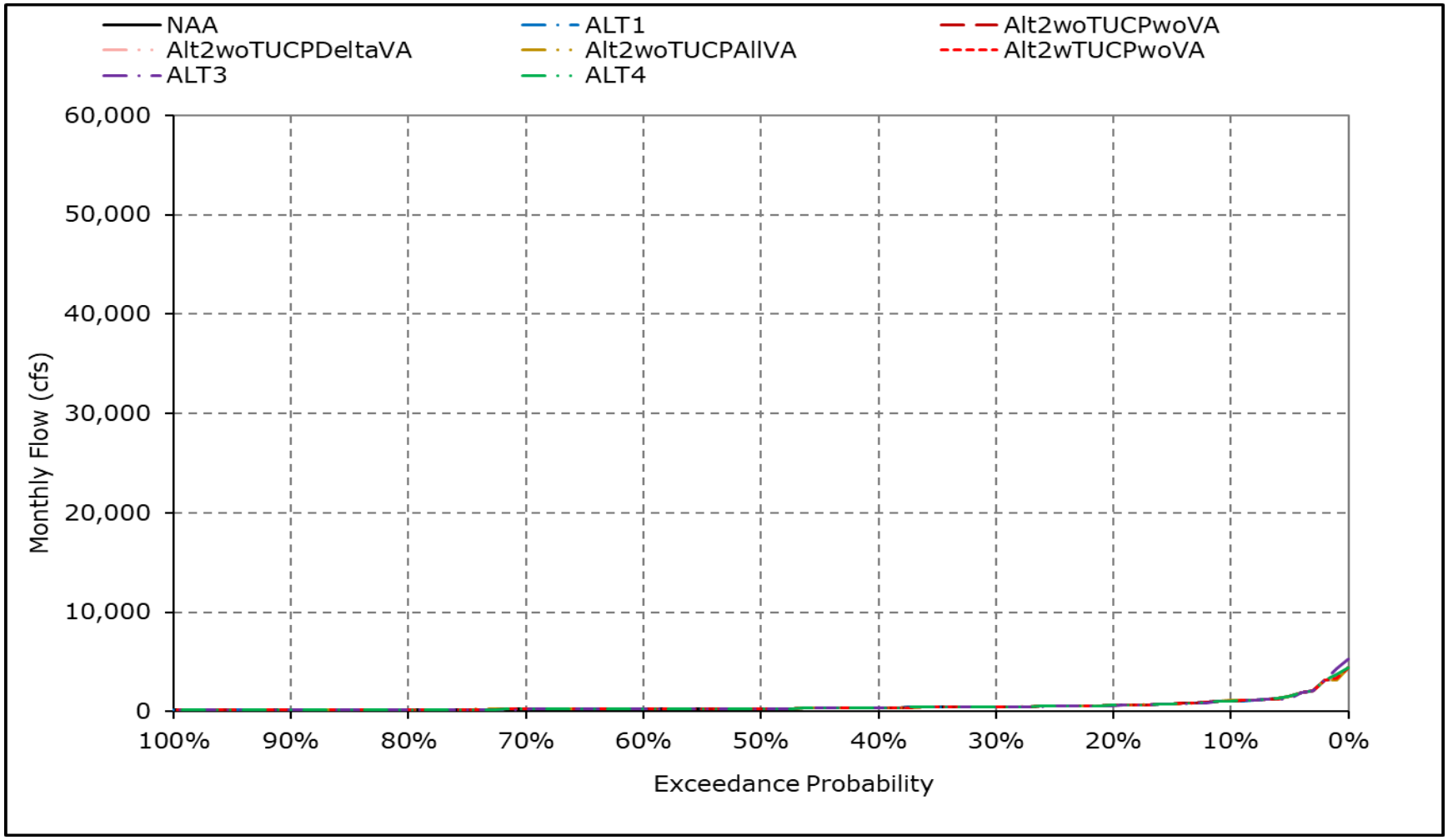
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-12. Yolo Bypass Flow, March



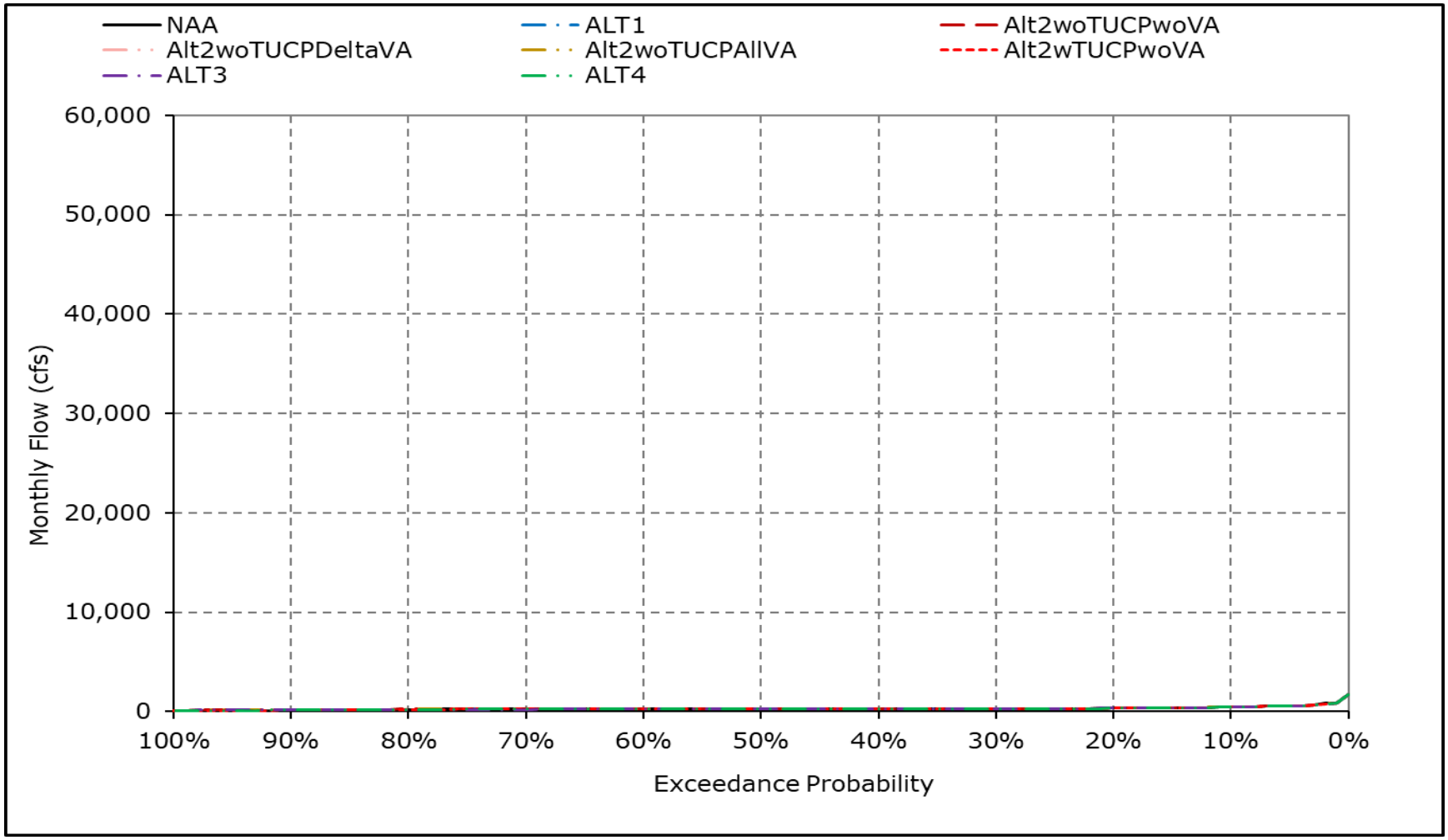
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-13. Yolo Bypass Flow, April



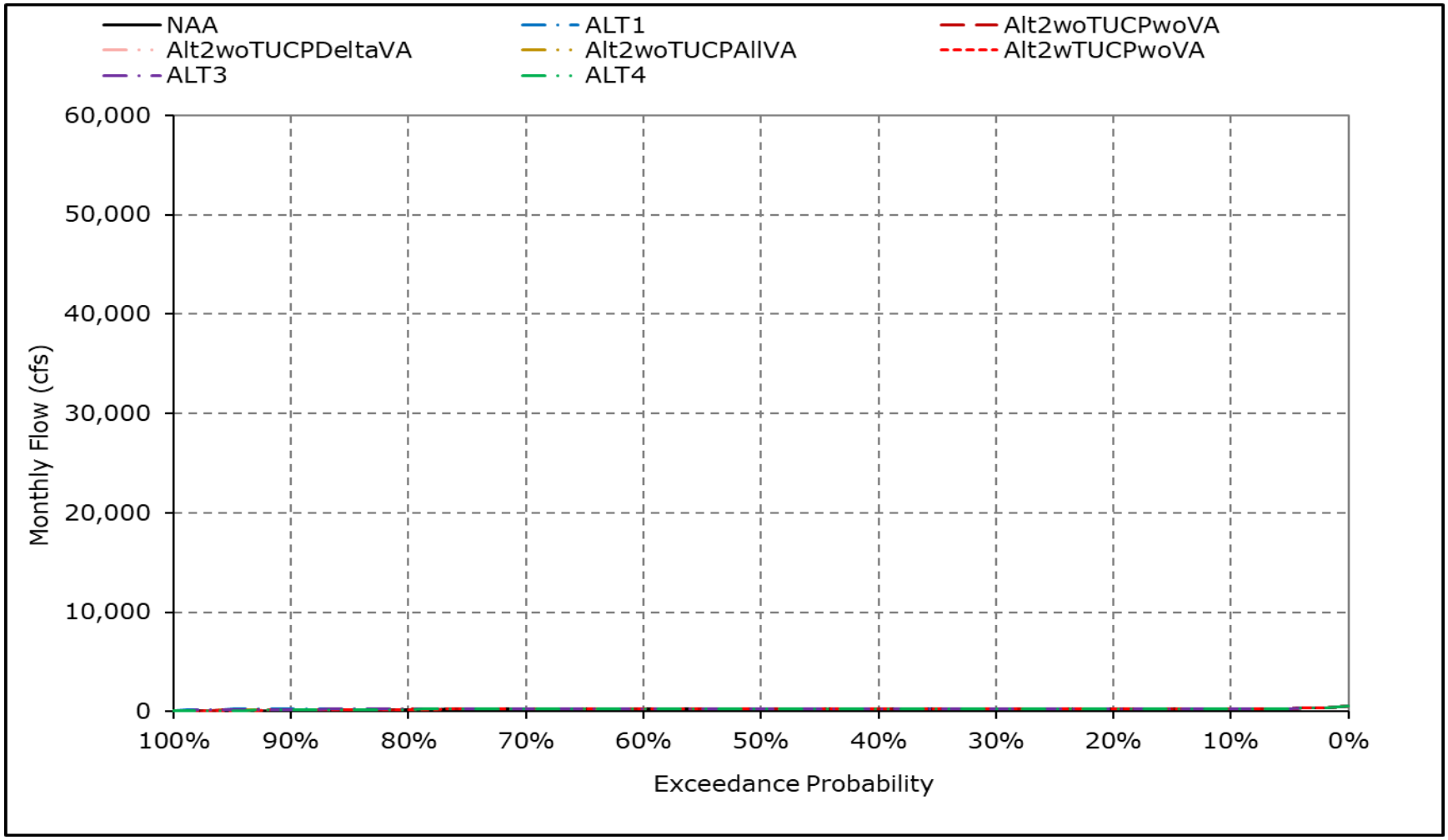
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-14. Yolo Bypass Flow, May



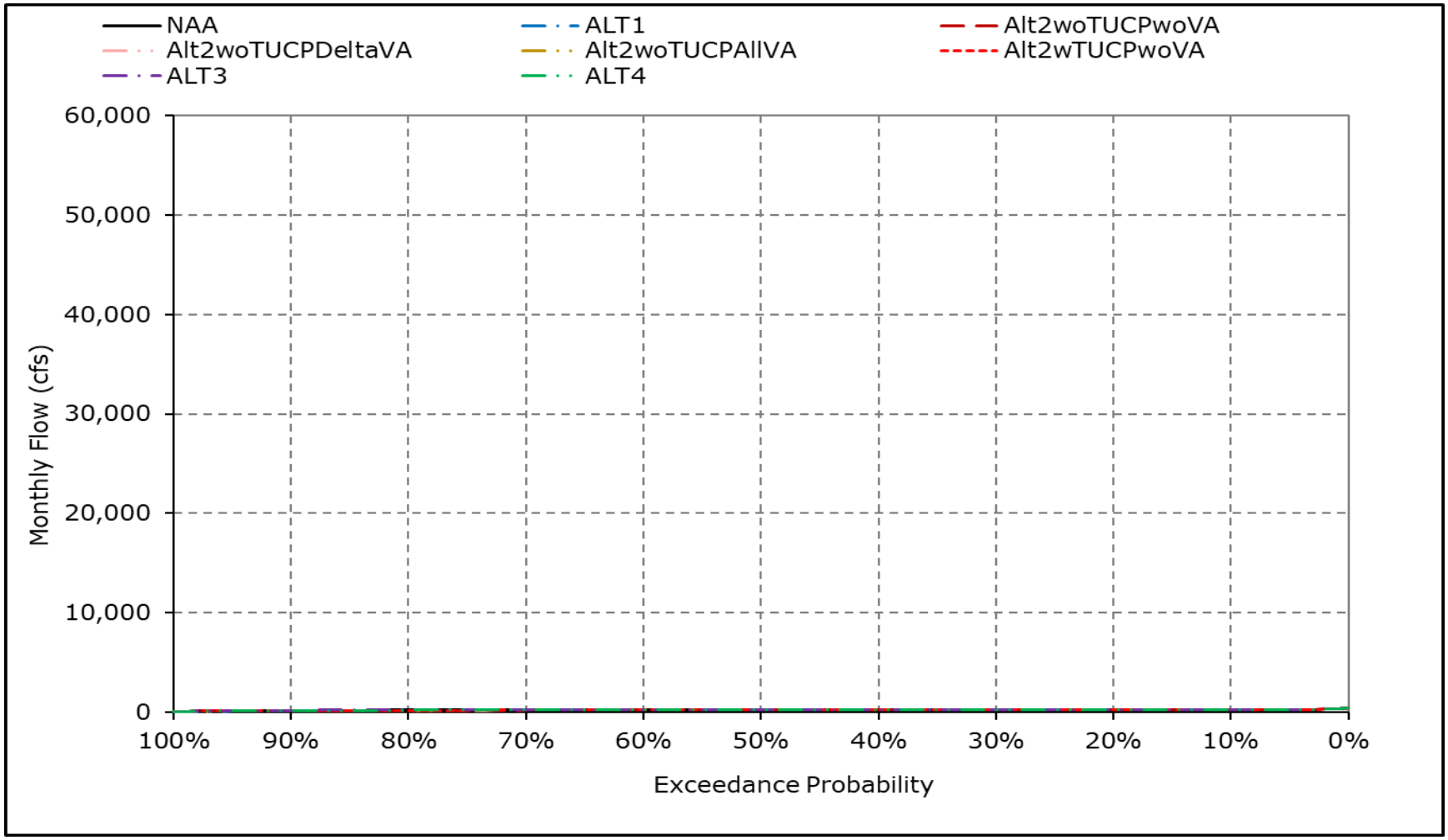
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-15. Yolo Bypass Flow, June



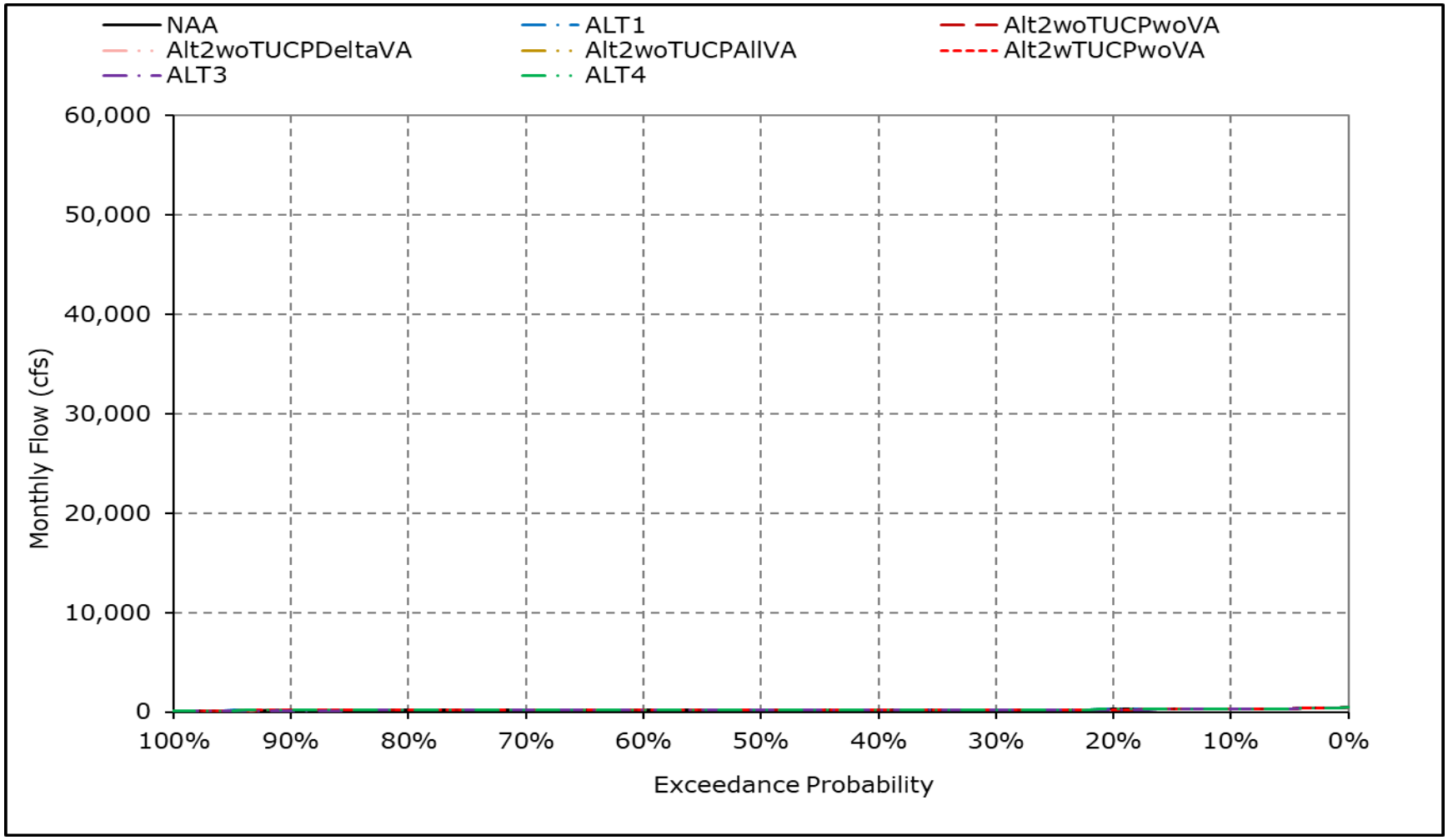
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-16. Yolo Bypass Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-17. Yolo Bypass Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-18. Yolo Bypass Flow, September

Table F.2.2-12-1a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-1b. American River below Nimbus Dam Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,743	4,960	11,361	12,936	13,809	9,781	7,836	8,390	5,223	4,120	3,549	2,757
20% Exceedance	2,422	3,808	5,606	9,544	11,006	5,615	5,979	5,858	4,572	3,822	2,877	2,292
30% Exceedance	2,031	3,164	3,529	6,350	7,718	4,638	4,320	4,273	3,922	3,537	2,475	2,090
40% Exceedance	1,772	2,326	2,866	4,090	6,161	3,328	3,452	3,133	3,718	3,253	2,263	1,895
50% Exceedance	1,561	1,526	2,263	2,803	4,526	2,753	3,094	2,697	3,328	3,078	2,032	1,409
60% Exceedance	1,070	787	1,846	2,244	3,168	1,685	2,406	2,184	2,766	2,863	1,847	826
70% Exceedance	629	589	1,439	1,505	2,633	1,160	1,699	1,518	2,490	2,703	1,720	575
80% Exceedance	569	556	594	918	2,117	478	845	1,263	2,092	2,326	1,558	509
90% Exceedance	484	454	549	367	1,427	301	360	663	1,407	1,874	1,113	469
Full Simulation Period Average[a]	1,568	2,399	4,065	5,446	6,616	3,846	3,756	3,581	3,297	3,078	2,173	1,491
Wet Water Years (28%)	2,057	4,044	4,732	11,839	12,283	7,635	6,754	6,338	4,085	3,102	2,634	2,321
Above Normal Water Years (14%)	1,942	1,997	3,850	6,859	7,598	4,809	3,350	3,394	3,698	3,777	1,999	1,917
Below Normal Water Years (18%)	1,461	1,399	4,325	3,082	4,795	2,299	2,872	3,027	3,648	3,676	2,420	1,600
Dry Water Years (24%)	1,369	2,402	5,107	1,826	4,060	1,832	2,155	2,660	2,812	3,139	1,824	729
Critical Water Years (16%)	732	928	1,053	1,115	1,719	1,134	2,259	927	1,900	1,659	1,766	689

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-1c. American River below Nimbus Dam Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	349	55	395	-2	0	-1	0	0	215	-1,324	235	-68
20% Exceedance	671	49	643	1,251	437	-49	-2	-149	632	-1,080	51	-271
30% Exceedance	452	262	283	342	381	0	277	49	650	-759	-161	72
40% Exceedance	272	-22	547	118	495	203	380	0	777	-590	-74	145
50% Exceedance	61	-474	263	71	557	247	1,084	279	607	-206	-127	-341
60% Exceedance	-430	-1,190	-154	529	101	-65	906	320	437	-73	-72	-902
70% Exceedance	-513	-737	-471	99	814	-430	429	18	577	171	-75	-1,067
80% Exceedance	-193	-485	-553	-482	641	-954	-324	-6	563	120	-117	-1,038
90% Exceedance	-134	-248	-139	-378	27	-652	-593	-394	402	144	-432	-447
Full Simulation Period Average[a]	68	-213	88	132	299	-176	205	-1	456	-362	-112	-377
Wet Water Years (28%)	187	-23	-121	211	0	-24	-49	-21	422	-530	-170	-193
Above Normal Water Years (14%)	49	-421	512	341	135	-156	55	70	387	-841	-261	-366
Below Normal Water Years (18%)	-117	-613	213	156	440	-482	51	80	870	-880	-29	-151
Dry Water Years (24%)	141	126	-60	158	863	-245	-17	168	214	229	-144	-800
Critical Water Years (16%)	-29	-420	143	-254	-40	-15	1,290	-375	475	46	78	-327

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-2a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-2b. American River below Nimbus Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,342	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,107	4,991	3,409	2,883
20% Exceedance	1,819	3,834	5,126	8,308	10,569	6,050	5,981	5,858	4,090	4,638	3,021	2,459
30% Exceedance	1,607	2,840	3,257	6,210	7,667	4,757	4,321	4,342	3,486	4,127	2,820	2,051
40% Exceedance	1,515	2,140	2,299	4,164	5,709	3,232	3,319	3,322	2,987	3,781	2,557	1,792
50% Exceedance	1,500	2,000	2,000	2,620	4,200	2,764	2,461	2,699	2,709	3,453	2,297	1,750
60% Exceedance	1,497	1,857	2,000	1,474	2,954	1,750	1,871	2,049	2,399	3,160	1,894	1,730
70% Exceedance	1,071	1,165	1,682	1,400	1,934	1,602	1,500	1,515	1,977	2,558	1,781	1,621
80% Exceedance	703	787	967	1,381	1,400	981	1,131	1,428	1,500	2,266	1,674	1,390
90% Exceedance	566	635	634	557	1,305	953	953	1,011	1,078	1,643	1,272	754
Full Simulation Period Average[a]	1,460	2,550	3,939	5,263	6,310	4,033	3,704	3,644	2,864	3,363	2,311	1,861
Wet Water Years (28%)	1,898	4,090	4,877	11,641	12,283	7,659	6,803	6,359	3,684	3,532	2,815	2,539
Above Normal Water Years (14%)	1,955	2,406	3,312	6,663	7,468	4,981	3,293	3,393	3,439	4,329	2,373	2,384
Below Normal Water Years (18%)	1,434	1,994	4,168	2,696	4,478	2,730	2,736	3,113	2,726	4,357	2,601	1,754
Dry Water Years (24%)	1,107	2,191	5,017	1,559	3,209	2,013	2,233	2,792	2,511	3,138	2,077	1,473
Critical Water Years (16%)	748	1,062	814	1,320	1,553	1,357	1,935	988	1,613	1,438	1,401	921

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-2c. American River below Nimbus Dam Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-52	0	-30	0	0	0	0	0	99	-453	95	59
20% Exceedance	68	74	164	15	1	387	0	-149	150	-264	195	-105
30% Exceedance	28	-61	12	202	330	118	279	118	214	-168	184	33
40% Exceedance	15	-208	-20	191	43	107	247	189	45	-61	219	42
50% Exceedance	0	0	0	-112	231	258	451	281	-12	169	139	0
60% Exceedance	-3	-120	0	-241	-113	0	371	186	70	225	-25	2
70% Exceedance	-71	-162	-228	-6	116	12	230	15	64	26	-14	-21
80% Exceedance	-60	-254	-179	-19	-76	-451	-38	159	-29	60	-1	-157
90% Exceedance	-51	-67	-54	-188	-95	0	0	-45	73	-87	-273	-162
Full Simulation Period Average[a]	-40	-62	-38	-51	-7	11	153	61	24	-77	26	-7
Wet Water Years (28%)	28	23	23	13	0	0	0	0	21	-99	11	25
Above Normal Water Years (14%)	62	-13	-27	145	5	16	-3	69	128	-289	114	101
Below Normal Water Years (18%)	-144	-17	56	-230	123	-51	-86	166	-52	-200	152	4
Dry Water Years (24%)	-121	-85	-150	-108	12	-64	61	301	-86	229	109	-57
Critical Water Years (16%)	-13	-286	-97	-48	-206	208	966	-314	187	-175	-288	-94

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-3a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-3b. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,279	4,903	10,939	12,928	13,808	9,775	7,823	8,371	4,967	5,074	3,444	2,833
20% Exceedance	1,724	3,833	5,021	8,093	10,567	6,041	6,001	5,886	3,969	4,620	3,051	2,370
30% Exceedance	1,577	3,217	3,252	5,999	7,443	4,750	4,311	4,317	3,409	4,090	2,748	2,013
40% Exceedance	1,500	2,422	2,143	4,223	5,684	3,226	3,361	3,210	3,063	3,775	2,511	1,754
50% Exceedance	1,500	2,000	2,000	2,618	4,174	2,766	2,442	2,542	2,734	3,477	2,261	1,750
60% Exceedance	1,497	1,847	2,000	1,400	2,887	1,750	1,708	1,880	2,412	3,149	1,924	1,727
70% Exceedance	991	1,165	1,619	1,400	1,817	1,592	1,493	1,500	2,012	2,418	1,758	1,623
80% Exceedance	691	800	998	1,302	1,400	981	1,027	1,323	1,500	2,211	1,710	1,406
90% Exceedance	561	635	636	505	1,305	953	953	1,011	1,082	1,639	1,286	756
Full Simulation Period Average[a]	1,433	2,559	3,926	5,226	6,297	4,036	3,660	3,587	2,866	3,373	2,326	1,846
Wet Water Years (28%)	1,875	4,111	4,855	11,631	12,287	7,654	6,796	6,347	3,641	3,543	2,783	2,503
Above Normal Water Years (14%)	1,910	2,397	3,303	6,553	7,481	4,964	3,260	3,337	3,384	4,439	2,298	2,340
Below Normal Water Years (18%)	1,405	2,070	4,135	2,641	4,405	2,734	2,747	2,999	2,748	4,281	2,652	1,740
Dry Water Years (24%)	1,106	2,108	5,038	1,558	3,192	2,044	2,187	2,681	2,545	3,123	2,117	1,483
Critical Water Years (16%)	686	1,130	788	1,267	1,567	1,345	1,760	993	1,672	1,497	1,494	928

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-3c. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-115	-2	-27	-10	-1	-7	-13	-20	-41	-370	130	8
20% Exceedance	-27	73	58	-199	-1	378	21	-121	29	-281	225	-194
30% Exceedance	-2	315	7	-9	106	111	269	93	136	-206	112	-5
40% Exceedance	0	74	-176	250	18	101	289	77	121	-68	174	4
50% Exceedance	0	0	0	-114	204	261	431	124	12	193	103	0
60% Exceedance	-3	-130	0	-315	-180	0	208	16	83	214	5	-1
70% Exceedance	-151	-162	-292	-6	-1	2	223	0	100	-114	-37	-19
80% Exceedance	-71	-241	-149	-98	-76	-451	-142	54	-29	5	35	-142
90% Exceedance	-56	-67	-53	-240	-95	0	0	-45	77	-90	-260	-161
Full Simulation Period Average[a]	-67	-53	-50	-88	-20	14	110	4	25	-67	41	-22
Wet Water Years (28%)	4	44	1	3	3	-5	-8	-11	-22	-89	-21	-11
Above Normal Water Years (14%)	17	-21	-35	35	18	0	-35	13	73	-179	39	58
Below Normal Water Years (18%)	-173	58	23	-285	49	-46	-74	52	-30	-275	203	-10
Dry Water Years (24%)	-121	-168	-130	-109	-6	-33	15	189	-52	213	149	-46
Critical Water Years (16%)	-75	-217	-122	-101	-192	196	790	-309	246	-116	-195	-87

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-4a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-4b. American River below Nimbus Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,366	4,930	11,176	12,904	13,806	9,774	7,839	8,382	4,964	5,311	3,355	2,846
20% Exceedance	1,714	3,884	4,868	8,624	10,578	6,146	6,012	6,009	3,910	4,492	2,929	2,428
30% Exceedance	1,582	3,020	3,230	6,109	7,443	4,782	4,472	4,157	3,417	4,070	2,685	1,862
40% Exceedance	1,500	2,290	2,139	4,083	5,687	3,265	3,484	3,145	3,051	3,734	2,353	1,750
50% Exceedance	1,500	2,000	2,000	2,621	4,173	2,892	2,600	2,546	2,793	3,372	2,132	1,733
60% Exceedance	1,478	1,866	2,000	1,400	2,988	1,800	1,842	1,873	2,405	2,897	1,932	1,716
70% Exceedance	1,068	1,165	1,669	1,400	1,753	1,677	1,499	1,554	2,013	2,422	1,750	1,636
80% Exceedance	703	838	945	1,232	1,400	1,082	1,187	1,372	1,510	2,104	1,587	1,503
90% Exceedance	566	635	634	500	1,296	1,032	1,074	1,121	1,119	1,600	1,248	754
Full Simulation Period Average[a]	1,461	2,588	3,931	5,240	6,319	4,105	3,757	3,613	2,879	3,321	2,247	1,843
Wet Water Years (28%)	1,888	4,104	4,839	11,590	12,293	7,675	6,809	6,333	3,651	3,534	2,773	2,520
Above Normal Water Years (14%)	1,923	2,397	3,325	6,842	7,505	5,029	3,325	3,366	3,406	4,308	2,257	2,229
Below Normal Water Years (18%)	1,509	2,023	4,128	2,672	4,367	2,826	2,825	2,962	2,793	4,327	2,451	1,766
Dry Water Years (24%)	1,096	2,309	5,057	1,565	3,282	2,148	2,275	2,745	2,547	2,956	2,077	1,468
Critical Water Years (16%)	729	1,076	803	1,127	1,579	1,425	2,064	1,099	1,660	1,502	1,345	972

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-4c. American River below Nimbus Dam Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-28	24	210	-34	-3	-7	3	-9	-44	-133	40	21
20% Exceedance	-37	124	-94	331	10	483	31	2	-30	-409	104	-136
30% Exceedance	3	119	-15	100	106	143	429	-67	145	-226	49	-156
40% Exceedance	0	-58	-181	111	20	140	412	12	109	-108	16	0
50% Exceedance	0	0	0	-111	204	387	590	128	71	88	-26	-17
60% Exceedance	-22	-111	0	-315	-80	50	342	10	76	-39	13	-12
70% Exceedance	-74	-162	-241	-6	-66	87	229	54	101	-109	-45	-6
80% Exceedance	-60	-203	-202	-168	-76	-350	18	103	-19	-102	-88	-44
90% Exceedance	-51	-67	-54	-245	-104	79	121	65	113	-130	-297	-162
Full Simulation Period Average[a]	-39	-24	-46	-74	2	83	206	30	38	-119	-38	-25
Wet Water Years (28%)	18	38	-15	-38	10	16	6	-25	-12	-97	-31	6
Above Normal Water Years (14%)	31	-22	-14	323	42	64	30	42	95	-310	-3	-54
Below Normal Water Years (18%)	-69	11	16	-254	12	45	4	16	15	-229	2	15
Dry Water Years (24%)	-131	33	-110	-102	85	71	103	253	-50	46	109	-62
Critical Water Years (16%)	-32	-272	-108	-241	-180	276	1,094	-204	235	-111	-343	-44

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-5a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-5b. American River below Nimbus Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,336	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,110	4,890	3,409	2,884
20% Exceedance	1,835	3,833	5,126	8,716	10,569	6,050	5,981	6,014	4,005	4,650	3,022	2,395
30% Exceedance	1,614	2,971	3,259	6,210	7,330	4,639	4,042	4,428	3,334	4,125	2,759	2,021
40% Exceedance	1,506	2,172	2,443	4,167	5,710	3,125	3,214	3,333	2,951	3,799	2,558	1,767
50% Exceedance	1,500	2,000	2,000	2,649	4,201	2,519	2,161	2,769	2,658	3,472	2,323	1,750
60% Exceedance	1,469	1,873	2,000	1,523	3,036	1,750	1,500	2,060	2,339	3,246	1,944	1,731
70% Exceedance	991	1,175	1,793	1,400	2,076	1,591	1,198	1,560	1,871	2,593	1,804	1,621
80% Exceedance	703	818	1,159	1,400	1,400	953	953	1,490	1,500	2,262	1,744	1,416
90% Exceedance	620	646	646	557	1,305	953	921	1,006	1,033	1,729	1,455	754
Full Simulation Period Average[a]	1,464	2,570	3,997	5,298	6,329	3,976	3,539	3,695	2,816	3,401	2,344	1,855
Wet Water Years (28%)	1,898	4,091	4,877	11,641	12,283	7,659	6,803	6,359	3,683	3,534	2,813	2,539
Above Normal Water Years (14%)	1,947	2,387	3,311	6,763	7,468	4,981	3,292	3,393	3,445	4,323	2,412	2,369
Below Normal Water Years (18%)	1,479	1,975	4,178	2,828	4,533	2,730	2,770	3,120	2,724	4,315	2,636	1,731
Dry Water Years (24%)	1,107	2,170	5,017	1,559	3,225	2,009	2,214	2,794	2,513	3,153	2,077	1,473
Critical Water Years (16%)	724	1,267	1,193	1,302	1,590	1,004	892	1,296	1,304	1,705	1,540	925

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-5c. American River below Nimbus Dam Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-58	0	-30	0	0	0	0	0	102	-555	95	59
20% Exceedance	84	74	164	423	1	387	0	7	65	-252	196	-168
30% Exceedance	35	69	13	202	-7	0	0	205	62	-171	124	3
40% Exceedance	6	-176	124	194	44	0	143	200	9	-44	220	17
50% Exceedance	0	0	0	-82	232	13	151	351	-64	188	165	0
60% Exceedance	-31	-104	0	-192	-32	0	0	196	10	310	25	3
70% Exceedance	-151	-151	-117	-6	257	2	-72	60	-42	62	9	-21
80% Exceedance	-60	-223	12	0	-76	-479	-216	221	-29	56	70	-132
90% Exceedance	3	-56	-43	-188	-95	0	-32	-51	28	0	-90	-162
Full Simulation Period Average[a]	-36	-42	21	-16	12	-46	-12	113	-25	-39	59	-13
Wet Water Years (28%)	27	25	23	13	0	0	0	0	20	-97	8	25
Above Normal Water Years (14%)	54	-32	-28	244	5	16	-3	69	134	-295	153	86
Below Normal Water Years (18%)	-99	-37	66	-98	178	-51	-52	174	-55	-242	186	-20
Dry Water Years (24%)	-120	-106	-150	-108	27	-68	42	302	-84	244	109	-57
Critical Water Years (16%)	-37	-80	283	-66	-169	-145	-78	-6	-121	92	-149	-91

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-6a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-6b. American River below Nimbus Dam Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,204	4,905	11,361	12,936	13,824	9,791	7,803	8,147	3,746	4,690	3,743	2,645
20% Exceedance	1,751	3,772	5,206	8,108	10,577	6,061	5,979	5,315	2,858	3,930	3,300	2,345
30% Exceedance	1,576	2,897	3,443	6,130	7,731	4,646	4,486	4,045	2,288	3,582	2,929	2,027
40% Exceedance	1,500	2,078	2,558	4,097	5,889	3,511	3,932	3,137	1,890	3,326	2,765	1,792
50% Exceedance	1,500	2,000	2,000	2,468	4,246	2,883	3,361	2,306	1,534	3,114	2,555	1,750
60% Exceedance	1,478	1,991	2,000	1,786	3,089	2,419	2,690	1,850	1,500	2,822	2,460	1,750
70% Exceedance	1,040	1,341	2,000	1,530	1,908	1,868	2,366	1,525	1,298	2,263	2,011	1,642
80% Exceedance	720	889	1,414	1,400	1,640	1,647	1,665	1,407	1,051	1,910	1,744	1,548
90% Exceedance	602	689	896	1,134	1,400	1,411	1,210	1,202	830	1,620	1,556	945
Full Simulation Period Average[a]	1,461	2,610	4,158	5,354	6,398	4,267	4,120	3,541	2,072	3,026	2,523	1,830
Wet Water Years (28%)	1,882	4,119	4,884	11,686	12,311	7,762	7,044	6,375	3,216	3,657	2,855	2,344
Above Normal Water Years (14%)	1,867	2,585	3,483	6,561	7,526	5,268	4,210	3,506	1,913	3,604	2,808	2,162
Below Normal Water Years (18%)	1,501	1,999	4,498	2,904	4,439	3,367	3,736	2,767	1,663	3,203	2,843	1,881
Dry Water Years (24%)	1,149	2,356	5,157	1,810	3,421	2,199	2,831	2,316	1,713	2,760	2,426	1,542
Critical Water Years (16%)	719	956	1,474	1,292	1,735	1,388	1,288	1,318	1,210	1,615	1,479	1,019

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-6c. American River below Nimbus Dam Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-189	-1	395	-2	15	9	-33	-243	-1,262	-754	429	-180
20% Exceedance	0	12	244	-185	9	398	-2	-693	-1,083	-972	474	-219
30% Exceedance	-3	-5	197	122	394	7	444	-179	-985	-713	293	10
40% Exceedance	0	-270	238	125	223	386	860	4	-1,052	-516	428	42
50% Exceedance	0	0	0	-264	276	378	1,351	-112	-1,188	-170	397	0
60% Exceedance	-22	14	0	71	22	669	1,190	-13	-829	-113	541	22
70% Exceedance	-102	14	90	124	89	278	1,095	25	-615	-269	216	0
80% Exceedance	-42	-152	267	0	164	215	496	137	-478	-296	69	0
90% Exceedance	-15	-13	207	389	0	458	257	145	-175	-110	11	28
Full Simulation Period Average[a]	-39	-2	182	40	82	244	569	-42	-769	-414	238	-38
Wet Water Years (28%)	12	52	30	58	28	103	240	16	-448	25	51	-170
Above Normal Water Years (14%)	-25	167	144	43	64	303	915	182	-1,398	-1,014	549	-121
Below Normal Water Years (18%)	-77	-13	386	-23	84	586	914	-180	-1,115	-1,354	393	131
Dry Water Years (24%)	-78	80	-10	143	224	122	659	-176	-885	-149	458	12
Critical Water Years (16%)	-42	-392	564	-76	-25	239	319	16	-215	2	-210	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-7a. American River below Nimbus Dam Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,394	4,906	10,966	12,938	13,809	9,782	7,836	8,391	5,008	5,444	3,314	2,825
20% Exceedance	1,751	3,760	4,962	8,293	10,568	5,664	5,981	6,007	3,940	4,902	2,826	2,564
30% Exceedance	1,579	2,901	3,245	6,008	7,337	4,639	4,042	4,224	3,273	4,296	2,636	2,018
40% Exceedance	1,500	2,348	2,319	3,972	5,666	3,125	3,072	3,133	2,942	3,843	2,337	1,750
50% Exceedance	1,500	2,000	2,000	2,732	3,969	2,505	2,010	2,418	2,722	3,283	2,158	1,750
60% Exceedance	1,500	1,977	2,000	1,715	3,067	1,750	1,500	1,864	2,329	2,935	1,919	1,728
70% Exceedance	1,142	1,327	1,910	1,406	1,819	1,590	1,270	1,500	1,913	2,532	1,795	1,642
80% Exceedance	762	1,040	1,147	1,400	1,476	1,432	1,169	1,269	1,529	2,206	1,675	1,548
90% Exceedance	617	702	689	745	1,400	953	953	1,056	1,005	1,730	1,545	917
Full Simulation Period Average[a]	1,500	2,612	3,977	5,314	6,317	4,022	3,551	3,583	2,841	3,440	2,285	1,868
Wet Water Years (28%)	1,870	4,067	4,854	11,628	12,283	7,659	6,803	6,359	3,663	3,631	2,804	2,514
Above Normal Water Years (14%)	1,893	2,418	3,339	6,518	7,463	4,965	3,295	3,324	3,311	4,618	2,260	2,283
Below Normal Water Years (18%)	1,578	2,012	4,112	2,926	4,355	2,781	2,822	2,947	2,778	4,557	2,449	1,750
Dry Water Years (24%)	1,227	2,276	5,167	1,667	3,197	2,077	2,172	2,492	2,598	2,910	1,968	1,529
Critical Water Years (16%)	761	1,347	911	1,368	1,759	1,149	970	1,302	1,425	1,613	1,689	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-7b. American River below Nimbus Dam Flow, Alternative 4, Monthly Flow (cfs)

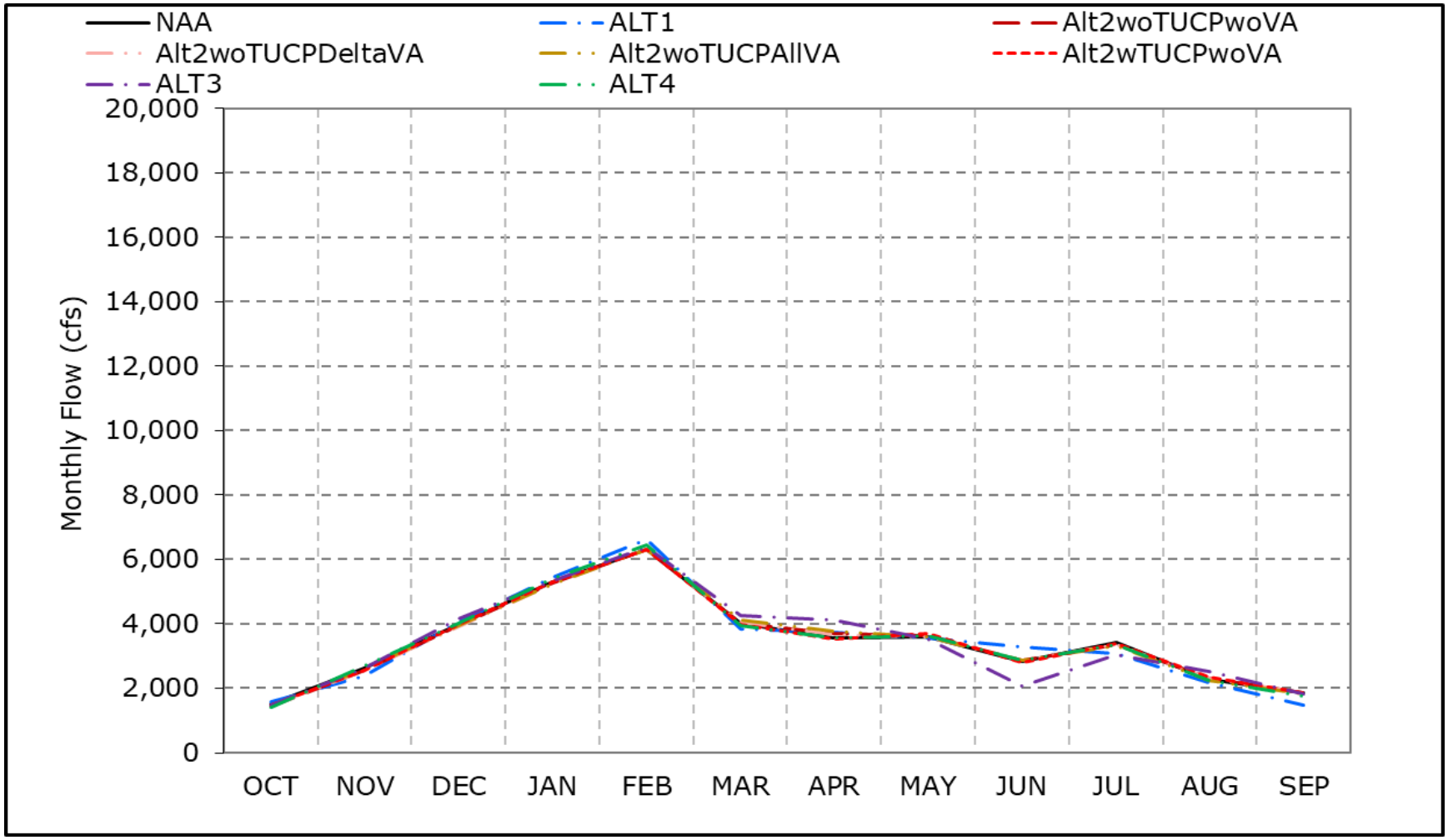
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,217	4,905	11,361	12,939	13,809	9,782	7,836	8,391	5,003	5,110	3,364	2,413
20% Exceedance	1,749	3,993	5,209	8,603	11,005	6,051	5,981	5,999	3,983	4,387	2,762	2,019
30% Exceedance	1,561	3,485	3,474	6,266	7,551	4,639	4,187	4,274	3,254	4,025	2,478	1,813
40% Exceedance	1,500	2,614	2,799	4,110	5,894	3,126	3,289	3,133	2,974	3,679	2,283	1,750
50% Exceedance	1,500	1,956	2,093	2,946	4,327	2,518	2,473	2,543	2,705	3,455	2,046	1,750
60% Exceedance	1,256	1,500	1,503	1,770	3,393	1,757	1,500	2,039	2,340	3,070	1,887	1,706
70% Exceedance	915	1,389	1,500	1,343	2,429	1,439	1,275	1,572	2,035	2,697	1,791	1,621
80% Exceedance	703	870	979	1,050	1,606	933	964	1,430	1,622	2,324	1,720	1,416
90% Exceedance	610	658	653	732	1,050	675	745	931	1,103	1,808	1,535	775
Full Simulation Period Average[a]	1,417	2,690	4,006	5,400	6,461	3,932	3,567	3,618	2,853	3,369	2,233	1,747
Wet Water Years (28%)	1,869	4,254	4,842	11,699	12,284	7,675	6,790	6,359	3,681	3,443	2,753	2,299
Above Normal Water Years (14%)	1,708	2,640	3,468	6,704	7,607	4,979	3,296	3,338	3,347	4,321	2,153	1,907
Below Normal Water Years (18%)	1,473	1,880	4,144	3,083	4,639	2,652	2,815	3,023	2,882	4,347	2,403	1,817
Dry Water Years (24%)	1,112	2,355	5,122	1,648	3,563	1,945	2,311	2,627	2,548	3,014	2,014	1,491
Critical Water Years (16%)	704	1,330	1,029	1,469	1,663	884	894	1,221	1,396	1,838	1,529	945

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-12-7c. American River below Nimbus Dam Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

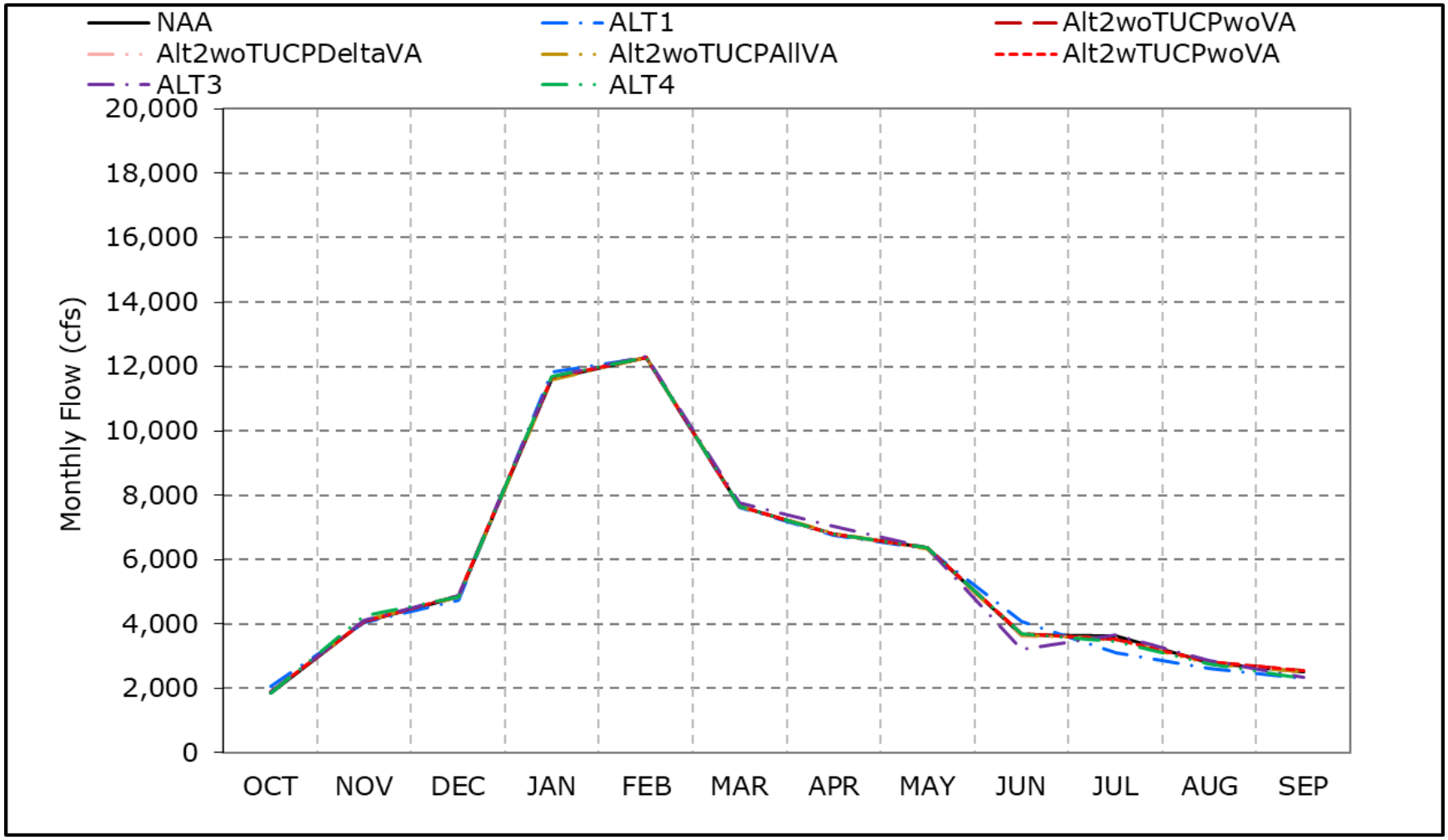
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-177	0	395	1	0	0	0	0	-4	-334	50	-412
20% Exceedance	-2	233	247	311	437	387	0	-8	43	-515	-63	-545
30% Exceedance	-18	583	229	258	214	0	144	50	-19	-270	-158	-205
40% Exceedance	0	265	480	138	228	0	217	0	33	-164	-54	0
50% Exceedance	0	-44	93	215	358	13	462	125	-17	172	-113	0
60% Exceedance	-244	-477	-497	55	326	7	0	175	12	135	-32	-22
70% Exceedance	-227	63	-410	-63	610	-151	5	72	123	165	-4	-21
80% Exceedance	-60	-170	-168	-350	130	-499	-205	161	93	118	45	-132
90% Exceedance	-7	-44	-35	-13	-350	-278	-208	-126	98	78	-10	-142
Full Simulation Period Average[a]	-83	78	29	86	144	-91	16	35	12	-71	-52	-121
Wet Water Years (28%)	-1	188	-12	71	0	16	-14	0	18	-188	-51	-215
Above Normal Water Years (14%)	-185	222	130	186	144	15	1	14	36	-298	-106	-376
Below Normal Water Years (18%)	-105	-132	32	157	284	-129	-7	76	104	-210	-46	66
Dry Water Years (24%)	-115	78	-45	-19	366	-132	139	135	-50	104	46	-39
Critical Water Years (16%)	-57	-18	119	101	-96	-265	-76	-81	-30	224	-159	-70

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



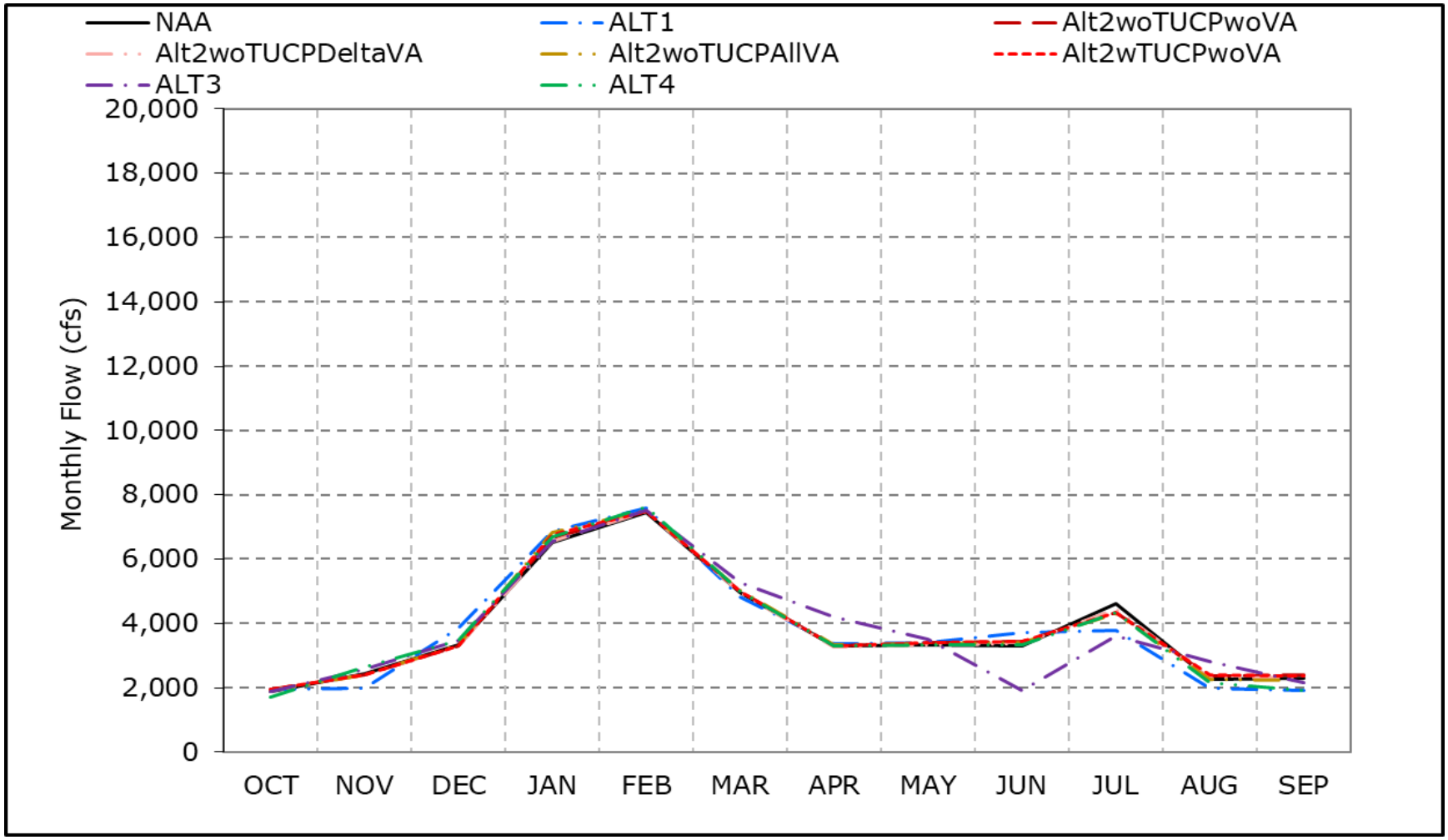
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-1. American River below Nimbus Dam Flow, Long-Term Average Flow



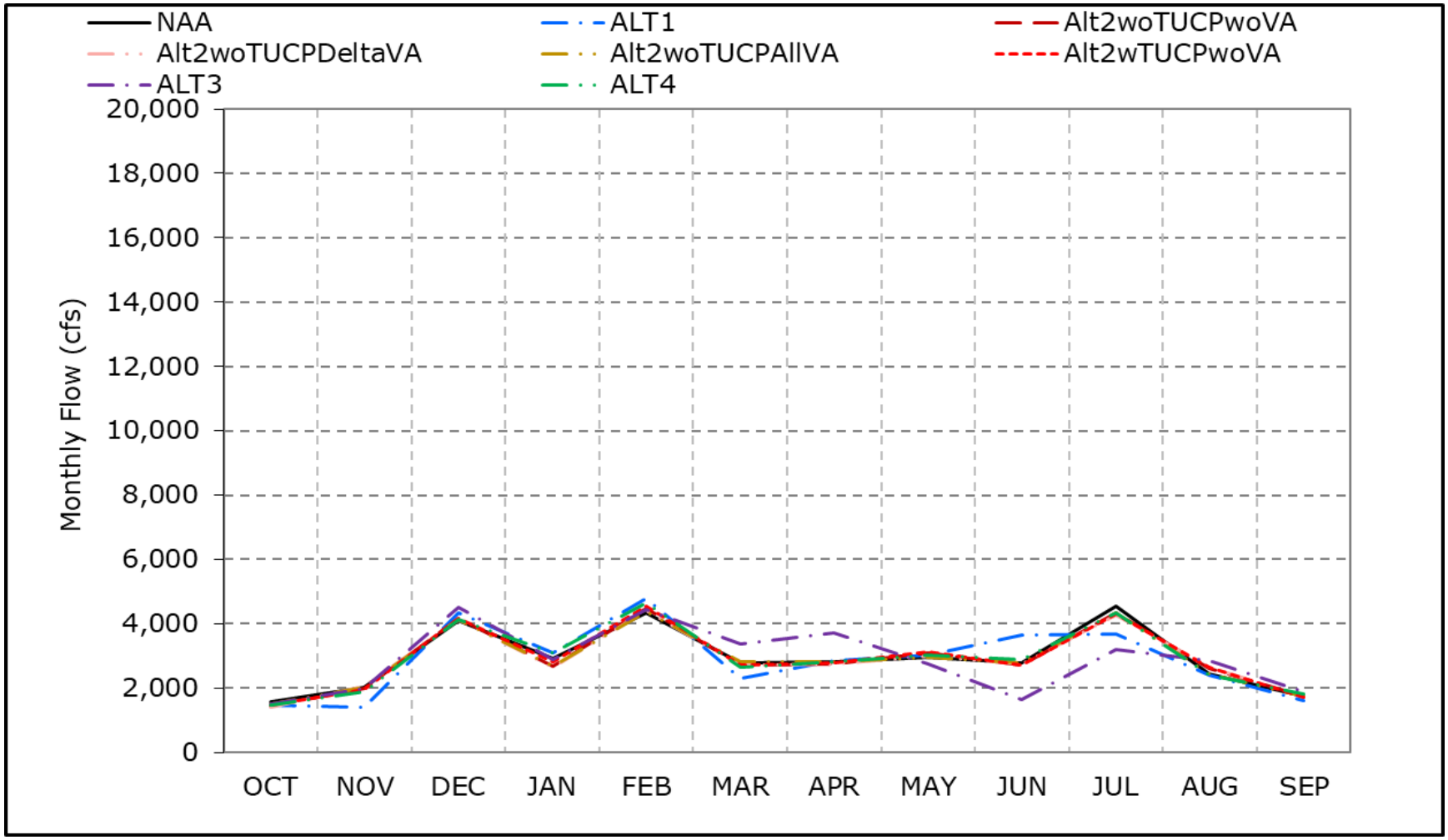
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-2. American River below Nimbus Dam Flow, Wet Year Average Flow



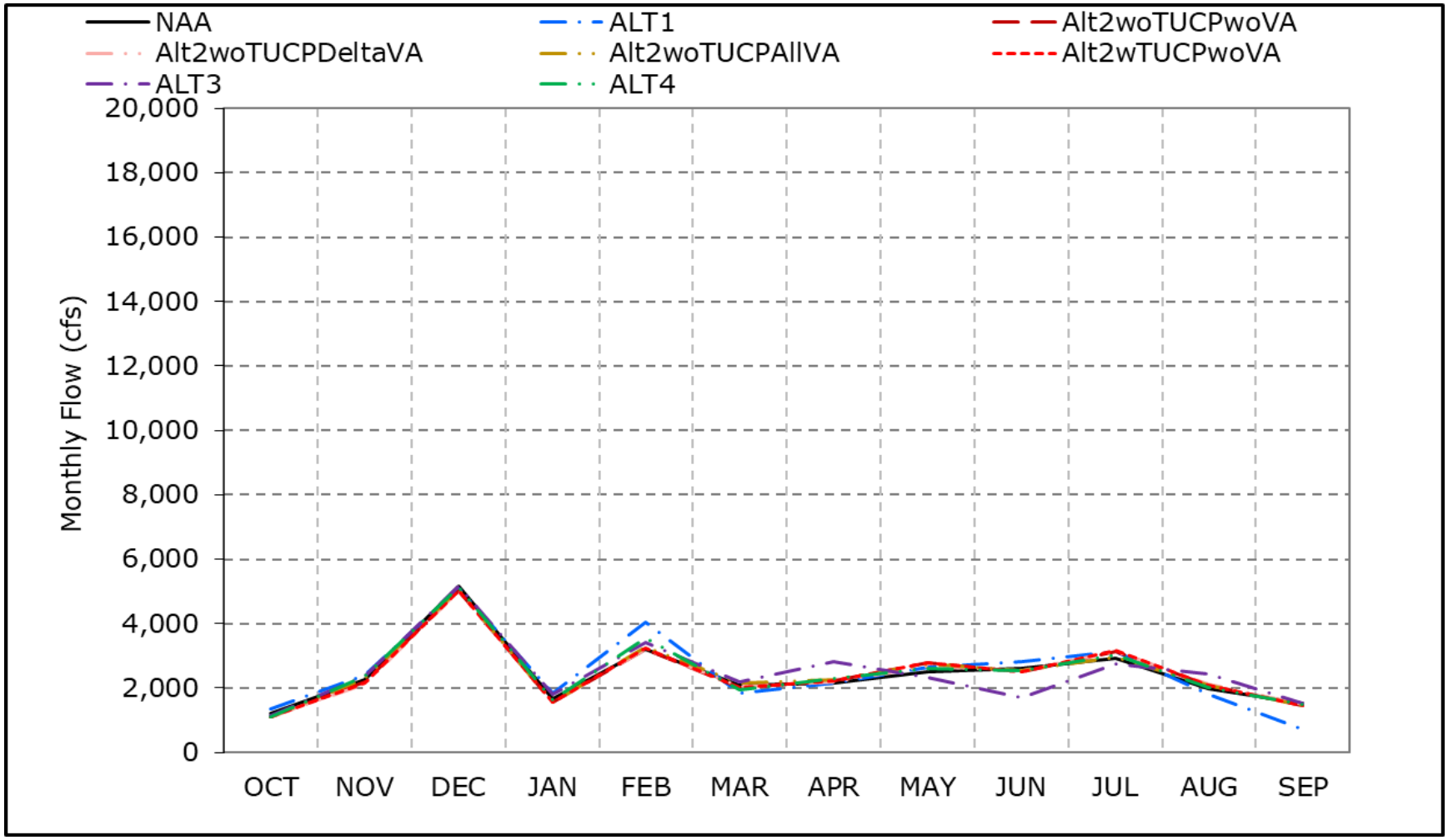
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-3. American River below Nimbus Dam Flow, Above Normal Year Average Flow



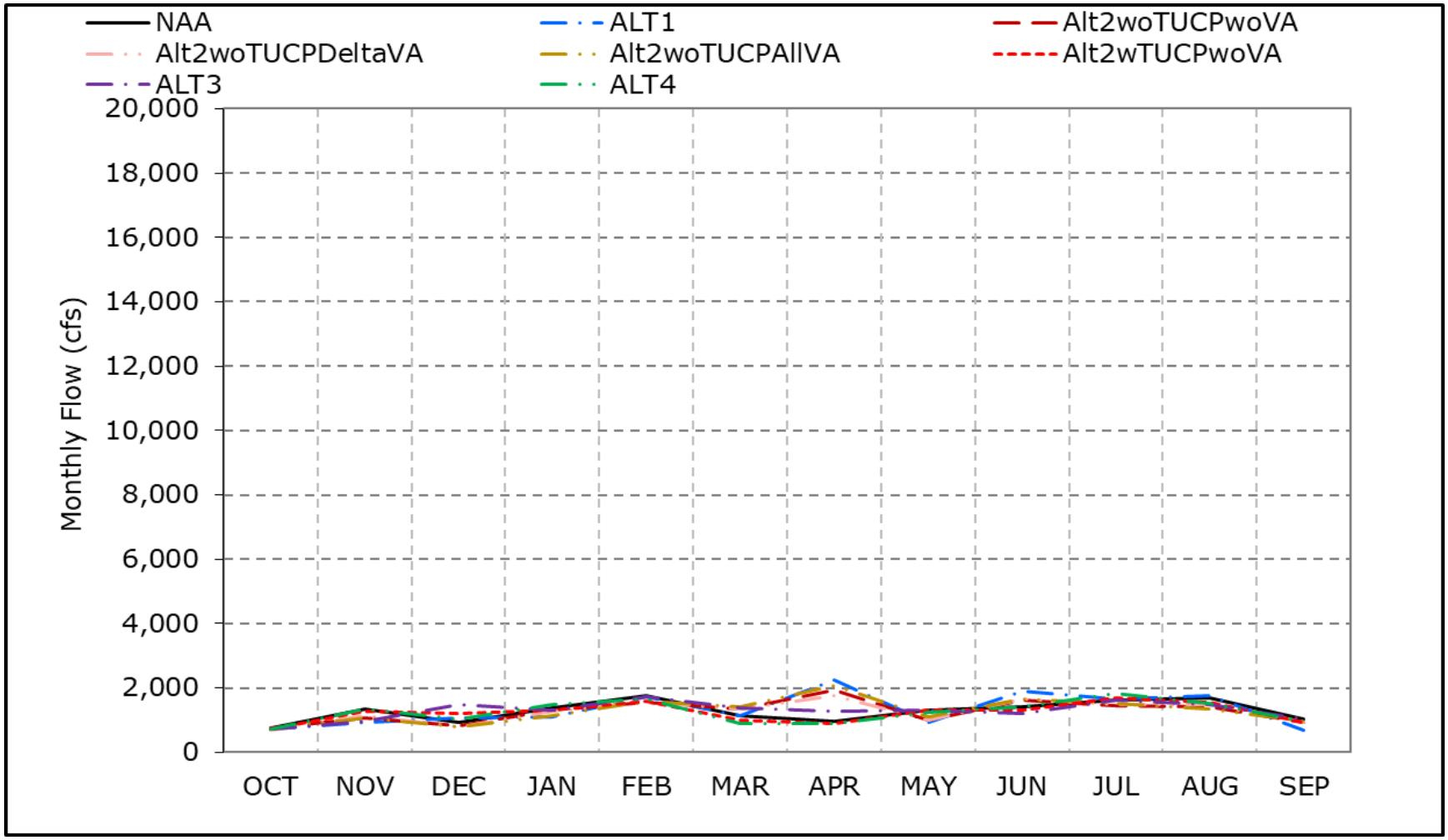
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-4. American River below Nimbus Dam Flow, Below Normal Year Average Flow



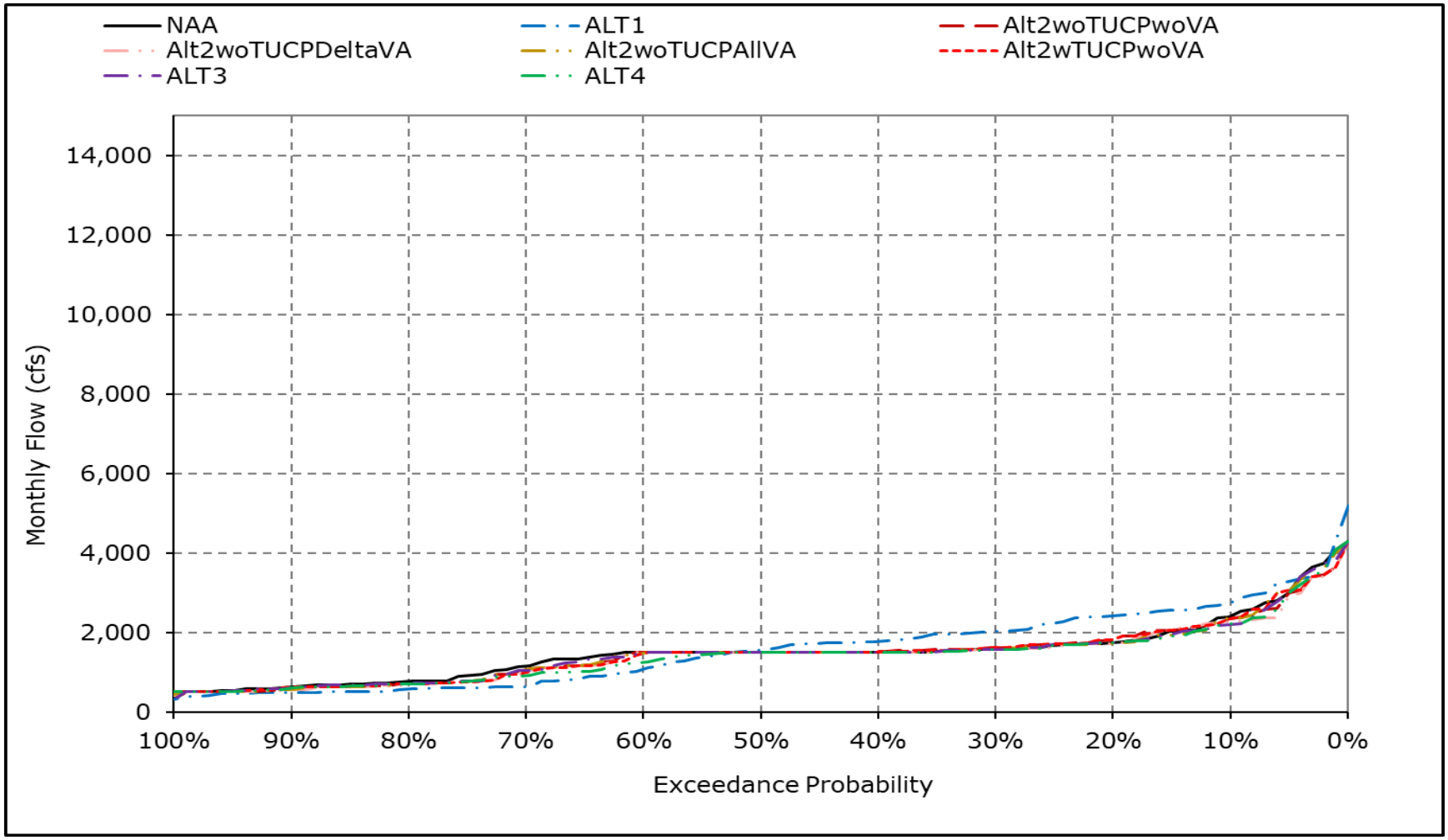
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-5. American River below Nimbus Dam Flow, Dry Year Average Flow



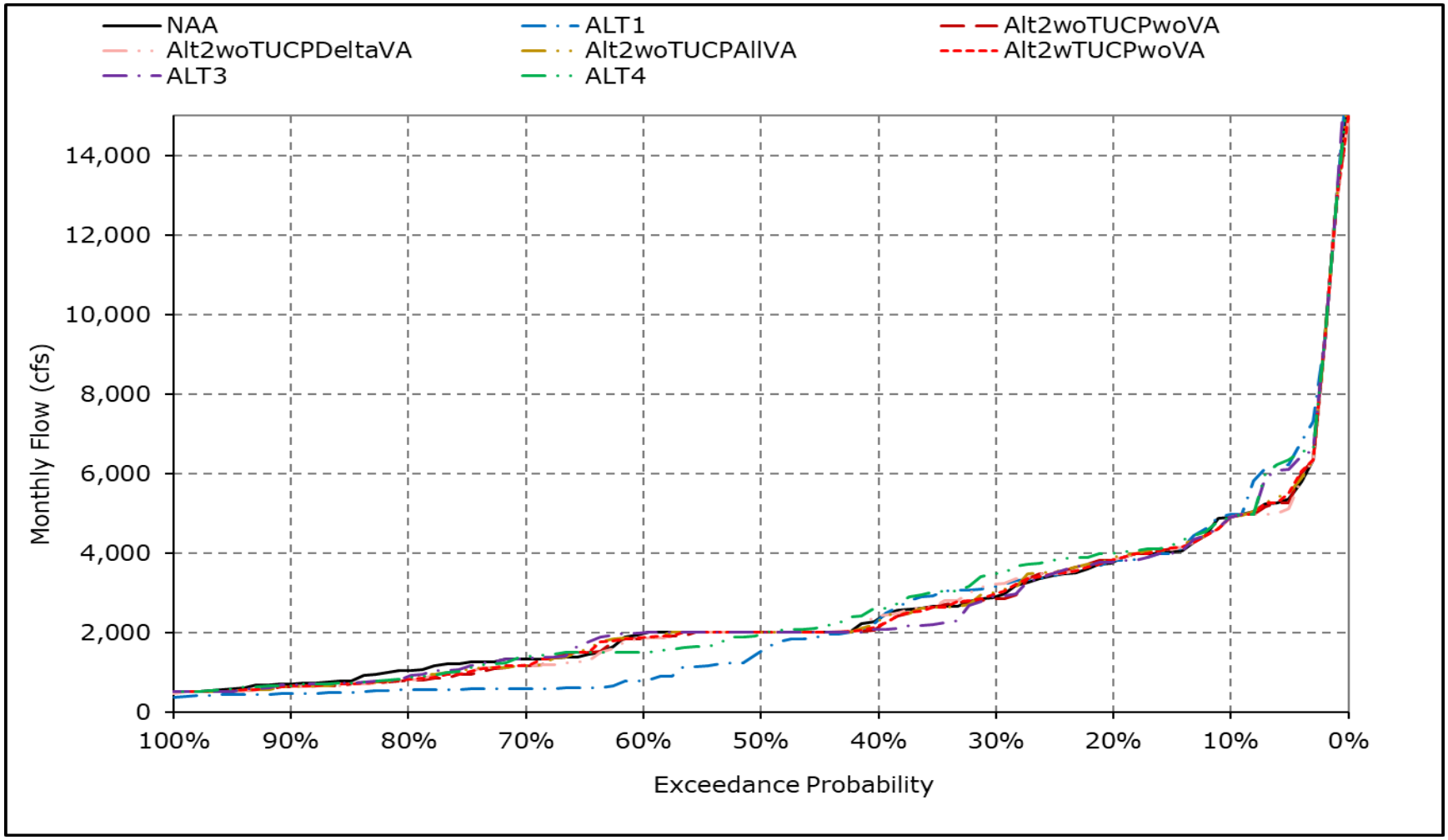
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-6. American River below Nimbus Dam Flow, Critical Year Average Flow



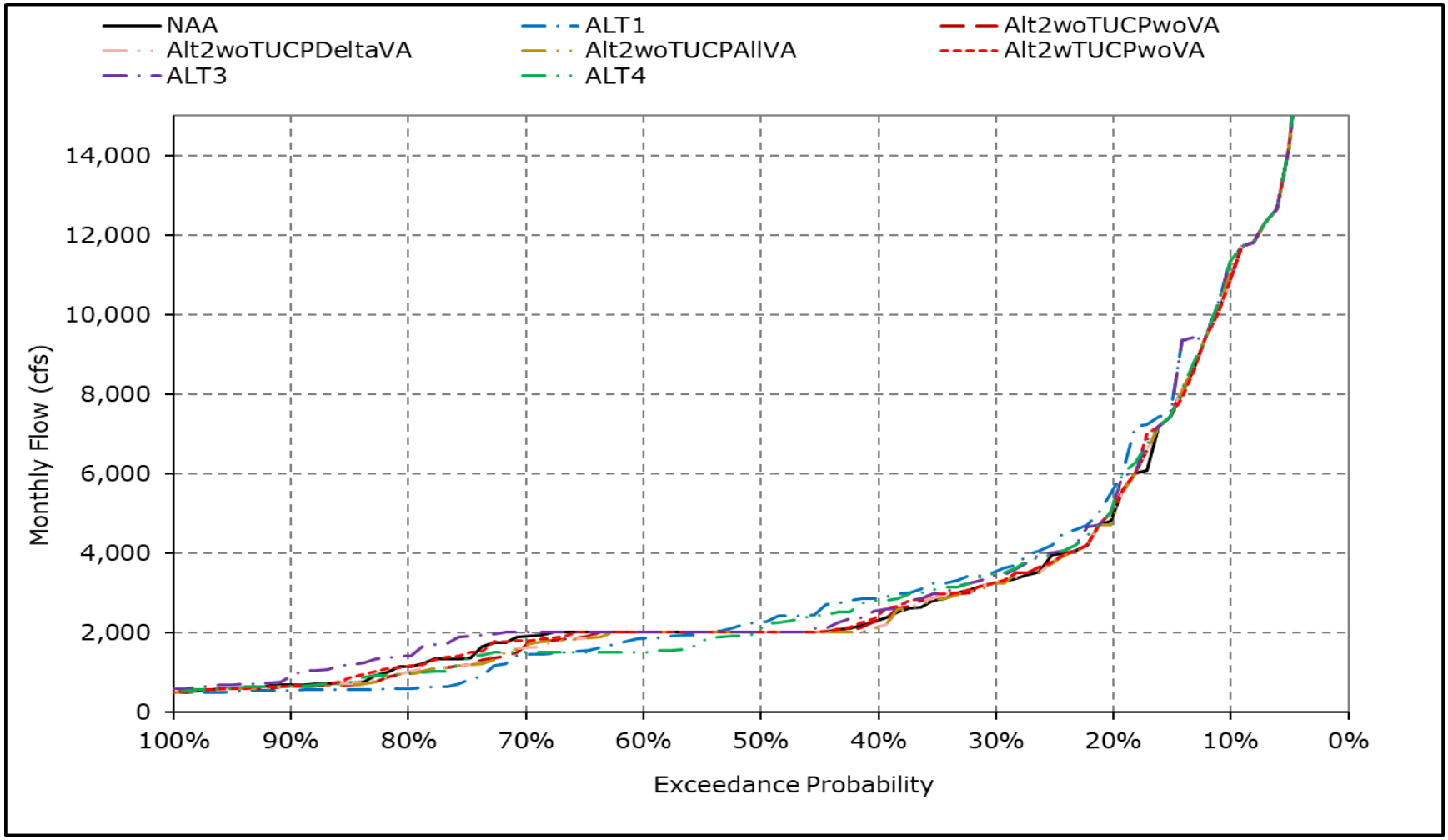
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-7. American River below Nimbus Dam Flow, October



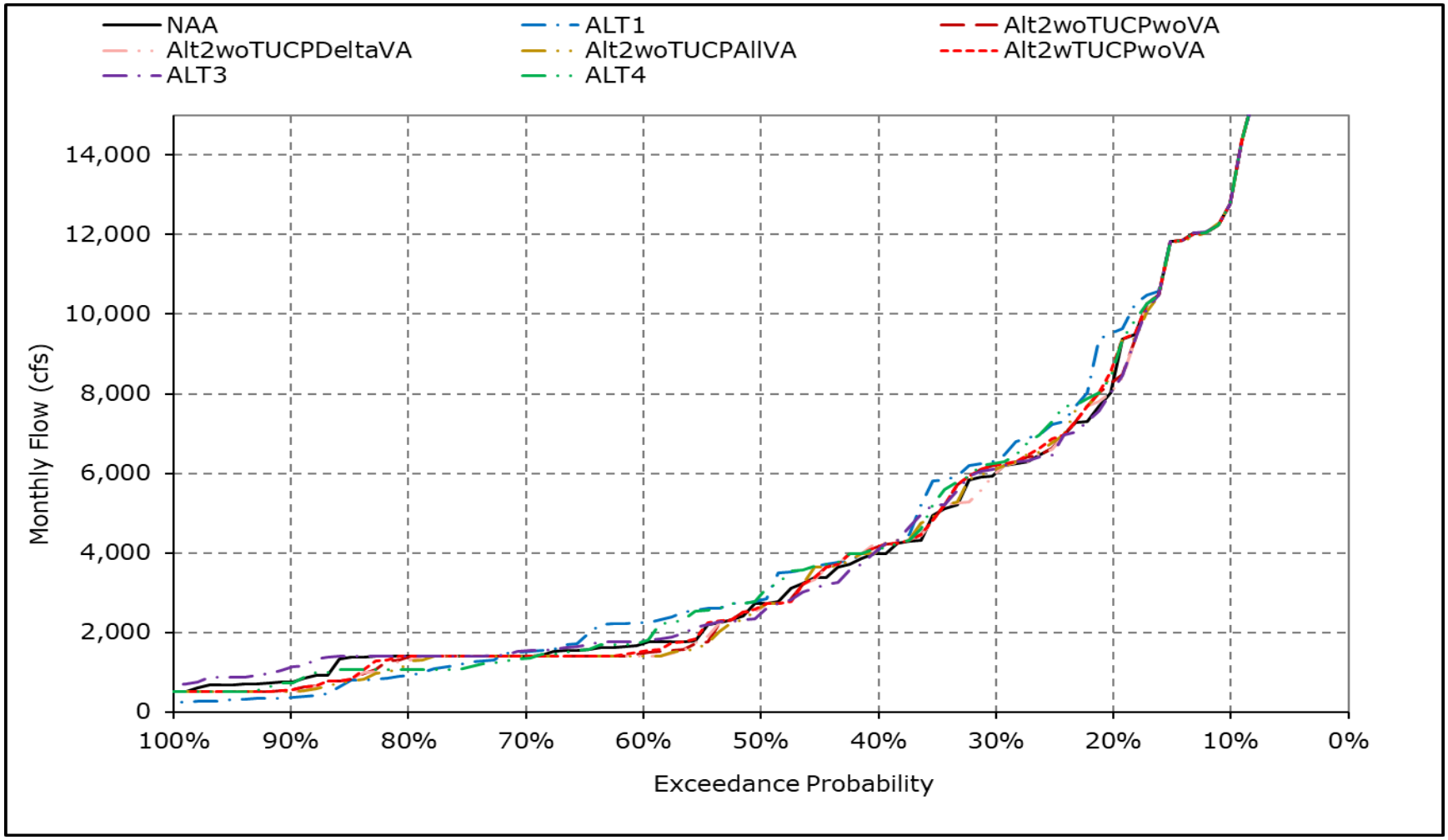
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-8. American River below Nimbus Dam Flow, November



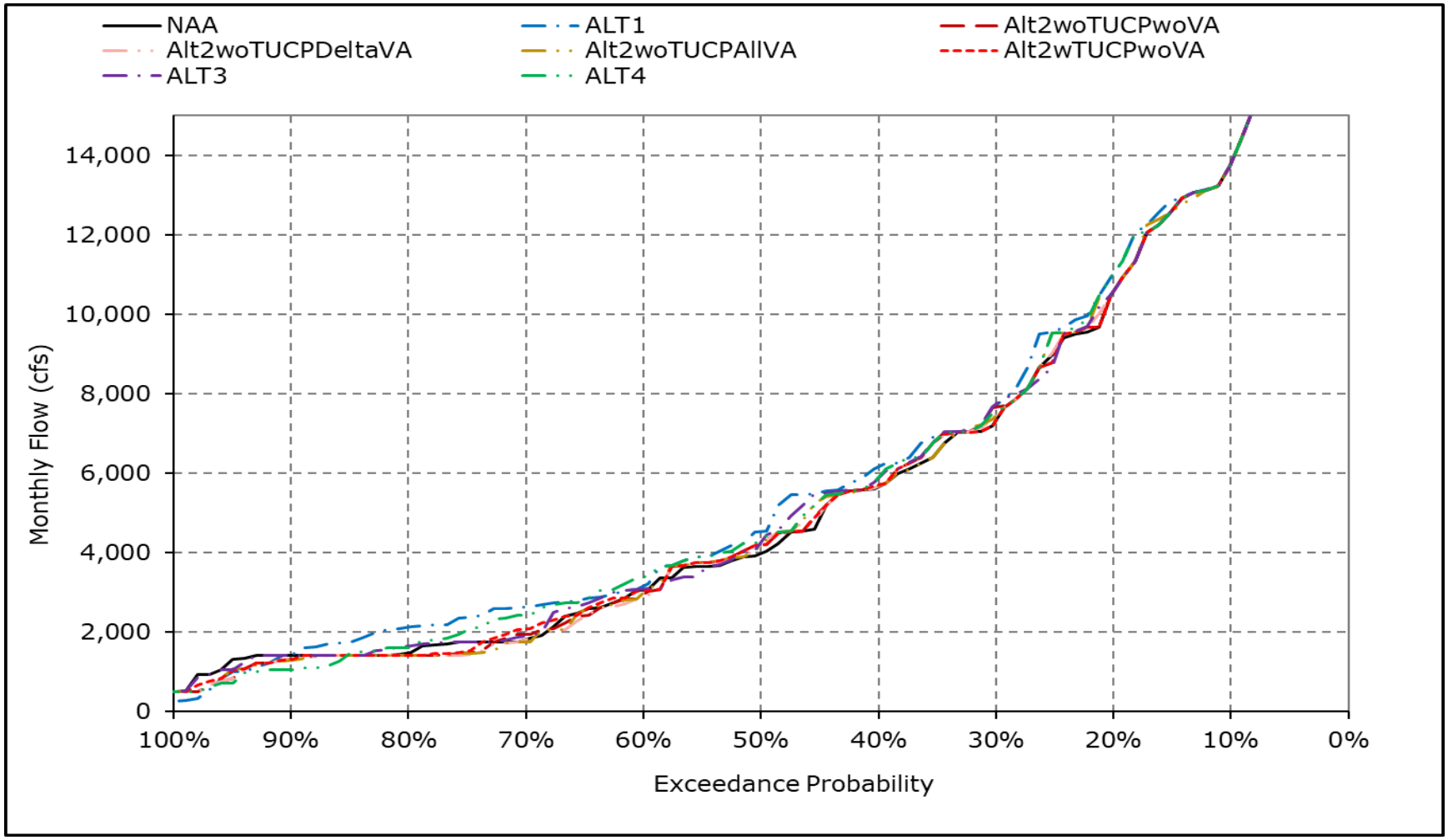
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-9. American River below Nimbus Dam Flow, December



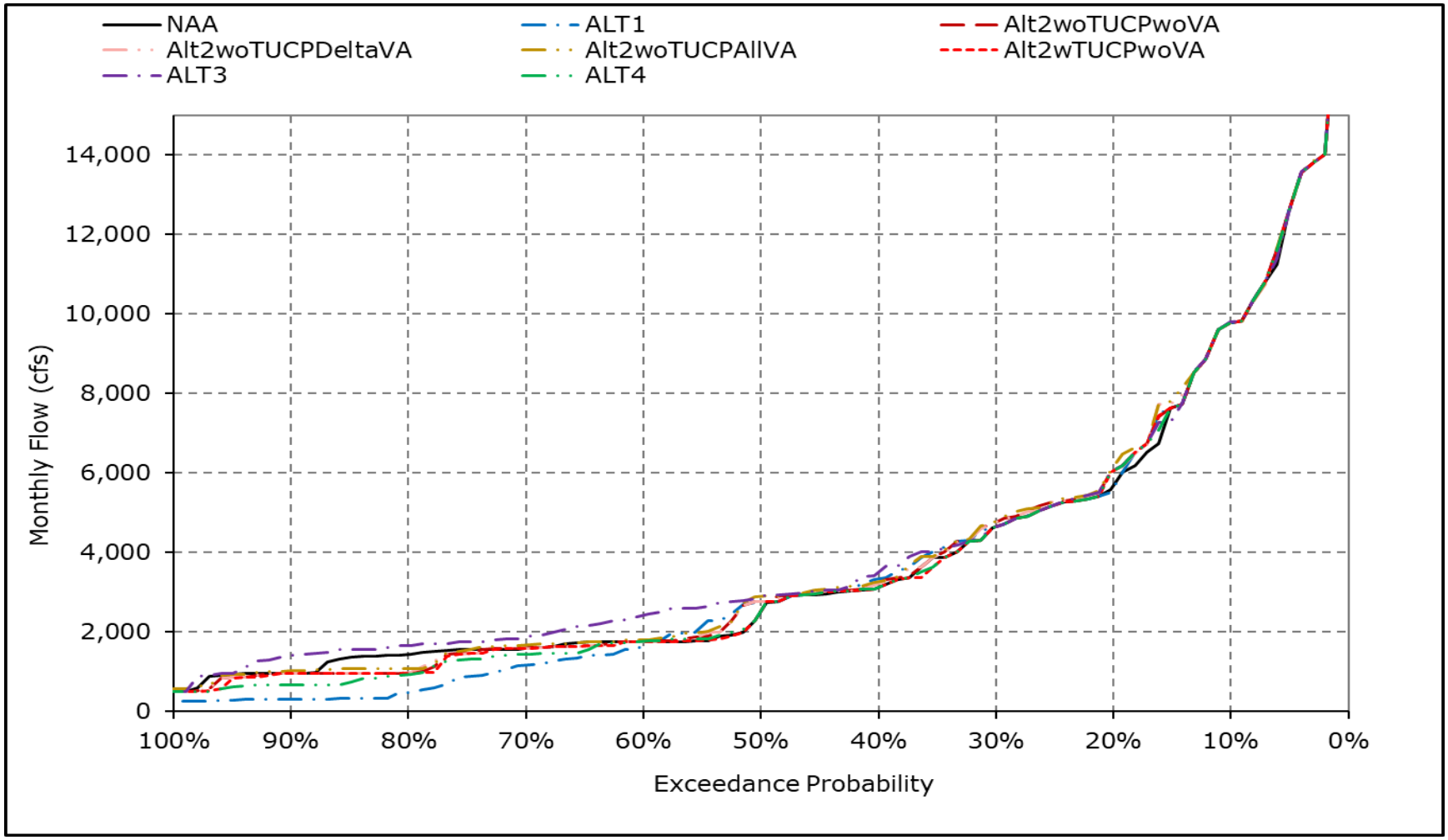
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-10. American River below Nimbus Dam Flow, January



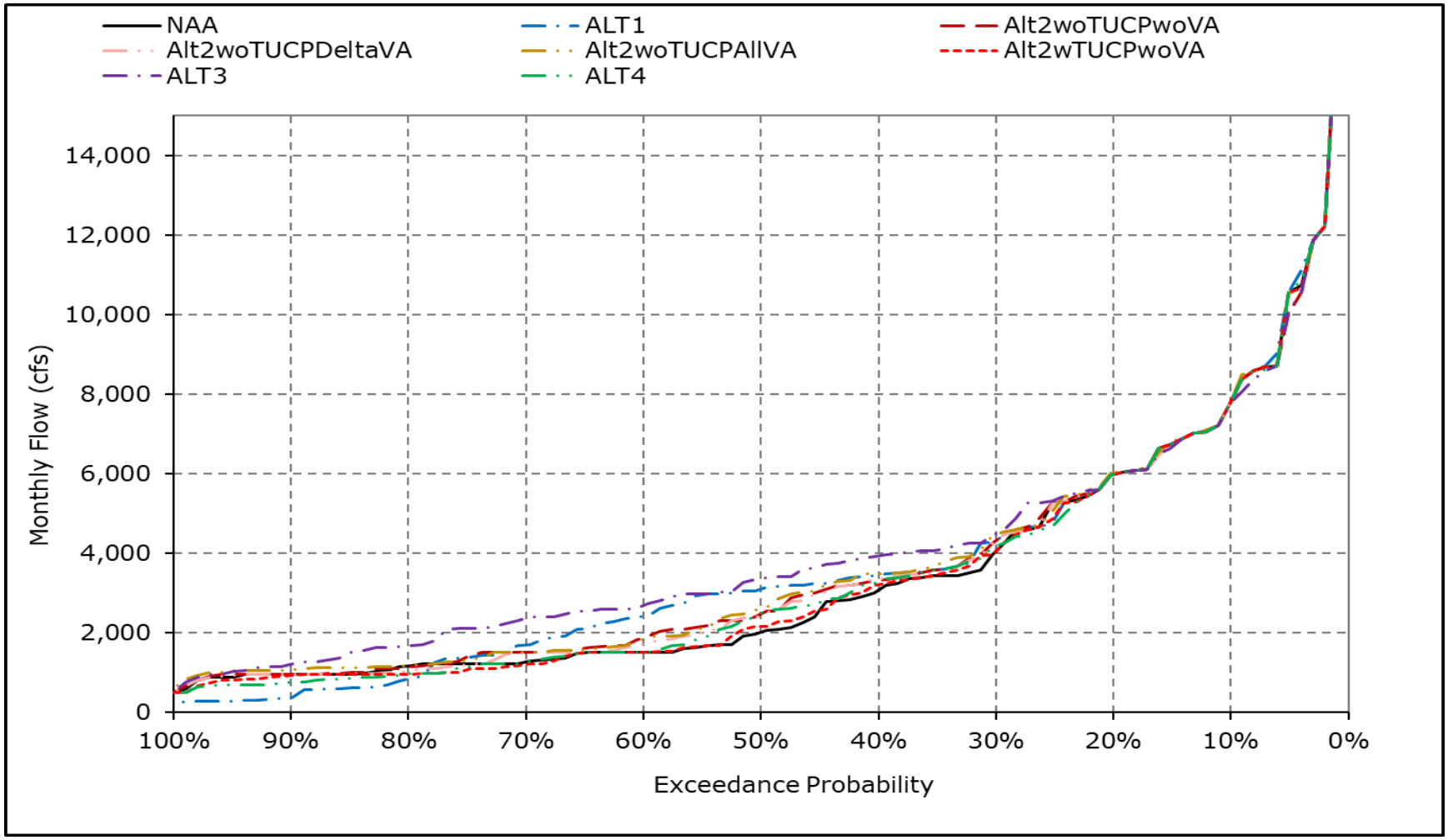
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-11. American River below Nimbus Dam Flow, February



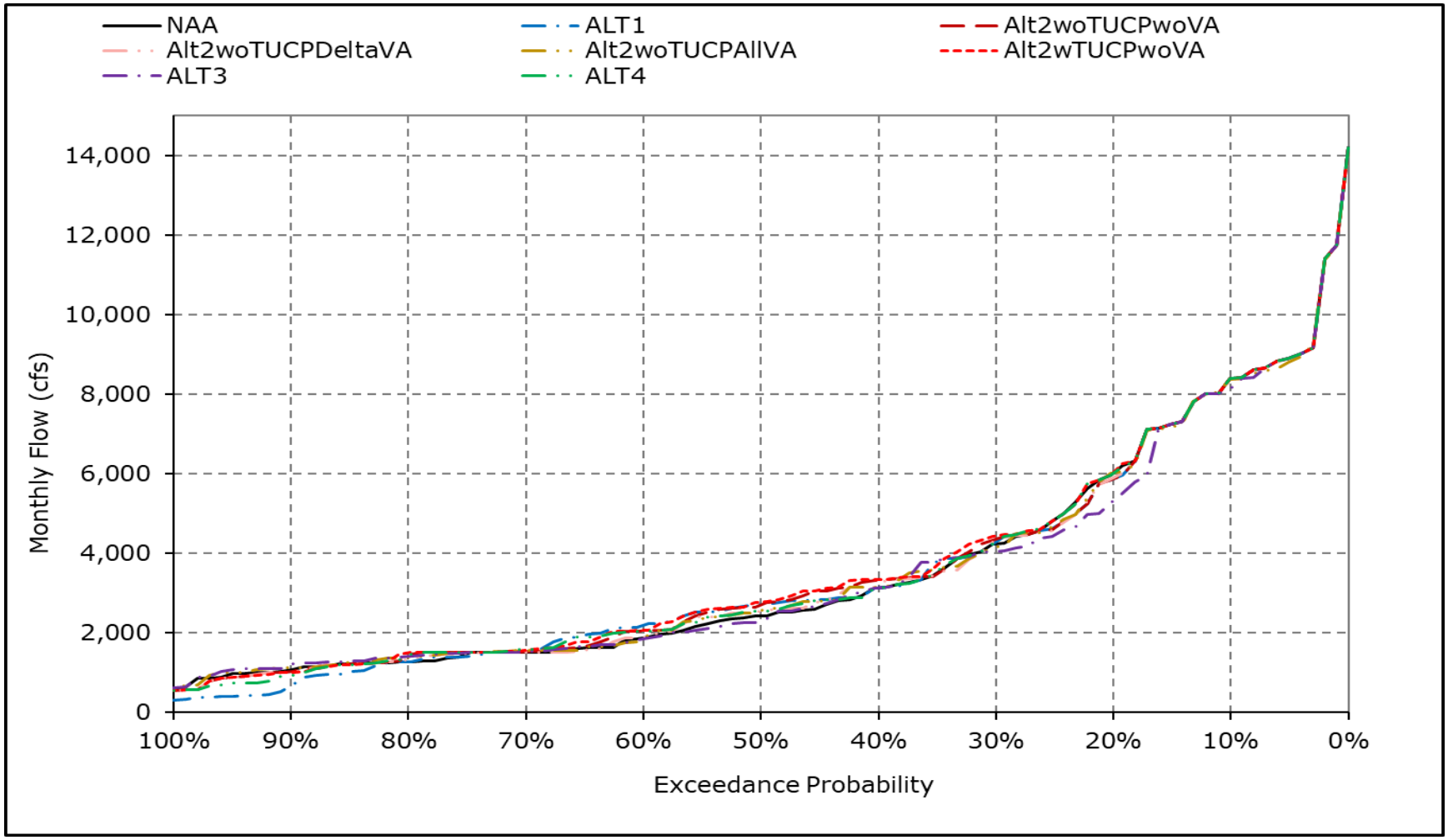
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-12. American River below Nimbus Dam Flow, March



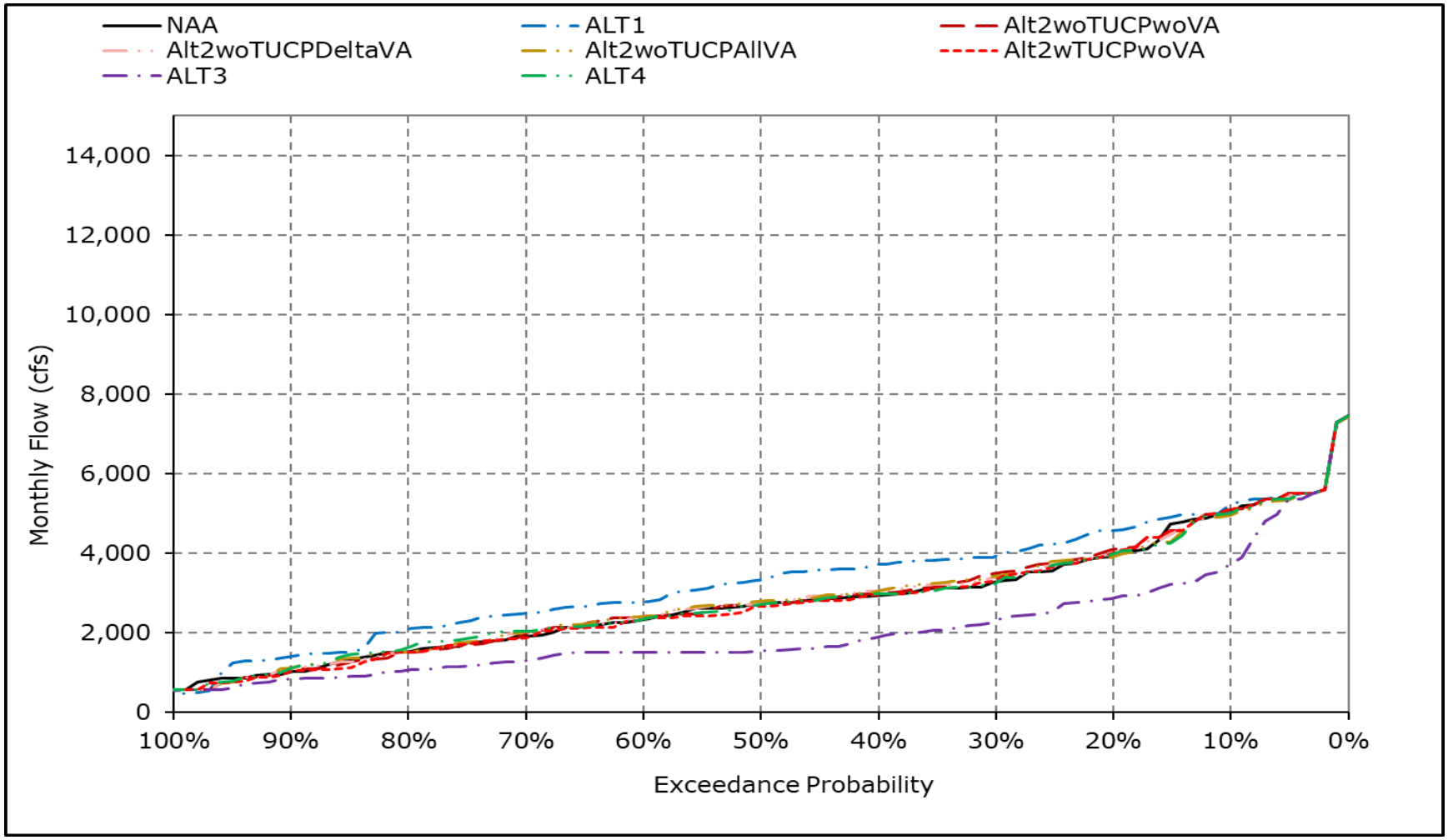
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-13. American River below Nimbus Dam Flow, April



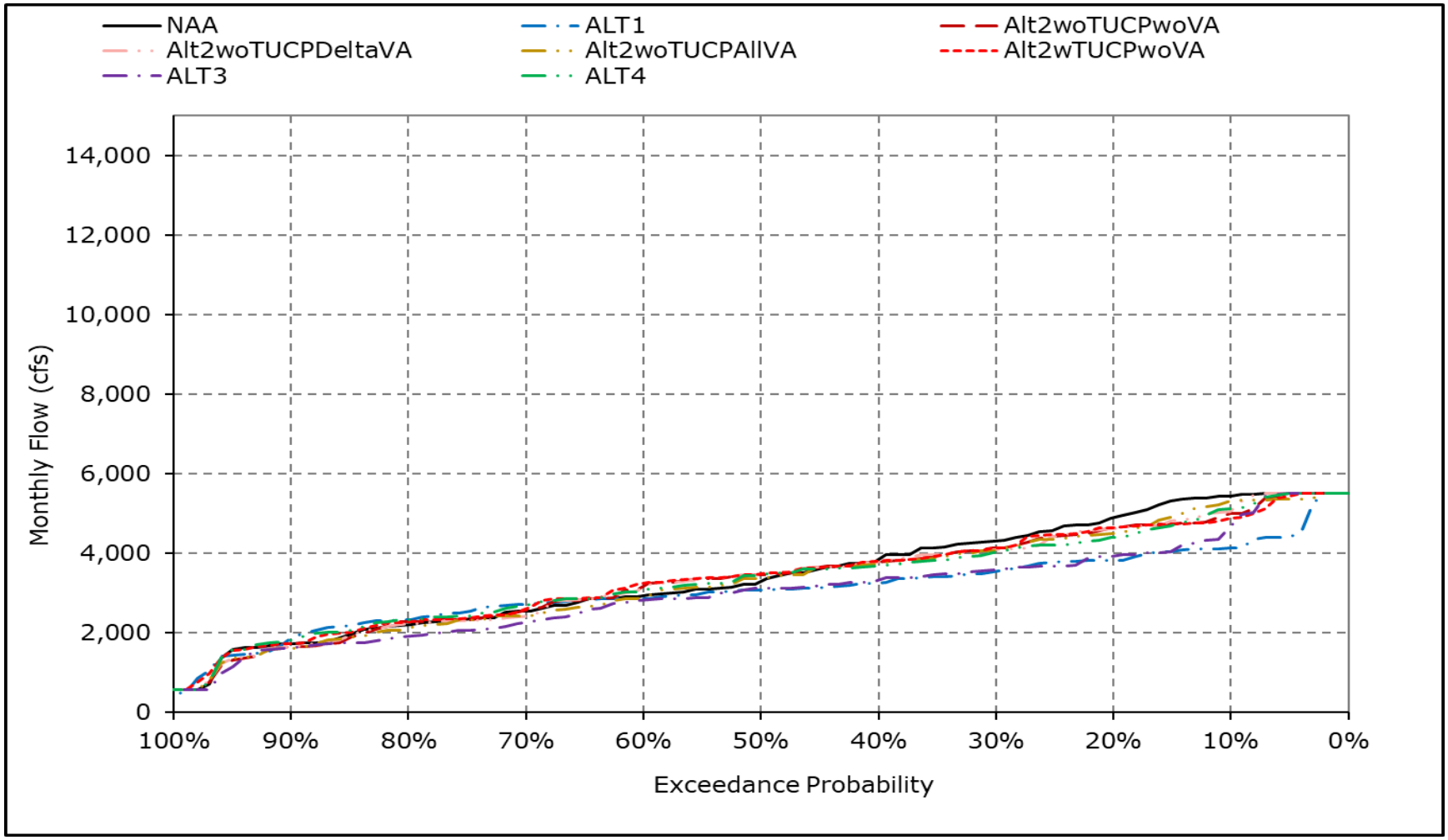
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-14. American River below Nimbus Dam Flow, May



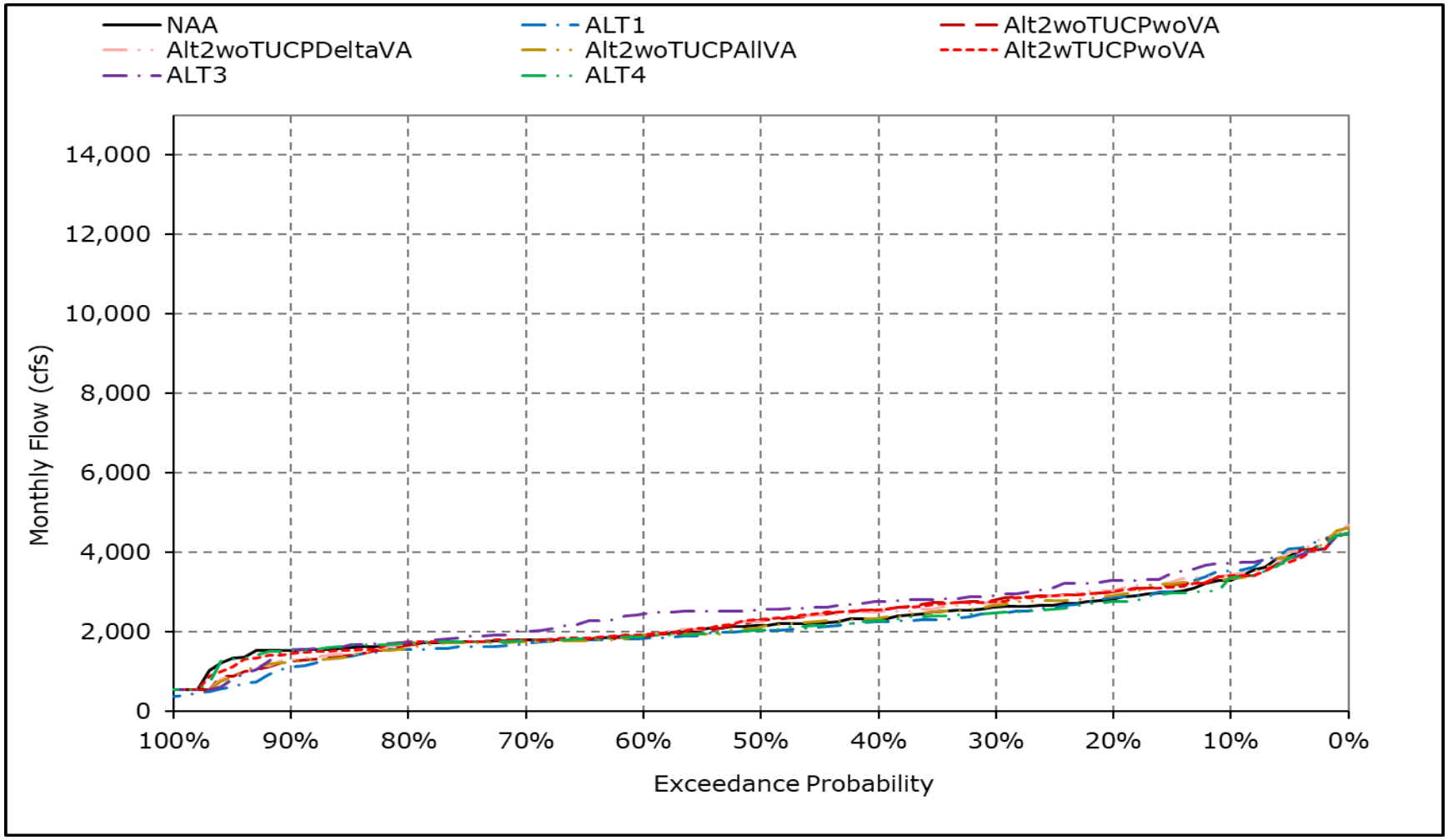
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-15. American River below Nimbus Dam Flow, June



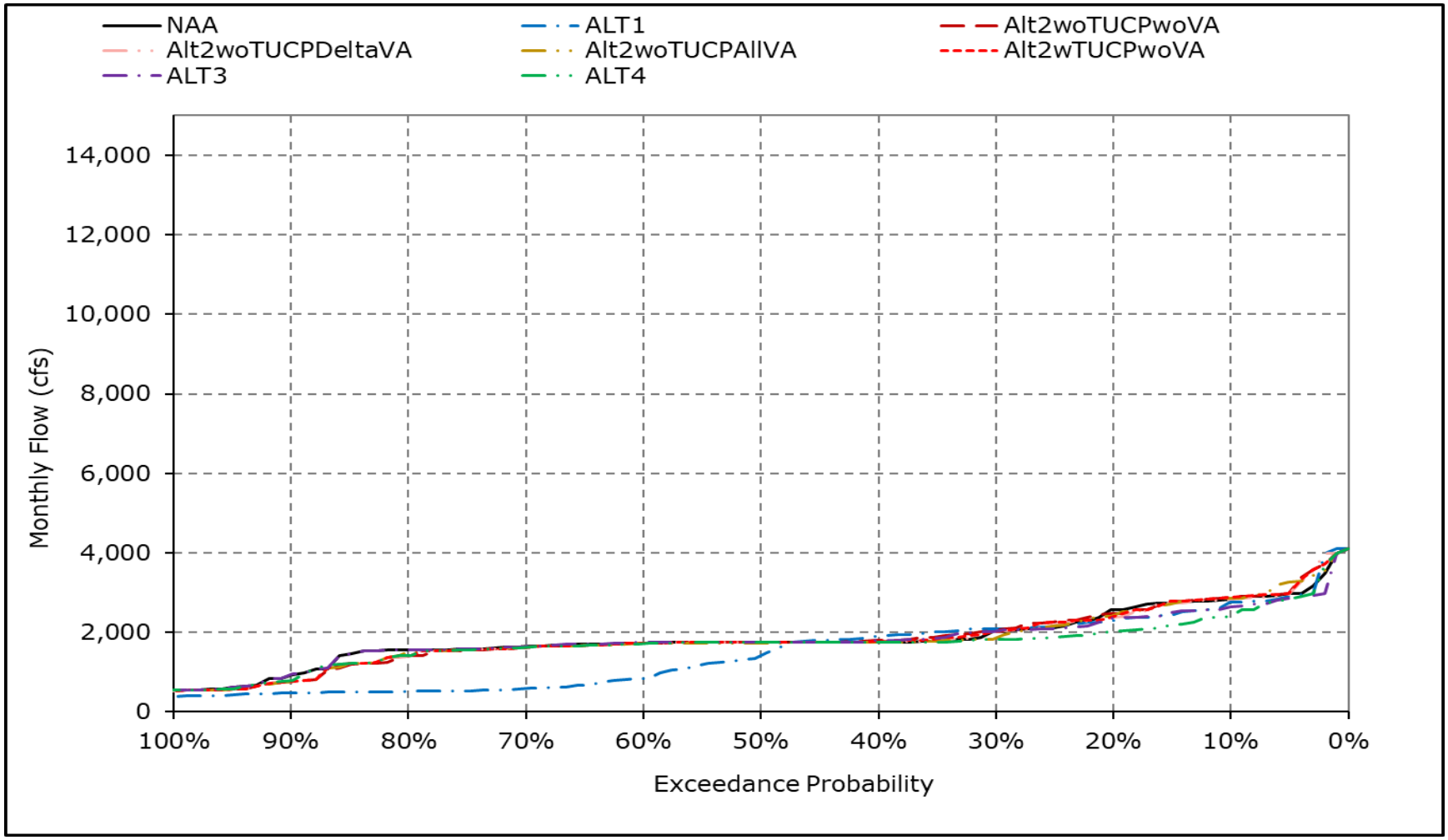
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-16. American River below Nimbus Dam Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-17. American River below Nimbus Dam Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-18. American River below Nimbus Dam Flow, September

Table F.2.2-13-1a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-1b. American River at H Street, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,613	4,882	11,445	12,875	13,928	9,755	7,754	8,258	5,047	3,929	3,374	2,598
20% Exceedance	2,283	3,706	5,772	9,582	11,066	5,588	5,921	5,710	4,402	3,629	2,667	2,141
30% Exceedance	1,895	3,052	3,499	6,284	7,704	4,605	4,251	4,135	3,759	3,387	2,275	1,935
40% Exceedance	1,662	2,323	2,811	4,058	6,098	3,288	3,342	2,997	3,551	3,048	2,063	1,750
50% Exceedance	1,468	1,439	2,191	2,771	4,498	2,682	2,995	2,560	3,154	2,881	1,835	1,263
60% Exceedance	946	704	1,767	2,230	3,153	1,637	2,316	2,048	2,615	2,695	1,670	702
70% Exceedance	502	500	1,370	1,473	2,575	1,094	1,634	1,410	2,301	2,505	1,562	432
80% Exceedance	500	500	572	875	2,037	434	759	1,163	1,904	2,159	1,374	377
90% Exceedance	375	375	500	308	1,355	250	276	541	1,233	1,675	920	367
Full Simulation Period Average[a]	1,460	2,323	4,039	5,429	6,604	3,803	3,677	3,452	3,124	2,881	1,991	1,351
Wet Water Years (28%)	1,951	3,977	4,703	11,855	12,306	7,619	6,709	6,224	3,936	2,927	2,467	2,174
Above Normal Water Years (14%)	1,828	1,923	3,839	6,877	7,627	4,767	3,271	3,269	3,526	3,578	1,824	1,775
Below Normal Water Years (18%)	1,346	1,329	4,304	3,057	4,750	2,257	2,787	2,889	3,465	3,468	2,227	1,458
Dry Water Years (24%)	1,263	2,323	5,064	1,783	4,032	1,775	2,062	2,517	2,628	2,927	1,634	598
Critical Water Years (16%)	626	826	1,043	1,055	1,673	1,063	2,146	797	1,713	1,463	1,574	551

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-1c. American River at H Street, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	349	59	394	-2	0	-1	0	-1	199	-1,315	239	-73
20% Exceedance	633	22	872	1,339	446	-12	-3	-167	624	-1,074	18	-260
30% Exceedance	410	253	208	220	400	-1	249	57	673	-703	-162	84
40% Exceedance	246	23	571	133	397	169	362	-14	787	-588	-98	117
50% Exceedance	73	-471	235	97	577	196	1,083	261	589	-214	-143	-347
60% Exceedance	-434	-1,173	-165	559	182	-43	868	311	460	-33	-72	-879
70% Exceedance	-520	-733	-476	40	822	-423	451	3	562	182	-65	-1,068
80% Exceedance	-143	-458	-491	-468	497	-916	-291	14	545	177	-120	-1,033
90% Exceedance	-131	-262	-151	-404	25	-666	-576	-376	423	130	-449	-387
Full Simulation Period Average[a]	64	-212	87	132	296	-173	205	-1	453	-362	-111	-372
Wet Water Years (28%)	182	-23	-121	209	-1	-24	-49	-21	420	-527	-168	-193
Above Normal Water Years (14%)	45	-417	507	338	134	-154	56	69	385	-837	-259	-356
Below Normal Water Years (18%)	-121	-607	211	155	436	-476	51	78	867	-876	-33	-155
Dry Water Years (24%)	132	123	-60	157	856	-237	-15	165	212	222	-143	-790
Critical Water Years (16%)	-20	-425	139	-248	-39	-12	1,284	-368	469	47	79	-316

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-2a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-2b. American River at H Street, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,216	4,805	11,022	12,877	13,928	9,756	7,754	8,259	4,922	4,775	3,217	2,708
20% Exceedance	1,717	3,735	5,063	8,497	10,620	5,987	5,924	5,711	3,894	4,423	2,830	2,301
30% Exceedance	1,505	2,758	3,346	6,191	7,696	4,753	4,233	4,190	3,317	3,919	2,621	1,888
40% Exceedance	1,429	2,101	2,214	4,095	5,732	3,182	3,202	3,174	2,822	3,568	2,376	1,666
50% Exceedance	1,400	1,908	1,952	2,602	4,127	2,710	2,366	2,563	2,537	3,268	2,108	1,614
60% Exceedance	1,374	1,779	1,922	1,458	2,865	1,715	1,768	1,916	2,230	2,971	1,721	1,582
70% Exceedance	949	1,082	1,665	1,341	1,981	1,529	1,448	1,414	1,806	2,340	1,609	1,476
80% Exceedance	593	747	915	1,307	1,353	925	1,032	1,307	1,343	2,096	1,489	1,237
90% Exceedance	450	527	588	574	1,246	872	864	874	884	1,458	1,084	612
Full Simulation Period Average[a]	1,355	2,474	3,914	5,247	6,300	3,986	3,624	3,514	2,694	3,166	2,130	1,716
Wet Water Years (28%)	1,795	4,023	4,847	11,659	12,306	7,642	6,758	6,245	3,537	3,355	2,645	2,390
Above Normal Water Years (14%)	1,843	2,327	3,306	6,683	7,498	4,937	3,213	3,268	3,268	4,128	2,196	2,229
Below Normal Water Years (18%)	1,325	1,919	4,148	2,673	4,435	2,681	2,651	2,975	2,544	4,146	2,409	1,615
Dry Water Years (24%)	1,012	2,116	4,974	1,518	3,188	1,949	2,137	2,648	2,330	2,930	1,886	1,332
Critical Water Years (16%)	633	969	807	1,258	1,507	1,281	1,821	855	1,429	1,247	1,223	780

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-2c. American River at H Street, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-48	-17	-30	0	0	0	0	0	74	-470	81	38
20% Exceedance	67	51	163	254	1	387	0	-166	115	-280	180	-100
30% Exceedance	20	-41	56	127	392	147	230	112	231	-171	183	37
40% Exceedance	13	-199	-26	169	31	64	222	163	58	-68	215	33
50% Exceedance	6	-2	-5	-73	206	224	454	264	-28	173	130	3
60% Exceedance	-5	-98	-10	-212	-105	35	320	179	75	243	-22	1
70% Exceedance	-73	-151	-181	-92	227	11	265	7	67	18	-18	-24
80% Exceedance	-50	-211	-147	-36	-187	-425	-18	158	-16	115	-5	-173
90% Exceedance	-57	-110	-63	-137	-83	-45	12	-44	74	-87	-285	-142
Full Simulation Period Average[a]	-40	-61	-38	-50	-7	11	152	61	23	-77	28	-7
Wet Water Years (28%)	26	23	23	13	0	0	0	0	21	-99	10	24
Above Normal Water Years (14%)	60	-12	-26	144	5	16	-3	68	127	-288	114	98
Below Normal Water Years (18%)	-142	-17	56	-229	121	-51	-86	164	-54	-198	149	2
Dry Water Years (24%)	-119	-84	-150	-107	12	-63	60	297	-86	225	109	-56
Critical Water Years (16%)	-13	-282	-98	-45	-205	206	959	-310	186	-169	-272	-87

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-3a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-3b. American River at H Street, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,150	4,803	11,024	12,867	13,927	9,750	7,741	8,239	4,805	4,857	3,242	2,671
20% Exceedance	1,622	3,740	4,958	8,099	10,618	5,979	5,945	5,738	3,782	4,404	2,855	2,220
30% Exceedance	1,474	3,092	3,332	5,917	7,457	4,746	4,223	4,169	3,240	3,890	2,568	1,843
40% Exceedance	1,414	2,344	2,071	4,205	5,715	3,176	3,263	3,080	2,880	3,565	2,324	1,633
50% Exceedance	1,397	1,917	1,946	2,592	4,124	2,712	2,341	2,415	2,575	3,280	2,077	1,613
60% Exceedance	1,374	1,766	1,917	1,401	2,820	1,698	1,614	1,754	2,251	2,952	1,755	1,578
70% Exceedance	874	1,091	1,540	1,338	1,744	1,518	1,418	1,406	1,865	2,243	1,600	1,476
80% Exceedance	585	760	990	1,254	1,353	931	973	1,197	1,333	2,014	1,521	1,329
90% Exceedance	436	527	603	567	1,246	872	852	874	894	1,464	1,094	617
Full Simulation Period Average[a]	1,328	2,483	3,902	5,210	6,287	3,989	3,580	3,457	2,695	3,177	2,144	1,701
Wet Water Years (28%)	1,772	4,044	4,825	11,649	12,310	7,638	6,751	6,233	3,494	3,365	2,614	2,355
Above Normal Water Years (14%)	1,799	2,319	3,297	6,574	7,510	4,920	3,181	3,213	3,213	4,237	2,121	2,188
Below Normal Water Years (18%)	1,297	1,995	4,115	2,618	4,362	2,686	2,662	2,862	2,567	4,070	2,459	1,603
Dry Water Years (24%)	1,012	2,033	4,995	1,517	3,170	1,980	2,092	2,539	2,364	2,916	1,926	1,341
Critical Water Years (16%)	574	1,037	782	1,205	1,521	1,269	1,648	860	1,488	1,305	1,315	781

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-3c. American River at H Street, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-114	-20	-27	-9	-1	-7	-13	-20	-44	-388	107	0
20% Exceedance	-28	56	58	-144	-1	378	20	-139	3	-299	205	-181
30% Exceedance	-11	293	41	-147	153	140	220	91	154	-200	130	-8
40% Exceedance	-2	44	-169	280	14	57	283	69	116	-71	164	1
50% Exceedance	2	7	-11	-83	203	226	429	116	10	185	99	3
60% Exceedance	-5	-111	-15	-269	-150	18	166	17	97	224	13	-4
70% Exceedance	-148	-142	-305	-94	-10	0	234	-2	127	-79	-27	-24
80% Exceedance	-58	-198	-72	-89	-186	-419	-77	48	-25	33	27	-81
90% Exceedance	-70	-110	-48	-144	-83	-45	0	-44	84	-81	-275	-138
Full Simulation Period Average[a]	-67	-52	-50	-87	-20	13	109	4	25	-66	42	-22
Wet Water Years (28%)	3	44	1	3	3	-5	-8	-12	-22	-88	-21	-11
Above Normal Water Years (14%)	16	-21	-35	35	18	-1	-35	12	72	-178	39	58
Below Normal Water Years (18%)	-171	59	23	-284	48	-46	-74	51	-32	-274	199	-10
Dry Water Years (24%)	-119	-167	-129	-108	-6	-32	15	187	-52	211	149	-47
Critical Water Years (16%)	-73	-213	-123	-98	-191	194	786	-306	244	-111	-180	-86

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-4a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-4b. American River at H Street, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,224	4,818	11,260	12,843	13,925	9,749	7,757	8,251	4,807	5,094	3,170	2,693
20% Exceedance	1,620	3,773	4,844	8,769	10,629	6,083	5,955	5,916	3,745	4,295	2,731	2,271
30% Exceedance	1,482	2,924	3,333	6,026	7,458	4,778	4,399	4,058	3,238	3,880	2,494	1,730
40% Exceedance	1,410	2,244	2,074	4,056	5,717	3,273	3,413	3,011	2,865	3,513	2,160	1,623
50% Exceedance	1,388	1,913	1,946	2,603	4,124	2,872	2,577	2,473	2,606	3,174	1,932	1,599
60% Exceedance	1,359	1,811	1,917	1,405	2,905	1,774	1,763	1,753	2,244	2,681	1,743	1,574
70% Exceedance	946	1,091	1,669	1,336	1,671	1,603	1,445	1,445	1,864	2,258	1,592	1,491
80% Exceedance	592	773	921	1,164	1,381	1,089	1,117	1,290	1,349	1,938	1,413	1,369
90% Exceedance	450	552	589	542	1,242	990	1,045	1,040	932	1,422	1,054	612
Full Simulation Period Average[a]	1,357	2,512	3,907	5,224	6,309	4,077	3,699	3,510	2,708	3,125	2,066	1,699
Wet Water Years (28%)	1,786	4,037	4,809	11,608	12,316	7,658	6,764	6,220	3,504	3,357	2,603	2,372
Above Normal Water Years (14%)	1,814	2,318	3,318	6,860	7,535	4,985	3,246	3,242	3,235	4,106	2,079	2,082
Below Normal Water Years (18%)	1,400	1,948	4,108	2,649	4,325	2,785	2,750	2,838	2,610	4,115	2,260	1,628
Dry Water Years (24%)	1,002	2,232	5,014	1,525	3,260	2,126	2,231	2,667	2,365	2,751	1,885	1,326
Critical Water Years (16%)	615	983	796	1,065	1,533	1,398	2,003	1,024	1,476	1,310	1,168	822

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-4c. American River at H Street, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-40	-4	209	-33	-4	-8	3	-8	-41	-151	35	22
20% Exceedance	-30	89	-56	526	10	483	31	40	-34	-408	81	-130
30% Exceedance	-3	125	42	-38	154	172	397	-20	152	-210	57	-121
40% Exceedance	-7	-56	-166	130	15	154	433	0	101	-123	-1	-10
50% Exceedance	-7	2	-11	-71	203	386	664	174	41	79	-46	-11
60% Exceedance	-21	-66	-15	-265	-65	94	315	16	90	-47	0	-8
70% Exceedance	-75	-142	-177	-97	-82	85	261	38	126	-65	-35	-9
80% Exceedance	-51	-185	-142	-179	-158	-261	67	141	-9	-44	-81	-41
90% Exceedance	-57	-84	-62	-170	-87	74	193	123	122	-123	-314	-143
Full Simulation Period Average[a]	-38	-23	-46	-73	2	102	228	57	37	-118	-36	-25
Wet Water Years (28%)	17	38	-15	-38	10	16	5	-26	-13	-97	-32	6
Above Normal Water Years (14%)	31	-21	-14	321	42	64	30	42	93	-309	-3	-48
Below Normal Water Years (18%)	-67	12	16	-253	11	53	14	27	12	-229	0	15
Dry Water Years (24%)	-129	32	-110	-101	84	114	154	315	-51	46	107	-62
Critical Water Years (16%)	-32	-268	-108	-238	-179	323	1,141	-142	232	-106	-327	-45

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-5a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-5b. American River at H Street, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,210	4,805	11,022	12,877	13,930	9,756	7,754	8,259	4,923	4,674	3,218	2,710
20% Exceedance	1,717	3,735	5,063	8,860	10,620	5,988	5,925	5,883	3,831	4,437	2,834	2,247
30% Exceedance	1,506	2,874	3,349	6,191	7,298	4,606	4,003	4,298	3,157	3,916	2,586	1,851
40% Exceedance	1,427	2,094	2,356	4,100	5,733	3,114	3,122	3,185	2,786	3,588	2,375	1,648
50% Exceedance	1,400	1,910	1,957	2,604	4,134	2,494	2,079	2,634	2,481	3,277	2,123	1,613
60% Exceedance	1,360	1,783	1,925	1,485	2,933	1,680	1,456	1,928	2,156	3,059	1,768	1,584
70% Exceedance	873	1,091	1,768	1,343	2,017	1,518	1,100	1,432	1,708	2,413	1,633	1,476
80% Exceedance	593	760	1,088	1,319	1,384	919	876	1,368	1,340	2,105	1,575	1,337
90% Exceedance	509	557	604	545	1,251	869	811	867	842	1,543	1,279	612
Full Simulation Period Average[a]	1,358	2,493	3,973	5,282	6,320	3,930	3,460	3,565	2,645	3,203	2,161	1,710
Wet Water Years (28%)	1,795	4,024	4,848	11,659	12,307	7,643	6,758	6,245	3,536	3,357	2,643	2,390
Above Normal Water Years (14%)	1,835	2,308	3,304	6,782	7,498	4,937	3,213	3,268	3,274	4,122	2,235	2,214
Below Normal Water Years (18%)	1,371	1,900	4,159	2,805	4,491	2,682	2,686	2,983	2,543	4,103	2,444	1,594
Dry Water Years (24%)	1,012	2,095	4,974	1,519	3,203	1,945	2,118	2,650	2,333	2,945	1,886	1,332
Critical Water Years (16%)	604	1,166	1,184	1,240	1,544	931	785	1,159	1,122	1,506	1,346	778

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-5c. American River at H Street, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-54	-17	-30	0	2	0	0	0	74	-571	83	39
20% Exceedance	67	51	163	617	1	388	0	7	52	-266	184	-154
30% Exceedance	20	75	59	127	-6	0	0	220	71	-174	148	0
40% Exceedance	11	-206	116	174	31	-4	142	173	22	-48	214	16
50% Exceedance	6	0	0	-70	213	8	166	335	-84	182	145	2
60% Exceedance	-20	-93	-6	-186	-38	0	8	190	2	331	25	2
70% Exceedance	-148	-142	-78	-90	263	0	-83	25	-30	91	6	-23
80% Exceedance	-50	-198	25	-25	-156	-431	-174	219	-18	124	81	-73
90% Exceedance	3	-80	-47	-167	-79	-47	-41	-51	32	-2	-90	-142
Full Simulation Period Average[a]	-37	-42	20	-15	12	-46	-12	111	-25	-39	59	-13
Wet Water Years (28%)	26	25	23	13	0	0	0	0	20	-97	8	23
Above Normal Water Years (14%)	52	-31	-28	243	5	16	-3	68	133	-293	153	83
Below Normal Water Years (18%)	-96	-36	66	-97	177	-50	-51	173	-56	-240	184	-19
Dry Water Years (24%)	-119	-105	-150	-107	27	-68	42	298	-84	240	108	-56
Critical Water Years (16%)	-43	-84	280	-63	-168	-144	-78	-6	-122	90	-149	-89

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-6a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-6b. American River at H Street, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,068	4,802	11,446	12,873	13,941	9,764	7,719	7,994	3,618	4,491	3,535	2,476
20% Exceedance	1,642	3,670	5,132	8,102	10,624	5,998	5,921	5,169	2,697	3,742	3,102	2,163
30% Exceedance	1,479	2,801	3,451	6,090	7,715	4,611	4,423	3,907	2,106	3,380	2,720	1,854
40% Exceedance	1,409	1,995	2,630	4,045	5,851	3,467	3,837	3,007	1,704	3,114	2,559	1,655
50% Exceedance	1,384	1,906	1,958	2,417	4,213	2,794	3,292	2,166	1,368	2,909	2,363	1,610
60% Exceedance	1,358	1,878	1,932	1,771	3,001	2,373	2,623	1,714	1,337	2,608	2,266	1,592
70% Exceedance	910	1,238	1,912	1,464	1,855	1,804	2,285	1,410	1,128	2,056	1,807	1,493
80% Exceedance	600	807	1,426	1,348	1,546	1,570	1,562	1,259	872	1,726	1,583	1,405
90% Exceedance	483	591	841	1,048	1,326	1,326	1,128	1,070	653	1,418	1,353	782
Full Simulation Period Average[a]	1,353	2,530	4,131	5,335	6,386	4,217	4,038	3,411	1,906	2,828	2,333	1,680
Wet Water Years (28%)	1,777	4,048	4,852	11,702	12,332	7,744	6,996	6,260	3,070	3,476	2,681	2,194
Above Normal Water Years (14%)	1,755	2,502	3,473	6,580	7,554	5,222	4,128	3,382	1,751	3,401	2,617	2,006
Below Normal Water Years (18%)	1,385	1,919	4,473	2,878	4,395	3,315	3,647	2,632	1,490	2,995	2,643	1,730
Dry Water Years (24%)	1,050	2,276	5,111	1,765	3,396	2,132	2,734	2,177	1,535	2,551	2,225	1,394
Critical Water Years (16%)	603	862	1,466	1,225	1,684	1,310	1,179	1,179	1,030	1,420	1,285	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-6c. American River at H Street, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-196	-20	394	-4	13	8	-35	-265	-1,230	-753	400	-194
20% Exceedance	-8	-14	232	-141	5	398	-4	-708	-1,082	-961	452	-238
30% Exceedance	-6	2	160	26	411	5	420	-171	-980	-711	282	3
40% Exceedance	-7	-305	390	119	149	349	857	-4	-1,060	-522	398	23
50% Exceedance	-11	-4	1	-257	292	308	1,379	-133	-1,197	-186	385	0
60% Exceedance	-21	1	0	100	31	693	1,175	-23	-817	-120	523	11
70% Exceedance	-112	5	67	31	102	286	1,102	3	-611	-266	180	-7
80% Exceedance	-44	-151	363	5	7	220	511	110	-486	-256	88	-6
90% Exceedance	-23	-45	191	336	-3	409	276	152	-157	-127	-16	28
Full Simulation Period Average[a]	-42	-5	179	38	79	242	567	-43	-765	-415	231	-43
Wet Water Years (28%)	9	48	28	56	26	101	238	14	-446	23	46	-173
Above Normal Water Years (14%)	-28	162	141	41	61	301	912	181	-1,391	-1,015	535	-125
Below Normal Water Years (18%)	-82	-17	381	-24	81	583	911	-179	-1,108	-1,349	383	117
Dry Water Years (24%)	-81	76	-13	139	220	119	657	-175	-881	-154	448	6
Critical Water Years (16%)	-44	-389	561	-78	-28	236	316	14	-214	4	-210	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-7a. American River at H Street, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,264	4,822	11,051	12,877	13,928	9,756	7,755	8,259	4,848	5,245	3,135	2,671
20% Exceedance	1,650	3,684	4,900	8,243	10,619	5,600	5,925	5,877	3,779	4,703	2,650	2,401
30% Exceedance	1,485	2,799	3,291	6,064	7,304	4,606	4,003	4,078	3,086	4,090	2,438	1,851
40% Exceedance	1,416	2,300	2,240	3,926	5,702	3,118	2,980	3,011	2,764	3,636	2,161	1,633
50% Exceedance	1,394	1,910	1,957	2,674	3,921	2,486	1,913	2,299	2,565	3,095	1,978	1,610
60% Exceedance	1,379	1,877	1,931	1,671	2,970	1,680	1,448	1,737	2,155	2,728	1,743	1,581
70% Exceedance	1,022	1,233	1,846	1,433	1,753	1,518	1,183	1,407	1,739	2,322	1,627	1,500
80% Exceedance	643	958	1,063	1,343	1,539	1,350	1,050	1,149	1,358	1,981	1,494	1,410
90% Exceedance	506	637	651	712	1,330	916	852	917	810	1,545	1,369	754
Full Simulation Period Average[a]	1,395	2,535	3,953	5,297	6,307	3,976	3,471	3,453	2,671	3,243	2,102	1,723
Wet Water Years (28%)	1,769	4,000	4,824	11,646	12,307	7,643	6,758	6,245	3,516	3,454	2,635	2,367
Above Normal Water Years (14%)	1,783	2,340	3,332	6,539	7,493	4,921	3,216	3,200	3,141	4,416	2,082	2,131
Below Normal Water Years (18%)	1,467	1,936	4,092	2,902	4,314	2,732	2,736	2,811	2,598	4,344	2,260	1,613
Dry Water Years (24%)	1,131	2,200	5,124	1,625	3,176	2,012	2,077	2,351	2,416	2,705	1,777	1,388
Critical Water Years (16%)	647	1,251	905	1,303	1,712	1,075	862	1,165	1,244	1,416	1,495	867

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-7b. American River at H Street, Alternative 4, Monthly Flow (cfs)

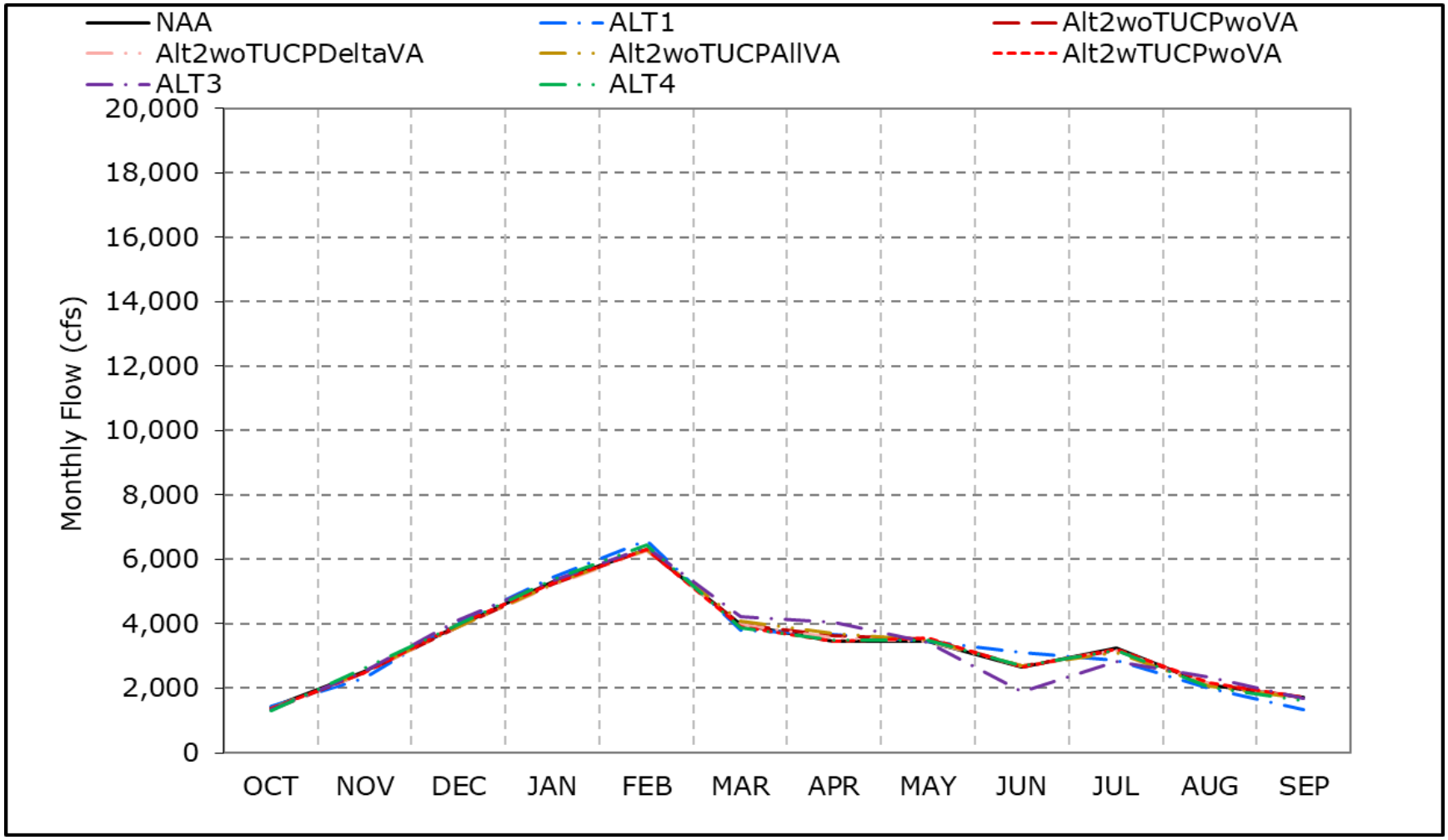
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,068	4,806	11,446	12,879	13,930	9,757	7,755	8,259	4,842	4,896	3,187	2,249
20% Exceedance	1,646	3,894	5,130	8,748	11,065	5,989	5,925	5,869	3,797	4,181	2,573	1,851
30% Exceedance	1,477	3,388	3,458	6,193	7,609	4,606	4,079	4,139	3,076	3,829	2,274	1,685
40% Exceedance	1,404	2,496	2,758	4,049	5,841	3,114	3,185	3,011	2,791	3,488	2,082	1,621
50% Exceedance	1,386	1,959	2,023	2,948	4,378	2,495	2,385	2,415	2,553	3,261	1,837	1,611
60% Exceedance	1,132	1,452	1,472	1,839	3,338	1,700	1,456	1,911	2,161	2,858	1,708	1,557
70% Exceedance	794	1,315	1,425	1,279	2,363	1,365	1,176	1,432	1,886	2,513	1,616	1,480
80% Exceedance	594	789	928	993	1,544	880	877	1,311	1,443	2,141	1,540	1,337
90% Exceedance	494	574	604	663	1,022	619	627	792	928	1,623	1,356	624
Full Simulation Period Average[a]	1,312	2,612	3,982	5,383	6,451	3,887	3,488	3,489	2,682	3,171	2,050	1,604
Wet Water Years (28%)	1,767	4,186	4,813	11,717	12,307	7,659	6,745	6,246	3,534	3,267	2,585	2,156
Above Normal Water Years (14%)	1,600	2,562	3,461	6,724	7,637	4,936	3,217	3,214	3,177	4,120	1,976	1,763
Below Normal Water Years (18%)	1,366	1,806	4,125	3,058	4,597	2,606	2,730	2,887	2,701	4,136	2,215	1,680
Dry Water Years (24%)	1,016	2,278	5,080	1,607	3,540	1,883	2,215	2,485	2,366	2,807	1,823	1,350
Critical Water Years (16%)	583	1,228	1,021	1,405	1,618	814	788	1,085	1,213	1,637	1,337	797

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-13-7c. American River at H Street, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

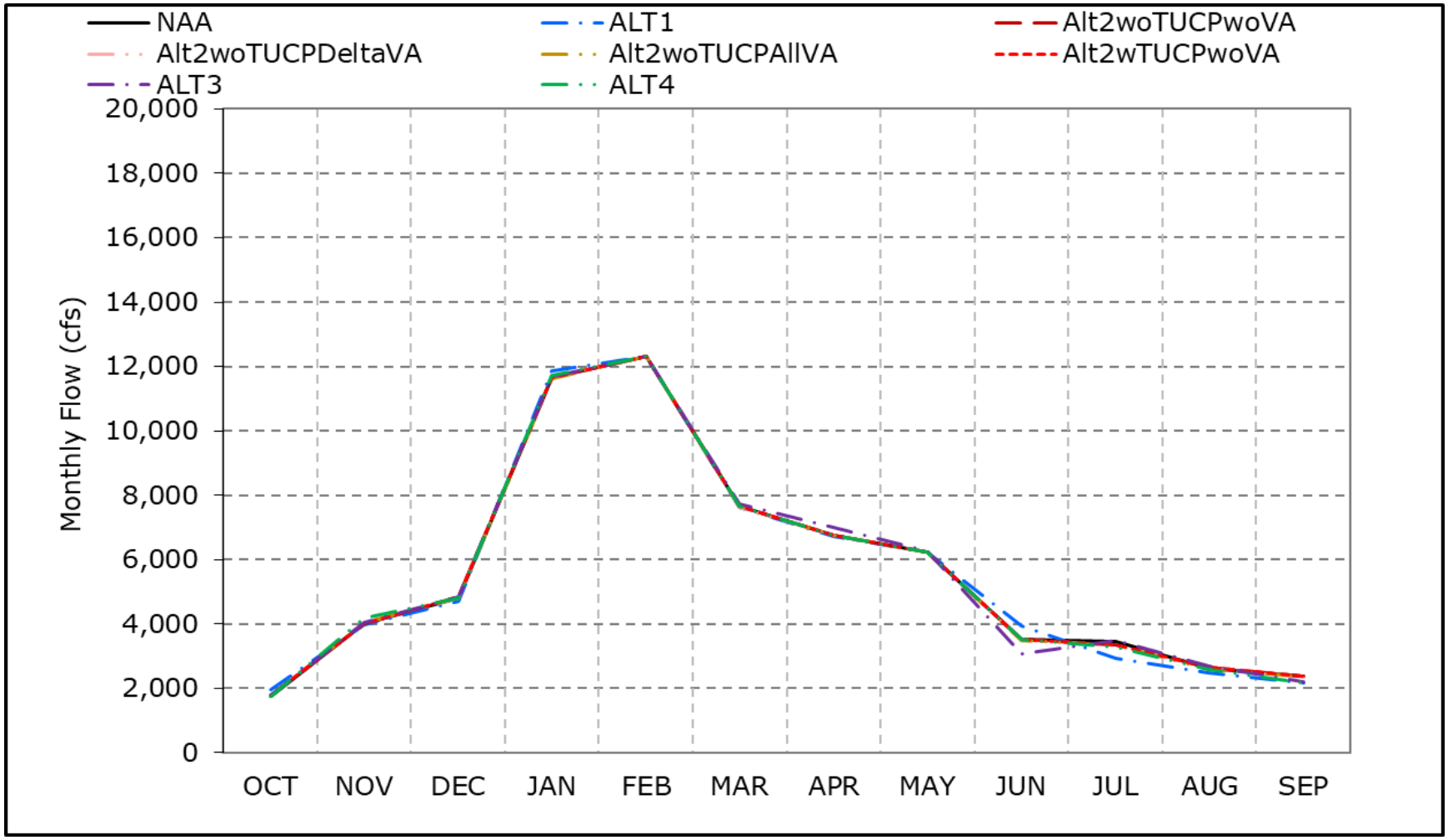
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-196	-17	394	2	1	0	0	0	-6	-349	52	-421
20% Exceedance	-4	210	230	505	446	389	0	-8	18	-522	-77	-550
30% Exceedance	-9	589	167	129	305	0	76	61	-10	-261	-164	-166
40% Exceedance	-13	196	518	124	139	-4	205	0	27	-147	-78	-12
50% Exceedance	-8	49	67	274	457	9	472	116	-12	166	-141	1
60% Exceedance	-248	-425	-459	168	367	19	8	173	6	129	-35	-25
70% Exceedance	-228	82	-421	-153	609	-152	-7	25	147	191	-11	-19
80% Exceedance	-49	-169	-134	-350	5	-470	-173	163	85	160	45	-73
90% Exceedance	-13	-63	-47	-49	-307	-297	-224	-126	117	78	-13	-130
Full Simulation Period Average[a]	-83	77	29	86	143	-89	17	35	11	-71	-51	-119
Wet Water Years (28%)	-1	186	-11	71	1	17	-13	0	18	-187	-50	-210
Above Normal Water Years (14%)	-183	222	129	185	144	15	1	14	35	-296	-107	-368
Below Normal Water Years (18%)	-102	-130	32	156	283	-127	-6	76	103	-208	-46	67
Dry Water Years (24%)	-115	78	-44	-18	364	-130	139	134	-50	102	46	-38
Critical Water Years (16%)	-64	-22	116	102	-95	-261	-74	-80	-31	220	-158	-70

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



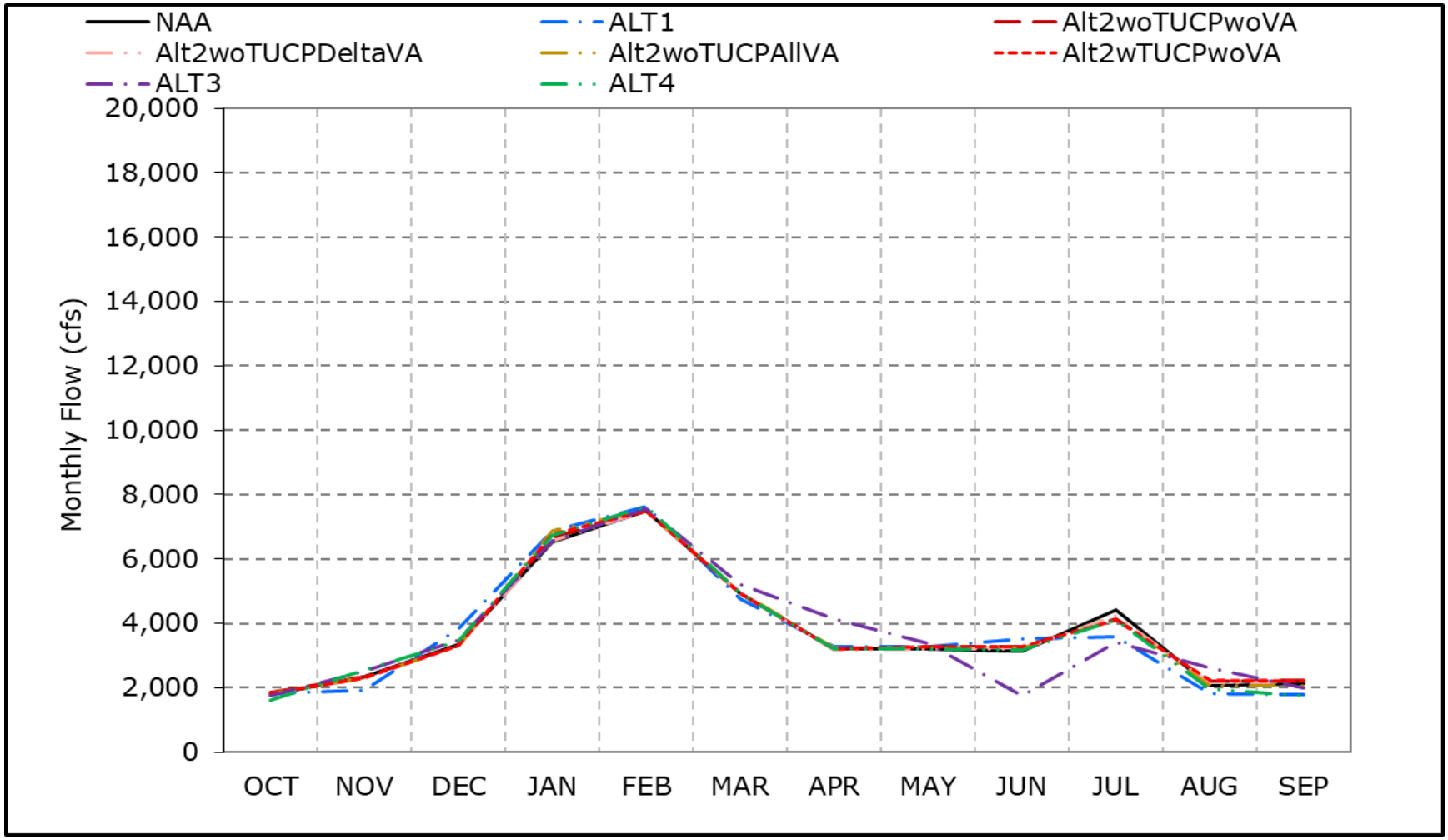
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-1. American River at H Street, Long-Term Average Flow



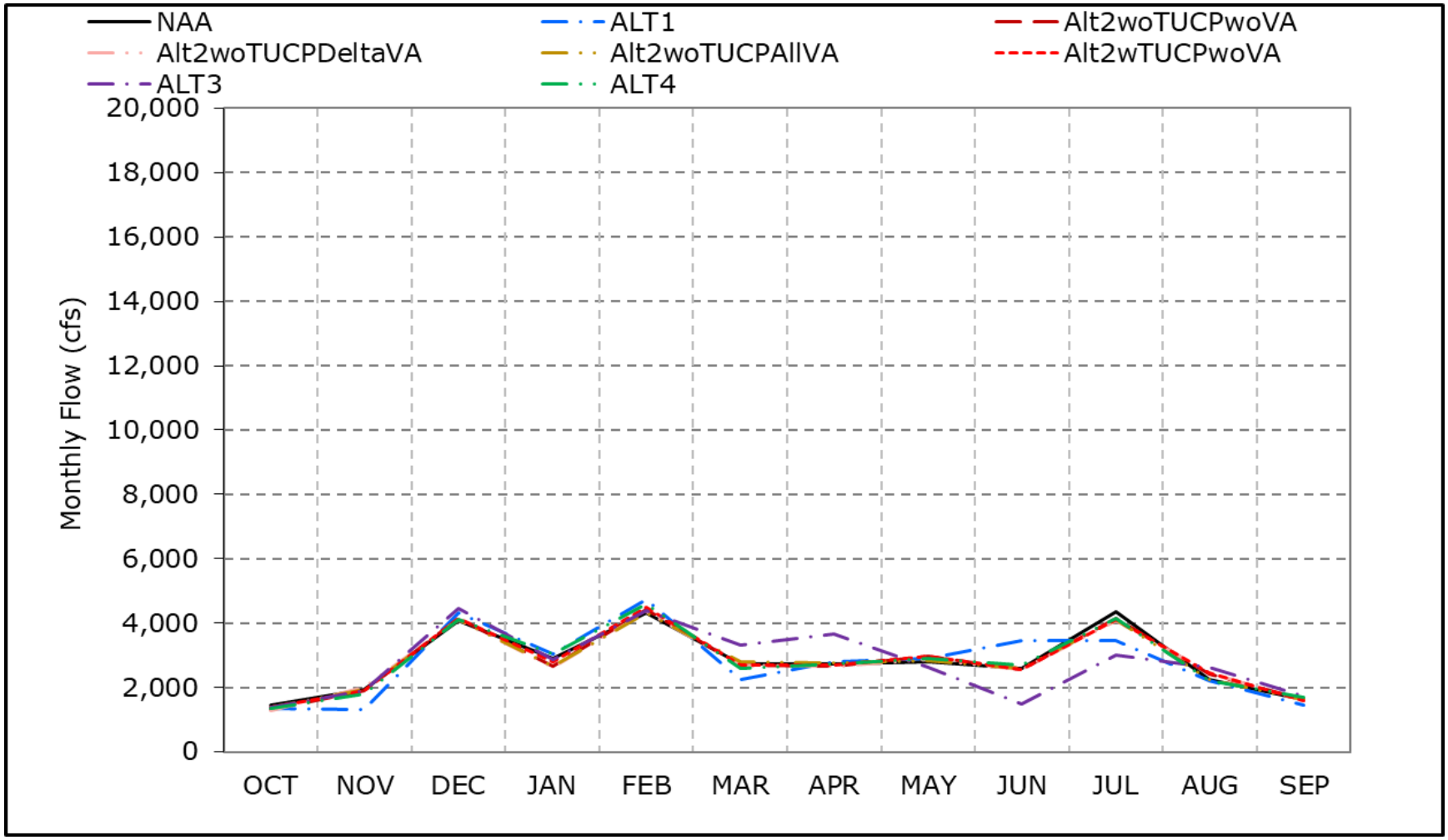
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-2. American River at H Street, Wet Year Average Flow



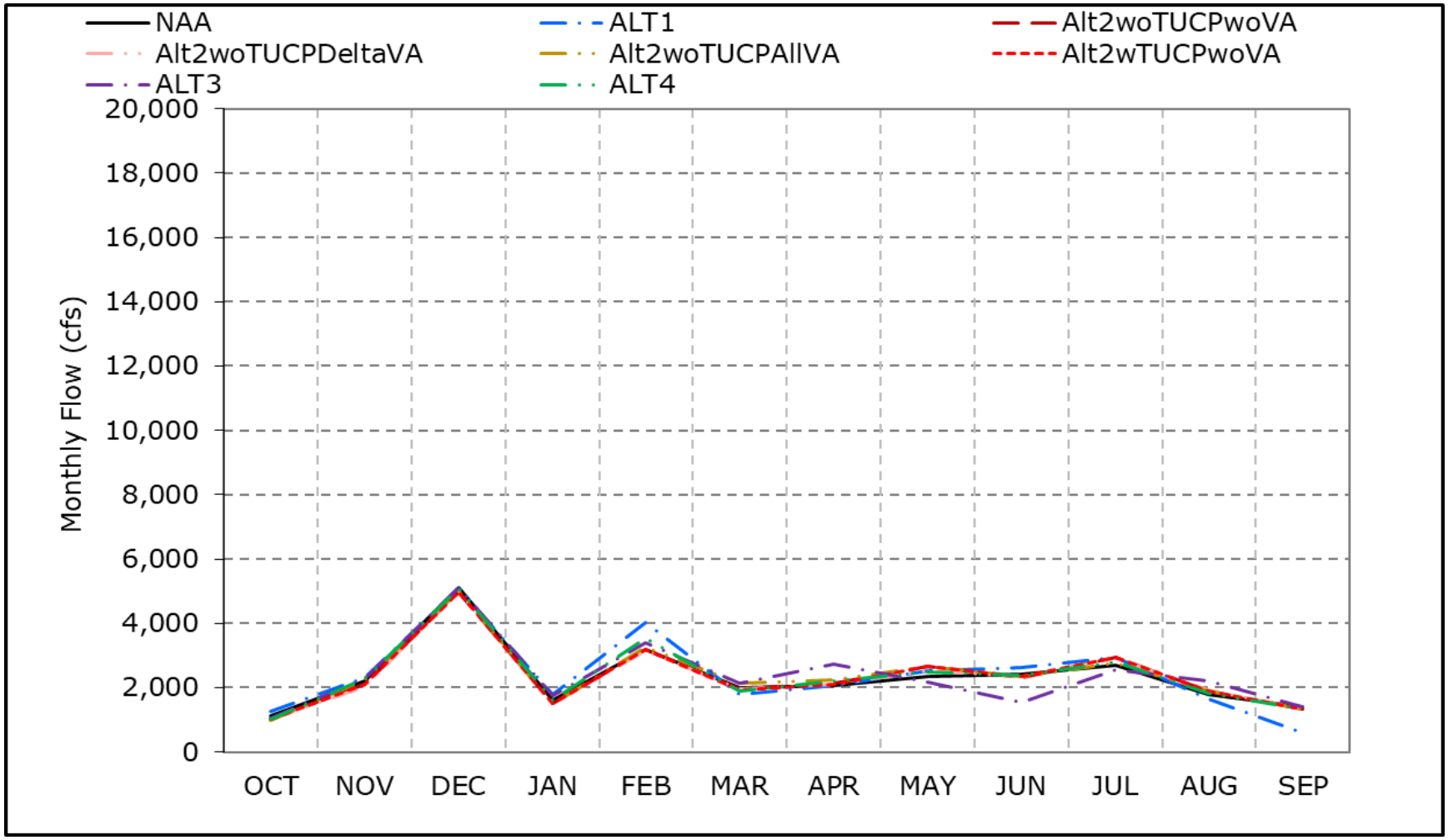
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-3. American River at H Street, Above Normal Year Average Flow



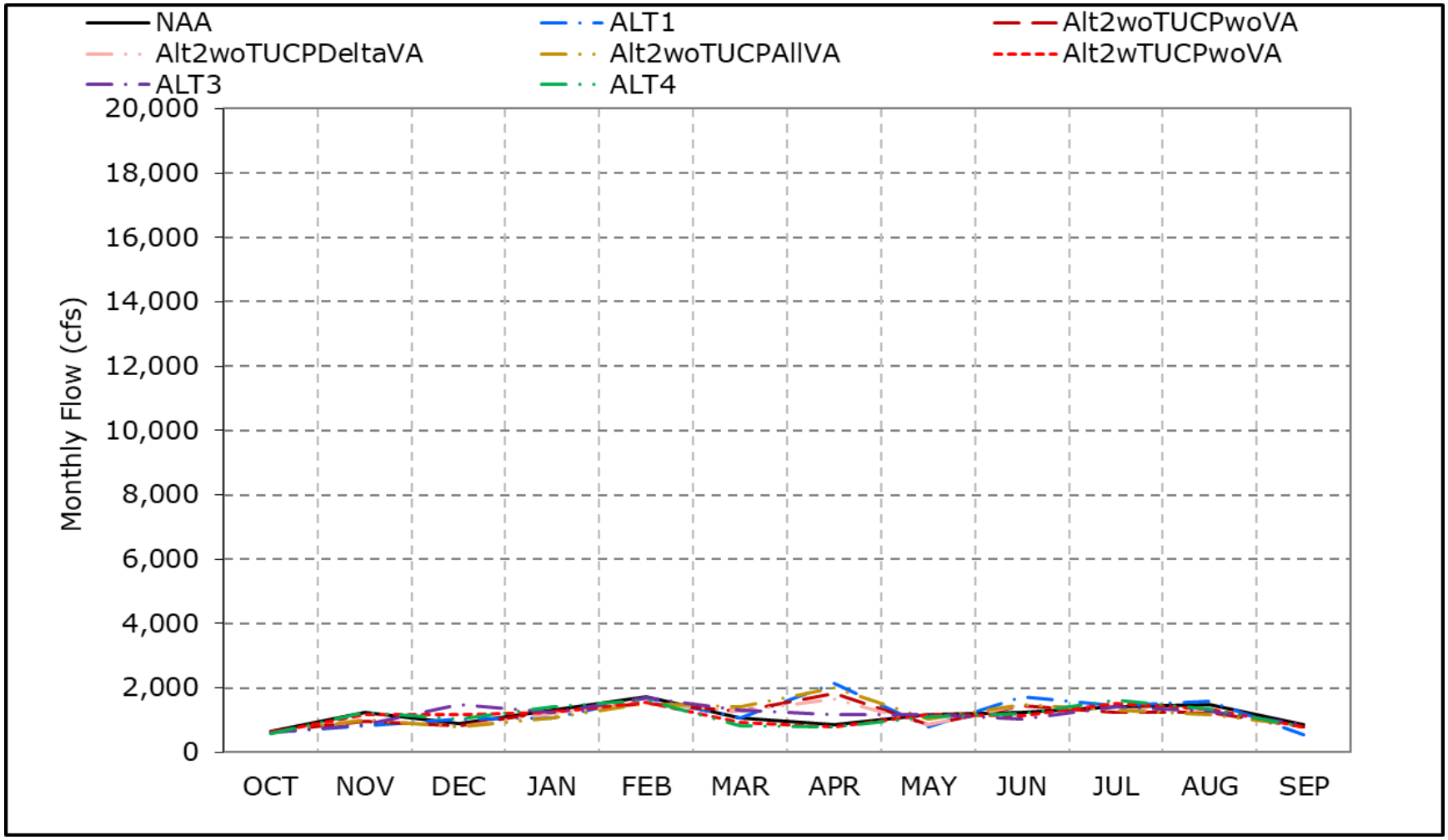
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-4. American River at H Street, Below Normal Year Average Flow



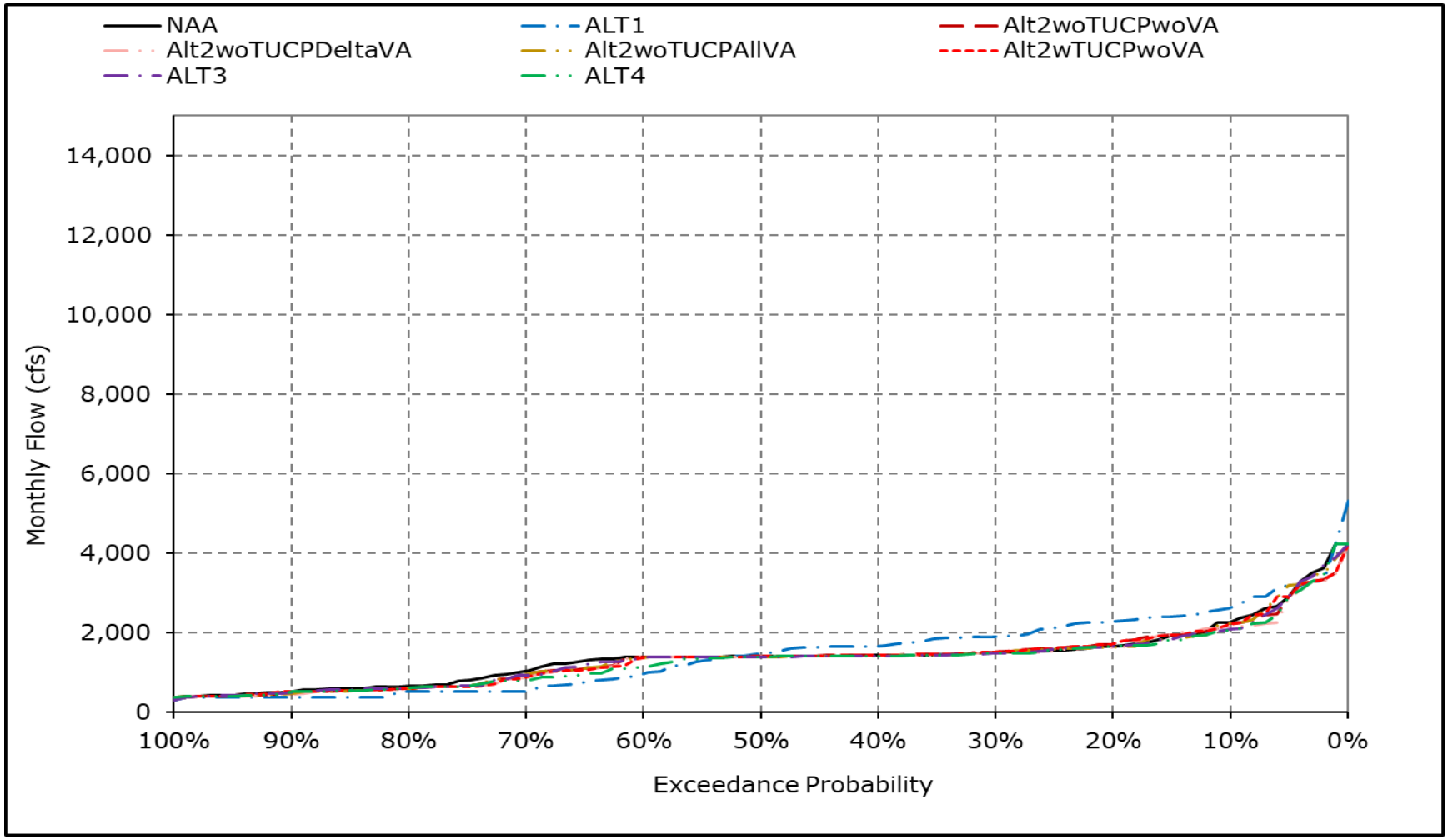
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-5. American River at H Street, Dry Year Average Flow



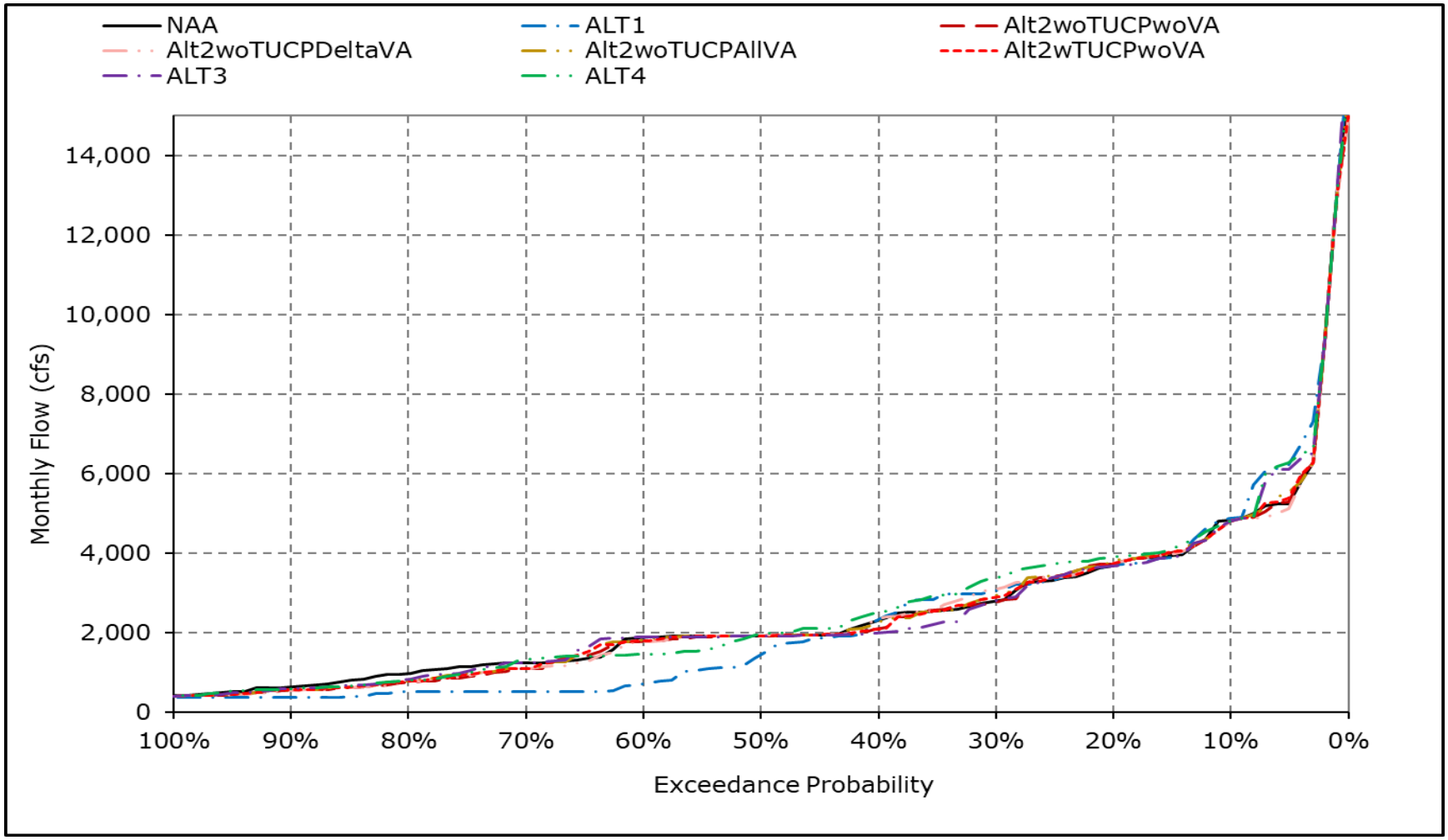
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-6. American River at H Street, Critical Year Average Flow



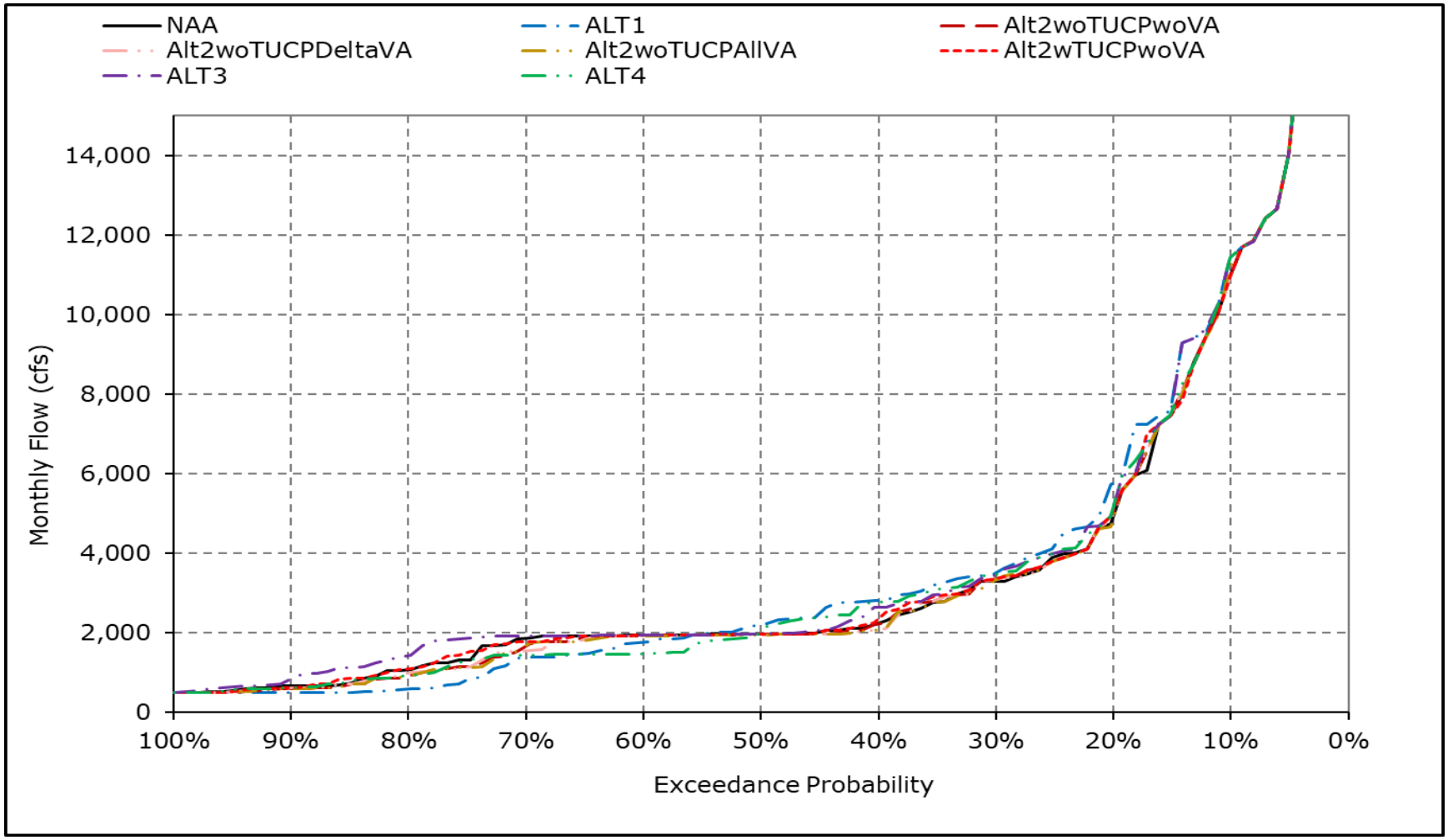
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-7. American River at H Street, October



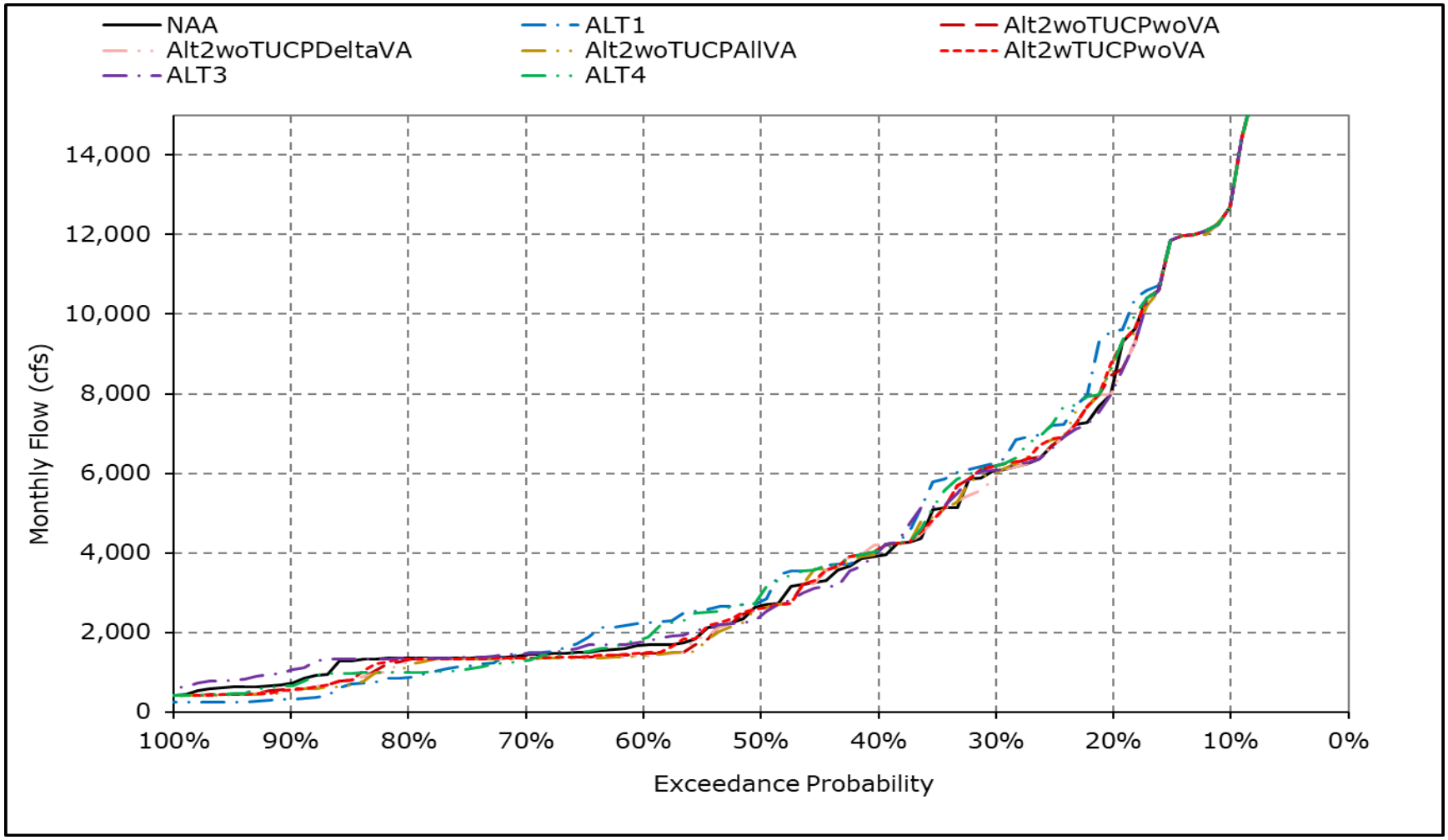
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-8. American River at H Street, November



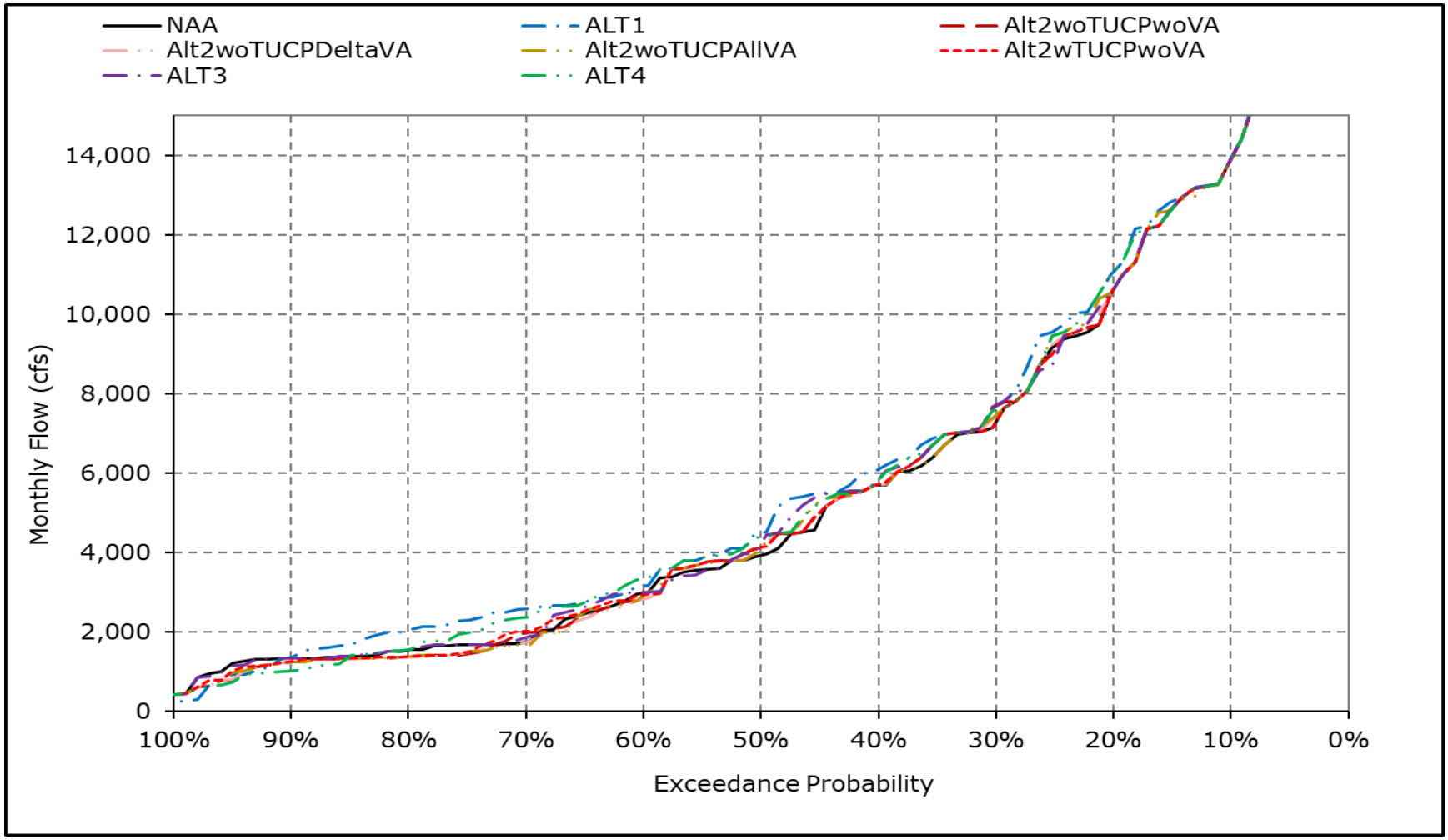
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-9. American River at H Street, December



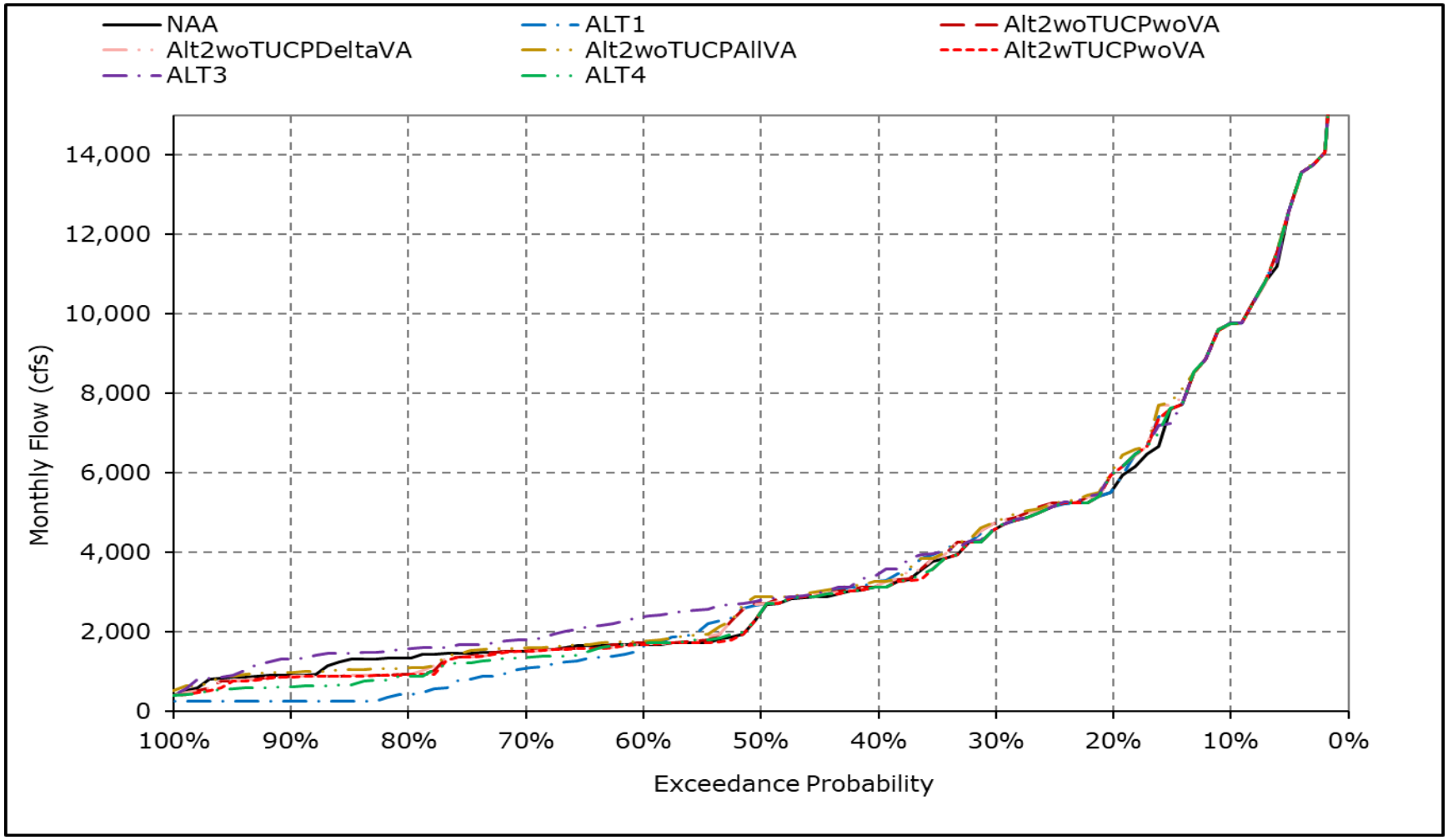
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-10. American River at H Street, January



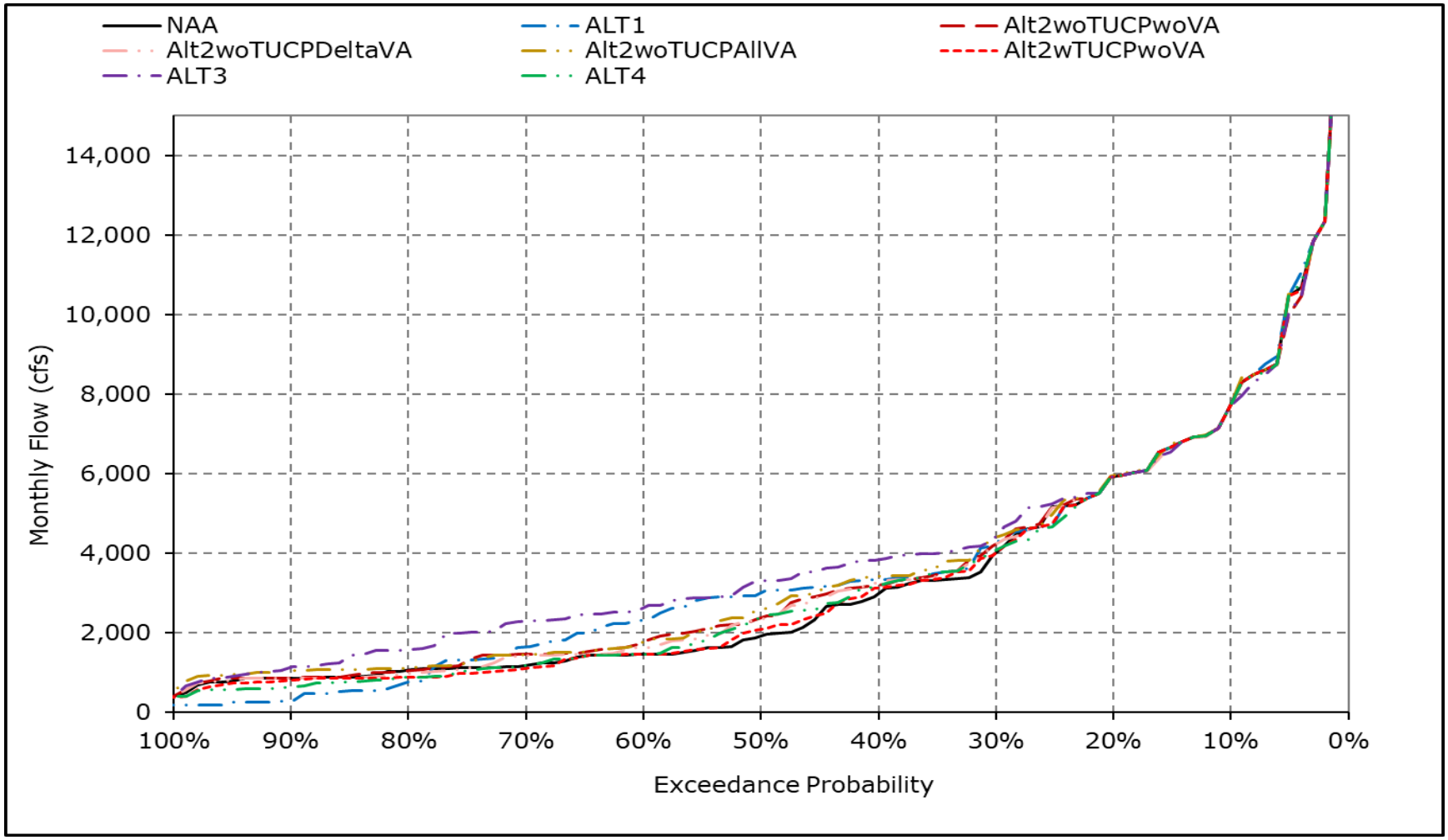
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-11. American River at H Street, February



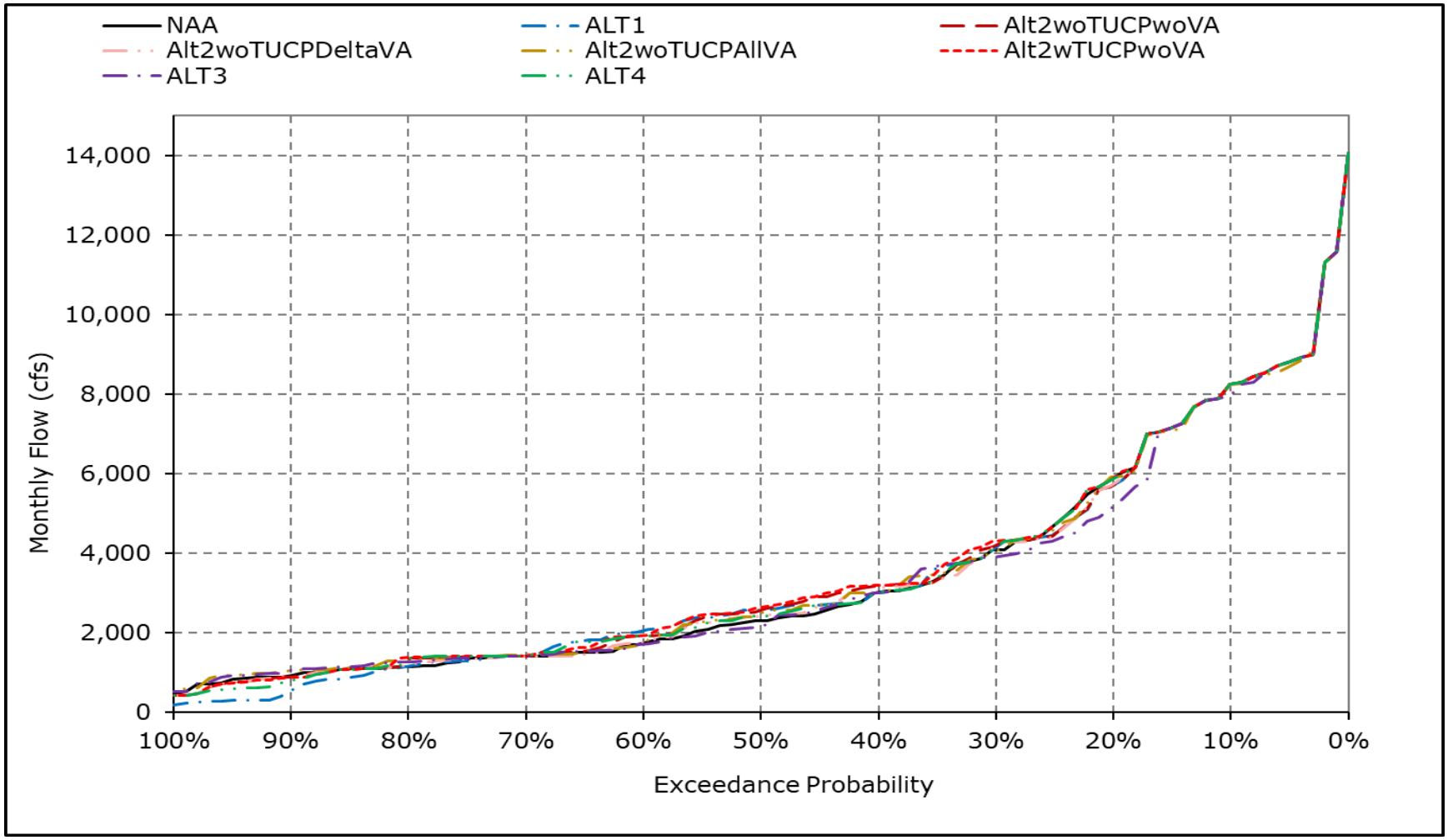
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-12. American River at H Street, March



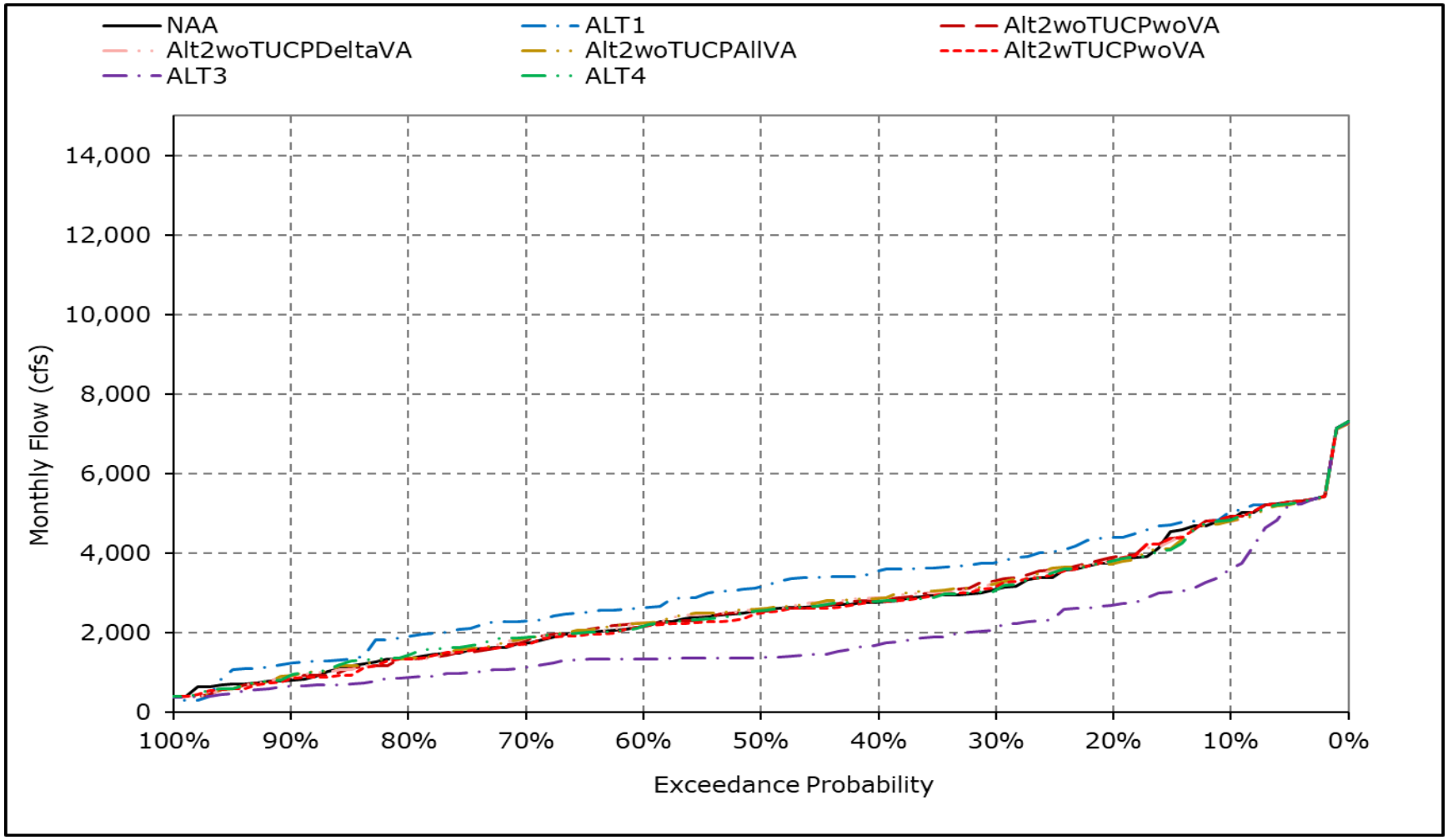
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-13. American River at H Street, April



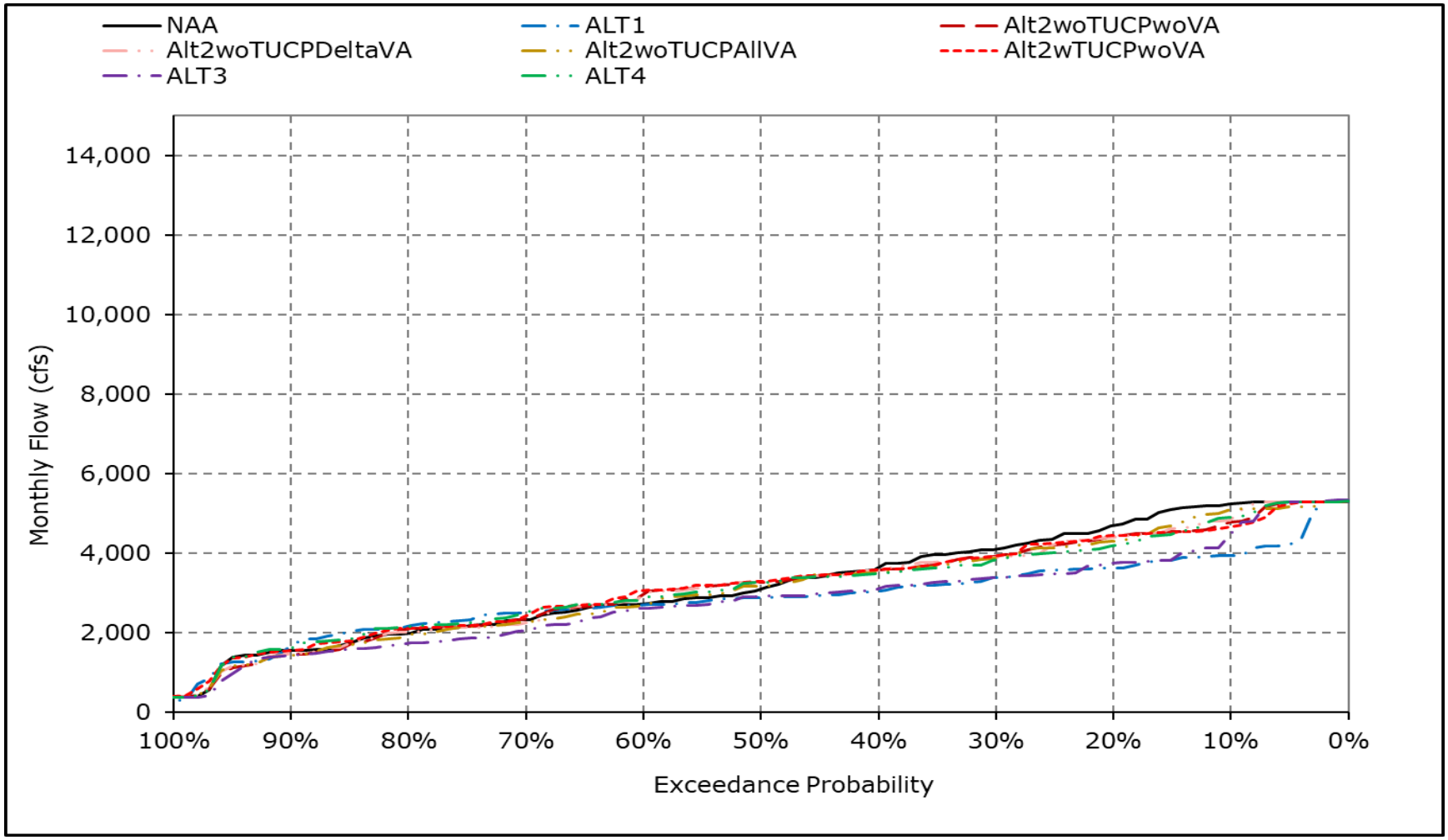
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-14. American River at H Street, May



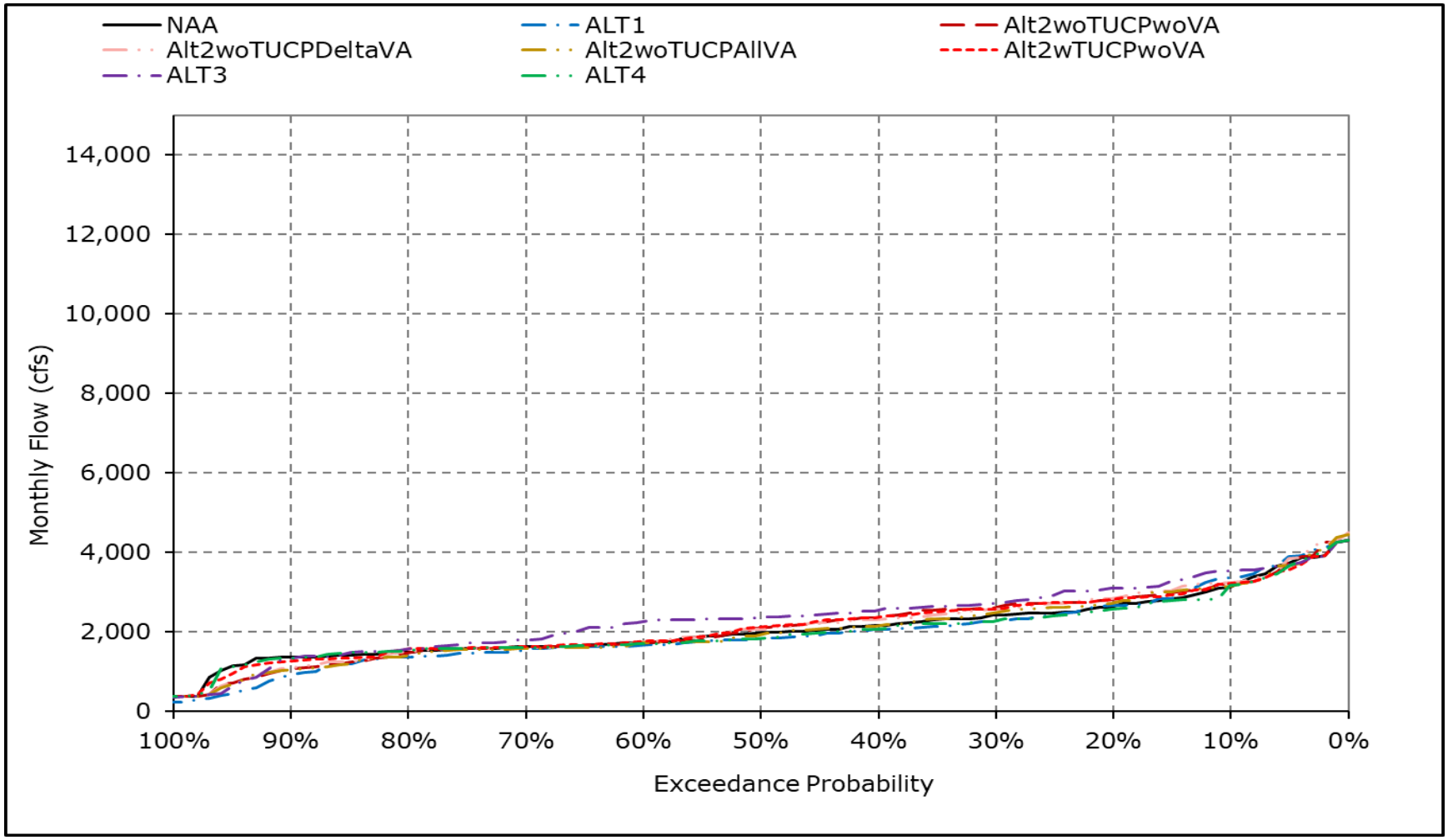
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-15. American River at H Street, June



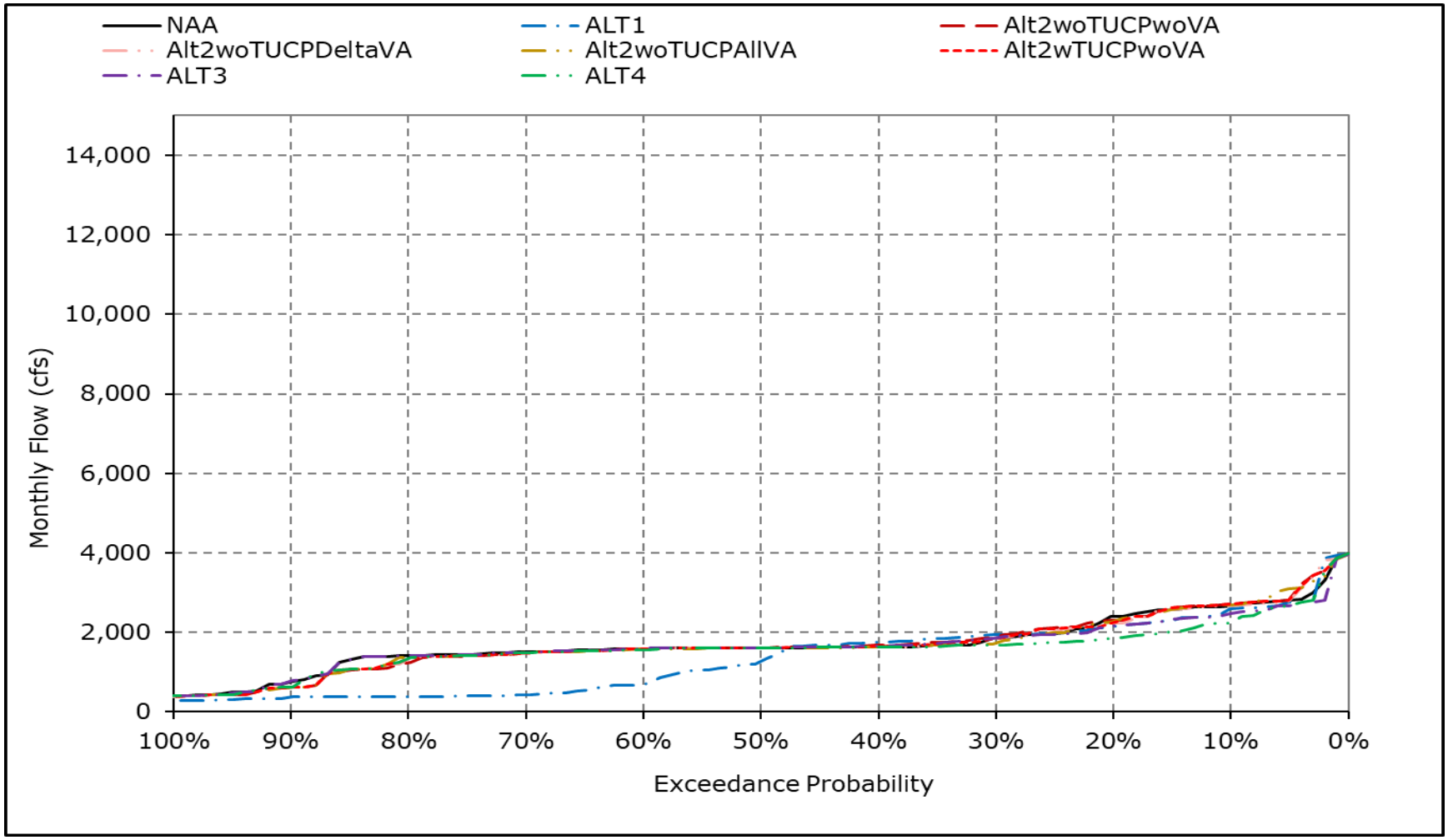
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-16. American River at H Street, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-17. American River at H Street, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-18. American River at H Street, September

Table F.2.2-14-1a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-1b. Sacramento River Flow at Freeport, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,326	19,397	55,644	67,468	72,963	68,474	47,143	29,644	19,150	21,112	16,949	17,587
20% Exceedance	14,153	15,051	39,055	58,389	64,501	57,438	34,724	22,843	17,893	20,280	16,430	16,240
30% Exceedance	12,937	13,413	26,442	39,075	51,278	43,781	25,719	17,819	16,247	19,766	15,923	14,544
40% Exceedance	11,839	12,152	20,398	30,257	46,613	31,882	20,054	14,278	15,504	18,586	15,692	13,801
50% Exceedance	10,449	11,077	16,498	25,931	30,533	24,832	15,481	12,854	14,202	17,791	14,934	11,401
60% Exceedance	9,290	10,233	14,987	20,195	23,613	21,105	13,124	12,108	13,501	16,512	11,628	9,884
70% Exceedance	8,438	8,734	11,659	14,671	19,479	18,796	12,175	11,525	12,679	15,026	9,910	9,253
80% Exceedance	7,008	7,641	9,790	12,267	16,372	14,303	11,496	10,752	11,585	13,415	9,159	8,681
90% Exceedance	6,190	6,909	8,868	10,380	13,979	10,534	10,383	8,946	10,299	10,540	8,071	8,098
Full Simulation Period Average[a]	11,033	13,017	24,482	32,142	38,682	33,394	23,221	16,769	14,854	16,848	13,161	12,329
Wet Water Years (28%)	14,249	17,146	27,278	55,334	62,753	54,791	41,126	25,386	17,172	18,737	15,714	15,869
Above Normal Water Years (14%)	12,942	13,696	25,116	43,028	51,153	45,408	24,414	18,026	17,026	20,723	16,547	15,096
Below Normal Water Years (18%)	10,400	11,532	28,295	26,150	28,089	26,069	17,839	15,363	15,851	18,491	14,584	12,579
Dry Water Years (24%)	9,772	12,691	24,281	15,972	26,481	20,732	14,545	12,666	13,635	15,569	10,636	9,368
Critical Water Years (16%)	5,901	6,936	14,377	13,027	15,861	12,673	9,913	8,325	9,602	10,223	7,916	7,870

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-1c. Sacramento River Flow at Freeport, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-219	240	518	974	-462	182	-34	23	3,053	-2,659	-1,966	-2,846
20% Exceedance	371	372	1,744	1,032	373	6	-296	-12	3,470	-2,322	-1,682	-3,189
30% Exceedance	-224	-170	259	1,098	85	522	365	730	2,201	-1,622	-1,556	-2,047
40% Exceedance	-344	-1,164	757	522	3,238	763	-145	-431	1,873	-982	-1,258	-1,431
50% Exceedance	-606	-1,376	-126	1,367	-620	377	-313	236	787	-298	-889	-371
60% Exceedance	-145	-1,362	965	259	9	-677	-542	-17	660	-425	-1,469	-595
70% Exceedance	521	-1,139	-626	570	-317	-135	269	12	562	-431	-1,056	-813
80% Exceedance	119	-769	-1,010	-483	-1,114	-409	597	278	302	-63	-314	-594
90% Exceedance	62	-259	-485	-539	524	-535	2,162	1,273	1,895	2,467	-183	-420
Full Simulation Period Average[a]	-70	-512	381	277	391	-14	393	138	1,479	-791	-1,007	-1,362
Wet Water Years (28%)	-202	-288	245	492	-6	-60	-354	296	1,485	-1,118	-1,752	-3,304
Above Normal Water Years (14%)	-460	-1,333	1,864	817	414	-720	-331	435	2,728	-1,878	-2,123	-2,678
Below Normal Water Years (18%)	-166	-708	28	306	1,326	631	249	-454	2,544	-1,857	-849	962
Dry Water Years (24%)	496	25	17	33	692	-204	275	110	131	-460	-286	-739
Critical Water Years (16%)	-223	-736	157	-239	-441	244	2,672	308	1,198	1,436	15	-360

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-2a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-2b. Sacramento River Flow at Freeport, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,553	19,132	55,409	67,322	73,615	68,339	47,130	29,610	16,153	22,723	18,978	21,291
20% Exceedance	13,991	14,965	37,240	56,650	64,123	57,436	35,093	22,861	14,431	21,793	17,861	19,271
30% Exceedance	13,359	14,124	25,832	37,612	51,097	43,667	25,479	17,538	13,616	21,054	17,445	16,889
40% Exceedance	12,480	13,343	19,581	29,042	44,017	31,179	20,234	14,463	13,338	18,895	16,891	15,500
50% Exceedance	10,877	12,532	16,158	24,538	30,766	24,807	15,824	12,612	12,938	18,394	15,727	11,769
60% Exceedance	9,264	11,154	14,257	19,748	23,407	21,671	13,561	12,045	12,812	16,804	12,616	10,732
70% Exceedance	7,893	9,898	12,291	15,262	19,698	18,887	11,854	11,424	12,296	15,072	10,186	9,943
80% Exceedance	6,673	8,405	10,533	12,912	16,983	14,939	11,371	10,542	11,471	12,264	8,877	9,302
90% Exceedance	6,065	7,111	9,130	10,991	13,073	11,117	10,012	9,018	9,856	10,203	7,924	8,207
Full Simulation Period Average[a]	11,080	13,561	24,159	31,960	38,259	33,486	23,226	16,677	13,450	17,355	13,995	13,799
Wet Water Years (28%)	14,420	17,435	27,047	55,011	62,775	54,857	41,475	25,181	15,866	19,439	17,255	19,242
Above Normal Water Years (14%)	13,810	15,063	23,168	42,376	50,629	45,823	24,685	17,665	14,356	22,034	18,544	18,526
Below Normal Water Years (18%)	10,353	12,482	28,449	25,630	26,879	25,563	17,415	15,475	13,303	19,706	15,357	11,749
Dry Water Years (24%)	9,203	12,569	24,454	16,114	25,804	20,887	14,310	12,658	12,994	15,424	10,710	10,054
Critical Water Years (16%)	5,989	7,709	14,140	13,396	16,014	13,103	9,922	8,314	9,278	9,864	7,707	8,061

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-2c. Sacramento River Flow at Freeport, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8	-25	283	827	190	47	-47	-11	55	-1,048	62	858
20% Exceedance	209	286	-71	-707	-5	3	72	6	9	-810	-250	-158
30% Exceedance	198	541	-351	-364	-96	409	126	449	-430	-334	-35	297
40% Exceedance	297	27	-60	-692	642	61	35	-246	-293	-673	-59	268
50% Exceedance	-178	79	-466	-25	-387	351	29	-6	-477	306	-96	-2
60% Exceedance	-170	-441	236	-188	-198	-111	-106	-79	-29	-134	-481	253
70% Exceedance	-24	25	6	1,161	-97	-44	-52	-89	180	-385	-780	-123
80% Exceedance	-216	-5	-268	161	-503	226	472	69	188	-1,214	-596	27
90% Exceedance	-63	-57	-224	72	-383	48	1,791	1,344	1,452	2,131	-329	-312
Full Simulation Period Average[a]	-23	31	58	95	-32	77	397	46	75	-285	-173	108
Wet Water Years (28%)	-30	0	14	169	16	5	-5	91	179	-416	-212	69
Above Normal Water Years (14%)	409	34	-84	164	-110	-305	-60	74	58	-567	-125	752
Below Normal Water Years (18%)	-214	242	182	-214	117	126	-176	-342	-4	-642	-76	131
Dry Water Years (24%)	-73	-97	190	175	15	-49	40	102	-511	-605	-212	-53
Critical Water Years (16%)	-135	37	-79	130	-288	674	2,681	297	875	1,077	-194	-170

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-3a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-3b. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,548	19,162	55,243	67,297	73,614	68,567	47,160	29,592	15,516	22,903	18,818	21,291
20% Exceedance	13,963	14,775	37,447	56,744	64,123	57,436	35,031	22,863	14,322	21,920	18,129	19,057
30% Exceedance	13,382	14,147	25,848	37,700	51,389	43,644	25,481	17,353	13,605	21,261	17,387	17,101
40% Exceedance	12,529	13,535	19,581	28,992	43,699	31,167	20,053	14,405	13,328	19,268	16,898	15,426
50% Exceedance	10,825	13,163	16,138	24,482	31,255	24,493	15,819	12,499	12,945	18,192	15,713	12,207
60% Exceedance	9,259	11,887	14,176	19,734	23,414	21,360	13,610	12,002	12,738	16,651	14,088	10,383
70% Exceedance	7,878	9,859	11,874	14,735	19,346	18,909	11,856	11,231	12,117	15,386	10,961	9,872
80% Exceedance	6,696	8,705	10,482	12,798	16,646	14,981	11,187	10,371	11,471	13,154	9,526	9,243
90% Exceedance	6,014	7,121	9,377	10,927	12,845	11,562	9,937	9,008	9,920	10,343	8,227	8,461
Full Simulation Period Average[a]	11,089	13,645	24,075	31,776	38,129	33,463	23,146	16,583	13,409	17,627	14,300	13,881
Wet Water Years (28%)	14,404	17,591	26,822	54,836	62,747	54,852	41,467	25,126	15,829	19,502	17,249	19,392
Above Normal Water Years (14%)	13,777	15,215	23,145	42,282	50,662	45,622	24,572	17,607	14,131	22,256	18,505	18,920
Below Normal Water Years (18%)	10,590	12,570	28,449	25,543	26,774	25,453	17,396	15,216	13,386	19,730	16,012	11,646
Dry Water Years (24%)	9,212	12,515	24,440	15,942	25,803	20,886	14,104	12,551	12,879	15,902	11,333	10,019
Critical Water Years (16%)	5,818	7,805	14,045	12,989	15,346	13,268	9,867	8,324	9,361	10,516	7,983	8,136

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-3c. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	5	117	803	189	276	-17	-30	-581	-868	-97	858
20% Exceedance	181	96	136	-613	-5	4	11	8	-100	-682	18	-372
30% Exceedance	221	564	-335	-276	196	386	128	264	-440	-127	-92	509
40% Exceedance	346	219	-60	-742	323	49	-146	-304	-303	-300	-52	194
50% Exceedance	-230	711	-485	-81	102	38	25	-120	-470	104	-111	436
60% Exceedance	-176	292	155	-202	-190	-421	-56	-122	-103	-287	991	-97
70% Exceedance	-39	-14	-411	634	-450	-22	-50	-281	1	-71	-5	-193
80% Exceedance	-193	294	-319	48	-840	269	288	-102	188	-324	53	-31
90% Exceedance	-113	-46	23	8	-610	493	1,716	1,334	1,516	2,270	-27	-58
Full Simulation Period Average[a]	-14	115	-26	-90	-162	54	317	-48	34	-12	132	191
Wet Water Years (28%)	-47	157	-211	-6	-13	1	-13	36	142	-353	-218	219
Above Normal Water Years (14%)	375	186	-107	70	-77	-506	-172	16	-167	-345	-164	1,147
Below Normal Water Years (18%)	23	330	182	-301	12	15	-195	-601	79	-618	579	28
Dry Water Years (24%)	-64	-150	176	3	14	-51	-166	-5	-625	-127	411	-88
Critical Water Years (16%)	-306	132	-175	-277	-956	840	2,626	307	957	1,729	82	-94

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-4a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-4b. Sacramento River Flow at Freeport, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,546	19,230	55,671	67,840	73,869	68,549	47,674	29,585	15,139	23,232	18,857	21,293
20% Exceedance	14,076	14,924	37,423	57,309	64,193	57,494	36,819	23,147	13,978	22,212	18,042	19,208
30% Exceedance	13,281	14,328	25,921	37,896	51,435	43,321	27,176	17,459	13,512	21,181	17,315	16,919
40% Exceedance	12,540	13,517	19,596	29,079	43,403	31,238	21,471	15,419	13,040	19,609	16,952	15,771
50% Exceedance	10,999	13,049	16,124	24,954	31,298	24,596	17,466	13,619	12,871	18,090	15,860	11,973
60% Exceedance	9,353	11,744	14,107	19,704	23,390	21,544	14,744	12,341	12,564	16,503	14,018	10,661
70% Exceedance	7,885	9,657	11,892	15,142	19,679	19,042	13,389	11,786	11,859	15,288	10,773	9,895
80% Exceedance	6,709	8,511	10,518	12,855	16,989	14,942	11,778	10,682	11,211	12,781	9,714	9,254
90% Exceedance	6,040	7,082	9,014	10,913	13,064	11,261	10,737	9,652	9,584	10,326	8,104	8,370
Full Simulation Period Average[a]	11,127	13,712	24,121	31,956	38,342	33,474	24,293	17,216	13,245	17,598	14,317	13,852
Wet Water Years (28%)	14,430	17,582	26,809	55,021	62,948	54,790	41,709	25,223	15,800	19,531	17,285	19,306
Above Normal Water Years (14%)	13,813	15,292	23,231	42,709	50,839	45,404	26,394	18,905	13,833	22,346	18,475	18,639
Below Normal Water Years (18%)	10,649	12,618	28,479	25,586	26,793	25,559	19,715	16,328	12,976	19,805	15,977	11,855
Dry Water Years (24%)	9,186	12,840	24,598	15,931	25,892	21,074	15,540	13,153	12,745	15,641	11,331	10,012
Critical Water Years (16%)	5,955	7,615	14,002	13,387	16,015	13,235	10,253	8,819	9,311	10,513	8,093	8,127

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-4c. Sacramento River Flow at Freeport, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	72	545	1,346	444	258	497	-36	-959	-539	-59	860
20% Exceedance	294	246	112	-48	65	62	1,798	292	-444	-391	-70	-221
30% Exceedance	121	746	-262	-80	241	63	1,823	370	-534	-207	-164	328
40% Exceedance	356	201	-44	-656	28	120	1,272	710	-592	41	2	539
50% Exceedance	-56	597	-499	391	145	141	1,671	1,001	-544	1	37	201
60% Exceedance	-82	149	86	-232	-215	-238	1,077	216	-277	-435	921	182
70% Exceedance	-32	-216	-393	1,040	-116	111	1,483	274	-258	-169	-193	-171
80% Exceedance	-180	101	-283	104	-498	230	880	209	-72	-697	241	-21
90% Exceedance	-87	-86	-339	-6	-391	192	2,516	1,979	1,180	2,254	-149	-149
Full Simulation Period Average[a]	24	182	20	91	51	65	1,464	585	-130	-41	149	162
Wet Water Years (28%)	-21	148	-224	179	188	-62	229	133	113	-324	-181	133
Above Normal Water Years (14%)	412	263	-21	498	100	-724	1,650	1,313	-465	-255	-195	866
Below Normal Water Years (18%)	83	378	212	-258	31	121	2,124	512	-331	-543	545	237
Dry Water Years (24%)	-90	174	334	-8	103	138	1,270	597	-759	-388	409	-95
Critical Water Years (16%)	-169	-58	-218	121	-287	806	3,013	802	907	1,726	192	-103

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-5a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-5b. Sacramento River Flow at Freeport, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,553	19,150	55,364	67,252	73,615	68,257	47,195	29,611	16,153	22,770	18,959	21,291
20% Exceedance	14,005	14,820	37,238	57,645	64,124	57,437	35,095	22,863	14,431	21,880	18,090	19,258
30% Exceedance	13,360	14,123	25,899	37,614	51,179	43,668	25,499	17,539	13,616	21,236	17,445	16,892
40% Exceedance	12,474	13,343	19,581	29,901	43,752	31,182	20,208	14,649	13,359	19,103	16,888	15,497
50% Exceedance	10,825	12,540	16,820	24,556	30,781	24,810	15,825	12,701	12,940	18,396	15,818	12,201
60% Exceedance	9,408	11,162	14,245	19,761	23,408	21,675	13,561	12,122	12,813	16,896	13,256	10,763
70% Exceedance	7,888	9,898	12,258	15,260	19,699	18,889	11,857	11,475	12,297	15,362	10,794	10,015
80% Exceedance	6,677	8,448	10,663	12,915	17,214	14,745	11,132	10,543	11,207	12,420	8,909	9,241
90% Exceedance	6,096	7,111	9,596	10,818	13,074	10,732	8,568	8,028	9,670	8,033	7,684	8,347
Full Simulation Period Average[a]	11,124	13,635	24,252	31,981	38,299	33,368	22,871	16,680	13,323	17,223	14,074	13,848
Wet Water Years (28%)	14,424	17,434	27,060	55,030	62,777	54,861	41,482	25,184	15,866	19,439	17,252	19,252
Above Normal Water Years (14%)	13,823	15,038	23,179	42,600	50,666	46,125	24,726	17,676	14,358	22,033	18,605	18,569
Below Normal Water Years (18%)	10,430	12,608	28,474	25,807	27,051	25,588	17,501	15,540	13,313	20,000	15,792	11,877
Dry Water Years (24%)	9,210	12,572	24,436	16,114	25,855	20,879	14,313	12,669	12,993	15,490	10,741	10,060
Critical Water Years (16%)	6,159	8,074	14,722	13,099	15,958	12,079	7,560	8,227	8,473	8,613	7,616	8,160

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-5c. Sacramento River Flow at Freeport, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8	-7	238	758	190	-34	18	-10	56	-1,001	44	857
20% Exceedance	223	142	-73	288	-5	4	75	7	9	-723	-22	-171
30% Exceedance	199	540	-284	-363	-15	409	146	450	-430	-152	-34	300
40% Exceedance	291	27	-59	166	377	63	9	-60	-273	-465	-62	265
50% Exceedance	-230	87	197	-8	-372	354	30	82	-476	307	-5	429
60% Exceedance	-27	-433	223	-175	-197	-107	-105	-2	-28	-42	159	284
70% Exceedance	-29	24	-26	1,158	-97	-42	-49	-37	180	-96	-172	-51
80% Exceedance	-212	37	-138	164	-272	33	234	70	-76	-1,058	-564	-33
90% Exceedance	-31	-57	242	-101	-381	-337	347	354	1,266	-40	-569	-172
Full Simulation Period Average[a]	21	105	150	115	8	-40	43	49	-52	-416	-94	158
Wet Water Years (28%)	-27	-1	27	187	18	9	2	93	179	-416	-215	79
Above Normal Water Years (14%)	422	9	-73	388	-73	-3	-19	85	60	-568	-65	796
Below Normal Water Years (18%)	-137	368	207	-37	289	151	-90	-277	6	-348	359	259
Dry Water Years (24%)	-66	-94	171	175	66	-58	43	113	-511	-540	-181	-47
Critical Water Years (16%)	35	401	503	-167	-344	-350	319	210	69	-174	-285	-70

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-6a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-6b. Sacramento River Flow at Freeport, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14,282	20,128	56,802	68,243	74,100	69,634	50,407	36,619	12,510	14,406	13,928	15,861
20% Exceedance	13,331	14,495	44,355	56,886	64,990	57,413	38,335	29,033	11,128	13,844	13,271	15,319
30% Exceedance	12,080	13,063	31,089	38,795	52,237	45,800	29,146	22,191	10,703	13,458	12,986	14,383
40% Exceedance	11,402	12,126	21,366	32,035	44,450	34,129	23,156	17,462	10,442	13,101	12,699	13,089
50% Exceedance	10,343	11,373	18,579	26,416	30,402	28,012	18,897	14,049	10,194	12,685	12,341	11,935
60% Exceedance	9,058	10,086	13,929	20,642	25,400	24,088	14,998	11,911	9,642	12,225	11,848	11,060
70% Exceedance	7,400	9,190	11,896	15,506	21,378	19,902	12,827	11,115	9,008	11,452	11,177	10,222
80% Exceedance	6,555	7,655	10,531	13,054	17,332	15,585	11,888	9,578	8,281	10,481	9,779	9,326
90% Exceedance	5,929	7,075	8,896	11,498	13,072	12,045	9,368	8,440	7,442	9,802	9,356	8,228
Full Simulation Period Average[a]	10,636	13,274	25,865	32,936	39,077	34,769	25,032	18,841	10,515	12,532	11,931	12,294
Wet Water Years (28%)	13,786	16,939	28,082	56,442	62,996	55,198	43,321	30,583	12,203	14,177	11,860	15,580
Above Normal Water Years (14%)	12,314	14,351	25,599	43,485	52,146	47,793	28,473	22,398	9,168	12,495	12,525	14,918
Below Normal Water Years (18%)	9,985	12,298	30,848	26,833	28,801	28,484	20,774	15,779	9,548	11,908	12,563	11,676
Dry Water Years (24%)	9,296	12,651	25,451	16,669	26,665	22,492	15,850	12,475	10,747	12,827	12,979	10,366
Critical Water Years (16%)	5,999	7,520	16,676	13,838	15,965	13,110	8,577	8,172	9,479	9,941	9,253	7,833

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-6c. Sacramento River Flow at Freeport, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,263	971	1,676	1,749	675	1,343	3,230	6,998	-3,588	-9,365	-4,987	-4,572
20% Exceedance	-451	-183	7,044	-471	862	-20	3,315	6,178	-3,294	-8,758	-4,840	-4,110
30% Exceedance	-1,081	-520	4,906	819	1,043	2,542	3,793	5,102	-3,342	-7,930	-4,494	-2,209
40% Exceedance	-781	-1,190	1,725	2,300	1,074	3,011	2,957	2,753	-3,189	-6,467	-4,252	-2,142
50% Exceedance	-713	-1,080	1,956	1,853	-751	3,557	3,102	1,430	-3,222	-5,404	-3,482	163
60% Exceedance	-376	-1,509	-92	706	1,796	2,306	1,331	-214	-3,199	-4,712	-1,249	581
70% Exceedance	-517	-683	-389	1,405	1,583	971	921	-397	-3,108	-4,005	211	157
80% Exceedance	-334	-755	-269	304	-154	873	990	-895	-3,002	-2,997	306	51
90% Exceedance	-199	-92	-458	580	-383	976	1,147	767	-962	1,730	1,102	-290
Full Simulation Period Average[a]	-468	-256	1,764	1,071	786	1,361	2,204	2,210	-2,860	-5,108	-2,237	-1,397
Wet Water Years (28%)	-665	-495	1,049	1,599	236	347	1,842	5,493	-3,484	-5,678	-5,607	-3,593
Above Normal Water Years (14%)	-1,087	-678	2,347	1,273	1,407	1,665	3,728	4,806	-5,130	-10,106	-6,145	-2,855
Below Normal Water Years (18%)	-581	58	2,581	989	2,039	3,047	3,184	-38	-3,759	-8,439	-2,869	58
Dry Water Years (24%)	20	-15	1,187	730	876	1,556	1,581	-81	-2,757	-3,202	2,057	258
Critical Water Years (16%)	-125	-152	2,457	573	-337	681	1,336	155	1,076	1,154	1,352	-397

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-7a. Sacramento River Flow at Freeport, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,545	19,157	55,126	66,494	73,425	68,291	47,177	29,621	16,098	23,771	18,915	20,433
20% Exceedance	13,782	14,678	37,311	57,357	64,128	57,432	35,020	22,855	14,422	22,602	18,112	19,429
30% Exceedance	13,160	13,583	26,183	37,976	51,194	43,258	25,354	17,089	14,046	21,388	17,479	16,592
40% Exceedance	12,183	13,316	19,640	29,734	43,375	31,118	20,199	14,709	13,631	19,568	16,950	15,231
50% Exceedance	11,055	12,453	16,624	24,563	31,153	24,455	15,795	12,618	13,415	18,088	15,823	11,772
60% Exceedance	9,435	11,595	14,021	19,936	23,604	21,782	13,667	12,125	12,841	16,938	13,097	10,479
70% Exceedance	7,917	9,873	12,285	14,102	19,795	18,931	11,906	11,512	12,117	15,457	10,966	10,066
80% Exceedance	6,889	8,410	10,800	12,750	17,486	14,712	10,899	10,474	11,283	13,478	9,473	9,274
90% Exceedance	6,128	7,168	9,354	10,919	13,455	11,069	8,221	7,673	8,404	8,072	8,254	8,519
Full Simulation Period Average[a]	11,103	13,530	24,101	31,865	38,291	33,408	22,828	16,631	13,375	17,639	14,168	13,690
Wet Water Years (28%)	14,451	17,434	27,033	54,842	62,760	54,851	41,480	25,090	15,687	19,855	17,467	19,173
Above Normal Water Years (14%)	13,401	15,029	23,252	42,212	50,739	46,128	24,744	17,591	14,298	22,601	18,670	17,773
Below Normal Water Years (18%)	10,566	12,240	28,266	25,844	26,762	25,438	17,591	15,816	13,307	20,348	15,433	11,618
Dry Water Years (24%)	9,276	12,666	24,264	15,939	25,789	20,936	14,270	12,556	13,504	16,029	10,922	10,107
Critical Water Years (16%)	6,124	7,672	14,220	13,266	16,302	12,429	7,241	8,017	8,404	8,787	7,901	8,230

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-7b. Sacramento River Flow at Freeport, Alternative 4, Monthly Flow (cfs)

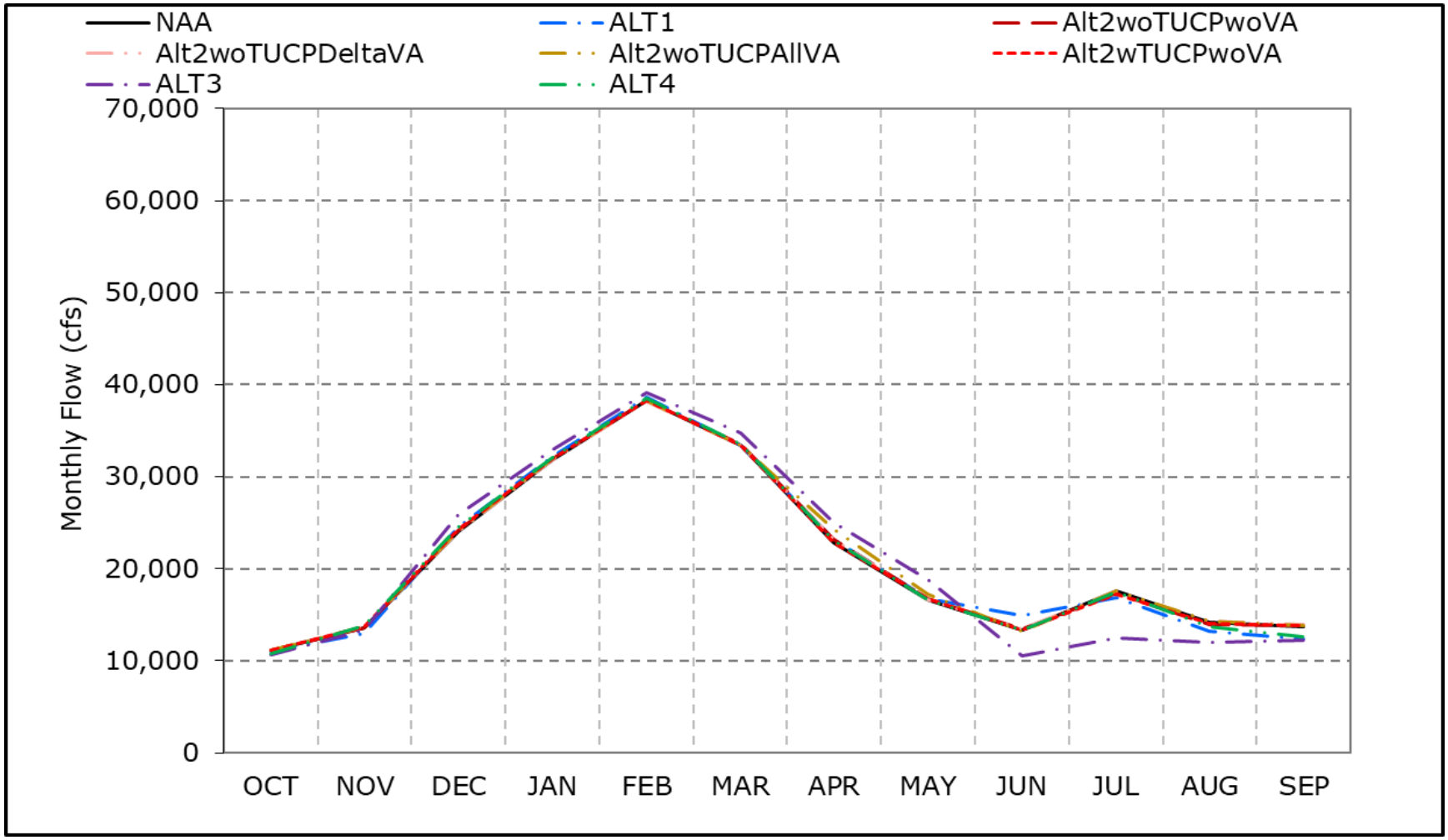
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14,222	19,591	55,059	67,005	73,485	69,453	47,168	29,629	16,127	22,860	17,757	17,909
20% Exceedance	12,847	15,172	37,733	57,942	64,148	57,449	35,122	22,872	14,468	22,132	17,393	16,220
30% Exceedance	12,096	14,130	26,231	38,551	51,440	43,796	25,808	17,543	13,648	21,194	16,547	13,881
40% Exceedance	11,489	13,287	19,892	30,371	44,576	32,219	20,286	14,508	13,366	19,559	15,957	13,273
50% Exceedance	10,709	12,569	17,510	24,421	31,191	24,751	15,873	12,541	12,942	18,615	15,488	11,595
60% Exceedance	9,374	11,364	14,269	20,315	23,415	21,683	13,733	12,000	12,811	17,137	13,515	10,769
70% Exceedance	7,980	9,897	12,357	14,126	20,037	18,911	12,206	11,449	12,318	15,811	10,684	10,077
80% Exceedance	6,753	7,890	10,515	12,630	17,583	14,781	11,421	10,564	11,204	12,890	9,192	9,199
90% Exceedance	6,120	7,188	9,424	10,790	13,171	10,583	8,502	7,723	9,052	8,322	7,531	8,428
Full Simulation Period Average[a]	10,736	13,783	24,503	32,093	38,581	33,510	23,010	16,646	13,327	17,478	13,644	12,646
Wet Water Years (28%)	13,691	17,748	27,571	55,328	62,795	54,911	41,505	25,194	15,883	19,524	16,217	16,461
Above Normal Water Years (14%)	12,241	15,302	24,130	42,331	50,974	46,402	24,804	17,653	14,355	22,177	17,234	15,508
Below Normal Water Years (18%)	10,664	12,455	28,366	26,040	27,563	26,041	17,901	15,415	13,348	20,550	16,002	11,767
Dry Water Years (24%)	9,251	12,712	24,514	15,898	26,223	20,932	14,475	12,694	13,008	15,893	10,795	10,149
Critical Water Years (16%)	6,176	8,170	14,499	13,576	16,296	12,049	7,625	8,120	8,413	8,706	7,623	8,202

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-14-7c. Sacramento River Flow at Freeport, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

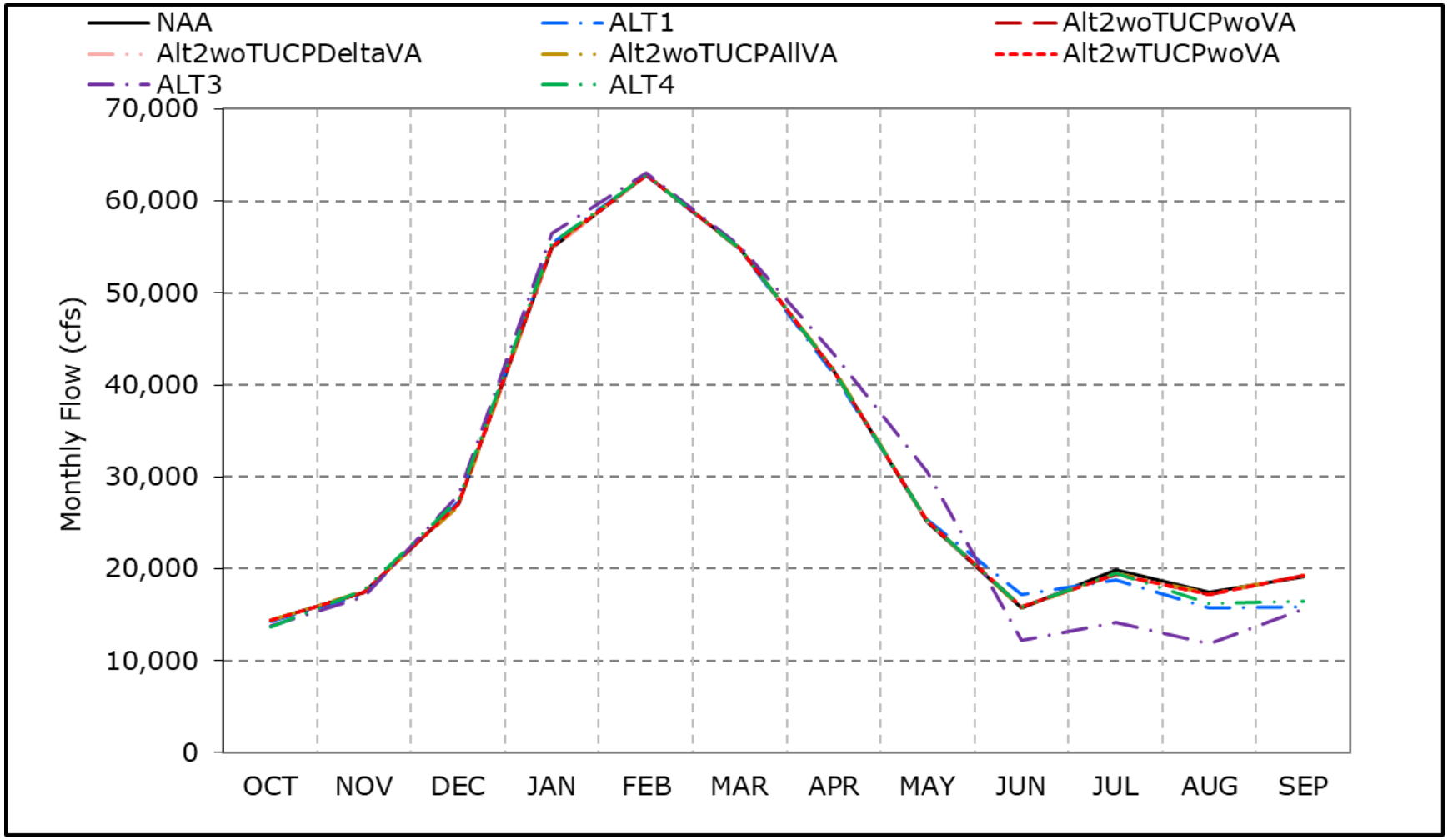
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,323	434	-67	510	60	1,162	-9	7	29	-911	-1,158	-2,524
20% Exceedance	-935	493	421	585	20	17	101	16	46	-471	-719	-3,209
30% Exceedance	-1,065	547	47	575	247	538	454	454	-398	-194	-932	-2,711
40% Exceedance	-694	-29	252	636	1,201	1,100	87	-201	-266	-9	-993	-1,958
50% Exceedance	-346	116	887	-142	38	296	79	-77	-473	526	-335	-177
60% Exceedance	-60	-231	247	379	-190	-99	66	-125	-30	200	418	290
70% Exceedance	63	23	73	25	241	-20	300	-64	201	354	-282	11
80% Exceedance	-136	-520	-285	-121	96	68	523	90	-79	-588	-281	-75
90% Exceedance	-8	21	71	-128	-284	-486	281	49	648	249	-722	-91
Full Simulation Period Average[a]	-368	253	402	228	290	102	182	15	-48	-161	-523	-1,044
Wet Water Years (28%)	-760	314	538	486	36	59	25	103	196	-331	-1,250	-2,712
Above Normal Water Years (14%)	-1,161	273	878	120	235	274	60	62	57	-424	-1,435	-2,266
Below Normal Water Years (18%)	98	215	99	196	801	604	310	-402	41	202	569	149
Dry Water Years (24%)	-25	46	249	-41	435	-4	205	138	-497	-136	-127	42
Critical Water Years (16%)	52	497	279	310	-6	-380	384	103	9	-81	-278	-28

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



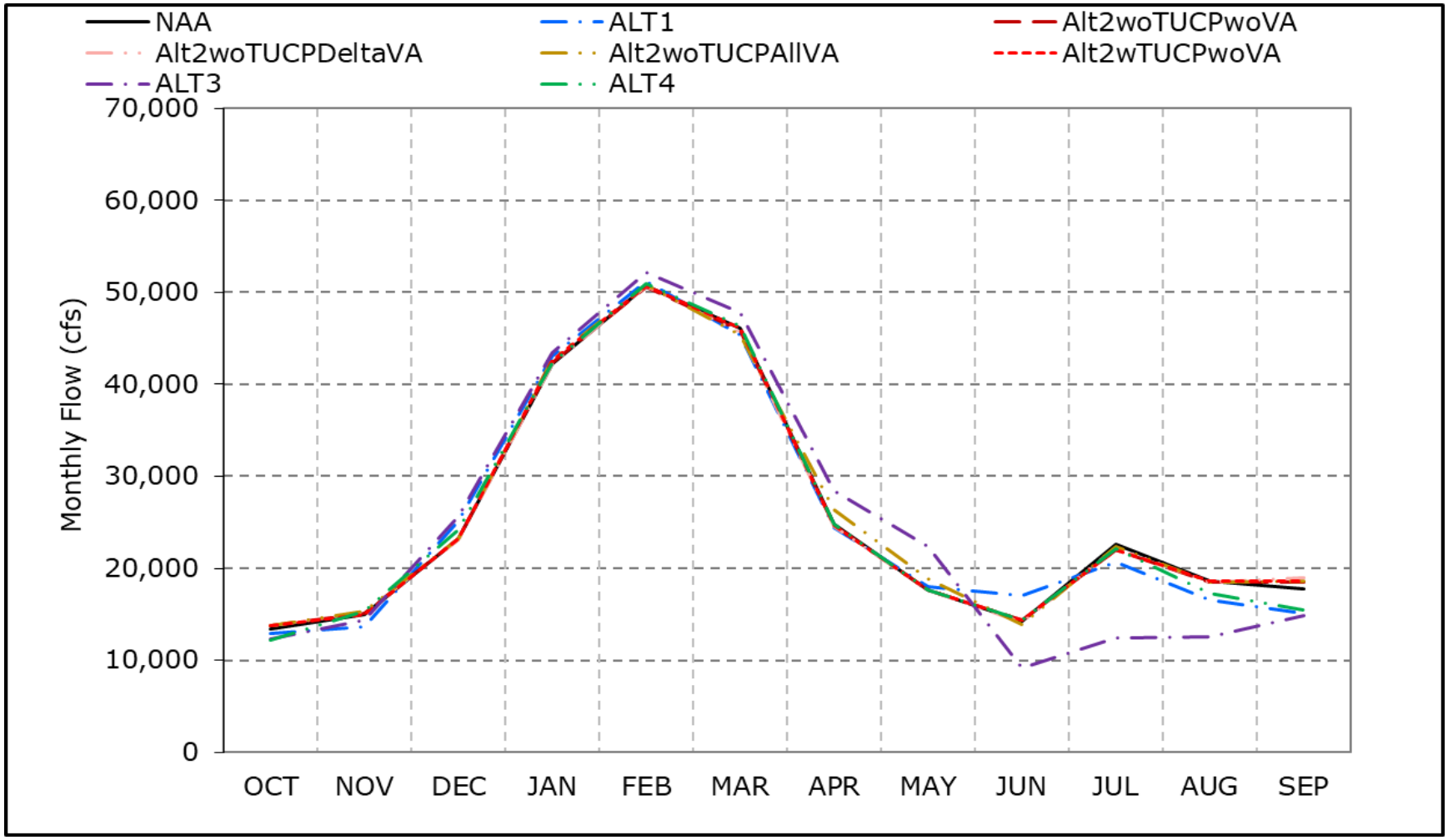
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-1. Sacramento River Flow at Freeport, Long-Term Average Flow



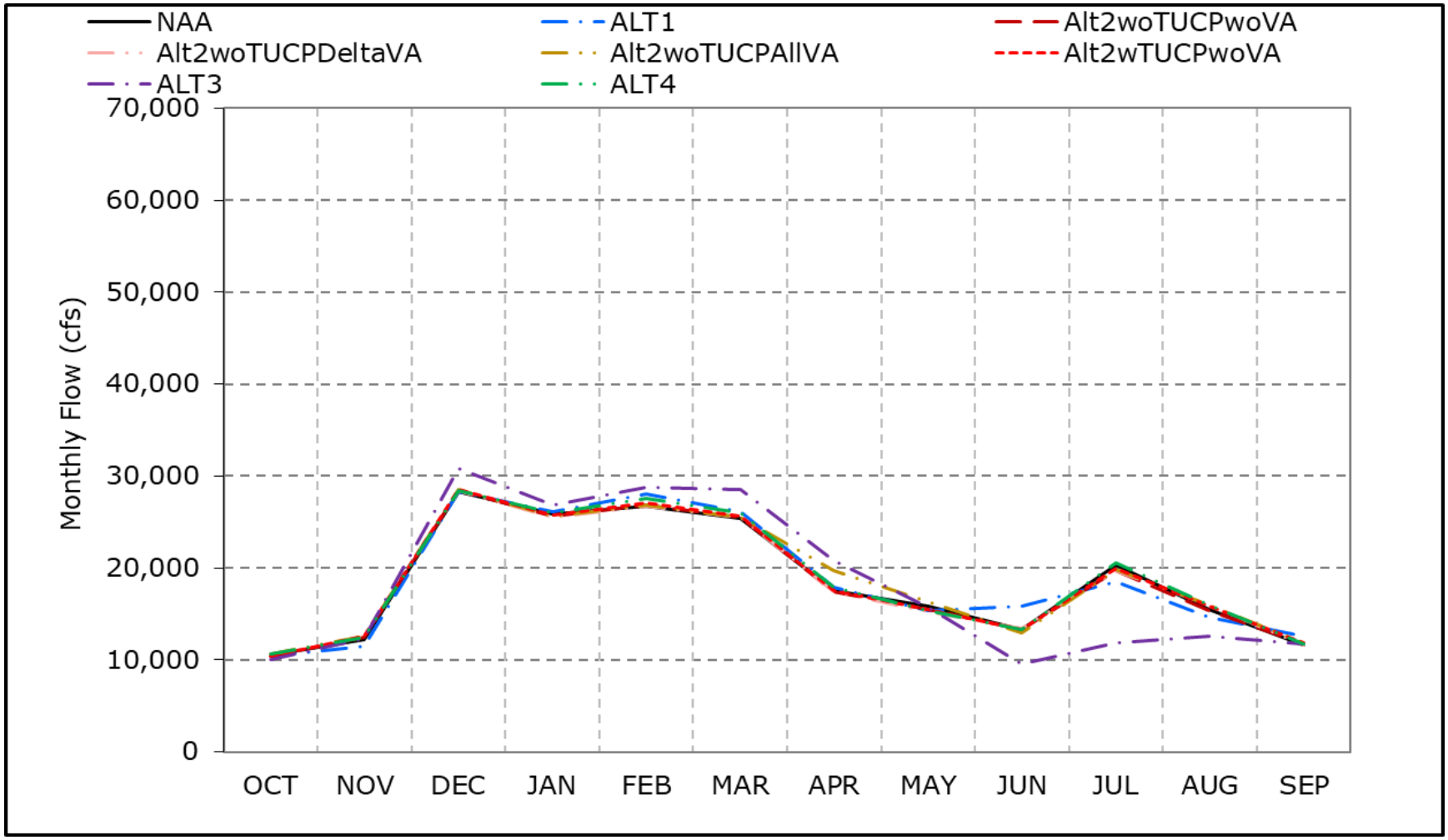
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-2. Sacramento River Flow at Freeport, Wet Year Average Flow



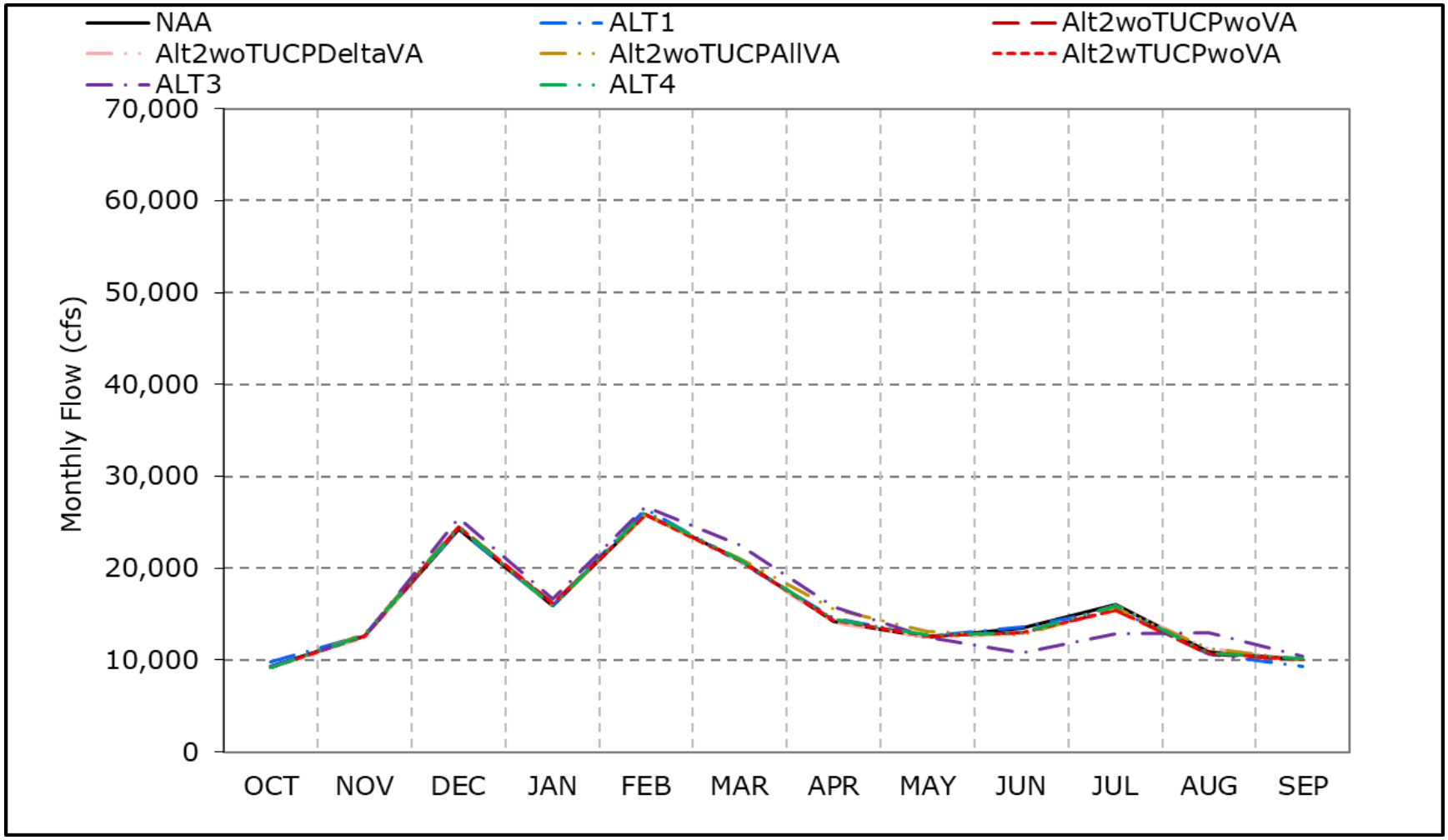
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-3. Sacramento River Flow at Freeport, Above Normal Year Average Flow



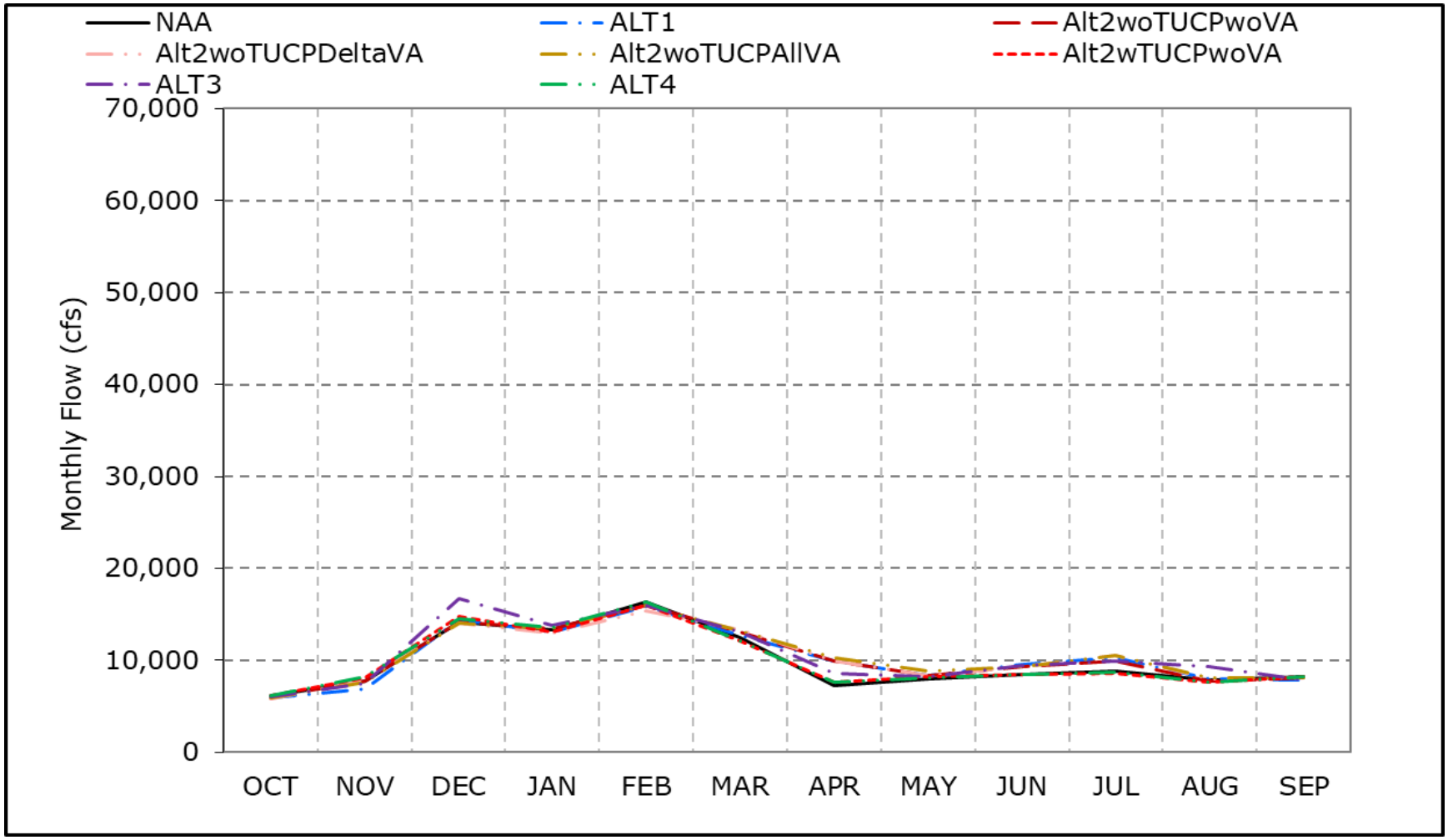
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-4. Sacramento River Flow at Freeport, Below Normal Year Average Flow



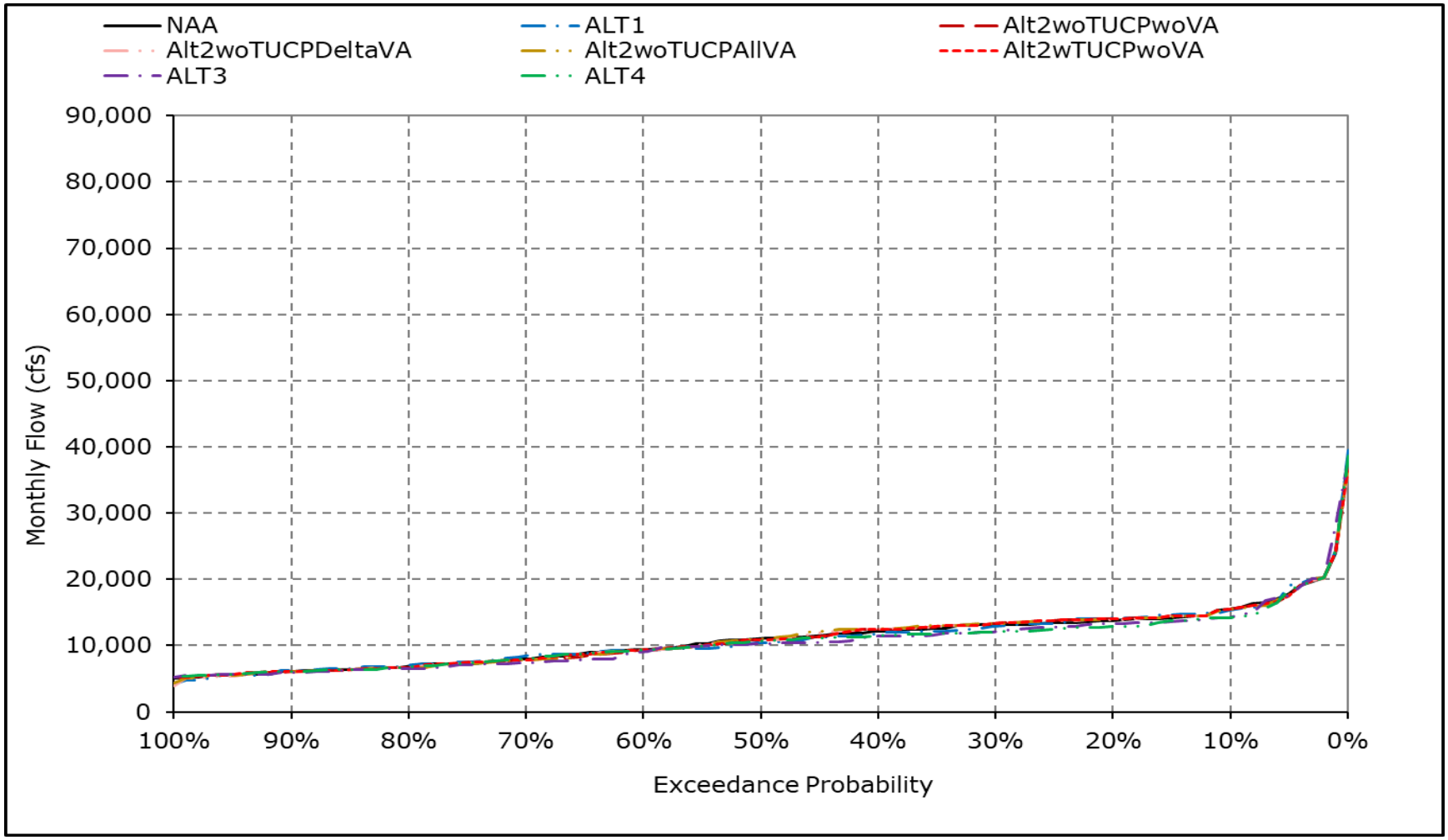
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-5. Sacramento River Flow at Freeport, Dry Year Average Flow



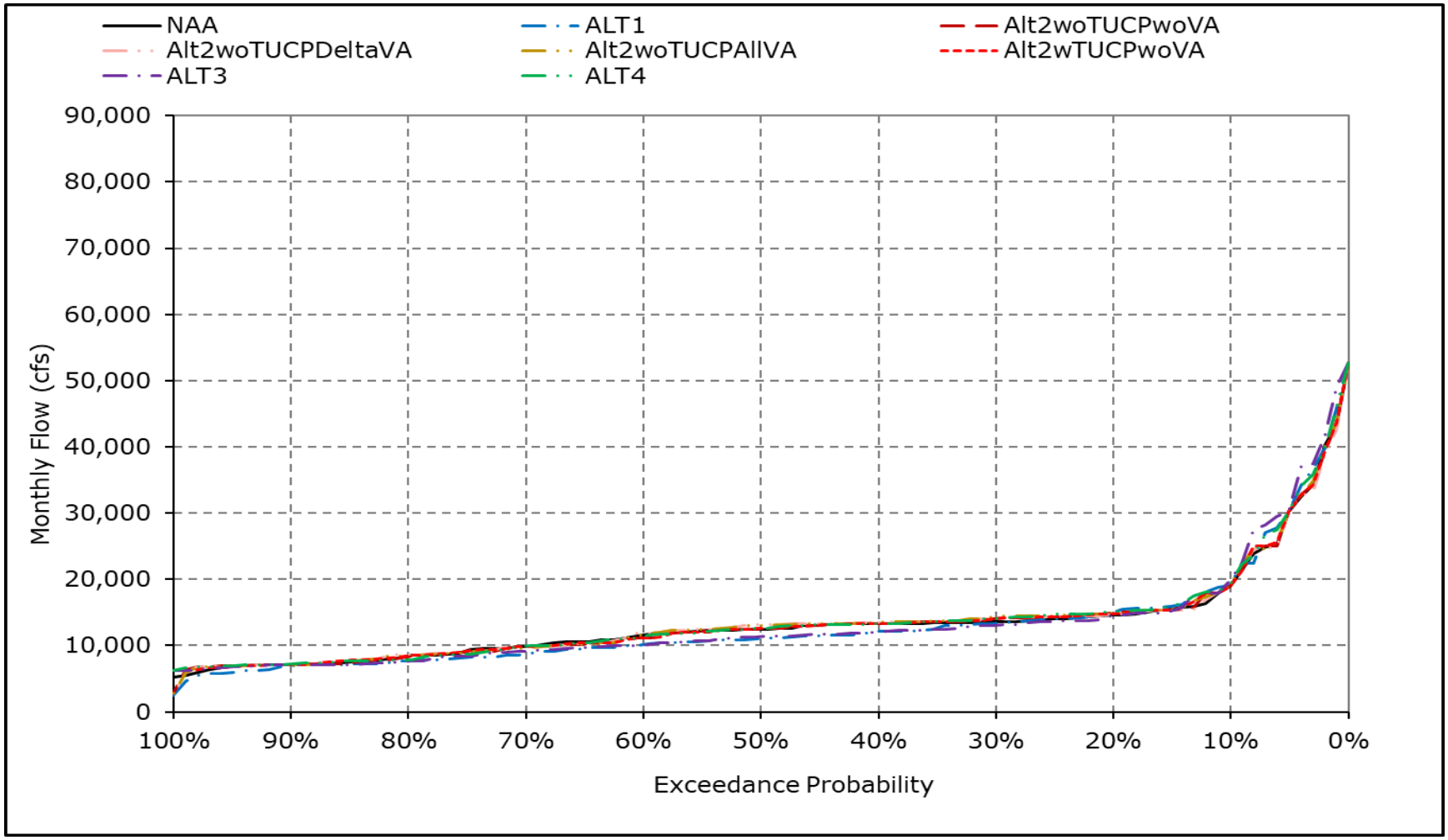
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-6. Sacramento River Flow at Freeport, Critical Year Average Flow



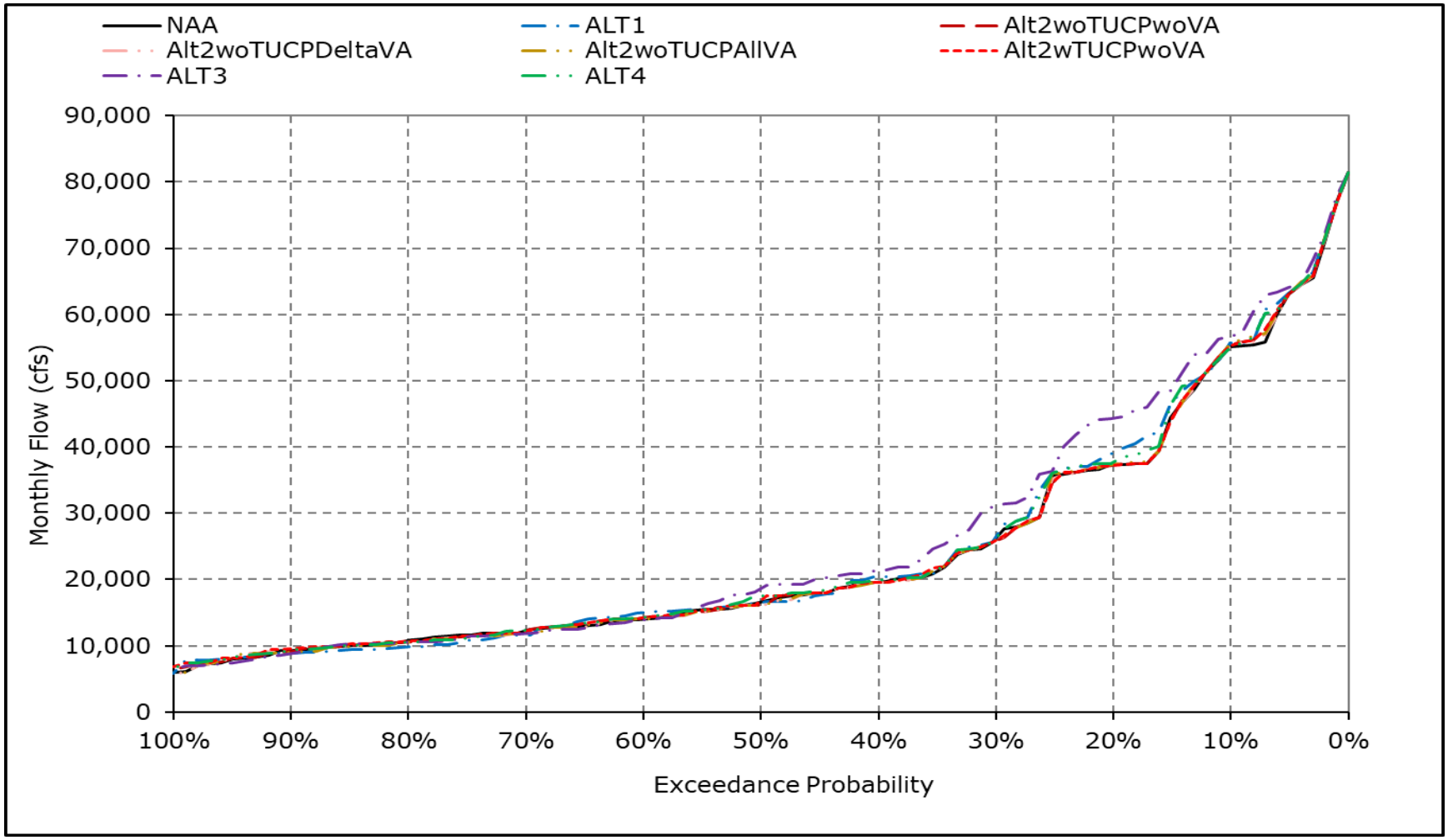
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-7. Sacramento River Flow at Freeport, October



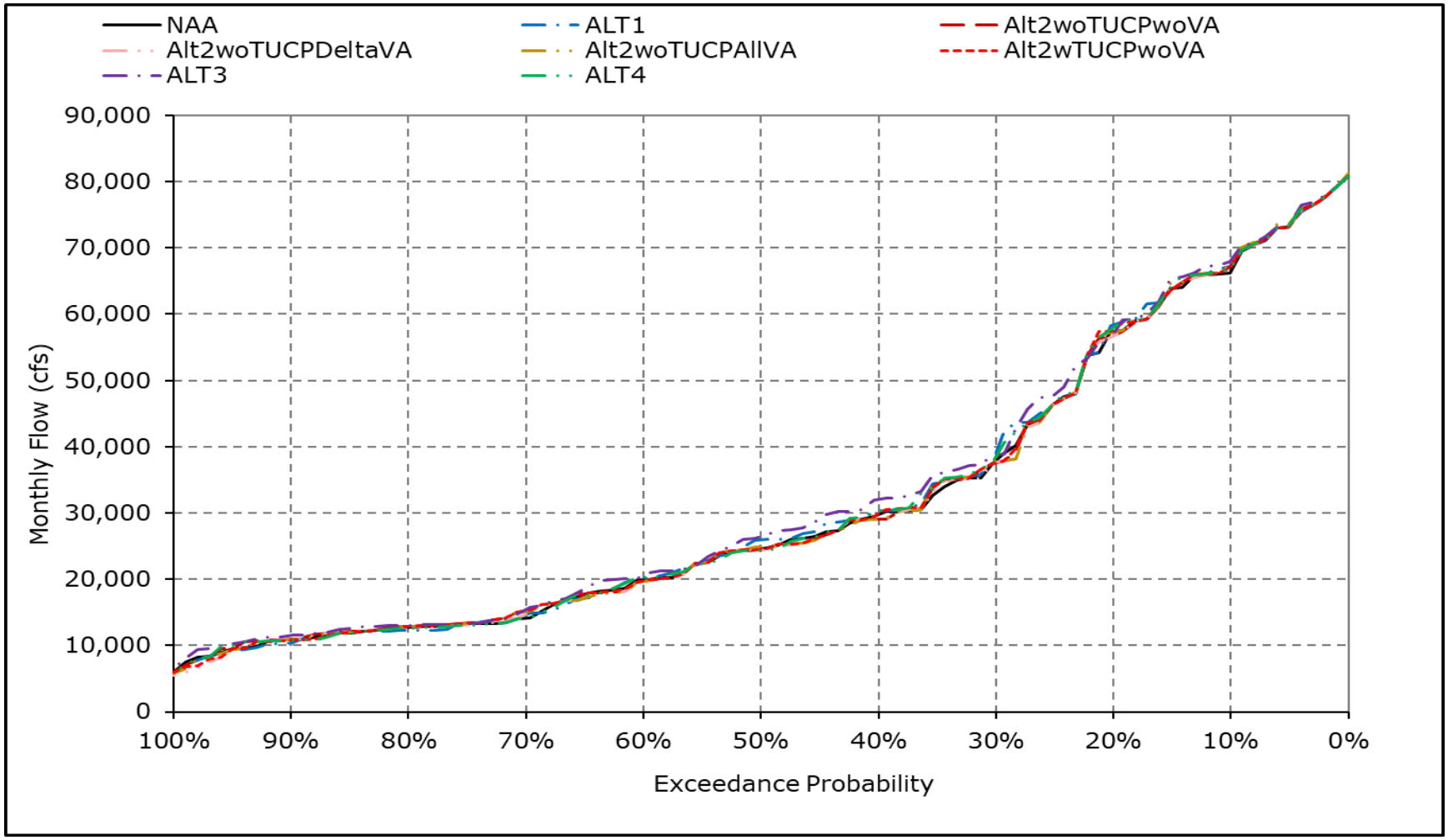
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-8. Sacramento River Flow at Freeport, November



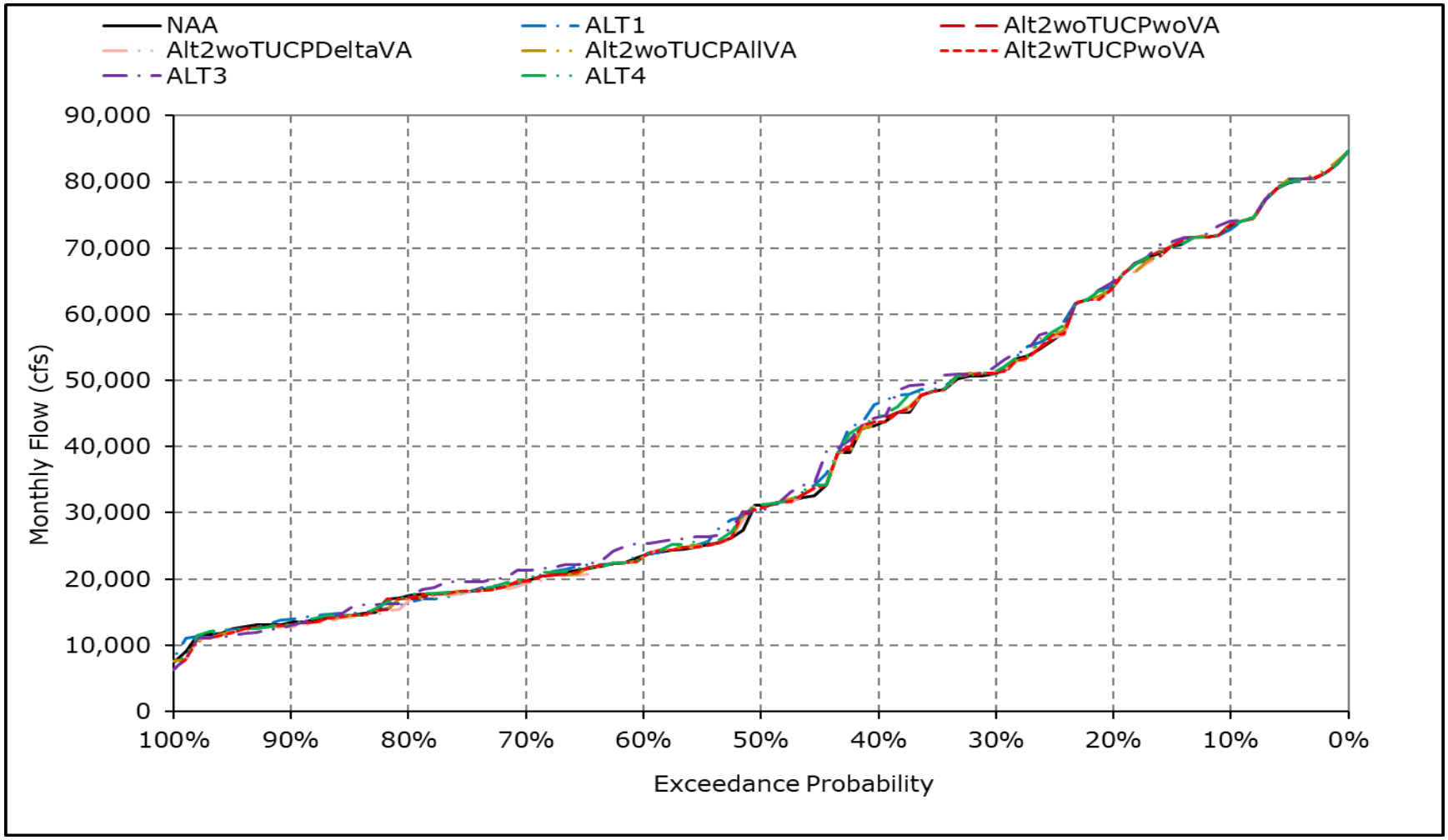
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-9. Sacramento River Flow at Freeport, December



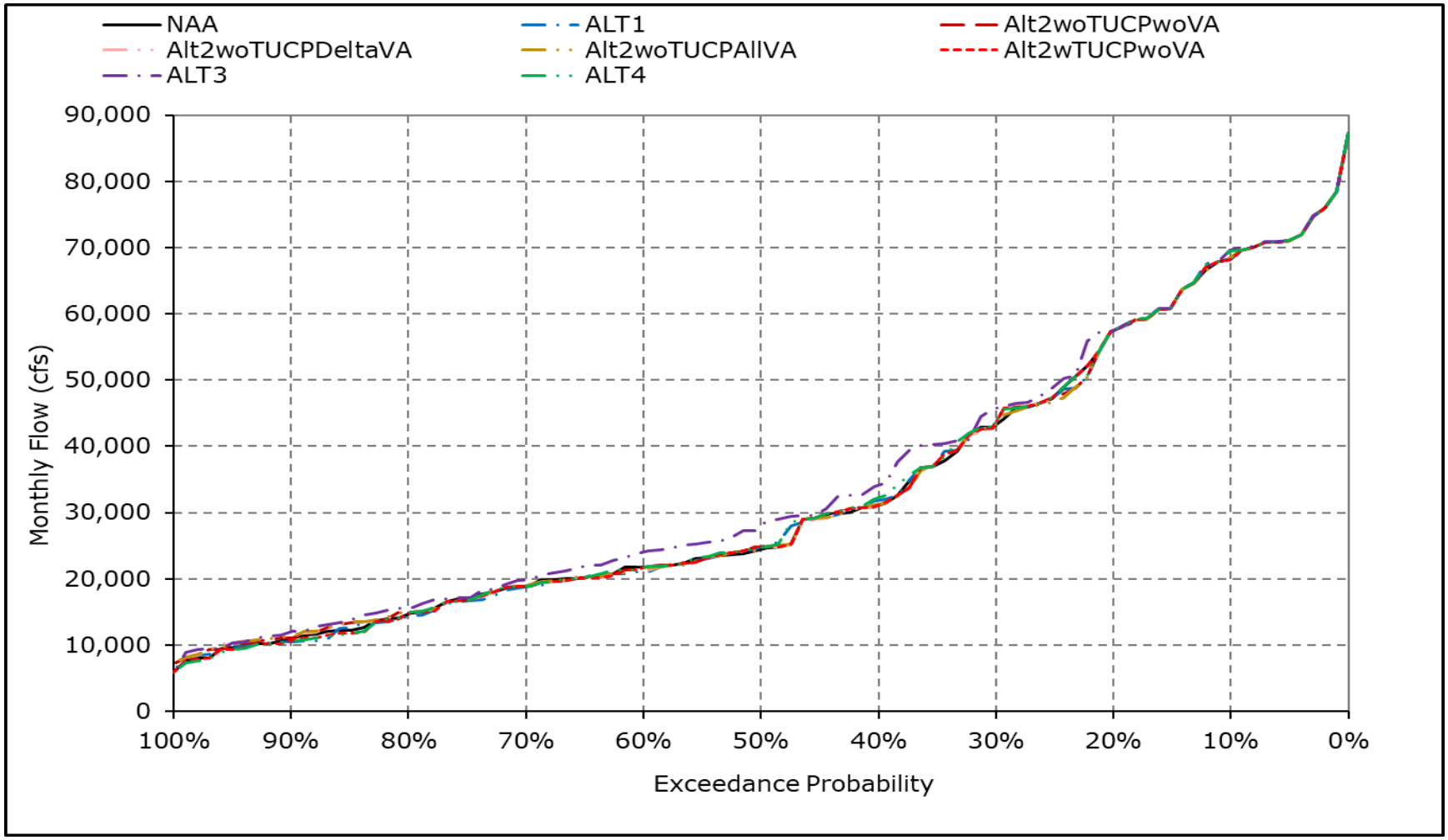
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-10. Sacramento River Flow at Freeport, January



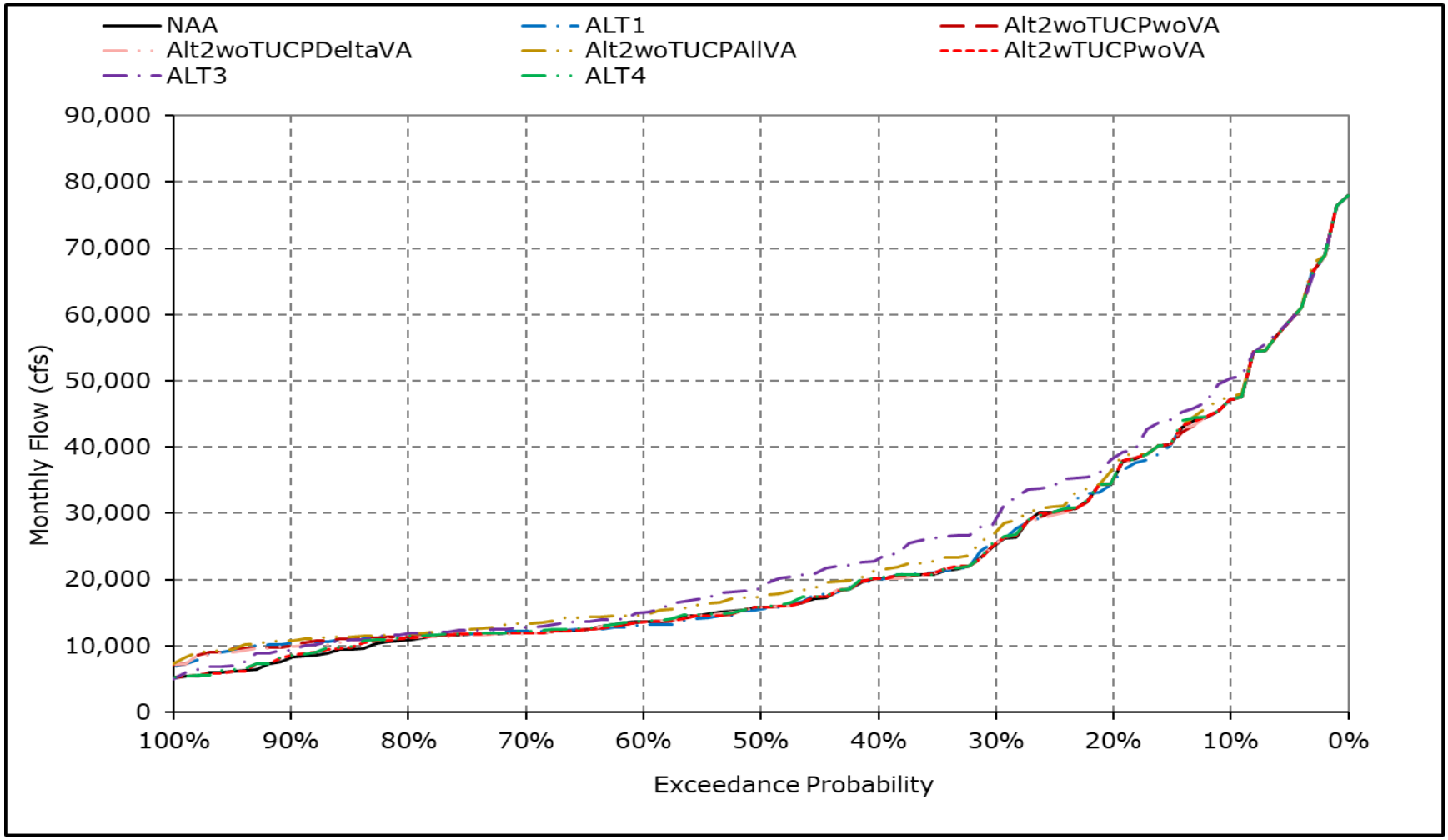
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-11. Sacramento River Flow at Freeport, February



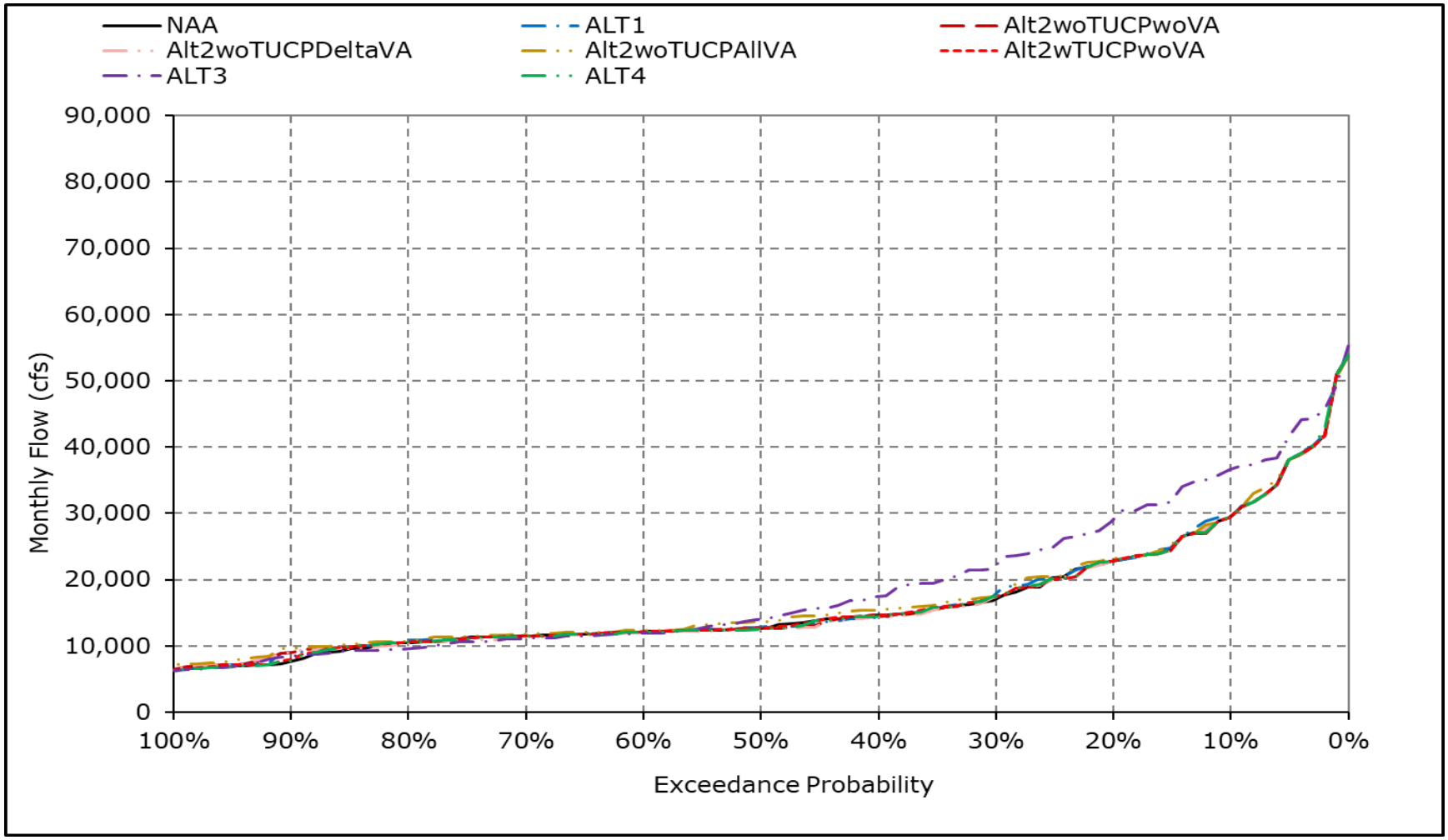
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-12. Sacramento River Flow at Freeport, March



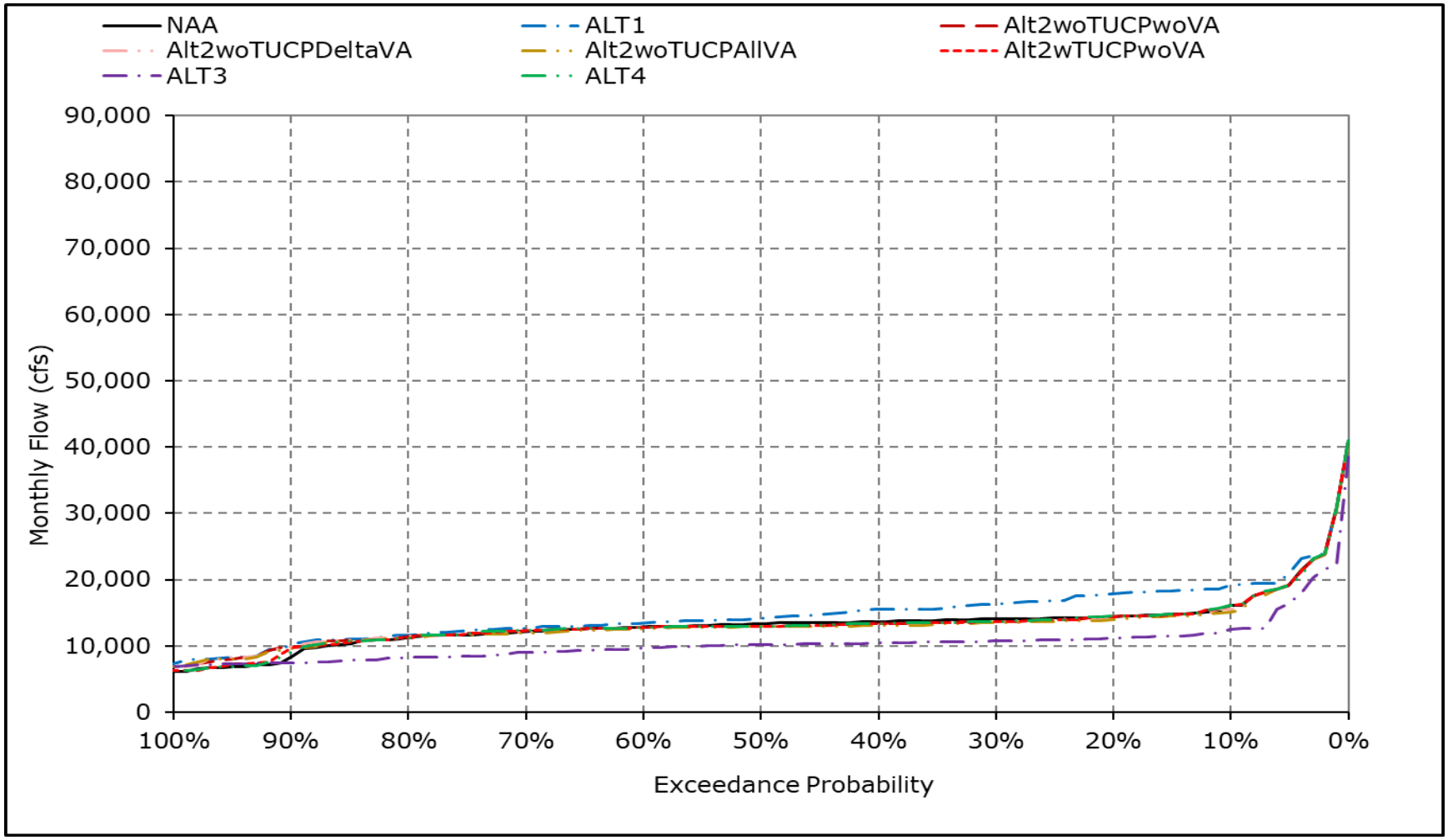
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-13. Sacramento River Flow at Freeport, April



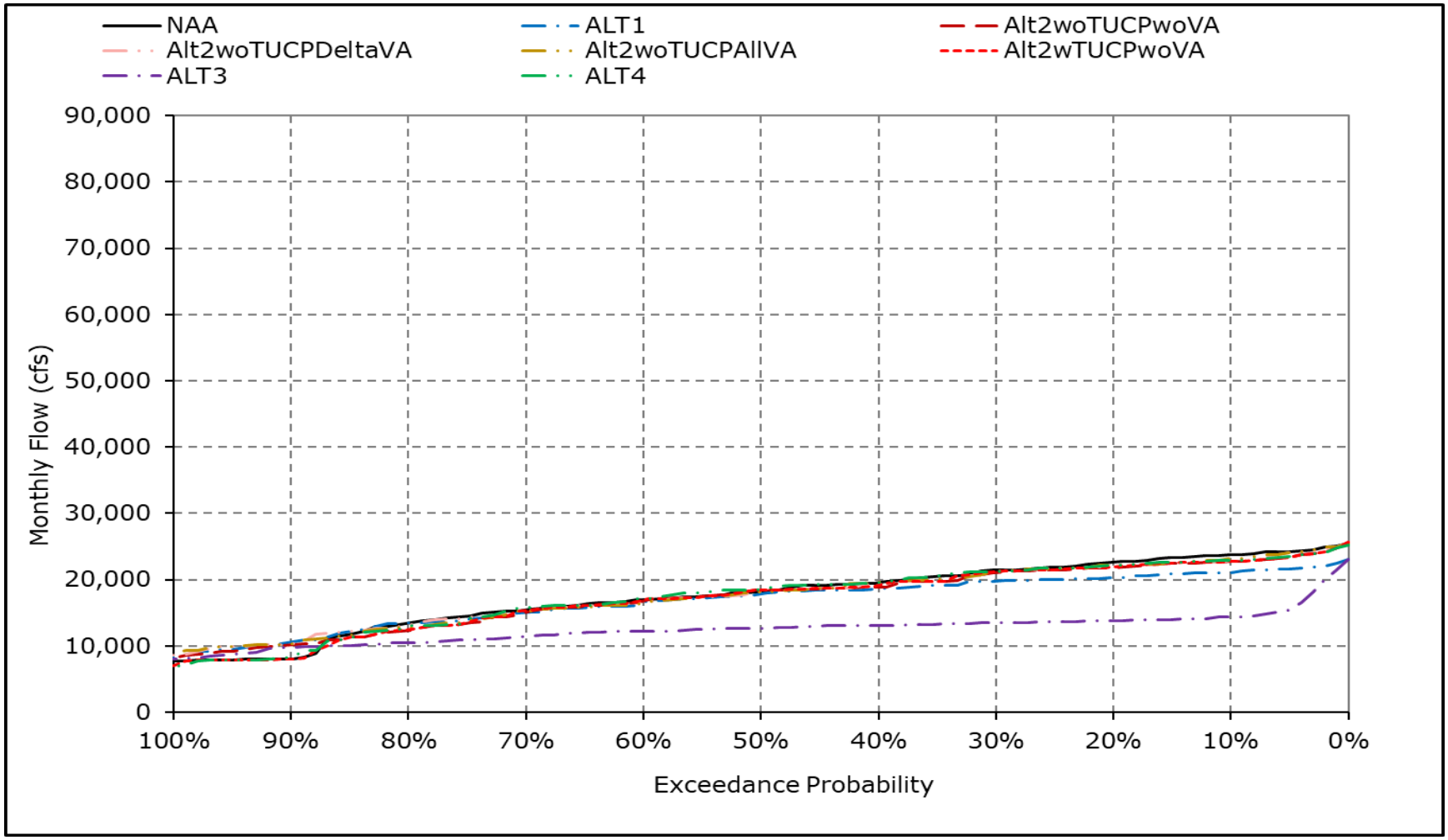
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-14. Sacramento River Flow at Freeport, May



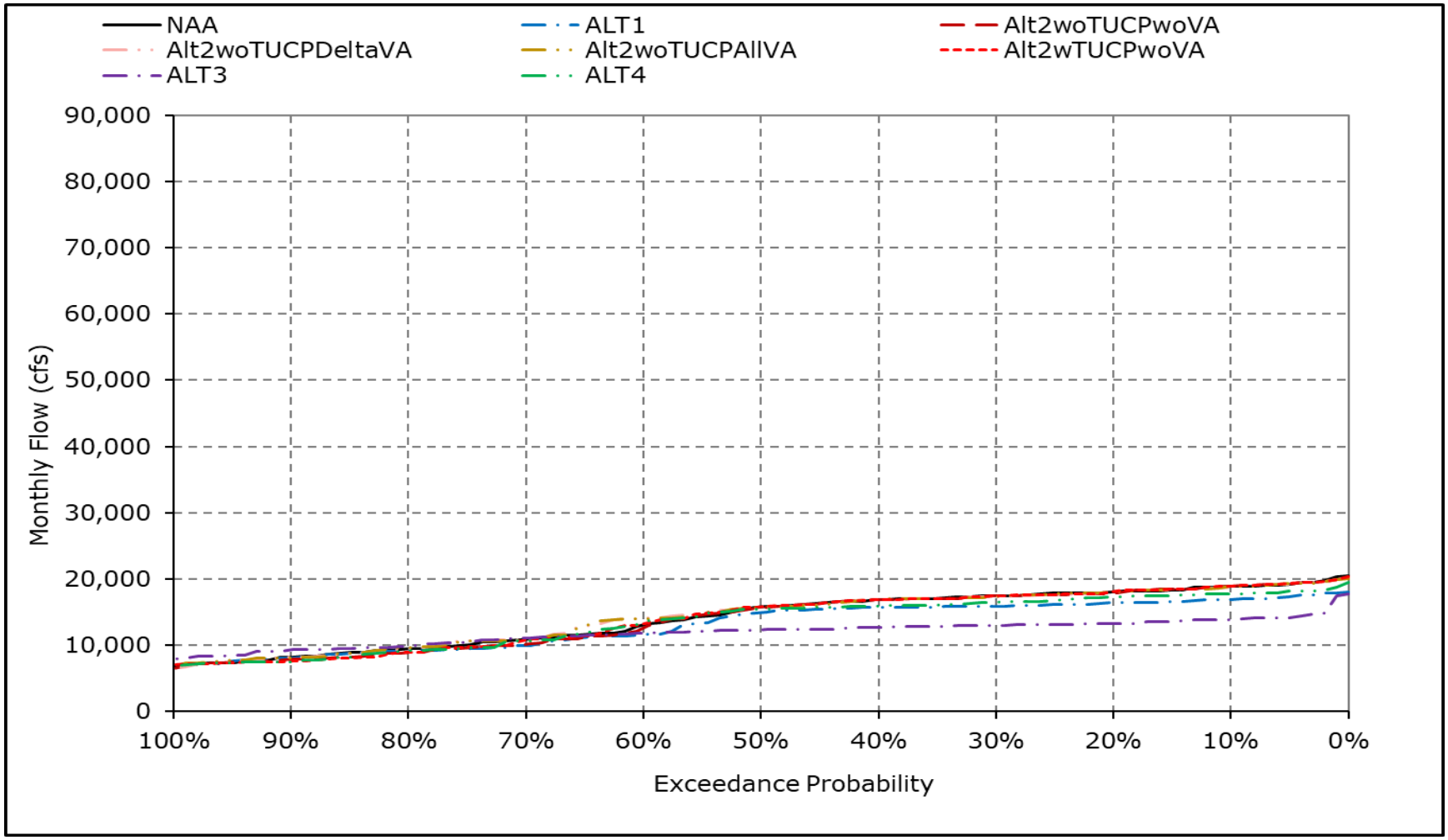
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-15. Sacramento River Flow at Freeport, June



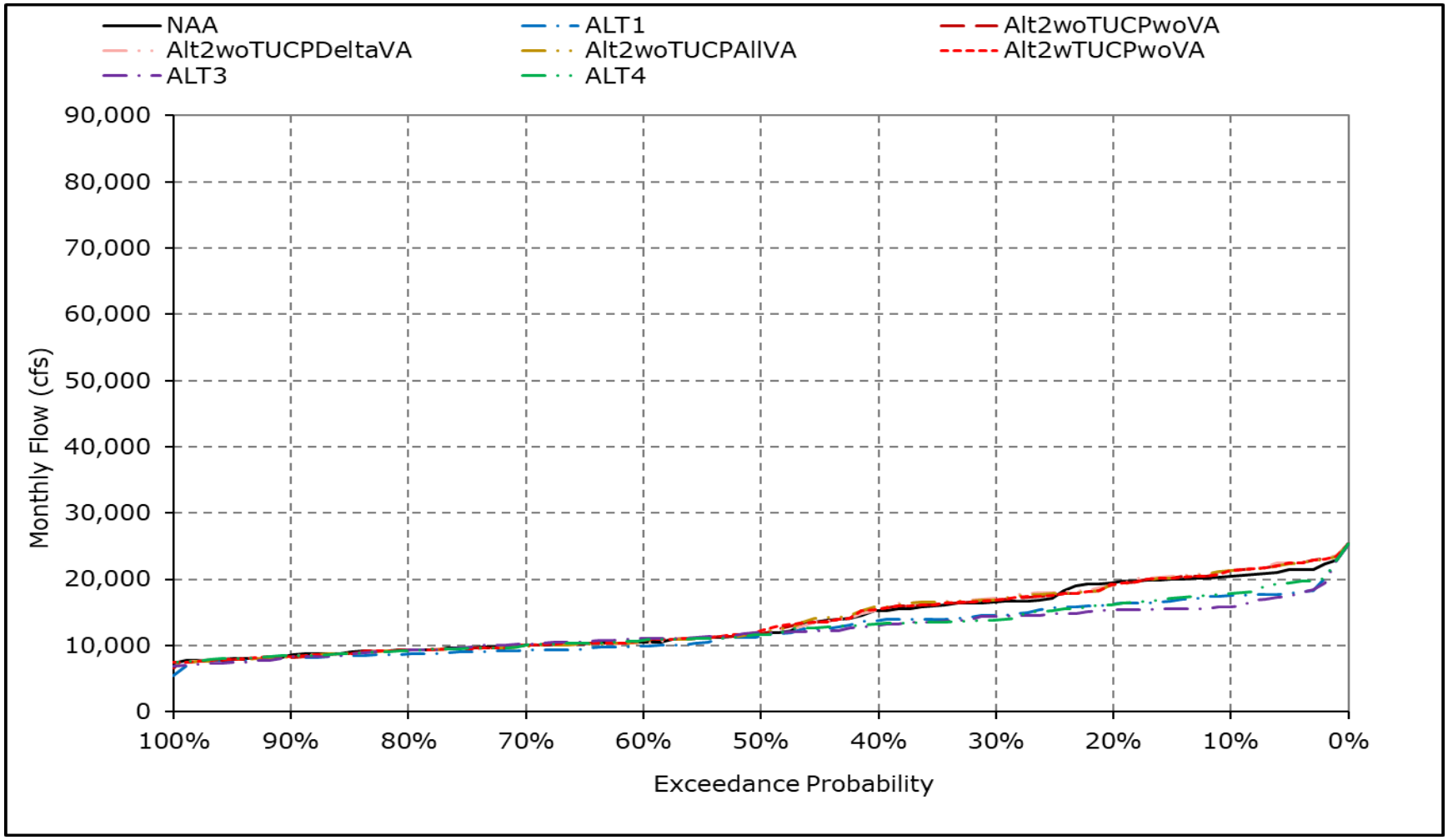
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-16. Sacramento River Flow at Freeport, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-17. Sacramento River Flow at Freeport, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-18. Sacramento River Flow at Freeport, September

Table F.2.2-15-1a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-1b. Sacramento River Flow at Rio Vista, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,630	14,907	67,785	92,891	124,539	83,662	41,132	24,895	11,298	11,952	9,305	10,077
20% Exceedance	8,029	9,710	42,231	67,230	78,793	57,971	29,459	18,751	10,293	11,373	8,943	9,212
30% Exceedance	7,165	8,331	23,042	37,264	54,863	41,130	20,939	14,077	9,292	11,037	8,619	8,169
40% Exceedance	6,387	7,275	15,622	27,780	46,555	28,772	16,440	10,701	8,664	10,299	8,411	7,629
50% Exceedance	5,436	6,643	11,749	22,768	28,683	21,963	12,019	9,513	7,820	9,821	7,955	5,947
60% Exceedance	4,896	6,075	10,232	15,305	21,259	17,864	9,938	8,851	7,381	8,840	5,675	4,964
70% Exceedance	4,679	5,292	8,054	10,495	16,644	15,713	9,005	8,418	6,914	7,872	4,491	4,478
80% Exceedance	4,249	4,766	6,019	8,454	13,284	11,523	8,461	7,714	6,147	6,814	4,079	4,094
90% Exceedance	4,006	4,270	5,446	6,901	11,415	7,968	7,460	6,297	5,173	5,002	3,511	3,824
Full Simulation Period Average[a]	6,474	9,290	24,997	38,731	51,185	37,228	20,514	13,150	8,428	9,113	6,777	6,678
Wet Water Years (28%)	8,020	12,854	28,707	83,211	104,496	73,282	40,208	21,028	10,492	10,365	8,470	9,188
Above Normal Water Years (14%)	7,174	9,674	23,077	48,147	62,207	48,080	20,314	14,219	9,732	11,660	9,026	8,450
Below Normal Water Years (18%)	5,840	7,471	28,978	23,512	26,947	22,957	14,271	11,850	8,907	10,168	7,703	6,823
Dry Water Years (24%)	6,476	9,379	27,262	12,234	25,798	17,613	11,311	9,359	7,415	8,206	5,033	4,555
Critical Water Years (16%)	3,649	4,293	11,587	9,517	13,592	10,117	7,055	5,580	4,658	4,865	3,423	3,755

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-1c. Sacramento River Flow at Rio Vista, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-758	-873	514	-67	164	471	-6	18	2,181	-1,703	-1,256	-2,043
20% Exceedance	210	-47	1,138	654	1,260	16	-286	-38	2,383	-1,520	-1,145	-2,136
30% Exceedance	-172	-333	228	1,970	495	317	277	630	1,624	-1,047	-1,030	-1,268
40% Exceedance	-255	-957	-1,852	100	2,312	229	-22	-365	1,269	-663	-800	-985
50% Exceedance	-570	-888	-2,130	460	-14	384	-321	9	617	-93	-580	-254
60% Exceedance	-300	-992	-1,000	-1,783	-222	-511	-507	-49	478	-302	-1,014	-467
70% Exceedance	-90	-452	-1,398	-870	-65	7	119	151	370	-284	-777	-516
80% Exceedance	0	-72	-1,831	-1,152	-1,383	-172	532	258	446	-1	-145	-304
90% Exceedance	217	-203	-1,392	-1,106	762	-481	1,916	1,298	1,389	1,430	-62	-167
Full Simulation Period Average[a]	-375	-313	-428	-62	442	-41	349	121	1,022	-572	-668	-881
Wet Water Years (28%)	-909	-242	-427	848	57	-101	-270	256	1,026	-744	-1,168	-2,195
Above Normal Water Years (14%)	-621	-884	852	1,031	127	-832	-281	376	1,886	-1,616	-1,415	-1,763
Below Normal Water Years (18%)	-307	-753	-767	-231	1,651	629	214	-384	1,753	-1,238	-569	644
Dry Water Years (24%)	99	128	-582	-978	731	-186	234	95	91	-307	-190	-491
Critical Water Years (16%)	27	-51	-1,058	-1,044	-400	224	2,307	270	835	995	32	-114

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-2a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-2b. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,391	15,850	67,441	93,317	124,356	83,314	41,111	24,867	9,112	12,997	10,618	12,584
20% Exceedance	8,095	9,908	41,163	66,311	76,481	57,937	29,803	18,784	7,896	12,411	9,928	11,157
30% Exceedance	7,436	9,140	22,907	35,583	54,078	41,162	20,732	13,831	7,392	11,883	9,643	9,625
40% Exceedance	6,747	8,244	17,028	27,666	44,926	28,512	16,575	11,013	7,244	10,456	9,218	8,742
50% Exceedance	5,851	7,591	13,811	22,298	28,791	21,637	12,306	9,353	6,949	10,158	8,455	6,151
60% Exceedance	5,200	6,807	11,376	16,805	21,288	18,115	10,182	8,766	6,822	9,000	6,331	5,482
70% Exceedance	4,751	5,631	9,544	12,111	16,600	15,703	8,862	8,251	6,579	7,881	4,865	4,963
80% Exceedance	4,217	4,751	7,734	9,750	14,553	12,055	8,360	7,573	5,964	5,983	3,868	4,408
90% Exceedance	3,858	4,500	6,674	8,068	10,385	8,504	7,264	6,281	4,755	4,908	3,293	3,912
Full Simulation Period Average[a]	6,840	9,666	25,597	38,986	50,805	37,277	20,505	13,067	7,457	9,509	7,329	7,640
Wet Water Years (28%)	8,932	13,102	29,171	82,810	104,640	73,359	40,465	20,844	9,586	10,832	9,496	11,426
Above Normal Water Years (14%)	7,908	10,586	22,243	47,437	61,976	48,260	20,541	13,905	7,883	12,901	10,358	10,712
Below Normal Water Years (18%)	6,095	8,457	29,998	23,557	25,431	22,442	13,906	11,940	7,148	10,993	8,224	6,265
Dry Water Years (24%)	6,294	9,166	28,355	13,376	25,215	17,760	11,110	9,350	6,970	8,114	5,082	5,012
Critical Water Years (16%)	3,633	4,583	12,584	10,675	13,751	10,489	7,062	5,570	4,435	4,652	3,247	3,812

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-2c. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	71	171	359	-19	123	-27	-10	-6	-657	57	464
20% Exceedance	277	150	70	-265	-1,052	-18	58	-6	-14	-482	-160	-190
30% Exceedance	99	476	93	289	-291	350	70	384	-276	-200	-7	188
40% Exceedance	106	13	-446	-14	684	-31	113	-52	-151	-507	7	127
50% Exceedance	-155	61	-68	-10	94	58	-34	-150	-254	243	-81	-50
60% Exceedance	4	-260	144	-284	-193	-260	-263	-133	-81	-143	-358	51
70% Exceedance	-18	-113	93	746	-110	-4	-24	-17	35	-276	-403	-31
80% Exceedance	-32	-87	-116	144	-115	360	431	116	264	-833	-356	10
90% Exceedance	68	27	-165	61	-268	55	1,719	1,283	971	1,336	-280	-79
Full Simulation Period Average[a]	-10	63	172	194	63	9	340	38	50	-175	-117	81
Wet Water Years (28%)	4	5	37	447	201	-24	-13	72	120	-277	-142	44
Above Normal Water Years (14%)	113	29	18	321	-104	-652	-54	62	37	-375	-83	500
Below Normal Water Years (18%)	-52	233	254	-186	135	113	-152	-294	-7	-413	-47	87
Dry Water Years (24%)	-83	-85	511	163	149	-38	34	87	-354	-399	-141	-35
Critical Water Years (16%)	12	239	-61	114	-241	595	2,314	259	611	783	-144	-57

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-3a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-3b. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,384	15,828	66,604	91,941	124,279	83,067	41,095	24,855	8,684	13,083	10,477	12,586
20% Exceedance	7,985	9,856	41,186	65,883	75,248	57,935	29,751	18,790	7,839	12,503	10,054	11,026
30% Exceedance	7,559	8,981	22,856	35,137	53,929	41,290	20,735	13,675	7,400	11,979	9,635	9,800
40% Exceedance	6,811	8,341	17,021	27,661	44,640	28,568	16,209	10,927	7,223	10,680	9,248	8,669
50% Exceedance	5,948	8,043	13,532	22,240	29,310	21,633	12,240	9,280	6,919	10,013	8,445	6,436
60% Exceedance	5,218	7,096	11,283	16,793	21,293	18,028	10,332	8,767	6,776	8,900	7,364	5,357
70% Exceedance	4,807	5,733	9,415	11,934	16,453	15,721	8,790	8,049	6,438	8,140	5,251	4,953
80% Exceedance	4,241	4,951	7,671	9,479	13,871	12,054	8,185	7,282	5,958	6,586	4,291	4,349
90% Exceedance	3,864	4,500	6,830	8,034	10,067	8,890	7,077	6,275	4,751	5,233	3,520	3,928
Full Simulation Period Average[a]	6,855	9,699	25,485	38,755	50,651	37,238	20,440	12,989	7,430	9,689	7,530	7,693
Wet Water Years (28%)	8,918	13,211	28,968	82,370	104,538	73,364	40,467	20,800	9,563	10,874	9,492	11,529
Above Normal Water Years (14%)	7,887	10,662	22,217	47,431	62,030	47,931	20,444	13,856	7,728	13,049	10,331	10,976
Below Normal Water Years (18%)	6,256	8,509	29,926	23,487	25,293	22,345	13,893	11,719	7,206	11,010	8,661	6,203
Dry Water Years (24%)	6,289	9,082	28,246	13,216	25,170	17,761	10,933	9,262	6,892	8,432	5,499	4,986
Critical Water Years (16%)	3,599	4,594	12,507	10,325	13,139	10,633	7,015	5,578	4,493	5,073	3,421	3,845

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-3c. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	49	-666	-1,018	-97	-123	-43	-22	-434	-571	-85	466
20% Exceedance	167	99	93	-692	-2,285	-20	6	0	-71	-390	-34	-322
30% Exceedance	223	317	42	-157	-440	478	72	228	-268	-104	-15	363
40% Exceedance	169	110	-453	-19	398	25	-253	-138	-173	-282	37	55
50% Exceedance	-59	512	-347	-67	614	54	-99	-224	-284	99	-90	235
60% Exceedance	22	29	51	-296	-188	-347	-113	-132	-127	-243	675	-74
70% Exceedance	38	-11	-37	569	-256	14	-96	-218	-106	-17	-17	-41
80% Exceedance	-8	113	-178	-127	-797	360	256	-175	257	-229	66	-49
90% Exceedance	74	27	-9	28	-587	441	1,532	1,276	967	1,661	-53	-63
Full Simulation Period Average[a]	6	96	61	-37	-91	-30	274	-41	23	4	85	134
Wet Water Years (28%)	-11	114	-166	6	99	-19	-12	28	97	-234	-146	147
Above Normal Water Years (14%)	92	104	-8	315	-49	-980	-150	12	-118	-227	-110	763
Below Normal Water Years (18%)	109	285	182	-256	-3	16	-165	-515	52	-397	390	24
Dry Water Years (24%)	-88	-169	402	4	104	-37	-143	-2	-432	-81	275	-60
Critical Water Years (16%)	-23	250	-138	-236	-853	739	2,267	268	669	1,204	30	-24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-4a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-4b. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,394	15,883	67,182	92,406	124,280	82,700	41,267	24,850	8,482	13,312	10,506	12,587
20% Exceedance	8,007	9,948	41,167	67,013	76,075	57,987	31,262	18,783	7,617	12,653	10,060	11,118
30% Exceedance	7,359	9,034	22,862	35,725	54,561	41,018	22,511	13,725	7,340	11,887	9,590	9,662
40% Exceedance	6,811	8,362	16,990	27,663	44,250	28,529	17,514	11,833	7,026	10,870	9,254	8,915
50% Exceedance	6,062	8,048	13,706	22,550	29,525	21,819	13,875	10,374	6,866	9,993	8,526	6,378
60% Exceedance	5,314	7,079	11,320	16,814	21,287	18,020	11,548	9,105	6,693	8,953	7,337	5,490
70% Exceedance	4,780	5,574	9,425	12,012	16,598	15,756	10,043	8,544	6,228	8,075	5,182	4,962
80% Exceedance	4,239	4,895	7,636	9,615	14,568	11,948	8,664	7,802	5,861	6,336	4,401	4,378
90% Exceedance	3,798	4,500	6,616	8,035	10,305	8,670	7,738	6,672	4,560	5,094	3,504	3,925
Full Simulation Period Average[a]	6,886	9,791	25,564	38,937	50,847	37,175	21,413	13,534	7,317	9,673	7,542	7,677
Wet Water Years (28%)	8,931	13,205	28,960	82,565	104,609	73,145	40,622	20,884	9,543	10,894	9,517	11,472
Above Normal Water Years (14%)	7,911	10,769	22,300	47,872	62,160	47,518	22,011	14,969	7,524	13,107	10,311	10,789
Below Normal Water Years (18%)	6,400	8,592	29,896	23,529	25,332	22,439	15,892	12,673	6,923	11,060	8,638	6,342
Dry Water Years (24%)	6,277	9,425	28,567	13,219	25,387	17,935	12,171	9,787	6,800	8,256	5,496	4,984
Critical Water Years (16%)	3,600	4,465	12,483	10,680	13,756	10,614	7,348	6,005	4,458	5,098	3,500	3,853

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-4c. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	103	-88	-553	-96	-490	129	-26	-636	-342	-55	467
20% Exceedance	189	191	74	437	-1,458	32	1,517	-6	-293	-240	-28	-229
30% Exceedance	23	370	48	431	192	205	1,849	277	-329	-197	-59	225
40% Exceedance	170	131	-485	-17	7	-14	1,052	767	-370	-92	44	300
50% Exceedance	55	517	-173	242	828	240	1,535	871	-337	79	-9	177
60% Exceedance	118	13	88	-275	-194	-356	1,104	206	-210	-189	648	60
70% Exceedance	11	-170	-27	647	-111	49	1,158	277	-316	-82	-85	-32
80% Exceedance	-10	57	-213	9	-100	253	735	345	160	-480	176	-21
90% Exceedance	9	27	-222	28	-348	221	2,193	1,673	776	1,522	-68	-67
Full Simulation Period Average[a]	36	189	139	145	104	-94	1,248	505	-90	-11	97	118
Wet Water Years (28%)	3	109	-174	201	170	-238	144	112	76	-214	-121	90
Above Normal Water Years (14%)	116	211	75	756	81	-1,394	1,416	1,125	-322	-169	-130	577
Below Normal Water Years (18%)	253	368	152	-213	36	111	1,835	439	-231	-347	367	164
Dry Water Years (24%)	-100	175	723	7	320	136	1,095	524	-524	-257	272	-63
Critical Water Years (16%)	-21	121	-162	119	-236	721	2,600	695	635	1,228	109	-16

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-5a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-5b. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,393	15,970	67,689	93,333	124,372	83,341	41,136	24,867	9,113	12,992	10,605	12,584
20% Exceedance	8,169	9,983	41,062	67,447	77,792	57,939	29,807	18,789	7,897	12,461	10,022	11,149
30% Exceedance	7,550	9,141	23,089	35,591	54,325	41,170	20,749	13,832	7,394	11,937	9,664	9,627
40% Exceedance	6,766	8,244	17,041	27,949	44,690	28,515	16,558	11,145	7,245	10,575	9,217	8,740
50% Exceedance	5,843	7,591	14,301	22,297	28,806	21,651	12,308	9,546	6,946	10,162	8,531	6,529
60% Exceedance	5,117	6,840	11,437	16,811	21,288	18,120	10,182	8,810	6,823	9,091	6,813	5,506
70% Exceedance	4,756	5,632	9,548	12,123	16,600	15,704	8,862	8,269	6,573	8,122	5,134	4,989
80% Exceedance	4,196	4,729	7,818	9,752	14,634	11,728	8,183	7,571	5,829	6,057	3,865	4,394
90% Exceedance	3,879	4,500	6,984	7,964	10,398	8,274	5,907	5,429	4,635	3,522	3,265	3,948
Full Simulation Period Average[a]	6,863	9,690	25,676	39,041	50,884	37,241	20,203	13,069	7,368	9,408	7,382	7,665
Wet Water Years (28%)	8,935	13,101	29,183	82,842	104,680	73,385	40,475	20,847	9,588	10,832	9,494	11,434
Above Normal Water Years (14%)	8,084	10,568	22,255	47,856	62,041	48,957	20,577	13,915	7,884	12,900	10,398	10,741
Below Normal Water Years (18%)	6,054	8,577	30,020	23,713	25,615	22,465	13,989	11,995	7,155	11,170	8,503	6,348
Dry Water Years (24%)	6,295	9,172	28,339	13,374	25,356	17,753	11,113	9,359	6,970	8,153	5,103	5,015
Critical Water Years (16%)	3,656	4,608	13,076	10,420	13,698	9,594	5,023	5,492	3,872	3,760	3,207	3,837

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-5c. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	191	419	374	-4	151	-2	-9	-5	-662	44	464
20% Exceedance	351	226	-31	871	259	-16	62	-1	-14	-432	-66	-198
30% Exceedance	214	477	274	297	-43	358	87	385	-274	-147	15	191
40% Exceedance	125	13	-434	269	448	-28	96	79	-151	-387	6	125
50% Exceedance	-164	60	422	-10	109	72	-32	43	-257	248	-4	328
60% Exceedance	-79	-226	205	-278	-193	-255	-262	-90	-81	-51	125	76
70% Exceedance	-13	-112	96	758	-109	-2	-24	2	29	-35	-134	-6
80% Exceedance	-53	-109	-31	146	-33	33	254	114	129	-758	-359	-4
90% Exceedance	90	27	146	-42	-255	-175	362	430	851	-51	-308	-43
Full Simulation Period Average[a]	14	87	251	249	142	-27	37	40	-38	-277	-63	106
Wet Water Years (28%)	6	5	49	479	241	2	-4	75	122	-276	-144	51
Above Normal Water Years (14%)	288	10	30	740	-39	46	-18	71	39	-376	-43	529
Below Normal Water Years (18%)	-93	353	276	-29	319	136	-69	-240	1	-237	232	169
Dry Water Years (24%)	-82	-78	496	162	289	-46	36	96	-354	-360	-121	-31
Critical Water Years (16%)	35	264	431	-141	-294	-300	275	181	48	-109	-185	-32

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-6a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-6b. Sacramento River Flow at Rio Vista, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,911	18,202	72,514	96,343	124,148	82,960	43,817	30,764	6,684	7,477	7,253	8,992
20% Exceedance	7,592	9,716	48,146	66,330	79,857	58,780	32,563	23,572	5,700	7,071	6,792	8,552
30% Exceedance	7,127	8,302	27,393	37,020	55,700	43,191	24,891	17,797	5,398	6,832	6,633	7,949
40% Exceedance	6,279	7,329	18,832	29,339	45,382	32,045	19,216	13,477	5,187	6,611	6,483	7,158
50% Exceedance	5,521	6,812	15,511	24,003	28,919	24,195	15,130	10,631	5,063	6,321	6,187	6,299
60% Exceedance	5,206	6,119	11,051	17,907	23,101	20,220	11,600	8,727	4,742	5,990	5,862	5,687
70% Exceedance	4,886	5,359	8,917	12,032	18,030	16,650	9,580	8,011	4,184	5,491	5,445	5,181
80% Exceedance	4,214	4,684	7,681	10,070	14,628	12,634	8,827	6,628	3,695	4,920	4,747	4,392
90% Exceedance	3,816	4,424	6,124	8,375	10,667	9,162	6,566	5,768	3,201	4,473	4,201	3,732
Full Simulation Period Average[a]	6,744	9,679	27,933	40,551	52,142	38,582	22,064	14,946	5,372	6,255	5,965	6,630
Wet Water Years (28%)	8,560	12,903	31,113	85,835	105,899	73,627	42,050	25,485	6,852	7,327	5,895	8,977
Above Normal Water Years (14%)	7,359	10,687	24,903	49,785	64,545	50,972	23,744	17,978	4,302	6,174	6,344	8,306
Below Normal Water Years (18%)	6,327	8,466	33,555	24,730	27,853	25,177	16,874	12,308	4,560	5,828	6,378	6,227
Dry Water Years (24%)	6,497	9,584	30,141	13,869	26,043	19,254	12,432	9,194	5,413	6,415	6,607	5,217
Critical Water Years (16%)	3,632	4,263	14,747	11,049	13,690	10,487	5,905	5,444	4,571	4,692	4,328	3,626

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-6c. Sacramento River Flow at Rio Vista, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-477	2,423	5,244	3,384	-228	-231	2,679	5,887	-2,434	-6,177	-3,308	-3,128
20% Exceedance	-226	-42	7,053	-246	2,324	825	2,818	4,782	-2,210	-5,822	-3,296	-2,795
30% Exceedance	-209	-362	4,578	1,726	1,332	2,379	4,229	4,350	-2,271	-5,252	-3,016	-1,487
40% Exceedance	-362	-902	1,358	1,660	1,140	3,502	2,754	2,411	-2,208	-4,352	-2,728	-1,456
50% Exceedance	-486	-719	1,632	1,696	222	2,616	2,790	1,128	-2,140	-3,593	-2,348	99
60% Exceedance	10	-948	-181	819	1,619	1,845	1,155	-172	-2,161	-3,153	-827	256
70% Exceedance	117	-385	-535	667	1,321	944	694	-256	-2,360	-2,666	177	186
80% Exceedance	-35	-154	-168	463	-39	939	898	-829	-2,005	-1,896	523	-6
90% Exceedance	26	-49	-714	368	13	713	1,021	769	-583	900	628	-259
Full Simulation Period Average[a]	-106	77	2,508	1,759	1,400	1,314	1,898	1,916	-2,034	-3,429	-1,481	-929
Wet Water Years (28%)	-368	-194	1,979	3,471	1,460	244	1,571	4,713	-2,614	-3,781	-3,743	-2,405
Above Normal Water Years (14%)	-436	129	2,678	2,669	2,465	2,061	3,149	4,135	-3,544	-7,102	-4,097	-1,906
Below Normal Water Years (18%)	180	241	3,810	988	2,557	2,849	2,817	74	-2,595	-5,579	-1,894	49
Dry Water Years (24%)	120	334	2,297	657	976	1,455	1,356	-69	-1,912	-2,098	1,383	171
Critical Water Years (16%)	11	-81	2,102	488	-302	593	1,157	134	748	822	937	-243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-7a. Sacramento River Flow at Rio Vista, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,388	15,779	67,270	92,959	124,376	83,191	41,138	24,876	9,118	13,654	10,561	12,120
20% Exceedance	7,818	9,757	41,093	66,576	77,533	57,955	29,745	18,790	7,910	12,893	10,088	11,347
30% Exceedance	7,336	8,664	22,814	35,294	54,368	40,812	20,662	13,447	7,668	12,084	9,650	9,437
40% Exceedance	6,642	8,231	17,474	27,680	44,242	28,543	16,462	11,066	7,396	10,962	9,211	8,615
50% Exceedance	6,006	7,531	13,879	22,308	28,697	21,579	12,340	9,503	7,203	9,914	8,535	6,201
60% Exceedance	5,196	7,066	11,232	17,089	21,481	18,375	10,445	8,899	6,903	9,143	6,689	5,431
70% Exceedance	4,769	5,744	9,452	11,365	16,709	15,706	8,885	8,267	6,544	8,157	5,268	4,994
80% Exceedance	4,249	4,838	7,849	9,606	14,667	11,695	7,929	7,457	5,701	6,816	4,225	4,398
90% Exceedance	3,790	4,473	6,839	8,006	10,654	8,449	5,545	4,999	3,784	3,572	3,573	3,991
Full Simulation Period Average[a]	6,849	9,603	25,425	38,792	50,742	37,269	20,166	13,029	7,406	9,685	7,446	7,559
Wet Water Years (28%)	8,929	13,097	29,134	82,363	104,439	73,383	40,479	20,772	9,466	11,109	9,638	11,382
Above Normal Water Years (14%)	7,795	10,558	22,225	47,116	62,080	48,912	20,595	13,844	7,846	13,276	10,441	10,213
Below Normal Water Years (18%)	6,147	8,224	29,745	23,742	25,296	22,329	14,058	12,234	7,154	11,407	8,272	6,178
Dry Water Years (24%)	6,377	9,250	27,844	13,212	25,067	17,799	11,076	9,263	7,324	8,513	5,224	5,046
Critical Water Years (16%)	3,621	4,344	12,645	10,561	13,992	9,893	4,748	5,310	3,824	3,870	3,391	3,869

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-7b. Sacramento River Flow at Rio Vista, Alternative 4, Monthly Flow (cfs)

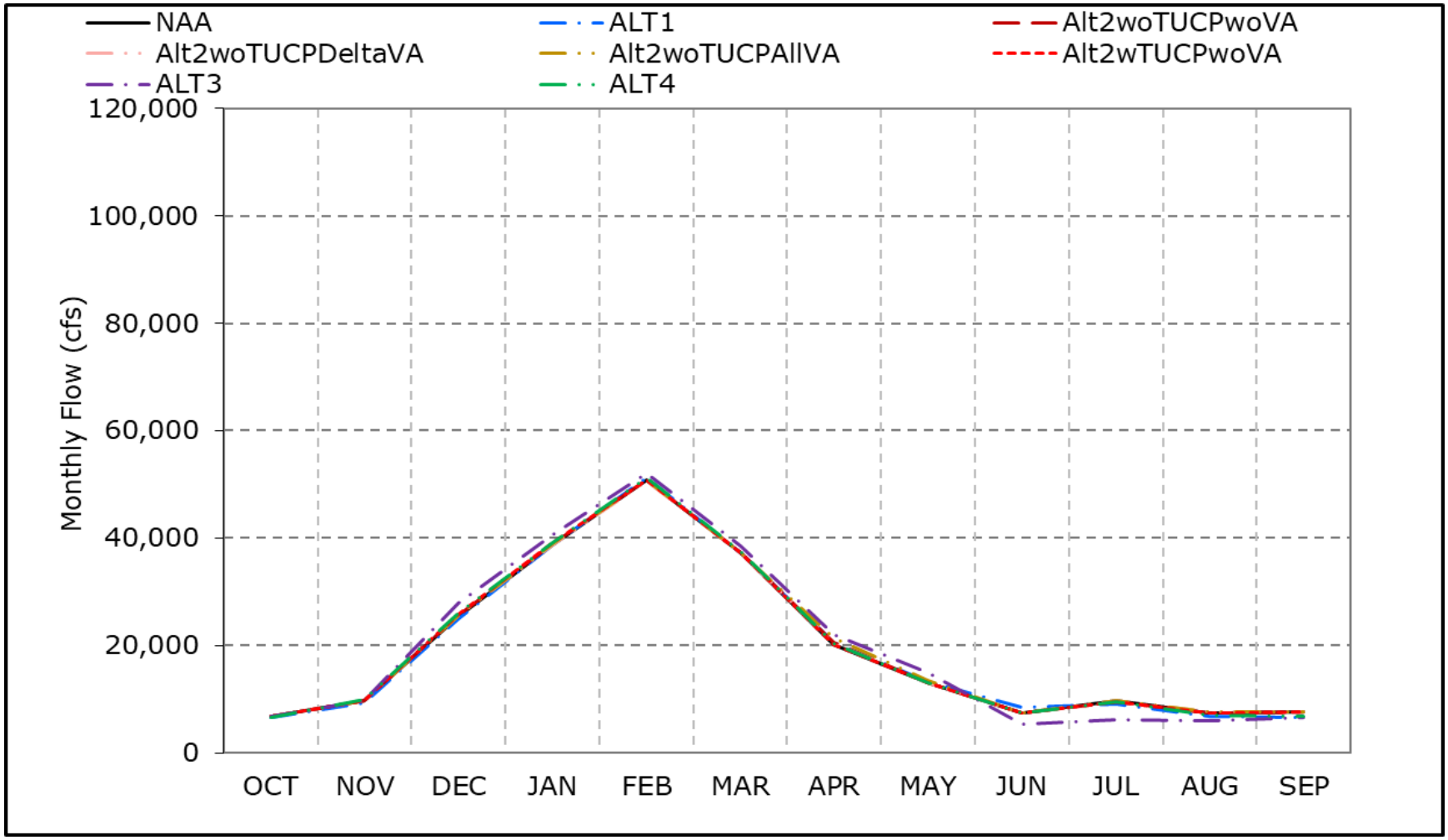
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,962	15,878	67,590	93,574	124,490	83,562	41,090	24,885	9,095	13,090	9,835	10,322
20% Exceedance	7,222	10,039	41,295	67,318	77,707	57,959	29,792	18,801	7,959	12,603	9,522	9,152
30% Exceedance	6,556	9,210	22,907	36,309	54,978	41,108	21,015	13,838	7,407	11,980	9,005	7,810
40% Exceedance	6,207	8,247	17,225	28,319	45,604	29,115	16,647	11,027	7,237	10,879	8,623	7,211
50% Exceedance	5,618	7,734	14,546	22,297	29,456	22,204	12,292	9,419	6,949	10,346	8,289	6,036
60% Exceedance	5,026	6,846	11,205	17,162	21,360	18,085	10,512	8,715	6,822	9,276	6,994	5,524
70% Exceedance	4,608	5,780	9,500	11,357	16,913	15,760	9,117	8,281	6,596	8,405	5,096	4,991
80% Exceedance	4,173	4,915	7,815	9,470	14,654	11,862	8,361	7,589	5,807	6,433	4,010	4,366
90% Exceedance	3,992	4,500	6,810	7,861	10,581	8,099	5,851	5,171	4,225	3,693	3,240	3,940
Full Simulation Period Average[a]	6,583	9,880	26,030	39,219	51,148	37,417	20,324	13,047	7,371	9,578	7,095	6,866
Wet Water Years (28%)	8,429	13,494	29,965	83,377	104,601	73,447	40,498	20,860	9,600	10,890	8,805	9,580
Above Normal Water Years (14%)	6,905	10,909	23,206	47,661	62,394	49,462	20,647	13,898	7,884	12,990	9,484	8,701
Below Normal Water Years (18%)	6,203	8,474	29,853	23,919	26,291	22,911	14,334	11,912	7,178	11,536	8,644	6,276
Dry Water Years (24%)	6,280	9,409	28,554	13,178	25,642	17,801	11,252	9,383	6,980	8,422	5,139	5,079
Critical Water Years (16%)	3,759	4,542	12,884	10,831	13,990	9,568	5,079	5,402	3,830	3,829	3,204	3,859

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-15-7c. Sacramento River Flow at Rio Vista, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

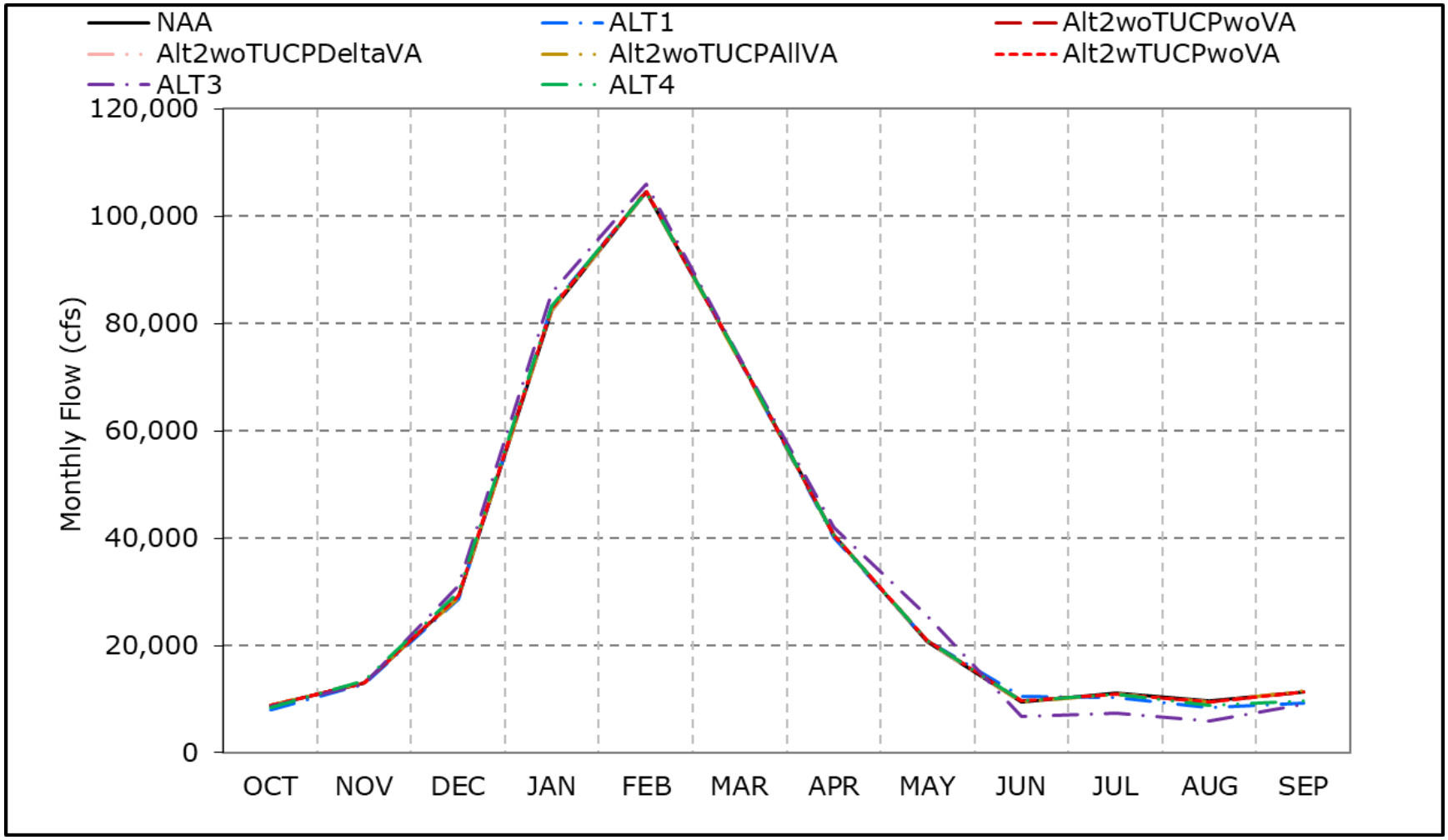
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-426	99	320	615	114	371	-48	9	-22	-564	-726	-1,798
20% Exceedance	-596	282	202	742	174	4	47	12	49	-290	-566	-2,195
30% Exceedance	-781	546	93	1,015	609	296	353	390	-261	-104	-644	-1,627
40% Exceedance	-435	16	-250	639	1,361	572	185	-39	-158	-84	-588	-1,404
50% Exceedance	-389	203	667	-10	759	624	-48	-84	-254	431	-247	-165
60% Exceedance	-170	-220	-27	74	-121	-290	67	-184	-81	134	305	93
70% Exceedance	-161	36	48	-8	204	53	232	14	52	249	-172	-3
80% Exceedance	-76	77	-35	-137	-13	167	432	132	106	-383	-215	-32
90% Exceedance	203	27	-29	-145	-73	-350	307	172	441	120	-333	-51
Full Simulation Period Average[a]	-266	277	606	427	406	148	158	18	-35	-106	-351	-693
Wet Water Years (28%)	-500	397	831	1,014	162	64	20	88	133	-219	-833	-1,803
Above Normal Water Years (14%)	-891	351	981	545	314	550	52	54	38	-286	-957	-1,512
Below Normal Water Years (18%)	56	250	108	177	995	582	277	-322	24	129	372	97
Dry Water Years (24%)	-97	159	710	-34	576	3	176	119	-345	-91	-85	33
Critical Water Years (16%)	137	198	239	270	-2	-325	331	92	7	-41	-187	-10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



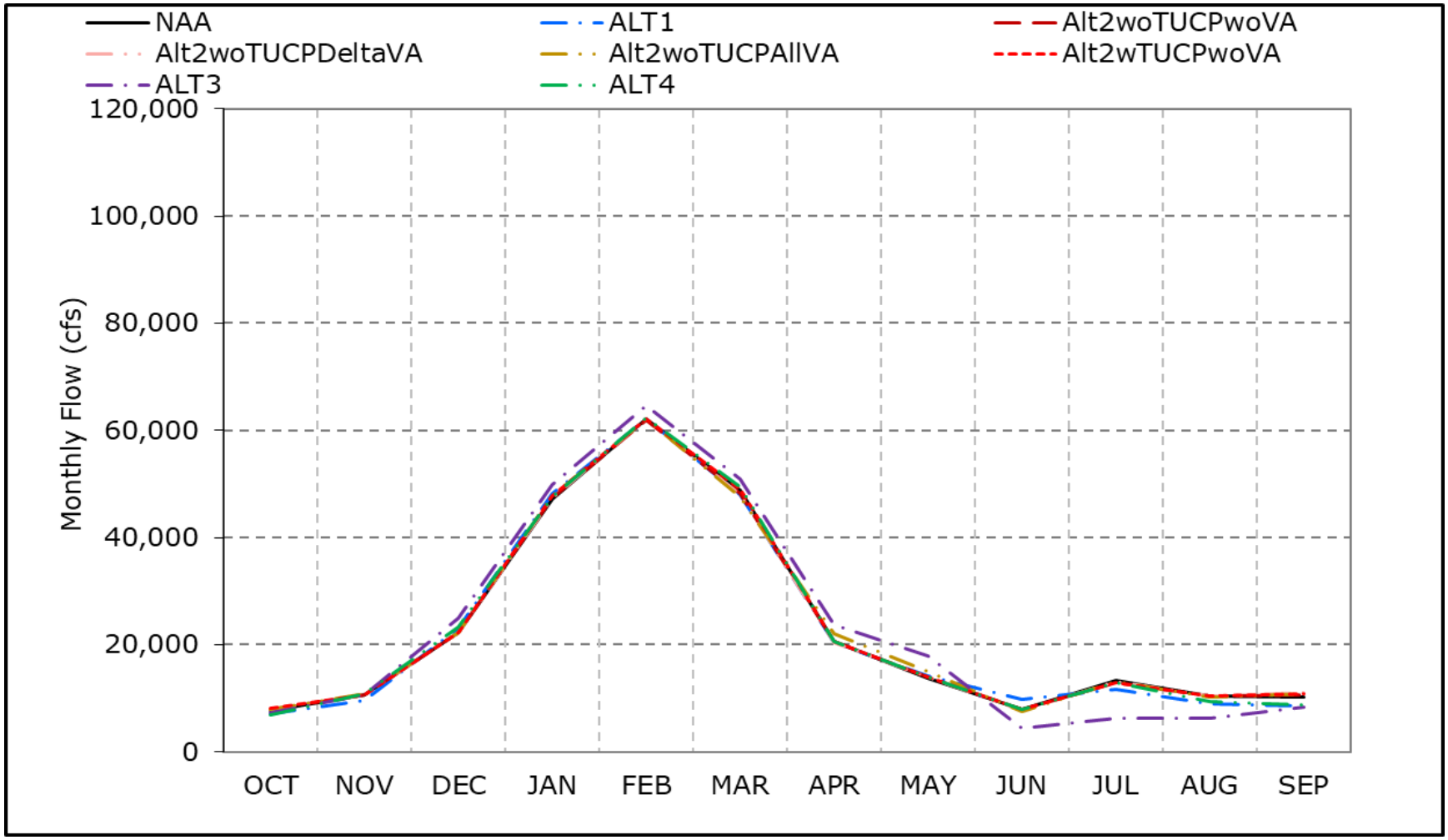
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-1. Sacramento River Flow at Rio Vista, Long-Term Average Flow



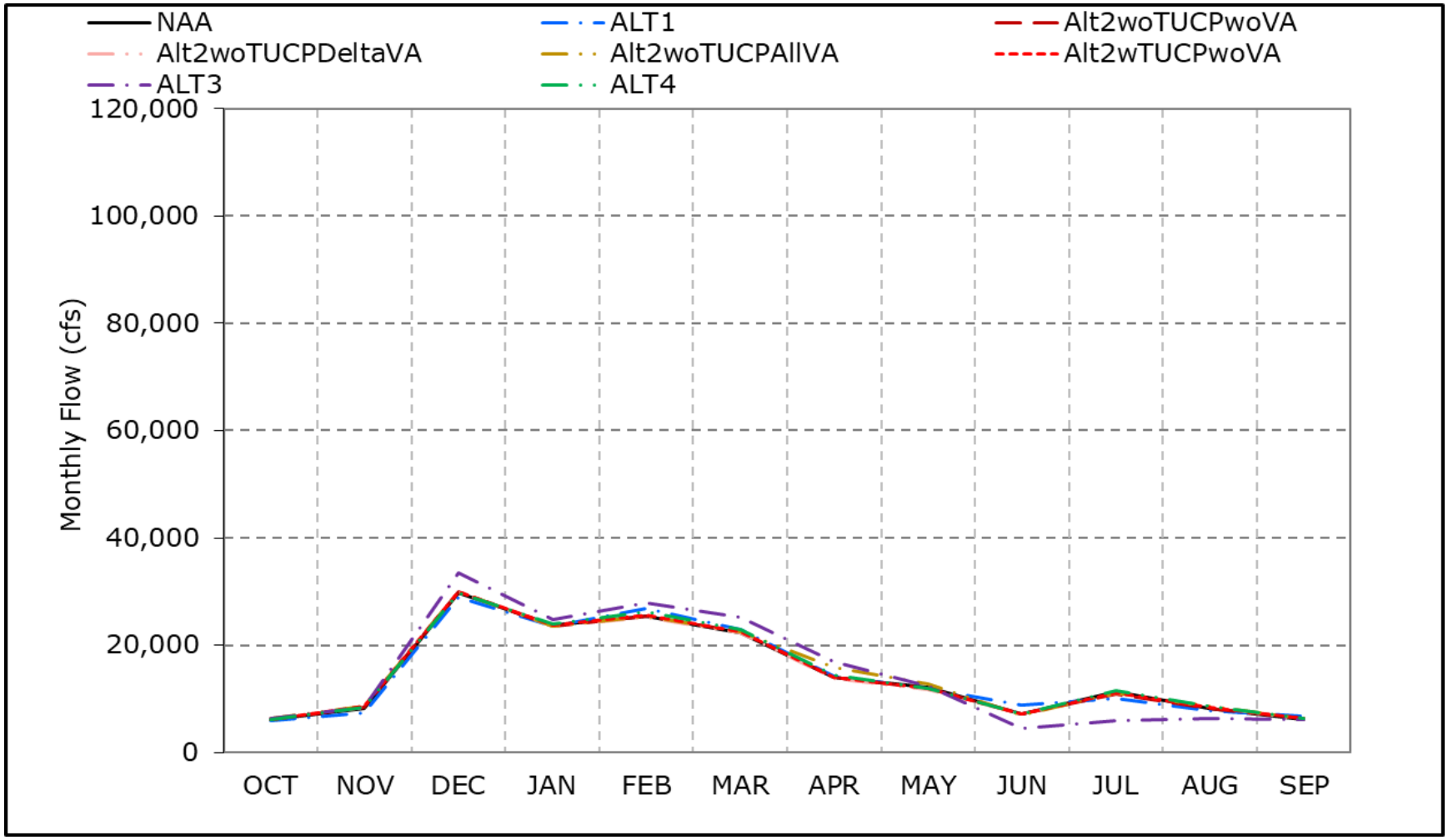
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-2. Sacramento River Flow at Rio Vista, Wet Year Average Flow



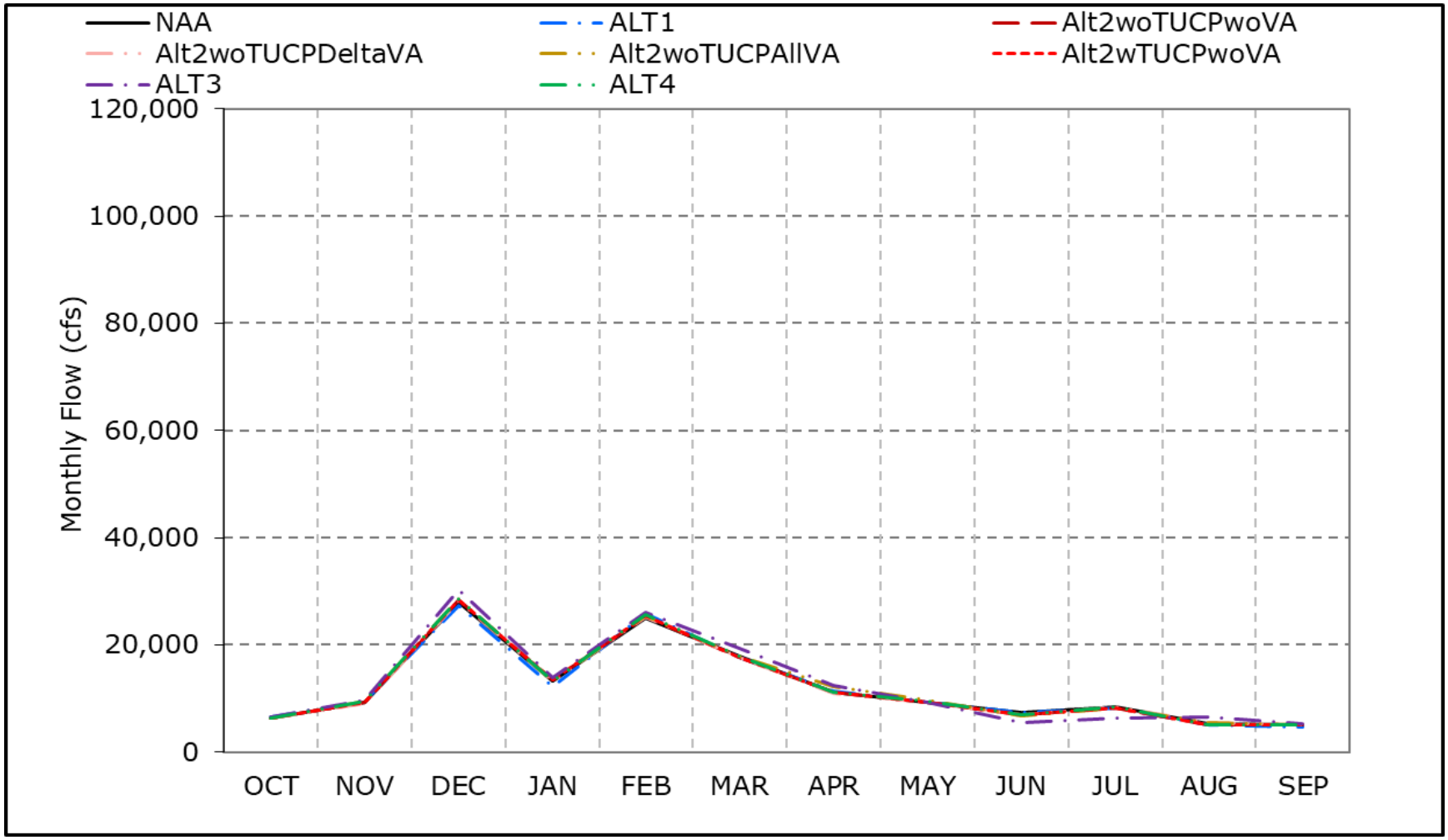
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-3. Sacramento River Flow at Rio Vista, Above Normal Year Average Flow



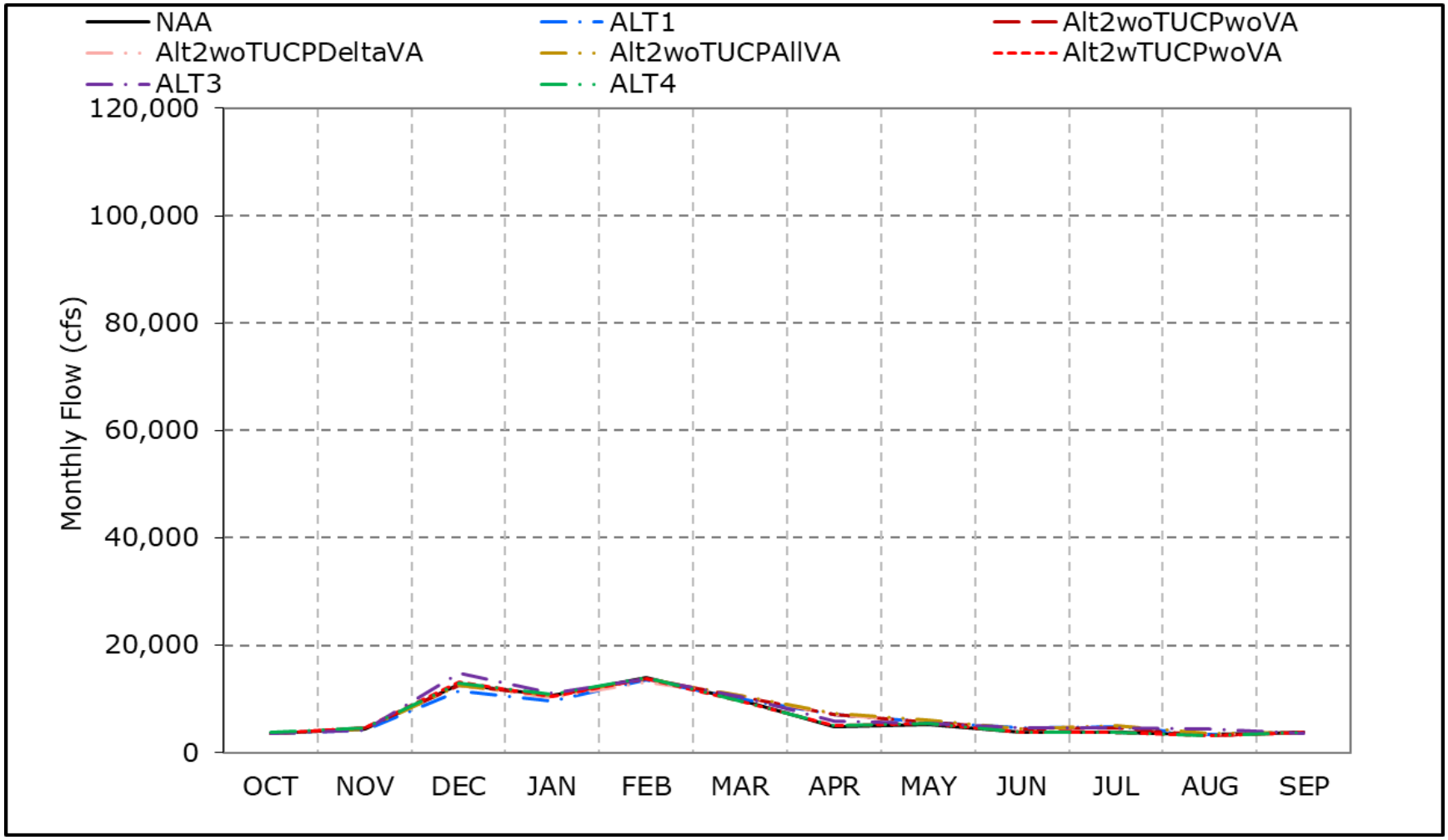
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-4. Sacramento River Flow at Rio Vista, Below Normal Year Average Flow



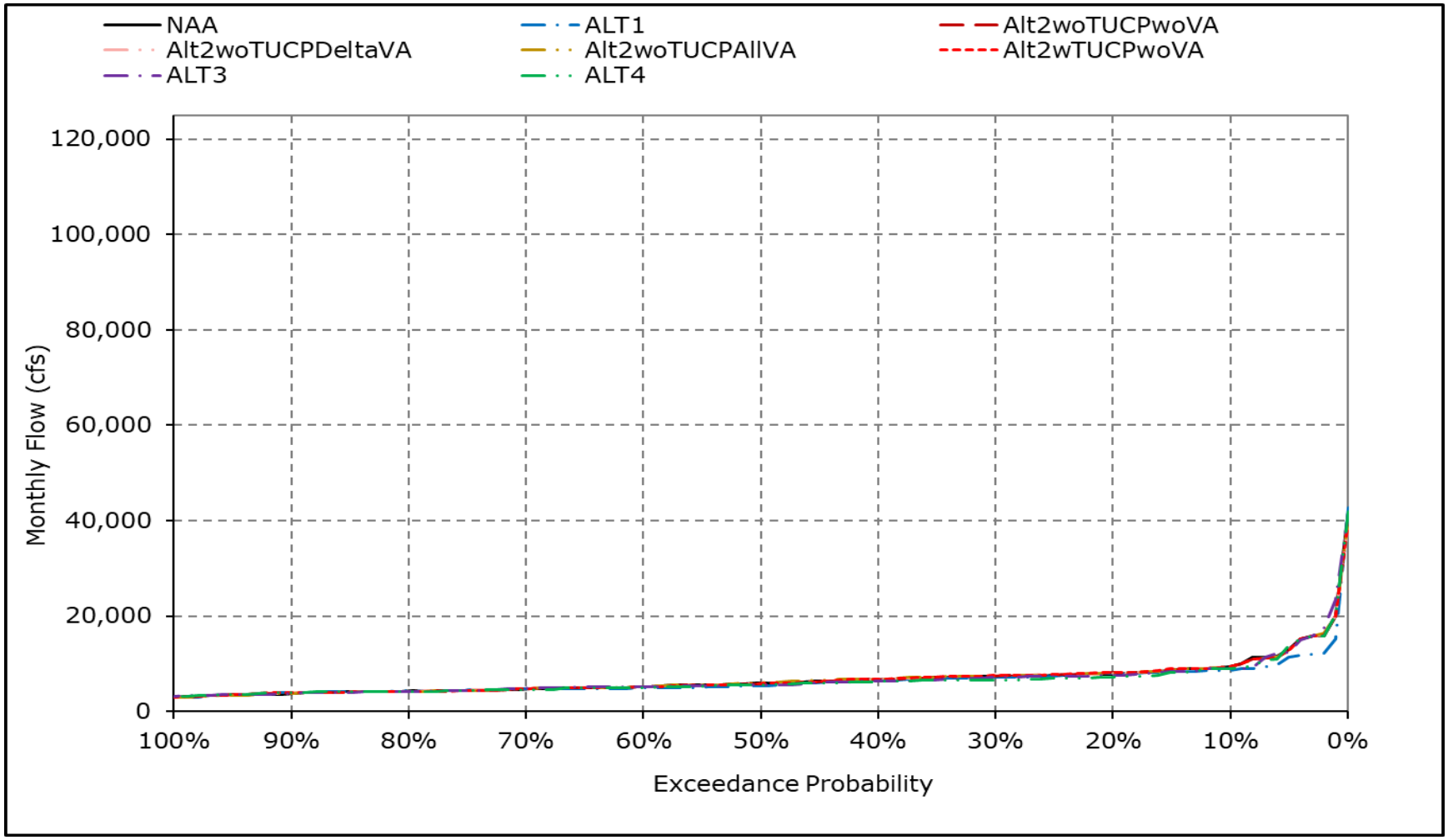
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-5. Sacramento River Flow at Rio Vista, Dry Year Average Flow



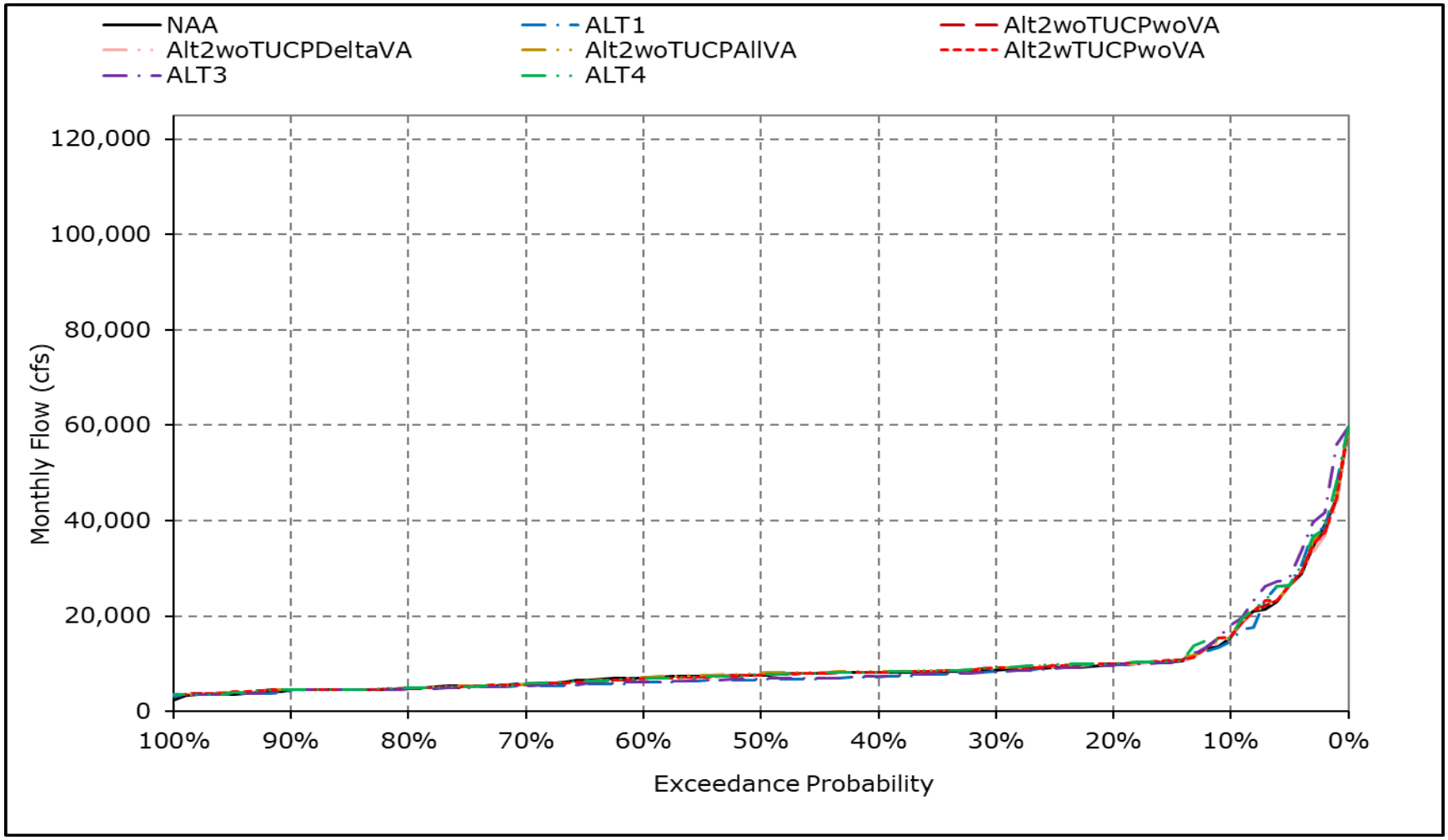
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-6. Sacramento River Flow at Rio Vista, Critical Year Average Flow



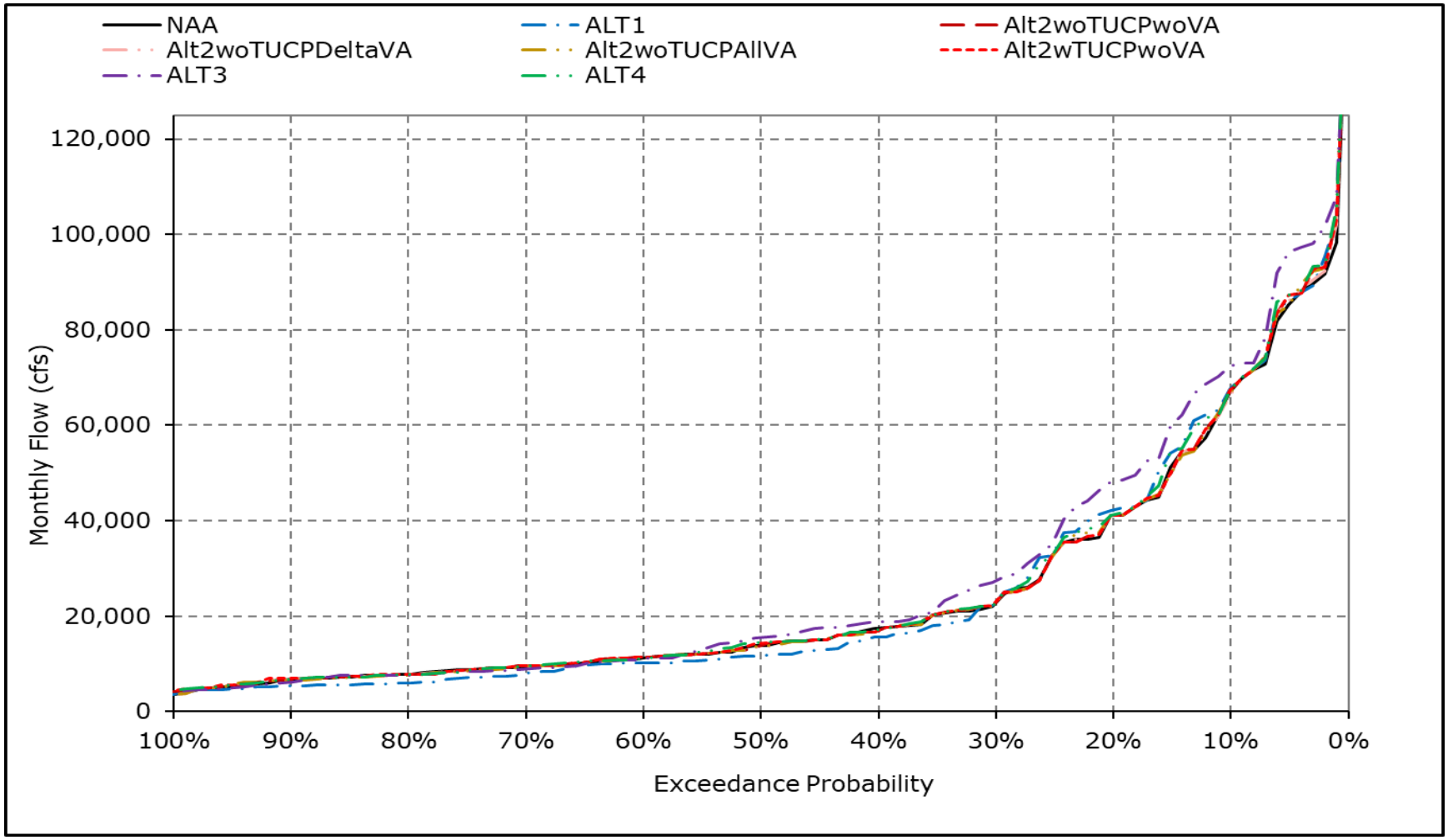
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-7. Sacramento River Flow at Rio Vista, October



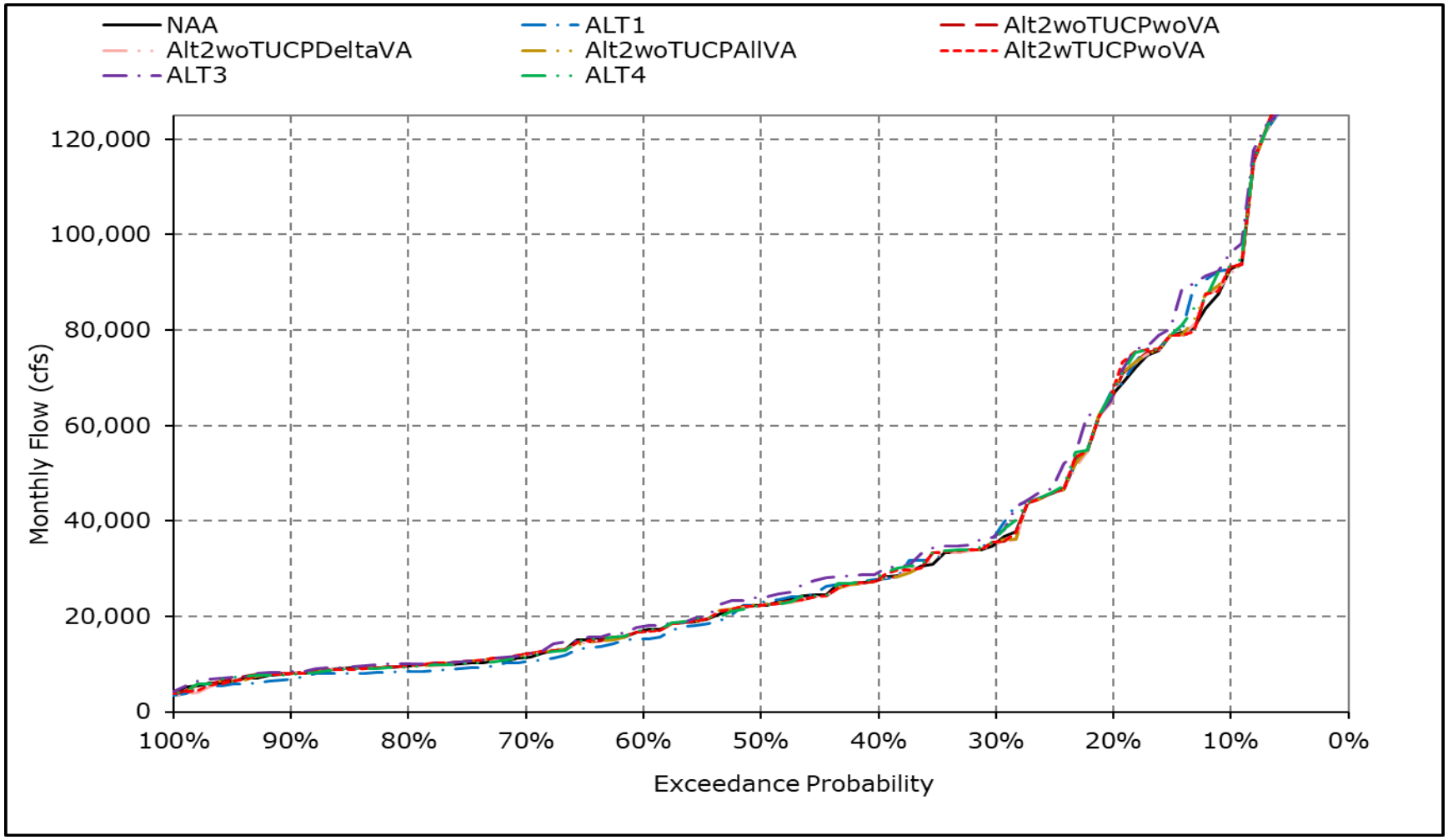
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-8. Sacramento River Flow at Rio Vista, November



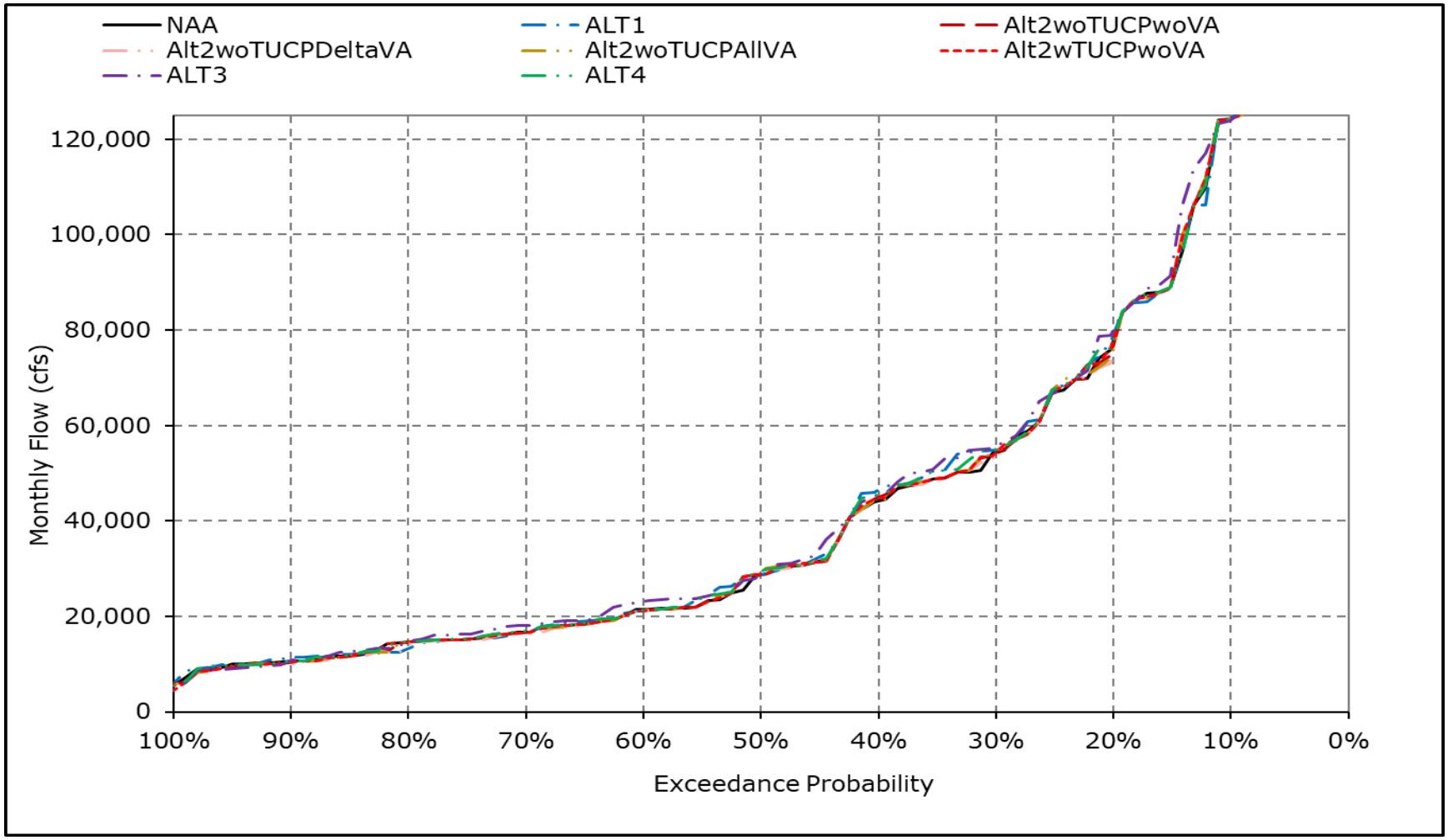
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-9. Sacramento River Flow at Rio Vista, December



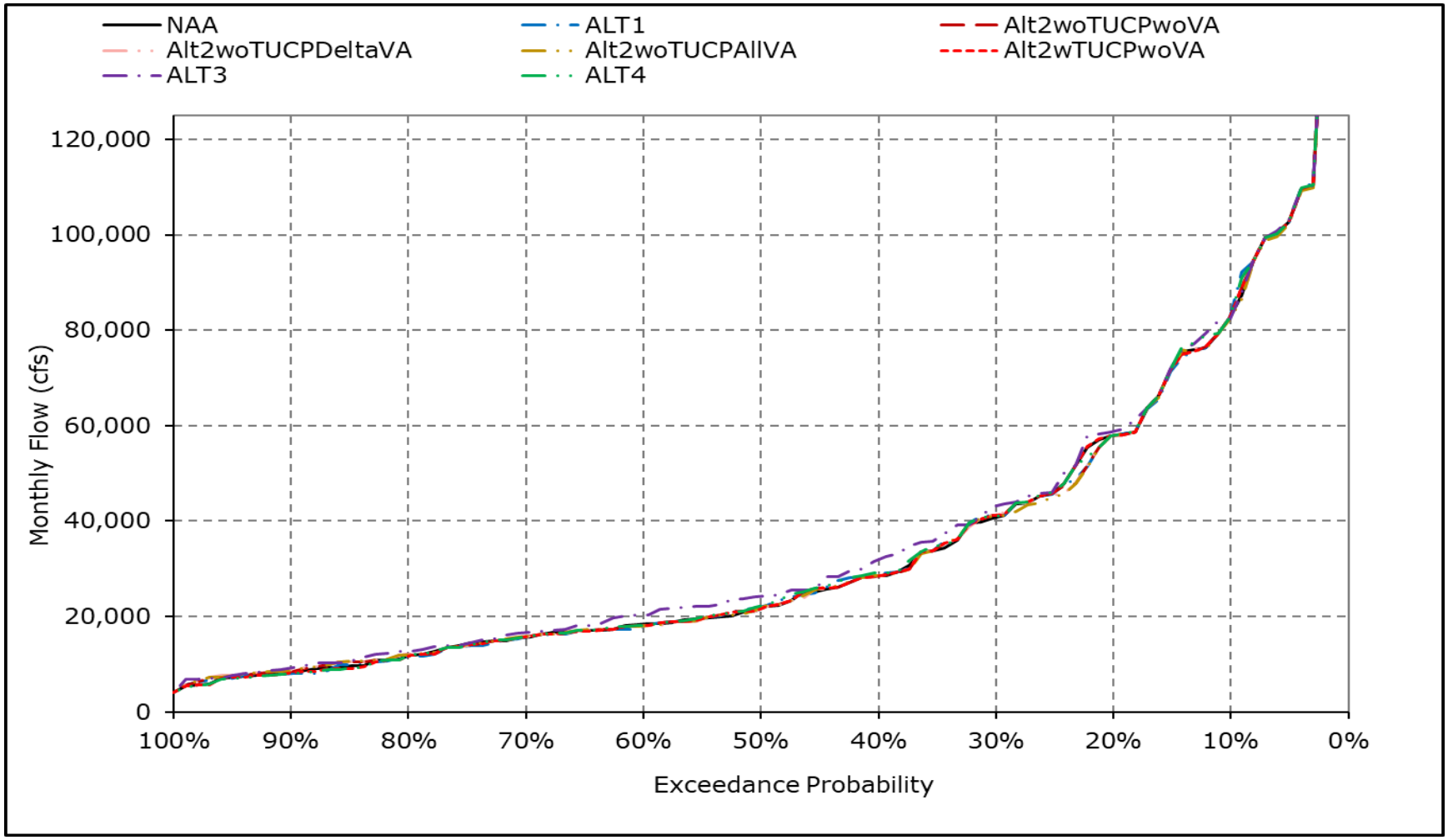
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-10. Sacramento River Flow at Rio Vista, January



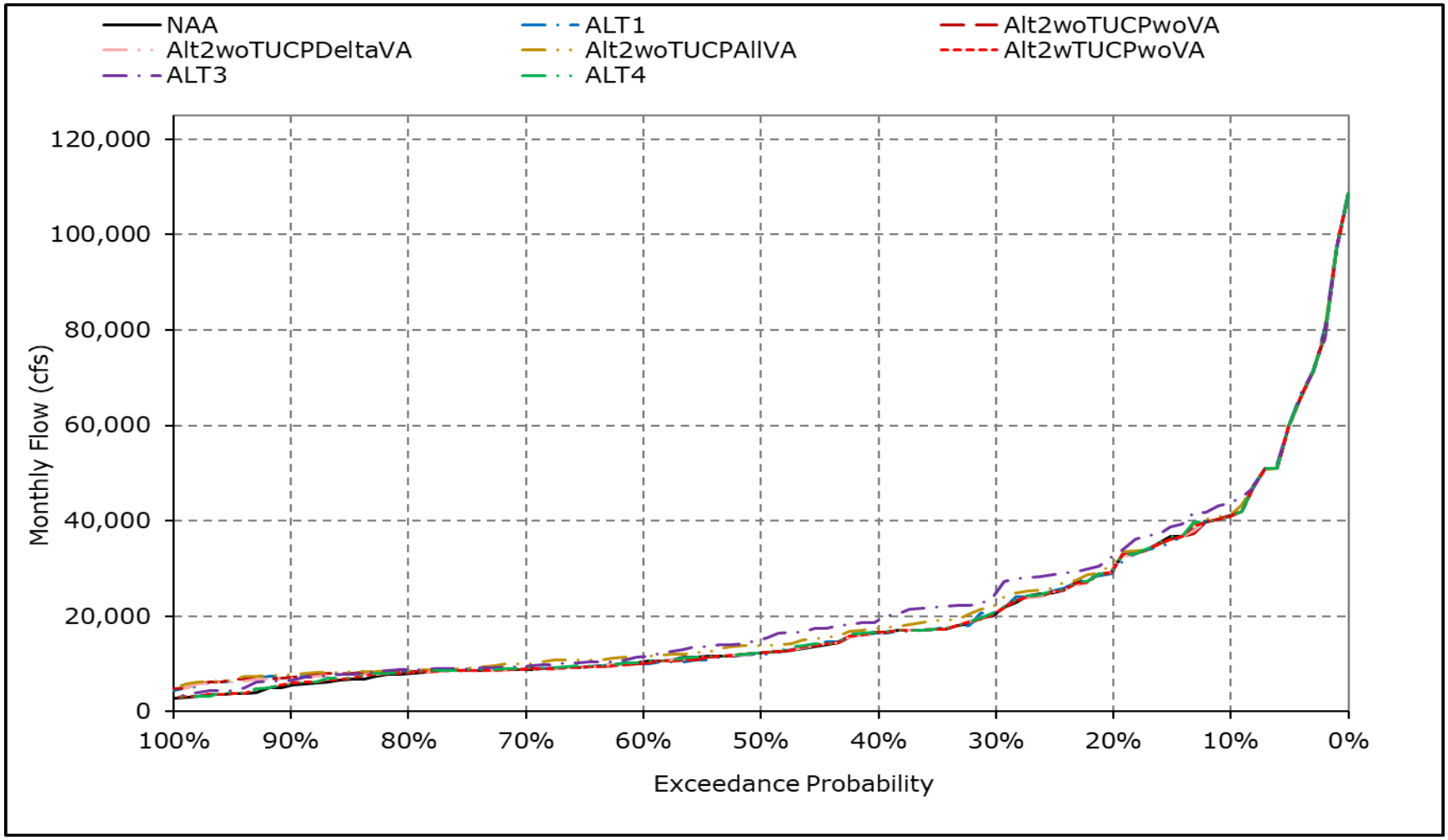
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-11. Sacramento River Flow at Rio Vista, February



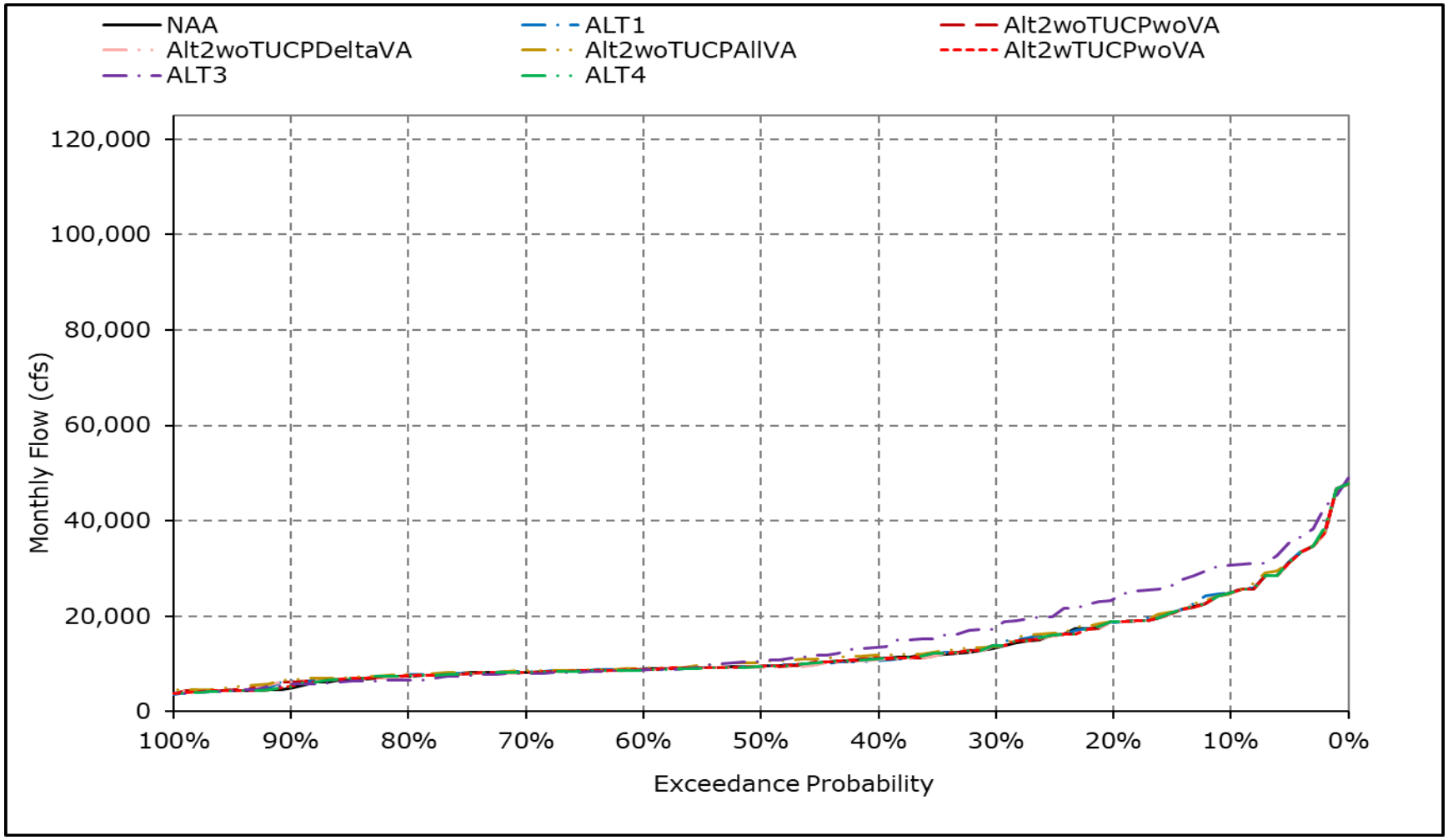
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-12. Sacramento River Flow at Rio Vista, March



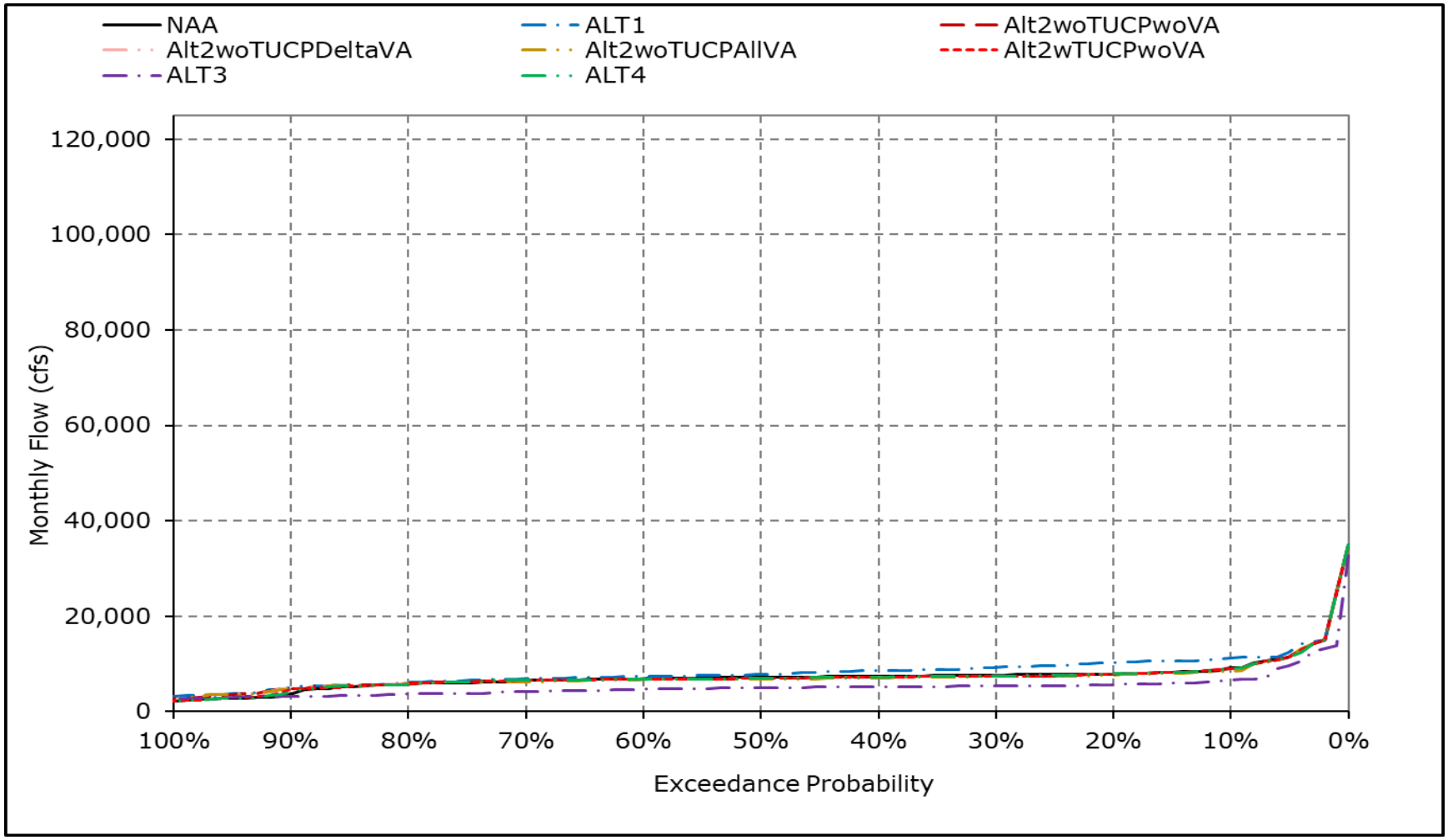
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-13. Sacramento River Flow at Rio Vista, April



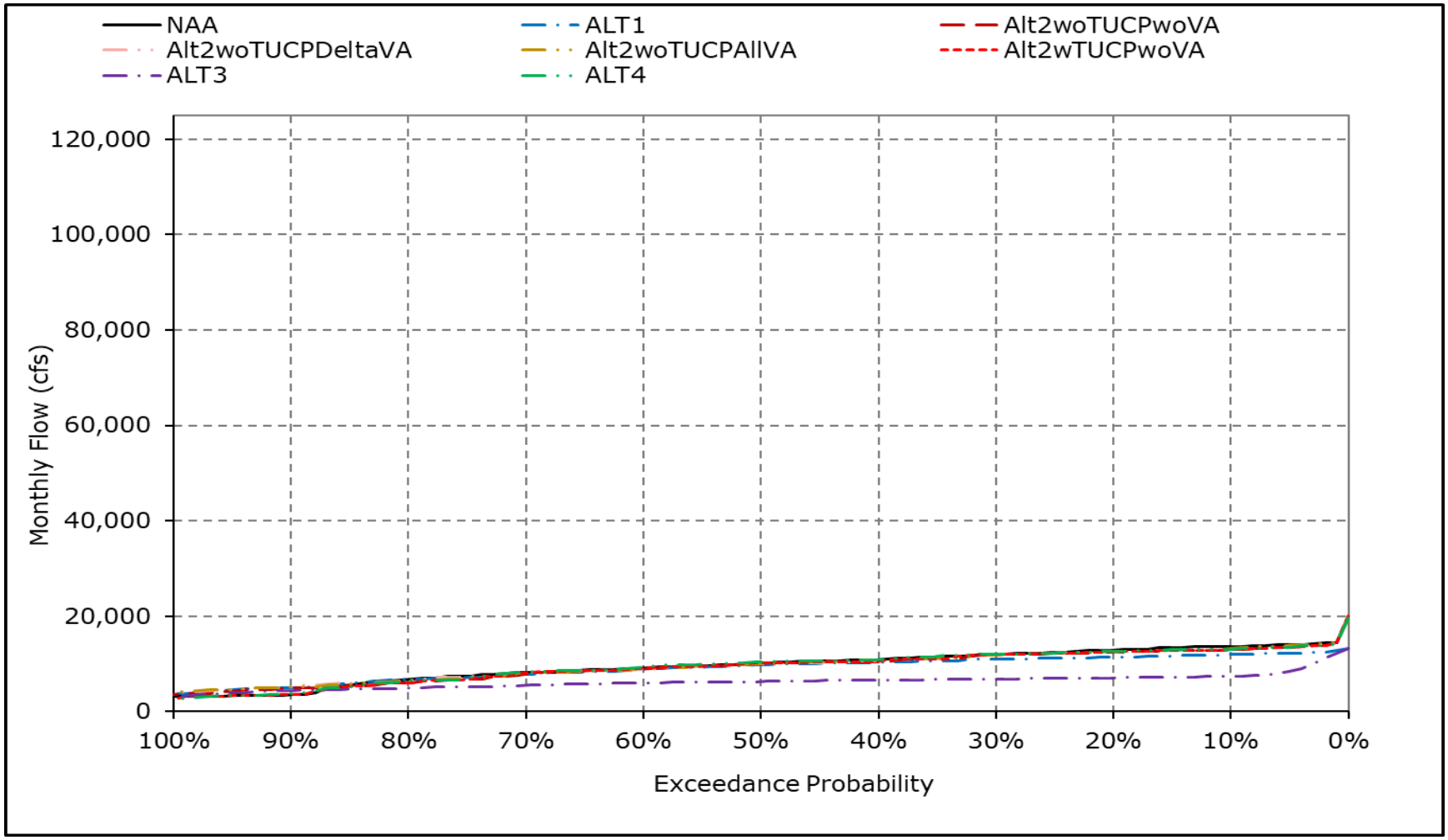
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-14. Sacramento River Flow at Rio Vista, May



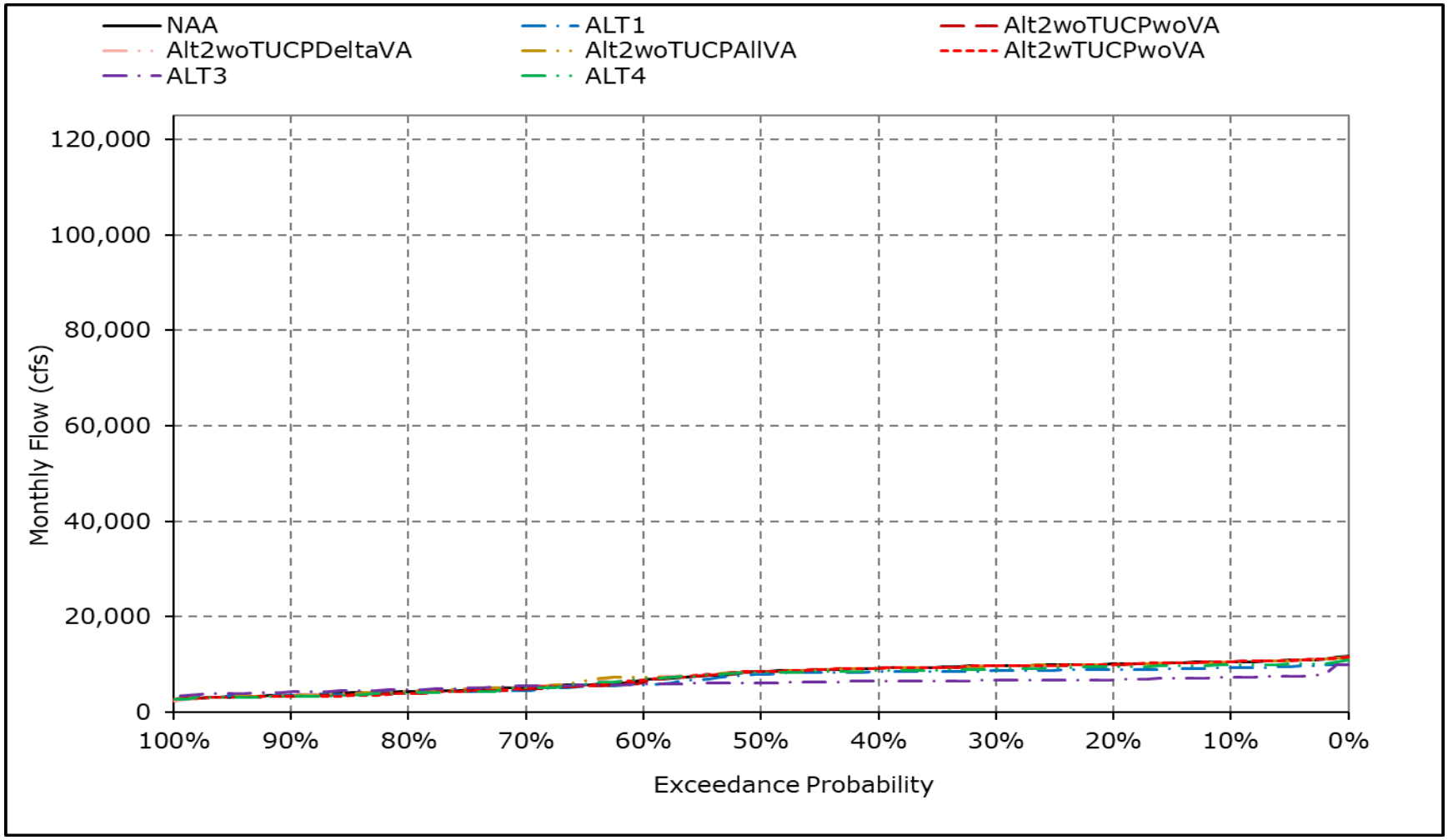
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-15. Sacramento River Flow at Rio Vista, June



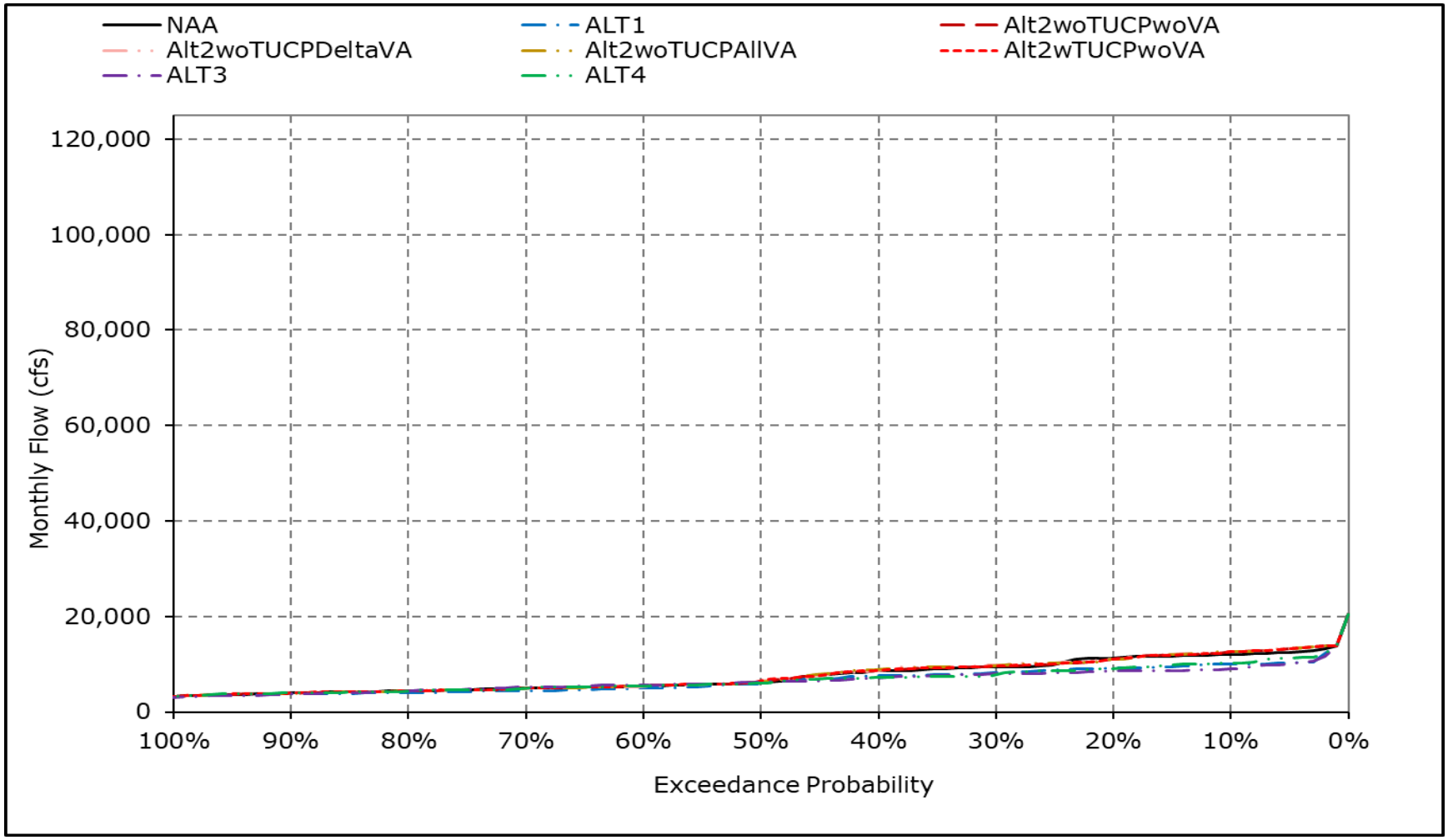
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-16. Sacramento River Flow at Rio Vista, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-17. Sacramento River Flow at Rio Vista, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-18. Sacramento River Flow at Rio Vista, September

Table F.2.2-16-1a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-1b. San Joaquin River Flow at Gravelly Ford, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	359	216	250	1,955	1,805	3,378	2,324	2,252	1,117	262	104
20% Exceedance	147	357	191	211	318	1,007	3,264	1,191	1,196	1,080	228	96
30% Exceedance	146	356	187	209	236	872	3,223	329	211	71	72	94
40% Exceedance	145	355	184	208	212	835	2,842	270	182	68	70	92
50% Exceedance	145	354	184	207	210	834	1,588	184	149	65	67	90
60% Exceedance	143	353	183	207	209	833	1,231	135	129	60	63	88
70% Exceedance	140	352	182	206	208	832	839	118	120	56	61	86
80% Exceedance	135	313	181	204	206	830	262	111	118	52	55	71
90% Exceedance	115	312	155	185	200	825	152	95	88	0	0	67
Full Simulation Period Average[a]	133	322	267	461	657	1,111	1,925	743	698	313	102	82
Wet Water Years (22%)	138	350	461	1,412	2,044	2,004	3,717	2,675	2,646	1,241	278	80
Above Normal Water Years (12%)	145	356	311	219	535	1,182	3,120	482	219	58	61	89
Below Normal Water Years (15%)	144	355	197	183	304	873	2,592	272	195	57	62	89
Dry Water Years (17%)	147	346	187	183	185	839	1,255	149	130	62	64	94
Critical Water Years (34%)	111	262	192	194	195	751	384	88	113	40	40	72

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-1c. San Joaquin River Flow at Gravelly Ford, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-2	0	0	30	3	0	7	5	0	2	0
20% Exceedance	-2	-2	-2	-2	1	-2	-1	-1	-1	-1	2	-7
30% Exceedance	-2	-1	-1	-2	0	4	0	1	1	-1	0	-2
40% Exceedance	-2	-1	-2	-1	-2	-2	-2	1	2	-3	-2	-2
50% Exceedance	-1	-1	-2	-2	-2	-1	0	2	1	-3	-3	-3
60% Exceedance	-1	-1	-1	-1	-2	-2	0	1	-2	-2	-4	-2
70% Exceedance	-2	-1	-1	-1	-2	-2	0	-2	-3	-3	-2	-1
80% Exceedance	-2	0	-2	-1	-1	-1	-2	-2	-3	-3	-1	-2
90% Exceedance	0	0	0	-1	-1	-2	-3	-3	-4	0	0	0
Full Simulation Period Average[a]	-1	-2	-1	0	1	1	8	-6	0	-1	-1	-2
Wet Water Years (22%)	-2	-2	-1	3	4	3	38	-25	4	-1	2	-1
Above Normal Water Years (12%)	-1	-1	1	-1	2	14	-1	2	2	-3	-3	-2
Below Normal Water Years (15%)	-1	-1	-1	-1	2	-2	-1	1	1	-2	-2	-2
Dry Water Years (17%)	-2	-4	-1	-1	-2	-2	0	0	-2	-3	-2	-3
Critical Water Years (34%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-2a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-2b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,924	1,801	3,378	2,317	2,246	1,117	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	97
40% Exceedance	147	357	186	210	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	71	93
60% Exceedance	144	354	184	208	211	835	1,231	134	131	62	66	90
70% Exceedance	142	353	184	207	210	833	839	120	124	59	64	87
80% Exceedance	138	313	183	205	208	832	264	115	122	54	57	74
90% Exceedance	115	312	155	186	201	827	155	98	91	0	0	67
Full Simulation Period Average[a]	134	323	268	462	657	1,112	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,700	2,642	1,241	276	82
Above Normal Water Years (12%)	147	357	310	220	533	1,182	3,121	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-2c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-2	0	0	0	-1	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	1	0
80% Exceedance	0	0	0	0	0	0	0	1	0	0	1	0
90% Exceedance	0	0	0	0	0	0	0	0	-1	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	2	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	-1	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	14	1	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-3a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-3b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	2,061	1,801	3,377	2,375	2,326	1,122	260	104
20% Exceedance	149	358	193	213	317	1,009	3,257	1,192	1,197	1,082	226	103
30% Exceedance	148	358	188	211	237	873	3,190	327	210	72	72	97
40% Exceedance	147	357	186	210	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	148	68	71	93
60% Exceedance	144	354	184	208	211	835	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	834	839	120	124	59	64	87
80% Exceedance	138	313	183	205	208	832	264	115	122	54	57	74
90% Exceedance	115	312	155	186	201	827	155	98	91	0	0	67
Full Simulation Period Average[a]	134	323	268	462	658	1,110	1,911	750	702	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,025	1,997	3,648	2,708	2,661	1,243	277	82
Above Normal Water Years (12%)	147	357	310	220	570	1,171	3,121	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-3c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	136	0	0	58	79	5	0	0
20% Exceedance	0	0	0	0	0	0	-8	0	0	0	0	1
30% Exceedance	0	0	0	0	2	5	-33	0	0	0	0	1
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	1	0
80% Exceedance	0	0	0	0	0	1	0	1	0	0	1	0
90% Exceedance	0	0	0	0	0	0	0	0	-1	0	0	0
Full Simulation Period Average[a]	0	0	0	0	1	0	-7	2	4	0	0	0
Wet Water Years (22%)	0	0	0	1	-15	-3	-31	7	18	1	0	0
Above Normal Water Years (12%)	0	0	0	0	37	3	1	0	0	0	1	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-4a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-4b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,377	2,373	2,326	1,121	260	104
20% Exceedance	149	358	193	213	317	1,009	3,257	1,192	1,197	1,081	226	103
30% Exceedance	148	358	188	211	238	868	3,190	328	210	72	72	97
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	71	93
60% Exceedance	144	354	184	208	211	835	1,231	134	131	62	66	90
70% Exceedance	142	353	184	207	210	833	839	120	124	59	64	87
80% Exceedance	137	313	183	205	208	832	264	114	121	54	57	74
90% Exceedance	115	312	155	186	201	827	154	98	91	0	0	67
Full Simulation Period Average[a]	134	324	268	462	654	1,111	1,911	750	703	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,026	1,998	3,648	2,708	2,667	1,243	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,182	3,121	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-4c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	56	79	5	0	0
20% Exceedance	0	0	0	0	0	0	-8	0	0	0	0	1
30% Exceedance	0	0	0	0	2	0	-33	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	-1	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	1	0
80% Exceedance	0	0	0	0	0	0	0	1	0	0	1	0
90% Exceedance	0	0	0	0	0	0	0	0	-1	0	0	0
Full Simulation Period Average[a]	0	0	0	0	-3	1	-7	2	5	0	0	0
Wet Water Years (22%)	0	0	0	0	-13	-3	-31	8	24	1	1	0
Above Normal Water Years (12%)	0	0	0	0	0	14	1	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-5a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-5b. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	154	361	216	250	1,923	1,801	3,378	2,317	2,246	1,117	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	98
40% Exceedance	147	357	186	210	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	186	209	212	836	1,588	183	149	68	71	93
60% Exceedance	144	354	184	208	211	835	1,231	134	131	62	66	90
70% Exceedance	142	353	184	207	210	833	839	120	124	58	64	87
80% Exceedance	138	313	183	205	208	832	264	115	122	54	56	74
90% Exceedance	115	312	155	186	201	827	155	98	91	0	0	67
Full Simulation Period Average[a]	134	323	268	462	657	1,112	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,678	2,700	2,642	1,241	276	82
Above Normal Water Years (12%)	147	357	310	220	533	1,182	3,121	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	132	65	67	98
Critical Water Years (34%)	113	263	193	195	197	752	386	90	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-5c. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	0	0	-2	0	0	0	-1	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	2
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	-1	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	2	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	0	0	0	0	-1	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	14	1	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-6a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-6b. San Joaquin River Flow at Gravelly Ford, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	169	384	219	249	1,823	1,785	3,382	2,276	2,396	1,134	250	105
20% Exceedance	169	371	216	235	307	1,010	3,280	1,185	1,202	1,095	212	105
30% Exceedance	166	367	202	223	241	870	3,226	316	203	72	73	105
40% Exceedance	160	365	198	219	230	849	2,852	266	171	72	72	105
50% Exceedance	155	361	195	217	223	845	1,587	175	143	72	72	104
60% Exceedance	152	358	193	215	221	843	1,231	131	132	72	72	102
70% Exceedance	149	349	190	212	218	840	840	129	131	71	72	94
80% Exceedance	142	313	188	209	213	836	272	126	128	58	65	91
90% Exceedance	115	313	155	187	200	822	164	104	101	0	0	77
Full Simulation Period Average[a]	143	330	274	465	656	1,112	1,922	737	696	318	103	92
Wet Water Years (22%)	152	362	468	1,397	2,019	1,988	3,681	2,651	2,635	1,246	267	94
Above Normal Water Years (12%)	159	368	303	224	529	1,171	3,126	474	210	70	70	101
Below Normal Water Years (15%)	157	366	205	189	298	882	2,601	268	189	69	71	100
Dry Water Years (17%)	157	361	204	194	196	849	1,256	152	137	68	68	104
Critical Water Years (34%)	118	262	200	203	206	756	393	93	117	41	40	77

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-6c. San Joaquin River Flow at Gravelly Ford, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16	23	3	-1	-102	-16	5	-42	149	18	-10	0
20% Exceedance	21	13	23	23	-10	1	15	-6	5	14	-13	2
30% Exceedance	18	10	15	12	5	1	3	-11	-7	1	1	8
40% Exceedance	13	8	12	10	16	12	8	-3	-9	1	1	11
50% Exceedance	9	6	9	8	11	9	-1	-8	-5	4	2	11
60% Exceedance	8	4	8	7	10	8	0	-2	0	10	5	12
70% Exceedance	7	-5	6	5	8	7	1	9	8	12	8	7
80% Exceedance	4	0	5	3	6	5	8	13	7	3	9	17
90% Exceedance	0	1	0	2	-1	-4	10	7	9	0	0	10
Full Simulation Period Average[a]	9	7	6	3	-1	1	5	-11	-2	4	0	7
Wet Water Years (22%)	12	10	6	-12	-20	-13	3	-50	-8	5	-9	13
Above Normal Water Years (12%)	12	11	-7	5	-5	3	6	-7	-8	10	7	10
Below Normal Water Years (15%)	12	10	7	5	-5	7	8	-3	-5	10	7	9
Dry Water Years (17%)	8	11	15	10	10	8	0	3	4	2	1	6
Critical Water Years (34%)	6	-1	7	9	9	5	7	3	3	0	0	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-7a. San Joaquin River Flow at Gravelly Ford, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,925	1,801	3,378	2,317	2,247	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,264	1,192	1,197	1,082	226	103
30% Exceedance	148	357	188	211	235	869	3,223	328	210	72	72	96
40% Exceedance	147	357	186	209	214	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	68	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	833	839	120	123	58	63	87
80% Exceedance	137	313	182	205	207	831	264	113	121	54	56	74
90% Exceedance	115	312	155	186	201	827	154	98	92	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,110	1,917	748	698	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,039	2,001	3,679	2,701	2,643	1,241	277	82
Above Normal Water Years (12%)	147	357	310	220	533	1,168	3,120	481	218	60	64	91
Below Normal Water Years (15%)	146	356	198	184	302	875	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	186	841	1,256	149	132	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-7b. San Joaquin River Flow at Gravelly Ford, Alternative 4, Monthly Flow (cfs)

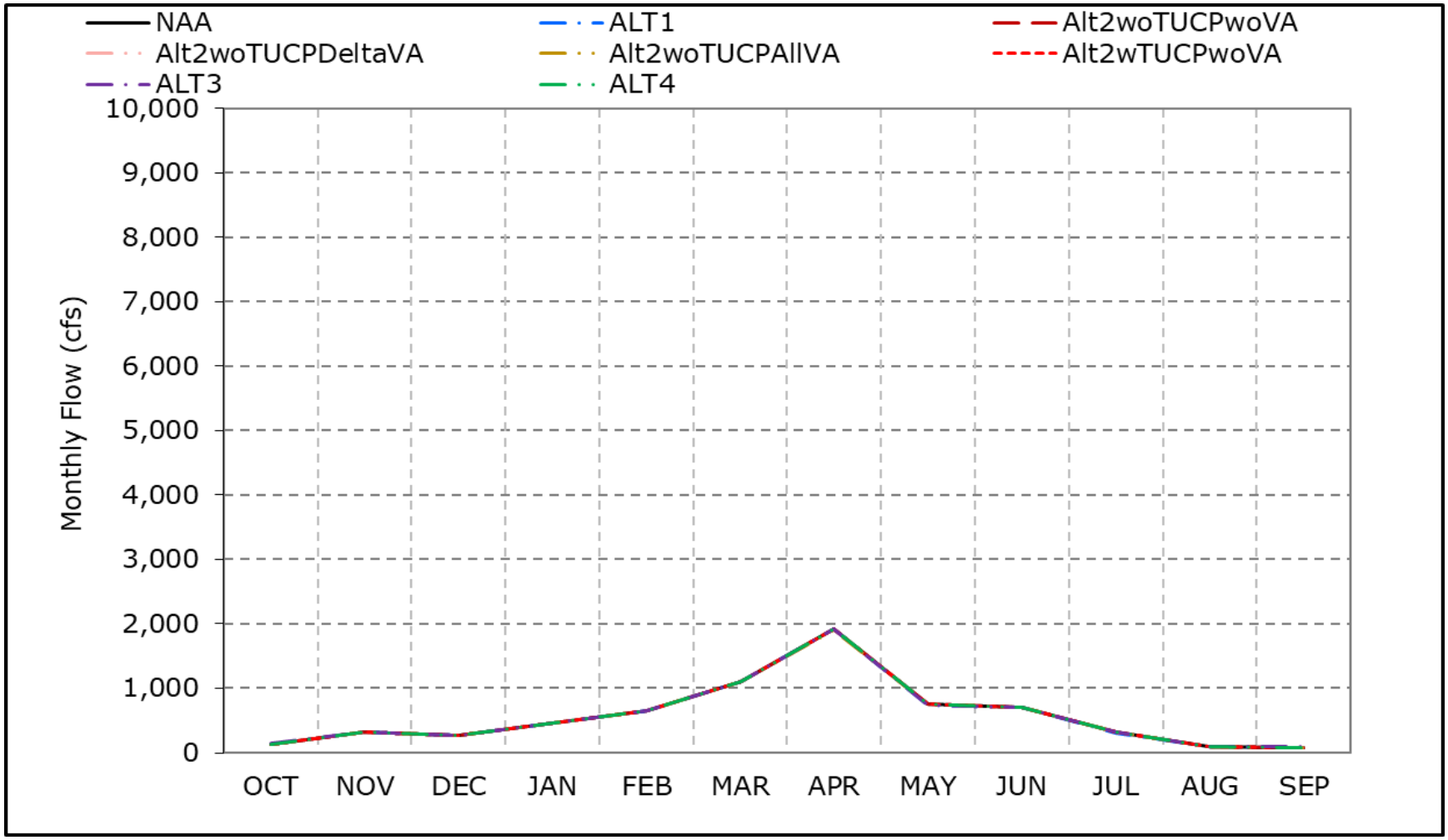
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	152	360	216	250	1,930	1,802	3,378	2,319	2,248	1,116	261	104
20% Exceedance	148	358	193	212	317	1,008	3,264	1,192	1,197	1,081	226	102
30% Exceedance	147	357	188	210	235	870	3,223	328	210	72	72	96
40% Exceedance	147	356	186	209	213	837	2,843	269	180	71	72	93
50% Exceedance	146	355	185	208	212	835	1,588	183	149	67	70	92
60% Exceedance	143	354	184	208	210	834	1,231	134	131	61	66	90
70% Exceedance	142	353	183	206	210	833	839	120	123	58	63	86
80% Exceedance	137	313	182	205	207	831	263	113	121	53	55	73
90% Exceedance	115	312	155	185	201	826	154	97	90	0	0	67
Full Simulation Period Average[a]	134	323	267	461	657	1,112	1,917	748	698	314	103	84
Wet Water Years (22%)	140	351	462	1,409	2,040	2,001	3,678	2,702	2,644	1,241	277	81
Above Normal Water Years (12%)	146	357	310	219	534	1,182	3,120	481	218	59	63	90
Below Normal Water Years (15%)	145	356	198	184	303	875	2,593	271	194	58	64	90
Dry Water Years (17%)	148	349	188	184	186	840	1,256	149	132	65	67	97
Critical Water Years (34%)	112	263	193	195	197	752	385	89	114	41	40	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-16-7c. San Joaquin River Flow at Gravelly Ford, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

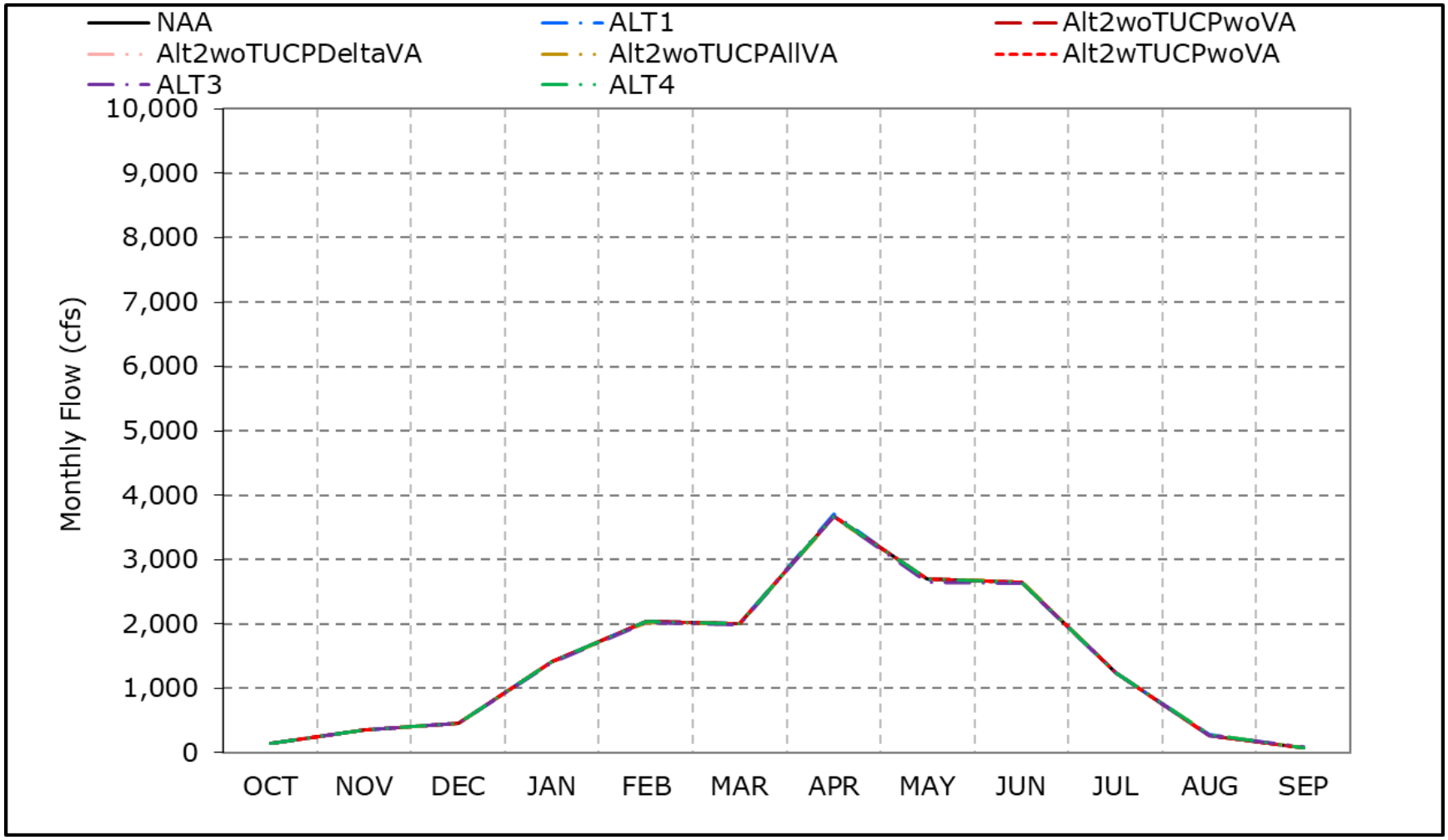
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	0	0	5	1	0	1	1	0	1	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	1	-1
30% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
40% Exceedance	0	0	0	0	-1	0	-1	0	1	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	-1
60% Exceedance	0	0	0	0	0	0	0	0	0	-1	-1	-1
70% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	-1
80% Exceedance	0	0	0	0	0	0	0	0	0	-1	-1	-1
90% Exceedance	0	0	0	0	0	-1	-1	0	-2	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	2	0	0	0	0	0	0
Wet Water Years (22%)	0	0	0	1	1	1	0	1	1	0	1	0
Above Normal Water Years (12%)	0	0	0	0	1	14	0	1	0	-1	-1	-1
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	-1	-1	-1
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	-1
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



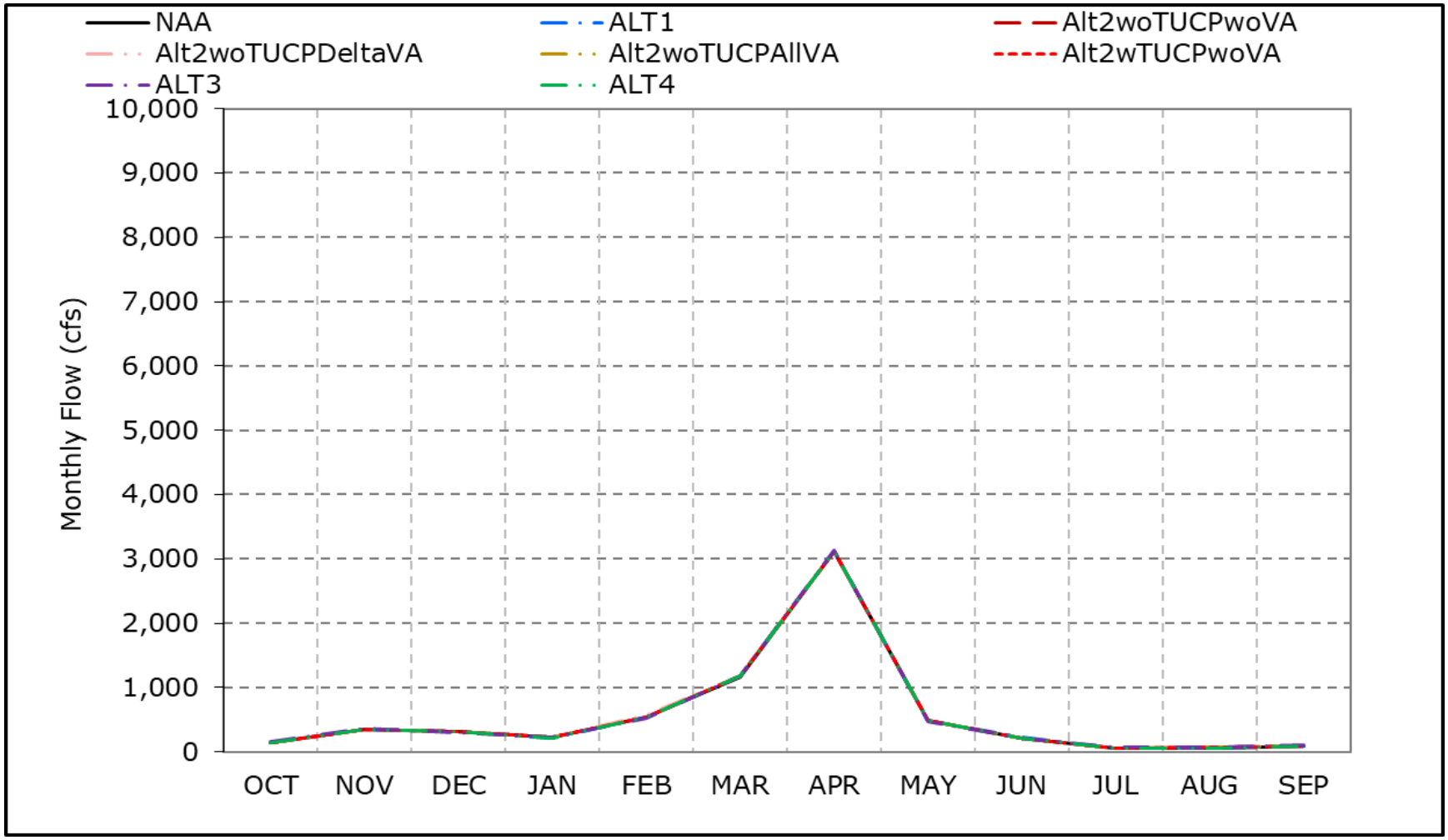
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-1. San Joaquin River Flow at Gravelly Ford, Long-Term Average Flow



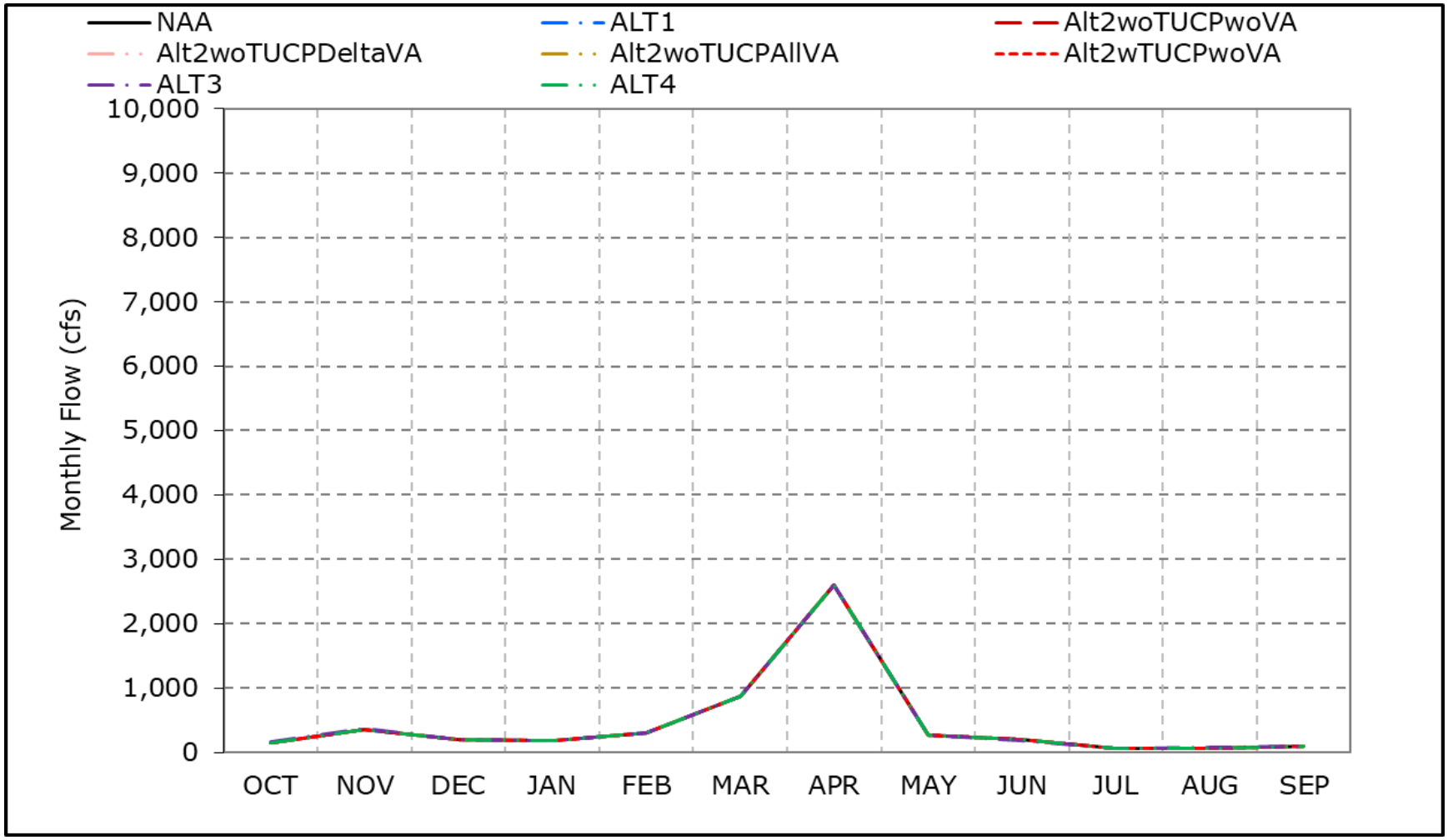
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-2. San Joaquin River Flow at Gravelly Ford, Wet Year Average Flow



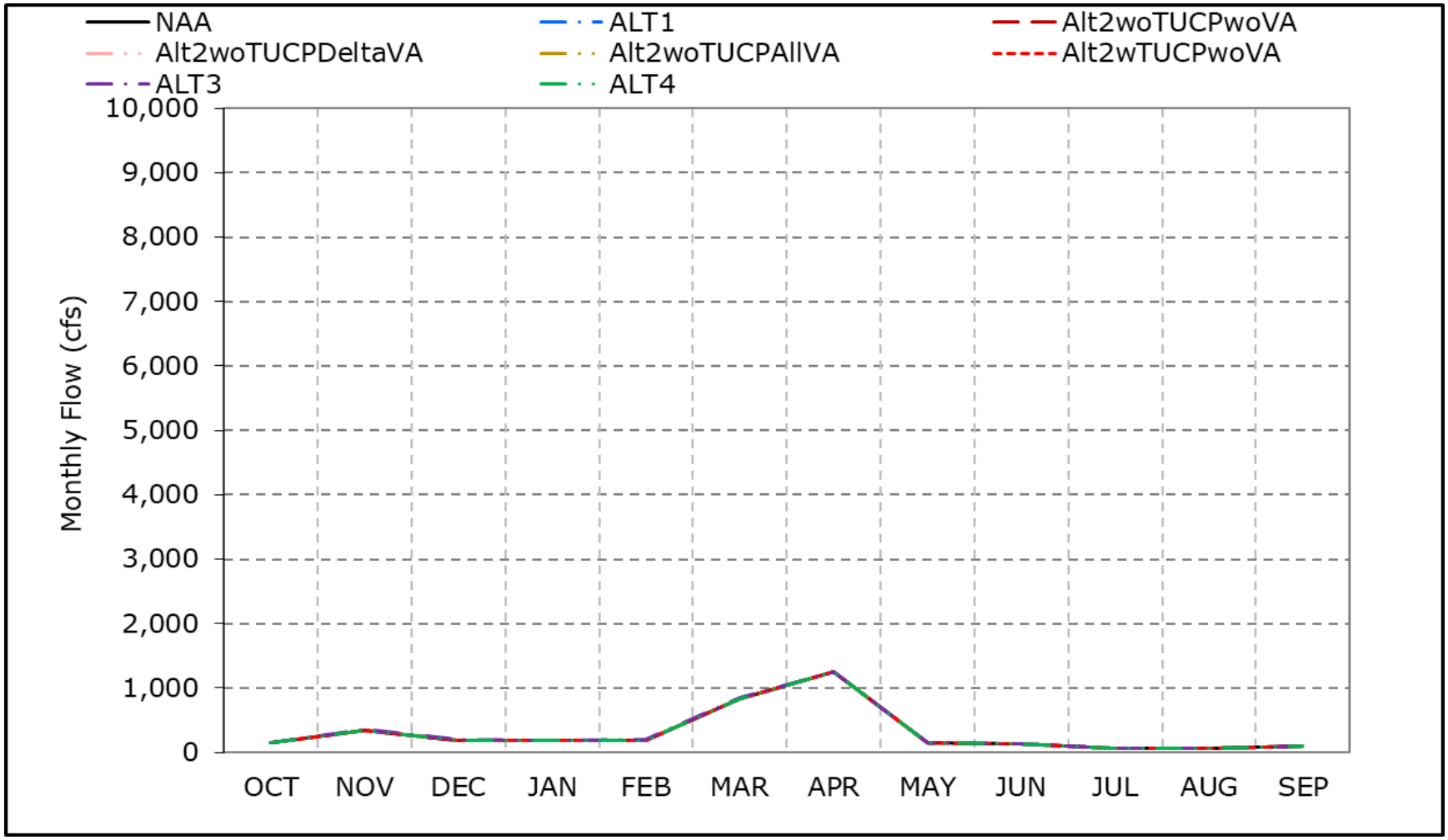
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-3. San Joaquin River Flow at Gravelly Ford, Above Normal Year Average Flow



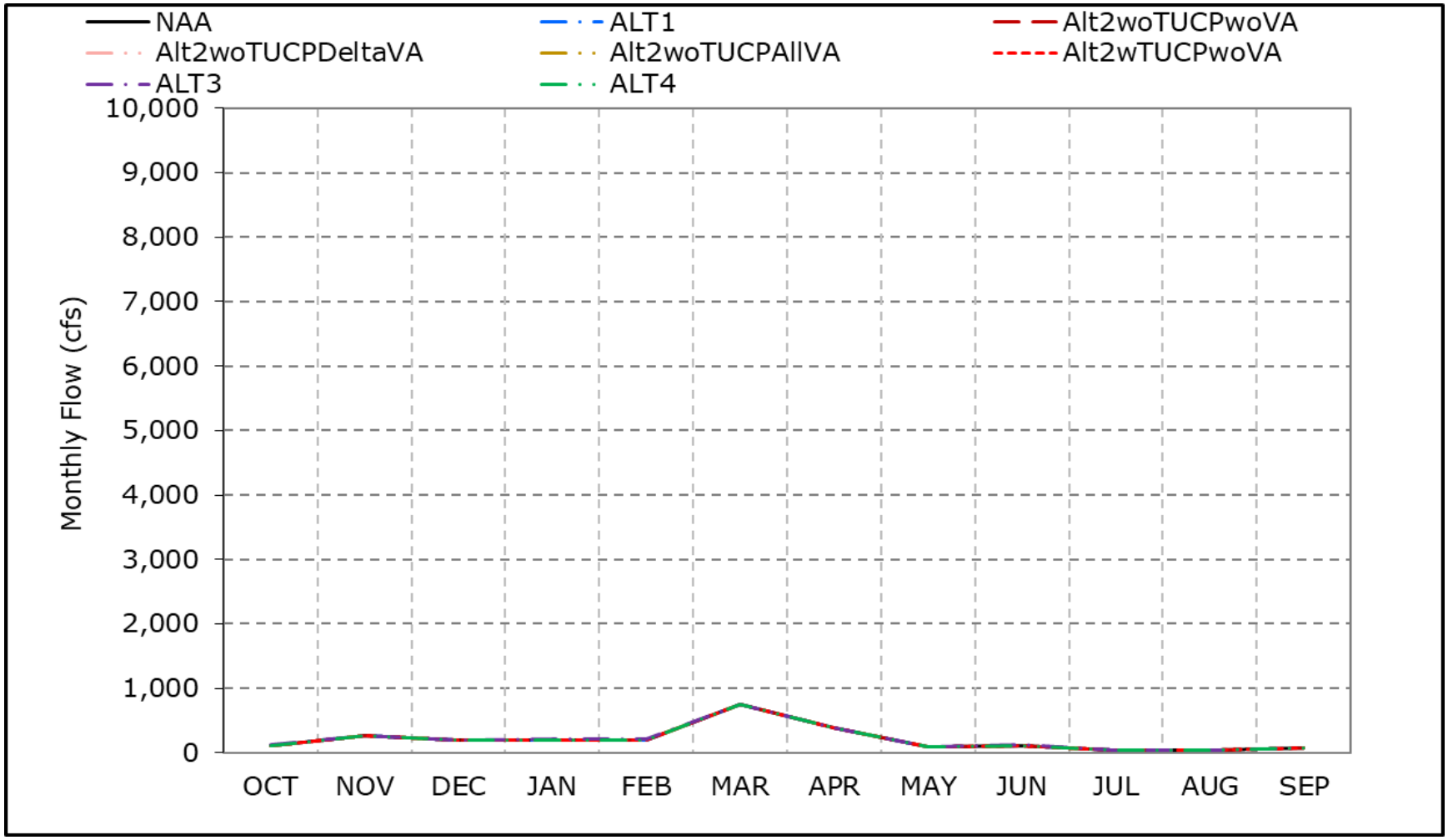
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-4. San Joaquin River Flow at Gravelly Ford, Below Normal Year Average Flow



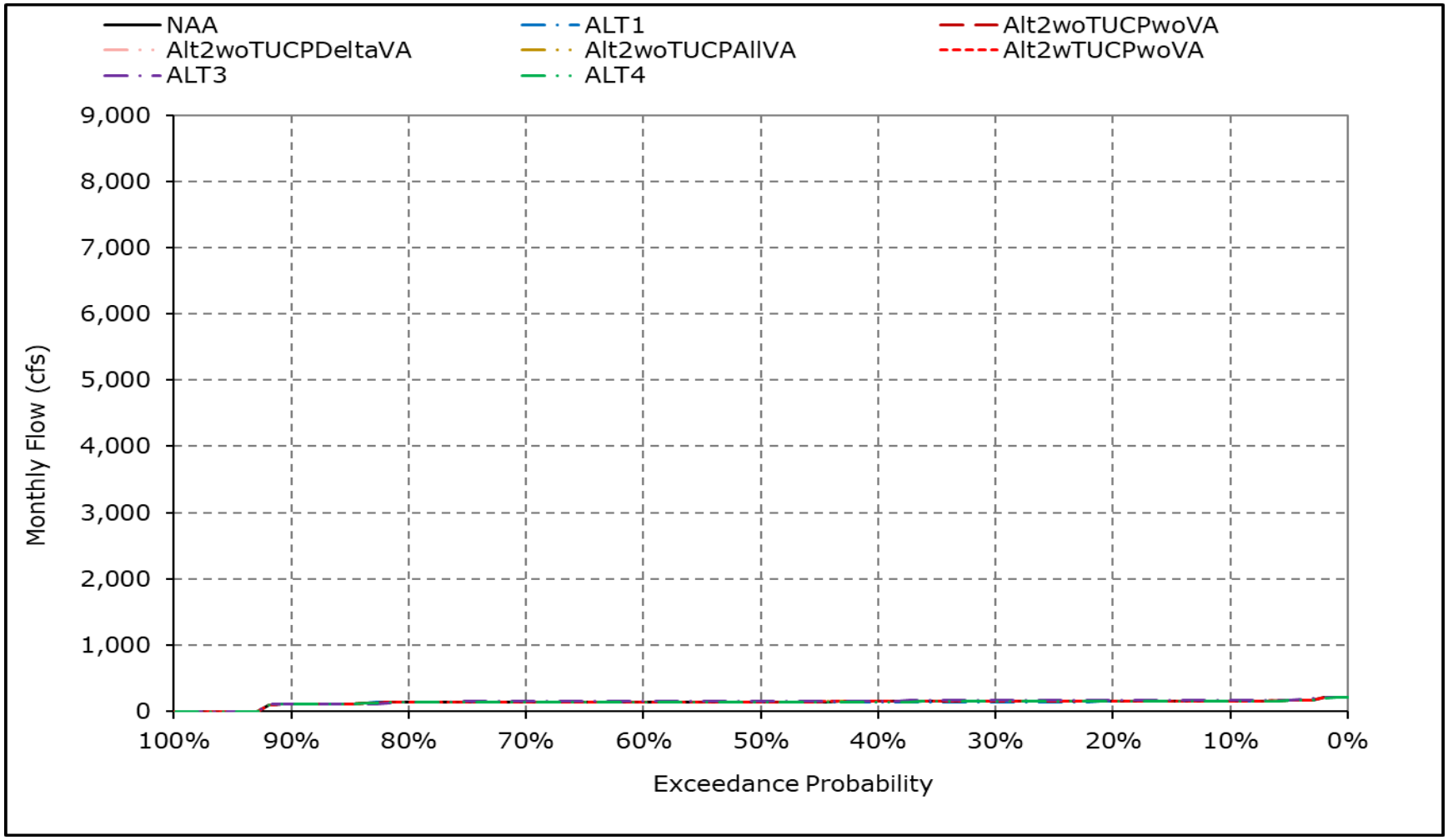
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-5. San Joaquin River Flow at Gravelly Ford, Dry Year Average Flow



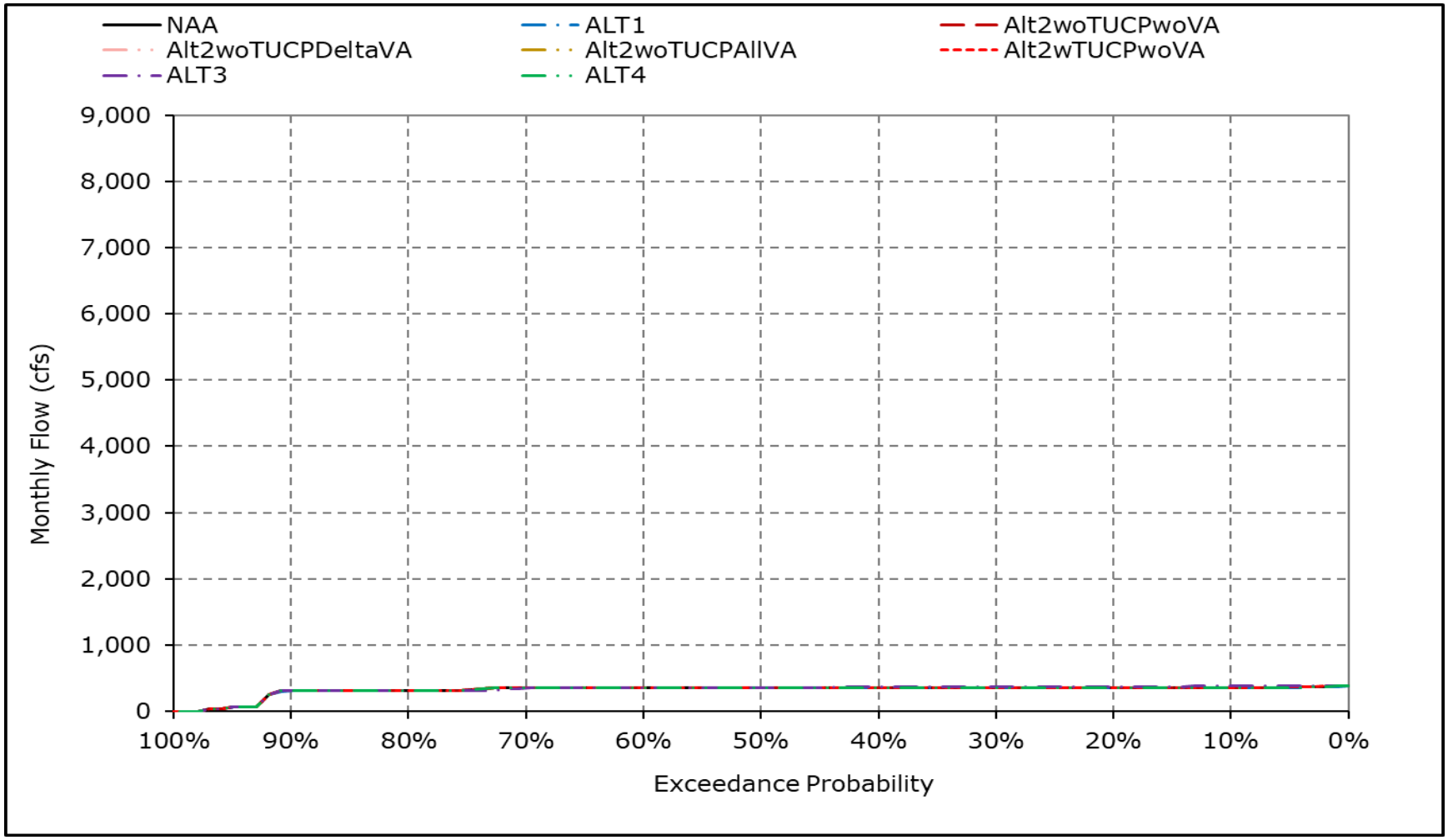
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-6. San Joaquin River Flow at Gravelly Ford, Critical Year Average Flow



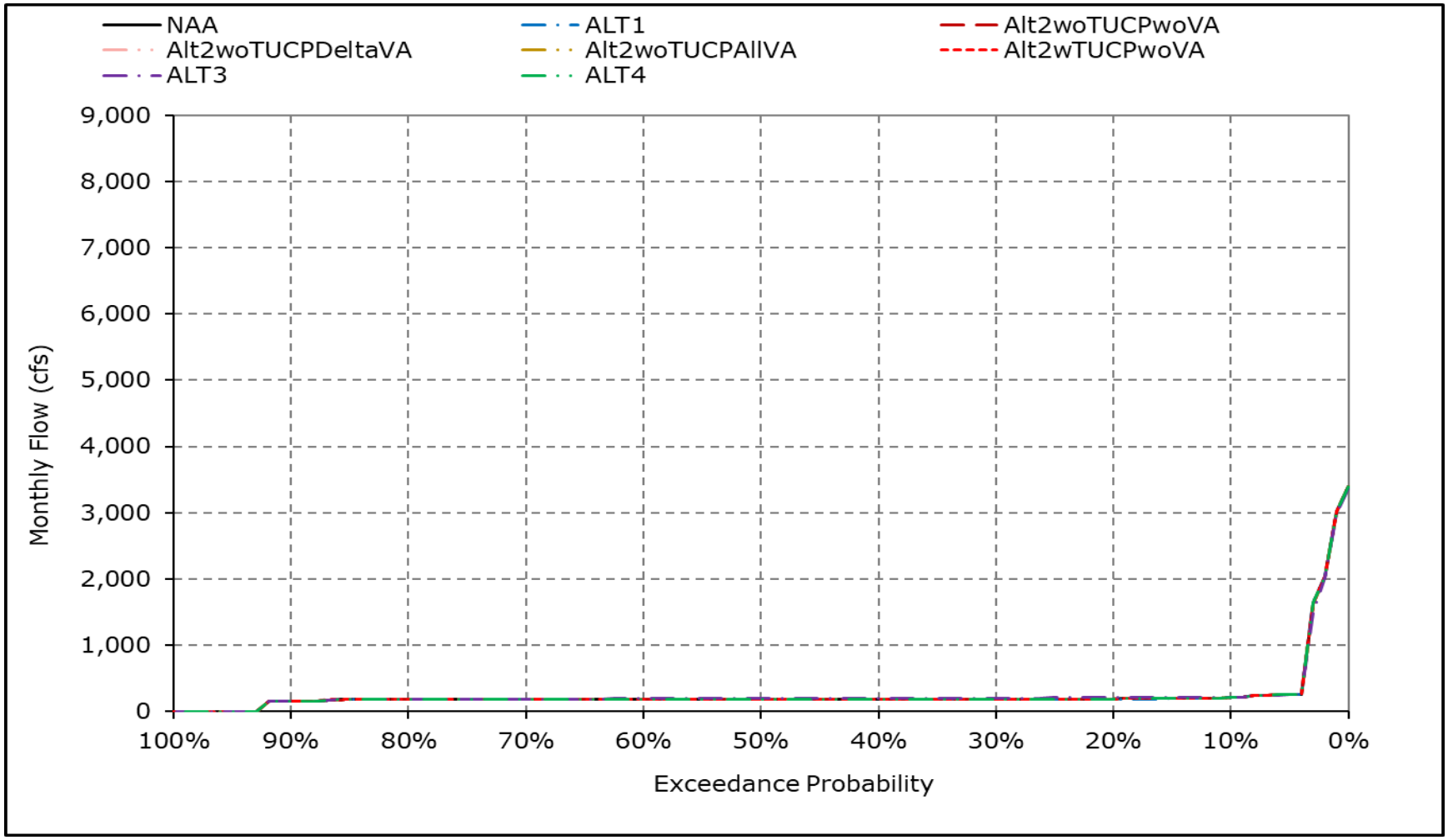
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-7. San Joaquin River Flow at Gravelly Ford, October



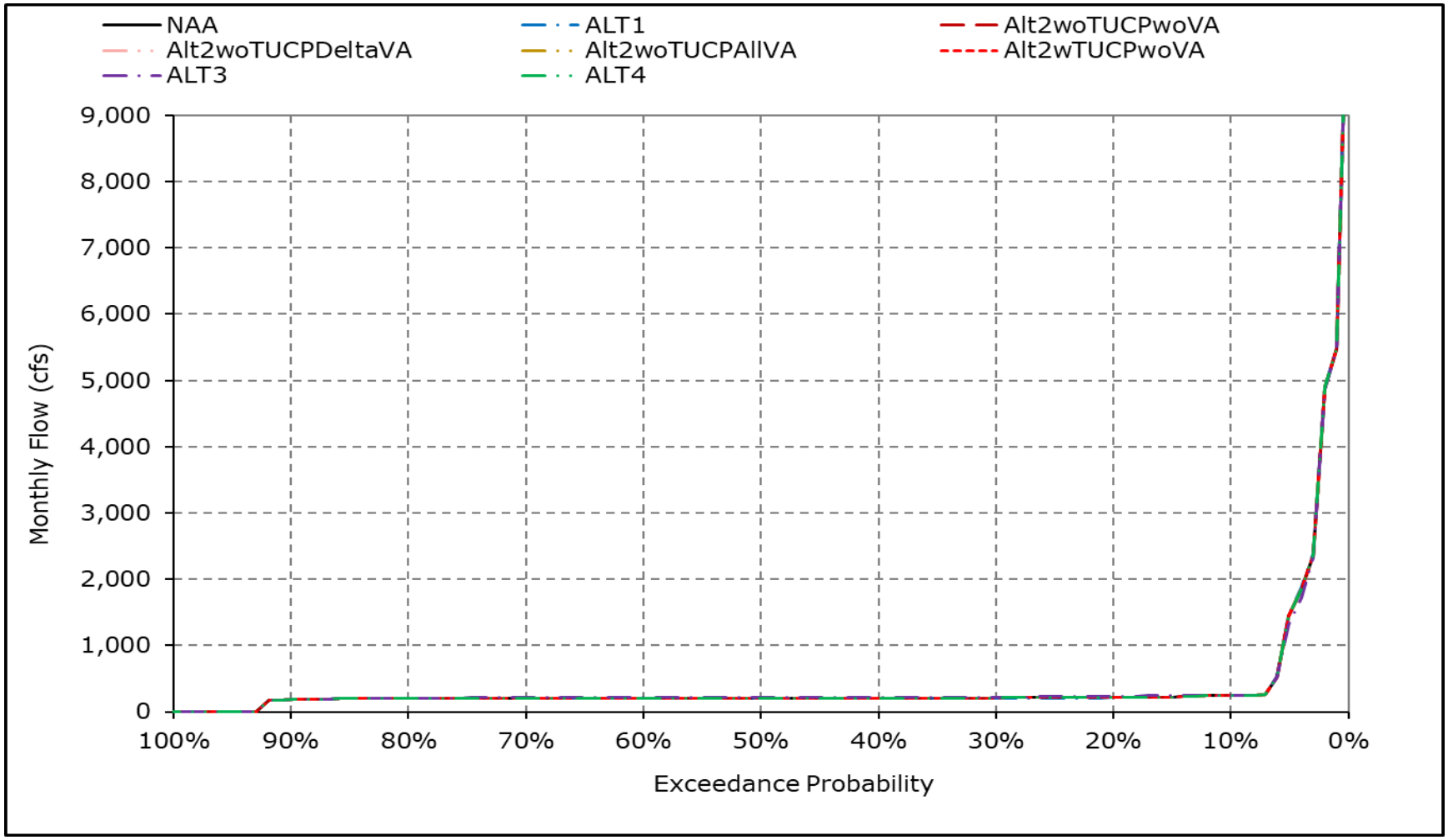
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-8. San Joaquin River Flow at Gravelly Ford, November



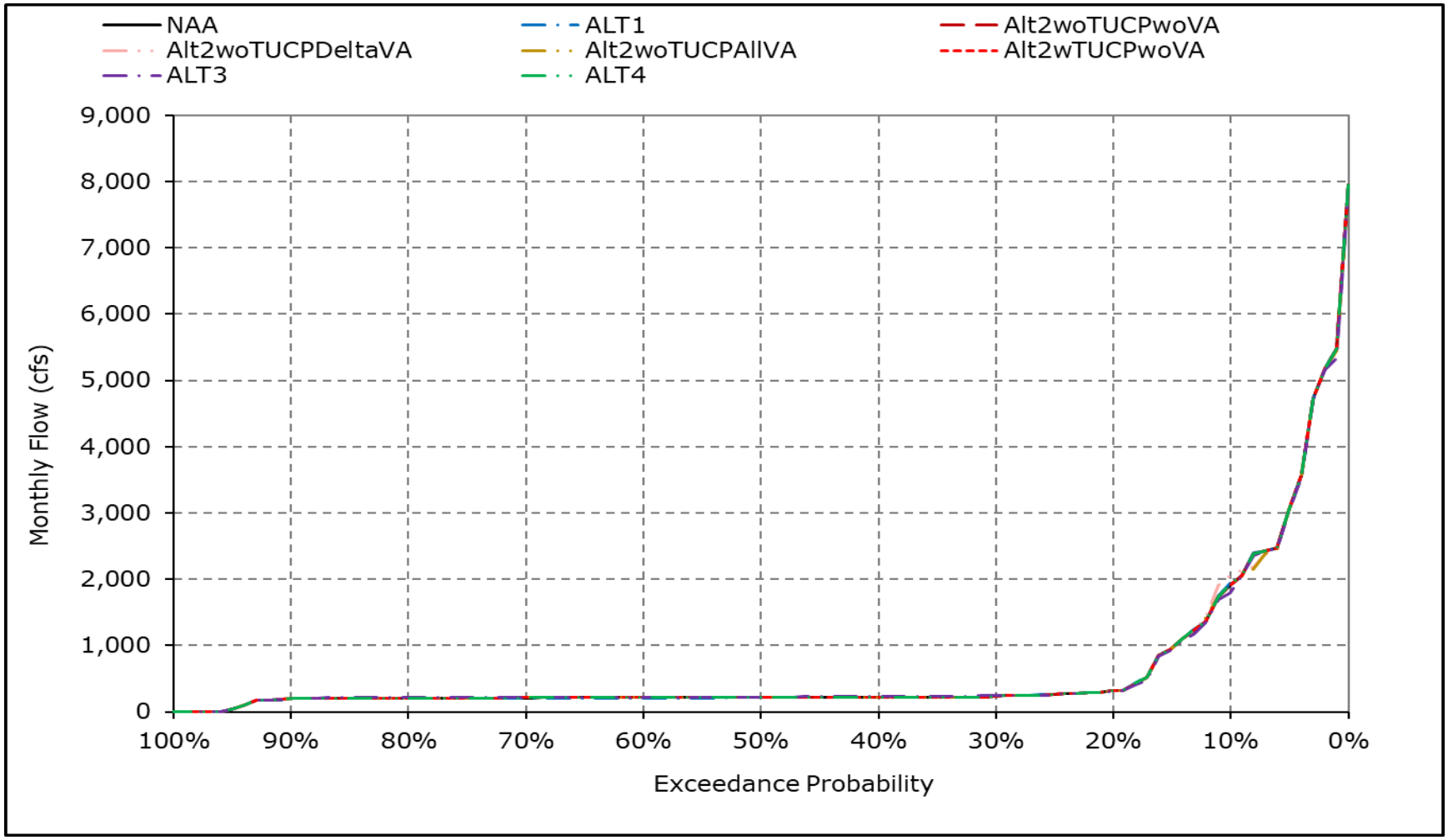
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-9. San Joaquin River Flow at Gravelly Ford, December



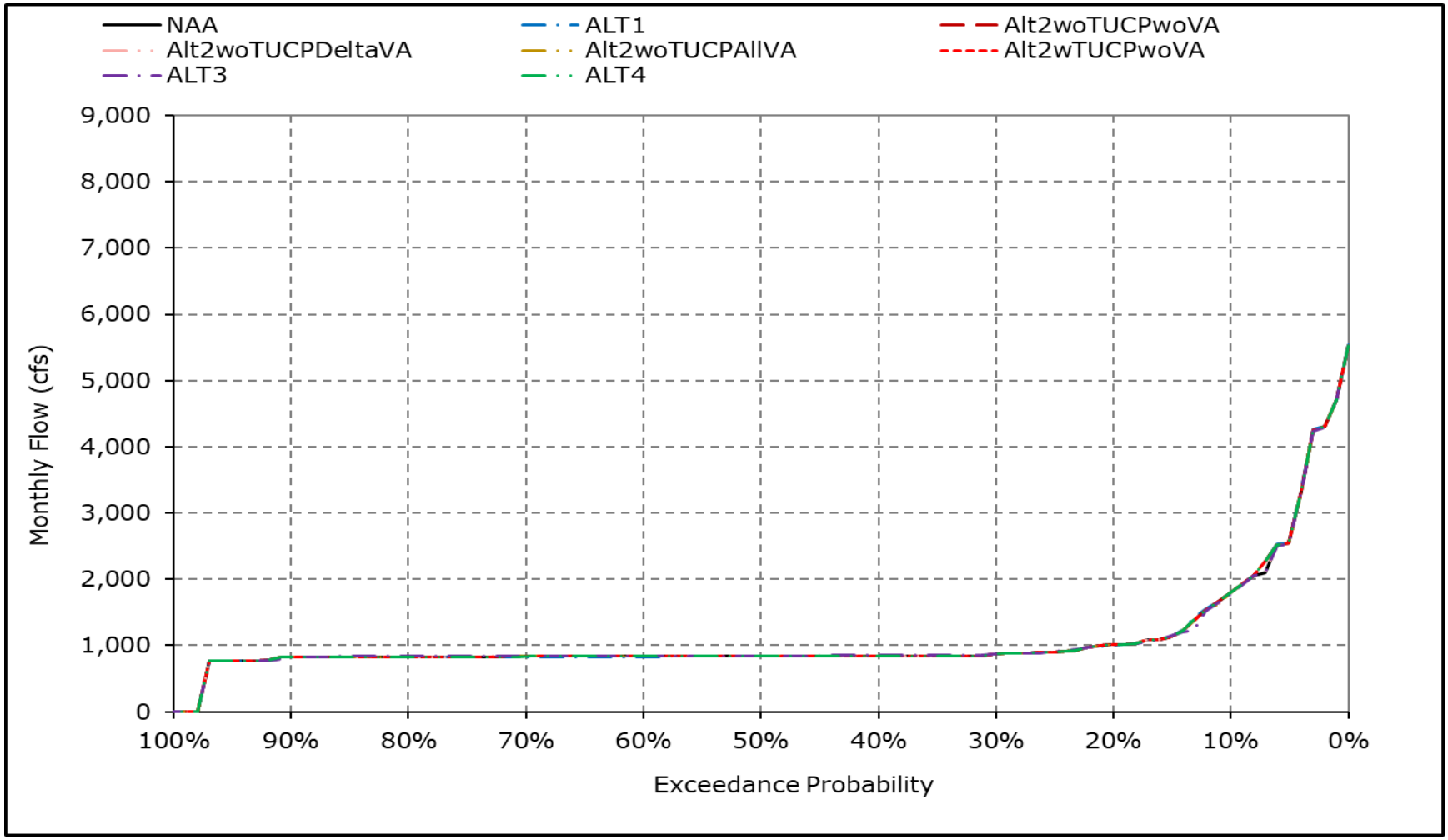
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-10. San Joaquin River Flow at Gravelly Ford, January



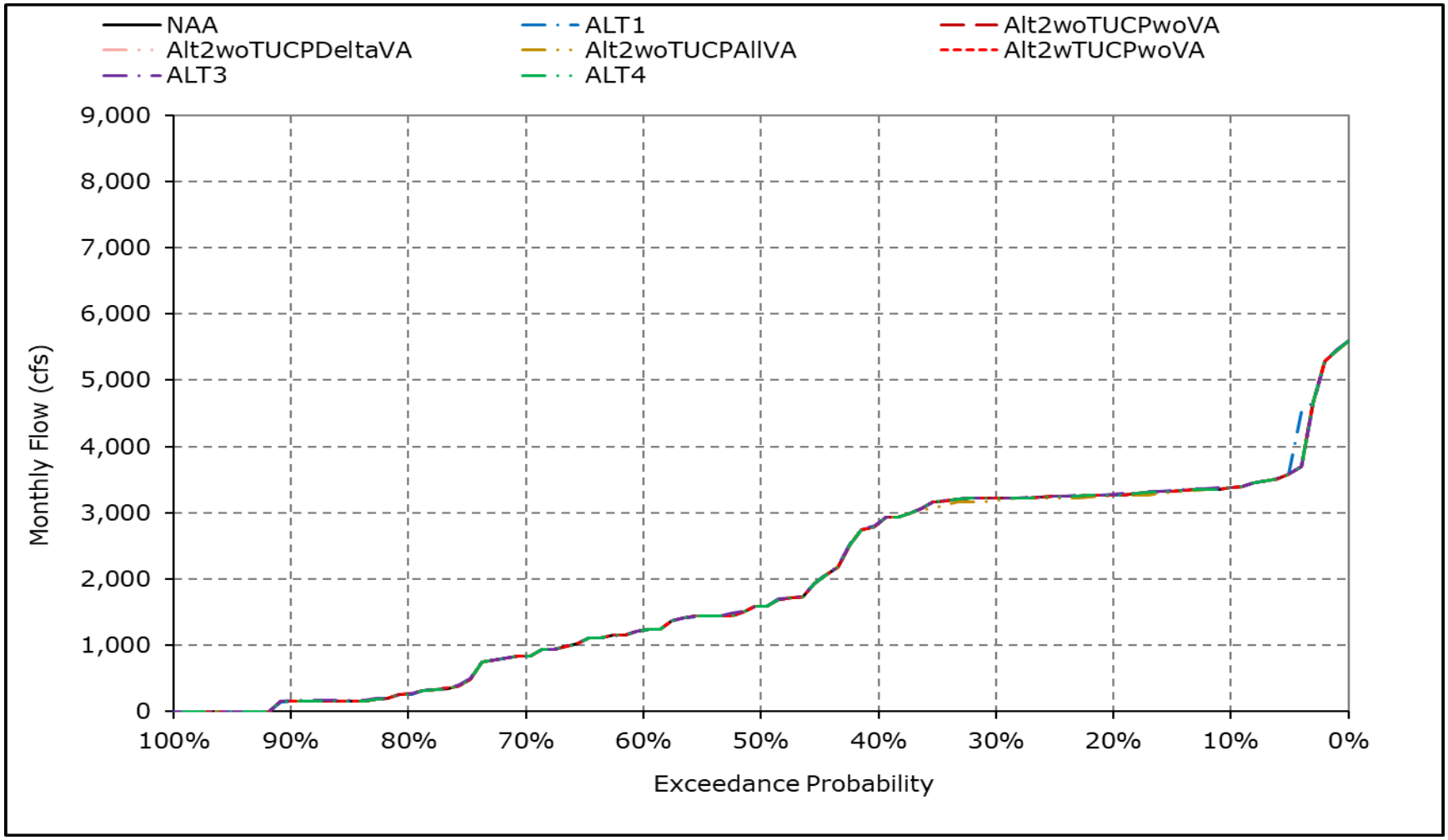
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-11. San Joaquin River Flow at Gravelly Ford, February



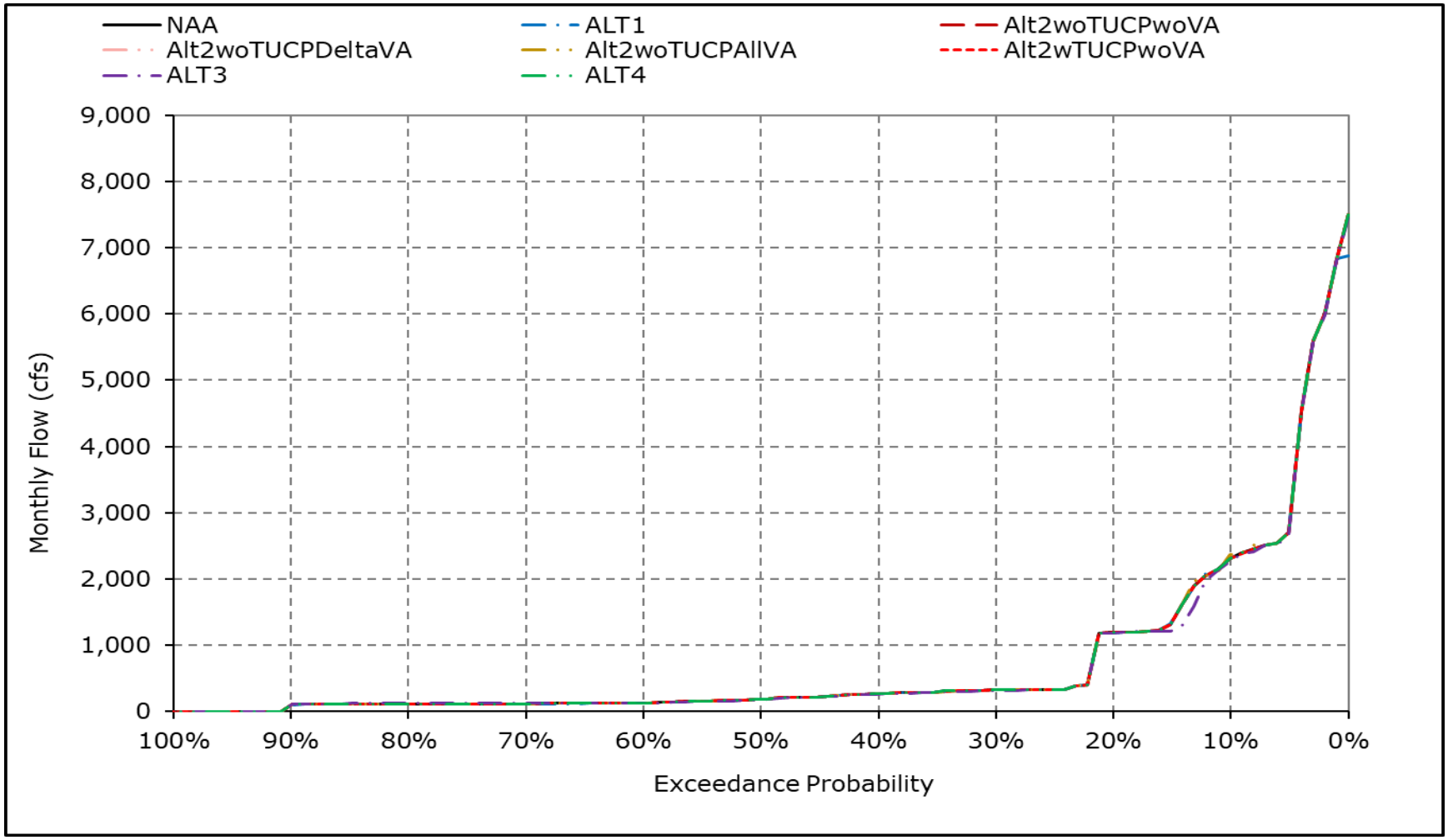
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-12. San Joaquin River Flow at Gravelly Ford, March



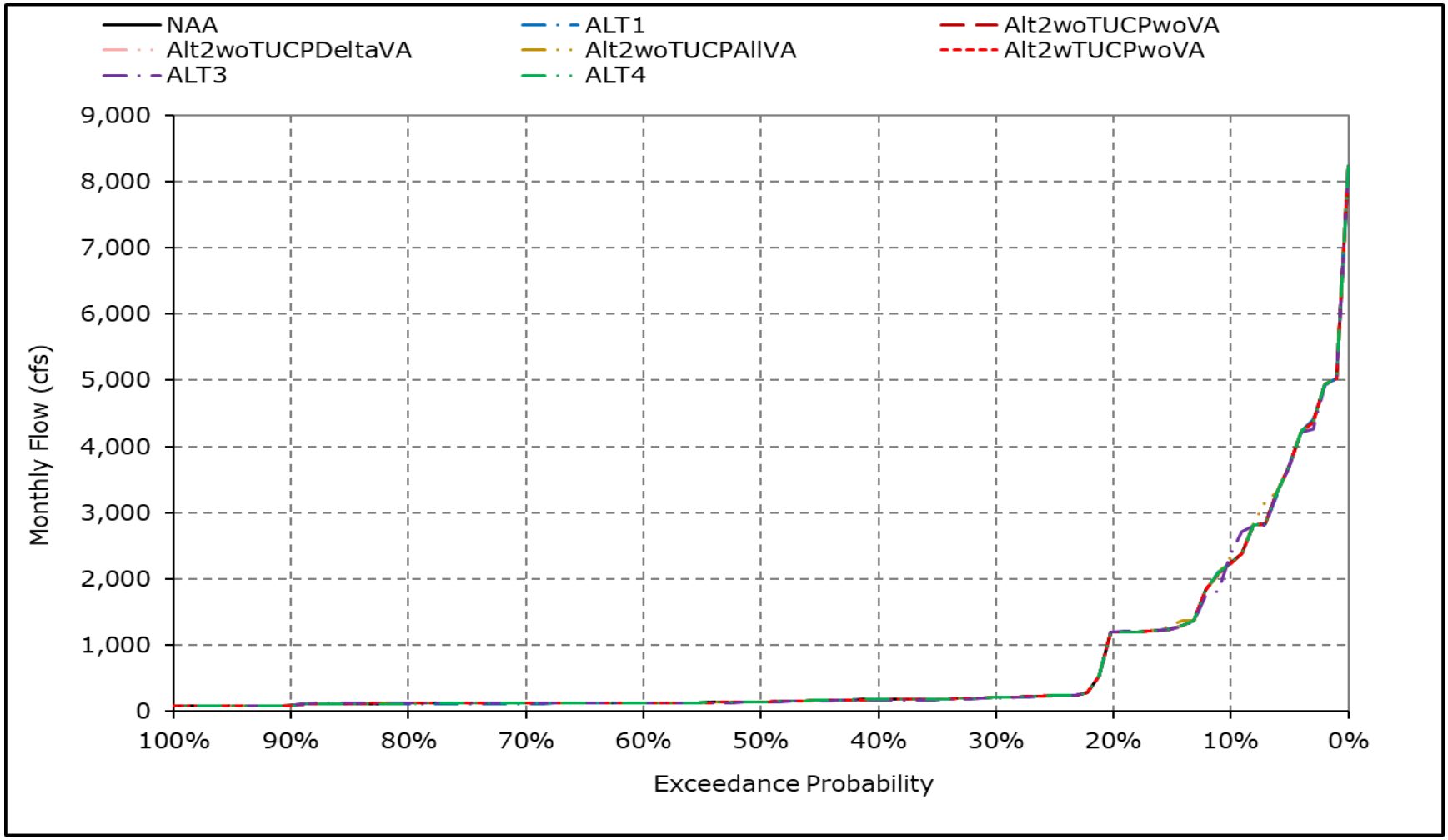
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-13. San Joaquin River Flow at Gravelly Ford, April



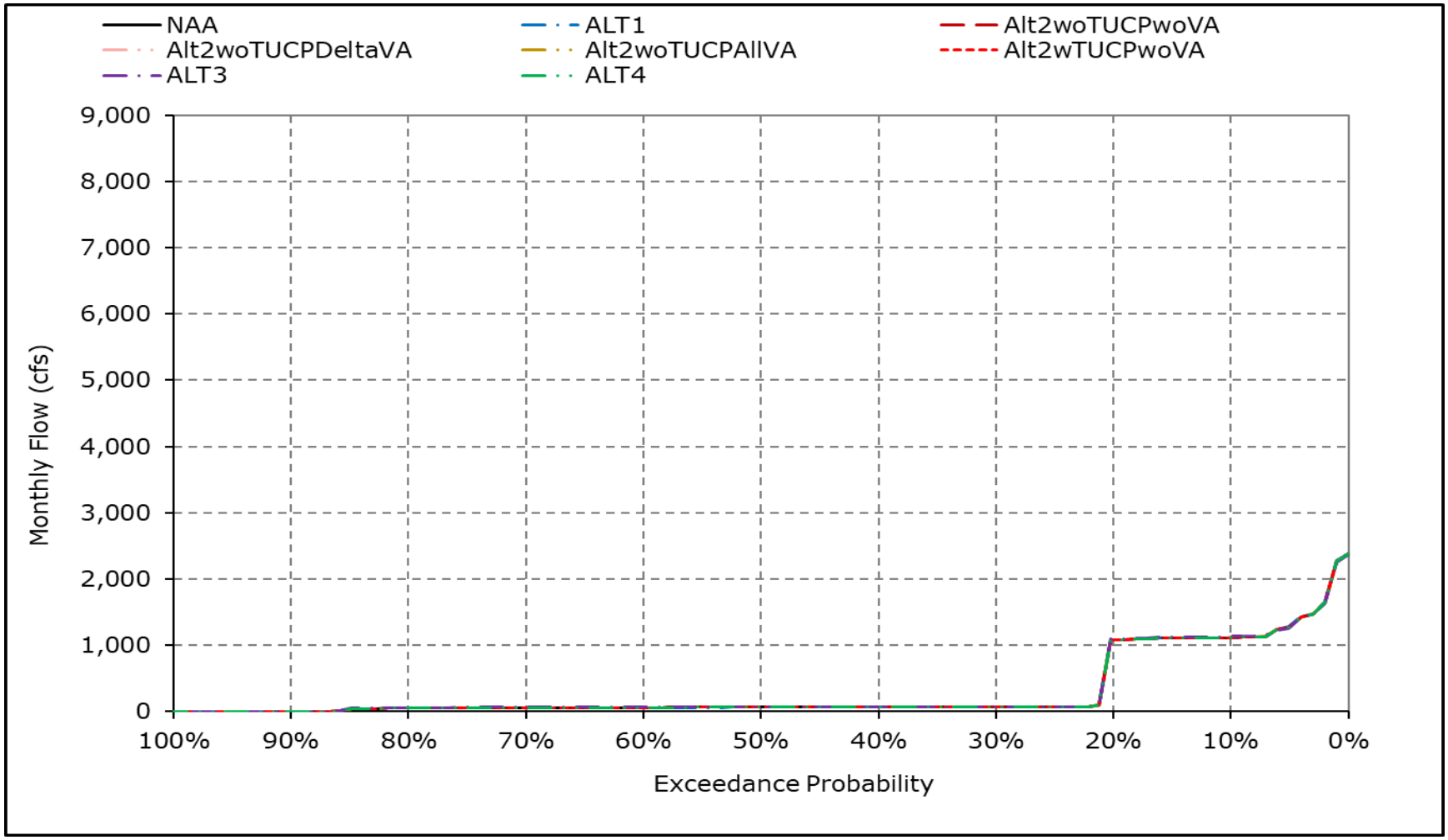
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-14. San Joaquin River Flow at Gravelly Ford, May



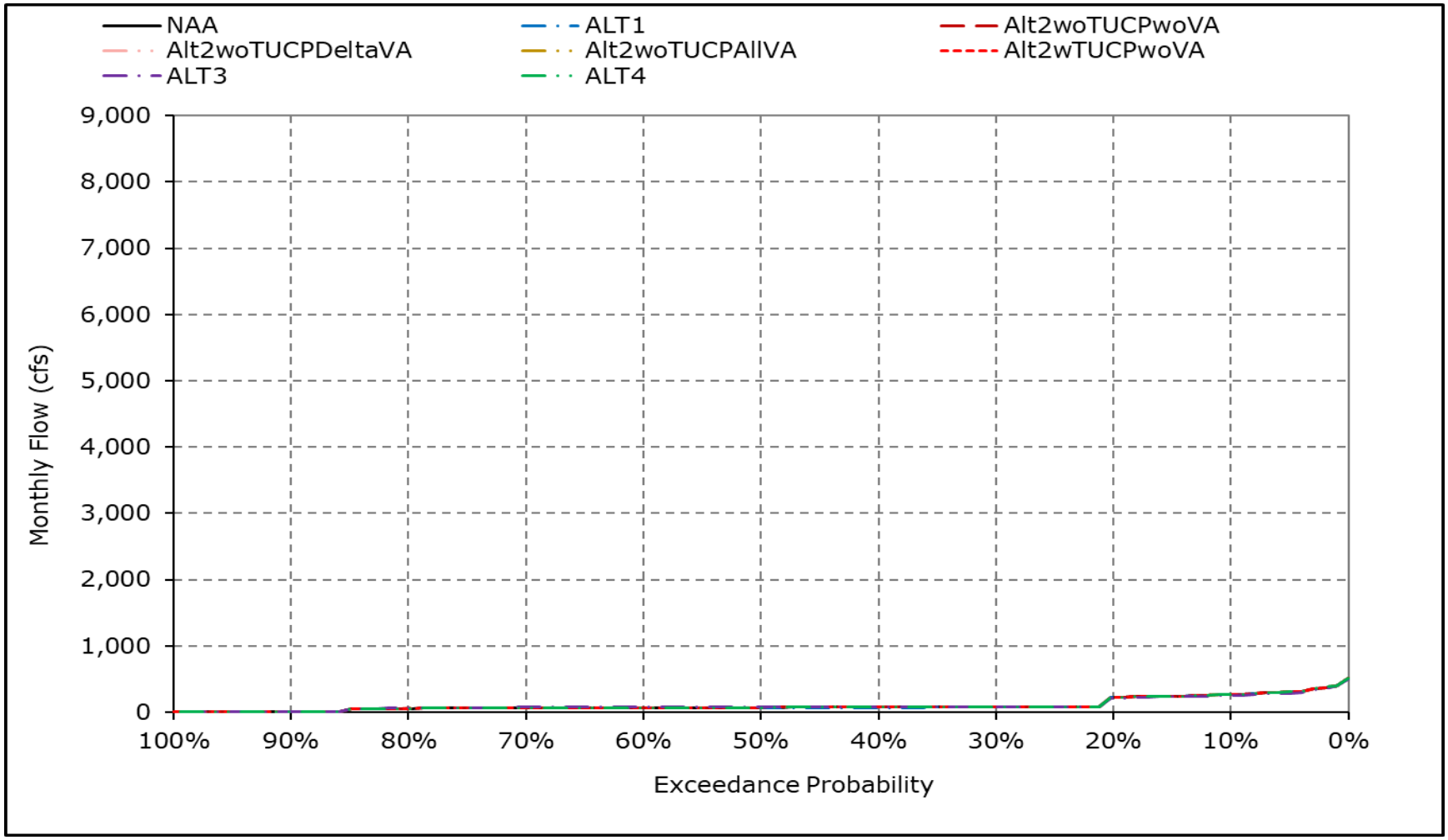
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-15. San Joaquin River Flow at Gravelly Ford, June



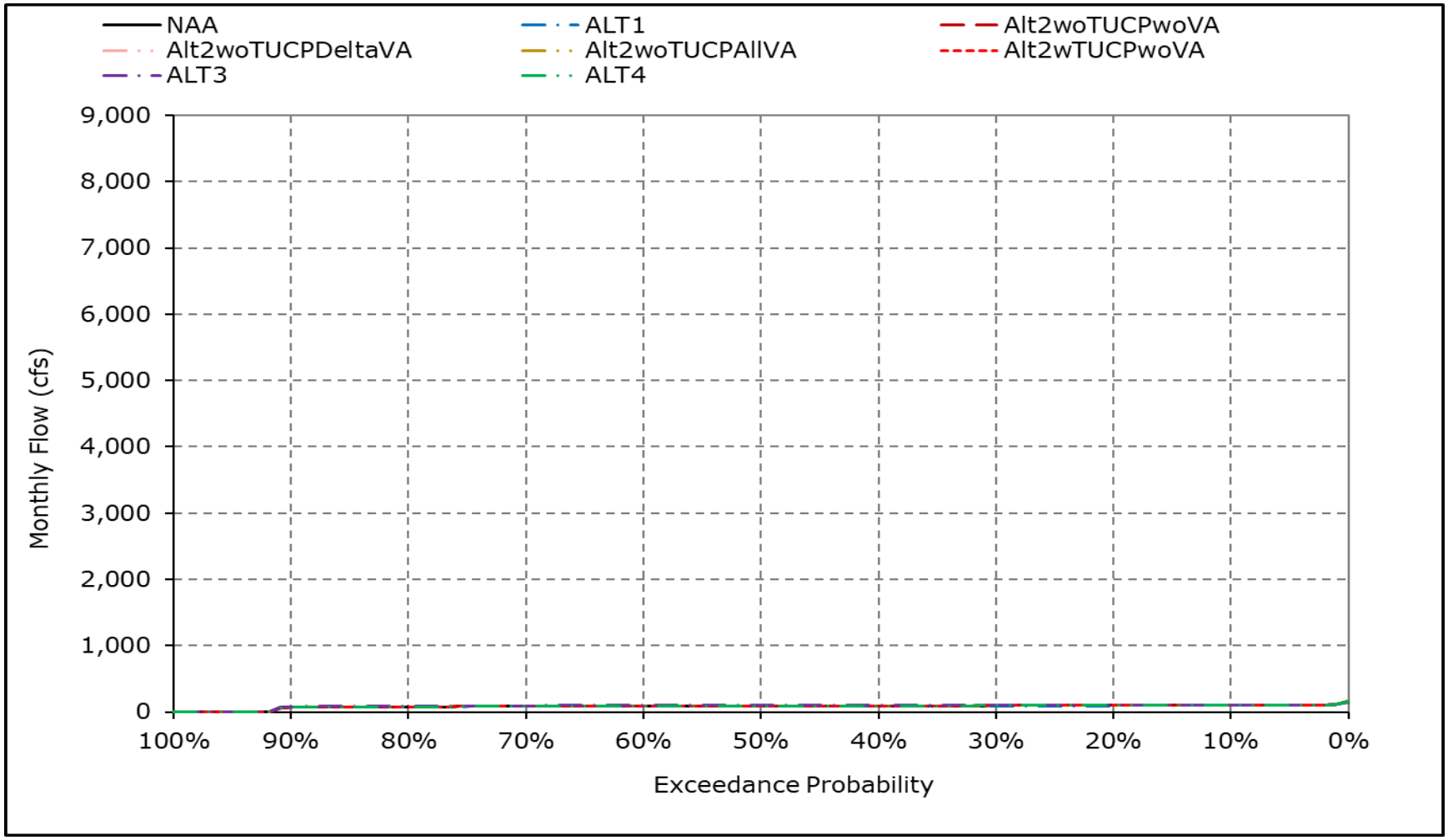
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-16. San Joaquin River Flow at Gravelly Ford, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-17. San Joaquin River Flow at Gravelly Ford, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-18. San Joaquin River Flow at Gravelly Ford, September

Table F.2.2-17-1a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-1b. San Joaquin River Flow below Sack Dam, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,258	1,550	4,476	2,194	1,847	1,057	45	65
20% Exceedance	115	313	155	175	175	884	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	111	313	249	349	467	1,047	1,972	649	521	280	38	59
Wet Water Years (22%)	129	418	498	880	1,428	1,977	4,366	2,633	2,111	1,142	45	65
Above Normal Water Years (12%)	115	313	300	357	379	1,025	2,974	189	85	45	45	65
Below Normal Water Years (15%)	115	313	160	203	171	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-1c. San Joaquin River Flow below Sack Dam, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	1	22	45	31	34	31	0	0	0
20% Exceedance	0	0	0	0	0	14	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	1	2	4	6	11	4	4	1	0	0
Wet Water Years (22%)	1	2	2	8	17	13	48	19	16	4	0	0
Above Normal Water Years (12%)	0	0	6	2	2	27	0	-2	0	0	0	0
Below Normal Water Years (15%)	0	0	0	1	2	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-2a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-2b. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,247	1,515	4,363	2,157	1,808	1,057	45	65
20% Exceedance	115	313	155	175	175	867	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	466	1,041	1,956	642	517	279	38	59
Wet Water Years (22%)	128	416	496	872	1,407	1,957	4,297	2,600	2,093	1,138	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,012	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	153	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-2c. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	11	10	-82	-3	-9	0	0	0
20% Exceedance	0	0	0	0	0	-2	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	3	0	-5	-3	0	0	0	0
Wet Water Years (22%)	0	0	0	0	-4	-7	-21	-13	-2	0	0	0
Above Normal Water Years (12%)	0	0	0	0	21	14	0	1	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	7	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	1	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-3a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-3b. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,246	1,514	4,365	2,164	1,812	1,057	45	65
20% Exceedance	115	313	155	175	175	868	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	466	1,040	1,956	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,409	1,956	4,297	2,612	2,097	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	397	1,000	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-3c. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	11	8	-80	4	-4	0	0	0
20% Exceedance	0	0	0	0	0	-1	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	3	-1	-5	0	0	0	0	0
Wet Water Years (22%)	0	0	0	0	-2	-7	-21	-1	2	0	0	0
Above Normal Water Years (12%)	0	0	0	0	20	2	0	1	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	7	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-4a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-4b. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,247	1,517	4,365	2,165	1,809	1,057	45	65
20% Exceedance	115	313	155	175	175	868	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	468	1,041	1,957	644	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,415	1,957	4,297	2,607	2,098	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	397	1,012	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-4c. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	12	12	-80	5	-8	0	0	0
20% Exceedance	0	0	0	0	0	-1	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	4	0	-5	-1	1	0	0	0
Wet Water Years (22%)	0	0	0	-1	4	-6	-21	-6	3	0	0	0
Above Normal Water Years (12%)	0	0	0	0	21	14	0	1	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	7	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-5a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-5b. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,247	1,514	4,362	2,156	1,808	1,057	45	65
20% Exceedance	115	313	155	175	175	867	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	466	1,041	1,956	642	517	279	38	59
Wet Water Years (22%)	128	416	496	872	1,407	1,956	4,297	2,600	2,093	1,138	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,012	2,974	190	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	153	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-5c. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	11	9	-82	-4	-9	0	0	0
20% Exceedance	0	0	0	0	0	-2	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	3	0	-5	-3	0	0	0	0
Wet Water Years (22%)	0	0	0	0	-4	-7	-22	-13	-2	0	0	0
Above Normal Water Years (12%)	0	0	0	0	20	14	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	7	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	1	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-6a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-6b. San Joaquin River Flow below Sack Dam, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	179	1,232	1,470	4,046	1,931	1,369	1,057	45	65
20% Exceedance	115	313	155	175	175	855	3,098	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,461	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	987	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	222	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	111	311	247	342	457	1,026	1,931	616	503	277	38	59
Wet Water Years (22%)	129	410	495	857	1,379	1,892	4,175	2,477	2,028	1,132	45	65
Above Normal Water Years (12%)	115	313	283	347	393	1,004	2,974	193	85	45	45	65
Below Normal Water Years (15%)	115	313	158	198	163	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	160	154	154	768	1,074	85	84	42	42	65
Critical Water Years (34%)	91	241	154	165	165	700	321	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-6c. San Joaquin River Flow below Sack Dam, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-1	-4	-36	-398	-229	-448	0	0	0
20% Exceedance	0	0	0	0	0	-15	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	1	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	9	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	9	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	-1	0	-5	-6	-15	-30	-30	-15	-1	0	0
Wet Water Years (22%)	1	-7	-2	-15	-32	-71	-143	-136	-67	-6	0	0
Above Normal Water Years (12%)	0	0	-11	-8	17	6	0	2	0	0	0	0
Below Normal Water Years (15%)	0	0	-1	-5	-6	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	4	0	0	0	4	0	0	0	0	0
Critical Water Years (34%)	0	0	2	0	0	0	3	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-7a. San Joaquin River Flow below Sack Dam, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,235	1,505	4,445	2,160	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	869	3,113	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	110	312	248	347	463	1,041	1,961	645	518	279	38	59
Wet Water Years (22%)	128	416	496	872	1,411	1,963	4,318	2,613	2,095	1,138	45	65
Above Normal Water Years (12%)	115	313	294	355	377	998	2,974	191	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	169	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-7b. San Joaquin River Flow below Sack Dam, Alternative 4, Monthly Flow (cfs)

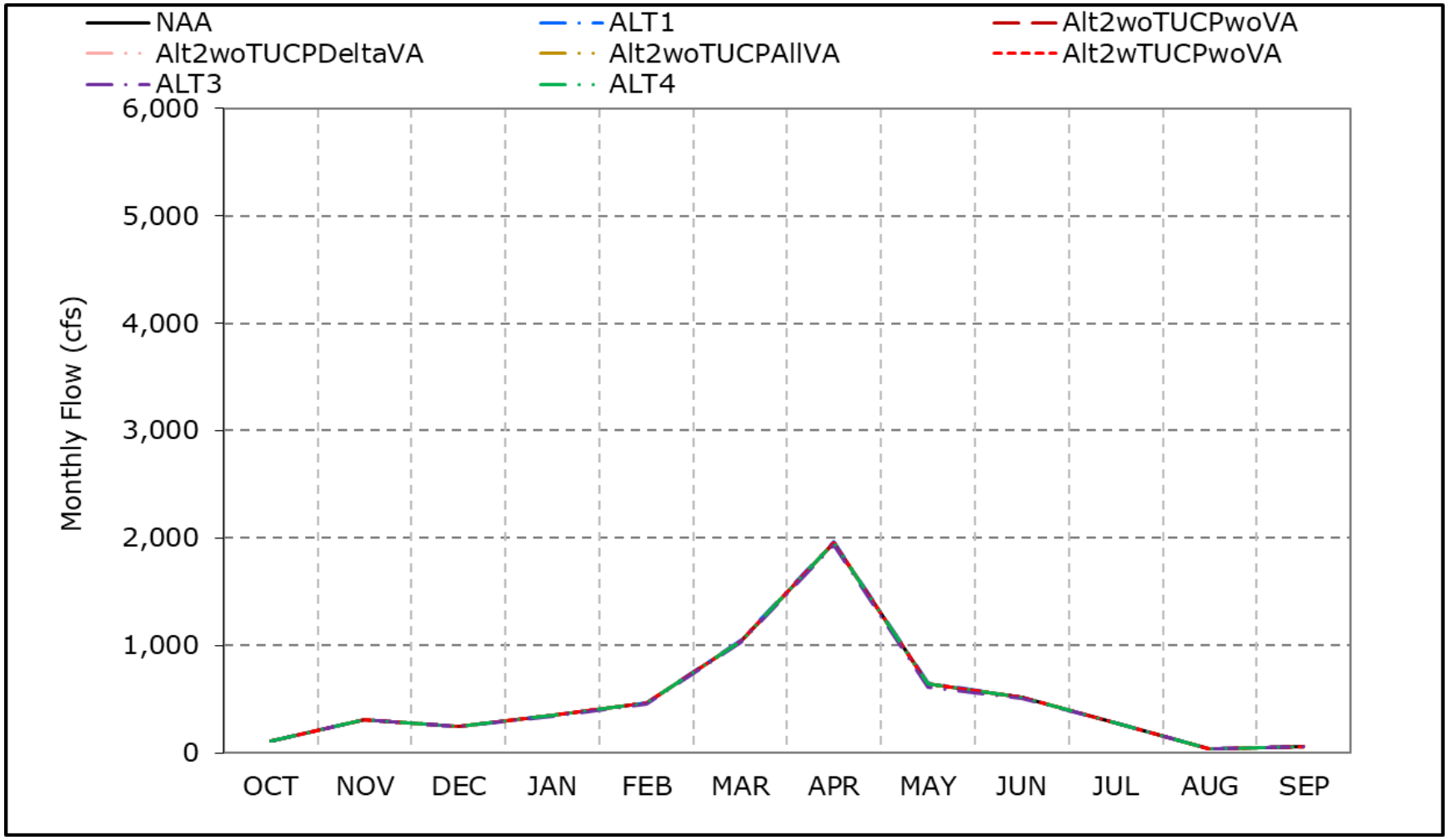
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,254	1,525	4,371	2,162	1,817	1,057	45	65
20% Exceedance	115	313	155	175	175	874	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	85	85	45	45	65
50% Exceedance	115	313	155	175	175	768	1,459	85	85	45	45	65
60% Exceedance	115	313	155	175	175	768	978	85	85	45	45	65
70% Exceedance	115	313	155	175	175	768	719	85	85	45	45	65
80% Exceedance	115	313	155	175	175	768	213	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	111	312	248	348	466	1,041	1,956	643	518	279	38	59
Wet Water Years (22%)	129	417	497	874	1,411	1,956	4,295	2,604	2,098	1,139	45	65
Above Normal Water Years (12%)	115	313	295	355	397	1,013	2,974	188	85	45	45	65
Below Normal Water Years (15%)	115	313	160	203	170	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	153	165	165	700	318	60	58	26	26	48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-17-7c. San Joaquin River Flow below Sack Dam, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

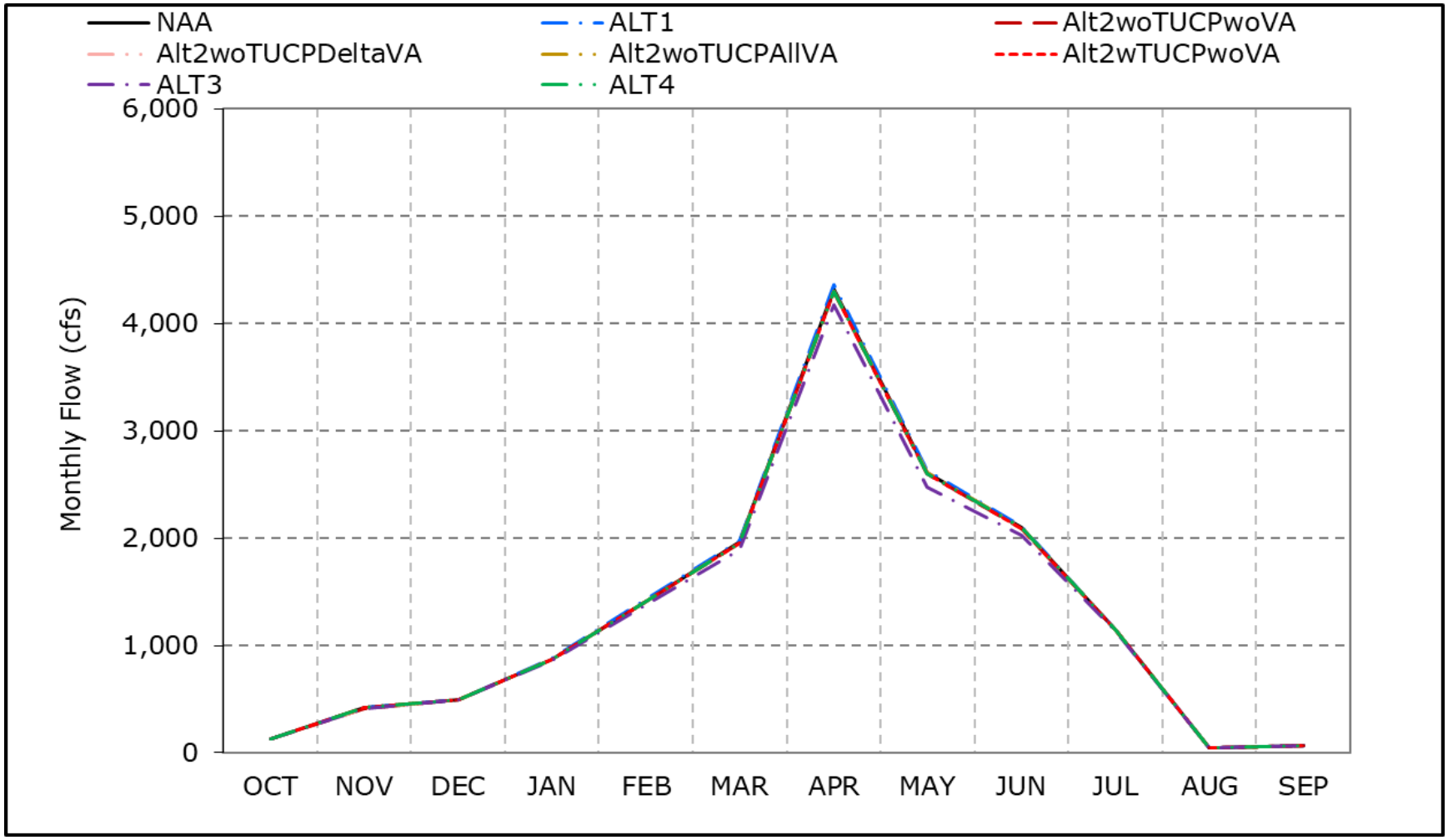
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	18	19	-73	2	1	0	0	0
20% Exceedance	0	0	0	0	0	5	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	1	0	3	0	-5	-2	1	0	0	0
Wet Water Years (22%)	0	0	0	2	0	-8	-23	-9	3	1	0	0
Above Normal Water Years (12%)	0	0	1	0	21	15	0	-3	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (34%)	0	0	1	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



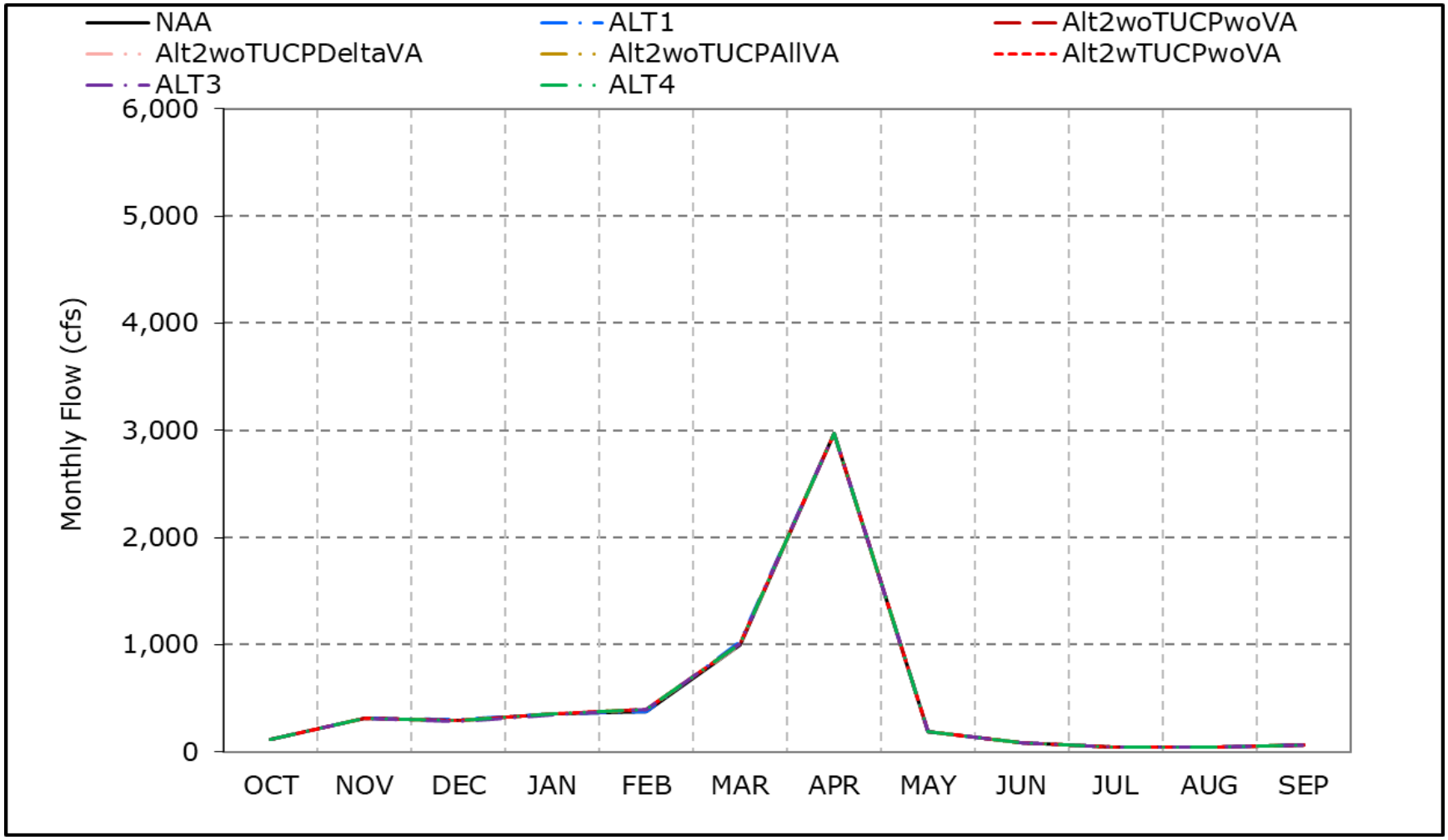
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-1. San Joaquin River Flow below Sack Dam, Long-Term Average Flow



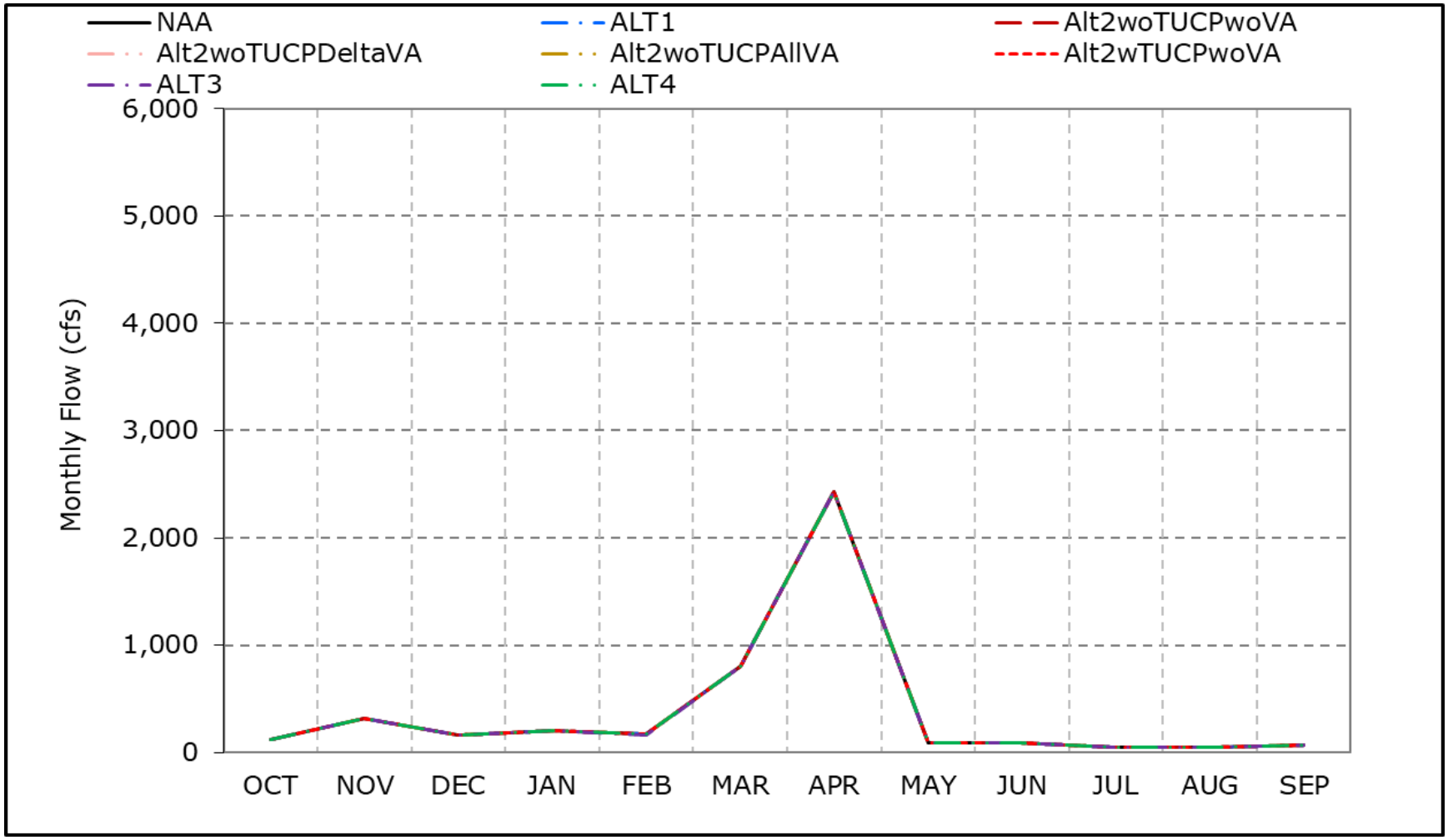
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-2. San Joaquin River Flow below Sack Dam, Wet Year Average Flow



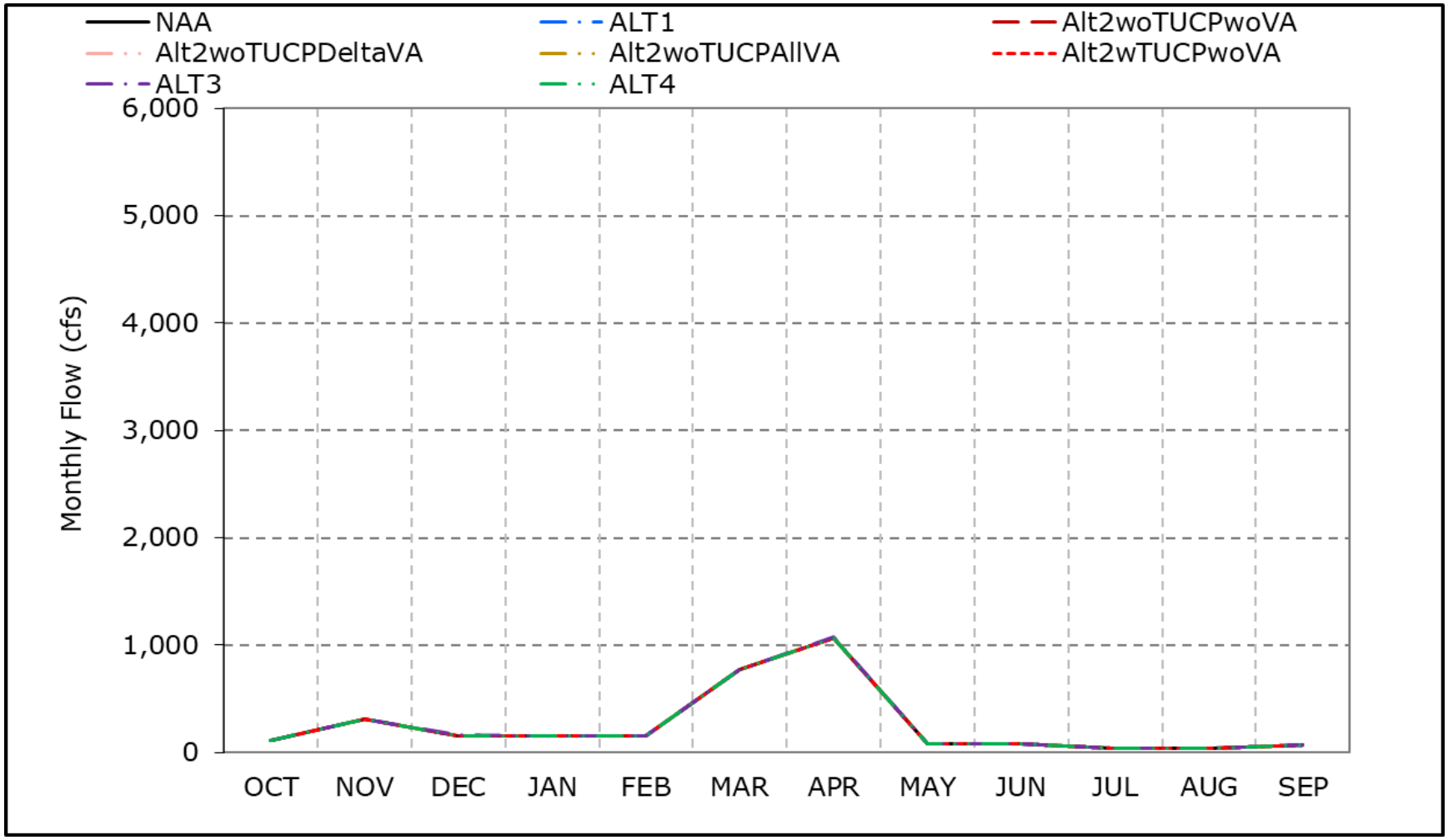
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-3. San Joaquin River Flow below Sack Dam, Above Normal Year Average Flow



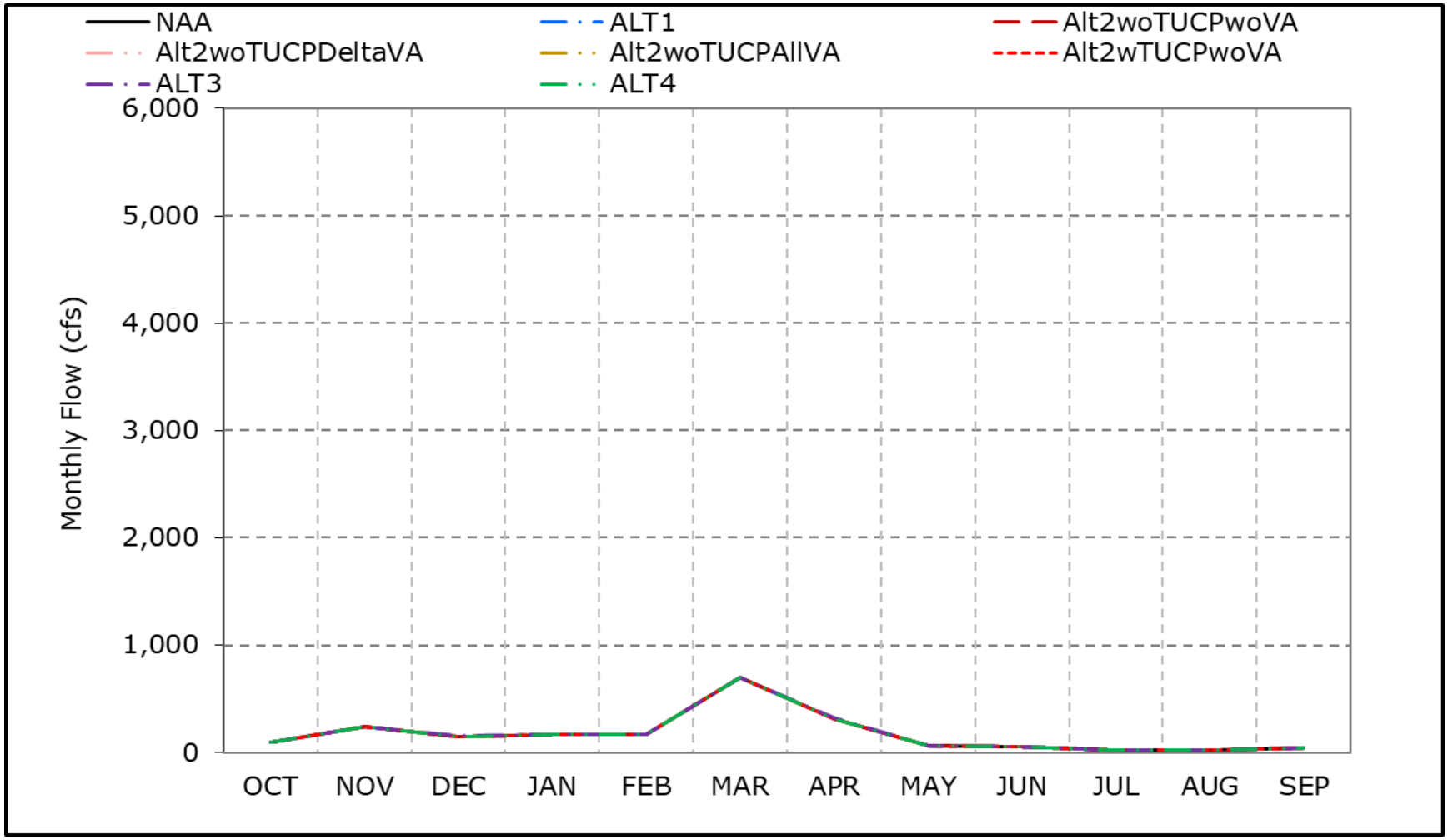
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-4. San Joaquin River Flow below Sack Dam, Below Normal Year Average Flow



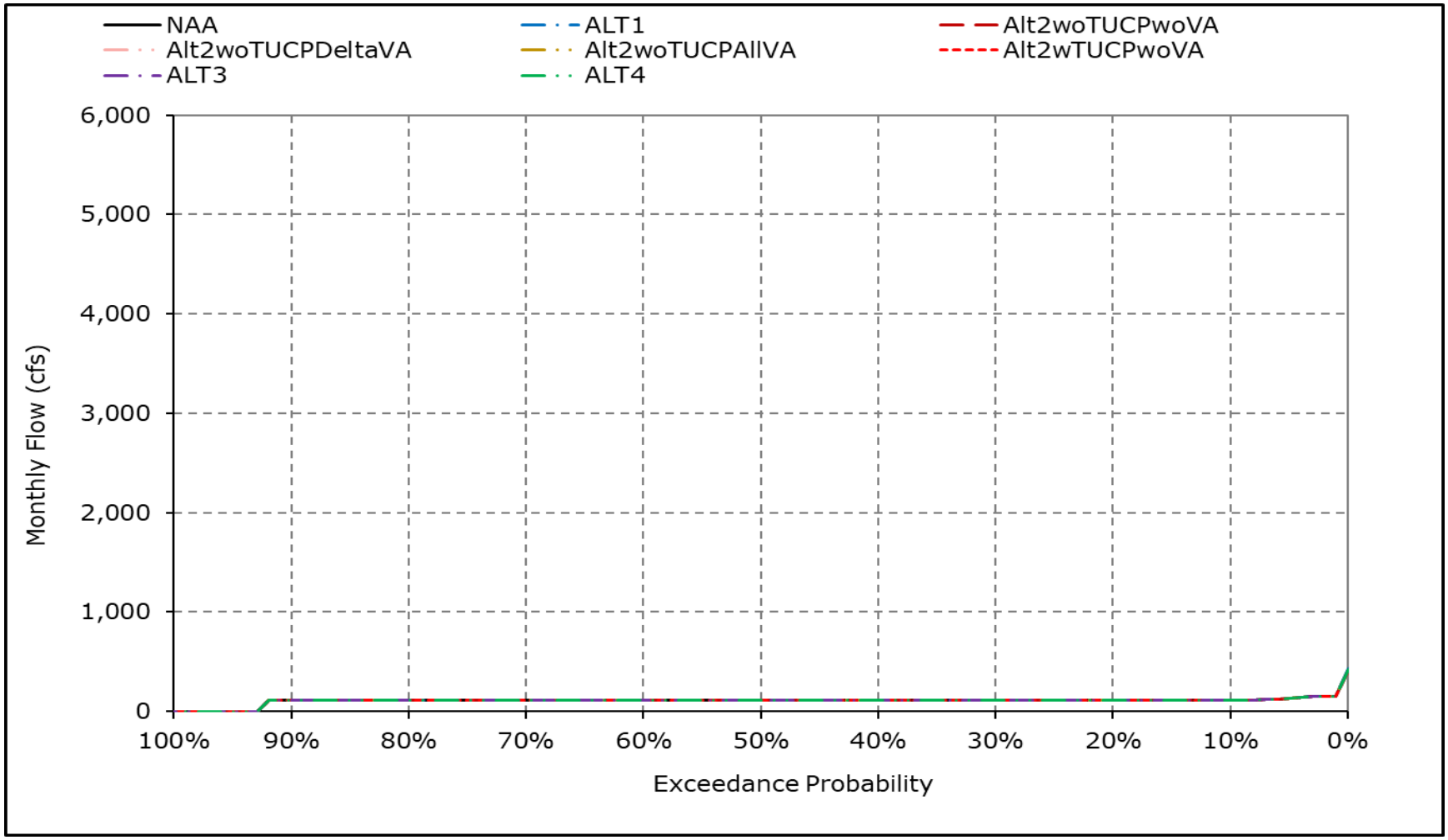
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-5. San Joaquin River Flow below Sack Dam, Dry Year Average Flow



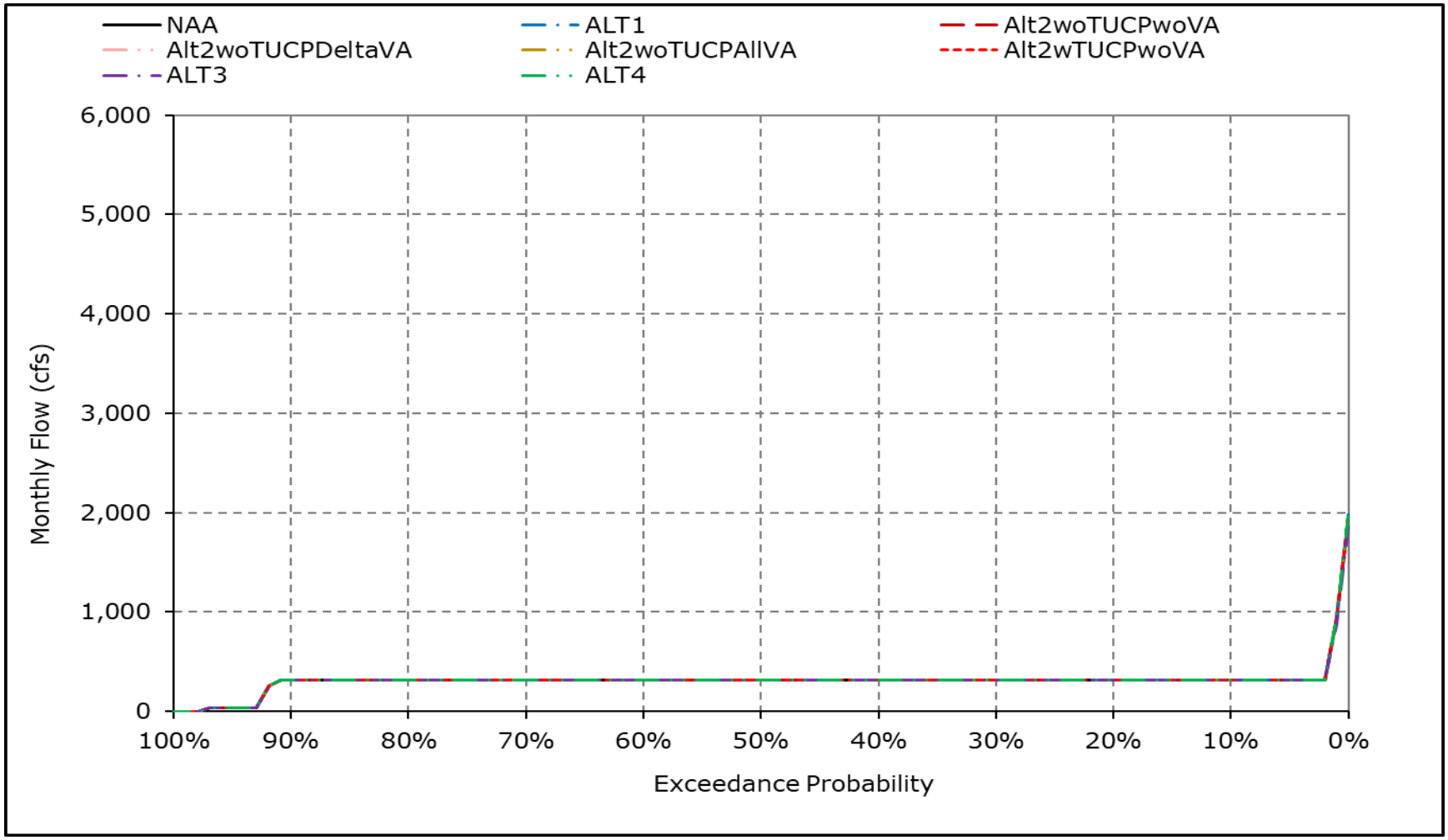
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-6. San Joaquin River Flow below Sack Dam, Critical Year Average Flow



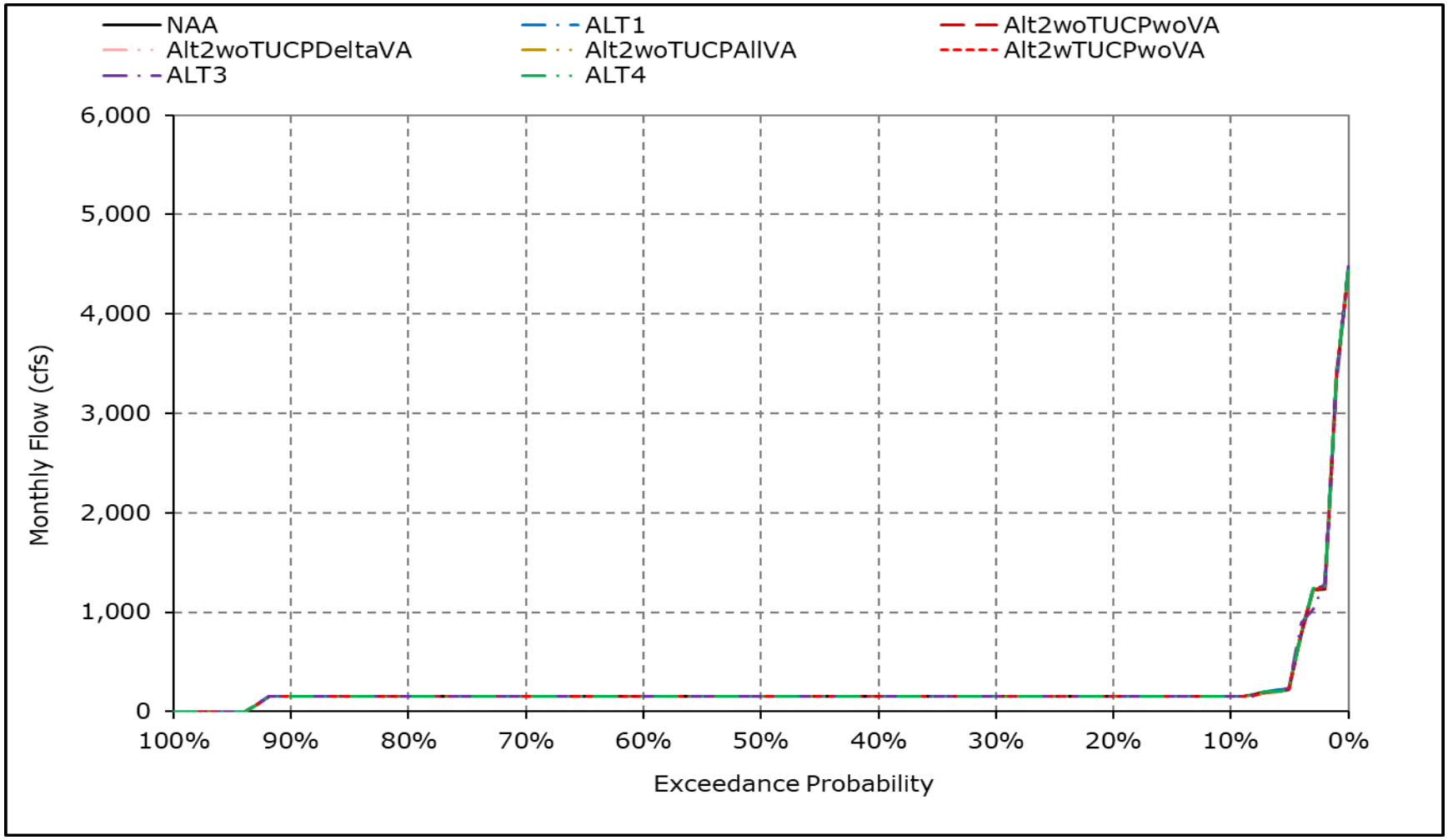
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-7. San Joaquin River Flow below Sack Dam, October



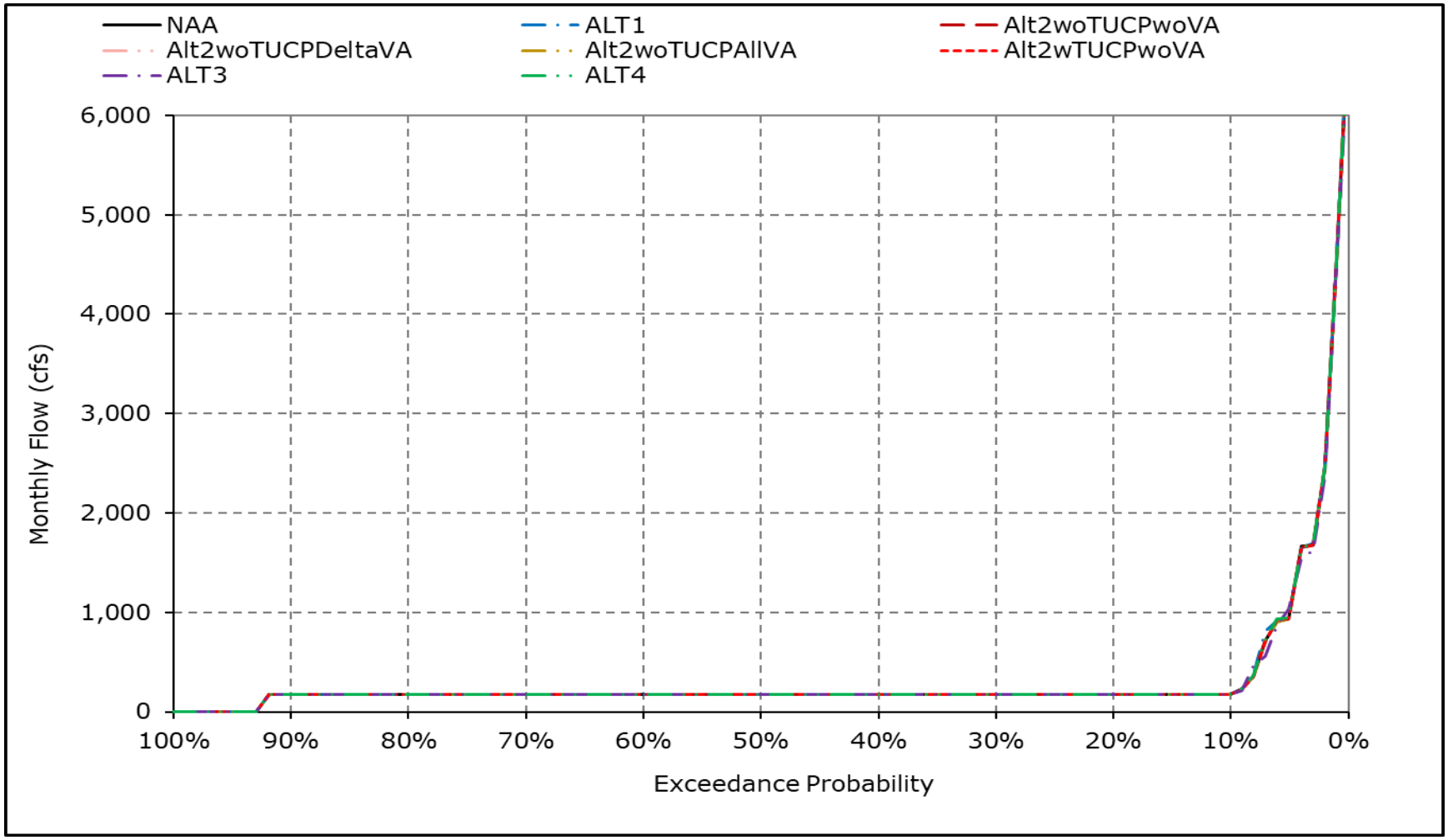
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-8. San Joaquin River Flow below Sack Dam, November



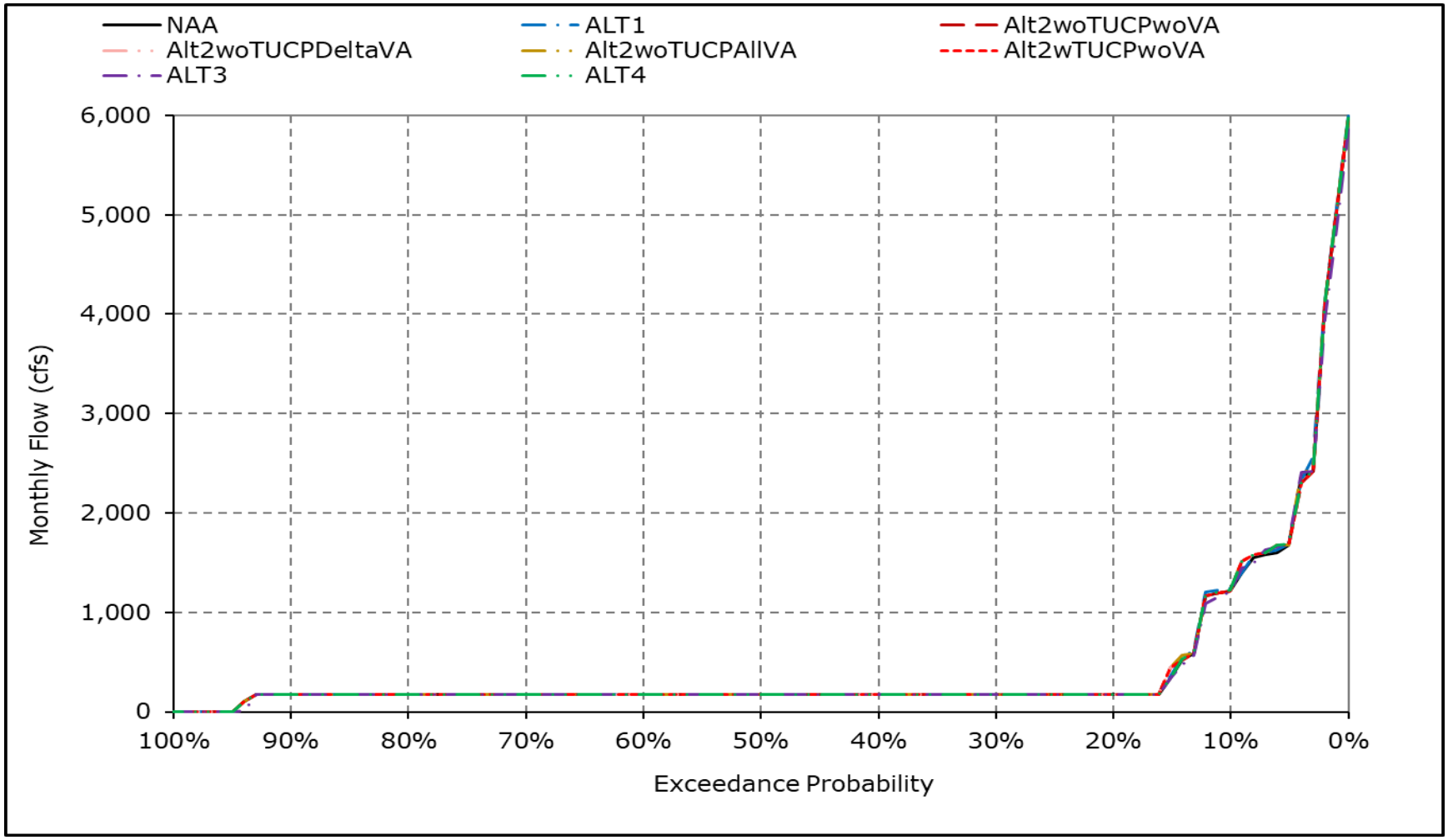
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-9. San Joaquin River Flow below Sack Dam, December



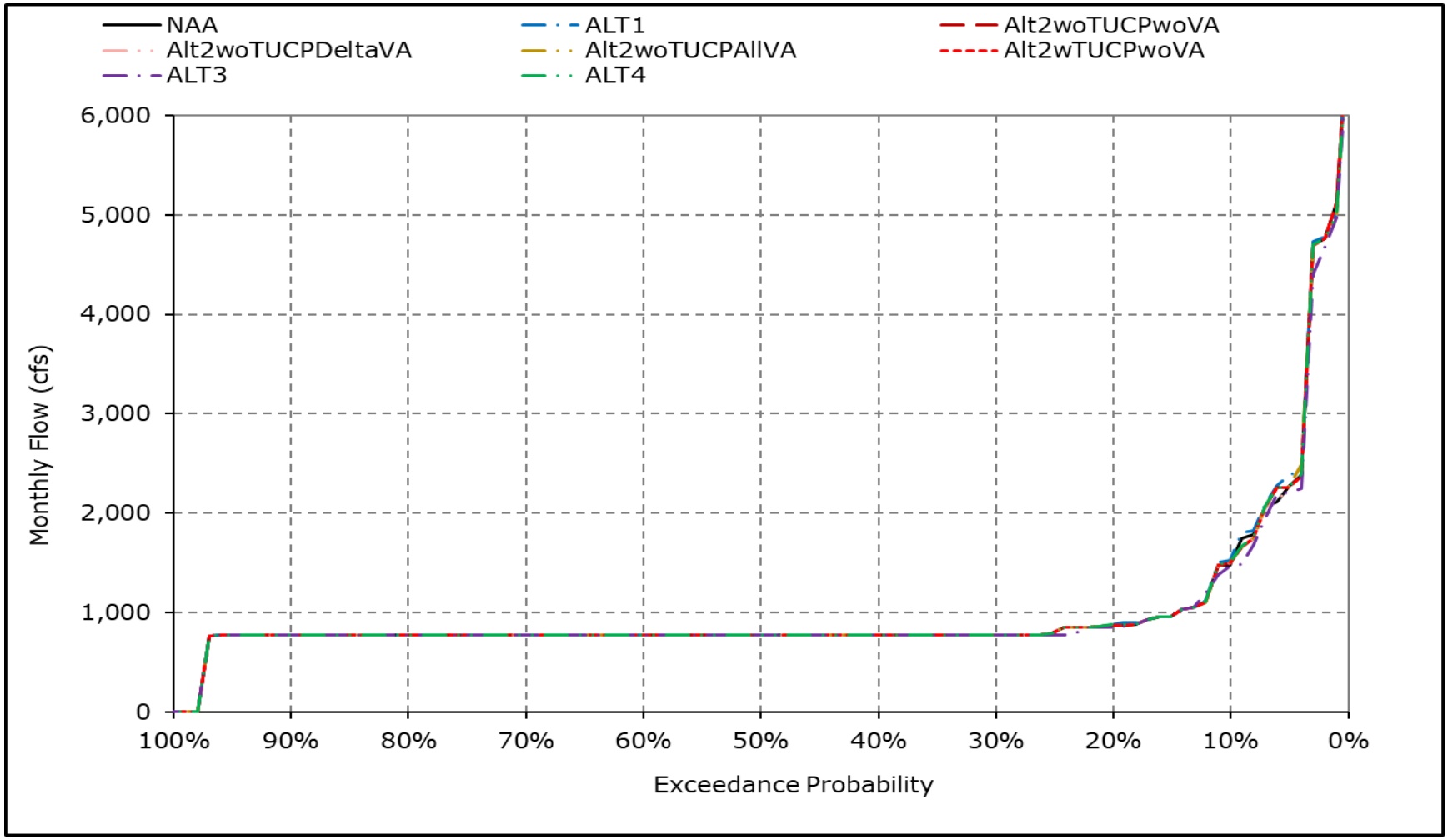
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-10. San Joaquin River Flow below Sack Dam, January



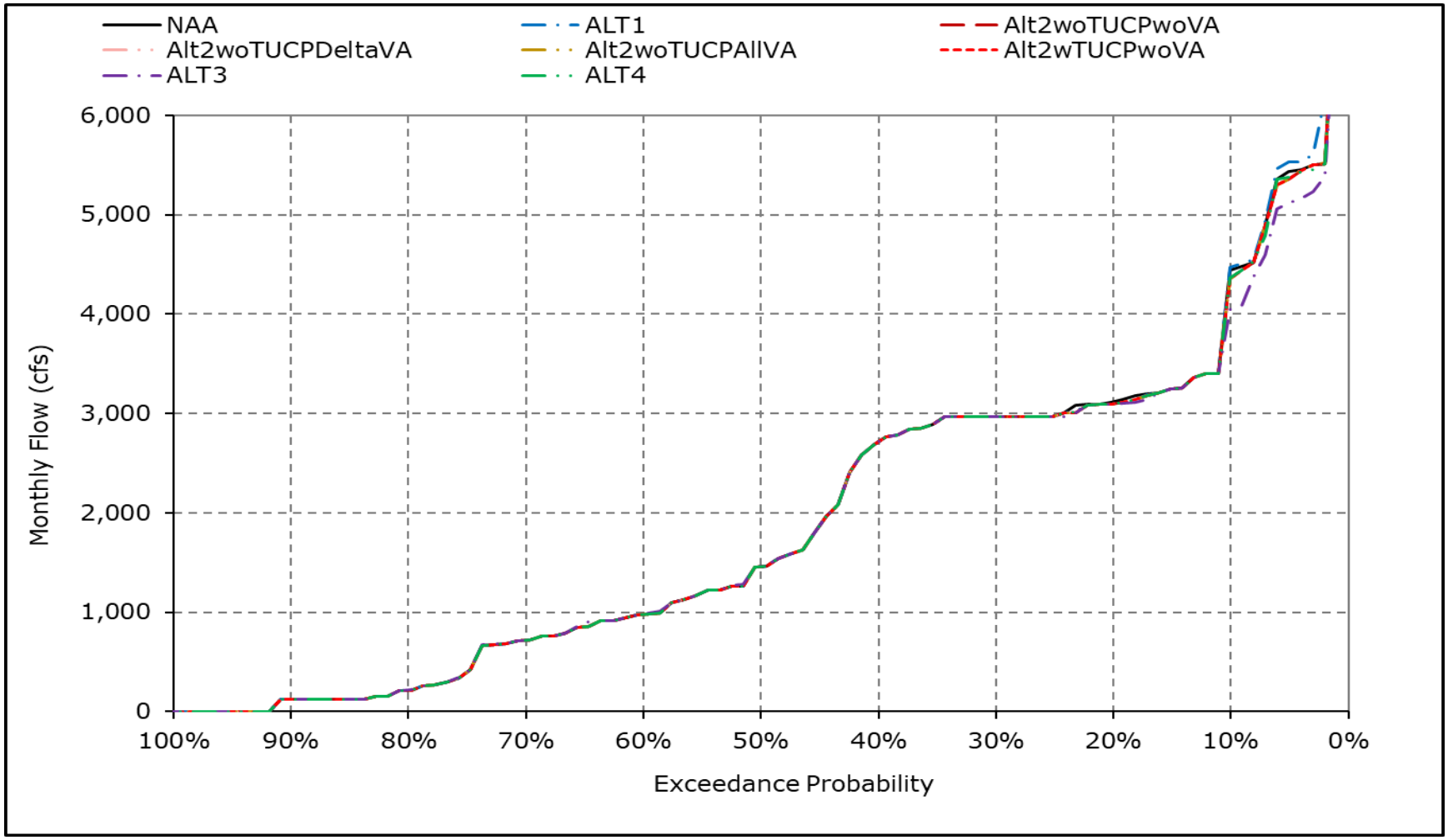
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-11. San Joaquin River Flow below Sack Dam, February



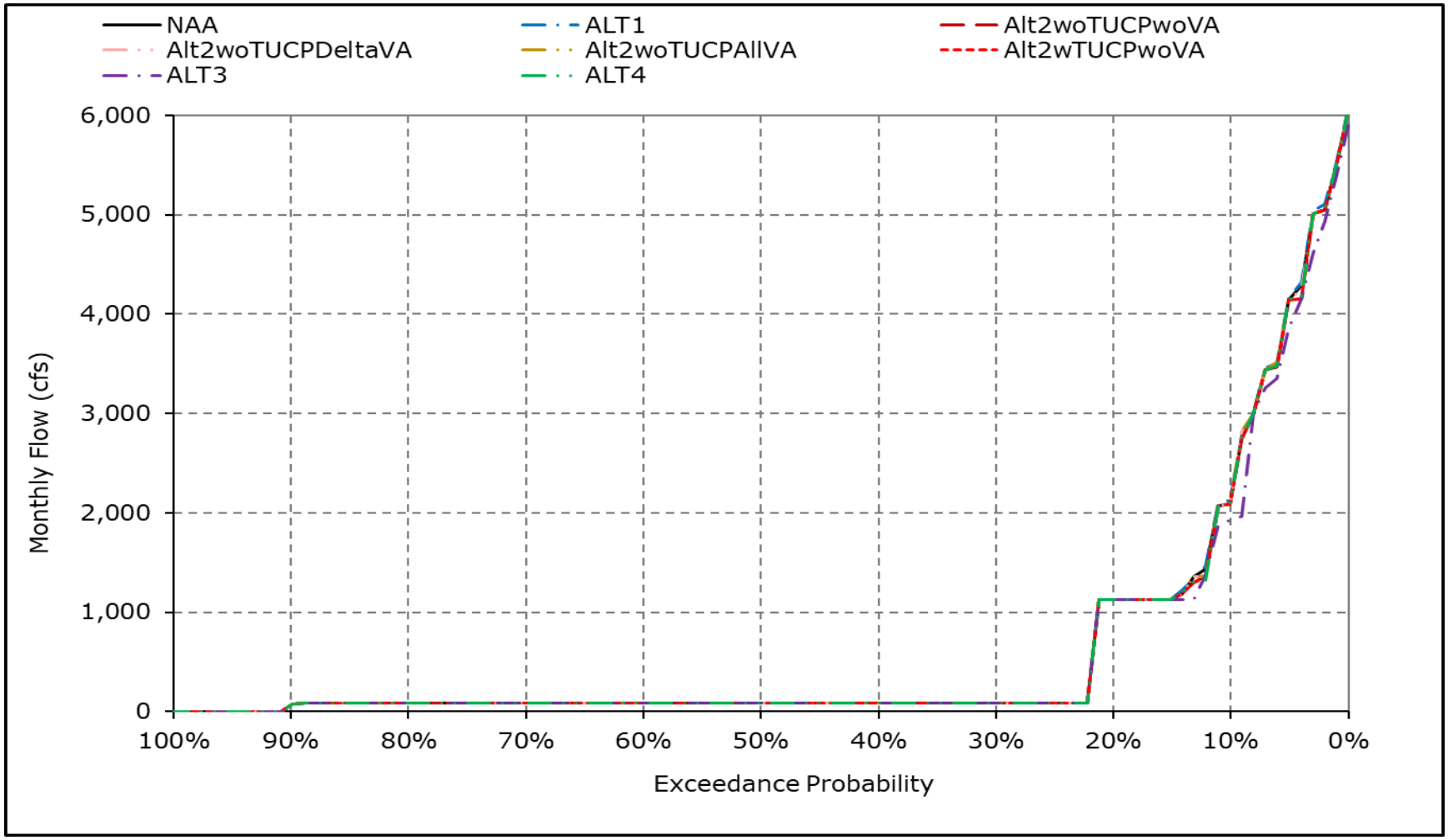
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-12. San Joaquin River Flow below Sack Dam, March



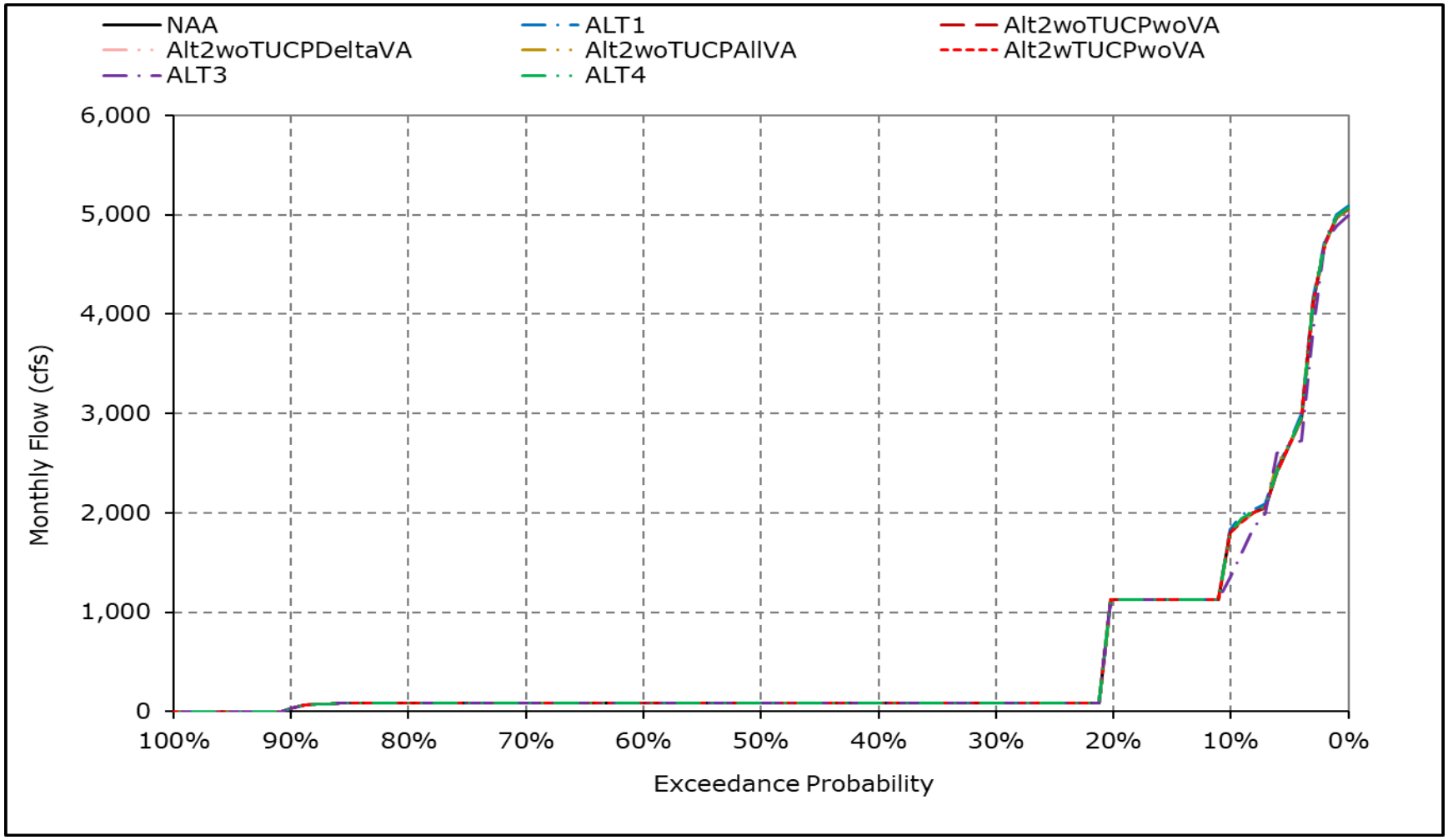
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-13. San Joaquin River Flow below Sack Dam, April



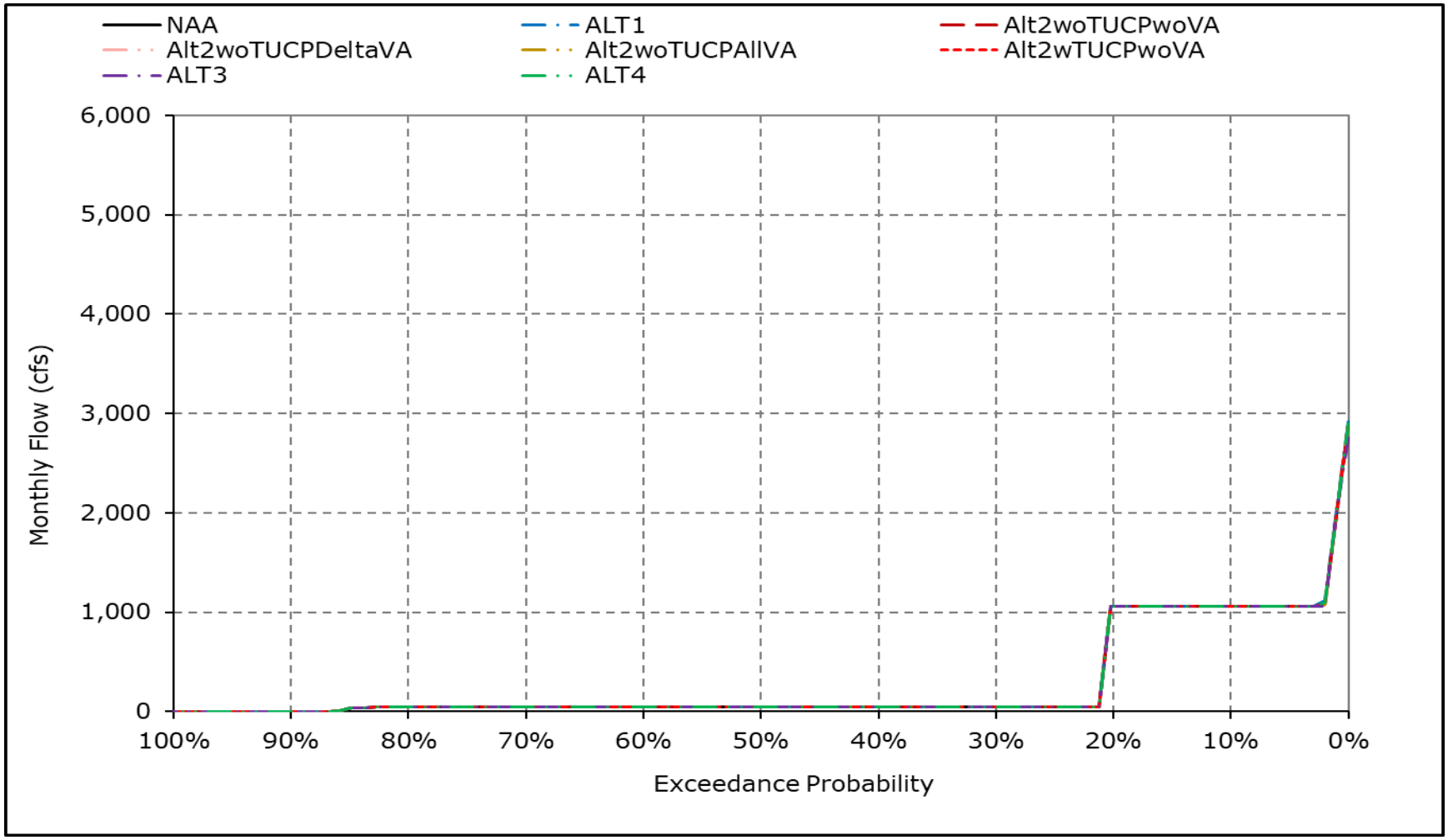
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-14. San Joaquin River Flow below Sack Dam, May



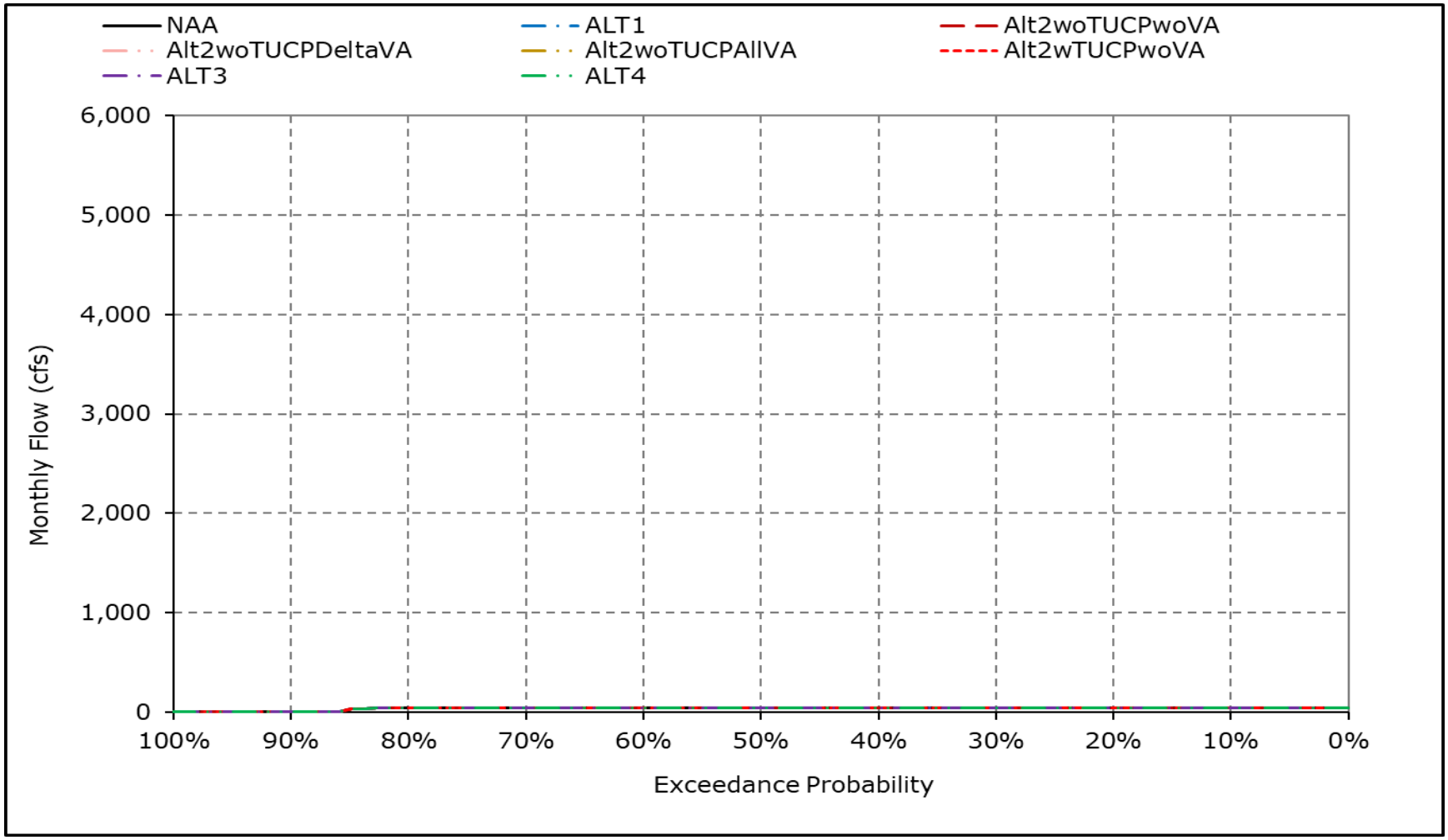
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-15. San Joaquin River Flow below Sack Dam, June



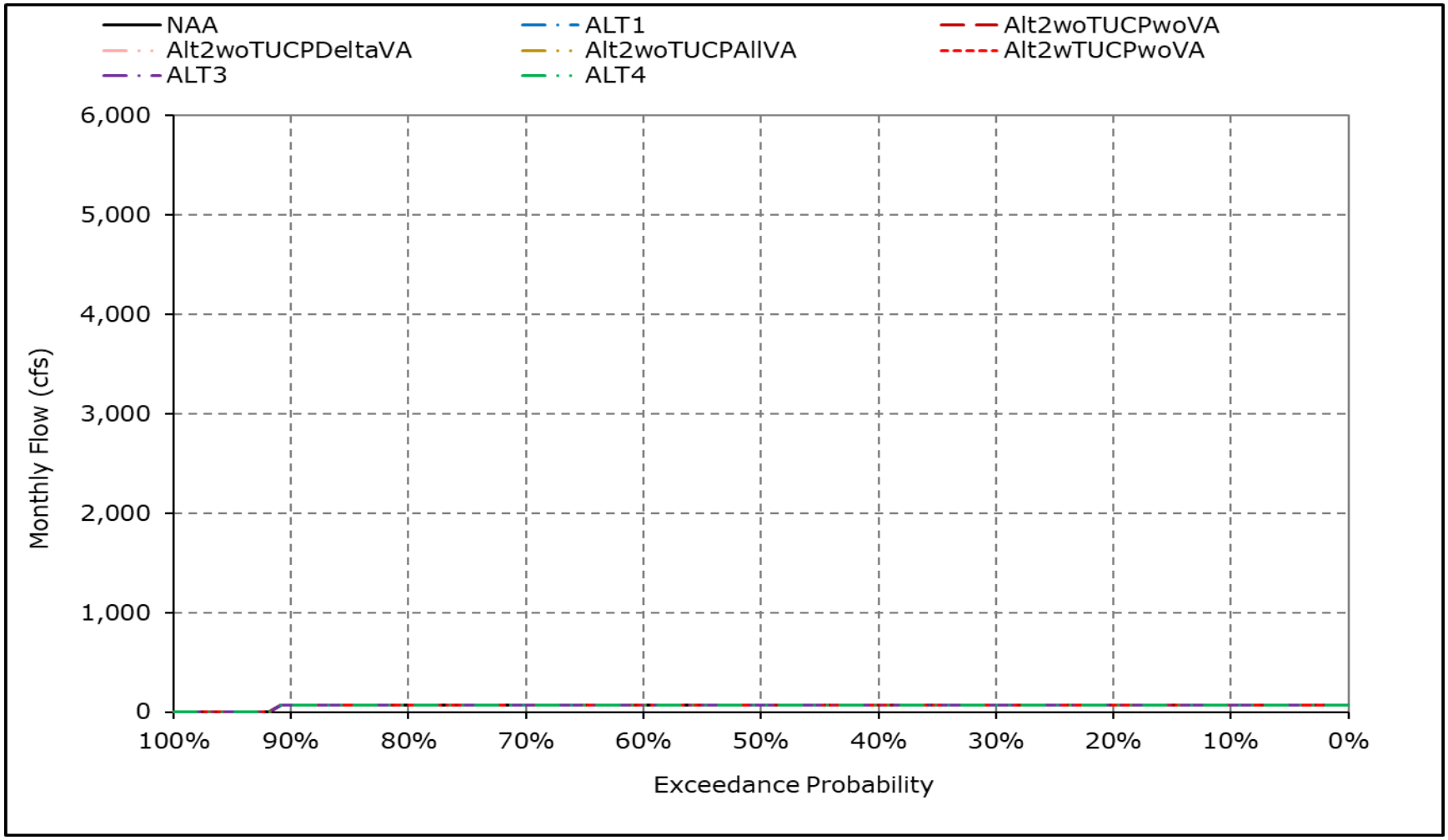
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-16. San Joaquin River Flow below Sack Dam, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-17. San Joaquin River Flow below Sack Dam, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-18. San Joaquin River Flow below Sack Dam, September

Table F.2.2-18-1a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-1b. San Joaquin River Flow below confluence with Merced , Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,999	1,596	2,540	3,978	9,145	7,212	7,740	4,718	3,810	2,033	1,150	1,008
20% Exceedance	1,493	1,357	1,457	2,829	3,956	3,987	5,010	2,790	2,036	1,563	953	915
30% Exceedance	1,065	1,286	1,224	2,008	2,922	3,083	4,213	1,407	1,074	783	730	776
40% Exceedance	941	1,185	1,004	1,566	2,080	2,310	3,797	1,042	914	702	702	759
50% Exceedance	901	1,114	894	1,255	1,461	2,173	2,393	866	836	636	664	741
60% Exceedance	881	1,042	863	1,102	1,343	2,071	1,928	787	807	600	647	728
70% Exceedance	863	991	826	1,031	1,166	1,966	1,690	736	765	567	629	708
80% Exceedance	834	963	765	967	1,070	1,922	1,457	663	724	536	604	692
90% Exceedance	780	892	726	919	1,041	1,858	1,417	610	636	457	548	624
Full Simulation Period Average[a]	1,148	1,253	1,549	2,541	3,430	3,515	3,643	2,096	1,716	959	764	788
Wet Water Years (22%)	1,881	1,691	2,092	6,160	8,148	7,637	7,817	6,057	4,783	2,168	1,188	1,040
Above Normal Water Years (12%)	1,179	1,273	2,538	2,715	4,192	3,461	4,349	1,839	1,175	804	730	763
Below Normal Water Years (15%)	1,009	1,234	1,368	2,028	3,311	2,704	3,648	1,253	1,000	718	699	746
Dry Water Years (17%)	922	1,139	1,194	1,153	1,266	2,103	2,017	804	811	615	654	726
Critical Water Years (34%)	825	1,022	1,061	1,059	1,243	1,931	1,502	641	690	508	586	683

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-1c. San Joaquin River Flow below confluence with Merced , Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	5	19	9	28	73	-4	45	31	17	9	24
20% Exceedance	8	13	18	18	15	9	5	13	4	13	15	12
30% Exceedance	18	15	7	6	12	14	8	11	19	20	18	11
40% Exceedance	10	11	12	13	11	15	8	7	9	21	22	16
50% Exceedance	4	13	10	13	11	1	15	11	11	6	17	13
60% Exceedance	8	8	12	9	11	5	7	10	19	22	17	19
70% Exceedance	16	20	15	5	12	17	15	15	16	17	12	13
80% Exceedance	8	13	12	9	8	10	10	10	19	11	6	15
90% Exceedance	5	9	8	10	14	5	9	8	7	6	6	10
Full Simulation Period Average[a]	11	11	13	13	17	15	23	8	16	15	14	12
Wet Water Years (22%)	14	14	16	25	37	26	68	2	32	20	16	14
Above Normal Water Years (12%)	10	9	16	13	14	28	13	13	13	14	13	13
Below Normal Water Years (15%)	9	9	9	9	10	9	9	9	11	13	11	10
Dry Water Years (17%)	13	12	13	10	11	11	14	13	18	17	20	19
Critical Water Years (34%)	10	10	11	9	10	9	9	8	9	11	11	9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-2a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-2b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,986	1,590	2,517	3,968	9,127	7,135	7,706	4,571	3,774	2,016	1,140	983
20% Exceedance	1,488	1,343	1,440	2,810	3,939	3,976	5,004	2,776	2,031	1,551	937	903
30% Exceedance	1,046	1,271	1,216	2,001	2,909	3,068	4,204	1,396	1,055	763	715	764
40% Exceedance	930	1,174	990	1,552	2,068	2,294	3,789	1,034	905	675	680	743
50% Exceedance	895	1,099	884	1,241	1,448	2,171	2,378	852	823	630	646	726
60% Exceedance	872	1,034	850	1,093	1,331	2,064	1,921	777	791	577	630	708
70% Exceedance	846	970	811	1,027	1,152	1,949	1,675	720	748	553	617	694
80% Exceedance	825	948	753	957	1,062	1,911	1,445	652	705	525	597	675
90% Exceedance	774	882	713	906	1,026	1,854	1,408	602	626	450	543	615
Full Simulation Period Average[a]	1,136	1,241	1,535	2,527	3,414	3,499	3,616	2,085	1,698	944	750	775
Wet Water Years (22%)	1,867	1,676	2,076	6,133	8,106	7,604	7,735	6,042	4,747	2,146	1,171	1,025
Above Normal Water Years (12%)	1,170	1,263	2,521	2,702	4,194	3,441	4,337	1,827	1,162	790	716	751
Below Normal Water Years (15%)	999	1,224	1,359	2,018	3,304	2,696	3,640	1,244	990	705	687	734
Dry Water Years (17%)	909	1,126	1,179	1,142	1,253	2,091	2,002	791	792	598	633	707
Critical Water Years (34%)	814	1,010	1,049	1,049	1,231	1,921	1,494	633	680	498	575	673

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-2c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	-4	-1	9	-4	-38	-102	-5	-1	-1	-1
20% Exceedance	3	-1	0	-1	-2	-2	-1	0	0	1	-1	0
30% Exceedance	-1	-1	0	-1	0	-1	-1	1	1	0	3	-1
40% Exceedance	-1	0	-2	-1	-1	-1	0	0	1	-7	0	0
50% Exceedance	-2	-1	0	0	-2	-1	0	-2	-1	0	-1	-2
60% Exceedance	0	0	-1	-1	-1	-2	0	-1	2	0	0	-1
70% Exceedance	-1	-1	0	1	-2	0	0	-1	-2	3	1	-1
80% Exceedance	-1	-2	0	-1	-1	-1	-1	0	0	0	-1	-1
90% Exceedance	-1	-1	-4	-2	-1	0	0	0	-2	-1	1	1
Full Simulation Period Average[a]	-1	-1	-1	-1	1	-1	-3	-3	-1	0	0	-1
Wet Water Years (22%)	-1	-1	-1	-1	-5	-7	-15	-13	-4	-2	-1	-1
Above Normal Water Years (12%)	0	0	-1	0	17	9	1	1	0	0	-1	0
Below Normal Water Years (15%)	0	0	0	-1	4	0	0	0	1	0	-2	-2
Dry Water Years (17%)	-1	-1	-1	-1	-2	-1	-1	0	0	-1	0	-1
Critical Water Years (34%)	-1	-2	-2	-1	-2	-1	0	-1	-1	1	1	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-3a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-3b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,986	1,589	2,516	3,968	9,125	7,132	7,707	4,664	3,773	2,016	1,140	984
20% Exceedance	1,487	1,342	1,440	2,811	3,939	3,976	5,071	2,776	2,031	1,551	939	903
30% Exceedance	1,046	1,270	1,216	2,000	2,906	3,068	4,210	1,394	1,055	763	715	763
40% Exceedance	931	1,174	990	1,552	2,069	2,294	3,802	1,034	905	681	678	742
50% Exceedance	896	1,099	884	1,241	1,449	2,171	2,378	855	824	629	646	728
60% Exceedance	872	1,034	850	1,093	1,331	2,064	1,984	777	791	578	630	711
70% Exceedance	845	970	811	1,026	1,152	1,949	1,681	720	748	553	617	694
80% Exceedance	826	947	754	956	1,060	1,910	1,463	653	705	518	600	675
90% Exceedance	773	882	713	906	1,026	1,854	1,407	601	625	451	543	615
Full Simulation Period Average[a]	1,136	1,241	1,535	2,527	3,418	3,497	3,633	2,090	1,699	944	749	775
Wet Water Years (22%)	1,867	1,676	2,076	6,133	8,108	7,598	7,735	6,052	4,750	2,147	1,171	1,025
Above Normal Water Years (12%)	1,169	1,263	2,521	2,702	4,228	3,436	4,370	1,840	1,161	790	715	751
Below Normal Water Years (15%)	999	1,224	1,359	2,020	3,304	2,695	3,668	1,252	990	704	685	734
Dry Water Years (17%)	908	1,126	1,180	1,142	1,253	2,091	2,031	792	792	599	633	709
Critical Water Years (34%)	814	1,010	1,049	1,049	1,231	1,921	1,506	633	680	497	575	673

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-3c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	-5	-1	7	-7	-37	-9	-5	-1	-1	-1
20% Exceedance	3	-1	0	-1	-2	-2	67	-1	-1	1	1	0
30% Exceedance	-1	-1	0	-2	-3	-1	5	-1	1	0	3	-1
40% Exceedance	-1	0	-2	-1	-1	-2	13	0	0	-1	-2	-1
50% Exceedance	-1	-1	0	0	-1	-1	0	1	-1	-1	-1	0
60% Exceedance	-1	0	-1	-1	-1	-3	63	-1	3	0	0	1
70% Exceedance	-1	-1	0	0	-2	0	6	-1	-2	3	1	0
80% Exceedance	1	-2	0	-2	-2	-1	17	0	0	-7	2	-1
90% Exceedance	-2	-1	-5	-3	-1	0	-1	-1	-3	-1	2	1
Full Simulation Period Average[a]	-1	-1	-1	-1	5	-3	14	2	-1	0	-1	-1
Wet Water Years (22%)	-1	-1	-1	-1	-4	-13	-15	-3	-1	-1	-1	-1
Above Normal Water Years (12%)	0	0	-1	0	51	3	34	14	-1	0	-1	0
Below Normal Water Years (15%)	0	-1	-1	0	3	0	29	7	0	0	-3	-2
Dry Water Years (17%)	-1	-1	0	-1	-2	-1	28	1	0	0	0	2
Critical Water Years (34%)	-1	-2	-2	-1	-2	-1	12	-1	-2	0	0	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-4a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-4b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,986	1,590	2,517	3,968	9,143	7,133	7,708	4,812	3,775	2,052	1,140	983
20% Exceedance	1,488	1,343	1,440	2,811	3,940	3,976	5,038	2,777	2,031	1,667	950	903
30% Exceedance	1,046	1,271	1,216	2,001	2,910	3,068	4,210	1,396	1,055	957	725	767
40% Exceedance	937	1,174	991	1,602	2,068	2,294	3,802	1,034	906	795	691	748
50% Exceedance	895	1,099	886	1,243	1,450	2,171	2,378	855	824	717	657	730
60% Exceedance	872	1,034	851	1,093	1,332	2,071	1,991	777	791	634	633	715
70% Exceedance	846	970	811	1,027	1,152	1,957	1,675	721	748	594	623	699
80% Exceedance	826	948	754	957	1,061	1,911	1,464	653	705	519	598	677
90% Exceedance	773	882	713	906	1,028	1,854	1,408	602	626	450	541	613
Full Simulation Period Average[a]	1,136	1,242	1,536	2,537	3,417	3,501	3,634	2,093	1,699	1,000	754	778
Wet Water Years (22%)	1,867	1,676	2,076	6,168	8,117	7,600	7,736	6,048	4,751	2,186	1,175	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,703	4,194	3,441	4,369	1,872	1,162	890	720	751
Below Normal Water Years (15%)	999	1,225	1,359	2,020	3,304	2,699	3,670	1,252	990	842	700	740
Dry Water Years (17%)	910	1,126	1,185	1,151	1,258	2,099	2,030	792	792	664	639	714
Critical Water Years (34%)	814	1,010	1,049	1,049	1,231	1,924	1,506	633	680	510	576	675

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-4c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	-3	-1	25	-6	-36	139	-3	36	-1	-1
20% Exceedance	3	0	0	0	-1	-2	34	0	0	117	12	0
30% Exceedance	-1	0	0	-1	0	-1	6	1	1	194	12	2
40% Exceedance	6	0	-1	50	-1	-1	13	0	1	114	11	5
50% Exceedance	-2	-1	2	2	0	-1	0	1	0	87	9	2
60% Exceedance	0	0	0	0	-1	4	70	-1	3	56	3	5
70% Exceedance	-1	-1	0	1	-2	8	0	-1	-1	44	6	5
80% Exceedance	1	-2	0	-1	-1	-1	17	0	0	-7	0	1
90% Exceedance	-1	-1	-4	-2	1	0	0	-1	-3	-1	-1	-1
Full Simulation Period Average[a]	0	-1	0	9	4	1	15	5	0	56	4	2
Wet Water Years (22%)	0	0	0	34	6	-11	-14	-7	0	38	3	0
Above Normal Water Years (12%)	0	0	0	1	17	9	33	46	0	100	3	0
Below Normal Water Years (15%)	0	0	0	1	3	4	31	8	1	137	11	4
Dry Water Years (17%)	0	-1	5	8	3	7	27	1	0	65	6	7
Critical Water Years (34%)	-1	-2	-2	-1	-2	1	13	-1	-1	12	1	1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-5a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-5b. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,986	1,590	2,517	3,968	9,128	7,134	7,706	4,571	3,775	2,016	1,140	983
20% Exceedance	1,488	1,343	1,440	2,810	3,939	3,977	5,005	2,777	2,031	1,551	937	903
30% Exceedance	1,046	1,271	1,216	2,001	2,909	3,068	4,204	1,397	1,055	762	715	764
40% Exceedance	931	1,174	990	1,552	2,069	2,294	3,788	1,034	906	675	680	743
50% Exceedance	895	1,098	884	1,241	1,448	2,170	2,378	852	823	630	646	727
60% Exceedance	872	1,034	850	1,093	1,331	2,064	1,921	777	790	578	630	708
70% Exceedance	846	970	811	1,026	1,152	1,949	1,675	721	748	553	617	694
80% Exceedance	825	948	753	957	1,062	1,911	1,446	652	705	524	598	675
90% Exceedance	773	882	713	906	1,026	1,853	1,408	602	626	450	543	615
Full Simulation Period Average[a]	1,136	1,241	1,535	2,527	3,414	3,499	3,616	2,085	1,698	943	750	775
Wet Water Years (22%)	1,867	1,676	2,076	6,133	8,106	7,604	7,735	6,042	4,747	2,146	1,171	1,025
Above Normal Water Years (12%)	1,170	1,264	2,521	2,702	4,194	3,441	4,337	1,826	1,162	790	716	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,018	3,305	2,696	3,640	1,244	990	706	688	735
Dry Water Years (17%)	909	1,126	1,179	1,142	1,253	2,091	2,002	791	792	598	633	707
Critical Water Years (34%)	814	1,010	1,049	1,049	1,231	1,921	1,494	633	680	496	574	673

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-5c. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	-3	0	10	-5	-37	-102	-4	0	-1	-1
20% Exceedance	3	-1	0	-1	-2	-1	0	0	0	1	-1	0
30% Exceedance	0	0	0	-1	0	-1	0	2	1	-1	3	-1
40% Exceedance	0	0	-2	0	0	-1	-1	0	1	-7	0	0
50% Exceedance	-2	-2	0	0	-2	-1	0	-2	-1	0	-2	-2
60% Exceedance	0	0	0	-1	-1	-2	0	-1	1	0	0	-1
70% Exceedance	-1	-1	0	0	-2	0	0	-1	-2	3	1	-1
80% Exceedance	-1	-2	0	-1	0	-1	-1	0	0	-1	0	-1
90% Exceedance	-1	-1	-4	-2	-1	-1	0	0	-2	-1	1	1
Full Simulation Period Average[a]	0	-1	-1	-1	1	-1	-3	-3	-1	-1	-1	-1
Wet Water Years (22%)	0	-1	-1	-1	-5	-7	-15	-13	-4	-2	-1	-1
Above Normal Water Years (12%)	0	0	-1	0	17	9	2	1	0	0	-1	0
Below Normal Water Years (15%)	0	0	0	-1	4	0	0	0	1	1	-1	-1
Dry Water Years (17%)	-1	-1	-1	-1	-2	-1	-1	0	0	-1	0	-1
Critical Water Years (34%)	-1	-2	-2	-1	-2	-1	0	-1	-1	-1	0	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-6a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-6b. San Joaquin River Flow below confluence with Merced , Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,906	1,553	2,483	3,920	9,113	6,925	7,581	4,441	3,621	1,916	1,081	914
20% Exceedance	1,463	1,296	1,368	2,779	3,884	3,951	4,988	2,712	2,004	1,475	892	823
30% Exceedance	990	1,221	1,144	1,964	2,826	3,053	4,152	1,354	978	726	650	713
40% Exceedance	896	1,131	939	1,481	2,022	2,242	3,759	997	863	618	613	682
50% Exceedance	849	1,045	846	1,179	1,409	2,130	2,311	810	780	553	595	669
60% Exceedance	826	990	788	1,064	1,285	2,021	1,882	745	723	523	563	648
70% Exceedance	788	923	754	989	1,119	1,896	1,629	663	688	485	549	634
80% Exceedance	775	885	713	893	1,028	1,872	1,410	608	646	450	536	615
90% Exceedance	729	829	677	848	960	1,819	1,363	541	573	386	488	578
Full Simulation Period Average[a]	1,084	1,187	1,477	2,467	3,347	3,441	3,549	2,021	1,621	871	687	718
Wet Water Years (22%)	1,801	1,610	2,003	6,035	7,974	7,488	7,584	5,890	4,596	2,045	1,091	951
Above Normal Water Years (12%)	1,123	1,217	2,457	2,646	4,140	3,401	4,295	1,784	1,104	723	654	693
Below Normal Water Years (15%)	954	1,180	1,312	1,977	3,256	2,653	3,601	1,209	942	649	631	681
Dry Water Years (17%)	848	1,061	1,115	1,085	1,200	2,044	1,943	738	719	521	566	645
Critical Water Years (34%)	772	959	1,001	1,003	1,186	1,884	1,453	600	629	436	521	628

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-6c. San Joaquin River Flow below confluence with Merced , Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-80	-37	-37	-49	-5	-214	-163	-233	-158	-101	-60	-70
20% Exceedance	-21	-48	-71	-32	-57	-27	-16	-64	-27	-75	-47	-80
30% Exceedance	-57	-51	-72	-38	-84	-16	-52	-41	-77	-36	-62	-51
40% Exceedance	-35	-43	-53	-71	-47	-53	-30	-37	-42	-64	-67	-61
50% Exceedance	-48	-55	-38	-62	-41	-42	-67	-45	-45	-77	-52	-59
60% Exceedance	-46	-44	-63	-30	-47	-46	-39	-33	-65	-55	-67	-62
70% Exceedance	-58	-48	-57	-37	-35	-54	-46	-59	-62	-65	-67	-60
80% Exceedance	-51	-64	-41	-65	-34	-40	-37	-45	-59	-75	-62	-61
90% Exceedance	-45	-54	-41	-60	-68	-35	-45	-61	-55	-65	-53	-36
Full Simulation Period Average[a]	-52	-56	-59	-61	-66	-59	-71	-67	-78	-73	-64	-58
Wet Water Years (22%)	-67	-67	-74	-100	-137	-123	-165	-165	-155	-103	-81	-74
Above Normal Water Years (12%)	-47	-47	-65	-56	-37	-32	-40	-42	-58	-67	-63	-57
Below Normal Water Years (15%)	-45	-45	-47	-42	-45	-42	-39	-36	-47	-56	-57	-55
Dry Water Years (17%)	-62	-65	-66	-58	-55	-48	-60	-53	-73	-78	-67	-63
Critical Water Years (34%)	-43	-52	-49	-47	-47	-39	-40	-33	-52	-61	-53	-46

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-7a. San Joaquin River Flow below confluence with Merced , No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,987	1,590	2,520	3,969	9,118	7,139	7,744	4,673	3,779	2,016	1,141	984
20% Exceedance	1,484	1,343	1,440	2,811	3,941	3,978	5,005	2,777	2,031	1,550	938	903
30% Exceedance	1,047	1,271	1,216	2,002	2,910	3,069	4,205	1,395	1,055	763	712	764
40% Exceedance	931	1,174	992	1,553	2,069	2,295	3,789	1,034	905	682	680	743
50% Exceedance	897	1,100	884	1,241	1,450	2,172	2,378	854	825	630	648	728
60% Exceedance	872	1,034	851	1,094	1,332	2,067	1,921	778	788	578	630	709
70% Exceedance	847	971	811	1,026	1,154	1,949	1,675	721	750	550	616	695
80% Exceedance	825	949	754	958	1,062	1,912	1,447	653	705	525	598	676
90% Exceedance	775	883	717	909	1,027	1,854	1,408	602	628	452	542	614
Full Simulation Period Average[a]	1,137	1,242	1,536	2,528	3,413	3,500	3,619	2,088	1,700	944	750	776
Wet Water Years (22%)	1,868	1,677	2,077	6,134	8,111	7,611	7,750	6,055	4,751	2,148	1,172	1,026
Above Normal Water Years (12%)	1,170	1,264	2,522	2,702	4,177	3,433	4,336	1,826	1,162	790	717	751
Below Normal Water Years (15%)	1,000	1,225	1,359	2,019	3,301	2,696	3,640	1,244	990	705	688	736
Dry Water Years (17%)	909	1,127	1,180	1,143	1,255	2,092	2,003	791	793	599	633	708
Critical Water Years (34%)	815	1,012	1,051	1,050	1,233	1,923	1,493	634	682	497	575	674

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-7b. San Joaquin River Flow below confluence with Merced , Alternative 4, Monthly Flow (cfs)

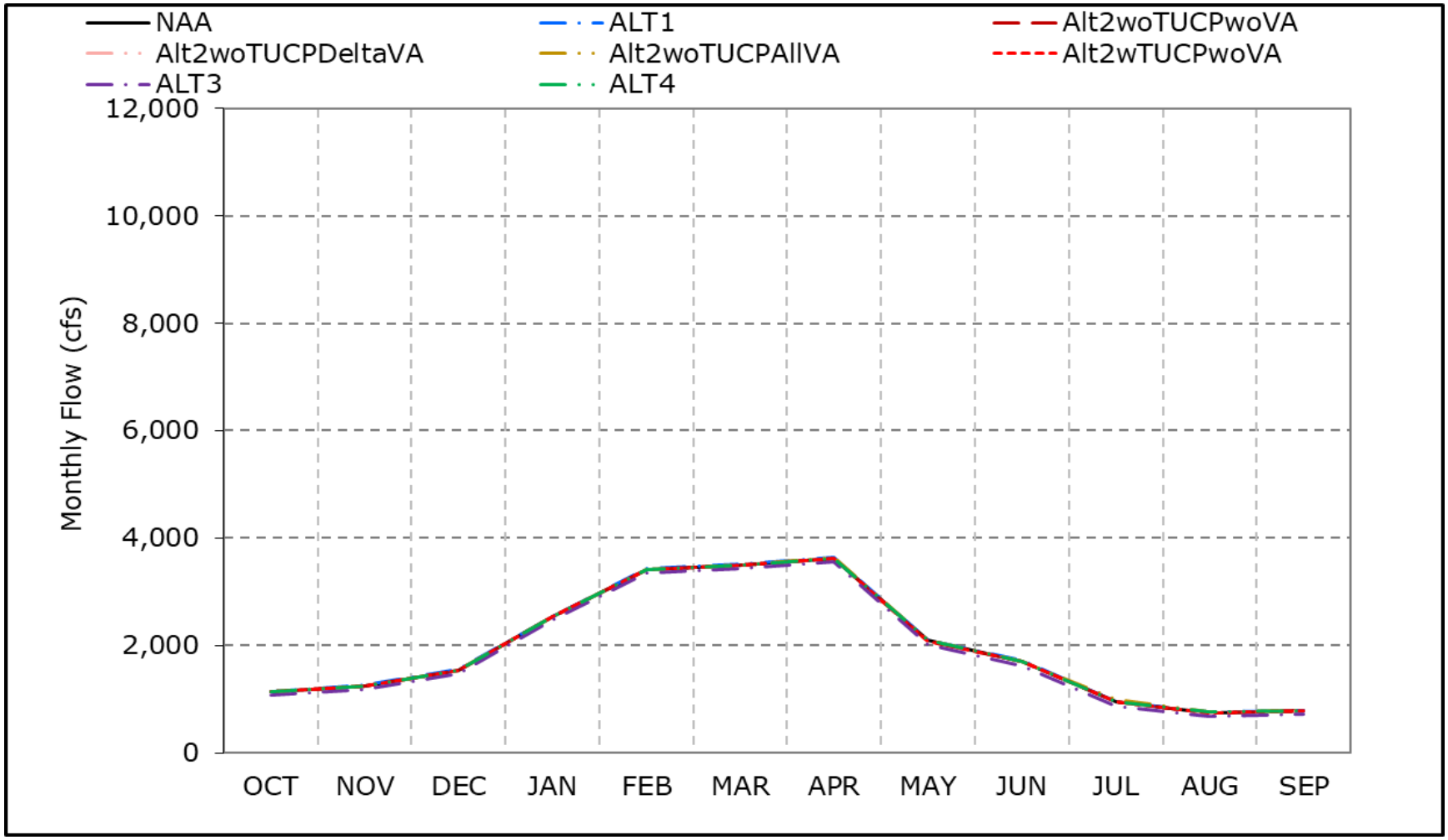
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,989	1,592	2,523	3,971	9,134	7,147	7,712	4,584	3,785	2,021	1,143	986
20% Exceedance	1,491	1,345	1,443	2,819	3,944	3,980	5,008	2,781	2,032	1,553	939	907
30% Exceedance	1,049	1,274	1,217	2,004	2,913	3,071	4,206	1,399	1,062	766	717	767
40% Exceedance	933	1,177	996	1,555	2,071	2,297	3,791	1,037	909	687	684	746
50% Exceedance	898	1,103	887	1,244	1,452	2,172	2,381	858	825	633	651	730
60% Exceedance	875	1,036	854	1,098	1,335	2,067	1,922	778	789	581	632	714
70% Exceedance	851	973	814	1,027	1,156	1,953	1,678	724	751	551	618	697
80% Exceedance	827	951	756	959	1,063	1,914	1,448	655	708	522	601	678
90% Exceedance	775	884	715	910	1,029	1,854	1,411	605	630	452	546	617
Full Simulation Period Average[a]	1,139	1,245	1,539	2,531	3,418	3,502	3,619	2,088	1,702	947	753	778
Wet Water Years (22%)	1,871	1,680	2,081	6,140	8,117	7,608	7,738	6,050	4,756	2,152	1,175	1,028
Above Normal Water Years (12%)	1,172	1,267	2,527	2,705	4,197	3,445	4,341	1,830	1,166	794	720	753
Below Normal Water Years (15%)	1,003	1,227	1,362	2,020	3,303	2,698	3,643	1,247	994	709	691	740
Dry Water Years (17%)	912	1,129	1,183	1,145	1,257	2,095	2,006	794	795	601	636	711
Critical Water Years (34%)	817	1,013	1,052	1,052	1,234	1,924	1,495	635	682	498	577	675

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-18-7c. San Joaquin River Flow below confluence with Merced , Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

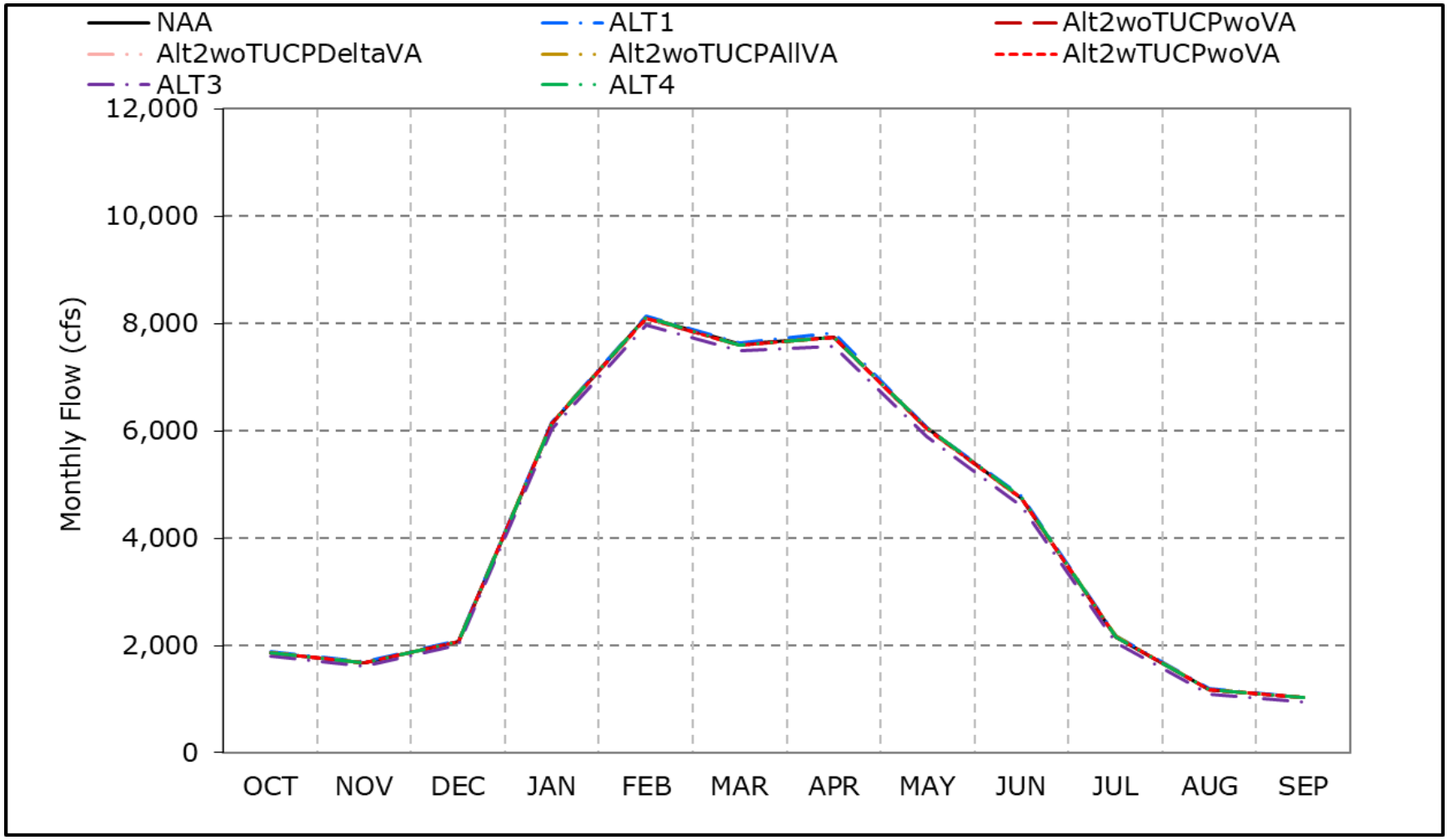
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	2	3	2	16	8	-32	-89	6	4	2	2
20% Exceedance	7	2	4	7	3	2	4	4	1	4	1	4
30% Exceedance	3	3	1	2	4	2	2	4	7	3	5	3
40% Exceedance	2	3	4	3	1	2	2	3	4	5	4	2
50% Exceedance	1	2	3	2	1	1	3	4	0	3	3	1
60% Exceedance	2	2	3	4	2	0	1	1	1	3	2	4
70% Exceedance	4	2	3	1	3	4	3	3	1	1	2	2
80% Exceedance	1	1	3	2	1	2	2	2	2	-3	3	2
90% Exceedance	1	1	-2	1	2	0	3	3	2	1	4	3
Full Simulation Period Average[a]	3	2	3	3	4	2	0	1	3	3	3	3
Wet Water Years (22%)	3	3	4	6	5	-3	-12	-5	5	4	3	3
Above Normal Water Years (12%)	3	3	4	3	20	12	5	4	4	4	4	3
Below Normal Water Years (15%)	3	3	3	1	2	2	3	3	4	5	2	4
Dry Water Years (17%)	3	2	3	2	2	2	3	2	3	2	2	3
Critical Water Years (34%)	2	1	2	2	1	2	2	1	1	1	3	1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



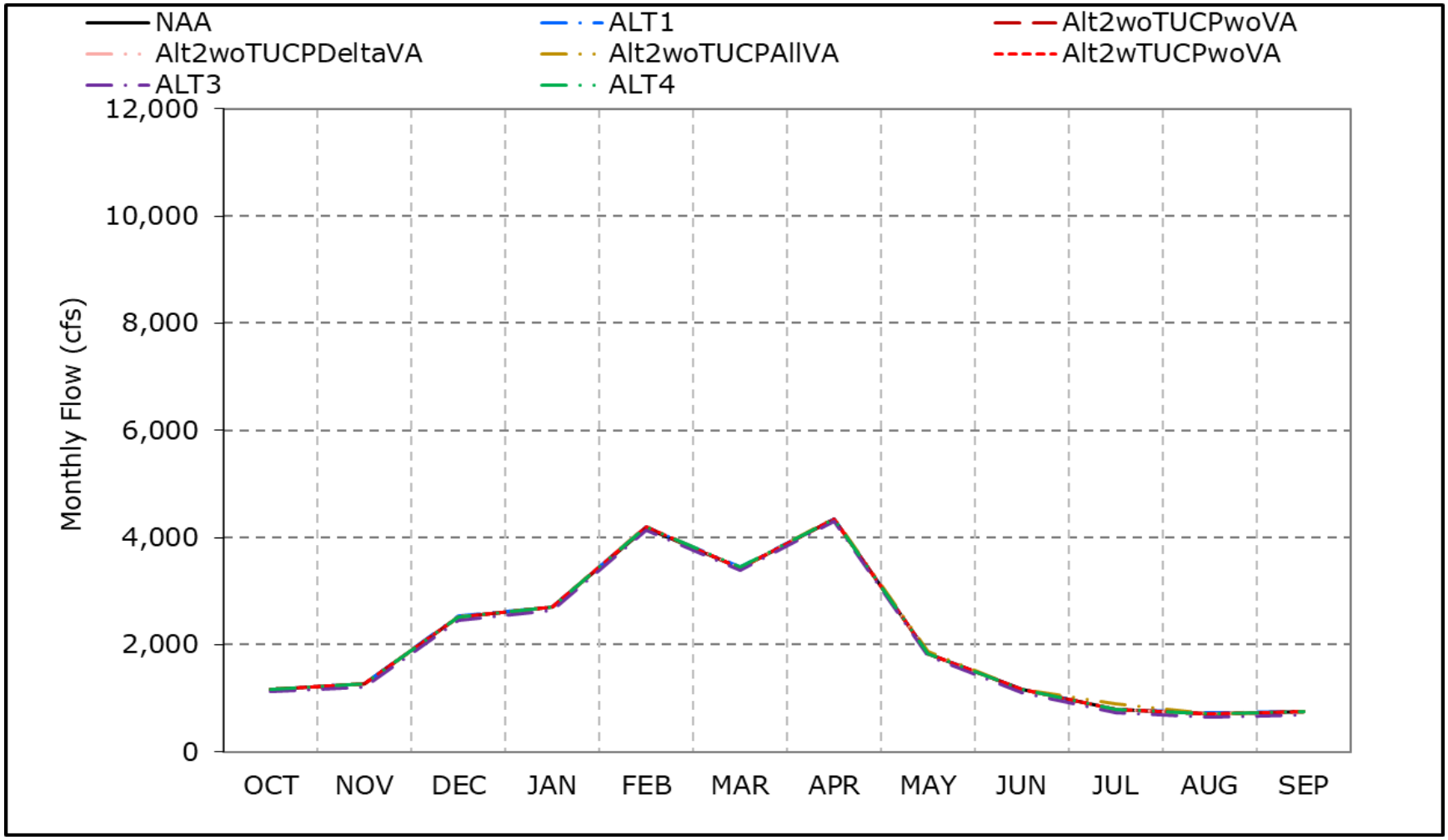
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-1. San Joaquin River Flow below confluence with Merced , Long- Term Average Flow



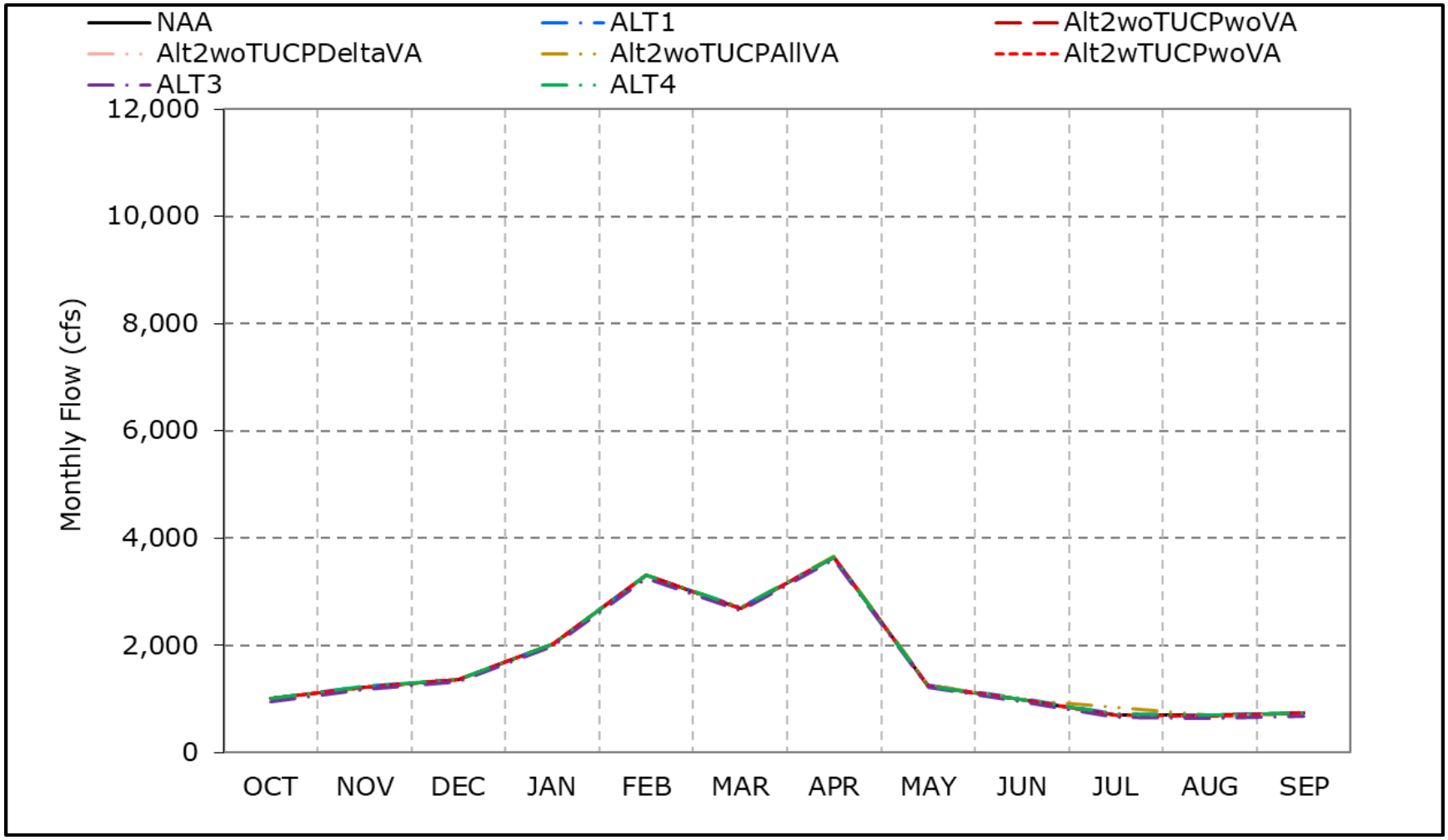
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-2. San Joaquin River Flow below confluence with Merced , Wet Year Average Flow



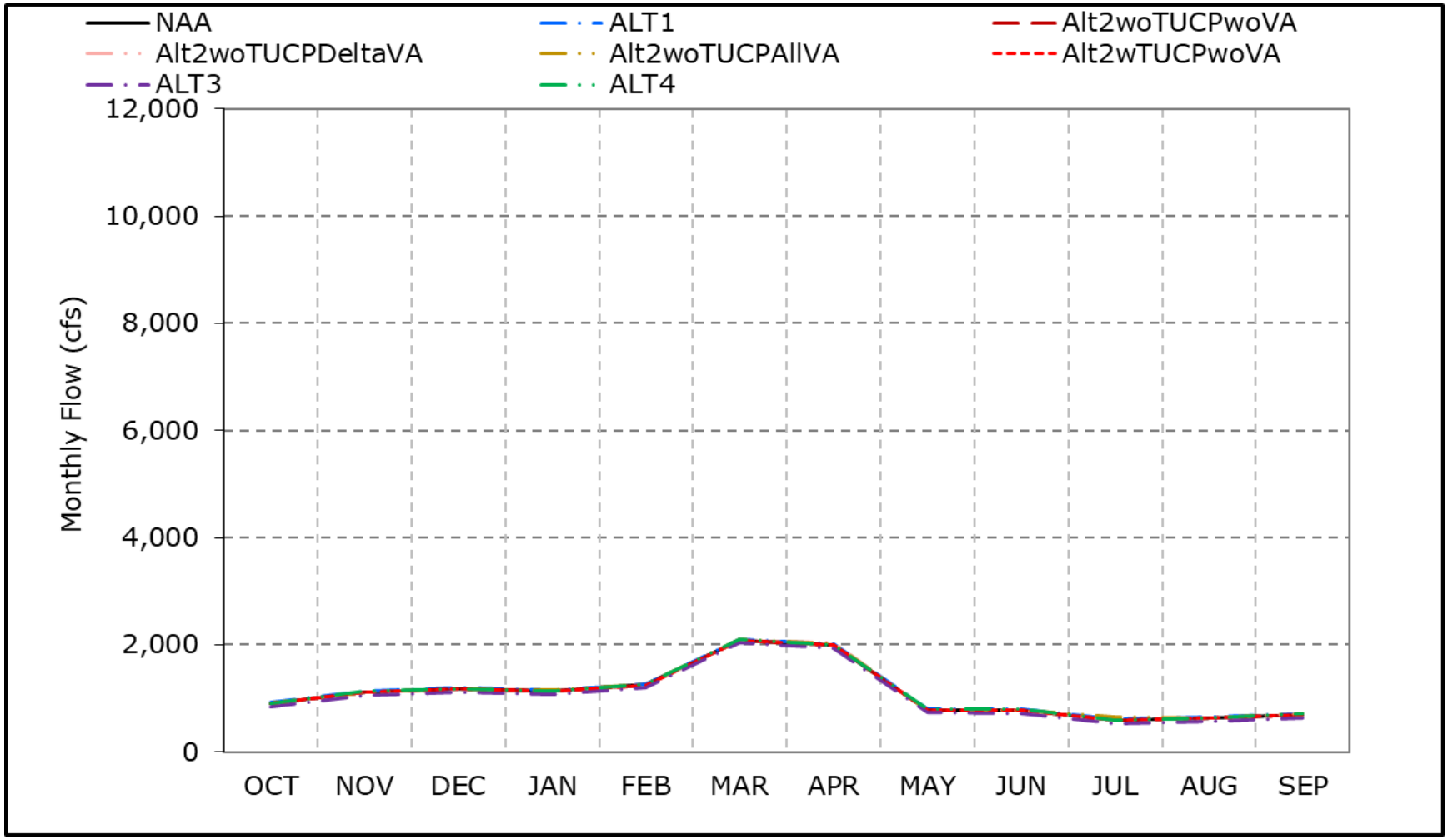
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-3. San Joaquin River Flow below confluence with Merced , Above Normal Year Average Flow



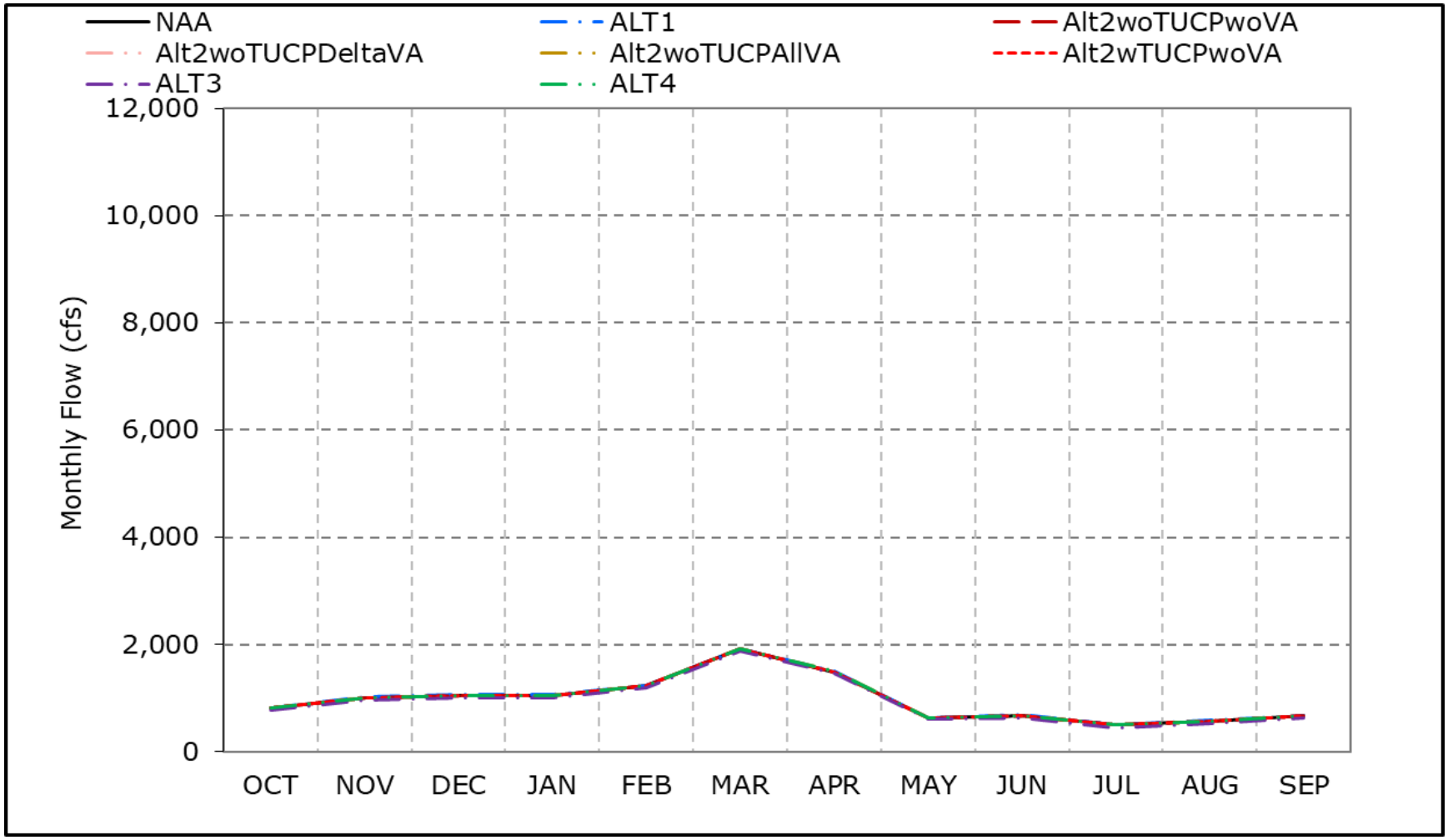
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-4. San Joaquin River Flow below confluence with Merced , Below Normal Year Average Flow



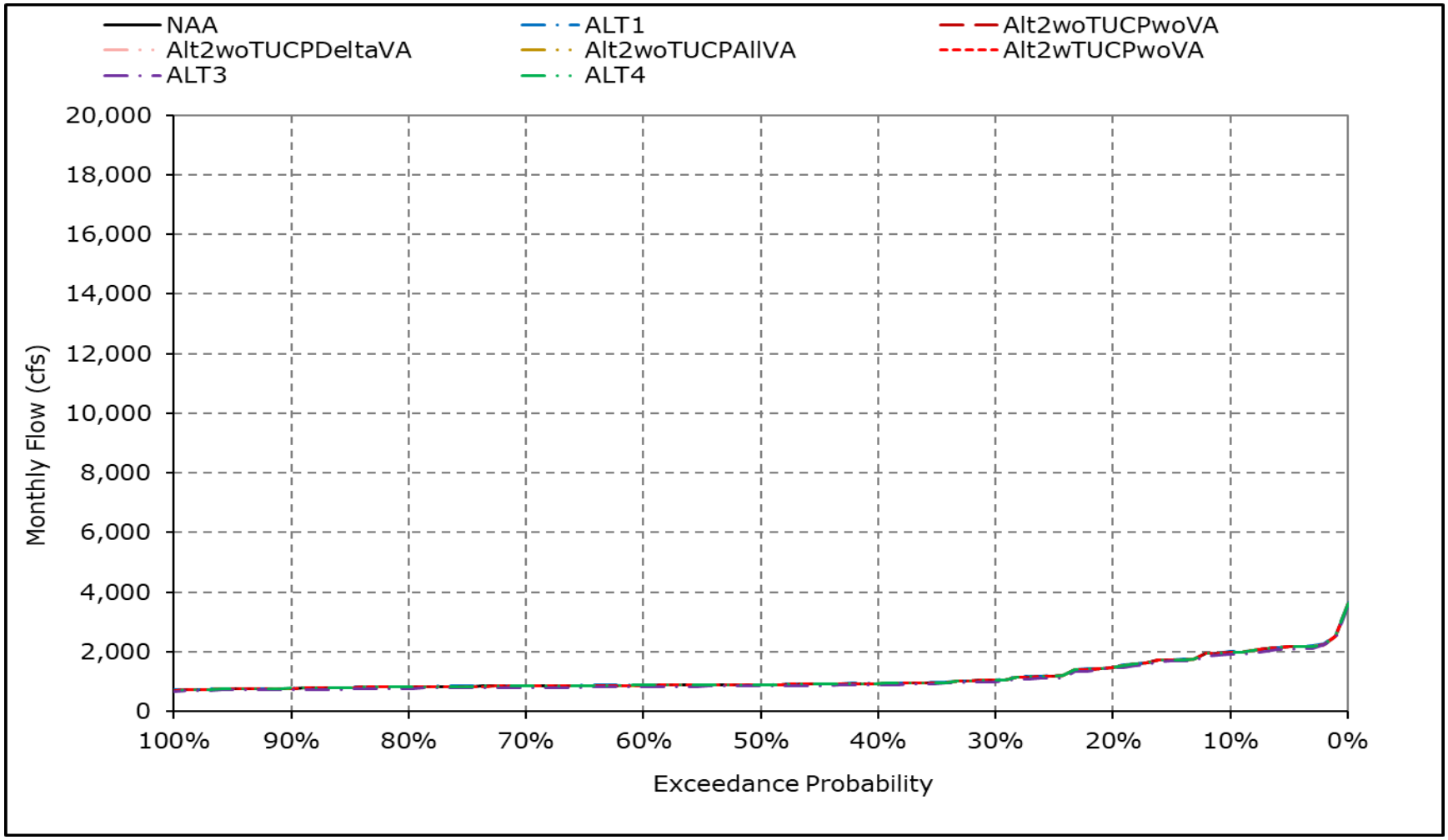
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-5. San Joaquin River Flow below confluence with Merced , Dry Year Average Flow



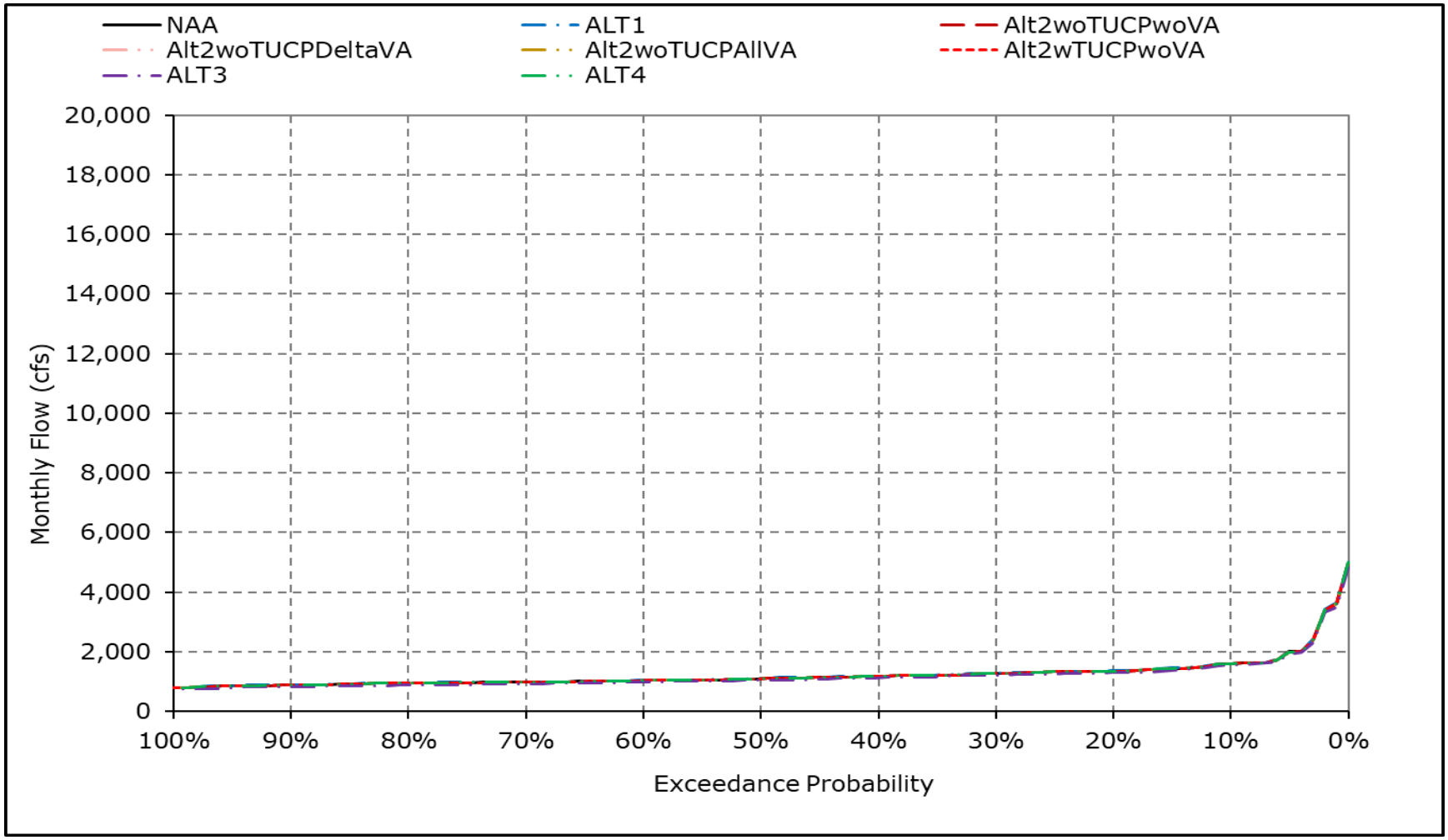
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-6. San Joaquin River Flow below confluence with Merced , Critical Year Average Flow



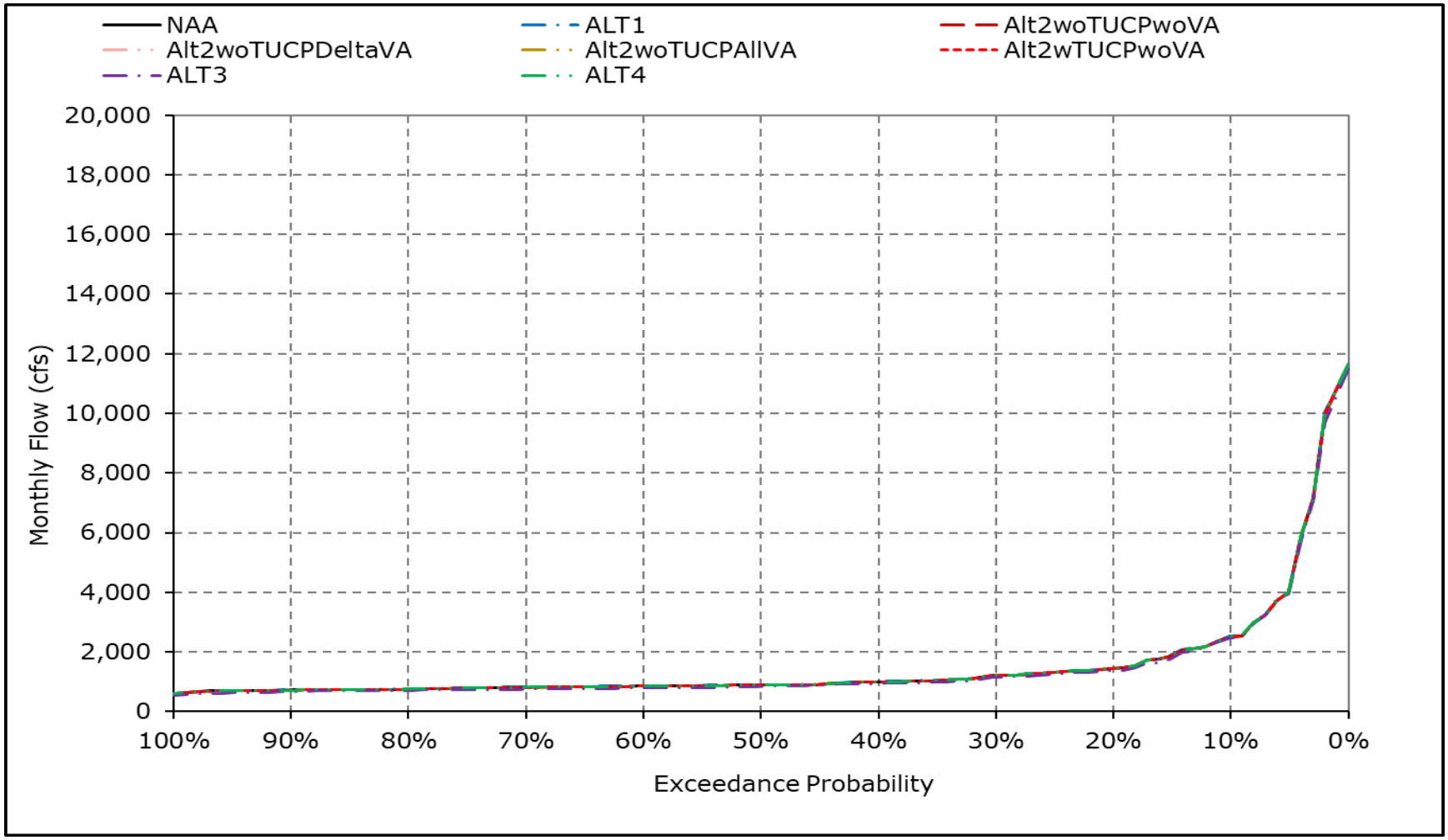
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-7. San Joaquin River Flow below confluence with Merced , October



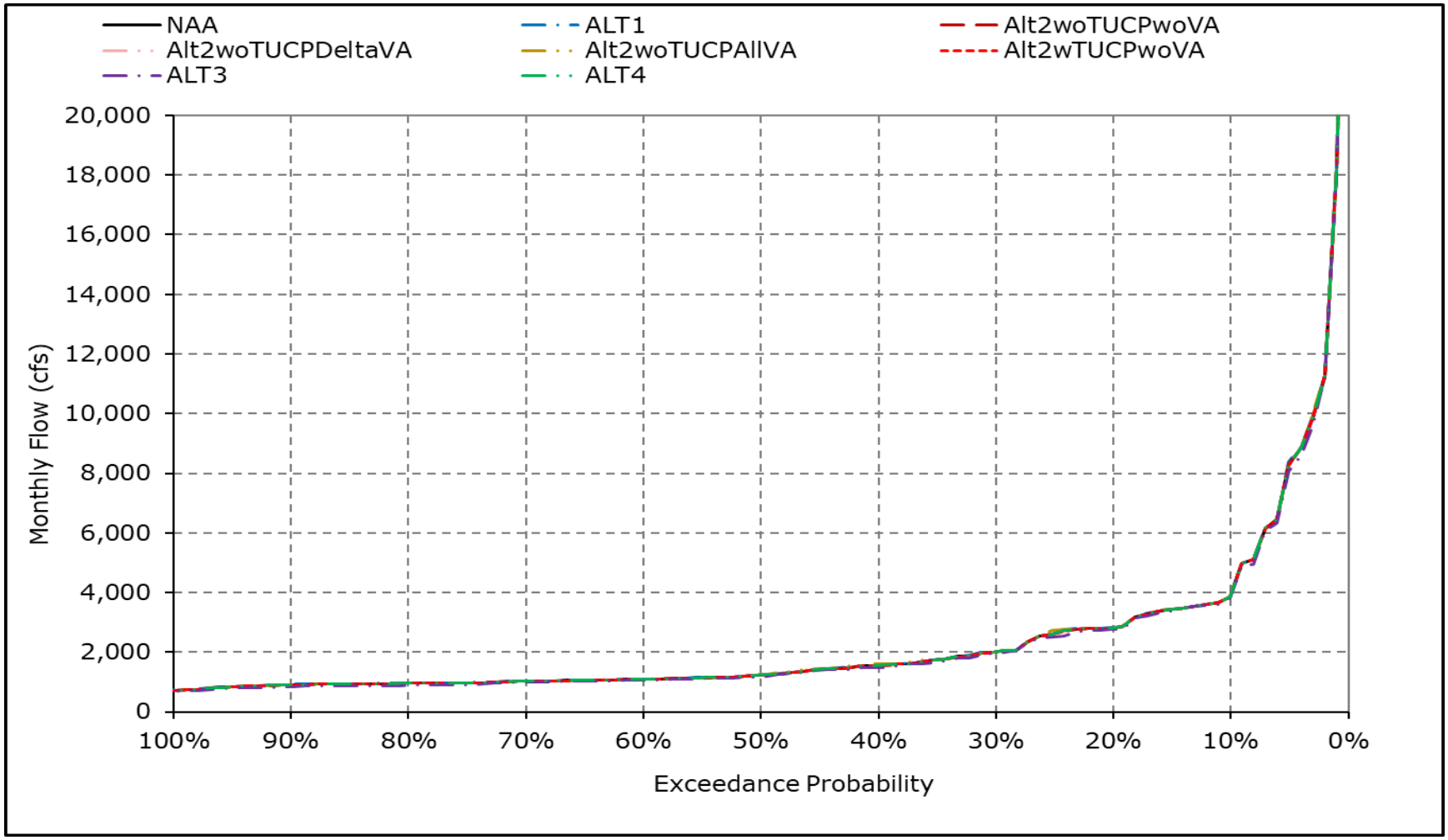
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-8. San Joaquin River Flow below confluence with Merced , November



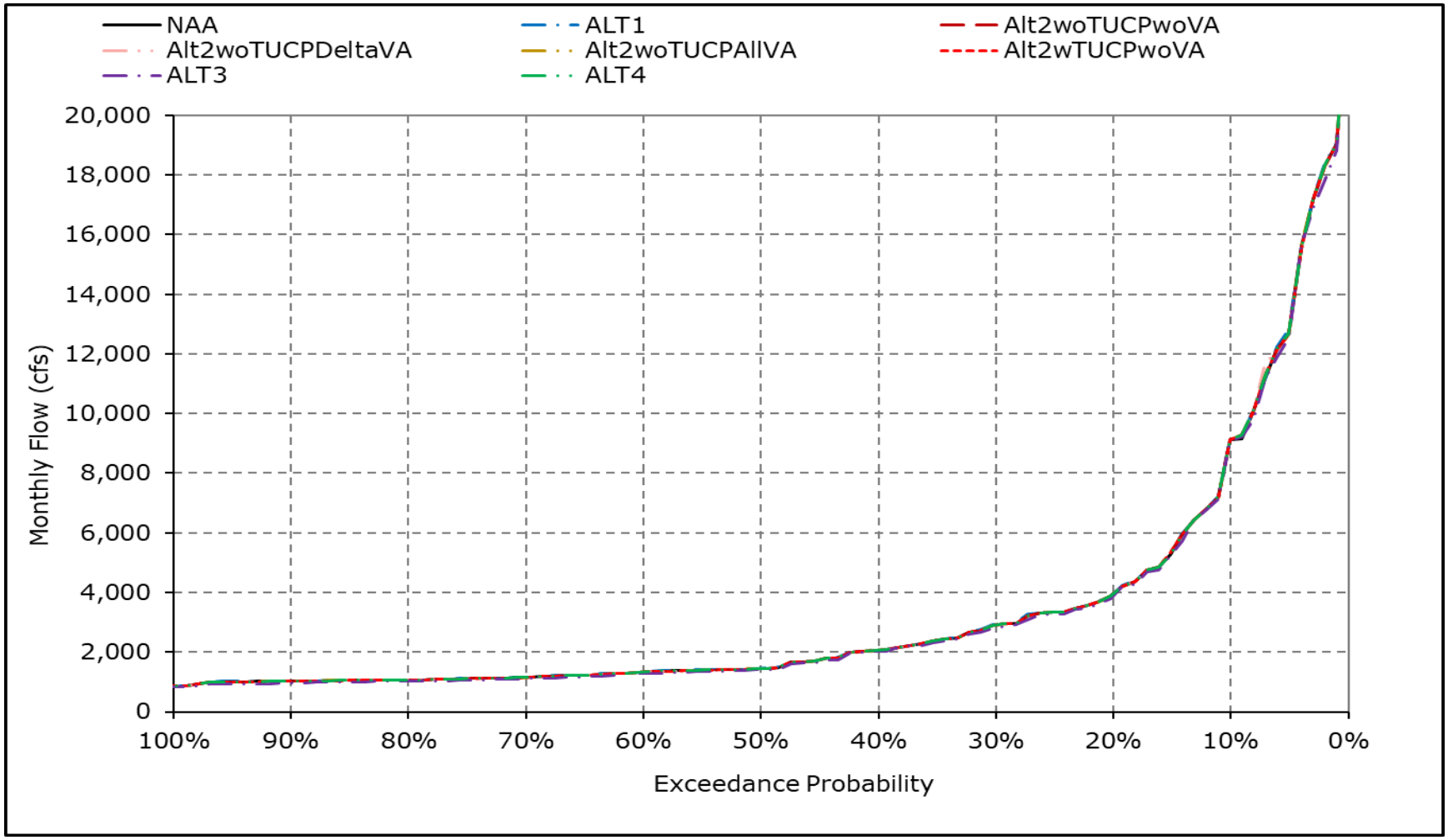
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-9. San Joaquin River Flow below confluence with Merced , December



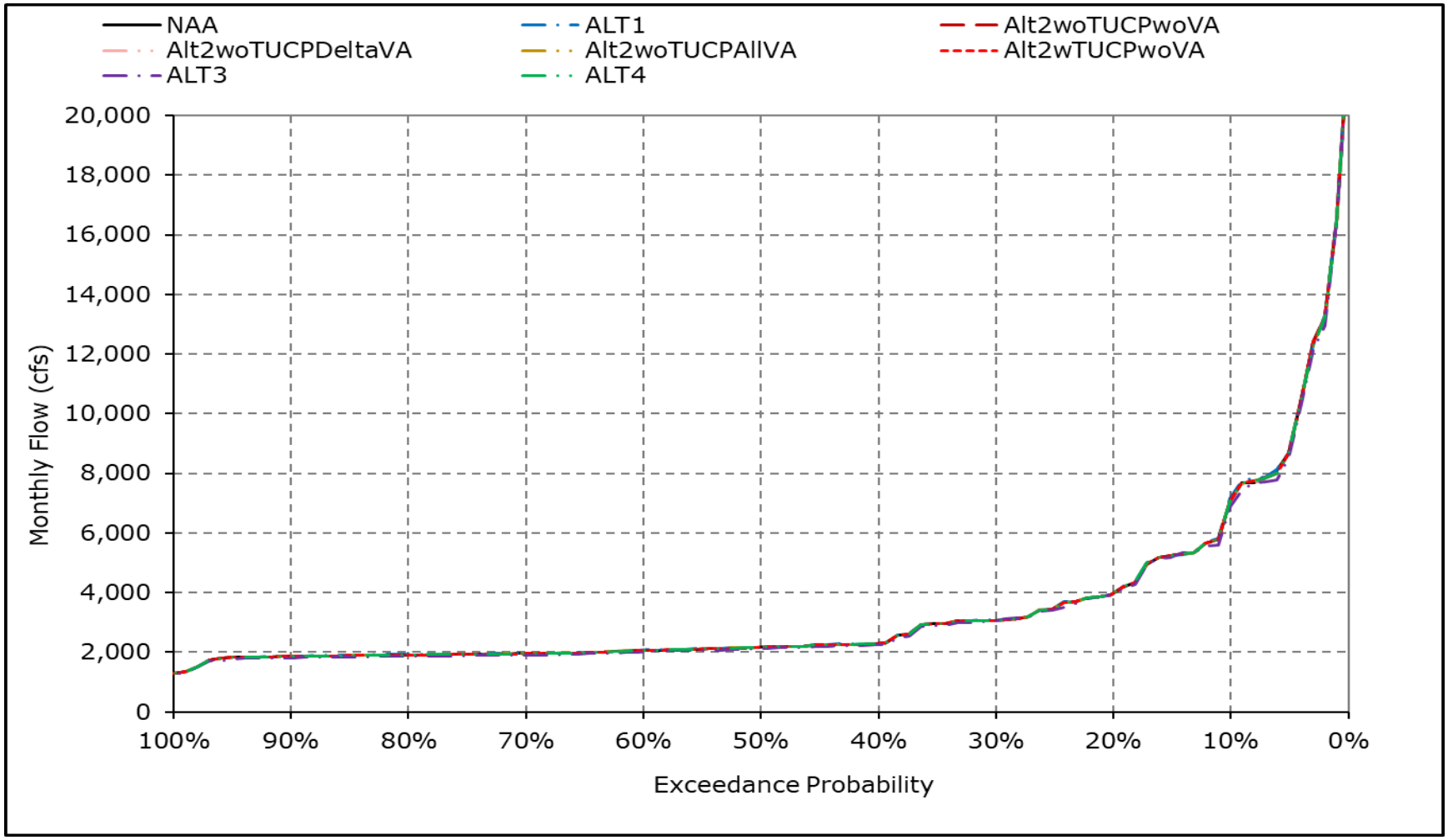
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-10. San Joaquin River Flow below confluence with Merced , January



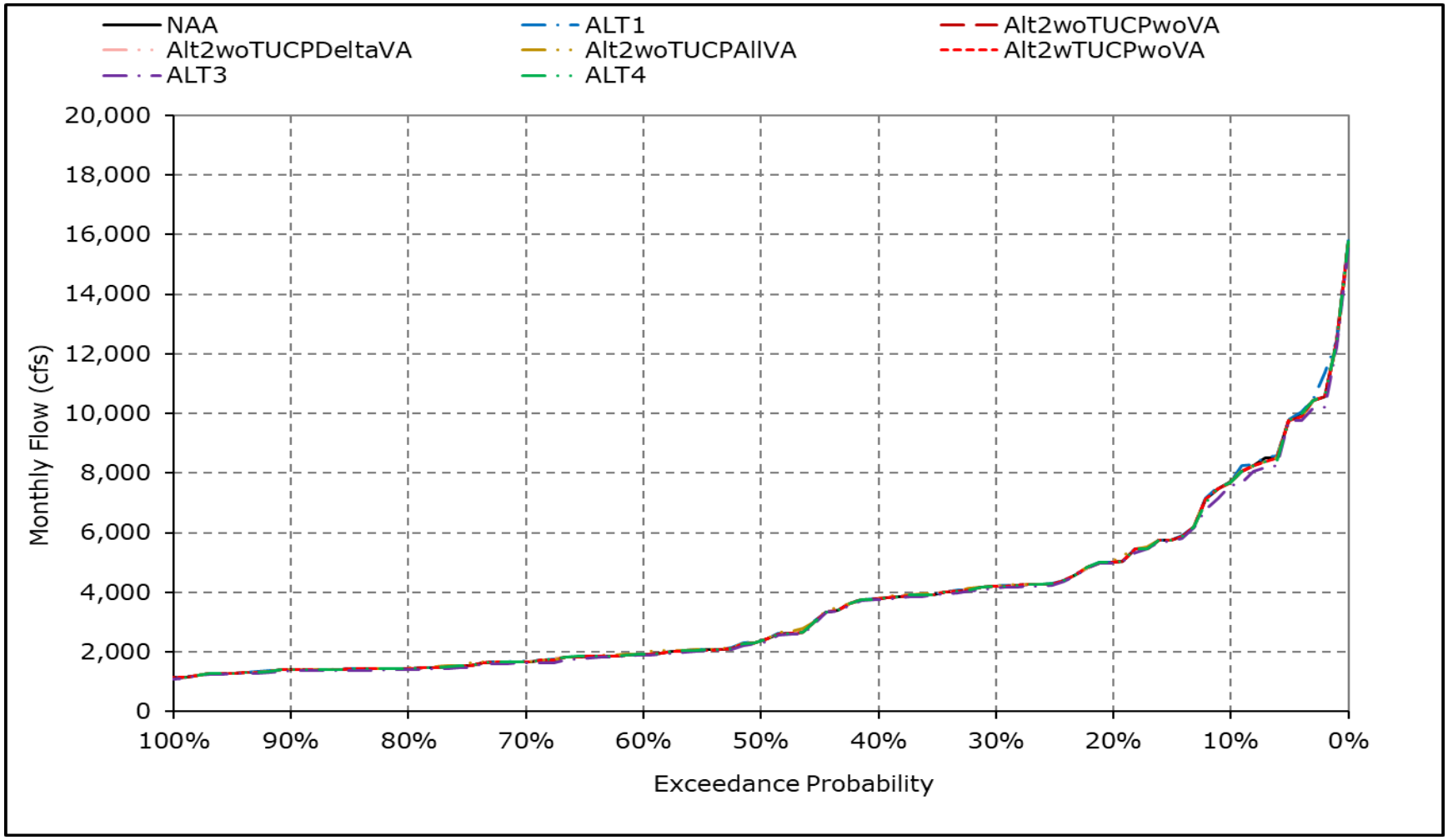
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-11. San Joaquin River Flow below confluence with Merced , February



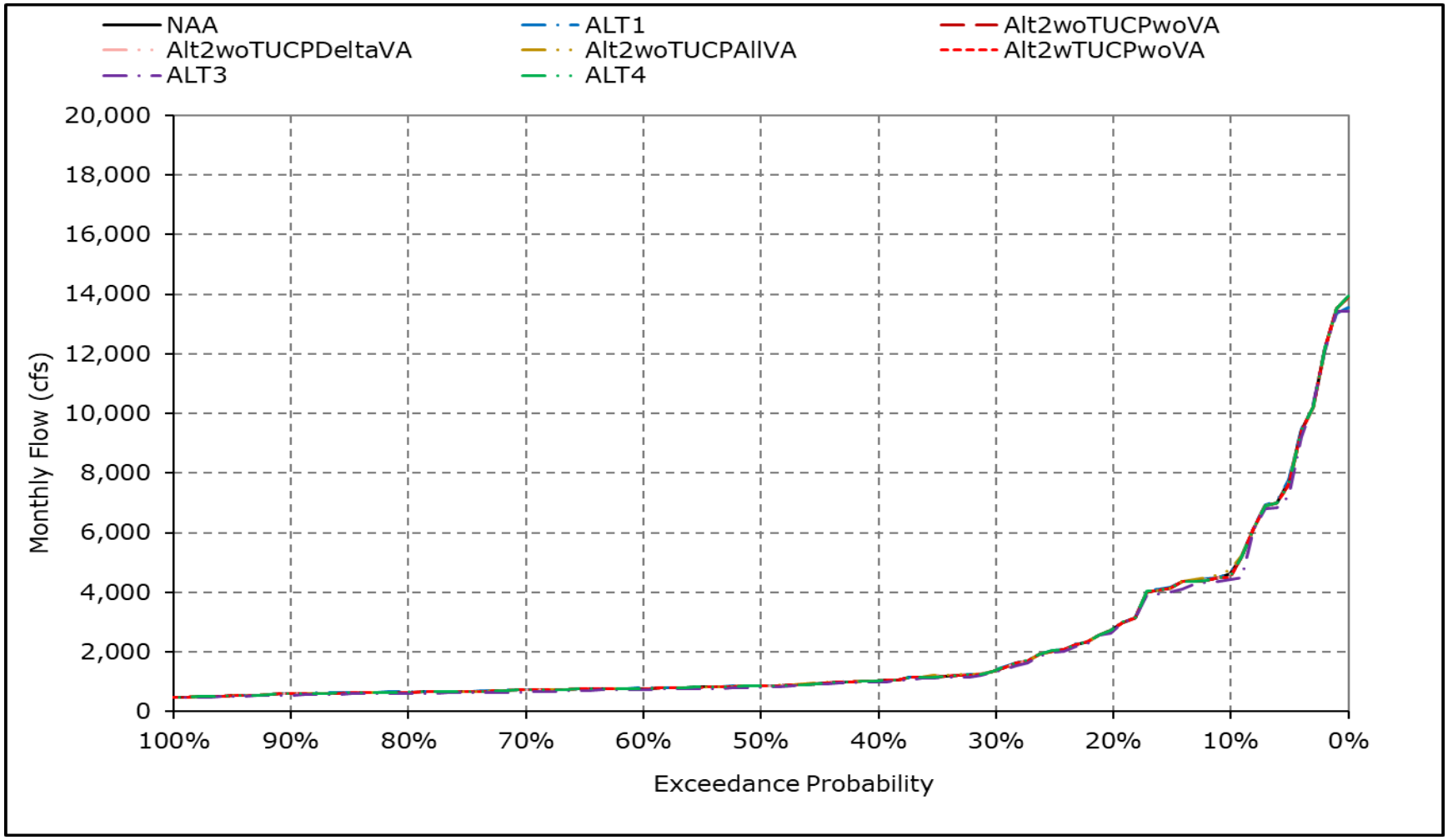
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-12. San Joaquin River Flow below confluence with Merced , March



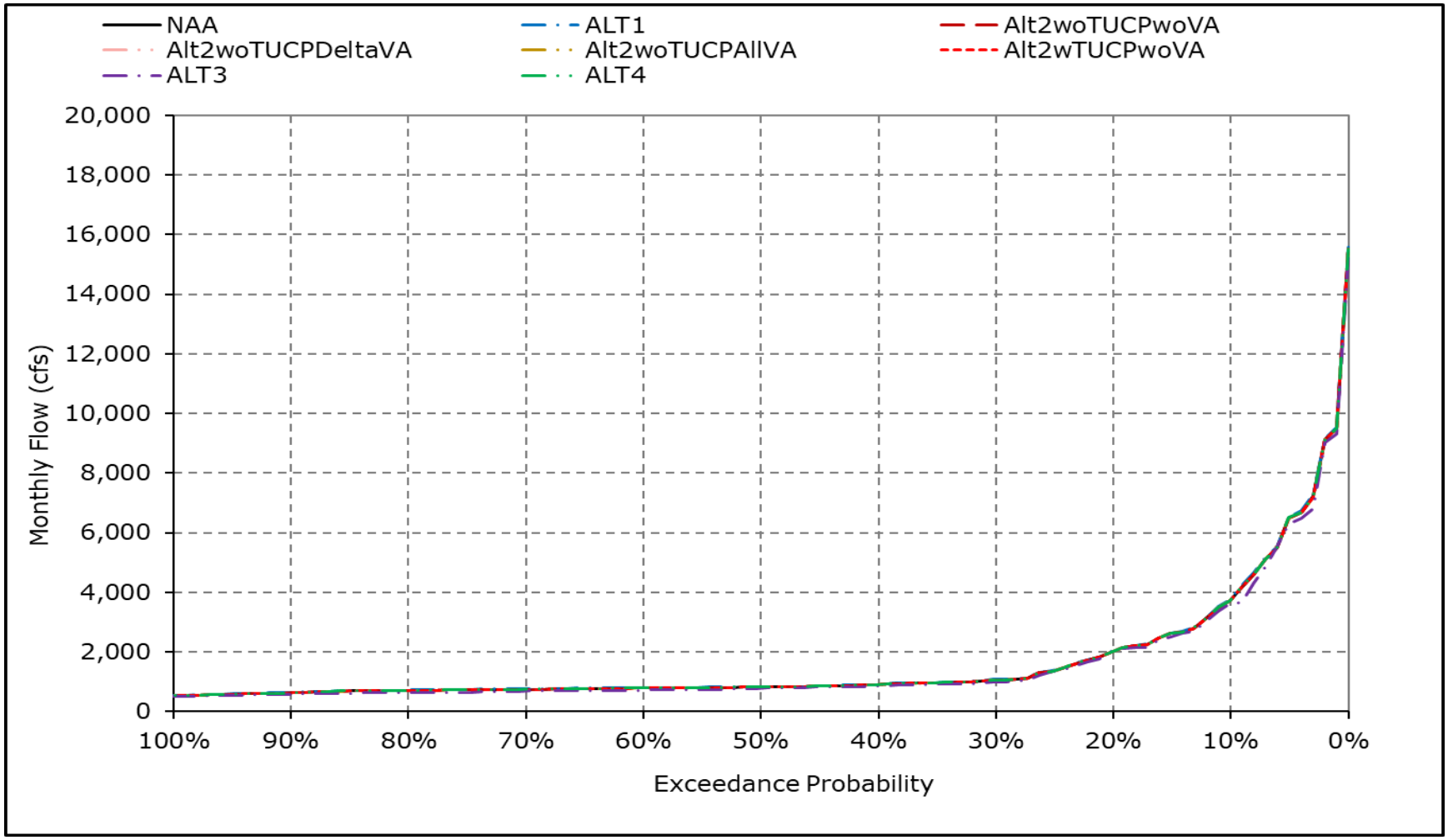
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-13. San Joaquin River Flow below confluence with Merced , April



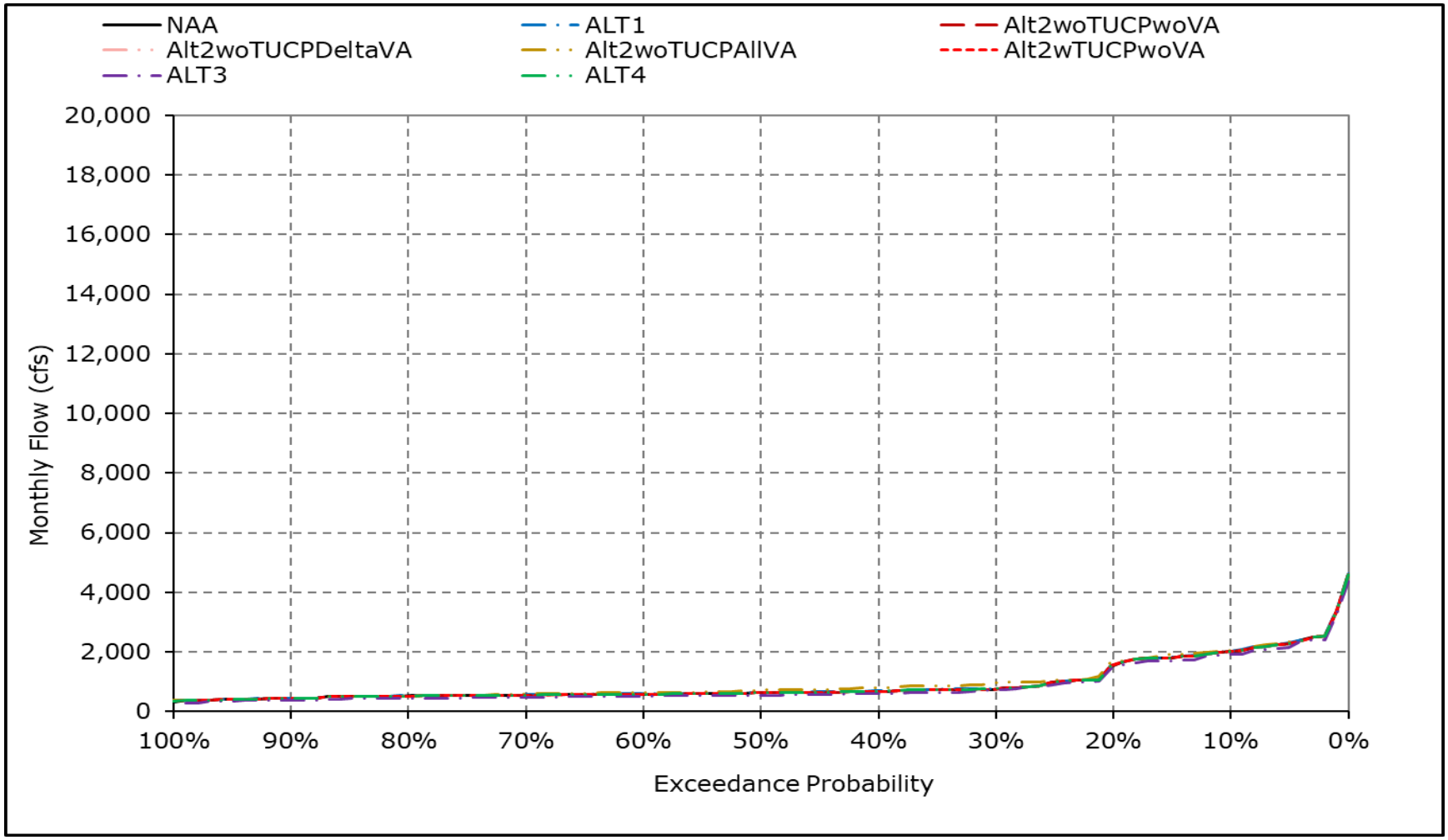
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-14. San Joaquin River Flow below confluence with Merced , May



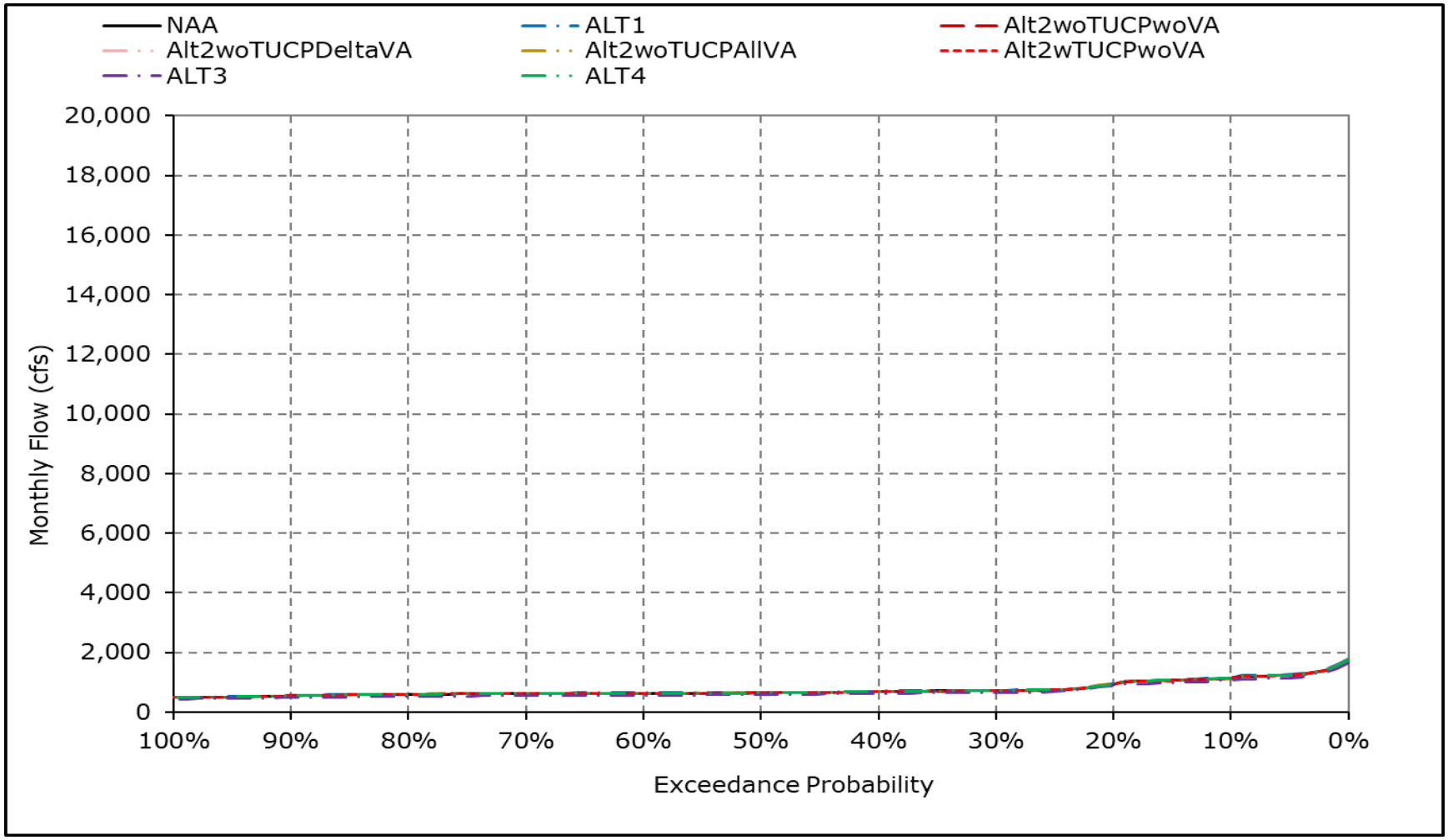
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-15. San Joaquin River Flow below confluence with Merced , June



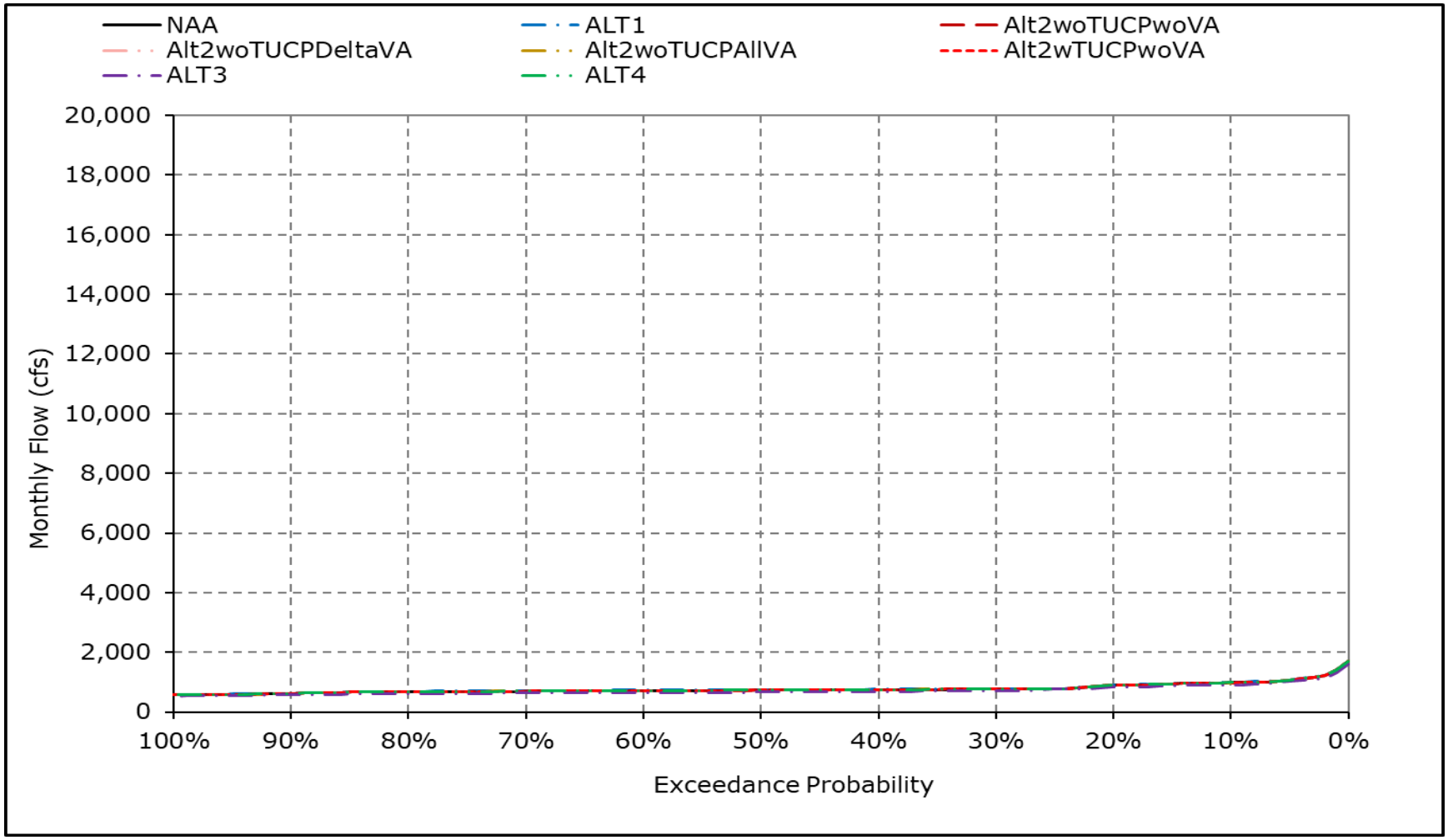
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-16. San Joaquin River Flow below confluence with Merced , July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-17. San Joaquin River Flow below confluence with Merced , August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-18. San Joaquin River Flow below confluence with Merced , September

Table F.2.2-19-1a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-1b. Stanislaus River Flow below Goodwin, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	680	400	1,096	2,275	2,701	2,768	1,500	1,867	1,184	300	300	1,446
20% Exceedance	350	346	391	810	1,618	1,008	1,476	1,489	731	296	298	300
30% Exceedance	324	335	344	400	959	420	1,407	1,402	633	284	284	285
40% Exceedance	281	315	319	341	468	342	1,305	1,277	455	265	283	264
50% Exceedance	250	300	300	316	343	308	1,121	1,127	258	265	283	249
60% Exceedance	194	249	249	275	314	254	909	879	255	265	283	249
70% Exceedance	160	227	230	221	256	195	715	693	255	265	283	249
80% Exceedance	138	213	216	172	195	164	597	556	255	265	283	249
90% Exceedance	119	205	205	141	142	138	456	435	255	265	283	249
Full Simulation Period Average[a]	316	393	550	813	1,068	769	1,099	1,196	533	276	394	434
Wet Water Years (22%)	672	769	928	1,531	2,353	1,692	1,643	2,156	1,021	291	783	1,053
Above Normal Water Years (12%)	291	340	743	1,376	1,374	1,179	1,265	1,330	667	281	289	277
Below Normal Water Years (15%)	263	300	381	965	1,174	745	1,191	1,152	492	277	287	270
Dry Water Years (17%)	215	264	609	378	425	419	992	951	362	268	284	256
Critical Water Years (34%)	165	273	269	301	402	213	701	671	275	267	283	251

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-1c. Stanislaus River Flow below Goodwin, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-116	141	90	-229	124	418	-53	49	244	0	-30	94
20% Exceedance	-447	146	184	56	44	-320	-77	-66	-209	-4	-2	0
30% Exceedance	-451	135	144	168	84	-144	-146	160	270	19	1	35
40% Exceedance	-493	115	119	116	233	142	-95	35	92	0	0	14
50% Exceedance	-455	100	100	90	114	108	354	497	3	0	0	0
60% Exceedance	-441	49	49	55	93	54	440	249	0	0	0	0
70% Exceedance	-417	27	30	8	35	-5	255	293	0	0	0	0
80% Exceedance	-439	13	16	-41	-19	-36	137	156	0	0	0	0
90% Exceedance	-458	5	5	-72	-72	-62	-4	35	0	0	0	0
Full Simulation Period Average[a]	-400	87	56	-25	89	-32	74	118	93	3	-18	4
Wet Water Years (22%)	-240	112	84	-236	198	-210	-79	-115	59	-9	-86	-13
Above Normal Water Years (12%)	-483	99	78	67	120	29	-223	88	303	16	6	17
Below Normal Water Years (15%)	-511	100	24	-85	-34	-43	-166	-90	129	12	4	20
Dry Water Years (17%)	-420	64	52	105	104	88	362	320	106	3	1	7
Critical Water Years (34%)	-412	73	45	40	55	6	240	271	19	1	0	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-2a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-2b. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	951	1,479
20% Exceedance	774	200	241	753	1,565	1,217	1,537	1,242	363	265	286	250
30% Exceedance	774	200	200	200	905	447	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	396	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	527	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	906	657	889	1,619	2,155	1,783	1,744	2,301	782	289	941	1,096
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	440	345	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	365	374	390	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-2c. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-11	161	-61	224	0	-17	47	0	0	621	127
20% Exceedance	-23	0	34	0	-9	-112	-17	-313	-577	-35	-14	-50
30% Exceedance	0	0	0	-32	30	-116	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	160	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	0	33	-39	67	-33	-81	-32	-6	34	52	8
Wet Water Years (22%)	-7	0	45	-148	0	-119	21	30	-180	-11	72	30
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	30	-63	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	74	2	120	15	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	87	0	0	0	110	108	107	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-3a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-3b. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	951	1,479
20% Exceedance	774	200	241	753	1,565	1,217	1,537	1,242	363	265	286	250
30% Exceedance	774	200	200	200	905	447	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	404	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	528	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	904	658	890	1,619	2,155	1,783	1,744	2,301	782	289	941	1,096
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	441	346	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	247	435	208	460	400	365	374	390	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-3c. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-10	161	-61	224	0	-17	47	0	0	621	127
20% Exceedance	-23	0	34	0	-9	-112	-17	-313	-577	-35	-14	-50
30% Exceedance	0	0	0	-32	30	-116	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	169	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	1	33	-39	67	-33	-81	-32	-6	34	52	8
Wet Water Years (22%)	-9	1	46	-148	0	-119	22	30	-180	-11	72	30
Above Normal Water Years (12%)	0	3	13	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	30	-63	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	74	2	120	15	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	88	0	0	0	110	108	107	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-4a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-4b. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	823	1,479
20% Exceedance	774	200	241	812	1,565	1,233	1,537	1,242	363	265	283	250
30% Exceedance	774	200	200	200	944	478	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	432	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	307	528	806	1,048	781	944	1,047	422	295	452	438
Wet Water Years (22%)	905	659	890	1,618	2,153	1,784	1,744	2,307	782	289	941	1,097
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,038	1,253	802	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	317	447	351	486	509	255	265	283	249
Critical Water Years (34%)	577	200	227	247	435	208	460	400	329	338	355	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-4c. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-10	162	-61	224	0	-17	47	0	0	493	127
20% Exceedance	-23	0	34	58	-9	-95	-17	-313	-577	-35	-17	-50
30% Exceedance	0	0	0	-32	69	-86	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	196	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	1	33	-32	70	-20	-81	-31	-18	22	40	8
Wet Water Years (22%)	-7	2	46	-149	-3	-118	22	36	-180	-11	72	31
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-11	45	13	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	75	44	126	20	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-13	88	0	0	0	73	71	72	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-5a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-5b. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	823	1,479
20% Exceedance	774	200	241	811	1,565	1,233	1,537	1,242	363	265	283	250
30% Exceedance	774	200	200	200	944	478	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	420	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	527	806	1,048	782	944	1,047	422	295	452	438
Wet Water Years (22%)	906	657	889	1,619	2,155	1,785	1,744	2,307	782	289	941	1,097
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,253	802	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	317	447	351	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	329	338	355	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-5c. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-10	162	-61	224	0	-17	47	0	0	493	127
20% Exceedance	-23	0	34	58	-9	-95	-17	-313	-577	-35	-17	-50
30% Exceedance	0	0	0	-32	69	-86	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	184	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	1	33	-32	70	-20	-81	-31	-18	22	40	8
Wet Water Years (22%)	-7	0	45	-148	0	-117	21	36	-180	-11	72	31
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	45	13	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	75	44	126	20	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	87	0	0	0	73	71	72	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-6a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-6b. Stanislaus River Flow below Goodwin, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	204	698	2,382	2,480	2,261	2,181	3,028	1,318	300	300	423
20% Exceedance	774	200	200	723	1,958	1,504	1,833	2,143	951	265	283	250
30% Exceedance	774	200	200	228	1,425	1,260	1,553	1,451	458	265	283	250
40% Exceedance	774	200	200	226	881	982	1,547	1,242	363	265	283	250
50% Exceedance	636	200	200	226	477	577	1,344	1,240	363	265	283	249
60% Exceedance	577	200	200	217	229	200	755	631	278	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	198	459	400	255	265	283	249
Full Simulation Period Average[a]	712	305	398	796	1,196	990	1,228	1,309	603	271	335	405
Wet Water Years (22%)	922	670	691	1,644	2,760	2,206	2,138	2,785	1,489	289	518	960
Above Normal Water Years (12%)	795	210	542	1,262	1,185	1,236	1,474	1,468	485	265	283	250
Below Normal Water Years (15%)	746	200	286	996	1,590	940	1,399	1,315	437	265	283	250
Dry Water Years (17%)	605	200	393	258	521	775	1,188	968	335	265	283	249
Critical Water Years (34%)	577	200	200	262	351	245	496	466	277	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-6c. Stanislaus River Flow below Goodwin, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-56	-308	-122	-98	-89	628	1,211	378	0	-30	-928
20% Exceedance	-23	0	-7	-30	384	176	279	588	11	-35	-17	-50
30% Exceedance	0	0	0	-5	549	696	0	209	94	0	0	0
40% Exceedance	0	0	0	0	645	782	147	0	0	0	0	0
50% Exceedance	-69	0	0	0	249	377	577	610	108	0	0	0
60% Exceedance	-58	0	0	-3	7	0	286	0	22	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	-2	-1	0	0	0	0	0
Full Simulation Period Average[a]	-4	-1	-96	-43	217	188	203	231	163	-2	-77	-25
Wet Water Years (22%)	10	14	-153	-123	604	304	416	514	527	-11	-350	-106
Above Normal Water Years (12%)	21	-31	-123	-48	-69	86	-13	226	122	0	0	-10
Below Normal Water Years (15%)	-28	0	-72	-53	382	151	42	73	74	0	0	0
Dry Water Years (17%)	-31	0	-163	-15	200	445	558	337	79	0	0	0
Critical Water Years (34%)	0	0	-24	2	4	38	35	66	22	1	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-7a. Stanislaus River Flow below Goodwin, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	259	1,006	2,504	2,577	2,350	1,553	1,818	940	300	330	1,351
20% Exceedance	797	200	207	753	1,574	1,328	1,553	1,555	940	300	300	300
30% Exceedance	774	200	200	232	875	564	1,553	1,242	363	265	283	250
40% Exceedance	774	200	200	226	236	200	1,400	1,242	363	265	283	250
50% Exceedance	705	200	200	226	229	200	767	631	255	265	283	249
60% Exceedance	636	200	200	219	221	200	469	631	255	265	283	249
70% Exceedance	577	200	200	213	221	200	460	400	255	265	283	249
80% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
90% Exceedance	577	200	200	213	214	200	460	400	255	265	283	249
Full Simulation Period Average[a]	716	306	494	838	978	802	1,025	1,078	440	273	412	430
Wet Water Years (22%)	912	657	844	1,768	2,155	1,902	1,723	2,271	962	300	869	1,066
Above Normal Water Years (12%)	774	240	665	1,310	1,254	1,150	1,488	1,242	363	265	283	260
Below Normal Water Years (15%)	774	200	358	1,050	1,208	789	1,356	1,242	363	265	283	250
Dry Water Years (17%)	636	200	556	273	321	331	630	631	255	265	283	249
Critical Water Years (34%)	577	200	224	261	347	208	461	400	255	267	283	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-7b. Stanislaus River Flow below Goodwin, Alternative 4, Monthly Flow (cfs)

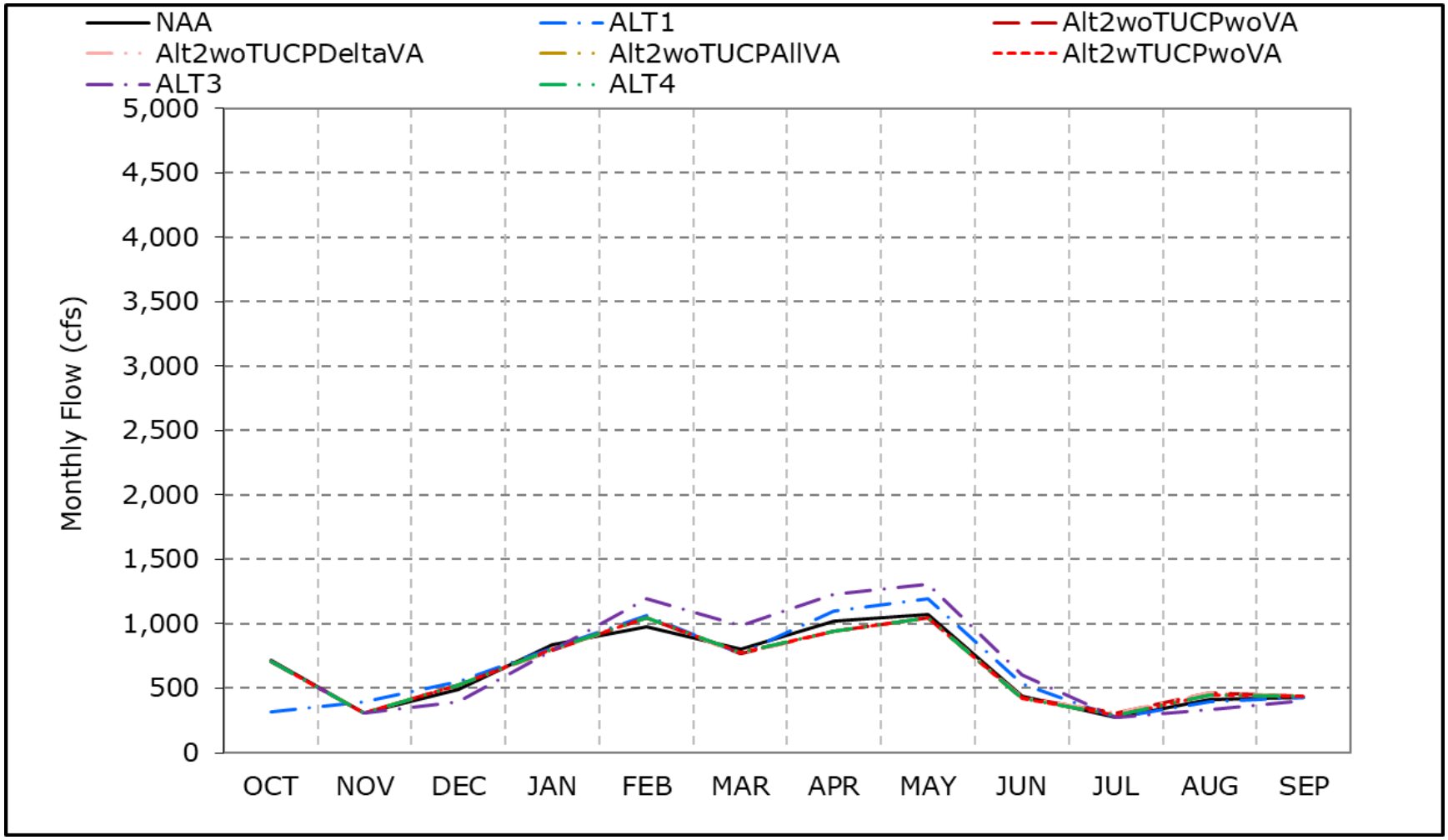
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	823	1,479
20% Exceedance	774	200	241	811	1,565	1,233	1,537	1,242	363	265	283	250
30% Exceedance	774	200	200	200	944	478	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	420	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	527	806	1,048	782	944	1,047	422	295	452	438
Wet Water Years (22%)	906	657	889	1,619	2,155	1,785	1,743	2,307	782	289	941	1,097
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,253	802	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	317	447	351	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	329	338	355	249

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-19-7c. Stanislaus River Flow below Goodwin, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

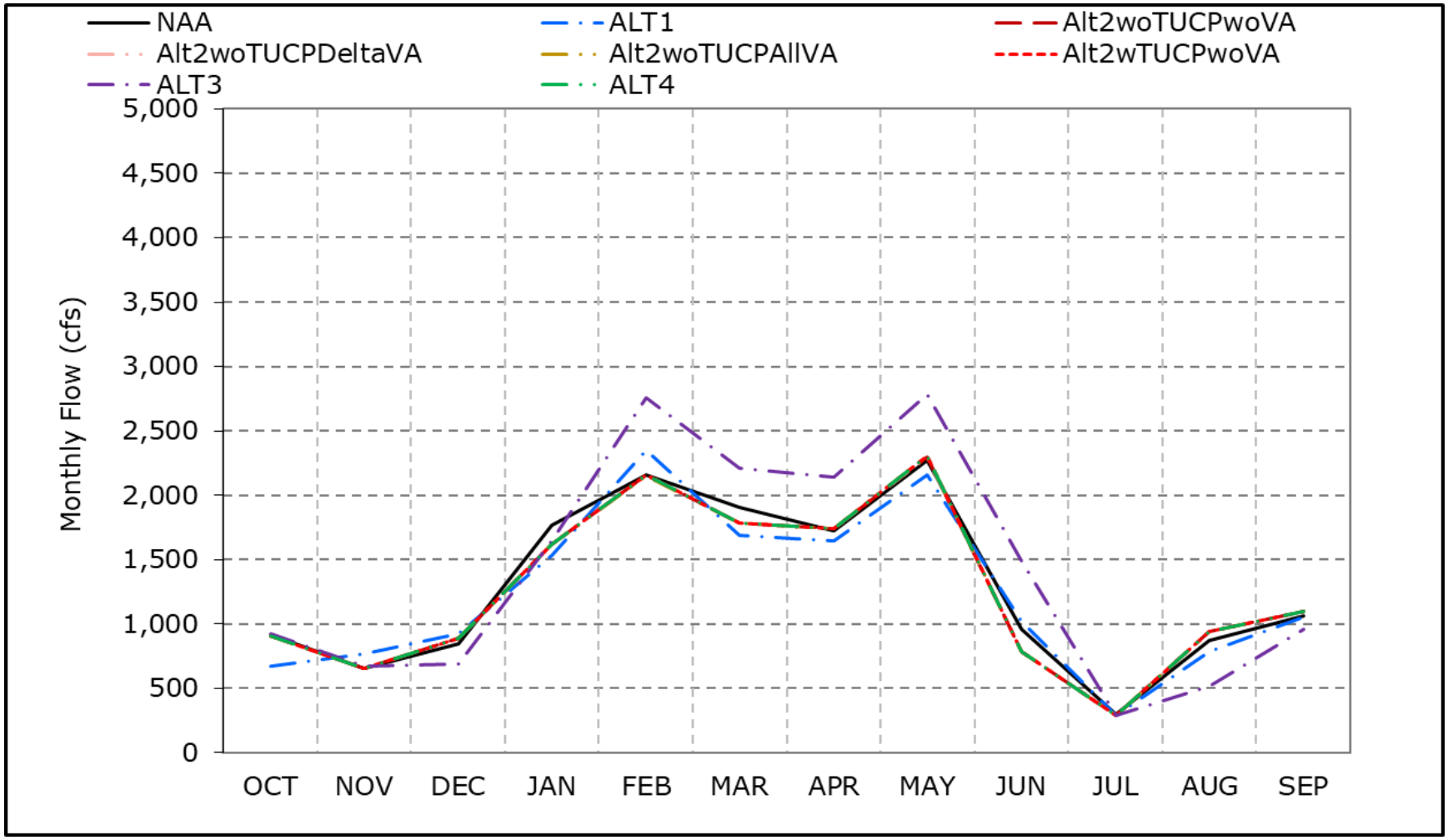
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-10	162	-61	224	0	-17	47	0	0	493	127
20% Exceedance	-23	0	34	58	-9	-95	-17	-313	-577	-35	-17	-50
30% Exceedance	0	0	0	-32	69	-86	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	184	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	1	33	-32	70	-20	-81	-31	-18	22	40	8
Wet Water Years (22%)	-6	0	45	-148	0	-117	21	36	-180	-11	72	31
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	45	13	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	75	44	126	20	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	87	0	0	0	73	71	72	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



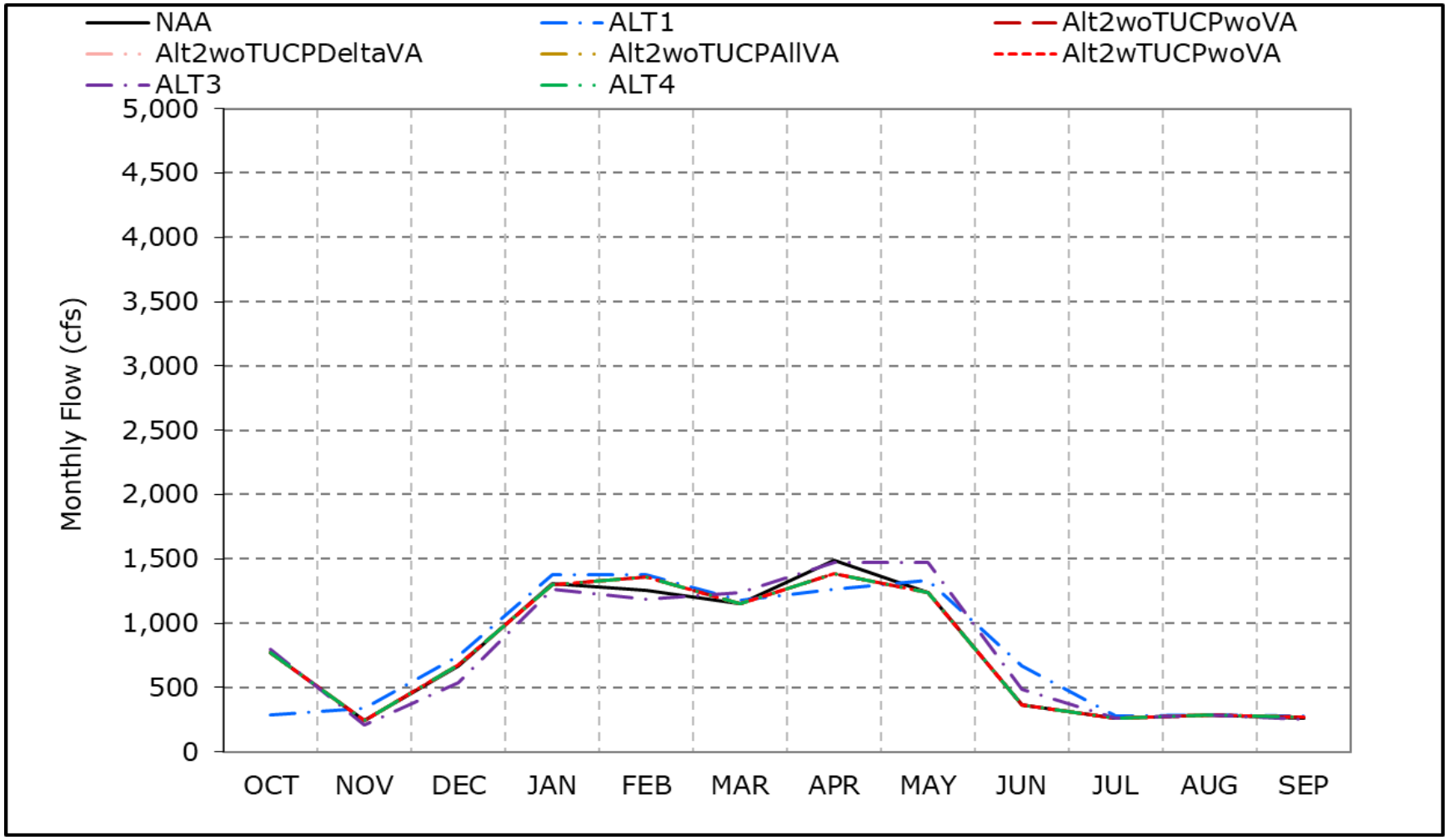
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-1. Stanislaus River Flow below Goodwin, Long-Term Average Flow



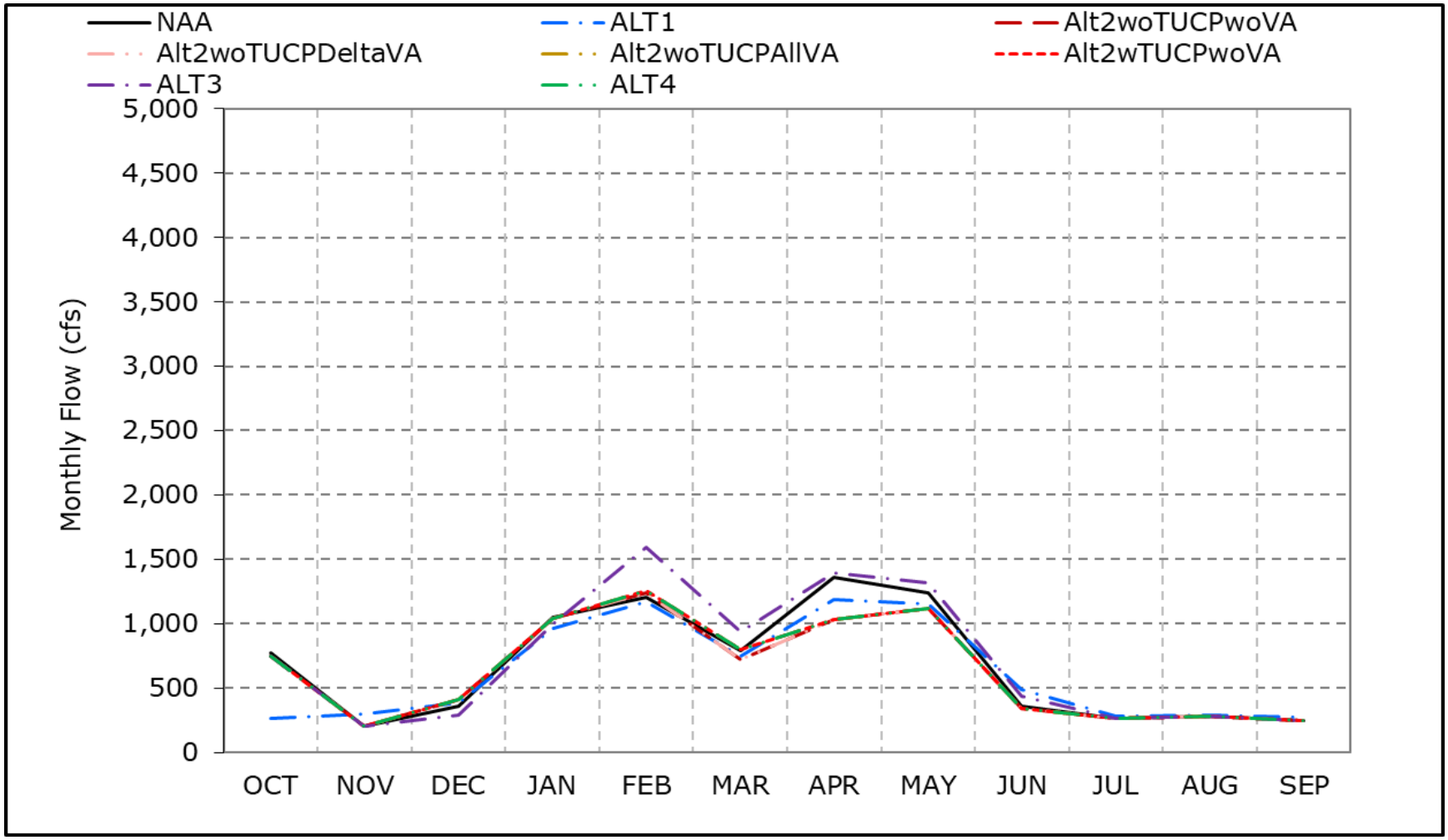
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-2. Stanislaus River Flow below Goodwin, Wet Year Average Flow



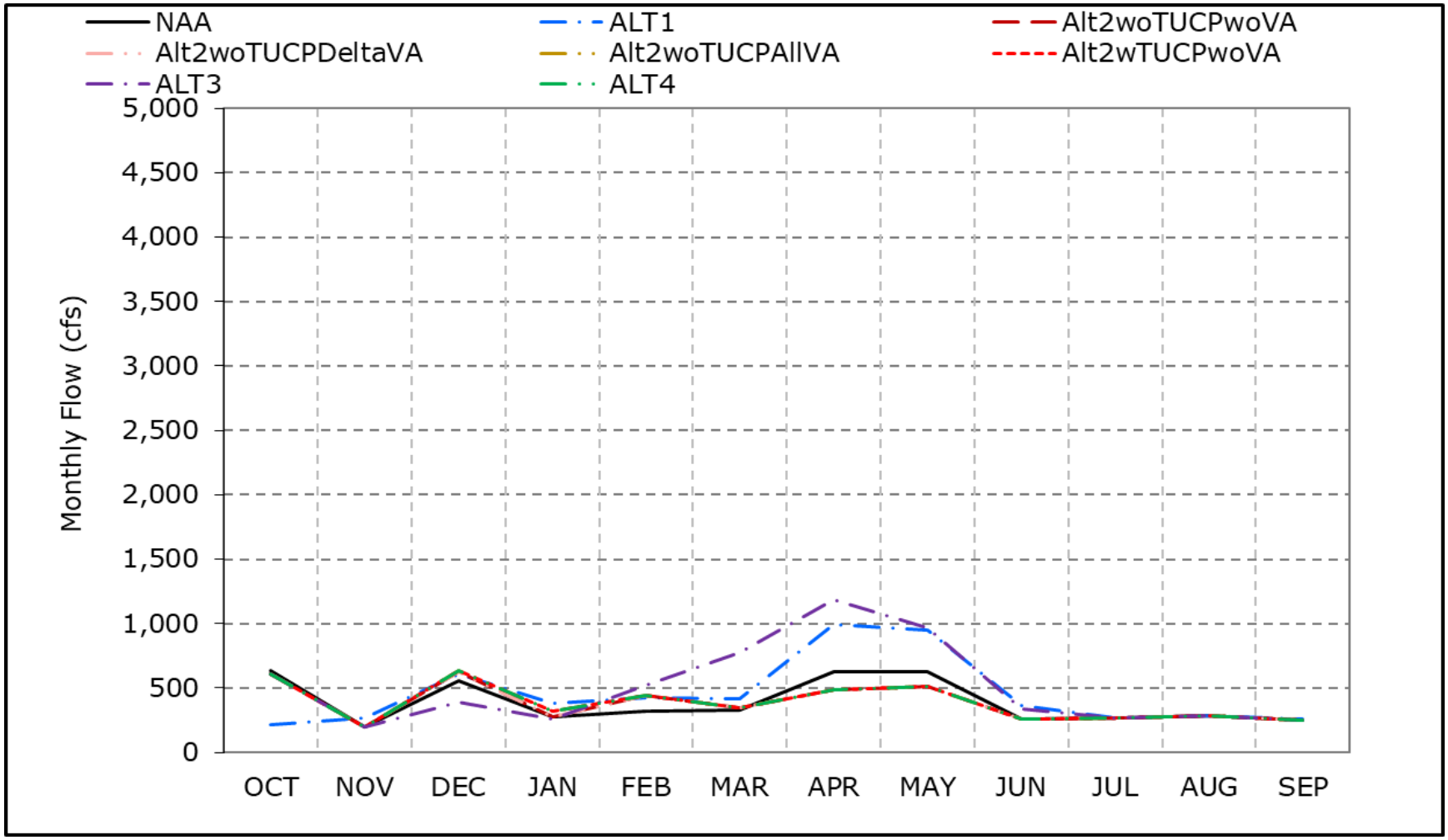
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-3. Stanislaus River Flow below Goodwin, Above Normal Year Average Flow



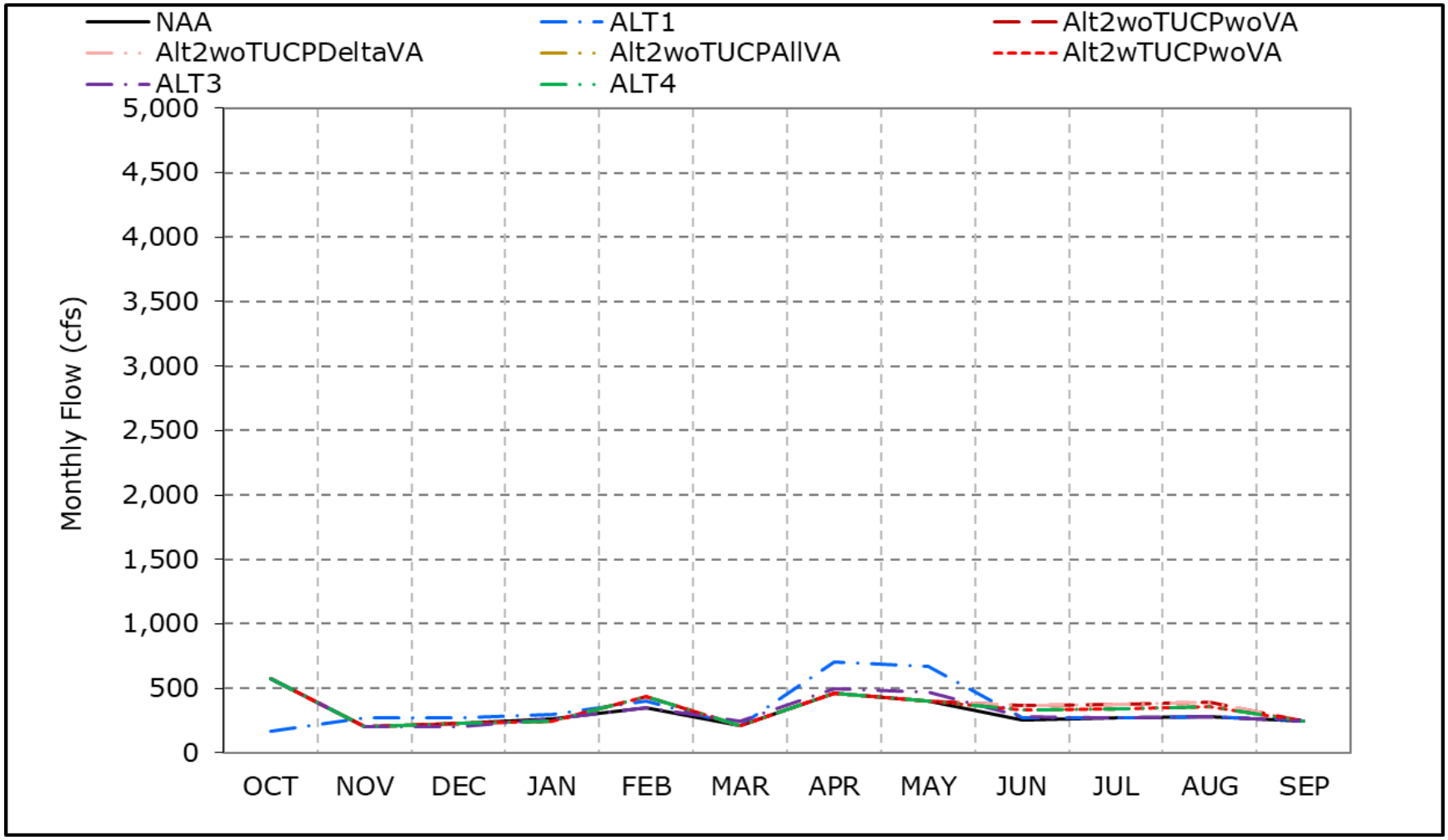
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-4. Stanislaus River Flow below Goodwin, Below Normal Year Average Flow



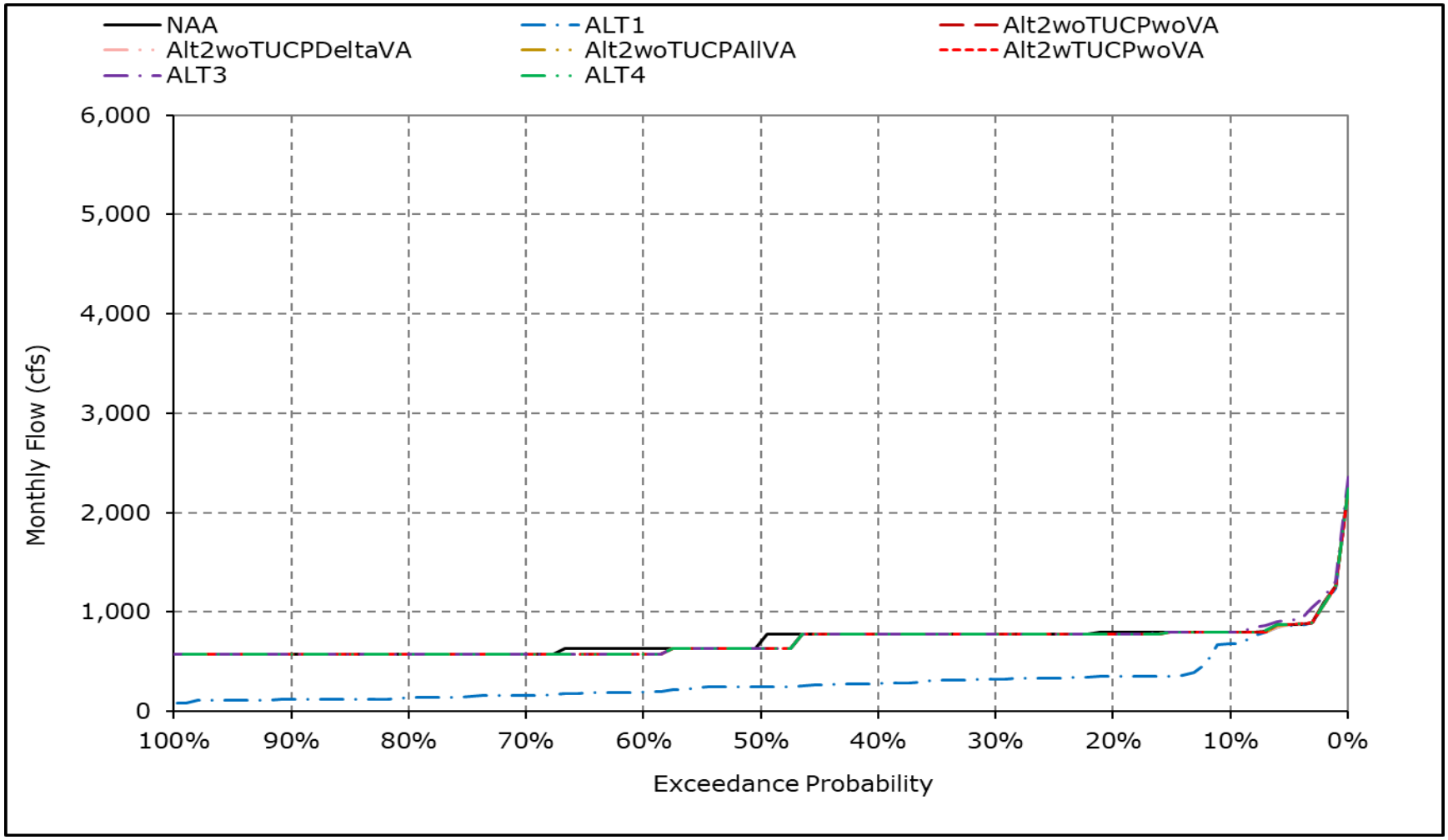
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-5. Stanislaus River Flow below Goodwin, Dry Year Average Flow



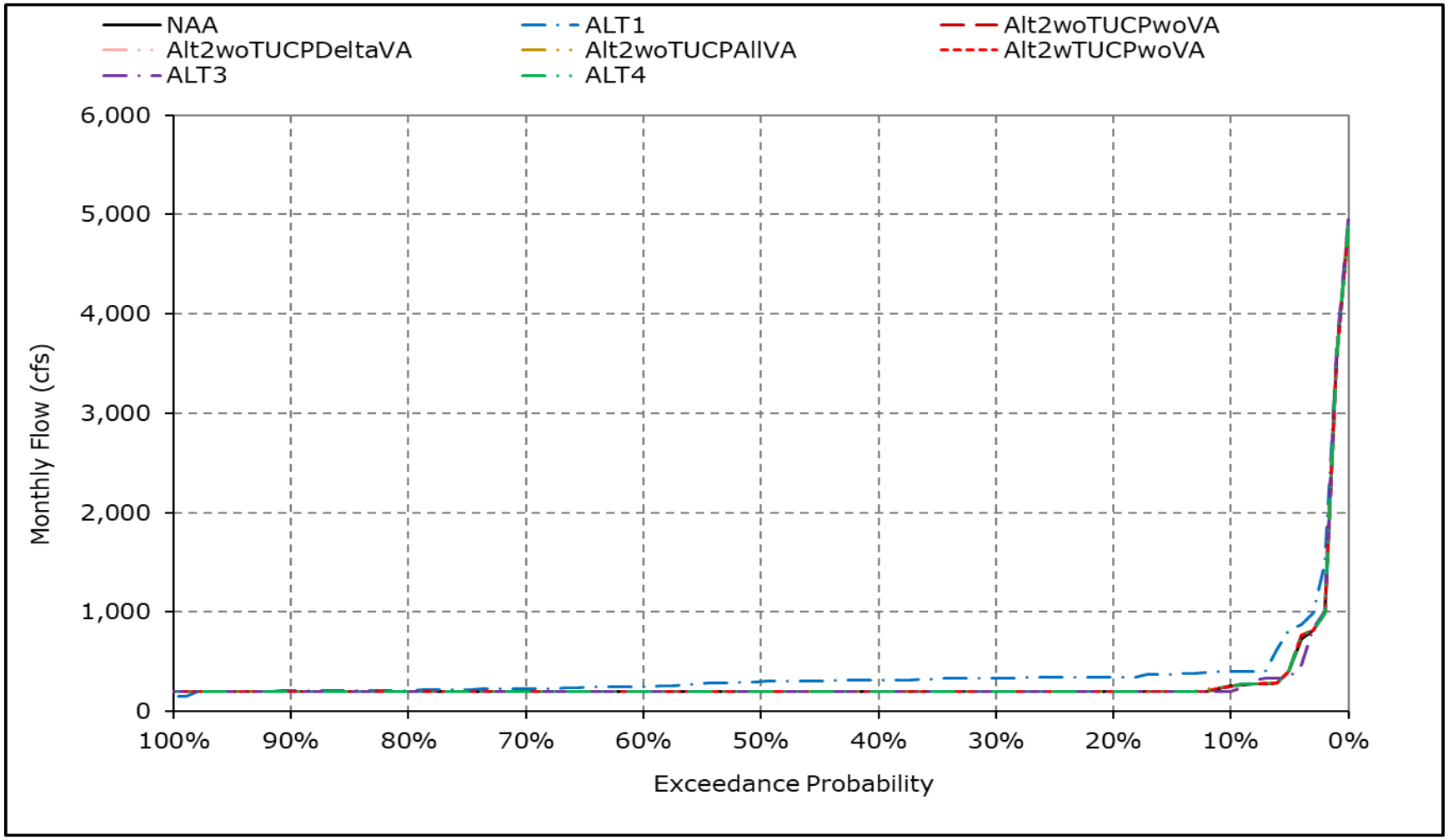
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-6. Stanislaus River Flow below Goodwin, Critical Year Average Flow



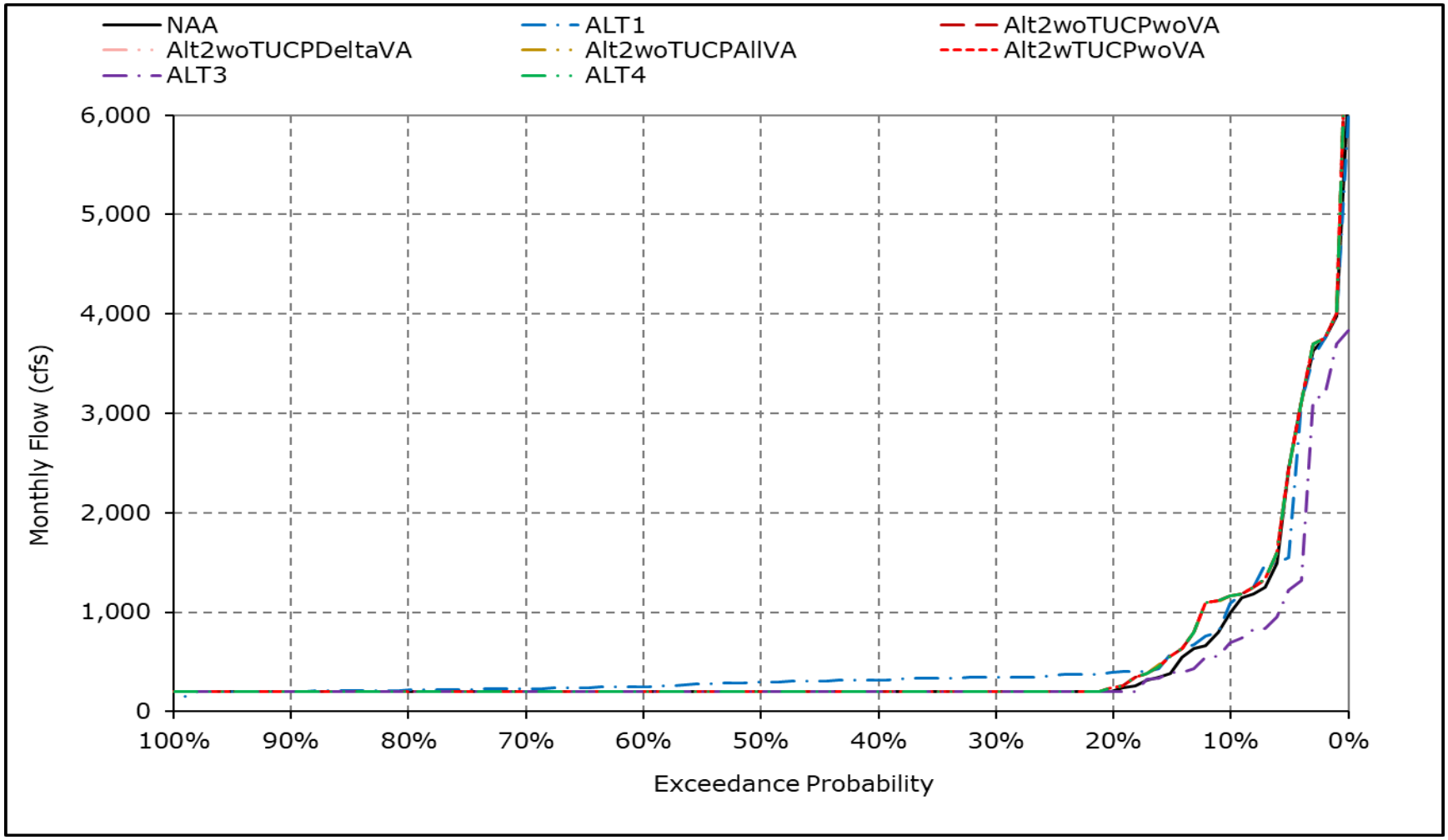
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-7. Stanislaus River Flow below Goodwin, October



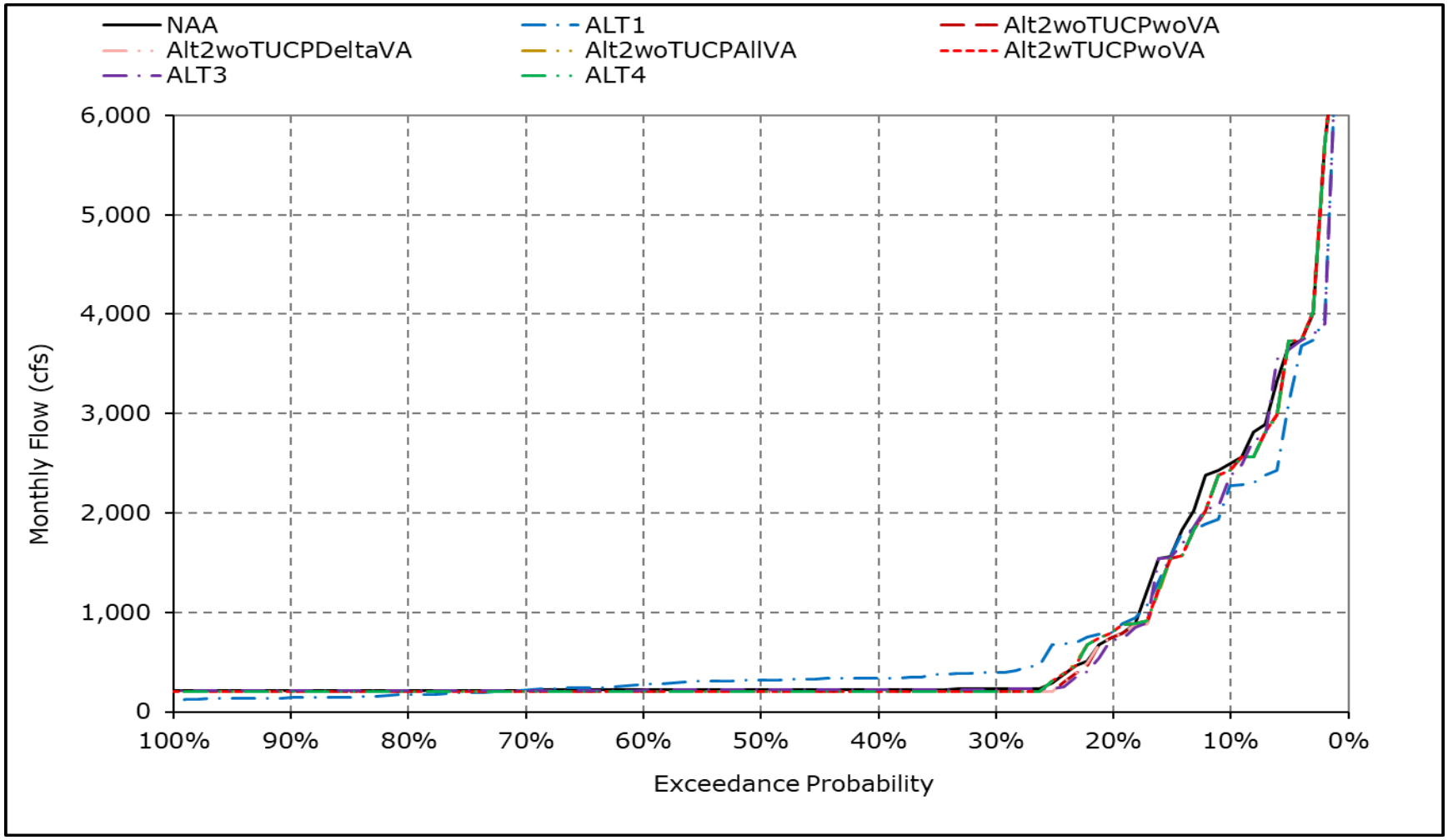
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-8. Stanislaus River Flow below Goodwin, November



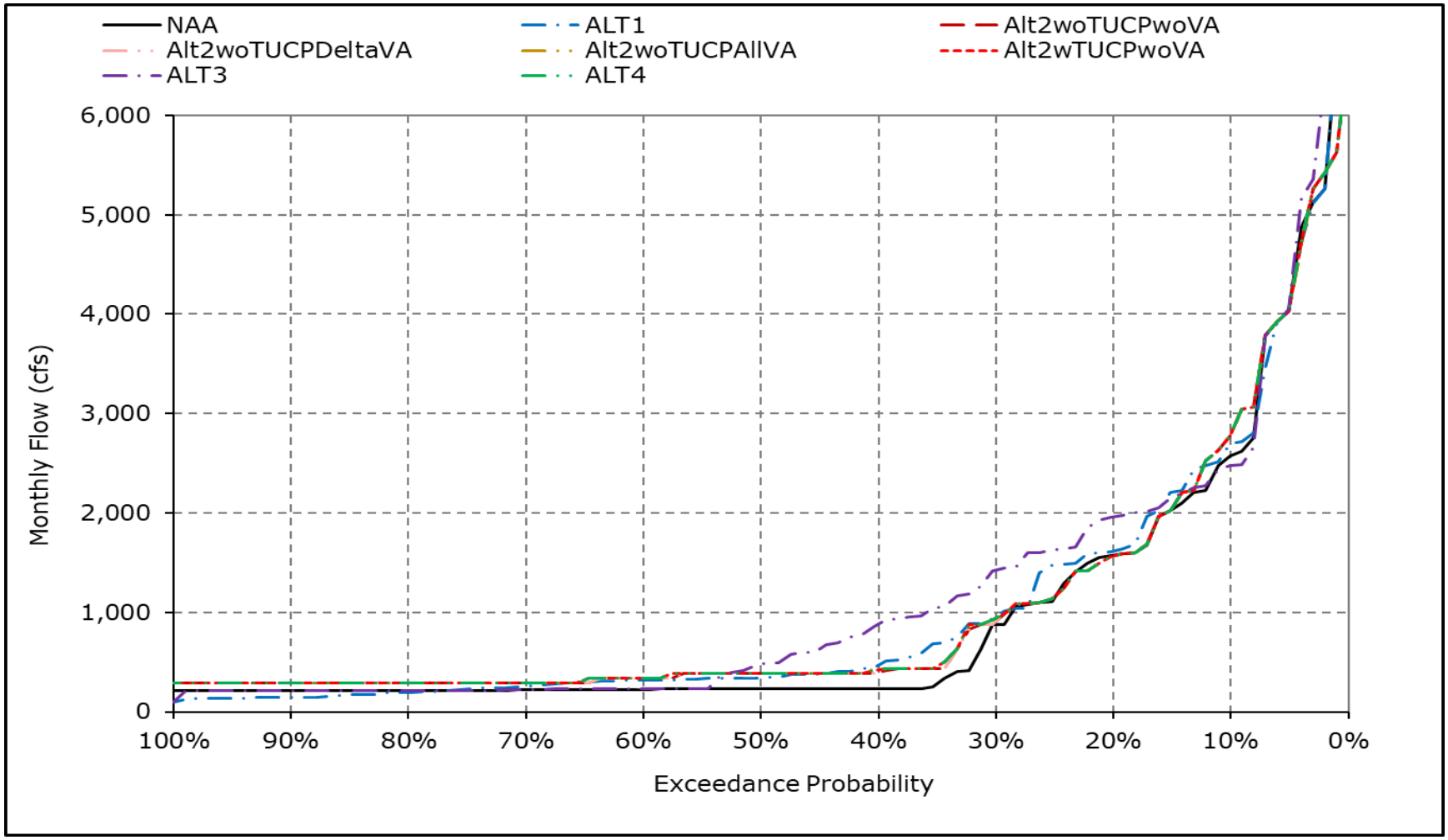
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-9. Stanislaus River Flow below Goodwin, December



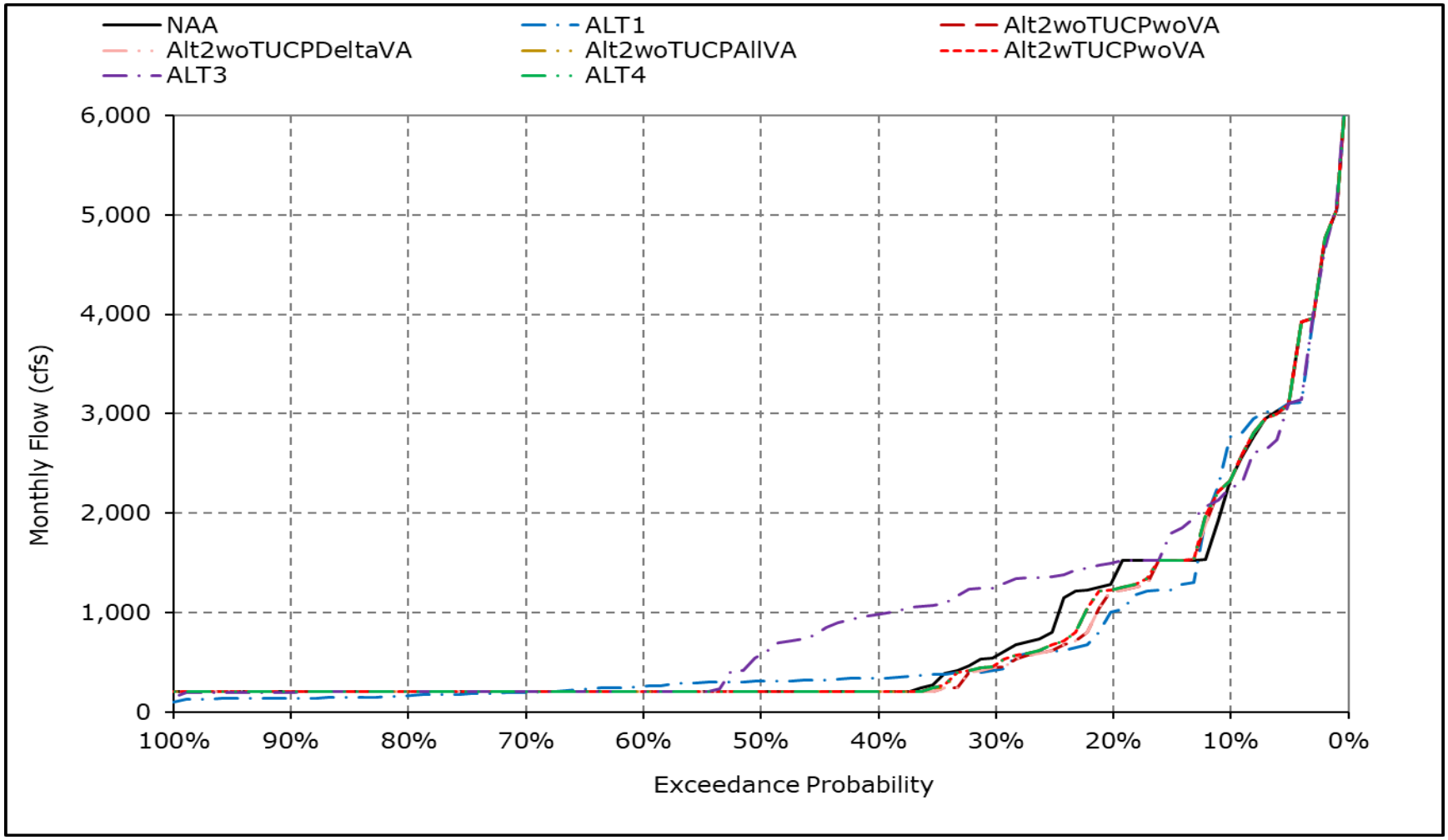
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-10. Stanislaus River Flow below Goodwin, January



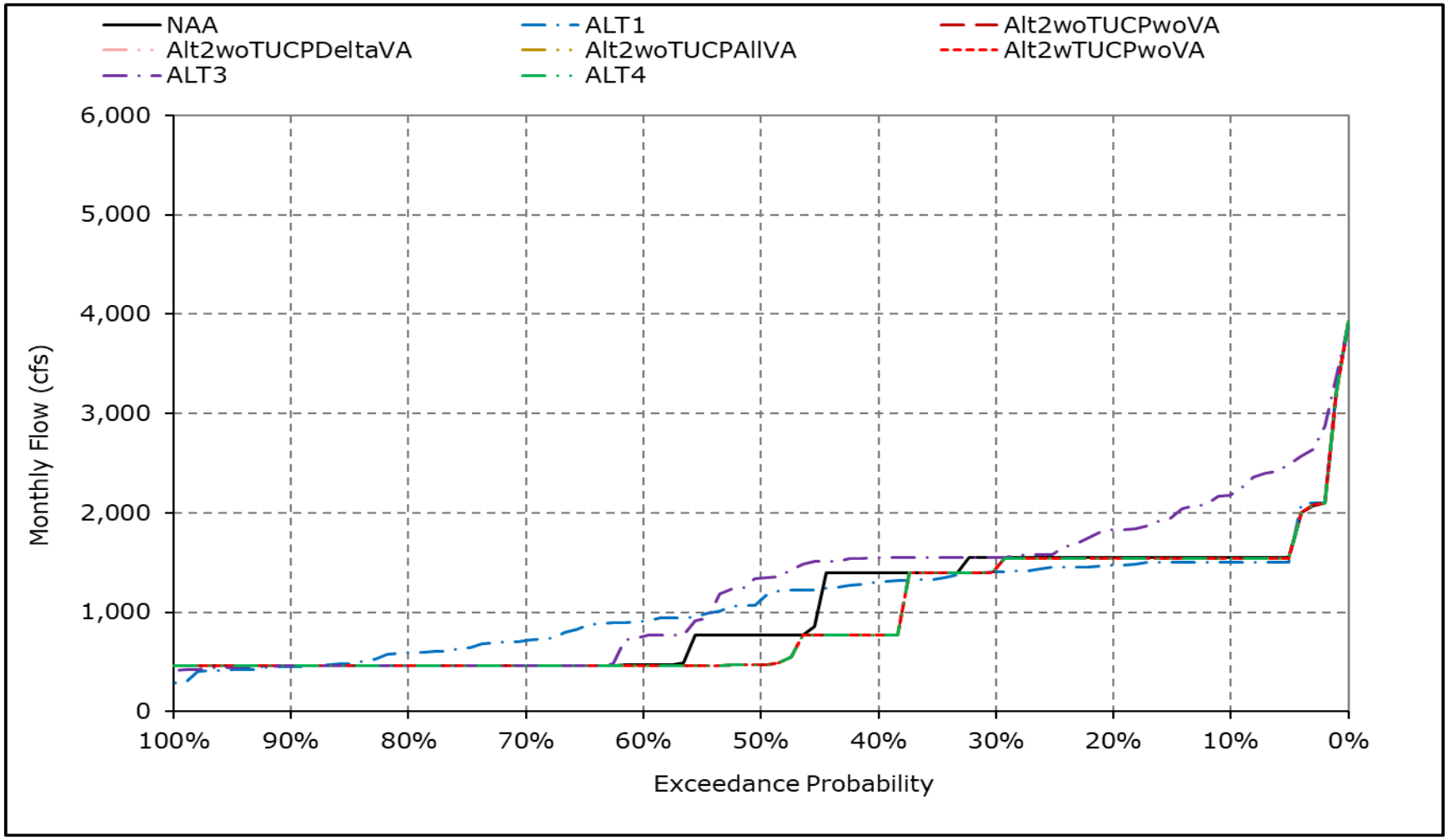
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-11. Stanislaus River Flow below Goodwin, February



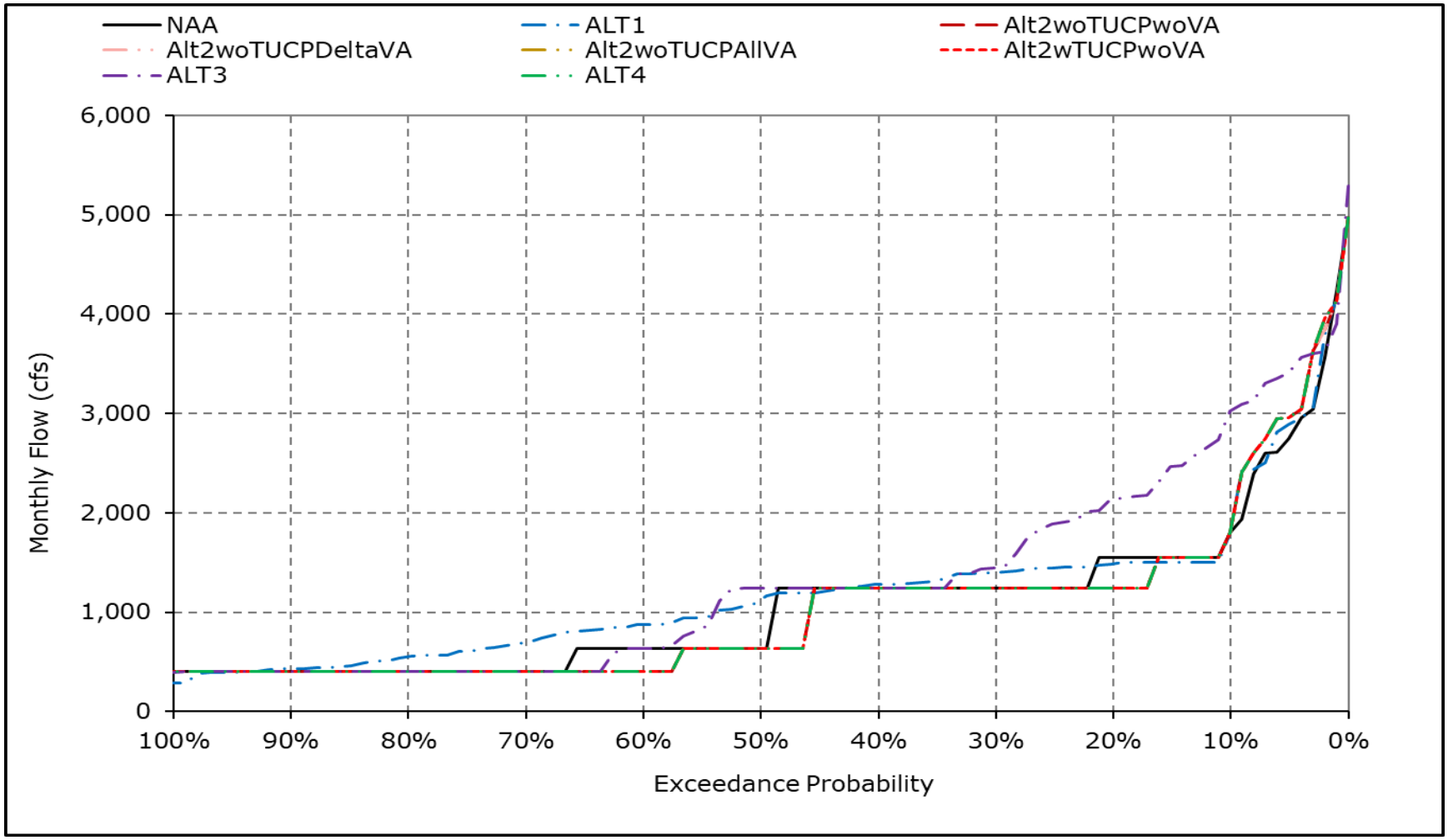
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-12. Stanislaus River Flow below Goodwin, March



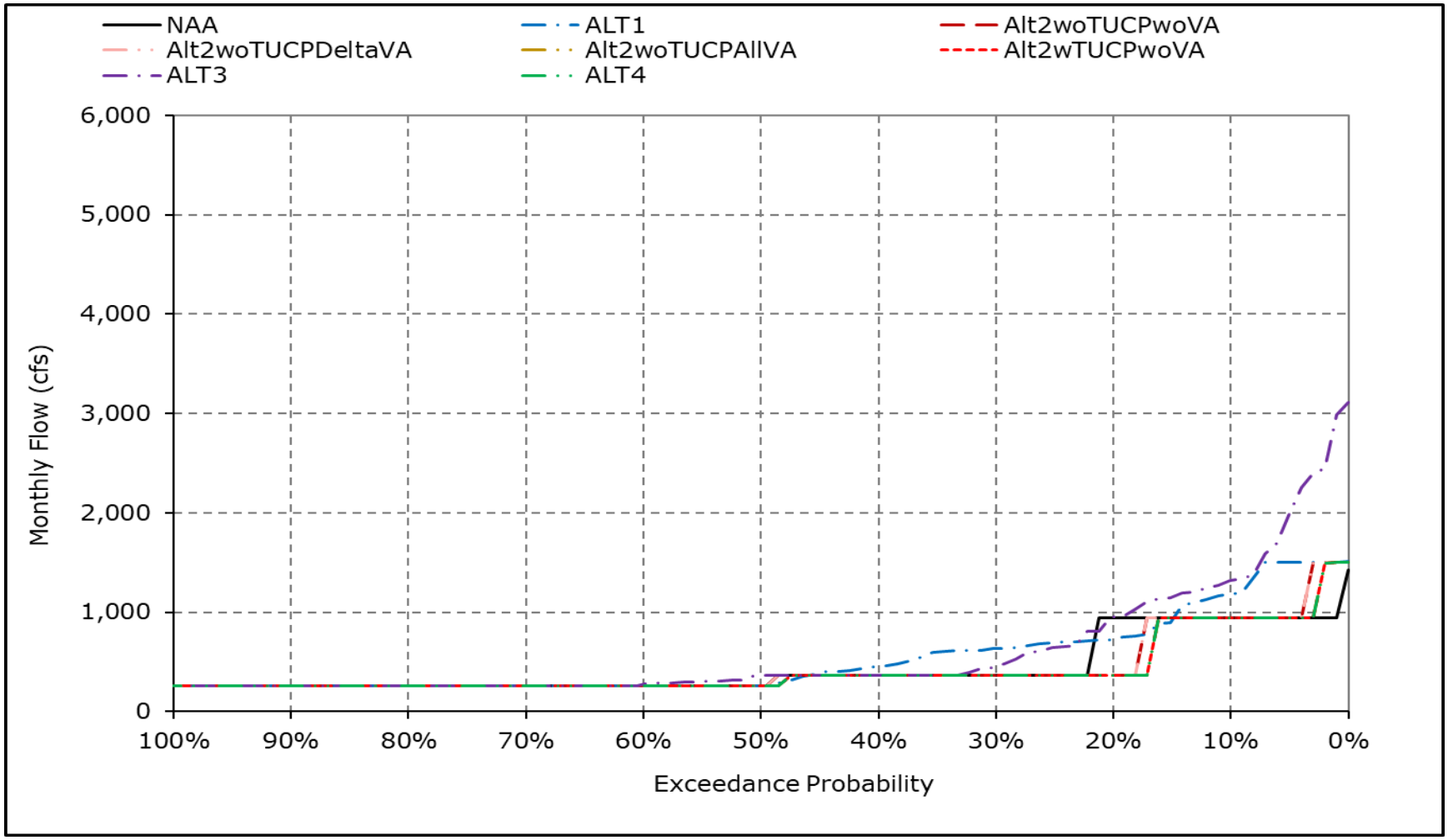
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-13. Stanislaus River Flow below Goodwin, April



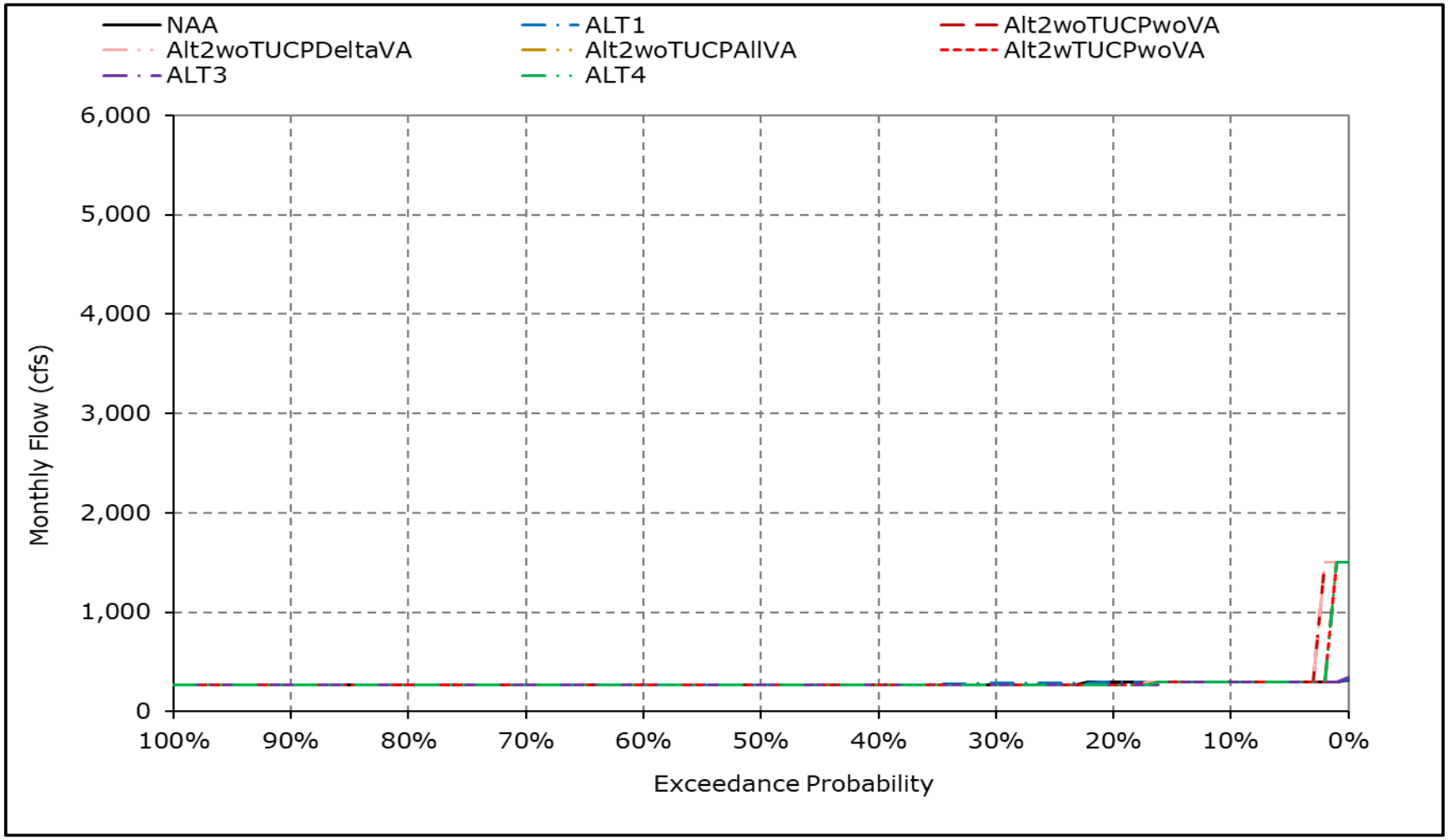
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-14. Stanislaus River Flow below Goodwin, May



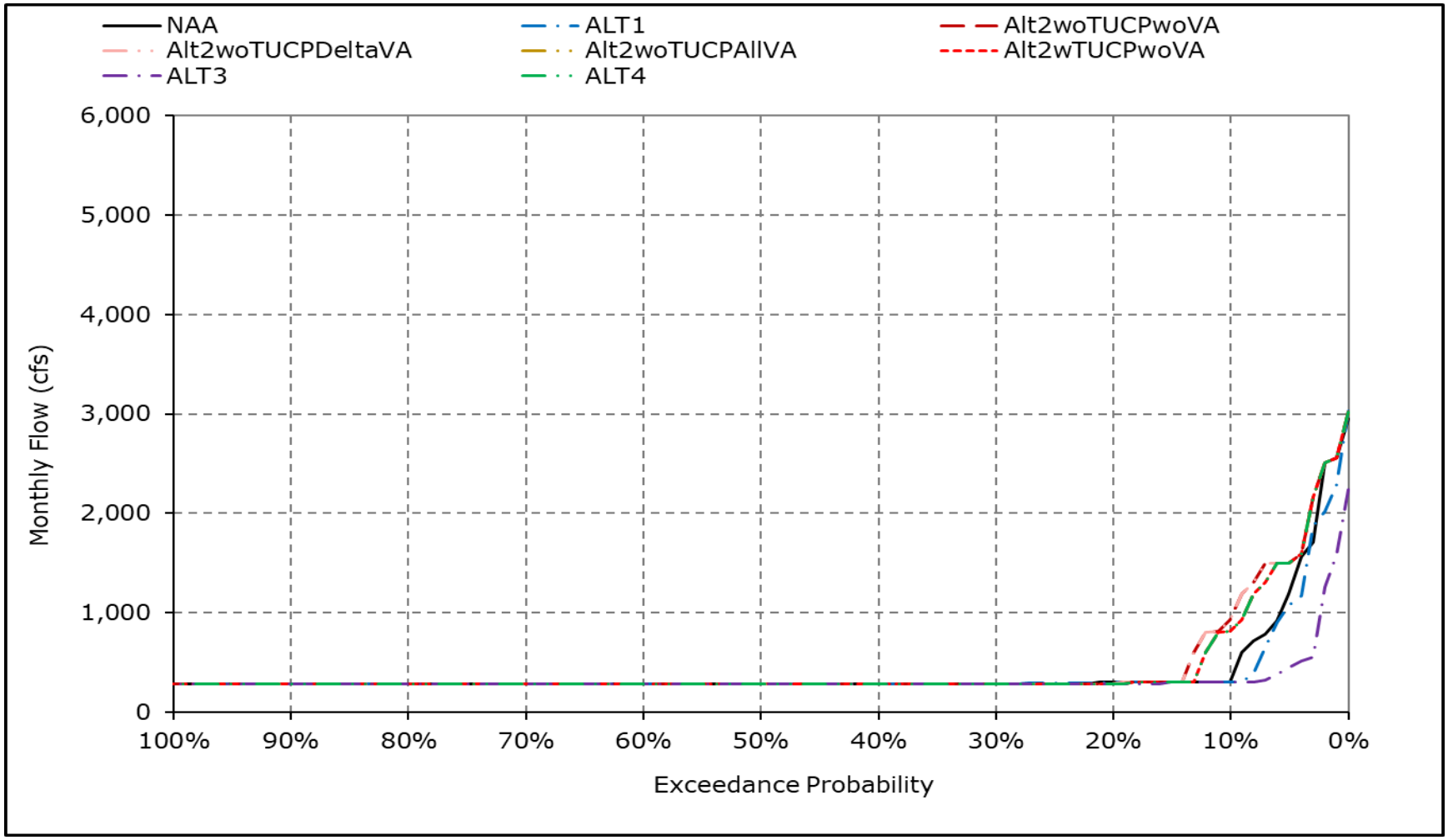
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-15. Stanislaus River Flow below Goodwin, June



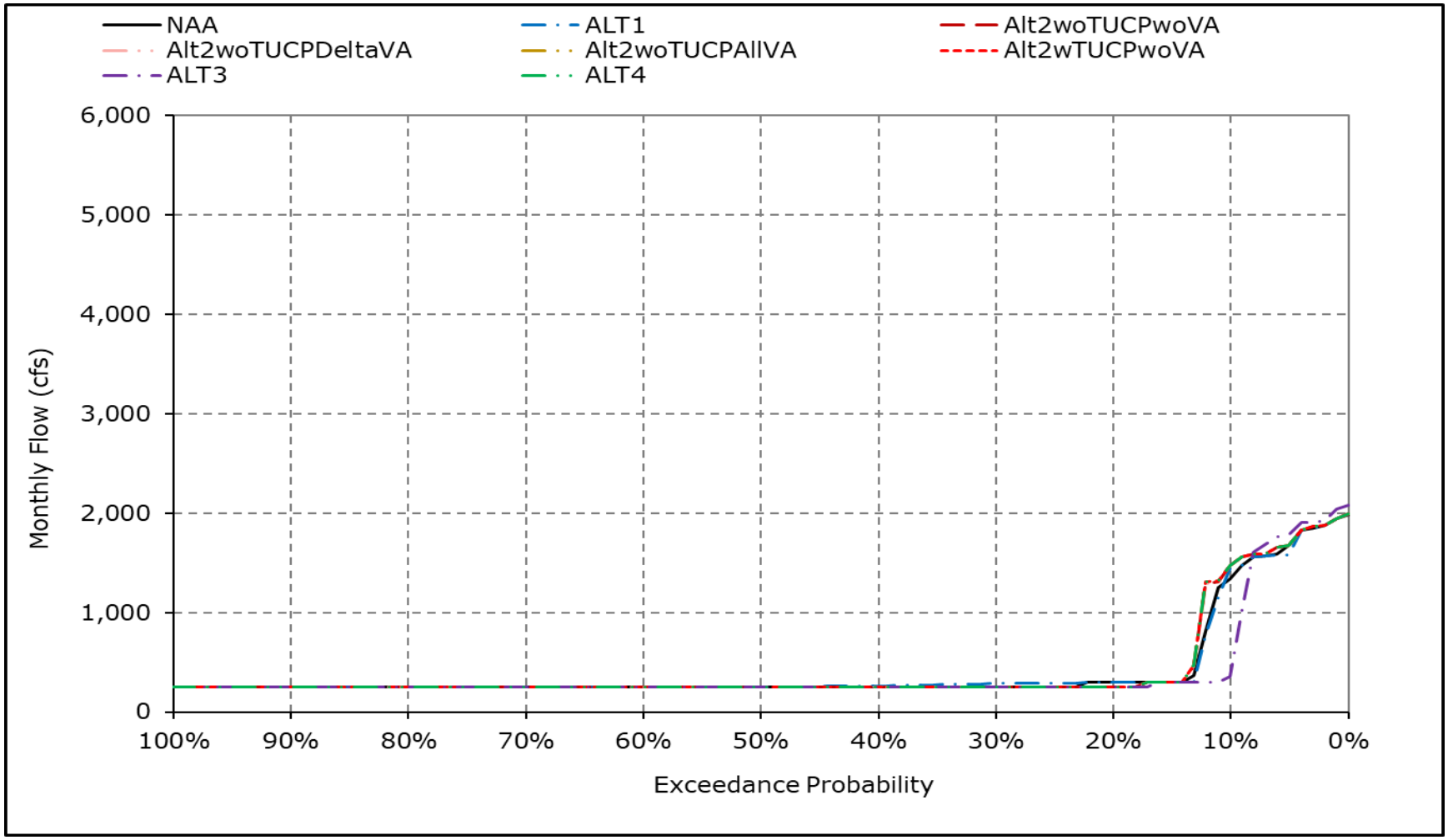
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-16. Stanislaus River Flow below Goodwin, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-17. Stanislaus River Flow below Goodwin, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-18. Stanislaus River Flow below Goodwin, September

Table F.2.2-20-1a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-1b. Stanislaus River Flow at Mouth, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	819	658	837	1,716	3,067	2,290	1,984	2,273	1,198	630	553	984
20% Exceedance	435	413	474	828	1,818	1,185	1,502	1,529	996	564	438	418
30% Exceedance	384	372	380	572	992	722	1,288	1,375	780	456	408	367
40% Exceedance	369	345	340	450	723	652	1,126	1,308	659	416	382	347
50% Exceedance	350	320	321	406	607	489	1,046	1,235	587	368	343	329
60% Exceedance	333	283	282	364	515	401	977	1,150	546	350	328	305
70% Exceedance	313	262	244	314	436	354	873	988	513	334	311	284
80% Exceedance	296	237	201	276	376	274	635	702	416	313	289	265
90% Exceedance	273	216	185	235	313	187	412	472	352	263	265	250
Full Simulation Period Average[a]	441	429	528	820	1,181	932	1,167	1,300	733	420	420	445
Wet Water Years (22%)	820	848	891	1,489	2,420	2,003	1,935	2,225	1,312	639	733	916
Above Normal Water Years (12%)	387	358	672	1,285	1,545	1,306	1,397	1,444	826	460	359	306
Below Normal Water Years (15%)	375	339	407	926	1,316	944	1,234	1,252	677	415	350	314
Dry Water Years (17%)	338	302	536	424	550	497	1,000	1,141	609	372	334	306
Critical Water Years (34%)	293	284	281	375	507	317	644	753	412	289	312	317

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-1c. Stanislaus River Flow at Mouth, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-169	38	-46	-299	-67	-58	-46	0	22	0	87	49
20% Exceedance	-171	-39	64	168	370	-186	-98	-8	80	57	80	96
30% Exceedance	-190	-57	27	161	228	-18	-27	-5	129	78	89	70
40% Exceedance	-184	-71	32	86	175	150	110	60	56	75	79	69
50% Exceedance	-179	-81	27	73	165	122	207	240	107	82	54	62
60% Exceedance	-163	-88	2	48	121	108	335	388	144	93	52	49
70% Exceedance	-165	-92	-19	10	67	92	333	352	165	90	56	43
80% Exceedance	-139	-92	-45	-17	31	31	139	145	126	111	60	40
90% Exceedance	-133	-96	-49	-42	-12	-24	-48	-44	112	122	73	55
Full Simulation Period Average[a]	-149	-52	15	-4	102	27	89	110	130	79	49	46
Wet Water Years (22%)	-105	-12	37	-130	165	-51	2	-99	89	8	-23	-9
Above Normal Water Years (12%)	-186	-82	46	-30	133	37	-56	102	196	103	61	51
Below Normal Water Years (15%)	-193	-88	-8	7	28	-10	-39	-22	63	63	53	60
Dry Water Years (17%)	-160	-75	-13	78	123	115	317	320	190	111	64	46
Critical Water Years (34%)	-138	-40	13	40	72	46	138	200	134	108	83	74

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-2a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-2b. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	632	909	2,053	3,149	2,254	2,053	2,470	1,092	668	751	1,221
20% Exceedance	606	442	439	637	1,543	1,268	1,578	1,495	698	450	354	337
30% Exceedance	573	426	369	399	797	698	1,151	1,343	651	381	322	306
40% Exceedance	554	412	307	358	617	528	950	1,094	600	338	312	290
50% Exceedance	524	396	289	318	495	388	762	869	472	285	295	277
60% Exceedance	497	367	278	302	438	326	626	669	379	261	286	264
70% Exceedance	480	355	264	293	411	288	538	606	348	246	260	247
80% Exceedance	448	331	249	287	385	262	510	562	310	214	237	231
90% Exceedance	417	314	234	268	361	230	468	522	261	167	201	199
Full Simulation Period Average[a]	595	482	531	811	1,095	904	1,049	1,157	588	353	406	423
Wet Water Years (22%)	931	862	876	1,533	2,190	1,996	1,930	2,335	1,145	587	776	957
Above Normal Water Years (12%)	575	442	637	1,354	1,476	1,294	1,425	1,321	624	355	298	259
Below Normal Water Years (15%)	558	419	429	935	1,300	935	1,127	1,164	577	338	296	259
Dry Water Years (17%)	491	371	600	350	481	416	639	712	378	254	282	279
Critical Water Years (34%)	448	331	272	329	469	290	516	557	323	258	316	281

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-2c. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	11	27	39	15	-94	24	196	-84	39	285	286
20% Exceedance	0	-10	30	-23	96	-103	-23	-43	-217	-57	-4	16
30% Exceedance	-1	-3	16	-12	33	-42	-164	-37	1	4	3	9
40% Exceedance	0	-4	-1	-5	69	25	-66	-154	-3	-3	9	12
50% Exceedance	-6	-4	-5	-15	53	20	-77	-126	-7	0	5	9
60% Exceedance	1	-3	-1	-14	44	33	-16	-93	-23	4	10	8
70% Exceedance	1	1	0	-12	42	26	-2	-30	1	2	4	7
80% Exceedance	13	3	2	-7	40	19	14	4	20	12	8	6
90% Exceedance	11	1	0	-8	36	18	8	7	20	25	9	4
Full Simulation Period Average[a]	5	1	18	-13	16	-1	-30	-34	-15	13	36	25
Wet Water Years (22%)	7	2	22	-86	-66	-59	-3	12	-79	-44	20	33
Above Normal Water Years (12%)	2	2	10	40	64	25	-29	-20	-5	-2	0	3
Below Normal Water Years (15%)	-10	-8	13	15	12	-19	-146	-110	-37	-15	-1	6
Dry Water Years (17%)	-7	-6	51	3	54	34	-43	-109	-41	-8	12	20
Critical Water Years (34%)	17	6	4	-6	33	19	9	4	45	77	87	38

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-3a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-3b. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	633	909	2,053	3,149	2,253	2,053	2,470	1,092	669	751	1,221
20% Exceedance	606	441	439	639	1,543	1,268	1,578	1,495	698	450	354	337
30% Exceedance	571	425	368	399	796	698	1,151	1,343	651	381	319	306
40% Exceedance	553	411	307	358	617	527	950	1,094	595	338	312	291
50% Exceedance	522	396	289	318	495	388	762	869	472	285	295	277
60% Exceedance	495	367	278	302	438	326	627	669	379	258	285	262
70% Exceedance	478	354	264	293	411	287	535	606	349	245	260	247
80% Exceedance	448	332	249	286	385	260	510	561	310	213	238	232
90% Exceedance	415	314	234	267	360	227	469	522	261	168	202	200
Full Simulation Period Average[a]	593	482	532	811	1,095	903	1,048	1,157	588	353	406	423
Wet Water Years (22%)	929	862	877	1,533	2,190	1,996	1,930	2,335	1,144	587	776	957
Above Normal Water Years (12%)	574	442	637	1,354	1,476	1,294	1,425	1,321	624	355	298	259
Below Normal Water Years (15%)	557	419	429	934	1,300	935	1,127	1,164	576	338	296	259
Dry Water Years (17%)	489	370	600	350	482	415	638	712	378	253	281	278
Critical Water Years (34%)	447	331	272	329	469	289	516	557	324	258	315	281

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-3c. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	13	27	38	15	-95	23	196	-84	39	285	286
20% Exceedance	-1	-11	30	-21	96	-104	-23	-43	-217	-57	-4	16
30% Exceedance	-3	-4	15	-12	33	-42	-164	-37	1	4	0	9
40% Exceedance	0	-5	-2	-5	69	25	-66	-155	-7	-3	9	12
50% Exceedance	-8	-4	-5	-15	53	21	-77	-126	-7	-1	6	10
60% Exceedance	-2	-4	-1	-14	44	32	-15	-93	-23	1	9	6
70% Exceedance	0	-1	0	-12	42	25	-4	-30	1	1	4	7
80% Exceedance	13	4	2	-7	40	16	14	4	20	10	9	7
90% Exceedance	9	1	0	-10	35	15	9	7	21	26	10	5
Full Simulation Period Average[a]	3	1	18	-13	16	-1	-30	-34	-15	13	35	24
Wet Water Years (22%)	5	2	23	-86	-65	-59	-3	11	-79	-44	20	33
Above Normal Water Years (12%)	1	2	10	39	64	25	-29	-21	-5	-2	-1	3
Below Normal Water Years (15%)	-12	-8	13	15	12	-19	-145	-110	-38	-14	-1	5
Dry Water Years (17%)	-9	-7	51	4	55	33	-44	-110	-41	-8	11	19
Critical Water Years (34%)	16	7	4	-6	34	18	9	4	46	77	86	38

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-4a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-4b. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	636	909	2,038	3,150	2,253	2,053	2,469	1,092	647	684	1,221
20% Exceedance	605	441	439	639	1,544	1,268	1,578	1,495	691	433	349	332
30% Exceedance	569	425	368	418	816	728	1,151	1,343	647	377	319	304
40% Exceedance	551	410	307	361	626	555	973	1,128	595	338	311	289
50% Exceedance	516	390	289	322	500	391	762	869	459	281	294	275
60% Exceedance	495	363	277	304	438	326	628	669	372	257	283	263
70% Exceedance	479	353	263	294	410	289	540	606	347	243	256	246
80% Exceedance	446	332	249	287	385	260	509	561	296	211	234	227
90% Exceedance	415	314	234	268	361	229	468	522	255	156	202	200
Full Simulation Period Average[a]	592	482	531	814	1,099	912	1,052	1,160	584	345	396	419
Wet Water Years (22%)	931	863	877	1,532	2,188	1,996	1,930	2,339	1,146	588	776	958
Above Normal Water Years (12%)	574	442	637	1,355	1,476	1,294	1,425	1,321	625	355	298	259
Below Normal Water Years (15%)	558	419	429	934	1,307	973	1,150	1,174	579	339	296	260
Dry Water Years (17%)	490	371	600	368	496	429	641	712	379	254	281	278
Critical Water Years (34%)	441	329	271	329	470	289	516	557	310	233	287	268

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-4c. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	16	27	23	16	-95	24	195	-84	17	218	286
20% Exceedance	-2	-11	30	-21	96	-103	-22	-42	-224	-74	-9	10
30% Exceedance	-4	-4	15	8	53	-13	-164	-37	-4	-1	1	7
40% Exceedance	-2	-7	-1	-3	78	52	-43	-120	-8	-3	8	11
50% Exceedance	-13	-10	-5	-11	58	24	-77	-126	-21	-4	5	8
60% Exceedance	-1	-7	-2	-12	44	33	-14	-93	-30	0	8	7
70% Exceedance	0	-2	0	-11	41	27	0	-30	0	-1	1	6
80% Exceedance	11	4	2	-6	40	16	13	4	6	9	5	2
90% Exceedance	9	1	1	-9	36	17	8	7	15	15	10	4
Full Simulation Period Average[a]	2	0	18	-10	19	7	-26	-31	-19	5	26	20
Wet Water Years (22%)	7	3	23	-87	-67	-59	-3	15	-78	-43	20	34
Above Normal Water Years (12%)	1	2	10	40	64	25	-29	-20	-5	-2	0	3
Below Normal Water Years (15%)	-11	-8	14	14	19	19	-123	-100	-35	-13	0	6
Dry Water Years (17%)	-8	-6	51	22	69	47	-41	-109	-41	-8	11	19
Critical Water Years (34%)	10	4	3	-6	35	18	10	4	32	52	58	25

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-5a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-5b. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	636	909	2,054	3,150	2,254	2,054	2,470	1,092	647	684	1,221
20% Exceedance	605	442	439	637	1,544	1,269	1,578	1,496	692	433	349	332
30% Exceedance	570	426	368	418	817	727	1,152	1,343	647	377	320	305
40% Exceedance	552	410	307	361	626	556	973	1,129	601	338	312	289
50% Exceedance	517	390	289	322	500	391	763	869	459	281	293	275
60% Exceedance	495	363	277	304	438	327	626	669	372	257	282	263
70% Exceedance	481	354	263	294	410	289	537	604	346	244	257	248
80% Exceedance	448	331	248	287	385	262	509	562	295	206	237	228
90% Exceedance	415	314	234	268	360	230	468	522	253	153	201	200
Full Simulation Period Average[a]	593	482	531	814	1,099	912	1,053	1,160	583	345	396	420
Wet Water Years (22%)	931	863	876	1,533	2,190	1,996	1,930	2,340	1,146	587	776	958
Above Normal Water Years (12%)	576	443	637	1,355	1,477	1,294	1,425	1,322	625	355	299	259
Below Normal Water Years (15%)	559	419	429	935	1,308	974	1,150	1,174	579	339	296	260
Dry Water Years (17%)	491	371	600	368	496	430	641	712	379	254	282	279
Critical Water Years (34%)	442	329	271	329	469	290	516	557	309	232	287	269

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-5c. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	16	27	39	16	-94	24	196	-84	17	218	286
20% Exceedance	-2	-10	30	-23	97	-102	-22	-42	-224	-74	-9	10
30% Exceedance	-3	-3	15	8	53	-13	-163	-37	-4	-1	1	8
40% Exceedance	-1	-6	-1	-3	78	53	-43	-120	-2	-3	8	11
50% Exceedance	-13	-10	-5	-11	58	24	-76	-126	-21	-5	4	8
60% Exceedance	-1	-8	-2	-12	44	33	-16	-93	-30	0	6	7
70% Exceedance	2	-1	0	-10	41	27	-2	-31	-1	-1	2	7
80% Exceedance	13	3	2	-6	40	19	13	5	5	3	8	3
90% Exceedance	9	1	1	-8	35	18	8	7	13	11	9	5
Full Simulation Period Average[a]	3	0	18	-10	19	8	-26	-31	-19	4	26	21
Wet Water Years (22%)	7	3	22	-86	-65	-58	-2	16	-77	-44	20	34
Above Normal Water Years (12%)	3	3	11	40	64	25	-28	-20	-4	-1	0	4
Below Normal Water Years (15%)	-10	-8	14	16	20	19	-123	-100	-35	-14	0	6
Dry Water Years (17%)	-7	-6	52	22	69	47	-41	-109	-41	-7	12	20
Critical Water Years (34%)	11	5	3	-6	34	19	10	4	30	51	58	26

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-6a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-6b. Stanislaus River Flow at Mouth, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	753	546	616	2,071	2,972	2,374	2,780	3,357	1,935	744	488	496
20% Exceedance	589	422	408	667	2,085	1,965	2,198	2,416	1,319	596	385	315
30% Exceedance	551	404	330	394	1,473	1,632	1,810	1,869	861	413	323	287
40% Exceedance	532	393	289	332	974	1,244	1,673	1,355	626	347	294	263
50% Exceedance	489	374	271	307	609	846	1,331	1,202	570	314	281	251
60% Exceedance	472	347	258	293	424	365	867	986	486	258	257	236
70% Exceedance	454	332	248	284	360	273	558	579	318	214	241	220
80% Exceedance	416	303	227	274	342	227	463	533	272	170	204	204
90% Exceedance	382	289	211	257	304	189	424	495	221	124	172	165
Full Simulation Period Average[a]	561	460	434	756	1,267	1,180	1,407	1,515	834	369	330	359
Wet Water Years (22%)	873	845	754	1,438	2,732	2,623	2,517	3,060	1,966	715	600	798
Above Normal Water Years (12%)	566	417	549	1,158	1,319	1,319	1,496	1,541	764	384	295	233
Below Normal Water Years (15%)	539	400	339	906	1,719	1,274	1,597	1,458	716	364	290	241
Dry Water Years (17%)	470	349	400	322	621	909	1,488	1,362	606	326	289	262
Critical Water Years (34%)	408	303	237	323	423	292	532	607	292	163	204	219

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-6c. Stanislaus River Flow at Mouth, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-235	-74	-266	56	-162	26	750	1,083	759	114	22	-439
20% Exceedance	-18	-30	-2	8	638	594	597	878	404	90	27	-7
30% Exceedance	-23	-25	-23	-17	710	892	495	489	211	36	4	-10
40% Exceedance	-22	-23	-20	-31	426	741	657	106	23	6	-9	-15
50% Exceedance	-40	-26	-23	-26	167	479	492	207	91	28	-8	-16
60% Exceedance	-24	-24	-21	-22	31	72	225	225	84	1	-18	-21
70% Exceedance	-25	-22	-15	-21	-8	11	18	-56	-30	-31	-14	-21
80% Exceedance	-19	-25	-20	-19	-3	-16	-33	-24	-18	-32	-25	-21
90% Exceedance	-24	-24	-22	-20	-21	-22	-36	-21	-19	-17	-20	-30
Full Simulation Period Average[a]	-29	-22	-79	-69	187	276	328	324	231	28	-41	-40
Wet Water Years (22%)	-51	-15	-100	-180	477	569	584	736	742	84	-156	-126
Above Normal Water Years (12%)	-7	-23	-77	-157	-93	50	42	199	135	27	-4	-23
Below Normal Water Years (15%)	-29	-27	-76	-13	431	320	325	184	102	11	-6	-13
Dry Water Years (17%)	-28	-28	-148	-25	194	526	805	541	186	65	20	2
Critical Water Years (34%)	-23	-21	-31	-13	-13	21	26	54	13	-18	-25	-24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-7a. Stanislaus River Flow at Mouth, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	620	882	2,015	3,134	2,348	2,030	2,274	1,176	630	466	935
20% Exceedance	606	452	409	660	1,447	1,371	1,601	1,537	915	506	358	322
30% Exceedance	574	429	353	411	763	740	1,315	1,380	650	378	319	297
40% Exceedance	553	416	308	364	548	503	1,016	1,248	603	341	303	278
50% Exceedance	529	400	294	333	442	367	839	996	480	286	289	267
60% Exceedance	496	371	279	316	394	293	642	762	402	257	275	256
70% Exceedance	479	355	264	305	369	262	540	636	347	244	255	241
80% Exceedance	435	328	246	293	345	243	496	557	290	202	229	225
90% Exceedance	406	313	234	276	325	212	460	516	240	141	192	195
Full Simulation Period Average[a]	590	482	513	825	1,079	905	1,079	1,191	603	340	370	399
Wet Water Years (22%)	924	860	854	1,618	2,255	2,054	1,933	2,323	1,224	631	756	924
Above Normal Water Years (12%)	573	440	626	1,315	1,412	1,269	1,454	1,342	629	357	298	256
Below Normal Water Years (15%)	569	427	416	919	1,288	954	1,272	1,274	614	352	297	254
Dry Water Years (17%)	498	377	548	347	427	382	682	821	420	262	270	260
Critical Water Years (34%)	431	324	268	335	435	271	506	553	278	181	229	243

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-7b. Stanislaus River Flow at Mouth, Alternative 4, Monthly Flow (cfs)

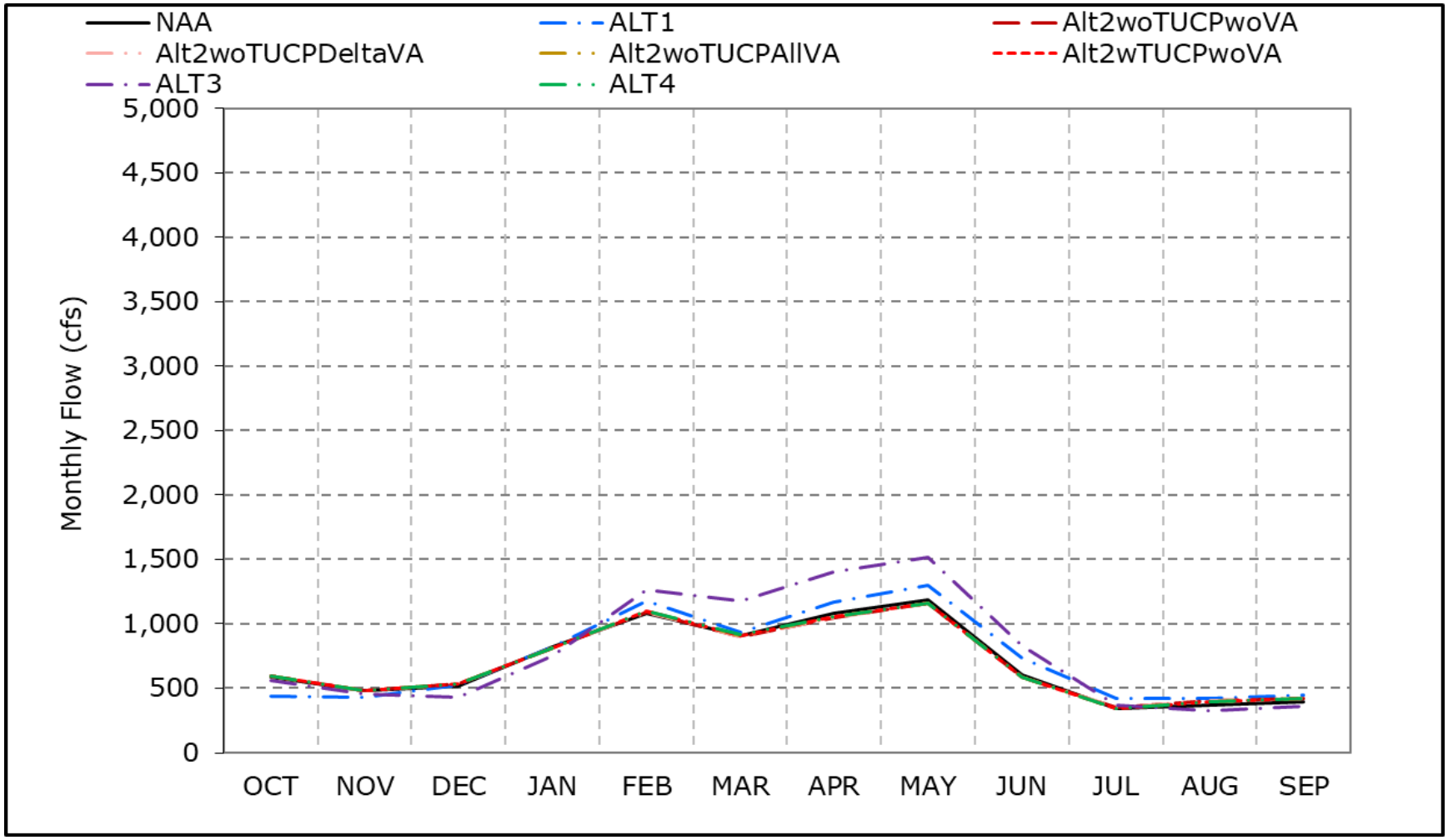
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,000	636	911	2,055	3,151	2,254	2,055	2,471	1,093	648	685	1,221
20% Exceedance	605	442	441	638	1,545	1,269	1,579	1,496	692	433	350	332
30% Exceedance	571	426	369	419	818	728	1,152	1,344	647	378	320	305
40% Exceedance	553	411	308	362	627	556	974	1,129	601	339	312	291
50% Exceedance	517	391	290	323	501	391	764	870	460	285	295	276
60% Exceedance	494	363	279	305	439	327	627	669	373	259	284	264
70% Exceedance	481	354	264	294	410	290	540	605	347	244	257	248
80% Exceedance	451	333	249	288	386	263	509	563	296	206	240	228
90% Exceedance	418	314	235	269	360	232	468	522	254	154	202	195
Full Simulation Period Average[a]	594	483	532	815	1,100	913	1,053	1,161	584	346	397	420
Wet Water Years (22%)	932	863	877	1,533	2,191	1,997	1,931	2,340	1,147	588	777	959
Above Normal Water Years (12%)	576	444	638	1,355	1,477	1,295	1,426	1,323	626	357	299	261
Below Normal Water Years (15%)	560	420	430	935	1,308	974	1,151	1,175	580	340	297	260
Dry Water Years (17%)	492	372	601	369	496	430	642	713	380	256	282	280
Critical Water Years (34%)	443	330	272	330	470	291	517	557	310	234	288	269

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-20-7c. Stanislaus River Flow at Mouth, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

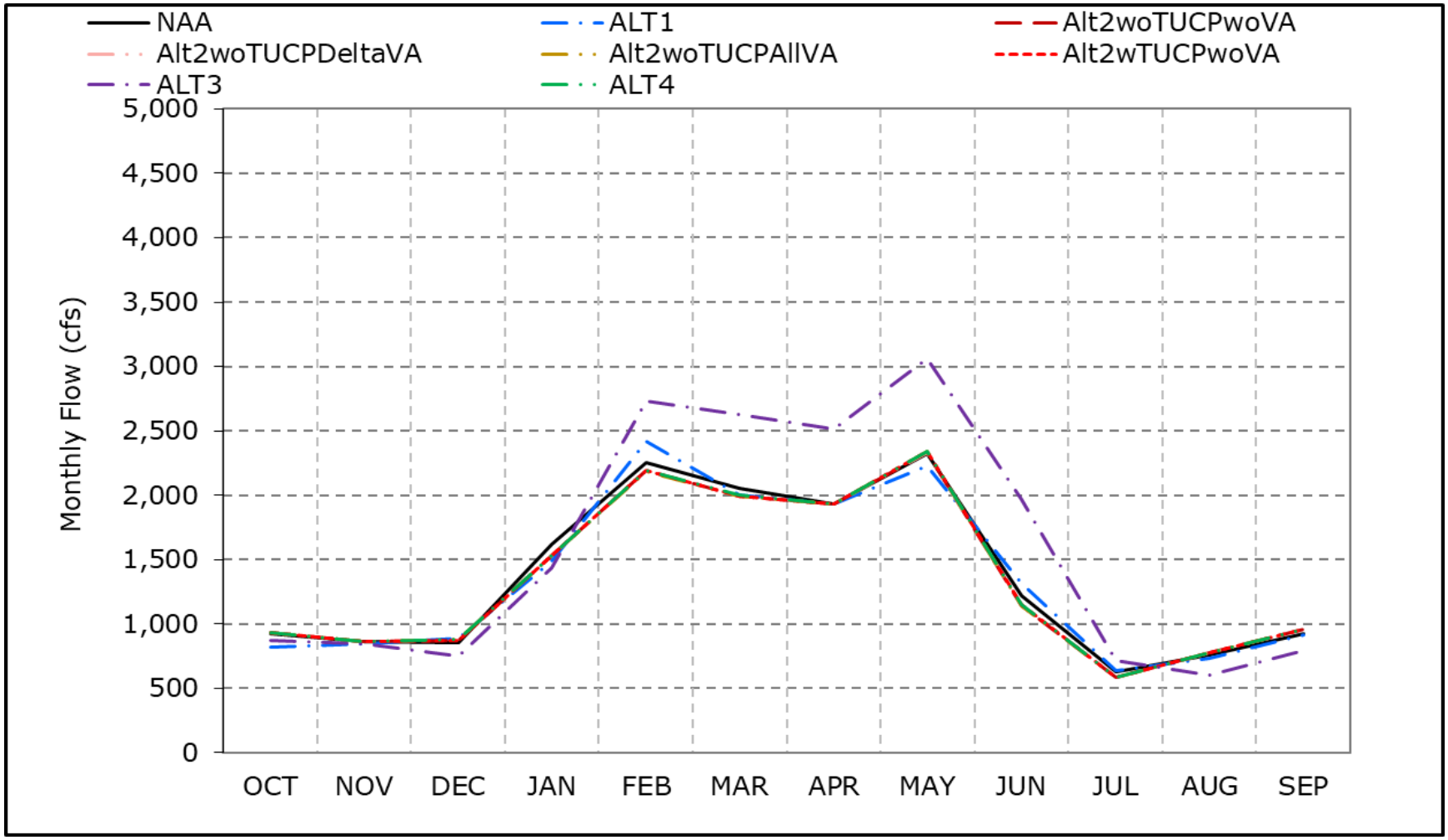
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	16	29	40	17	-94	25	197	-83	18	219	287
20% Exceedance	-1	-9	32	-22	97	-102	-21	-41	-223	-73	-8	11
30% Exceedance	-3	-2	16	8	54	-12	-163	-36	-3	0	1	8
40% Exceedance	0	-5	0	-2	79	53	-42	-119	-2	-2	9	13
50% Exceedance	-12	-10	-4	-10	59	24	-75	-125	-20	-1	6	8
60% Exceedance	-2	-8	-1	-11	46	34	-15	-92	-29	2	9	8
70% Exceedance	2	-1	0	-10	41	28	0	-30	0	0	1	8
80% Exceedance	16	5	3	-5	41	20	13	5	5	3	11	3
90% Exceedance	12	2	1	-7	35	20	8	7	14	12	10	0
Full Simulation Period Average[a]	4	1	19	-9	20	8	-25	-30	-19	6	27	21
Wet Water Years (22%)	8	3	23	-85	-64	-57	-2	17	-77	-43	21	34
Above Normal Water Years (12%)	3	4	11	41	65	26	-28	-19	-4	0	1	5
Below Normal Water Years (15%)	-9	-7	14	16	20	20	-122	-99	-34	-13	1	7
Dry Water Years (17%)	-6	-5	52	22	69	48	-40	-108	-40	-6	12	20
Critical Water Years (34%)	12	5	4	-5	34	20	10	5	31	53	59	26

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



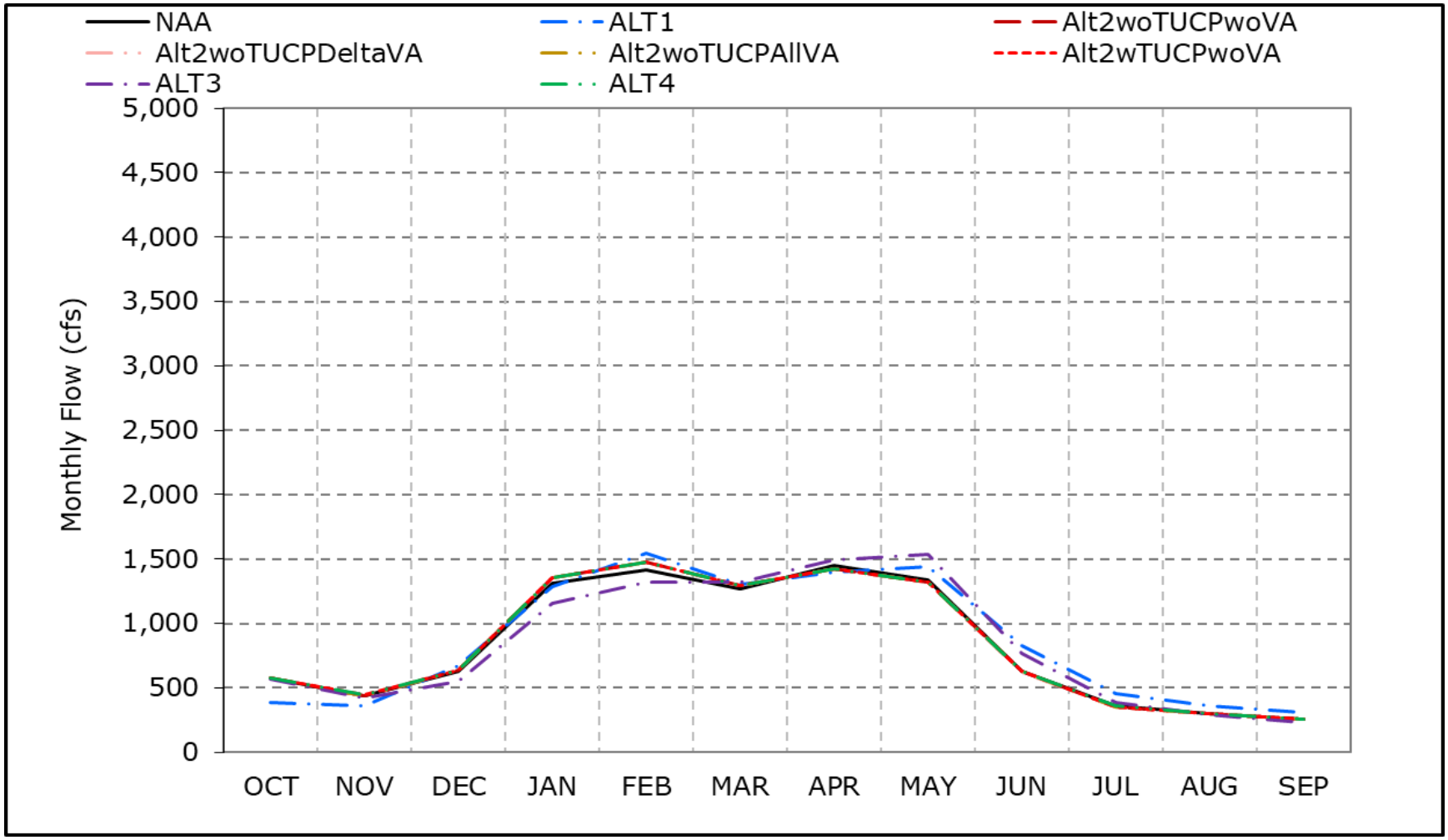
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-1. Stanislaus River Flow at Mouth, Long-Term Average Flow



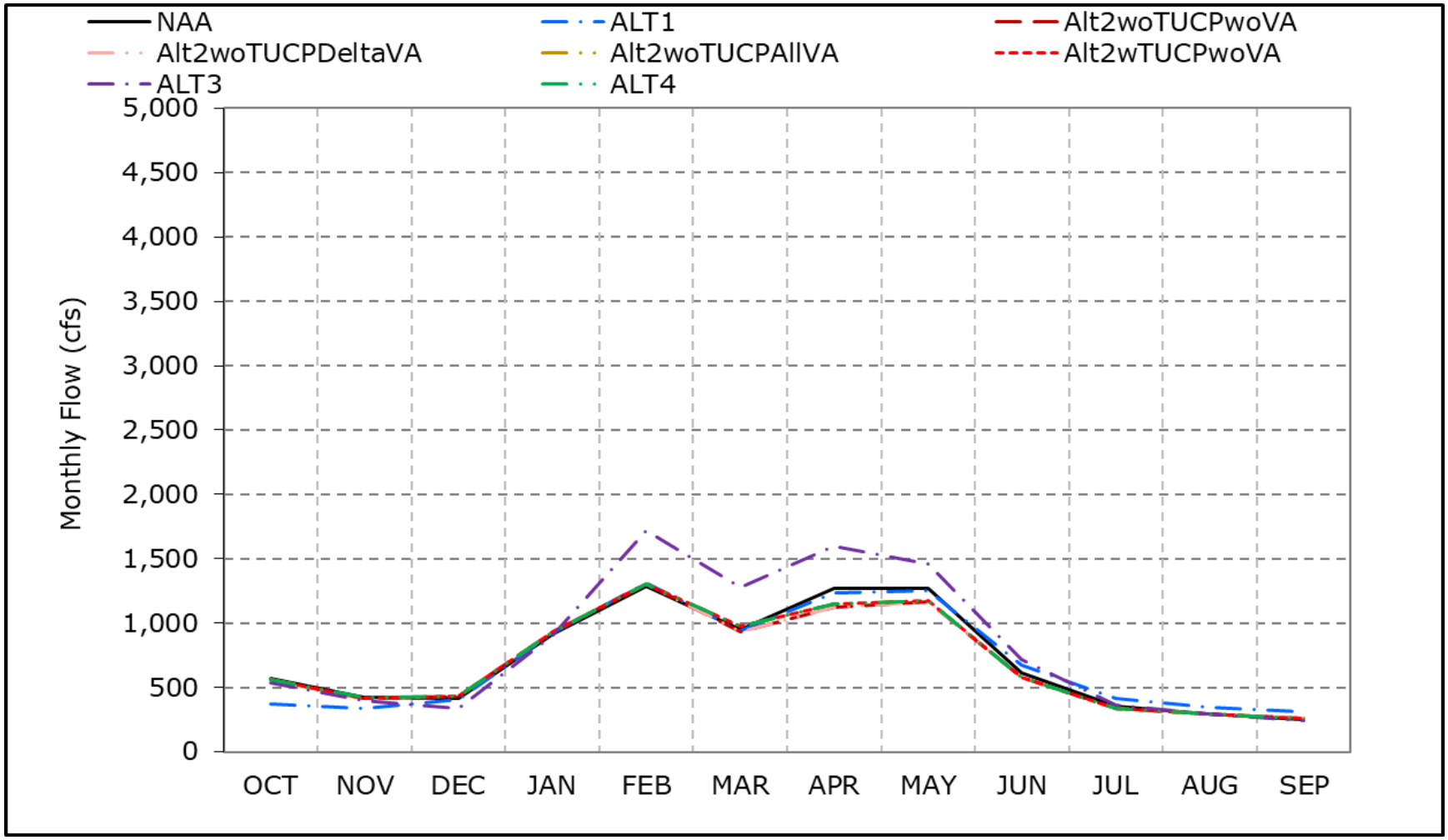
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-2. Stanislaus River Flow at Mouth, Wet Year Average Flow



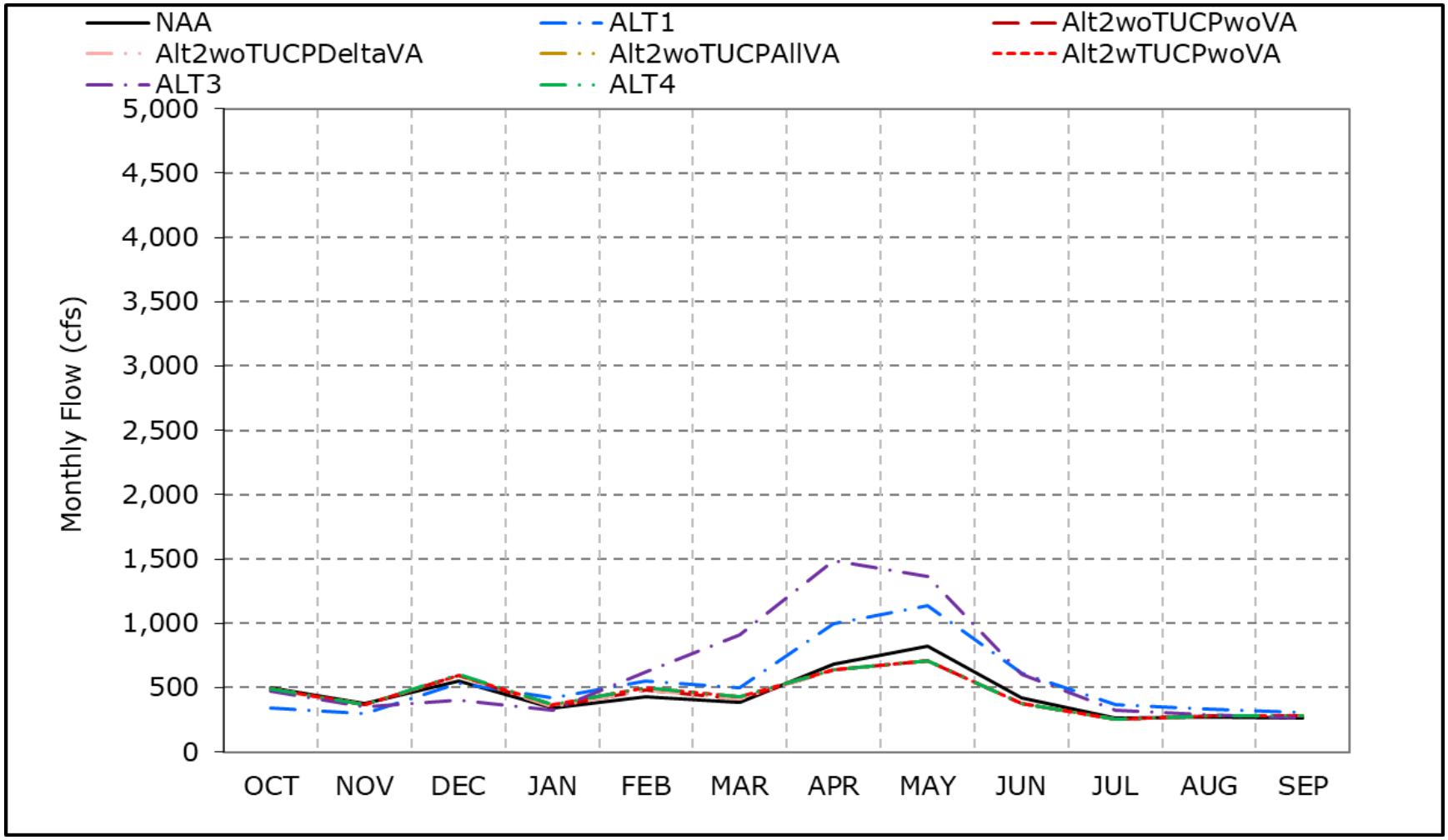
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-3. Stanislaus River Flow at Mouth, Above Normal Year Average Flow



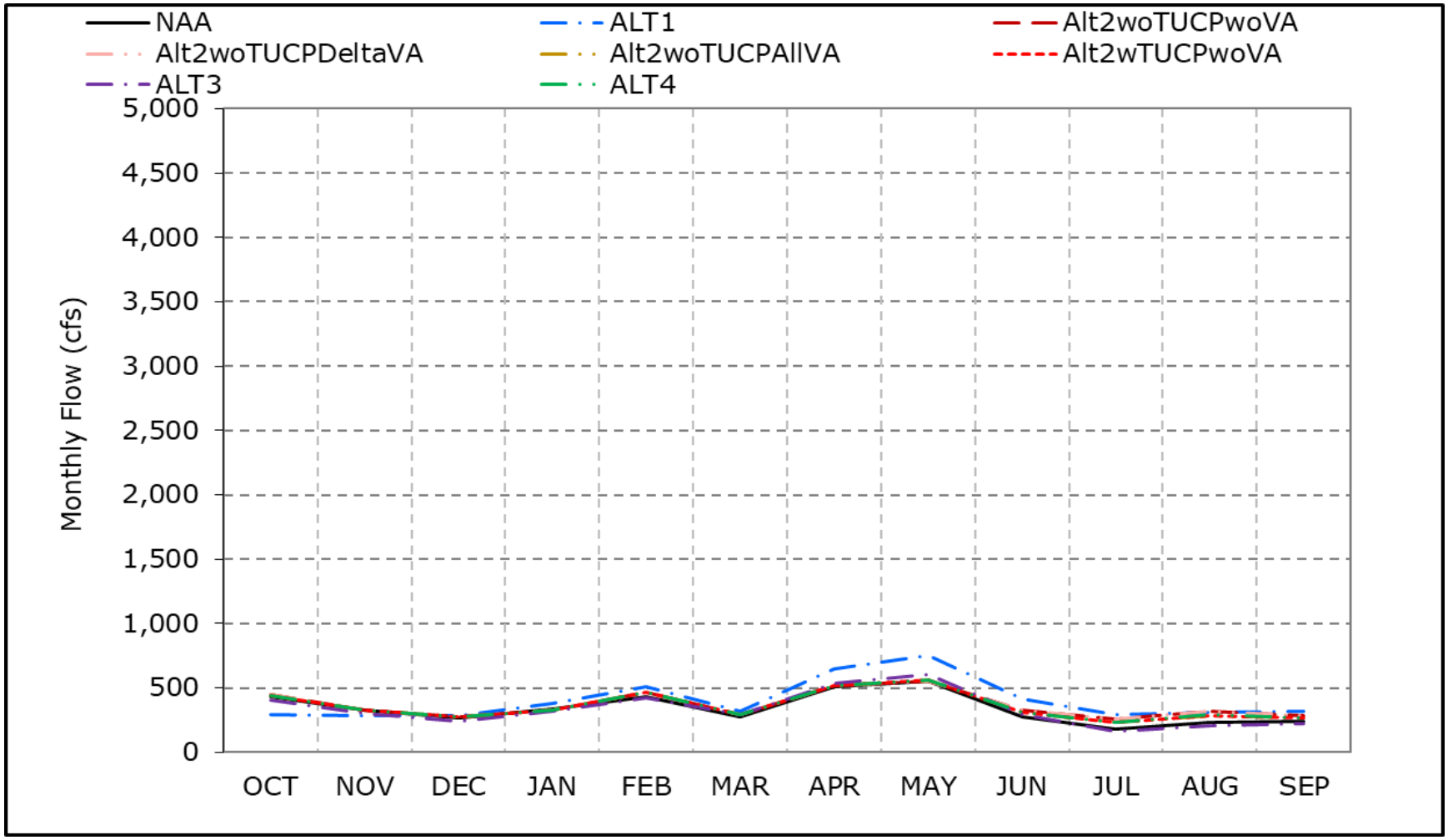
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-4. Stanislaus River Flow at Mouth, Below Normal Year Average Flow



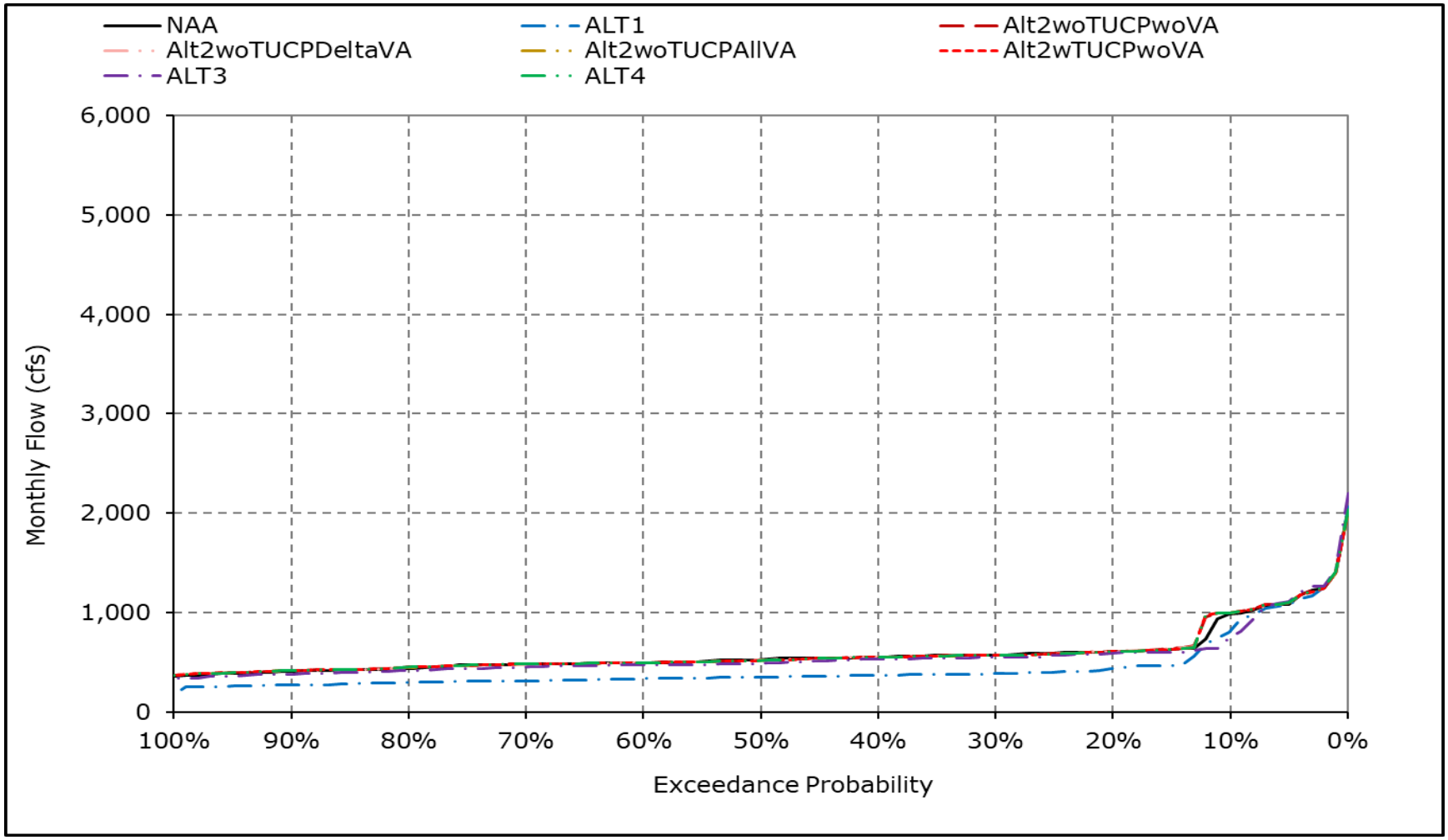
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-5. Stanislaus River Flow at Mouth, Dry Year Average Flow



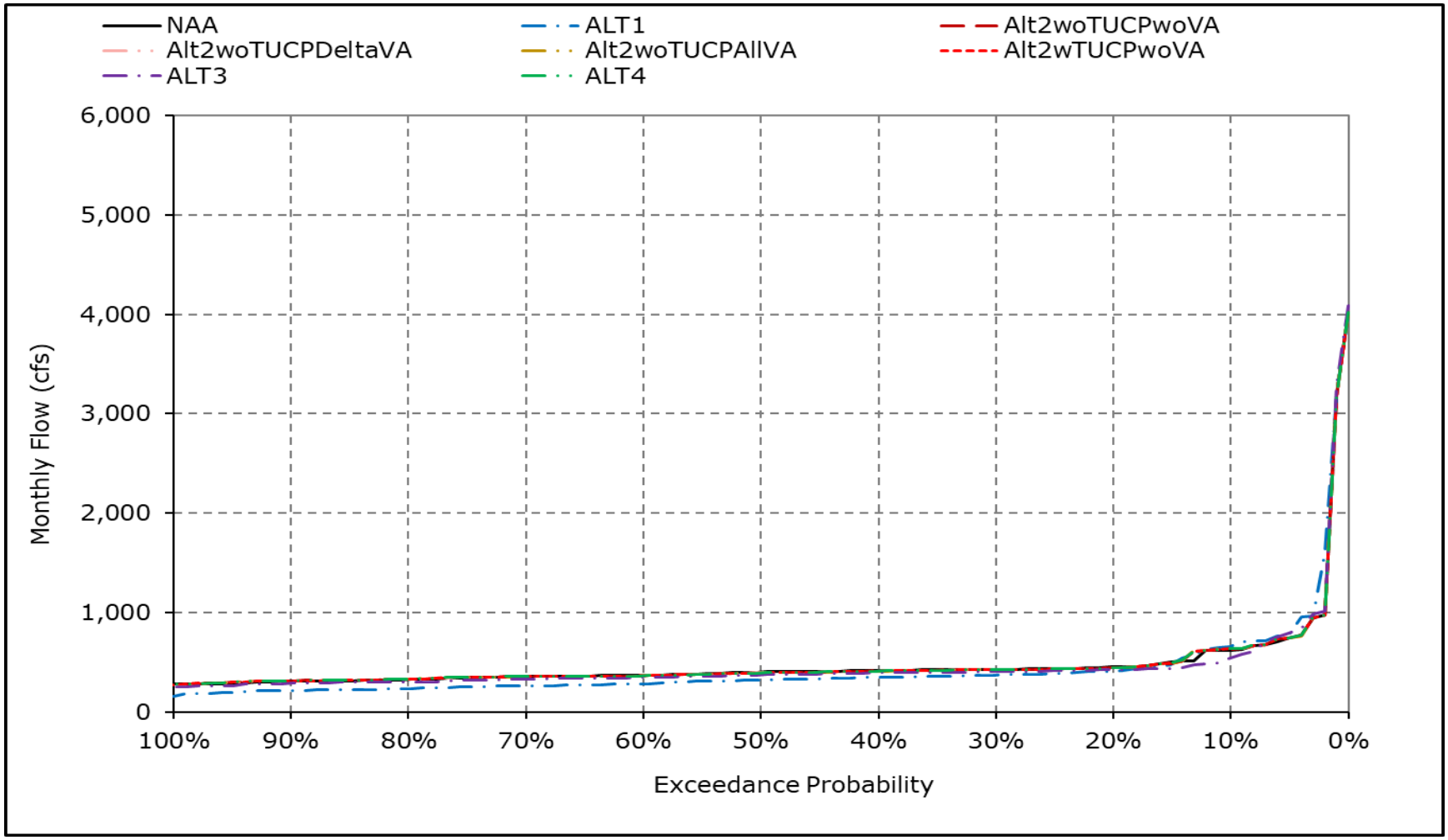
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-6. Stanislaus River Flow at Mouth, Critical Year Average Flow



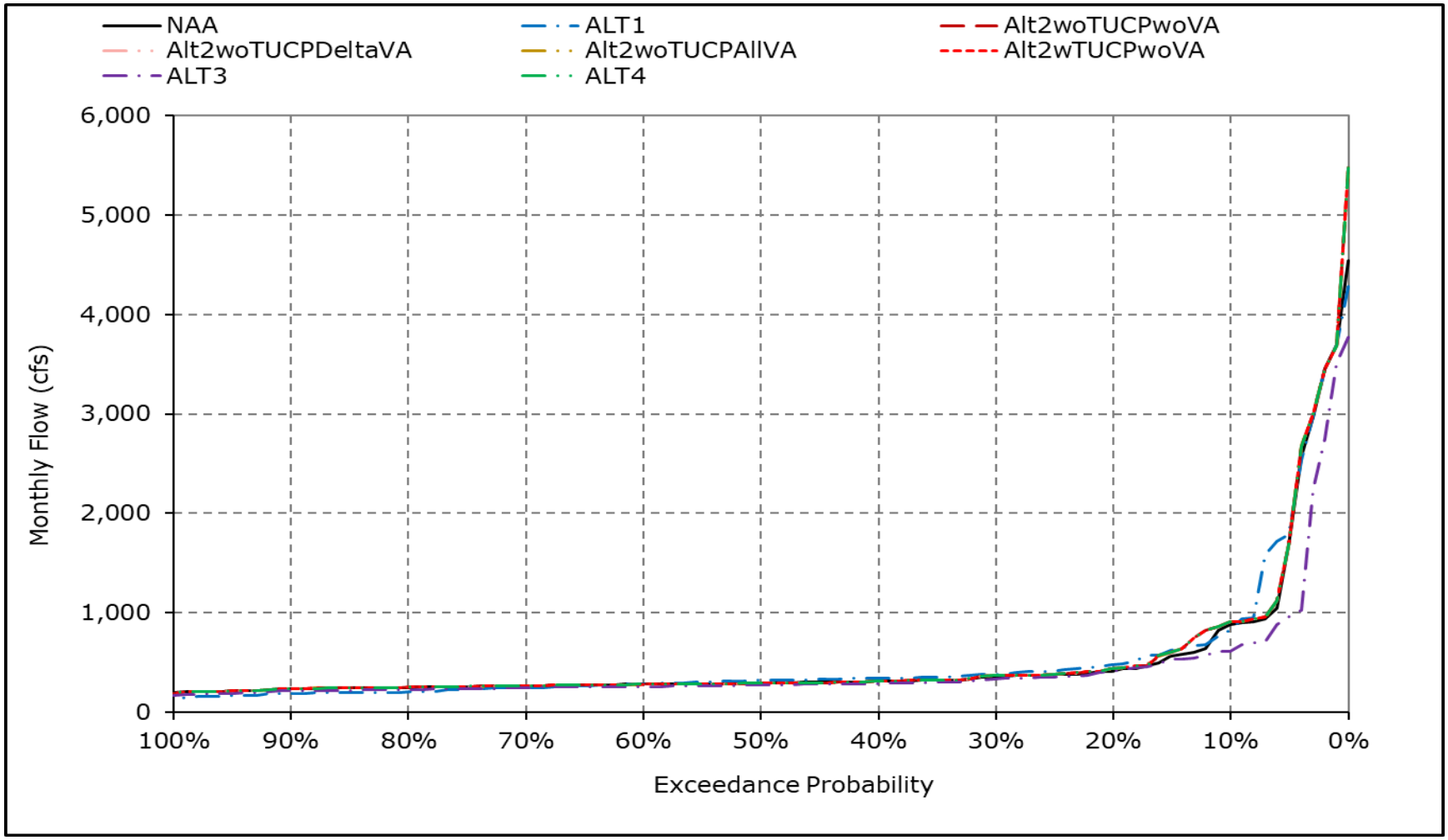
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-7. Stanislaus River Flow at Mouth, October



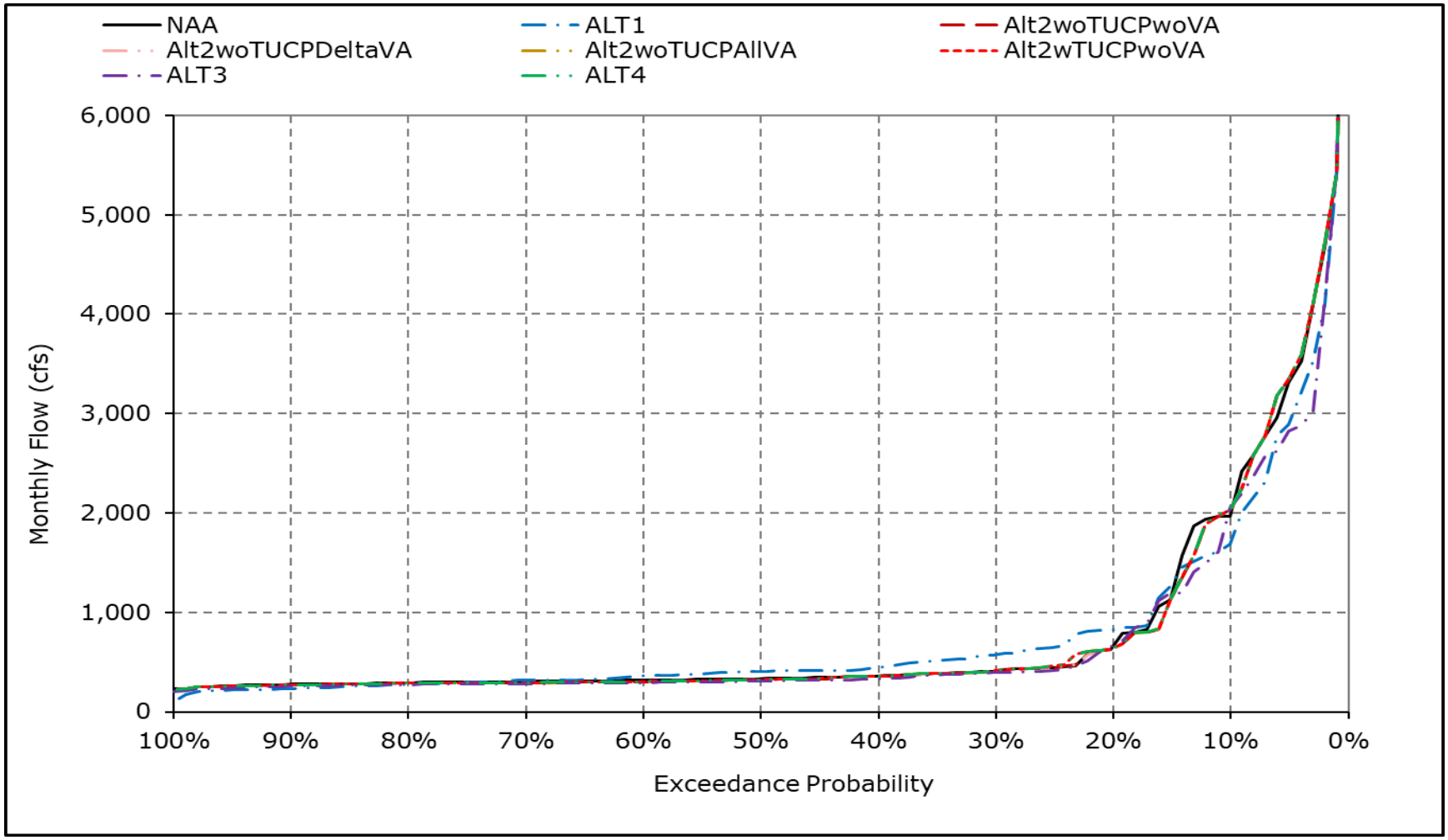
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-8. Stanislaus River Flow at Mouth, November



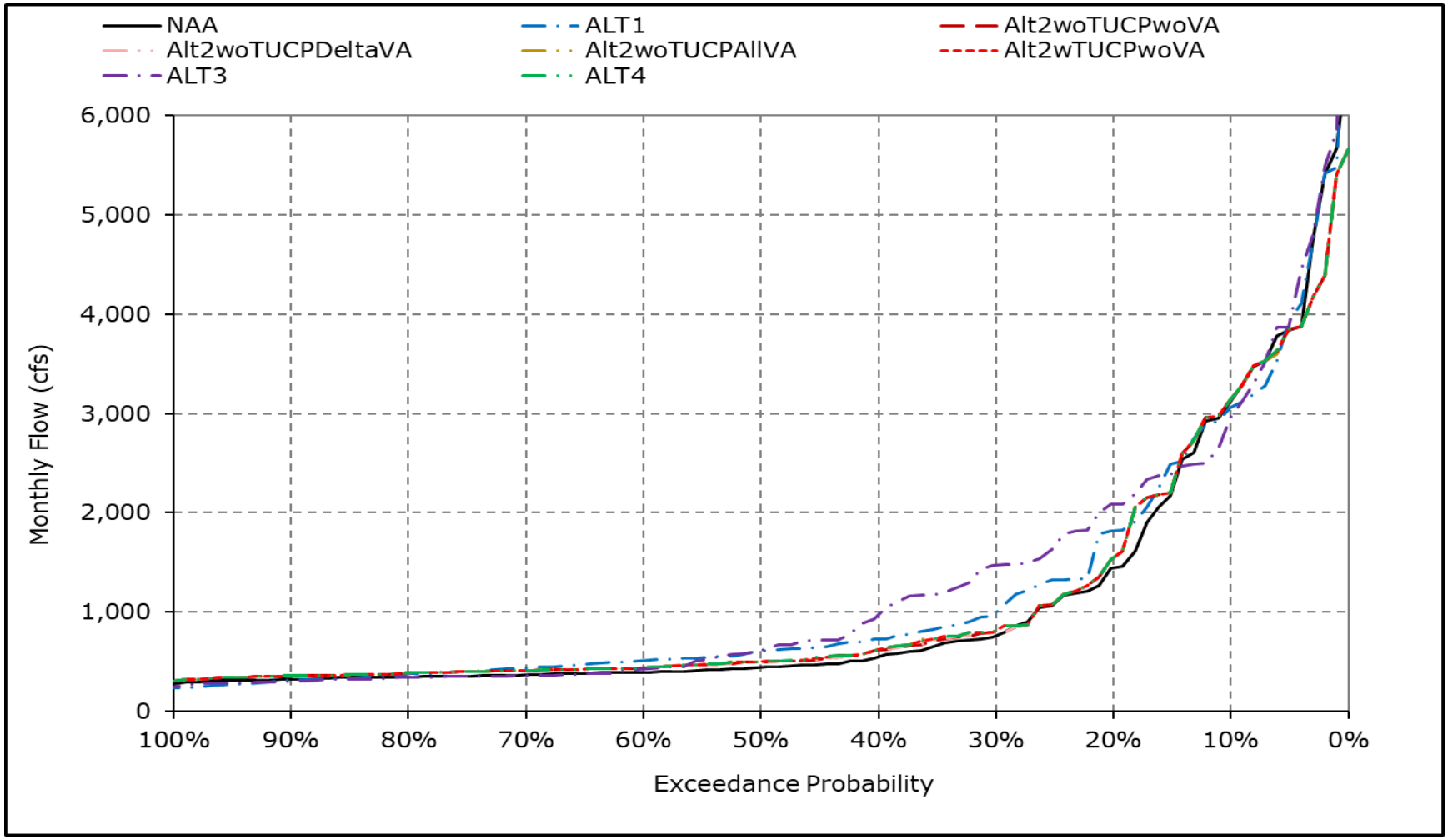
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-9. Stanislaus River Flow at Mouth, December



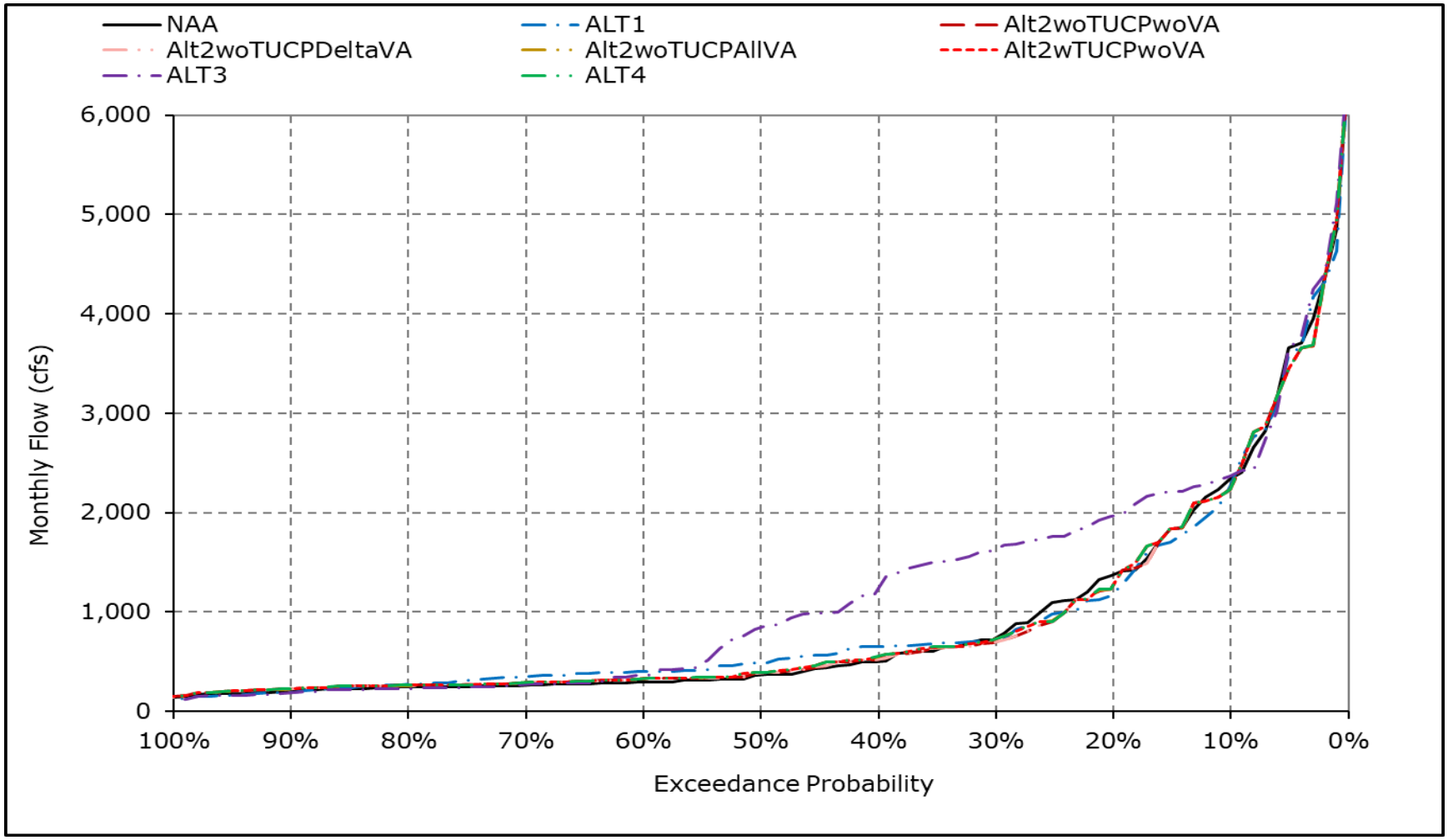
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-10. Stanislaus River Flow at Mouth, January



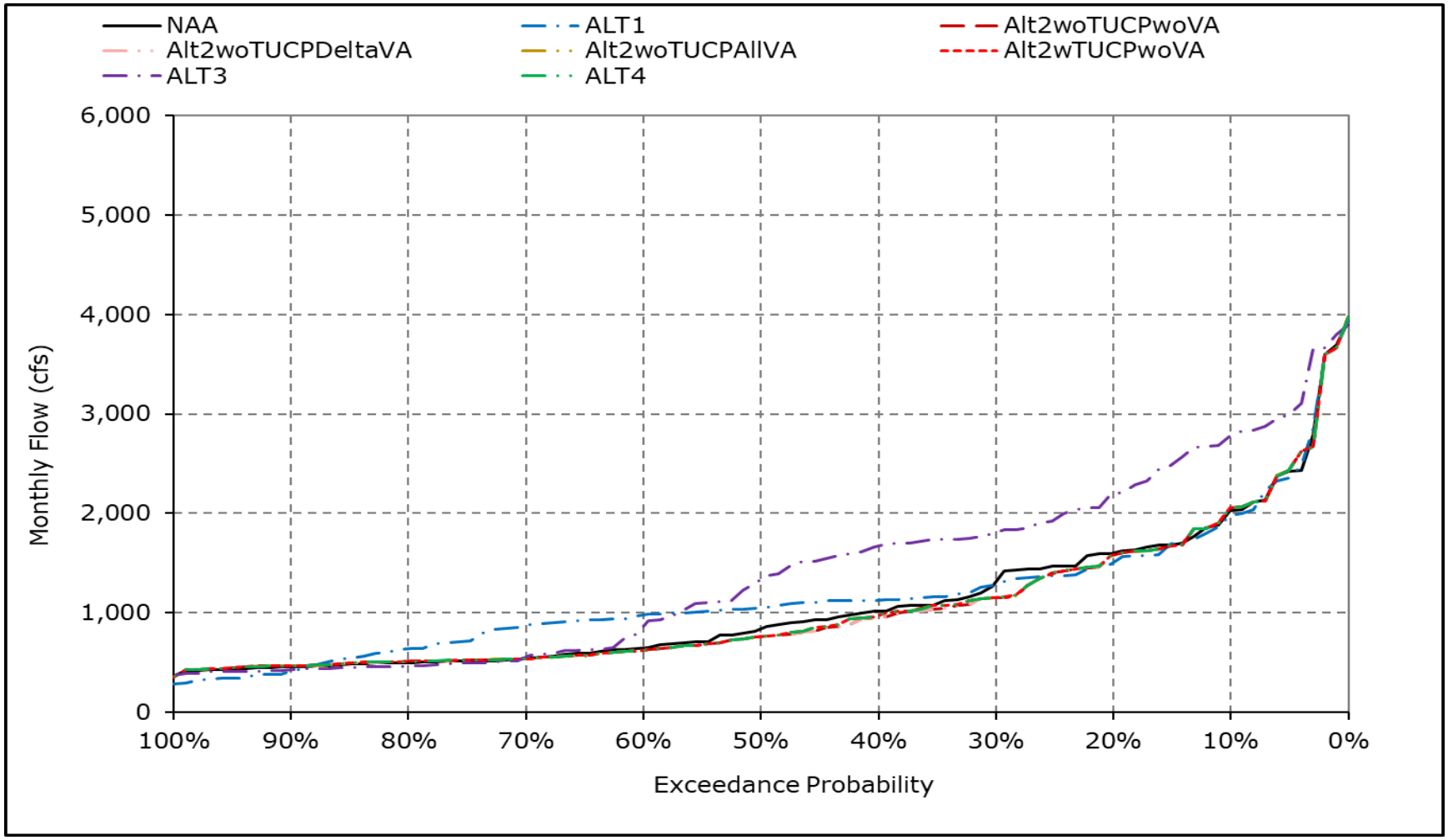
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-11. Stanislaus River Flow at Mouth, February



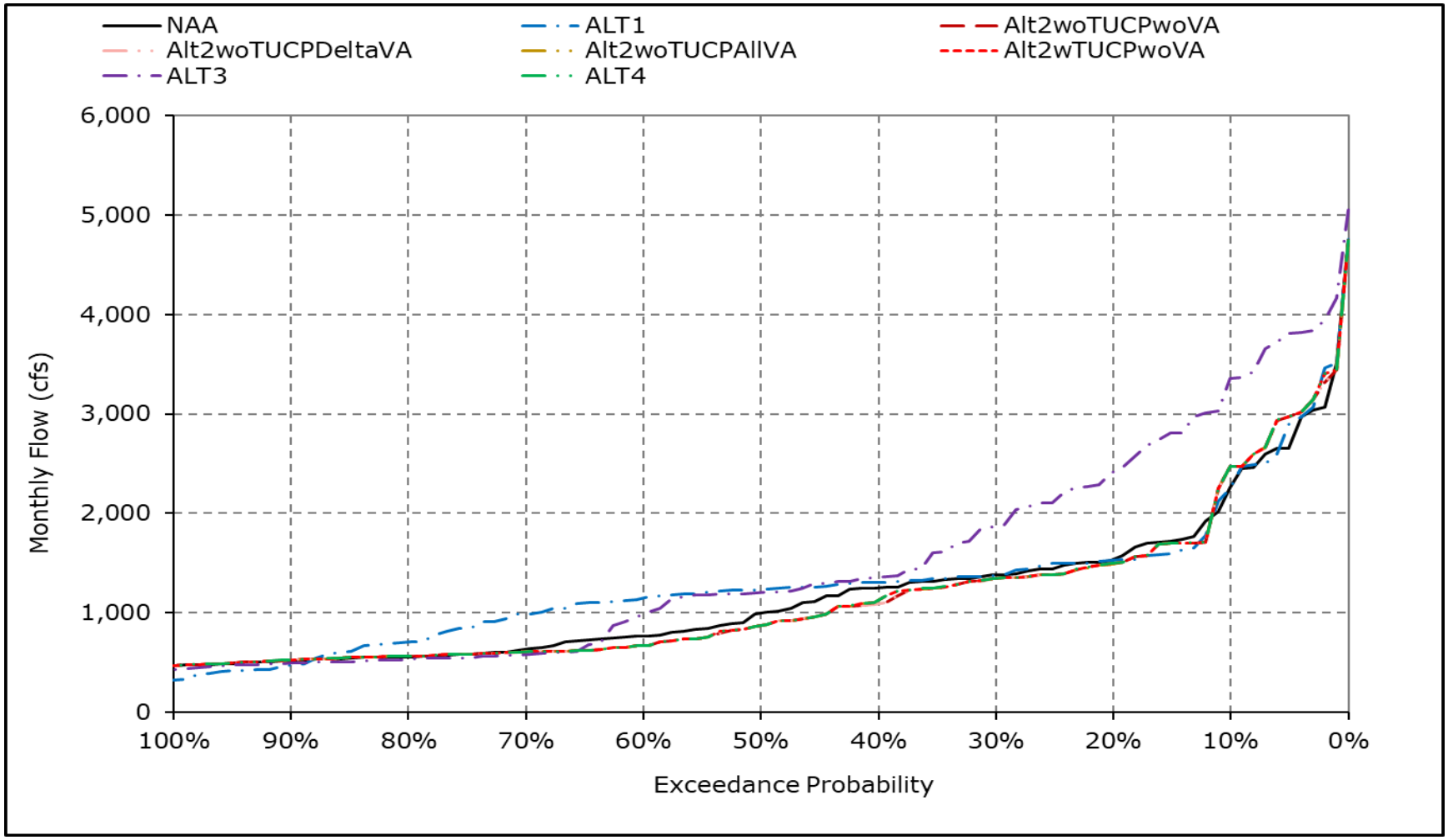
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-12. Stanislaus River Flow at Mouth, March



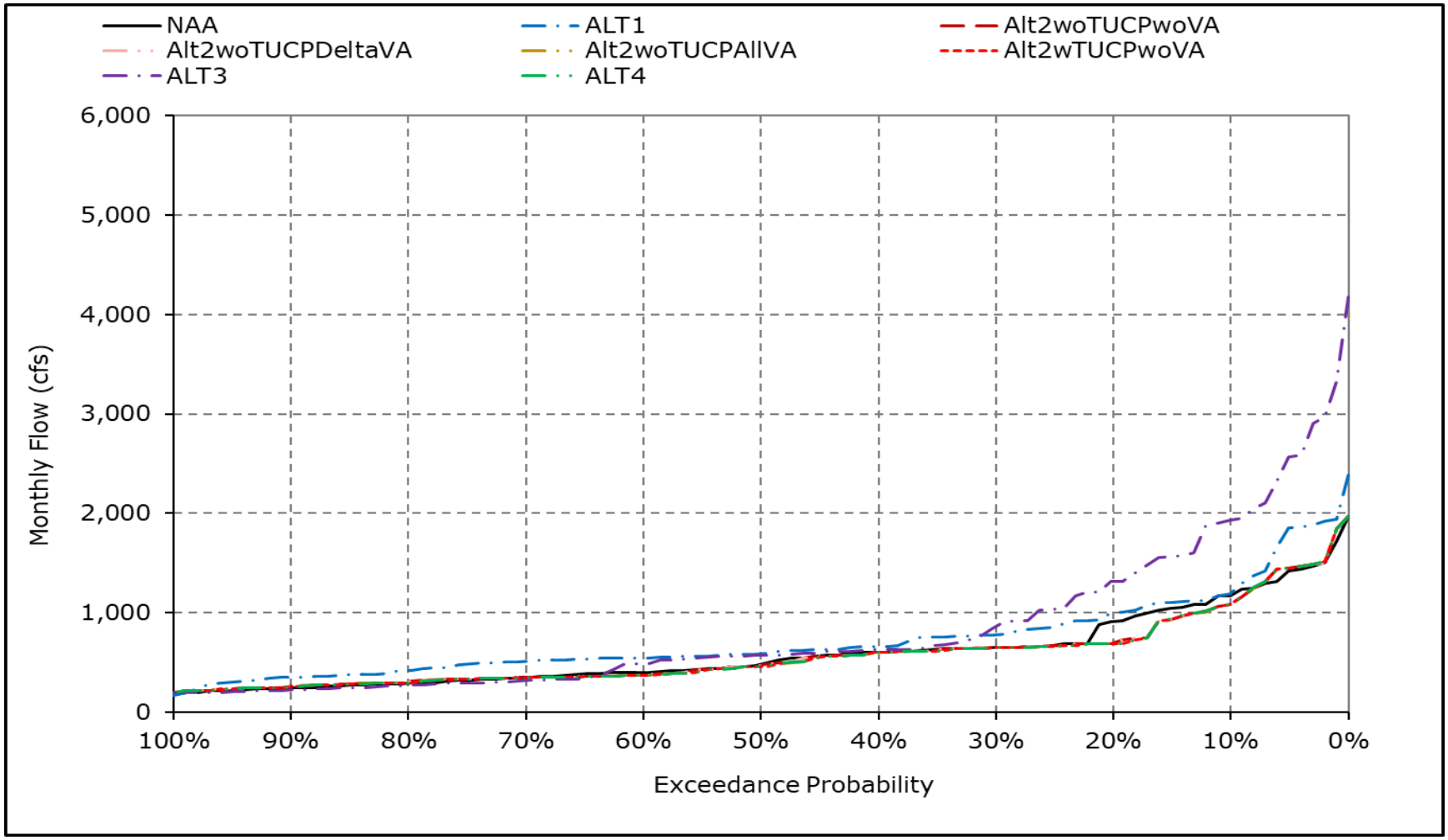
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-13. Stanislaus River Flow at Mouth, April



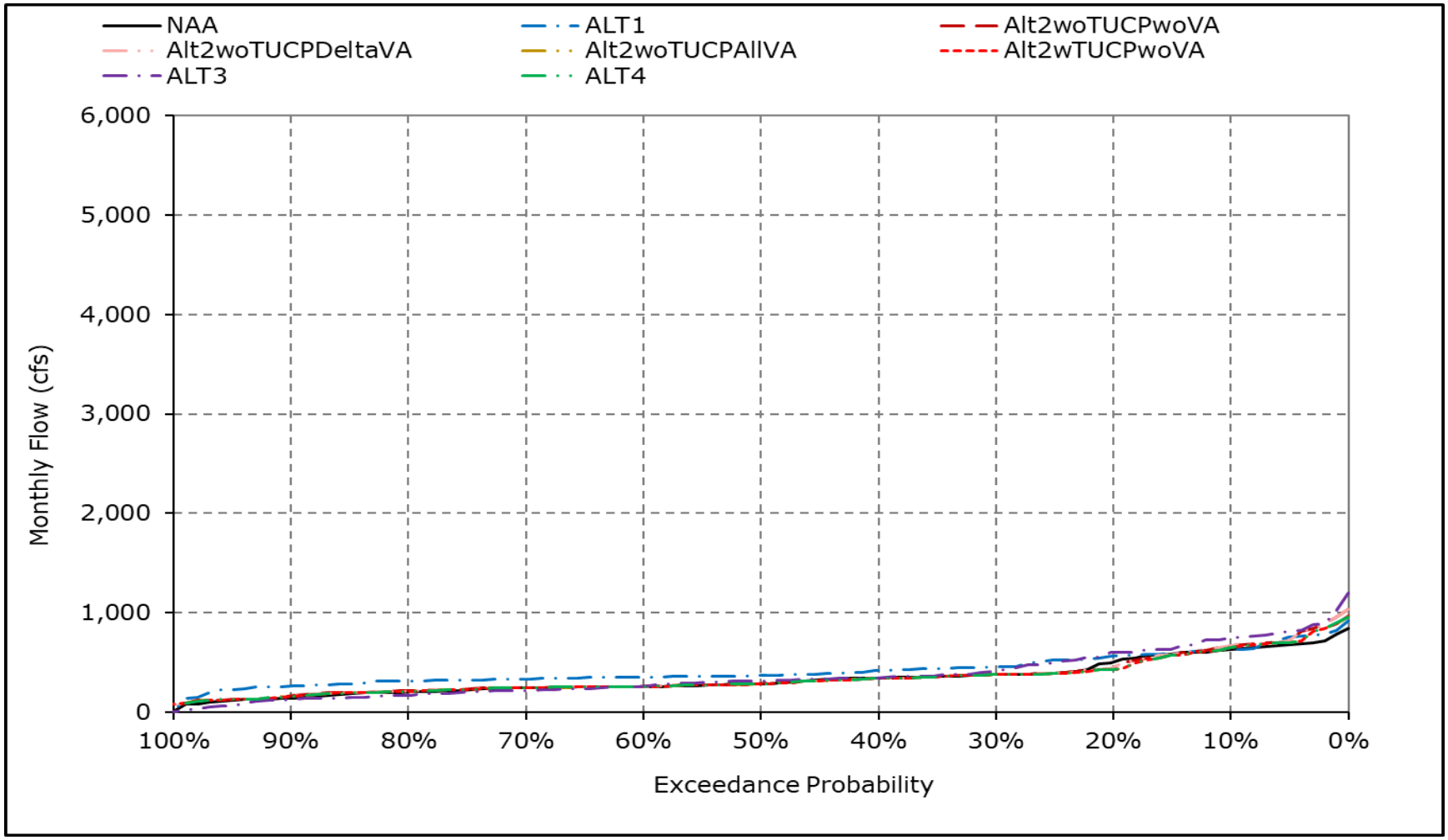
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-14. Stanislaus River Flow at Mouth, May



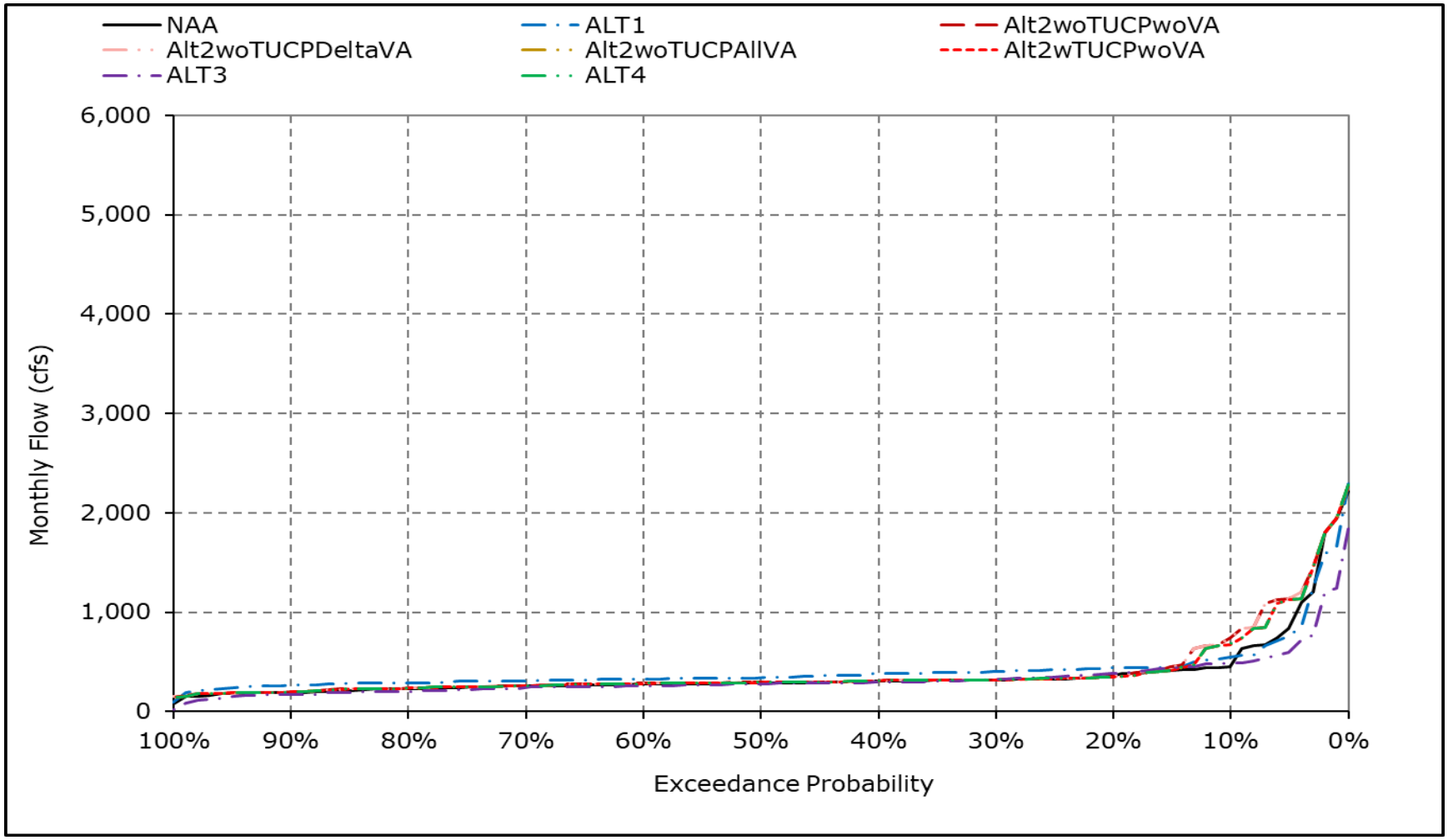
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-15. Stanislaus River Flow at Mouth, June



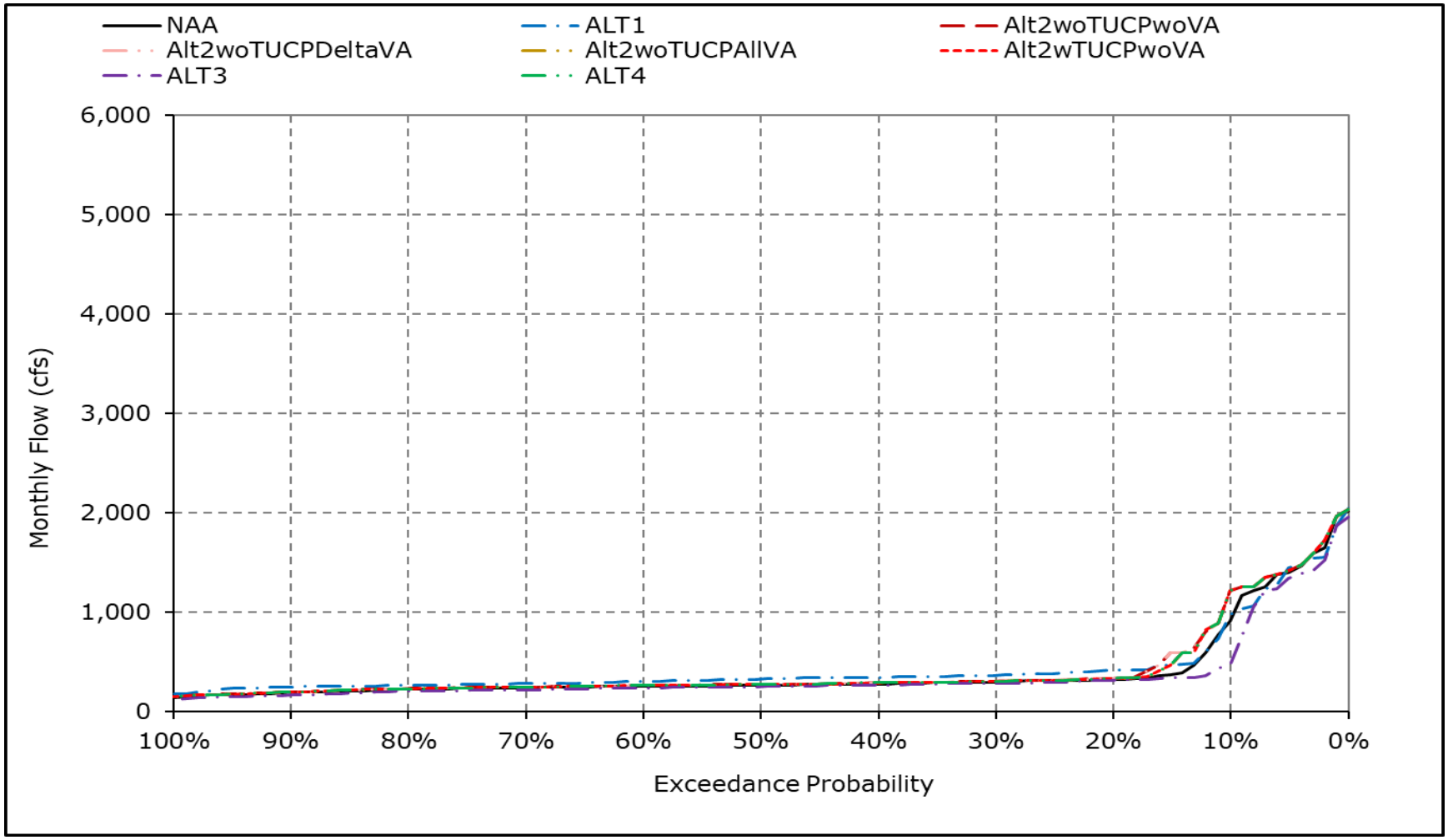
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-16. Stanislaus River Flow at Mouth, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-17. Stanislaus River Flow at Mouth, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-18. Stanislaus River Flow at Mouth, September

Table F.2.2-21-1a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-1b. San Joaquin River at Vernalis, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,173	2,644	5,042	9,798	15,633	14,377	13,496	12,858	8,666	4,065	2,521	2,637
20% Exceedance	2,455	2,250	2,834	5,255	9,101	8,914	9,532	7,702	4,373	2,561	1,766	1,735
30% Exceedance	1,925	2,009	2,136	3,997	5,976	7,086	7,951	5,095	3,101	1,875	1,537	1,469
40% Exceedance	1,699	1,751	1,832	2,799	4,149	4,676	6,481	4,263	2,455	1,726	1,407	1,375
50% Exceedance	1,618	1,542	1,687	2,232	3,268	2,994	4,145	3,341	2,117	1,460	1,237	1,304
60% Exceedance	1,474	1,384	1,523	1,983	2,546	2,635	3,258	2,823	1,806	1,284	1,140	1,155
70% Exceedance	1,336	1,301	1,413	1,838	2,280	2,411	3,061	2,609	1,622	1,168	1,025	1,043
80% Exceedance	1,245	1,218	1,318	1,701	2,047	2,152	2,429	2,053	1,438	848	894	986
90% Exceedance	1,165	1,147	1,228	1,602	1,780	1,988	2,077	1,553	1,237	756	817	887
Full Simulation Period Average[a]	1,929	1,930	2,897	4,635	6,553	6,116	6,521	5,549	3,664	1,977	1,492	1,486
Wet Water Years (28%)	2,883	2,954	4,154	9,785	13,247	12,526	12,545	11,472	7,569	3,652	2,398	2,291
Above Normal Water Years (14%)	2,082	1,803	2,633	4,314	7,167	6,293	6,681	4,786	3,395	2,045	1,571	1,517
Below Normal Water Years (18%)	1,687	1,725	2,733	2,781	4,401	4,143	5,105	4,141	2,600	1,600	1,292	1,277
Dry Water Years (24%)	1,381	1,444	2,604	2,036	2,847	2,651	3,247	2,701	1,671	1,114	1,031	1,082
Critical Water Years (16%)	1,164	1,172	1,483	1,891	2,284	2,159	2,343	1,710	1,249	704	756	888

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-1c. San Joaquin River at Vernalis, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-103	-28	18	61	267	-279	-65	-68	-95	-25	16	-60
20% Exceedance	-143	5	38	167	-52	120	21	35	41	-111	65	78
30% Exceedance	-170	5	75	424	102	-48	12	-62	147	169	88	82
40% Exceedance	-186	-75	50	42	174	69	49	91	78	92	87	48
50% Exceedance	-159	-73	50	55	279	174	357	301	257	198	136	107
60% Exceedance	-88	-75	-4	68	163	137	345	427	230	128	148	120
70% Exceedance	-133	-56	15	74	173	207	462	519	244	176	113	90
80% Exceedance	-152	-49	48	14	92	102	133	235	197	161	131	113
90% Exceedance	-142	-63	26	16	-10	54	0	-2	173	183	165	122
Full Simulation Period Average[a]	-132	-39	34	18	128	53	122	137	170	121	96	79
Wet Water Years (28%)	-99	-3	63	-94	179	26	13	-9	178	75	23	28
Above Normal Water Years (14%)	-139	-73	84	104	105	-39	94	77	195	146	159	150
Below Normal Water Years (18%)	-143	5	11	42	89	39	191	280	161	115	109	62
Dry Water Years (24%)	-161	-70	19	44	115	102	255	295	185	151	106	63
Critical Water Years (16%)	-124	-72	-17	69	122	122	56	45	121	144	140	150

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-2a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-2b. San Joaquin River at Vernalis, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,384	2,672	5,031	9,802	15,574	14,435	13,673	12,908	8,761	4,093	2,582	2,836
20% Exceedance	2,568	2,276	2,809	5,094	9,254	8,807	9,448	7,662	4,327	2,525	1,778	1,678
30% Exceedance	2,098	1,996	2,062	3,656	5,906	7,179	7,943	5,097	2,956	1,706	1,484	1,390
40% Exceedance	1,879	1,828	1,786	2,739	4,142	4,545	6,352	4,133	2,381	1,634	1,372	1,336
50% Exceedance	1,757	1,611	1,628	2,169	3,000	2,805	3,757	2,961	1,856	1,363	1,154	1,205
60% Exceedance	1,569	1,441	1,522	1,902	2,391	2,518	2,922	2,242	1,533	1,194	1,010	1,058
70% Exceedance	1,475	1,356	1,389	1,753	2,171	2,216	2,613	2,066	1,419	1,045	946	965
80% Exceedance	1,382	1,268	1,272	1,691	1,975	2,063	2,303	1,807	1,261	756	831	912
90% Exceedance	1,302	1,196	1,181	1,580	1,824	1,954	2,081	1,550	1,118	602	658	779
Full Simulation Period Average[a]	2,062	1,967	2,881	4,604	6,442	6,060	6,363	5,372	3,476	1,869	1,437	1,433
Wet Water Years (28%)	2,980	2,957	4,107	9,897	13,077	12,467	12,483	11,480	7,334	3,545	2,386	2,270
Above Normal Water Years (14%)	2,217	1,863	2,543	4,070	6,983	6,310	6,568	4,653	3,169	1,893	1,419	1,385
Below Normal Water Years (18%)	1,831	1,720	2,731	2,762	4,374	4,112	4,835	3,737	2,385	1,467	1,211	1,266
Dry Water Years (24%)	1,525	1,497	2,627	1,984	2,772	2,568	2,961	2,361	1,467	950	918	1,013
Critical Water Years (16%)	1,328	1,274	1,514	1,809	2,189	2,056	2,295	1,665	1,233	747	825	828

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-2c. San Joaquin River at Vernalis, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	0	7	66	208	-220	112	-18	0	2	77	139
20% Exceedance	-30	31	12	6	101	14	-64	-5	-5	-147	77	22
30% Exceedance	3	-7	1	82	32	45	3	-61	1	1	35	2
40% Exceedance	-6	2	4	-17	167	-61	-80	-38	5	0	52	9
50% Exceedance	-20	-3	-8	-8	11	-15	-31	-80	-3	101	54	7
60% Exceedance	7	-18	-6	-14	8	20	9	-155	-43	38	18	23
70% Exceedance	6	0	-9	-11	64	13	15	-25	41	53	34	13
80% Exceedance	-15	1	2	3	20	12	7	-11	20	69	68	39
90% Exceedance	-6	-14	-21	-7	34	19	4	-5	54	29	6	14
Full Simulation Period Average[a]	1	-2	17	-14	17	-3	-37	-41	-18	13	41	27
Wet Water Years (28%)	-2	-1	16	18	9	-33	-49	-1	-57	-32	11	7
Above Normal Water Years (14%)	-5	-14	-7	-141	-79	-22	-19	-57	-32	-6	7	18
Below Normal Water Years (18%)	1	0	9	24	62	8	-79	-124	-54	-19	28	51
Dry Water Years (24%)	-18	-18	42	-7	41	19	-31	-44	-19	-13	-7	-6
Critical Water Years (16%)	40	30	15	-12	28	19	8	0	105	187	208	90

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-3a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-3b. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,369	2,669	5,031	9,792	15,873	14,421	13,673	12,921	8,762	4,094	2,581	2,837
20% Exceedance	2,564	2,276	2,808	5,100	9,247	8,808	9,460	7,661	4,331	2,527	1,758	1,678
30% Exceedance	2,098	1,996	2,062	3,655	5,906	7,179	7,940	5,098	2,954	1,712	1,482	1,384
40% Exceedance	1,872	1,828	1,785	2,736	4,144	4,544	6,420	4,135	2,387	1,629	1,374	1,336
50% Exceedance	1,744	1,619	1,634	2,169	3,000	2,889	3,848	2,967	1,857	1,348	1,155	1,209
60% Exceedance	1,588	1,451	1,525	1,901	2,452	2,592	2,951	2,240	1,535	1,194	1,011	1,055
70% Exceedance	1,464	1,362	1,405	1,755	2,172	2,335	2,690	2,075	1,420	1,045	941	995
80% Exceedance	1,383	1,266	1,274	1,697	1,989	2,144	2,313	1,807	1,278	760	826	921
90% Exceedance	1,299	1,201	1,193	1,578	1,854	2,025	2,167	1,583	1,111	609	666	783
Full Simulation Period Average[a]	2,062	1,970	2,884	4,604	6,455	6,104	6,391	5,380	3,479	1,869	1,436	1,432
Wet Water Years (28%)	2,979	2,958	4,109	9,896	13,076	12,455	12,483	11,482	7,334	3,545	2,384	2,268
Above Normal Water Years (14%)	2,224	1,867	2,543	4,070	6,984	6,320	6,585	4,659	3,172	1,895	1,417	1,392
Below Normal Water Years (18%)	1,821	1,718	2,731	2,764	4,406	4,173	4,869	3,754	2,386	1,464	1,207	1,260
Dry Water Years (24%)	1,530	1,499	2,631	1,985	2,791	2,663	3,024	2,372	1,473	950	916	1,015
Critical Water Years (16%)	1,326	1,284	1,524	1,809	2,208	2,134	2,322	1,676	1,240	748	828	824

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-3c. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	-2	7	56	507	-235	112	-5	2	3	75	140
20% Exceedance	-35	31	11	12	94	15	-51	-6	-1	-146	57	21
30% Exceedance	3	-7	1	82	32	45	1	-59	0	7	33	-3
40% Exceedance	-14	2	4	-20	169	-63	-12	-36	10	-4	54	9
50% Exceedance	-34	4	-2	-8	11	69	60	-73	-2	86	54	11
60% Exceedance	26	-8	-3	-15	69	94	38	-157	-41	39	19	19
70% Exceedance	-5	6	6	-9	65	131	91	-15	42	53	29	42
80% Exceedance	-14	-1	4	9	34	94	17	-11	37	73	62	48
90% Exceedance	-9	-9	-9	-8	64	91	90	28	47	35	14	18
Full Simulation Period Average[a]	1	1	20	-14	30	41	-9	-33	-15	13	39	26
Wet Water Years (28%)	-2	0	18	17	9	-45	-49	1	-56	-32	10	5
Above Normal Water Years (14%)	3	-10	-7	-140	-79	-12	-1	-50	-29	-4	5	25
Below Normal Water Years (18%)	-8	-1	10	26	94	69	-45	-108	-53	-22	25	45
Dry Water Years (24%)	-12	-16	46	-7	60	113	32	-34	-13	-13	-10	-5
Critical Water Years (16%)	38	40	24	-12	47	97	35	11	112	188	212	86

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-4a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-4b. San Joaquin River at Vernalis, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,385	2,670	5,033	9,791	15,579	14,431	13,675	12,921	8,763	4,103	2,581	2,837
20% Exceedance	2,569	2,274	2,809	5,091	9,257	8,808	9,460	7,873	4,333	2,559	1,682	1,678
30% Exceedance	2,099	1,996	2,062	3,656	5,907	7,227	7,942	5,098	2,956	1,868	1,481	1,389
40% Exceedance	1,877	1,829	1,787	2,737	4,146	4,550	6,428	4,135	2,388	1,697	1,367	1,336
50% Exceedance	1,745	1,610	1,627	2,197	3,047	2,942	3,850	2,977	1,847	1,406	1,141	1,191
60% Exceedance	1,555	1,455	1,534	1,901	2,458	2,594	2,953	2,237	1,531	1,203	1,020	1,068
70% Exceedance	1,462	1,354	1,394	1,756	2,172	2,340	2,689	2,074	1,417	1,063	945	1,000
80% Exceedance	1,382	1,265	1,268	1,698	1,990	2,145	2,315	1,810	1,273	791	829	922
90% Exceedance	1,302	1,207	1,194	1,579	1,856	2,036	2,167	1,576	1,110	598	672	795
Full Simulation Period Average[a]	2,061	1,968	2,884	4,618	6,459	6,118	6,397	5,387	3,475	1,918	1,431	1,435
Wet Water Years (28%)	2,980	2,957	4,107	9,925	13,089	12,488	12,500	11,489	7,338	3,572	2,386	2,272
Above Normal Water Years (14%)	2,218	1,861	2,541	4,091	7,000	6,337	6,590	4,661	3,174	2,016	1,435	1,400
Below Normal Water Years (18%)	1,826	1,719	2,733	2,773	4,389	4,174	4,870	3,778	2,389	1,578	1,220	1,269
Dry Water Years (24%)	1,535	1,504	2,642	1,986	2,793	2,673	3,024	2,373	1,474	1,004	921	1,024
Critical Water Years (16%)	1,315	1,270	1,513	1,814	2,211	2,135	2,322	1,675	1,205	691	757	804

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-4c. San Joaquin River at Vernalis, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	-1	8	55	213	-225	113	-5	2	12	76	140
20% Exceedance	-29	29	13	3	103	14	-51	206	1	-114	-19	22
30% Exceedance	3	-7	2	83	33	92	3	-59	2	163	32	2
40% Exceedance	-8	2	5	-20	171	-56	-4	-36	11	64	47	9
50% Exceedance	-32	-4	-9	19	59	122	62	-64	-13	143	41	-7
60% Exceedance	-7	-4	6	-14	76	96	39	-160	-45	47	28	32
70% Exceedance	-7	-2	-4	-8	65	136	90	-16	39	70	33	47
80% Exceedance	-14	-2	-3	10	36	94	18	-8	33	104	65	49
90% Exceedance	-6	-3	-8	-7	66	102	89	20	46	25	20	30
Full Simulation Period Average[a]	0	-1	21	0	33	55	-3	-26	-18	62	35	28
Wet Water Years (28%)	-2	-1	16	46	21	-12	-31	7	-53	-5	12	9
Above Normal Water Years (14%)	-4	-15	-9	-120	-63	5	3	-48	-27	117	23	33
Below Normal Water Years (18%)	-4	-1	11	35	77	69	-44	-84	-50	92	37	54
Dry Water Years (24%)	-8	-11	57	-6	61	124	32	-32	-12	41	-4	5
Critical Water Years (16%)	27	27	14	-8	49	97	36	11	76	131	141	66

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-5a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-5b. San Joaquin River at Vernalis, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,384	2,670	5,034	9,737	15,519	14,437	13,674	12,908	8,760	4,092	2,582	2,836
20% Exceedance	2,569	2,276	2,810	5,092	9,257	8,811	9,452	7,670	4,327	2,525	1,679	1,679
30% Exceedance	2,099	1,996	2,062	3,658	5,901	7,226	7,943	5,097	2,957	1,713	1,481	1,391
40% Exceedance	1,865	1,830	1,786	2,750	4,142	4,545	6,347	4,133	2,388	1,634	1,368	1,337
50% Exceedance	1,760	1,617	1,634	2,191	3,020	2,817	3,757	2,970	1,845	1,335	1,139	1,194
60% Exceedance	1,548	1,435	1,521	1,902	2,391	2,518	2,923	2,244	1,523	1,175	1,008	1,052
70% Exceedance	1,457	1,356	1,383	1,753	2,171	2,217	2,615	2,068	1,417	1,024	943	973
80% Exceedance	1,382	1,265	1,269	1,676	1,973	2,064	2,304	1,809	1,261	705	818	916
90% Exceedance	1,292	1,214	1,183	1,577	1,837	1,954	2,082	1,551	1,118	576	647	768
Full Simulation Period Average[a]	2,057	1,963	2,878	4,606	6,445	6,069	6,368	5,376	3,472	1,859	1,425	1,428
Wet Water Years (28%)	2,981	2,958	4,108	9,896	13,079	12,489	12,496	11,490	7,336	3,546	2,386	2,272
Above Normal Water Years (14%)	2,203	1,861	2,543	4,092	7,004	6,328	6,572	4,654	3,171	1,896	1,421	1,373
Below Normal Water Years (18%)	1,826	1,718	2,731	2,768	4,372	4,112	4,837	3,742	2,391	1,473	1,215	1,268
Dry Water Years (24%)	1,535	1,503	2,637	1,979	2,771	2,569	2,962	2,363	1,469	951	920	1,018
Critical Water Years (16%)	1,299	1,241	1,483	1,803	2,187	2,056	2,295	1,666	1,192	673	742	797

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-5c. San Joaquin River at Vernalis, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	-1	10	1	153	-219	112	-18	0	2	77	139
20% Exceedance	-29	31	13	3	103	17	-60	4	-5	-148	-22	23
30% Exceedance	3	-7	2	84	27	92	4	-60	2	8	32	3
40% Exceedance	-20	4	4	-6	167	-62	-85	-38	11	0	48	10
50% Exceedance	-17	3	-3	13	31	-2	-31	-71	-15	73	39	-3
60% Exceedance	-14	-24	-7	-14	9	20	10	-153	-53	19	15	17
70% Exceedance	-12	-1	-15	-11	64	13	16	-22	40	32	31	20
80% Exceedance	-14	-2	-1	-12	19	13	8	-9	20	18	54	43
90% Exceedance	-15	4	-20	-9	47	20	4	-5	54	3	-5	3
Full Simulation Period Average[a]	-4	-6	15	-12	19	6	-32	-37	-22	4	29	22
Wet Water Years (28%)	-1	0	17	17	11	-10	-35	8	-54	-31	12	8
Above Normal Water Years (14%)	-19	-15	-6	-118	-59	-4	-15	-55	-30	-3	9	6
Below Normal Water Years (18%)	-4	-1	9	29	60	8	-77	-119	-48	-13	32	53
Dry Water Years (24%)	-7	-11	51	-12	39	19	-30	-42	-18	-12	-5	-1
Critical Water Years (16%)	10	-3	-17	-18	26	19	8	1	63	113	126	59

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-6a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-6b. San Joaquin River at Vernalis, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,130	2,543	4,452	9,214	15,340	14,093	11,251	12,721	7,782	2,841	2,230	2,107
20% Exceedance	2,413	2,131	2,702	4,991	8,887	8,940	7,069	7,636	4,114	1,785	1,528	1,503
30% Exceedance	1,933	1,854	1,983	3,451	6,399	6,975	5,882	5,018	2,655	1,483	1,154	1,217
40% Exceedance	1,750	1,712	1,681	2,631	4,694	4,623	4,569	4,046	2,228	1,343	1,055	1,141
50% Exceedance	1,611	1,507	1,545	2,140	3,103	3,238	3,472	3,606	1,923	1,097	903	969
60% Exceedance	1,469	1,388	1,464	1,807	2,313	2,455	2,873	2,833	1,564	951	830	881
70% Exceedance	1,367	1,253	1,303	1,694	2,067	2,159	2,199	1,969	1,255	789	743	820
80% Exceedance	1,301	1,178	1,185	1,603	1,905	1,811	2,039	1,692	1,133	556	629	791
90% Exceedance	1,181	1,122	1,116	1,463	1,722	1,679	1,893	1,443	1,003	469	508	634
Full Simulation Period Average[a]	1,925	1,862	2,700	4,449	6,507	6,035	5,346	5,414	3,364	1,479	1,171	1,231
Wet Water Years (28%)	2,799	2,828	3,967	9,610	13,336	12,558	10,509	11,356	7,196	2,803	2,017	1,989
Above Normal Water Years (14%)	2,088	1,781	2,400	3,925	7,222	6,436	5,255	4,808	3,015	1,483	1,172	1,168
Below Normal Water Years (18%)	1,698	1,595	2,461	2,647	4,257	4,086	4,119	3,911	2,303	1,219	1,002	1,090
Dry Water Years (24%)	1,430	1,408	2,380	1,896	2,772	2,455	2,510	2,507	1,422	803	756	878
Critical Water Years (16%)	1,193	1,184	1,435	1,732	2,065	1,832	2,024	1,596	1,068	466	504	646

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-6c. San Joaquin River at Vernalis, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-146	-128	-572	-522	-26	-563	-2,310	-205	-979	-1,249	-276	-589
20% Exceedance	-185	-114	-95	-97	-266	147	-2,442	-31	-218	-888	-173	-153
30% Exceedance	-162	-150	-78	-122	525	-159	-2,057	-139	-300	-223	-295	-171
40% Exceedance	-135	-114	-101	-126	719	16	-1,863	-125	-148	-290	-265	-185
50% Exceedance	-166	-107	-92	-37	114	418	-316	565	63	-166	-197	-229
60% Exceedance	-94	-71	-64	-108	-70	-42	-40	437	-12	-205	-162	-154
70% Exceedance	-102	-103	-95	-70	-40	-45	-400	-121	-123	-204	-169	-133
80% Exceedance	-95	-89	-85	-85	-50	-239	-258	-126	-107	-131	-135	-82
90% Exceedance	-126	-88	-86	-123	-68	-255	-184	-113	-61	-105	-144	-131
Full Simulation Period Average[a]	-136	-108	-163	-169	82	-28	-1,054	1	-130	-377	-225	-176
Wet Water Years (28%)	-183	-129	-124	-269	268	58	-2,023	-125	-195	-774	-358	-274
Above Normal Water Years (14%)	-134	-96	-149	-286	159	104	-1,332	99	-186	-417	-240	-199
Below Normal Water Years (18%)	-132	-124	-261	-92	-55	-18	-795	49	-136	-266	-180	-125
Dry Water Years (24%)	-112	-107	-205	-96	40	-95	-482	101	-65	-160	-170	-141
Critical Water Years (16%)	-95	-60	-64	-90	-97	-205	-263	-68	-60	-94	-112	-92

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-7a. San Joaquin River at Vernalis, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (28%)	2,982	2,957	4,091	9,879	13,068	12,499	12,532	11,481	7,391	3,577	2,375	2,263
Above Normal Water Years (14%)	2,222	1,876	2,549	4,210	7,063	6,332	6,587	4,709	3,201	1,899	1,412	1,367
Below Normal Water Years (18%)	1,830	1,720	2,722	2,738	4,312	4,104	4,914	3,862	2,439	1,486	1,183	1,215
Dry Water Years (24%)	1,542	1,514	2,585	1,992	2,732	2,550	2,992	2,406	1,486	963	925	1,019
Critical Water Years (16%)	1,288	1,244	1,499	1,821	2,162	2,038	2,287	1,665	1,129	560	616	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-7b. San Joaquin River at Vernalis, Alternative 4, Monthly Flow (cfs)

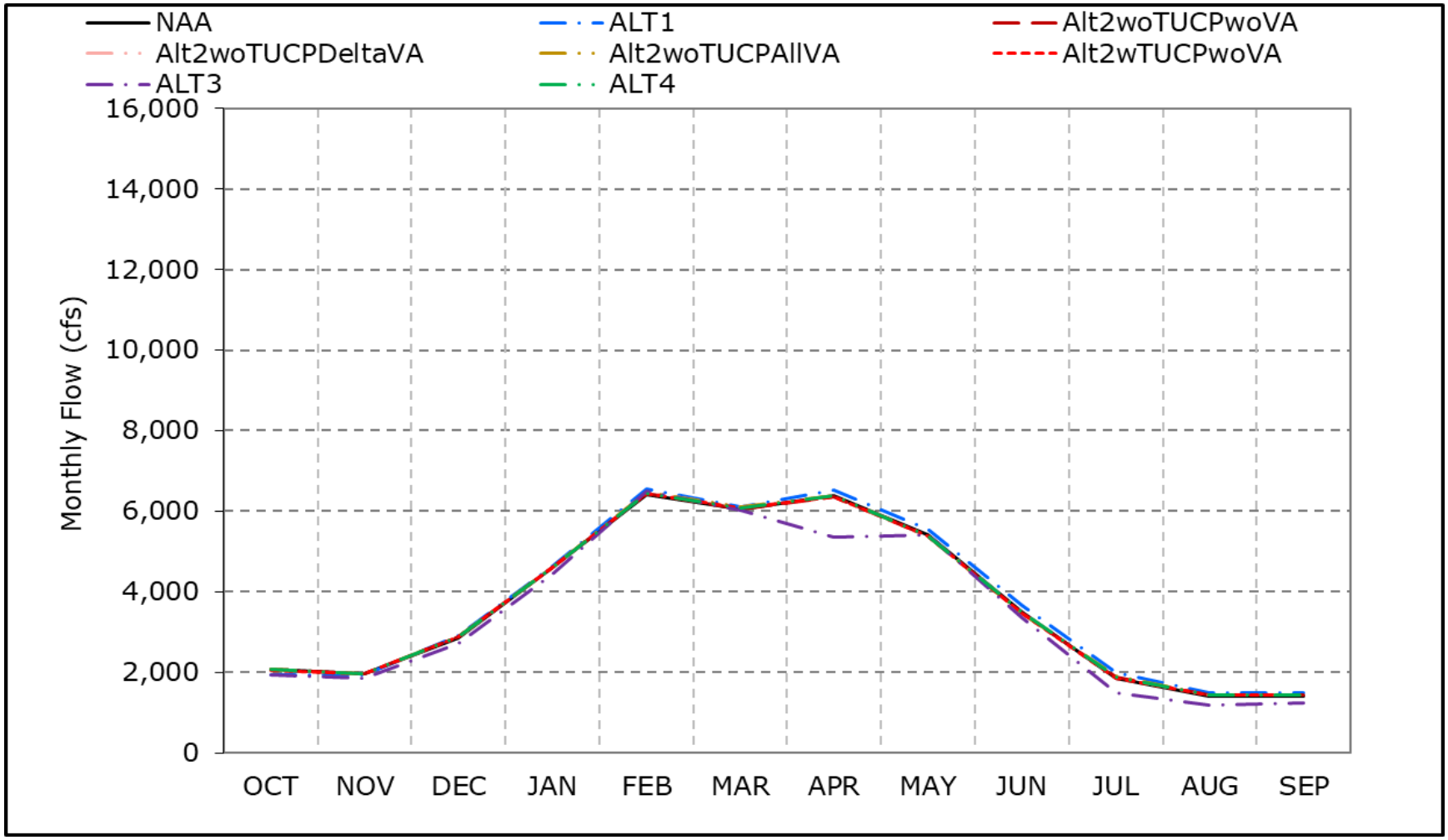
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,390	2,673	5,038	9,721	15,523	14,456	13,670	12,919	8,773	4,100	2,588	2,841
20% Exceedance	2,575	2,281	2,813	5,075	9,261	8,817	9,467	7,688	4,341	2,531	1,680	1,683
30% Exceedance	2,104	2,005	2,066	3,665	5,906	7,230	7,957	5,103	2,961	1,729	1,491	1,400
40% Exceedance	1,863	1,837	1,790	2,760	4,148	4,575	6,360	4,139	2,394	1,636	1,372	1,334
50% Exceedance	1,757	1,627	1,641	2,193	3,026	2,841	3,770	2,977	1,850	1,342	1,134	1,185
60% Exceedance	1,590	1,449	1,522	1,911	2,399	2,526	2,931	2,242	1,532	1,171	1,029	1,069
70% Exceedance	1,489	1,369	1,402	1,763	2,179	2,218	2,616	2,068	1,416	1,025	952	1,001
80% Exceedance	1,405	1,278	1,286	1,700	1,979	2,068	2,315	1,822	1,265	707	785	913
90% Exceedance	1,323	1,207	1,200	1,584	1,840	1,962	2,086	1,554	1,124	591	678	816
Full Simulation Period Average[a]	2,070	1,975	2,890	4,614	6,451	6,078	6,375	5,385	3,480	1,869	1,434	1,440
Wet Water Years (28%)	2,987	2,967	4,117	9,902	13,087	12,500	12,506	11,499	7,345	3,553	2,391	2,273
Above Normal Water Years (14%)	2,229	1,875	2,551	4,096	7,011	6,343	6,585	4,666	3,183	1,906	1,432	1,396
Below Normal Water Years (18%)	1,834	1,726	2,739	2,776	4,378	4,123	4,843	3,757	2,405	1,488	1,231	1,283
Dry Water Years (24%)	1,543	1,514	2,640	1,991	2,776	2,577	2,968	2,370	1,474	958	924	1,028
Critical Water Years (16%)	1,324	1,263	1,518	1,814	2,194	2,060	2,299	1,669	1,197	681	752	815

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-21-7c. San Joaquin River at Vernalis, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

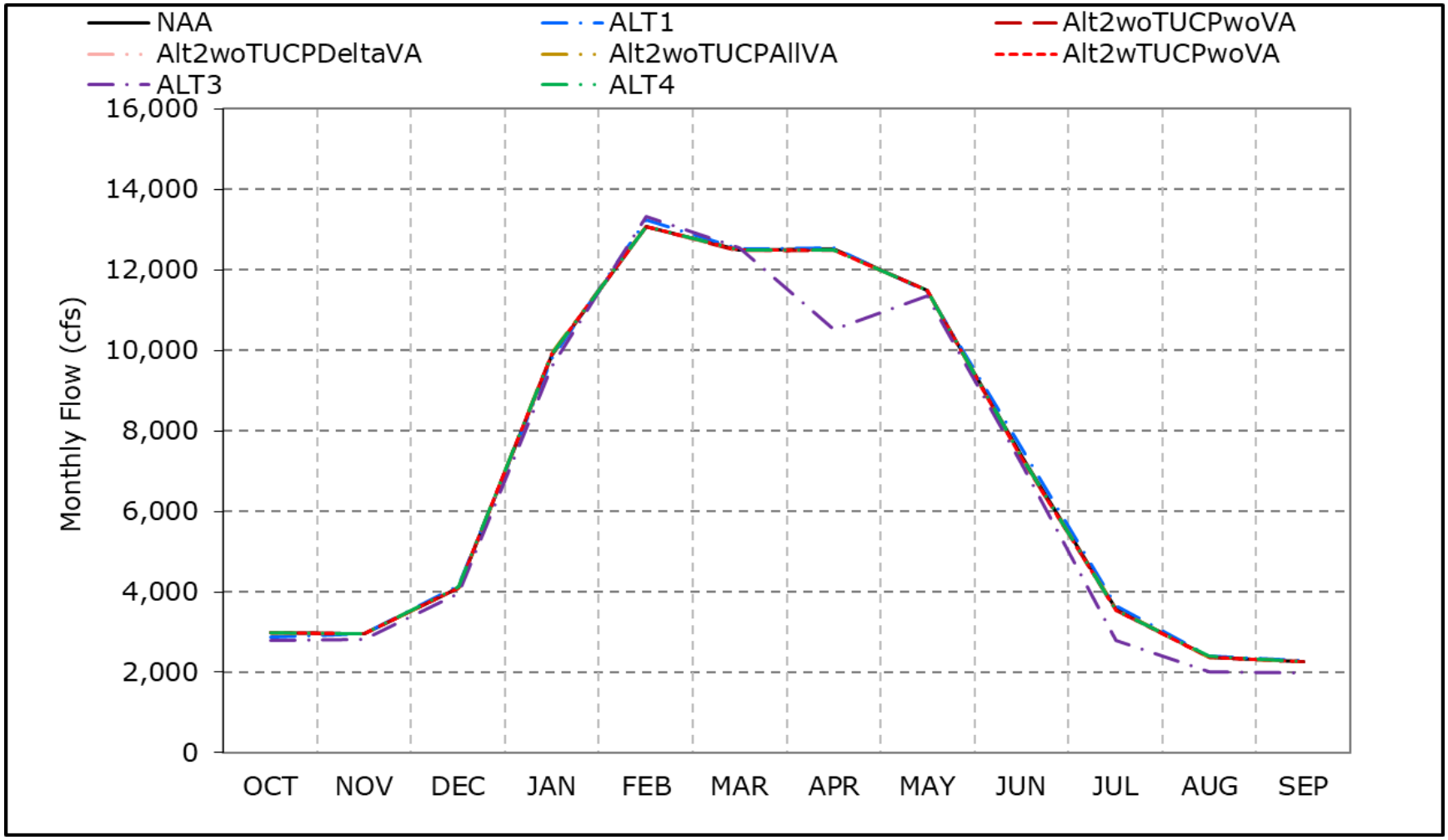
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	2	14	-16	157	-200	109	-7	12	10	83	145
20% Exceedance	-23	36	16	-13	108	23	-44	21	9	-142	-21	27
30% Exceedance	8	2	5	92	32	96	17	-54	6	23	42	13
40% Exceedance	-23	10	9	3	174	-32	-72	-33	17	3	52	8
50% Exceedance	-21	12	4	15	37	21	-18	-64	-10	80	34	-13
60% Exceedance	28	-10	-5	-5	16	29	18	-155	-44	16	37	34
70% Exceedance	19	13	4	-1	72	15	18	-22	38	32	40	48
80% Exceedance	8	11	16	12	25	17	19	4	24	20	21	40
90% Exceedance	15	-2	-2	-2	49	28	9	-2	60	18	26	51
Full Simulation Period Average[a]	9	6	27	-4	26	15	-24	-28	-13	13	37	33
Wet Water Years (28%)	6	9	26	23	19	0	-25	18	-45	-24	16	10
Above Normal Water Years (14%)	7	-1	1	-114	-52	11	-2	-43	-18	6	21	29
Below Normal Water Years (18%)	5	6	18	38	66	18	-71	-105	-34	3	49	68
Dry Water Years (24%)	1	0	55	-1	44	28	-24	-35	-12	-5	-2	8
Critical Water Years (16%)	36	19	19	-8	32	23	12	5	68	121	136	77

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



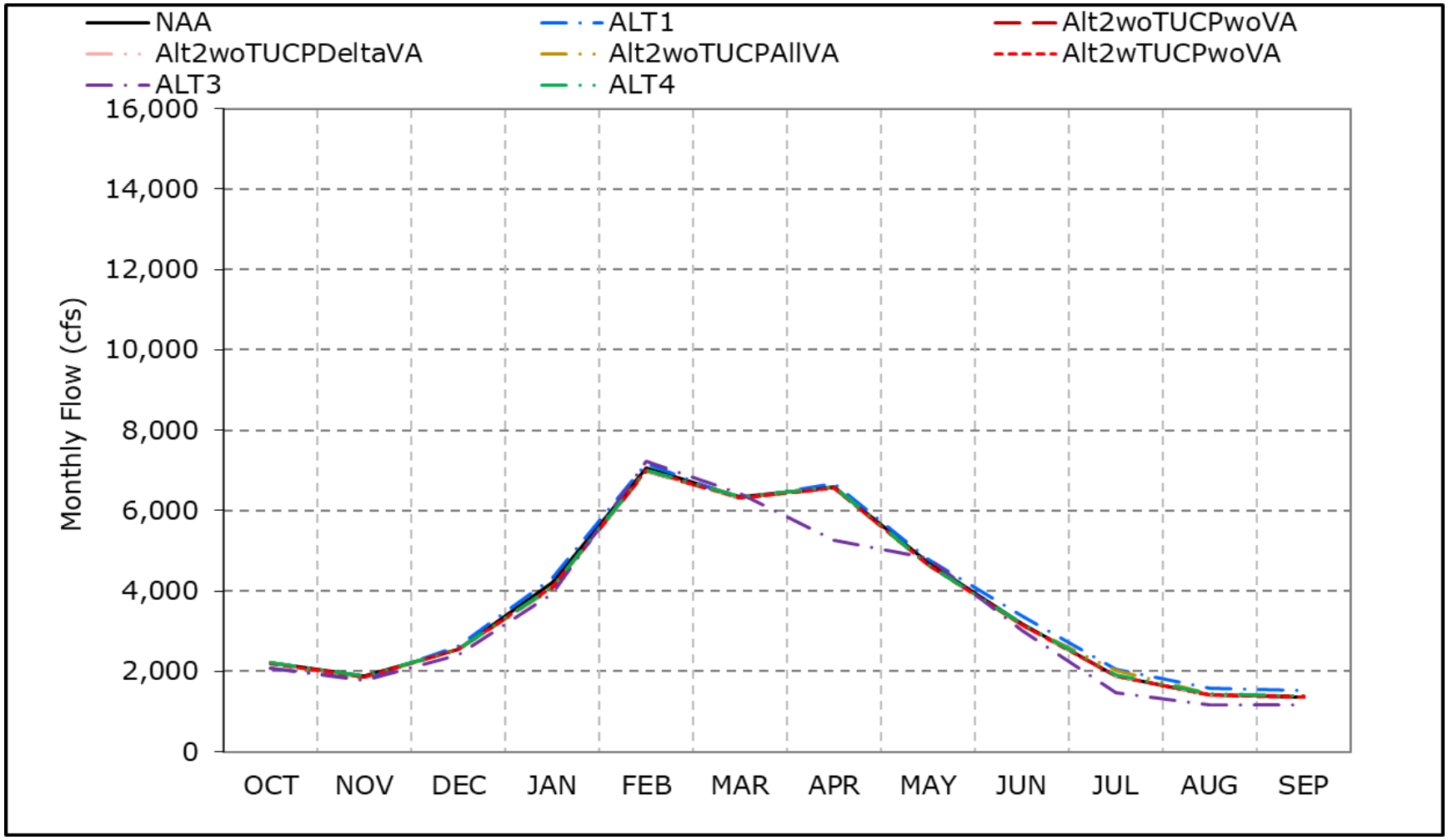
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-1. San Joaquin River at Vernalis, Long-Term Average Flow



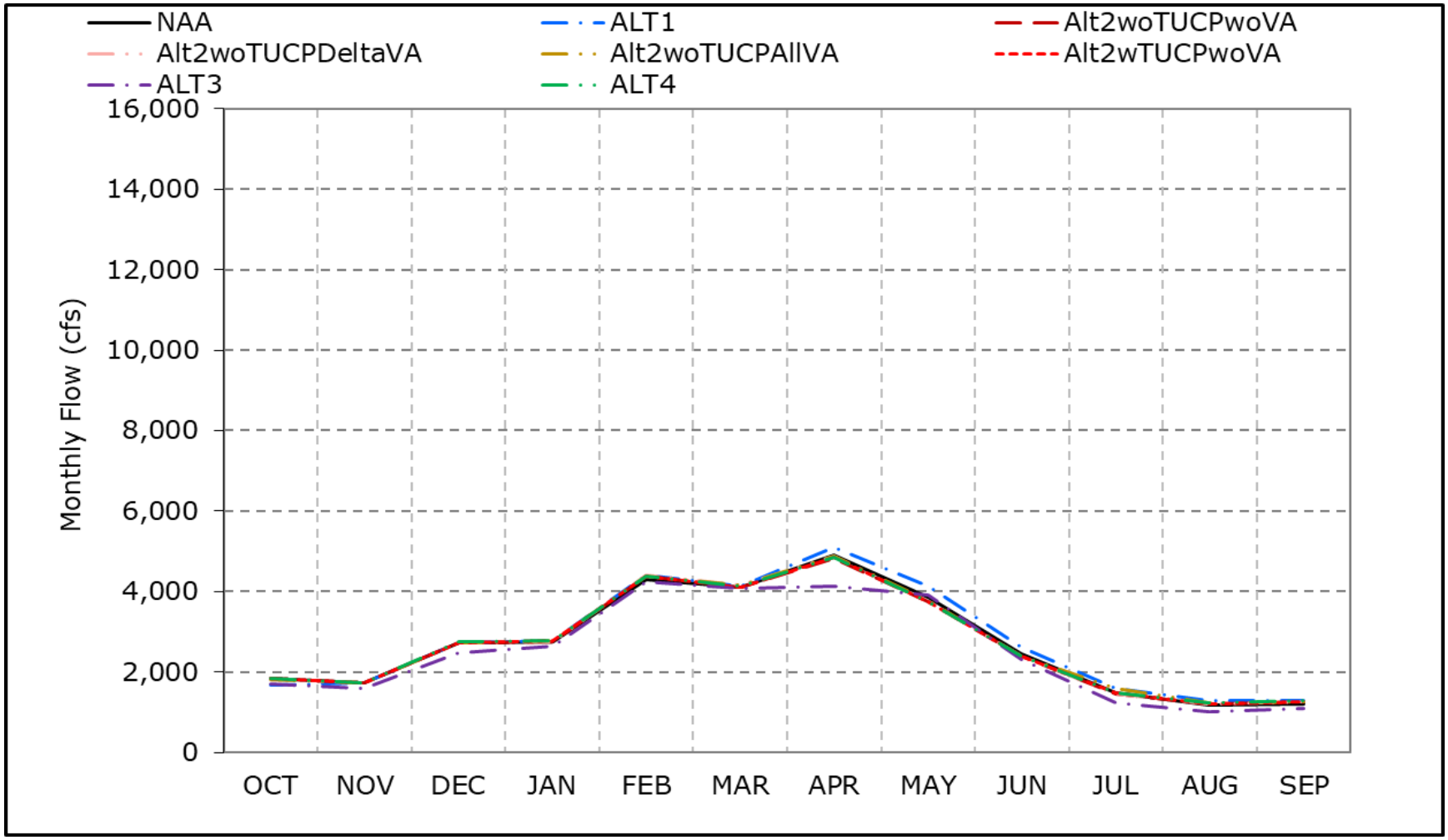
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-2. San Joaquin River at Vernalis, Wet Year Average Flow



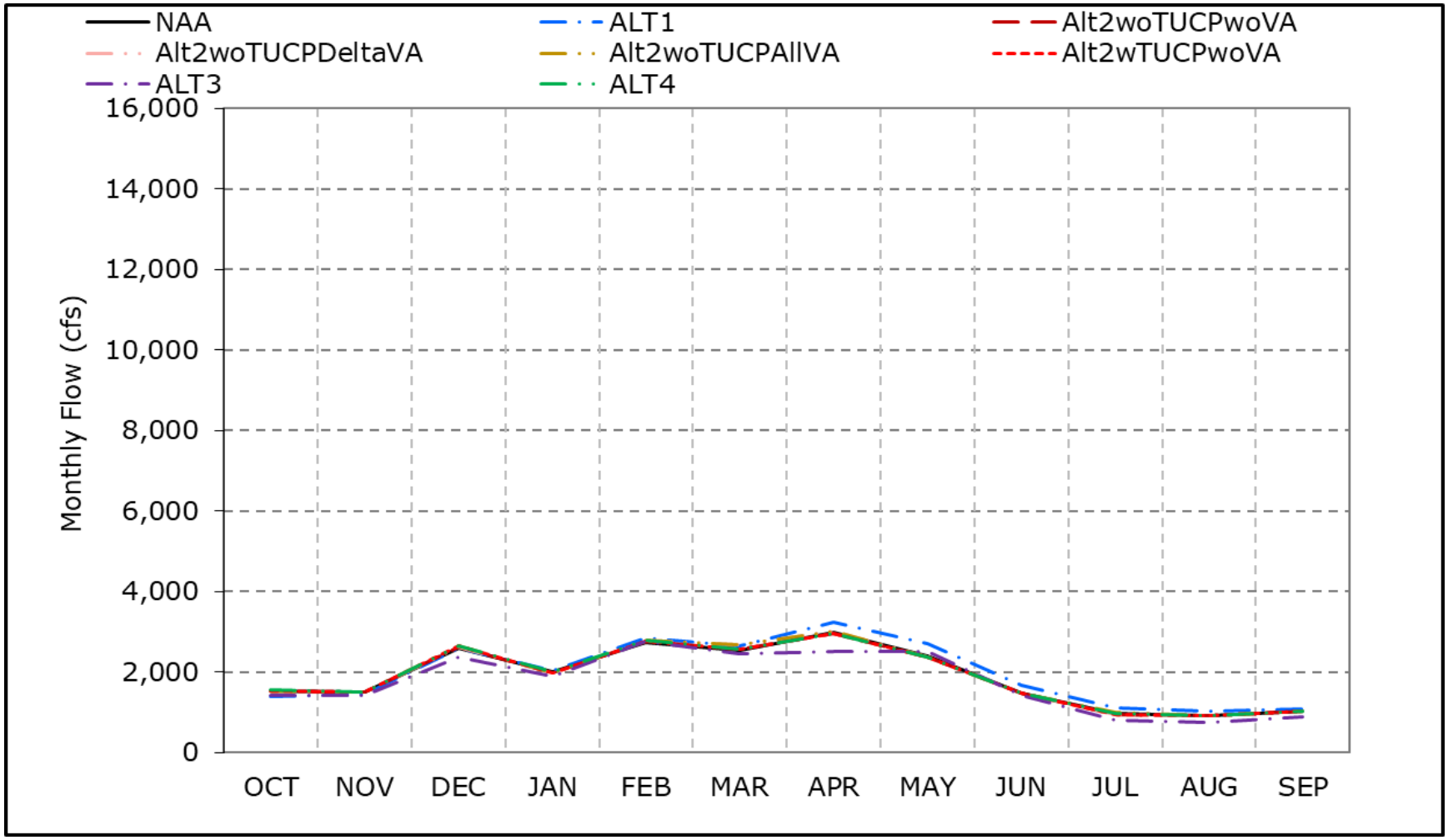
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-3. San Joaquin River at Vernalis, Above Normal Year Average Flow



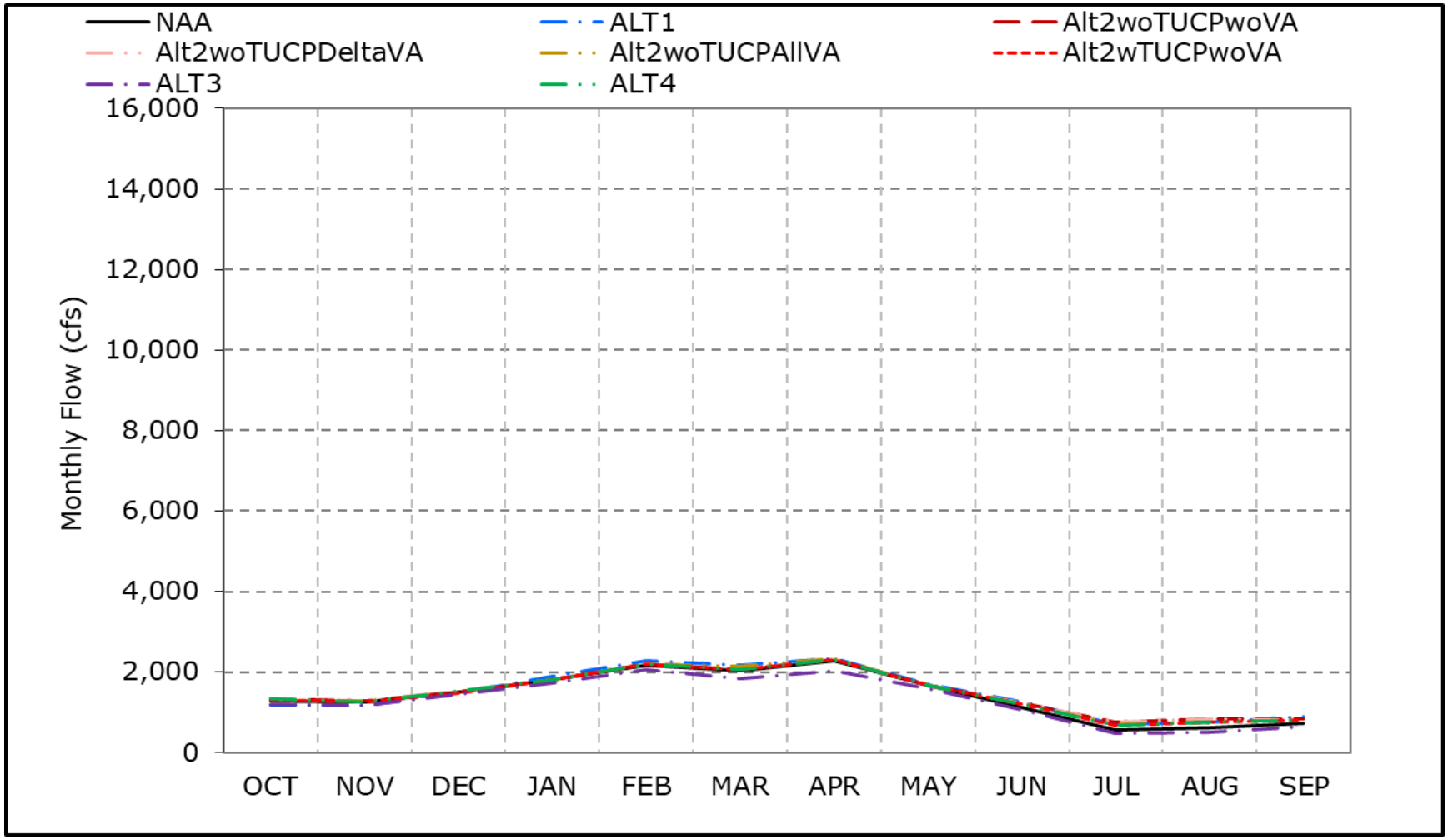
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-4. San Joaquin River at Vernalis, Below Normal Year Average Flow



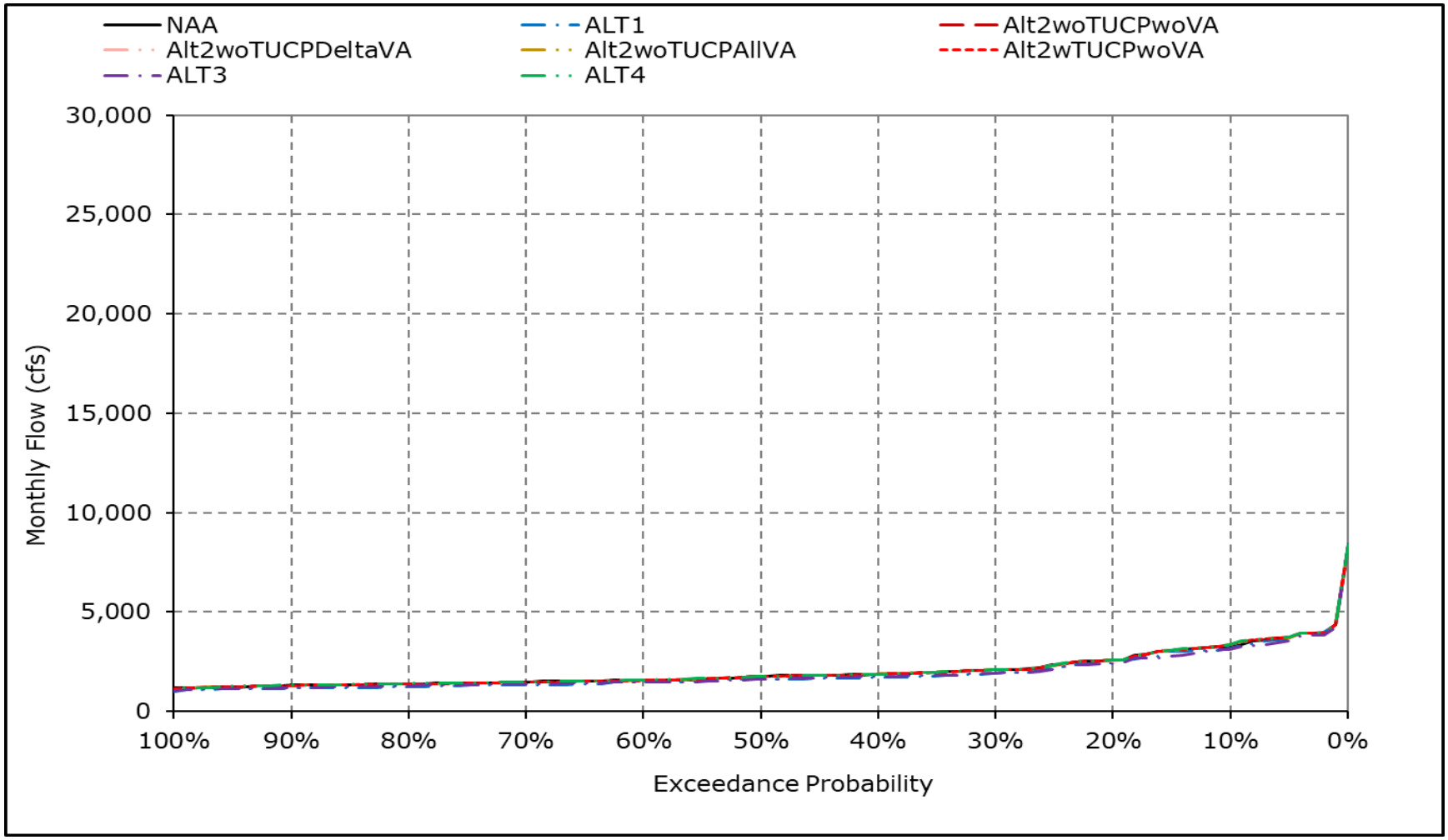
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-5. San Joaquin River at Vernalis, Dry Year Average Flow



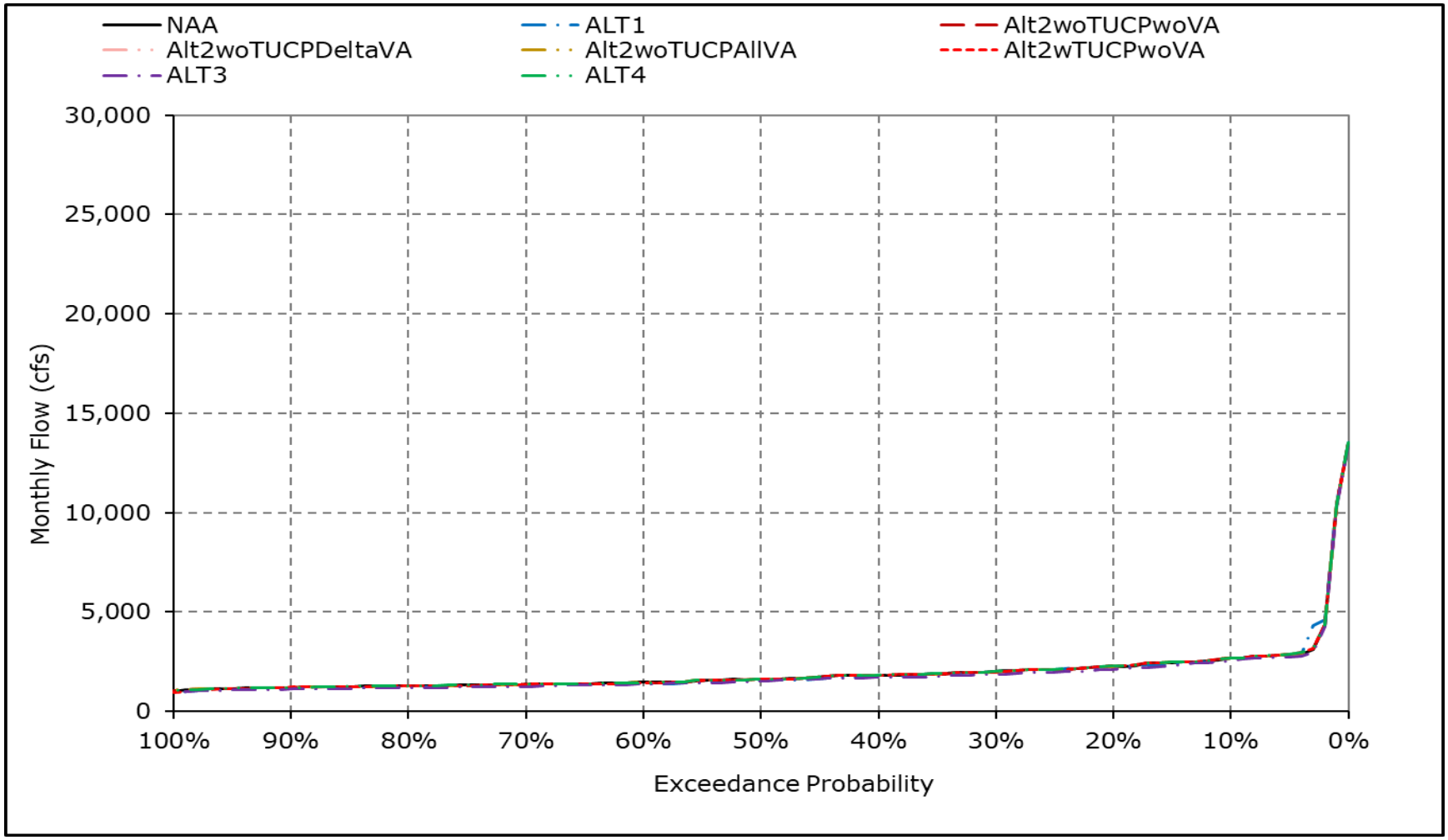
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-6. San Joaquin River at Vernalis, Critical Year Average Flow



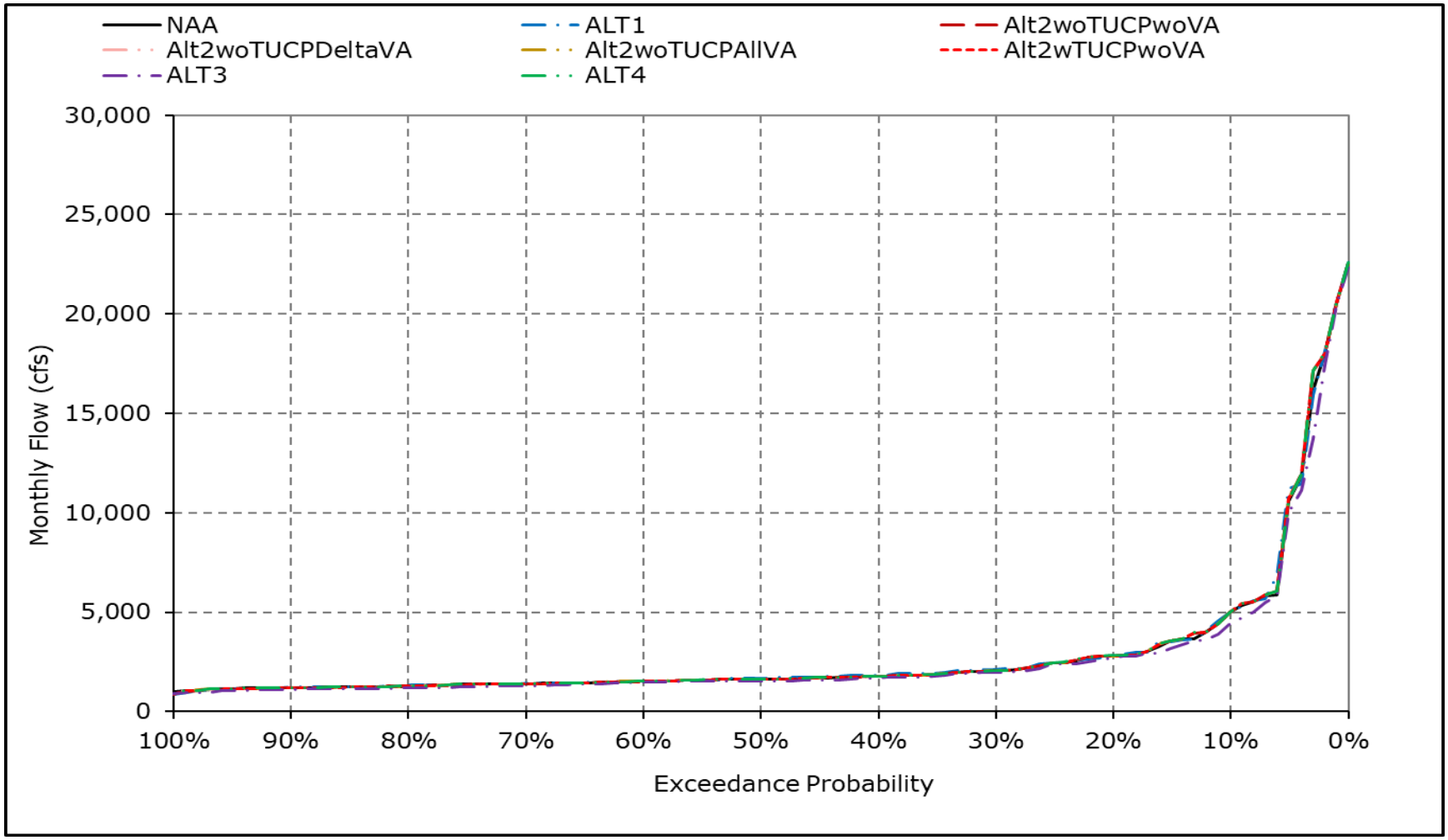
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-7. San Joaquin River at Vernalis, October



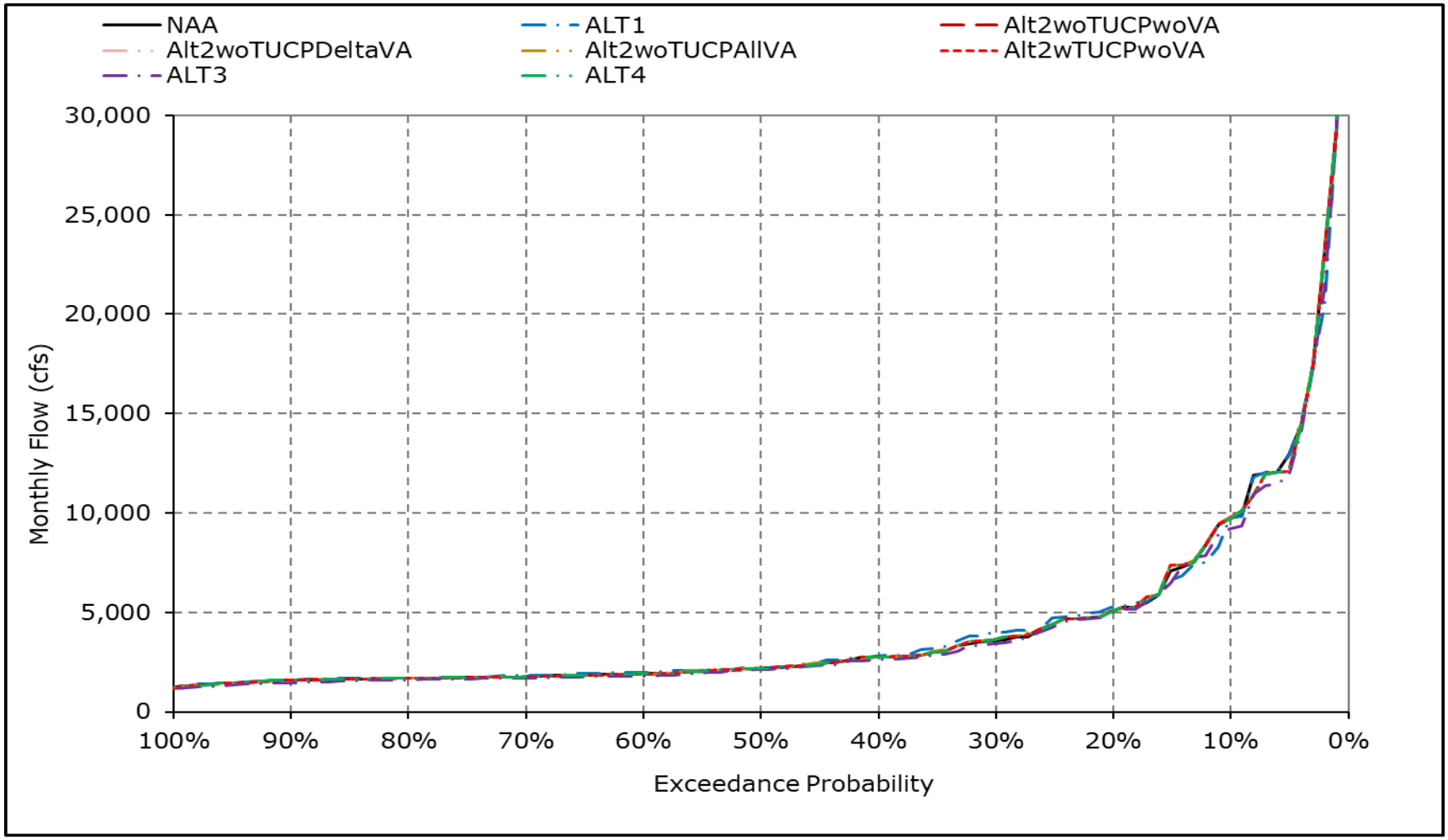
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-8. San Joaquin River at Vernalis, November



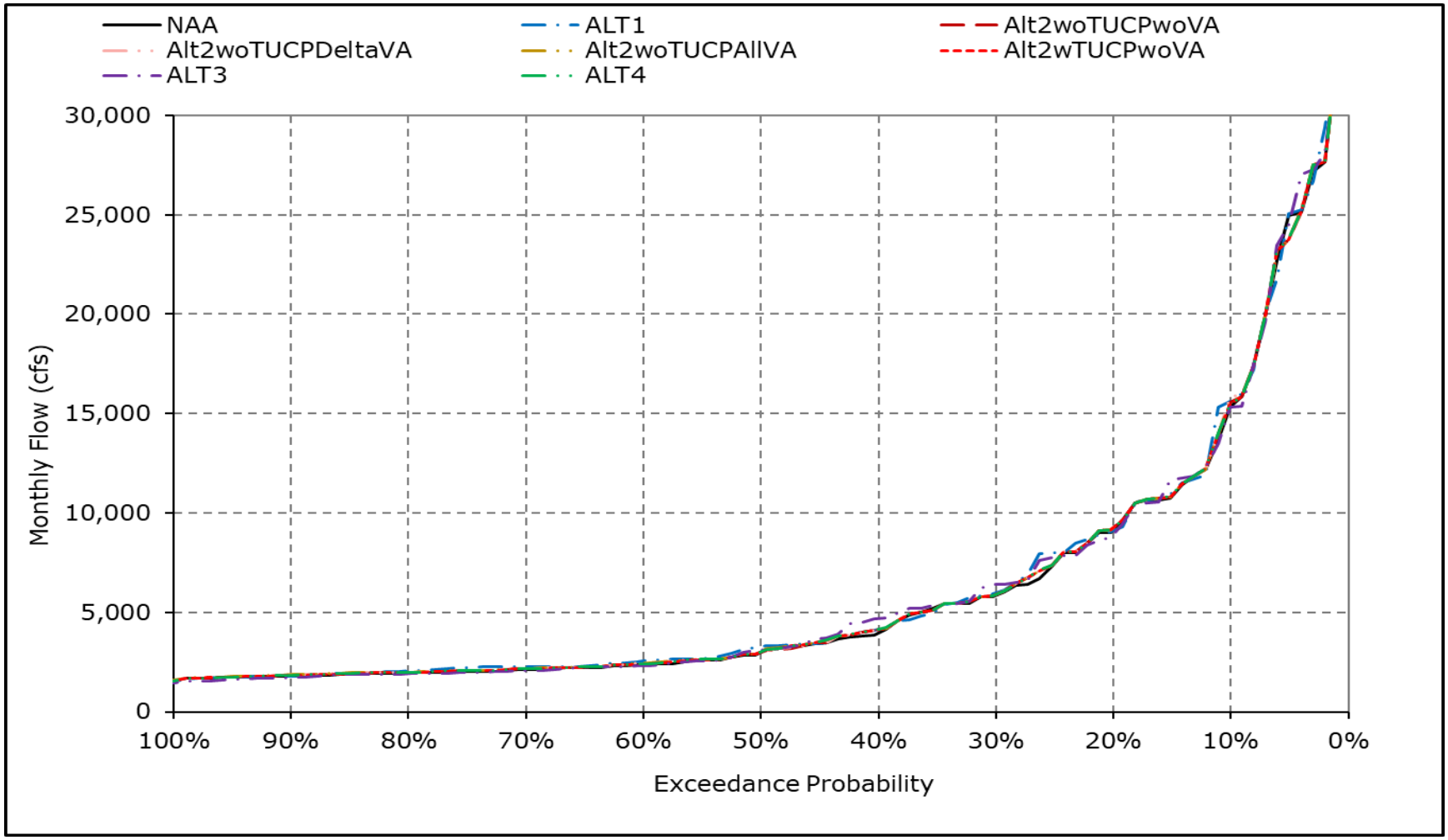
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-9. San Joaquin River at Vernalis, December



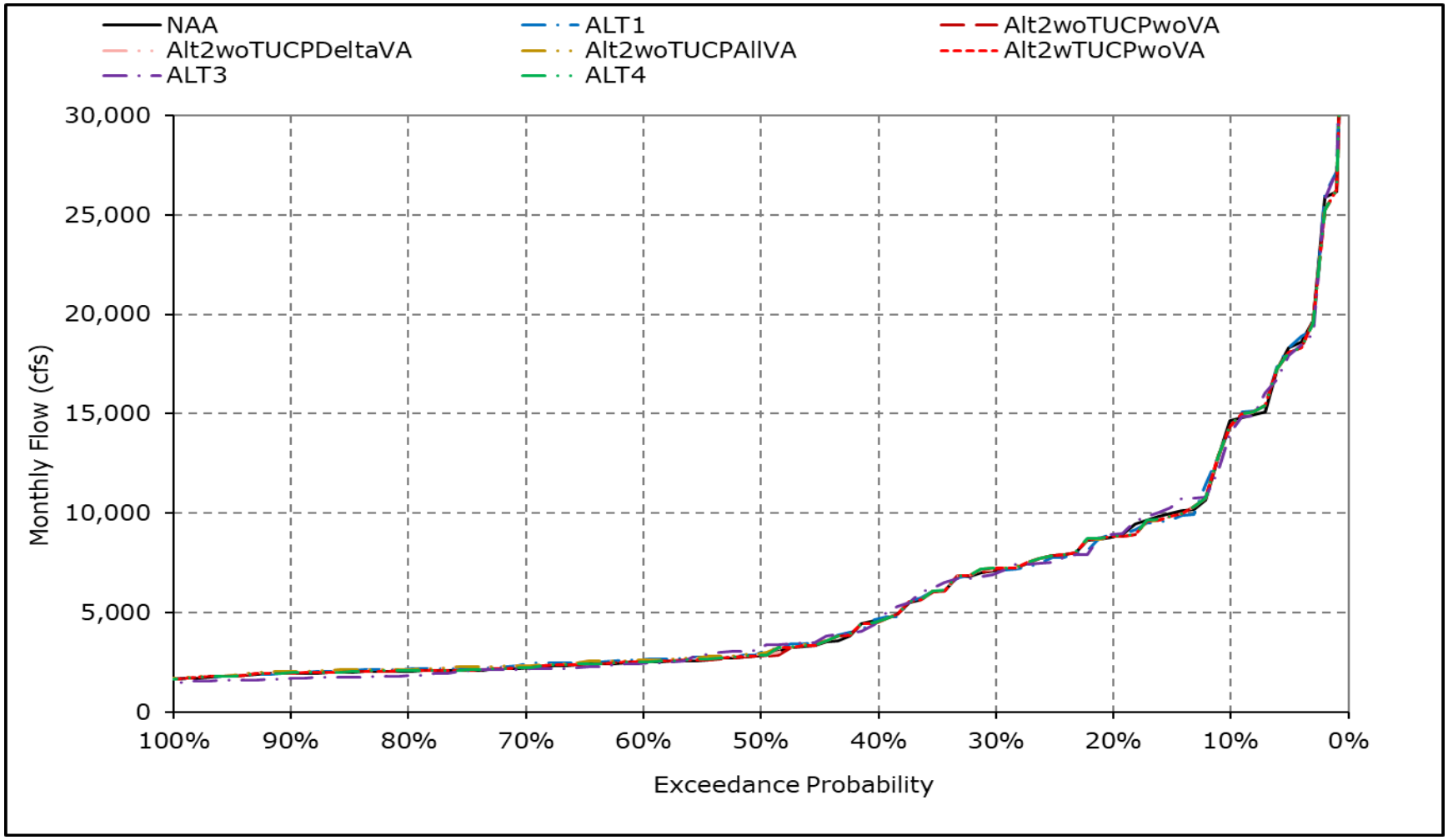
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-10. San Joaquin River at Vernalis, January



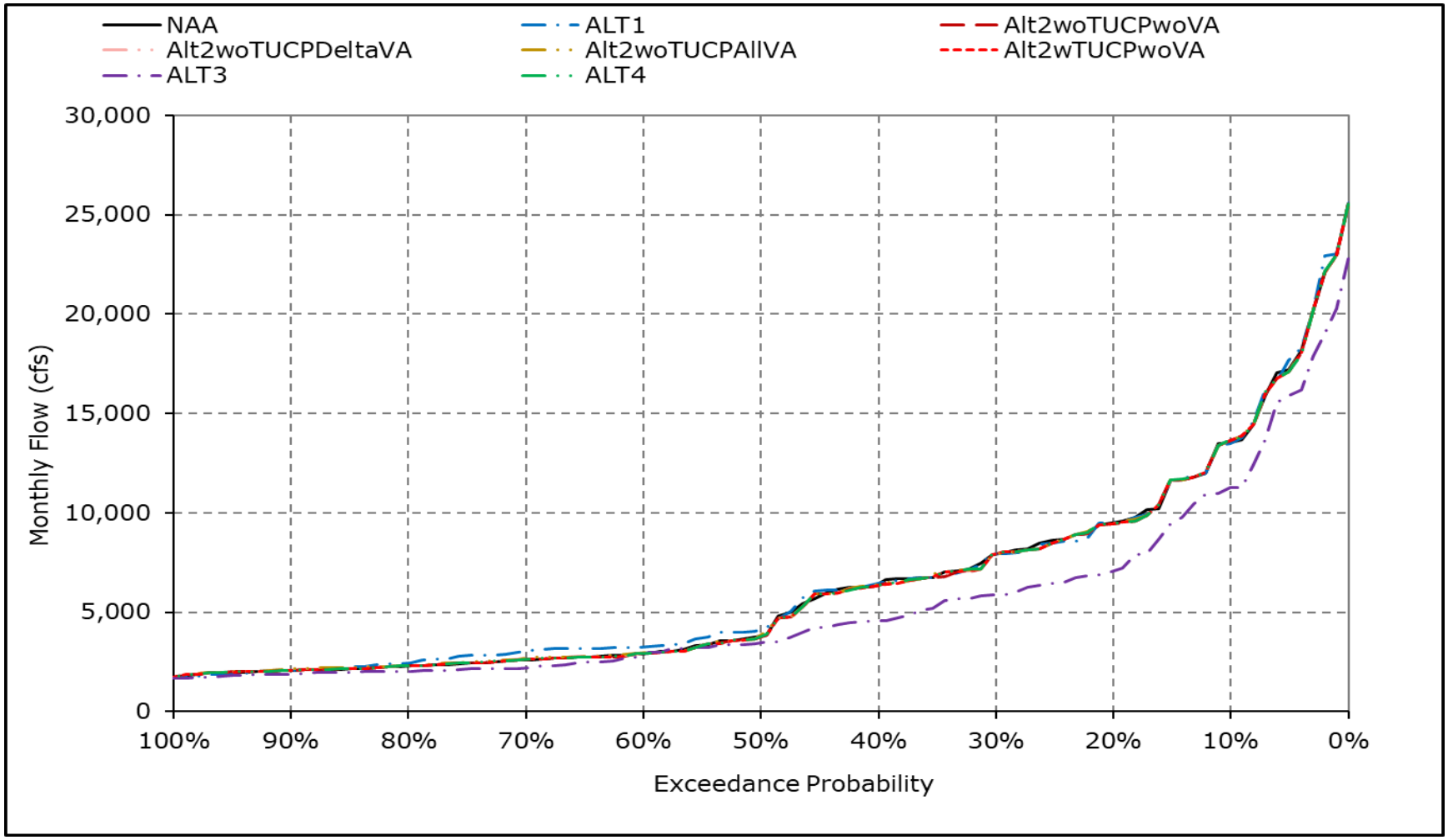
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-11. San Joaquin River at Vernalis, February



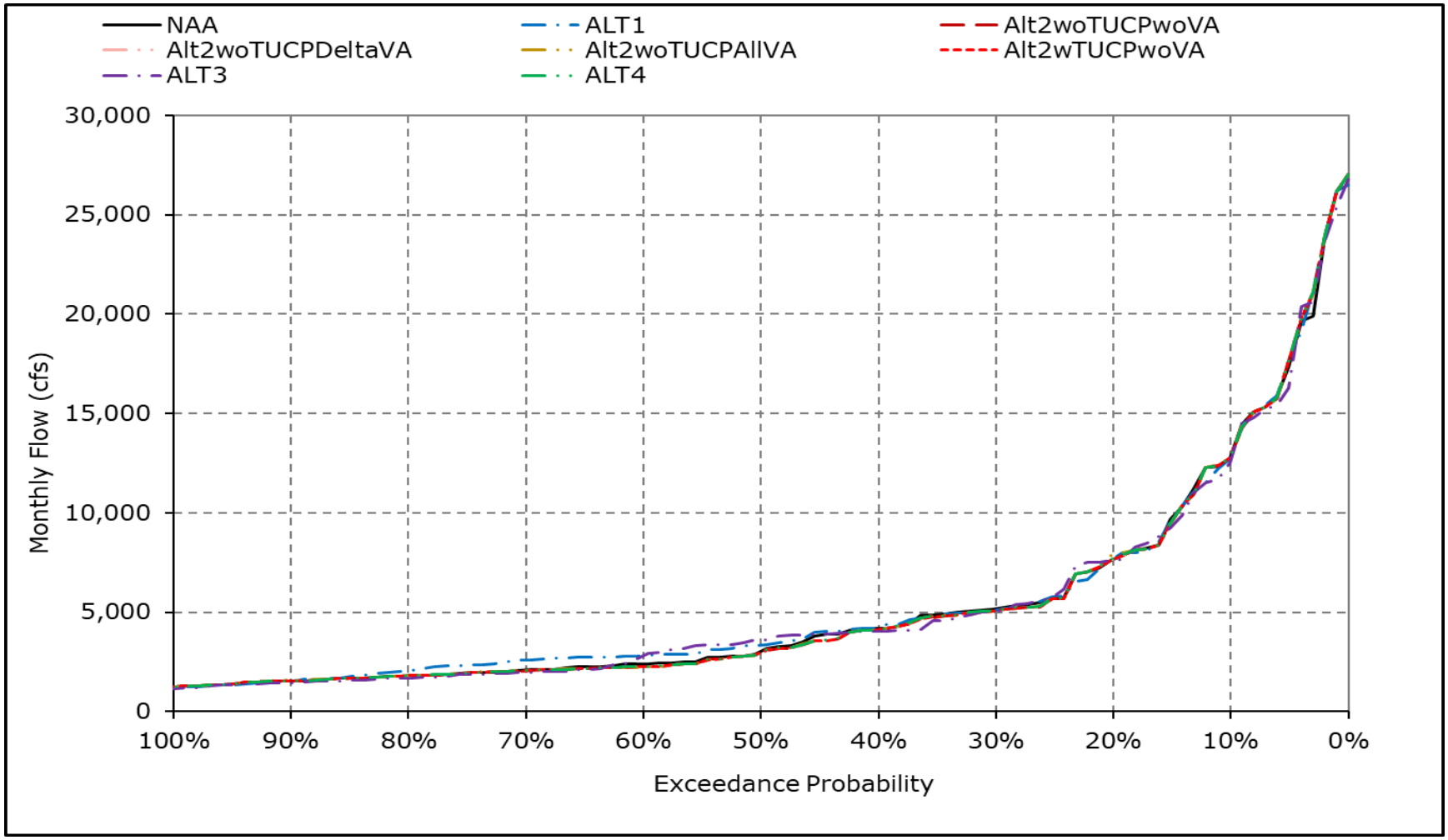
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-12. San Joaquin River at Vernalis, March



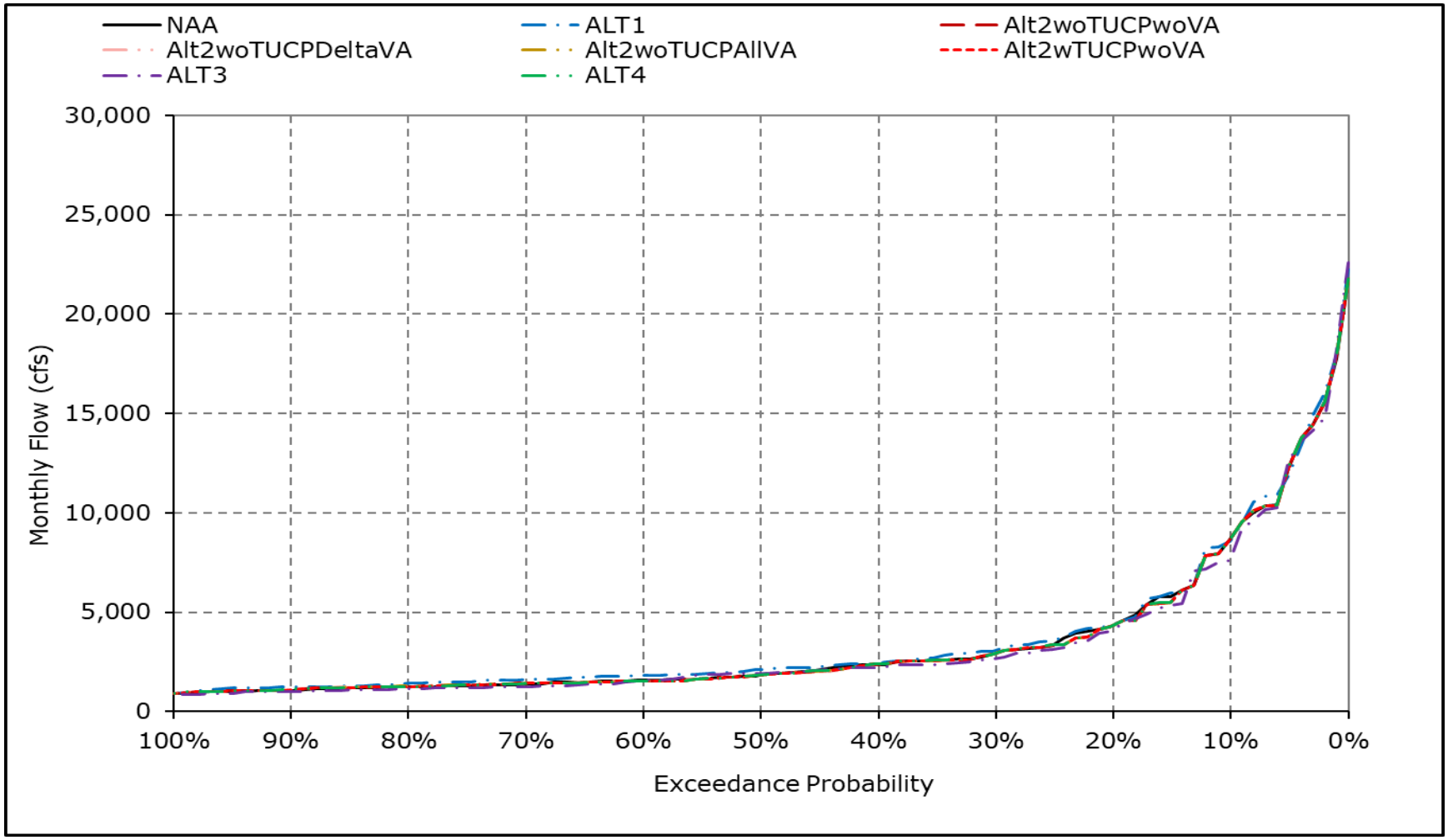
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-13. San Joaquin River at Vernalis, April



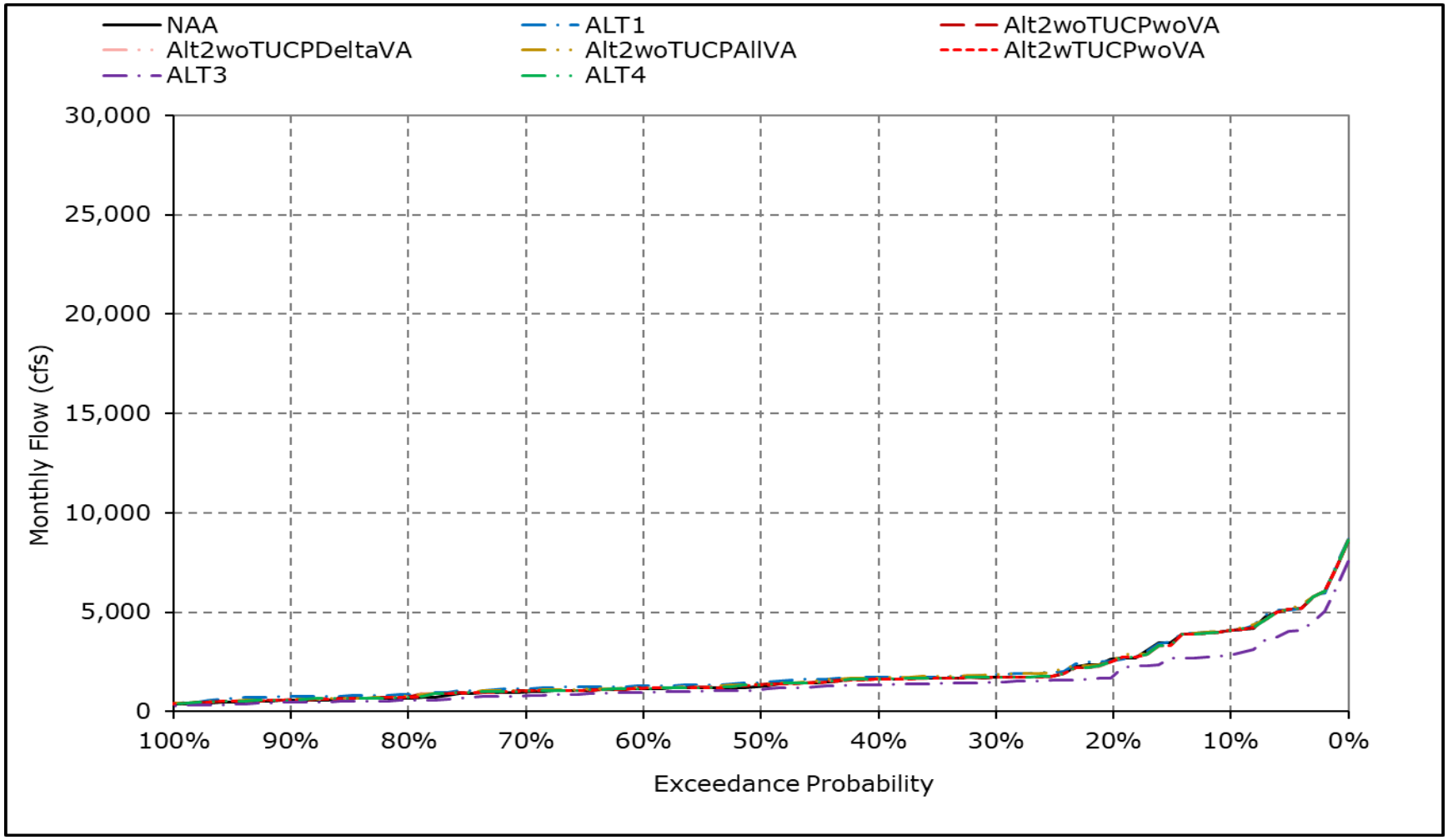
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-14. San Joaquin River at Vernalis, May



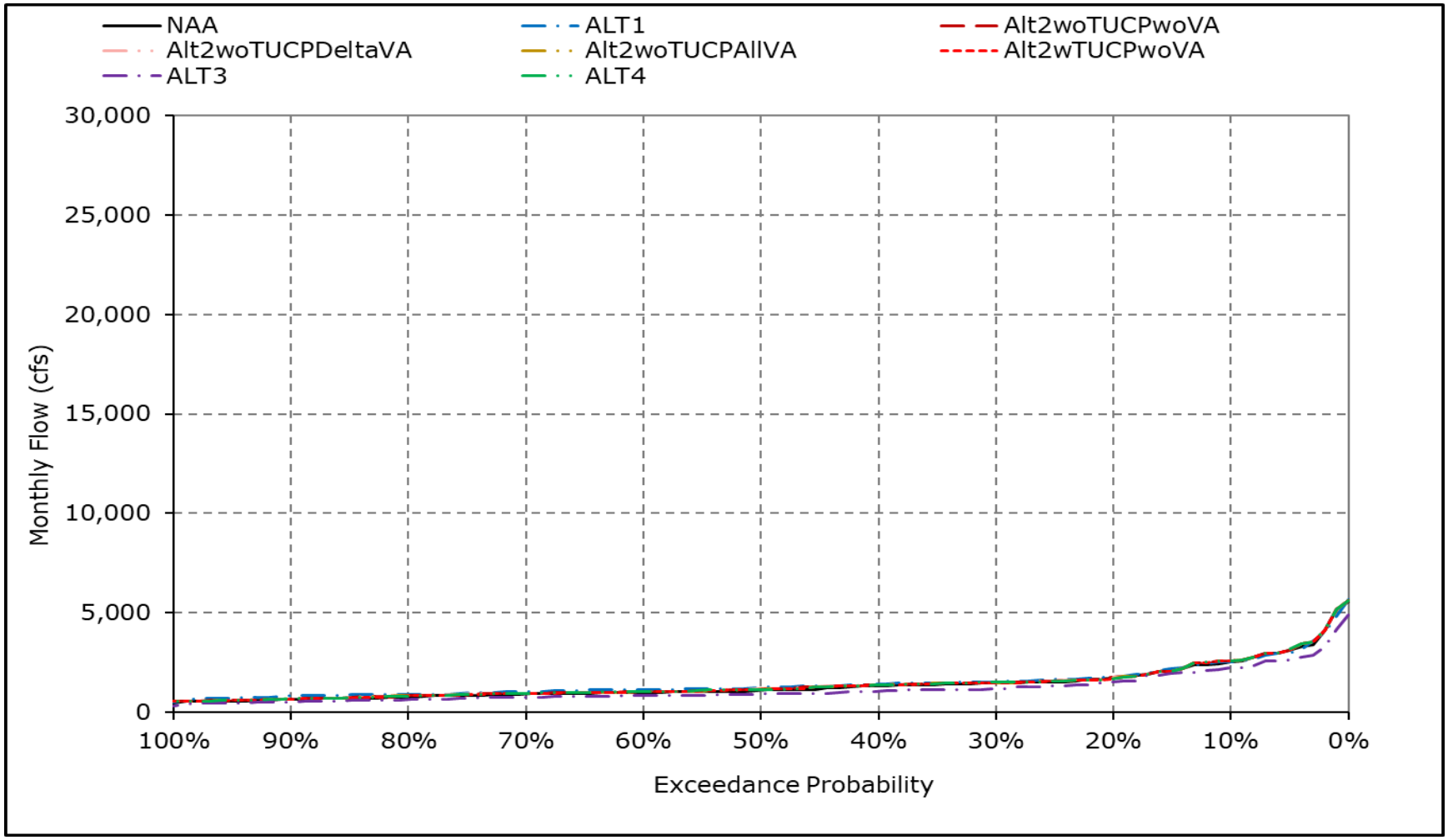
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-15. San Joaquin River at Vernalis, June



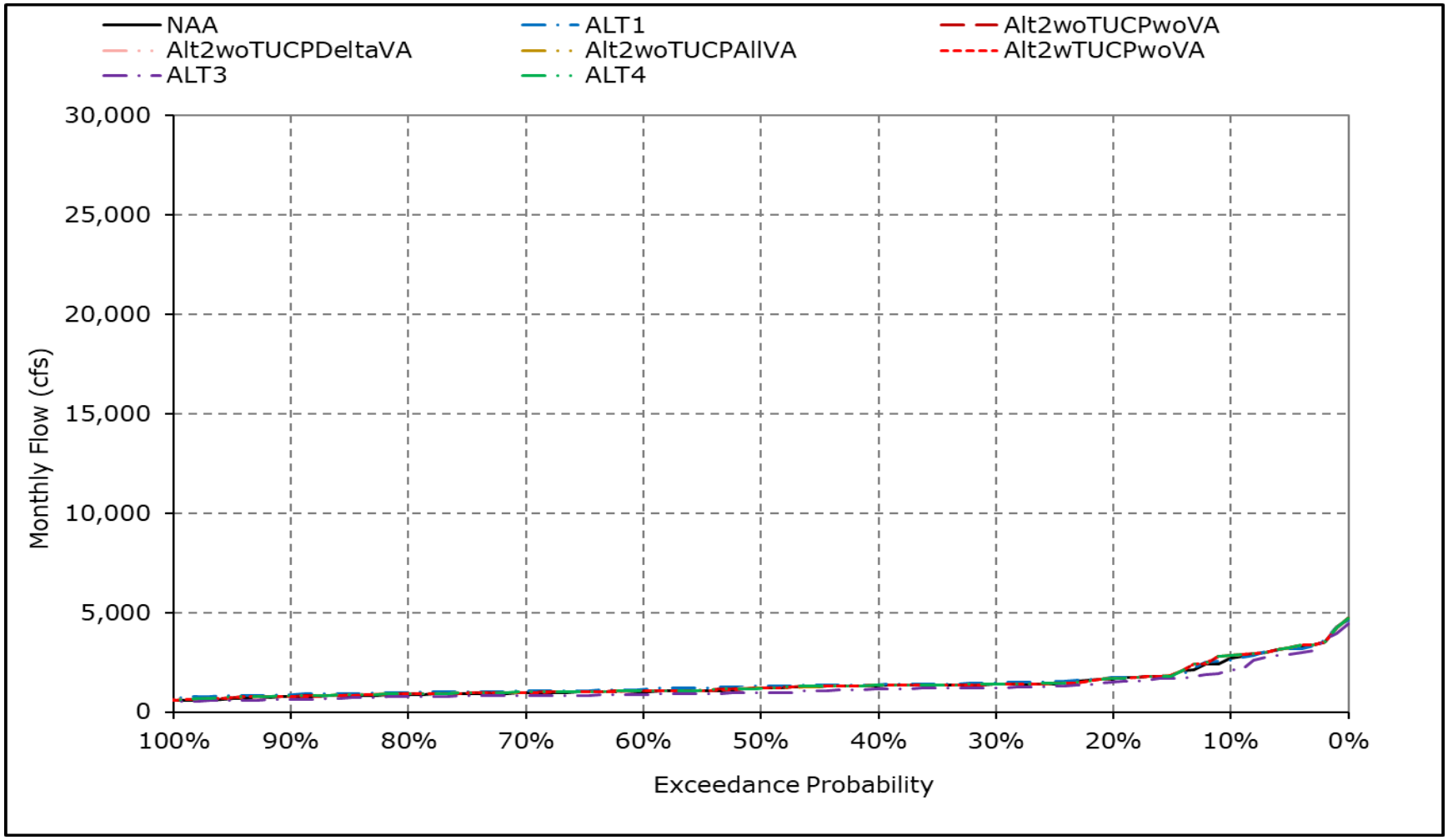
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-16. San Joaquin River at Vernalis, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-17. San Joaquin River at Vernalis, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-18. San Joaquin River at Vernalis, September

Table F.2.2-22-1a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-1b. San Joaquin River at Vernalis (60-20-20), Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,173	2,644	5,042	9,798	15,633	14,377	13,496	12,858	8,666	4,065	2,521	2,637
20% Exceedance	2,455	2,250	2,834	5,255	9,101	8,914	9,532	7,702	4,373	2,561	1,766	1,735
30% Exceedance	1,925	2,009	2,136	3,997	5,976	7,086	7,951	5,095	3,101	1,875	1,537	1,469
40% Exceedance	1,699	1,751	1,832	2,799	4,149	4,676	6,481	4,263	2,455	1,726	1,407	1,375
50% Exceedance	1,618	1,542	1,687	2,232	3,268	2,994	4,145	3,341	2,117	1,460	1,237	1,304
60% Exceedance	1,474	1,384	1,523	1,983	2,546	2,635	3,258	2,823	1,806	1,284	1,140	1,155
70% Exceedance	1,336	1,301	1,413	1,838	2,280	2,411	3,061	2,609	1,622	1,168	1,025	1,043
80% Exceedance	1,245	1,218	1,318	1,701	2,047	2,152	2,429	2,053	1,438	848	894	986
90% Exceedance	1,165	1,147	1,228	1,602	1,780	1,988	2,077	1,553	1,237	756	817	887
Full Simulation Period Average[a]	1,929	1,930	2,897	4,635	6,553	6,116	6,521	5,549	3,664	1,977	1,492	1,486
Wet Water Years (22%)	3,363	3,247	4,176	10,481	15,133	14,342	14,166	13,652	9,443	4,396	2,742	2,618
Above Normal Water Years (12%)	2,033	1,916	4,471	5,748	8,485	7,541	8,004	5,826	3,273	1,846	1,405	1,408
Below Normal Water Years (15%)	1,730	1,738	2,480	4,148	6,713	5,428	6,737	4,569	2,726	1,738	1,484	1,378
Dry Water Years (17%)	1,458	1,534	2,650	2,180	2,468	2,917	3,579	2,929	1,887	1,372	1,139	1,110
Critical Water Years (34%)	1,265	1,351	1,742	1,903	2,292	2,192	2,426	1,951	1,364	866	895	1,016

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-1c. San Joaquin River at Vernalis (60-20-20), Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-103	-28	18	61	267	-279	-65	-68	-95	-25	16	-60
20% Exceedance	-143	5	38	167	-52	120	21	35	41	-111	65	78
30% Exceedance	-170	5	75	424	102	-48	12	-62	147	169	88	82
40% Exceedance	-186	-75	50	42	174	69	49	91	78	92	87	48
50% Exceedance	-159	-73	50	55	279	174	357	301	257	198	136	107
60% Exceedance	-88	-75	-4	68	163	137	345	427	230	128	148	120
70% Exceedance	-133	-56	15	74	173	207	462	519	244	176	113	90
80% Exceedance	-152	-49	48	14	92	102	133	235	197	161	131	113
90% Exceedance	-142	-63	26	16	-10	54	0	-2	173	183	165	122
Full Simulation Period Average[a]	-132	-39	34	18	128	53	122	137	170	121	96	79
Wet Water Years (22%)	-89	4	59	-102	210	-14	72	-90	127	34	-5	10
Above Normal Water Years (12%)	-178	-78	63	-10	160	76	-50	124	228	145	95	78
Below Normal Water Years (15%)	-152	-70	7	24	41	-2	-30	-5	91	101	133	114
Dry Water Years (17%)	-124	-53	14	102	148	141	356	374	250	189	158	105
Critical Water Years (34%)	-136	-29	29	60	92	68	164	231	171	145	115	96

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-2a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-2b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,384	2,672	5,031	9,802	15,574	14,435	13,673	12,908	8,761	4,093	2,582	2,836
20% Exceedance	2,568	2,276	2,809	5,094	9,254	8,807	9,448	7,662	4,327	2,525	1,778	1,678
30% Exceedance	2,098	1,996	2,062	3,656	5,906	7,179	7,943	5,097	2,956	1,706	1,484	1,390
40% Exceedance	1,879	1,828	1,786	2,739	4,142	4,545	6,352	4,133	2,381	1,634	1,372	1,336
50% Exceedance	1,757	1,611	1,628	2,169	3,000	2,805	3,757	2,961	1,856	1,363	1,154	1,205
60% Exceedance	1,569	1,441	1,522	1,902	2,391	2,518	2,922	2,242	1,533	1,194	1,010	1,058
70% Exceedance	1,475	1,356	1,389	1,753	2,171	2,216	2,613	2,066	1,419	1,045	946	965
80% Exceedance	1,382	1,268	1,272	1,691	1,975	2,063	2,303	1,807	1,261	756	831	912
90% Exceedance	1,302	1,196	1,181	1,580	1,824	1,954	2,081	1,550	1,118	602	658	779
Full Simulation Period Average[a]	2,062	1,967	2,881	4,604	6,442	6,060	6,363	5,372	3,476	1,869	1,437	1,433
Wet Water Years (22%)	3,461	3,245	4,140	10,499	14,859	14,288	14,076	13,745	9,233	4,315	2,768	2,644
Above Normal Water Years (12%)	2,212	1,996	4,418	5,797	8,412	7,499	8,021	5,678	3,037	1,698	1,308	1,332
Below Normal Water Years (15%)	1,873	1,800	2,489	4,141	6,687	5,404	6,611	4,457	2,602	1,631	1,362	1,273
Dry Water Years (17%)	1,581	1,576	2,685	2,077	2,371	2,812	3,179	2,438	1,589	1,175	1,007	1,040
Critical Water Years (34%)	1,403	1,381	1,714	1,835	2,228	2,141	2,270	1,716	1,235	799	869	953

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-2c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	0	7	66	208	-220	112	-18	0	2	77	139
20% Exceedance	-30	31	12	6	101	14	-64	-5	-5	-147	77	22
30% Exceedance	3	-7	1	82	32	45	3	-61	1	1	35	2
40% Exceedance	-6	2	4	-17	167	-61	-80	-38	5	0	52	9
50% Exceedance	-20	-3	-8	-8	11	-15	-31	-80	-3	101	54	7
60% Exceedance	7	-18	-6	-14	8	20	9	-155	-43	38	18	23
70% Exceedance	6	0	-9	-11	64	13	15	-25	41	53	34	13
80% Exceedance	-15	1	2	3	20	12	7	-11	20	69	68	39
90% Exceedance	-6	-14	-21	-7	34	19	4	-5	54	29	6	14
Full Simulation Period Average[a]	1	-2	17	-14	17	-3	-37	-41	-18	13	41	27
Wet Water Years (22%)	8	2	23	-83	-64	-67	-18	4	-83	-47	22	36
Above Normal Water Years (12%)	1	2	10	39	87	34	-34	-25	-8	-3	-3	2
Below Normal Water Years (15%)	-9	-7	16	16	15	-26	-157	-116	-33	-7	10	9
Dry Water Years (17%)	-2	-12	49	-2	51	36	-44	-117	-47	-8	26	35
Critical Water Years (34%)	2	1	1	-8	28	16	7	-5	42	78	89	33

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-3a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-3b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,369	2,669	5,031	9,792	15,873	14,421	13,673	12,921	8,762	4,094	2,581	2,837
20% Exceedance	2,564	2,276	2,808	5,100	9,247	8,808	9,460	7,661	4,331	2,527	1,758	1,678
30% Exceedance	2,098	1,996	2,062	3,655	5,906	7,179	7,940	5,098	2,954	1,712	1,482	1,384
40% Exceedance	1,872	1,828	1,785	2,736	4,144	4,544	6,420	4,135	2,387	1,629	1,374	1,336
50% Exceedance	1,744	1,619	1,634	2,169	3,000	2,889	3,848	2,967	1,857	1,348	1,155	1,209
60% Exceedance	1,588	1,451	1,525	1,901	2,452	2,592	2,951	2,240	1,535	1,194	1,011	1,055
70% Exceedance	1,464	1,362	1,405	1,755	2,172	2,335	2,690	2,075	1,420	1,045	941	995
80% Exceedance	1,383	1,266	1,274	1,697	1,989	2,144	2,313	1,807	1,278	760	826	921
90% Exceedance	1,299	1,201	1,193	1,578	1,854	2,025	2,167	1,583	1,111	609	666	783
Full Simulation Period Average[a]	2,062	1,970	2,884	4,604	6,455	6,104	6,391	5,380	3,479	1,869	1,436	1,432
Wet Water Years (22%)	3,459	3,245	4,141	10,499	14,859	14,276	14,074	13,754	9,236	4,315	2,767	2,643
Above Normal Water Years (12%)	2,212	1,995	4,418	5,798	8,445	7,494	8,052	5,689	3,036	1,698	1,306	1,331
Below Normal Water Years (15%)	1,870	1,798	2,487	4,143	6,687	5,408	6,638	4,464	2,601	1,630	1,358	1,271
Dry Water Years (17%)	1,590	1,586	2,694	2,077	2,374	2,859	3,208	2,440	1,589	1,176	1,007	1,045
Critical Water Years (34%)	1,401	1,385	1,719	1,835	2,254	2,255	2,315	1,728	1,243	799	869	949

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-3c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	-2	7	56	507	-235	112	-5	2	3	75	140
20% Exceedance	-35	31	11	12	94	15	-51	-6	-1	-146	57	21
30% Exceedance	3	-7	1	82	32	45	1	-59	0	7	33	-3
40% Exceedance	-14	2	4	-20	169	-63	-12	-36	10	-4	54	9
50% Exceedance	-34	4	-2	-8	11	69	60	-73	-2	86	54	11
60% Exceedance	26	-8	-3	-15	69	94	38	-157	-41	39	19	19
70% Exceedance	-5	6	6	-9	65	131	91	-15	42	53	29	42
80% Exceedance	-14	-1	4	9	34	94	17	-11	37	73	62	48
90% Exceedance	-9	-9	-9	-8	64	91	90	28	47	35	14	18
Full Simulation Period Average[a]	1	1	20	-14	30	41	-9	-33	-15	13	39	26
Wet Water Years (22%)	6	2	24	-84	-64	-80	-20	12	-80	-47	20	35
Above Normal Water Years (12%)	1	1	10	41	120	28	-3	-14	-8	-4	-4	1
Below Normal Water Years (15%)	-12	-9	14	18	15	-21	-129	-109	-34	-8	6	7
Dry Water Years (17%)	8	-2	58	-2	53	83	-15	-115	-47	-7	26	40
Critical Water Years (34%)	0	5	6	-8	54	130	53	7	50	78	89	29

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-4a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-4b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,385	2,670	5,033	9,791	15,579	14,431	13,675	12,921	8,763	4,103	2,581	2,837
20% Exceedance	2,569	2,274	2,809	5,091	9,257	8,808	9,460	7,873	4,333	2,559	1,682	1,678
30% Exceedance	2,099	1,996	2,062	3,656	5,907	7,227	7,942	5,098	2,956	1,868	1,481	1,389
40% Exceedance	1,877	1,829	1,787	2,737	4,146	4,550	6,428	4,135	2,388	1,697	1,367	1,336
50% Exceedance	1,745	1,610	1,627	2,197	3,047	2,942	3,850	2,977	1,847	1,406	1,141	1,191
60% Exceedance	1,555	1,455	1,534	1,901	2,458	2,594	2,953	2,237	1,531	1,203	1,020	1,068
70% Exceedance	1,462	1,354	1,394	1,756	2,172	2,340	2,689	2,074	1,417	1,063	945	1,000
80% Exceedance	1,382	1,265	1,268	1,698	1,990	2,145	2,315	1,810	1,273	791	829	922
90% Exceedance	1,302	1,207	1,194	1,579	1,856	2,036	2,167	1,576	1,110	598	672	795
Full Simulation Period Average[a]	2,061	1,968	2,884	4,618	6,459	6,118	6,397	5,387	3,475	1,918	1,431	1,435
Wet Water Years (22%)	3,461	3,247	4,142	10,535	14,867	14,286	14,078	13,754	9,238	4,354	2,771	2,646
Above Normal Water Years (12%)	2,213	1,996	4,419	5,800	8,414	7,500	8,051	5,723	3,039	1,800	1,313	1,333
Below Normal Water Years (15%)	1,876	1,800	2,489	4,142	6,694	5,454	6,667	4,477	2,605	1,770	1,376	1,281
Dry Water Years (17%)	1,585	1,574	2,691	2,105	2,395	2,880	3,210	2,440	1,589	1,240	1,012	1,057
Critical Water Years (34%)	1,398	1,384	1,721	1,838	2,256	2,258	2,317	1,729	1,228	787	839	944

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-4c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	-1	8	55	213	-225	113	-5	2	12	76	140
20% Exceedance	-29	29	13	3	103	14	-51	206	1	-114	-19	22
30% Exceedance	3	-7	2	83	33	92	3	-59	2	163	32	2
40% Exceedance	-8	2	5	-20	171	-56	-4	-36	11	64	47	9
50% Exceedance	-32	-4	-9	19	59	122	62	-64	-13	143	41	-7
60% Exceedance	-7	-4	6	-14	76	96	39	-160	-45	47	28	32
70% Exceedance	-7	-2	-4	-8	65	136	90	-16	39	70	33	47
80% Exceedance	-14	-2	-3	10	36	94	18	-8	33	104	65	49
90% Exceedance	-6	-3	-8	-7	66	102	89	20	46	25	20	30
Full Simulation Period Average[a]	0	-1	21	0	33	55	-3	-26	-18	62	35	28
Wet Water Years (22%)	8	4	24	-48	-56	-70	-16	13	-78	-7	25	38
Above Normal Water Years (12%)	2	2	10	43	89	35	-3	20	-5	98	2	3
Below Normal Water Years (15%)	-6	-7	16	17	22	24	-100	-96	-29	133	24	18
Dry Water Years (17%)	2	-14	55	26	74	104	-13	-115	-47	57	31	51
Critical Water Years (34%)	-3	4	8	-5	56	133	54	9	35	66	59	24

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-5a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-5b. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,384	2,670	5,034	9,737	15,519	14,437	13,674	12,908	8,760	4,092	2,582	2,836
20% Exceedance	2,569	2,276	2,810	5,092	9,257	8,811	9,452	7,670	4,327	2,525	1,679	1,679
30% Exceedance	2,099	1,996	2,062	3,658	5,901	7,226	7,943	5,097	2,957	1,713	1,481	1,391
40% Exceedance	1,865	1,830	1,786	2,750	4,142	4,545	6,347	4,133	2,388	1,634	1,368	1,337
50% Exceedance	1,760	1,617	1,634	2,191	3,020	2,817	3,757	2,970	1,845	1,335	1,139	1,194
60% Exceedance	1,548	1,435	1,521	1,902	2,391	2,518	2,923	2,244	1,523	1,175	1,008	1,052
70% Exceedance	1,457	1,356	1,383	1,753	2,171	2,217	2,615	2,068	1,417	1,024	943	973
80% Exceedance	1,382	1,265	1,269	1,676	1,973	2,064	2,304	1,809	1,261	705	818	916
90% Exceedance	1,292	1,214	1,183	1,577	1,837	1,954	2,082	1,551	1,118	576	647	768
Full Simulation Period Average[a]	2,057	1,963	2,878	4,606	6,445	6,069	6,368	5,376	3,472	1,859	1,425	1,428
Wet Water Years (22%)	3,461	3,246	4,141	10,498	14,856	14,290	14,077	13,750	9,235	4,315	2,768	2,645
Above Normal Water Years (12%)	2,216	1,998	4,419	5,798	8,407	7,500	8,024	5,685	3,047	1,708	1,315	1,339
Below Normal Water Years (15%)	1,867	1,793	2,485	4,141	6,696	5,443	6,635	4,468	2,601	1,630	1,359	1,274
Dry Water Years (17%)	1,567	1,570	2,682	2,101	2,389	2,826	3,182	2,439	1,590	1,175	1,008	1,031
Critical Water Years (34%)	1,397	1,375	1,710	1,829	2,227	2,141	2,270	1,717	1,218	767	833	939

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-5c. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	-1	10	1	153	-219	112	-18	0	2	77	139
20% Exceedance	-29	31	13	3	103	17	-60	4	-5	-148	-22	23
30% Exceedance	3	-7	2	84	27	92	4	-60	2	8	32	3
40% Exceedance	-20	4	4	-6	167	-62	-85	-38	11	0	48	10
50% Exceedance	-17	3	-3	13	31	-2	-31	-71	-15	73	39	-3
60% Exceedance	-14	-24	-7	-14	9	20	10	-153	-53	19	15	17
70% Exceedance	-12	-1	-15	-11	64	13	16	-22	40	32	31	20
80% Exceedance	-14	-2	-1	-12	19	13	8	-9	20	18	54	43
90% Exceedance	-15	4	-20	-9	47	20	4	-5	54	3	-5	3
Full Simulation Period Average[a]	-4	-6	15	-12	19	6	-32	-37	-22	4	29	22
Wet Water Years (22%)	9	3	23	-85	-67	-66	-18	8	-81	-46	22	37
Above Normal Water Years (12%)	5	5	11	41	82	34	-31	-17	2	7	5	9
Below Normal Water Years (15%)	-16	-15	12	16	24	14	-132	-105	-33	-8	8	10
Dry Water Years (17%)	-16	-18	46	22	68	50	-41	-116	-46	-8	27	26
Critical Water Years (34%)	-4	-5	-3	-13	27	16	8	-3	25	46	53	19

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-6a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-6b. San Joaquin River at Vernalis (60-20-20), Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,130	2,543	4,452	9,214	15,340	14,093	11,251	12,721	7,782	2,841	2,230	2,107
20% Exceedance	2,413	2,131	2,702	4,991	8,887	8,940	7,069	7,636	4,114	1,785	1,528	1,503
30% Exceedance	1,933	1,854	1,983	3,451	6,399	6,975	5,882	5,018	2,655	1,483	1,154	1,217
40% Exceedance	1,750	1,712	1,681	2,631	4,694	4,623	4,569	4,046	2,228	1,343	1,055	1,141
50% Exceedance	1,611	1,507	1,545	2,140	3,103	3,238	3,472	3,606	1,923	1,097	903	969
60% Exceedance	1,469	1,388	1,464	1,807	2,313	2,455	2,873	2,833	1,564	951	830	881
70% Exceedance	1,367	1,253	1,303	1,694	2,067	2,159	2,199	1,969	1,255	789	743	820
80% Exceedance	1,301	1,178	1,185	1,603	1,905	1,811	2,039	1,692	1,133	556	629	791
90% Exceedance	1,181	1,122	1,116	1,463	1,722	1,679	1,893	1,443	1,003	469	508	634
Full Simulation Period Average[a]	1,925	1,862	2,700	4,449	6,507	6,035	5,346	5,414	3,364	1,479	1,171	1,231
Wet Water Years (22%)	3,251	3,112	3,913	10,248	15,207	14,480	11,958	13,384	8,853	3,216	2,339	2,303
Above Normal Water Years (12%)	2,103	1,886	4,238	5,500	8,168	7,166	5,643	5,765	3,016	1,529	1,136	1,166
Below Normal Water Years (15%)	1,710	1,691	2,328	4,034	7,033	5,469	5,143	4,623	2,587	1,443	1,100	1,045
Dry Water Years (17%)	1,482	1,486	2,408	1,958	2,419	3,047	3,303	2,978	1,668	1,002	826	905
Critical Water Years (34%)	1,296	1,289	1,606	1,753	2,103	1,915	2,073	1,700	1,125	593	633	804

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-6c. San Joaquin River at Vernalis (60-20-20), Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-146	-128	-572	-522	-26	-563	-2,310	-205	-979	-1,249	-276	-589
20% Exceedance	-185	-114	-95	-97	-266	147	-2,442	-31	-218	-888	-173	-153
30% Exceedance	-162	-150	-78	-122	525	-159	-2,057	-139	-300	-223	-295	-171
40% Exceedance	-135	-114	-101	-126	719	16	-1,863	-125	-148	-290	-265	-185
50% Exceedance	-166	-107	-92	-37	114	418	-316	565	63	-166	-197	-229
60% Exceedance	-94	-71	-64	-108	-70	-42	-40	437	-12	-205	-162	-154
70% Exceedance	-102	-103	-95	-70	-40	-45	-400	-121	-123	-204	-169	-133
80% Exceedance	-95	-89	-85	-85	-50	-239	-258	-126	-107	-131	-135	-82
90% Exceedance	-126	-88	-86	-123	-68	-255	-184	-113	-61	-105	-144	-131
Full Simulation Period Average[a]	-136	-108	-163	-169	82	-28	-1,054	1	-130	-377	-225	-176
Wet Water Years (22%)	-202	-131	-205	-334	284	124	-2,136	-358	-463	-1,146	-407	-305
Above Normal Water Years (12%)	-108	-108	-170	-257	-156	-299	-2,412	63	-29	-173	-174	-164
Below Normal Water Years (15%)	-172	-117	-145	-90	361	39	-1,625	49	-48	-194	-252	-219
Dry Water Years (17%)	-101	-101	-229	-121	98	271	81	423	32	-181	-155	-100
Critical Water Years (34%)	-105	-91	-107	-90	-97	-210	-189	-21	-68	-129	-147	-115

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-7a. San Joaquin River at Vernalis (60-20-20), No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,276	2,671	5,024	9,736	15,366	14,656	13,561	12,926	8,761	4,090	2,505	2,697
20% Exceedance	2,598	2,245	2,797	5,088	9,153	8,793	9,511	7,667	4,332	2,672	1,701	1,656
30% Exceedance	2,096	2,003	2,061	3,573	5,874	7,134	7,940	5,157	2,955	1,705	1,449	1,387
40% Exceedance	1,885	1,826	1,781	2,757	3,975	4,606	6,432	4,171	2,377	1,633	1,320	1,326
50% Exceedance	1,777	1,614	1,637	2,177	2,989	2,820	3,788	3,041	1,860	1,262	1,100	1,197
60% Exceedance	1,562	1,459	1,527	1,916	2,383	2,498	2,914	2,397	1,576	1,155	992	1,035
70% Exceedance	1,469	1,357	1,398	1,764	2,107	2,204	2,599	2,090	1,378	992	912	953
80% Exceedance	1,397	1,267	1,270	1,688	1,955	2,051	2,296	1,818	1,241	687	764	873
90% Exceedance	1,308	1,210	1,202	1,586	1,790	1,934	2,077	1,555	1,064	574	652	765
Full Simulation Period Average[a]	2,061	1,969	2,863	4,618	6,425	6,063	6,399	5,413	3,494	1,856	1,396	1,407
Wet Water Years (22%)	3,453	3,243	4,117	10,583	14,923	14,356	14,094	13,742	9,316	4,362	2,746	2,608
Above Normal Water Years (12%)	2,211	1,994	4,408	5,757	8,325	7,466	8,055	5,703	3,044	1,701	1,311	1,330
Below Normal Water Years (15%)	1,882	1,808	2,473	4,125	6,672	5,430	6,768	4,574	2,634	1,638	1,351	1,264
Dry Water Years (17%)	1,582	1,588	2,636	2,079	2,321	2,776	3,223	2,555	1,636	1,183	981	1,005
Critical Water Years (34%)	1,401	1,380	1,713	1,843	2,200	2,125	2,262	1,720	1,193	721	780	920

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-7b. San Joaquin River at Vernalis (60-20-20), Alternative 4, Monthly Flow (cfs)

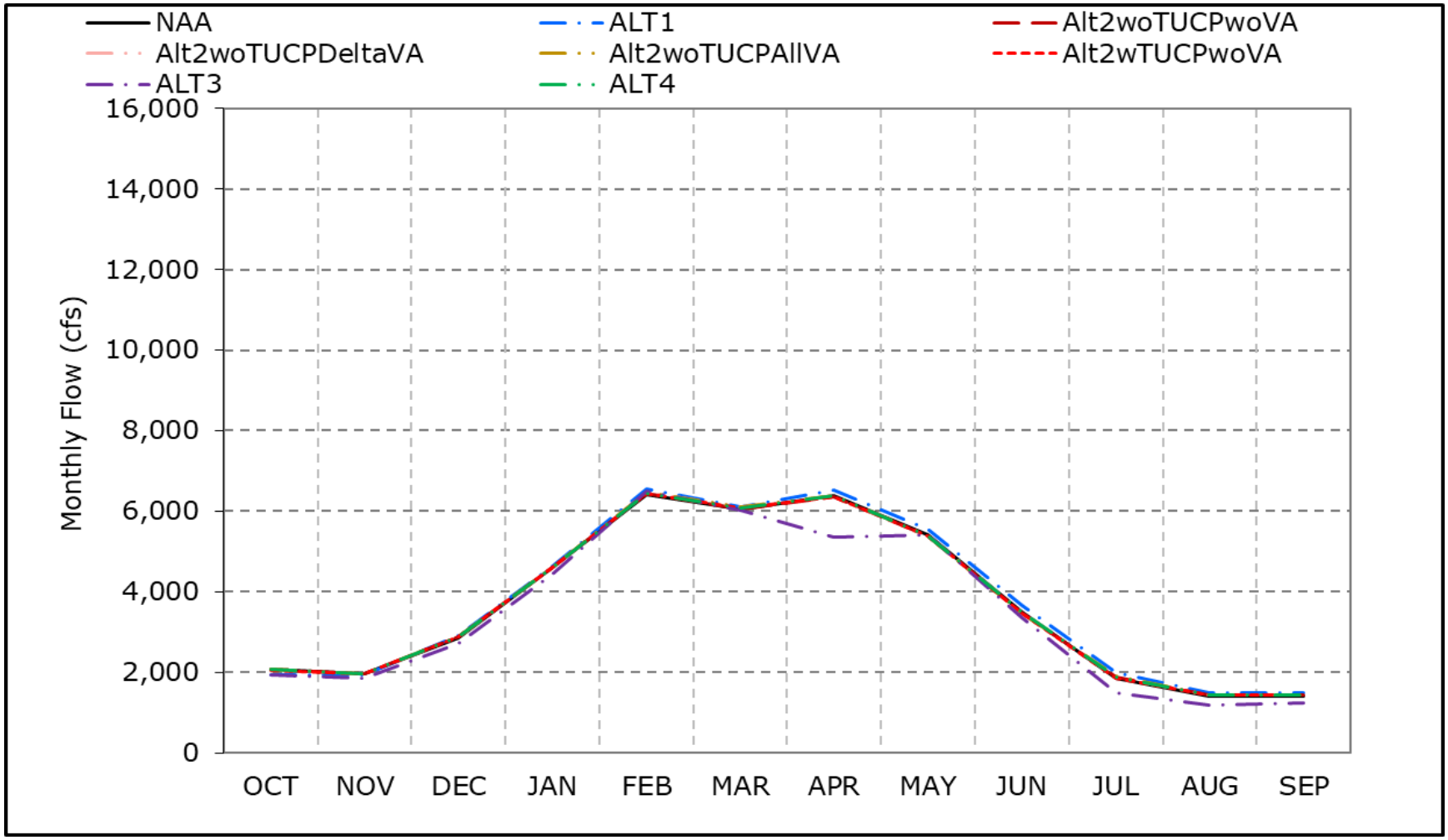
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,390	2,673	5,038	9,721	15,523	14,456	13,670	12,919	8,773	4,100	2,588	2,841
20% Exceedance	2,575	2,281	2,813	5,075	9,261	8,817	9,467	7,688	4,341	2,531	1,680	1,683
30% Exceedance	2,104	2,005	2,066	3,665	5,906	7,230	7,957	5,103	2,961	1,729	1,491	1,400
40% Exceedance	1,863	1,837	1,790	2,760	4,148	4,575	6,360	4,139	2,394	1,636	1,372	1,334
50% Exceedance	1,757	1,627	1,641	2,193	3,026	2,841	3,770	2,977	1,850	1,342	1,134	1,185
60% Exceedance	1,590	1,449	1,522	1,911	2,399	2,526	2,931	2,242	1,532	1,171	1,029	1,069
70% Exceedance	1,489	1,369	1,402	1,763	2,179	2,218	2,616	2,068	1,416	1,025	952	1,001
80% Exceedance	1,405	1,278	1,286	1,700	1,979	2,068	2,315	1,822	1,265	707	785	913
90% Exceedance	1,323	1,207	1,200	1,584	1,840	1,962	2,086	1,554	1,124	591	678	816
Full Simulation Period Average[a]	2,070	1,975	2,890	4,614	6,451	6,078	6,375	5,385	3,480	1,869	1,434	1,440
Wet Water Years (22%)	3,467	3,252	4,147	10,505	14,864	14,299	14,084	13,760	9,246	4,323	2,773	2,650
Above Normal Water Years (12%)	2,223	2,004	4,427	5,805	8,413	7,510	8,030	5,700	3,058	1,721	1,329	1,348
Below Normal Water Years (15%)	1,879	1,799	2,490	4,144	6,695	5,459	6,652	4,485	2,614	1,641	1,376	1,291
Dry Water Years (17%)	1,596	1,606	2,705	2,107	2,396	2,835	3,189	2,447	1,598	1,185	1,014	1,041
Critical Water Years (34%)	1,409	1,384	1,723	1,842	2,234	2,149	2,275	1,722	1,223	775	840	955

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-22-7c. San Joaquin River at Vernalis (60-20-20), Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

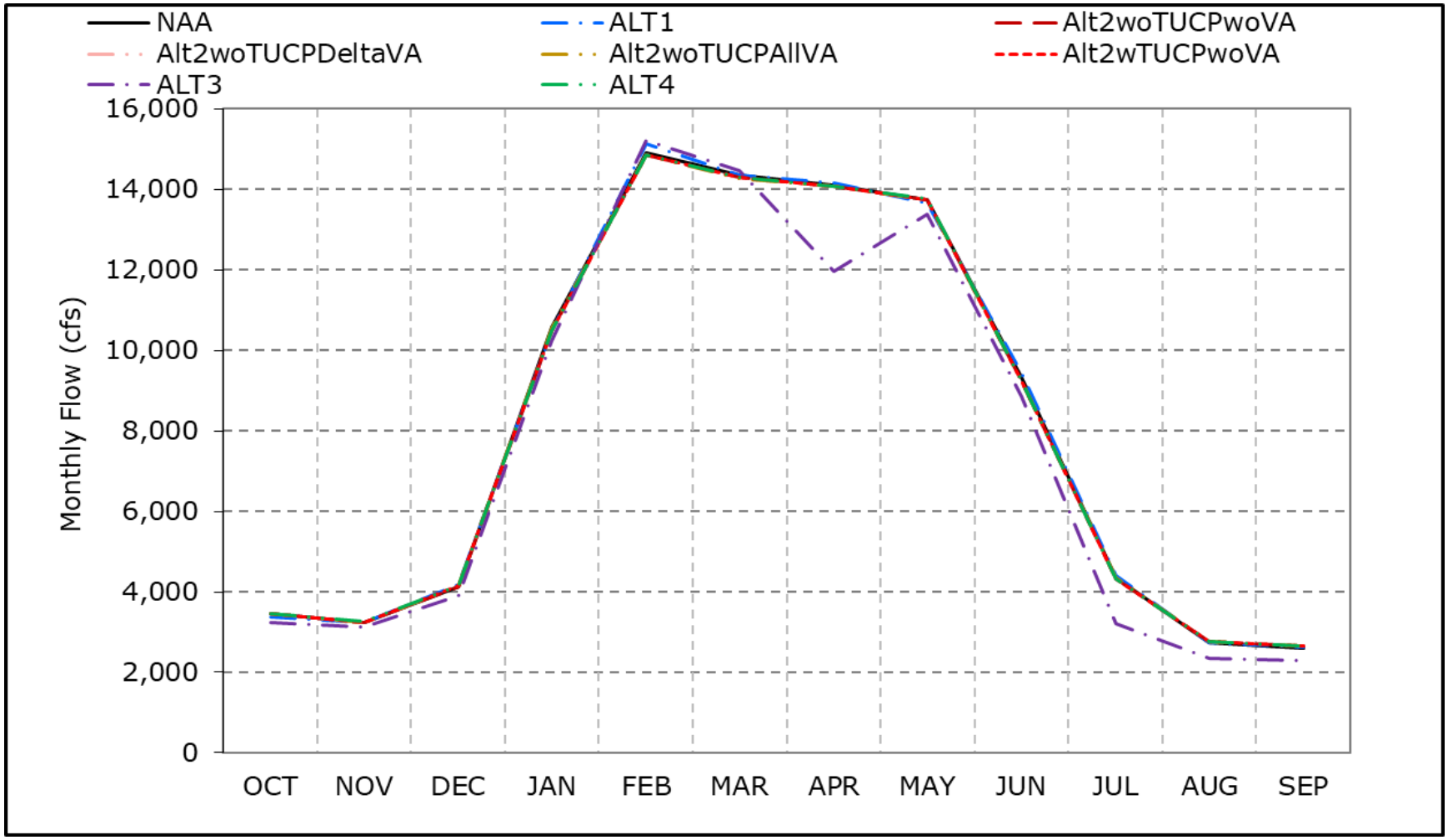
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	2	14	-16	157	-200	109	-7	12	10	83	145
20% Exceedance	-23	36	16	-13	108	23	-44	21	9	-142	-21	27
30% Exceedance	8	2	5	92	32	96	17	-54	6	23	42	13
40% Exceedance	-23	10	9	3	174	-32	-72	-33	17	3	52	8
50% Exceedance	-21	12	4	15	37	21	-18	-64	-10	80	34	-13
60% Exceedance	28	-10	-5	-5	16	29	18	-155	-44	16	37	34
70% Exceedance	19	13	4	-1	72	15	18	-22	38	32	40	48
80% Exceedance	8	11	16	12	25	17	19	4	24	20	21	40
90% Exceedance	15	-2	-2	-2	49	28	9	-2	60	18	26	51
Full Simulation Period Average[a]	9	6	27	-4	26	15	-24	-28	-13	13	37	33
Wet Water Years (22%)	14	9	30	-78	-59	-57	-10	18	-70	-39	27	41
Above Normal Water Years (12%)	12	11	19	48	88	45	-25	-3	13	19	18	18
Below Normal Water Years (15%)	-3	-9	17	19	23	29	-116	-89	-21	4	24	27
Dry Water Years (17%)	14	18	69	29	75	58	-34	-108	-39	2	33	36
Critical Water Years (34%)	8	4	10	-1	34	24	12	1	30	53	60	35

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



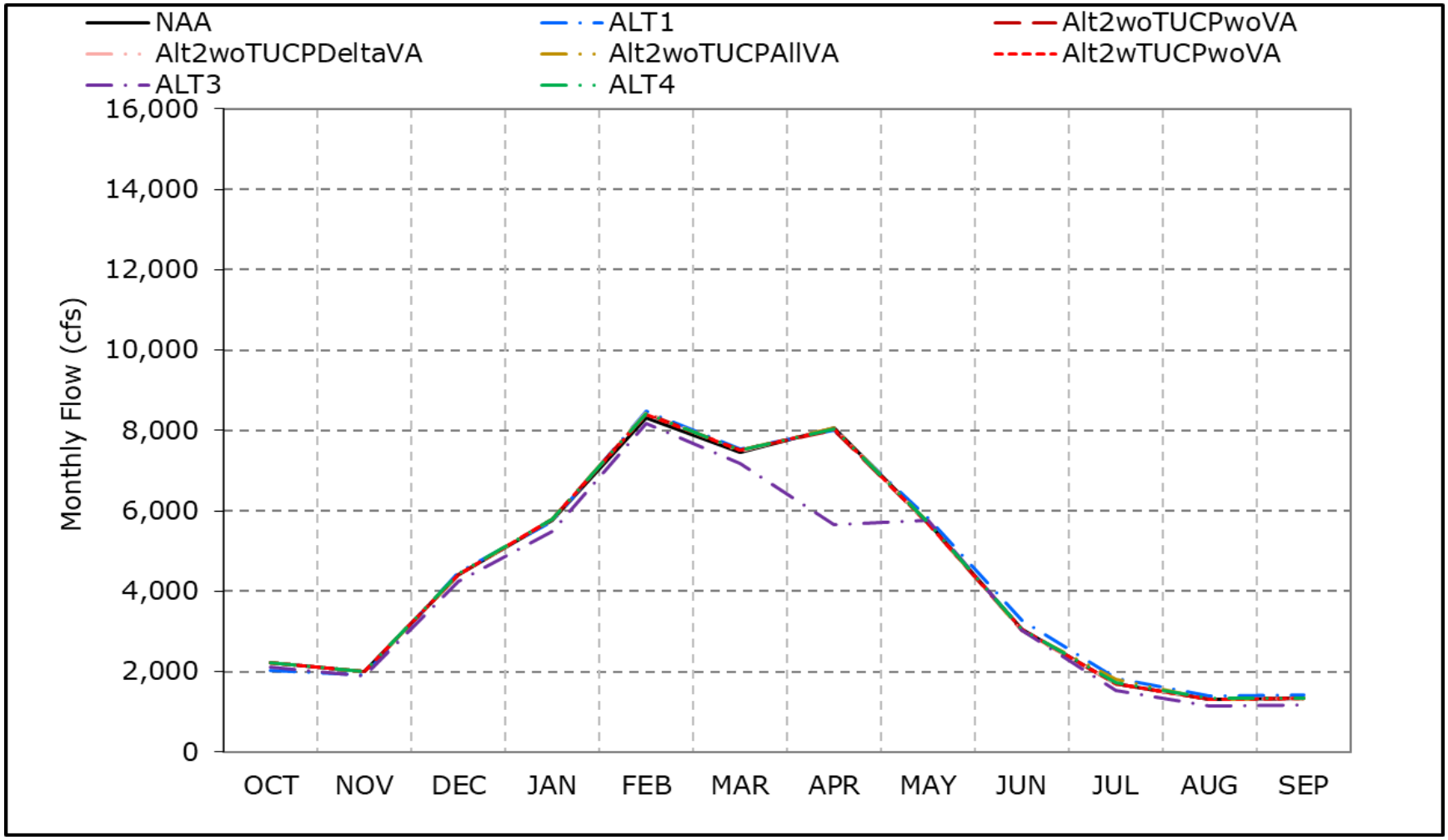
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-1. San Joaquin River at Vernalis (60-20-20), Long-Term Average Flow



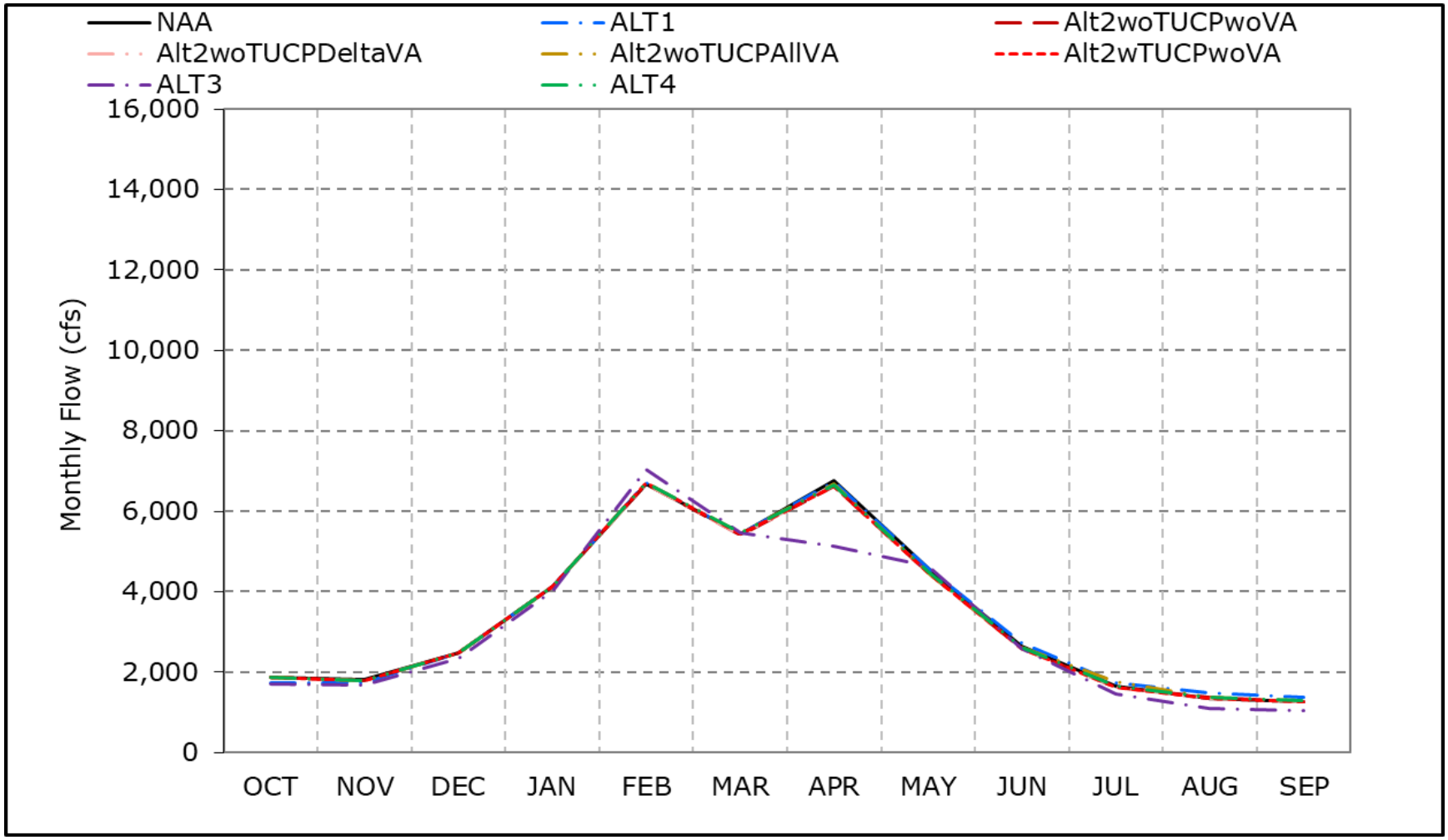
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-2. San Joaquin River at Vernalis (60-20-20), Wet Year Average Flow



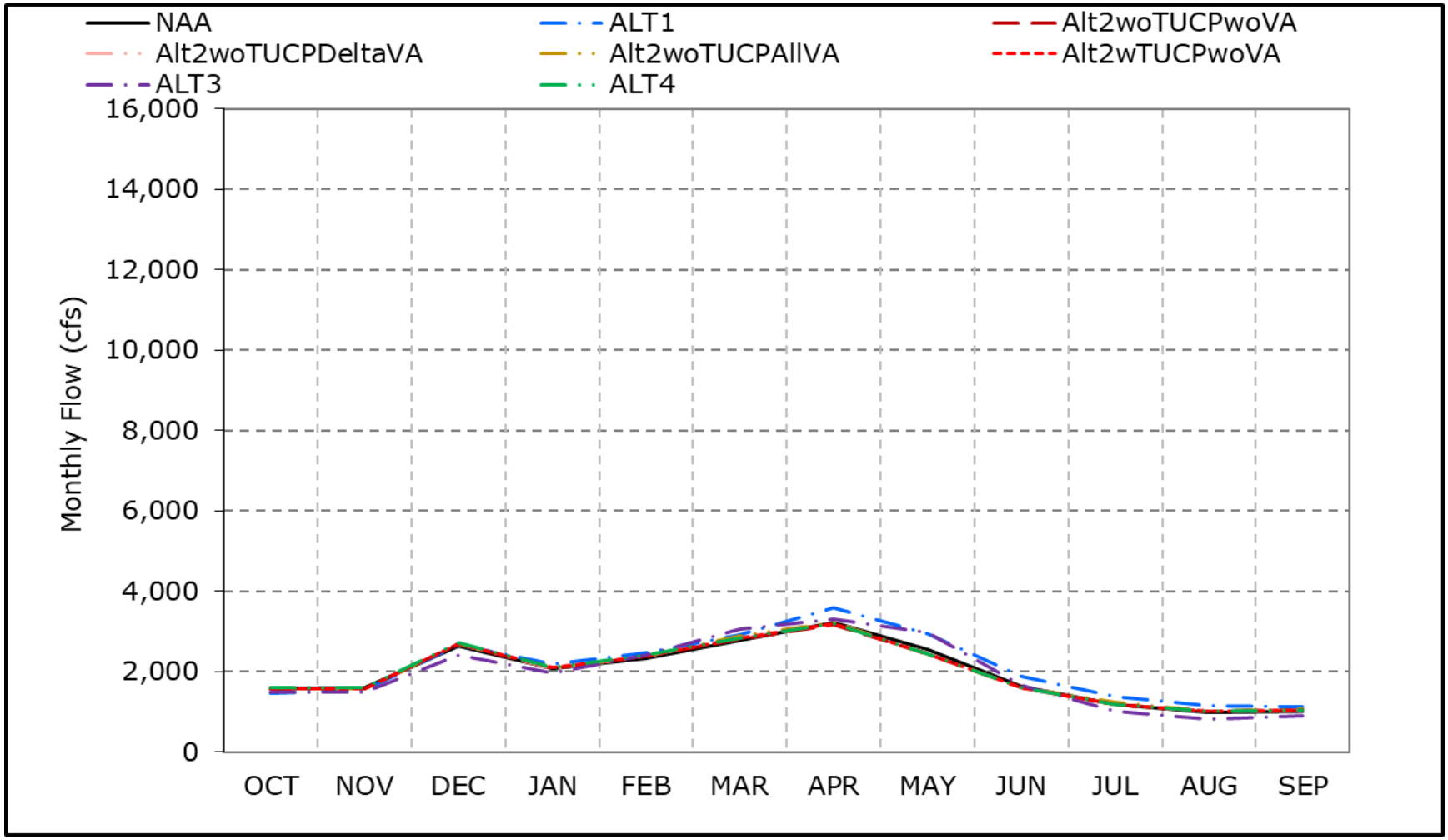
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-3. San Joaquin River at Vernalis (60-20-20), Above Normal Year Average Flow



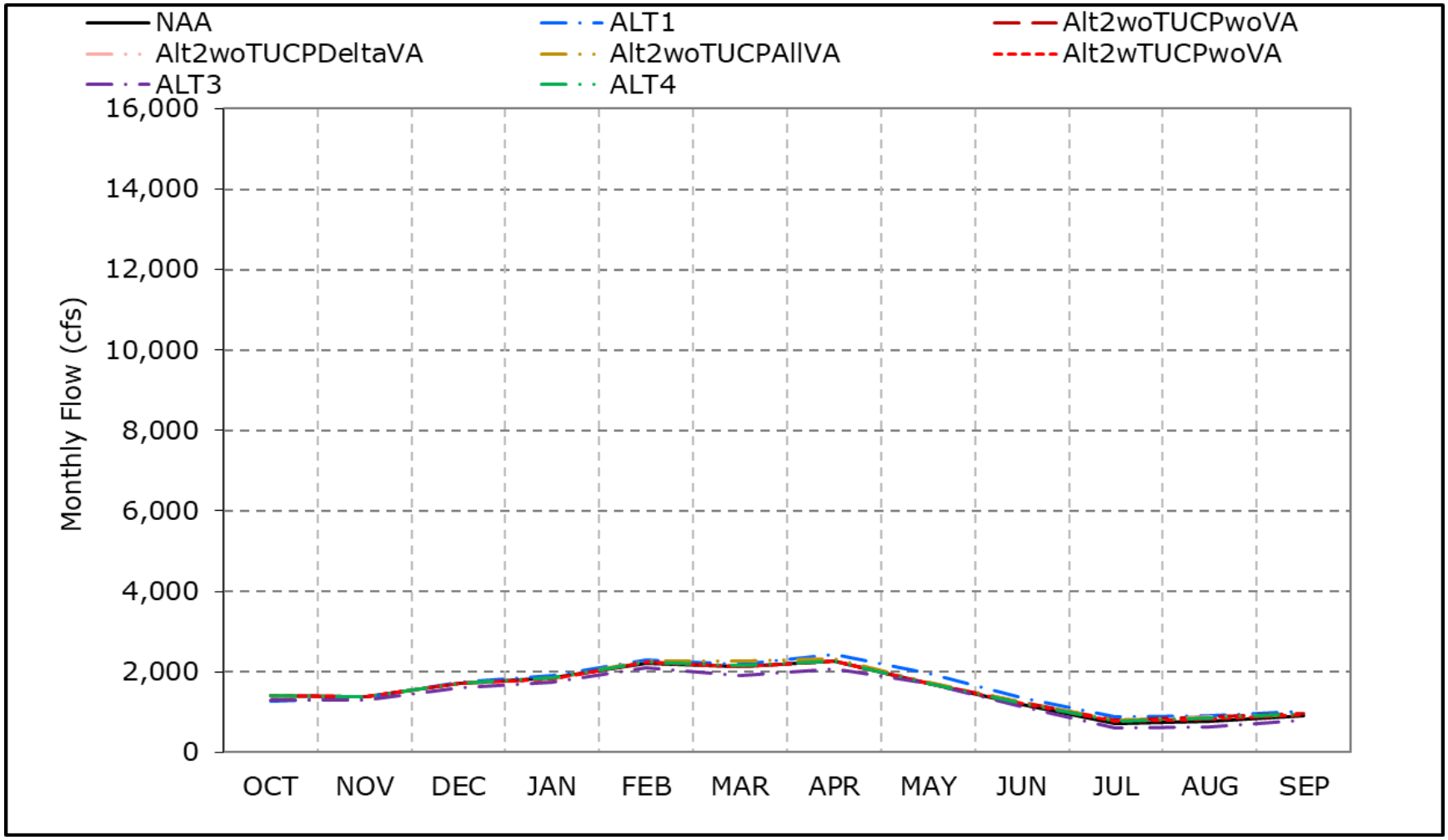
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-4. San Joaquin River at Vernalis (60-20-20), Below Normal Year Average Flow



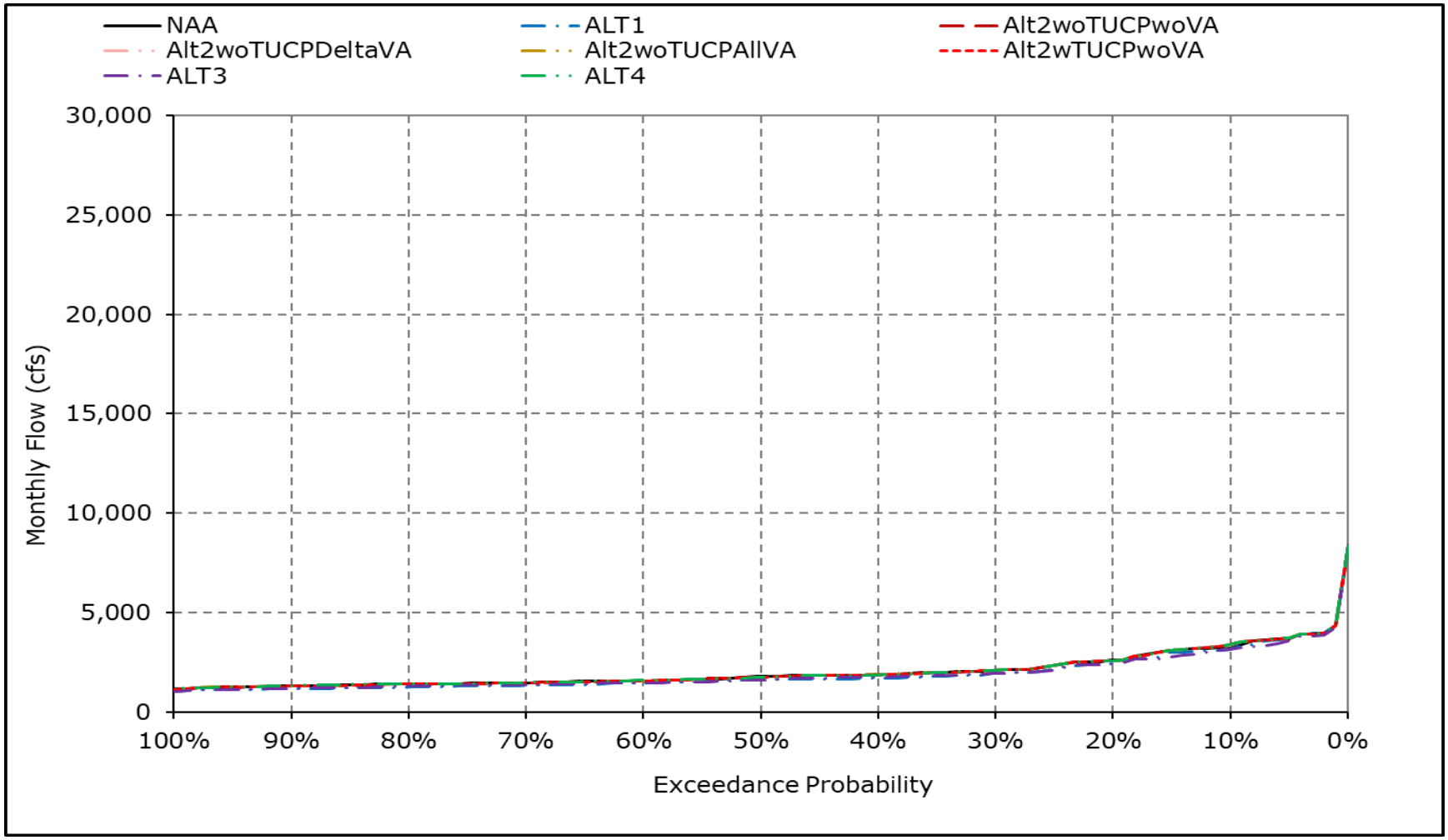
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-5. San Joaquin River at Vernalis (60-20-20), Dry Year Average Flow



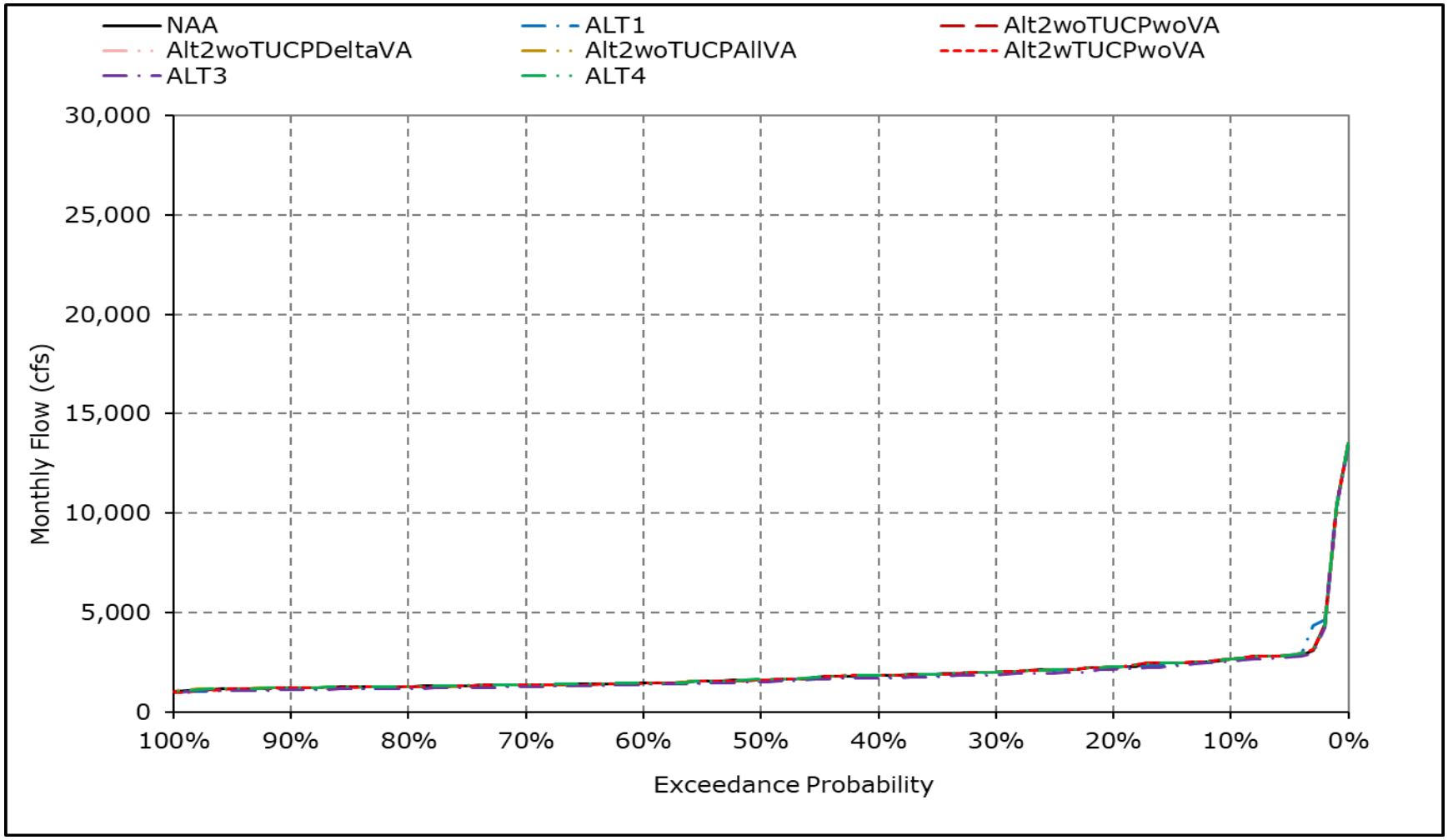
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-6. San Joaquin River at Vernalis (60-20-20), Critical Year Average Flow



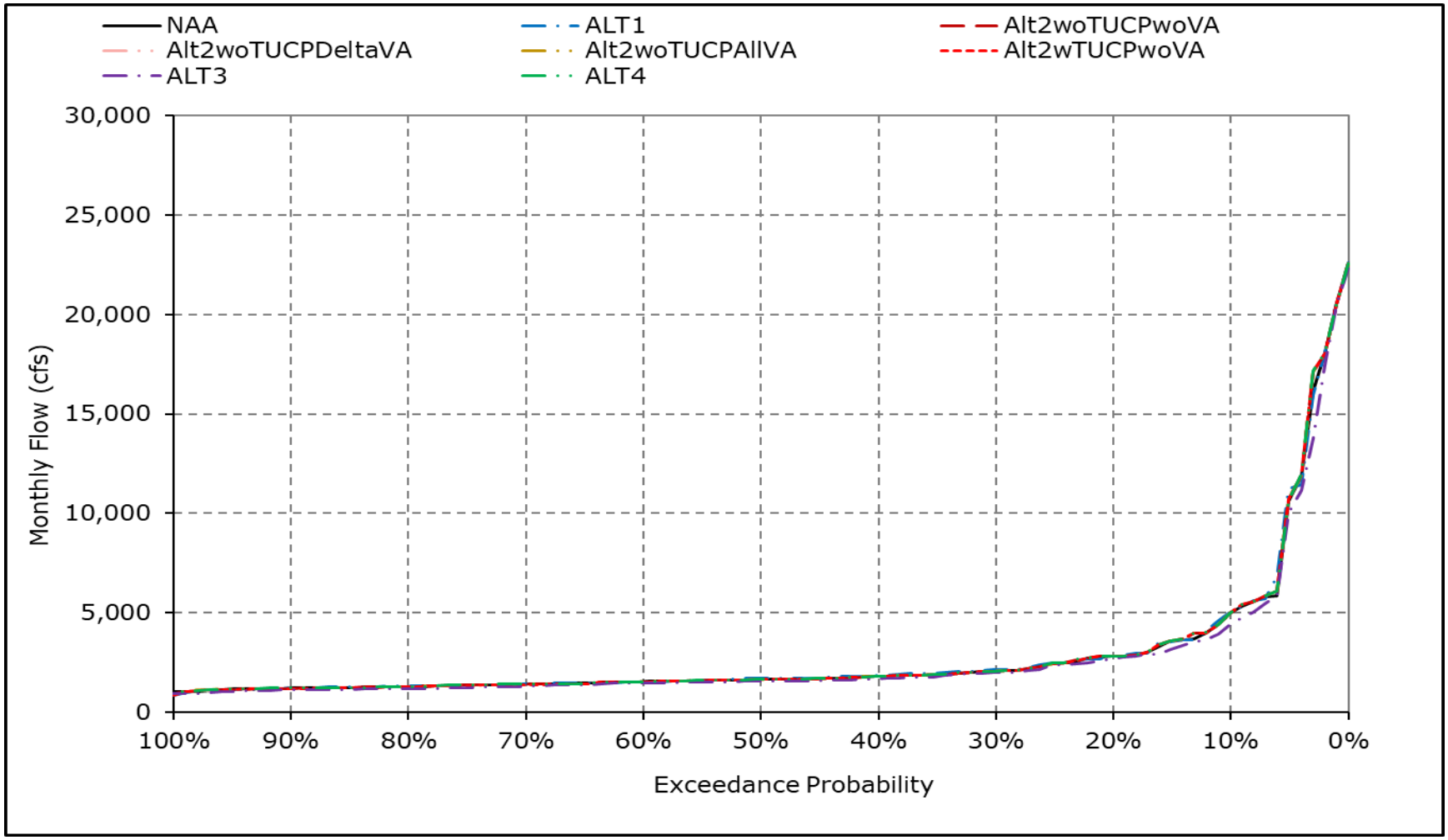
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-7. San Joaquin River at Vernalis (60-20-20), October



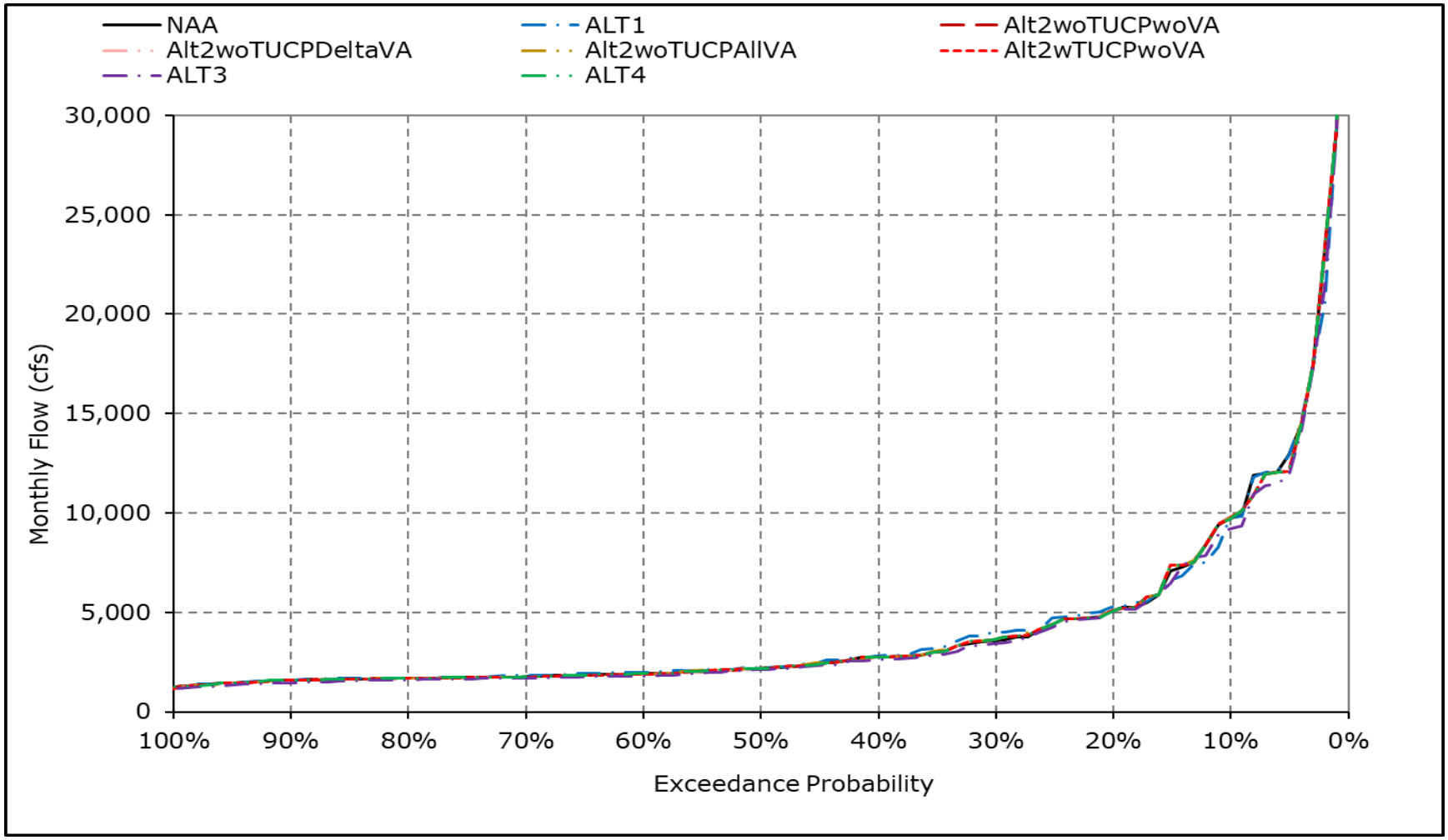
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-8. San Joaquin River at Vernalis (60-20-20), November



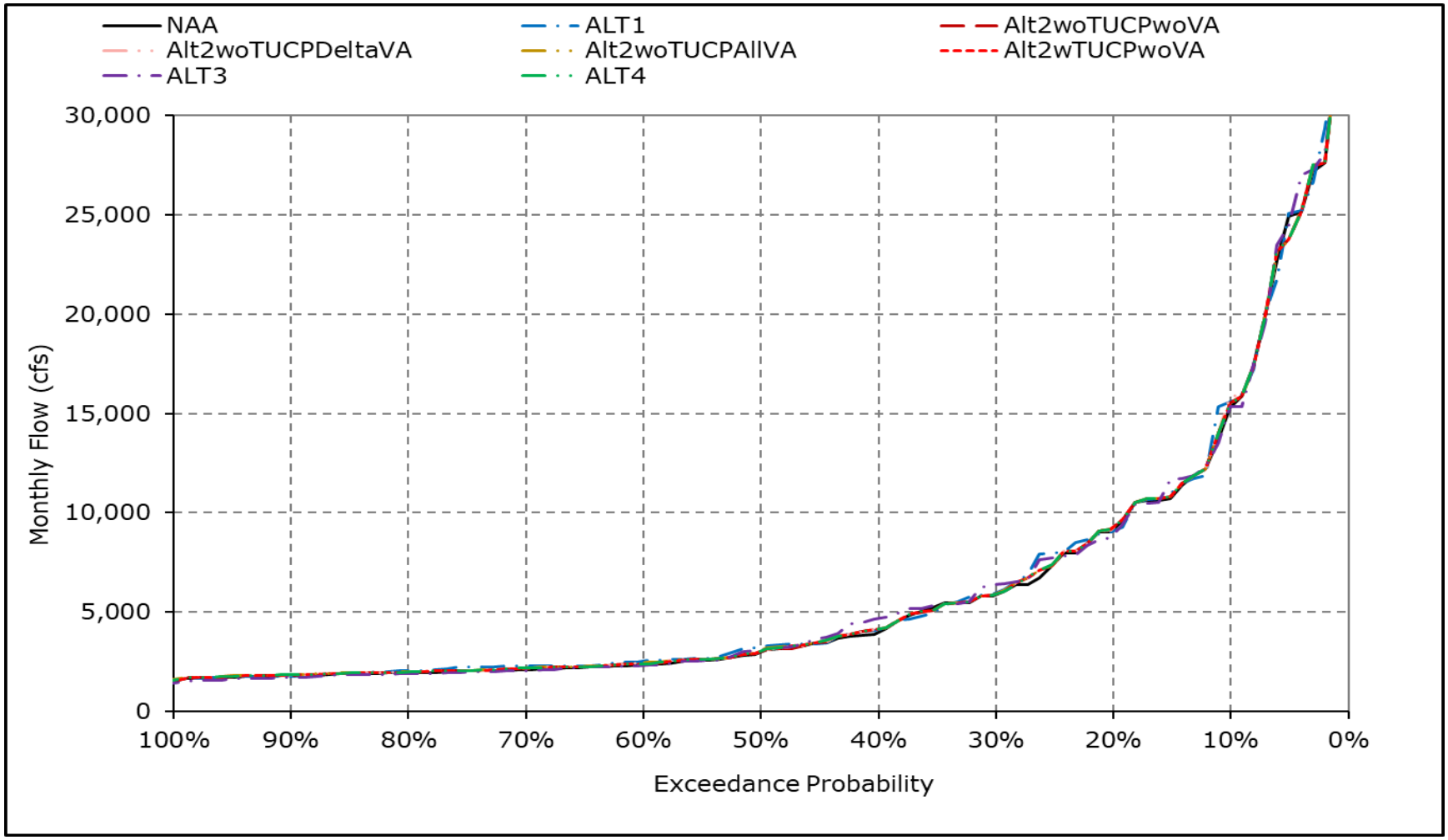
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-9. San Joaquin River at Vernalis (60-20-20), December



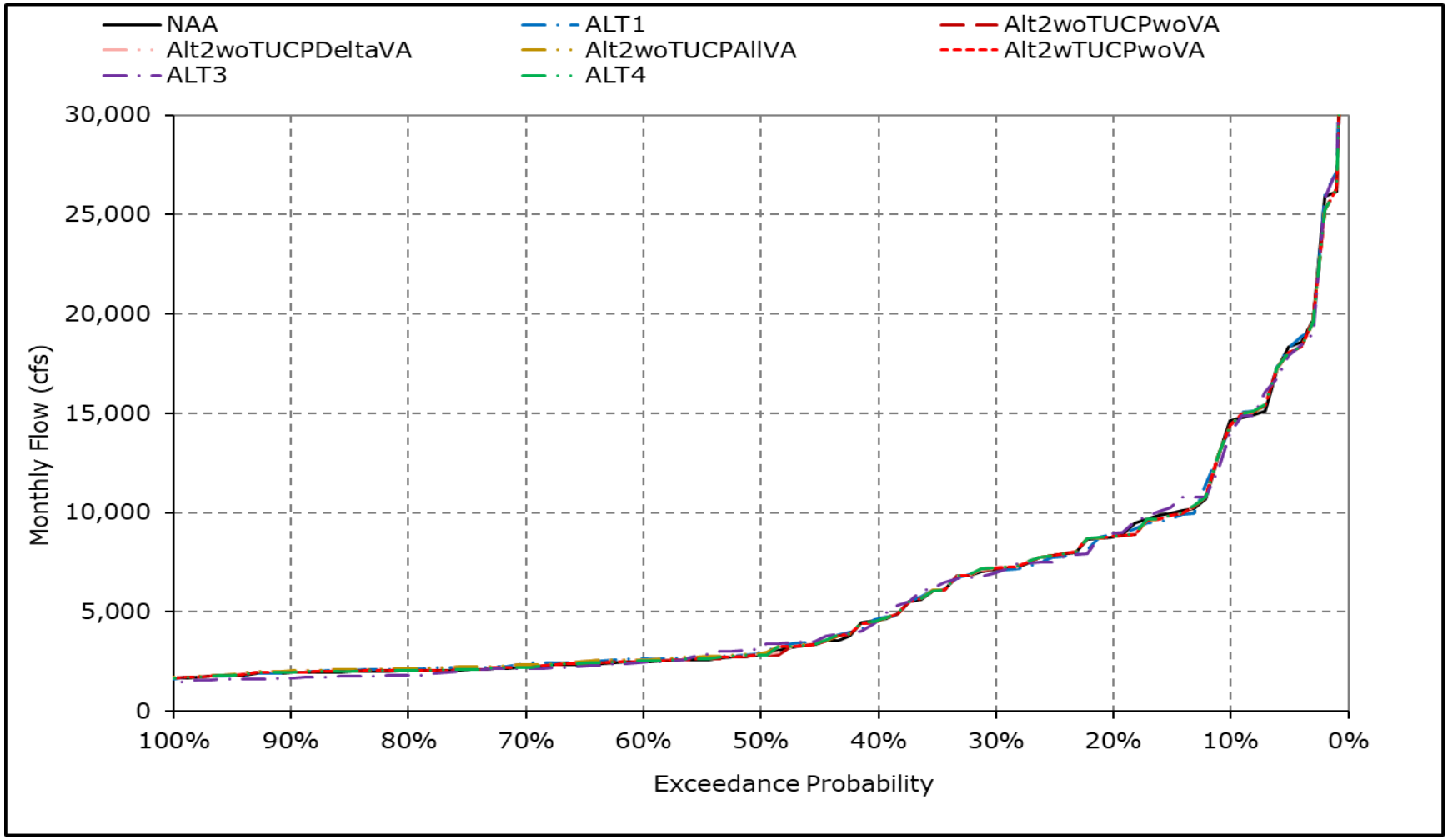
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-10. San Joaquin River at Vernalis (60-20-20), January



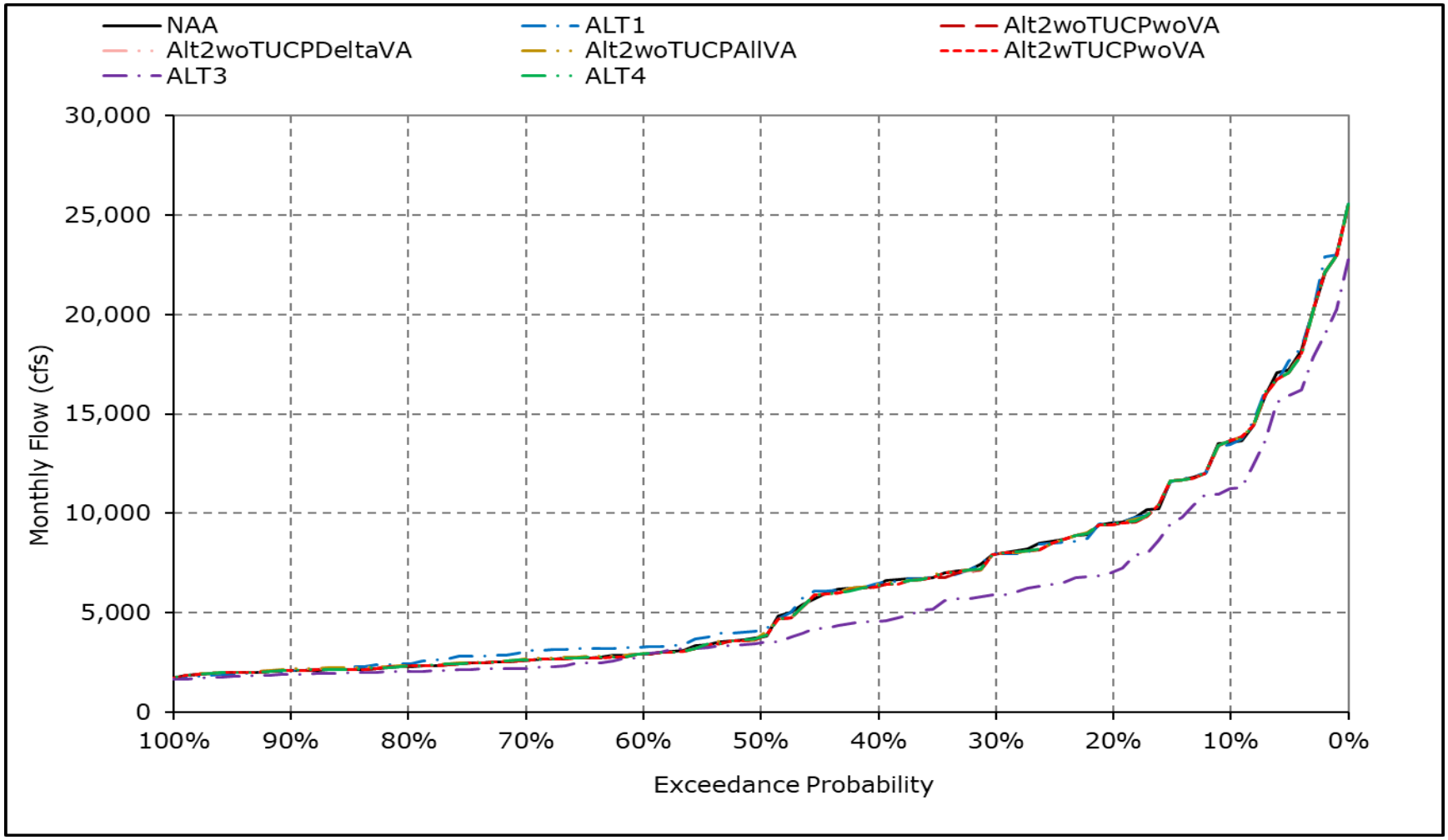
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-11. San Joaquin River at Vernalis (60-20-20), February



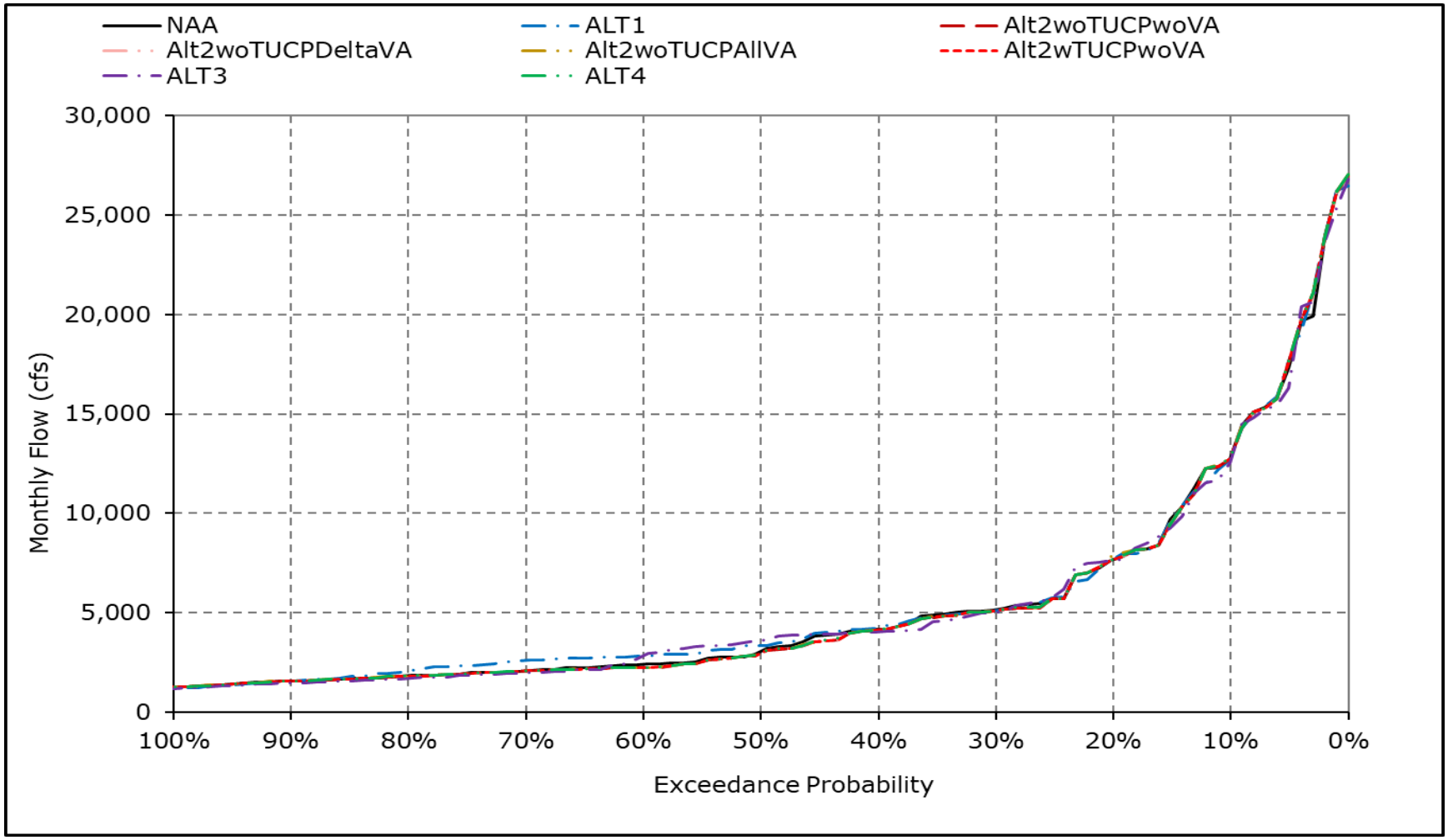
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-12. San Joaquin River at Vernalis (60-20-20), March



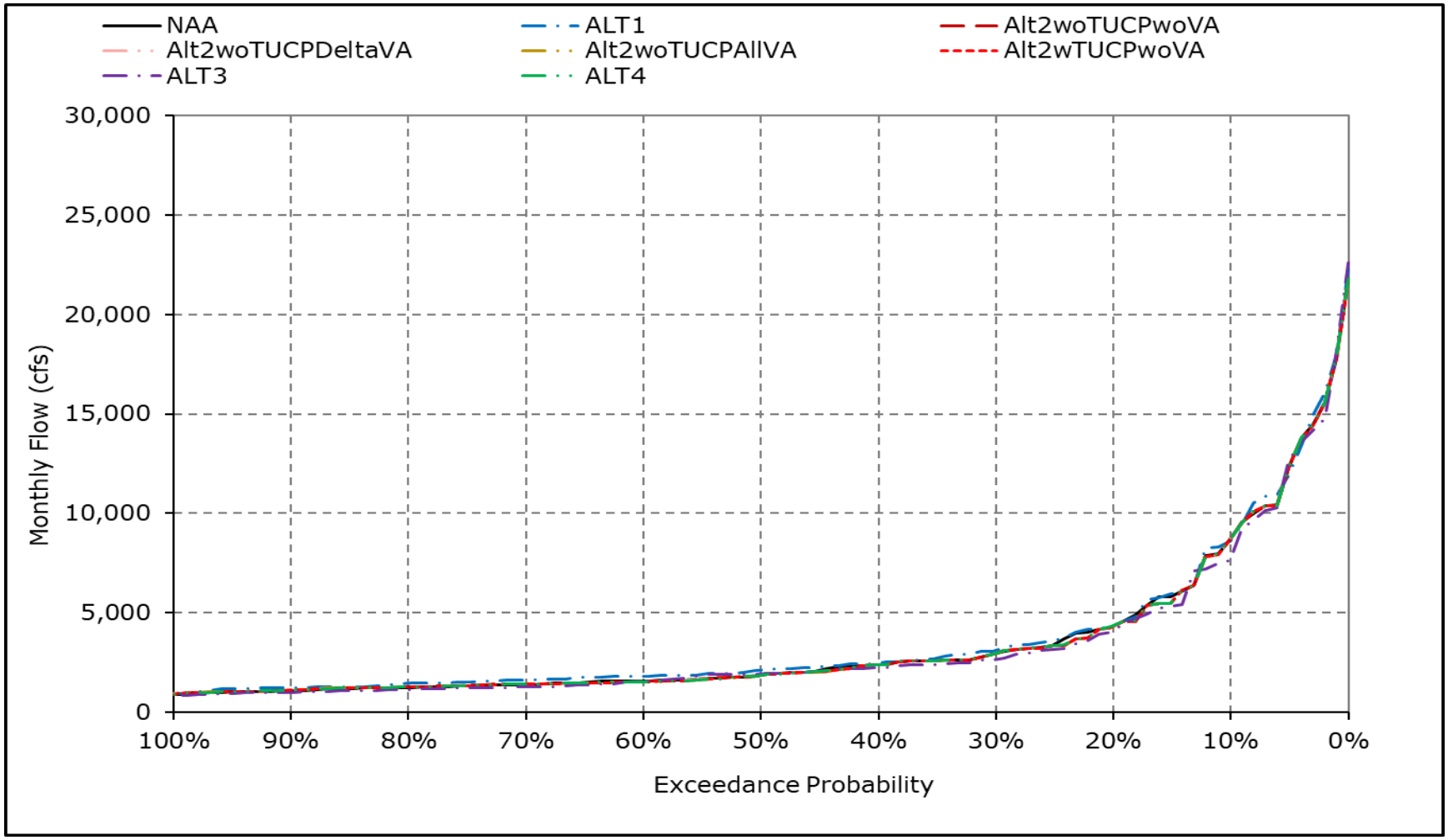
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-13. San Joaquin River at Vernalis (60-20-20), April



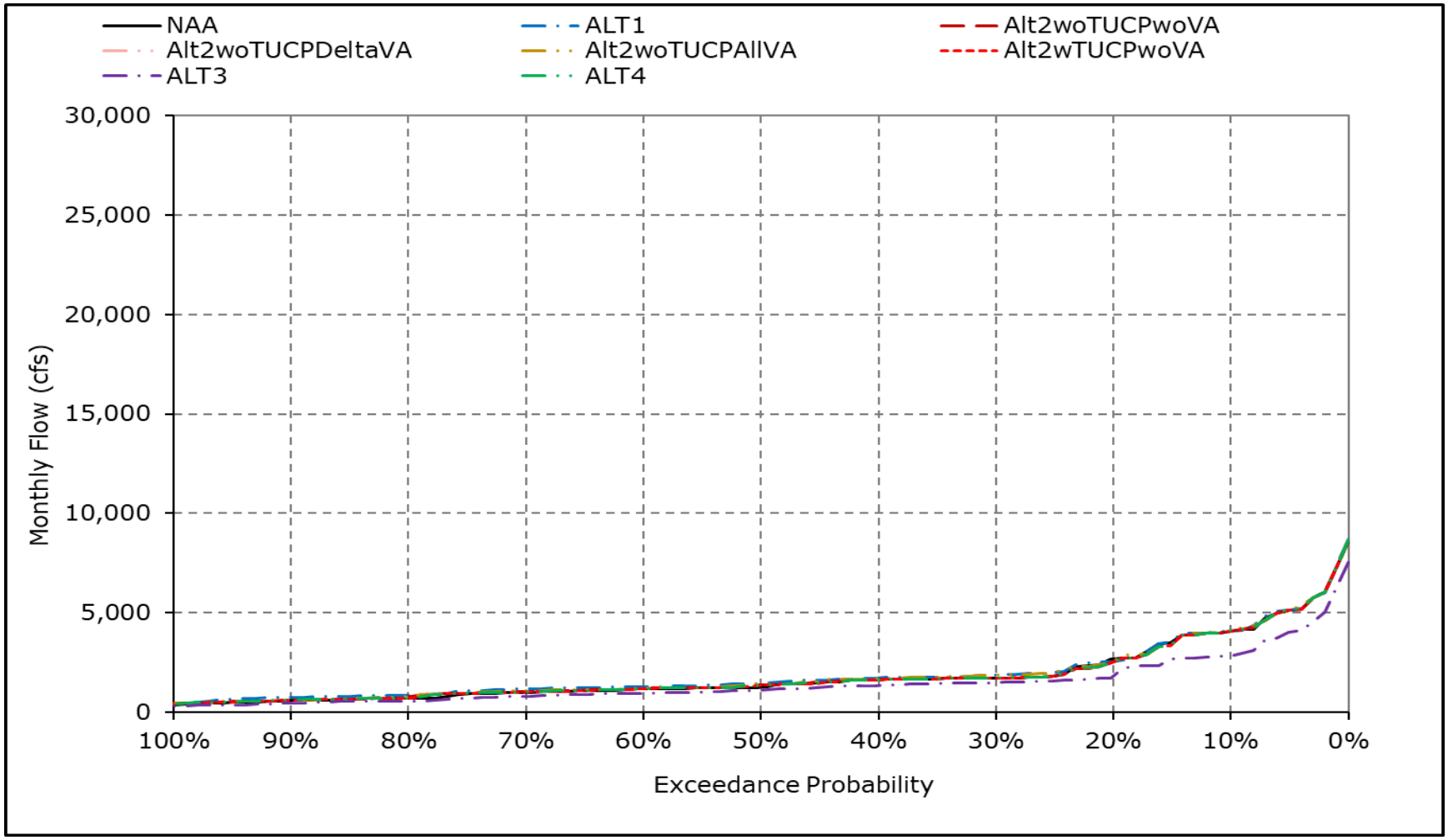
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-14. San Joaquin River at Vernalis (60-20-20), May



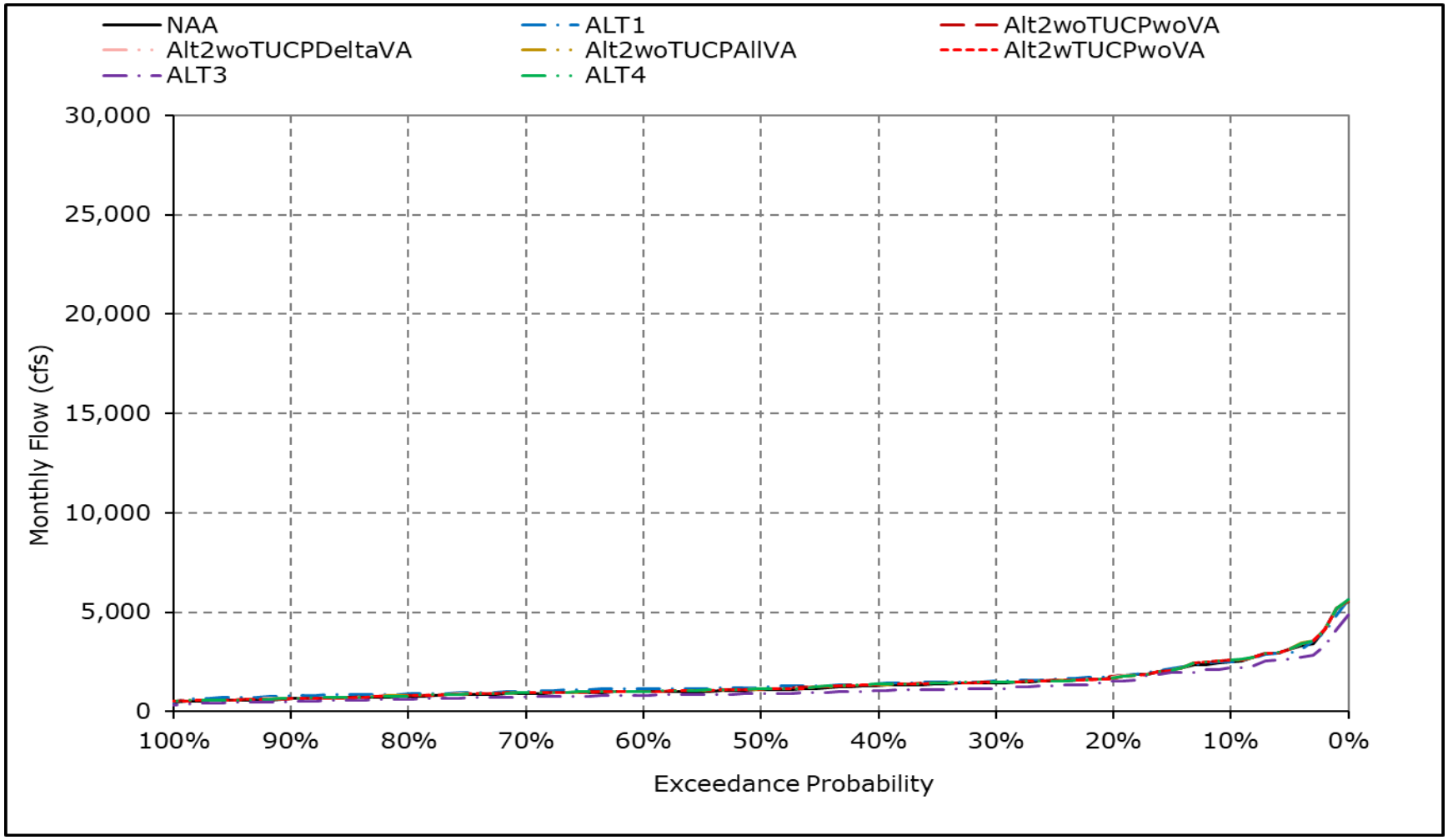
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-15. San Joaquin River at Vernalis (60-20-20), June



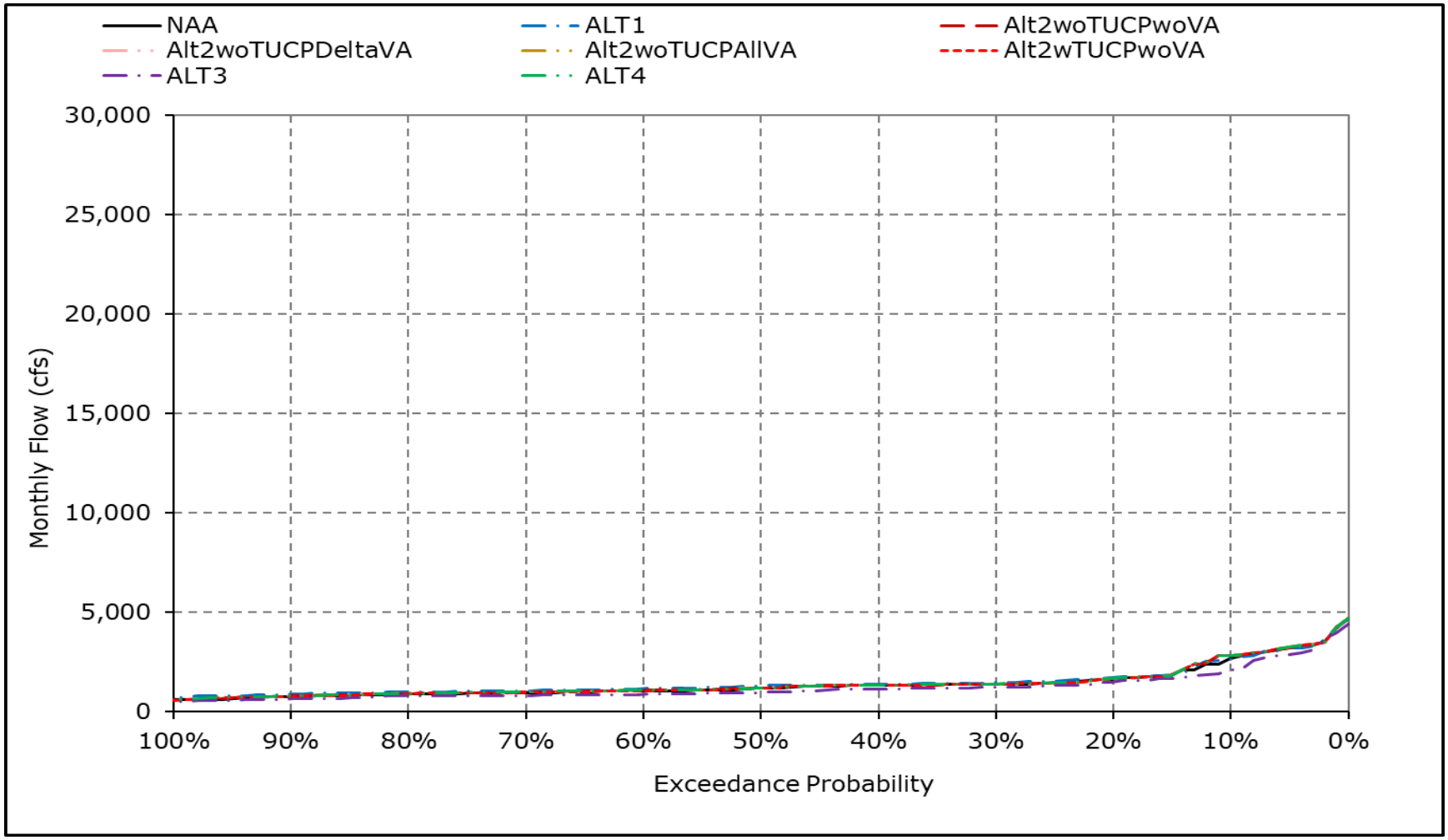
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-16. San Joaquin River at Vernalis (60-20-20), July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-17. San Joaquin River at Vernalis (60-20-20), August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-18. San Joaquin River at Vernalis (60-20-20), September

Table F.2.2-23-1a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-1b. Old and Middle River Flow, Alternative 1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,994	-1,980	-2,484	-3,849	-1,242	-712	-1,352	-1,618	-2,142	-3,679	-2,743	-3,367
20% Exceedance	-2,947	-2,829	-4,139	-5,401	-4,109	-2,789	-1,882	-2,206	-3,169	-5,782	-3,548	-4,197
30% Exceedance	-4,097	-3,597	-5,209	-6,947	-4,736	-3,550	-2,460	-2,701	-4,416	-7,070	-4,223	-4,837
40% Exceedance	-4,995	-5,185	-6,741	-7,942	-5,460	-4,720	-2,626	-2,859	-4,786	-8,500	-5,770	-5,670
50% Exceedance	-6,058	-5,994	-8,314	-8,505	-6,929	-5,728	-2,960	-3,107	-5,242	-9,093	-9,457	-7,053
60% Exceedance	-7,315	-7,498	-8,787	-8,936	-7,597	-6,268	-3,389	-3,408	-5,648	-9,802	-9,911	-8,564
70% Exceedance	-8,529	-8,039	-9,200	-9,245	-8,242	-6,721	-3,854	-3,544	-5,975	-10,423	-10,173	-9,693
80% Exceedance	-9,473	-8,768	-9,451	-9,499	-8,846	-7,453	-4,152	-3,998	-6,452	-10,795	-10,674	-10,485
90% Exceedance	-9,983	-9,288	-9,651	-9,855	-9,309	-8,822	-4,779	-4,493	-6,882	-10,980	-10,830	-11,020
Full Simulation Period Average[a]	-6,126	-5,814	-6,888	-7,161	-5,568	-4,691	-2,929	-2,913	-4,873	-8,272	-7,388	-7,201
Wet Water Years (28%)	-8,897	-7,777	-7,069	-6,055	-3,608	-2,689	-2,794	-2,814	-4,905	-9,470	-10,093	-9,909
Above Normal Water Years (14%)	-8,113	-6,979	-8,113	-8,831	-6,594	-6,252	-4,060	-3,955	-6,329	-10,392	-10,680	-9,683
Below Normal Water Years (18%)	-5,641	-5,865	-7,474	-8,743	-6,481	-6,710	-3,546	-3,118	-5,807	-9,702	-8,277	-7,586
Dry Water Years (24%)	-4,304	-5,040	-6,279	-7,242	-6,844	-5,793	-2,810	-2,889	-4,935	-7,850	-4,905	-4,936
Critical Water Years (16%)	-2,467	-2,163	-5,598	-5,732	-5,161	-2,902	-1,660	-1,984	-2,397	-3,345	-2,497	-3,252

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-1c. Old and Middle River Flow, Alternative 1 minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-70	-336	-623	-370	-499	968	-716	-484	-226	-1,552	-52	-316
20% Exceedance	-745	-341	-912	-1,755	-88	497	-989	-699	198	-159	183	0
30% Exceedance	-1,175	756	-526	-3,302	-675	-50	-1,012	-924	-60	344	772	-307
40% Exceedance	-759	344	-1,451	-3,426	-1,316	-1,220	-858	-949	-105	148	937	-685
50% Exceedance	-1,189	1,681	-3,024	-3,989	-2,769	-2,228	-964	-1,083	-347	372	-438	-1,513
60% Exceedance	-2,003	713	-3,497	-4,420	-3,280	-2,768	-1,243	-1,205	-648	227	-204	-2,229
70% Exceedance	-2,753	539	-3,909	-4,728	-3,827	-3,065	-1,516	-1,181	-975	-121	112	-2,439
80% Exceedance	-3,271	237	-3,322	-4,647	-4,382	-3,383	-1,718	-1,476	-1,452	-2	-111	-1,866
90% Exceedance	-2,889	70	-2,178	-4,855	-4,826	-4,752	-1,360	-1,886	-1,882	129	106	-1,927
Full Simulation Period Average[a]	-1,488	364	-2,014	-3,374	-2,301	-1,803	-1,131	-1,089	-650	-31	77	-1,227
Wet Water Years (28%)	-2,770	623	-1,499	-3,336	-1,902	-1,429	-934	-1,719	-746	237	22	-2,267
Above Normal Water Years (14%)	-3,178	1,421	-2,149	-4,529	-3,065	-3,083	-2,409	-1,606	-1,551	-369	-294	-3,830
Below Normal Water Years (18%)	-490	259	-2,574	-4,432	-2,382	-3,052	-1,486	-1,004	-948	145	766	-828
Dry Water Years (24%)	-660	-181	-2,575	-2,799	-2,813	-1,860	-715	-684	-139	153	-86	554
Critical Water Years (16%)	72	-181	-1,267	-2,103	-1,469	150	-581	-236	-125	-677	-33	-250

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-2a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-2b. Old and Middle River Flow, Alt2woTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,853	-1,578	-2,095	-3,115	-1,207	-1,296	-1,341	-1,560	-1,871	-3,218	-2,453	-3,402
20% Exceedance	-2,337	-2,360	-3,043	-3,518	-3,580	-3,413	-1,917	-2,103	-3,215	-5,012	-3,065	-4,330
30% Exceedance	-2,774	-4,002	-5,055	-3,645	-3,741	-3,500	-2,293	-2,621	-4,364	-7,202	-4,400	-4,616
40% Exceedance	-3,677	-5,706	-5,290	-3,983	-3,938	-3,500	-2,530	-2,812	-4,400	-8,442	-6,486	-4,899
50% Exceedance	-4,737	-7,681	-5,290	-4,262	-4,030	-3,575	-2,648	-3,068	-4,419	-9,296	-9,089	-5,429
60% Exceedance	-5,183	-8,356	-5,290	-4,343	-4,051	-3,712	-2,991	-3,236	-4,475	-9,703	-9,813	-6,462
70% Exceedance	-5,732	-8,642	-5,290	-4,516	-4,223	-3,905	-3,576	-3,497	-4,490	-10,558	-10,511	-7,065
80% Exceedance	-6,148	-9,047	-5,479	-4,538	-4,464	-4,025	-3,909	-3,815	-4,491	-11,061	-10,793	-8,513
90% Exceedance	-7,149	-9,359	-7,527	-4,775	-4,483	-4,328	-4,048	-4,013	-4,505	-11,221	-11,224	-9,761
Full Simulation Period Average[a]	-4,513	-6,147	-4,885	-3,562	-3,197	-2,980	-2,661	-2,782	-3,916	-8,227	-7,443	-6,168
Wet Water Years (28%)	-6,118	-8,356	-5,648	-2,635	-1,996	-2,021	-2,786	-2,780	-4,080	-9,598	-10,081	-7,801
Above Normal Water Years (14%)	-4,786	-8,406	-5,965	-4,235	-3,762	-3,286	-3,504	-3,578	-4,381	-10,361	-10,602	-6,318
Below Normal Water Years (18%)	-4,844	-6,200	-4,829	-4,147	-3,855	-3,642	-2,966	-3,003	-4,403	-9,859	-8,956	-6,970
Dry Water Years (24%)	-3,620	-4,816	-3,704	-3,989	-3,612	-3,812	-2,504	-2,734	-4,294	-7,625	-4,800	-5,420
Critical Water Years (16%)	-2,278	-1,833	-4,337	-3,300	-3,444	-2,398	-1,598	-1,913	-2,106	-3,030	-2,329	-3,401

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-2c. Old and Middle River Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	72	67	-234	365	-465	383	-704	-426	45	-1,091	238	-351
20% Exceedance	-135	127	183	127	440	-127	-1,024	-597	152	612	666	-133
30% Exceedance	149	350	-373	0	320	0	-844	-844	-8	212	595	-86
40% Exceedance	560	-176	0	533	206	0	-762	-903	280	206	221	87
50% Exceedance	133	-6	0	254	130	-75	-652	-1,044	475	168	-70	110
60% Exceedance	129	-145	0	173	266	-212	-845	-1,032	525	327	-106	-127
70% Exceedance	45	-64	0	0	192	-250	-1,238	-1,134	510	-255	-227	188
80% Exceedance	55	-42	651	314	0	45	-1,475	-1,293	509	-267	-230	106
90% Exceedance	-54	-1	-54	225	0	-258	-629	-1,405	495	-112	-288	-668
Full Simulation Period Average[a]	125	30	-10	224	70	-92	-863	-958	307	14	21	-194
Wet Water Years (28%)	10	44	-79	84	-290	-760	-925	-1,685	78	110	35	-159
Above Normal Water Years (14%)	149	-7	-2	67	-234	-117	-1,854	-1,230	397	-338	-216	-464
Below Normal Water Years (18%)	308	-76	71	164	245	17	-906	-889	456	-13	87	-212
Dry Water Years (24%)	24	43	1	453	419	121	-409	-530	502	378	19	70
Critical Water Years (16%)	261	149	-6	330	248	655	-519	-165	166	-362	134	-399

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-3a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-3b. Old and Middle River Flow, Alt2woTUCPDeltaVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,784	-1,481	-2,352	-3,107	-1,166	-1,165	-197	-1,534	-1,962	-3,481	-2,728	-3,474
20% Exceedance	-2,455	-2,469	-3,519	-3,522	-3,580	-1,249	-1,045	-1,807	-3,247	-5,523	-3,798	-4,360
30% Exceedance	-2,808	-4,044	-4,622	-3,645	-3,741	-1,485	-1,380	-2,179	-4,400	-7,561	-5,096	-4,590
40% Exceedance	-3,861	-6,219	-5,290	-4,055	-3,942	-1,727	-1,672	-2,681	-4,400	-8,324	-8,028	-5,104
50% Exceedance	-4,715	-7,683	-5,290	-4,262	-4,030	-2,353	-1,830	-2,847	-4,467	-9,247	-8,891	-5,624
60% Exceedance	-5,182	-8,408	-5,290	-4,352	-4,042	-3,458	-2,181	-3,146	-4,475	-9,703	-9,726	-6,545
70% Exceedance	-5,749	-8,753	-5,290	-4,516	-4,223	-3,690	-2,416	-3,403	-4,490	-10,546	-10,417	-7,227
80% Exceedance	-6,095	-9,140	-5,511	-4,625	-4,451	-3,893	-2,796	-3,803	-4,496	-11,037	-10,757	-8,529
90% Exceedance	-7,156	-9,433	-7,498	-4,775	-4,466	-4,281	-3,352	-4,039	-4,505	-11,456	-11,383	-9,752
Full Simulation Period Average[a]	-4,563	-6,210	-4,919	-3,572	-3,196	-2,164	-1,784	-2,660	-3,930	-8,433	-7,750	-6,230
Wet Water Years (28%)	-6,111	-8,528	-5,492	-2,623	-1,989	-1,738	-1,843	-2,779	-4,077	-9,573	-10,098	-7,927
Above Normal Water Years (14%)	-4,762	-8,611	-5,948	-4,235	-3,765	-1,925	-1,413	-3,254	-4,368	-10,333	-10,670	-6,654
Below Normal Water Years (18%)	-5,061	-6,312	-4,906	-4,132	-3,830	-1,868	-2,086	-2,913	-4,496	-9,902	-9,527	-6,908
Dry Water Years (24%)	-3,660	-4,745	-3,779	-4,081	-3,634	-2,844	-1,843	-2,471	-4,242	-8,094	-5,415	-5,336
Critical Water Years (16%)	-2,325	-1,700	-4,656	-3,261	-3,442	-2,429	-1,579	-1,930	-2,184	-3,633	-2,591	-3,467

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-3c. Old and Middle River Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	140	164	-491	373	-423	515	439	-400	-45	-1,354	-37	-424
20% Exceedance	-253	19	-293	123	440	2,037	-153	-300	121	100	-67	-163
30% Exceedance	114	308	61	0	320	2,015	68	-403	-45	-147	-101	-60
40% Exceedance	375	-689	0	461	202	1,773	96	-771	280	324	-1,321	-118
50% Exceedance	154	-7	0	254	130	1,147	166	-823	428	217	128	-85
60% Exceedance	130	-197	0	165	275	42	-35	-942	525	326	-19	-210
70% Exceedance	28	-174	0	0	192	-35	-79	-1,040	510	-243	-132	27
80% Exceedance	107	-134	619	227	14	177	-362	-1,281	504	-244	-194	89
90% Exceedance	-62	-75	-25	225	17	-211	67	-1,431	495	-346	-446	-659
Full Simulation Period Average[a]	75	-32	-44	214	71	724	14	-835	292	-192	-285	-256
Wet Water Years (28%)	17	-128	78	95	-283	-478	18	-1,683	82	135	17	-284
Above Normal Water Years (14%)	173	-212	15	67	-237	1,244	238	-906	410	-310	-284	-800
Below Normal Water Years (18%)	91	-189	-7	179	270	1,790	-26	-799	363	-55	-484	-150
Dry Water Years (24%)	-17	114	-75	362	397	1,090	252	-266	553	-91	-596	154
Critical Water Years (16%)	214	282	-326	369	249	624	-500	-182	88	-965	-128	-465

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-4a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-4b. Old and Middle River Flow, Alt2woTUCPAllVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,822	-1,415	-2,343	-3,111	-973	-1,085	-242	-1,310	-1,791	-3,401	-2,627	-3,445
20% Exceedance	-2,341	-2,567	-3,389	-3,522	-3,555	-1,245	-791	-1,757	-3,232	-5,505	-3,792	-4,268
30% Exceedance	-2,830	-4,081	-4,469	-3,645	-3,737	-1,357	-1,162	-2,140	-4,199	-7,266	-4,968	-4,597
40% Exceedance	-3,913	-6,244	-5,290	-3,983	-3,928	-1,557	-1,450	-2,542	-4,400	-8,410	-7,969	-5,095
50% Exceedance	-4,786	-7,698	-5,290	-4,262	-4,022	-2,067	-1,686	-2,891	-4,400	-9,225	-8,984	-5,550
60% Exceedance	-5,231	-8,489	-5,290	-4,343	-4,042	-3,250	-1,912	-3,134	-4,475	-9,706	-9,630	-6,372
70% Exceedance	-5,769	-8,721	-5,290	-4,516	-4,223	-3,595	-2,288	-3,404	-4,490	-10,532	-10,432	-7,081
80% Exceedance	-6,234	-9,138	-5,549	-4,625	-4,464	-3,877	-2,590	-3,805	-4,491	-11,022	-10,733	-8,486
90% Exceedance	-7,415	-9,533	-7,443	-4,775	-4,483	-4,149	-3,300	-4,048	-4,505	-11,395	-11,394	-9,771
Full Simulation Period Average[a]	-4,619	-6,245	-4,879	-3,562	-3,174	-2,051	-1,620	-2,651	-3,910	-8,370	-7,753	-6,191
Wet Water Years (28%)	-6,236	-8,526	-5,488	-2,625	-1,984	-1,663	-1,777	-2,779	-4,079	-9,568	-10,096	-7,840
Above Normal Water Years (14%)	-4,890	-8,612	-5,926	-4,235	-3,692	-1,875	-1,311	-3,253	-4,345	-10,267	-10,616	-6,441
Below Normal Water Years (18%)	-4,998	-6,354	-4,861	-4,135	-3,830	-1,776	-1,795	-2,974	-4,466	-9,858	-9,529	-7,009
Dry Water Years (24%)	-3,659	-4,851	-3,843	-4,028	-3,620	-2,705	-1,562	-2,391	-4,239	-7,925	-5,414	-5,332
Critical Water Years (16%)	-2,411	-1,719	-4,371	-3,267	-3,398	-2,212	-1,507	-1,930	-2,112	-3,606	-2,656	-3,455

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-4c. Old and Middle River Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	102	230	-482	369	-231	595	394	-176	125	-1,274	64	-395
20% Exceedance	-139	-79	-163	123	465	2,041	101	-251	135	118	-61	-71
30% Exceedance	93	272	214	0	324	2,143	287	-363	156	148	27	-67
40% Exceedance	323	-715	0	533	216	1,943	318	-633	280	237	-1,262	-109
50% Exceedance	83	-22	0	254	138	1,433	310	-867	494	240	35	-11
60% Exceedance	81	-278	0	173	274	250	234	-930	525	323	76	-37
70% Exceedance	8	-142	0	0	192	60	49	-1,041	510	-229	-147	173
80% Exceedance	-32	-133	581	227	0	193	-156	-1,283	509	-229	-170	133
90% Exceedance	-320	-175	31	225	0	-79	119	-1,441	495	-286	-458	-678
Full Simulation Period Average[a]	19	-67	-4	225	94	836	178	-827	313	-129	-288	-217
Wet Water Years (28%)	-109	-126	81	94	-279	-403	83	-1,684	79	139	20	-198
Above Normal Water Years (14%)	45	-213	37	67	-163	1,294	339	-905	433	-244	-230	-587
Below Normal Water Years (18%)	153	-230	38	177	270	1,882	265	-860	392	-12	-486	-251
Dry Water Years (24%)	-15	8	-139	414	411	1,228	533	-186	557	78	-595	158
Critical Water Years (16%)	128	263	-40	363	294	840	-428	-182	160	-938	-193	-453

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-5a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-5b. Old and Middle River Flow, Alt2wTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,834	-1,721	-2,340	-3,116	-907	-1,631	-765	-1,440	-1,784	-2,188	-2,352	-3,153
20% Exceedance	-2,372	-2,703	-3,378	-3,518	-3,580	-3,498	-1,904	-2,100	-3,255	-5,066	-3,058	-4,309
30% Exceedance	-2,786	-3,970	-5,054	-3,645	-3,741	-3,500	-2,294	-2,671	-4,364	-7,476	-4,989	-4,693
40% Exceedance	-3,953	-5,704	-5,290	-3,983	-3,974	-3,525	-2,530	-2,857	-4,400	-8,500	-6,901	-4,889
50% Exceedance	-4,882	-7,565	-5,290	-4,262	-4,030	-3,596	-2,648	-3,095	-4,419	-9,300	-9,263	-5,481
60% Exceedance	-5,175	-8,337	-5,290	-4,343	-4,175	-3,844	-2,992	-3,262	-4,475	-9,705	-9,811	-6,495
70% Exceedance	-5,741	-8,685	-5,290	-4,516	-4,250	-3,905	-3,576	-3,552	-4,490	-10,632	-10,538	-7,428
80% Exceedance	-6,134	-9,040	-5,481	-4,538	-4,464	-4,025	-3,942	-3,817	-4,491	-11,081	-10,819	-8,512
90% Exceedance	-7,150	-9,359	-7,520	-4,775	-4,489	-4,325	-4,049	-4,020	-4,505	-11,237	-11,224	-9,761
Full Simulation Period Average[a]	-4,574	-6,212	-4,899	-3,577	-3,222	-3,066	-2,604	-2,801	-3,923	-8,193	-7,516	-6,127
Wet Water Years (28%)	-6,122	-8,357	-5,652	-2,634	-1,999	-2,068	-2,777	-2,766	-4,081	-9,607	-10,076	-7,803
Above Normal Water Years (14%)	-4,790	-8,389	-5,968	-4,235	-3,813	-3,319	-3,505	-3,580	-4,380	-10,363	-10,658	-6,353
Below Normal Water Years (18%)	-4,937	-6,227	-4,887	-4,147	-3,896	-3,642	-2,970	-3,065	-4,417	-10,020	-9,357	-7,049
Dry Water Years (24%)	-3,617	-4,824	-3,766	-3,989	-3,614	-3,813	-2,503	-2,736	-4,295	-7,689	-4,830	-5,426
Critical Water Years (16%)	-2,565	-2,237	-4,250	-3,392	-3,501	-2,822	-1,252	-1,983	-2,136	-2,520	-2,243	-3,010

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-5c. Old and Middle River Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	90	-76	-478	364	-165	49	-129	-306	132	-61	339	-103
20% Exceedance	-170	-215	-152	127	440	-211	-1,012	-593	112	558	673	-112
30% Exceedance	136	382	-372	0	320	0	-846	-895	-9	-62	5	-163
40% Exceedance	284	-174	0	533	170	-25	-762	-948	280	148	-194	96
50% Exceedance	-13	110	0	254	130	-96	-652	-1,071	476	165	-244	58
60% Exceedance	137	-125	0	173	141	-344	-846	-1,058	525	324	-105	-159
70% Exceedance	35	-106	0	0	165	-250	-1,238	-1,189	510	-330	-253	-174
80% Exceedance	68	-35	648	314	0	45	-1,508	-1,295	509	-288	-256	107
90% Exceedance	-56	-1	-46	225	-7	-255	-630	-1,412	495	-127	-288	-668
Full Simulation Period Average[a]	64	-35	-24	209	45	-178	-806	-977	299	48	-51	-153
Wet Water Years (28%)	6	43	-83	84	-294	-807	-916	-1,671	78	101	40	-161
Above Normal Water Years (14%)	145	10	-5	67	-284	-150	-1,854	-1,231	397	-340	-272	-499
Below Normal Water Years (18%)	215	-103	13	164	204	17	-910	-951	442	-173	-314	-291
Dry Water Years (24%)	27	36	-61	453	417	121	-408	-531	501	313	-11	64
Critical Water Years (16%)	-26	-255	80	238	191	231	-173	-235	136	148	220	-7

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-6a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-6b. Old and Middle River Flow, Alternative 3, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,843	-1,192	476	-5	3,098	3,994	4,222	3,713	-1,002	-1,532	-1,903	-2,339
20% Exceedance	-2,145	-1,666	-24	-481	16	1,211	1,425	1,705	-1,226	-1,801	-2,574	-3,367
30% Exceedance	-2,432	-2,094	-493	-960	-538	96	366	762	-1,311	-1,932	-2,912	-3,901
40% Exceedance	-2,791	-2,499	-1,247	-1,790	-1,389	-442	153	230	-1,454	-2,133	-3,277	-4,104
50% Exceedance	-3,573	-3,641	-1,945	-2,711	-2,397	-839	9	-294	-1,629	-2,567	-3,601	-4,370
60% Exceedance	-4,174	-4,368	-2,316	-3,645	-3,670	-2,076	-108	-420	-1,810	-3,560	-3,767	-4,624
70% Exceedance	-4,540	-5,321	-3,063	-5,000	-5,000	-4,496	-251	-635	-2,129	-3,820	-3,978	-5,183
80% Exceedance	-5,597	-6,996	-4,216	-5,000	-5,000	-5,000	-277	-764	-2,725	-4,165	-4,193	-5,654
90% Exceedance	-6,374	-8,524	-5,290	-5,000	-5,000	-5,000	-340	-843	-3,411	-4,464	-4,636	-6,352
Full Simulation Period Average[a]	-3,904	-4,068	-1,945	-2,120	-1,561	-840	919	913	-1,911	-3,068	-3,461	-4,544
Wet Water Years (28%)	-4,399	-4,239	-2,560	-1,377	1,356	2,805	3,249	3,903	-2,420	-3,101	-3,445	-4,853
Above Normal Water Years (14%)	-3,478	-3,267	-2,064	-2,816	-2,828	-1,562	714	643	-2,008	-2,487	-3,286	-3,927
Below Normal Water Years (18%)	-4,436	-6,066	-1,812	-2,512	-2,268	-2,315	-109	-160	-1,938	-2,959	-3,772	-5,518
Dry Water Years (24%)	-4,110	-4,374	-2,131	-1,923	-2,973	-3,083	-169	-519	-1,419	-3,788	-3,816	-4,912
Critical Water Years (16%)	-2,437	-1,661	-541	-2,664	-2,644	-1,560	-189	-725	-1,642	-2,563	-2,759	-2,897

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-6c. Old and Middle River Flow, Alternative 3 minus No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	82	453	2,338	3,475	3,840	5,674	4,858	4,847	914	595	788	712
20% Exceedance	57	821	3,202	3,165	4,037	4,497	2,318	3,212	2,141	3,823	1,157	830
30% Exceedance	490	2,258	4,190	2,685	3,523	3,596	1,814	2,539	3,045	5,482	2,083	629
40% Exceedance	1,445	3,031	4,043	2,726	2,755	3,058	1,921	2,140	3,227	6,515	3,430	881
50% Exceedance	1,296	4,035	3,345	1,805	1,763	2,661	2,006	1,730	3,265	6,897	5,418	1,169
60% Exceedance	1,138	3,843	2,974	871	647	1,424	2,038	1,784	3,190	6,469	5,939	1,712
70% Exceedance	1,236	3,257	2,227	-484	-585	-841	2,087	1,728	2,871	6,483	6,306	2,070
80% Exceedance	605	2,009	1,913	-148	-536	-930	2,156	1,758	2,275	6,629	6,370	2,964
90% Exceedance	721	835	2,183	0	-517	-930	3,079	1,764	1,589	6,646	6,300	2,742
Full Simulation Period Average[a]	735	2,110	2,929	1,667	1,707	2,048	2,717	2,738	2,312	5,173	4,004	1,429
Wet Water Years (28%)	1,728	4,162	3,009	1,341	3,062	4,065	5,109	4,998	1,738	6,606	6,671	2,789
Above Normal Water Years (14%)	1,457	5,132	3,899	1,485	701	1,607	2,364	2,991	2,770	7,536	7,100	1,927
Below Normal Water Years (18%)	716	58	3,087	1,800	1,831	1,343	1,951	1,954	2,921	6,888	5,271	1,240
Dry Water Years (24%)	-467	485	1,573	2,520	1,058	850	1,926	1,686	3,377	4,215	1,003	578
Critical Water Years (16%)	102	321	3,790	965	1,048	1,493	890	1,023	630	105	-296	105

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-7a. Old and Middle River Flow, No Action Alternative, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,925	-1,645	-1,861	-3,479	-742	-1,679	-636	-1,134	-1,916	-2,127	-2,691	-3,050
20% Exceedance	-2,202	-2,488	-3,226	-3,645	-4,021	-3,286	-892	-1,507	-3,368	-5,624	-3,731	-4,197
30% Exceedance	-2,922	-4,352	-4,683	-3,645	-4,061	-3,500	-1,448	-1,776	-4,355	-7,414	-4,995	-4,530
40% Exceedance	-4,236	-5,530	-5,290	-4,516	-4,144	-3,500	-1,768	-1,909	-4,680	-8,648	-6,707	-4,986
50% Exceedance	-4,869	-7,675	-5,290	-4,516	-4,160	-3,500	-1,996	-2,024	-4,894	-9,465	-9,019	-5,540
60% Exceedance	-5,312	-8,211	-5,290	-4,516	-4,316	-3,500	-2,146	-2,204	-5,000	-10,029	-9,707	-6,335
70% Exceedance	-5,777	-8,579	-5,290	-4,516	-4,415	-3,655	-2,337	-2,363	-5,000	-10,303	-10,284	-7,253
80% Exceedance	-6,202	-9,005	-6,130	-4,852	-4,464	-4,070	-2,434	-2,522	-5,000	-10,793	-10,563	-8,619
90% Exceedance	-7,095	-9,358	-7,473	-5,000	-4,483	-4,070	-3,419	-2,607	-5,000	-11,109	-10,936	-9,093
Full Simulation Period Average[a]	-4,639	-6,178	-4,875	-3,786	-3,268	-2,888	-1,798	-1,825	-4,222	-8,241	-7,465	-5,974
Wet Water Years (28%)	-6,128	-8,400	-5,569	-2,718	-1,706	-1,261	-1,861	-1,095	-4,159	-9,708	-10,116	-7,642
Above Normal Water Years (14%)	-4,935	-8,399	-5,963	-4,302	-3,528	-3,169	-1,650	-2,348	-4,778	-10,023	-10,386	-5,854
Below Normal Water Years (18%)	-5,152	-6,123	-4,900	-4,312	-4,100	-3,658	-2,060	-2,114	-4,859	-9,847	-9,043	-6,759
Dry Water Years (24%)	-3,644	-4,859	-3,704	-4,442	-4,031	-3,933	-2,095	-2,204	-4,796	-8,003	-4,819	-5,490
Critical Water Years (16%)	-2,539	-1,982	-4,330	-3,630	-3,692	-3,053	-1,079	-1,748	-2,272	-2,668	-2,463	-3,002

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-7b. Old and Middle River Flow, Alternative 4, Monthly Flow (combined flows)(cfs)

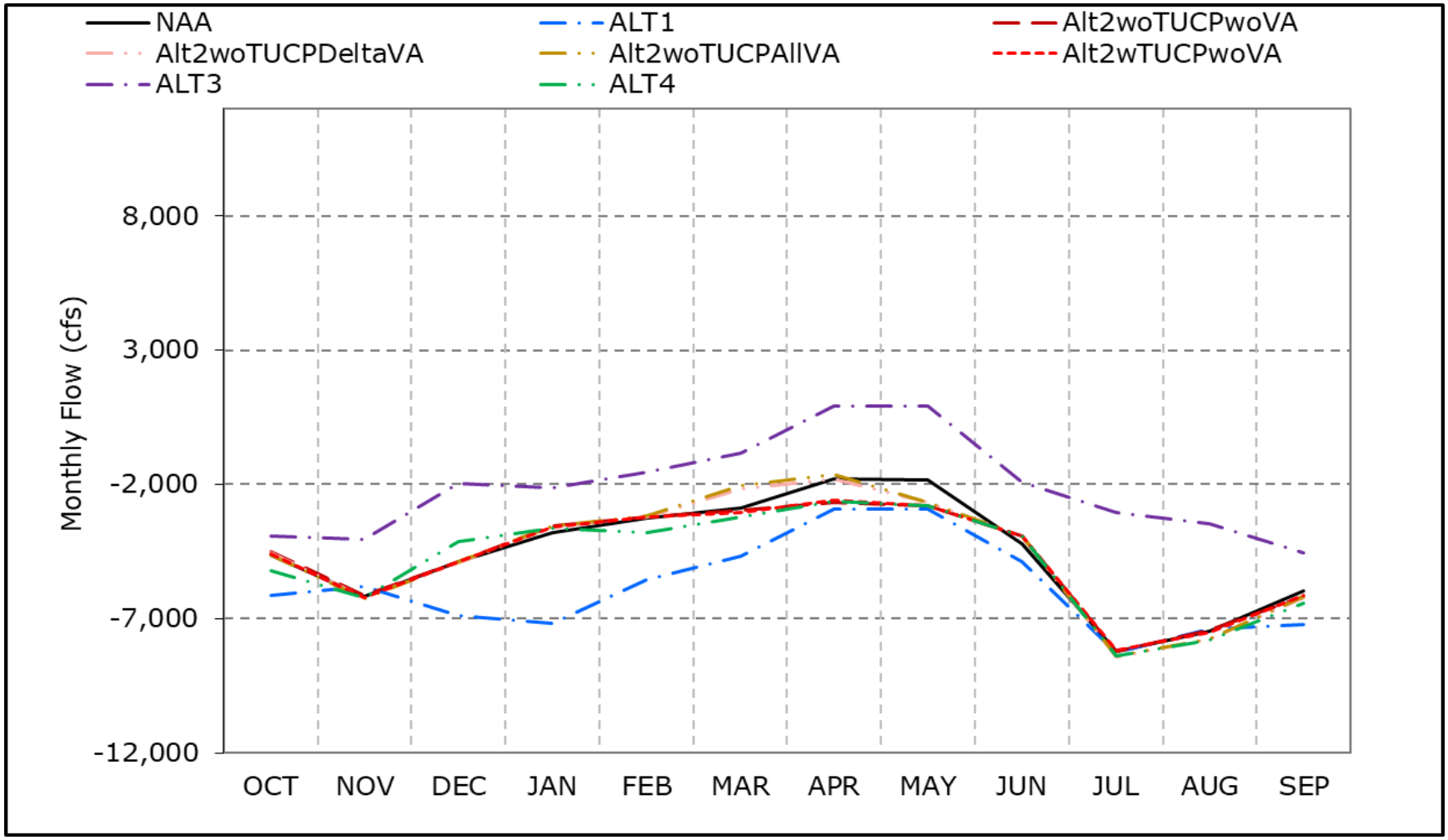
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,876	-1,598	-1,712	-3,579	-1,877	-1,668	-764	-1,483	-1,715	-2,188	-2,360	-3,385
20% Exceedance	-2,412	-2,518	-2,913	-3,645	-4,058	-3,322	-1,915	-2,113	-3,407	-5,144	-3,483	-4,411
30% Exceedance	-3,228	-3,968	-4,218	-3,645	-4,518	-3,500	-2,353	-2,676	-4,369	-7,669	-4,931	-4,817
40% Exceedance	-4,744	-5,864	-4,566	-4,081	-4,555	-3,500	-2,575	-2,863	-4,400	-9,190	-7,360	-5,283
50% Exceedance	-5,266	-7,475	-4,566	-4,081	-4,668	-3,950	-2,677	-3,082	-4,468	-9,712	-9,667	-5,932
60% Exceedance	-6,087	-8,307	-4,566	-4,081	-4,682	-3,950	-3,020	-3,264	-4,475	-10,185	-10,391	-6,413
70% Exceedance	-6,770	-8,762	-4,566	-4,081	-5,000	-4,025	-3,636	-3,576	-4,490	-10,695	-10,831	-7,651
80% Exceedance	-7,507	-9,179	-4,803	-5,000	-5,000	-4,373	-4,032	-3,837	-4,491	-11,158	-11,140	-9,213
90% Exceedance	-8,908	-9,378	-6,097	-5,000	-5,000	-4,550	-4,060	-4,029	-4,505	-11,246	-11,412	-10,407
Full Simulation Period Average[a]	-5,198	-6,231	-4,114	-3,632	-3,786	-3,206	-2,640	-2,803	-3,918	-8,385	-7,796	-6,425
Wet Water Years (28%)	-7,624	-8,358	-4,235	-2,371	-2,203	-2,296	-2,774	-2,704	-4,032	-9,691	-10,572	-8,422
Above Normal Water Years (14%)	-5,782	-8,502	-4,938	-4,022	-4,387	-3,592	-3,545	-3,602	-4,381	-10,469	-11,170	-7,058
Below Normal Water Years (18%)	-5,161	-6,212	-4,487	-4,167	-4,487	-3,654	-3,019	-3,090	-4,438	-10,331	-9,532	-6,988
Dry Water Years (24%)	-3,658	-4,794	-3,359	-4,488	-4,432	-3,877	-2,588	-2,816	-4,304	-8,073	-4,985	-5,514
Critical Water Years (16%)	-2,594	-2,311	-3,826	-3,609	-4,273	-2,946	-1,262	-1,936	-2,150	-2,556	-2,249	-3,108

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-23-7c. Old and Middle River Flow, Alternative 4 minus No Action Alternative, Monthly Flow (combined flows)(cfs)

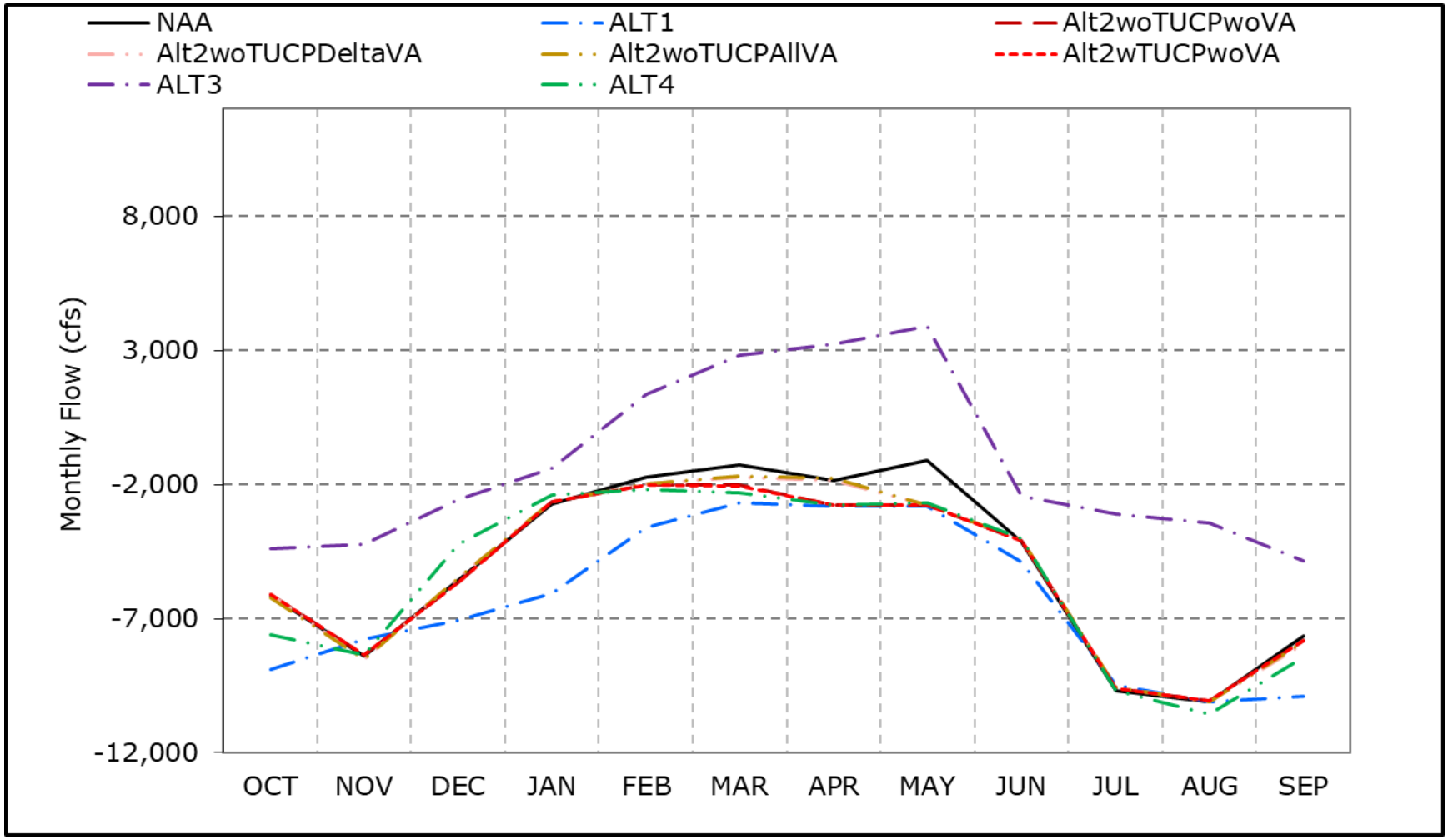
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	49	47	150	-99	-1,135	11	-128	-349	201	-61	331	-334
20% Exceedance	-210	-31	313	0	-38	-36	-1,022	-606	-40	480	248	-214
30% Exceedance	-305	384	464	0	-457	0	-905	-899	-14	-255	64	-287
40% Exceedance	-508	-334	724	435	-411	0	-807	-953	280	-543	-653	-297
50% Exceedance	-396	200	724	435	-508	-450	-681	-1,058	427	-248	-647	-393
60% Exceedance	-775	-96	724	435	-365	-450	-874	-1,061	525	-156	-685	-78
70% Exceedance	-994	-183	724	435	-585	-370	-1,298	-1,213	510	-393	-547	-397
80% Exceedance	-1,305	-173	1,327	-148	-536	-303	-1,598	-1,315	509	-364	-576	-594
90% Exceedance	-1,814	-20	1,376	0	-517	-480	-641	-1,422	495	-137	-476	-1,313
Full Simulation Period Average[a]	-559	-53	760	155	-518	-318	-841	-978	304	-144	-331	-451
Wet Water Years (28%)	-1,496	43	1,334	347	-497	-1,036	-913	-1,609	127	17	-457	-780
Above Normal Water Years (14%)	-847	-103	1,025	280	-859	-423	-1,895	-1,253	397	-446	-784	-1,204
Below Normal Water Years (18%)	-9	-89	413	145	-387	4	-959	-976	421	-484	-489	-230
Dry Water Years (24%)	-14	66	346	-45	-401	56	-493	-611	492	-71	-166	-24
Critical Water Years (16%)	-55	-329	504	21	-581	107	-183	-188	122	112	214	-106

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



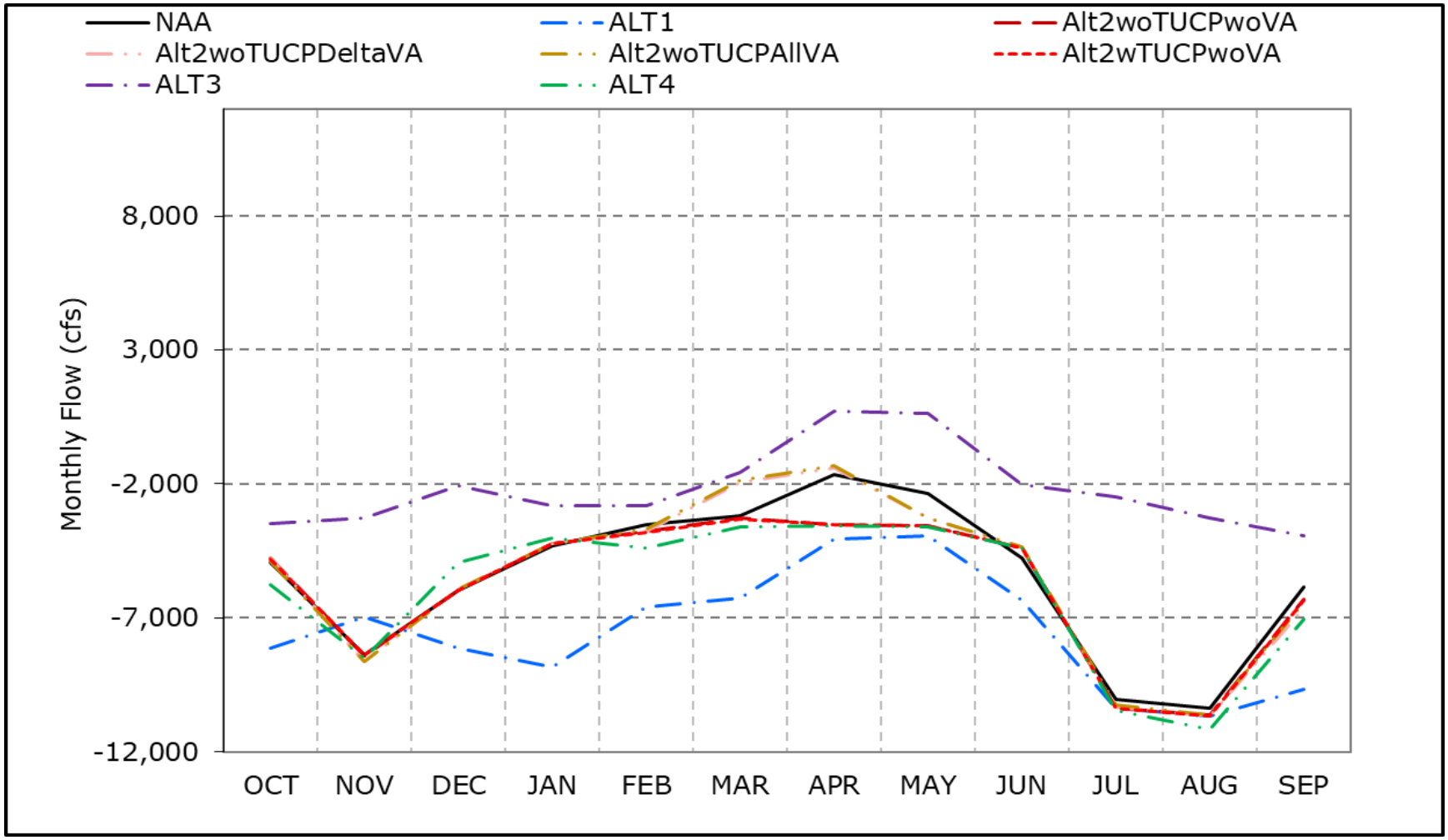
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-1. Old and Middle River Flow, Long-Term Average Flow



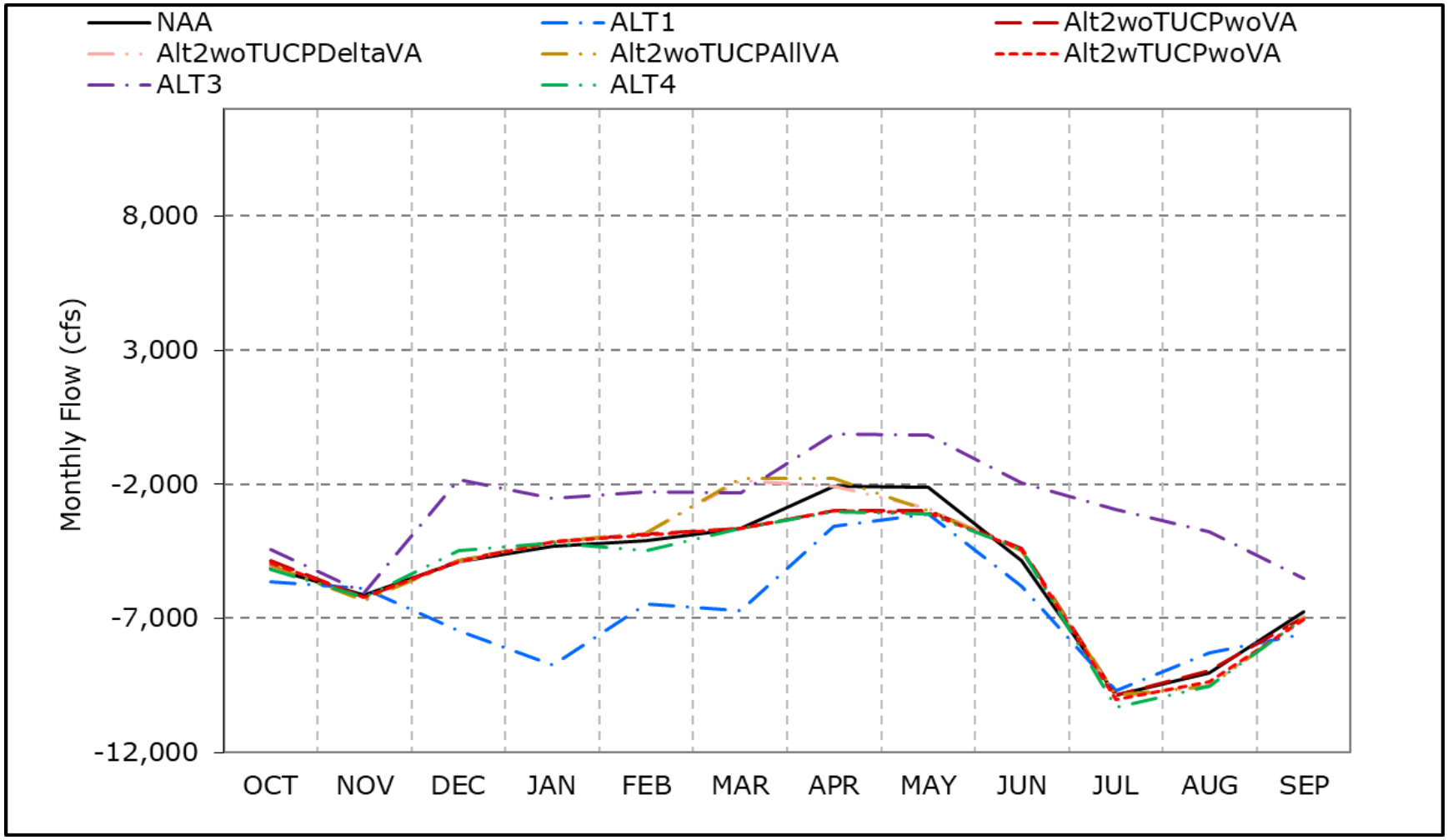
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-2. Old and Middle River Flow, Wet Year Average Flow



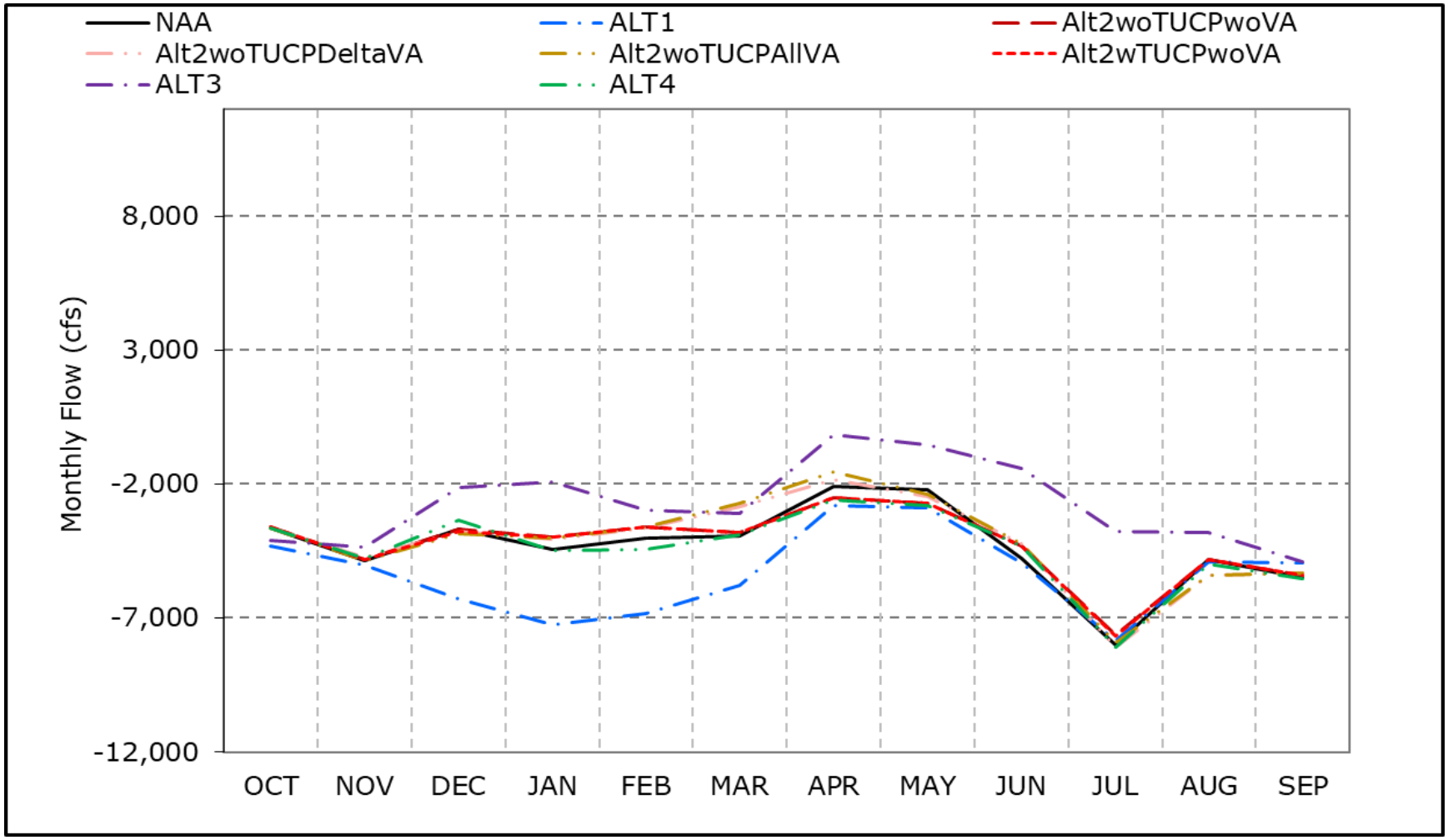
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-3. Old and Middle River Flow, Above Normal Year Average Flow



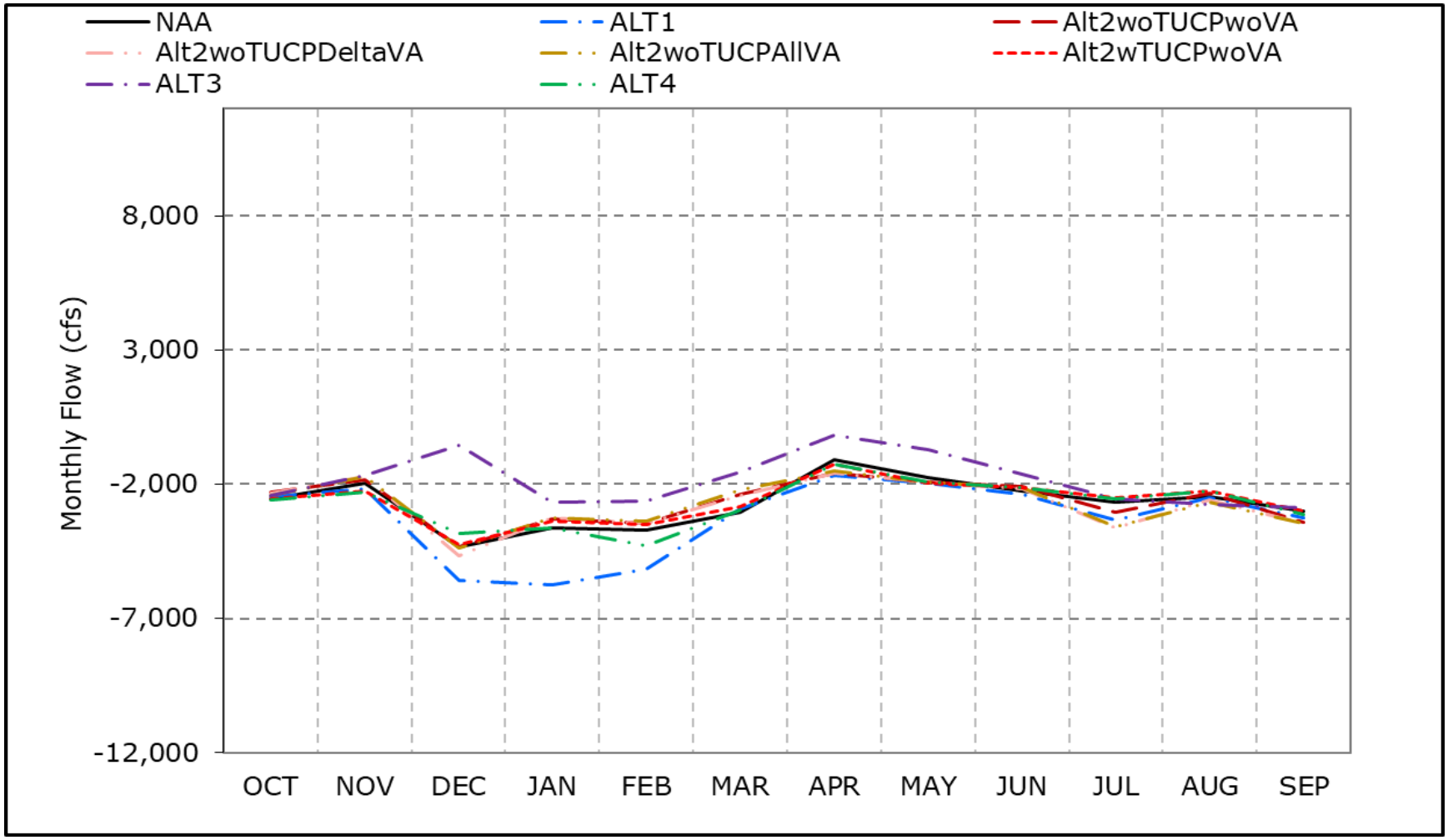
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-4. Old and Middle River Flow, Below Normal Year Average Flow



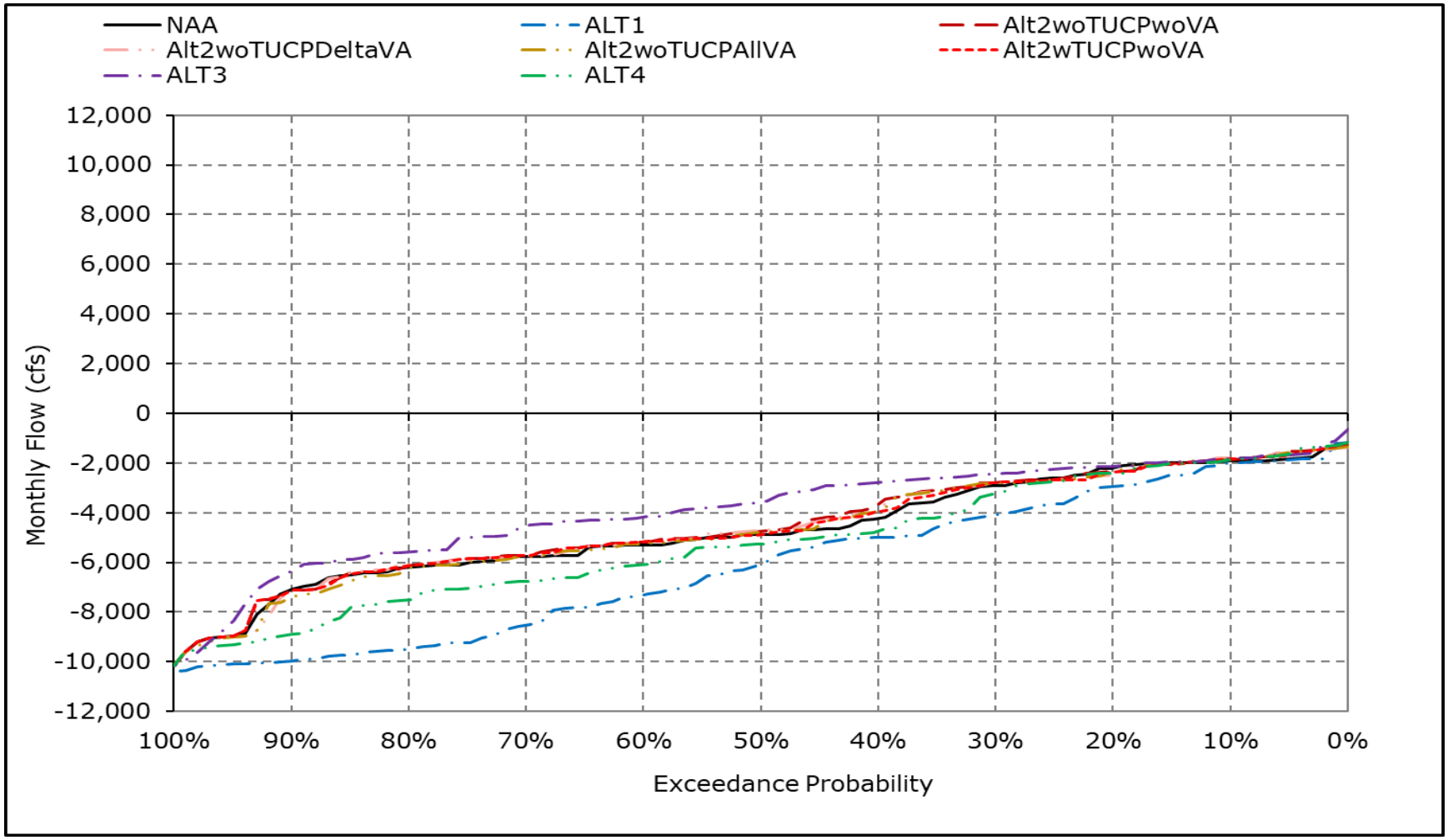
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-5. Old and Middle River Flow, Dry Year Average Flow



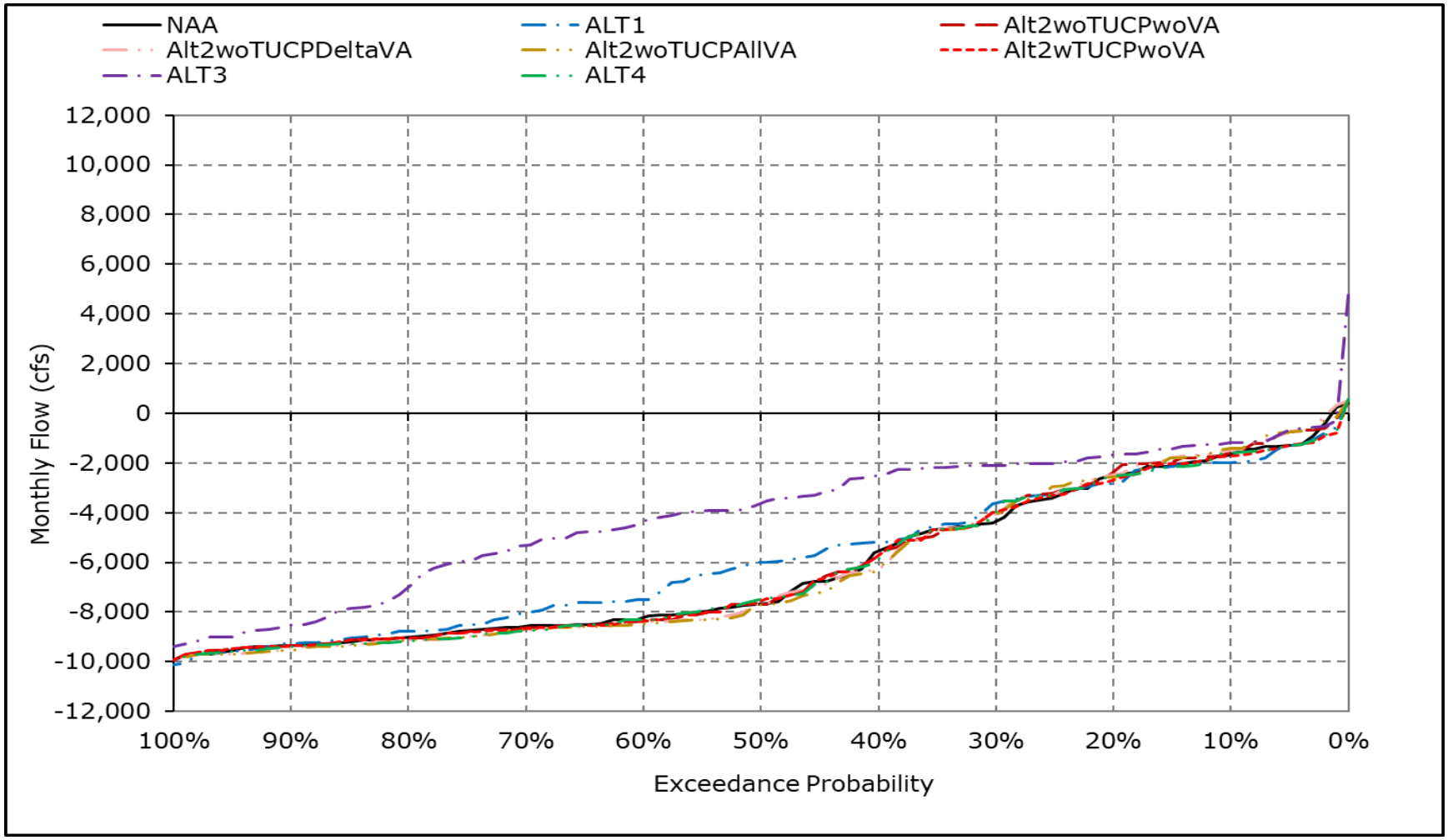
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-6. Old and Middle River Flow, Critical Year Average Flow



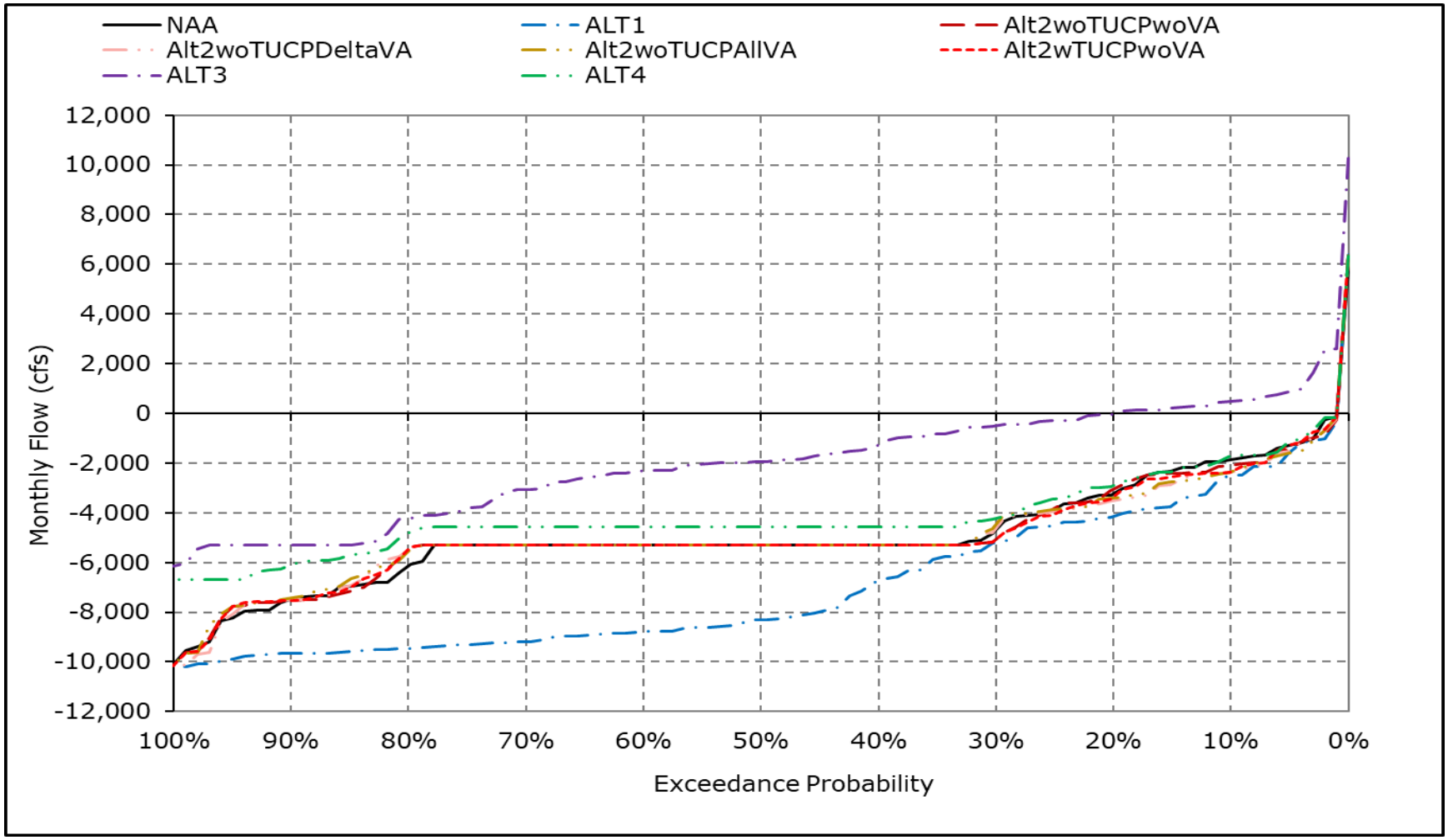
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-7. Old and Middle River Flow, October



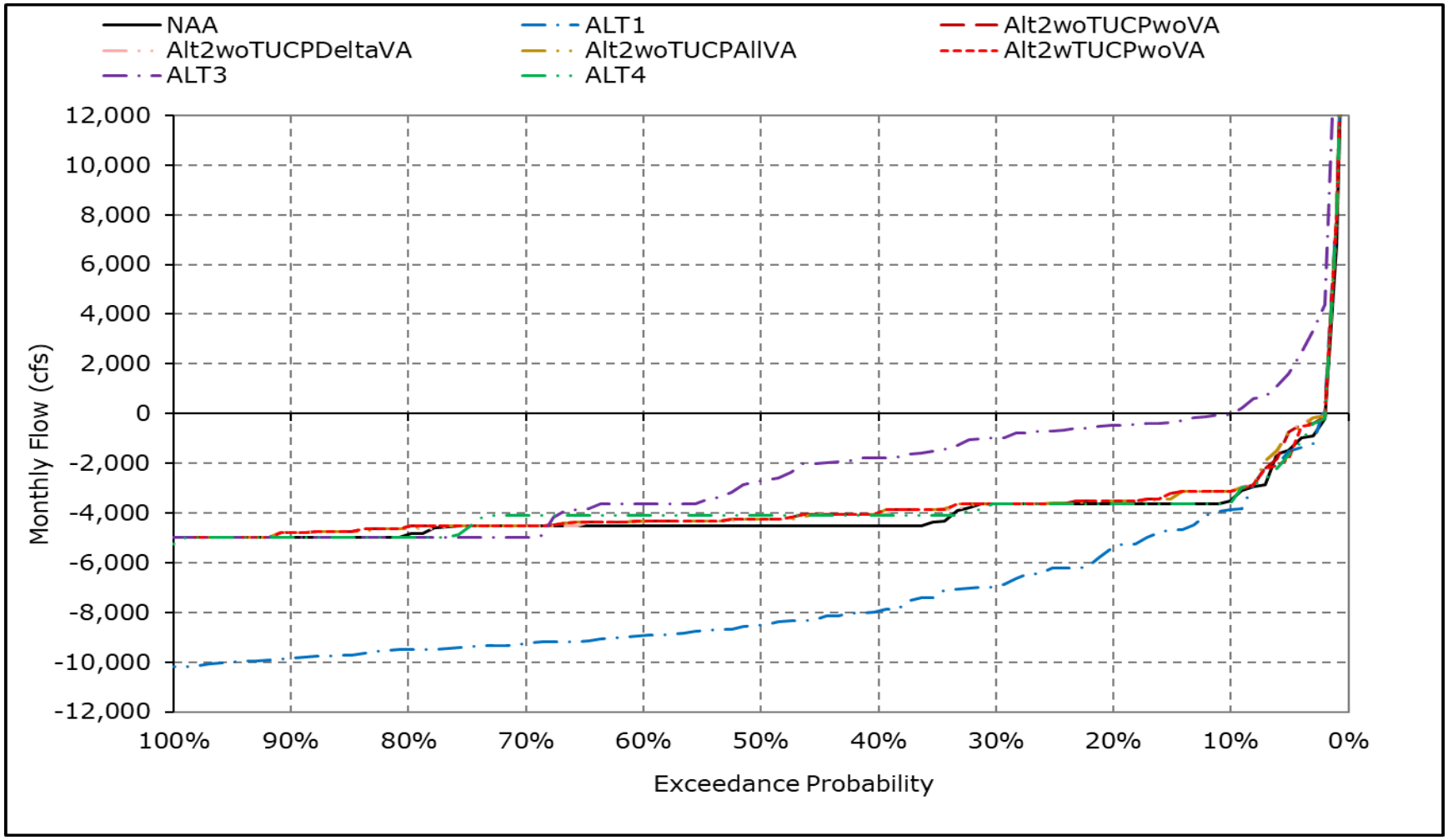
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-8. Old and Middle River Flow, November



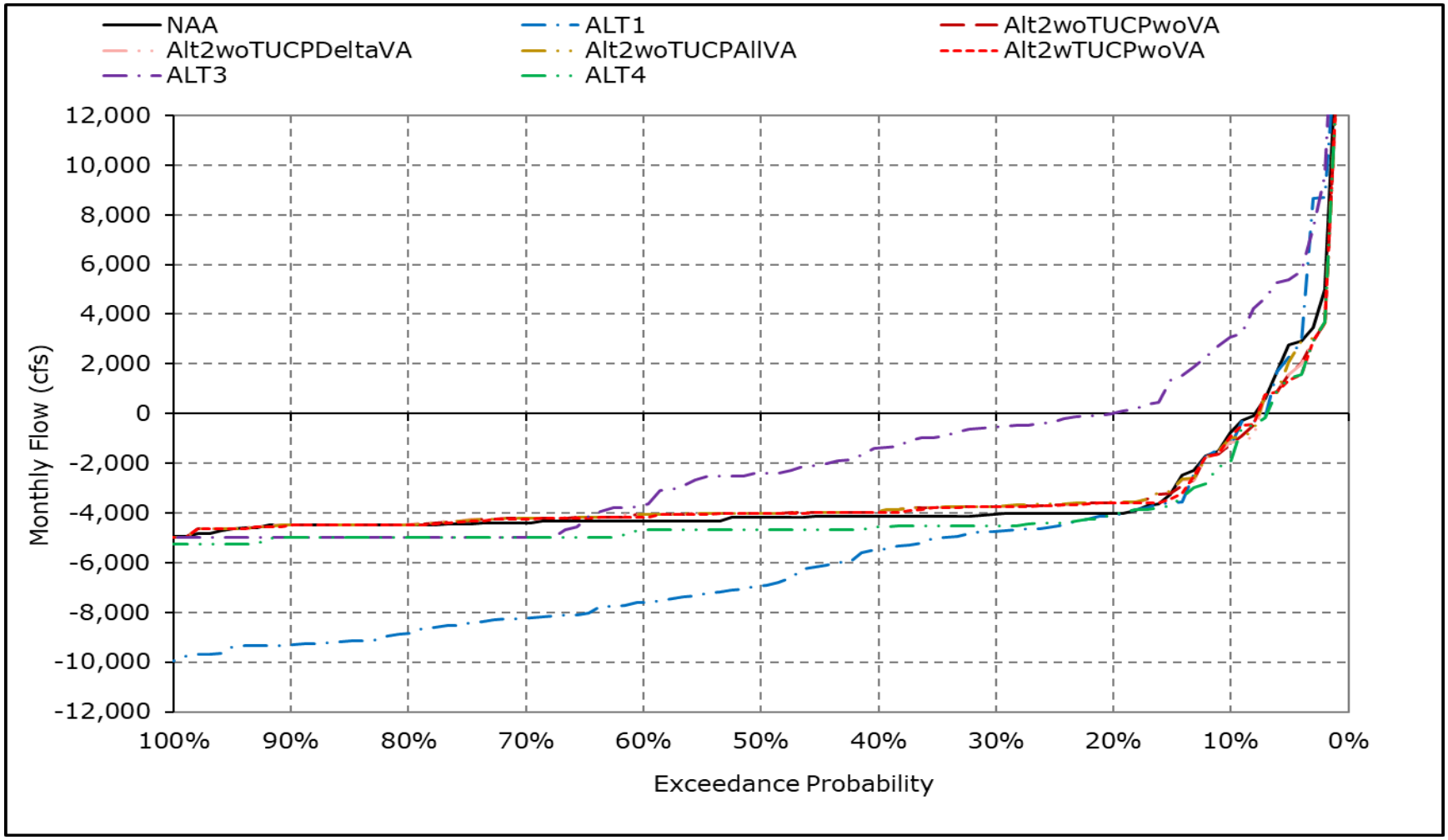
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-9. Old and Middle River Flow, December



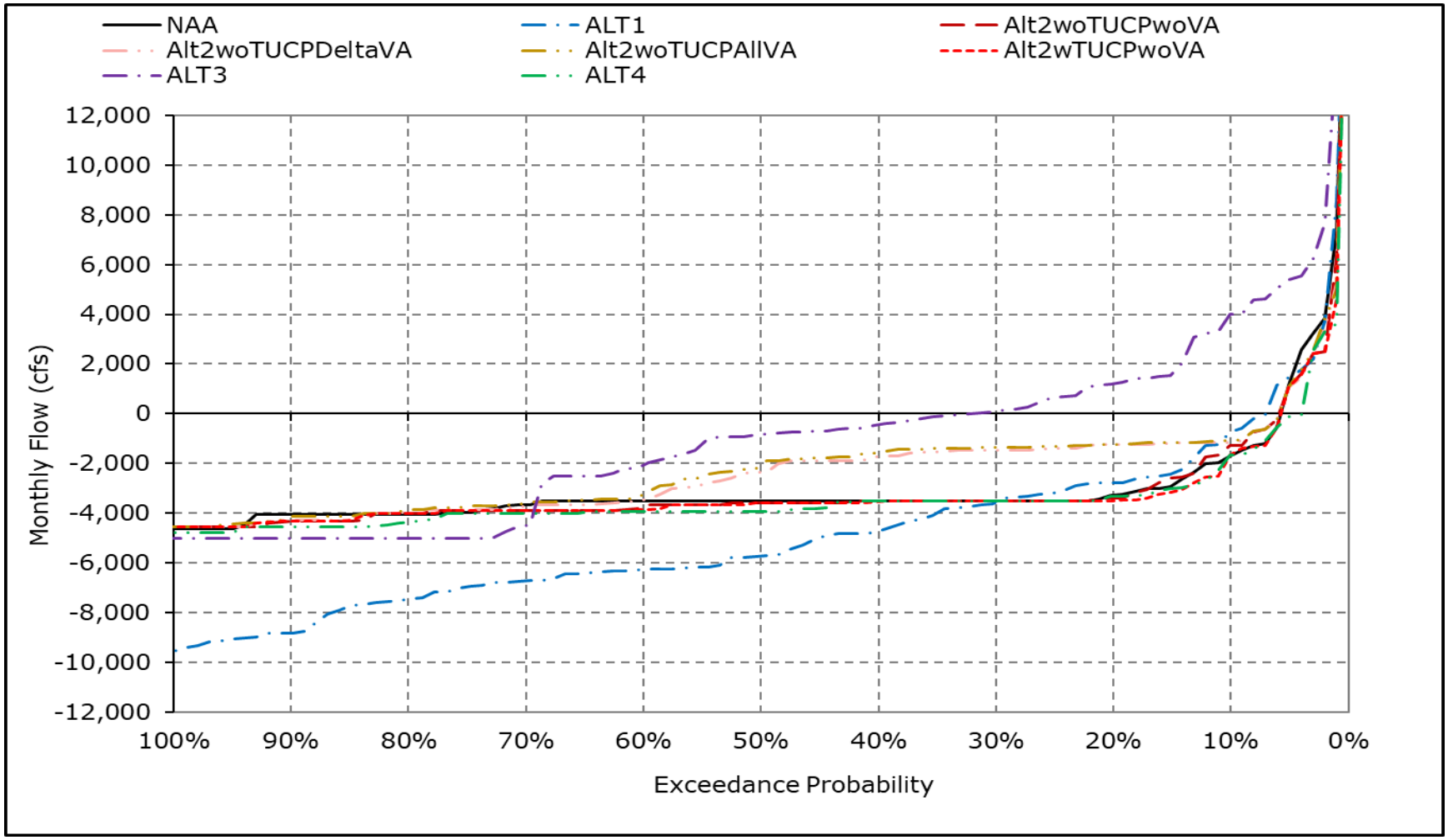
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-10. Old and Middle River Flow, January



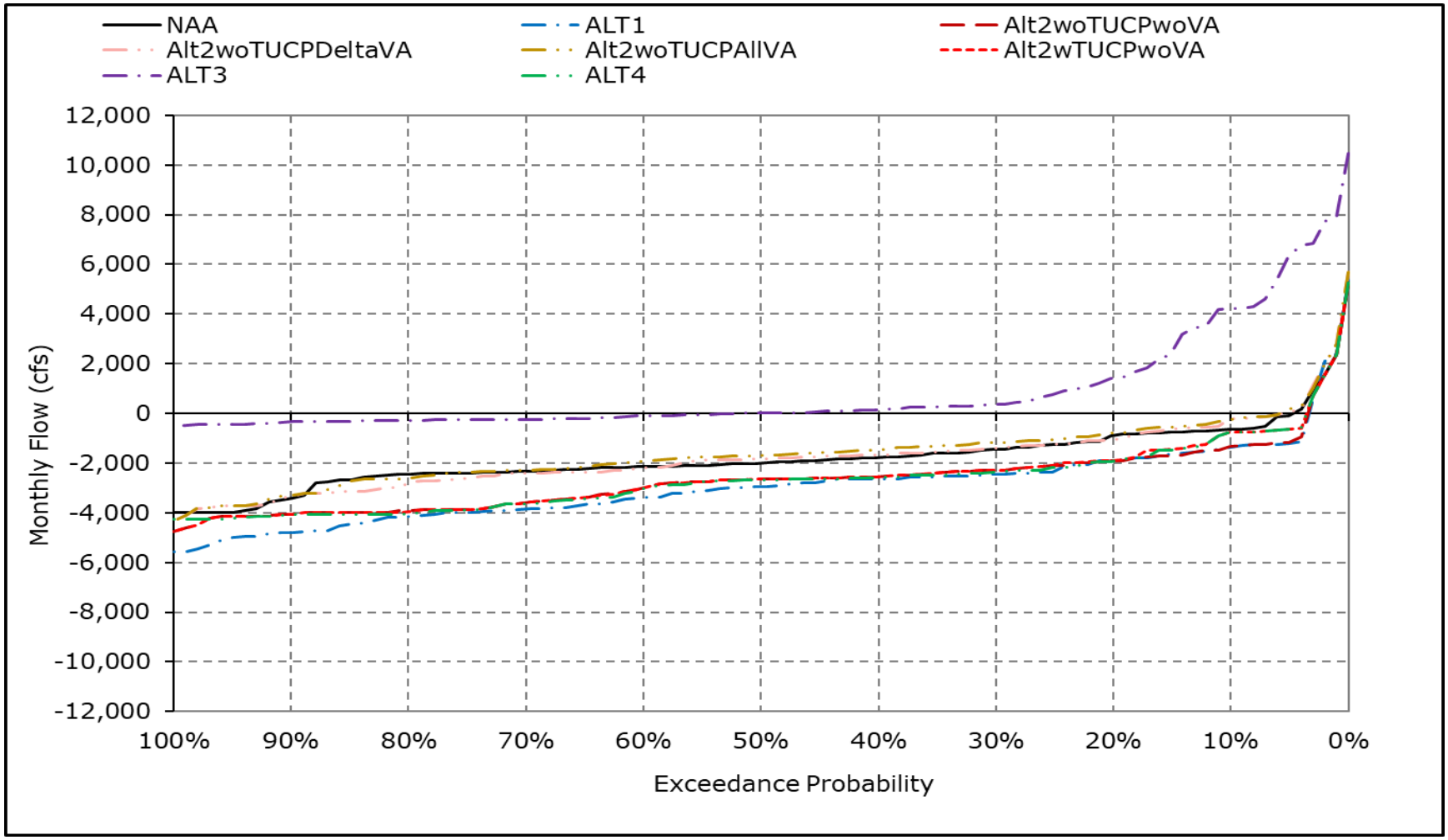
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-11. Old and Middle River Flow, February



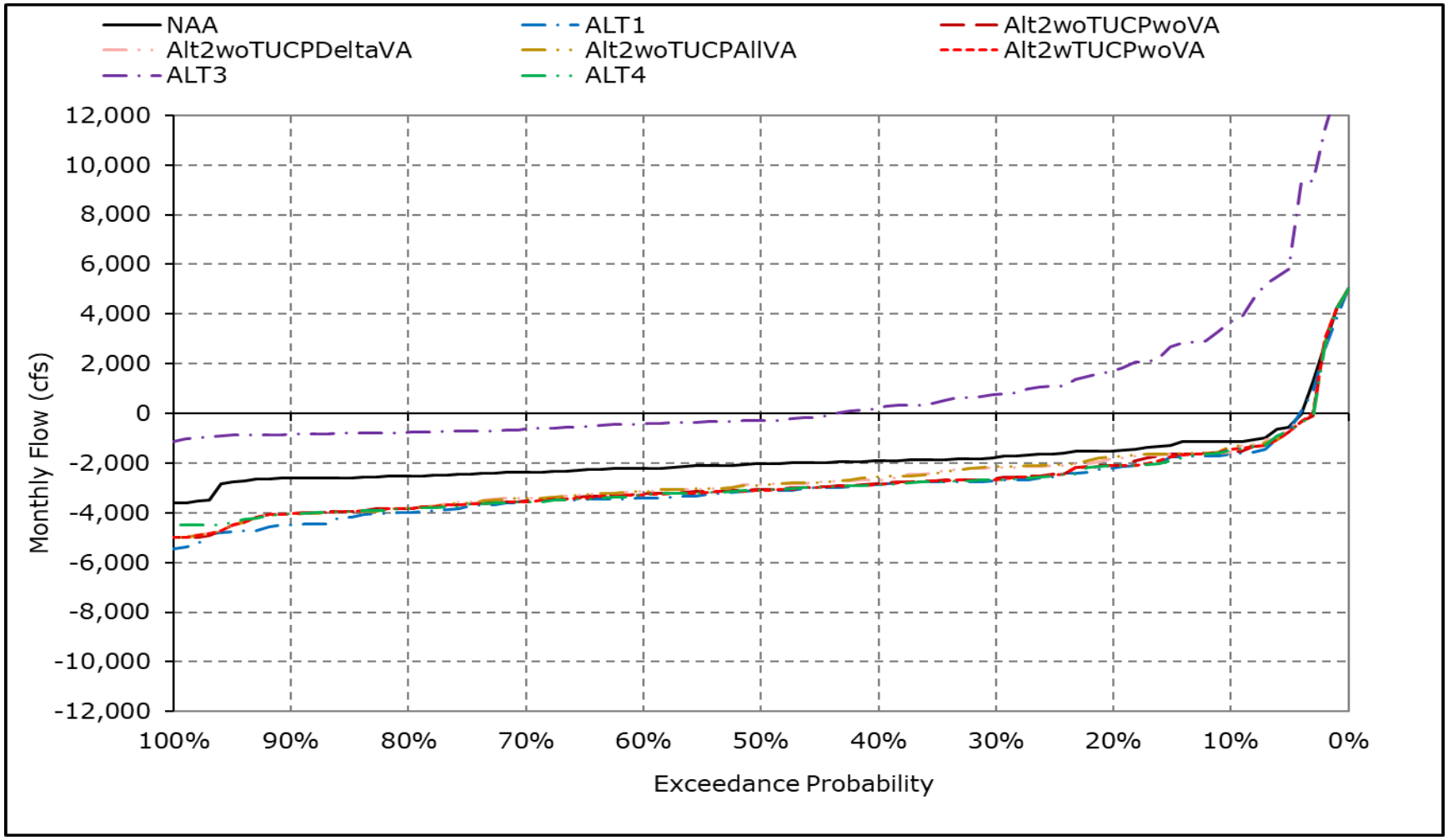
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-12. Old and Middle River Flow, March



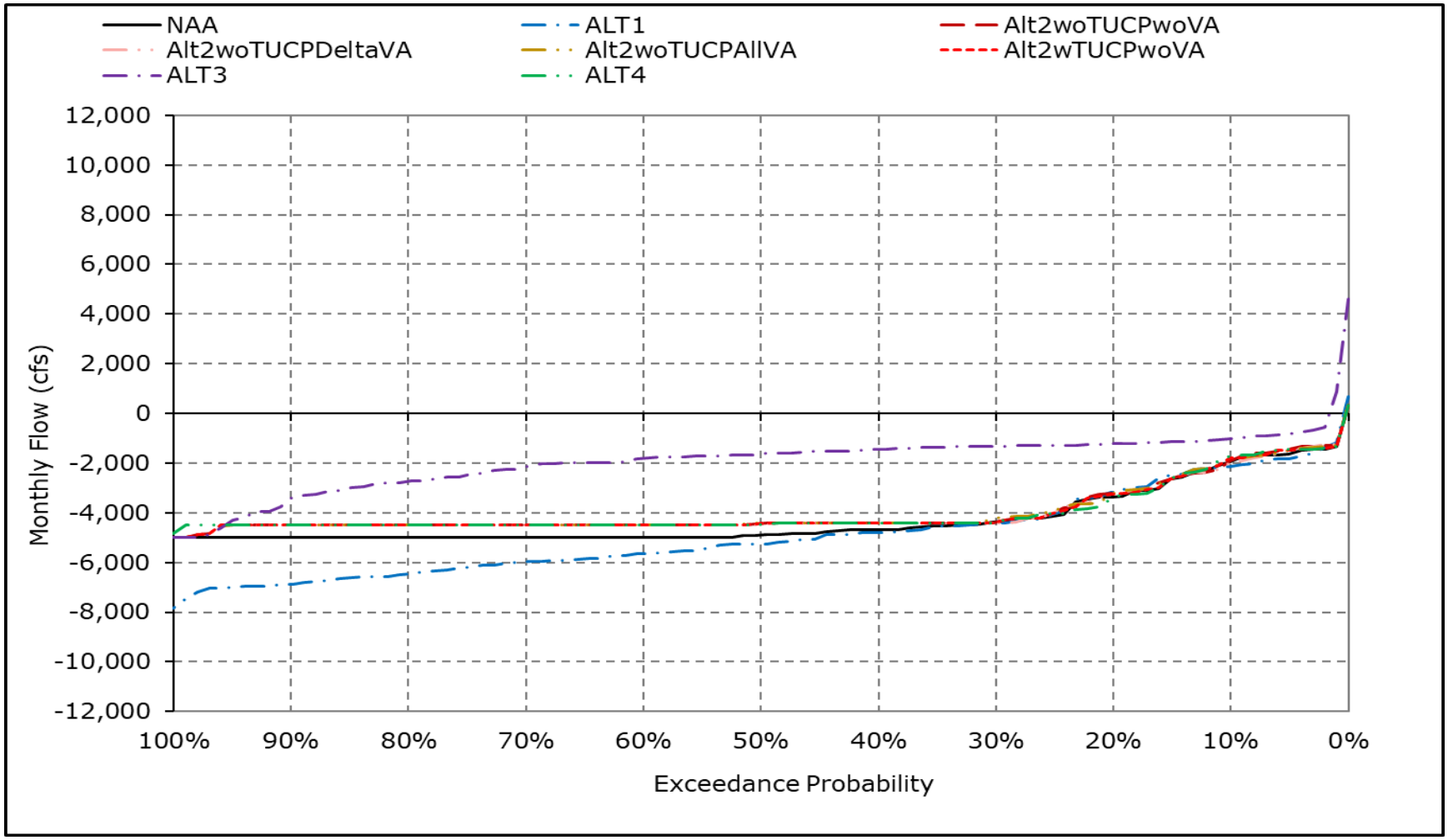
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-13. Old and Middle River Flow, April



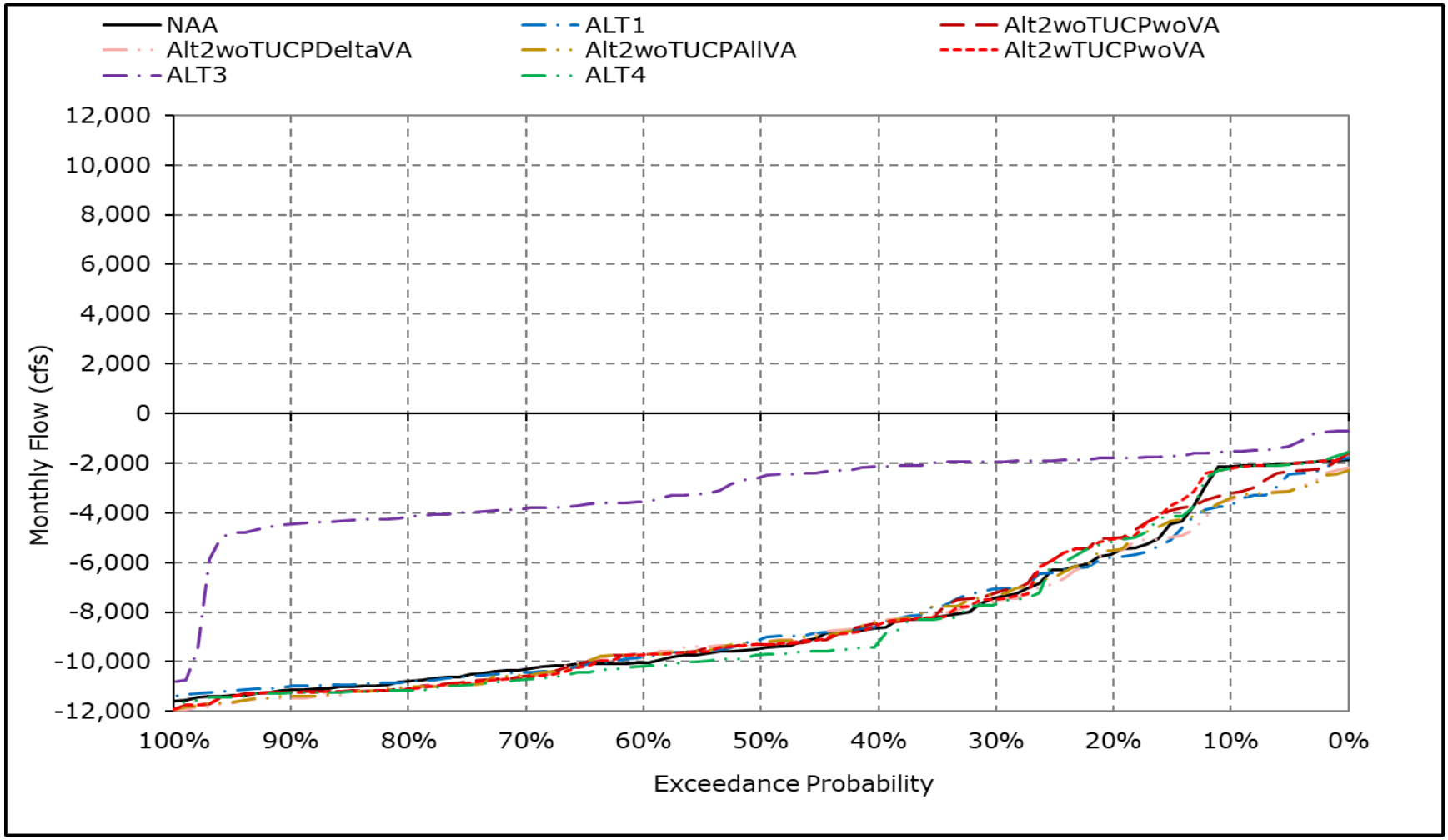
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-14. Old and Middle River Flow, May



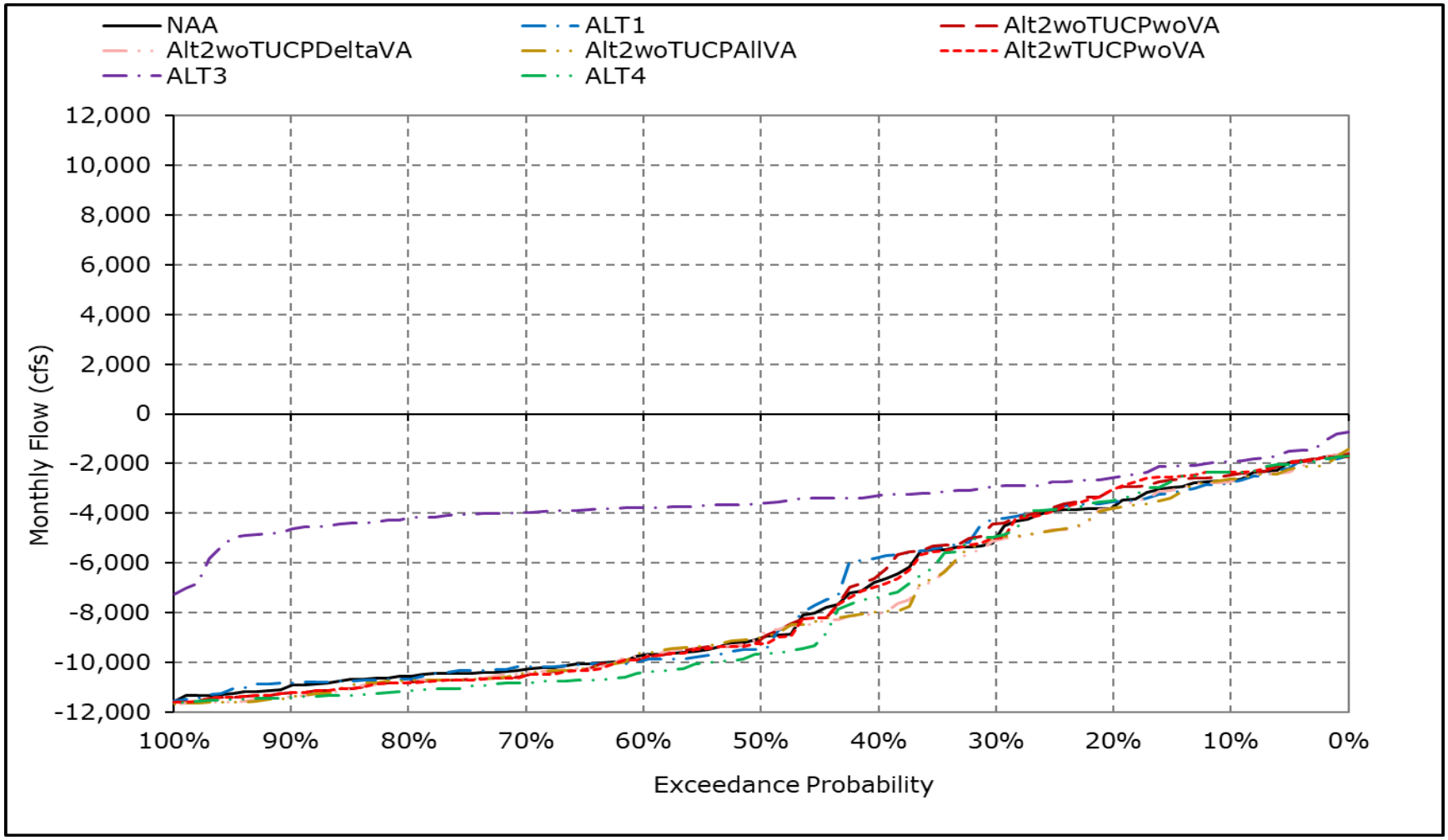
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-15. Old and Middle River Flow, June



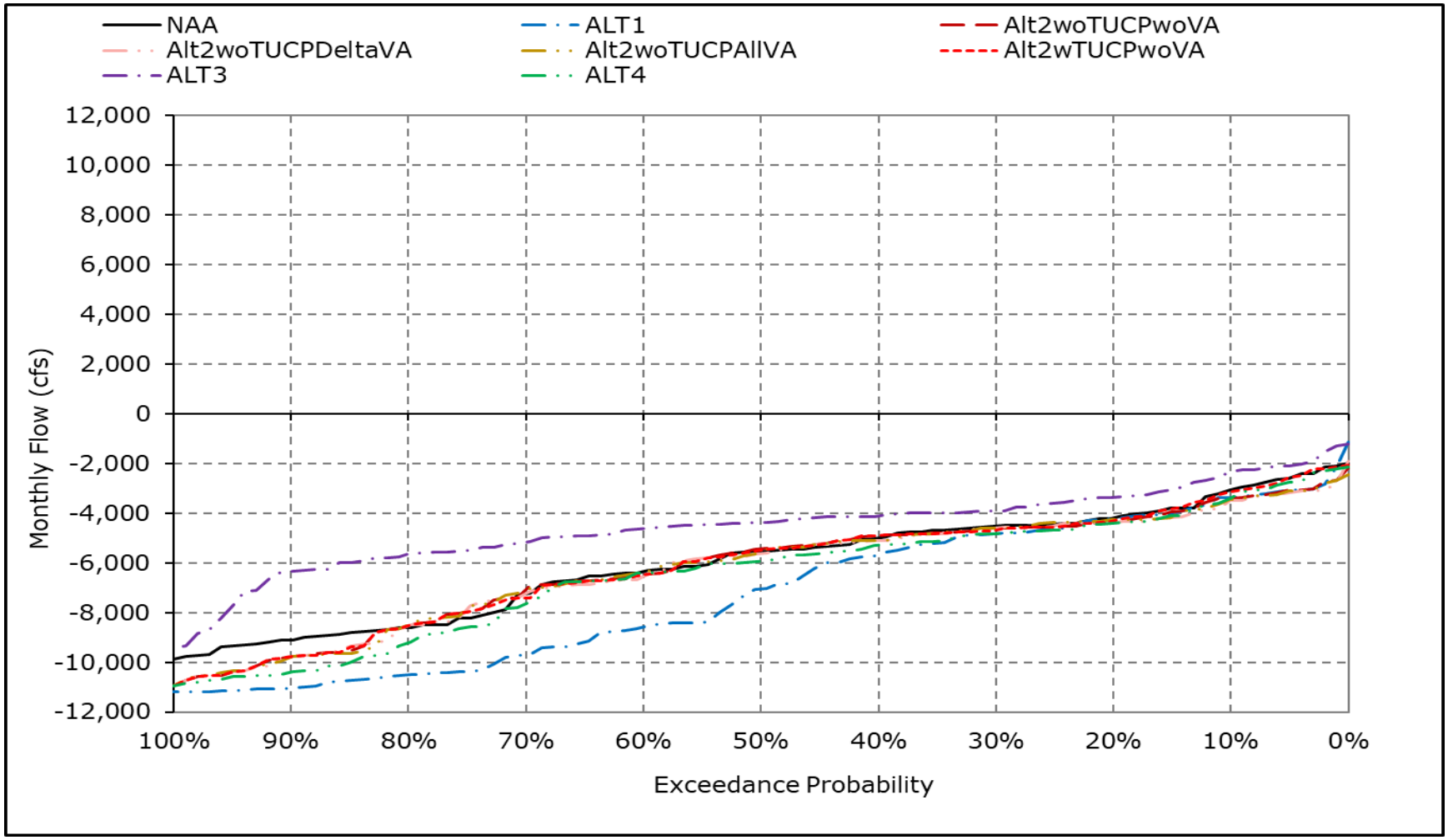
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-16. Old and Middle River Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-17. Old and Middle River Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-18. Old and Middle River Flow, September

Table F.2.2-24-1a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-1b. Delta Outflow, Alternative 1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,015	15,194	70,817	109,509	151,140	103,050	57,284	35,228	12,627	8,969	4,032	5,451
20% Exceedance	4,807	7,528	37,475	71,512	87,455	67,054	40,537	23,464	10,541	8,258	4,000	4,667
30% Exceedance	4,360	6,385	19,661	38,672	60,681	42,327	26,088	16,122	9,825	8,005	4,000	4,399
40% Exceedance	4,081	5,479	12,453	25,849	46,922	32,789	20,377	12,463	9,334	8,000	4,000	3,744
50% Exceedance	4,000	5,165	8,702	19,752	28,501	21,910	14,693	10,909	8,709	6,500	4,000	3,154
60% Exceedance	4,000	4,875	6,632	12,478	19,182	17,936	12,619	9,815	8,091	5,900	3,923	3,000
70% Exceedance	4,000	4,671	6,238	8,451	16,303	15,103	11,023	9,280	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,500	5,407	6,688	11,400	11,491	10,364	8,449	7,100	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,768	6,000	11,097	9,175	9,411	7,100	5,233	4,000	3,000	3,000
Full Simulation Period Average[a]	4,999	8,735	24,741	41,037	56,684	42,853	26,353	16,463	9,723	6,620	3,858	4,081
Wet Water Years (28%)	5,856	12,506	29,742	94,173	120,781	89,223	53,233	29,577	14,302	8,614	4,329	5,628
Above Normal Water Years (14%)	4,900	8,194	21,015	49,669	68,038	54,138	24,952	16,141	10,325	8,524	4,002	4,283
Below Normal Water Years (18%)	4,594	6,333	27,910	21,280	28,660	23,810	17,960	13,920	9,368	6,528	4,213	3,775
Dry Water Years (24%)	5,587	8,830	27,924	10,562	25,327	17,643	13,764	10,258	7,273	5,000	3,516	3,110
Critical Water Years (16%)	3,046	4,967	10,240	8,437	13,141	11,073	8,867	5,965	5,254	4,000	3,018	3,000

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-1c. Delta Outflow, Alternative 1 minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,422	1,206	-2,725	-781	5,884	609	1,094	-3,246	-1,289	-1,887	-2,327	-5,643
20% Exceedance	-3,474	-155	-2,563	-2,971	-6,895	-2,434	-3,661	-2,233	968	-1,631	-1,977	-6,270
30% Exceedance	-3,765	-233	-4,448	-3,234	-2,305	-3,998	-2,899	-1,024	1,213	-1,030	-1,773	-6,226
40% Exceedance	-3,887	-562	-3,812	-5,490	-4,822	-2,424	-2,084	-1,477	1,611	-446	-1,506	-6,569
50% Exceedance	-1,426	-487	-2,715	-5,885	-4,329	-2,373	-2,102	-1,000	1,587	-1,500	-261	-727
60% Exceedance	-570	-455	-1,669	-6,186	-3,541	-2,558	-1,291	-1,021	991	-394	-77	-572
70% Exceedance	-52	-227	-857	-3,160	-2,224	-2,567	-649	-457	0	-141	-243	-394
80% Exceedance	0	0	-772	-2,505	-3,491	-1,373	13	-406	625	0	0	-8
90% Exceedance	0	0	-535	-1,486	-48	788	1,837	1,870	1,251	988	0	0
Full Simulation Period Average[a]	-1,640	-63	-1,608	-3,176	-1,934	-1,994	-767	-1,037	857	-742	-854	-2,617
Wet Water Years (28%)	-3,062	451	-994	-2,724	-1,928	-1,675	-1,354	-1,612	747	-796	-1,680	-5,666
Above Normal Water Years (14%)	-3,764	321	-234	-3,495	-2,966	-4,355	-2,907	-1,312	1,162	-2,159	-2,285	-6,673
Below Normal Water Years (18%)	-772	-413	-2,879	-4,485	-713	-2,614	-1,289	-1,456	1,596	-1,593	69	96
Dry Water Years (24%)	-300	-183	-2,483	-3,009	-2,240	-2,196	-370	-588	82	-232	-310	-103
Critical Water Years (16%)	-49	-791	-1,204	-2,466	-1,954	513	2,122	4	1,113	783	-13	-554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-2a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-2b. Delta Outflow, Alt2woTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,007	73,798	110,344	144,318	100,583	55,781	35,215	14,130	10,259	5,943	11,250
20% Exceedance	8,500	7,662	39,939	75,205	93,376	68,326	41,261	24,176	9,890	9,095	5,766	10,938
30% Exceedance	8,125	6,773	23,965	41,483	63,427	46,515	27,178	16,046	8,997	8,569	5,581	10,793
40% Exceedance	7,813	6,174	16,117	30,890	52,325	34,761	20,865	12,377	8,094	8,007	5,440	10,375
50% Exceedance	5,358	5,767	11,125	25,105	33,350	24,541	15,702	11,024	7,536	7,612	4,000	3,556
60% Exceedance	4,751	5,389	8,436	18,372	22,838	20,633	12,420	9,675	7,100	6,037	4,000	3,218
70% Exceedance	4,001	4,952	7,661	12,483	18,609	17,588	11,189	9,218	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,550	6,248	9,728	15,017	13,497	10,259	8,419	7,077	5,000	3,500	3,000
90% Exceedance	3,246	4,500	5,277	8,049	11,145	9,697	9,369	7,100	5,316	4,000	3,000	3,000
Full Simulation Period Average[a]	6,747	8,903	26,517	44,663	58,759	44,778	26,561	16,461	9,264	7,098	4,564	6,616
Wet Water Years (28%)	8,900	12,107	30,703	97,475	122,623	90,057	53,536	29,413	13,792	9,103	5,838	11,220
Above Normal Water Years (14%)	9,233	7,892	21,145	53,515	70,624	57,677	25,751	16,149	9,636	9,755	5,907	11,212
Below Normal Water Years (18%)	5,491	6,929	31,161	25,748	29,827	26,592	18,045	14,004	8,230	7,444	4,187	3,610
Dry Water Years (24%)	5,811	8,933	30,966	14,251	28,122	19,935	13,712	10,348	7,214	5,015	3,611	3,230
Critical Water Years (16%)	3,251	6,257	11,384	11,397	15,123	11,975	8,916	5,999	5,256	4,000	3,015	3,000

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-2c. Delta Outflow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	19	256	54	-937	-1,857	-409	-3,259	214	-596	-416	156
20% Exceedance	219	-21	-98	721	-973	-1,162	-2,937	-1,520	317	-795	-211	0
30% Exceedance	0	154	-144	-423	441	189	-1,809	-1,100	384	-466	-192	168
40% Exceedance	-156	134	-147	-449	581	-452	-1,595	-1,563	370	-439	-67	63
50% Exceedance	-68	116	-292	-532	521	257	-1,093	-884	414	-388	-261	-325
60% Exceedance	181	59	134	-293	115	139	-1,490	-1,161	0	-257	0	-353
70% Exceedance	-51	53	567	872	81	-82	-483	-519	0	-141	-243	-394
80% Exceedance	0	50	69	535	127	633	-92	-436	603	0	0	-8
90% Exceedance	246	0	-26	563	0	1,310	1,795	1,870	1,334	988	0	0
Full Simulation Period Average[a]	108	106	167	450	142	-70	-560	-1,040	399	-265	-148	-82
Wet Water Years (28%)	-19	52	-33	577	-87	-841	-1,051	-1,775	236	-307	-171	-74
Above Normal Water Years (14%)	569	19	-104	351	-381	-816	-2,108	-1,303	473	-927	-380	256
Below Normal Water Years (18%)	124	183	372	-17	454	169	-1,204	-1,372	458	-677	43	-69
Dry Water Years (24%)	-76	-81	559	680	554	97	-422	-498	23	-218	-215	17
Critical Water Years (16%)	157	499	-60	494	27	1,415	2,171	38	1,115	783	-16	-554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-3a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-3b. Delta Outflow, Alt2woTUCPDeltaVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,061	72,936	110,450	144,693	101,307	59,391	35,185	14,139	10,511	5,914	11,250
20% Exceedance	8,500	7,975	39,684	75,312	93,184	69,859	43,585	24,117	9,657	9,184	5,742	10,938
30% Exceedance	8,125	6,926	23,988	41,525	63,823	47,163	29,000	15,870	8,990	8,572	5,581	10,798
40% Exceedance	7,813	6,316	16,127	30,919	52,180	36,103	22,311	12,384	8,008	8,083	5,440	10,531
50% Exceedance	5,498	5,806	11,208	24,943	33,457	26,698	17,405	10,774	7,612	7,742	4,056	3,655
60% Exceedance	4,888	5,368	8,242	18,368	22,854	22,672	13,759	9,808	7,109	6,069	4,000	3,280
70% Exceedance	4,115	5,069	7,142	12,432	18,548	17,669	11,627	9,008	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,663	6,414	9,572	13,327	14,262	10,613	8,300	6,890	5,000	3,500	3,000
90% Exceedance	3,121	4,500	5,001	7,611	11,119	10,914	9,224	7,092	5,328	4,000	3,000	3,000
Full Simulation Period Average[a]	6,724	8,905	26,357	44,393	58,607	45,653	27,452	16,510	9,220	7,169	4,556	6,627
Wet Water Years (28%)	8,892	12,077	30,639	97,017	122,519	90,360	54,574	29,360	13,759	9,191	5,816	11,225
Above Normal Water Years (14%)	9,231	7,793	21,137	53,494	70,676	58,834	27,937	16,446	9,425	10,011	5,895	11,231
Below Normal Water Years (18%)	5,498	6,889	31,003	25,679	29,718	28,454	18,994	13,860	8,236	7,475	4,225	3,573
Dry Water Years (24%)	5,776	8,921	30,773	13,966	28,131	21,045	14,242	10,549	7,184	5,035	3,583	3,286
Critical Water Years (16%)	3,161	6,487	10,943	11,032	14,416	12,146	8,894	5,998	5,256	4,000	3,010	3,000

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-3c. Delta Outflow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	73	-606	160	-562	-1,133	3,201	-3,288	224	-345	-445	156
20% Exceedance	219	293	-353	828	-1,166	371	-613	-1,580	84	-706	-235	0
30% Exceedance	0	308	-121	-382	837	837	13	-1,276	378	-462	-192	173
40% Exceedance	-156	275	-137	-420	436	890	-150	-1,556	285	-363	-67	219
50% Exceedance	72	155	-208	-695	628	2,414	610	-1,135	490	-258	-205	-225
60% Exceedance	318	38	-60	-297	131	2,178	-151	-1,028	9	-226	0	-291
70% Exceedance	63	171	47	822	20	-1	-46	-729	0	-141	-243	-394
80% Exceedance	0	163	236	379	-1,564	1,397	262	-555	415	0	0	-8
90% Exceedance	121	0	-302	124	-26	2,527	1,650	1,861	1,346	988	0	0
Full Simulation Period Average[a]	85	107	7	180	-11	806	331	-991	354	-194	-156	-71
Wet Water Years (28%)	-26	21	-96	119	-190	-537	-12	-1,828	204	-219	-193	-69
Above Normal Water Years (14%)	567	-79	-111	330	-329	341	77	-1,006	262	-672	-392	276
Below Normal Water Years (18%)	132	143	213	-86	345	2,031	-255	-1,516	464	-646	81	-106
Dry Water Years (24%)	-111	-92	366	395	564	1,206	108	-297	-7	-197	-243	73
Critical Water Years (16%)	67	729	-501	129	-679	1,586	2,149	37	1,115	783	-20	-554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-4a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-4b. Delta Outflow, Alt2woTUCPAllVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,064	73,471	110,572	144,462	100,930	59,556	35,215	13,888	10,724	5,913	11,250
20% Exceedance	8,582	7,662	39,740	75,414	93,285	70,022	44,979	25,222	9,362	9,313	5,722	10,938
30% Exceedance	8,125	7,170	24,071	41,703	63,890	47,214	30,625	16,189	8,641	8,673	5,581	10,781
40% Exceedance	7,813	6,324	16,087	30,921	52,485	36,132	23,470	14,259	7,828	8,240	5,440	10,531
50% Exceedance	5,591	5,748	11,247	25,115	34,425	26,787	19,997	12,032	7,220	7,845	4,011	3,652
60% Exceedance	4,745	5,375	8,097	18,455	22,875	22,971	15,480	10,585	7,105	6,056	4,000	3,295
70% Exceedance	4,061	5,009	7,360	12,387	18,768	18,050	13,717	9,391	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,589	6,551	9,634	15,151	14,478	11,611	8,794	6,695	5,000	3,500	3,000
90% Exceedance	3,253	4,500	5,063	7,936	11,190	11,197	10,058	7,312	5,084	4,000	3,000	3,000
Full Simulation Period Average[a]	6,779	8,952	26,463	44,604	58,807	45,718	28,813	17,191	9,061	7,258	4,559	6,629
Wet Water Years (28%)	8,905	12,046	30,603	97,229	122,585	90,235	54,900	29,499	13,721	9,226	5,835	11,217
Above Normal Water Years (14%)	9,236	7,879	21,229	53,971	70,857	58,443	29,979	17,801	9,137	10,268	5,922	11,175
Below Normal Water Years (18%)	5,703	6,909	30,986	25,719	29,706	28,666	21,691	14,974	7,807	7,728	4,177	3,648
Dry Water Years (24%)	5,816	9,222	31,038	14,022	28,282	21,399	16,010	11,271	7,057	5,026	3,590	3,281
Critical Water Years (16%)	3,185	6,267	11,221	11,432	15,176	12,339	9,357	6,494	5,256	4,000	3,016	3,000

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-4c. Delta Outflow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	76	-71	281	-793	-1,510	3,365	-3,259	-27	-132	-446	156
20% Exceedance	301	-21	-297	930	-1,065	534	780	-474	-210	-576	-255	0
30% Exceedance	0	552	-38	-204	903	889	1,638	-957	28	-362	-192	156
40% Exceedance	-156	283	-177	-419	741	919	1,009	319	105	-206	-67	219
50% Exceedance	165	97	-169	-523	1,596	2,504	3,202	124	98	-155	-250	-228
60% Exceedance	175	45	-205	-209	153	2,476	1,571	-251	5	-238	0	-277
70% Exceedance	9	111	265	776	241	380	2,045	-346	0	-141	-243	-394
80% Exceedance	0	89	373	441	261	1,613	1,260	-61	221	0	0	-8
90% Exceedance	253	0	-240	450	46	2,811	2,484	2,081	1,102	988	0	0
Full Simulation Period Average[a]	140	154	113	391	189	870	1,692	-309	195	-104	-153	-69
Wet Water Years (28%)	-13	-9	-133	332	-124	-663	313	-1,689	166	-184	-174	-77
Above Normal Water Years (14%)	572	6	-20	807	-147	-50	2,120	348	-26	-414	-365	219
Below Normal Water Years (18%)	337	163	196	-45	333	2,243	2,442	-402	36	-392	32	-31
Dry Water Years (24%)	-70	209	631	451	715	1,560	1,876	426	-134	-207	-236	68
Critical Water Years (16%)	91	509	-223	528	81	1,779	2,612	533	1,115	783	-15	-554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-5a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-5b. Delta Outflow, Alt2wTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,013	74,082	110,357	144,242	101,031	55,803	35,234	14,140	10,260	5,977	11,250
20% Exceedance	8,500	7,659	39,878	78,136	93,372	68,327	41,264	24,172	9,889	9,092	5,766	10,938
30% Exceedance	8,125	6,633	24,043	41,485	63,894	46,523	27,197	16,046	8,997	8,559	5,581	10,793
40% Exceedance	7,813	6,072	16,124	31,859	52,331	34,767	20,860	12,493	8,031	8,086	5,440	10,375
50% Exceedance	5,425	5,701	12,106	25,106	33,566	24,528	15,704	11,052	7,371	7,700	4,000	3,857
60% Exceedance	4,752	5,357	8,357	18,457	22,842	20,634	12,429	9,833	7,100	6,036	4,000	3,500
70% Exceedance	4,083	4,946	7,596	12,438	18,609	17,397	11,189	9,255	7,100	5,000	3,500	3,358
80% Exceedance	4,000	4,517	6,262	9,655	15,244	12,837	10,040	8,419	6,922	5,000	3,500	3,012
90% Exceedance	3,000	4,500	5,361	7,507	11,119	8,173	7,785	6,306	4,394	3,021	3,000	3,000
Full Simulation Period Average[a]	6,722	8,860	26,589	44,705	58,810	44,638	26,266	16,454	9,121	6,998	4,570	6,706
Wet Water Years (28%)	8,900	12,106	30,713	97,505	122,658	90,045	53,559	29,429	13,793	9,093	5,841	11,221
Above Normal Water Years (14%)	9,234	7,884	21,155	53,978	70,648	58,389	25,793	16,159	9,639	9,752	5,907	11,212
Below Normal Water Years (18%)	5,459	7,027	31,110	25,931	29,970	26,614	18,136	14,001	8,227	7,562	4,203	3,655
Dry Water Years (24%)	5,825	8,929	30,883	14,246	28,267	19,930	13,715	10,357	7,214	5,015	3,611	3,232
Critical Water Years (16%)	3,096	5,867	12,030	11,002	14,979	10,481	6,887	5,912	4,357	3,260	3,030	3,506

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-5c. Delta Outflow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	25	540	67	-1,013	-1,409	-388	-3,239	225	-596	-382	156
20% Exceedance	219	-24	-159	3,652	-978	-1,162	-2,934	-1,525	317	-798	-211	0
30% Exceedance	0	15	-66	-421	908	197	-1,790	-1,100	384	-476	-192	168
40% Exceedance	-156	31	-140	519	587	-446	-1,601	-1,447	308	-360	-67	63
50% Exceedance	-1	49	689	-532	737	244	-1,092	-857	249	-300	-261	-23
60% Exceedance	181	26	55	-208	119	140	-1,480	-1,004	0	-258	0	-72
70% Exceedance	31	48	502	827	81	-273	-483	-482	0	-141	-243	-37
80% Exceedance	0	17	84	462	353	-28	-311	-436	447	0	0	4
90% Exceedance	0	0	58	21	-26	-214	211	1,076	412	9	0	0
Full Simulation Period Average[a]	82	63	239	492	192	-210	-855	-1,046	255	-365	-142	8
Wet Water Years (28%)	-18	50	-23	607	-51	-852	-1,027	-1,759	238	-317	-169	-73
Above Normal Water Years (14%)	570	12	-94	814	-356	-104	-2,066	-1,294	476	-930	-380	256
Below Normal Water Years (18%)	92	281	321	167	597	191	-1,113	-1,375	455	-559	59	-24
Dry Water Years (24%)	-62	-84	477	675	699	91	-419	-488	23	-218	-215	19
Critical Water Years (16%)	2	110	586	98	-116	-79	142	-49	216	42	0	-48

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-6a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-6b. Delta Outflow, Alternative 3, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,906	15,168	82,431	114,667	151,278	102,445	65,931	49,298	10,301	10,894	7,704	10,016
20% Exceedance	8,750	10,313	53,991	76,615	97,512	73,269	50,190	37,514	8,106	9,980	7,210	9,844
30% Exceedance	8,594	10,203	32,486	43,756	65,882	51,403	36,554	26,513	8,000	8,687	7,140	9,688
40% Exceedance	8,594	10,063	22,423	36,779	55,585	40,374	29,052	20,544	7,975	8,000	7,100	9,688
50% Exceedance	5,000	7,979	18,254	29,002	35,834	29,697	22,011	15,677	7,307	7,100	6,900	5,000
60% Exceedance	5,000	6,570	13,581	20,558	26,641	26,740	16,504	12,429	7,100	6,860	6,900	4,801
70% Exceedance	4,000	5,472	9,945	14,139	22,490	19,891	14,294	10,885	6,896	6,500	6,900	4,000
80% Exceedance	4,000	5,000	7,767	11,845	17,901	16,864	12,601	9,255	6,112	6,500	6,900	4,000
90% Exceedance	3,000	4,983	6,051	10,420	11,612	11,603	10,559	7,100	4,976	5,000	4,000	3,432
Full Simulation Period Average[a]	6,876	10,895	32,217	47,877	62,037	48,577	31,839	22,691	8,483	7,677	6,701	6,742
Wet Water Years (28%)	9,964	16,009	36,075	101,935	127,640	95,638	61,128	42,033	11,884	10,444	7,429	10,543
Above Normal Water Years (14%)	9,072	13,201	28,337	57,520	74,546	62,622	33,552	25,550	7,047	8,533	7,734	10,056
Below Normal Water Years (18%)	5,487	6,839	38,213	28,831	34,211	31,185	24,287	17,600	7,121	7,100	6,900	5,006
Dry Water Years (24%)	5,344	9,636	34,506	17,045	29,859	22,379	17,594	12,608	8,071	6,500	6,900	4,021
Critical Water Years (16%)	3,033	5,923	18,038	12,510	15,857	12,792	8,947	7,192	5,938	4,500	4,000	3,224

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-6c. Delta Outflow, Alternative 3 minus No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	469	1,180	8,889	4,377	6,023	5	9,741	10,824	-3,614	38	1,345	-1,078
20% Exceedance	469	2,630	13,954	2,132	3,162	3,781	5,991	11,817	-1,467	91	1,233	-1,094
30% Exceedance	469	3,585	8,377	1,850	2,896	5,078	7,567	9,367	-613	-348	1,366	-938
40% Exceedance	625	4,022	6,158	5,440	3,841	5,161	6,591	6,604	252	-446	1,594	-625
50% Exceedance	-426	2,327	6,837	3,365	3,005	5,413	5,215	3,768	185	-900	2,639	1,120
60% Exceedance	430	1,240	5,279	1,893	3,918	6,246	2,594	1,593	0	566	2,900	1,230
70% Exceedance	-52	574	2,850	2,528	3,962	2,221	2,621	1,148	-204	1,359	3,157	606
80% Exceedance	0	500	1,589	2,652	3,010	3,999	2,250	400	-363	1,500	3,400	992
90% Exceedance	0	483	748	2,933	468	3,216	2,985	1,870	994	1,988	1,000	432
Full Simulation Period Average[a]	236	2,097	5,868	3,663	3,419	3,729	4,718	5,190	-383	315	1,989	44
Wet Water Years (28%)	1,046	3,953	5,340	5,038	4,931	4,740	6,541	10,845	-1,671	1,034	1,419	-751
Above Normal Water Years (14%)	408	5,328	7,088	4,356	3,541	4,129	5,692	8,098	-2,116	-2,149	1,447	-900
Below Normal Water Years (18%)	121	93	7,424	3,067	4,838	4,762	5,039	2,224	-650	-1,021	2,756	1,327
Dry Water Years (24%)	-542	623	4,100	3,474	2,291	2,541	3,460	1,762	880	1,268	3,074	808
Critical Water Years (16%)	-61	166	6,594	1,607	762	2,232	2,202	1,231	1,796	1,283	970	-330

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-7a. Delta Outflow, No Action Alternative, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,988	73,542	110,290	145,255	102,440	56,190	38,474	13,916	10,856	6,359	11,094
20% Exceedance	8,281	7,683	40,037	74,483	94,350	69,488	44,199	25,697	9,572	9,889	5,977	10,938
30% Exceedance	8,125	6,618	24,109	41,906	62,987	46,325	28,987	17,146	8,613	9,035	5,773	10,625
40% Exceedance	7,969	6,041	16,264	31,339	51,744	35,213	22,461	13,940	7,723	8,446	5,506	10,313
50% Exceedance	5,426	5,652	11,417	25,637	32,829	24,283	16,795	11,909	7,122	8,000	4,261	3,880
60% Exceedance	4,570	5,330	8,302	18,665	22,723	20,495	13,910	10,836	7,100	6,294	4,000	3,572
70% Exceedance	4,052	4,898	7,095	11,611	18,528	17,670	11,672	9,737	7,100	5,141	3,743	3,394
80% Exceedance	4,000	4,500	6,178	9,193	14,891	12,865	10,351	8,855	6,475	5,000	3,500	3,008
90% Exceedance	3,000	4,500	5,303	7,486	11,145	8,387	7,574	5,230	3,982	3,012	3,000	3,000
Full Simulation Period Average[a]	6,640	8,798	26,350	44,213	58,618	44,847	27,121	17,500	8,866	7,363	4,712	6,698
Wet Water Years (28%)	8,918	12,055	30,736	96,898	122,709	90,897	54,587	31,188	13,556	9,410	6,009	11,294
Above Normal Water Years (14%)	8,664	7,873	21,249	53,164	71,004	58,493	27,859	17,453	9,163	10,682	6,287	10,956
Below Normal Water Years (18%)	5,366	6,747	30,789	25,764	29,373	26,423	19,249	15,376	7,772	8,121	4,144	3,679
Dry Water Years (24%)	5,887	9,013	30,407	13,571	27,568	19,839	14,134	10,846	7,191	5,232	3,826	3,213
Critical Water Years (16%)	3,094	5,758	11,444	10,903	15,095	10,560	6,745	5,961	4,141	3,217	3,030	3,554

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-7b. Delta Outflow, Alternative 4, Monthly Outflow (cfs)

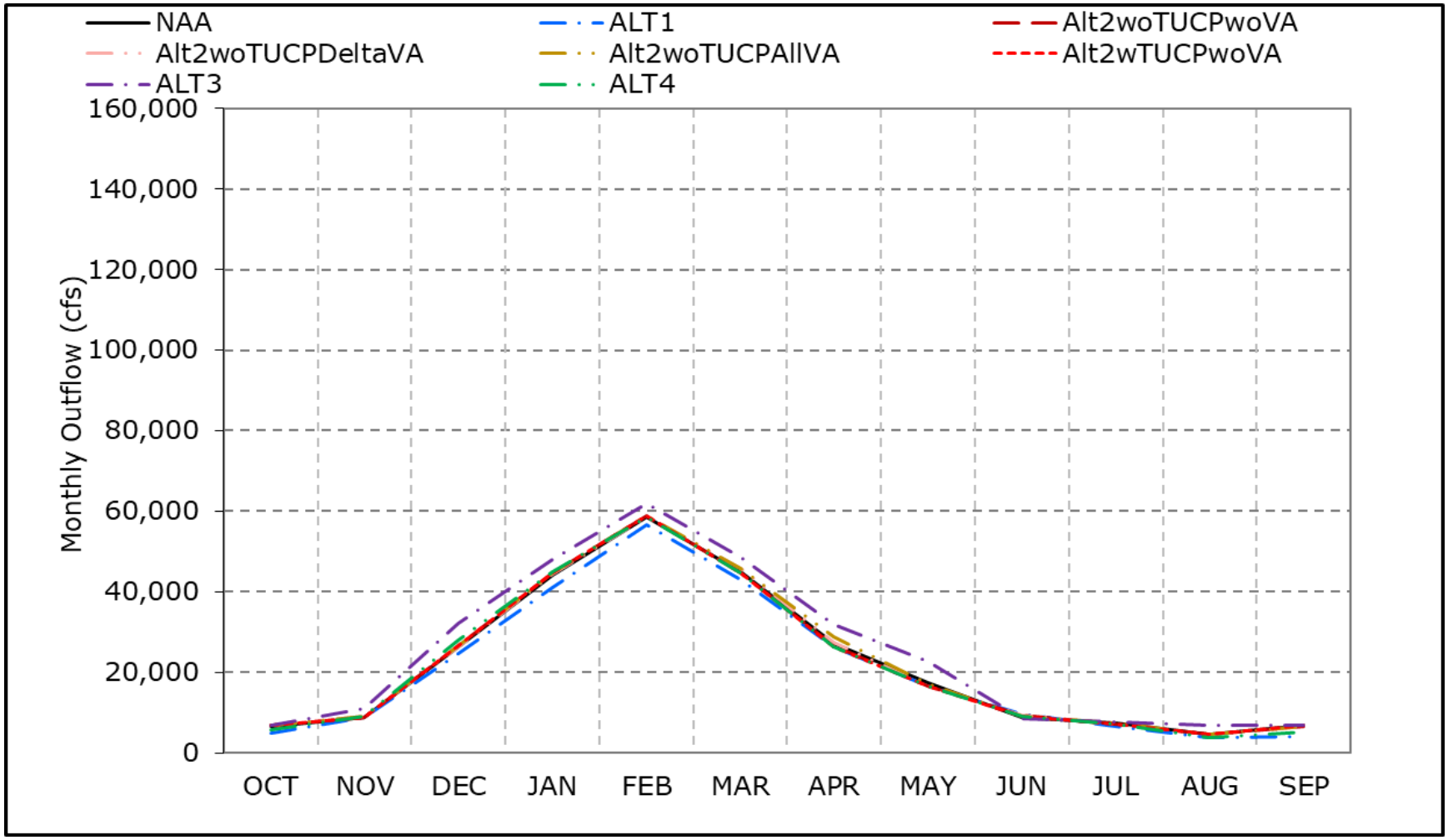
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,578	15,049	74,752	111,711	144,532	102,310	55,804	35,440	14,327	10,219	4,000	7,500
20% Exceedance	6,098	7,736	42,012	75,837	93,876	68,379	41,039	24,171	9,894	9,216	4,000	7,193
30% Exceedance	5,625	6,606	25,010	42,578	62,536	46,226	27,492	16,046	9,040	8,547	4,000	6,883
40% Exceedance	5,424	5,969	17,174	33,224	52,002	35,782	20,826	12,433	8,048	8,217	4,000	6,469
50% Exceedance	5,169	5,677	12,658	24,788	33,056	25,399	15,683	10,888	7,379	7,996	4,000	3,857
60% Exceedance	4,687	5,370	9,500	19,262	21,979	20,521	12,628	9,653	7,100	5,997	3,927	3,500
70% Exceedance	4,000	4,950	8,360	11,883	18,188	17,445	11,298	9,167	7,100	5,000	3,500	3,208
80% Exceedance	4,000	4,654	7,292	8,675	14,045	12,977	10,209	8,247	6,949	5,000	3,500	3,000
90% Exceedance	3,000	4,500	6,259	6,898	11,015	8,170	7,781	6,012	4,336	3,274	3,000	3,000
Full Simulation Period Average[a]	5,728	9,033	27,843	44,837	58,501	44,680	26,369	16,428	9,136	7,052	3,870	5,213
Wet Water Years (28%)	6,694	12,471	33,121	98,366	122,354	89,862	53,592	29,510	13,866	9,090	4,344	7,816
Above Normal Water Years (14%)	6,685	8,164	23,380	53,962	70,408	58,636	25,834	16,119	9,641	9,785	4,029	7,461
Below Normal Water Years (18%)	5,457	6,883	31,370	26,149	30,075	27,116	18,485	13,879	8,241	7,782	4,206	3,615
Dry Water Years (24%)	5,849	9,140	31,553	13,475	27,717	19,912	13,785	10,300	7,219	5,014	3,531	3,235
Critical Water Years (16%)	3,099	5,898	12,288	11,246	14,494	10,309	6,940	5,866	4,300	3,334	3,030	3,458

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.2-24-7c. Delta Outflow, Alternative 4 minus No Action Alternative, Monthly Outflow (cfs)

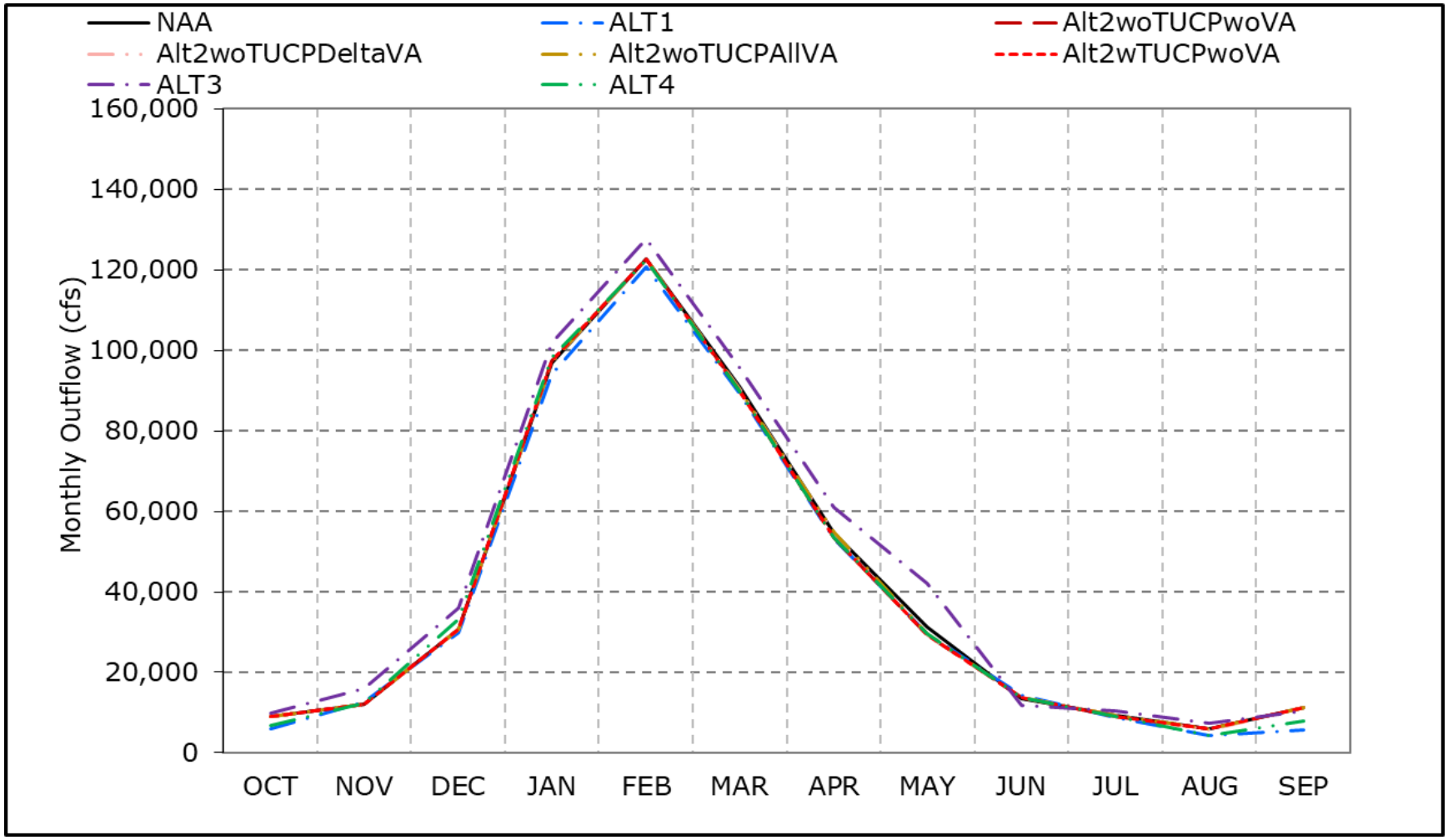
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,859	1,061	1,210	1,420	-723	-130	-386	-3,034	412	-637	-2,359	-3,594
20% Exceedance	-2,183	53	1,975	1,354	-473	-1,109	-3,160	-1,526	322	-673	-1,977	-3,745
30% Exceedance	-2,500	-12	901	672	-451	-99	-1,495	-1,100	427	-487	-1,773	-3,742
40% Exceedance	-2,545	-72	909	1,885	258	569	-1,634	-1,507	325	-229	-1,506	-3,844
50% Exceedance	-257	25	1,241	-849	227	1,116	-1,112	-1,021	257	-4	-261	-23
60% Exceedance	117	40	1,198	597	-743	27	-1,282	-1,183	0	-298	-73	-72
70% Exceedance	-51	52	1,266	272	-339	-225	-374	-570	0	-141	-243	-186
80% Exceedance	0	154	1,114	-518	-845	112	-142	-608	474	0	0	-8
90% Exceedance	0	0	956	-588	-130	-217	207	782	354	261	0	0
Full Simulation Period Average[a]	-912	236	1,494	624	-117	-168	-752	-1,072	270	-310	-842	-1,485
Wet Water Years (28%)	-2,224	416	2,385	1,468	-355	-1,035	-995	-1,678	310	-320	-1,665	-3,478
Above Normal Water Years (14%)	-1,979	291	2,131	799	-596	143	-2,026	-1,334	478	-897	-2,258	-3,495
Below Normal Water Years (18%)	90	136	581	385	702	692	-763	-1,497	470	-339	62	-64
Dry Water Years (24%)	-38	126	1,147	-96	149	73	-349	-545	28	-219	-295	22
Critical Water Years (16%)	4	140	844	343	-601	-251	195	-95	159	116	0	-96

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



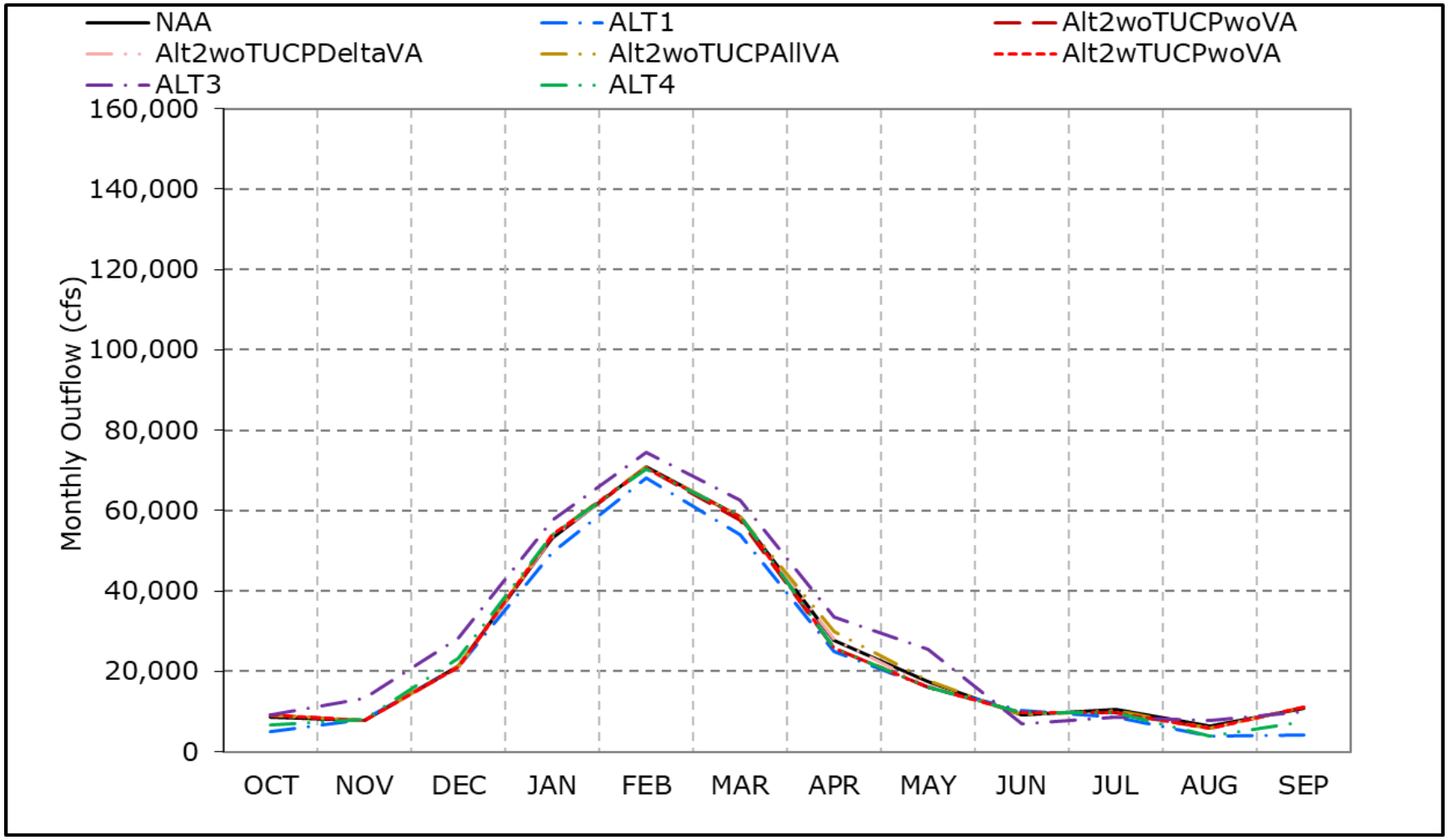
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-1. Delta Outflow, Long-Term Average Outflow



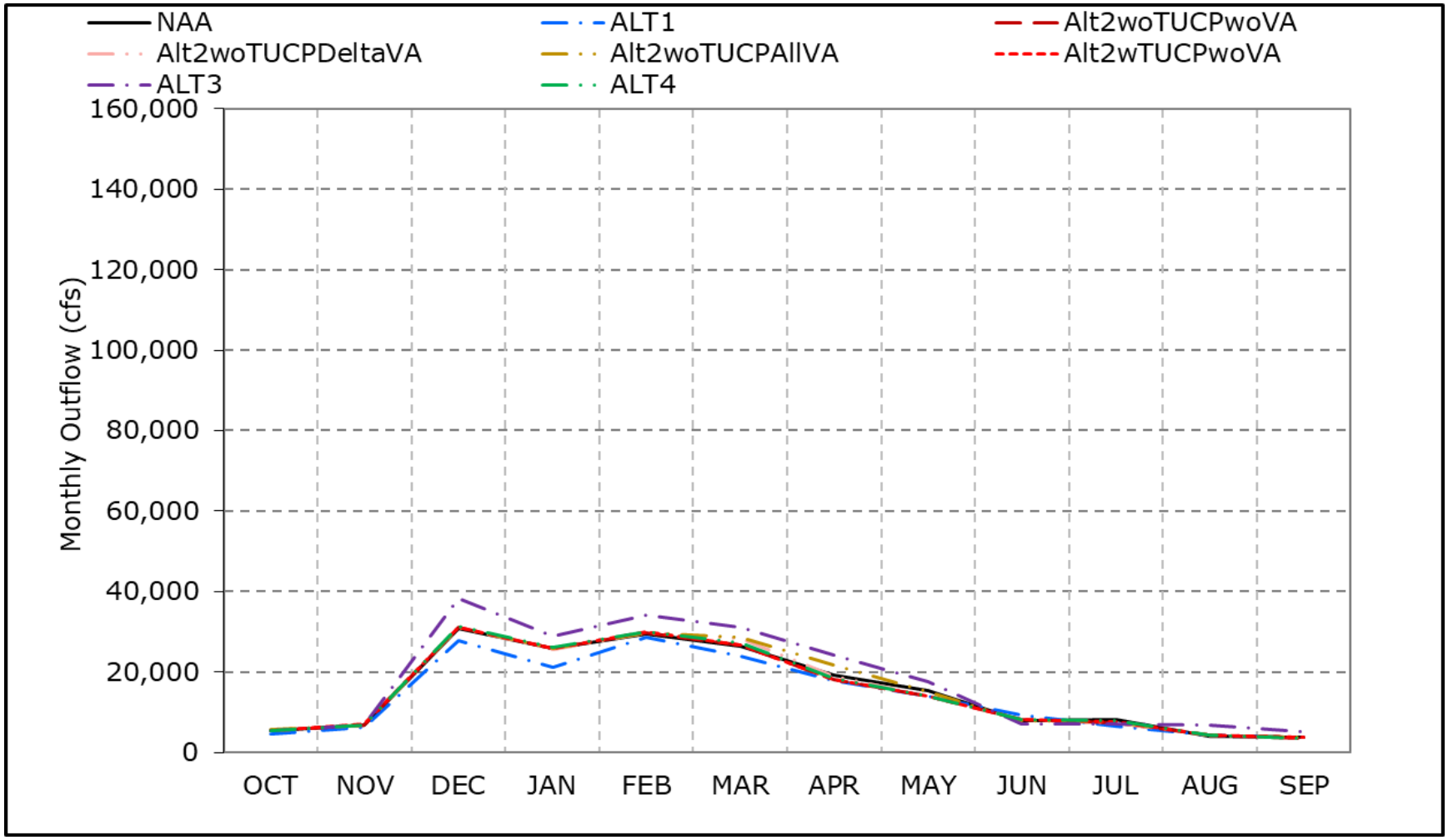
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-2. Delta Outflow, Wet Year Average Outflow



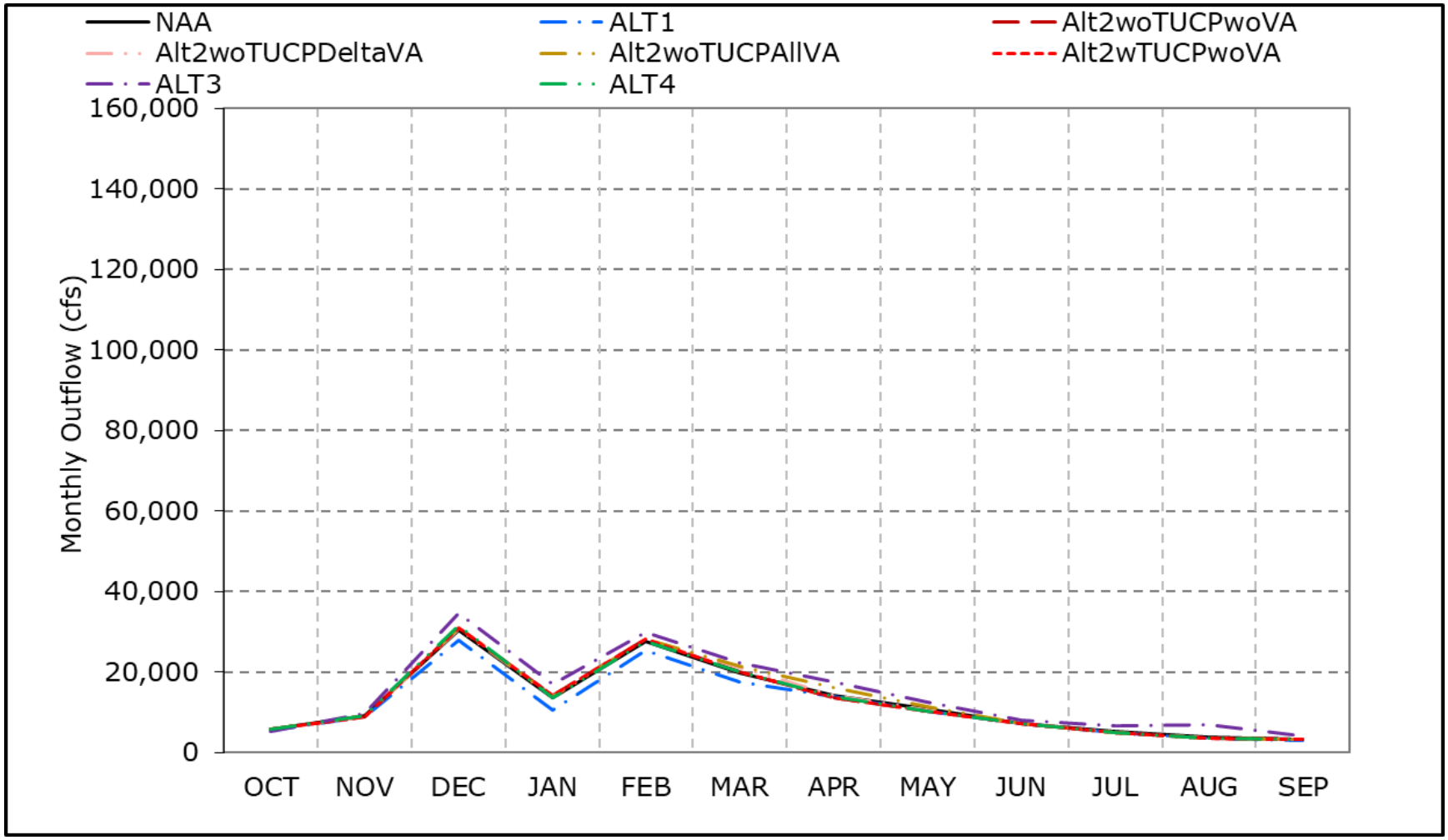
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-3. Delta Outflow, Above Normal Year Average Outflow



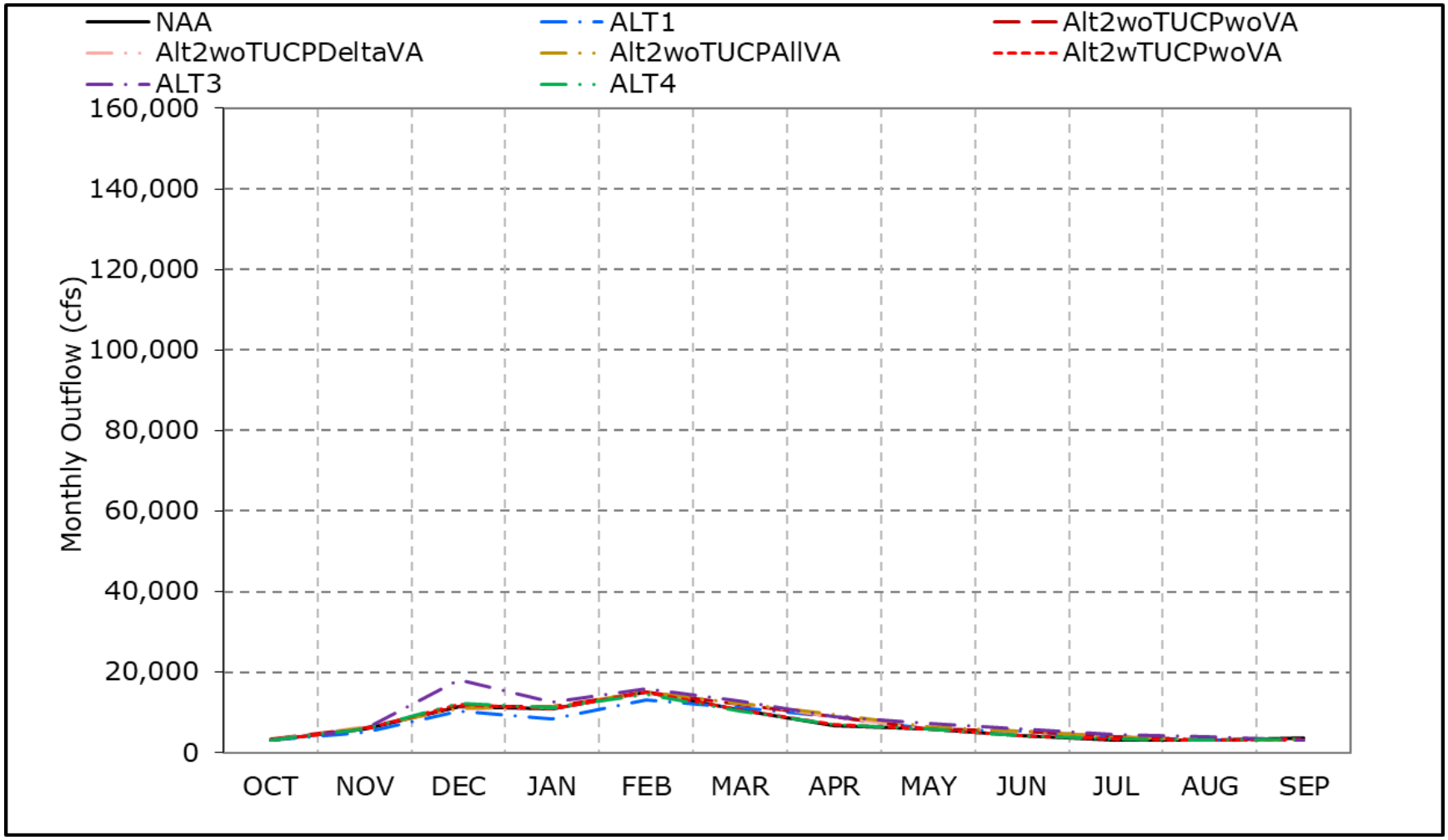
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-4. Delta Outflow, Below Normal Year Average Outflow



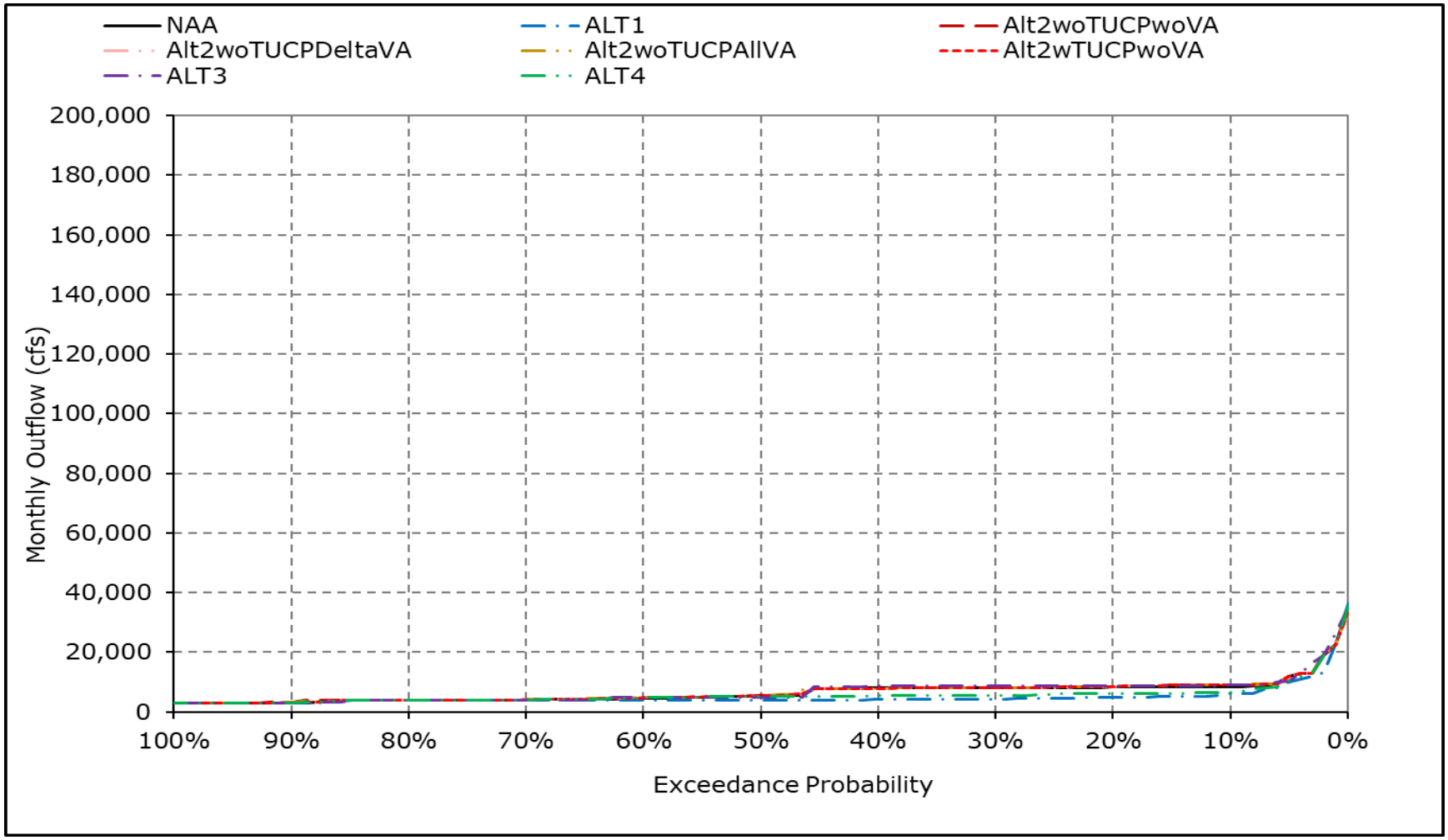
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-5. Delta Outflow, Dry Year Average Outflow



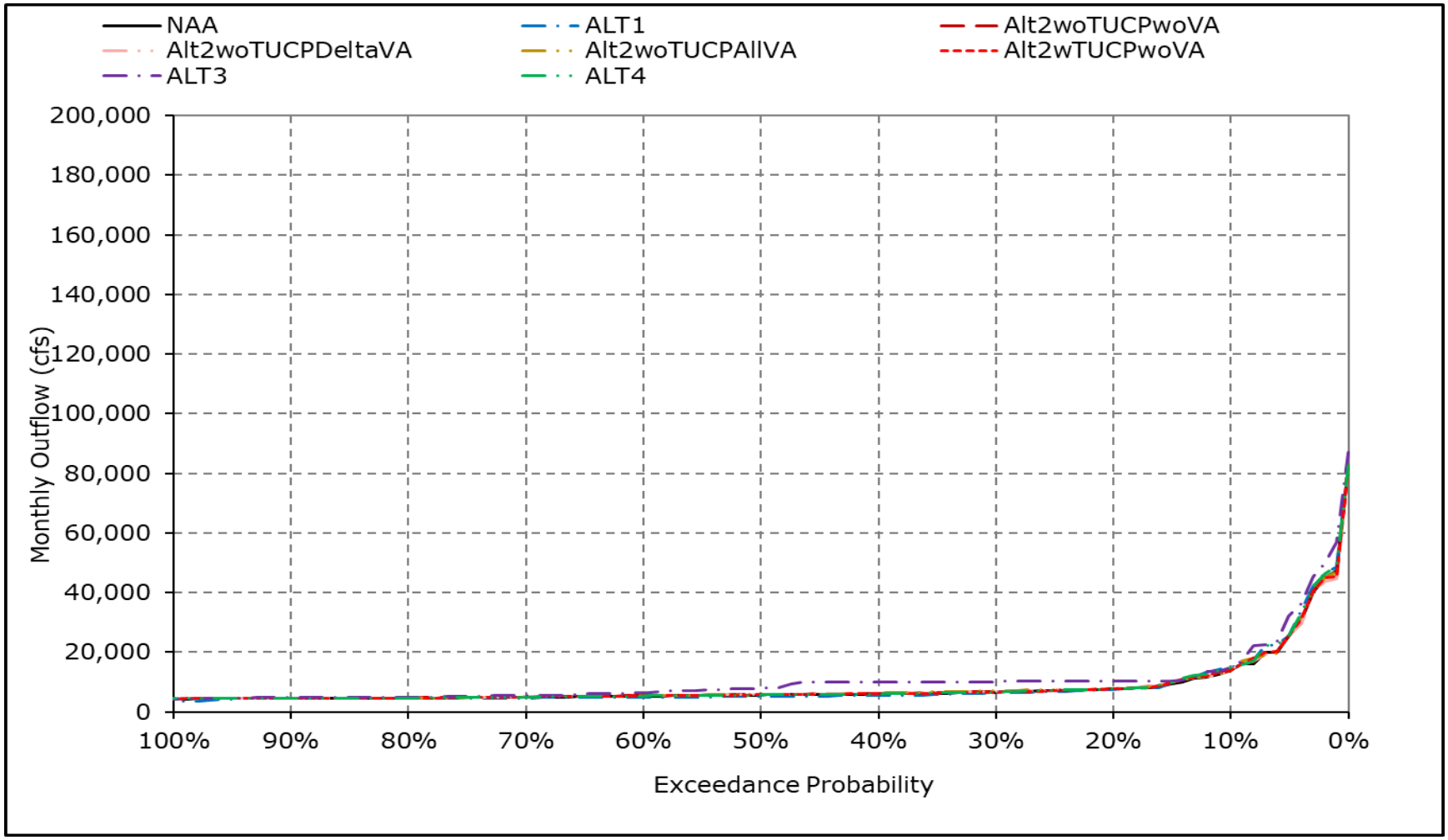
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-6. Delta Outflow, Critical Year Average Outflow



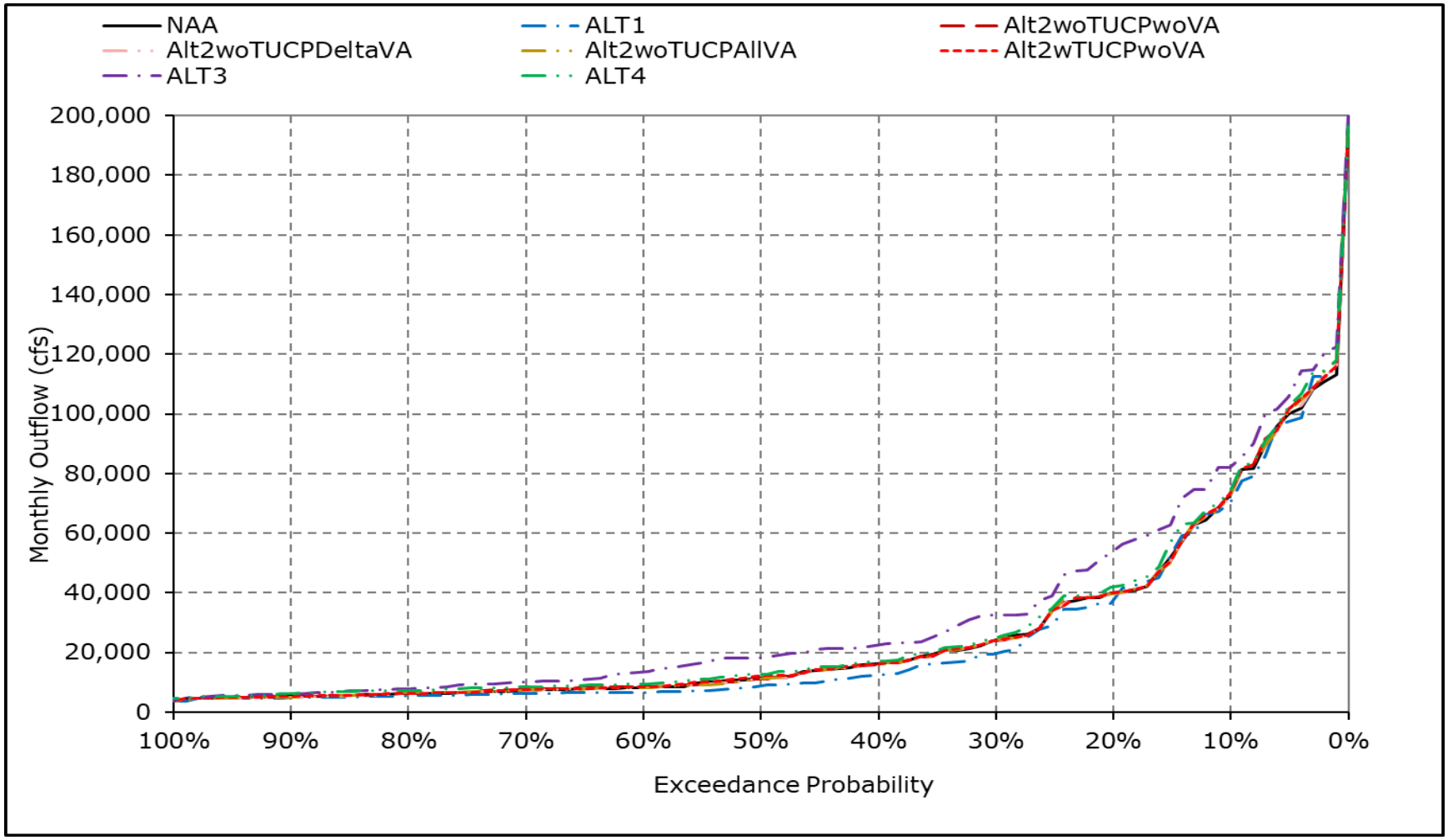
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-7. Delta Outflow, October



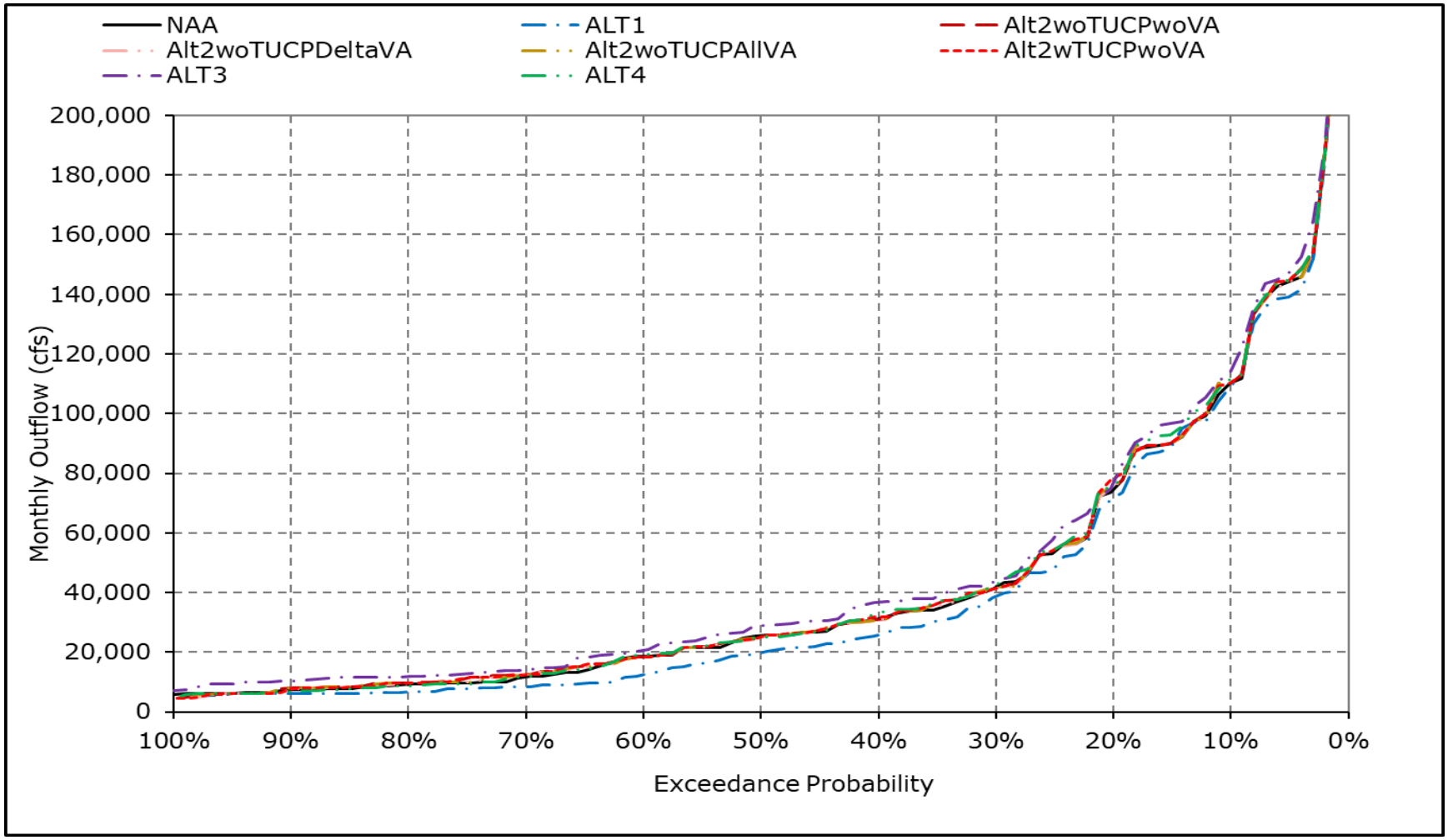
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-8. Delta Outflow, November



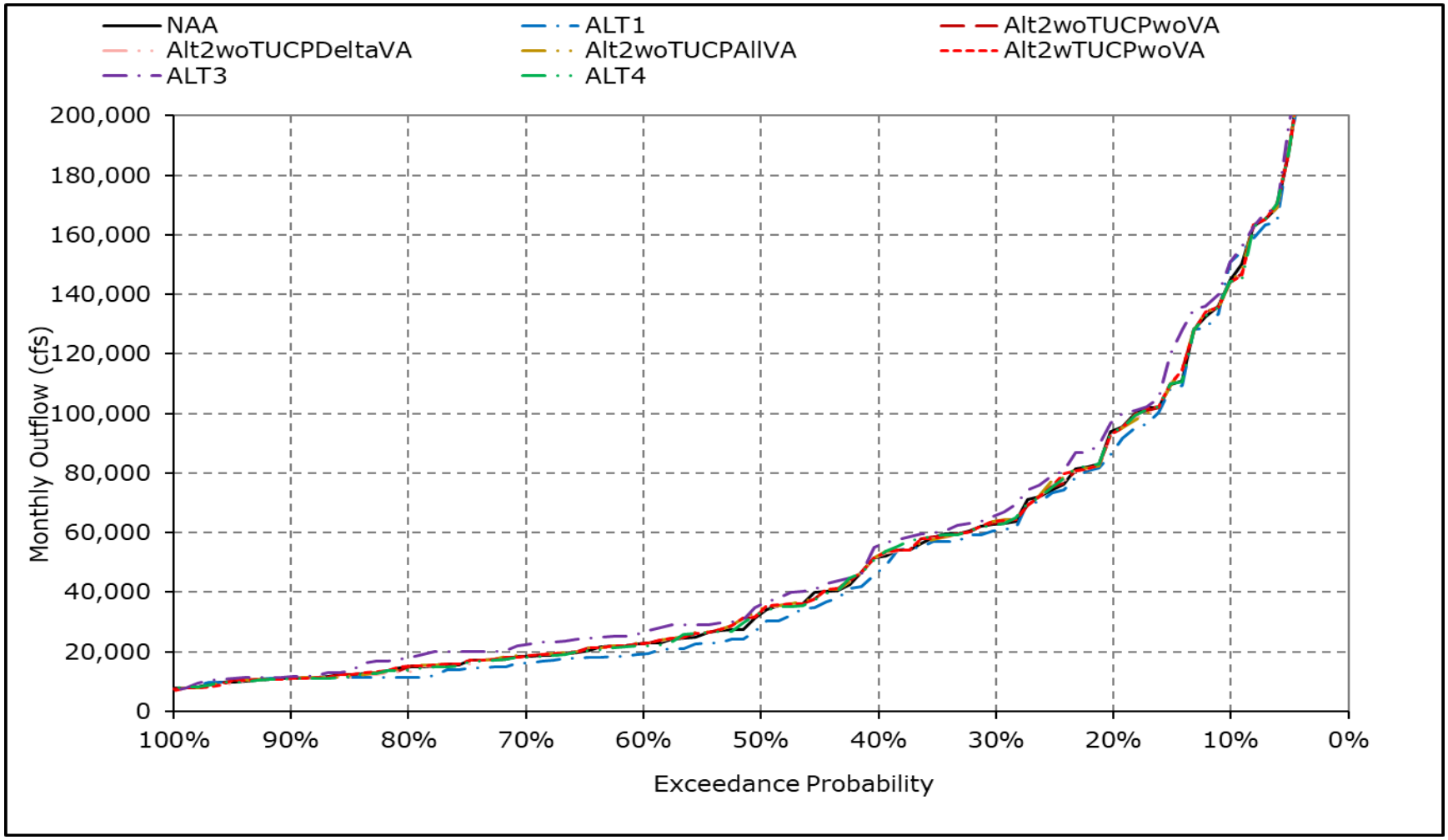
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-9. Delta Outflow, December



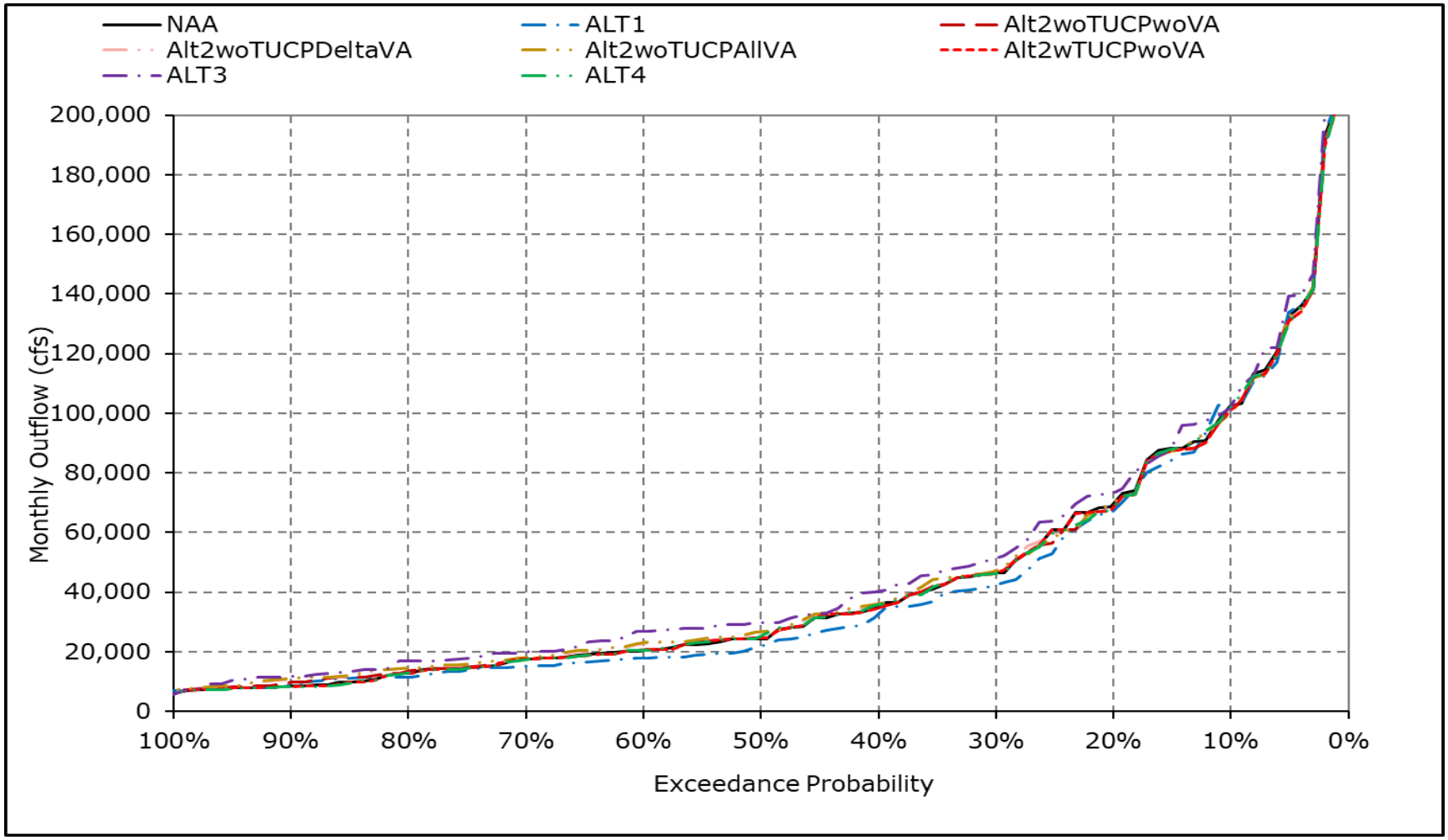
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-10. Delta Outflow, January



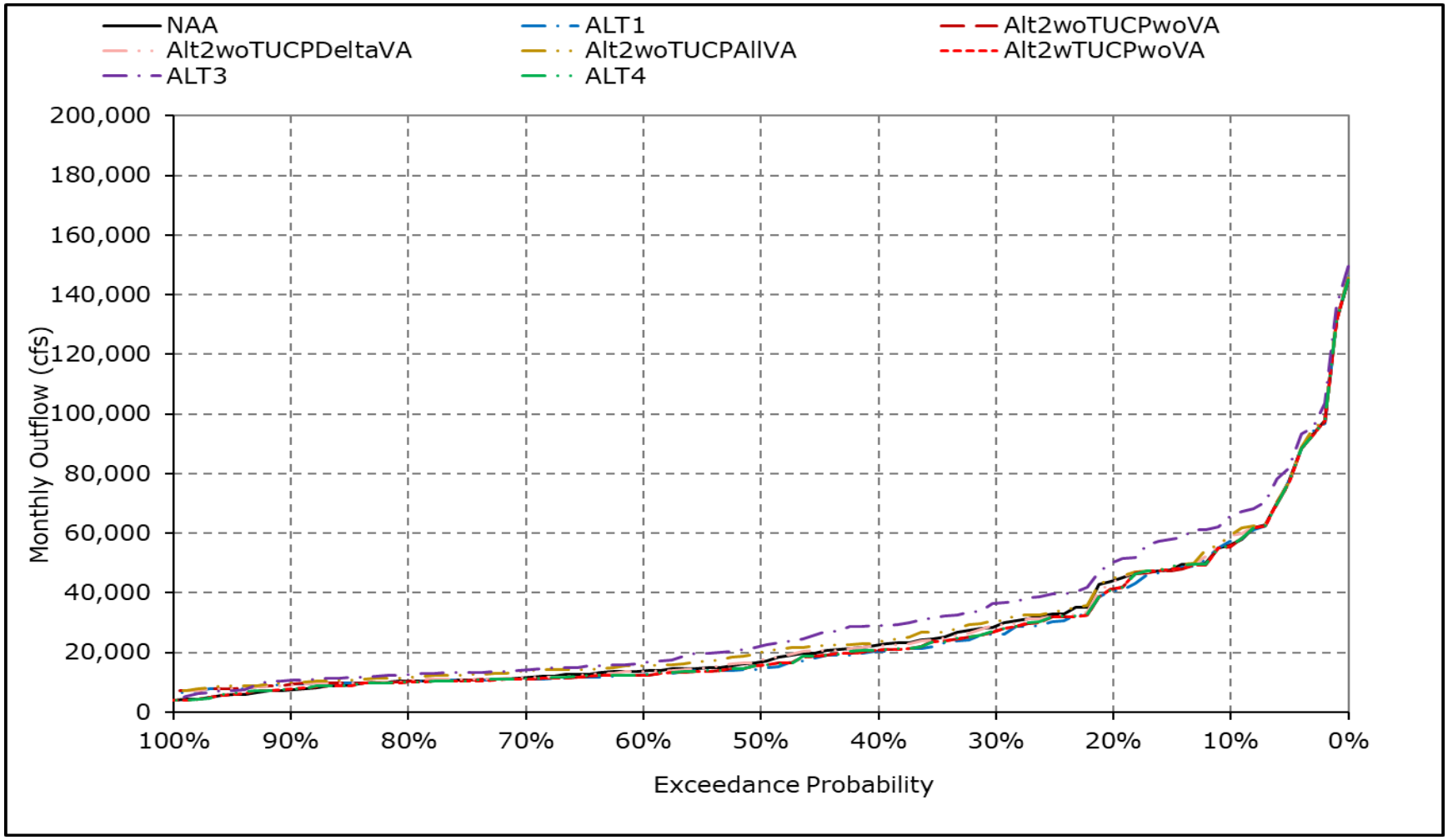
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-11. Delta Outflow, February



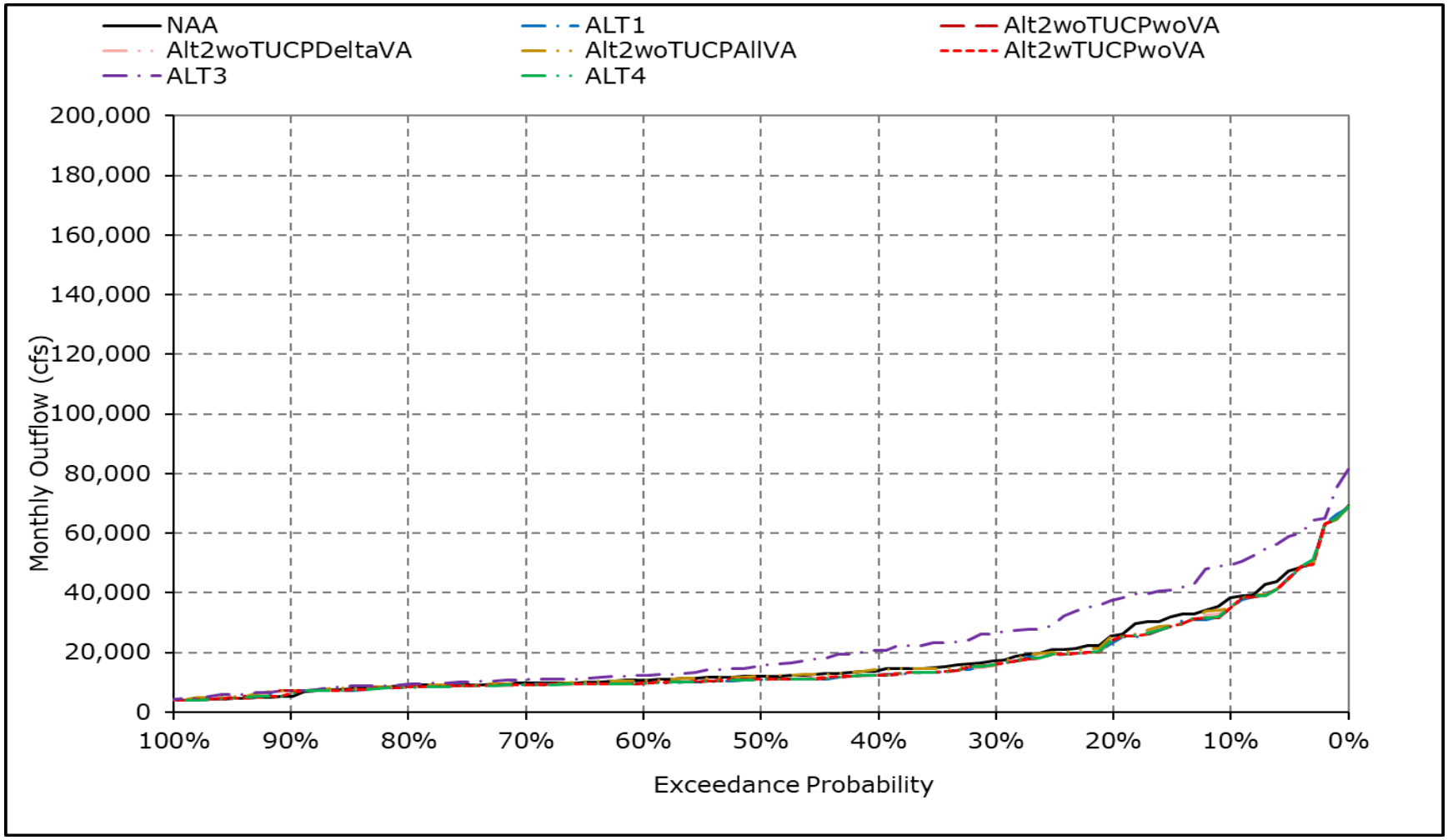
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-12. Delta Outflow, March



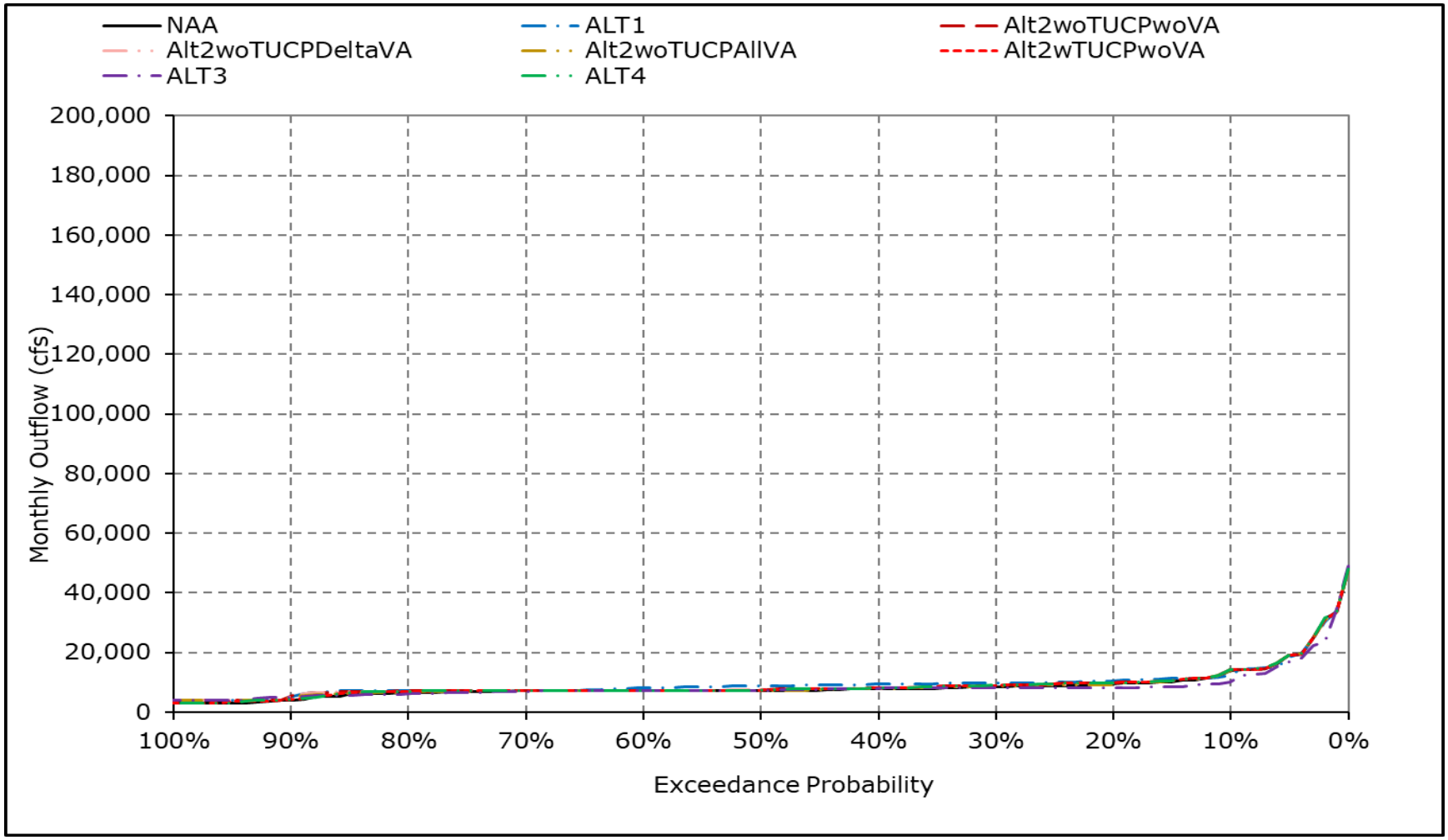
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-13. Delta Outflow, April



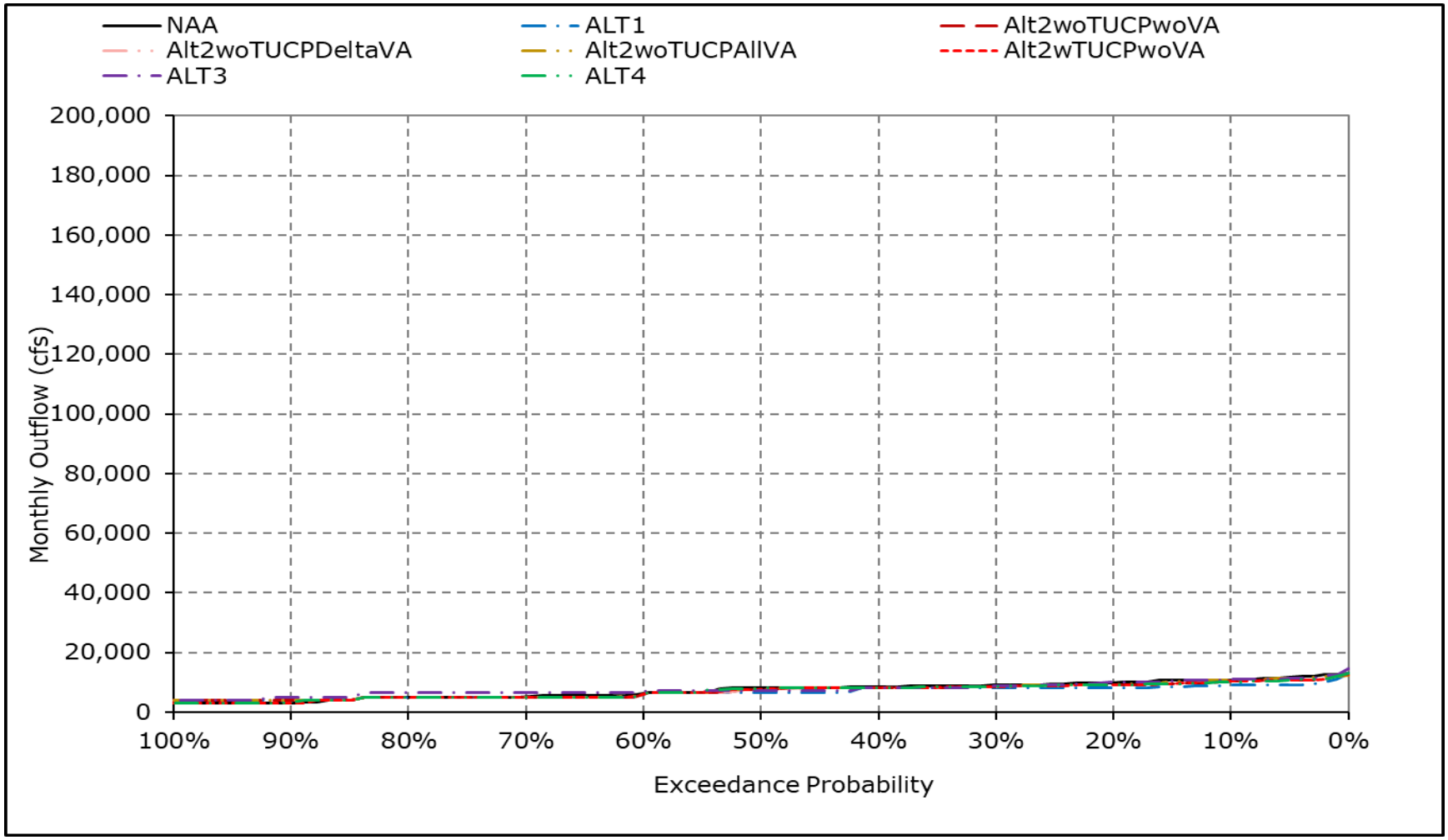
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-14. Delta Outflow, May



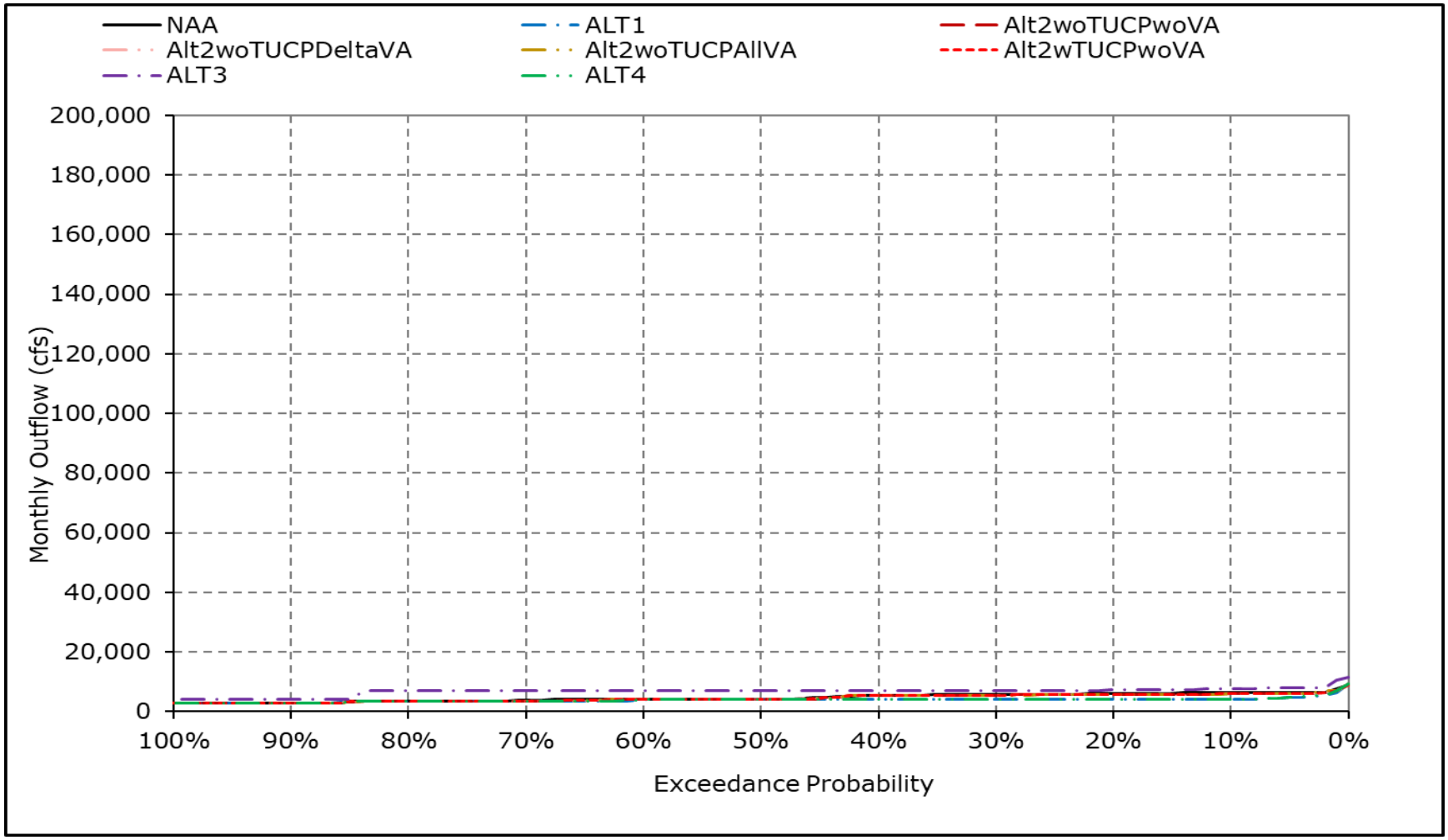
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-15. Delta Outflow, June



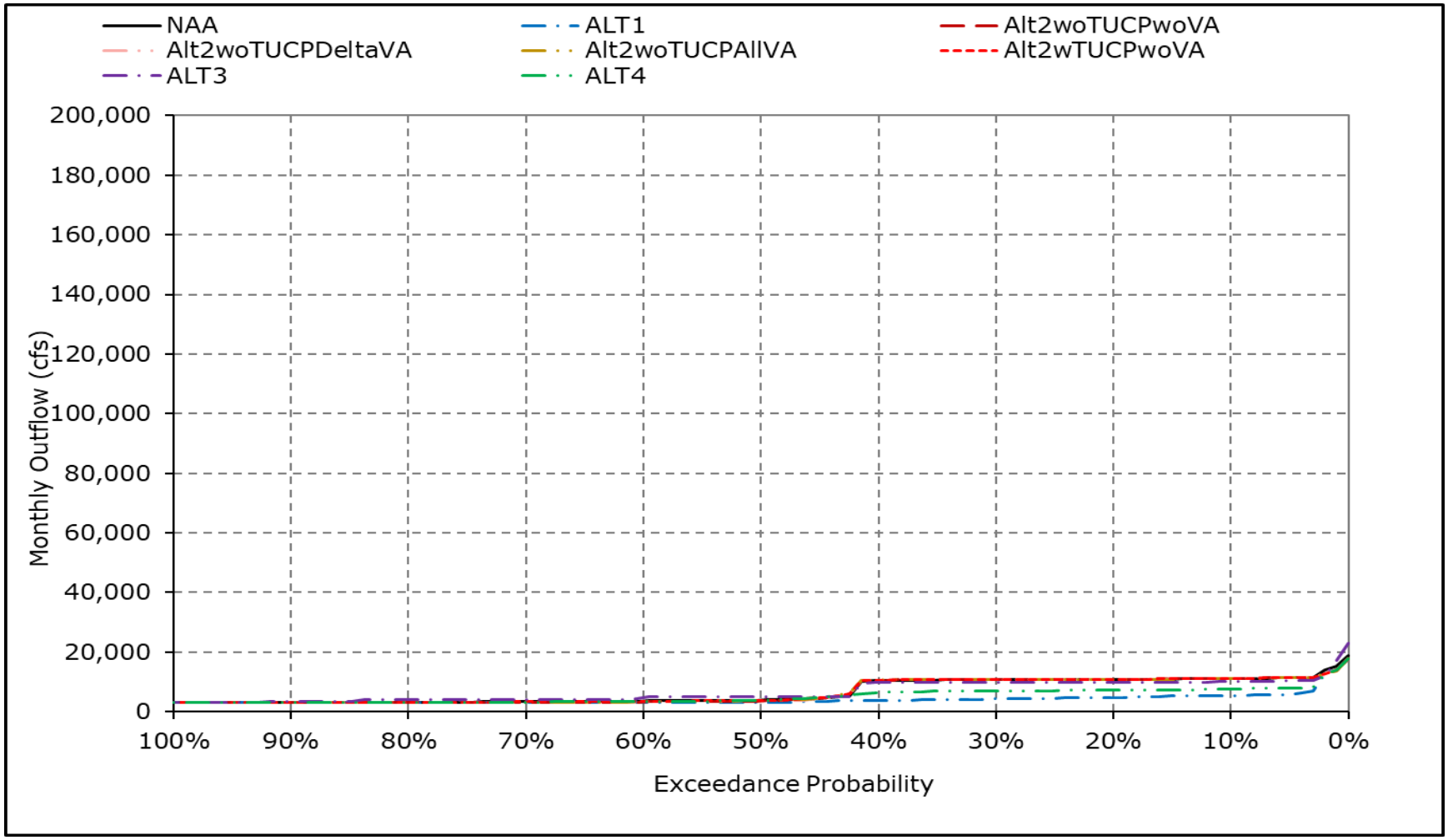
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-16. Delta Outflow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-17. Delta Outflow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-18. Delta Outflow, September