Appendix F, Modeling

June Delta Outflow Action Sensitivity Analysis

Introduction

This document summarizes key findings from a sensitivity analysis of operational changes to Alternative 2v2 (without TUCPs) with revised X2 and Delta Outflow criteria. Results from these simulations were analyzed to understand the effects of increasing Delta Outflow in June while relaxing the Fall X2 criteria in September and October. The relative effect of the revised Delta Outflow and Fall X2 criteria was also compared against the No Action Alternative (NAA). The CalSim 3 model was used for quantifying the changes in storages, river and delta channel flows at various compliance locations, deliveries, and Delta exports. The following sections summarize key CalSim 3 output parameters for these scenarios.

Adjusted Delta Outflow and Fall X2 Criteria

Alternative 2v2 and NAA provide Delta outflow to manage X2 in the fall months following Sacramento Valley (40-30-30) Index Wet and Above Normal years targets maintaining an average X2 for September and October no greater (more eastward) than 80 kilometers. This criteria is modeled with transitional flows in the last half of August. For this sensitivity analysis, the Alternative 2v2 CalSim 3 model was modified to maintain an average X2 of 85 kilometers in September and October of Wet and Above Normal years. The model was also adjusted to include a Delta Outflow objective of 10,000 cfs in June of Wet and Above Normal years. Export reductions and storage withdrawals may be used to meet the June outflow objective. Contributions to this objective are split between the Central Valley Project (CVP) and State Water Project (SWP) according to the Coordinated Operations Agreement (COA), as described in Appendix F Section 1-1 – Modeling Methodology. In this report, the modified model is referred to as **Alternative 2v2 June Outflow**. A summary table of the assumptions relevant to this sensitivity analysis are shown for each alternative in Table 1.

Table 1. Fall X2 and June Delta Outflow Criteria.

	No Action Alternative	Alternative 2v2	Alternative 2v2 June Outflow
Fall X2	80 km in September and October in W and AN years	Same as NAA	85 km in September and October in W and AN years
Delta Outflow (June)	SWRCB D-1641	Same as NAA with additional flow provided by Delta Voluntary Agreement actions	Same as ALT2v2 in BN, D, and C years; 10,000 cfs in June of W and AN years

*Both Alternative 2 v2 scenarios do not include TUCPs.

Sensitivity Analysis

Figures 1 through 31 show CalSim 3 simulation results for the NAA (black lines), Alternative 2v2 without TUCPs (blue lines), and Alternative 2v2 June Outflow without TUCPs (red lines). The changes analyzed in this document are relevant to assessing the tradeoffs between the relaxed Fall X2 criteria and new June Delta Outflow objective. In this report, incremental changes between the NAA and each of the Alternative 2v2 scenarios are assessed for the following parameters:

- Shasta Storage
- Trinity Storage
- Folsom Storage
- Oroville Storage
- Sacramento River flow below Keswick Dam
- Sacramento River flow near Wilkins Slough
- Feather River flow below Thermalito
- American River flow below Nimbus Dam
- Delta Outflow
- X2 Position
- Jones PP Export
- Banks PP Export
- CVP Delivery
- SWP Delivery

As shown in Figure 1, Shasta storage is higher in **ALT2v2 June Outflow** than in the baseline **ALT2v2** scenario. End-of-October Shasta storage is shown in Figure 2 to demonstrate reservoir conditions after the June outflow and Fall X2 criteria have been put into effect. At the start of the new water year, Shasta storage in **ALT2v2 June Outflow** is typically greater than or equal to the baseline **ALT2v2** scenario. The water cost (i.e., water released from storage and export reductions) to meet the June Delta Outflow criteria included in "**ALT2v2 June Outflow**" is lower than the cost to meet X2 objectives of 80 km in September and October. Storage releases are used more often and in higher quantities to meet the baseline Fall X2 objectives than the June 10,000 cfs Delta outflow requirement.

Figure 3 and Figure 4 show that Trinity storage is higher in **ALT2v2 June Outflow** relative to **ALT2v2** in years with higher storage availability. The same trend is observed for Folsom storage and Oroville storage in Figure 5 through Figure 8. In Wet and Above Normal years, when the June Outflow and Fall X2 criteria are in effect, storage withdrawal from these reservoirs is needed less in **ALT2v2 June Outflow** than in **ALT2v2**. Consequently, in some years, reservoir storage is greater in **ALT2v2 June Outflow** than in **NAA** when storage is less in **ALT2v2** than in **NAA**. The modified criteria in **ALT2v2 June Outflow** allows for storage at Trinity, Folsom, and Oroville to be roughly equal to **NAA** at the start of an average year, whereas storage conditions in the baseline **ALT2v2** scenario are typically lower than those in the **NAA**.

A monthly pattern chart of long-term average Sacramento River flow downstream of Keswick Dam is included in Figure 9. Flow in **ALT2v2 June Outflow** falls below **ALT2v2** and **NAA** in August through September because of the relaxed Fall X2 criteria requiring less stored water to be released from Shasta. In June, there is no significant change in flow between **ALT2v2 June Outflow** and **ALT2v2** because the 10,000 cfs outflow objective is often achieved without much stored water release from Shasta. The increased level of storage maintained in Shasta allows for an increased level of releases to meet downstream needs, such as Fall Flow Stability objectives in November through February. This increased contribution of winter-time storage release is especially pronounced in December. The trends in Sacramento River flows at Keswick are also reflected at Wilkins Slough, as shown in Figure 10.

Figure 13 shows a reduction in Delta outflow in August through October in **ALT2v2 June Outflow**, which is caused by the relaxation of X2 criteria from 80 km to 85 km. In June, however, there is also an increase in Delta outflow of 57 TAF in Wet years, 64 TAF in Above Normal years, and 25 TAF/yr on the long-term average, as shown in Figure 15. In the baseline **ALT2v2** scenario, Delta outflow is typically near or exceeding 10,000 cfs in Wet and Above Normal years. Consequently, the June objective of 10,000 cfs only elevates outflow between 0 – 2,200 cfs in one month, whereas the relaxation of the X2 requirements from 80 km to 85 km reduces Delta outflow by up to 1,800 cfs in August, 3,000 cfs in September, and 2,300 cfs in October (see Figure 17 through Figure 22). In June, Delta outflow is increased by 57 TAF (7%) in Wet years and 64 TAF (11%) in Above Normal years. In August, Delta outflow is reduced by 90 TAF (25%) in Wet years and 114 TAF (32%) in Above Normal years. In September, Delta outflow is reduced by 199 TAF (30%) in Wet years and 222 TAF (33%) in Above Normal years. In October, Delta outflow is reduced by 133 TAF (24%) in Wet years and 156 TAF (27%) in Above Normal years. Figure 23 presents Delta outflow in August through October, which covers the full period when X2 criteria is relaxed under **ALT2v2 June Outflow**. During this relaxation period, there is a reduction to Delta outflow of 422 TAF in Wet years and 483 TAF in Above Normal years.

Figure 24 shows the average long-term X2 position for each month of the year. In **ALT2v2 June Outflow**, the September and October X2 requirement has been relaxed from 80 km to 85 km in Wet and Above Normal years. Additionally, transitional flow modeled in the last half of August is excluded from **ALT2v2 June Outflow**, which increases the average X2 position in August from 82.8 km to 84.4 km in Wet years and from 83.0 km to 84.9 km in Above Normal years.

The relaxed Fall X2 criteria in **ALT2v2 June Outflow** allows for increased exports through Jones and Banks pumping plants to CVP and SWP users in the late Summer through Fall, as shown in Figure 25 and Figure 26. Delta exports have primarily increased in Wet and Above Normal years, but **ALT2v2 June Outflow** maintains higher levels of exports on average in each year type (see Figure 27).

The higher storage levels and reduced exports cuts associated with **ALT2v2 June Outflow** allow for more CVP and SWP deliveries than **ALT2v2**. Average long-term CVP delivery increases by 27 TAF/yr and average long-term SWP delivery increases by 37 TAF/yr.

Overall, the volume of water needed (through storage releases and export reductions) to meet the modified Delta Outflow and X2 criteria in **ALT2v2 June Outflow** is less year-round than what is required in **ALT2v2**. The relaxation of the Fall X2 objectives from 80 km to 85 km has a relatively significant effect on model results compared to the implementation of a 10,000 cfs Delta Outflow objective in June. Simulated Delta outflow from CalSim 3 modeling suggests that Delta outflow is typically near or exceeding 10,000 cfs in Wet and Above Normal years. Relative to **ALT2v2**, **ALT2v2 June Outflow** shows an increase of Delta outflow in June of 57 TAF in Wet years and 64 TAF in Above Normal years, but a decrease in Delta outflow in October through September of 185 TAF in Wet years and 219 TAF in Above Normal years. The modified criteria in **ALT2v2 June Outflow** allows for increased levels of upstream CVP and SWP storage, reduced river flows and Delta outflow in August through October, increased river flows and Delta outflow in November through February and June, and increased long-term average annual CVP and SWP deliveries and exports.

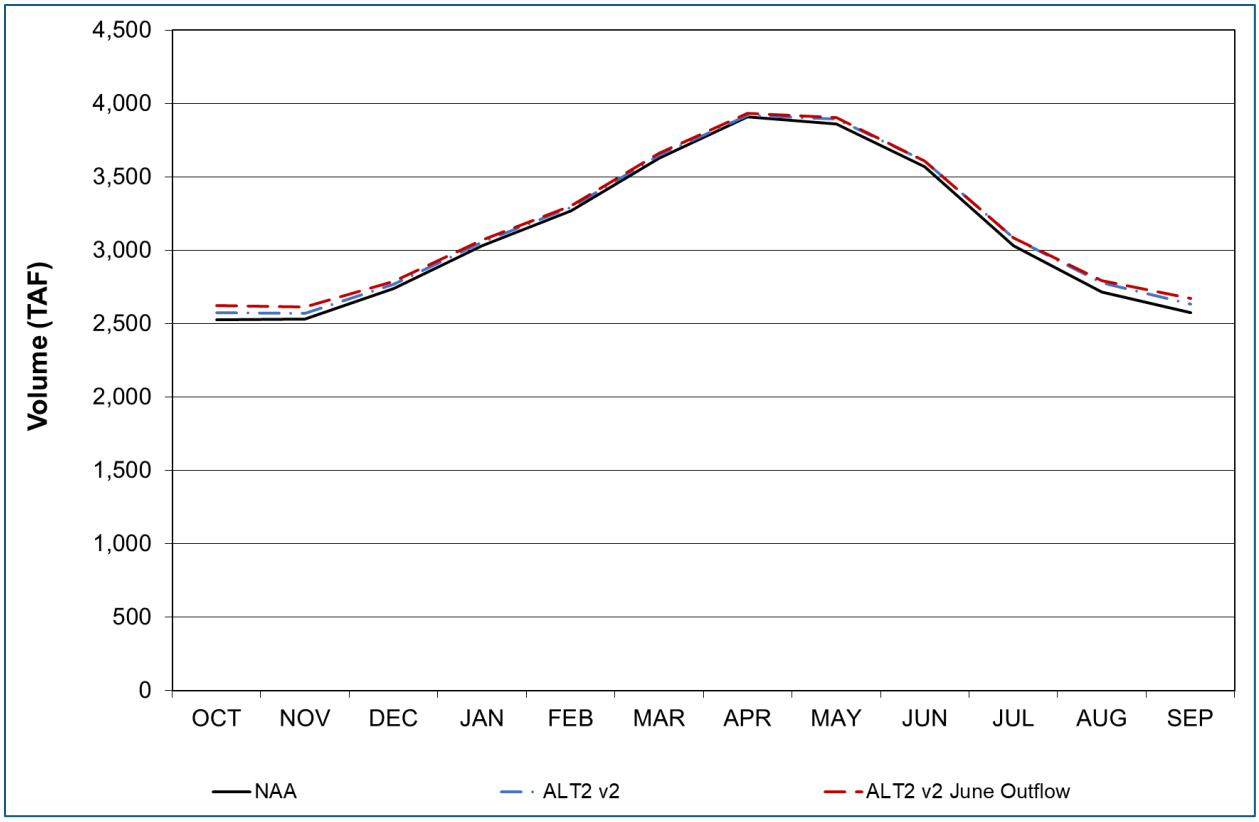


Figure 1. Shasta Storage Monthly Pattern

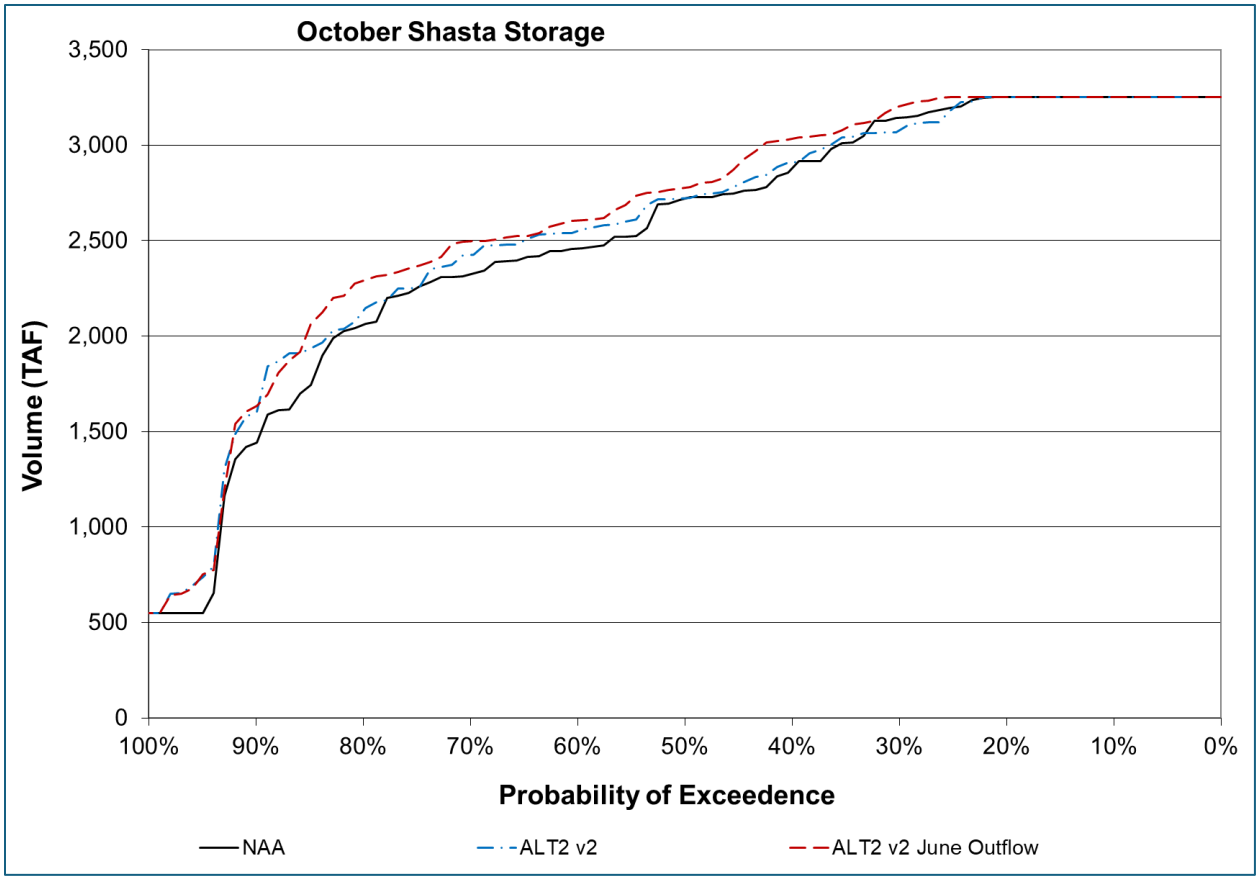


Figure 2. End-of-October Shasta Storage Probability of Exceedance

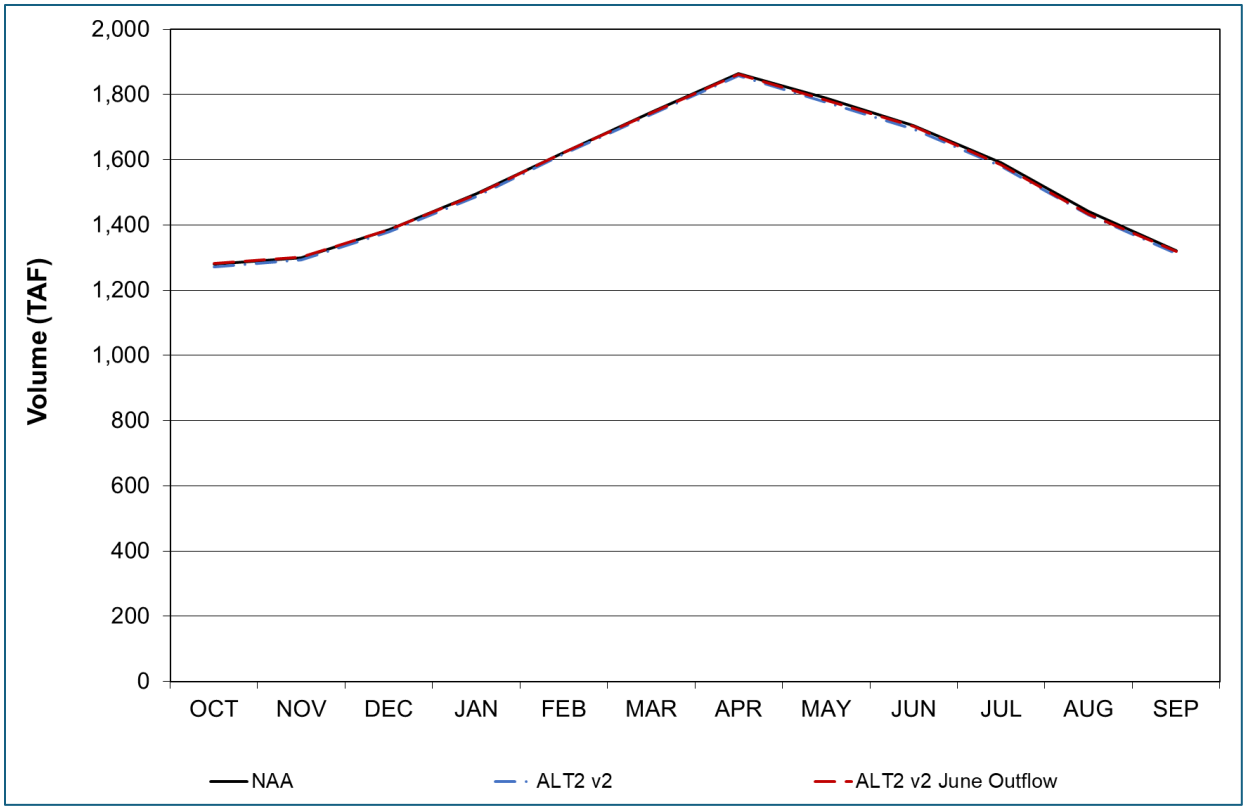


Figure 3. Trinity Storage Monthly Pattern

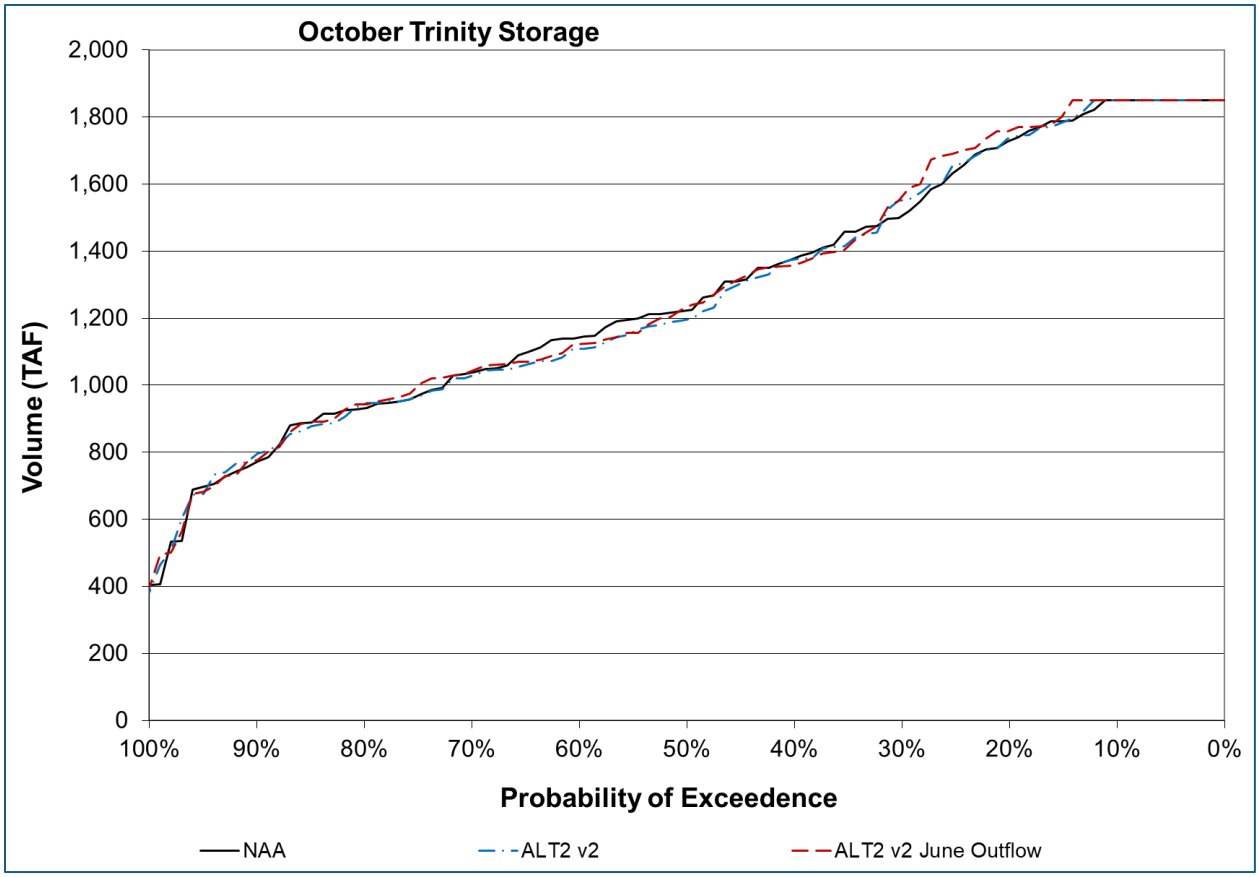


Figure 4. End-of-October Trinity Storage Probability of Exceedance

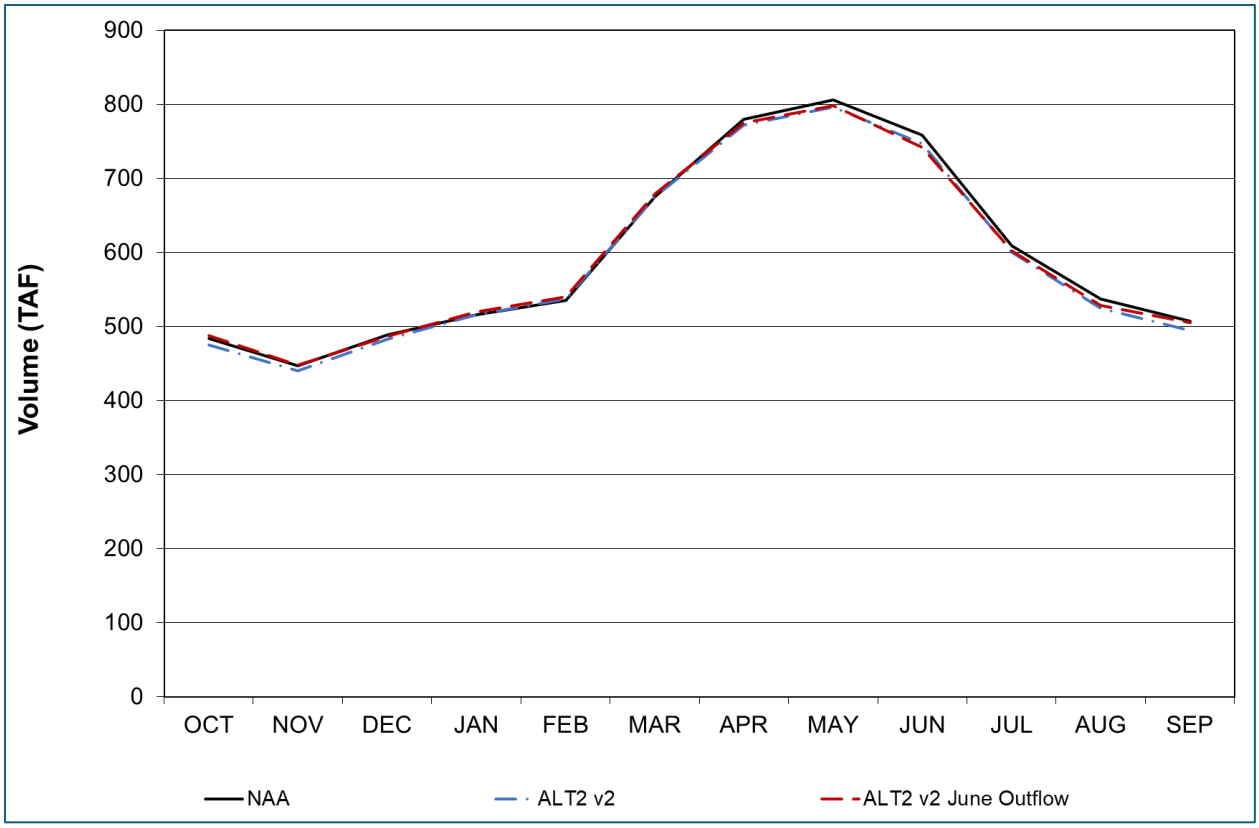


Figure 5. Folsom Storage Monthly Pattern

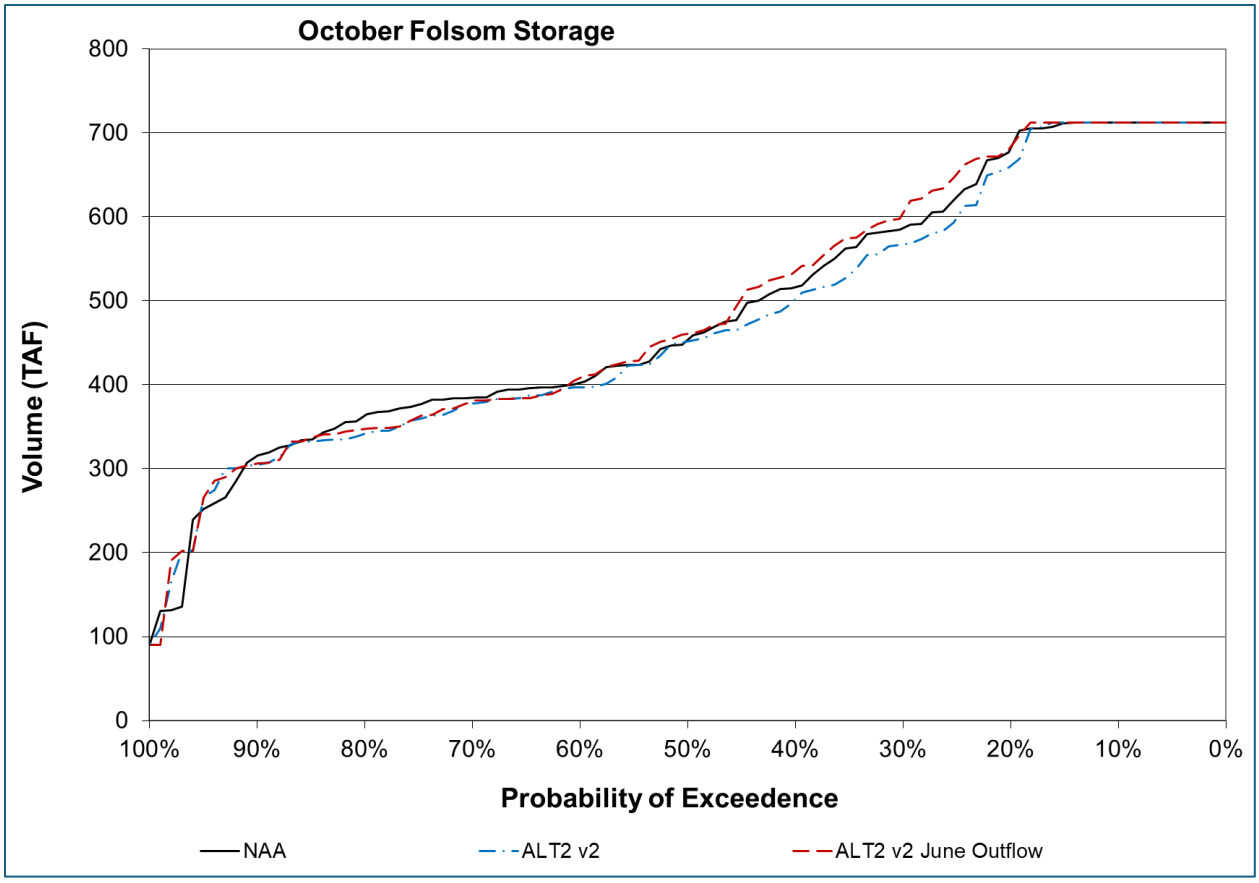


Figure 6. End-of-October Folsom Storage Probability of Exceedance

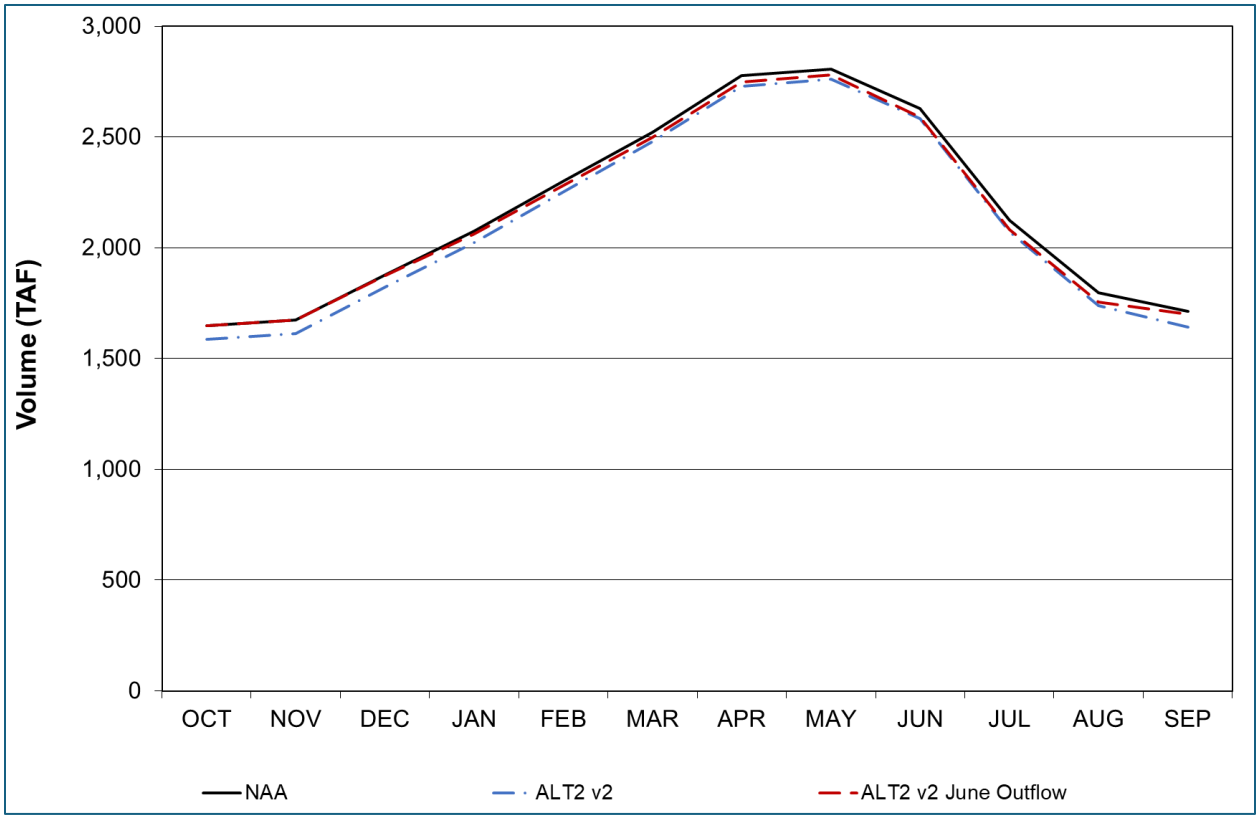


Figure 7. Oroville Storage Monthly Pattern

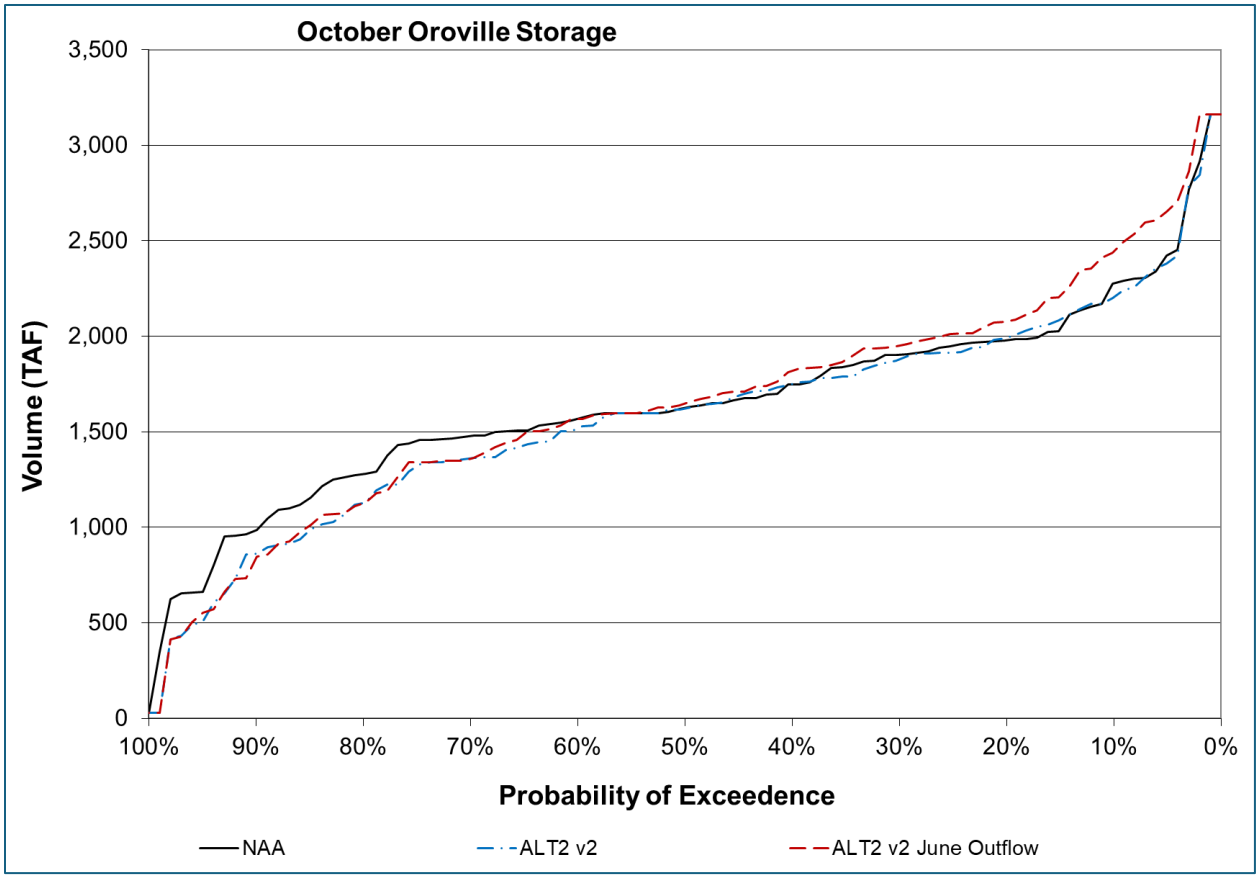


Figure 8. End-of-October Oroville Storage Probability of Exceedance

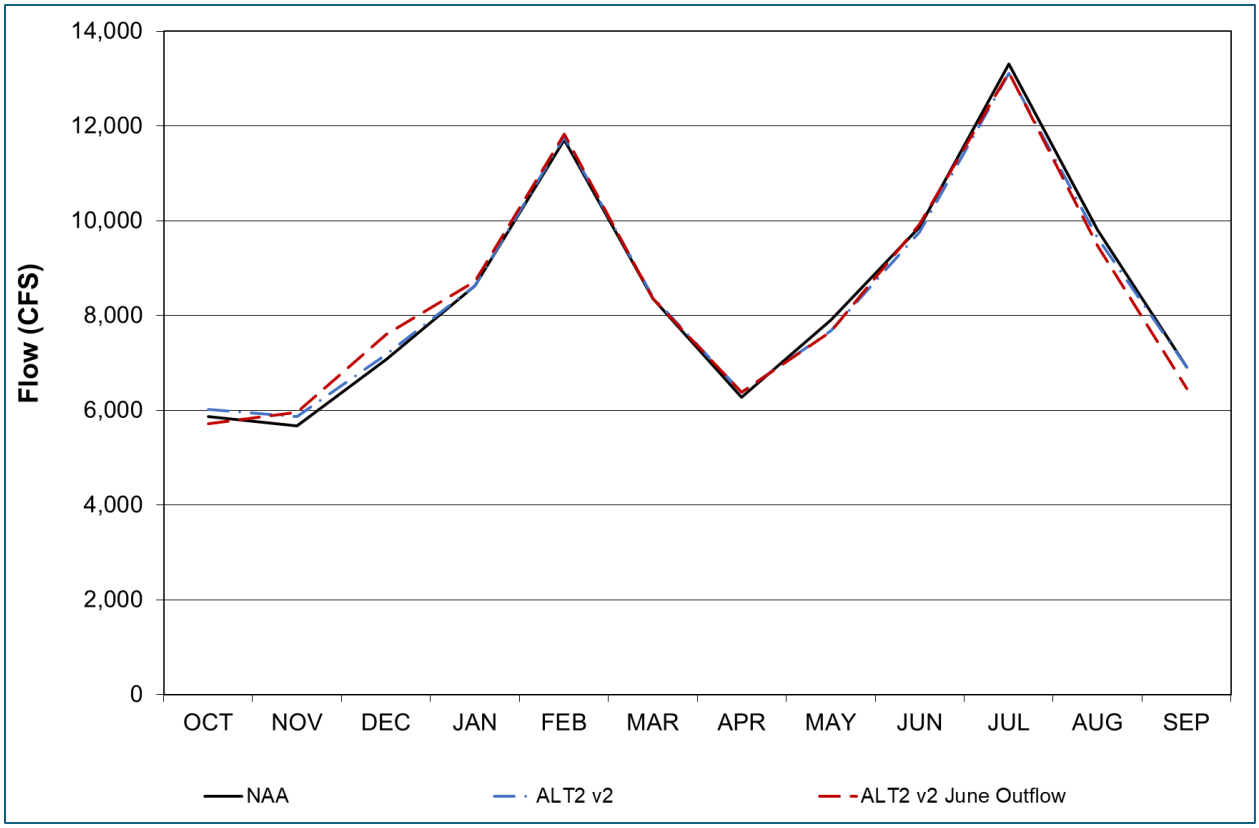


Figure 9. Sacramento River Flow below Keswick Dam Monthly Pattern

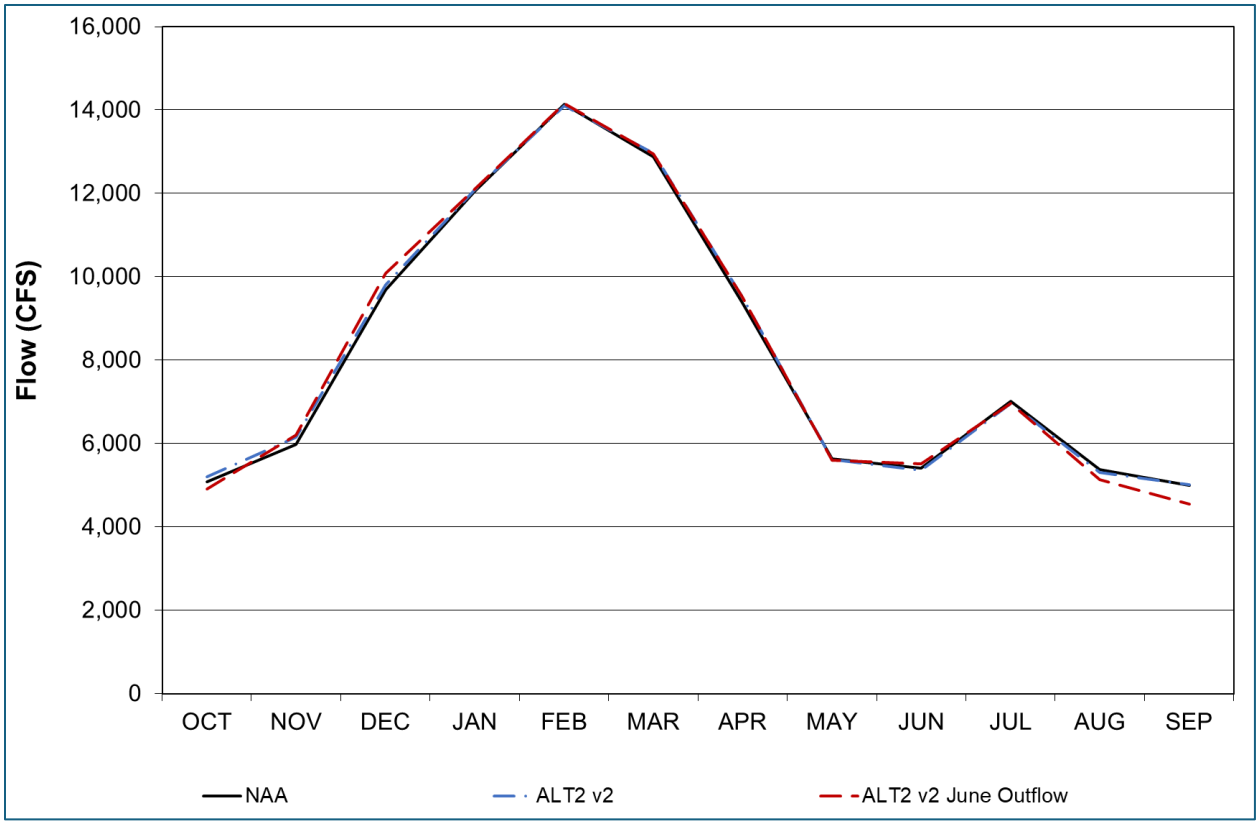


Figure 10. Sacramento River flow near Wilkins Slough Monthly Pattern

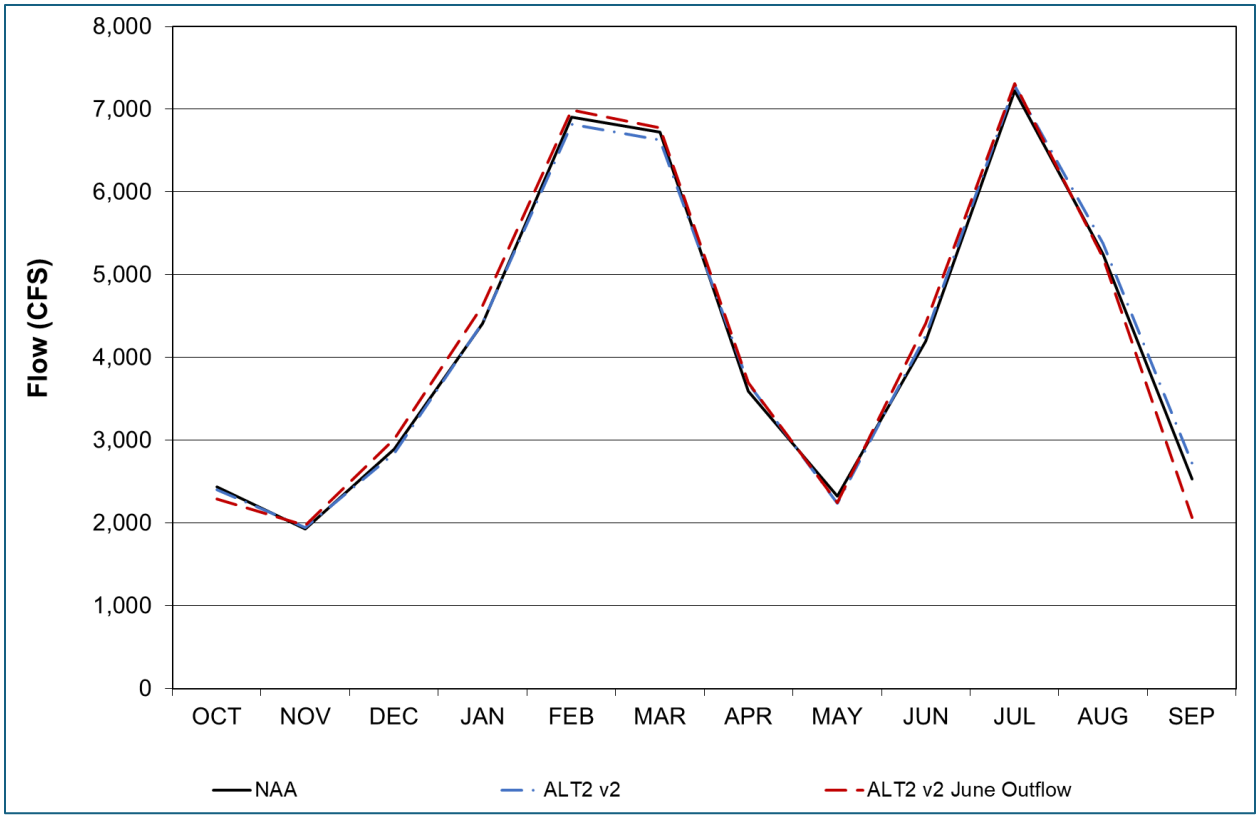


Figure 11. Feather River Flow below Thermalito Monthly Pattern

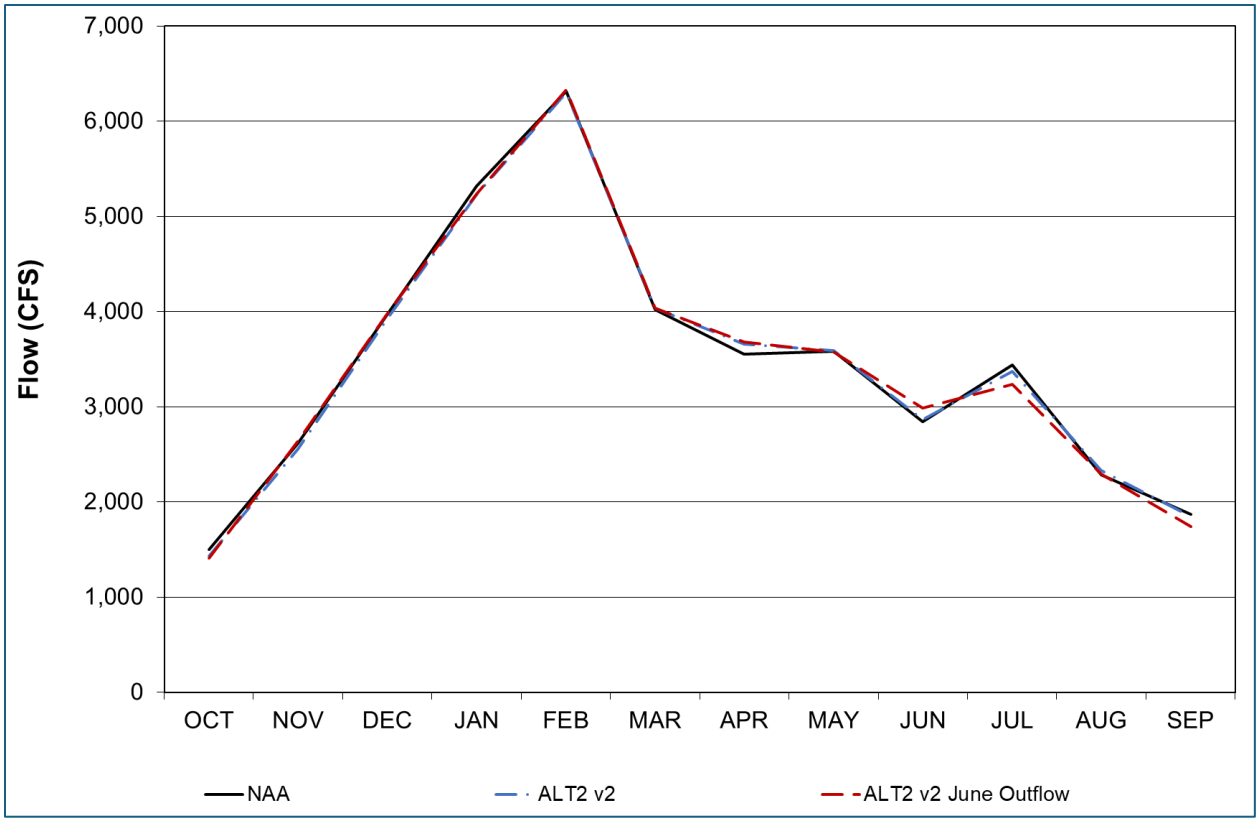


Figure 12. American River Flow below Nimbus Dam Monthly Pattern

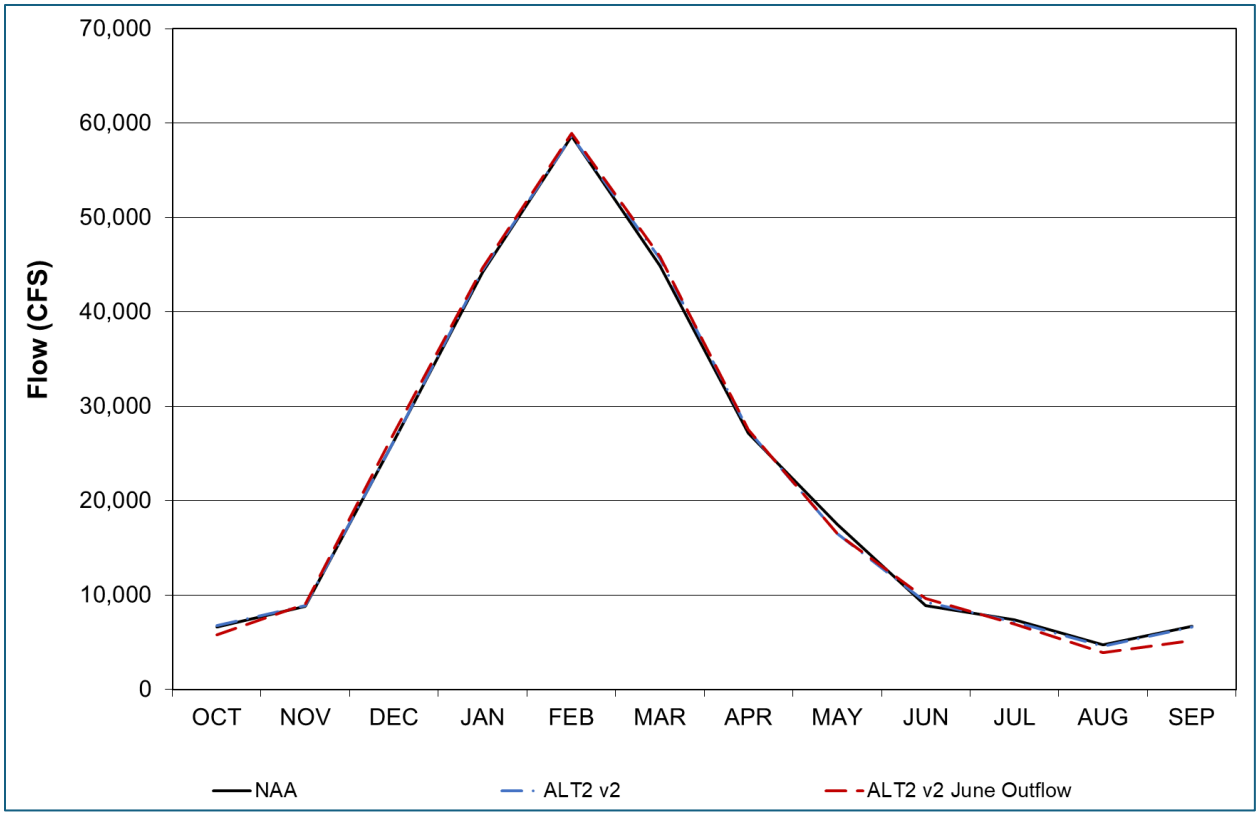
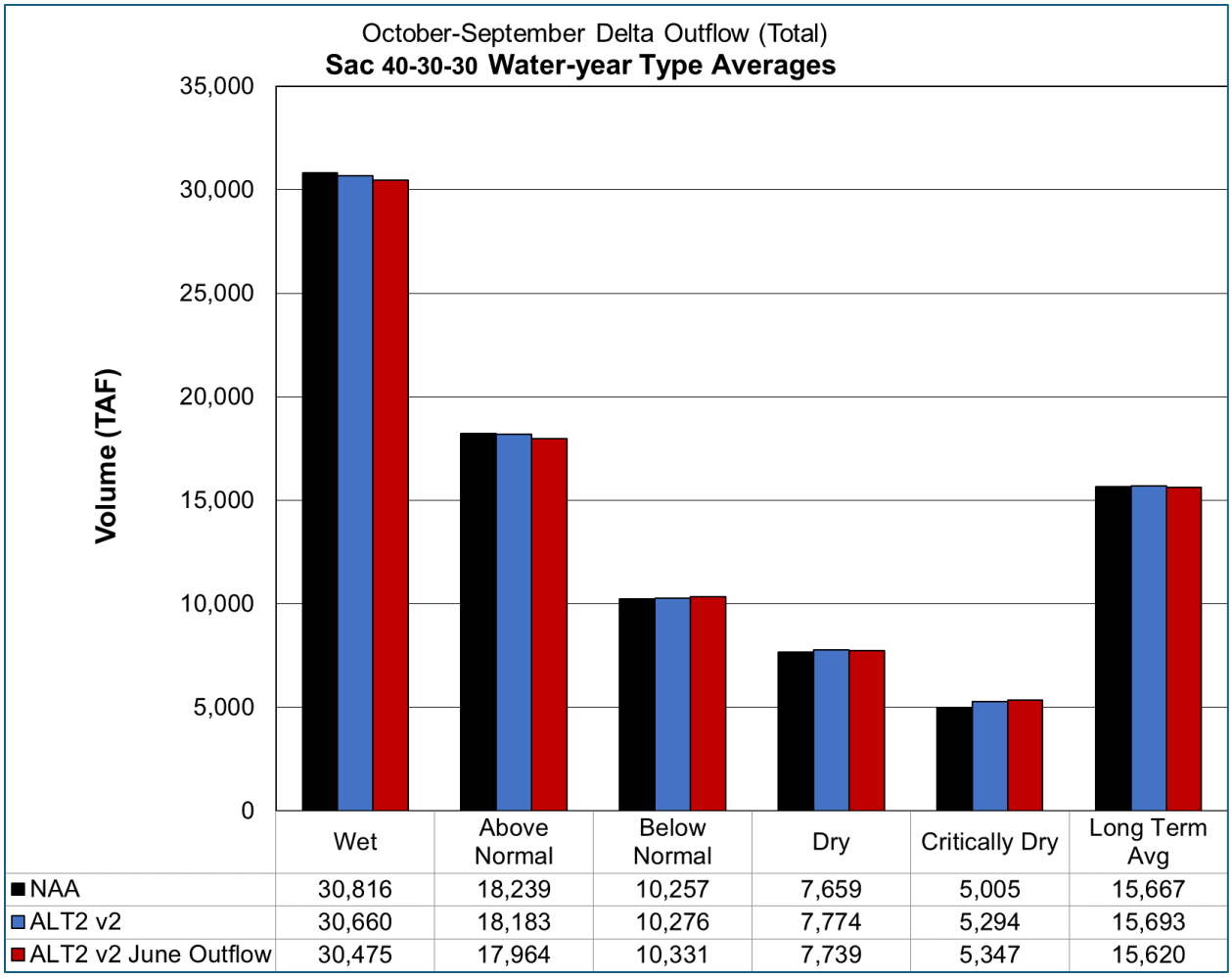
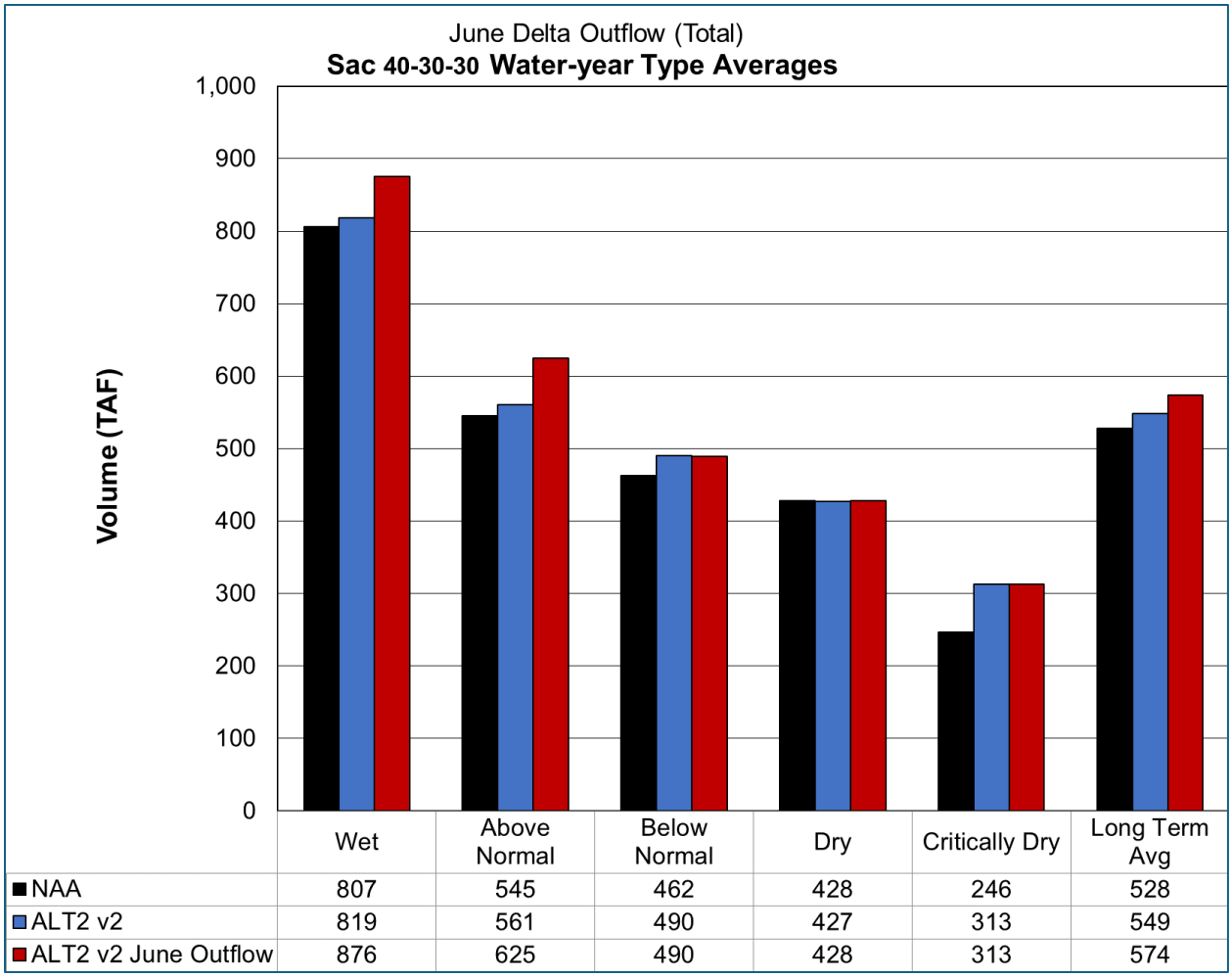


Figure 13. Delta Outflow Monthly Pattern



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	30,816	18,239	10,257	7,659	5,005	15,667
ALT2 v2	30,660	18,183	10,276	7,774	5,294	15,693
ALT2 v2 June Outflow	30,475	17,964	10,331	7,739	5,347	15,620

Figure 14. Delta Outflow Volumes by Water Year Type



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	807	545	462	428	246	528
ALT2 v2	819	561	490	427	313	549
ALT2 v2 June Outflow	876	625	490	428	313	574

Figure 15. June Delta Outflow Volumes by Water Year Type

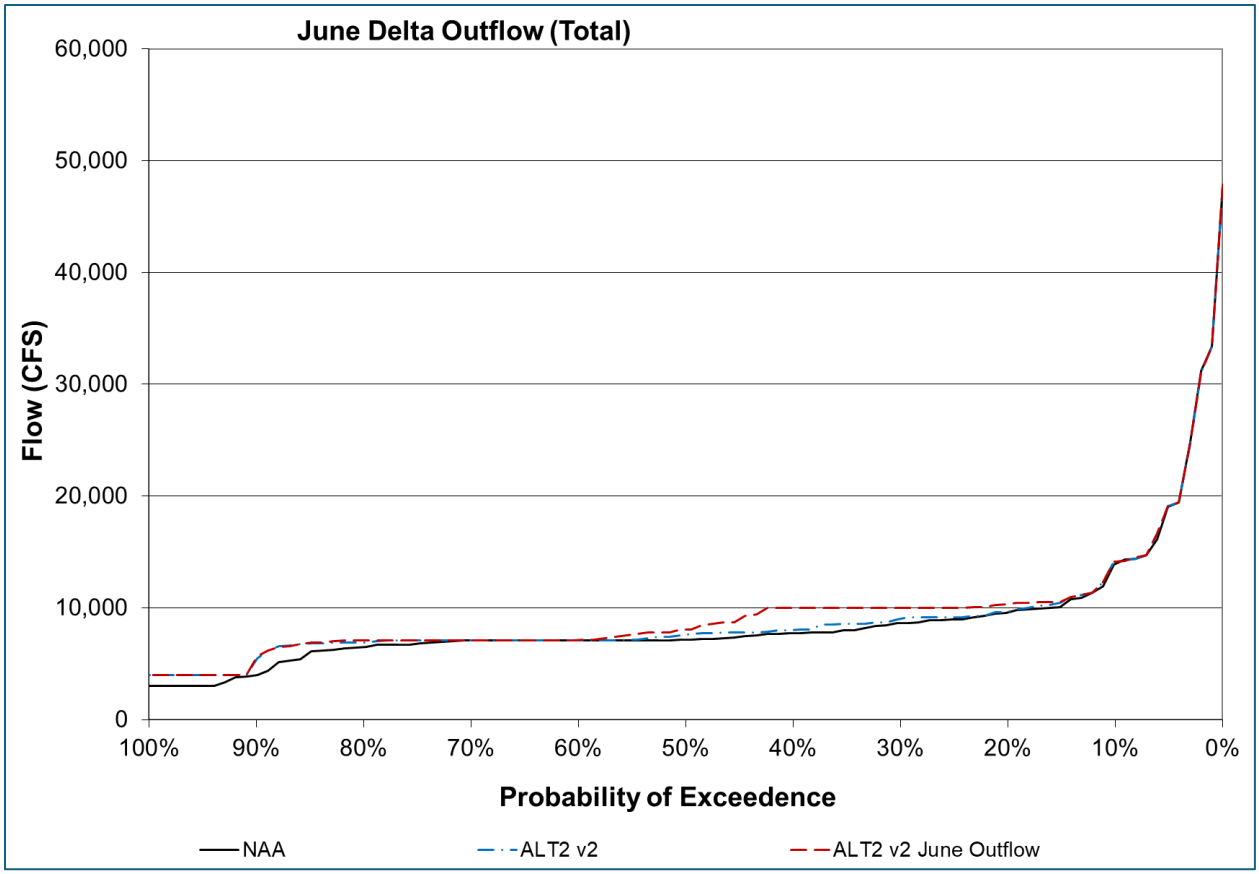
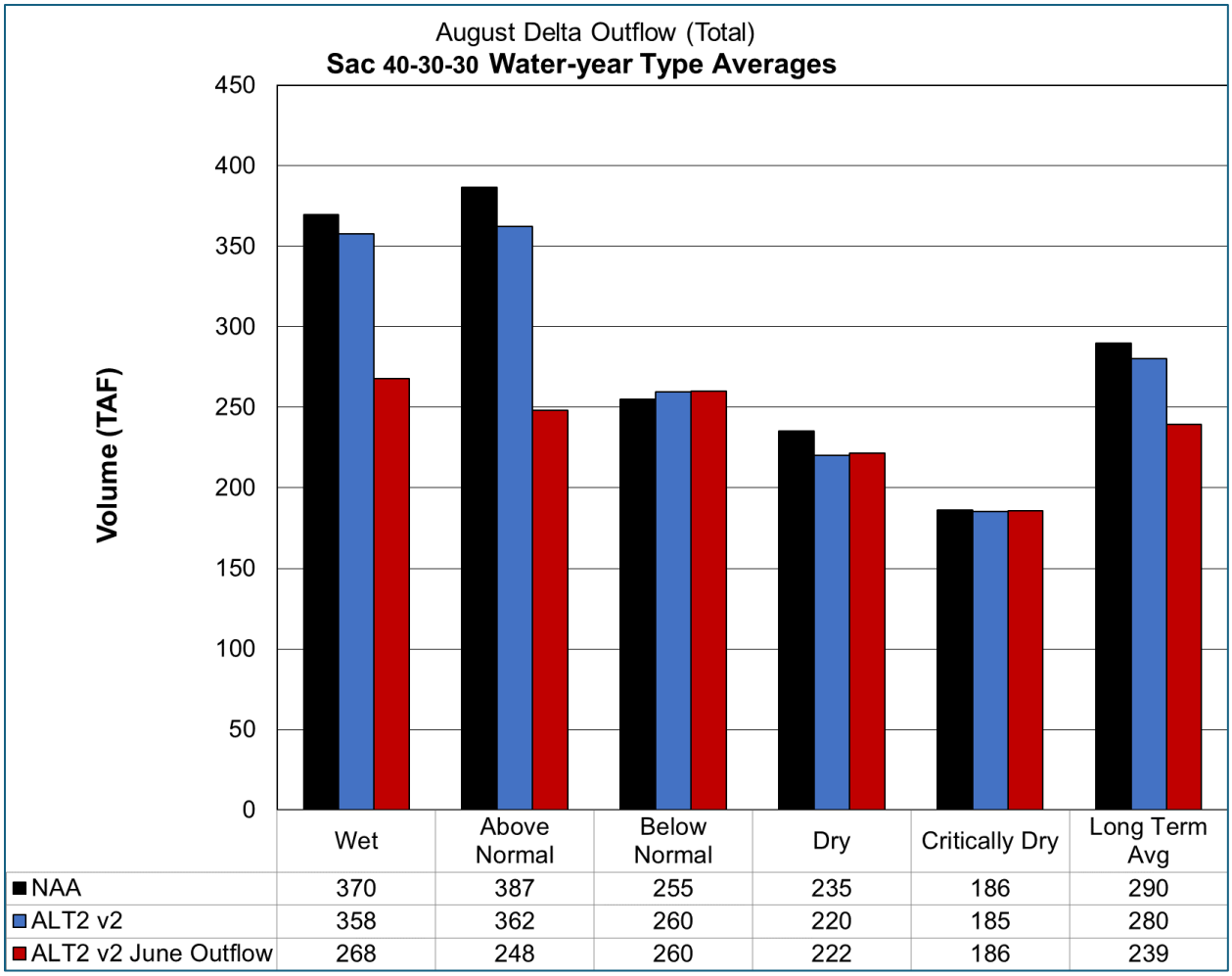


Figure 16. June Delta Outflow Probability of Exceedance



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	370	387	255	235	186	290
ALT2 v2	358	362	260	220	185	280
ALT2 v2 June Outflow	268	248	260	222	186	239

Figure 17. August Delta Outflow Volumes by Water Year Type

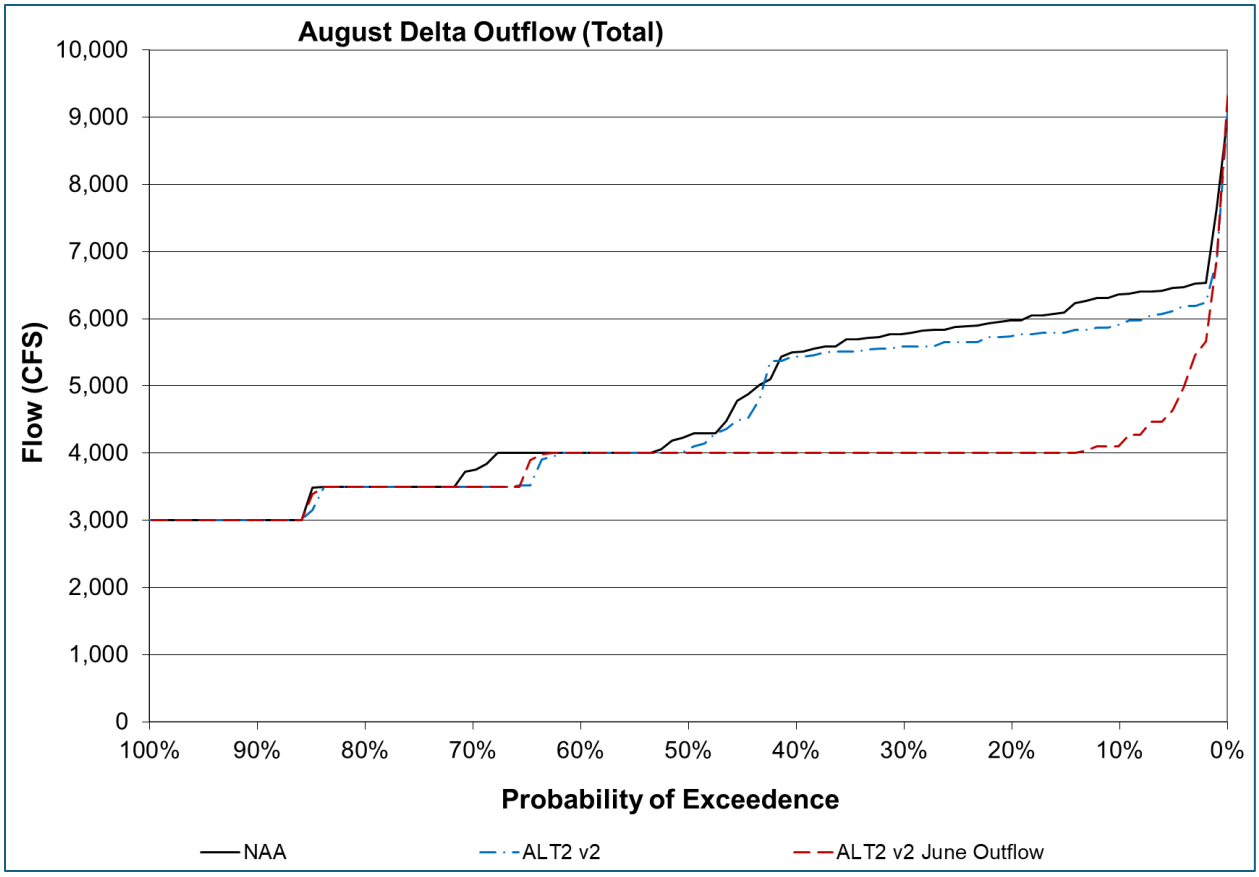
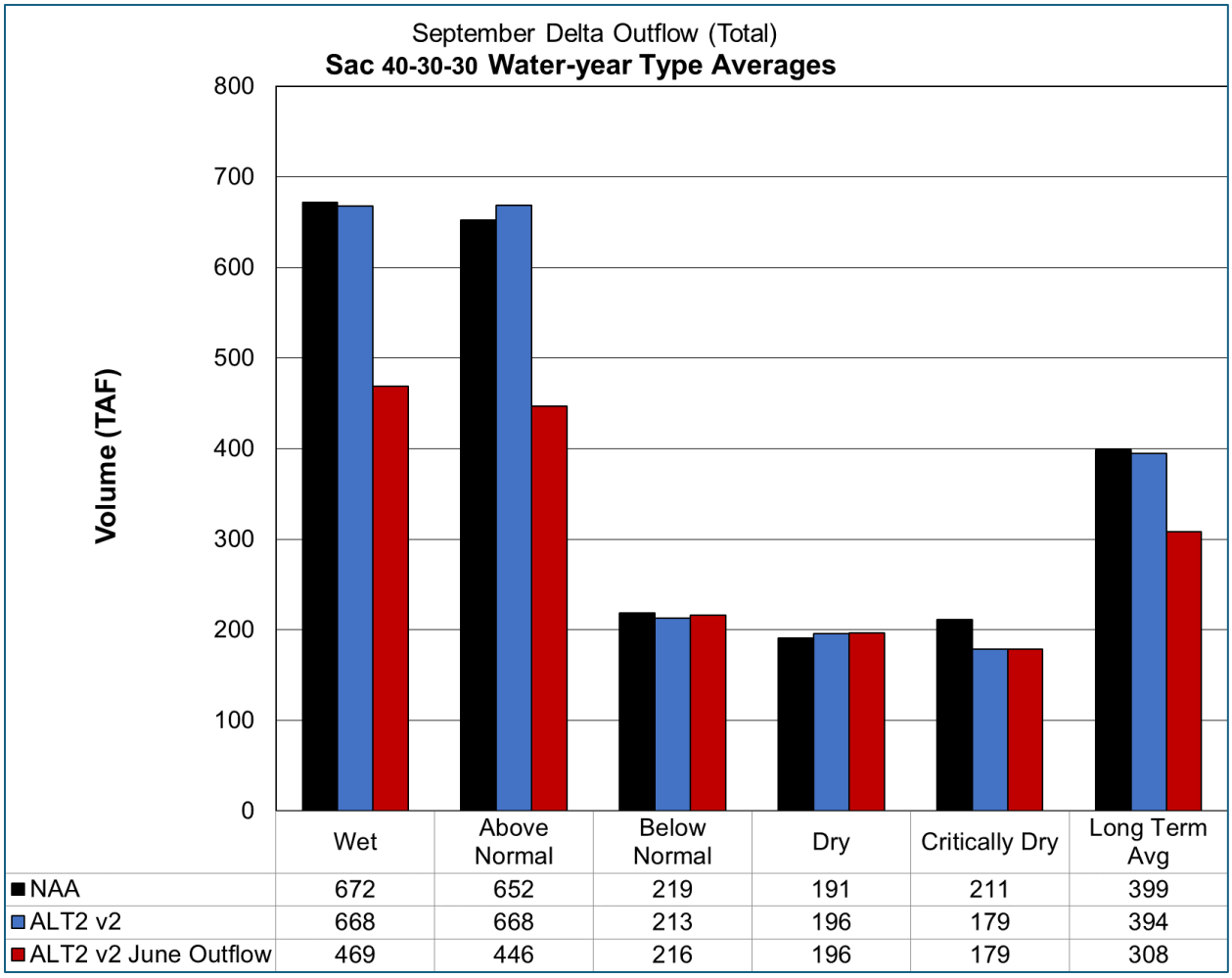


Figure 18. August Delta Outflow Probability of Exceedance



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	672	652	219	191	211	399
ALT2 v2	668	668	213	196	179	394
ALT2 v2 June Outflow	469	446	216	196	179	308

Figure 19. September Delta Outflow Volumes by Water Year Type

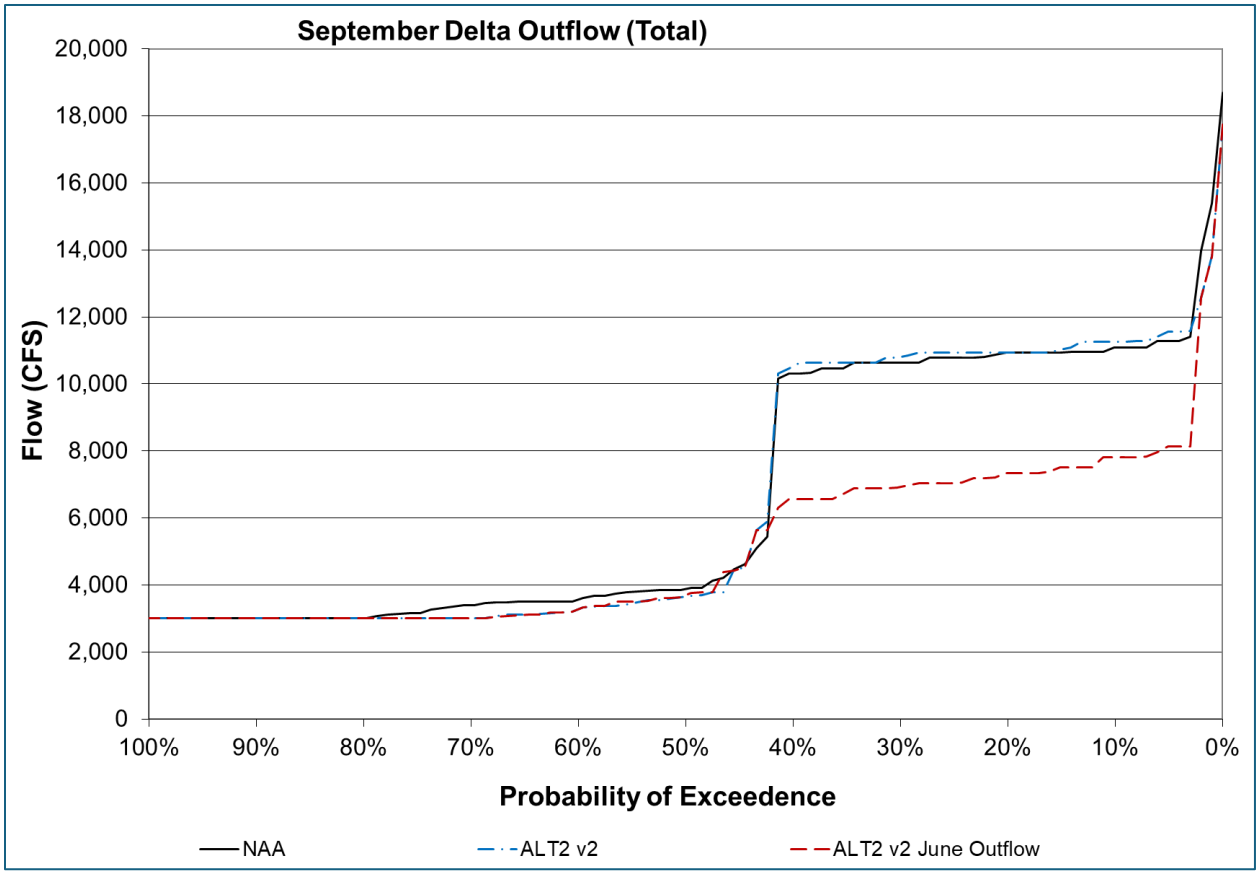


Figure 20. September Delta Outflow Probability of Exceedance

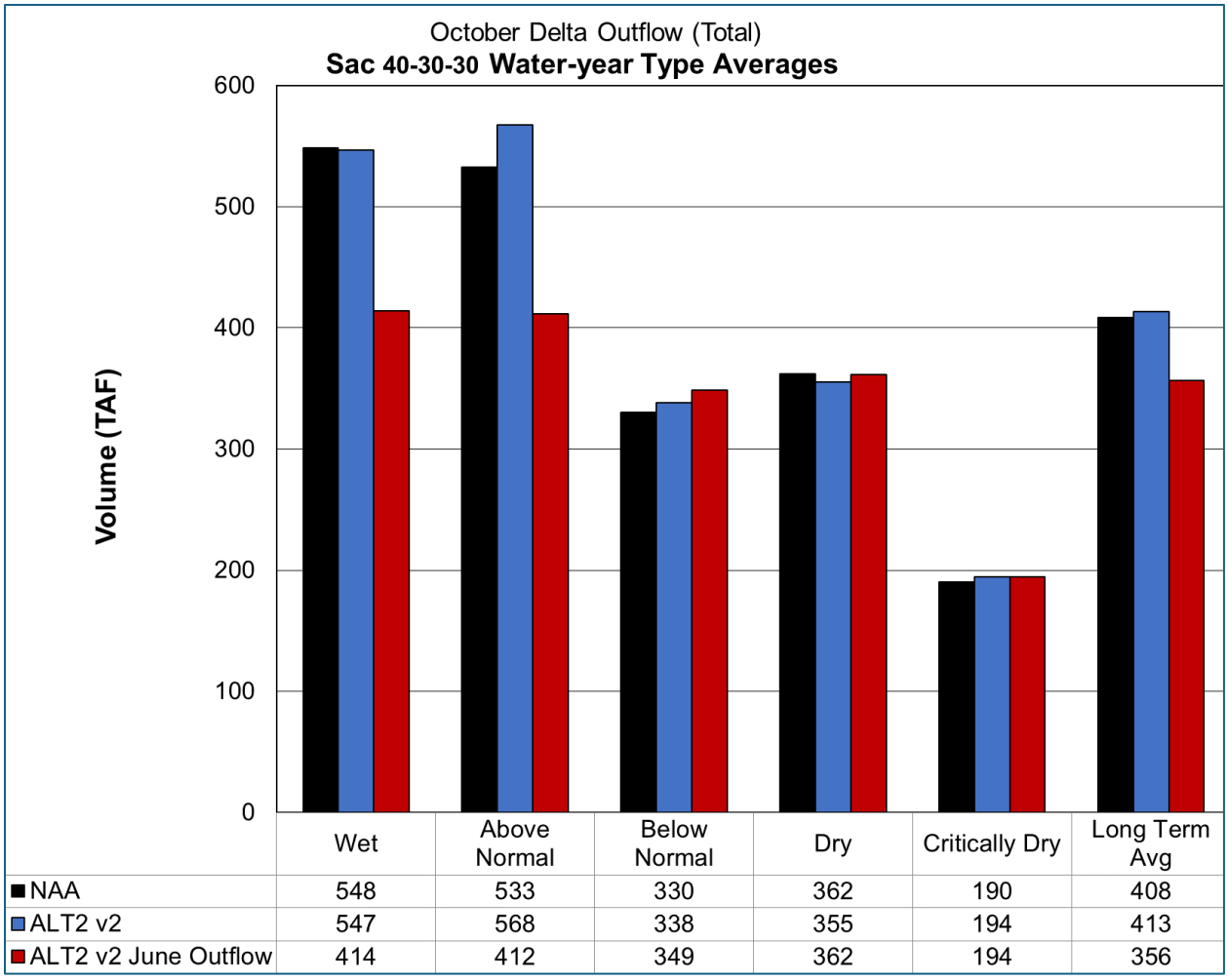


Figure 21. October Delta Outflow Volumes by Water Year Type

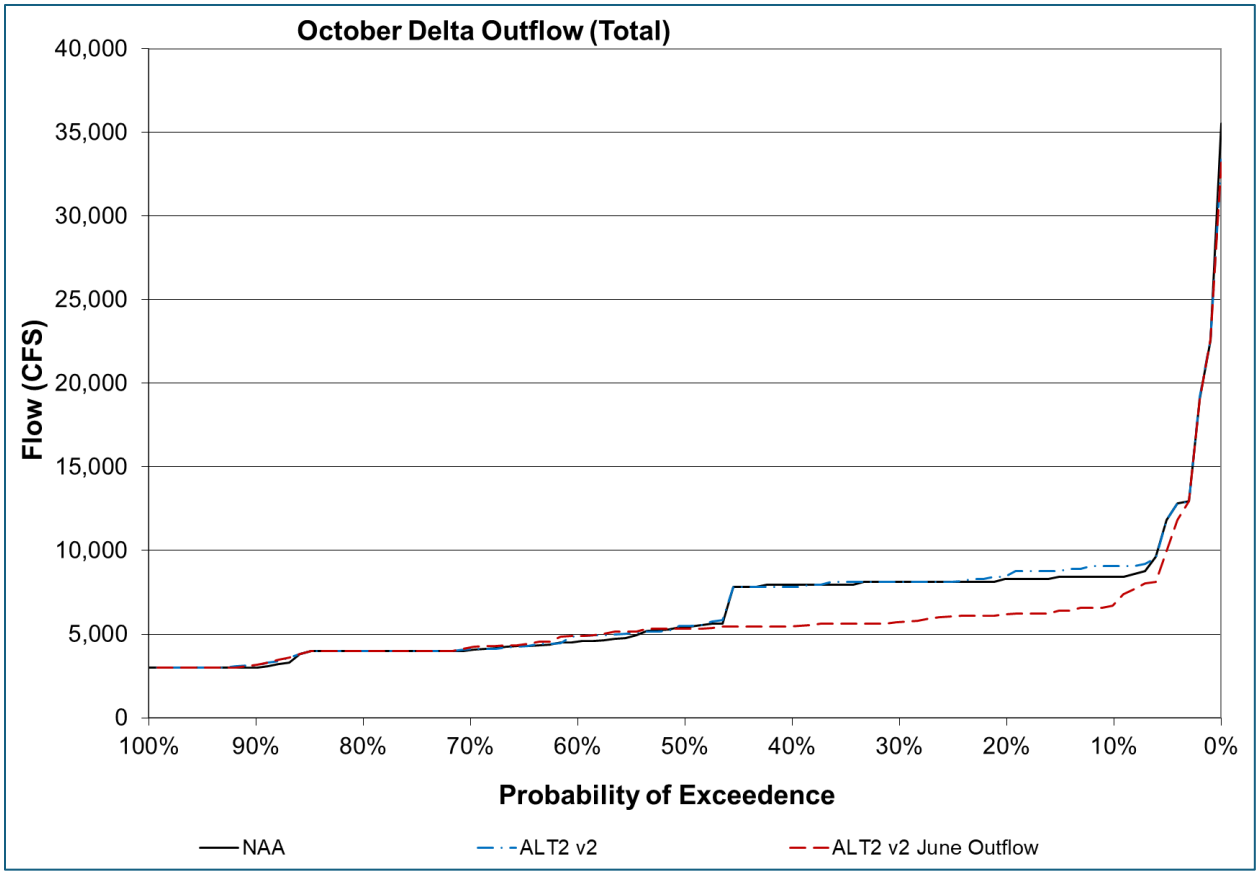
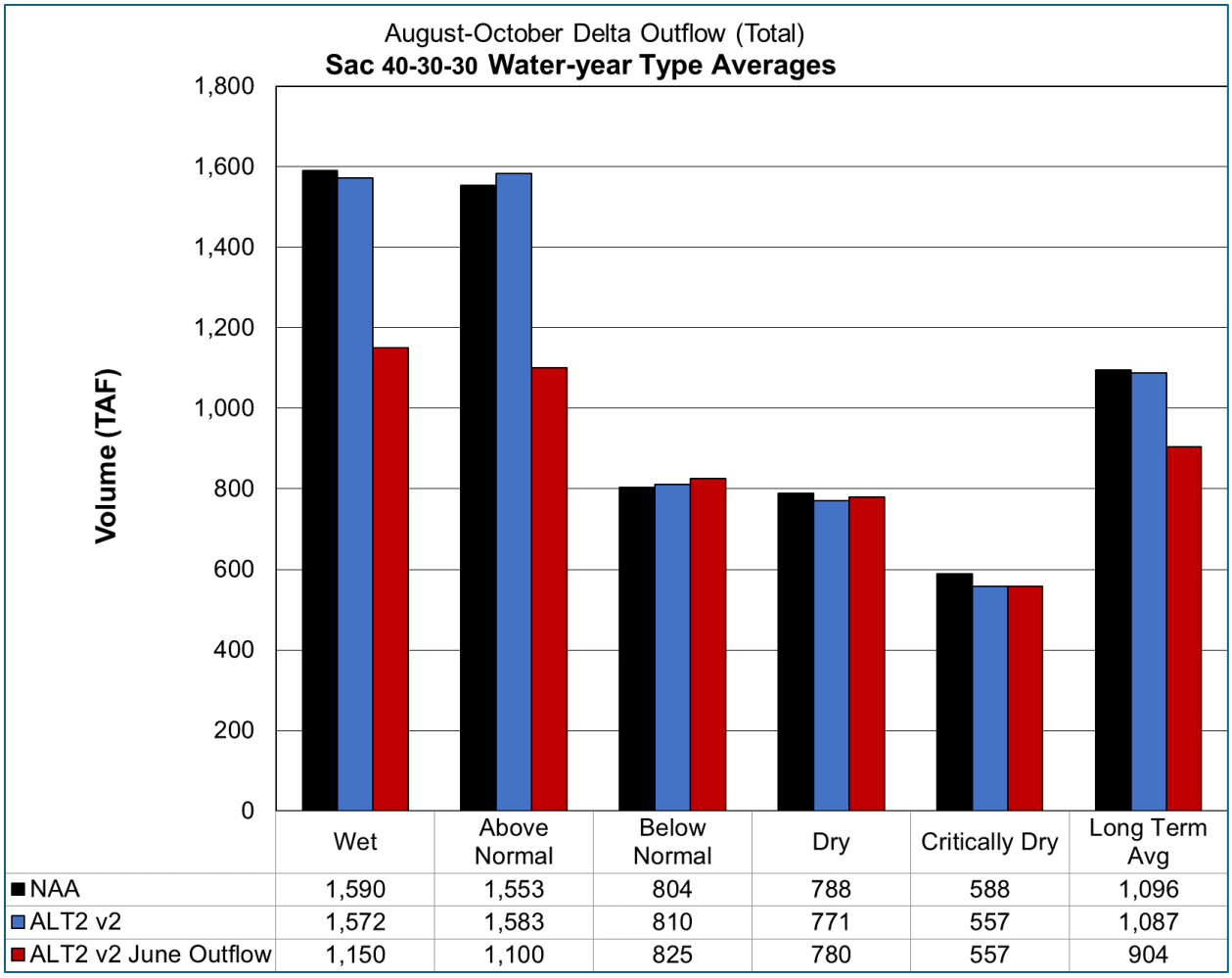


Figure 22. October Delta Outflow Probability of Exceedance



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	1,590	1,553	804	788	588	1,096
ALT2 v2	1,572	1,583	810	771	557	1,087
ALT2 v2 June Outflow	1,150	1,100	825	780	557	904

Figure 23. August through October Delta Outflow by Water Year Type

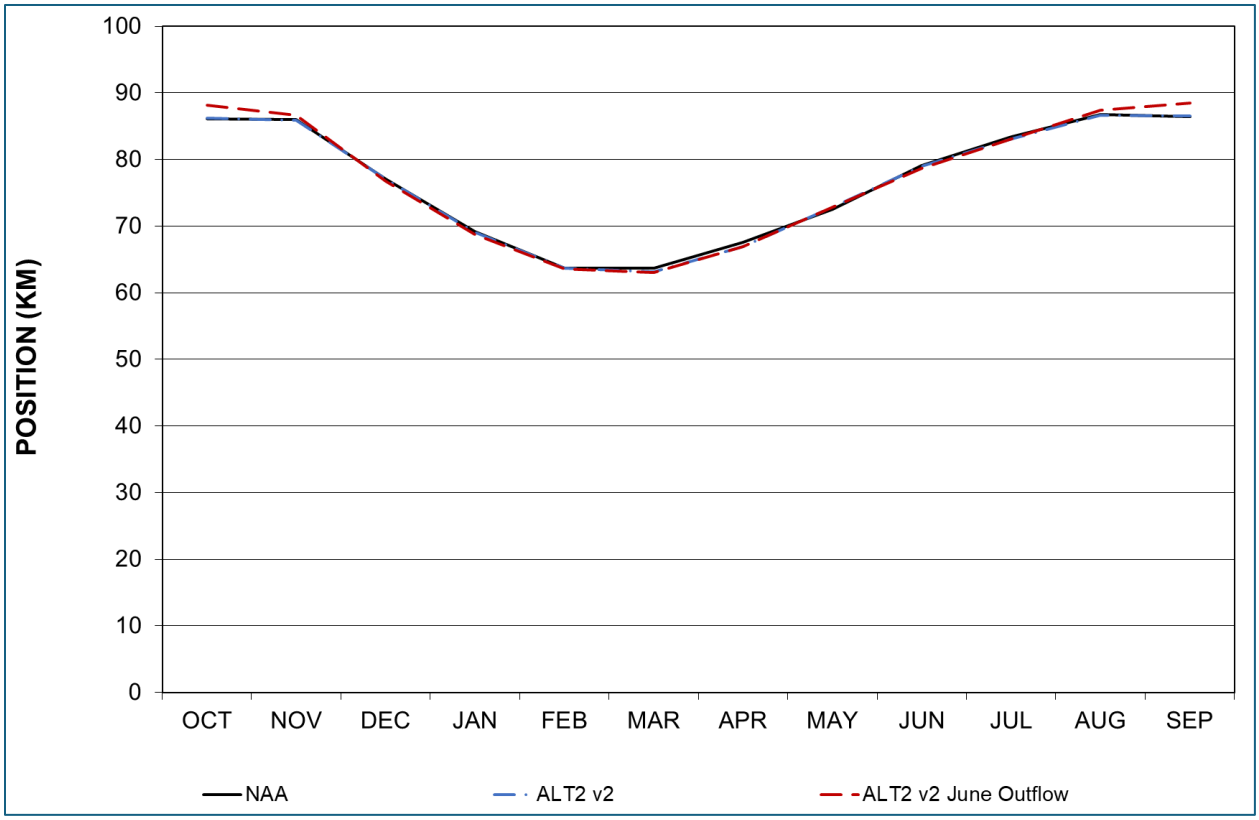


Figure 24. X2 Position Monthly Pattern

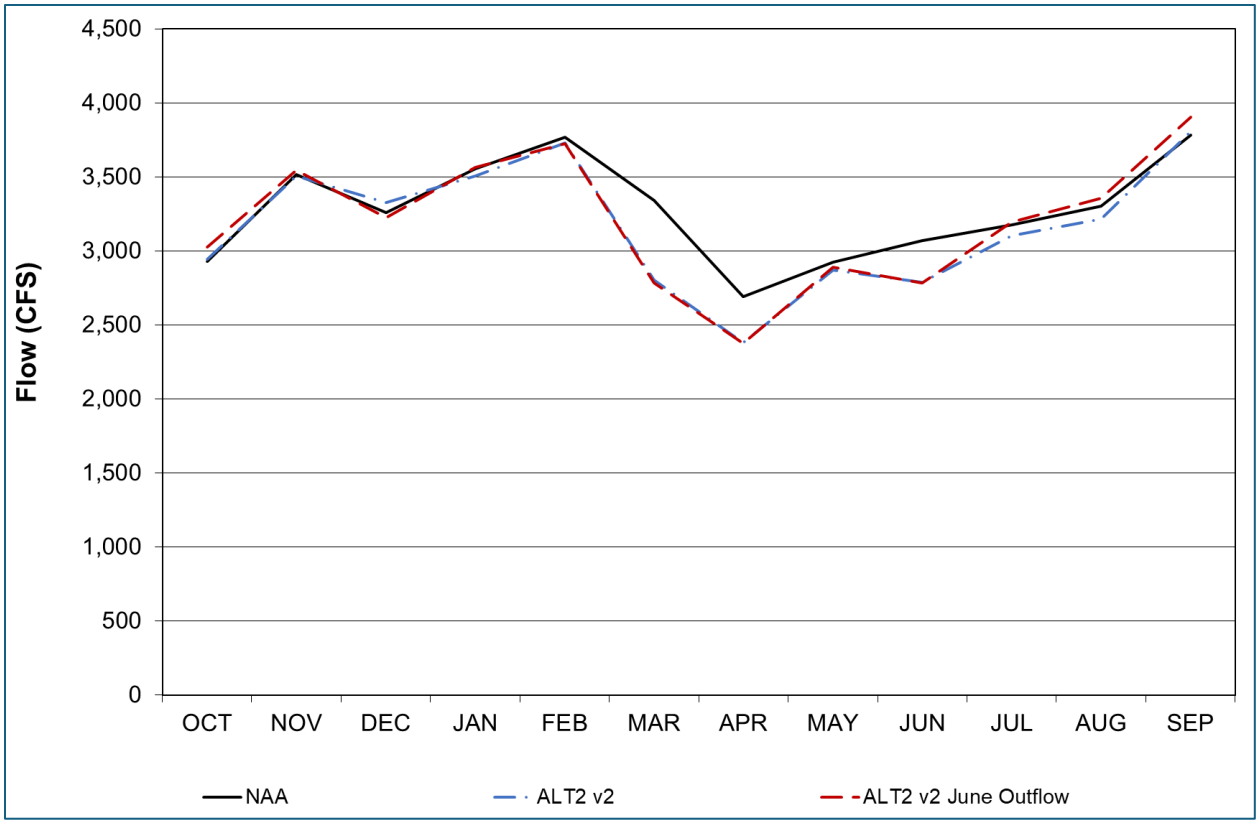


Figure 25. Jones Exports Monthly Pattern

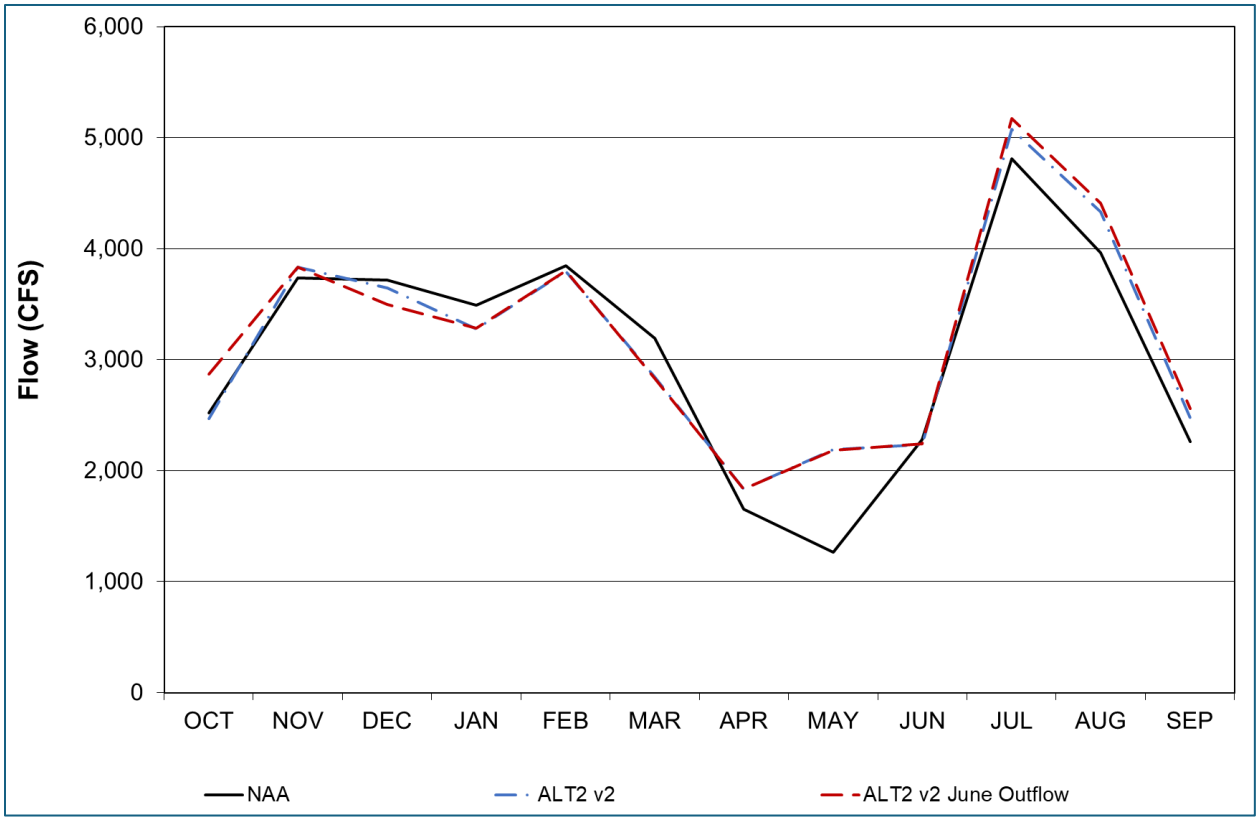
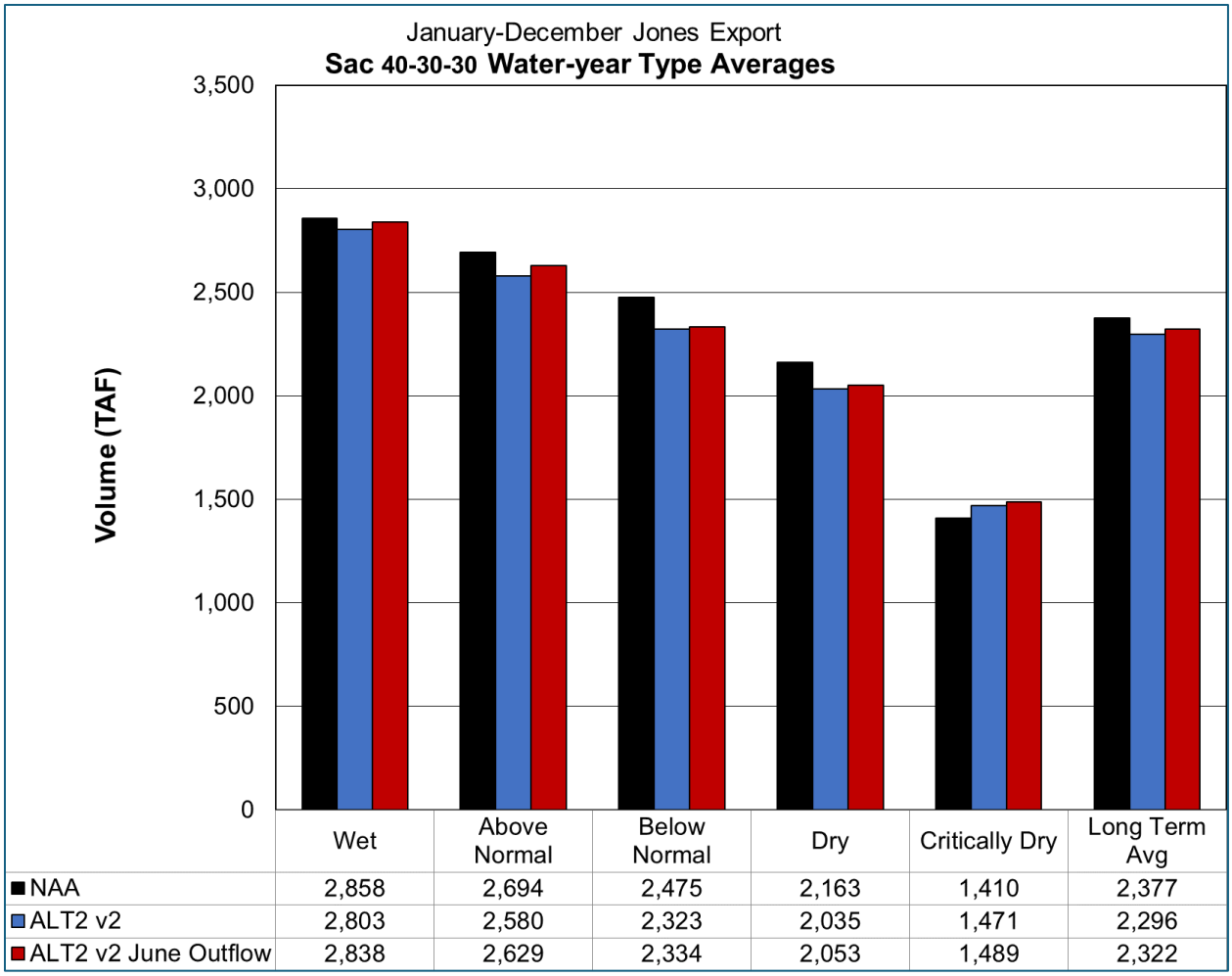


Figure 26. Banks Export State Water Project Monthly Pattern



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	2,858	2,694	2,475	2,163	1,410	2,377
ALT2 v2	2,803	2,580	2,323	2,035	1,471	2,296
ALT2 v2 June Outflow	2,838	2,629	2,334	2,053	1,489	2,322

Figure 27. Total Exports State Water Project and Central Valley Project by Water Year Type

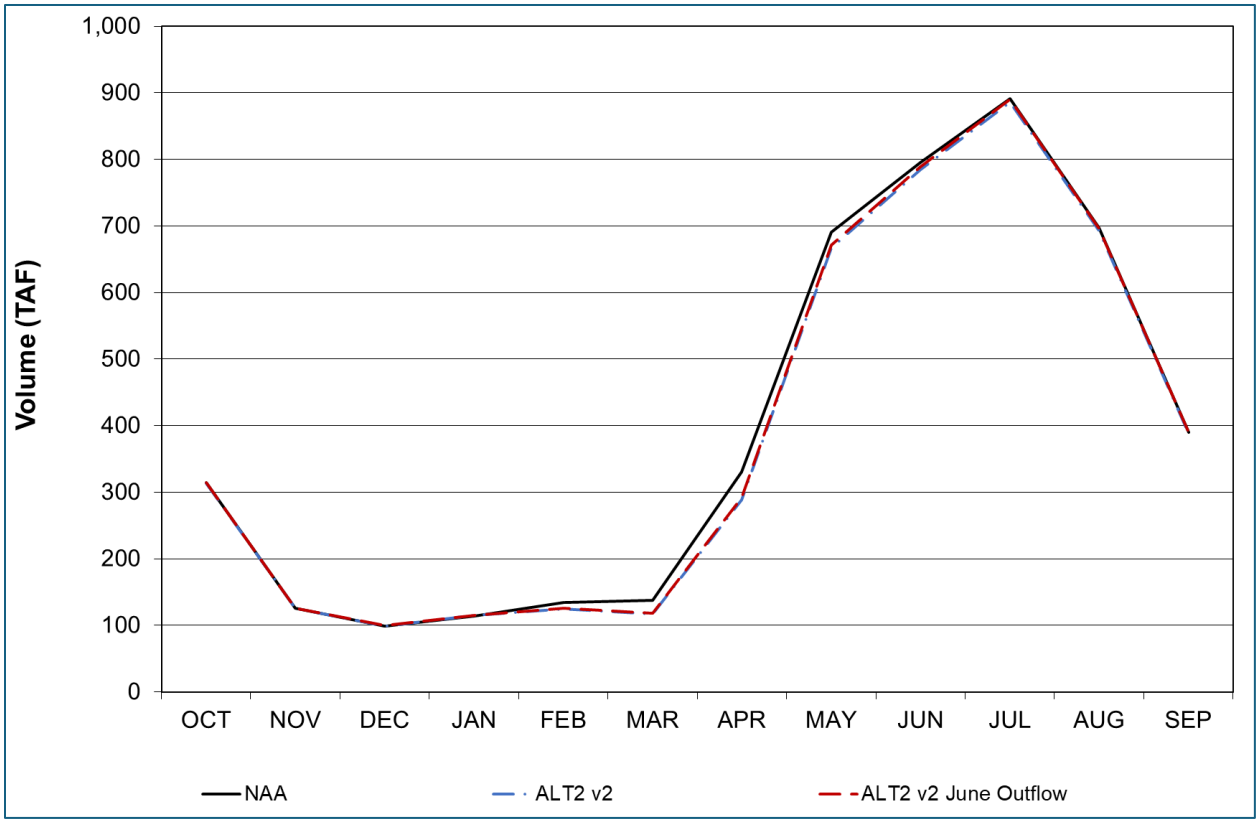
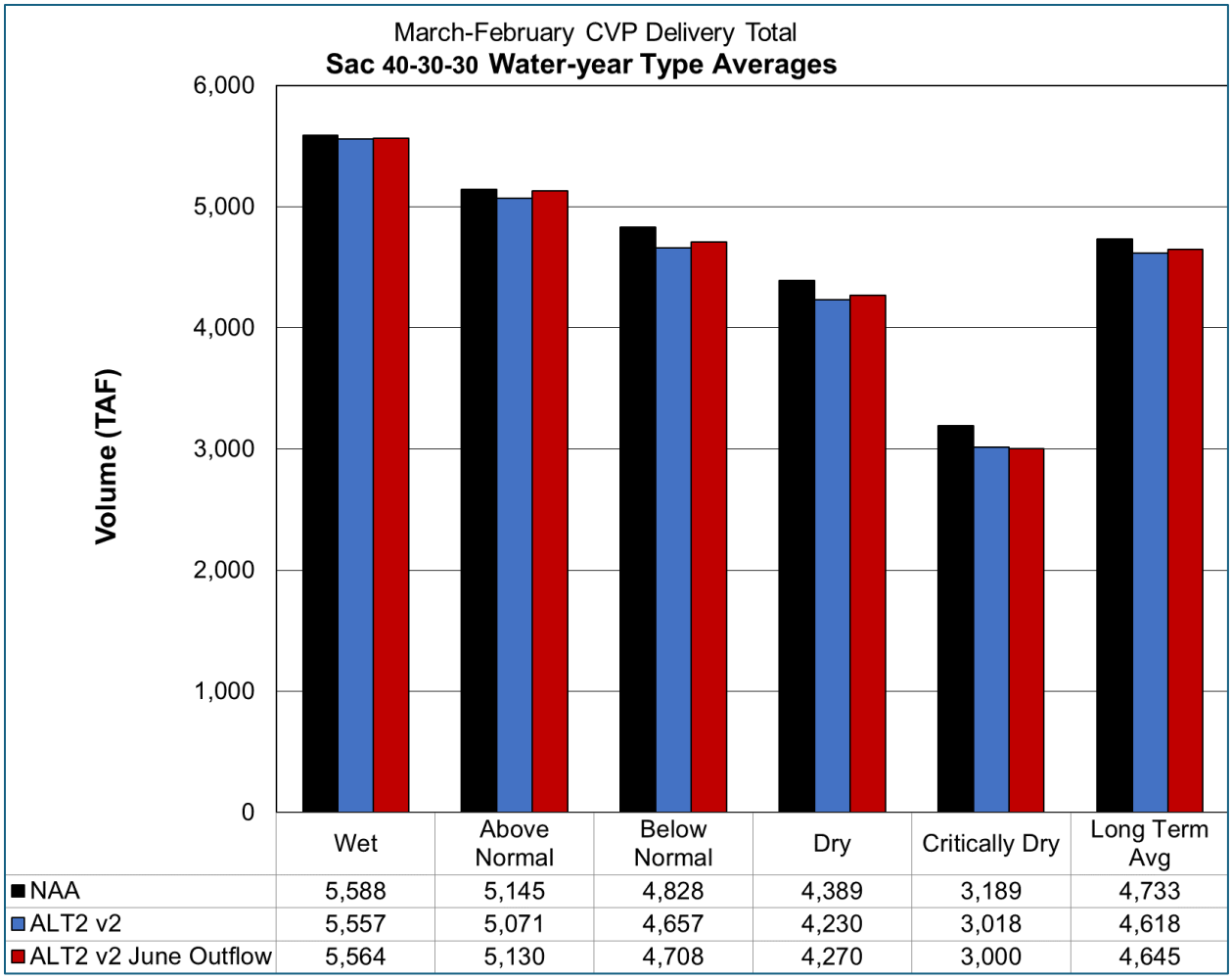


Figure 28. Central Valley Project Delivery Total Monthly Pattern



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	5,588	5,145	4,828	4,389	3,189	4,733
ALT2 v2	5,557	5,071	4,657	4,230	3,018	4,618
ALT2 v2 June Outflow	5,564	5,130	4,708	4,270	3,000	4,645

Figure 29. Central Valley Project Delivery Total Volumes by Water Year Type

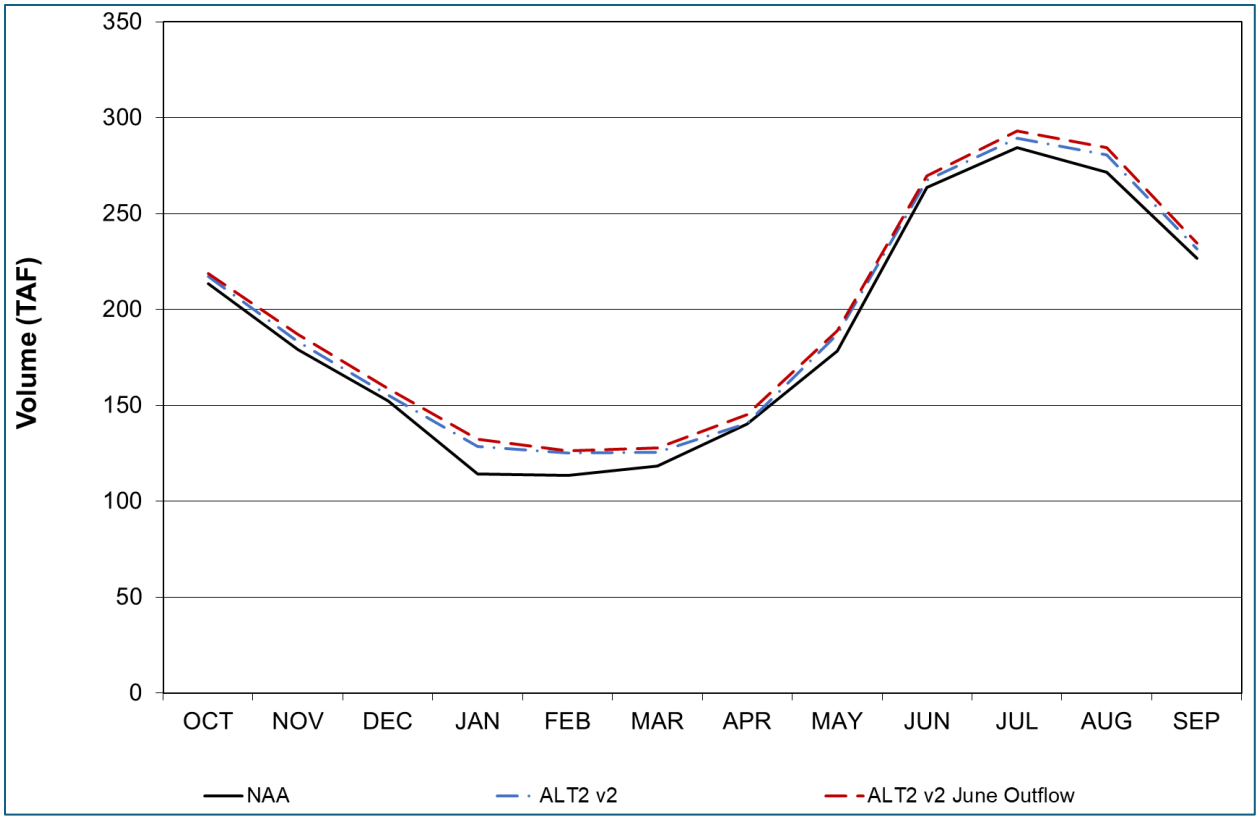
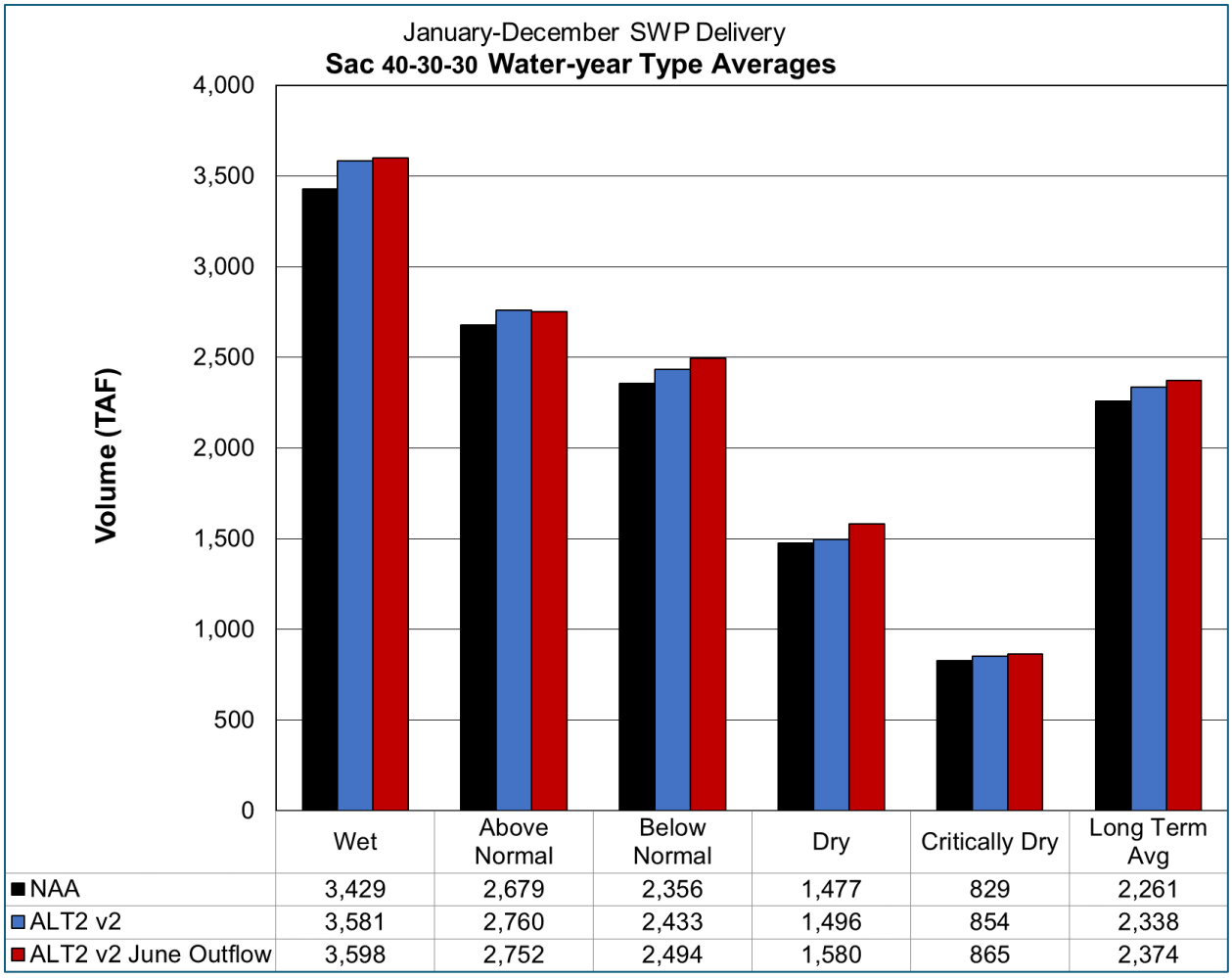


Figure 30. State Water Project Delivery Total Monthly Pattern



	Wet	Above Normal	Below Normal	Dry	Critically Dry	Long Term Avg
NAA	3,429	2,679	2,356	1,477	829	2,261
ALT2 v2	3,581	2,760	2,433	1,496	854	2,338
ALT2 v2 June Outflow	3,598	2,752	2,494	1,580	865	2,374

Figure 31. State Water Project Delivery Total Volumes by Water Year Type

June Delta Outflow Action Sensitivity Analysis

Attachment 2-1 CalSim 3–Elevation

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)
- Alt2woTUCPDeltaVA 091324 (Alt2v2)
- Alt2woTUCPDeltaVA 100424 June Habitat (Alt2v2 June Habitat)

Table 2.1-1. Output Parameters, Table Numbers, and Figure Numbers

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
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

Section	Output Parameters	Table Numbers	Figure Numbers
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

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.2.1-1-1a. 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, ALT2v2, 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.2.1-1-1c. Trinity Lake Storage, ALT2v2 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.2.1-1-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

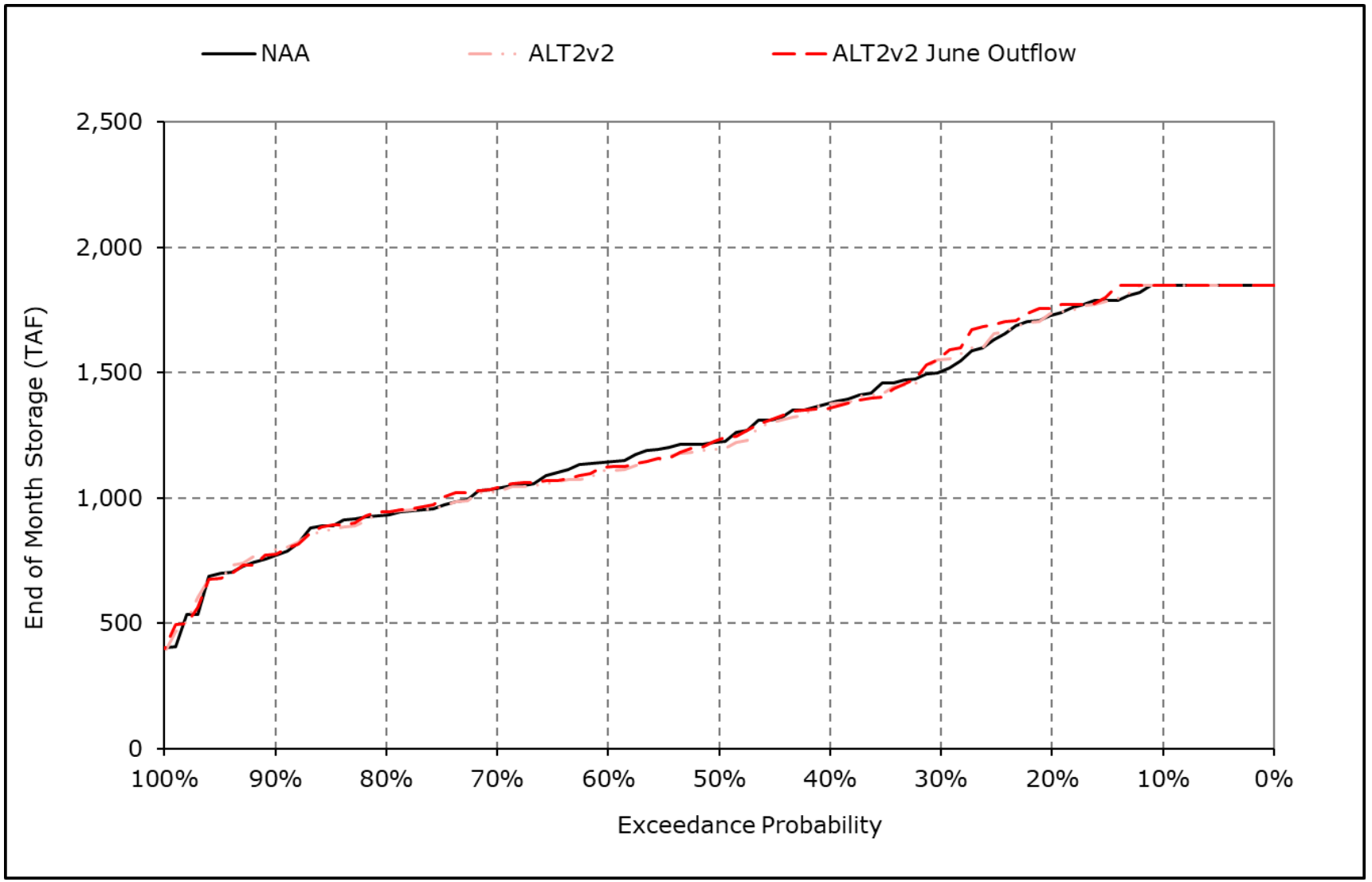
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,850	1,795	1,850	1,900	2,000	2,100	2,300	2,283	2,228	2,167	1,994	1,935
20% Exceedance	1,760	1,743	1,803	1,900	2,000	2,100	2,240	2,181	2,068	1,997	1,884	1,783
30% Exceedance	1,562	1,592	1,705	1,787	1,951	2,093	2,203	2,047	1,956	1,890	1,718	1,621
40% Exceedance	1,359	1,405	1,565	1,702	1,850	1,967	2,119	1,988	1,894	1,746	1,534	1,423
50% Exceedance	1,233	1,291	1,444	1,607	1,740	1,837	1,927	1,853	1,776	1,573	1,409	1,254
60% Exceedance	1,123	1,165	1,350	1,434	1,619	1,742	1,866	1,757	1,628	1,454	1,279	1,148
70% Exceedance	1,043	1,058	1,106	1,252	1,434	1,581	1,729	1,626	1,556	1,348	1,172	1,054
80% Exceedance	944	957	979	1,107	1,255	1,399	1,500	1,438	1,324	1,236	1,104	988
90% Exceedance	776	790	830	931	1,057	1,144	1,198	1,115	1,026	937	859	795
Full Simulation Period Average[a]	1,282	1,301	1,387	1,494	1,624	1,744	1,863	1,782	1,701	1,583	1,433	1,319
Wet Water Years (28%)	1,670	1,665	1,711	1,754	1,943	2,059	2,236	2,188	2,100	1,998	1,868	1,747
Above Normal Water Years (14%)	1,509	1,535	1,598	1,664	1,830	1,998	2,158	2,070	1,986	1,865	1,685	1,551
Below Normal Water Years (18%)	1,235	1,266	1,362	1,544	1,650	1,780	1,906	1,801	1,729	1,591	1,403	1,272
Dry Water Years (24%)	1,068	1,107	1,251	1,376	1,487	1,614	1,700	1,600	1,513	1,363	1,205	1,096
Critical Water Years (16%)	732	742	814	1,007	1,061	1,123	1,147	1,069	1,007	933	831	758

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

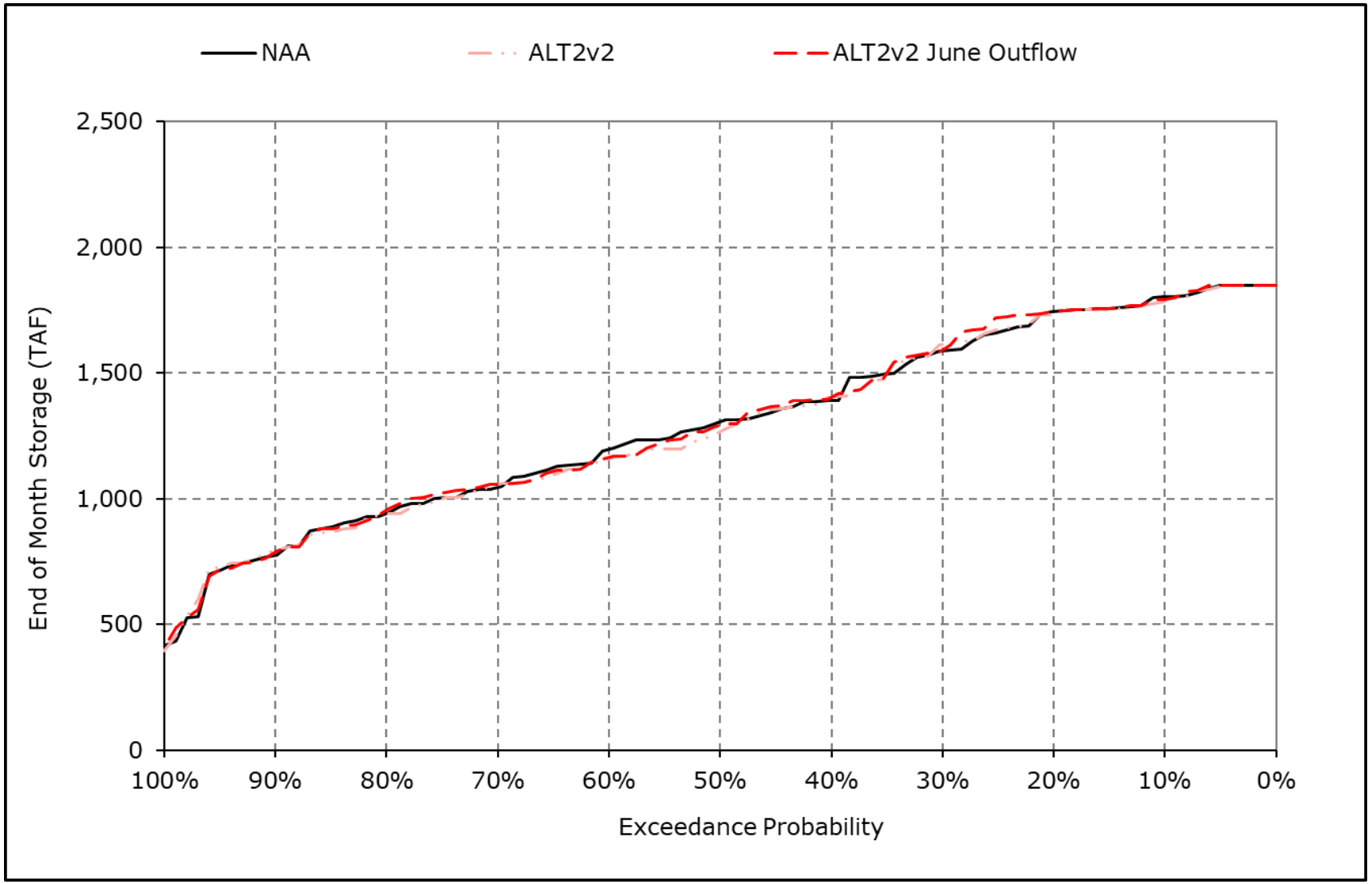
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-8	0	0	0	0	0	-3	-5	-4	-58	10
20% Exceedance	31	0	24	2	0	0	-8	-1	4	11	-5	11
30% Exceedance	56	5	9	-11	4	-7	-1	-8	-41	7	3	38
40% Exceedance	-20	16	-10	-23	-19	-17	-5	-22	-3	-7	-41	-13
50% Exceedance	10	-14	8	-18	28	7	-8	-13	-3	-14	-27	-6
60% Exceedance	-20	-31	-15	-9	34	8	25	5	-8	-37	-24	-15
70% Exceedance	5	14	-28	4	9	-36	2	-1	6	15	24	15
80% Exceedance	12	14	-4	-6	-7	4	5	-19	-26	12	27	15
90% Exceedance	5	16	-6	-2	-24	-14	26	-18	7	-16	-3	1
Full Simulation Period Average[a]	3	2	0	-2	1	-2	-1	-7	-2	-6	-8	-1
Wet Water Years (28%)	14	7	2	-10	-3	-2	-3	-6	-5	-10	-12	2
Above Normal Water Years (14%)	13	17	18	3	-7	-7	-6	-9	-7	-15	-17	5
Below Normal Water Years (18%)	-28	-29	-30	9	10	8	6	-16	-11	-10	-29	-26
Dry Water Years (24%)	8	8	7	-9	-5	-5	-7	-6	0	-1	6	7
Critical Water Years (16%)	5	5	5	3	11	0	7	4	12	6	9	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.



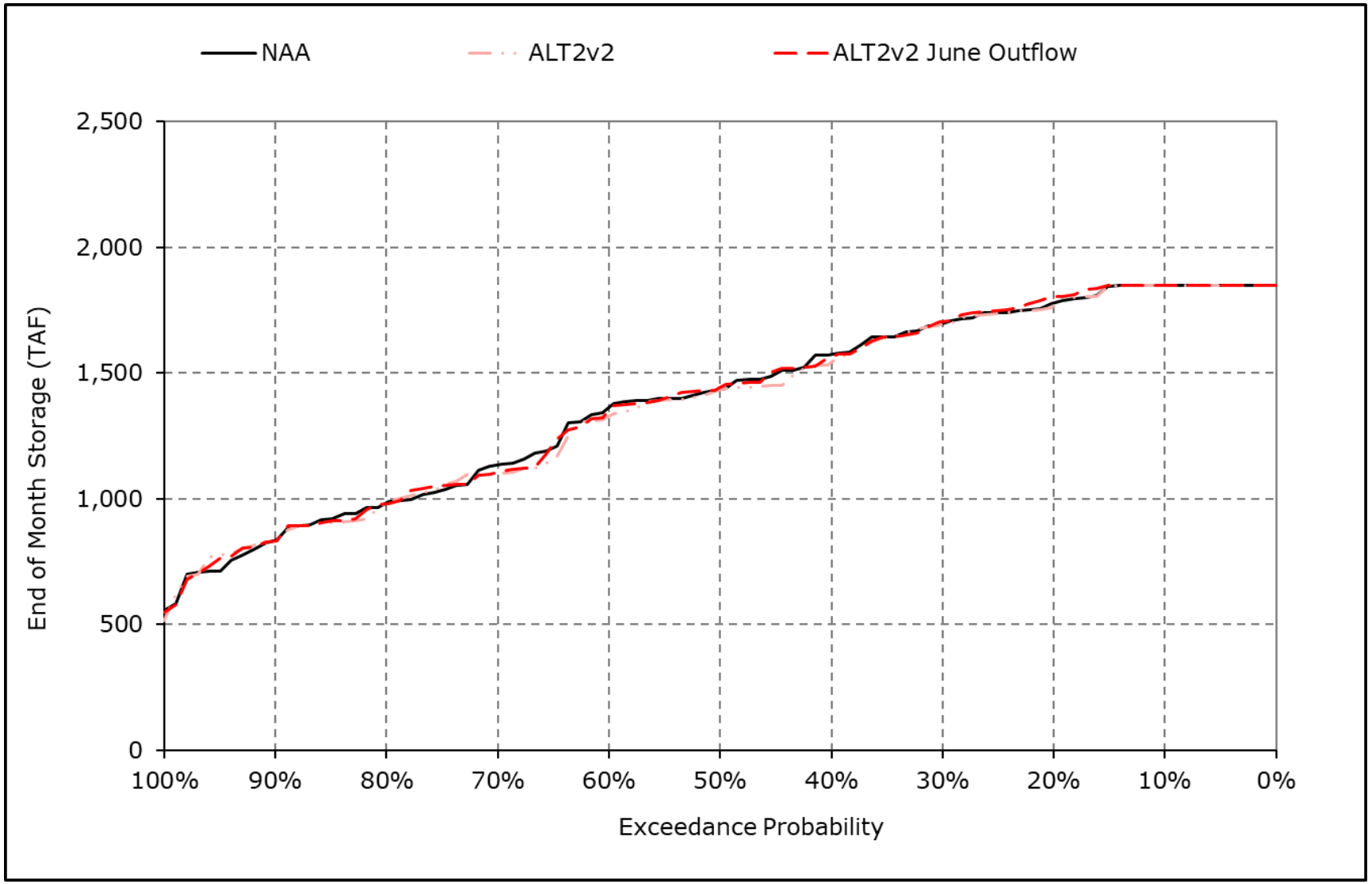
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



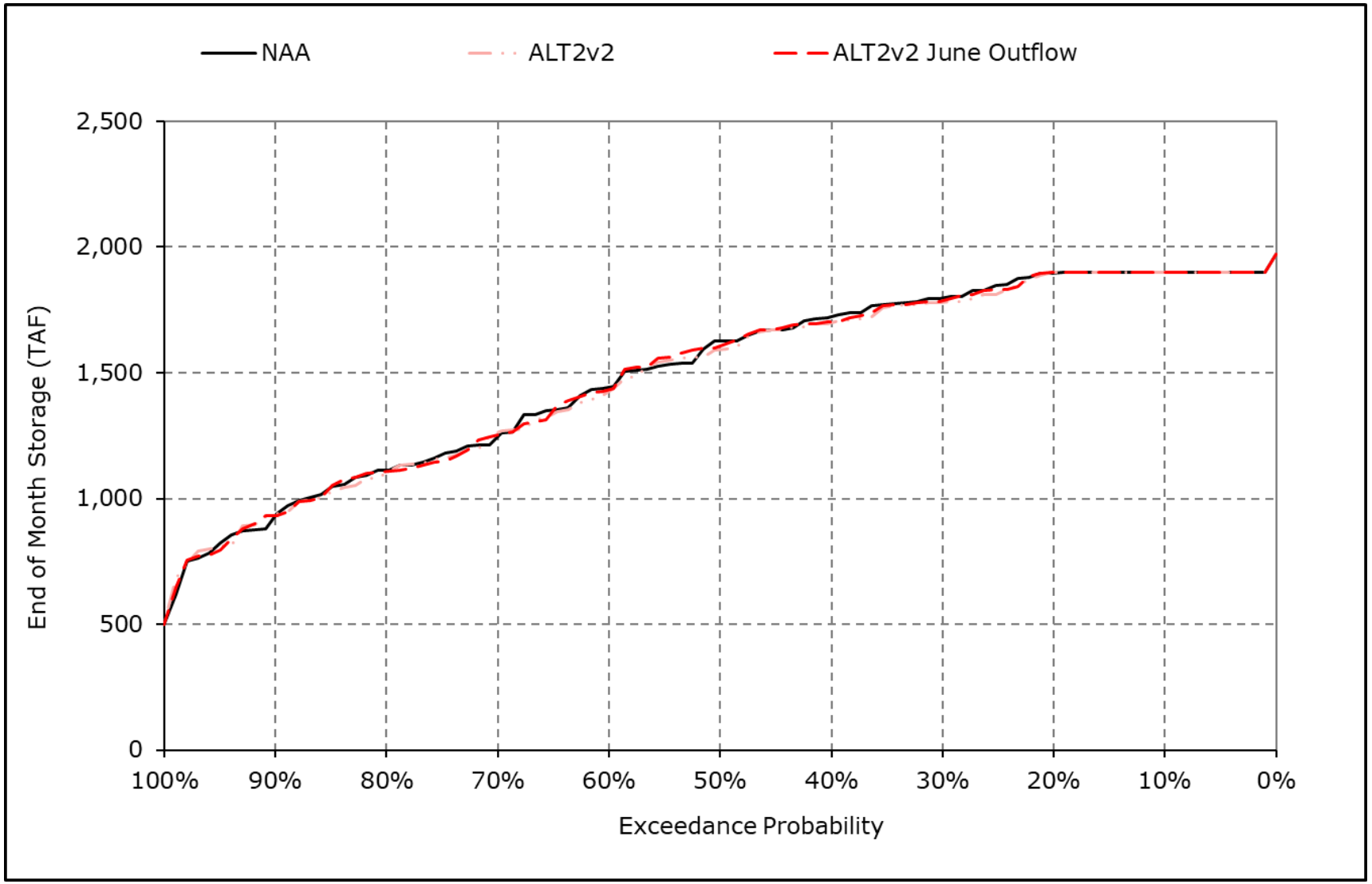
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



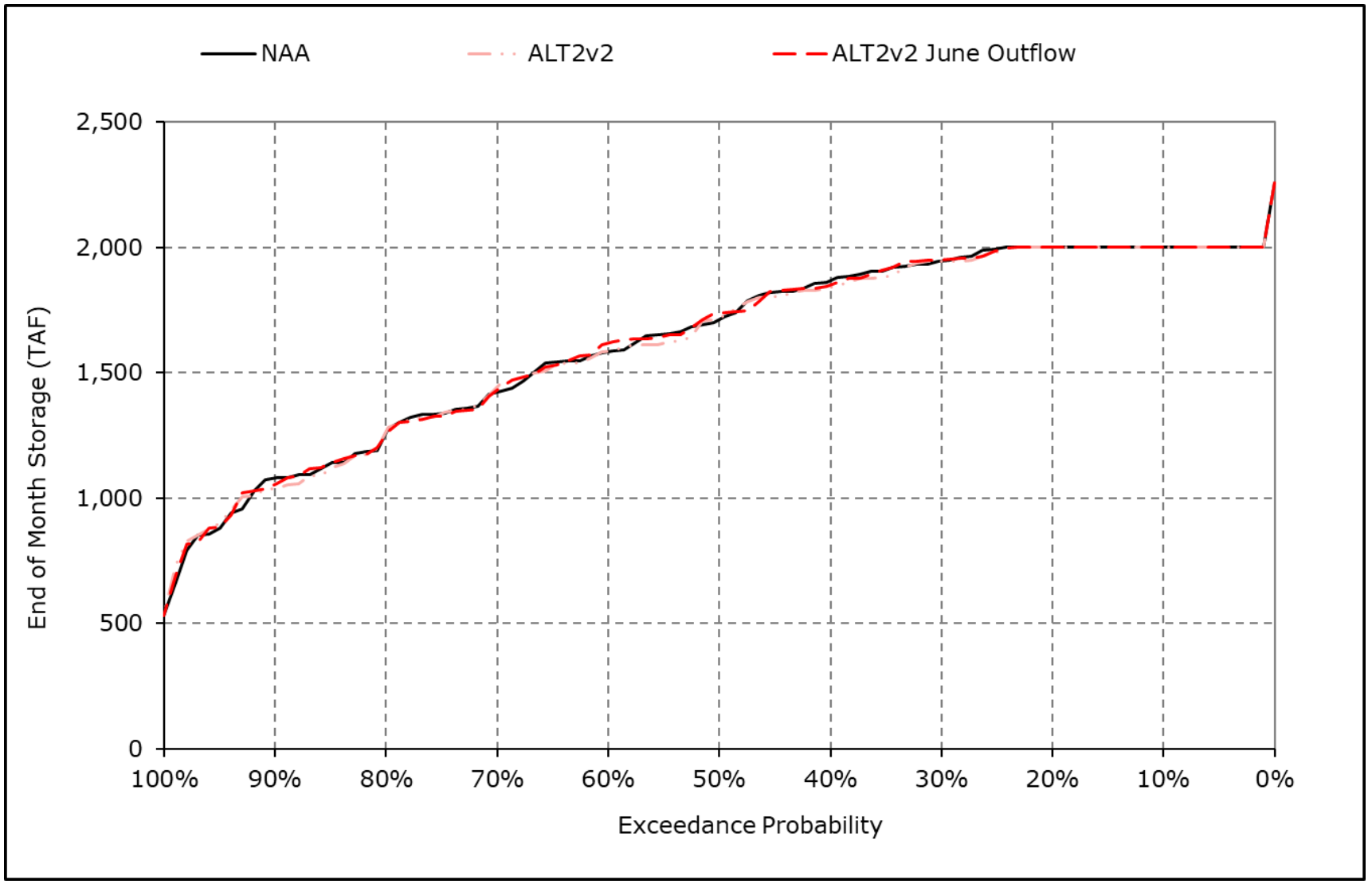
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



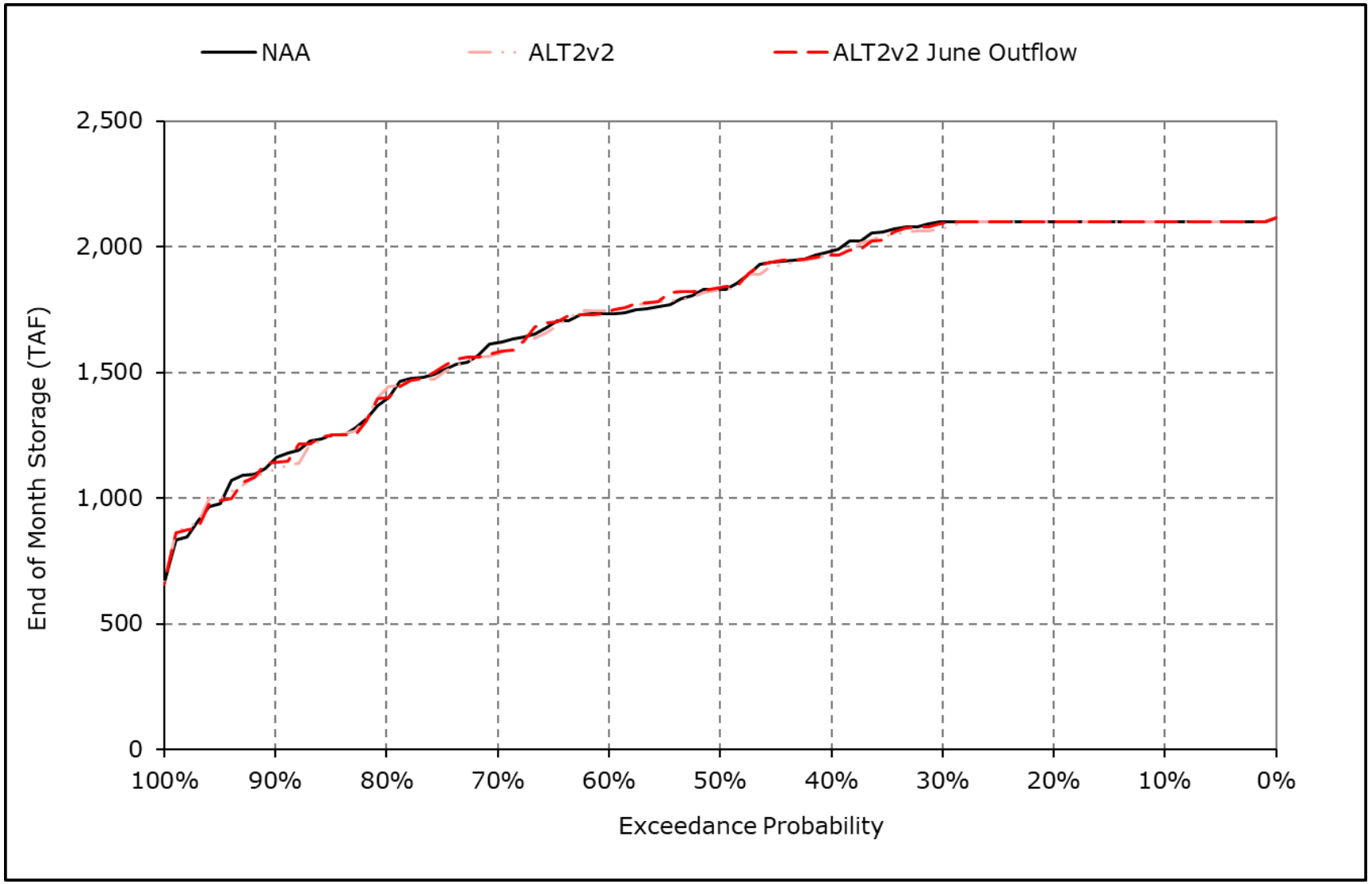
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-1-4. Trinity Lake Storage, January



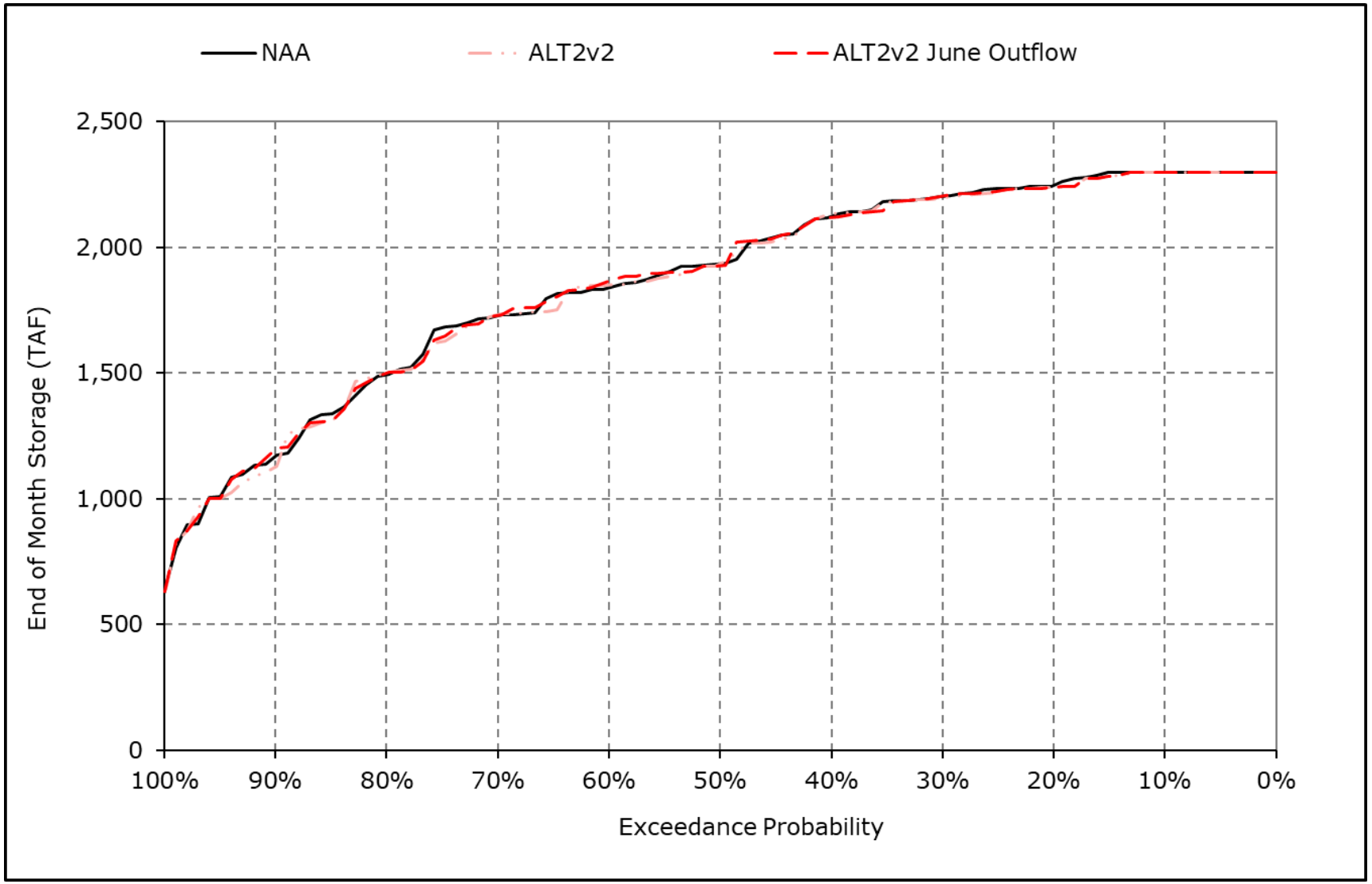
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



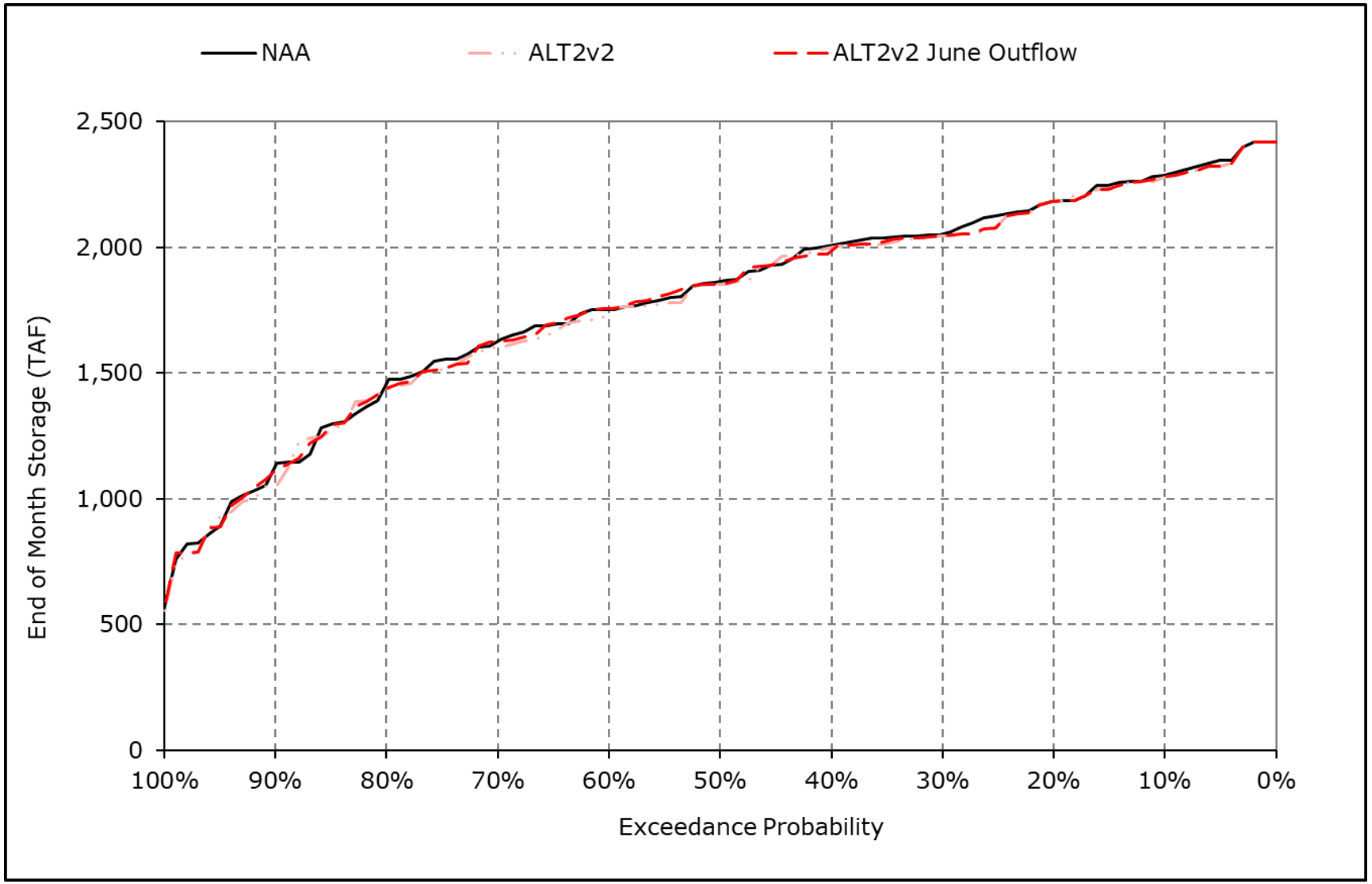
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



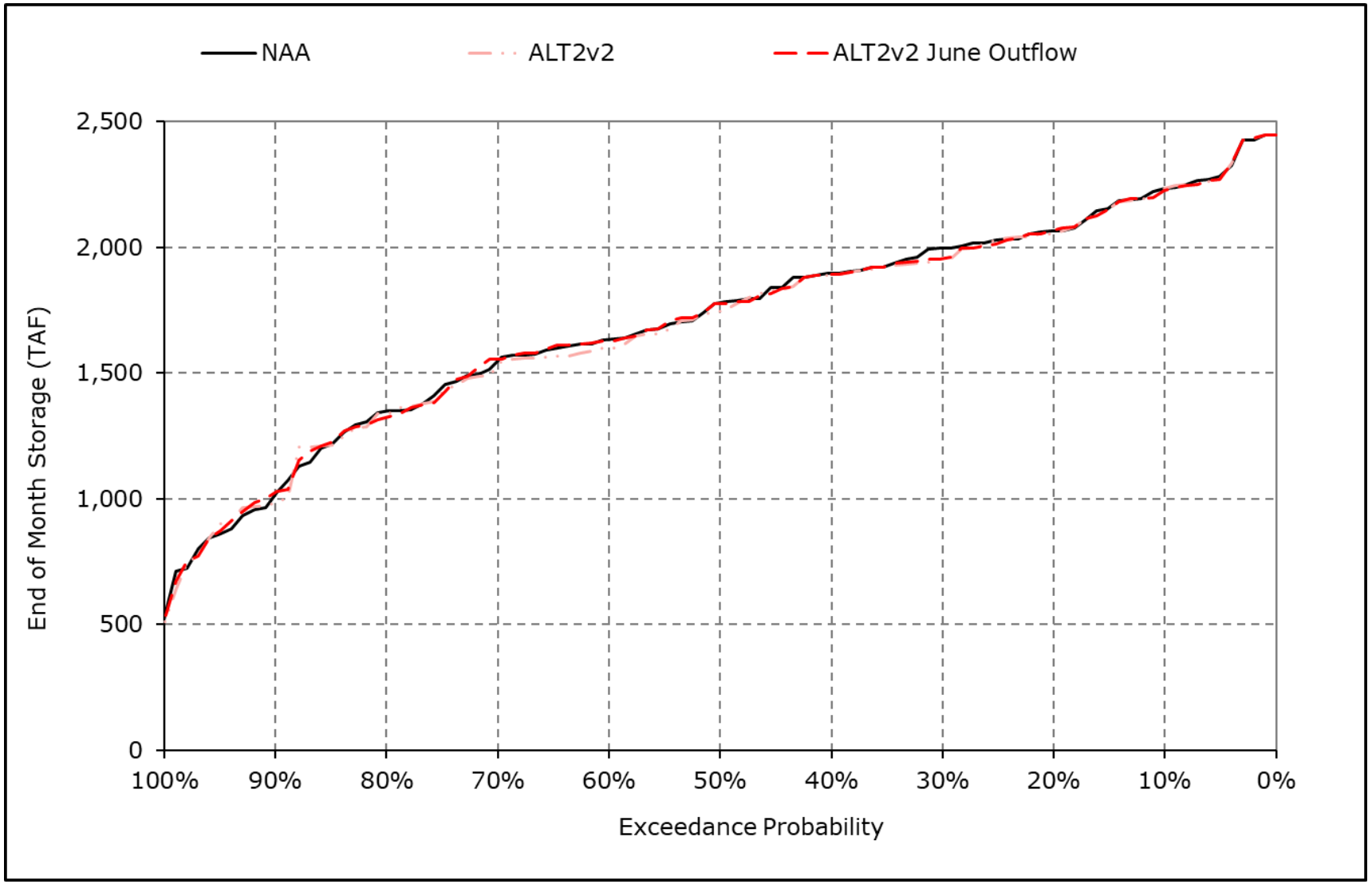
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



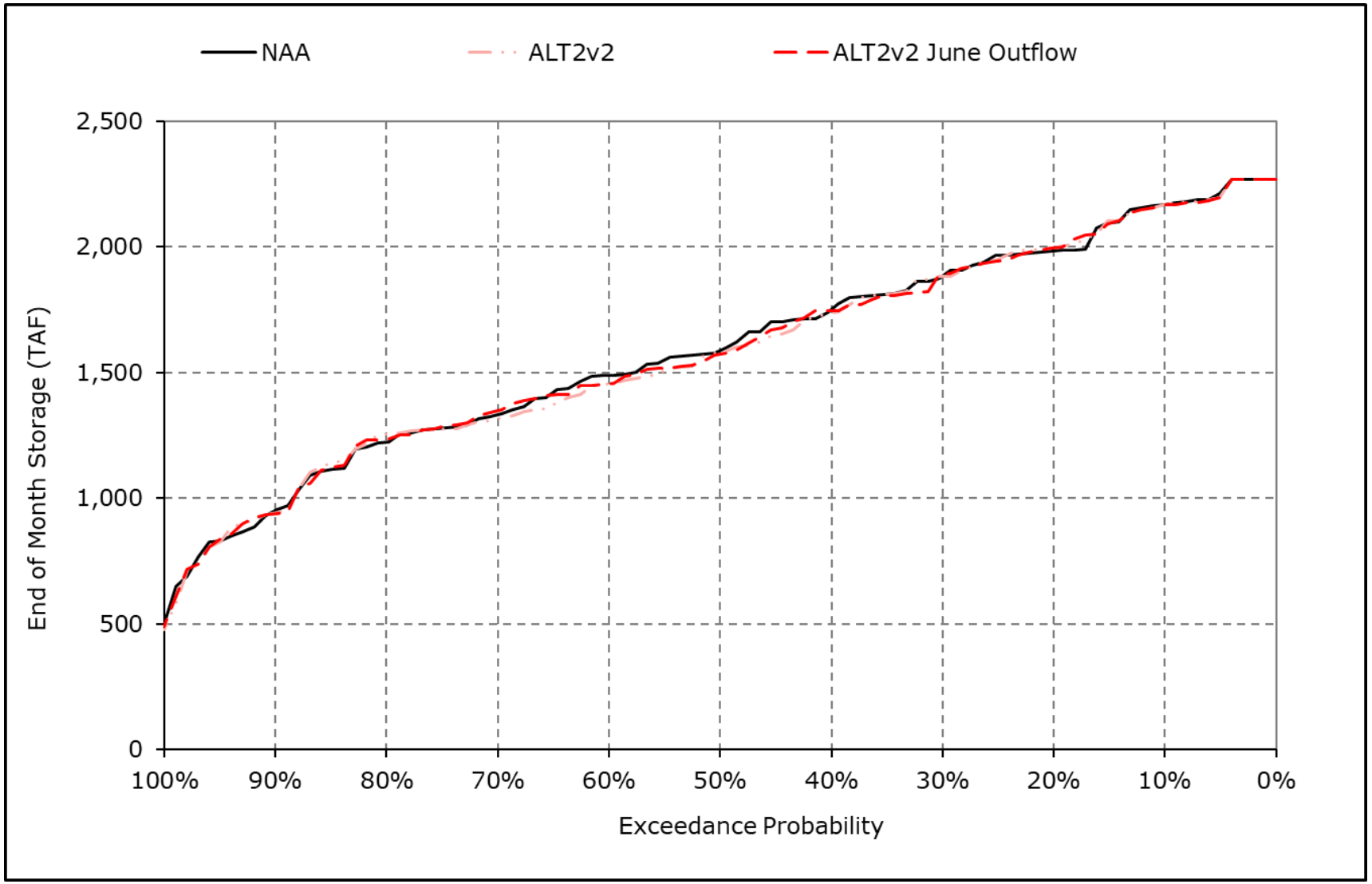
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



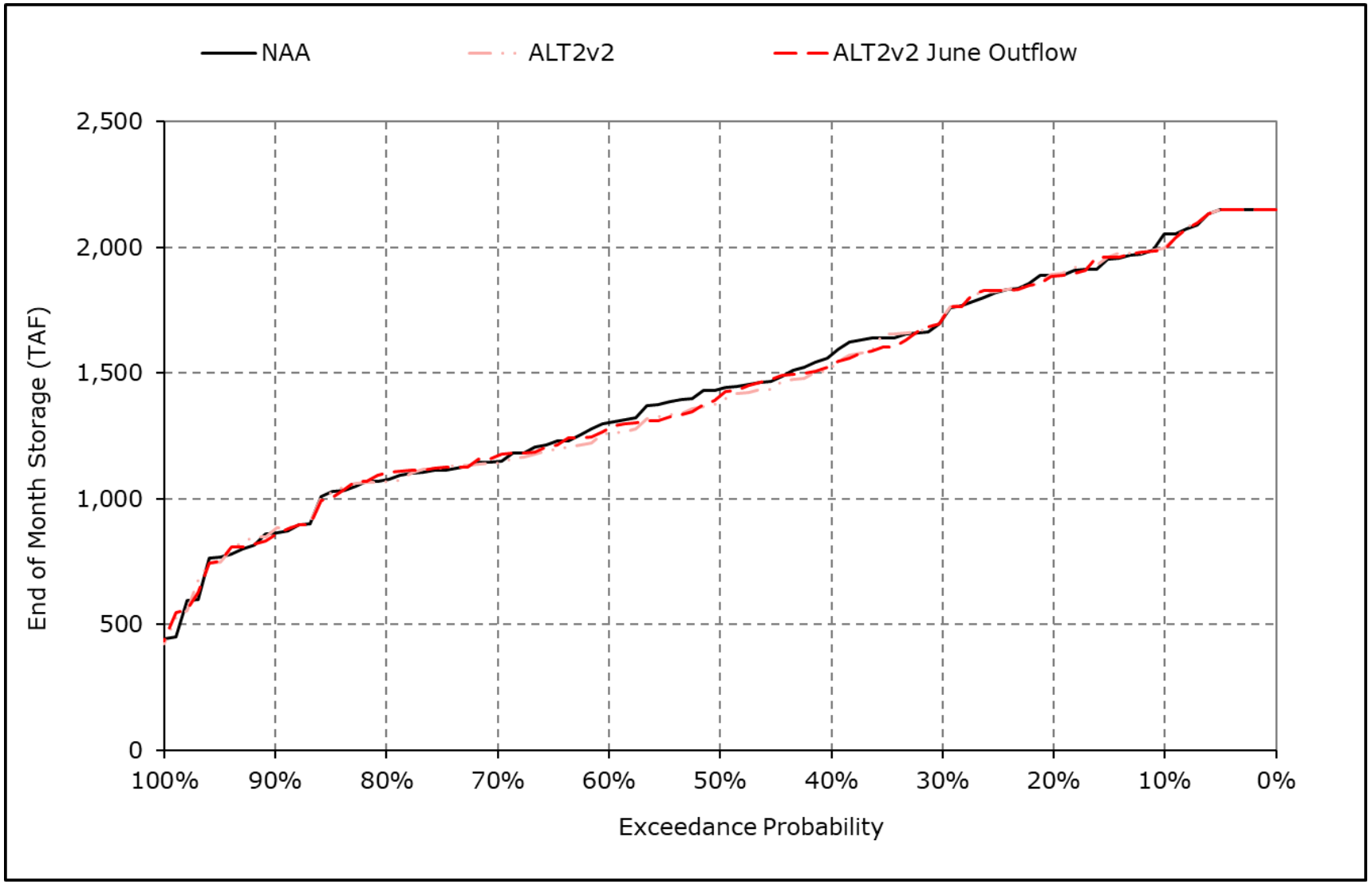
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



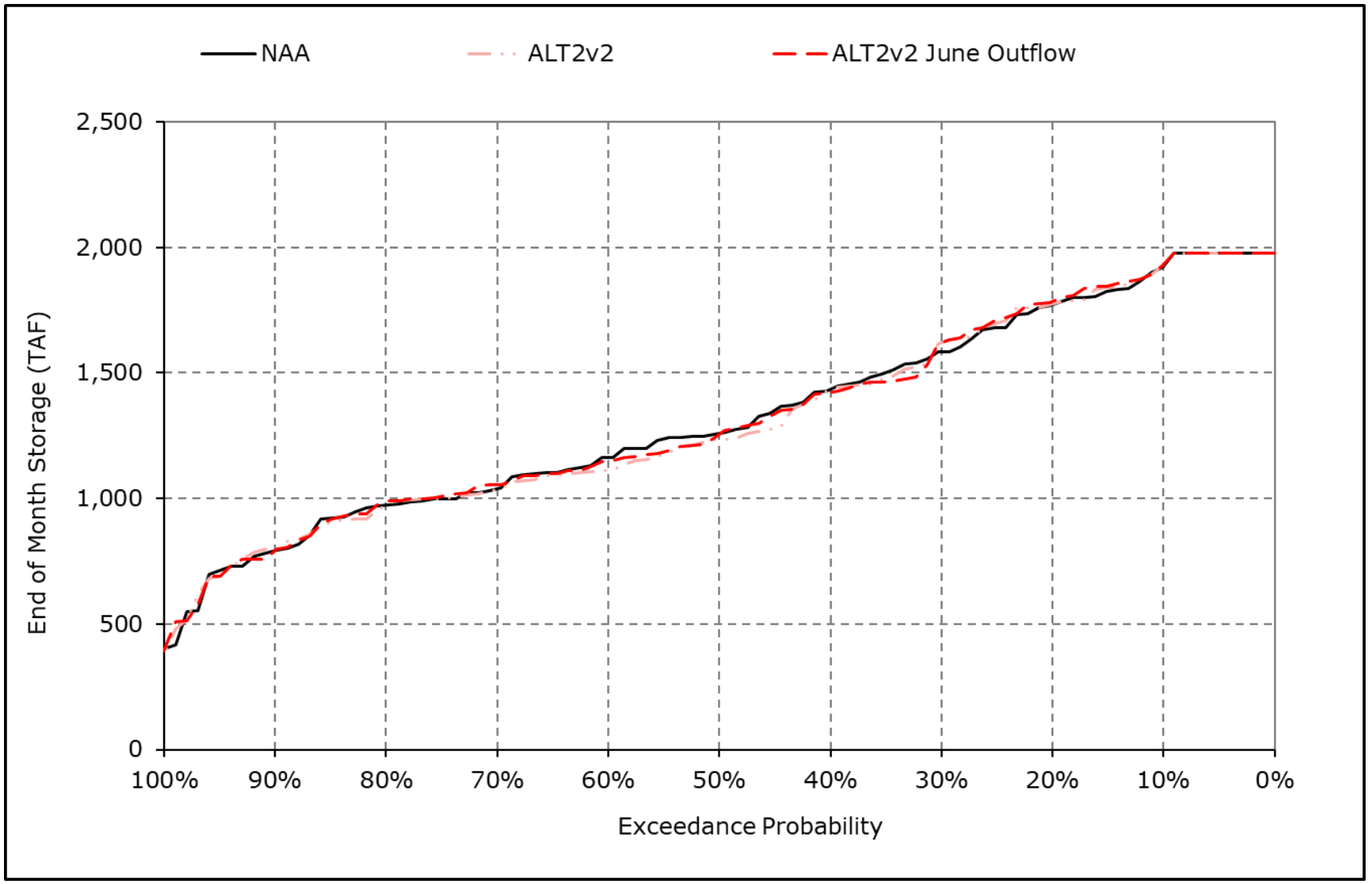
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-2-1c. Trinity Lake Elevation, ALT2v2 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.2.1-2-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

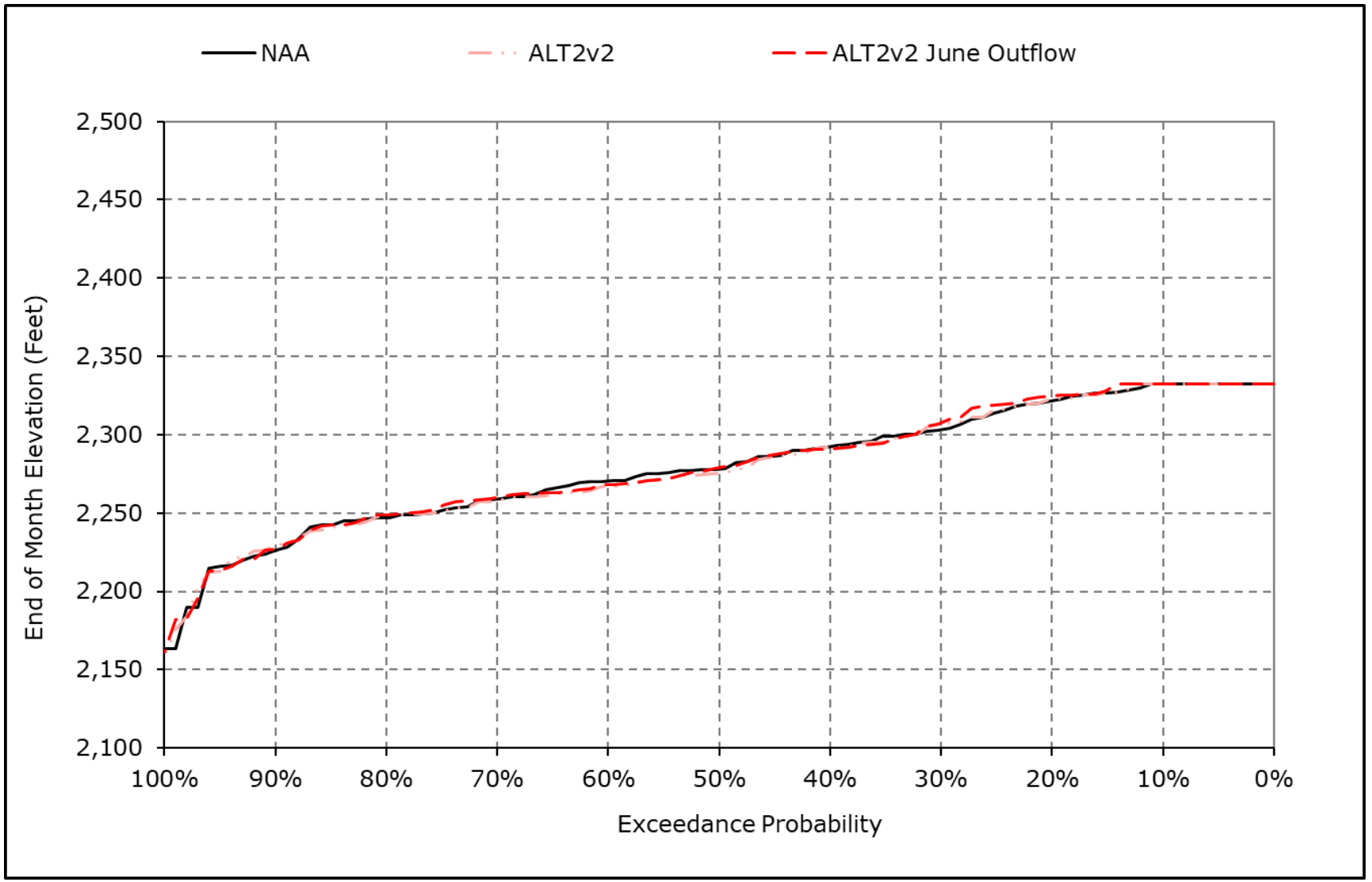
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,332	2,328	2,332	2,337	2,345	2,350	2,361	2,360	2,357	2,354	2,344	2,339
20% Exceedance	2,325	2,323	2,328	2,337	2,345	2,350	2,358	2,355	2,349	2,345	2,335	2,327
30% Exceedance	2,308	2,310	2,320	2,327	2,341	2,350	2,356	2,347	2,341	2,336	2,321	2,313
40% Exceedance	2,291	2,295	2,308	2,320	2,332	2,342	2,351	2,344	2,336	2,323	2,305	2,296
50% Exceedance	2,279	2,285	2,298	2,312	2,323	2,331	2,339	2,332	2,326	2,309	2,295	2,281
60% Exceedance	2,268	2,273	2,290	2,297	2,313	2,323	2,334	2,324	2,313	2,299	2,284	2,271
70% Exceedance	2,260	2,262	2,267	2,281	2,297	2,309	2,322	2,313	2,307	2,290	2,273	2,261
80% Exceedance	2,249	2,250	2,253	2,267	2,282	2,294	2,303	2,297	2,288	2,280	2,266	2,254
90% Exceedance	2,227	2,229	2,235	2,247	2,262	2,270	2,276	2,267	2,258	2,248	2,239	2,230
Full Simulation Period Average[a]	2,280	2,282	2,290	2,300	2,312	2,321	2,329	2,323	2,317	2,307	2,294	2,283
Wet Water Years (28%)	2,317	2,316	2,320	2,324	2,340	2,347	2,358	2,355	2,349	2,342	2,332	2,323
Above Normal Water Years (14%)	2,303	2,305	2,311	2,316	2,331	2,343	2,353	2,348	2,342	2,333	2,318	2,307
Below Normal Water Years (18%)	2,278	2,280	2,289	2,305	2,315	2,325	2,335	2,327	2,321	2,310	2,293	2,281
Dry Water Years (24%)	2,261	2,265	2,278	2,291	2,301	2,312	2,320	2,311	2,303	2,290	2,276	2,264
Critical Water Years (16%)	2,219	2,220	2,231	2,252	2,258	2,266	2,268	2,259	2,252	2,244	2,232	2,222

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

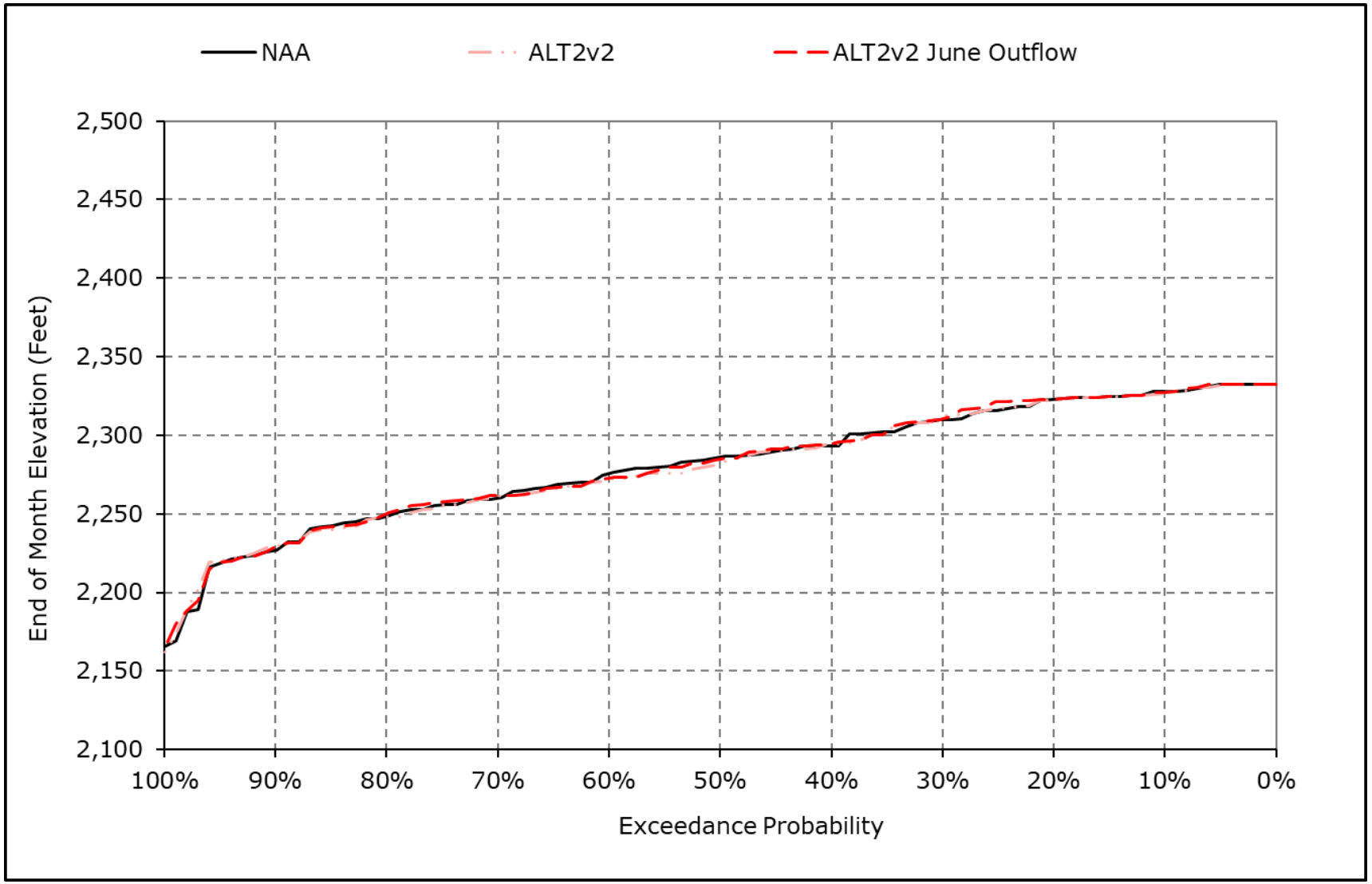
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	0	0	0	0	0	0	0	0	-3	1
20% Exceedance	3	0	2	0	0	0	0	0	0	1	0	1
30% Exceedance	5	0	1	-1	0	0	0	0	-3	1	0	3
40% Exceedance	-2	1	-1	-2	-2	-1	0	-2	0	-1	-3	-1
50% Exceedance	1	-1	1	-2	2	1	-1	-1	0	-1	-2	-1
60% Exceedance	-2	-3	-1	-1	3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



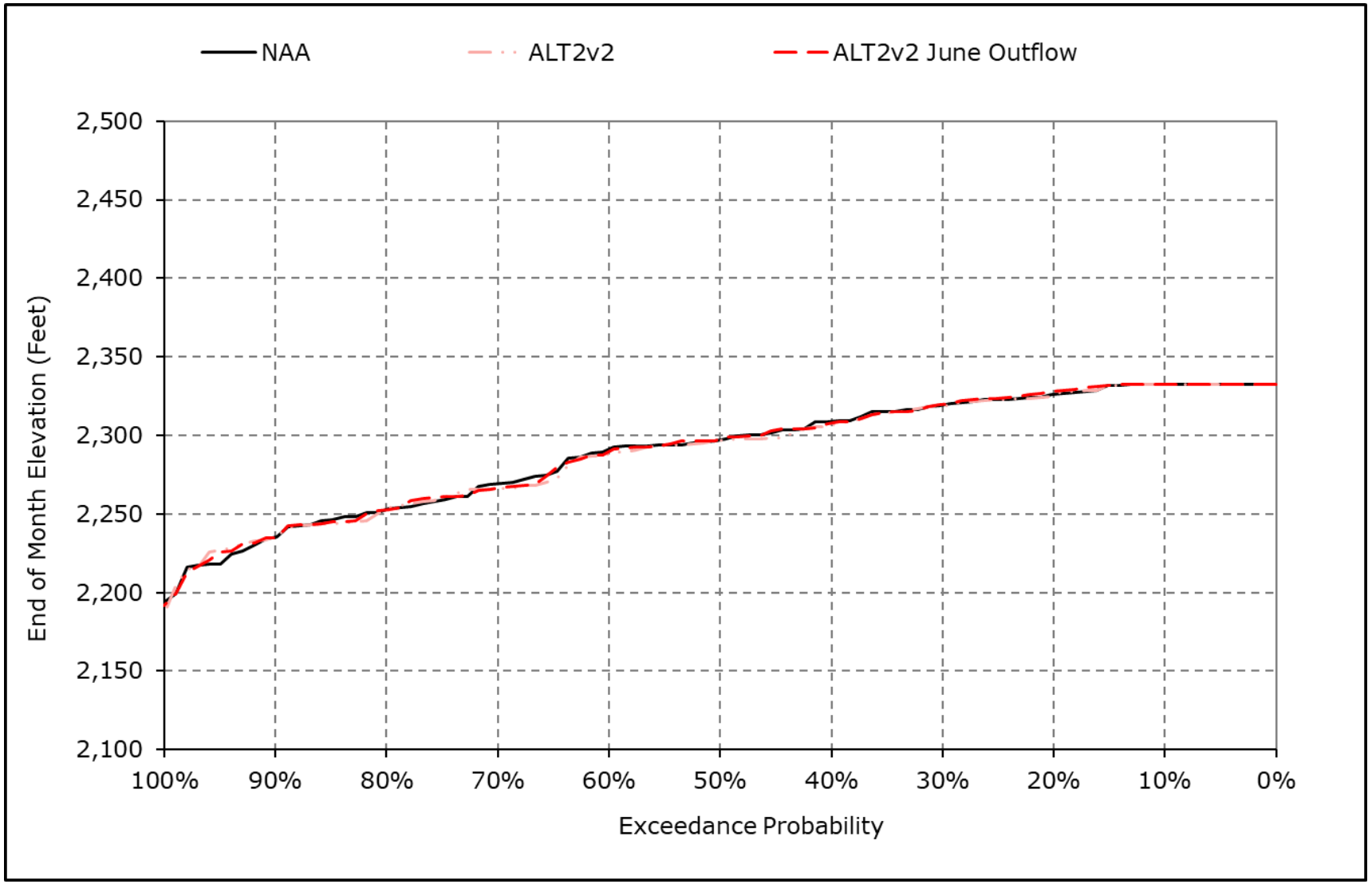
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



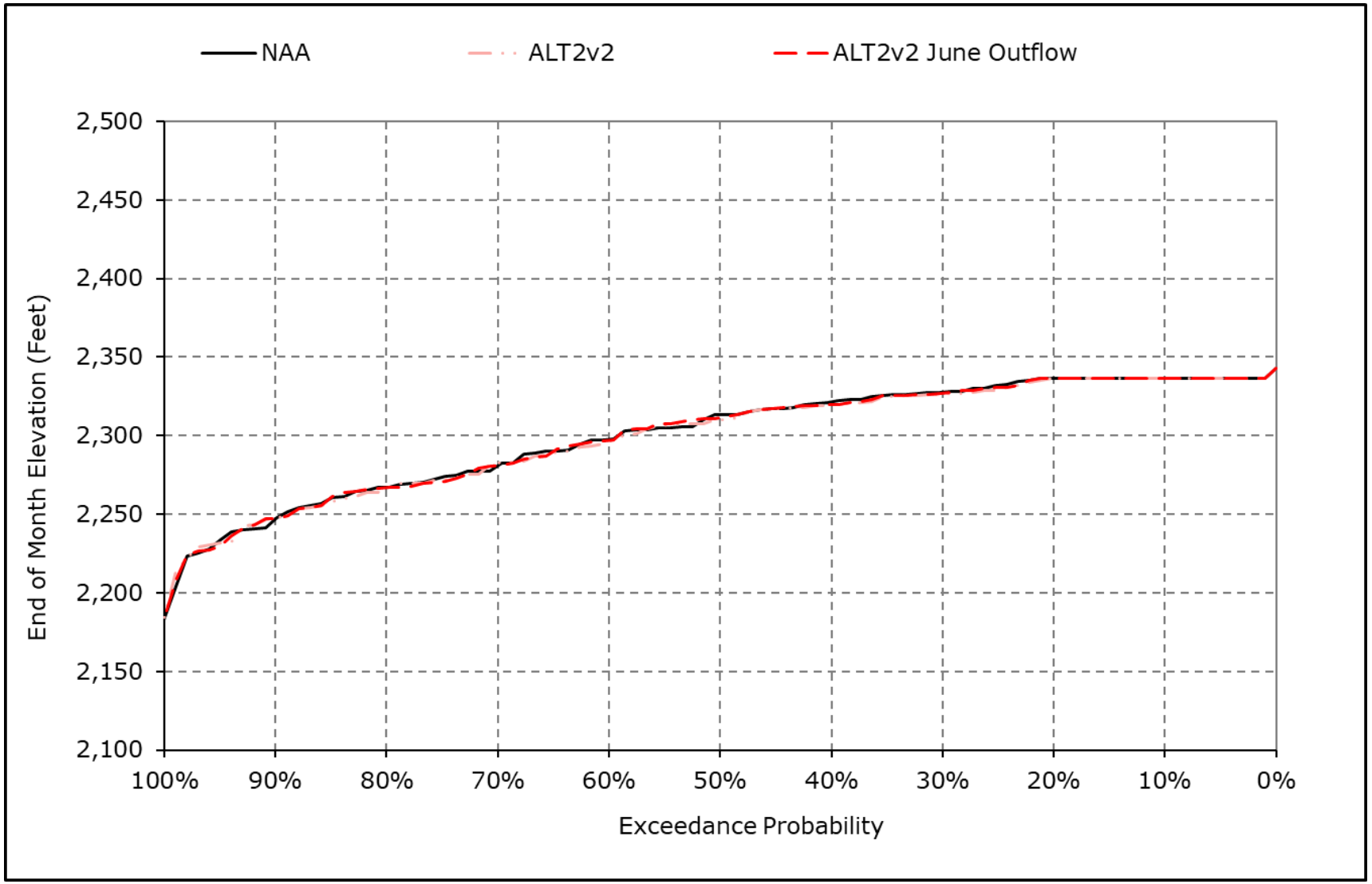
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



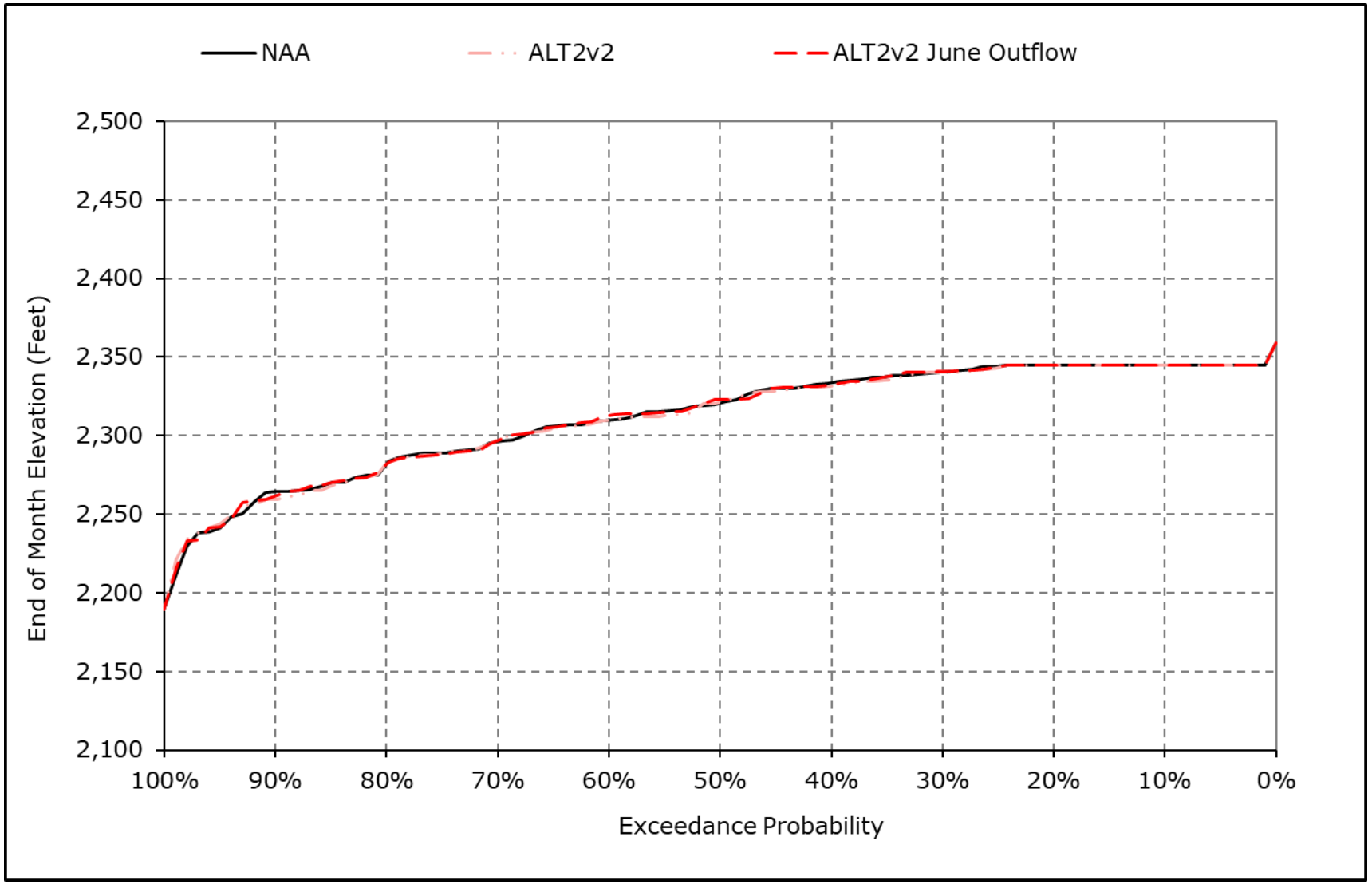
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



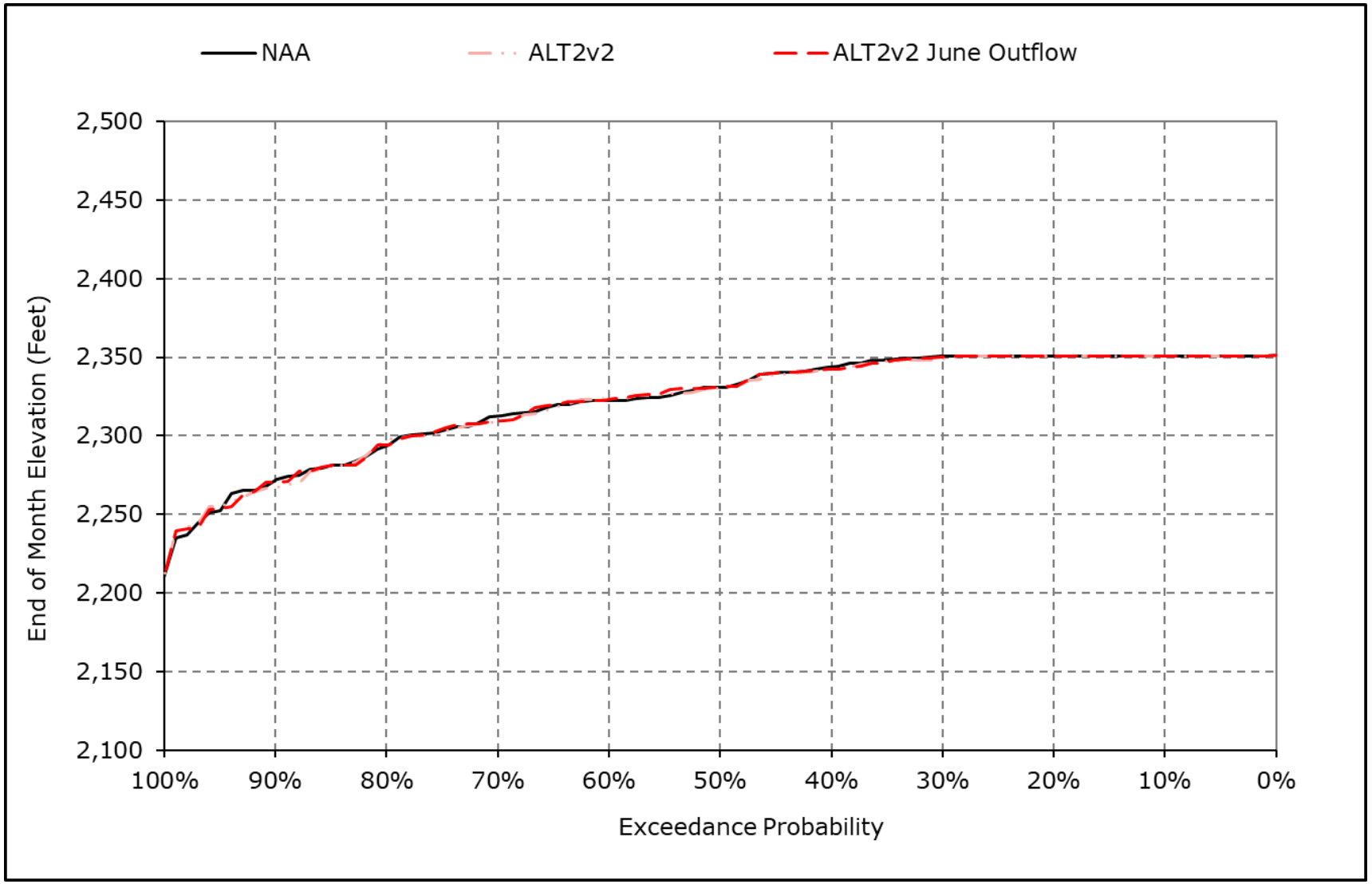
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



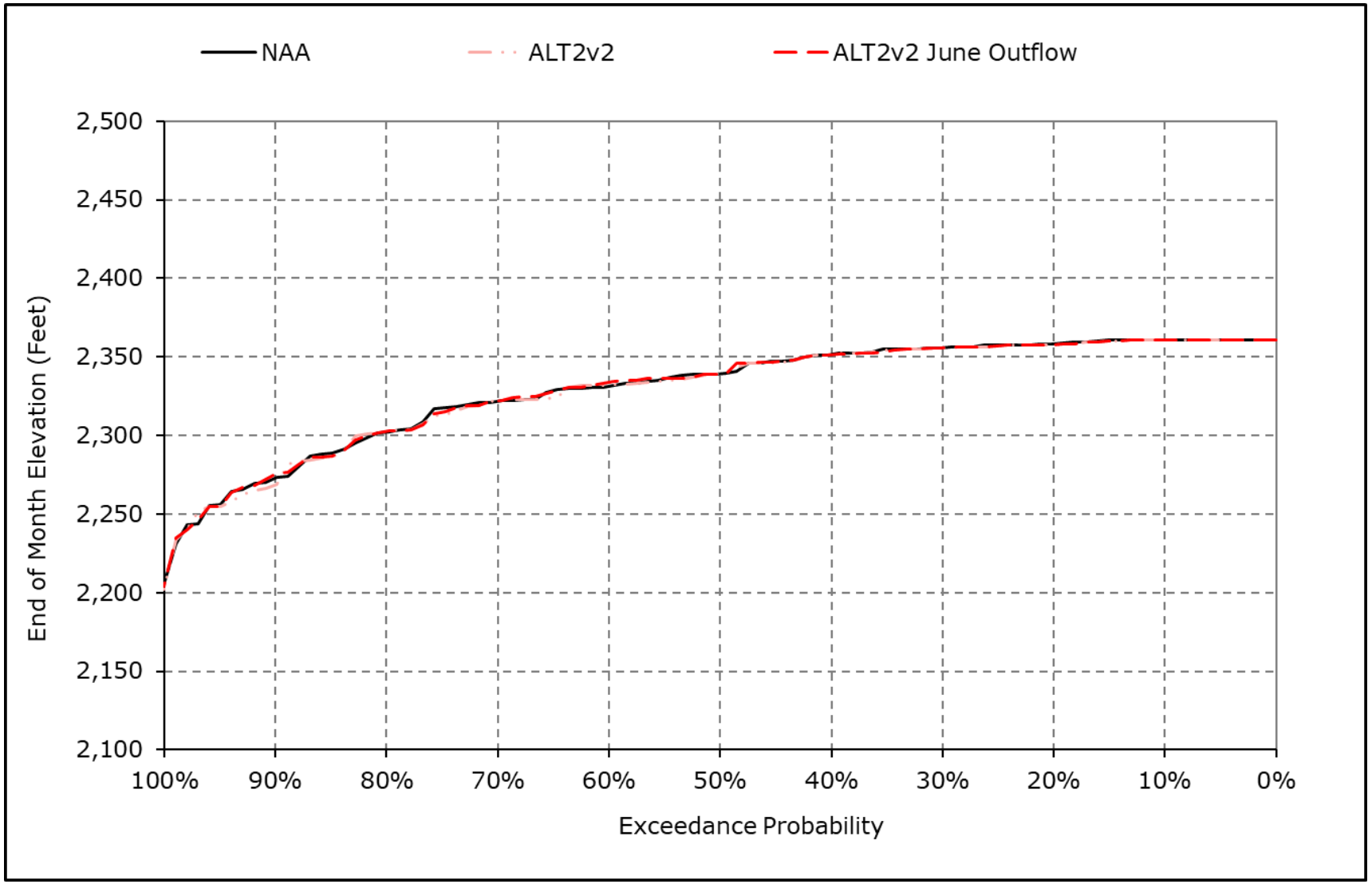
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



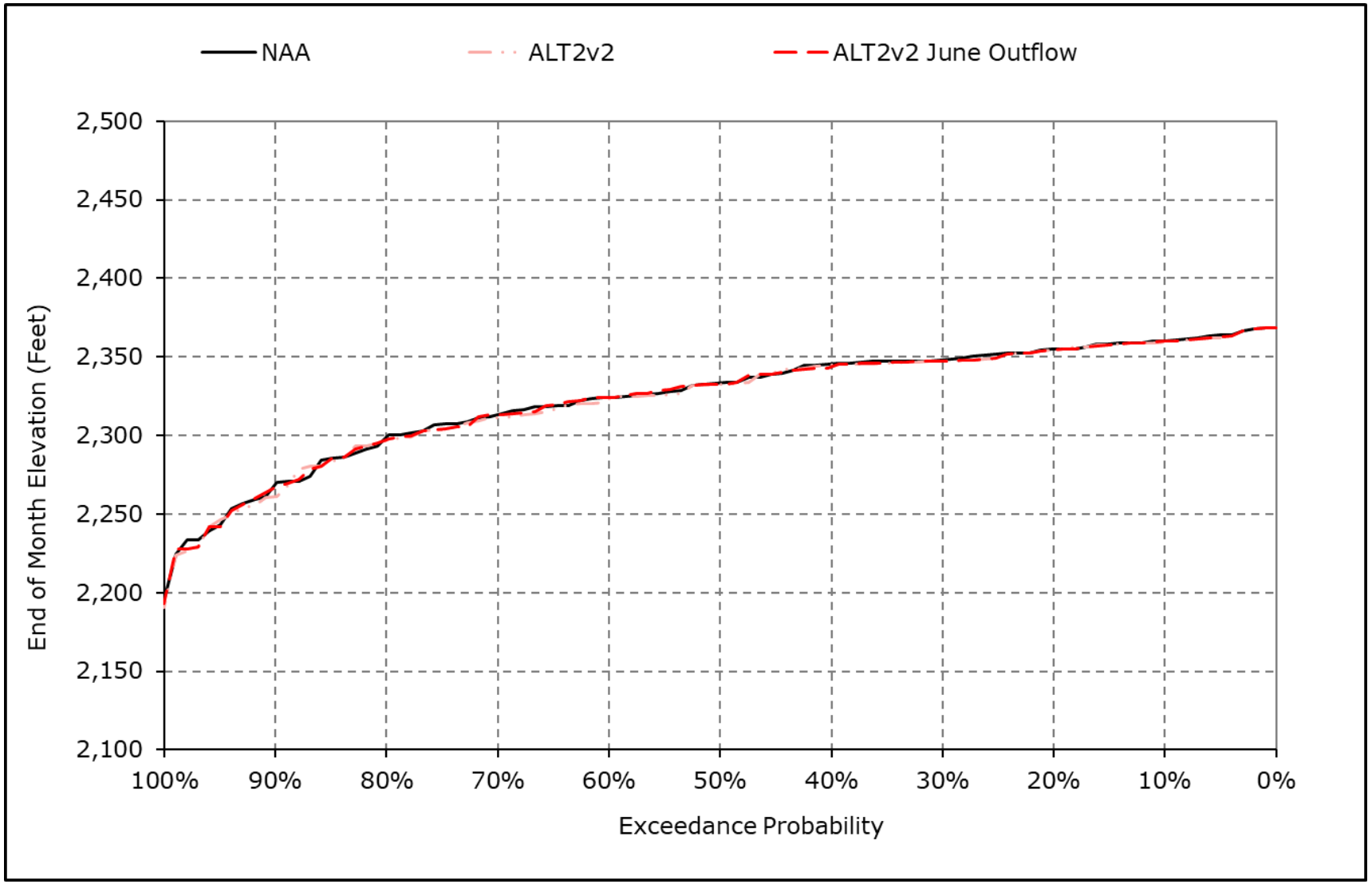
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



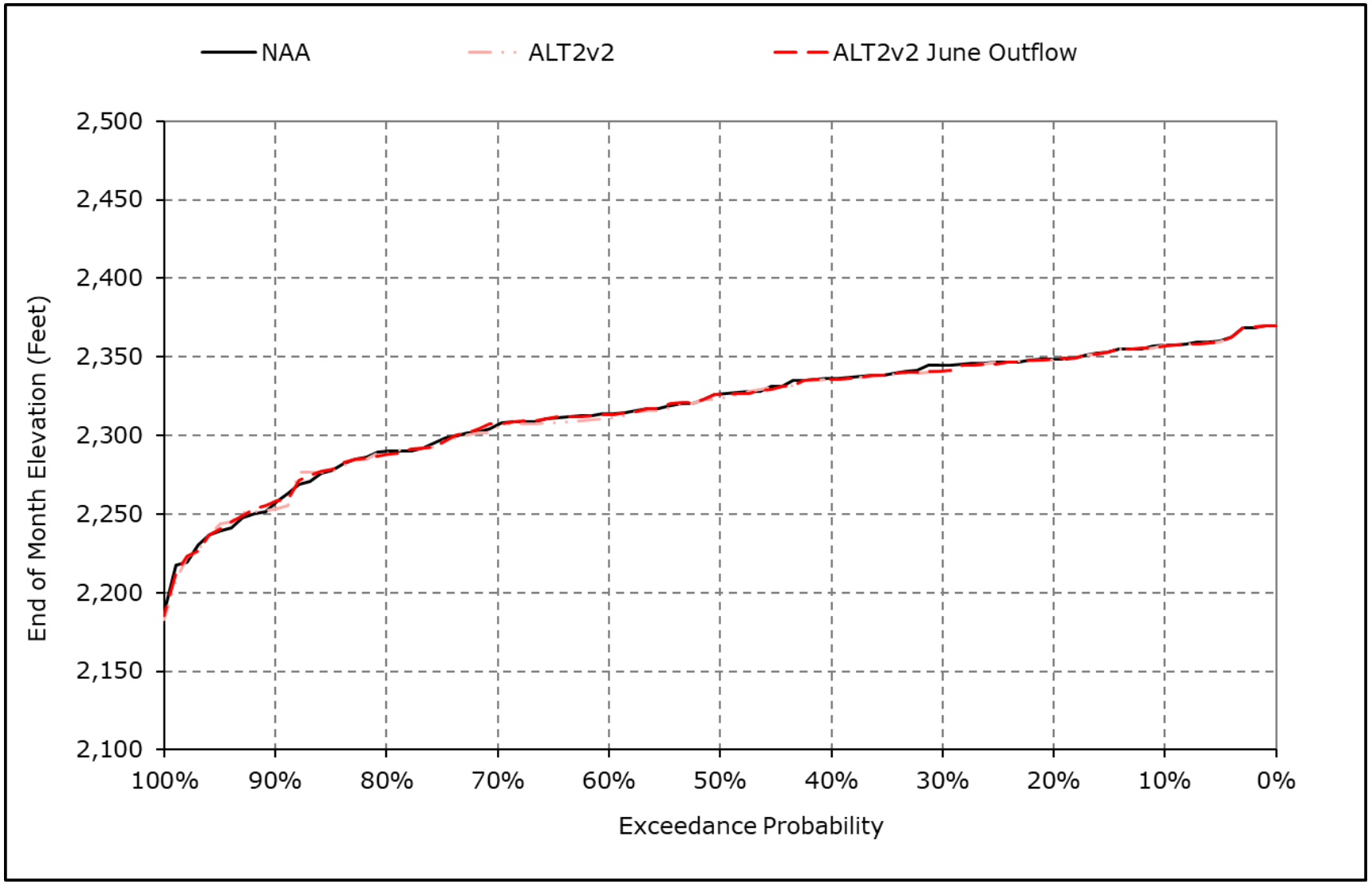
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



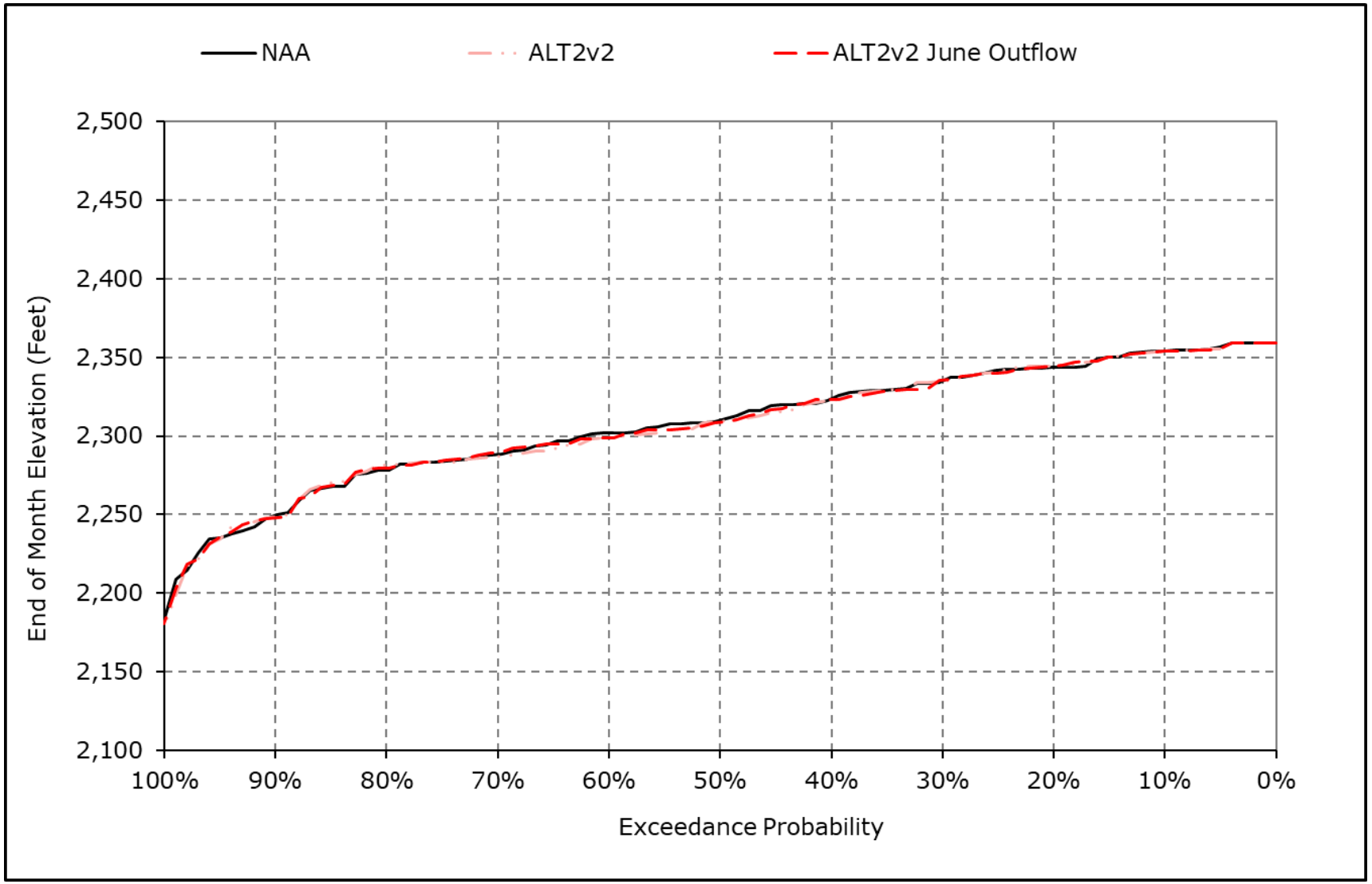
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



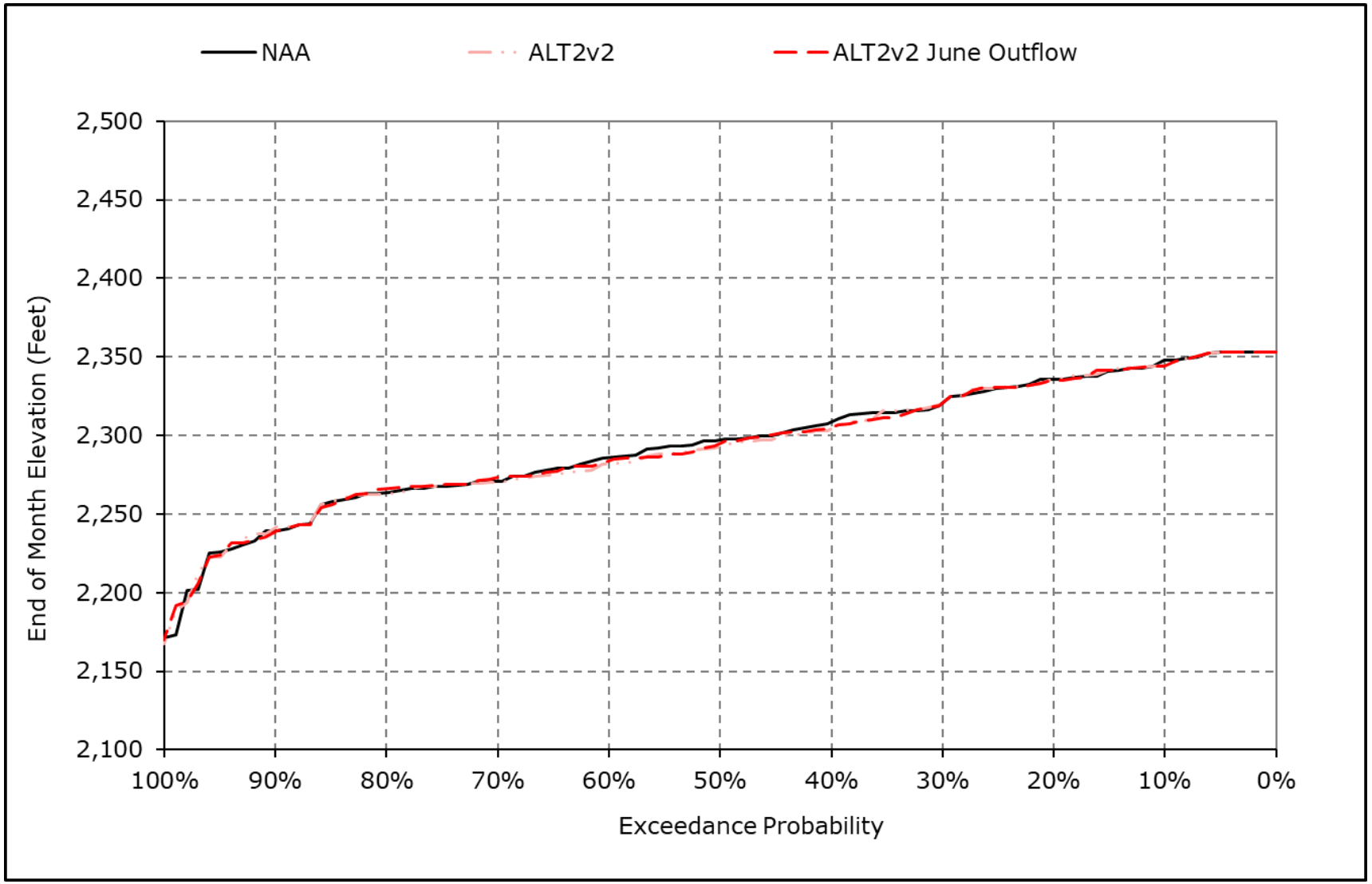
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



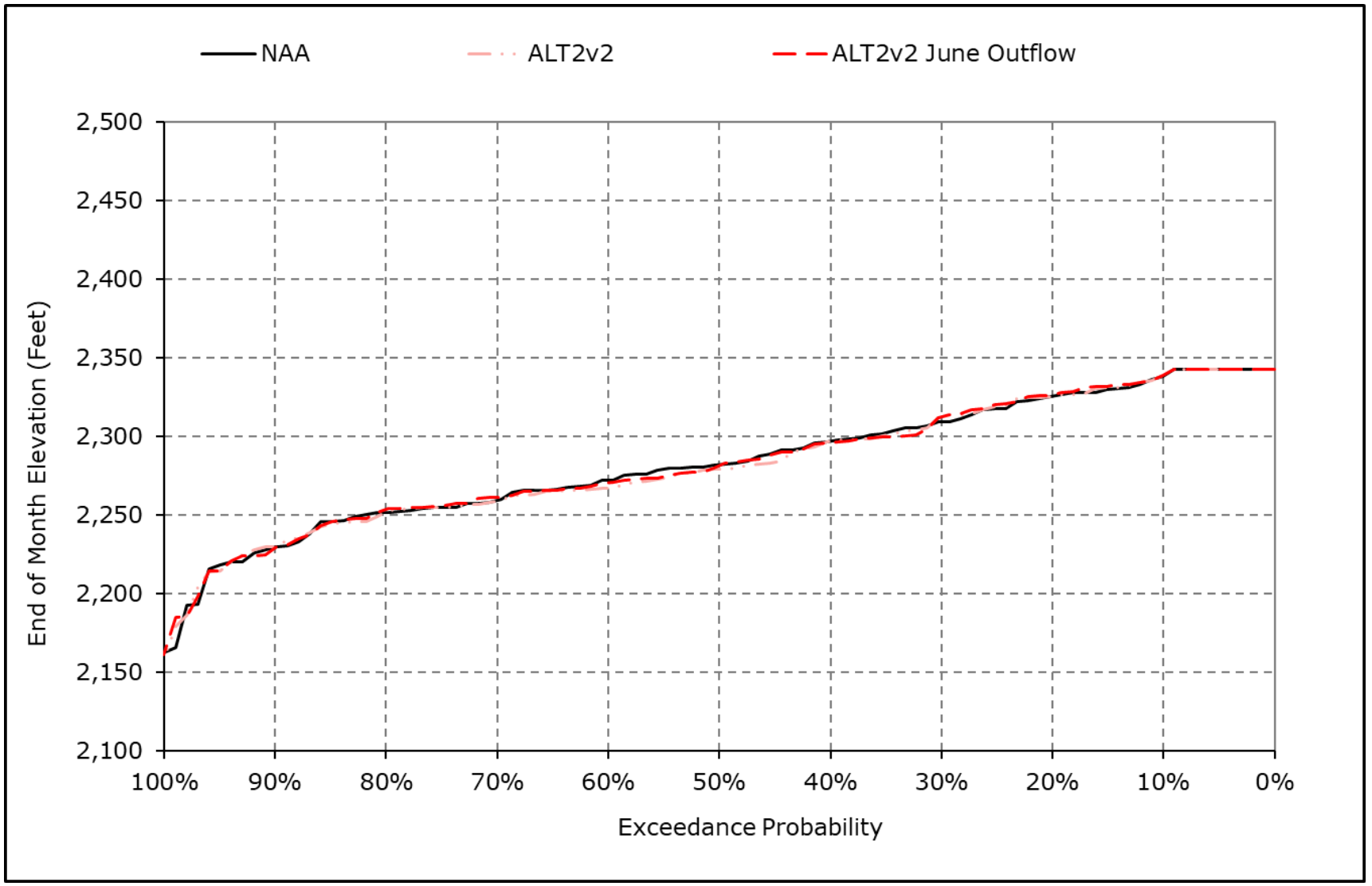
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-3-1c. Shasta Lake Storage, ALT2v2 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.2.1-3-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

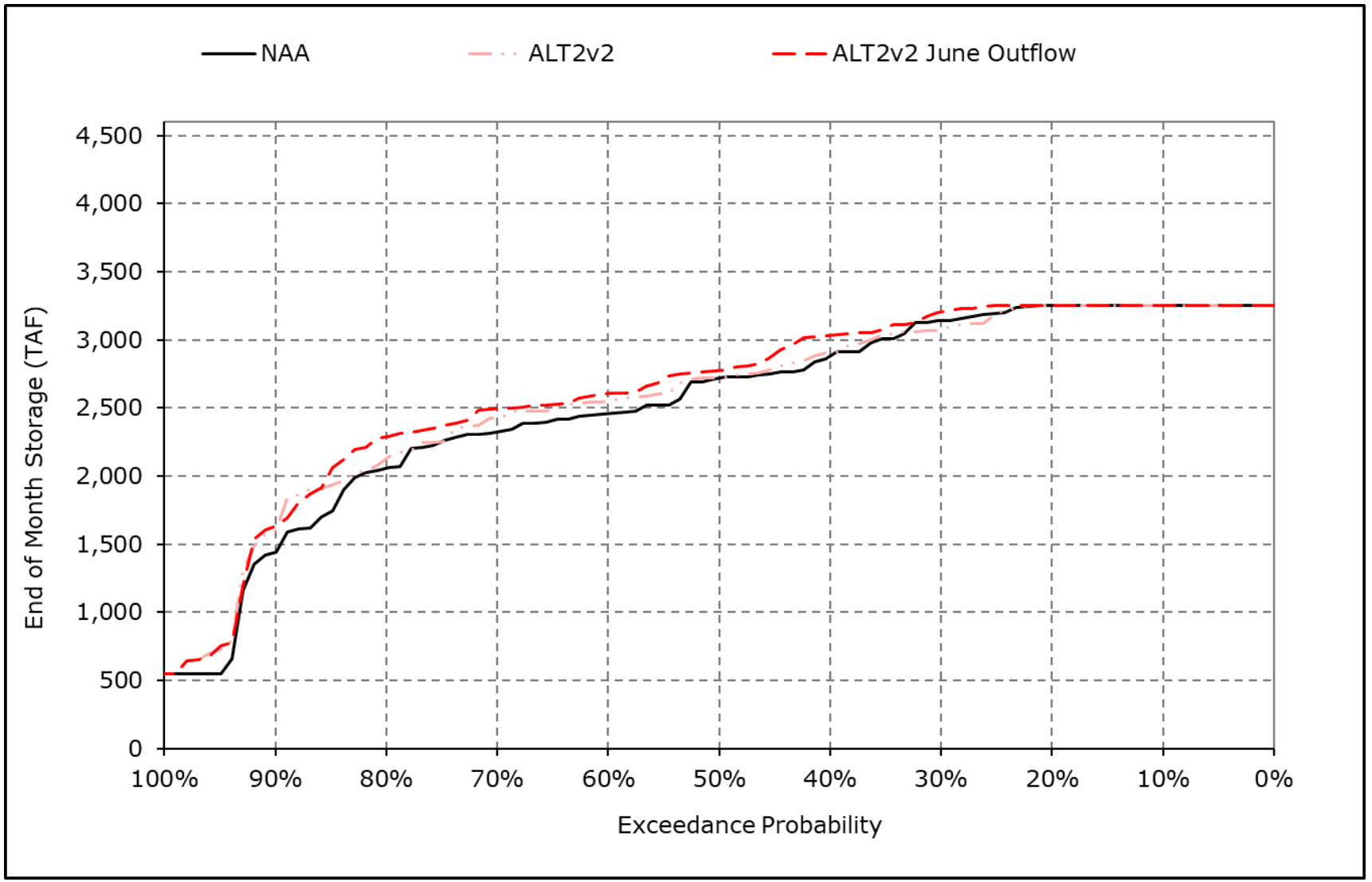
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,250	3,252	3,338	3,636	3,866	4,230	4,515	4,552	4,472	3,994	3,672	3,400
20% Exceedance	3,250	3,252	3,309	3,544	3,803	4,150	4,410	4,552	4,359	3,787	3,520	3,384
30% Exceedance	3,204	3,182	3,293	3,488	3,684	4,092	4,351	4,476	4,148	3,586	3,296	3,187
40% Exceedance	3,035	2,986	3,250	3,412	3,595	3,936	4,284	4,268	3,906	3,345	3,080	2,958
50% Exceedance	2,777	2,821	3,095	3,322	3,465	3,821	4,188	4,176	3,703	3,194	2,886	2,801
60% Exceedance	2,605	2,641	2,940	3,240	3,335	3,725	4,105	4,001	3,584	3,085	2,753	2,658
70% Exceedance	2,496	2,465	2,659	2,998	3,252	3,565	3,979	3,780	3,464	2,895	2,548	2,439
80% Exceedance	2,289	2,197	2,383	2,702	2,997	3,414	3,563	3,421	3,131	2,651	2,356	2,302
90% Exceedance	1,632	1,563	1,585	2,056	2,452	2,769	2,838	2,670	2,387	2,053	1,831	1,694
Full Simulation Period Average[a]	2,623	2,612	2,787	3,070	3,304	3,659	3,930	3,902	3,605	3,083	2,792	2,670
Wet Water Years (28%)	3,134	3,132	3,195	3,443	3,536	3,838	4,307	4,465	4,269	3,748	3,446	3,245
Above Normal Water Years (14%)	2,916	2,845	3,091	3,317	3,569	3,995	4,390	4,367	4,026	3,369	3,073	2,959
Below Normal Water Years (18%)	2,645	2,656	2,886	3,118	3,435	3,878	4,142	4,001	3,663	3,120	2,792	2,715
Dry Water Years (24%)	2,613	2,646	2,824	3,028	3,400	3,822	3,964	3,855	3,501	3,005	2,705	2,607
Critical Water Years (16%)	1,364	1,303	1,546	2,209	2,373	2,561	2,579	2,466	2,165	1,747	1,533	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.2.1-3-2c. Shasta Lake Storage, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

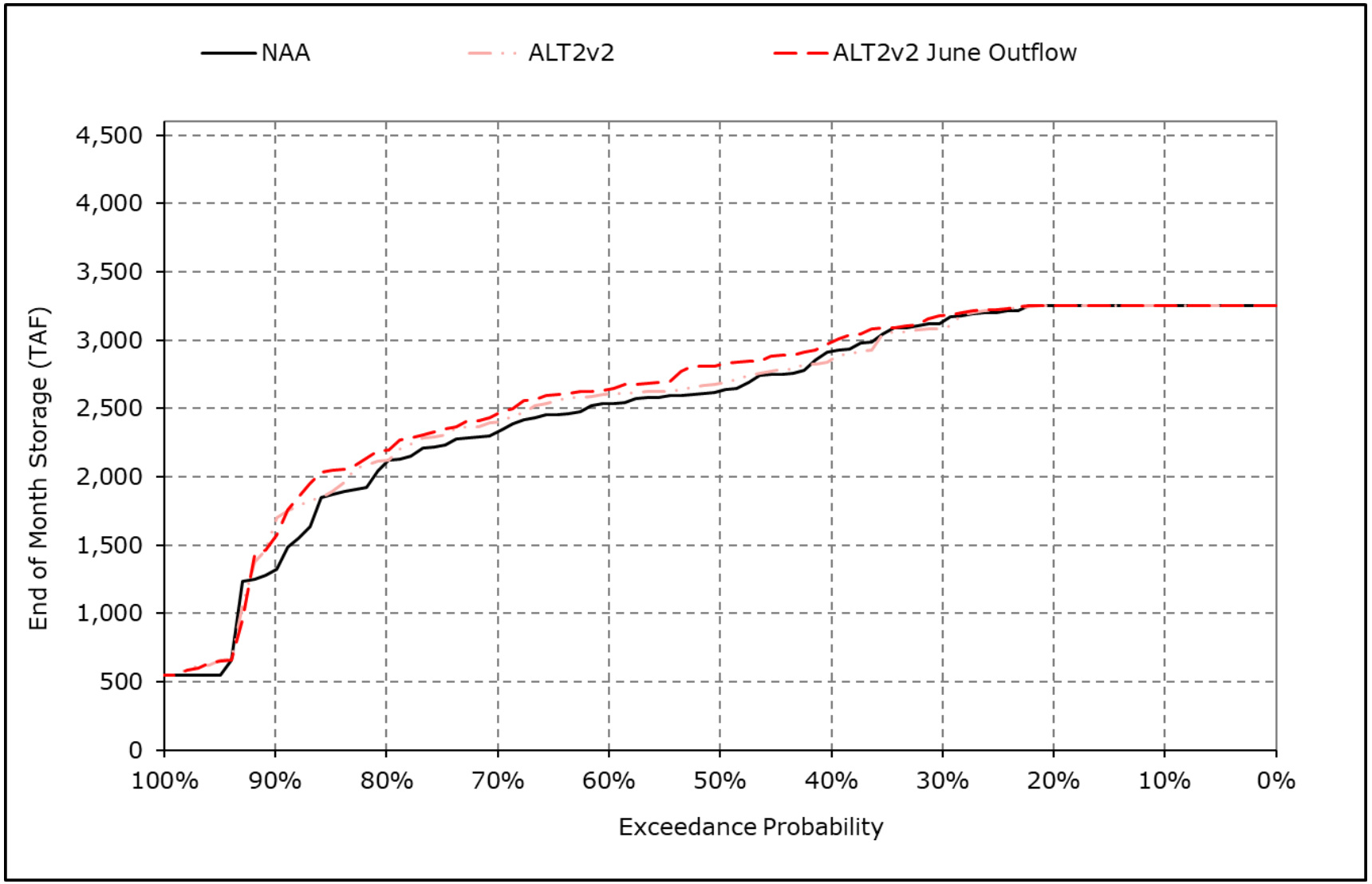
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1	0	4	15	11	0	-12	6	-17	0
20% Exceedance	0	0	-2	-5	-2	18	-3	0	-12	10	6	15
30% Exceedance	62	46	1	-5	29	20	5	11	-11	15	27	77
40% Exceedance	154	65	-1	54	29	0	-2	10	18	60	126	65
50% Exceedance	58	193	14	58	22	7	14	52	12	67	45	102
60% Exceedance	146	103	103	48	31	78	1	45	33	111	120	136
70% Exceedance	172	135	85	-20	0	45	104	75	140	60	78	122
80% Exceedance	229	93	111	94	-38	25	16	49	70	137	136	162
90% Exceedance	193	244	71	147	206	116	60	122	106	113	191	223
Full Simulation Period Average[a]	99	84	51	40	34	31	23	40	36	53	78	97
Wet Water Years (28%)	62	53	4	6	0	-1	-2	-1	-20	-1	25	54
Above Normal Water Years (14%)	155	140	85	-8	-4	3	2	3	-29	-11	44	123
Below Normal Water Years (18%)	72	48	35	11	2	-2	3	32	29	58	91	73
Dry Water Years (24%)	100	92	54	93	79	79	86	105	112	125	106	103
Critical Water Years (16%)	144	116	118	99	93	78	14	53	85	92	142	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.



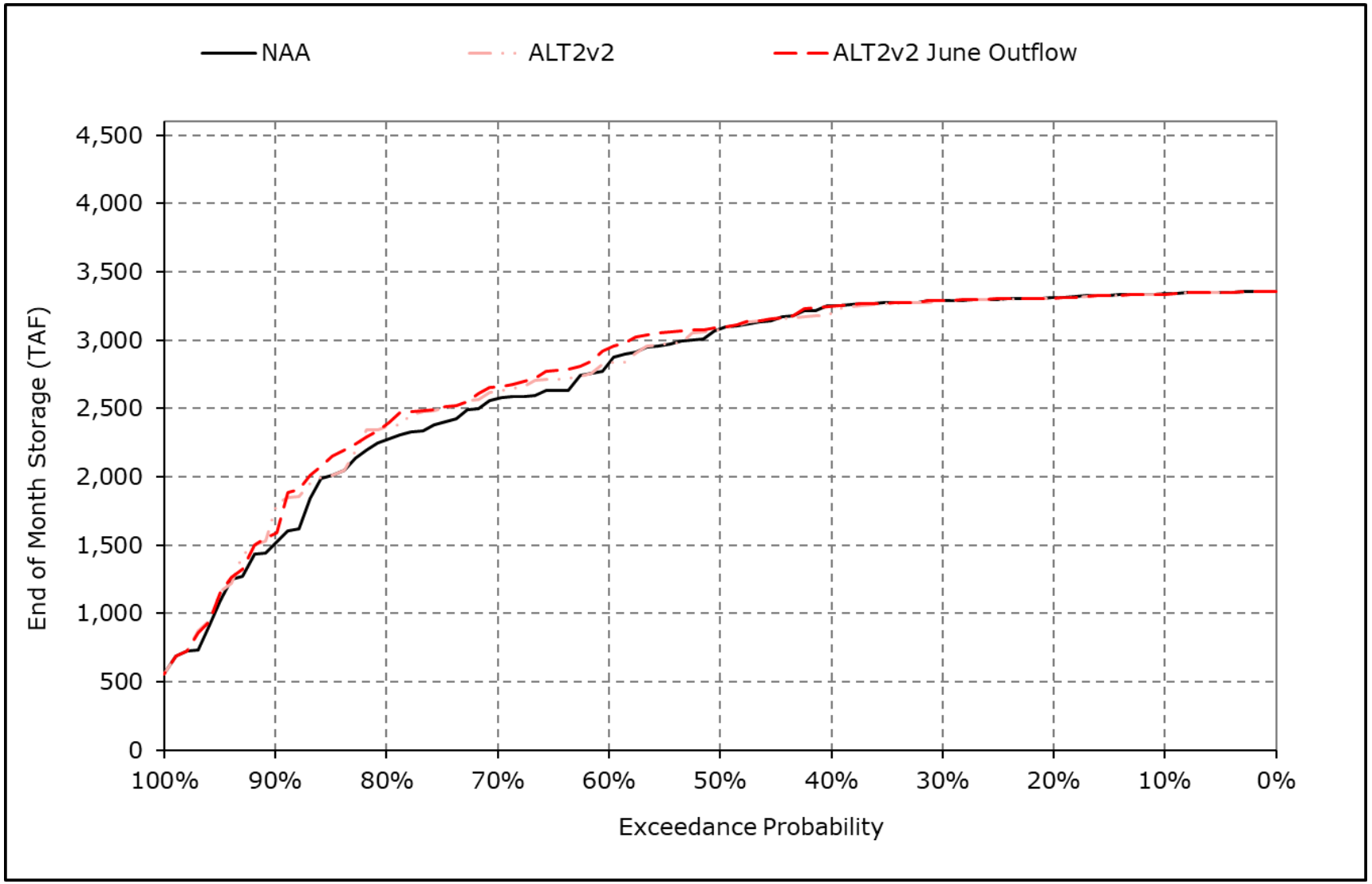
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



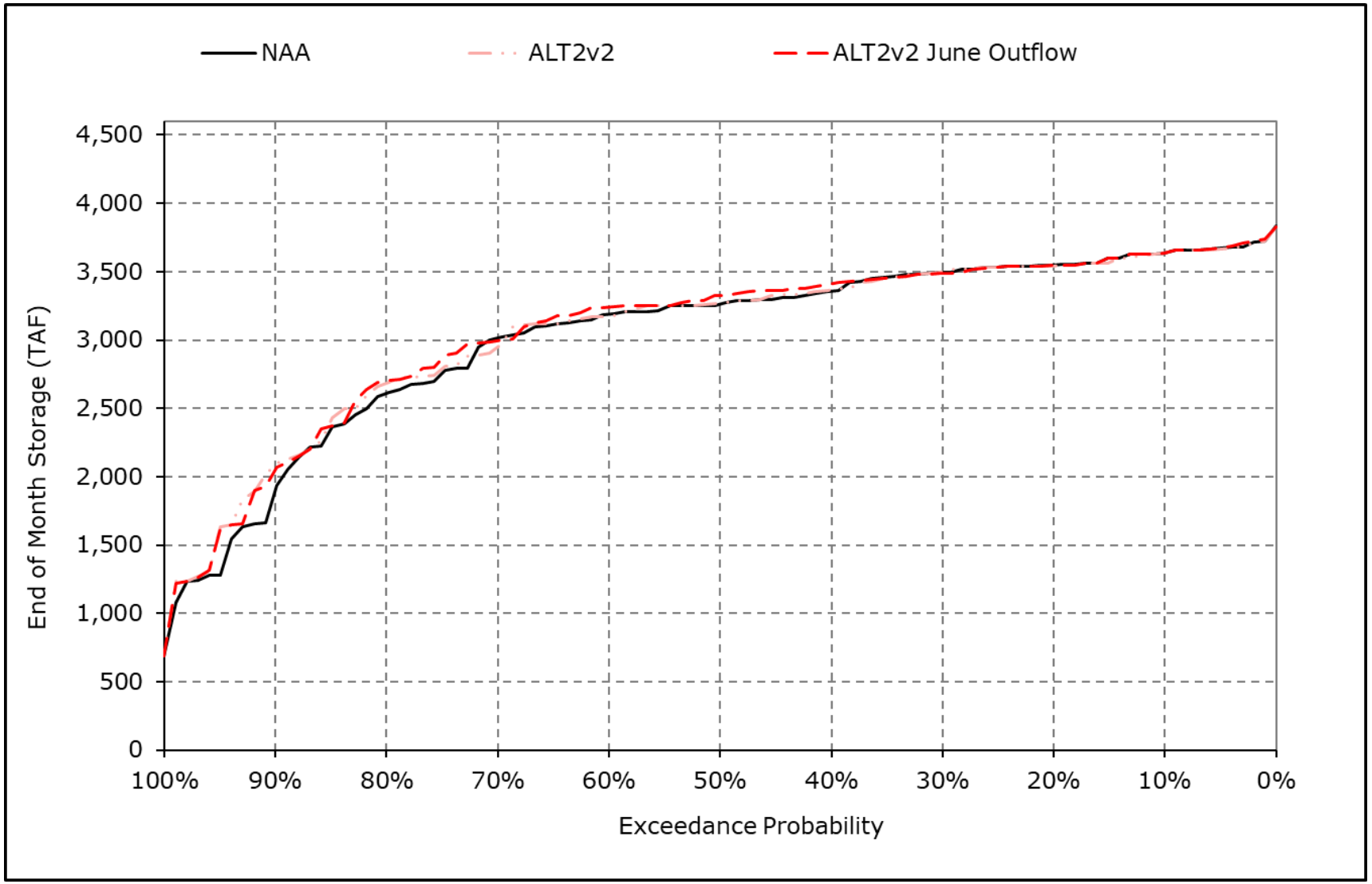
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



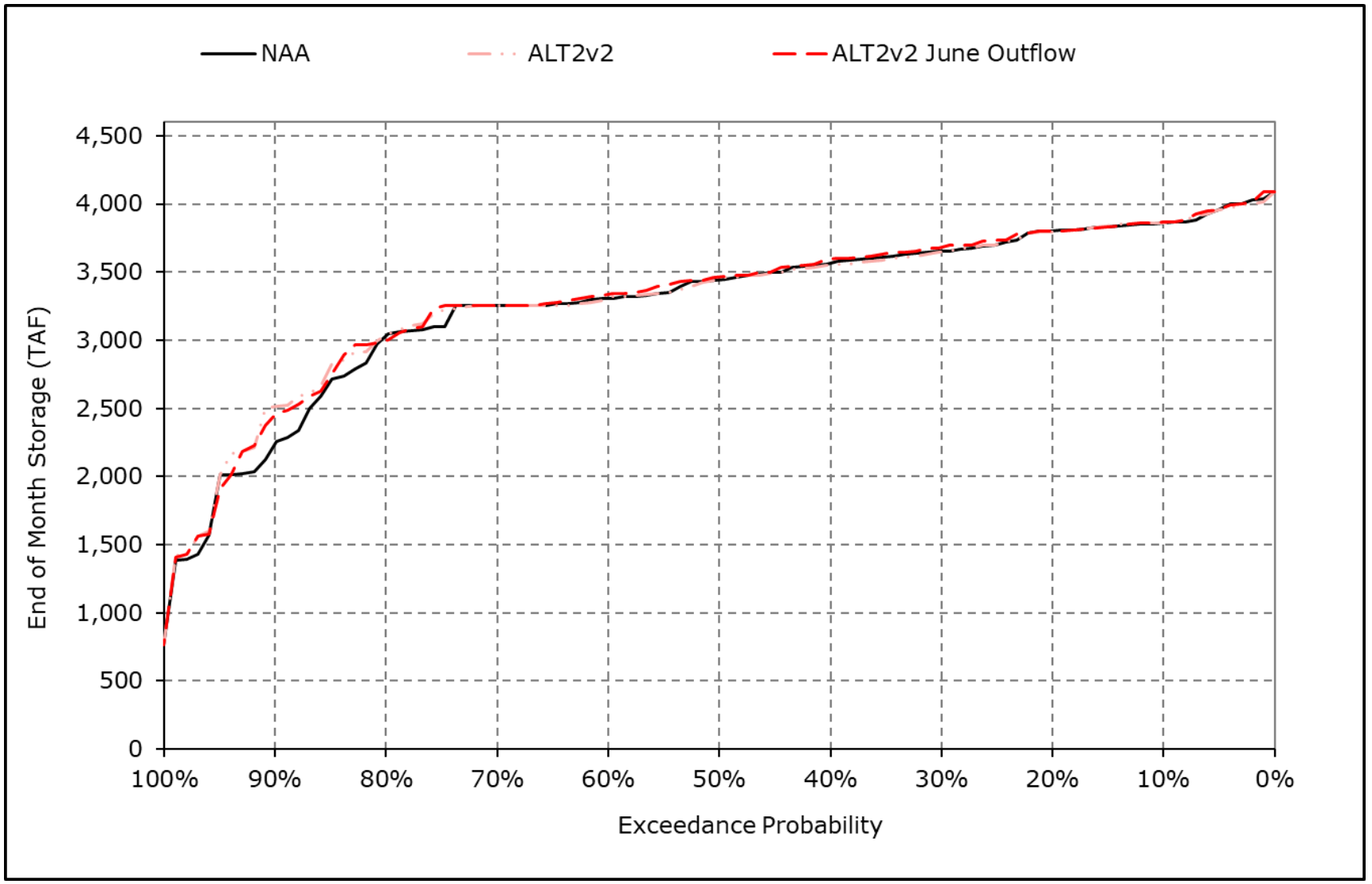
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



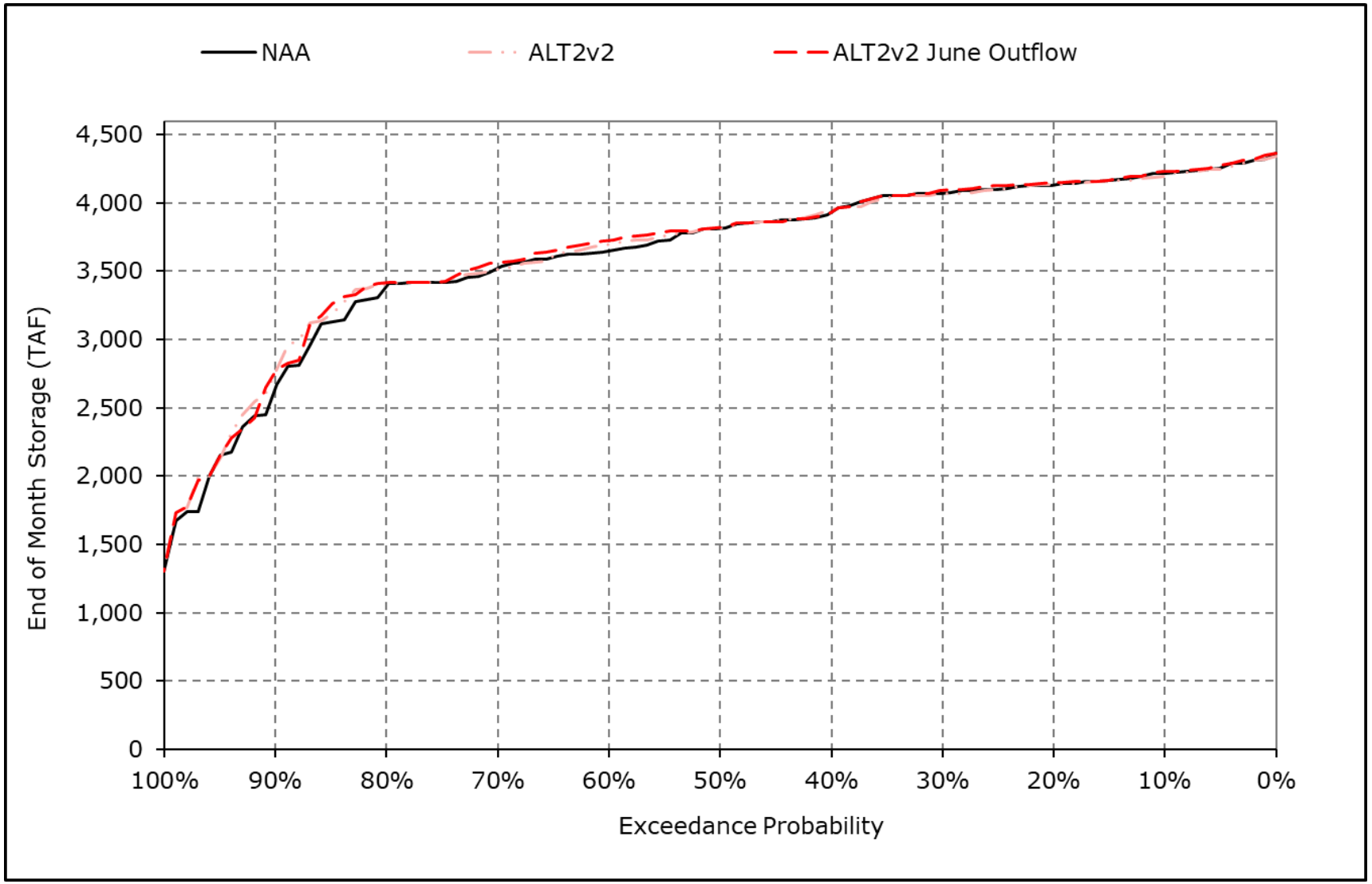
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



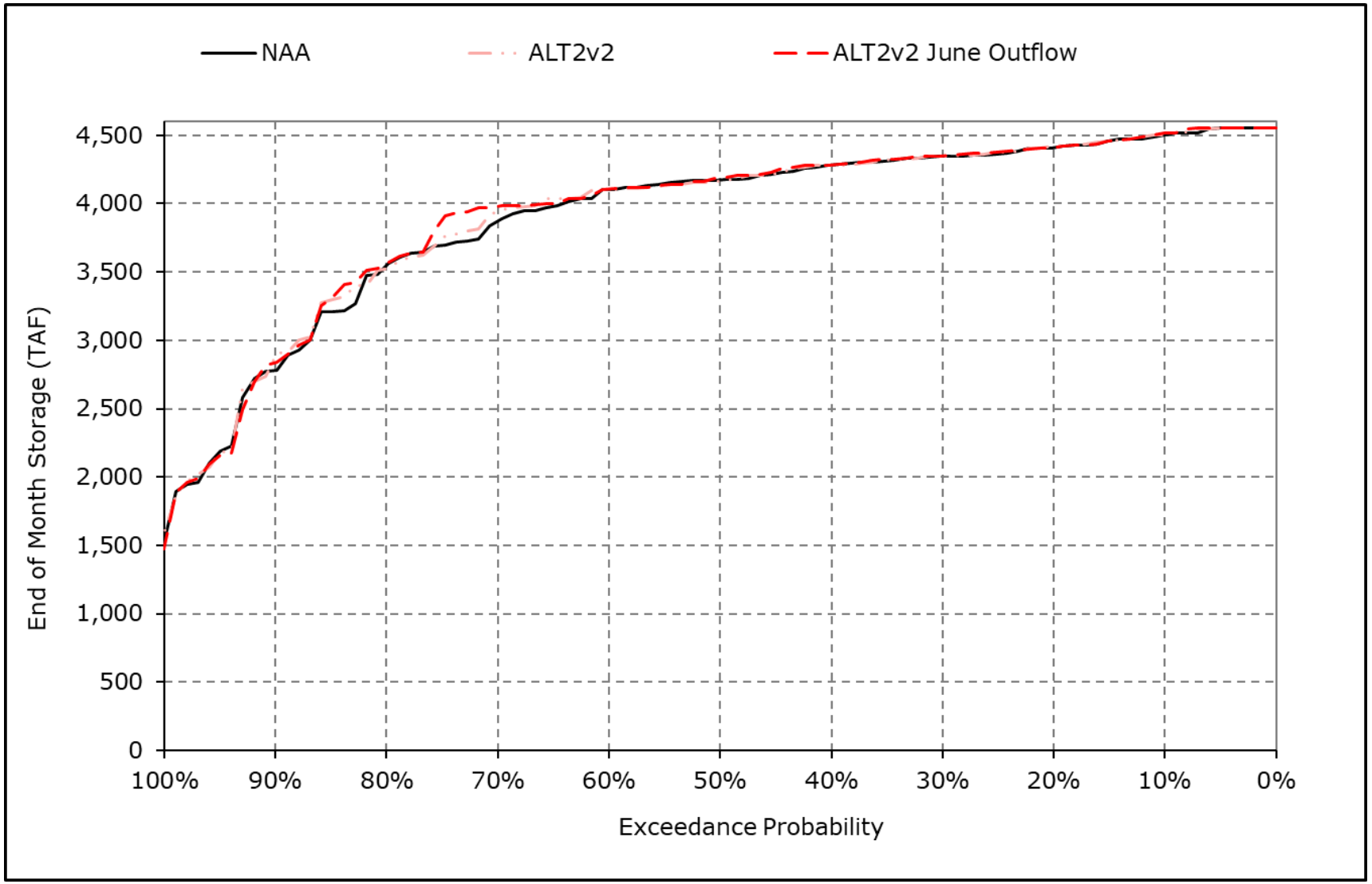
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



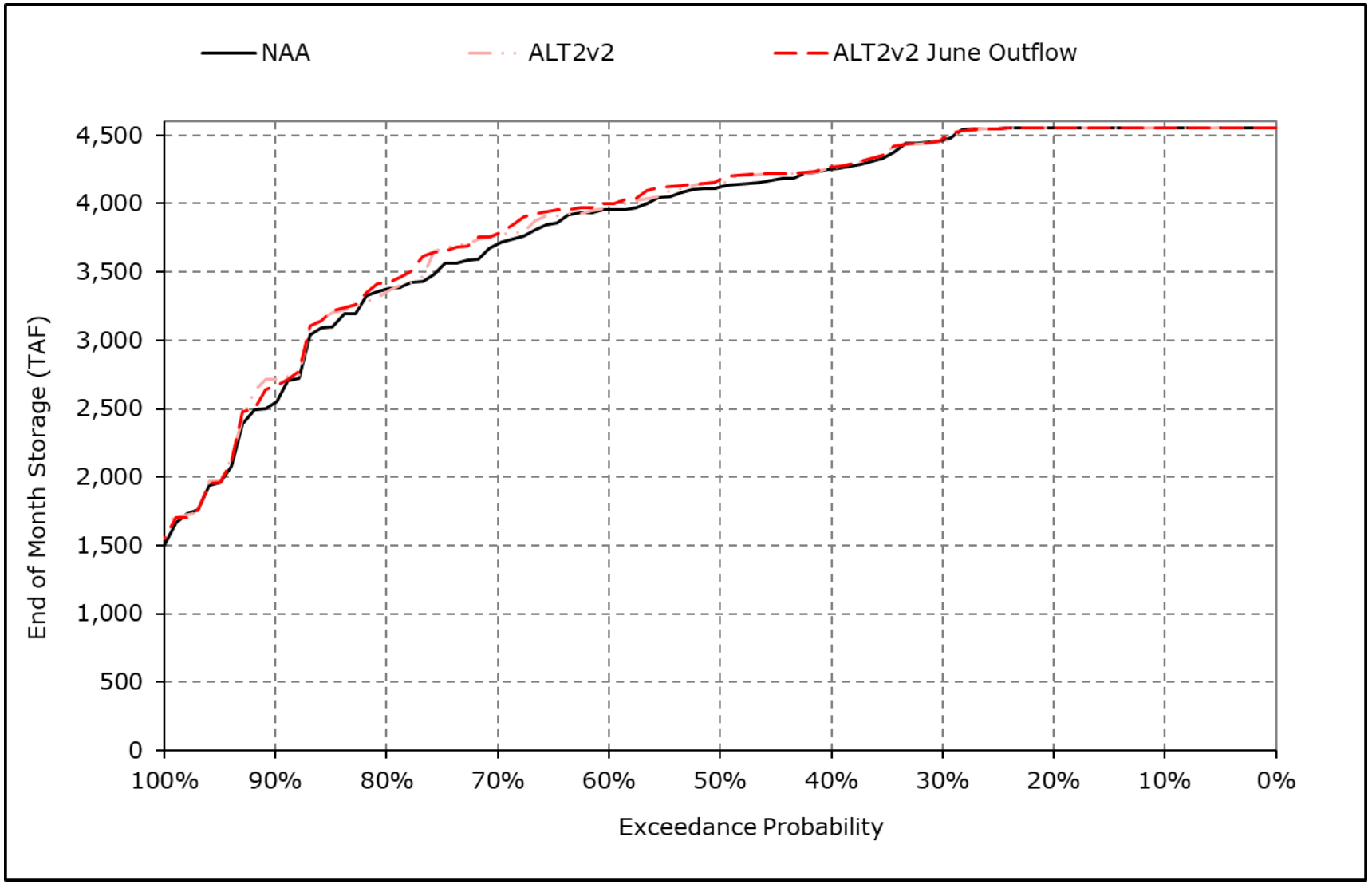
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



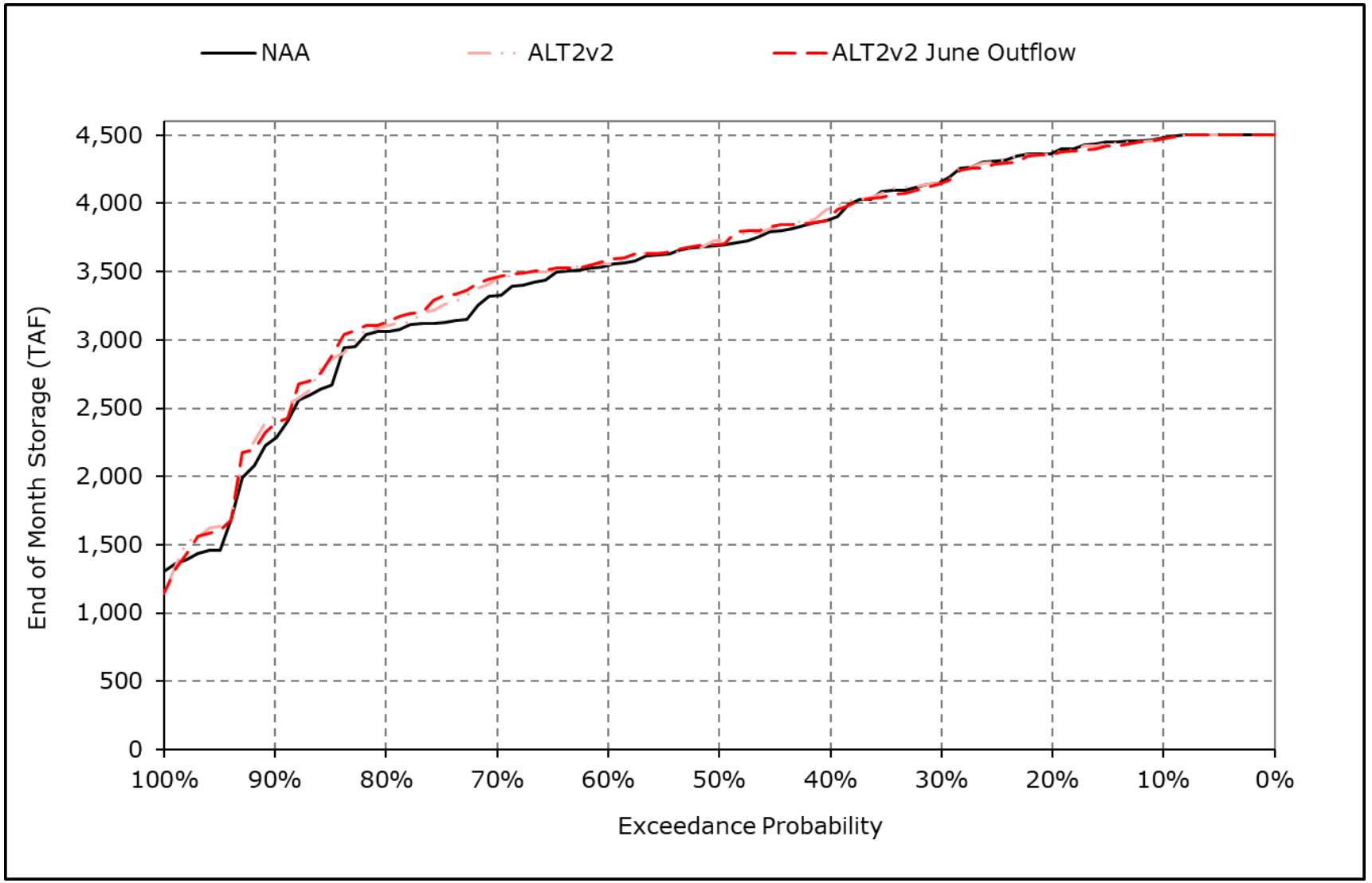
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



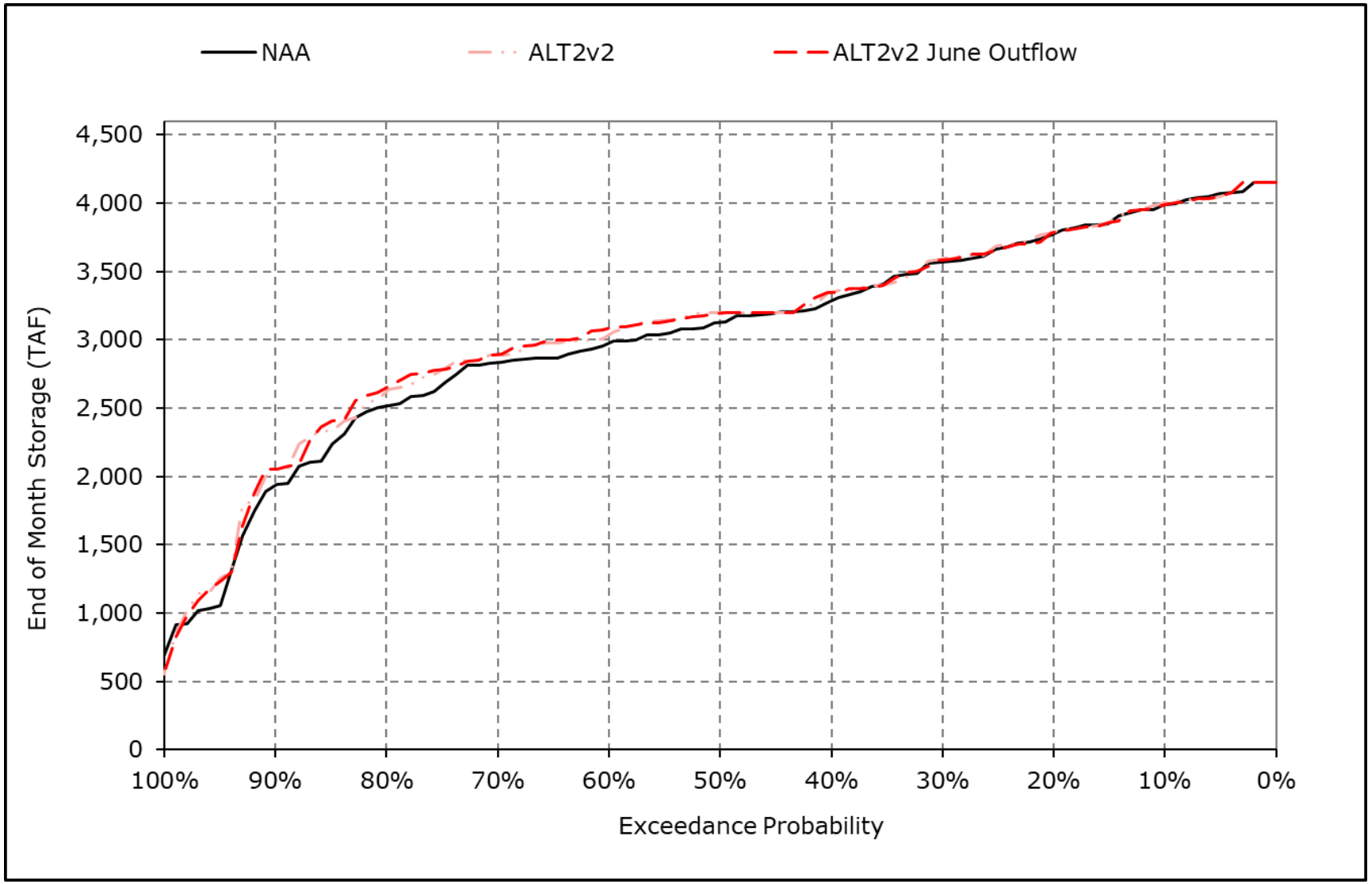
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



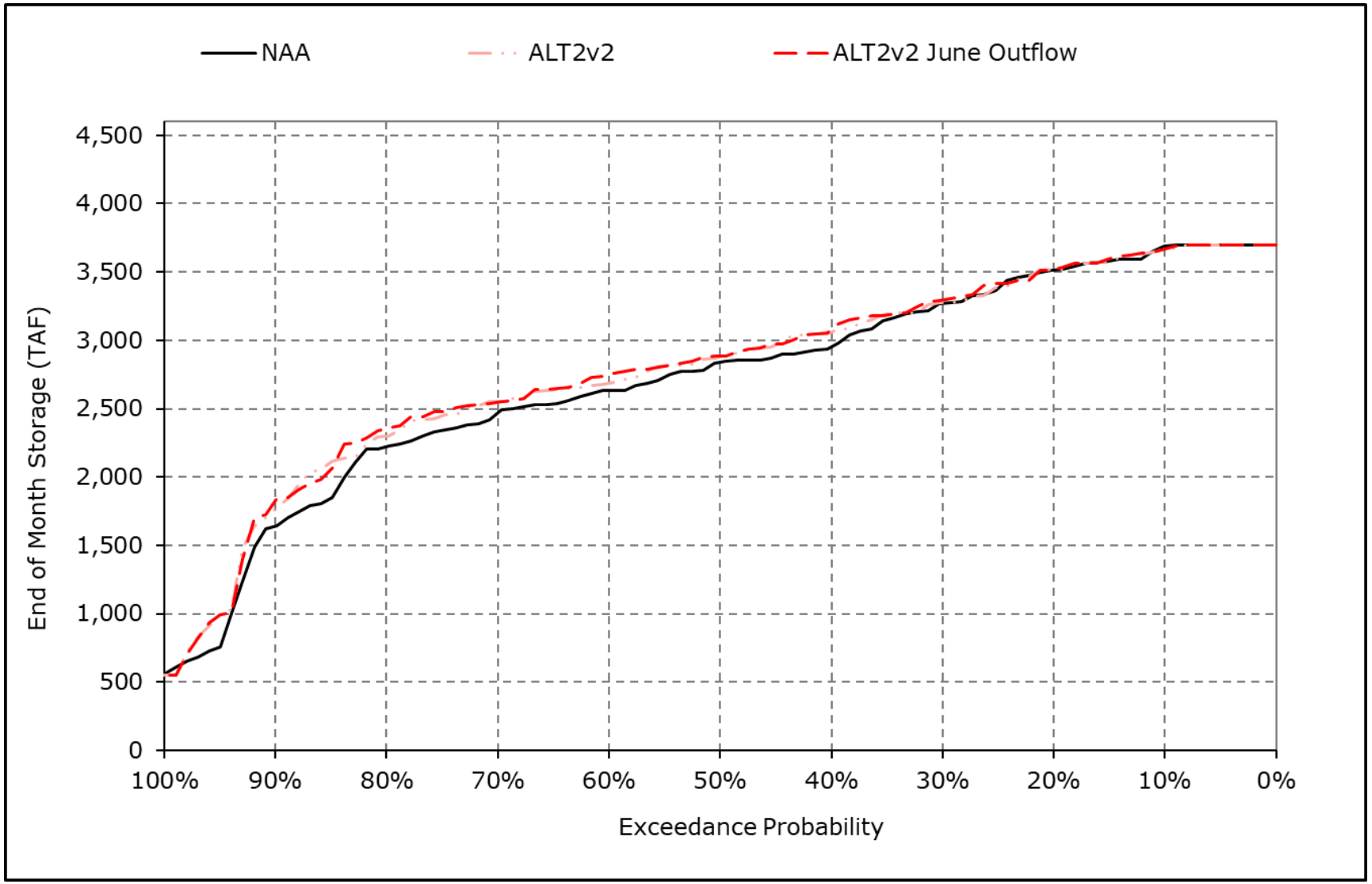
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



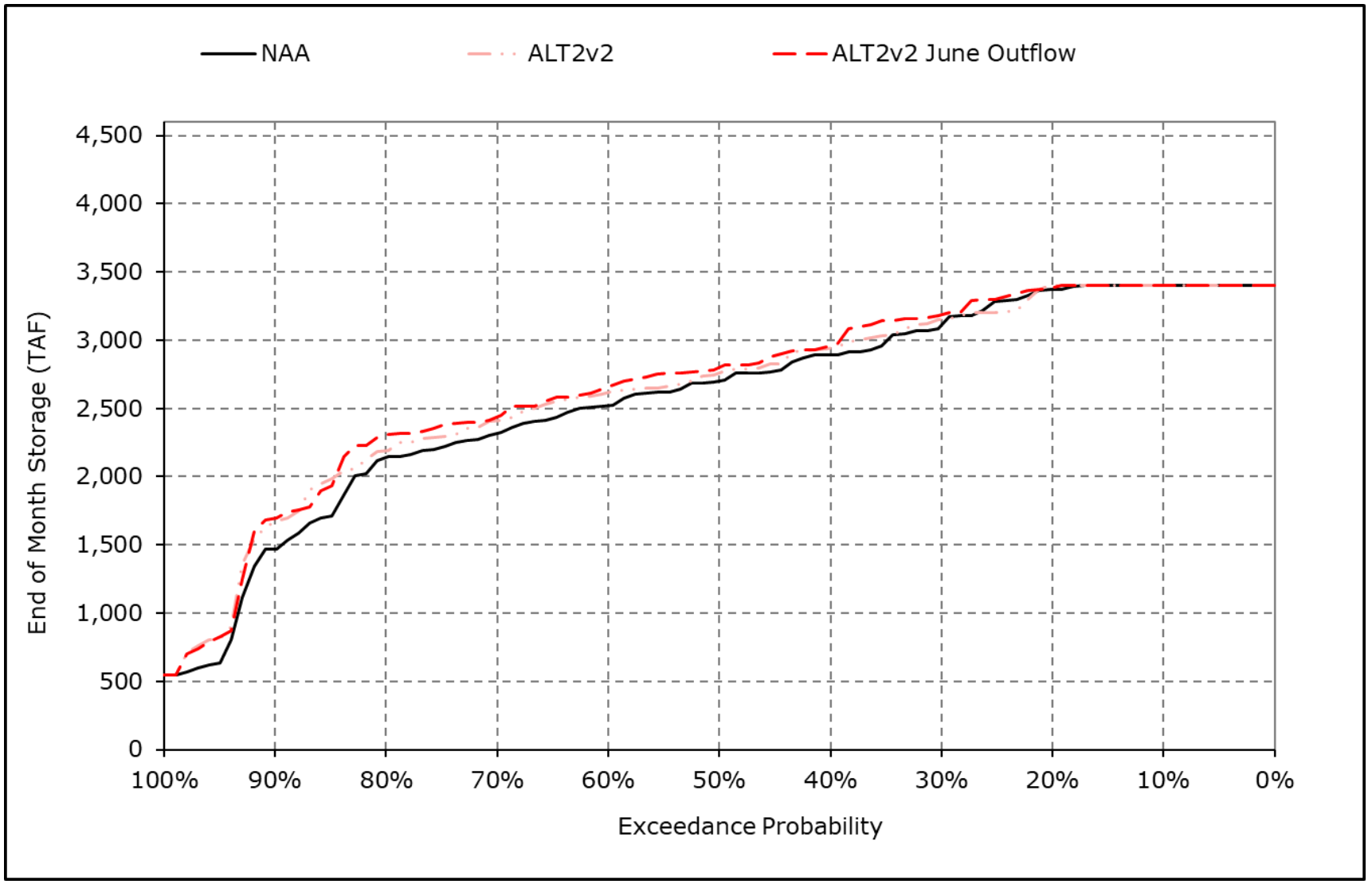
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-4-1c. Shasta Lake Elevation, ALT2v2 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.2.1-4-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

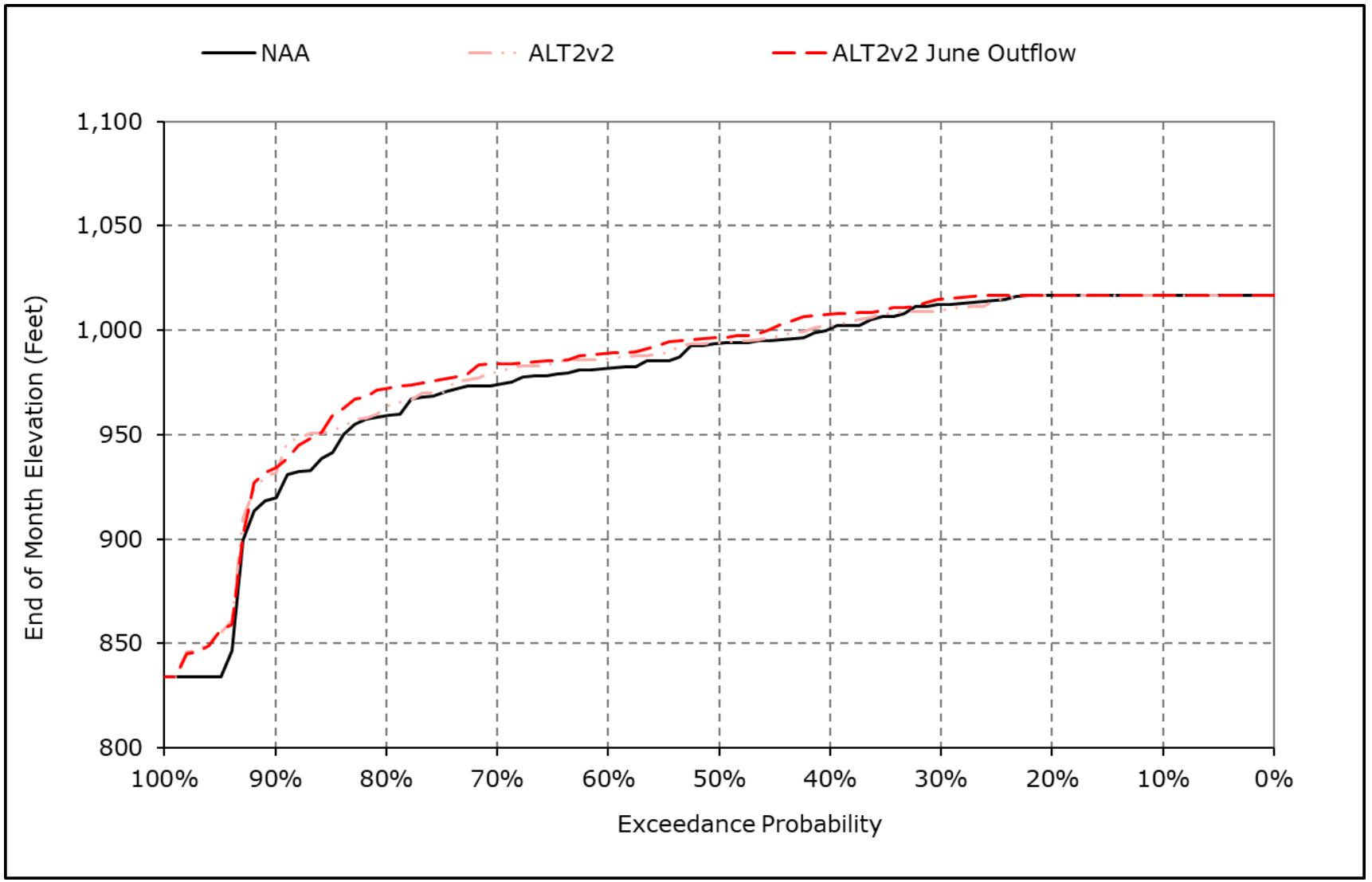
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,017	1,017	1,021	1,034	1,042	1,055	1,066	1,067	1,064	1,047	1,035	1,023
20% Exceedance	1,017	1,017	1,019	1,030	1,040	1,053	1,062	1,067	1,060	1,040	1,029	1,023
30% Exceedance	1,015	1,014	1,019	1,027	1,036	1,051	1,060	1,064	1,053	1,032	1,019	1,014
40% Exceedance	1,008	1,005	1,017	1,024	1,032	1,045	1,057	1,057	1,044	1,021	1,010	1,004
50% Exceedance	996	998	1,010	1,020	1,026	1,041	1,054	1,054	1,037	1,014	1,001	997
60% Exceedance	989	990	1,003	1,016	1,021	1,037	1,051	1,047	1,031	1,010	995	991
70% Exceedance	984	982	991	1,006	1,017	1,031	1,047	1,039	1,026	1,001	986	981
80% Exceedance	972	967	978	993	1,006	1,024	1,031	1,024	1,012	991	976	973
90% Exceedance	934	929	931	959	981	996	999	992	978	959	946	938
Full Simulation Period Average[a]	984	983	993	1,007	1,017	1,032	1,043	1,041	1,029	1,006	992	986
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	1,017
Above Normal Water Years (14%)	1,002	999	1,010	1,019	1,030	1,047	1,061	1,060	1,048	1,022	1,009	1,004
Below Normal Water Years (18%)	989	989	1,000	1,009	1,023	1,041	1,052	1,047	1,034	1,011	996	992
Dry Water Years (24%)	988	989	996	1,007	1,023	1,040	1,046	1,041	1,027	1,006	992	988
Critical Water Years (16%)	903	898	919	961	971	983	984	979	961	933	917	910

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

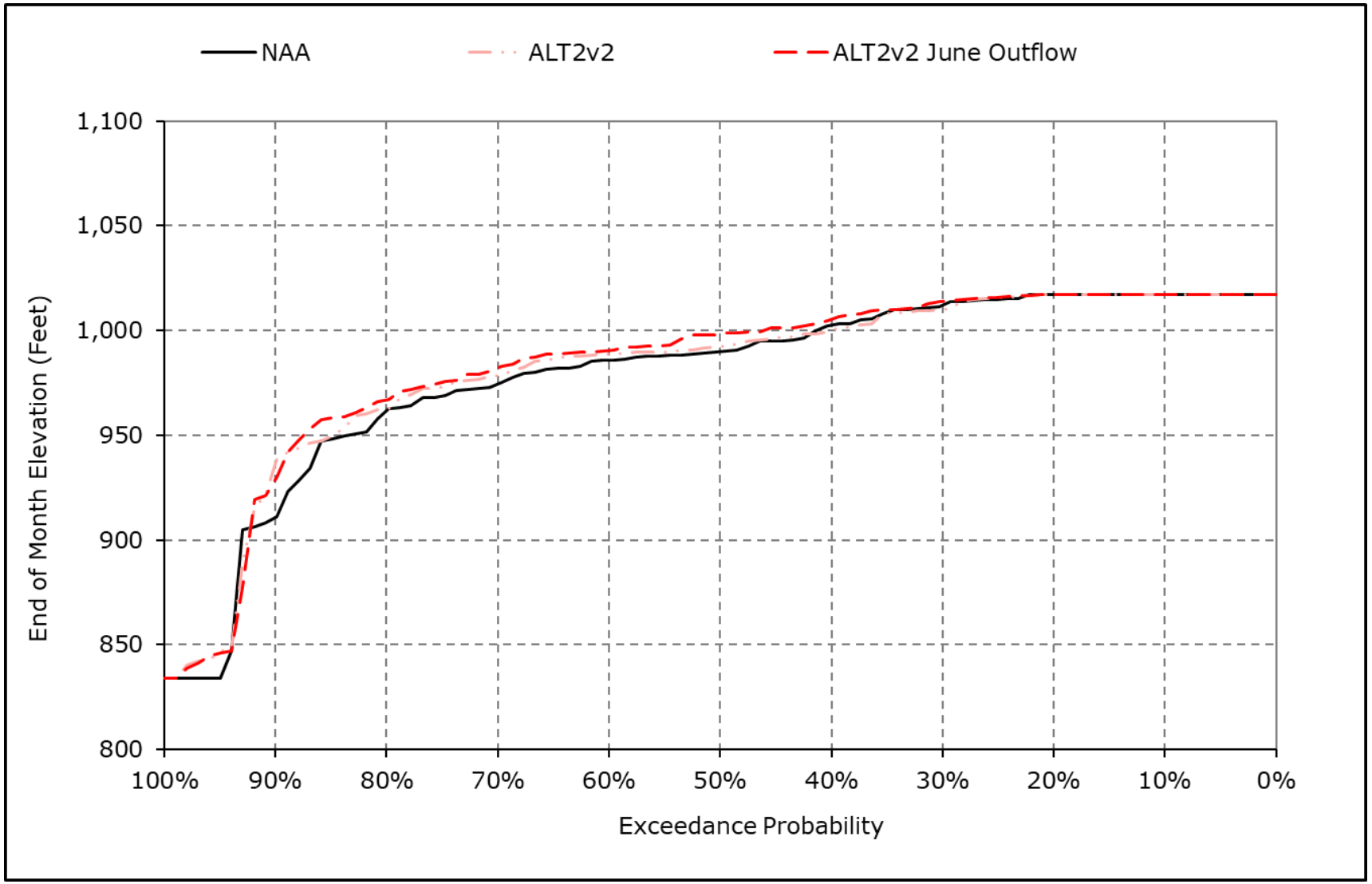
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	1	0	0	0	0	-1	0
20% Exceedance	0	0	0	0	0	1	0	0	0	0	0	1
30% Exceedance	3	2	0	0	1	1	0	0	0	1	1	3
40% Exceedance	7	3	0	2	1	0	0	0	1	3	5	3
50% Exceedance	3	8	1	3	1	0	0	2	1	3	2	4
60% Exceedance	7	4	4	2	1	3	0	2	1	5	5	6
70% Exceedance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



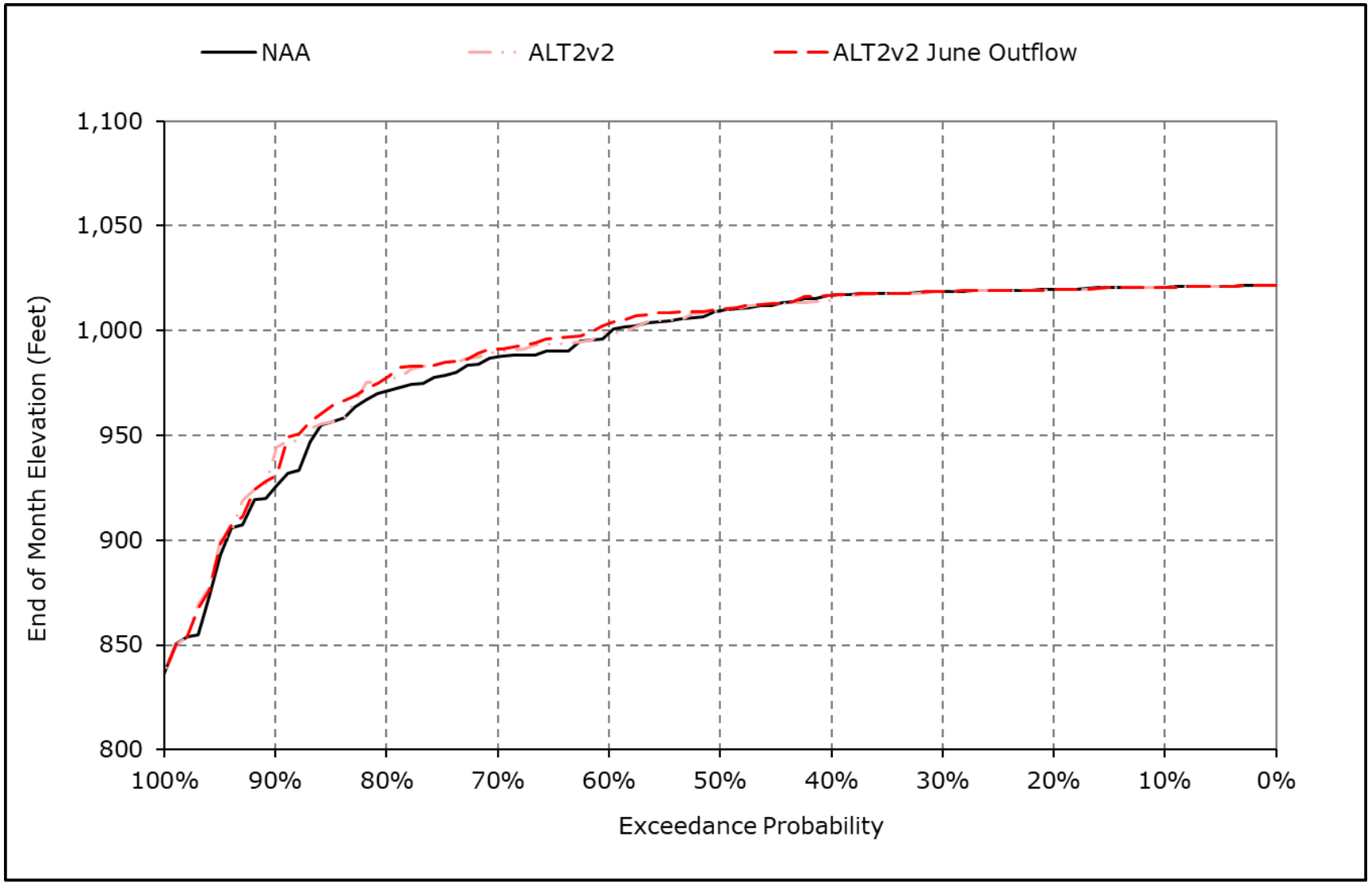
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



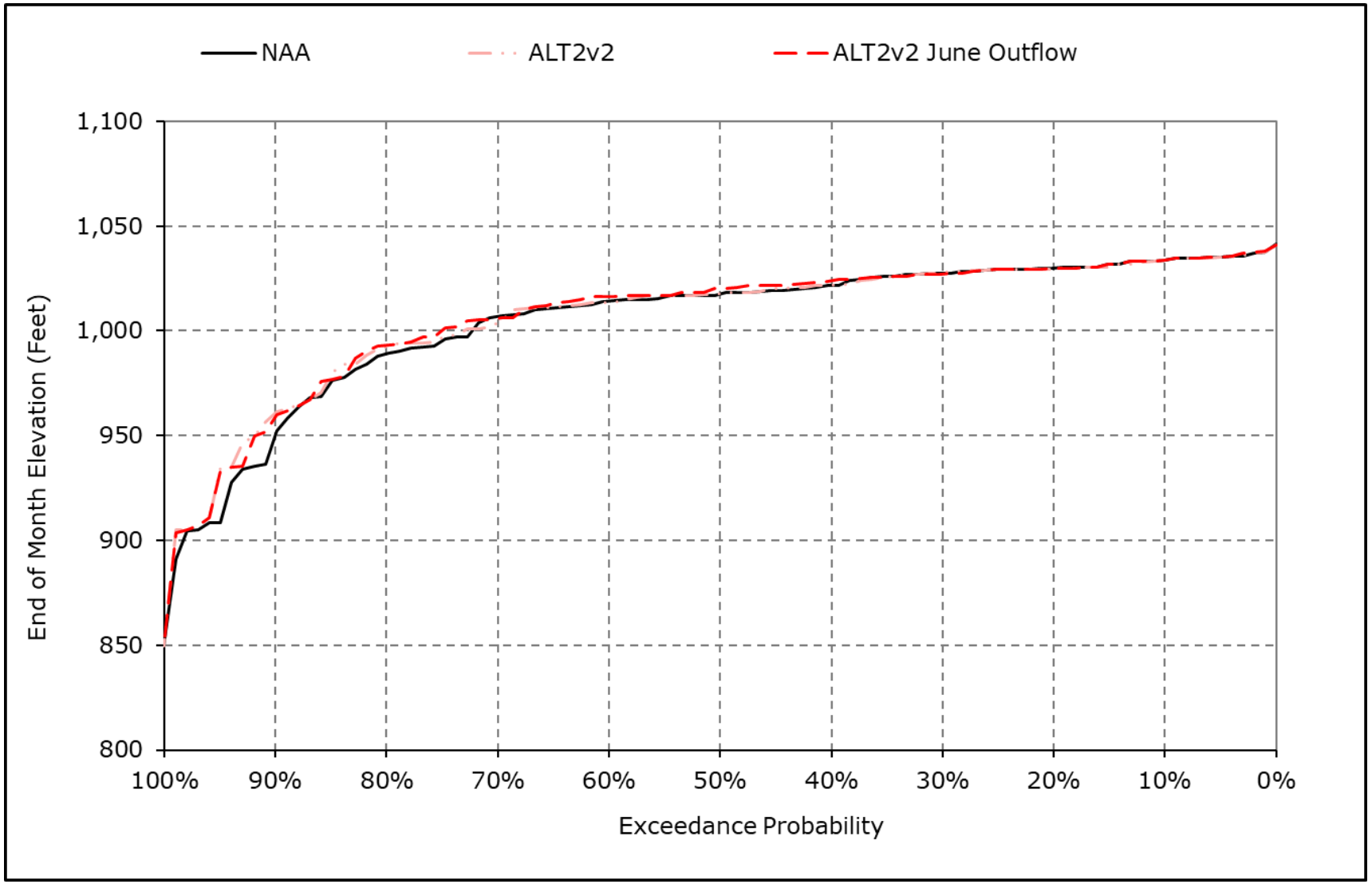
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



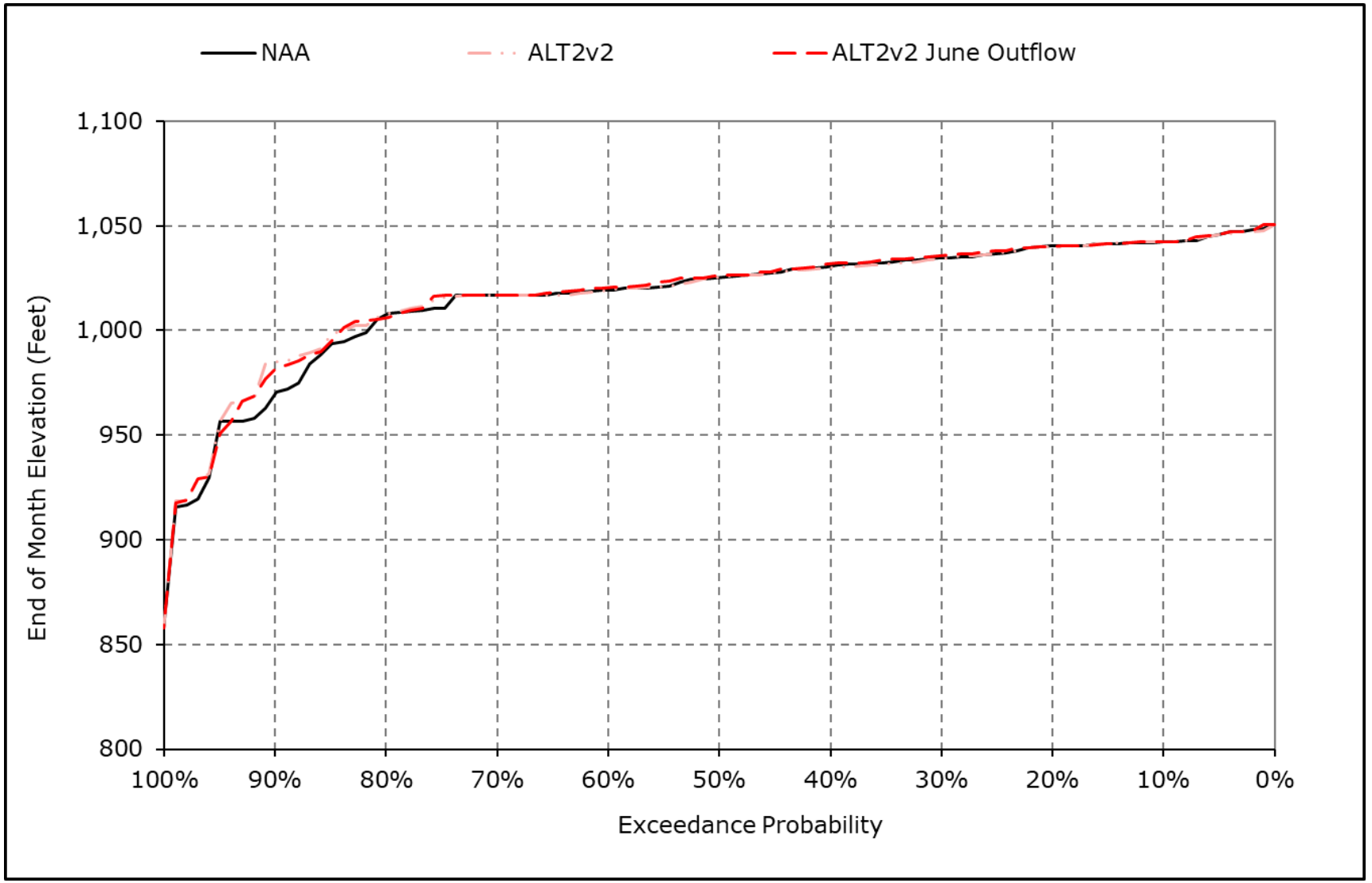
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



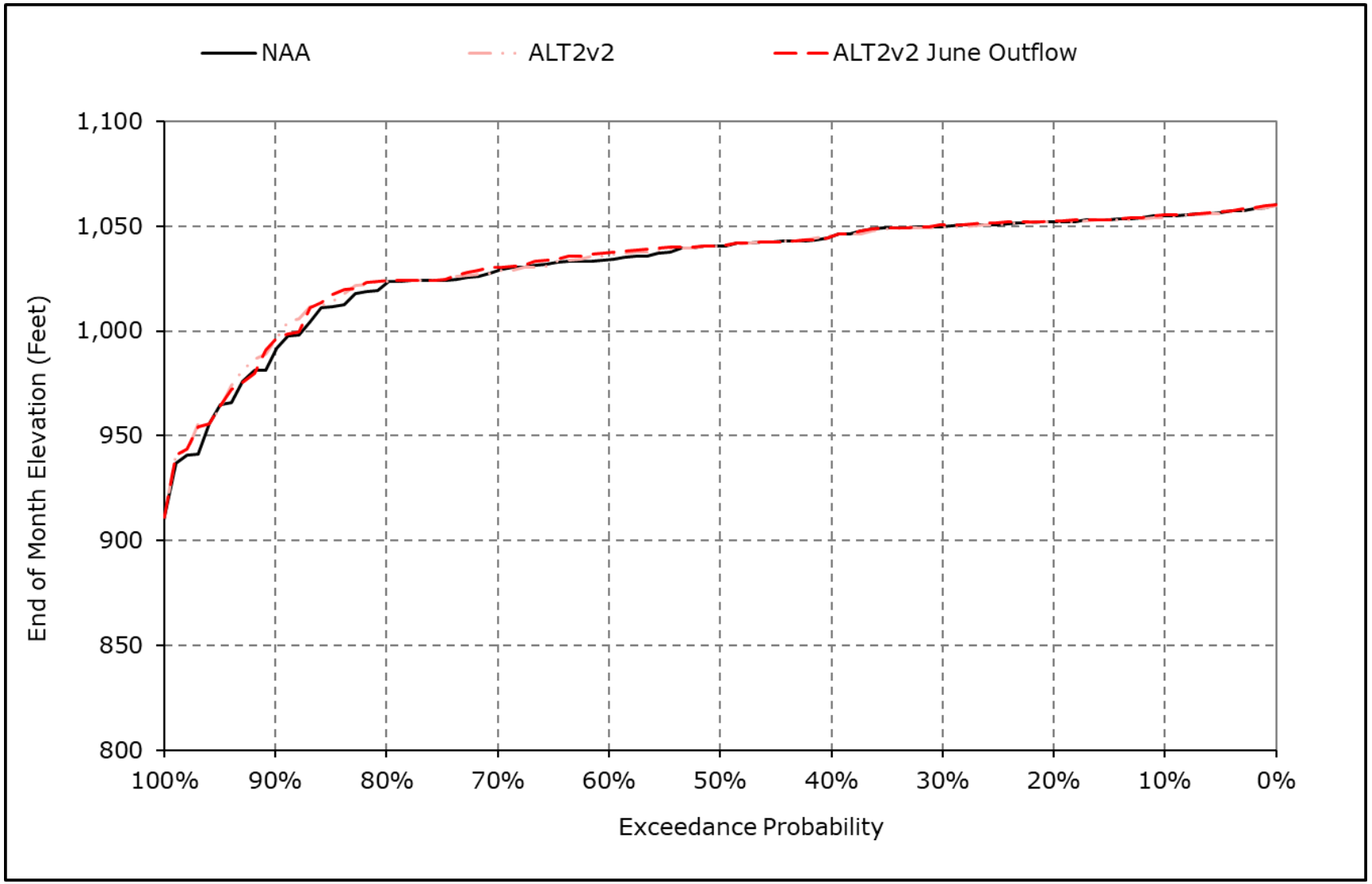
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



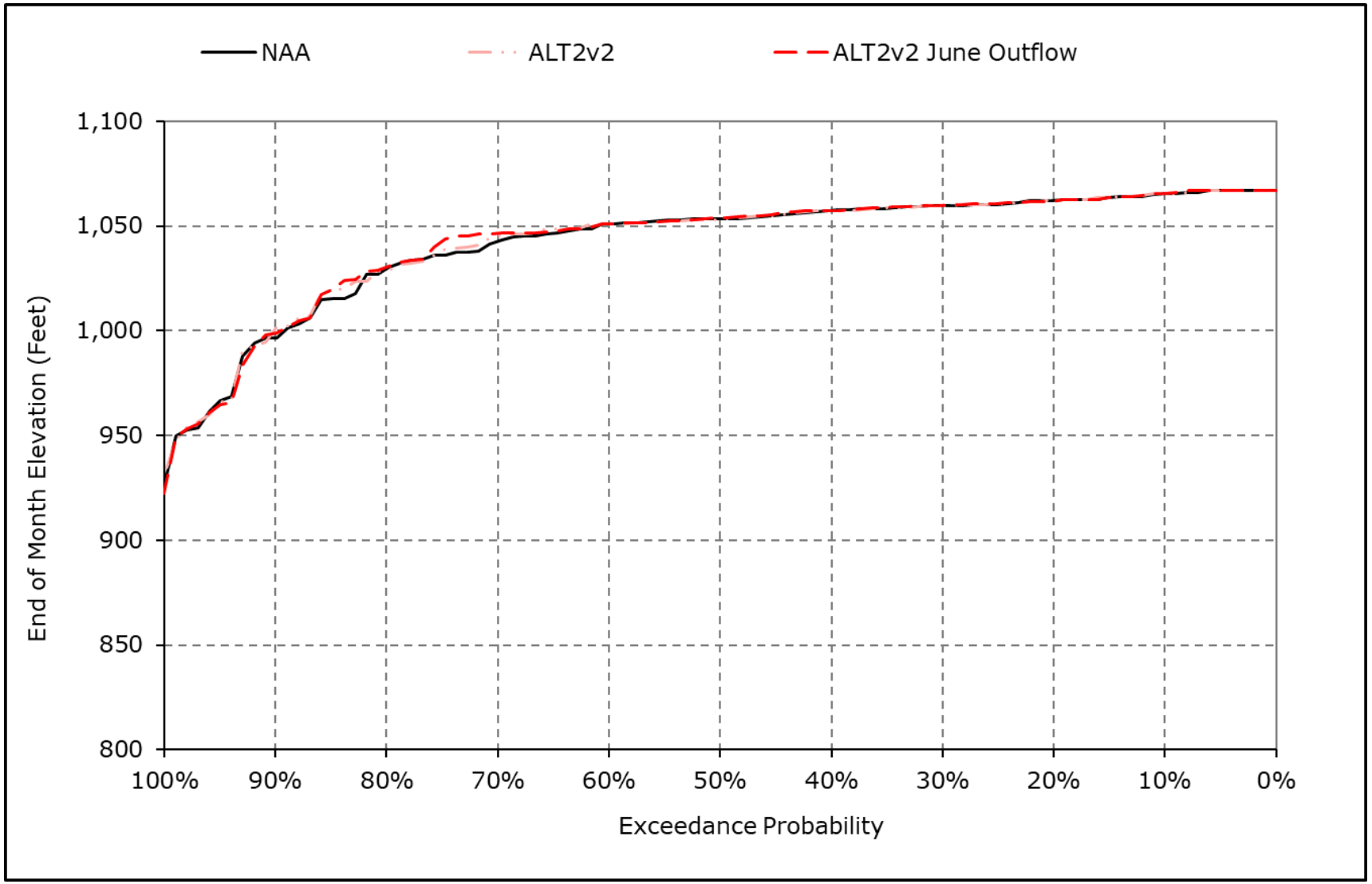
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



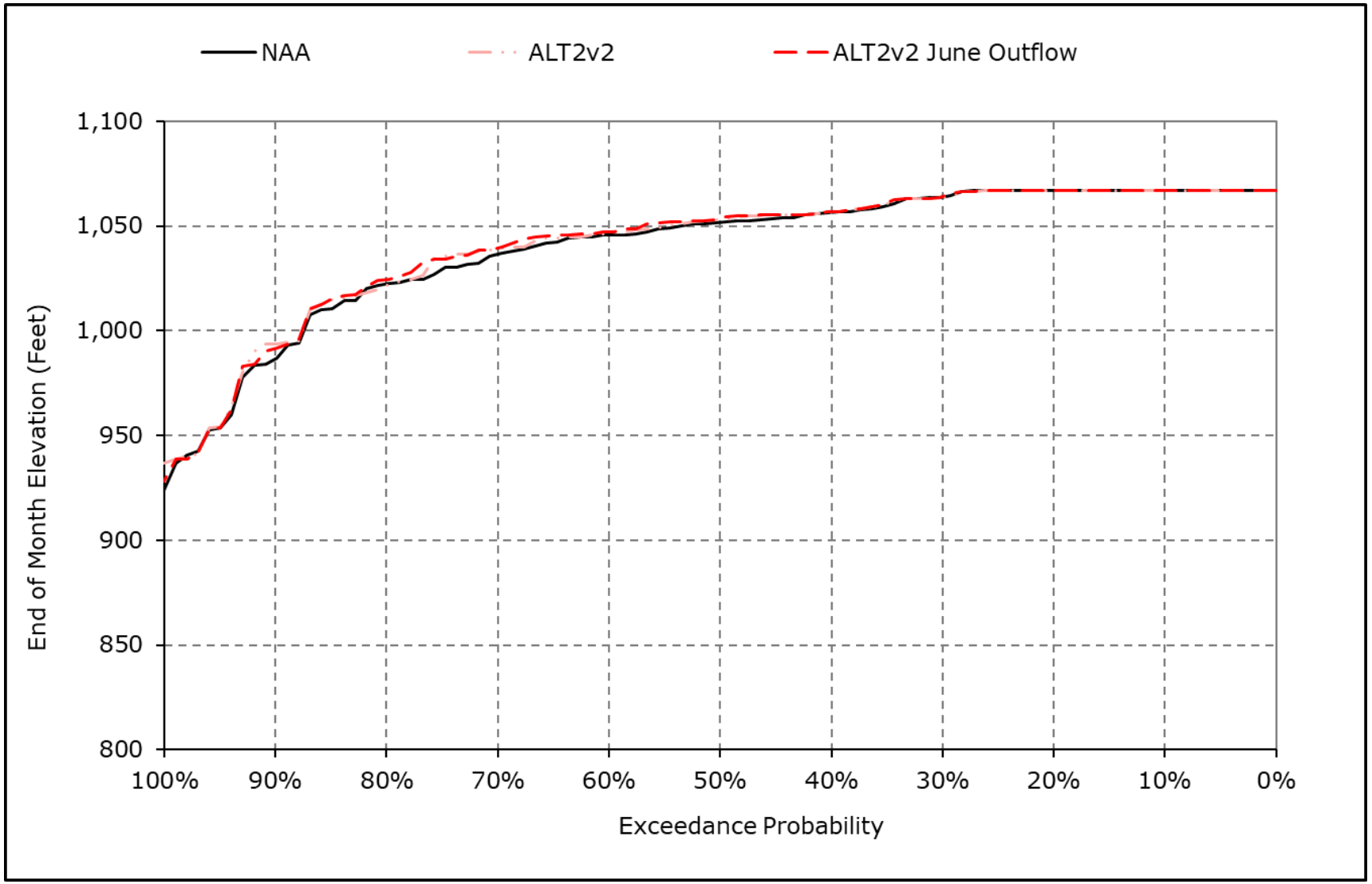
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



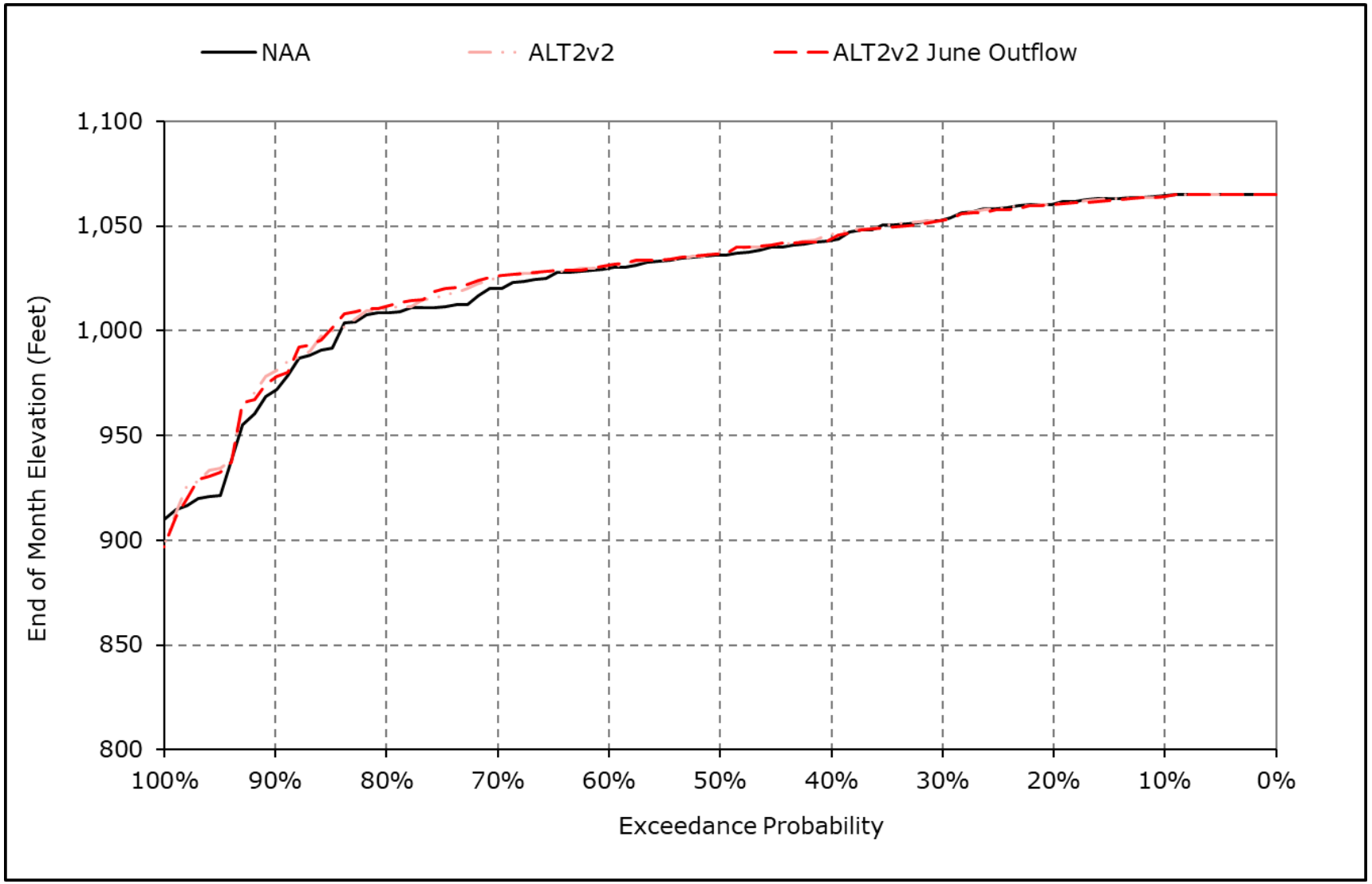
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



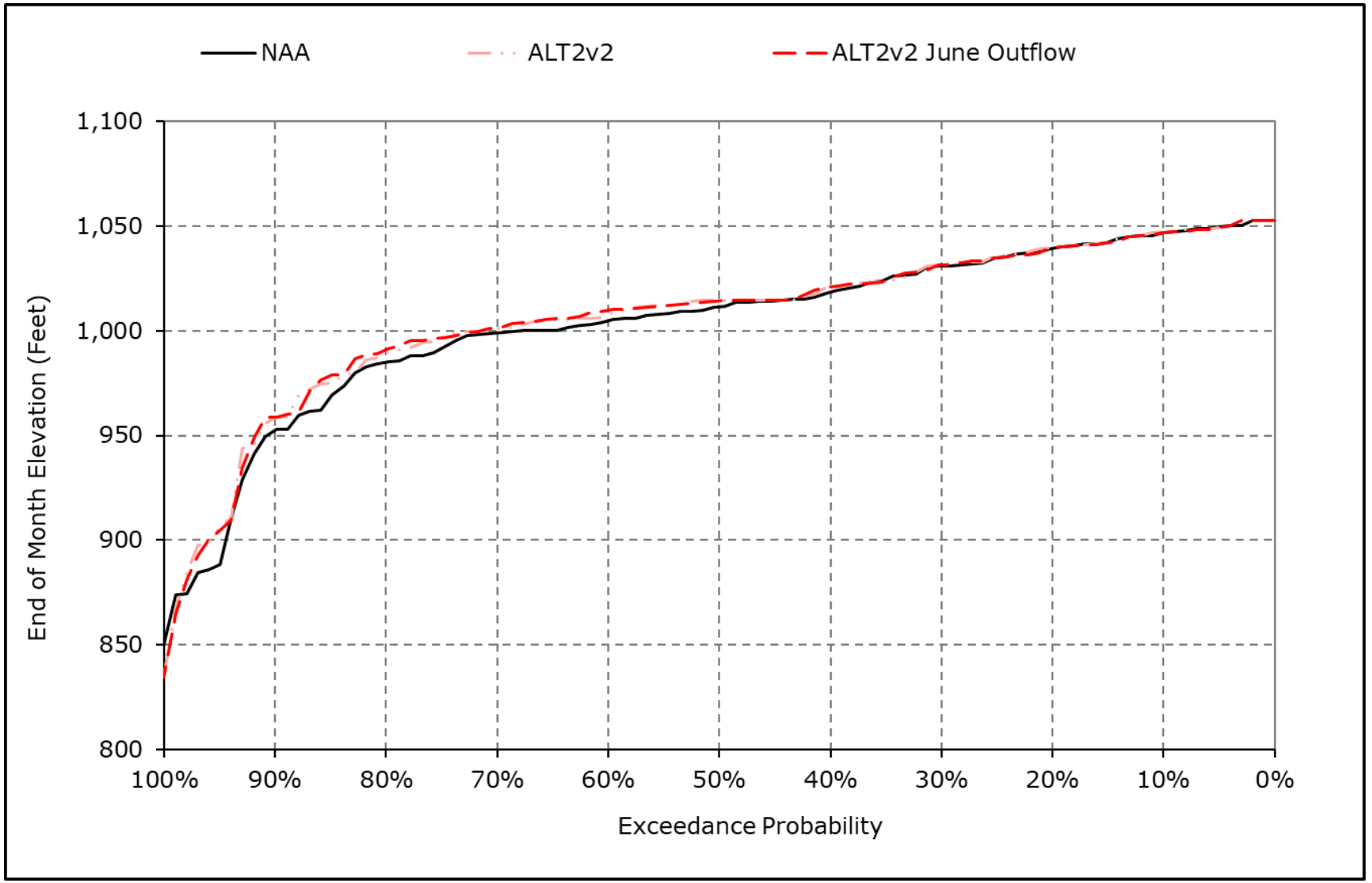
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



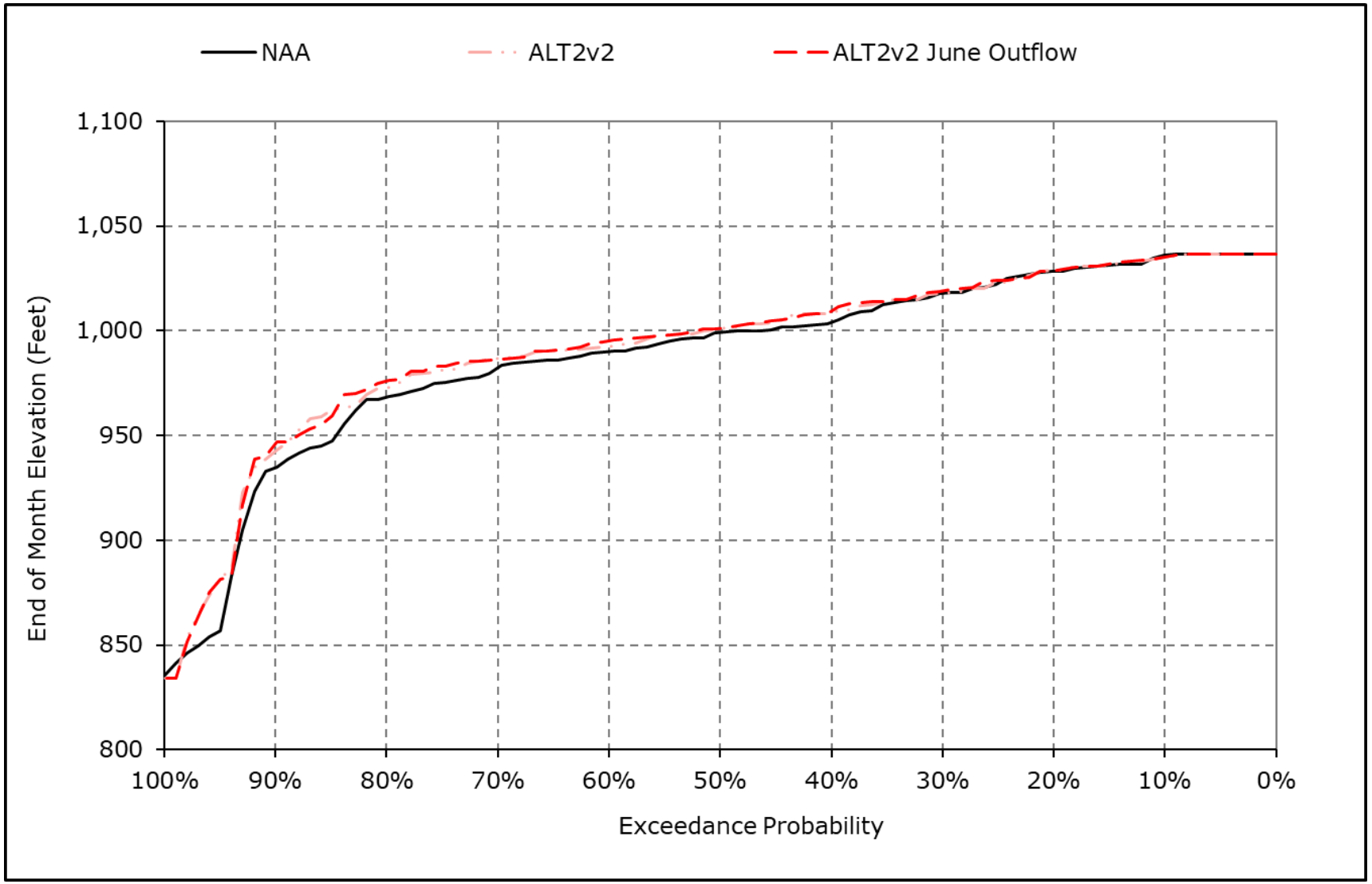
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



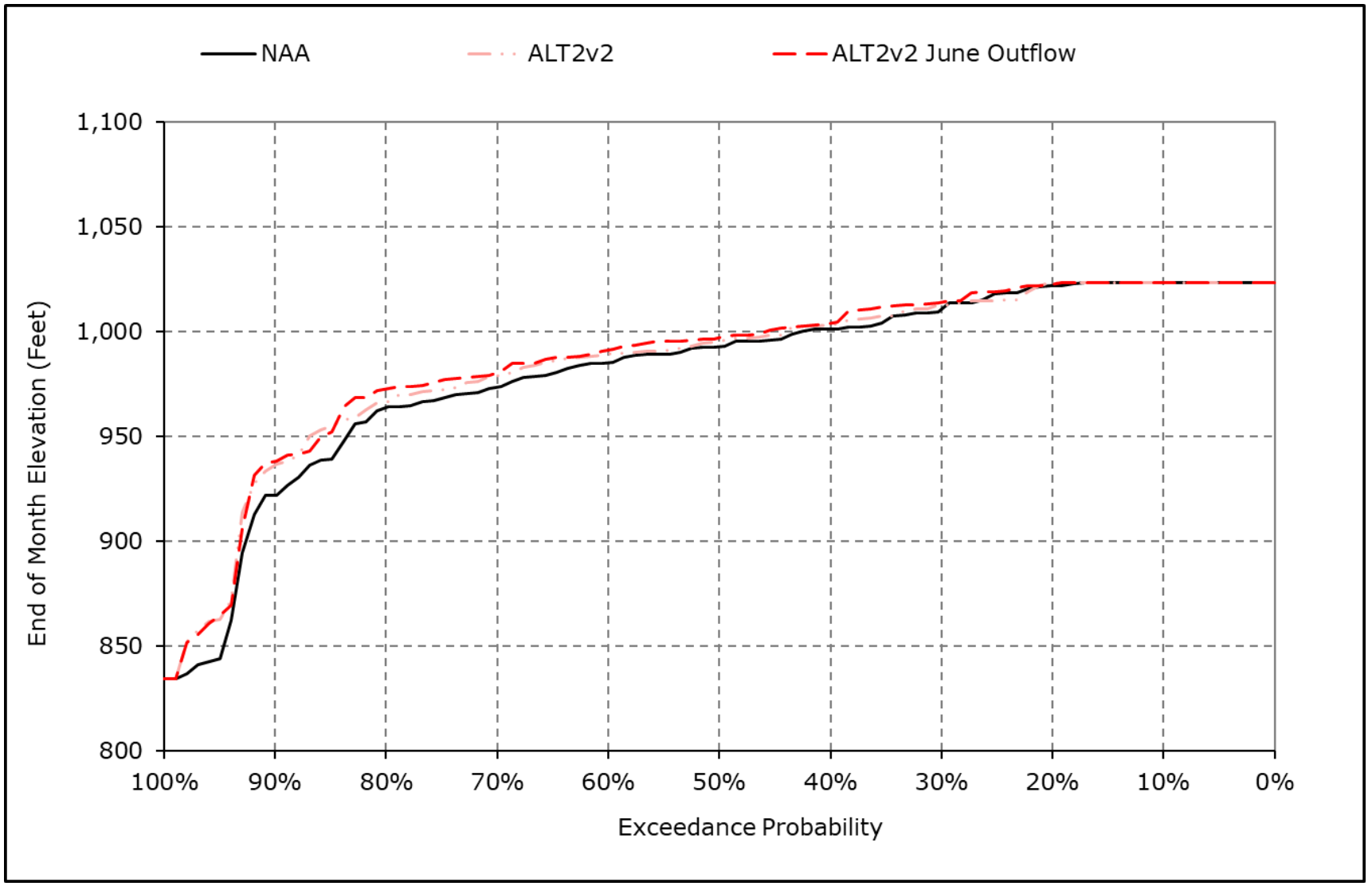
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-5-1c. Lake Oroville Storage, ALT2v2 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.2.1-5-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

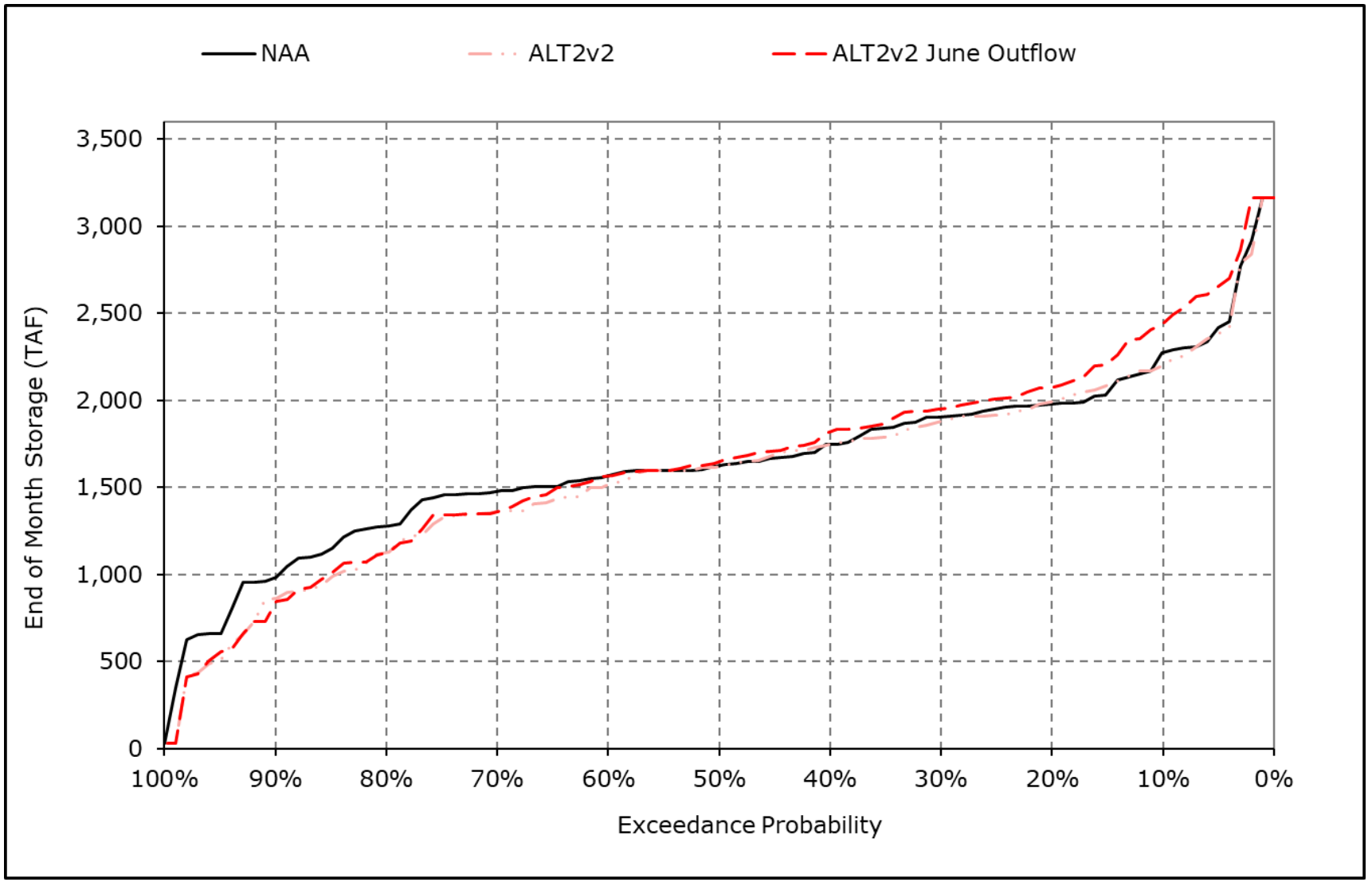
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	2,511	2,788	2,856	2,962	3,058	3,352	3,538	3,538	2,962	2,634	2,566
20% Exceedance	2,076	2,220	2,647	2,788	2,807	2,996	3,298	3,538	3,402	2,826	2,374	2,115
30% Exceedance	1,951	2,010	2,339	2,731	2,788	2,930	3,278	3,365	3,116	2,533	2,123	2,029
40% Exceedance	1,820	1,819	2,020	2,463	2,762	2,803	3,211	3,227	3,015	2,391	1,907	1,909
50% Exceedance	1,649	1,709	1,912	2,017	2,452	2,788	3,034	3,049	2,822	2,223	1,751	1,711
60% Exceedance	1,566	1,578	1,682	1,754	2,094	2,566	2,793	2,829	2,520	1,899	1,592	1,594
70% Exceedance	1,359	1,406	1,503	1,599	1,912	2,257	2,489	2,389	2,112	1,635	1,408	1,416
80% Exceedance	1,127	1,109	1,251	1,424	1,620	1,956	2,079	2,058	1,748	1,419	1,183	1,191
90% Exceedance	834	822	885	1,180	1,395	1,598	1,664	1,595	1,550	1,074	773	763
Full Simulation Period Average[a]	1,648	1,674	1,874	2,062	2,281	2,497	2,747	2,779	2,591	2,081	1,754	1,699
Wet Water Years (28%)	2,299	2,306	2,412	2,732	2,875	2,930	3,292	3,456	3,359	2,846	2,497	2,411
Above Normal Water Years (14%)	1,852	1,870	2,048	2,217	2,594	2,953	3,290	3,363	3,190	2,580	2,107	1,928
Below Normal Water Years (18%)	1,638	1,657	1,970	2,135	2,364	2,667	2,972	2,963	2,750	2,149	1,734	1,715
Dry Water Years (24%)	1,379	1,465	1,716	1,660	1,938	2,251	2,426	2,386	2,122	1,629	1,387	1,387
Critical Water Years (16%)	669	651	833	1,272	1,385	1,521	1,547	1,468	1,245	906	722	699

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

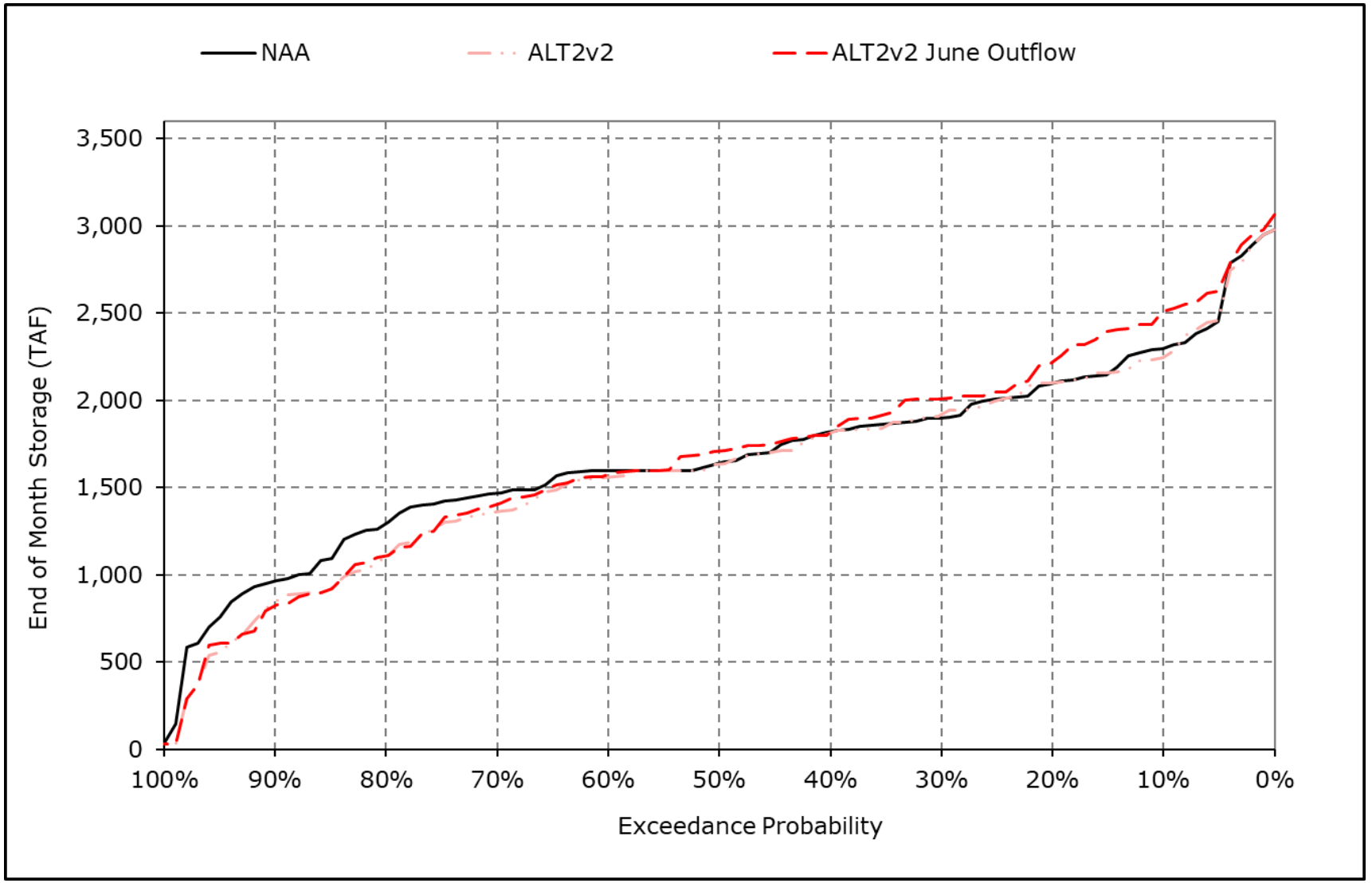
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	166	211	0	9	0	0	0	0	0	-15	120	221
20% Exceedance	96	124	169	0	19	6	0	0	-23	-17	0	57
30% Exceedance	47	110	76	159	0	0	0	0	-29	1	35	43
40% Exceedance	72	-2	8	90	85	12	-3	10	-4	15	13	34
50% Exceedance	24	69	83	-29	-4	21	-12	10	-6	40	36	54
60% Exceedance	-1	-20	71	-16	-21	16	-1	26	1	-7	0	0
70% Exceedance	-119	-63	-29	-17	33	63	-25	-25	-1	-27	-114	-93
80% Exceedance	-151	-184	-127	-57	-126	-48	-30	2	-132	-100	-129	-123
90% Exceedance	-150	-144	-227	-122	-107	-188	-239	-214	-43	-230	-325	-306
Full Simulation Period Average[a]	-2	0	-5	-15	-21	-24	-30	-25	-38	-44	-42	-15
Wet Water Years (28%)	151	151	139	-8	0	0	0	-1	-32	-19	31	133
Above Normal Water Years (14%)	41	34	27	-16	-37	-3	0	0	-17	-1	33	26
Below Normal Water Years (18%)	-28	-31	-29	66	35	1	4	36	27	24	-27	-17
Dry Water Years (24%)	3	1	-14	5	10	11	11	12	28	18	3	2
Critical Water Years (16%)	-307	-278	-261	-147	-153	-165	-210	-215	-241	-296	-316	-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.



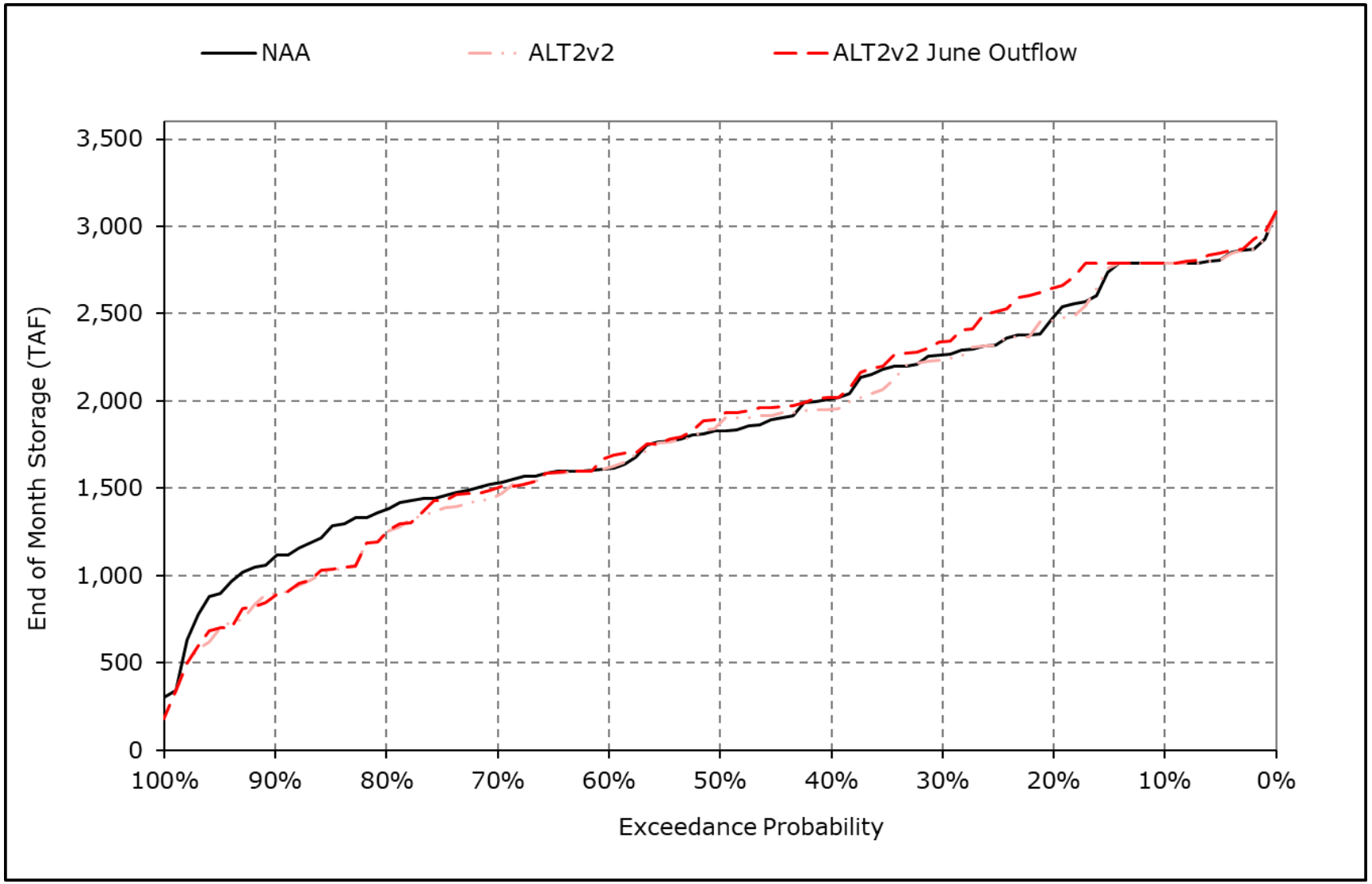
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



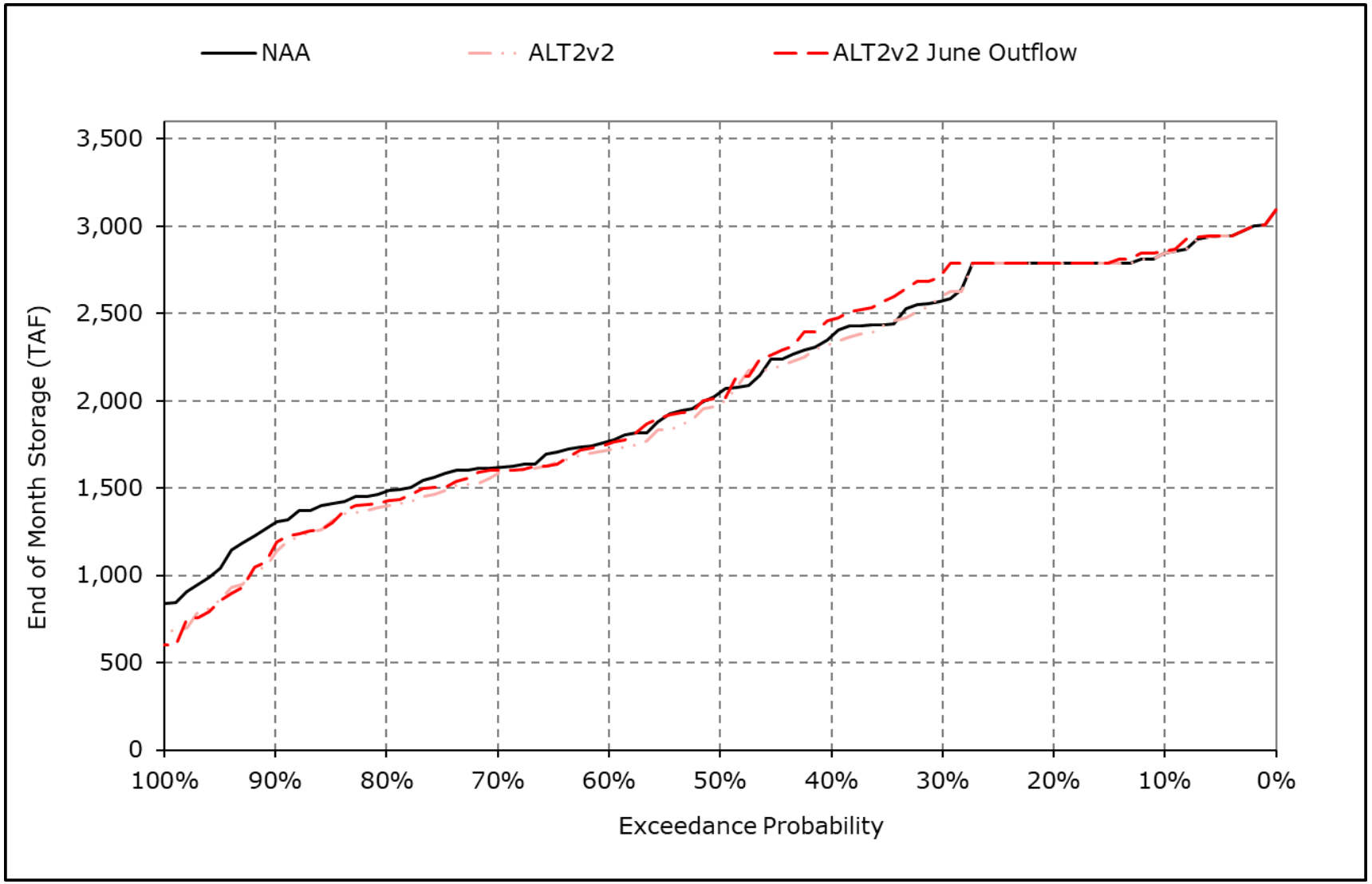
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



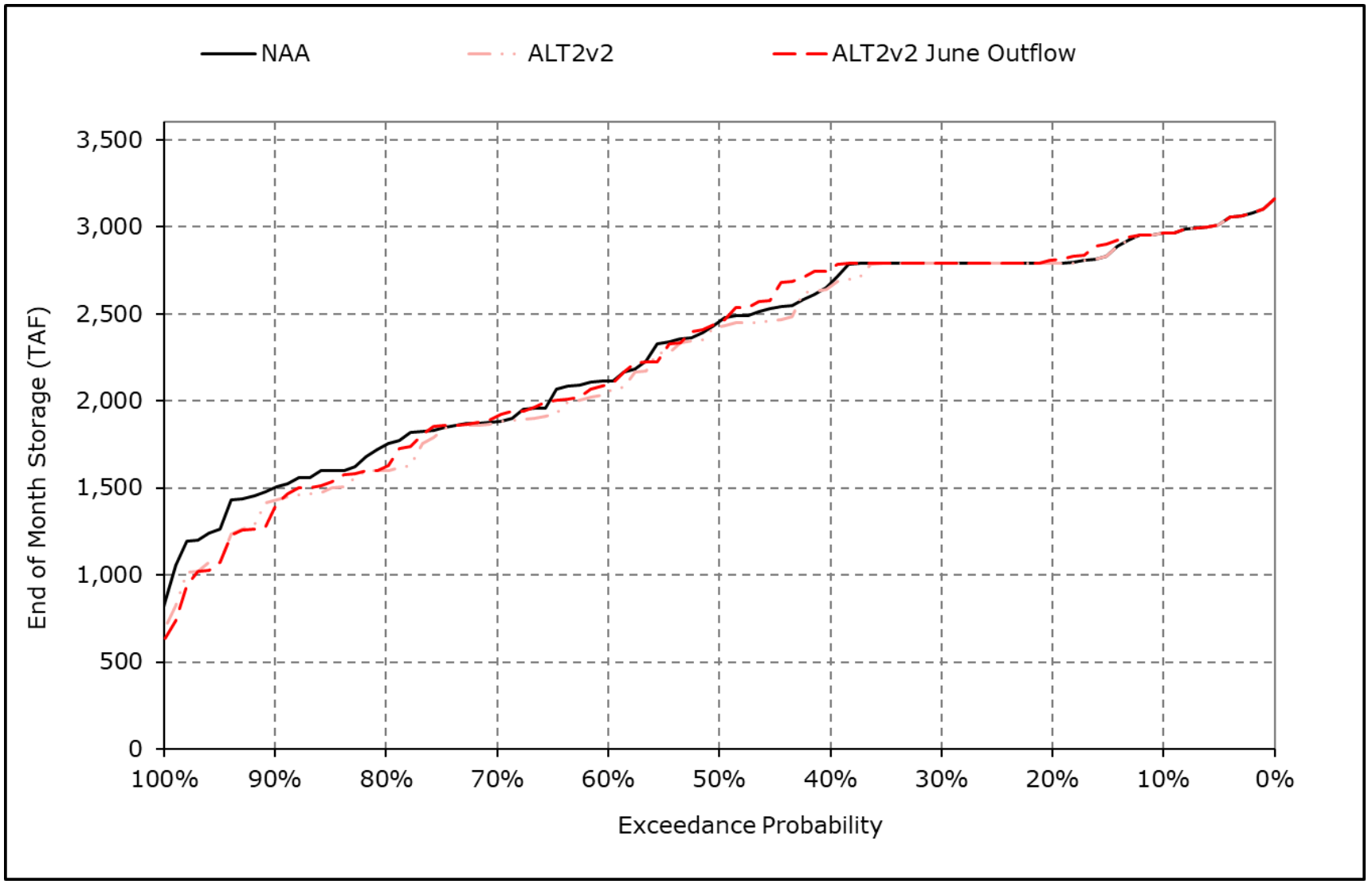
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



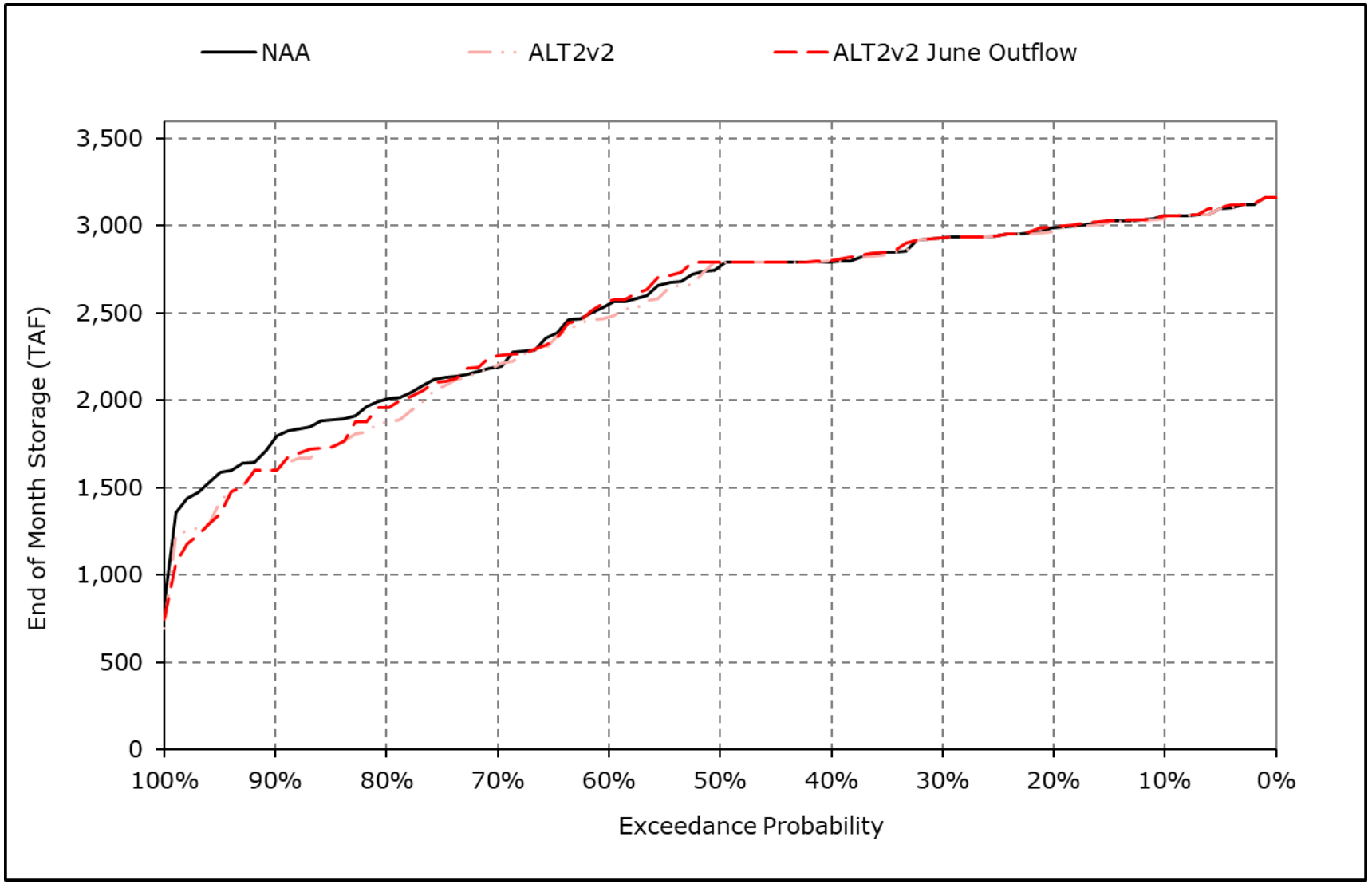
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



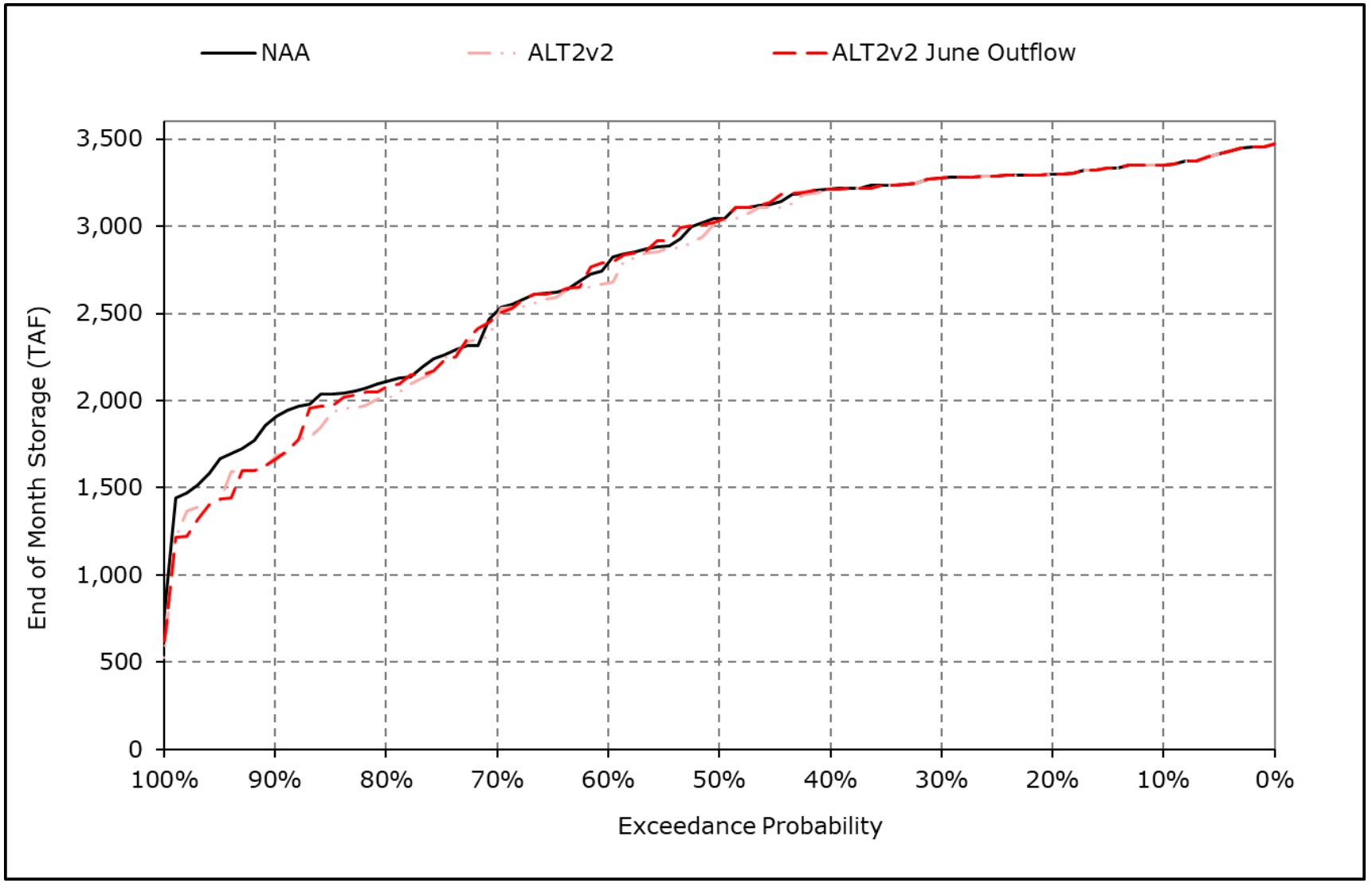
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



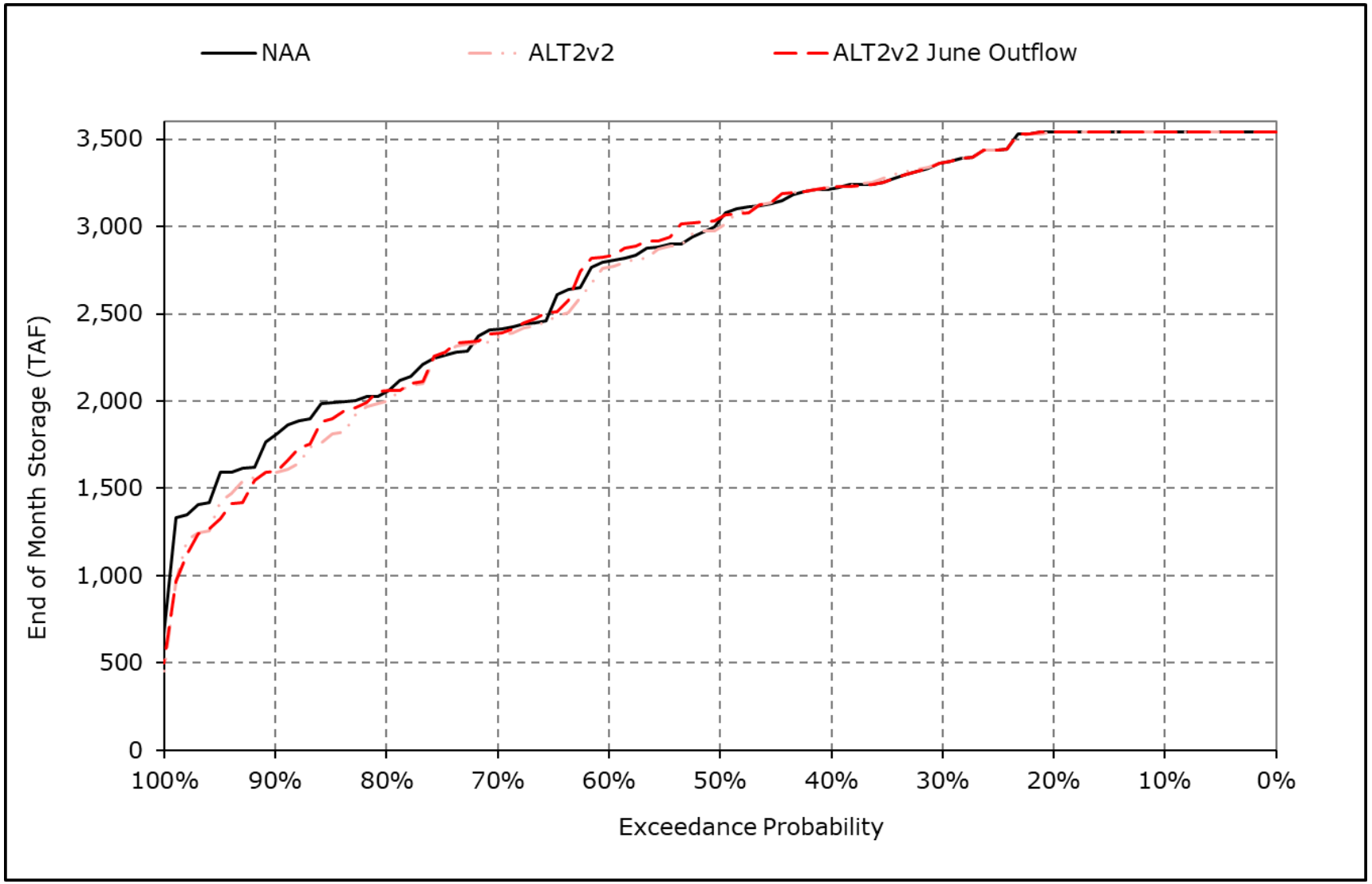
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



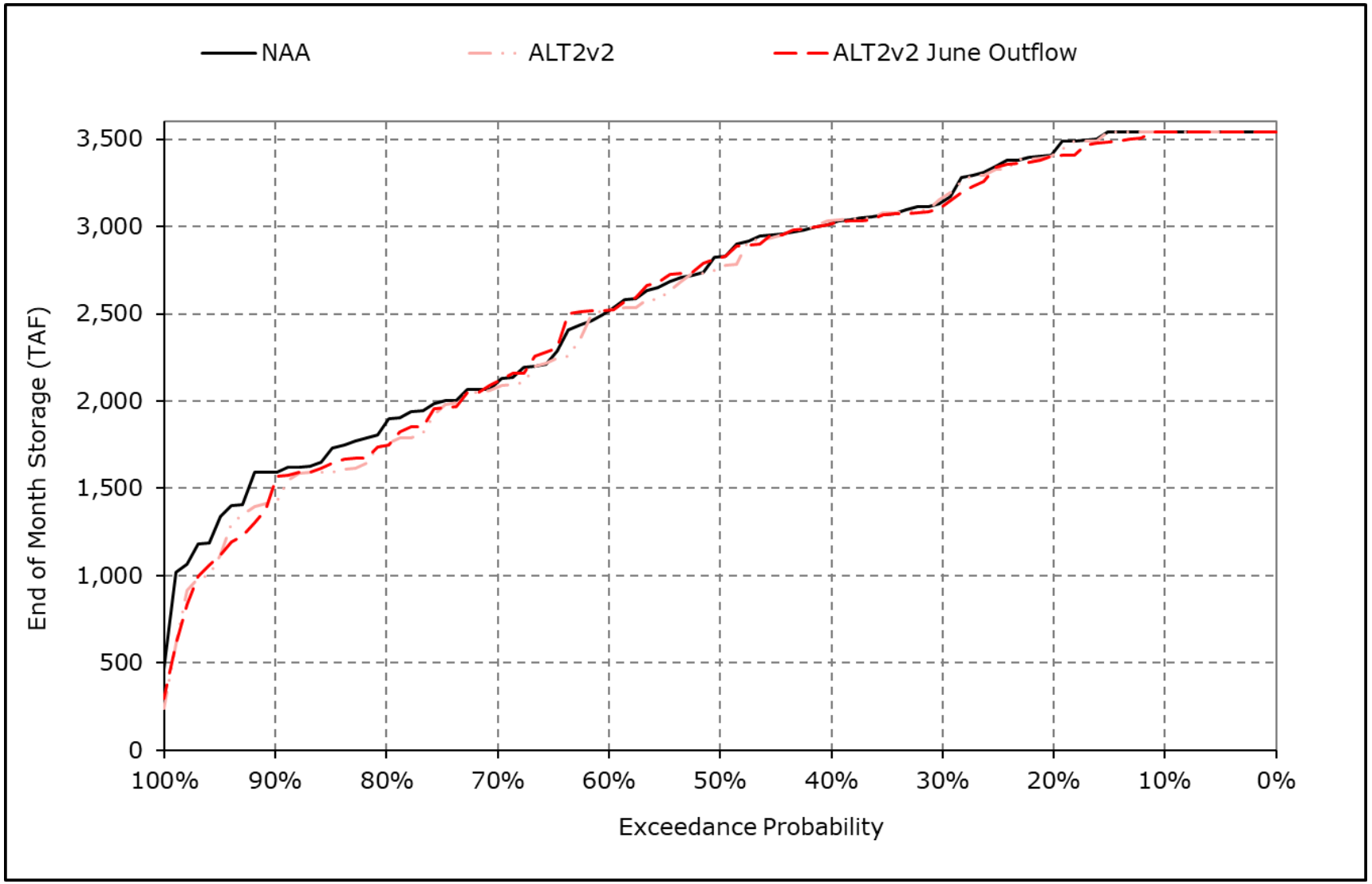
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



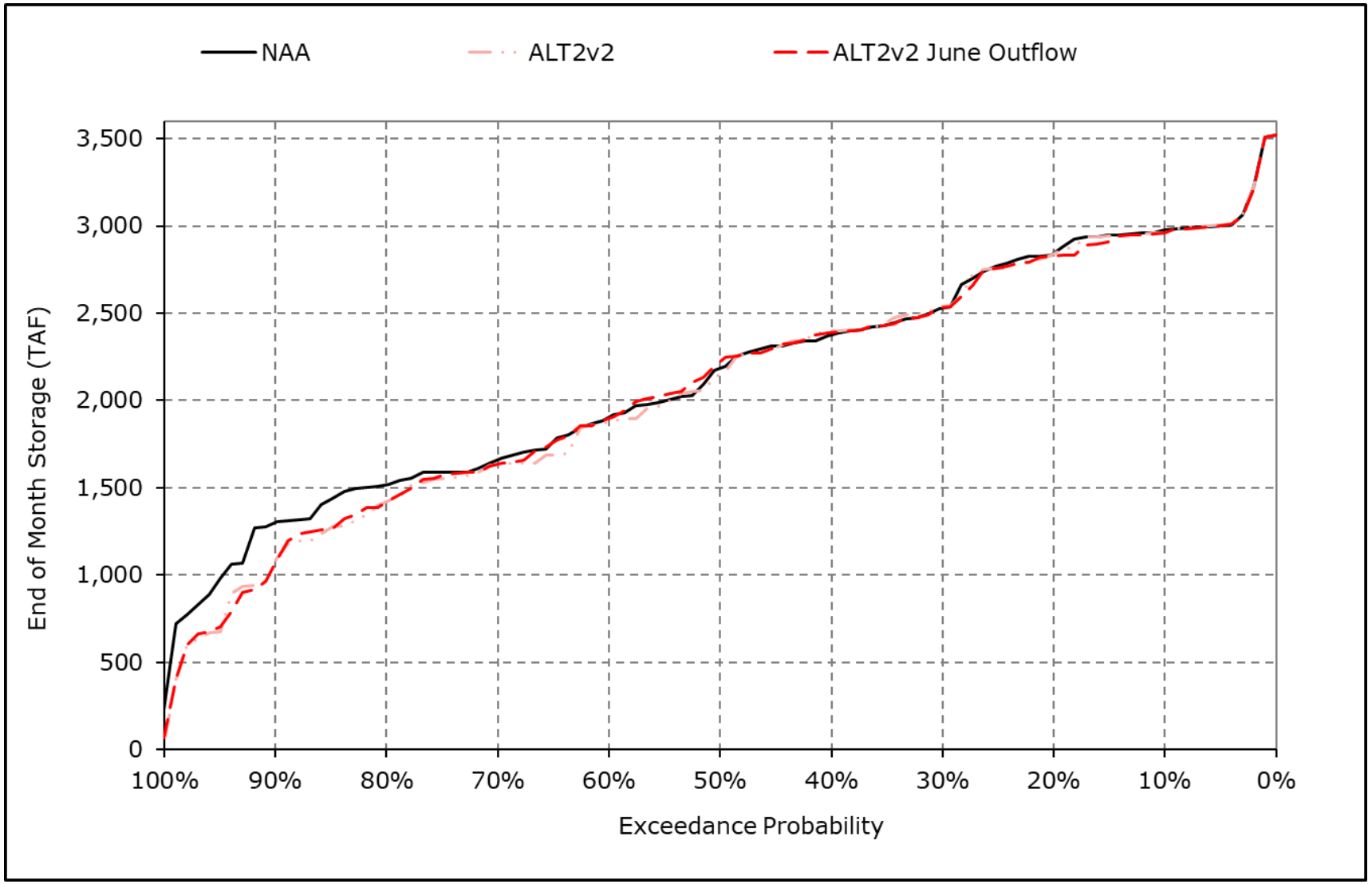
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



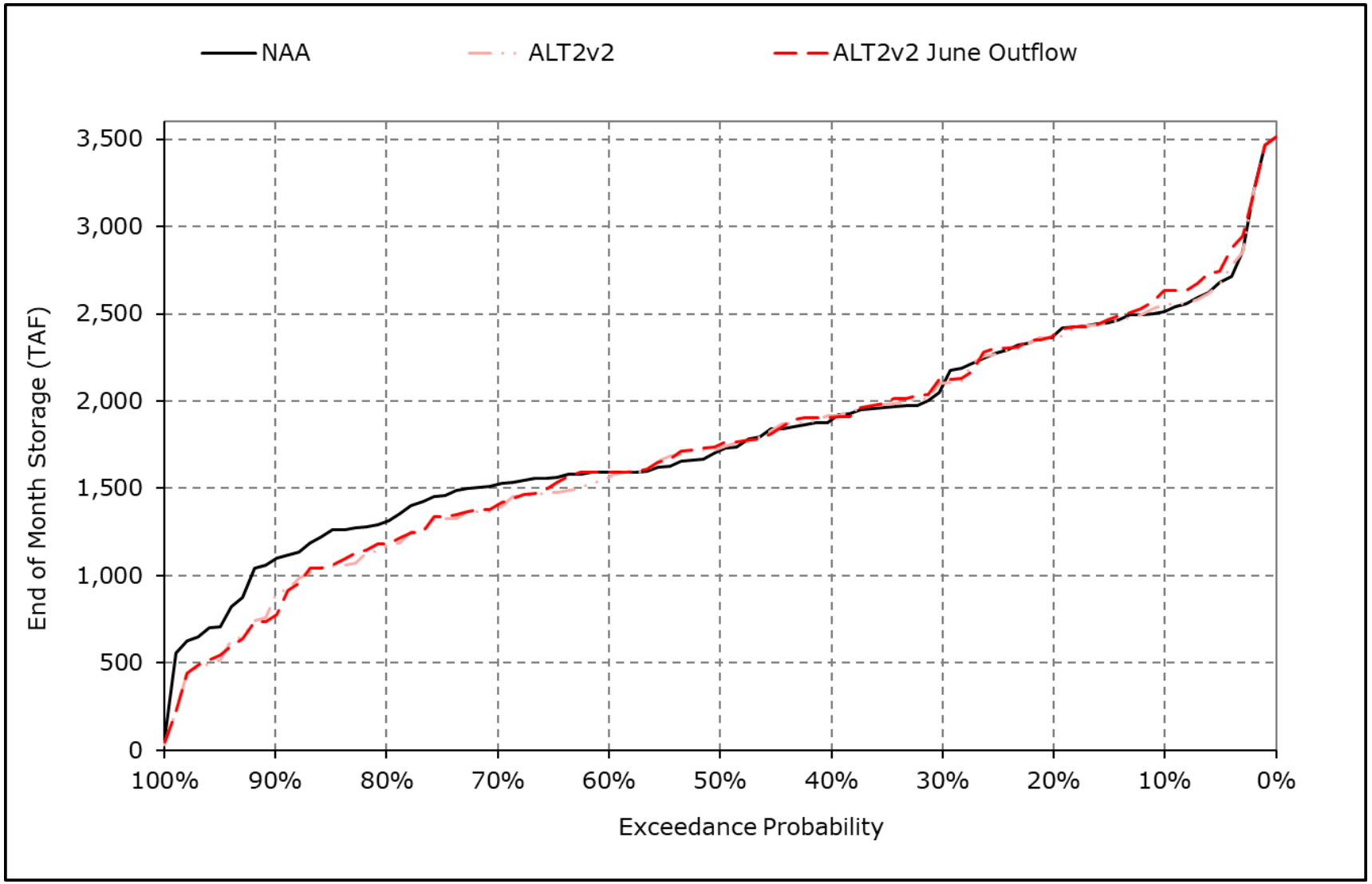
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



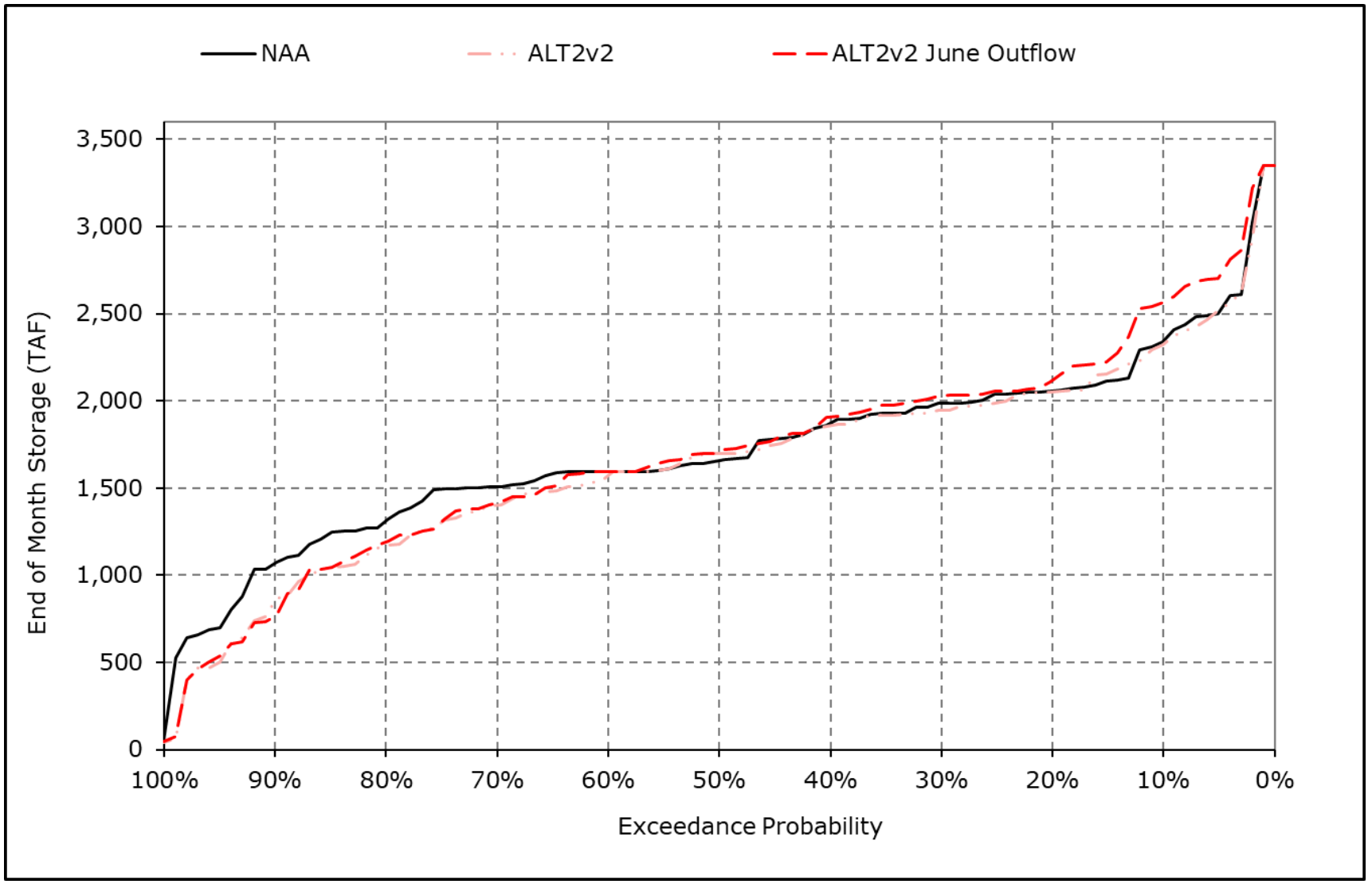
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-6-1c. Lake Oroville Elevation, ALT2v2 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.2.1-6-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

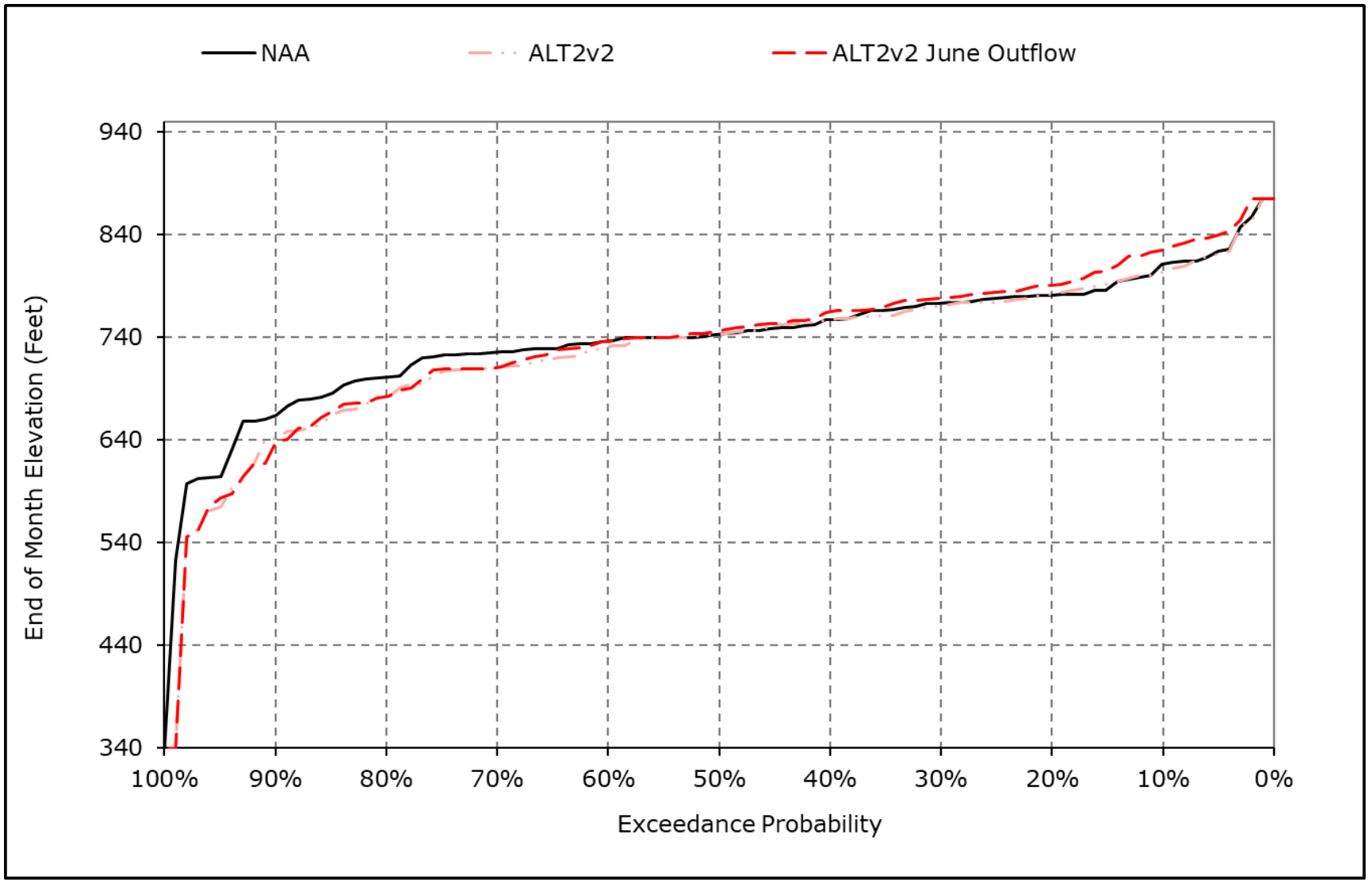
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	825	830	849	853	861	867	887	900	900	861	838	834
20% Exceedance	791	805	839	849	850	863	884	900	891	851	821	795
30% Exceedance	778	784	818	845	849	858	882	888	871	831	795	786
40% Exceedance	764	764	785	827	847	850	878	879	864	822	773	773
50% Exceedance	746	753	774	785	826	849	866	867	851	806	757	753
60% Exceedance	736	738	750	758	793	834	849	852	830	772	739	740
70% Exceedance	711	717	728	740	774	809	828	822	794	744	717	718
80% Exceedance	683	680	698	719	743	778	791	789	757	718	689	690
90% Exceedance	637	634	646	689	715	740	748	740	734	676	625	623
Full Simulation Period Average[a]	733	735	759	779	801	821	840	841	824	779	745	739
Wet Water Years (28%)	808	810	818	843	855	858	883	894	888	853	826	818
Above Normal Water Years (14%)	767	768	786	798	833	860	883	888	876	834	793	775
Below Normal Water Years (18%)	743	745	775	788	811	838	861	861	845	797	754	751
Dry Water Years (24%)	712	720	744	742	774	805	820	817	793	742	714	714
Critical Water Years (16%)	582	577	626	695	711	728	731	721	690	635	600	593

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

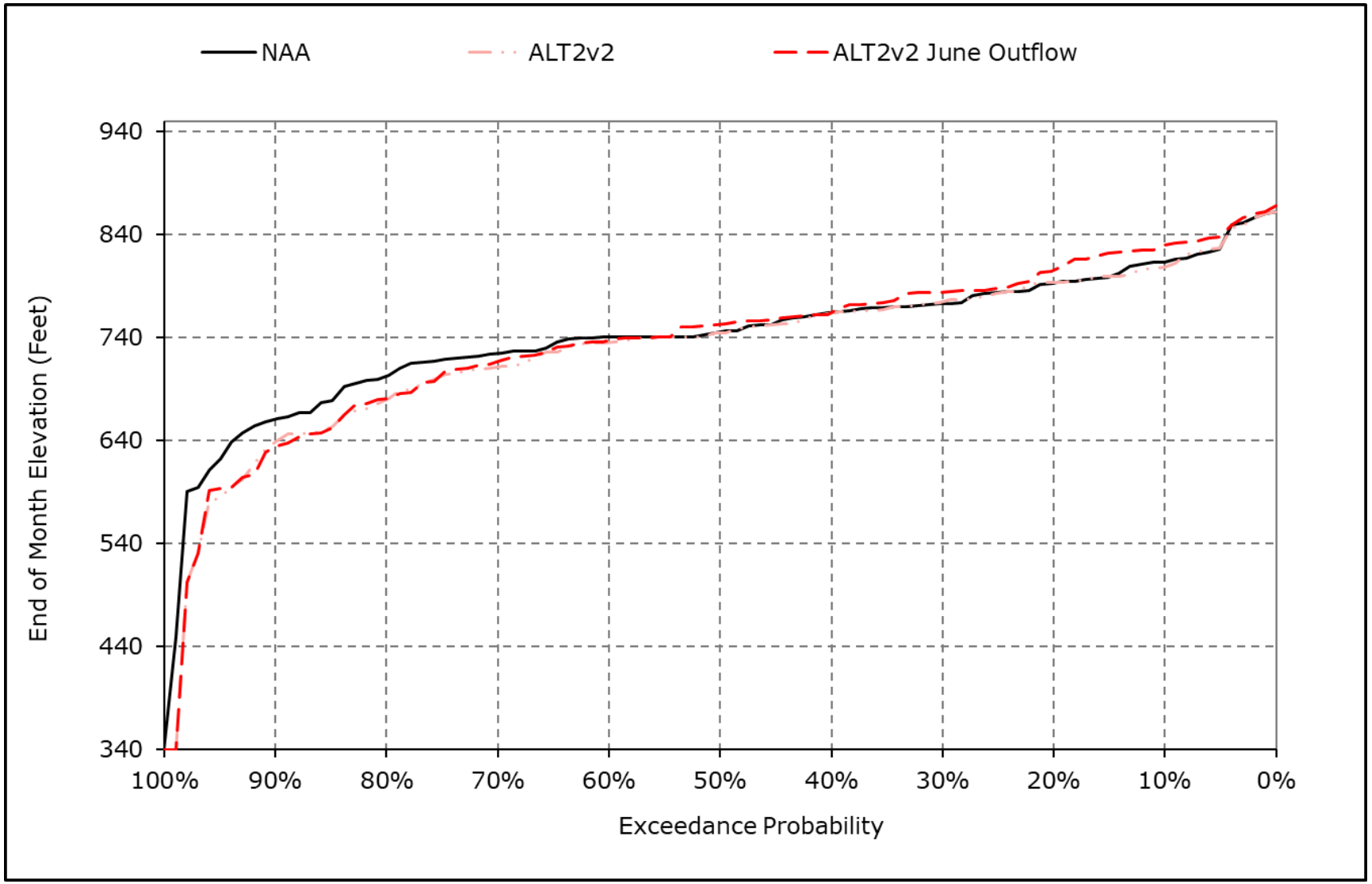
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	16	0	1	0	0	0	0	0	-1	8	16
20% Exceedance	10	13	12	0	1	0	0	0	-2	-1	0	6
30% Exceedance	5	11	8	11	0	0	0	0	-2	0	4	4
40% Exceedance	7	0	1	6	6	1	0	1	0	1	1	4
50% Exceedance	3	8	9	-3	0	1	-1	1	0	4	4	6
60% Exceedance	0	-3	8	-2	-2	1	0	2	0	-1	0	0
70% Exceedance	-15	-8	-3	-2	3	7	-2	-2	0	-3	-14	-11
80% Exceedance	-18	-22	-15	-7	-14	-5	-3	0	-14	-12	-16	-15
90% Exceedance	-27	-26	-35	-15	-13	-21	-25	-24	-5	-28	-54	-52
Full Simulation Period Average[a]	-5	-4	-4	-4	-3	-3	-4	-3	-5	-7	-8	-6
Wet Water Years (28%)	13	14	11	-1	0	0	0	0	-2	-1	2	11
Above Normal Water Years (14%)	4	4	3	-2	-4	0	0	0	-1	0	3	3
Below Normal Water Years (18%)	-4	-4	-3	2	1	-1	0	3	2	2	-4	-2
Dry Water Years (24%)	1	0	-2	0	1	1	1	1	3	2	0	0
Critical Water Years (16%)	-58	-54	-41	-22	-20	-19	-24	-25	-33	-48	-52	-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.



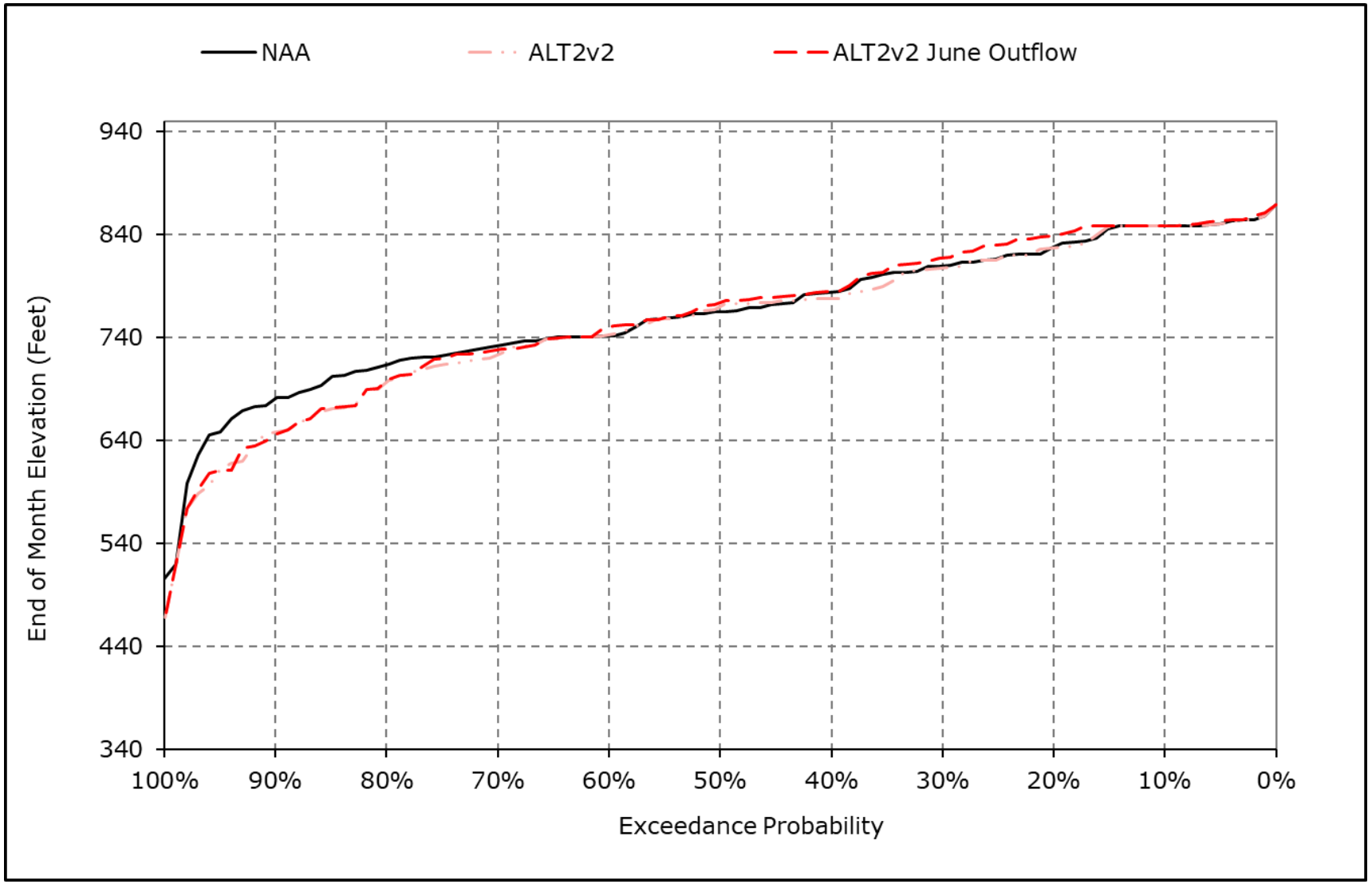
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



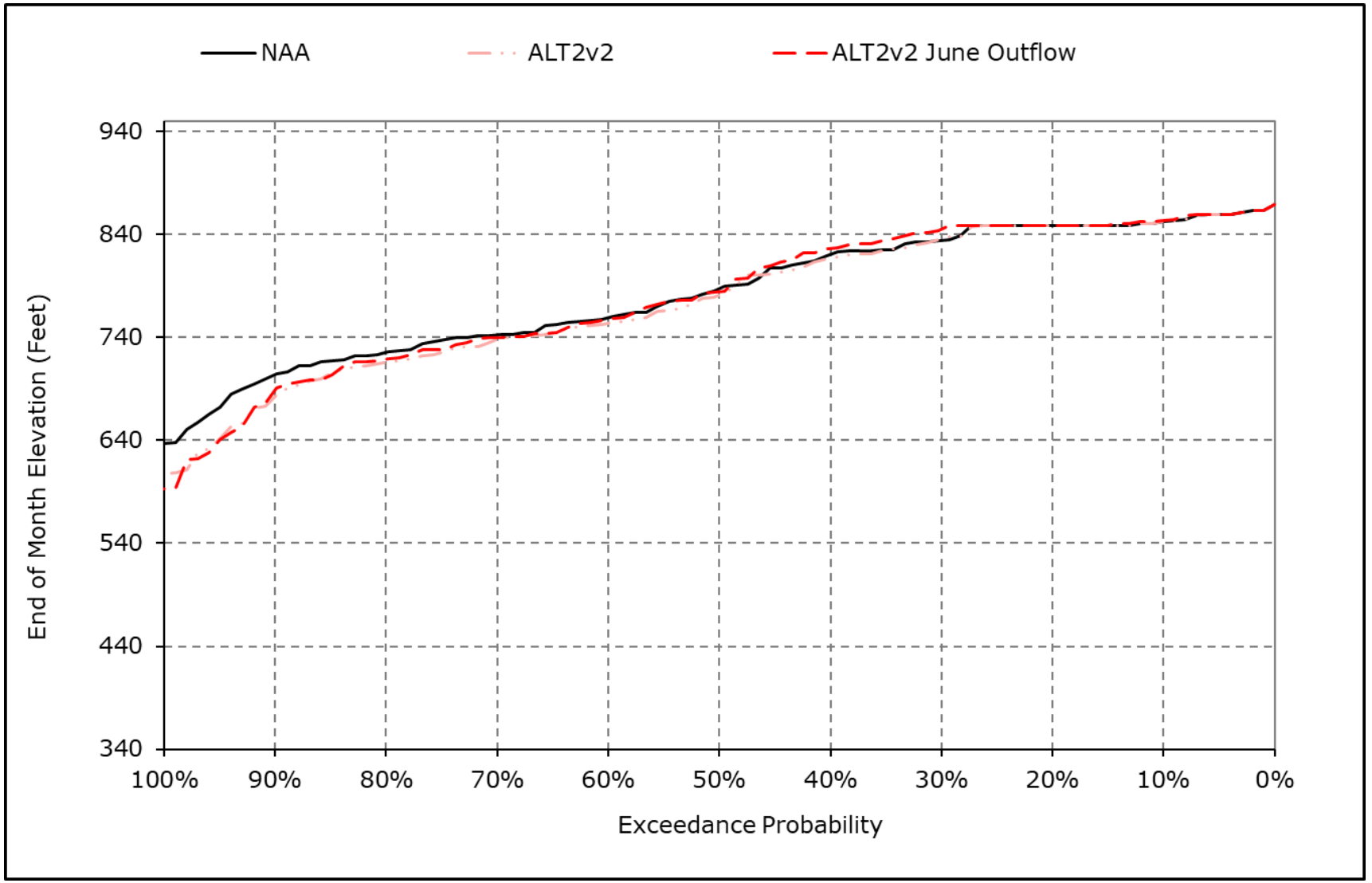
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



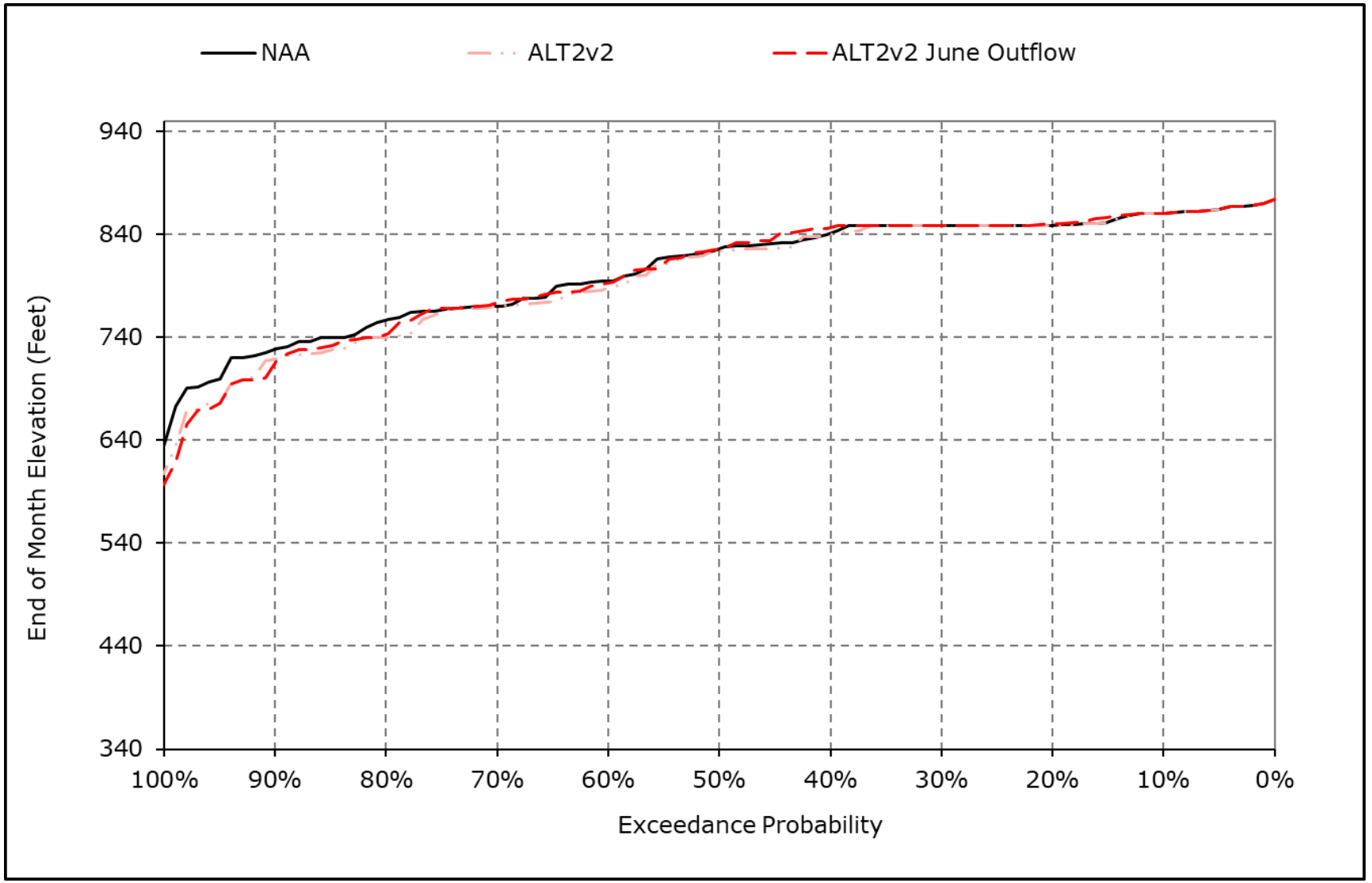
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



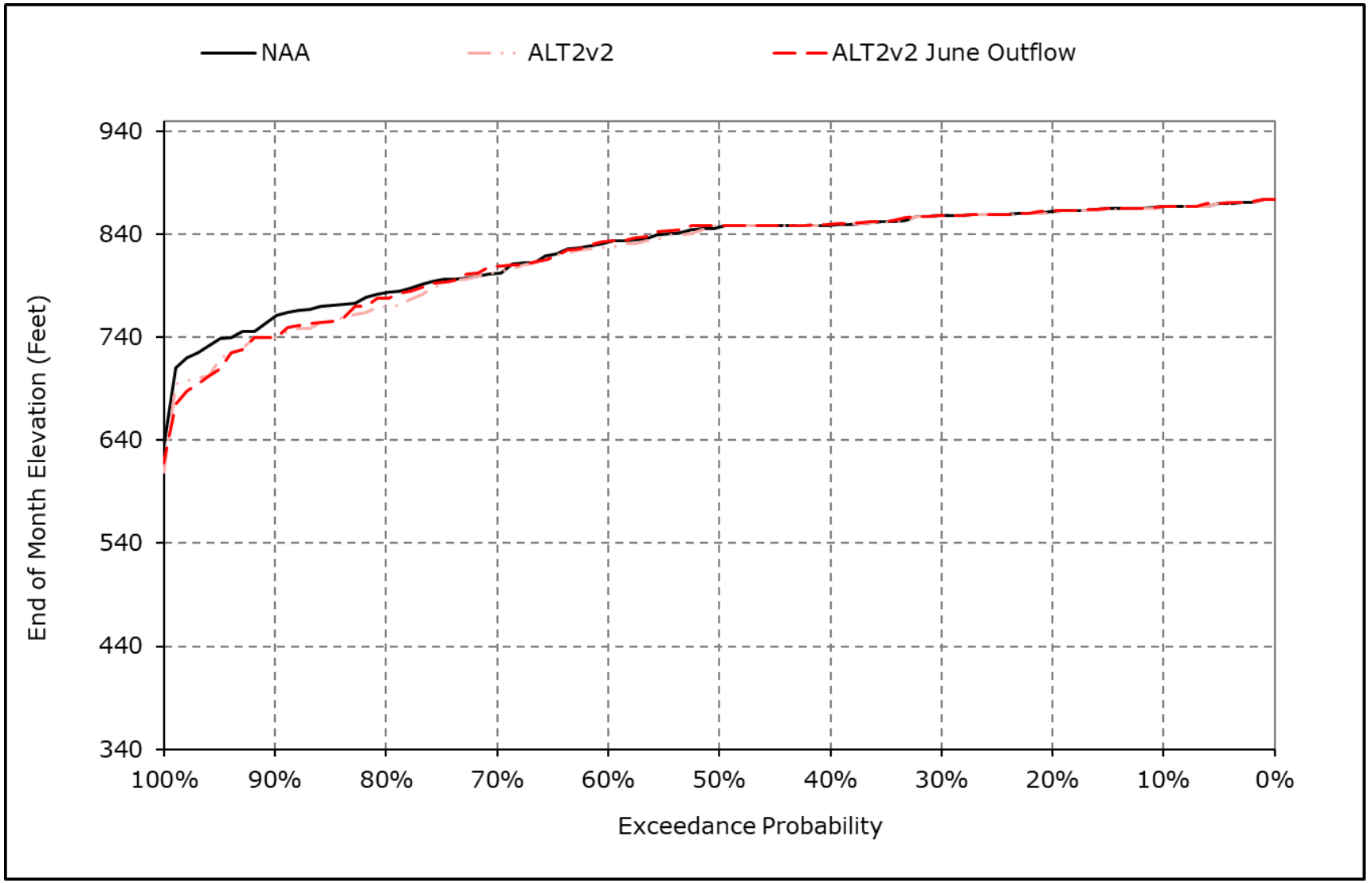
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



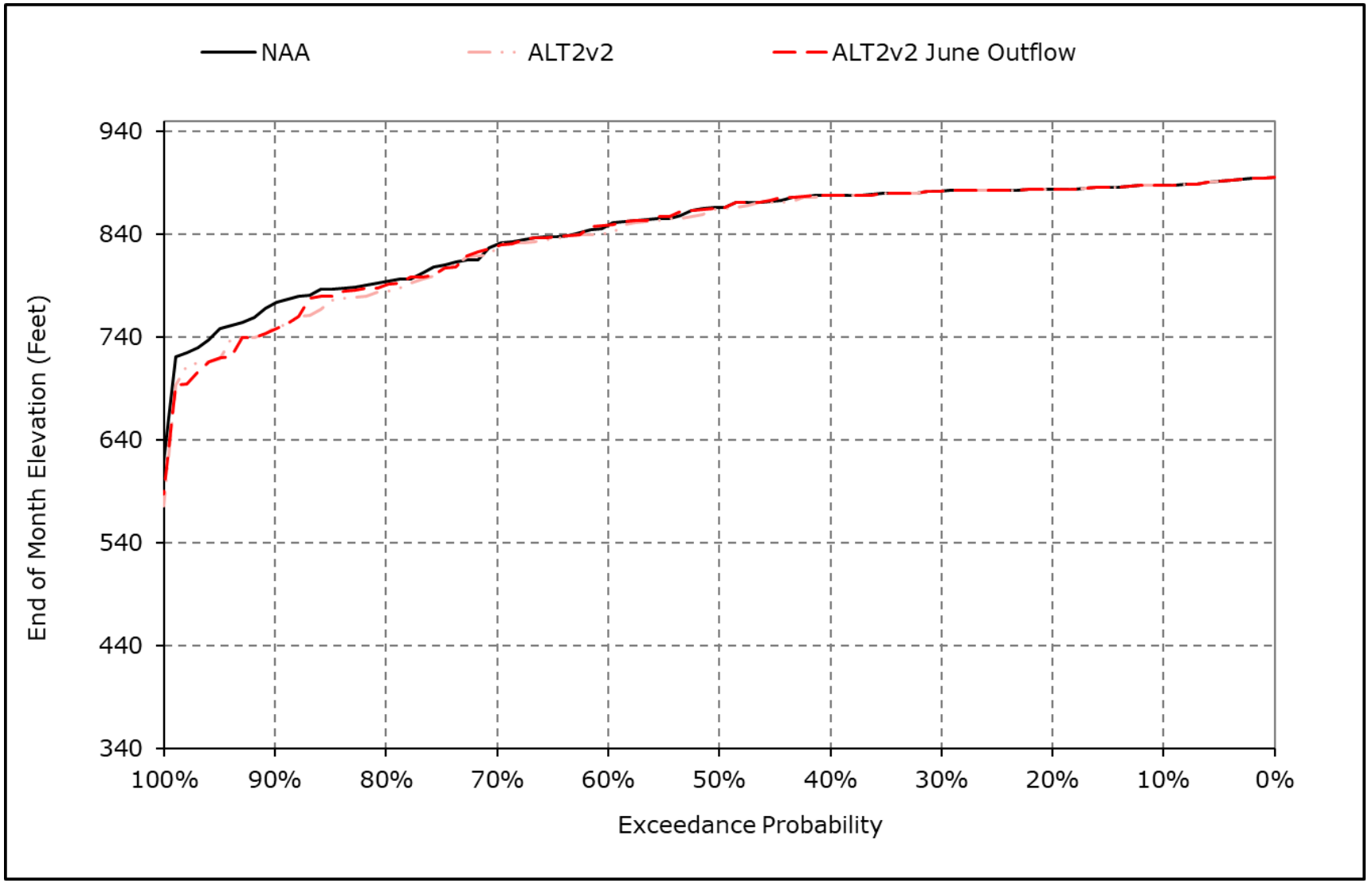
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



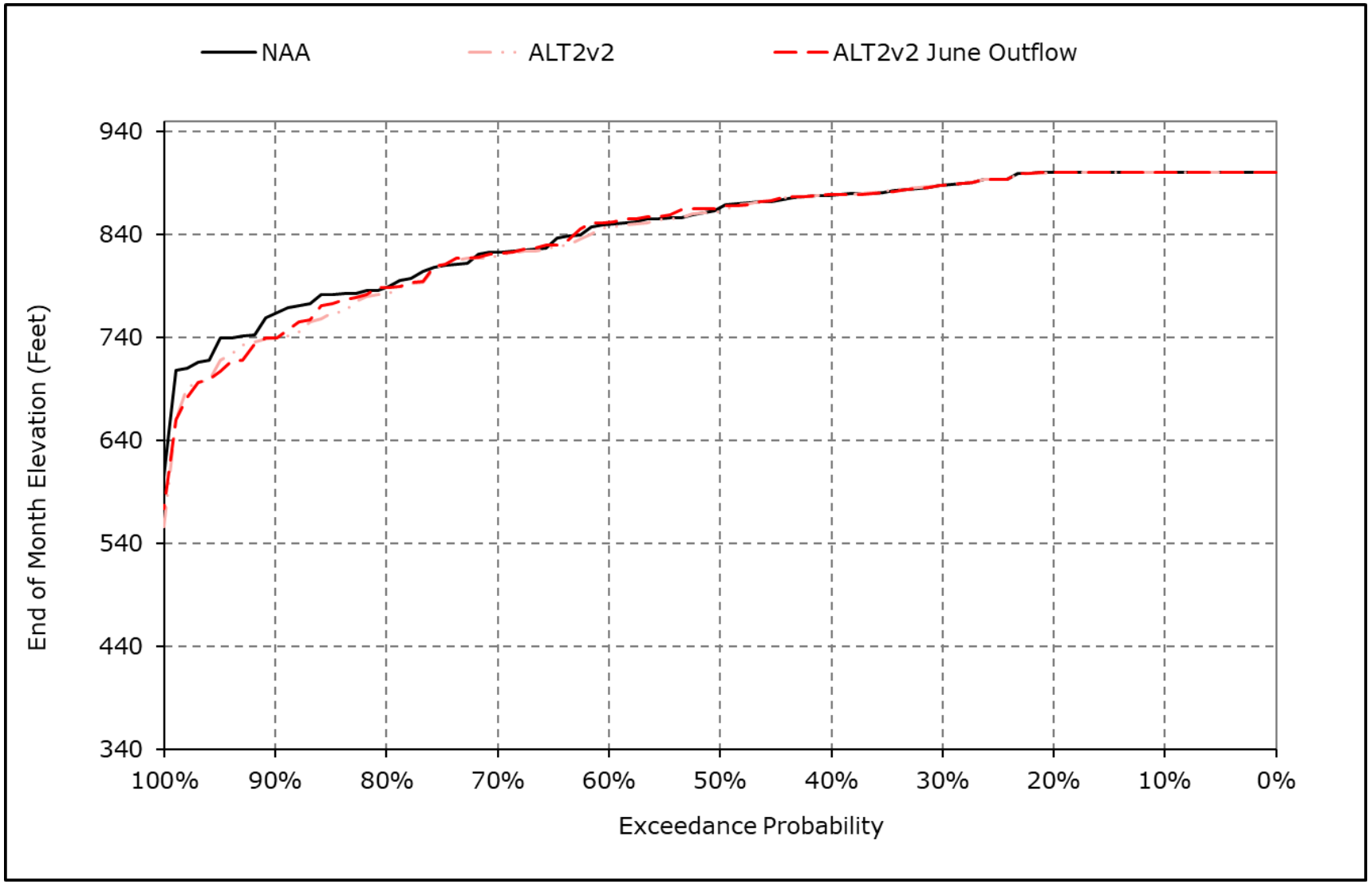
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



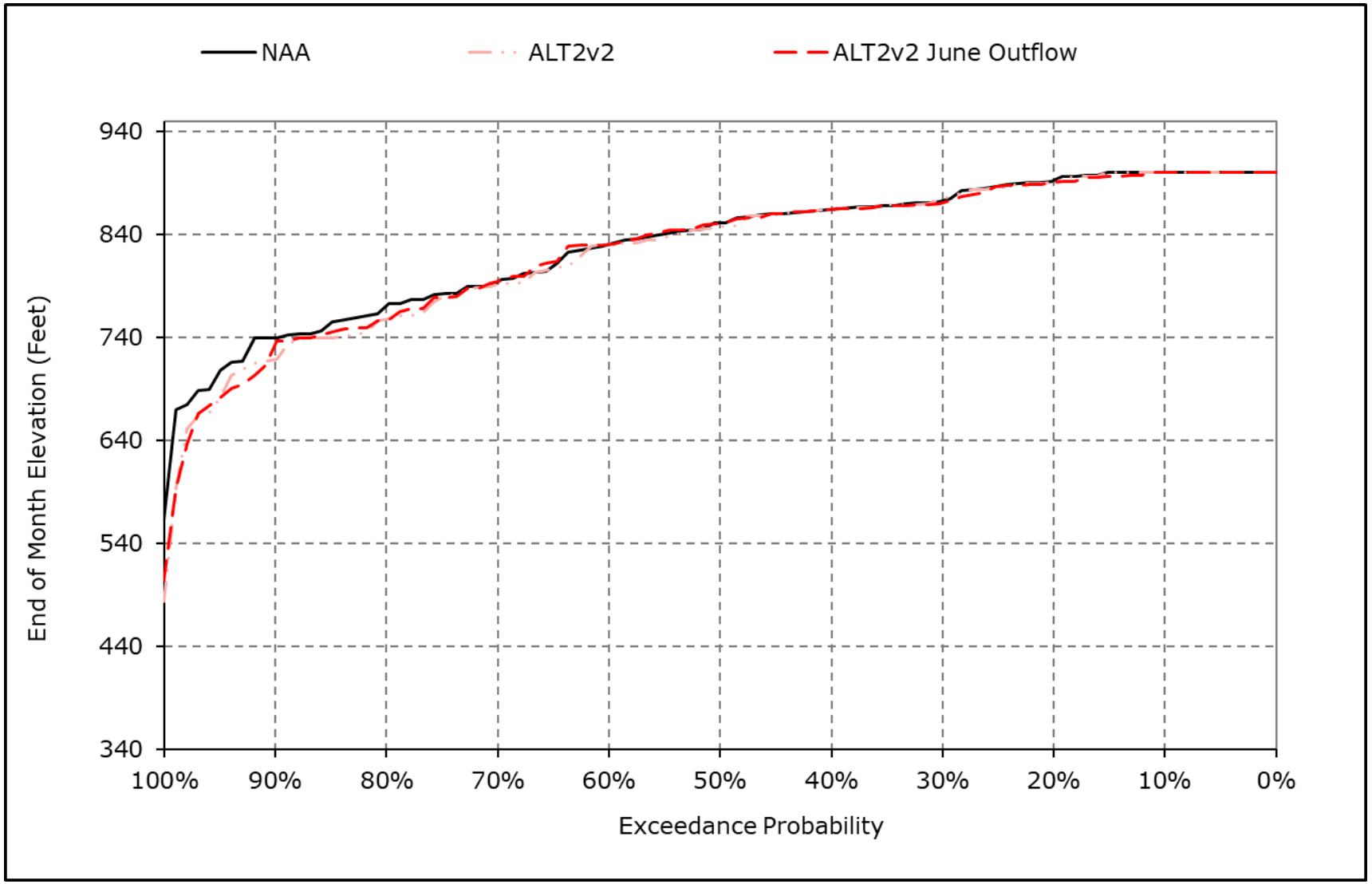
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



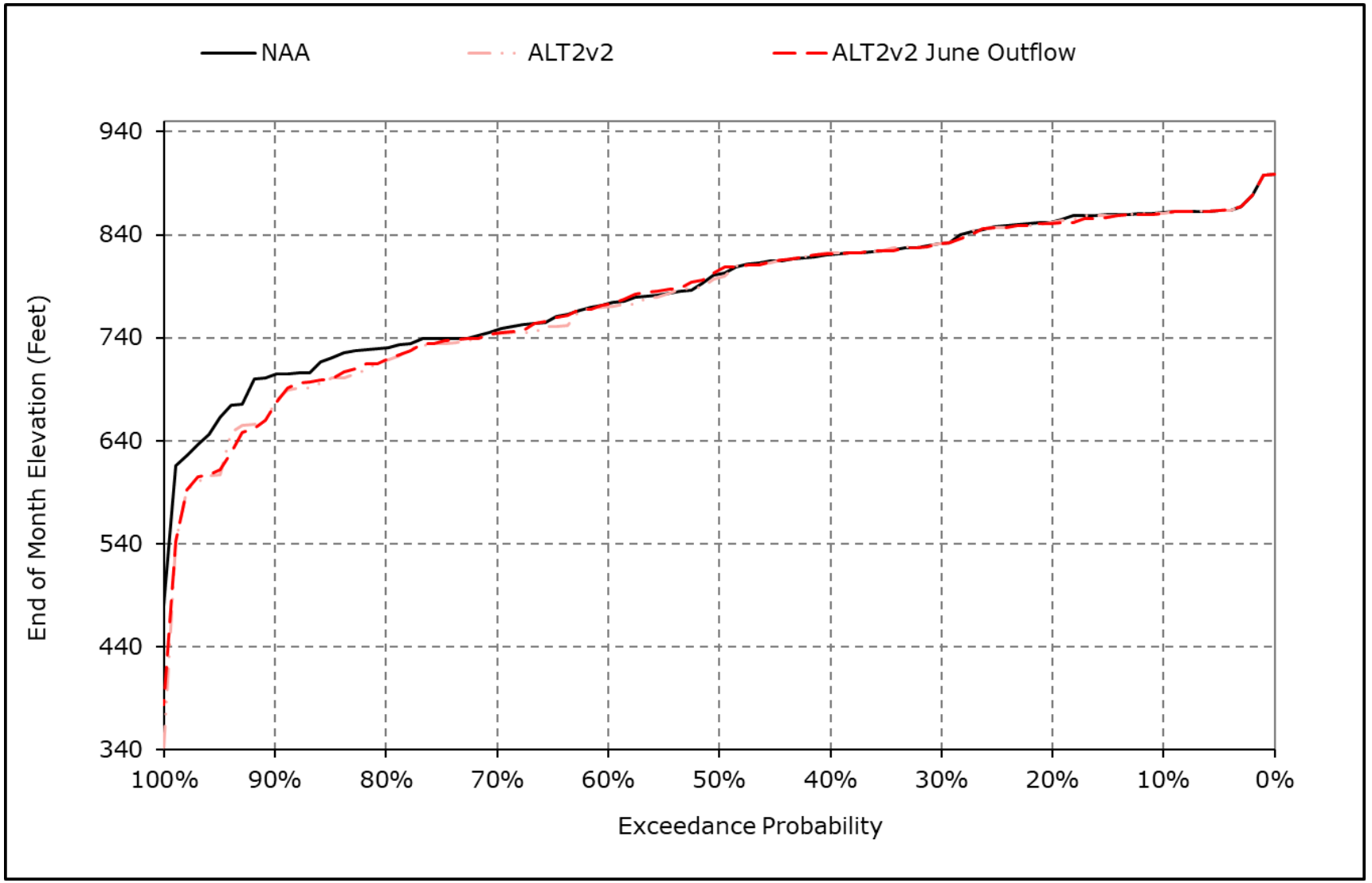
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



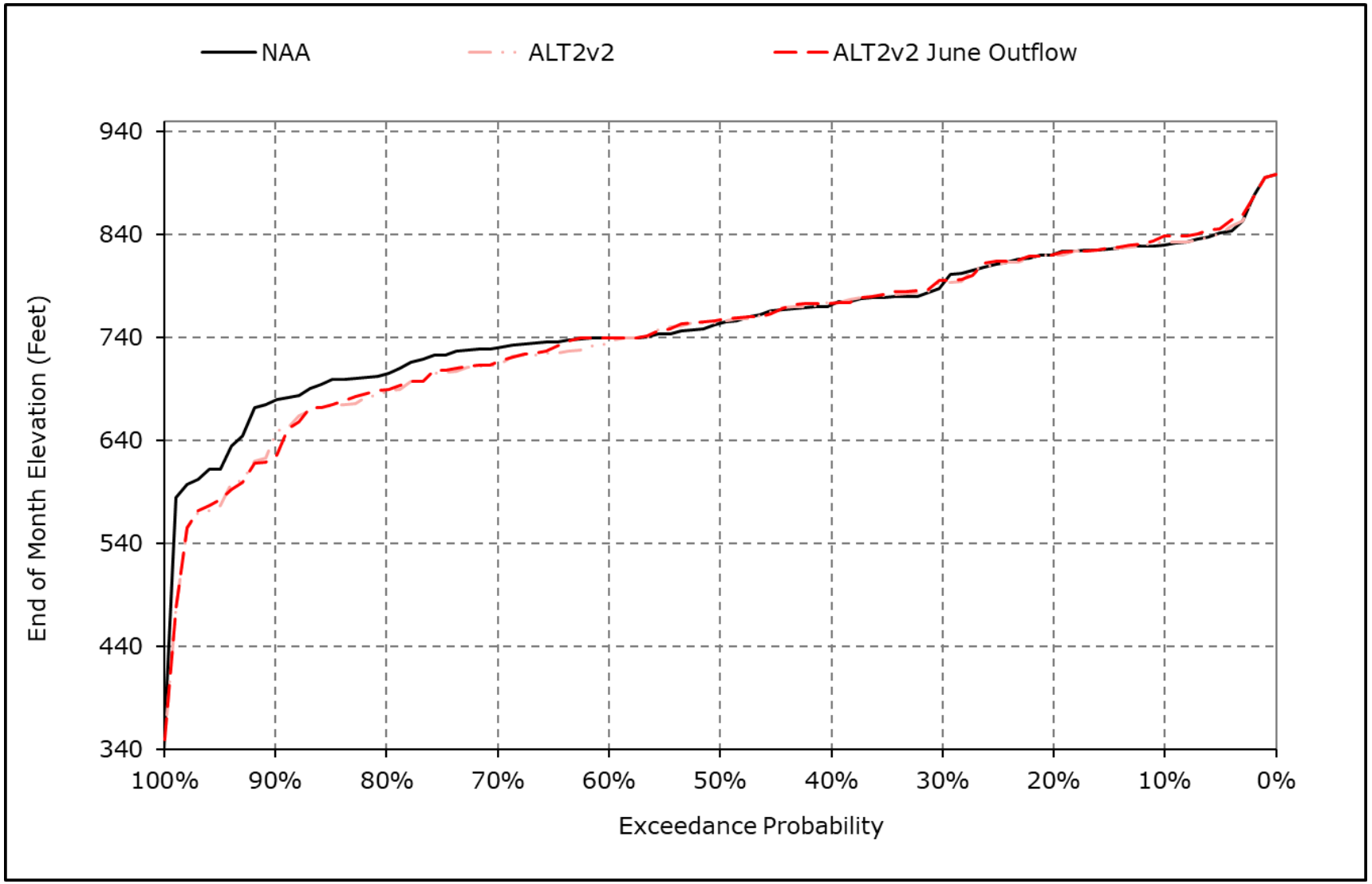
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



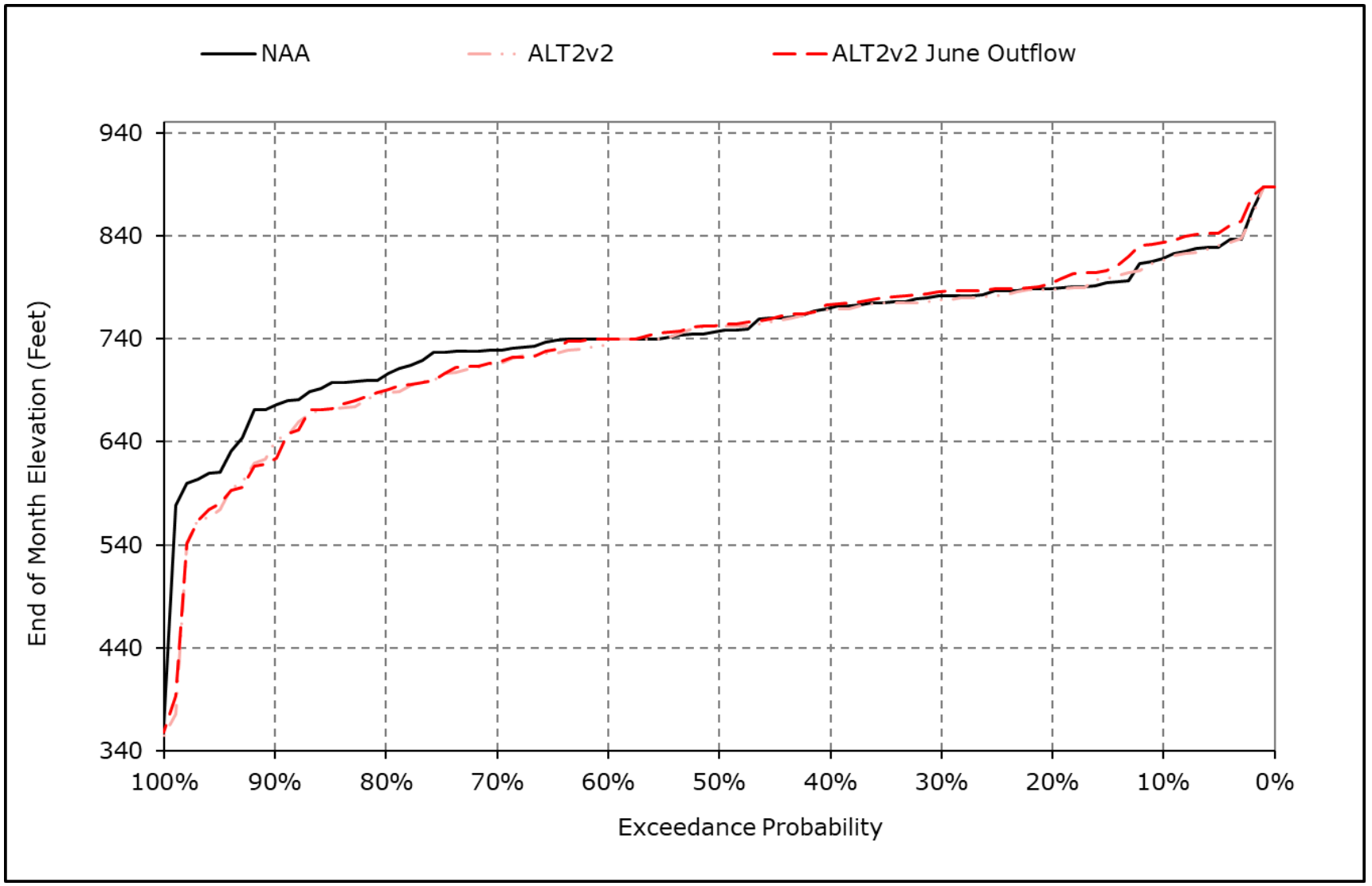
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-7-1c. Folsom Lake Storage, ALT2v2 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.2.1-7-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

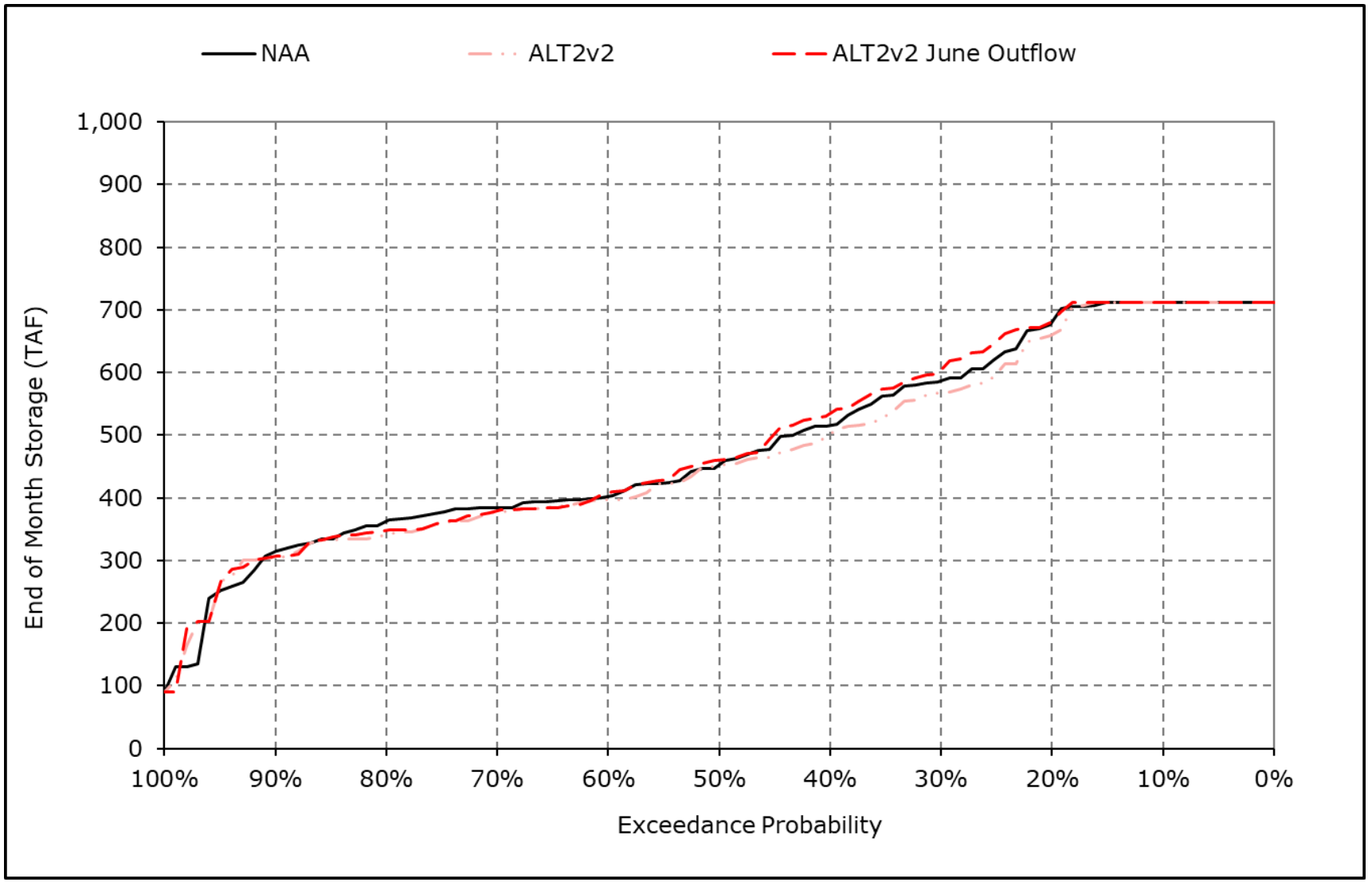
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	712	567	567	567	567	756	900	967	967	884	792	752
20% Exceedance	684	567	567	567	567	756	900	967	964	802	745	702
30% Exceedance	604	559	567	567	567	756	900	967	902	728	642	607
40% Exceedance	535	537	567	567	567	756	900	962	828	650	551	534
50% Exceedance	461	443	535	567	567	756	878	893	763	542	474	446
60% Exceedance	408	413	497	567	567	694	803	830	695	520	448	430
70% Exceedance	380	381	439	518	567	645	739	693	661	474	420	405
80% Exceedance	348	353	388	459	539	582	618	579	526	424	376	364
90% Exceedance	306	311	341	391	444	515	514	485	459	371	330	322
Full Simulation Period Average[a]	488	448	486	520	540	679	775	798	742	602	528	505
Wet Water Years (28%)	639	541	533	567	567	750	890	946	901	785	699	672
Above Normal Water Years (14%)	517	459	504	561	567	745	880	926	840	635	574	543
Below Normal Water Years (18%)	456	435	484	541	559	713	842	845	786	584	501	471
Dry Water Years (24%)	422	430	466	487	532	651	733	725	660	518	444	424
Critical Water Years (16%)	318	305	415	427	459	500	468	482	451	398	346	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.2.1-7-2c. Folsom Lake Storage, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

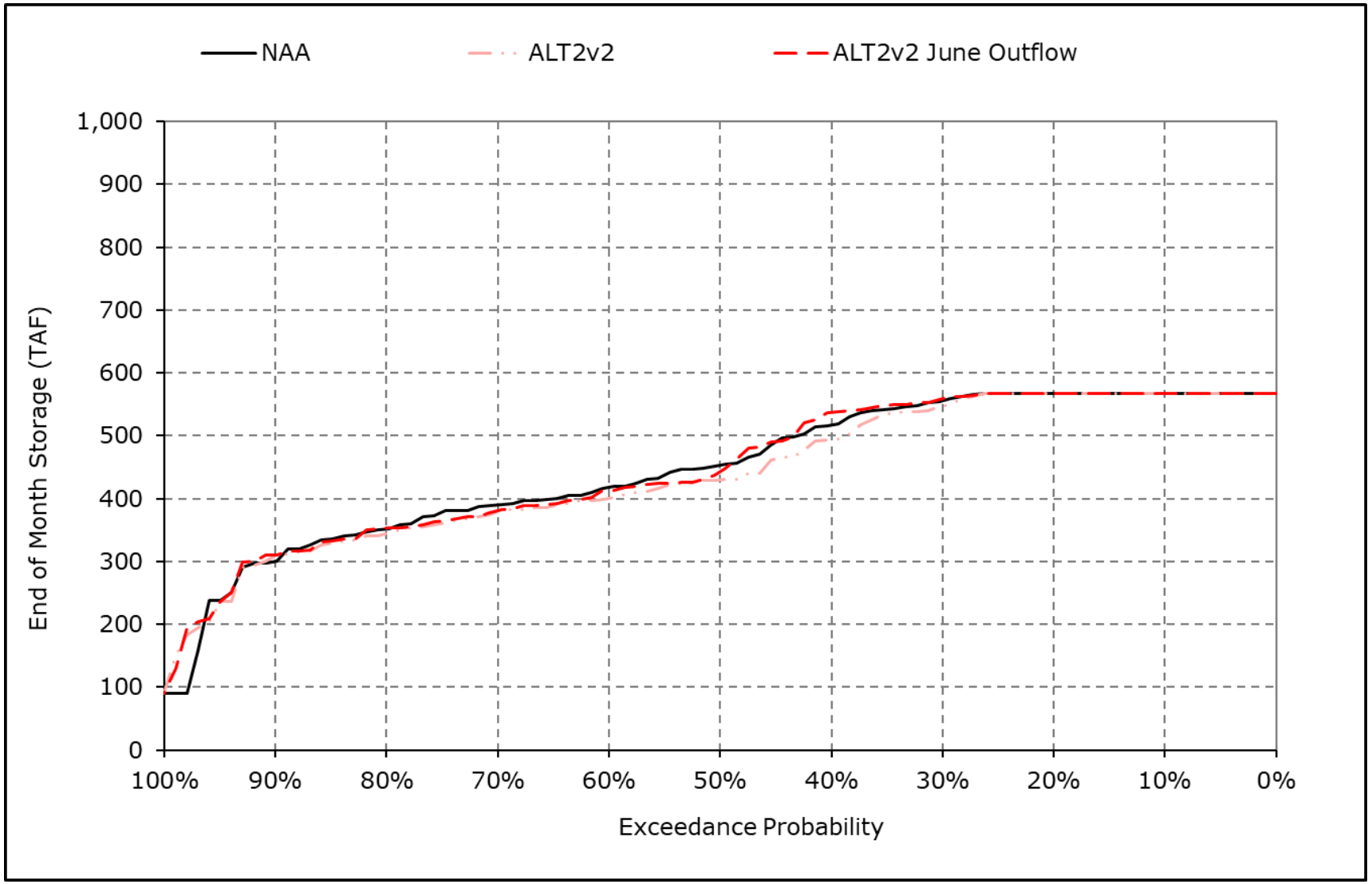
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-12	0	0
20% Exceedance	2	0	0	0	0	0	0	0	-3	-14	1	19
30% Exceedance	18	3	0	0	0	0	0	0	-36	-1	-10	4
40% Exceedance	19	20	0	0	0	0	0	-5	-49	7	-19	-5
50% Exceedance	7	-10	-5	0	0	0	-8	-8	-22	-28	-18	-9
60% Exceedance	6	-5	-8	0	0	-1	-6	0	-29	-14	-23	-8
70% Exceedance	-4	-9	-17	-4	5	10	27	-12	6	-10	-19	-18
80% Exceedance	-16	2	-3	-17	19	0	-4	-40	-33	-20	-11	-12
90% Exceedance	-8	11	12	19	17	-12	-11	-21	-27	-40	-36	-14
Full Simulation Period Average[a]	4	0	-3	4	5	4	-4	-8	-17	-7	-9	-1
Wet Water Years (28%)	18	8	1	0	0	0	0	0	-22	4	6	18
Above Normal Water Years (14%)	32	12	3	4	2	0	1	-6	-19	2	4	25
Below Normal Water Years (18%)	2	2	0	1	-1	2	6	-1	-4	8	-1	-6
Dry Water Years (24%)	-14	-9	-4	15	14	18	17	0	3	-14	-26	-23
Critical Water Years (16%)	-23	-13	-15	-3	7	-2	-60	-42	-49	-42	-30	-20

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



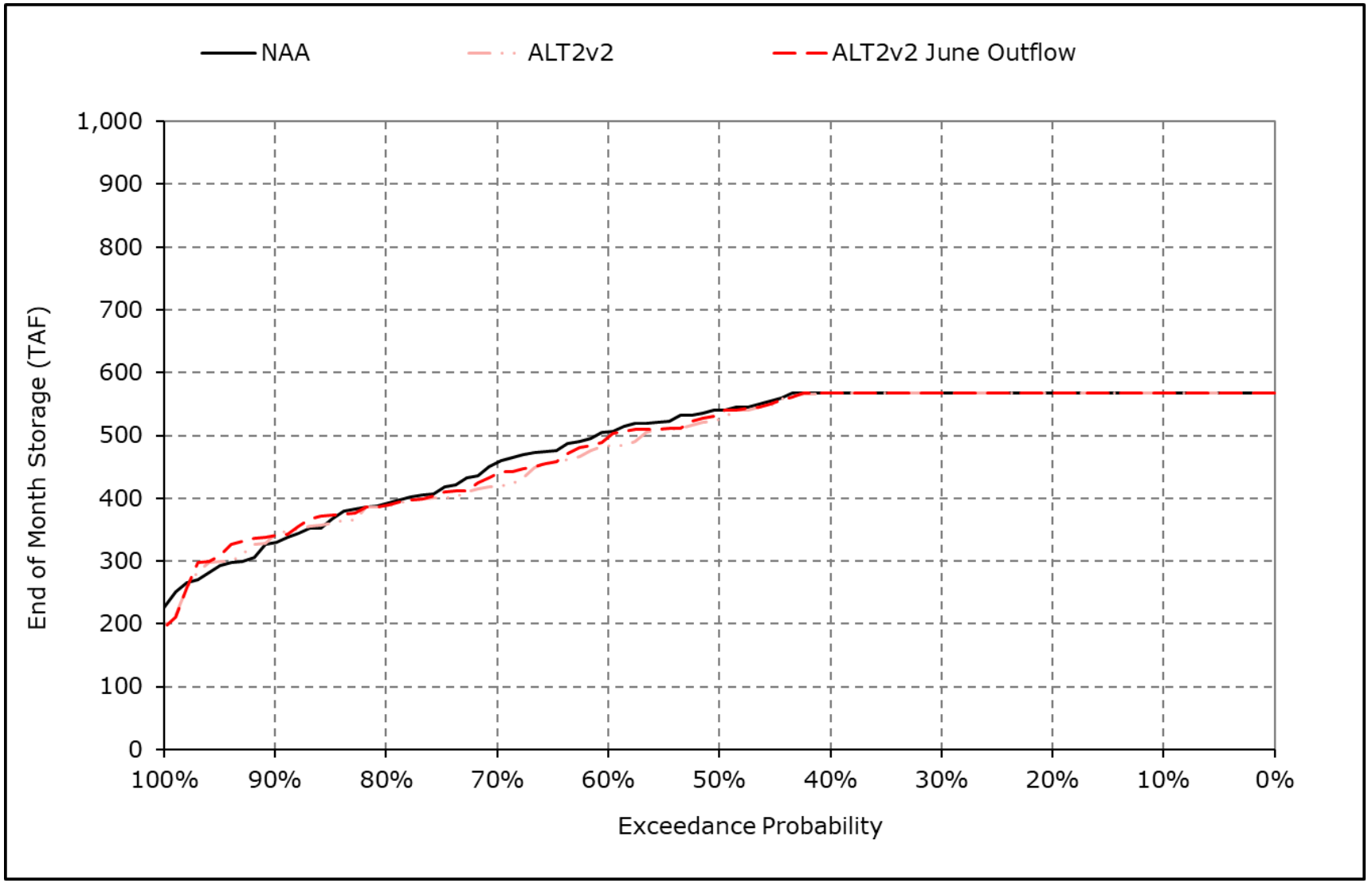
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



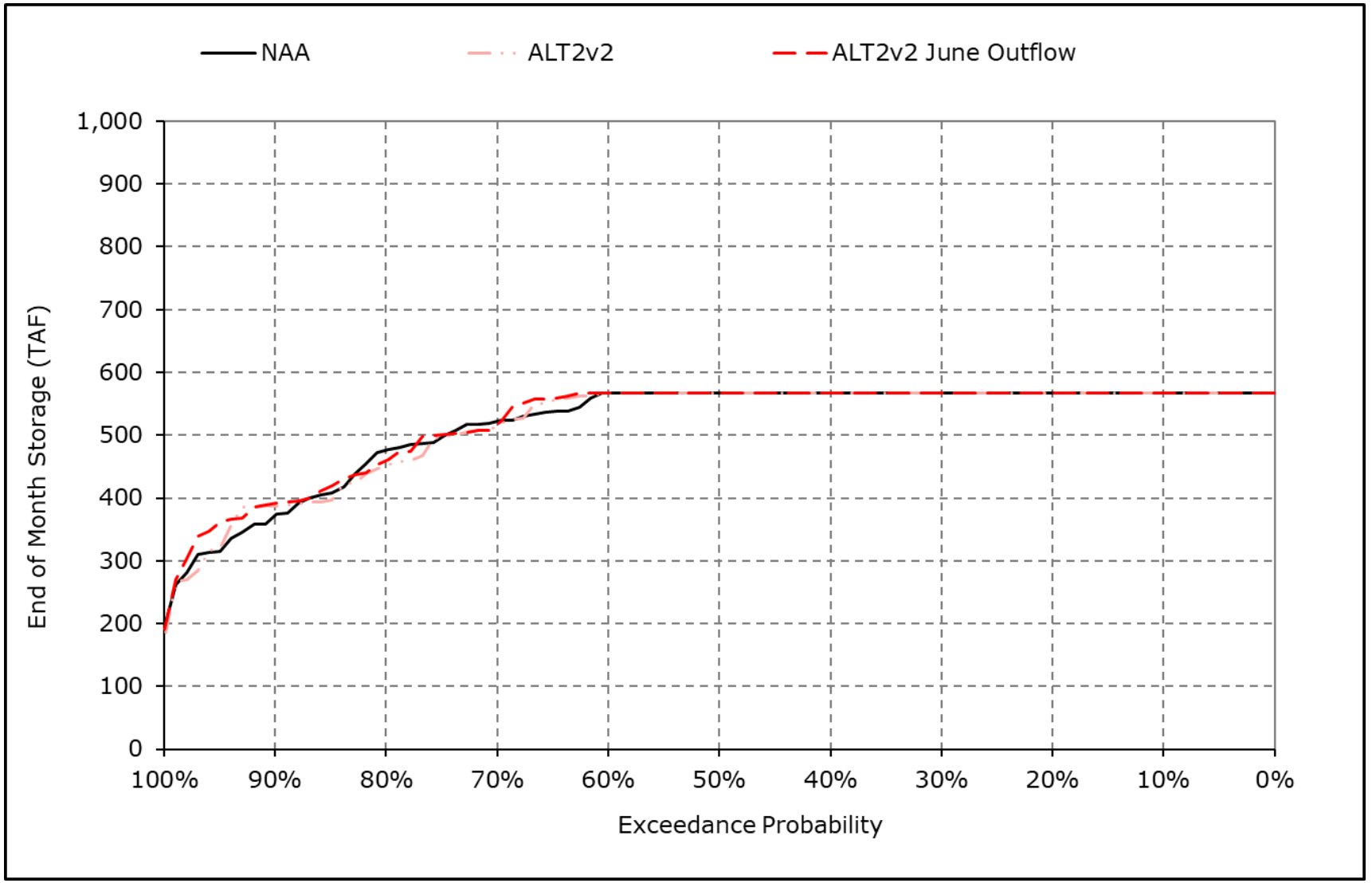
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



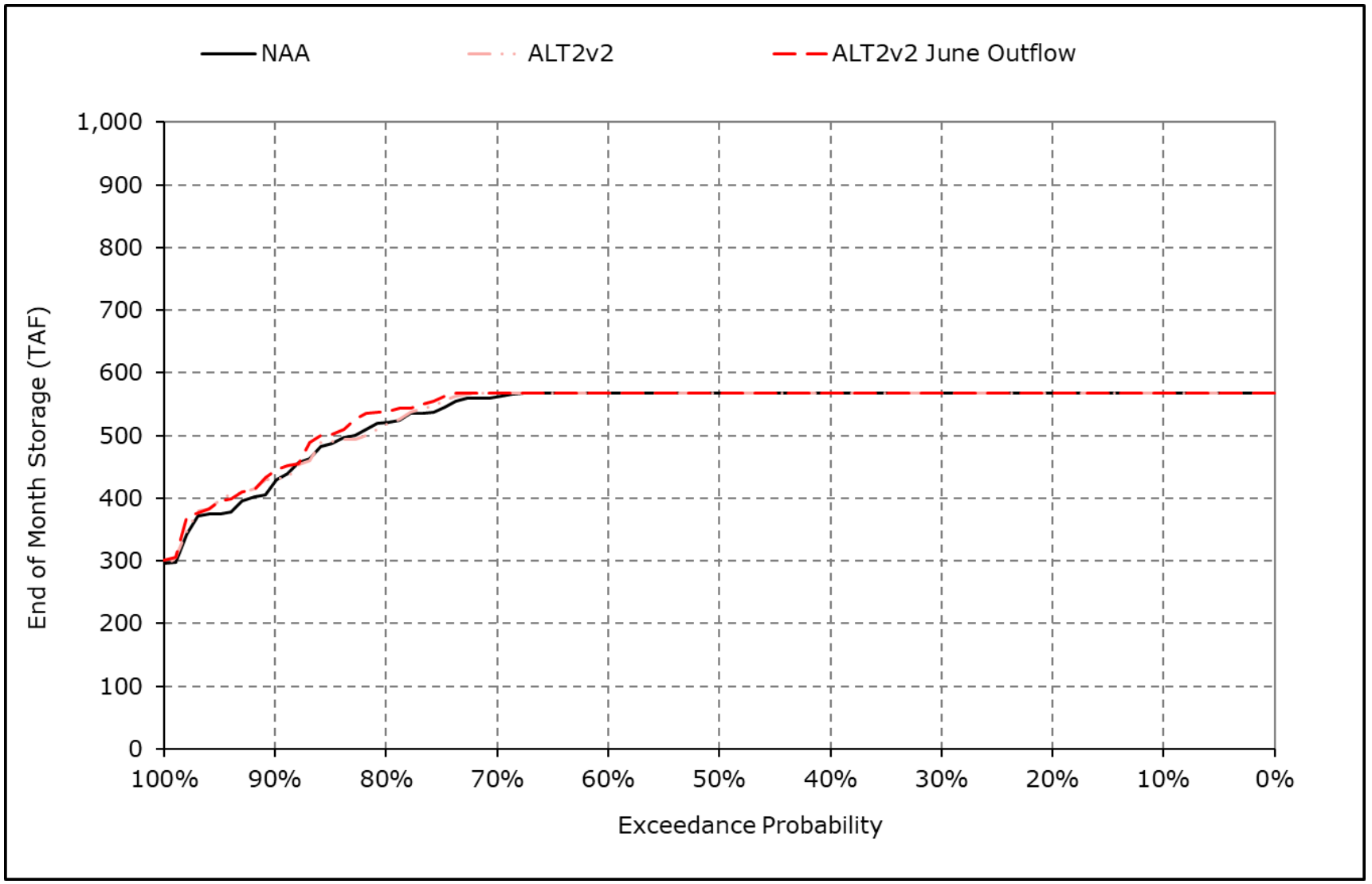
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



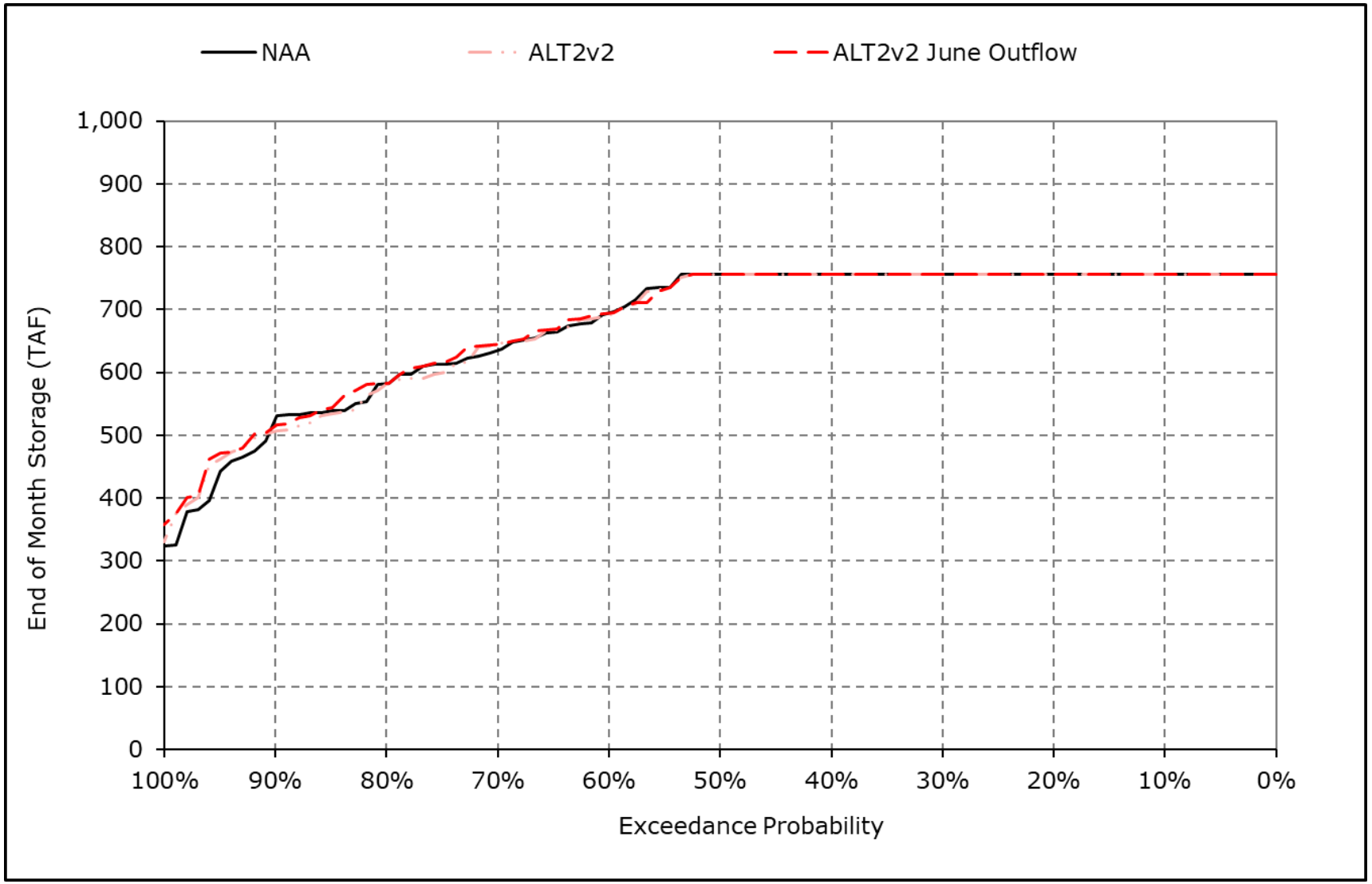
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



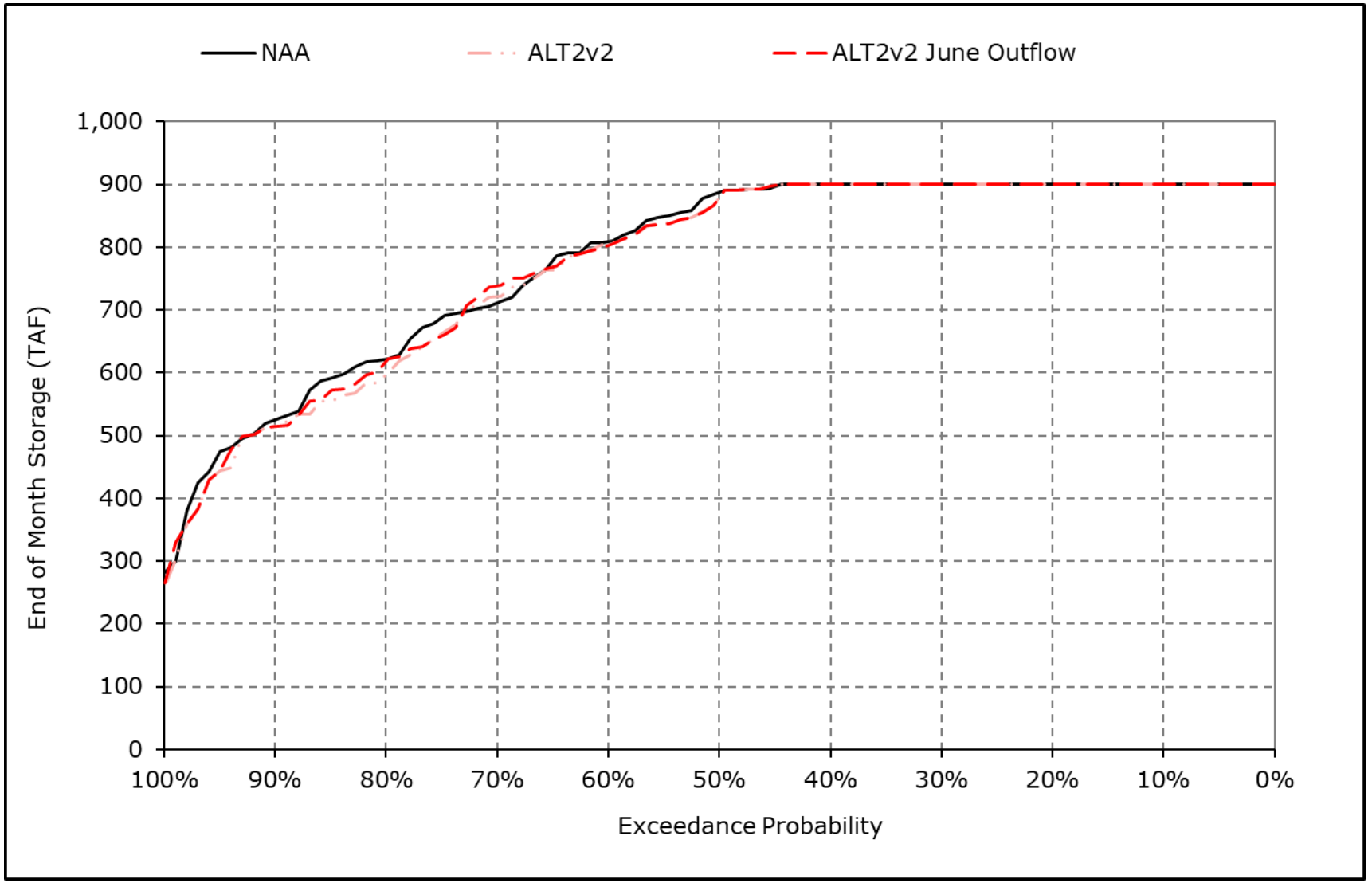
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



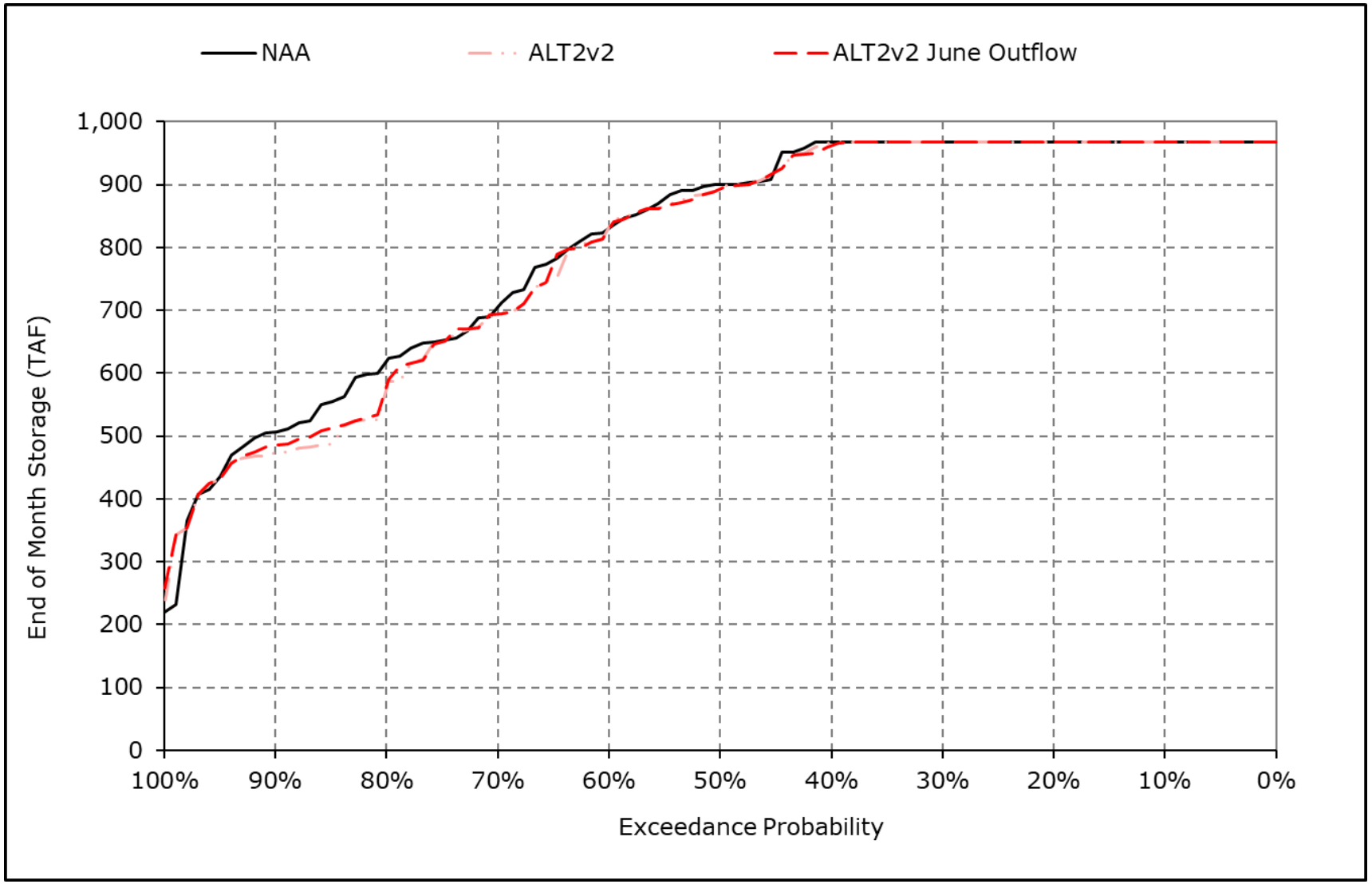
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



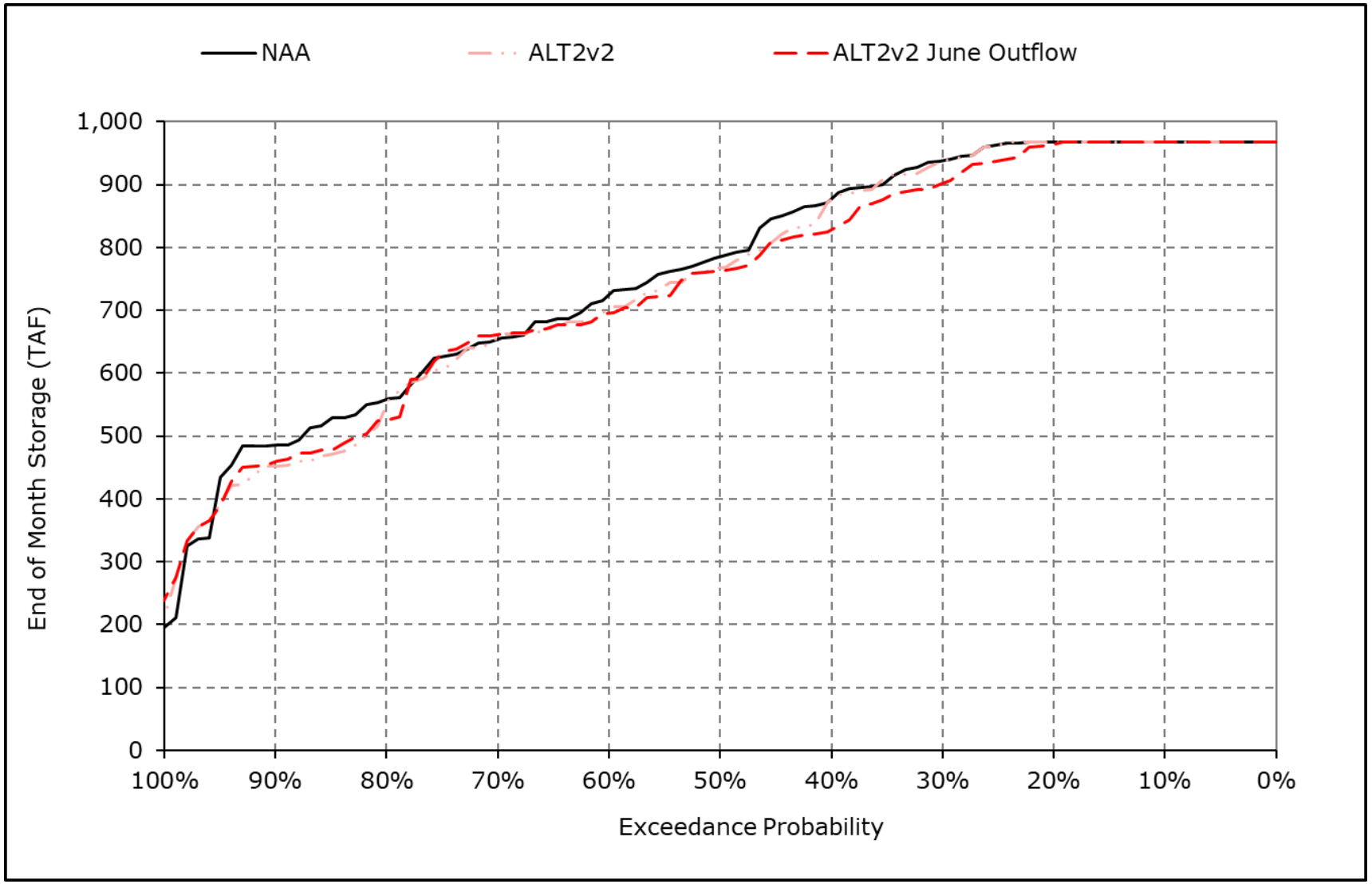
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



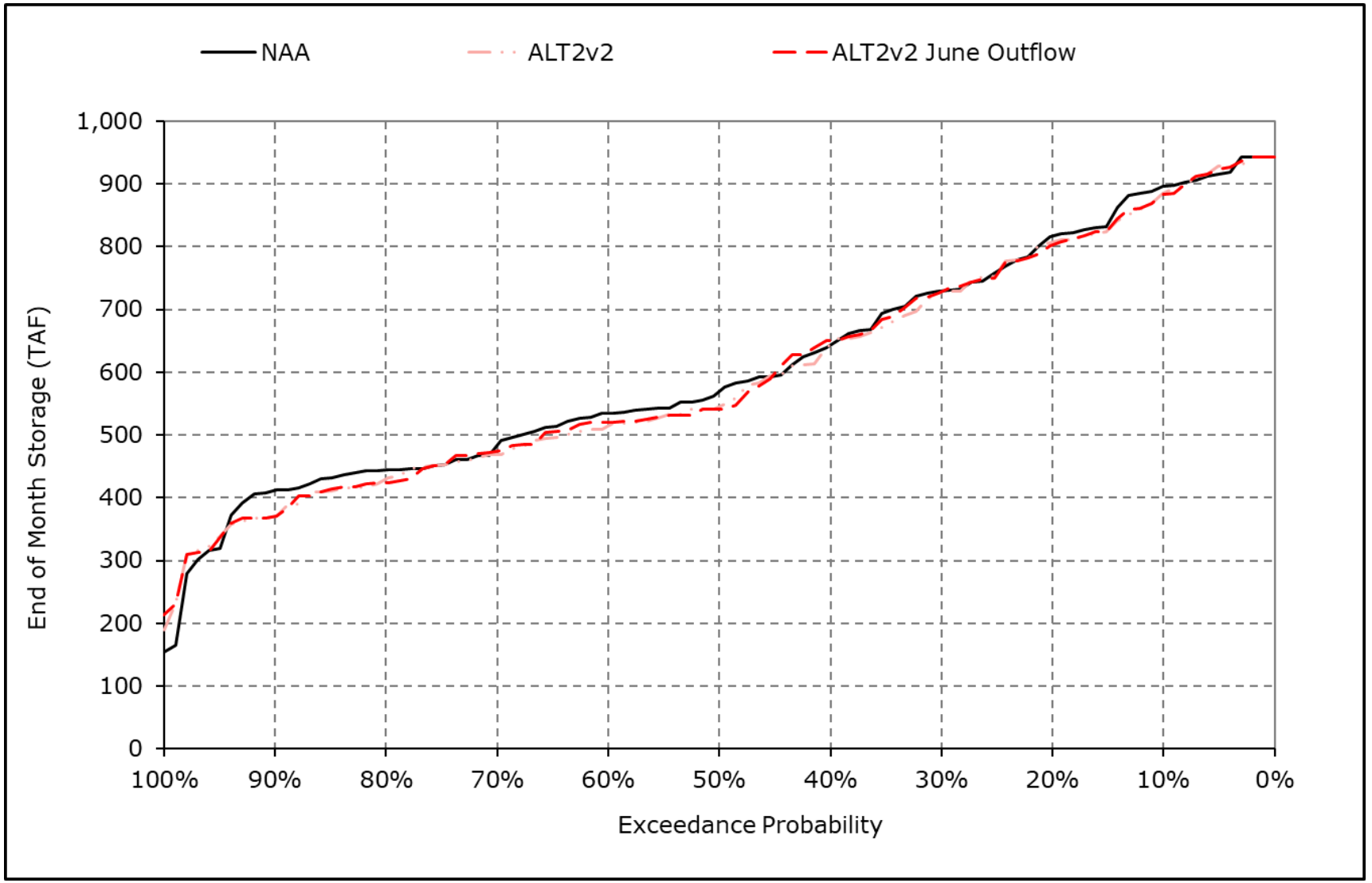
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



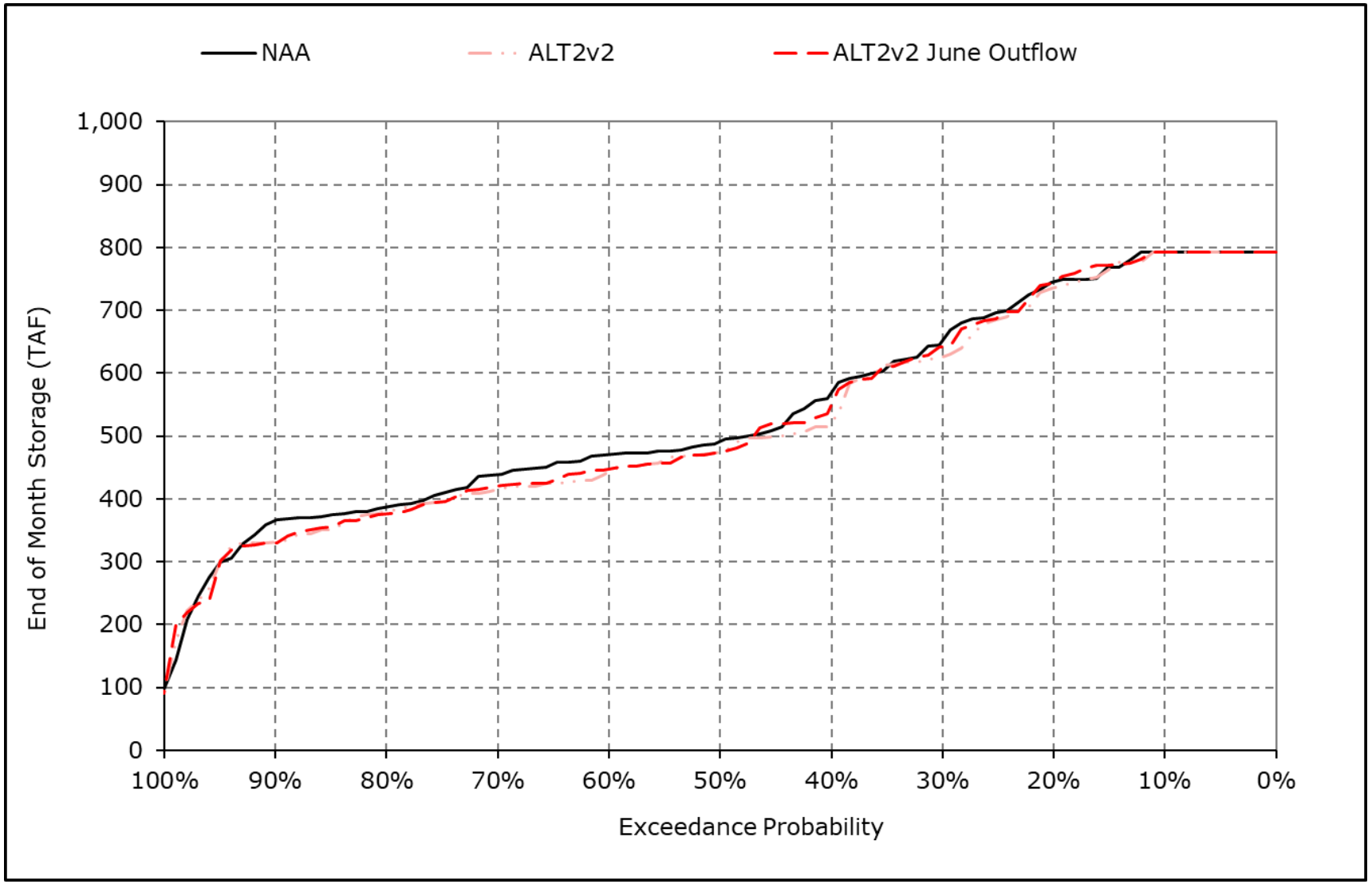
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



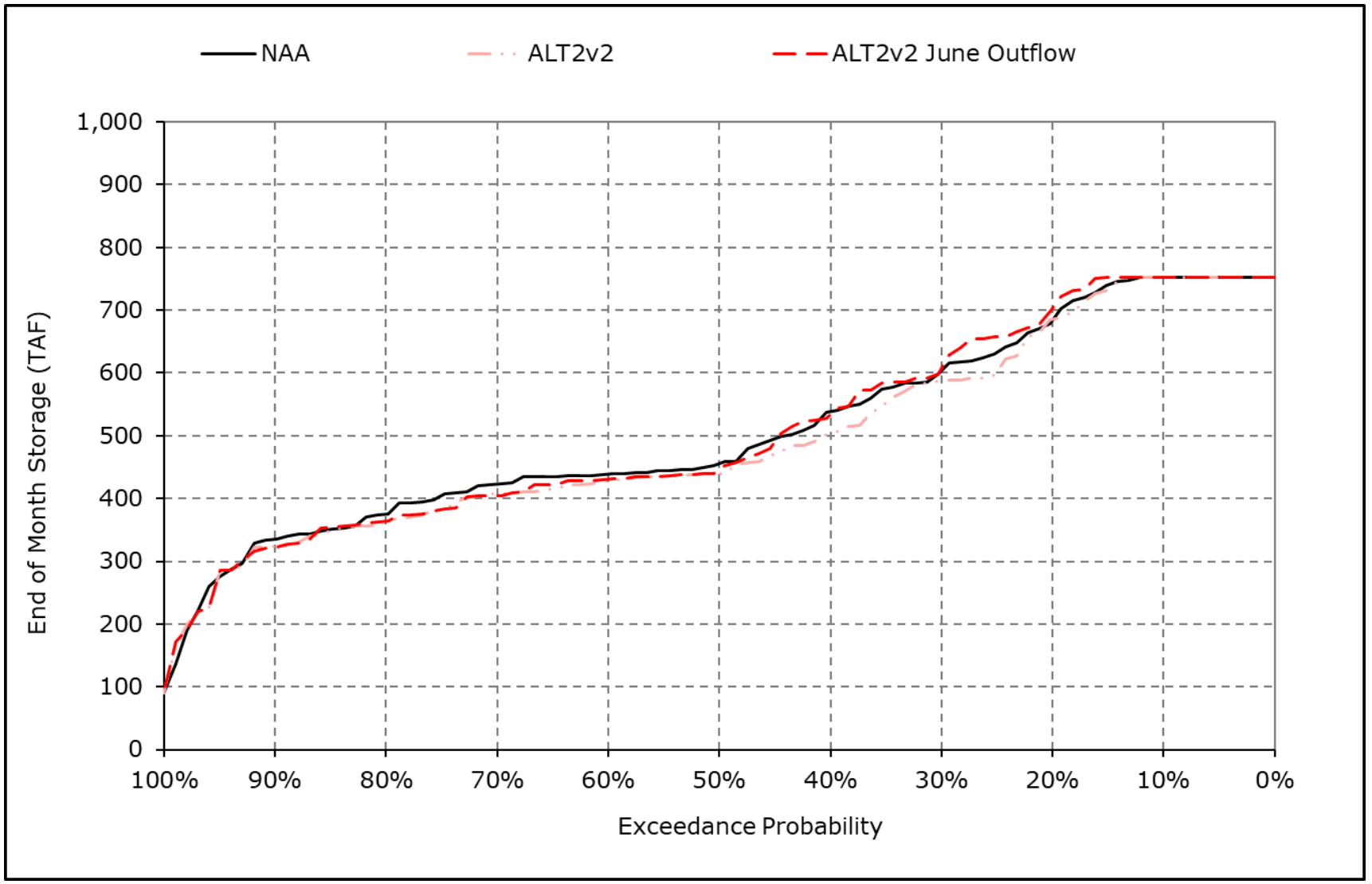
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-8-1c. Folsom Lake Elevation, ALT2v2 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.2.1-8-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

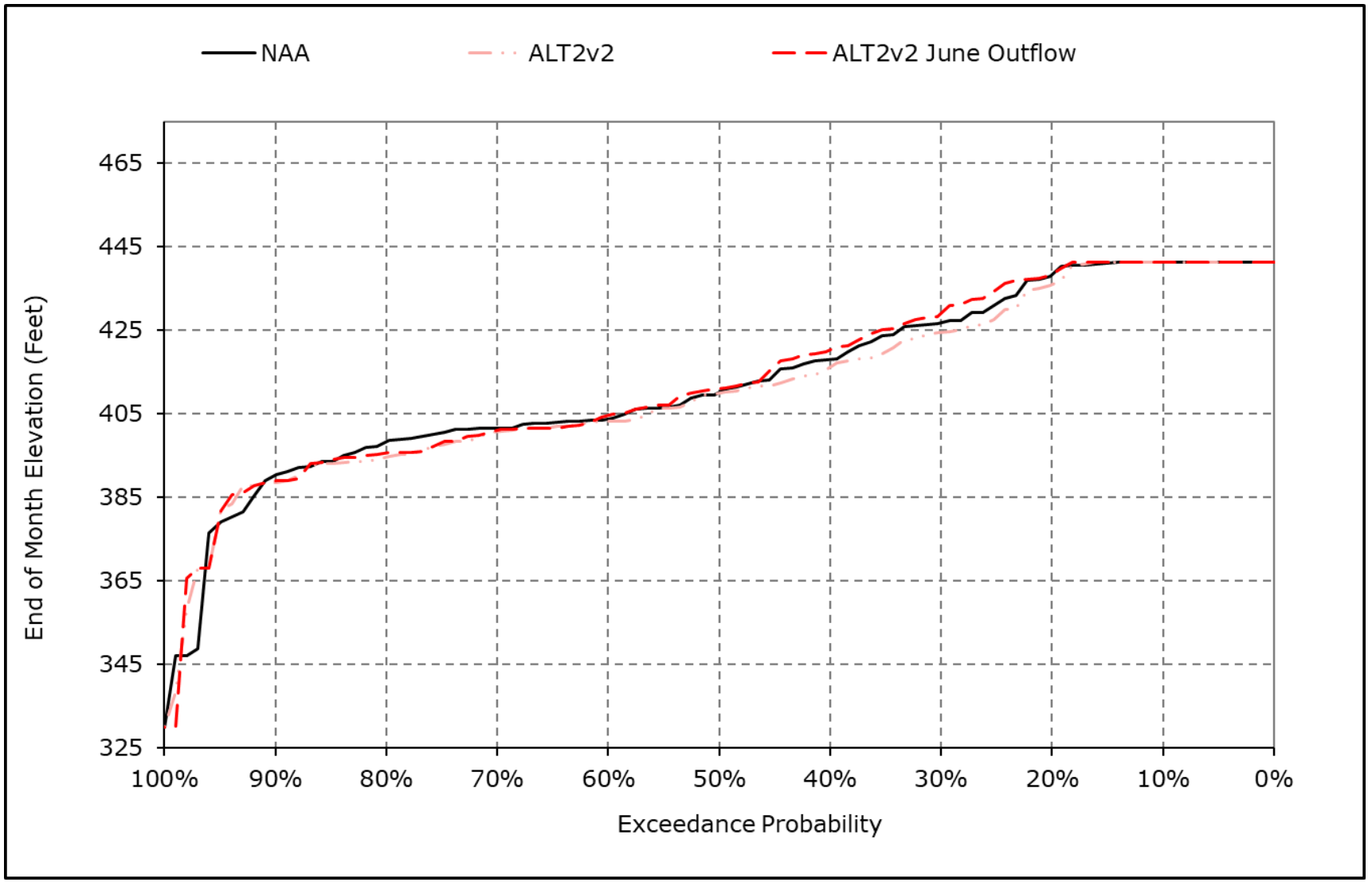
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	441	424	424	424	424	446	460	466	466	458	449	445
20% Exceedance	438	424	424	424	424	446	460	466	466	450	444	440
30% Exceedance	429	423	424	424	424	446	460	466	460	443	434	429
40% Exceedance	420	421	424	424	424	446	460	466	453	435	422	420
50% Exceedance	411	409	420	424	424	446	457	459	446	421	413	409
60% Exceedance	405	405	416	424	424	439	450	453	440	419	410	407
70% Exceedance	401	401	408	418	424	434	444	439	436	413	406	404
80% Exceedance	396	397	402	411	421	426	431	426	419	407	400	398
90% Exceedance	389	390	395	402	409	418	418	414	411	400	393	391
Full Simulation Period Average[a]	413	408	414	418	421	437	446	448	443	427	418	415
Wet Water Years (28%)	433	421	420	424	424	445	459	464	460	448	439	436
Above Normal Water Years (14%)	418	410	416	424	424	444	458	462	454	432	424	421
Below Normal Water Years (18%)	410	407	414	421	423	441	454	454	448	426	416	412
Dry Water Years (24%)	405	407	411	414	420	434	443	441	434	418	409	406
Critical Water Years (16%)	386	385	404	406	411	416	412	413	409	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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

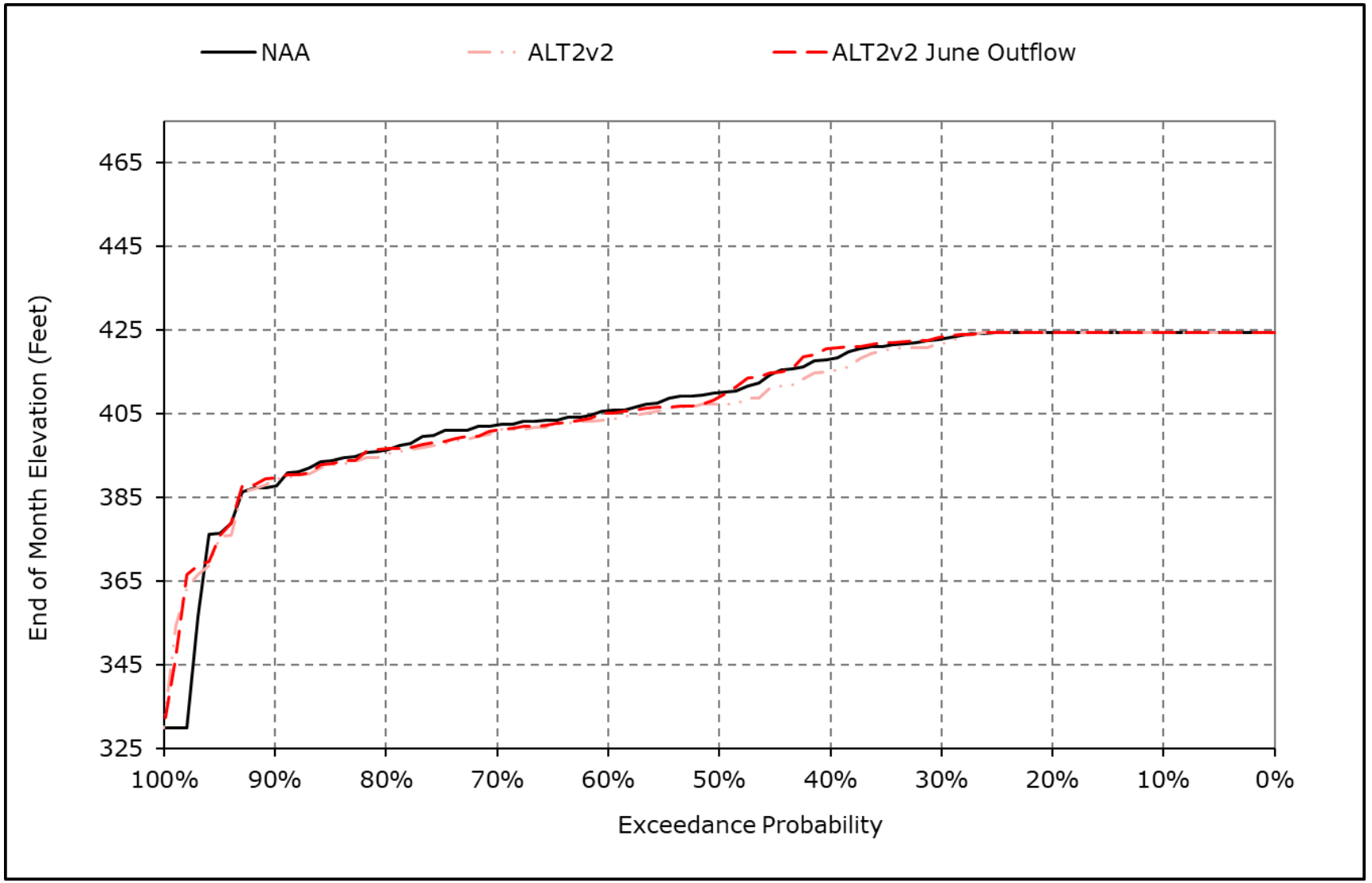
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	2
30% Exceedance	2	0	0	0	0	0	0	0	-4	0	-1	0
40% Exceedance	2	2	0	0	0	0	0	0	-5	1	-2	-1
50% Exceedance	1	-1	-1	0	0	0	-1	-1	-2	-3	-2	-1
60% Exceedance	1	-1	-1	0	0	0	-1	0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



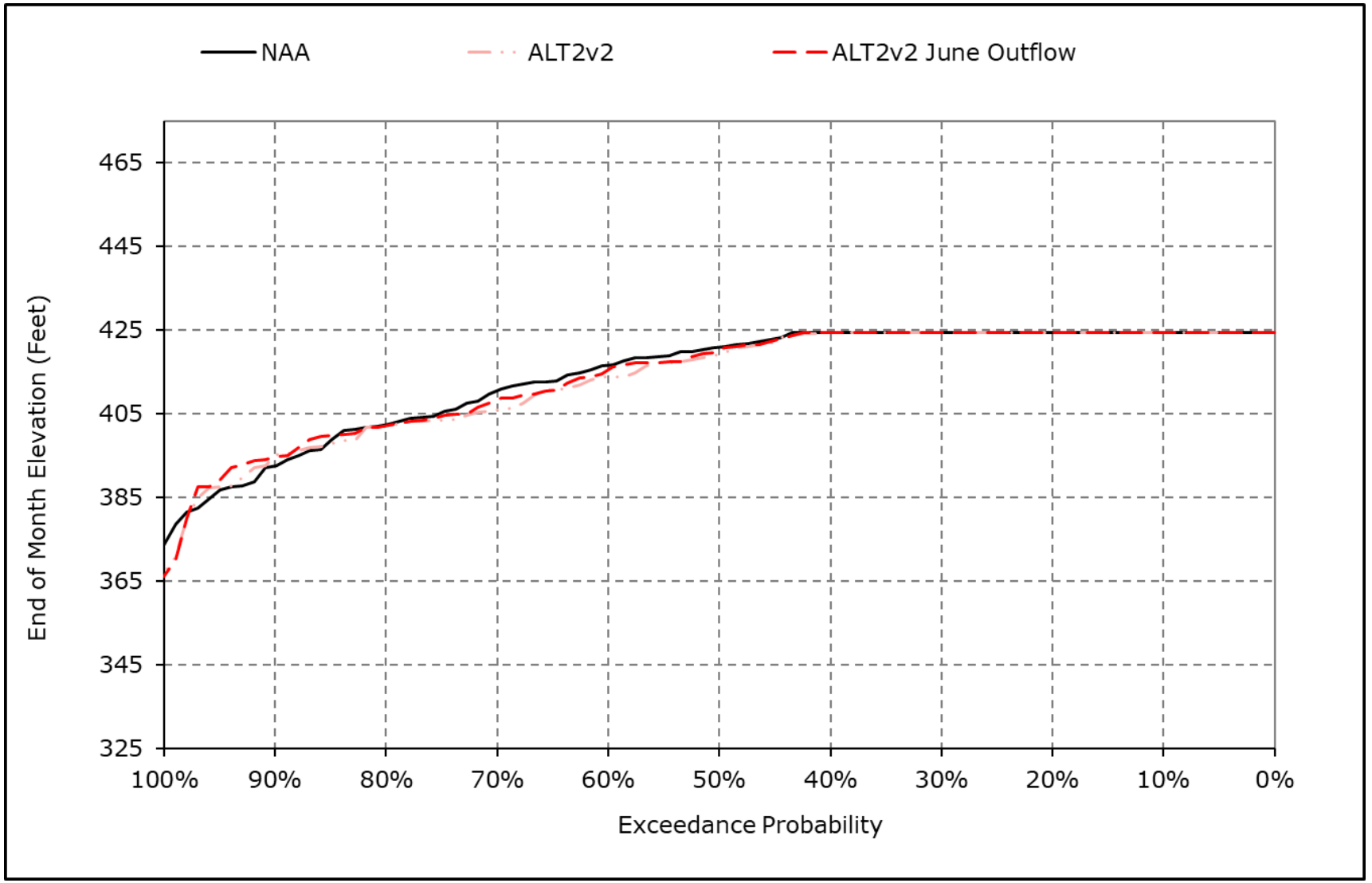
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



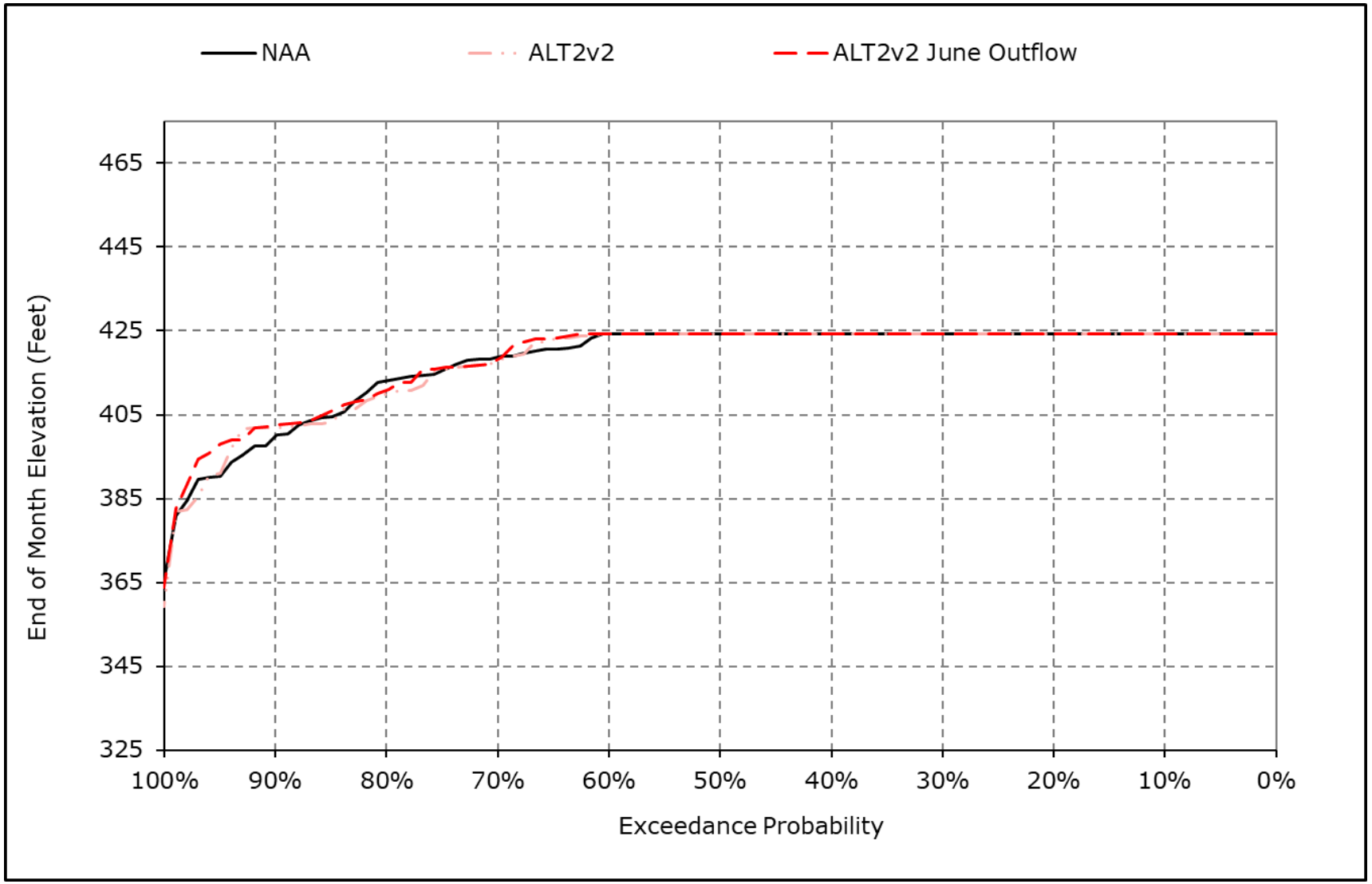
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



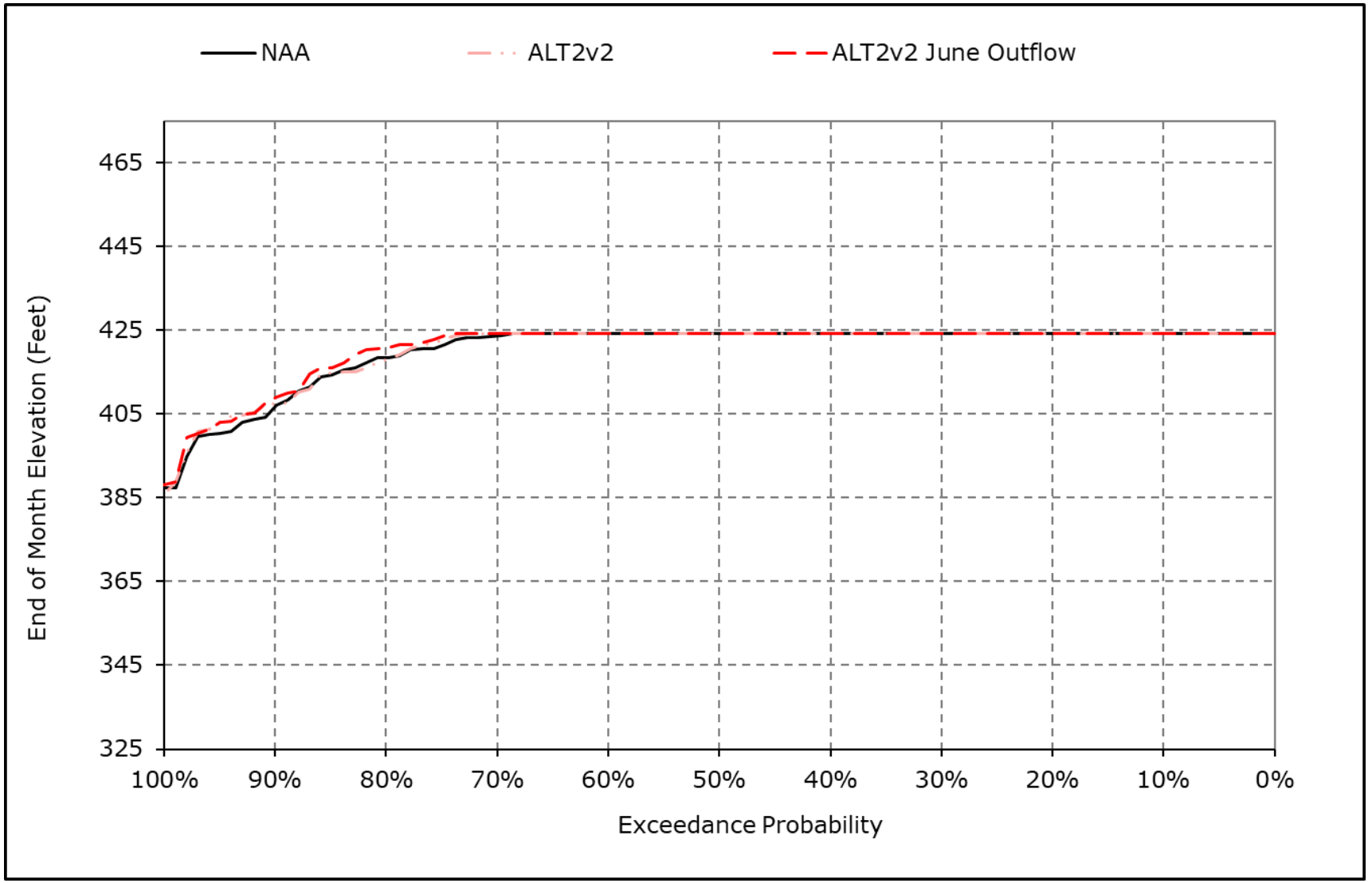
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



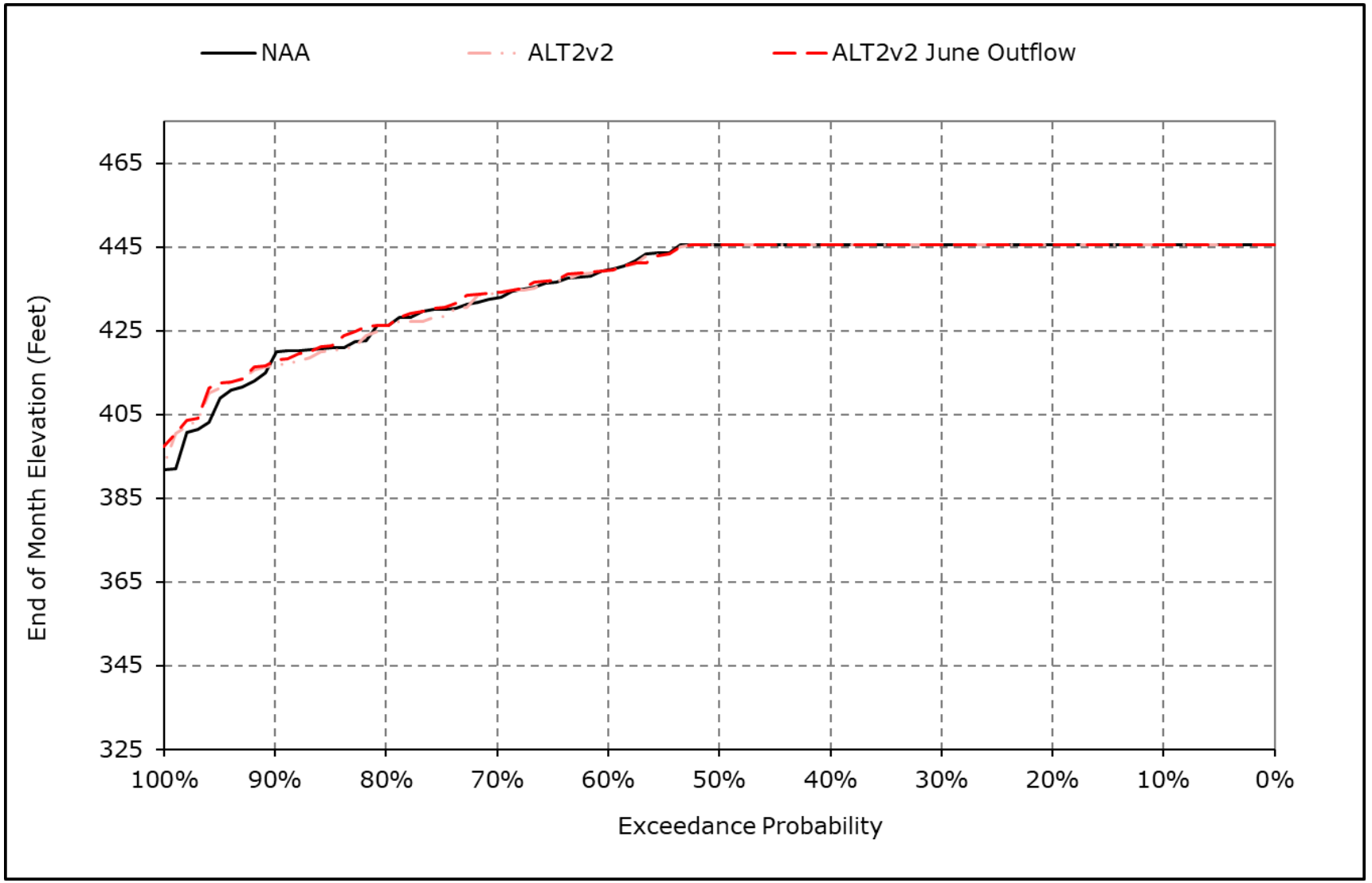
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



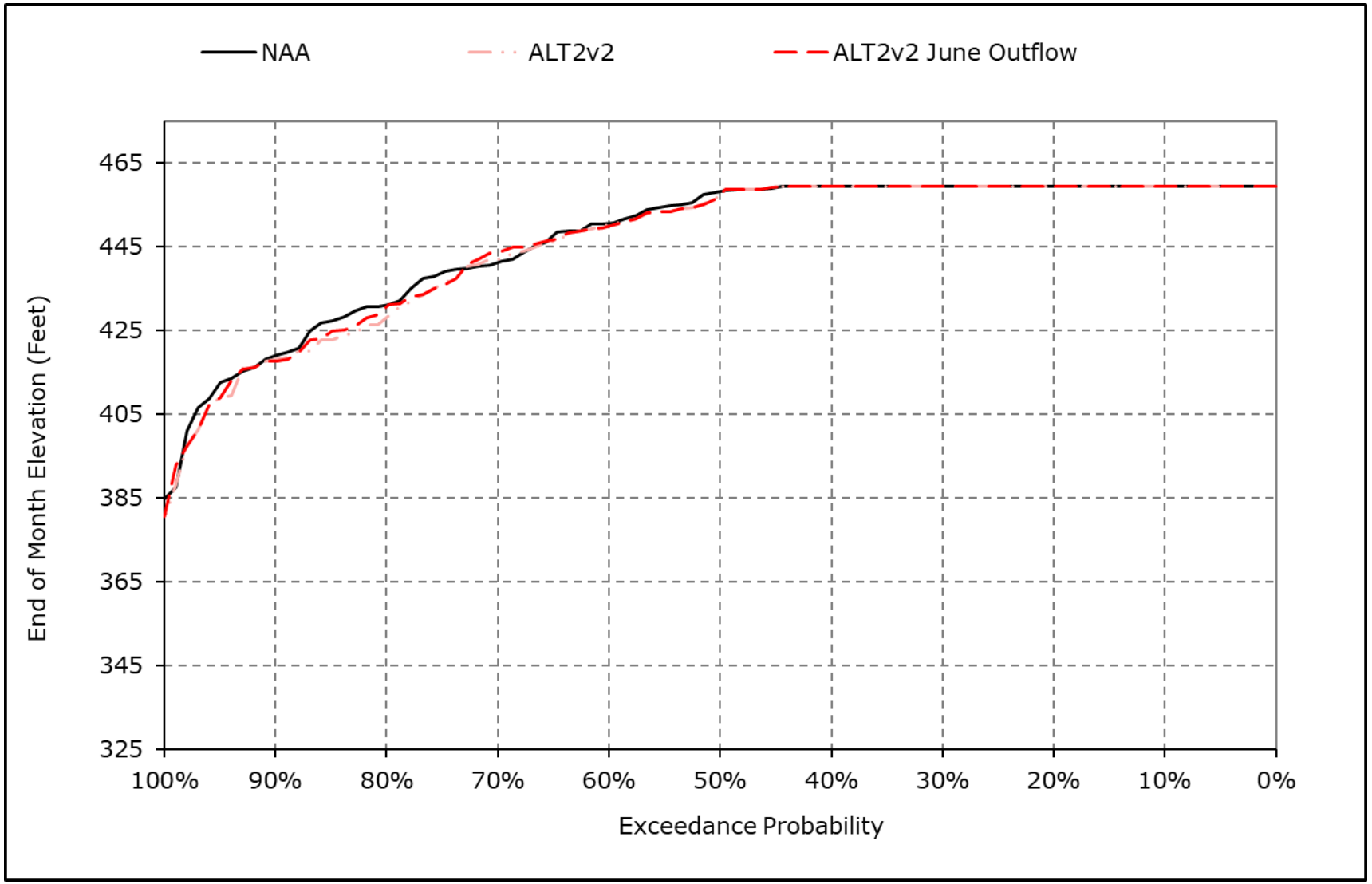
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



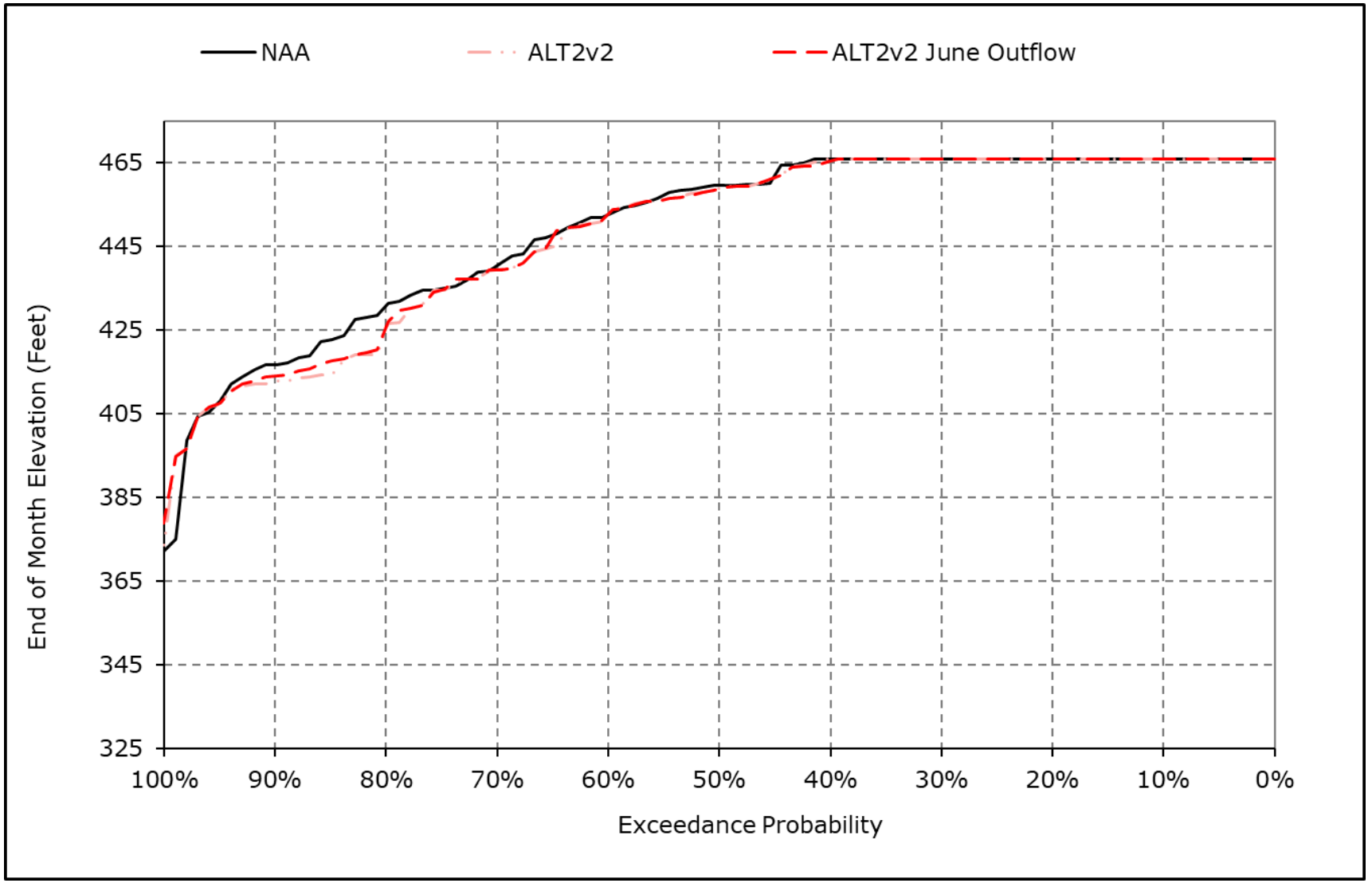
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



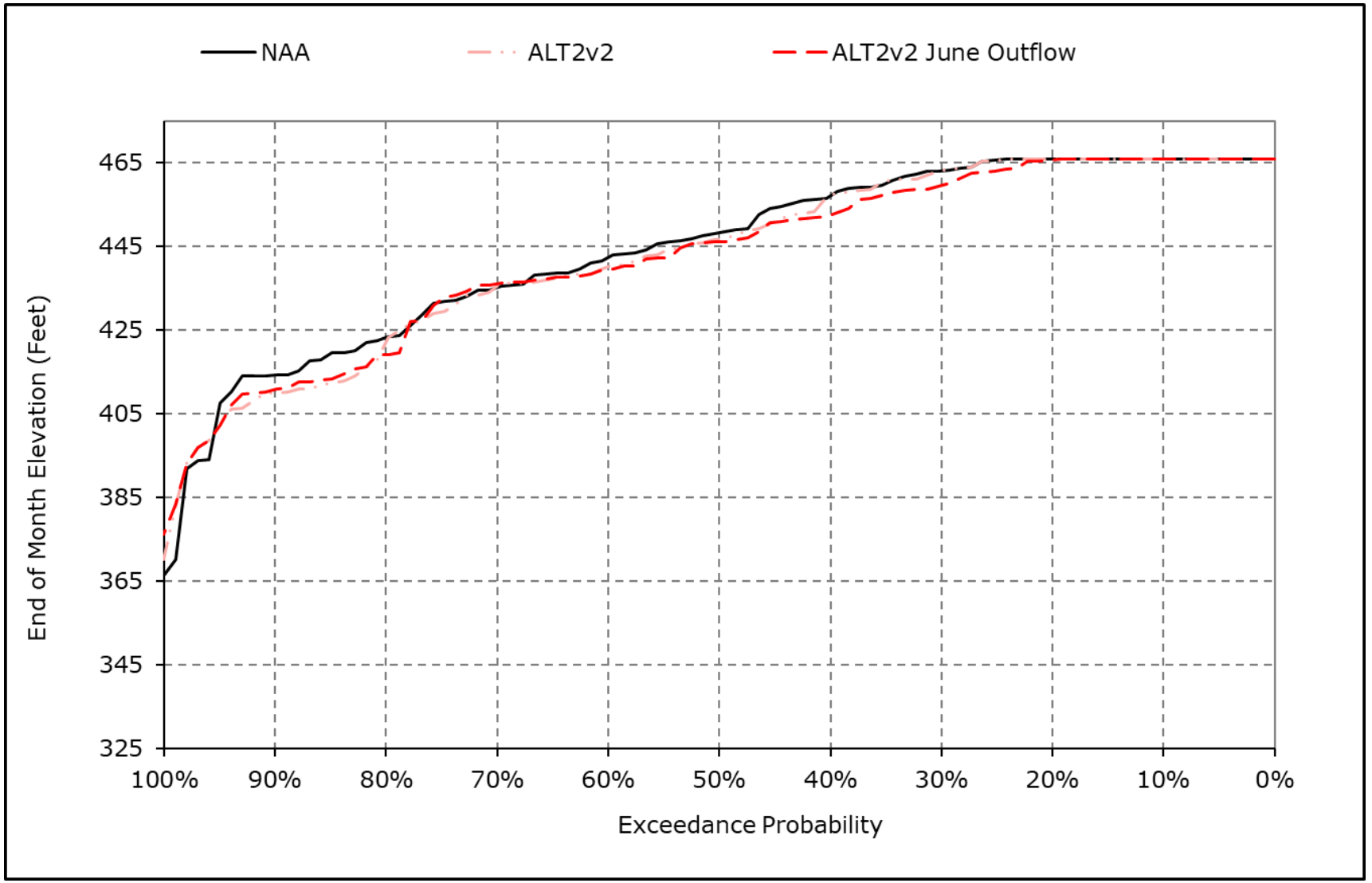
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



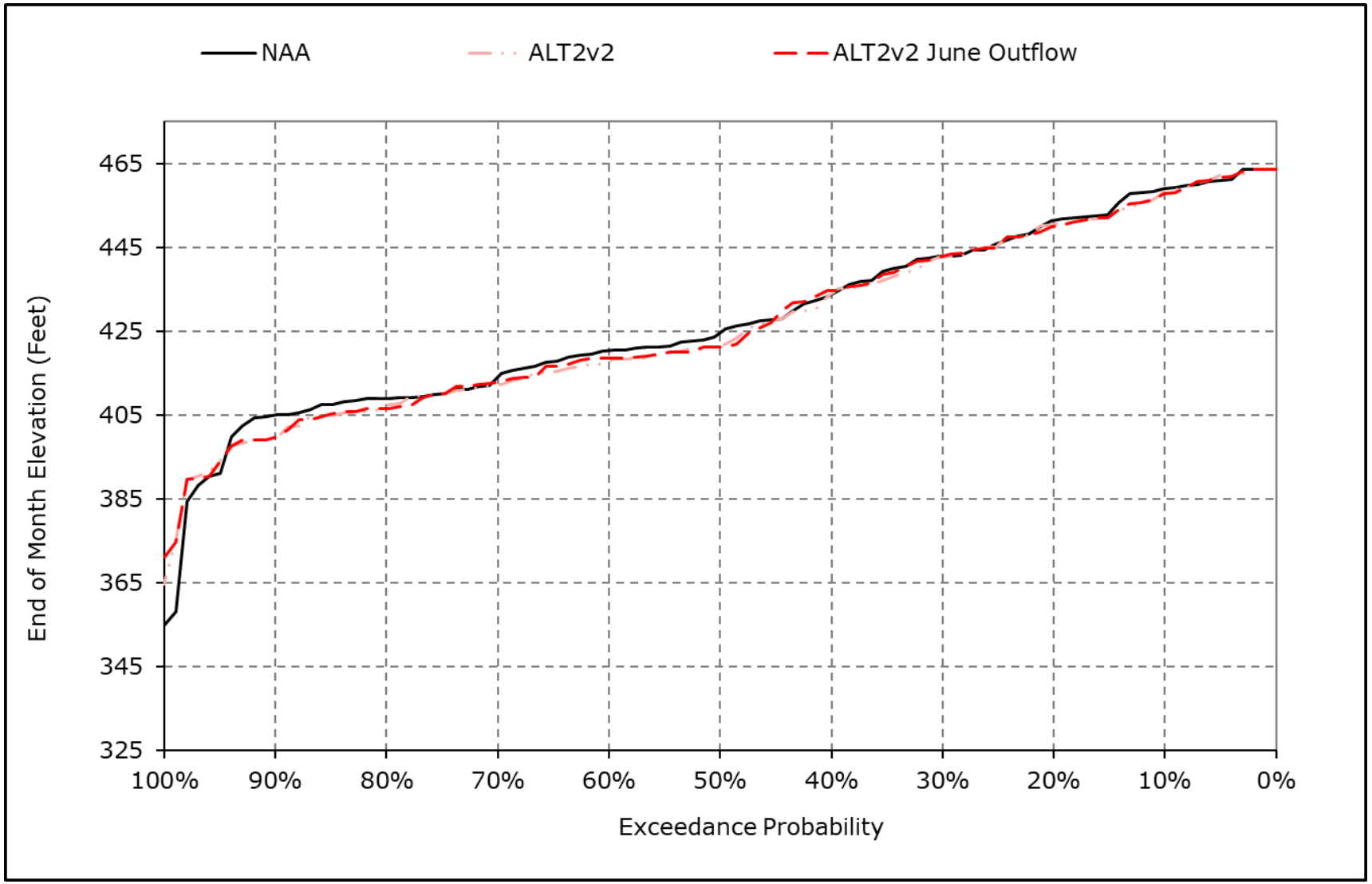
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



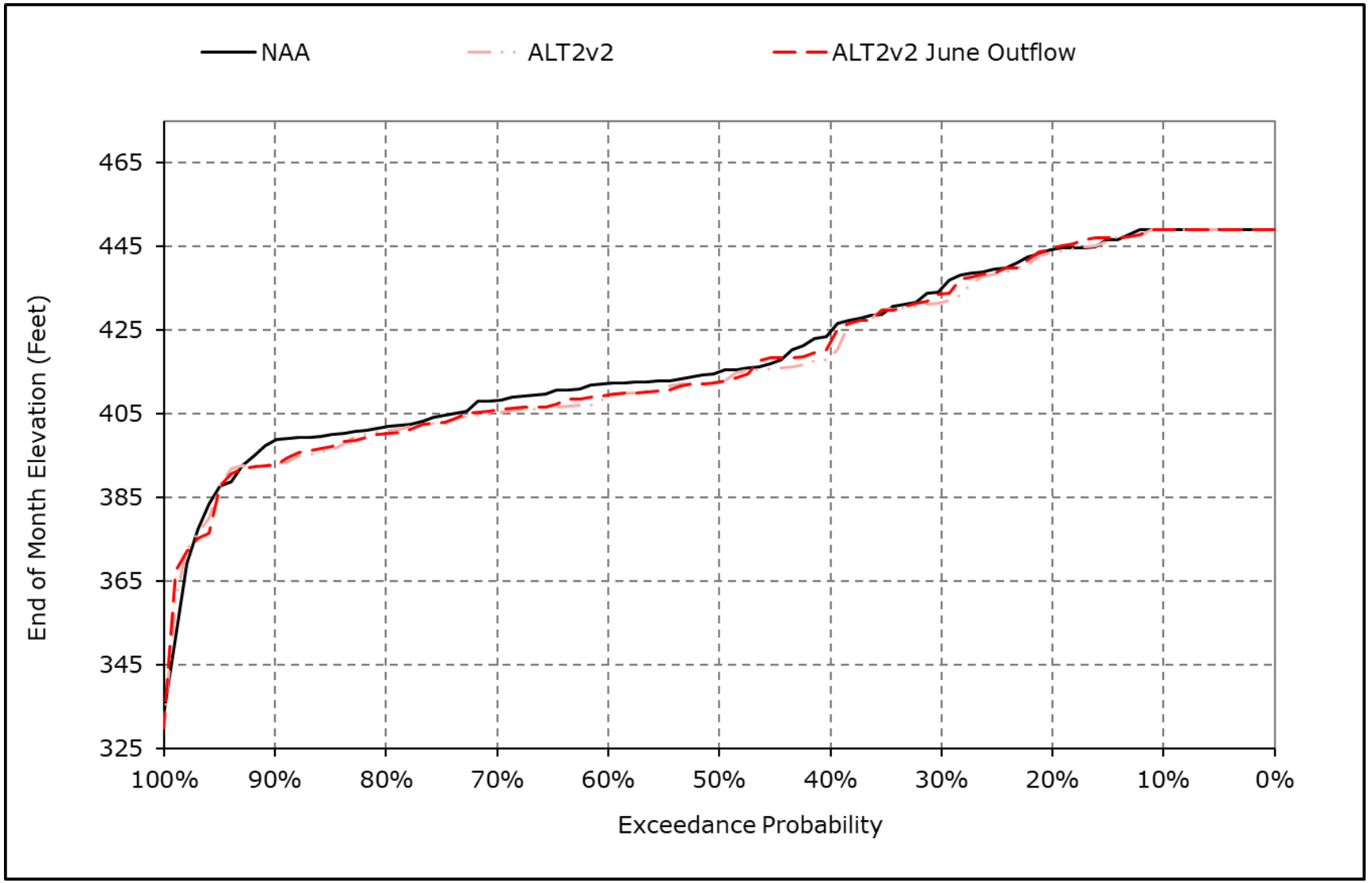
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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



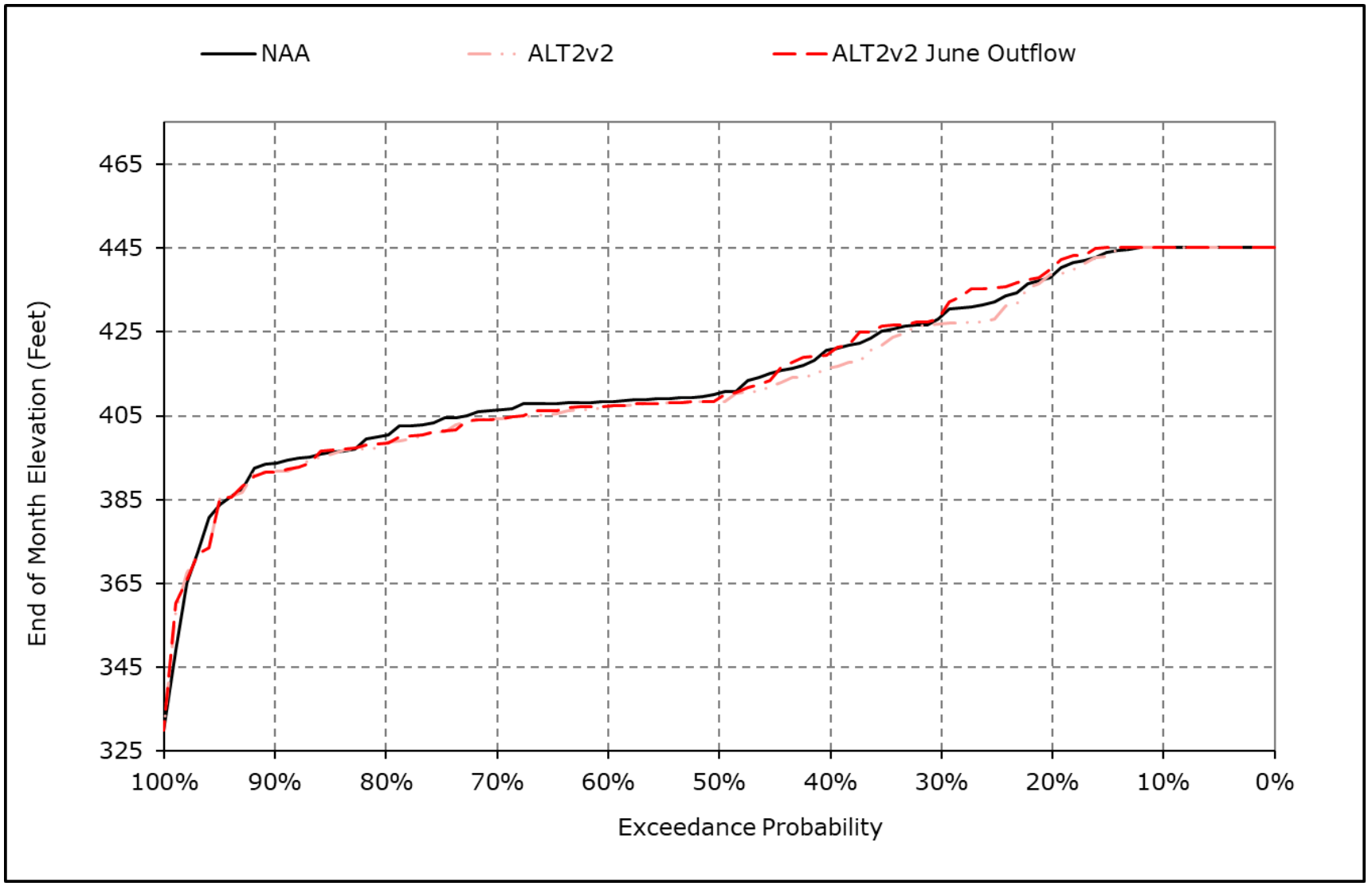
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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), ALT2v2, 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.2.1-9-1c. San Luis Storage (Central Valley Project and State Water Project), ALT2v2 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.2.1-9-2a. 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), ALT2v2 June Outflow, End-of-Month Storage (TAF)

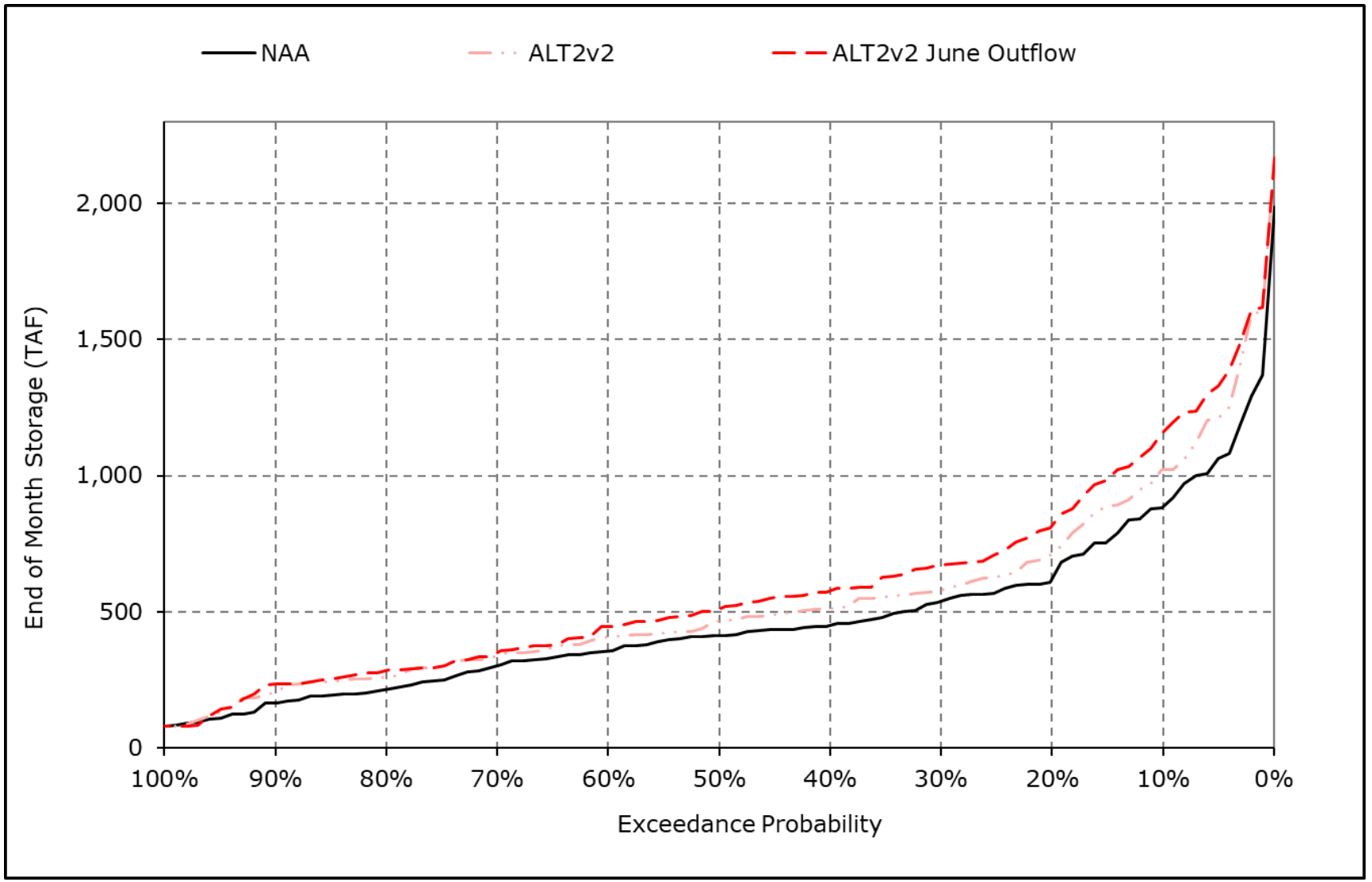
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,160	1,371	1,614	1,809	2,035	2,169	2,150	2,075	1,708	1,263	1,048	1,077
20% Exceedance	817	1,177	1,434	1,595	1,738	2,031	2,043	1,862	1,440	1,110	876	798
30% Exceedance	672	946	1,175	1,422	1,579	1,738	1,650	1,612	1,205	927	726	673
40% Exceedance	576	813	1,015	1,183	1,489	1,520	1,512	1,337	974	773	620	587
50% Exceedance	511	681	858	1,105	1,322	1,389	1,284	1,107	822	648	568	505
60% Exceedance	445	577	773	994	1,174	1,262	1,167	1,015	696	591	469	424
70% Exceedance	351	463	636	889	1,065	1,124	1,068	887	629	527	418	398
80% Exceedance	284	349	544	771	913	1,025	906	780	538	464	374	354
90% Exceedance	235	255	434	632	808	913	839	655	395	348	302	275
Full Simulation Period Average[a]	591	763	957	1,160	1,347	1,452	1,392	1,269	952	767	629	593
Wet Water Years (28%)	994	1,224	1,388	1,487	1,741	1,915	1,920	1,848	1,481	1,180	1,001	945
Above Normal Water Years (14%)	557	784	974	1,228	1,464	1,540	1,451	1,264	831	652	635	553
Below Normal Water Years (18%)	471	641	833	1,246	1,356	1,395	1,287	1,110	756	616	545	523
Dry Water Years (24%)	405	575	751	925	1,077	1,185	1,091	950	708	621	439	427
Critical Water Years (16%)	316	328	617	782	952	1,028	984	916	717	533	356	336

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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), ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

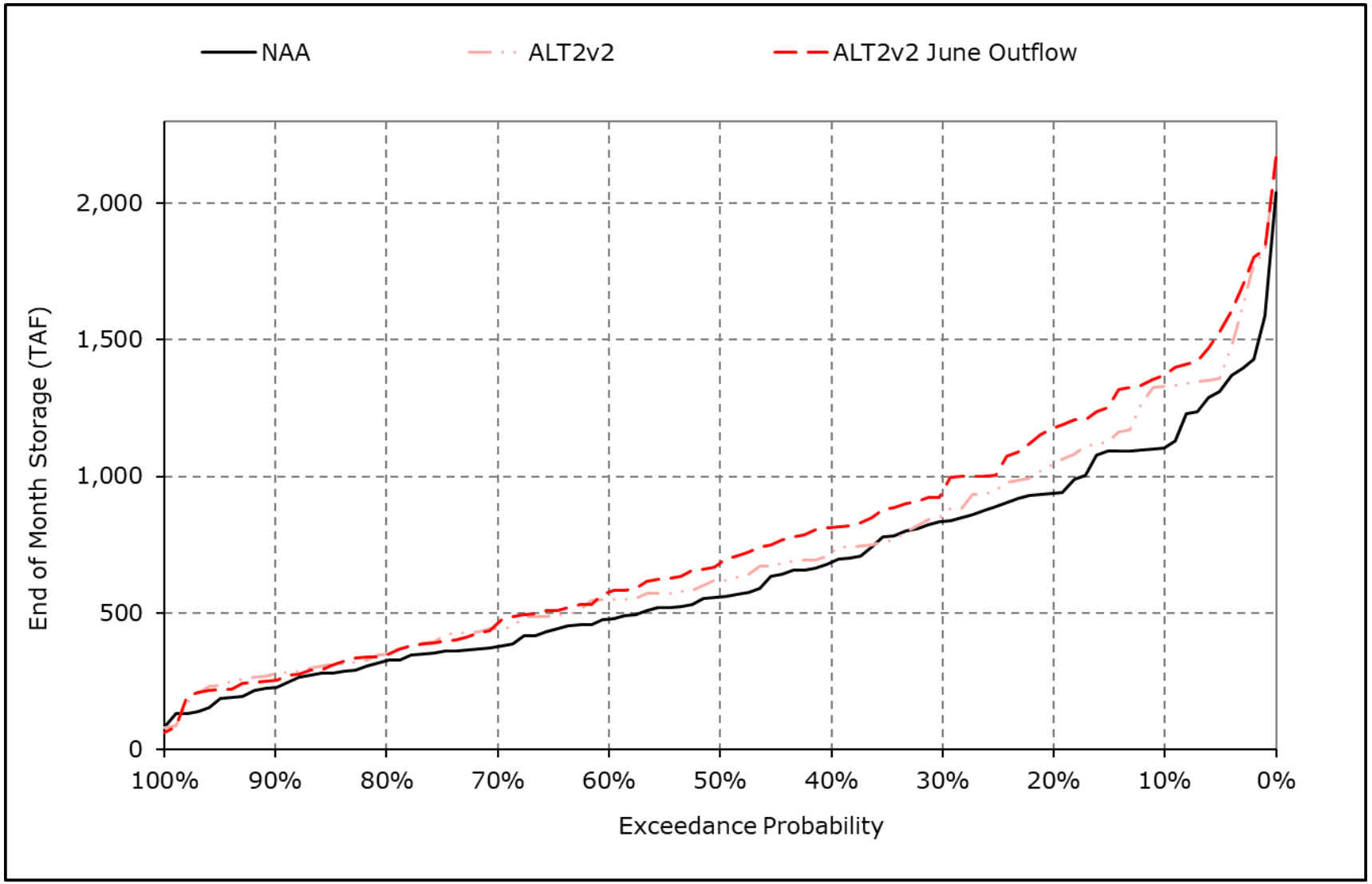
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	273	265	94	104	28	130	111	170	212	103	147	198
20% Exceedance	193	240	194	153	63	43	183	218	171	135	159	137
30% Exceedance	133	111	83	103	71	-12	-42	113	130	112	73	116
40% Exceedance	127	127	92	85	98	-44	0	65	50	60	17	68
50% Exceedance	98	122	32	60	73	1	16	58	25	33	51	91
60% Exceedance	91	100	84	31	26	-31	18	88	5	29	47	33
70% Exceedance	47	87	56	29	30	-49	3	13	12	25	44	69
80% Exceedance	70	24	37	1	-32	-26	7	33	42	44	65	95
90% Exceedance	70	29	65	55	21	-20	19	27	29	37	86	83
Full Simulation Period Average[a]	116	114	91	65	54	13	37	92	63	69	81	101
Wet Water Years (28%)	263	264	204	78	82	96	110	194	171	153	152	185
Above Normal Water Years (14%)	146	162	119	39	34	-15	25	90	39	40	53	118
Below Normal Water Years (18%)	59	67	42	110	89	-9	29	89	56	47	69	72
Dry Water Years (24%)	50	46	41	72	48	-6	8	45	12	43	72	63
Critical Water Years (16%)	-12	-45	-7	1	-6	-55	-29	-12	-24	12	6	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 Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



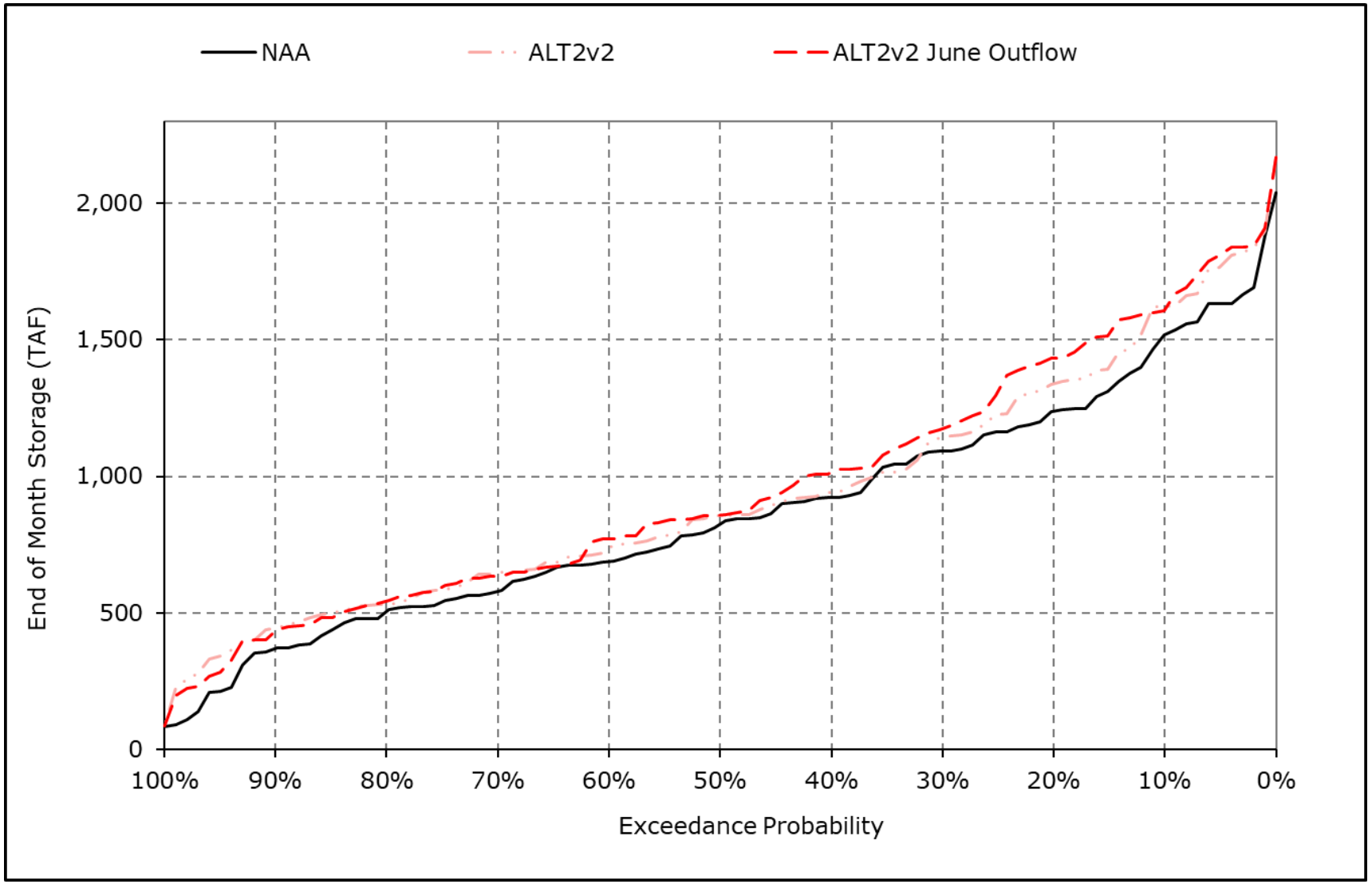
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-1. San Luis Storage (Central Valley Project and State Water Project), October



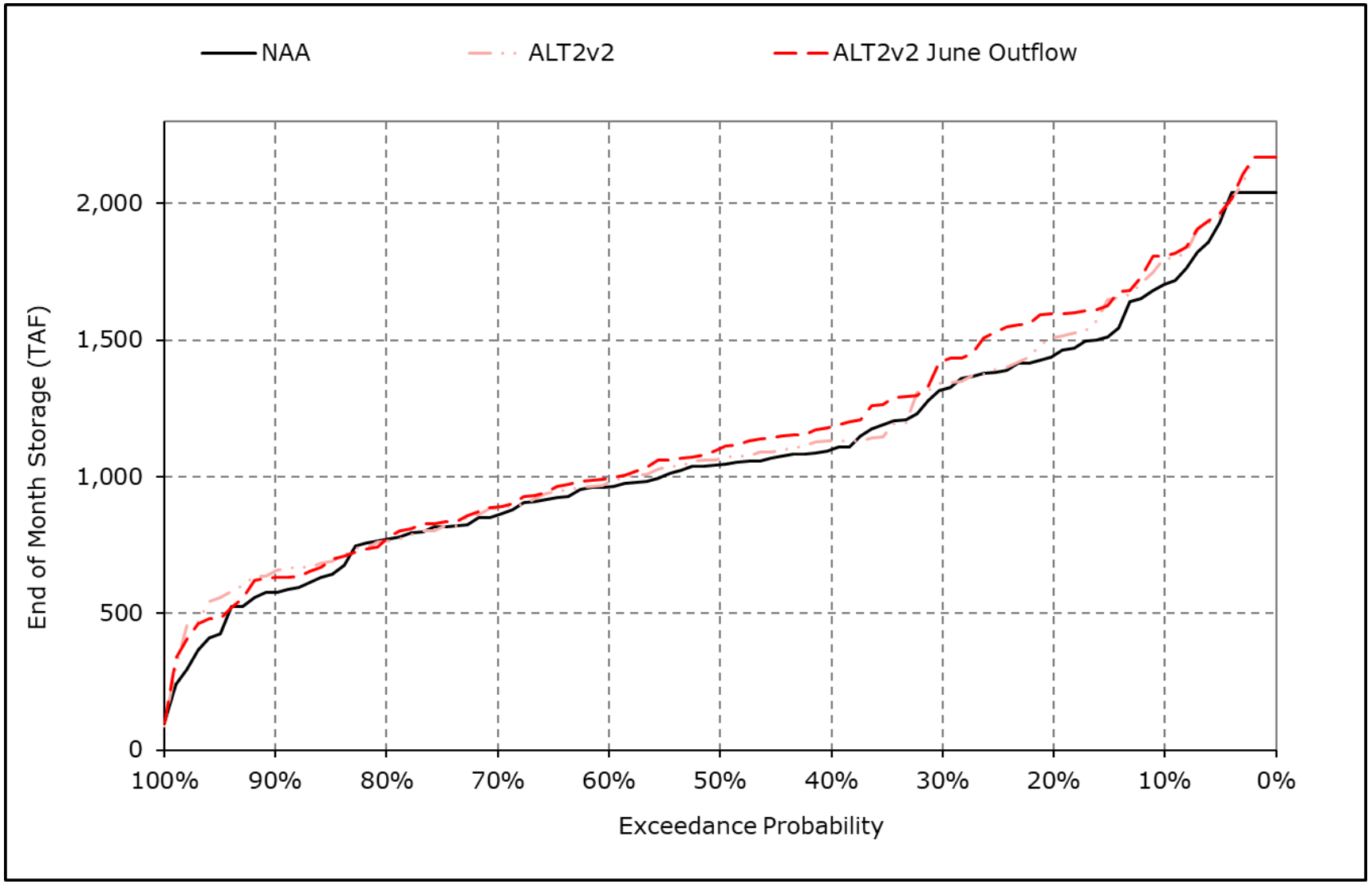
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-2. San Luis Storage (Central Valley Project and State Water Project), November



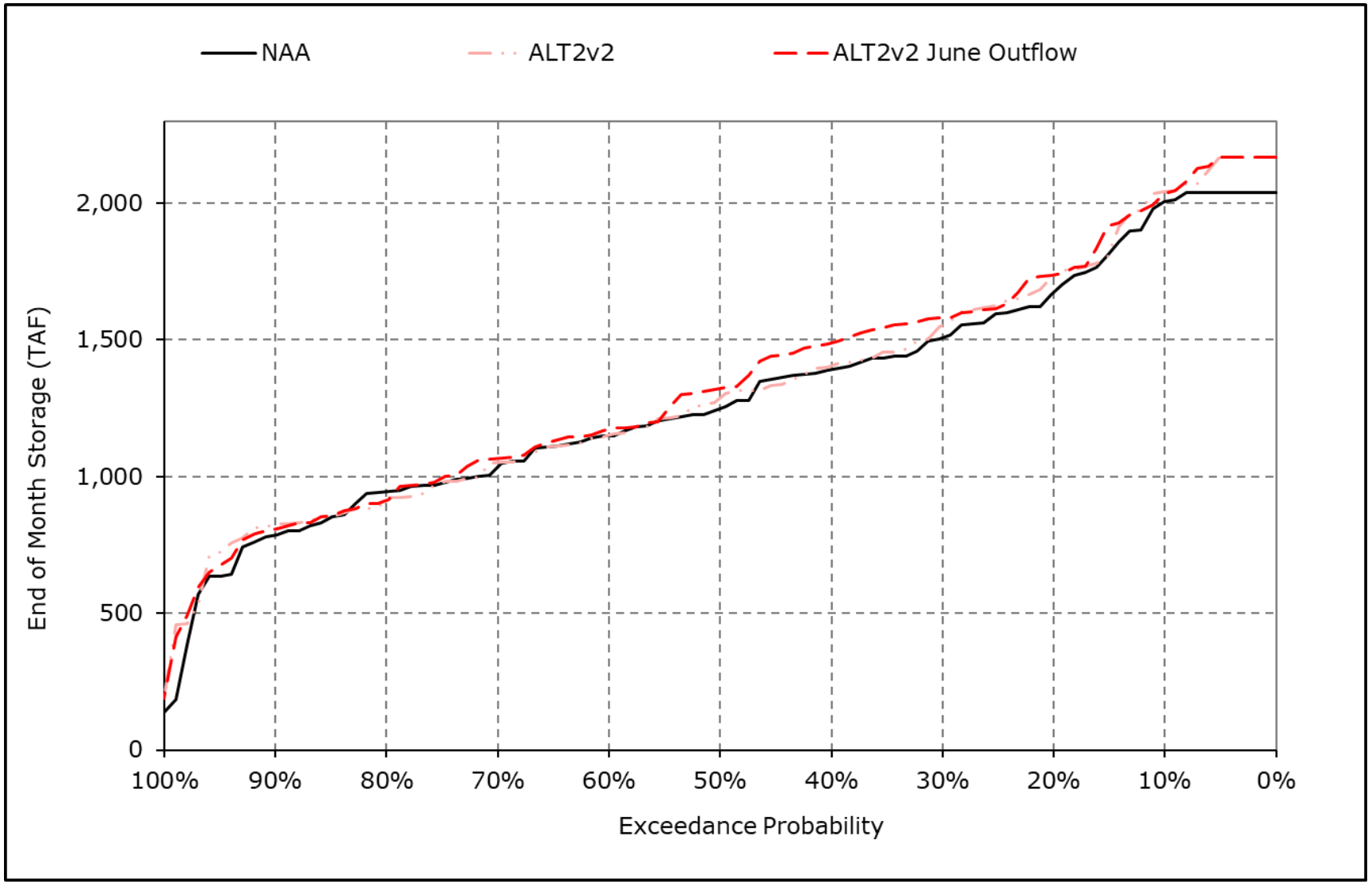
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-3. San Luis Storage (Central Valley Project and State Water Project), December



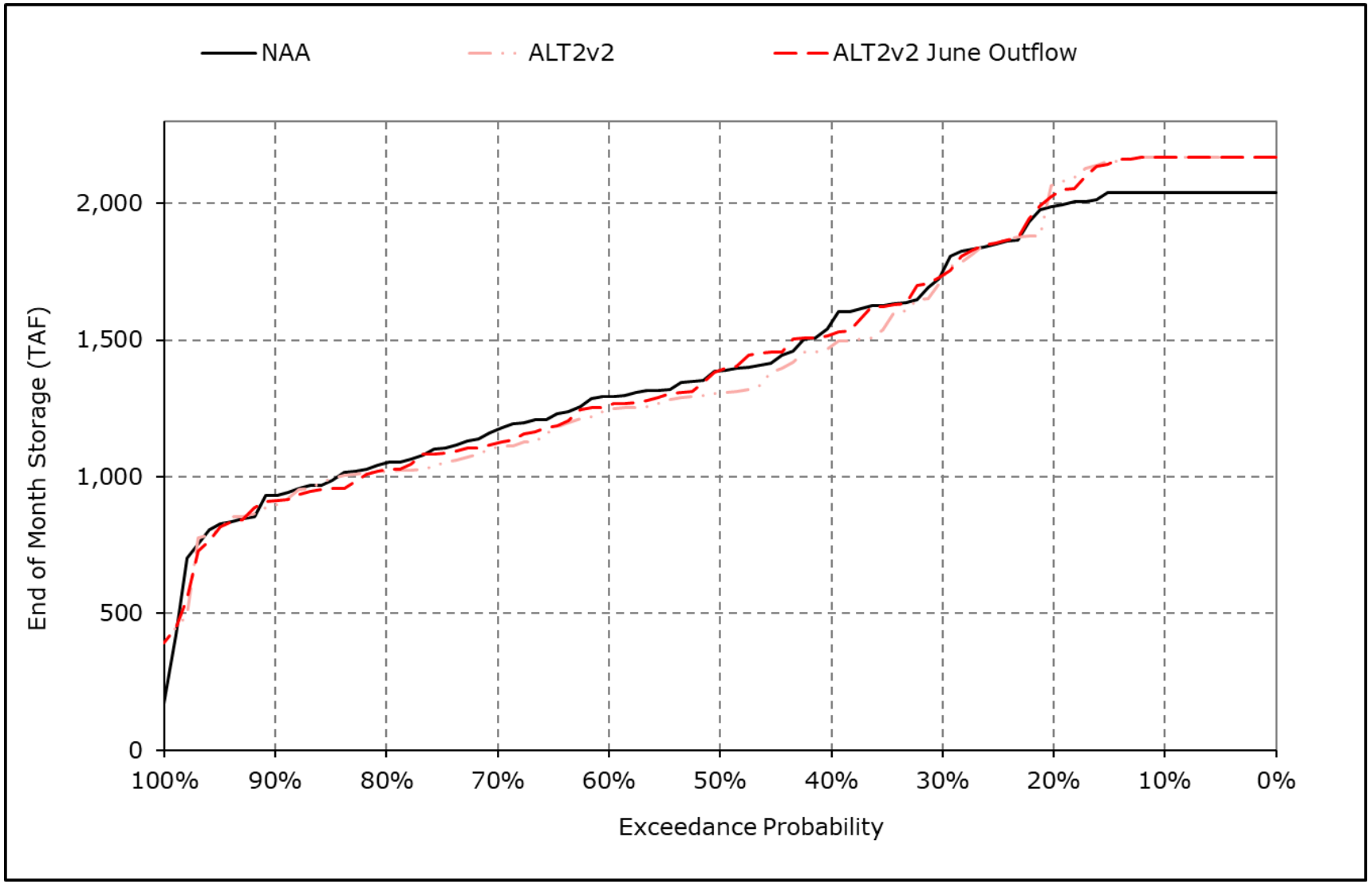
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-4. San Luis Storage (Central Valley Project and State Water Project), January



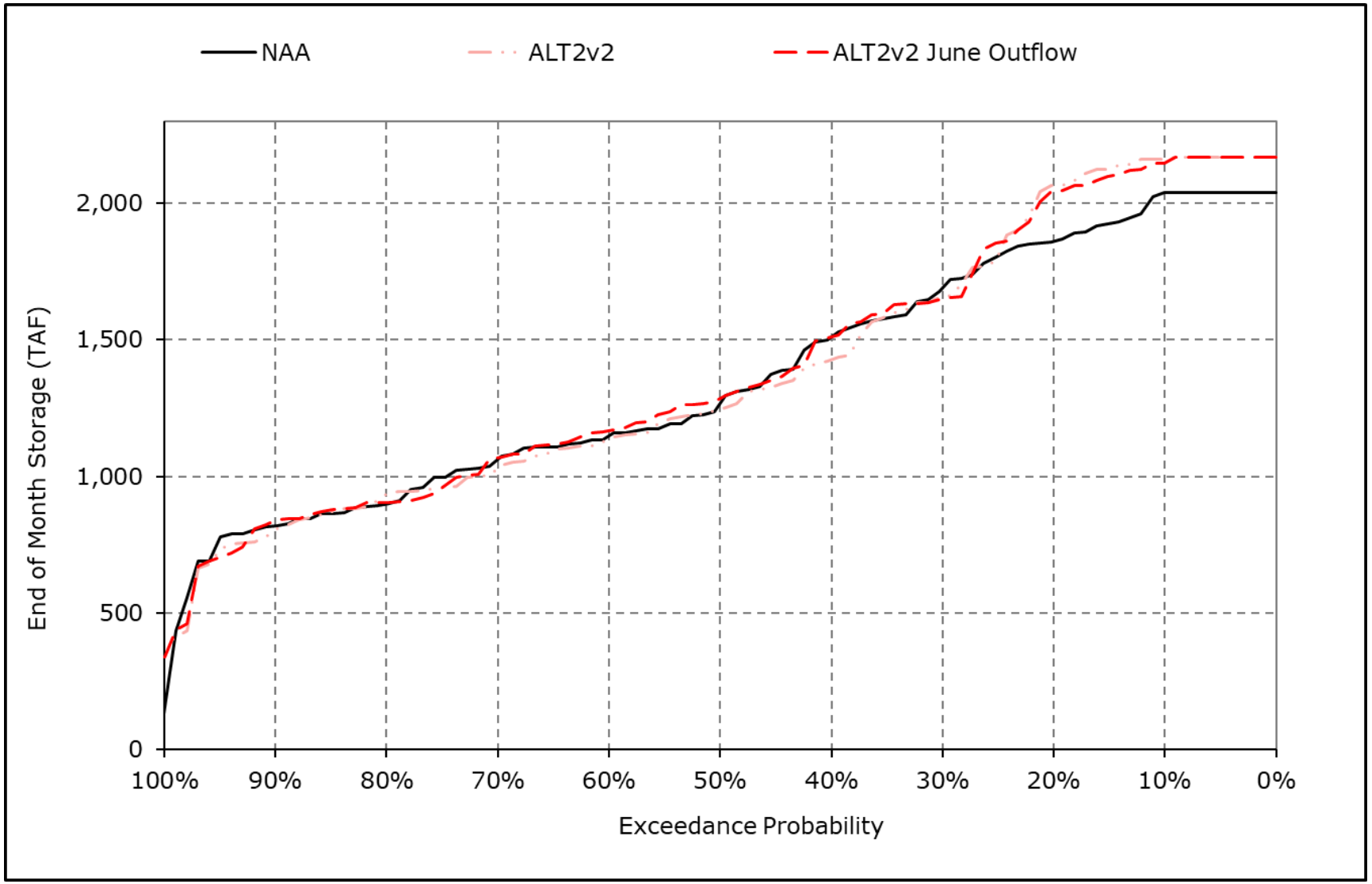
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-5. San Luis Storage (Central Valley Project and State Water Project), February



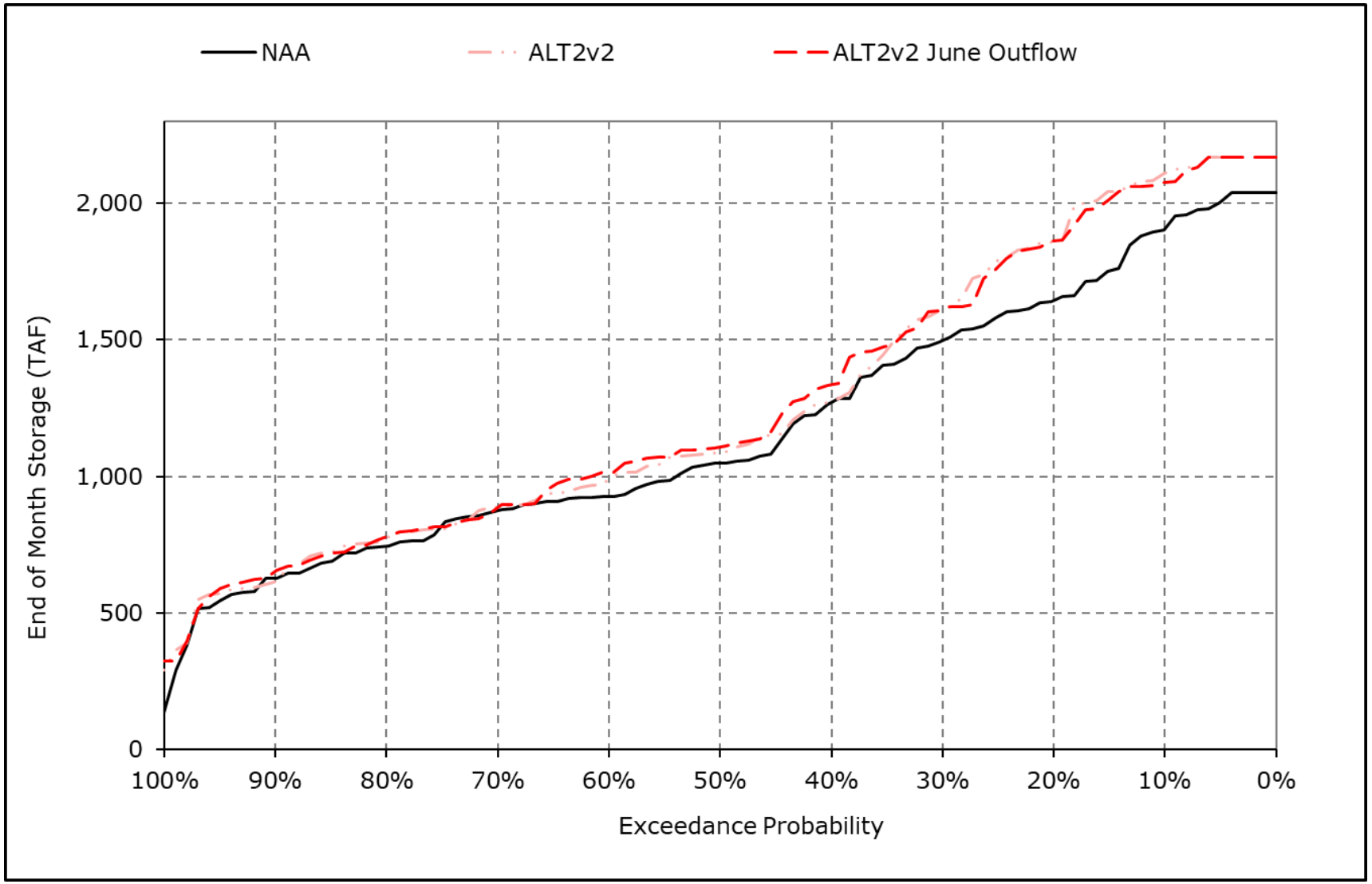
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-6. San Luis Storage (Central Valley Project and State Water Project), March



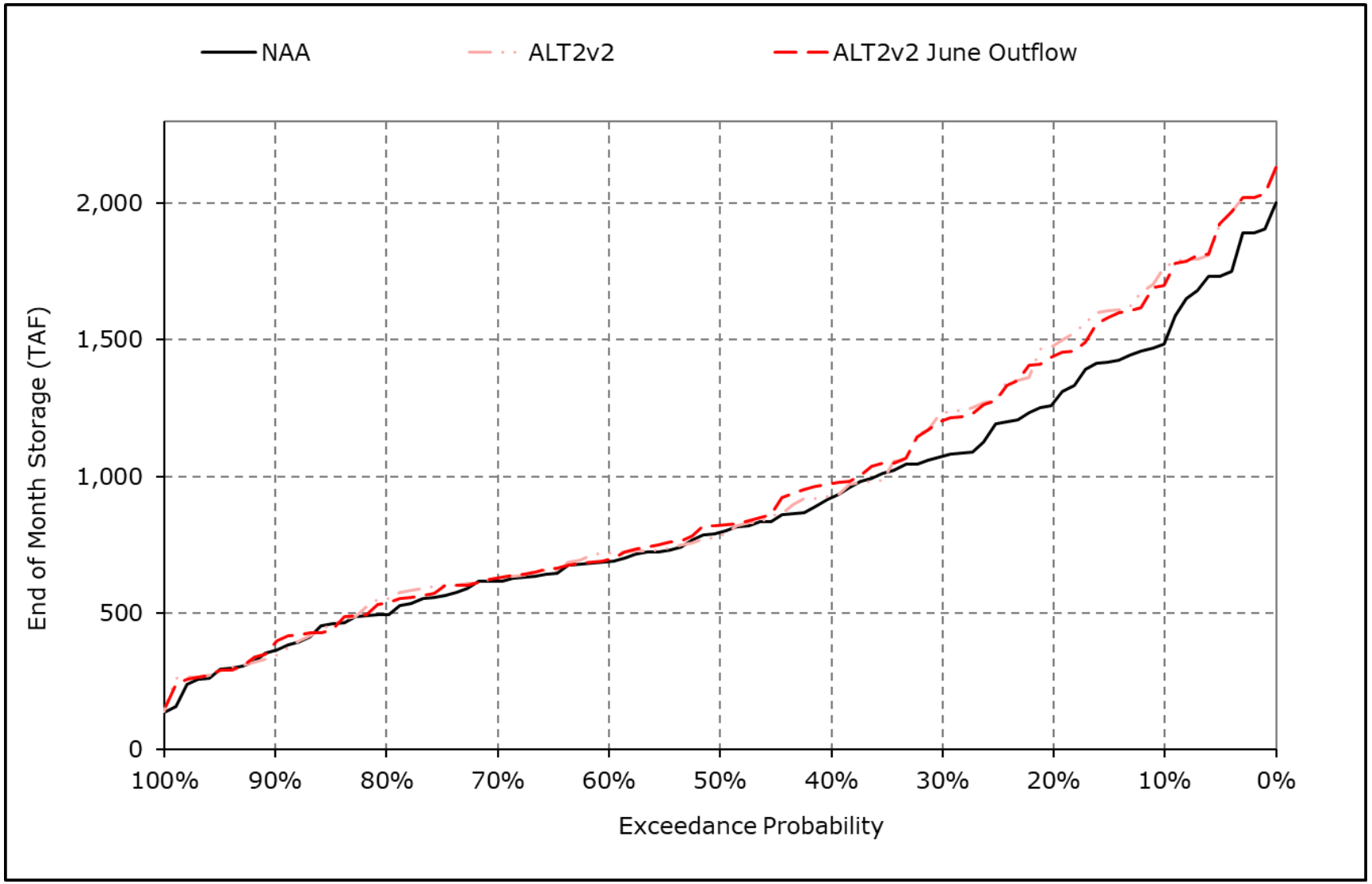
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-7. San Luis Storage (Central Valley Project and State Water Project), April



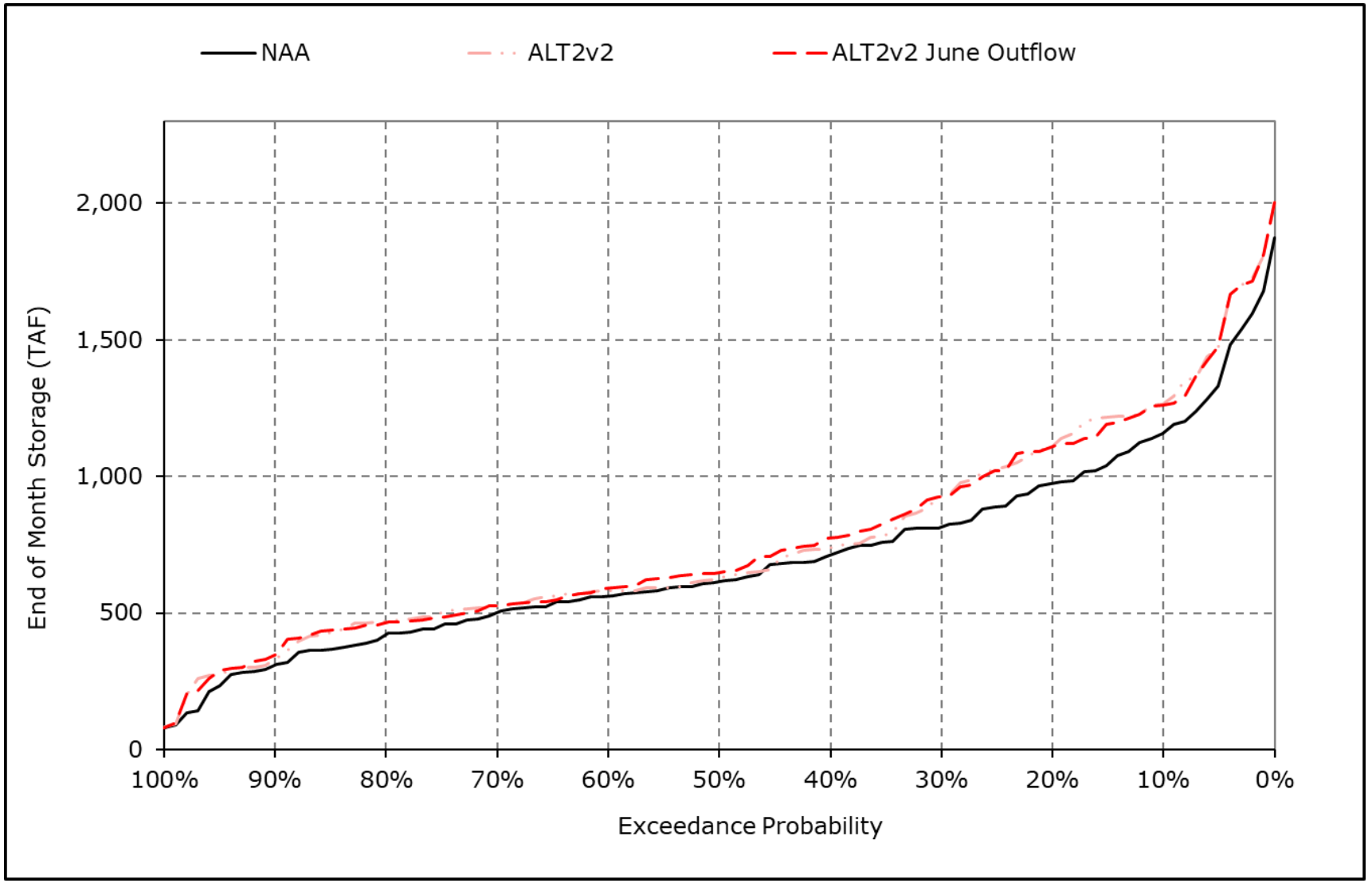
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-8. San Luis Storage (Central Valley Project and State Water Project), May



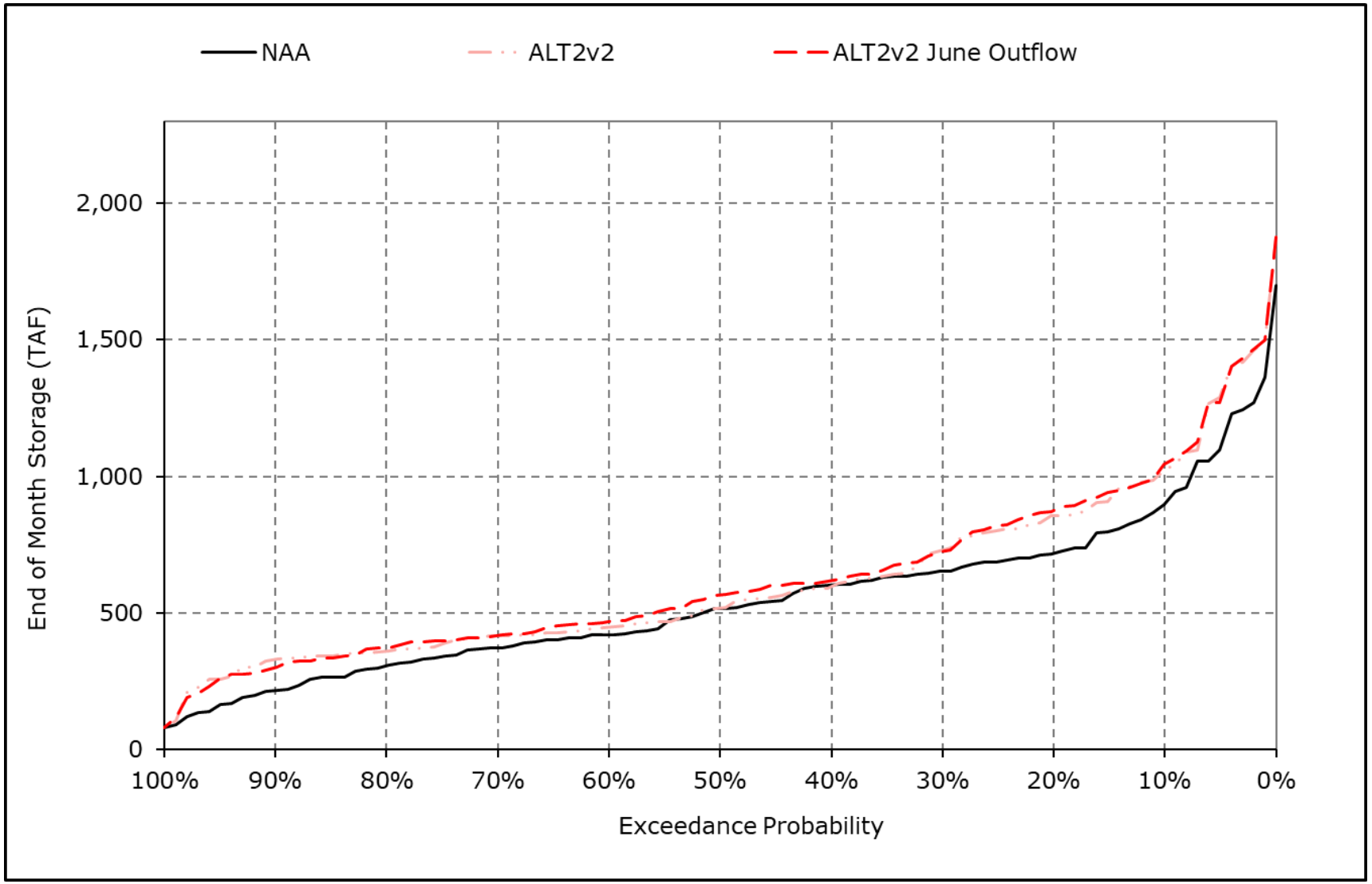
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-9. San Luis Storage (Central Valley Project and State Water Project), June



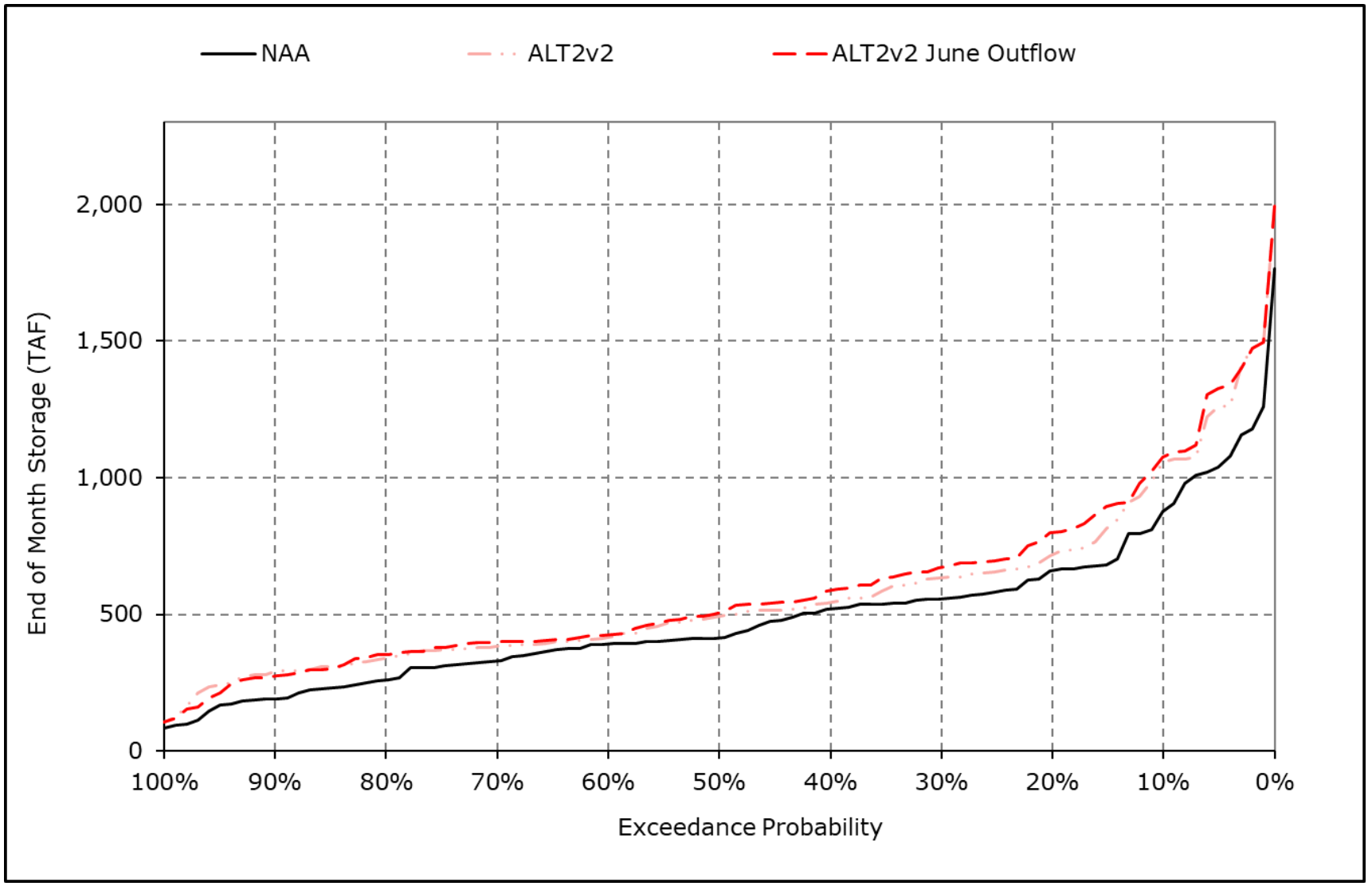
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-9-10. San Luis Storage (Central Valley Project and State Water Project), 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 (Central Valley Project and State Water Project), 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 (Central Valley Project and State Water Project), 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), ALT2v2, 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.2.1-10-1c. San Luis Reservoir (State Water Project and Central Valley Project), ALT2v2 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.2.1-10-2a. 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), ALT2v2 June Outflow, End-of-Month Elevation (Feet)

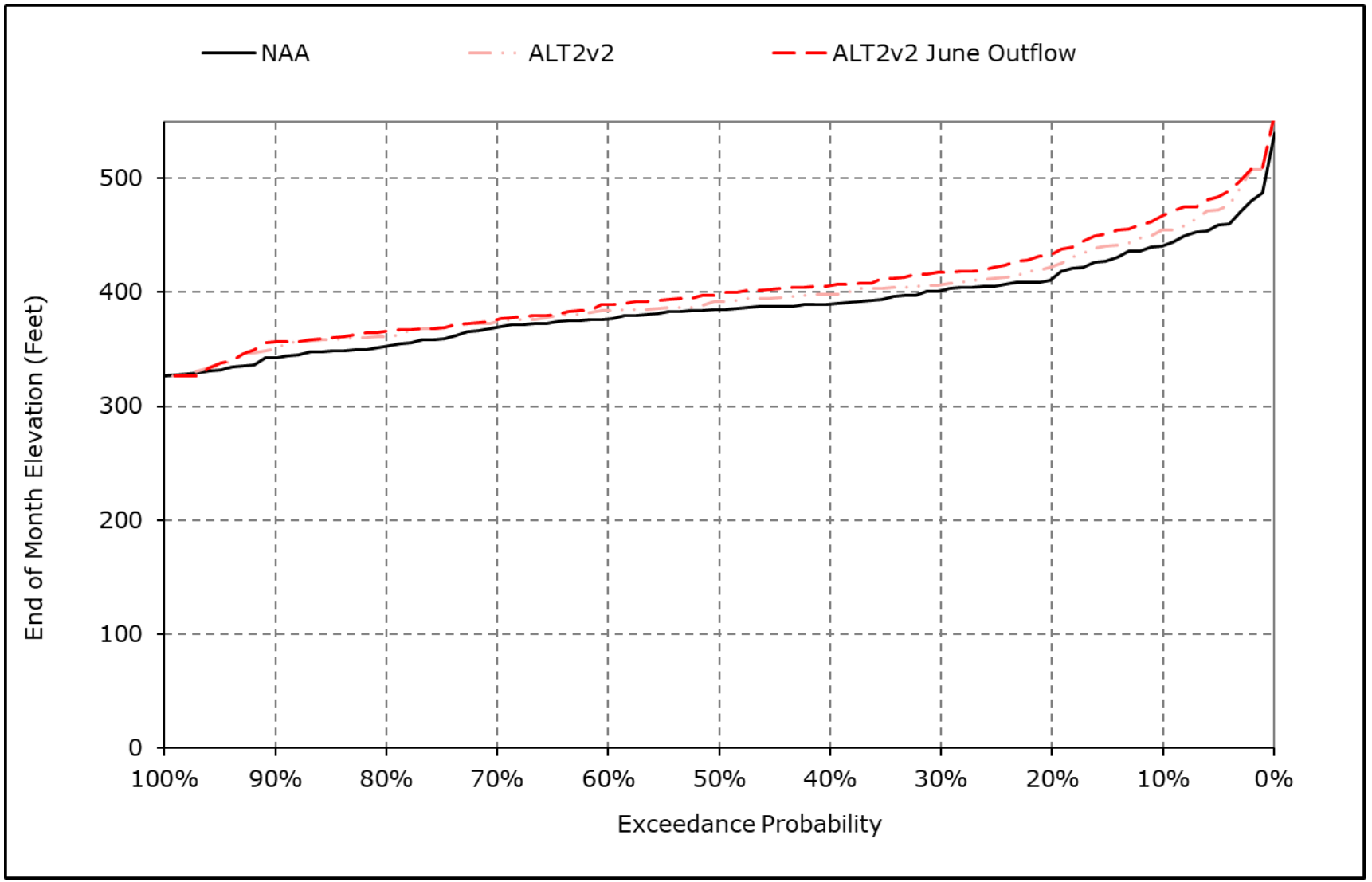
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	468	488	509	525	544	556	554	547	517	478	457	460
20% Exceedance	434	469	493	507	520	543	544	530	494	463	440	432
30% Exceedance	417	447	469	492	506	520	512	509	472	445	424	418
40% Exceedance	406	433	454	470	498	501	500	485	450	429	411	407
50% Exceedance	398	419	438	463	483	489	480	463	434	415	405	398
60% Exceedance	389	406	429	452	469	477	469	454	420	408	393	386
70% Exceedance	376	392	413	441	459	464	459	441	412	400	386	383
80% Exceedance	366	376	402	429	444	455	443	430	402	392	379	377
90% Exceedance	356	360	388	413	433	444	436	415	382	376	369	364
Full Simulation Period Average[a]	403	422	444	465	483	493	487	475	443	424	409	404
Wet Water Years (28%)	449	473	487	496	519	534	534	528	495	468	451	445
Above Normal Water Years (14%)	402	429	449	472	494	501	493	475	432	412	412	402
Below Normal Water Years (18%)	387	410	432	474	485	489	478	461	422	407	400	397
Dry Water Years (24%)	382	402	421	443	459	469	460	446	419	410	387	386
Critical Water Years (16%)	369	365	409	426	445	453	449	442	421	400	376	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.2.1-10-2c. San Luis Reservoir (State Water Project and Central Valley Project), ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

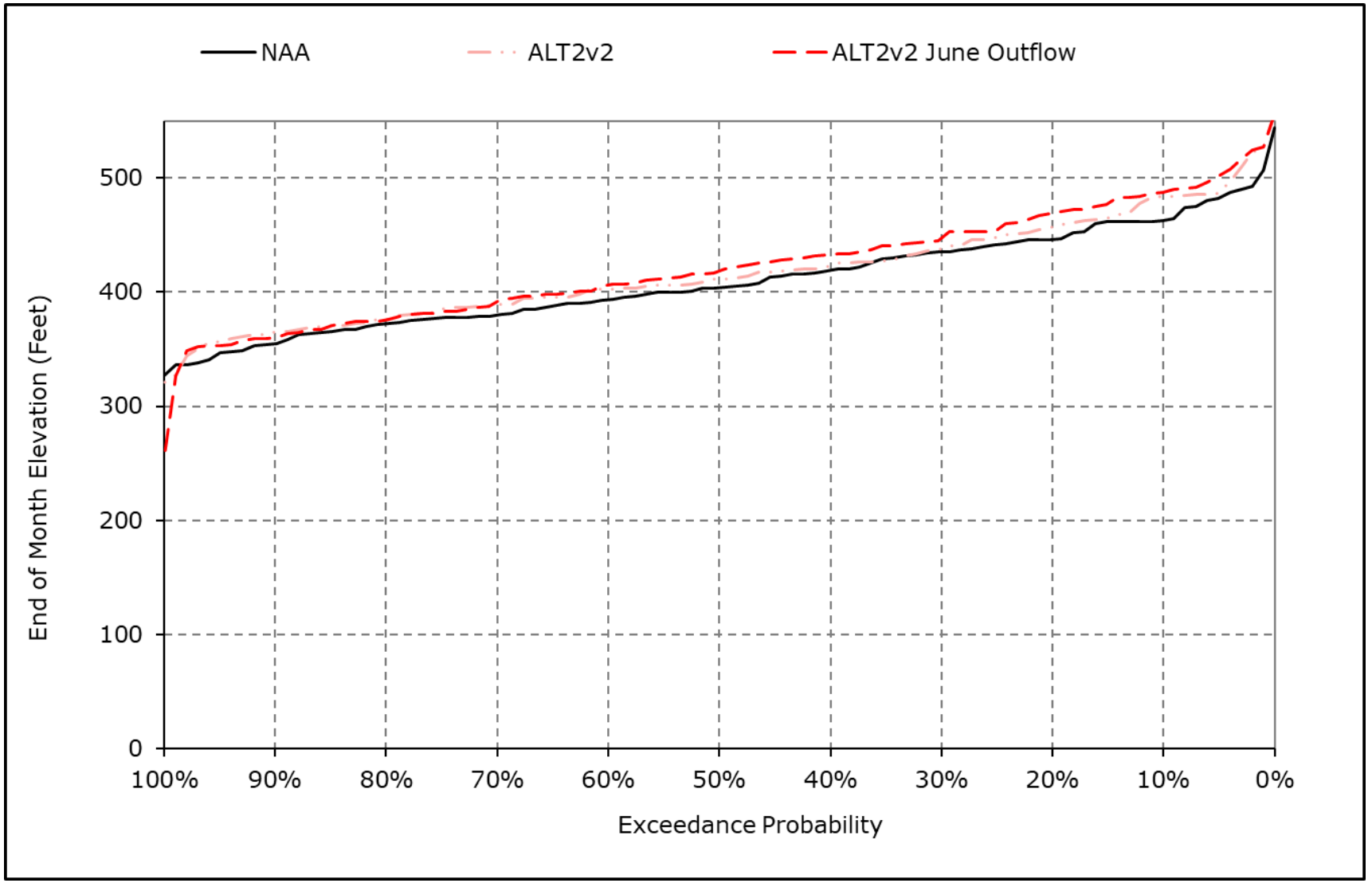
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	27	25	8	9	2	12	10	13	18	10	15	20
20% Exceedance	22	23	18	13	5	3	15	18	16	13	17	16
30% Exceedance	16	12	8	10	6	-1	-4	10	12	12	9	14
40% Exceedance	16	14	10	8	9	-4	0	6	5	7	2	8
50% Exceedance	13	14	3	6	7	0	2	5	3	4	6	13
60% Exceedance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



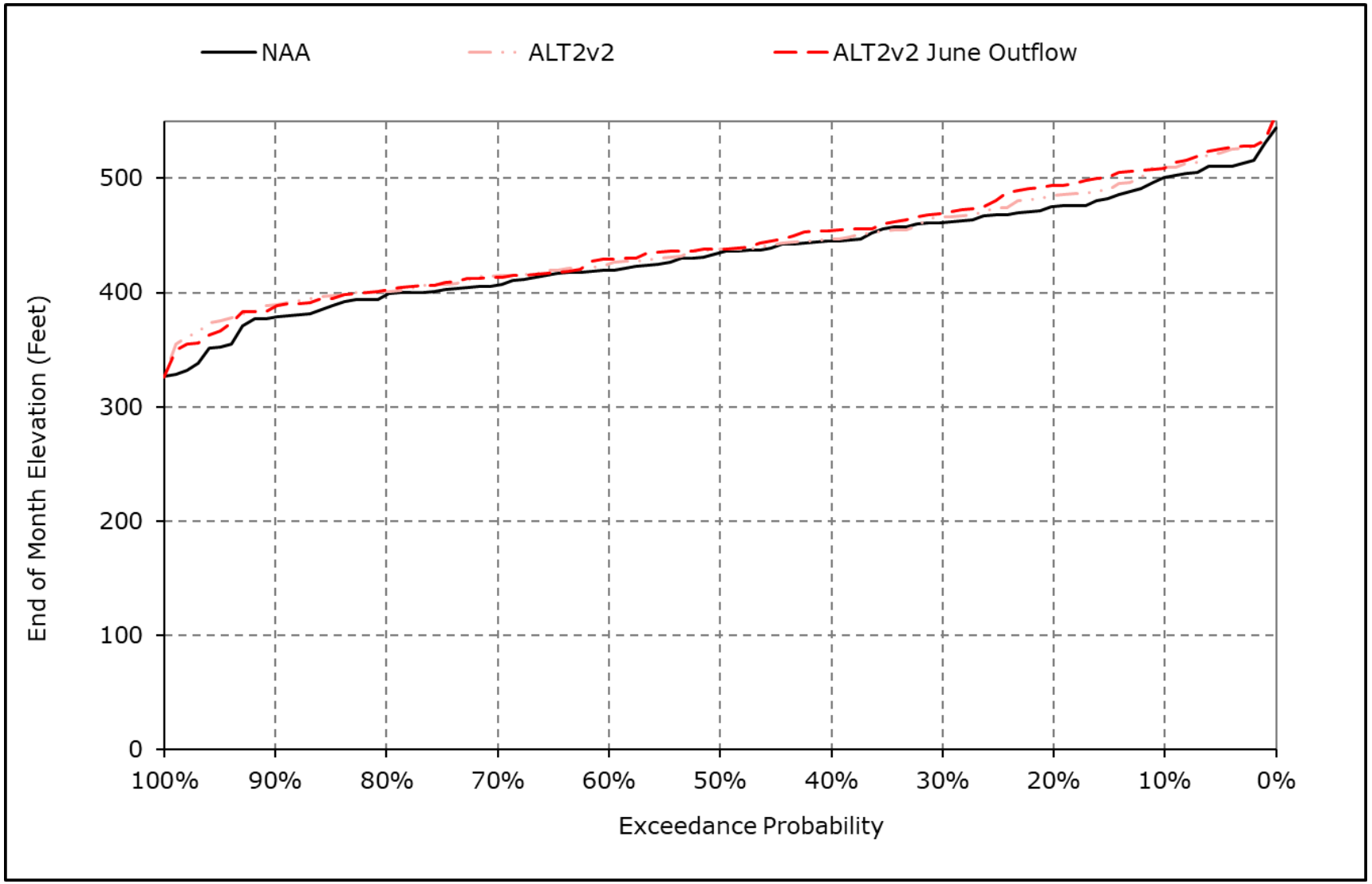
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-1. San Luis Reservoir (State Water Project and Central Valley Project), October



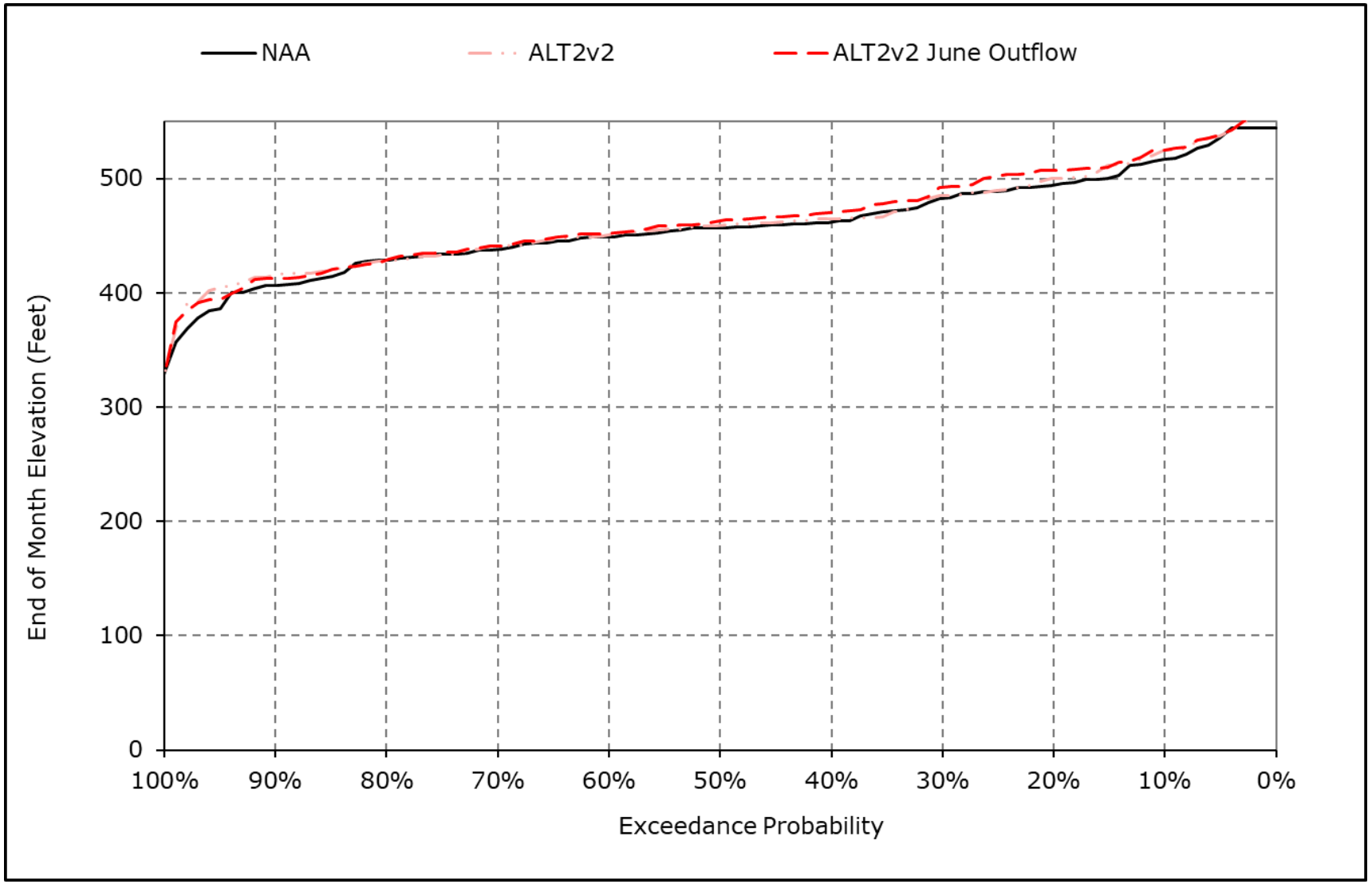
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-2. San Luis Reservoir (State Water Project and Central Valley Project), November



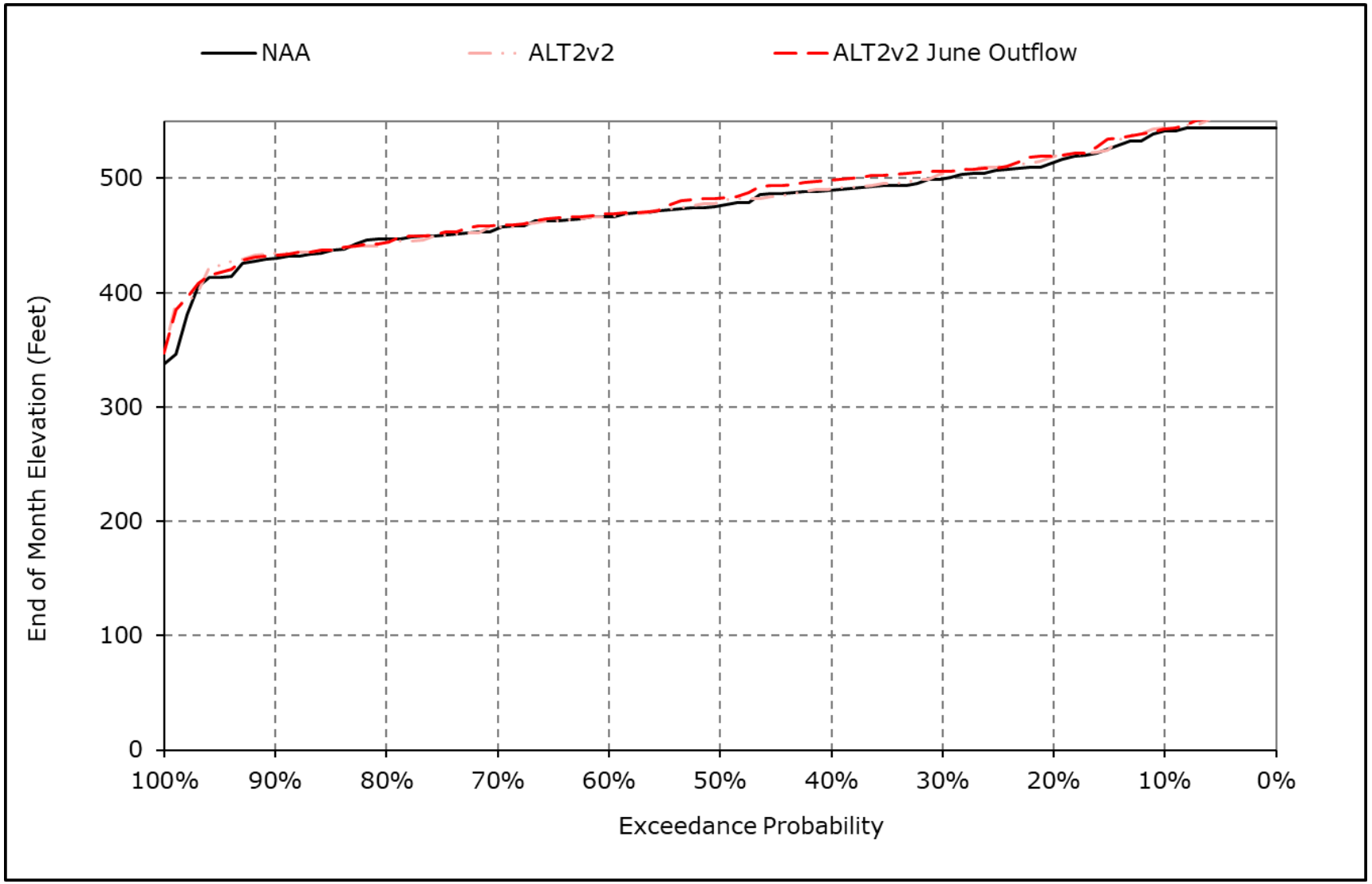
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-3. San Luis Reservoir (State Water Project and Central Valley Project), December



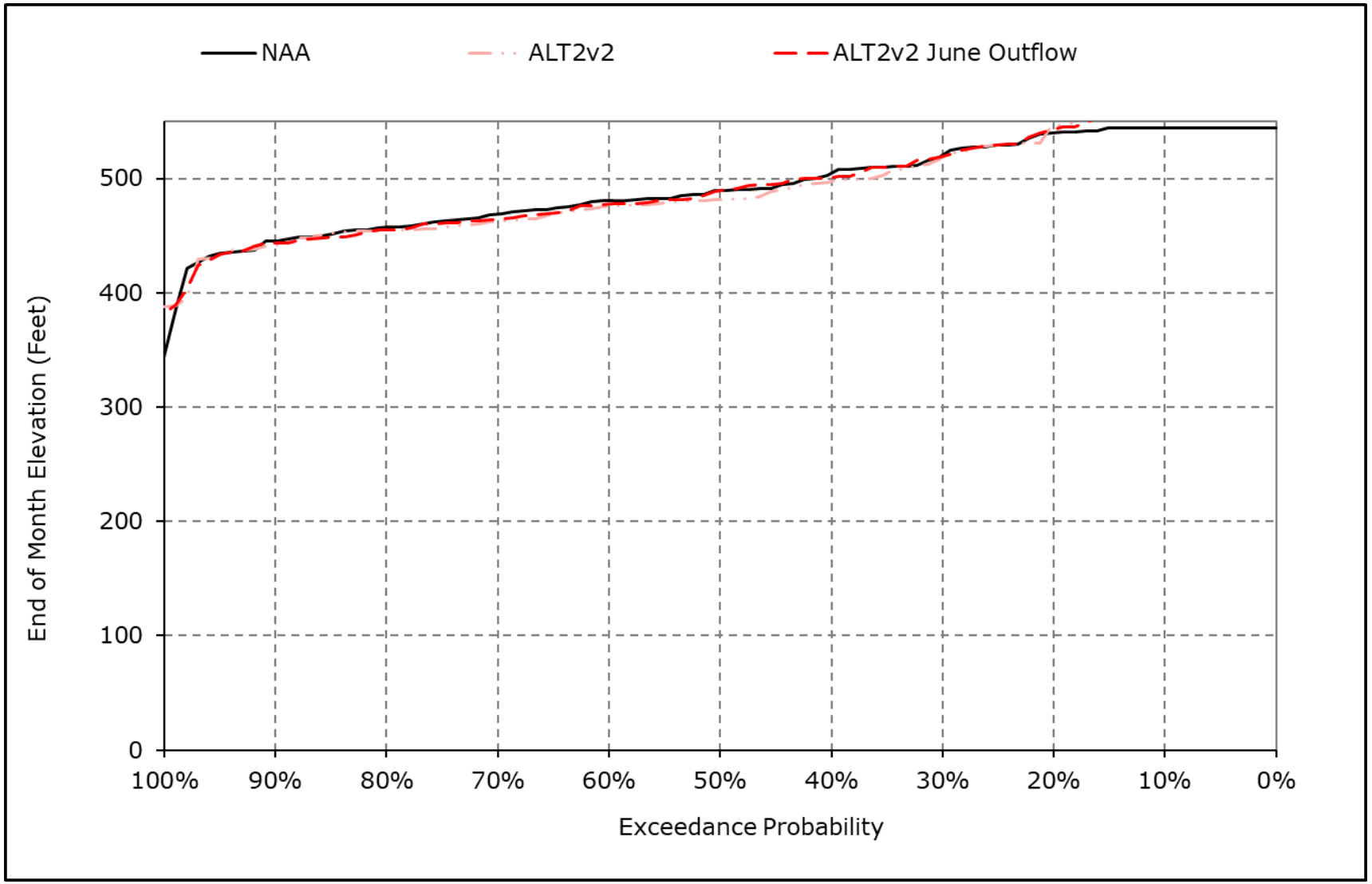
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-4. San Luis Reservoir (State Water Project and Central Valley Project), January



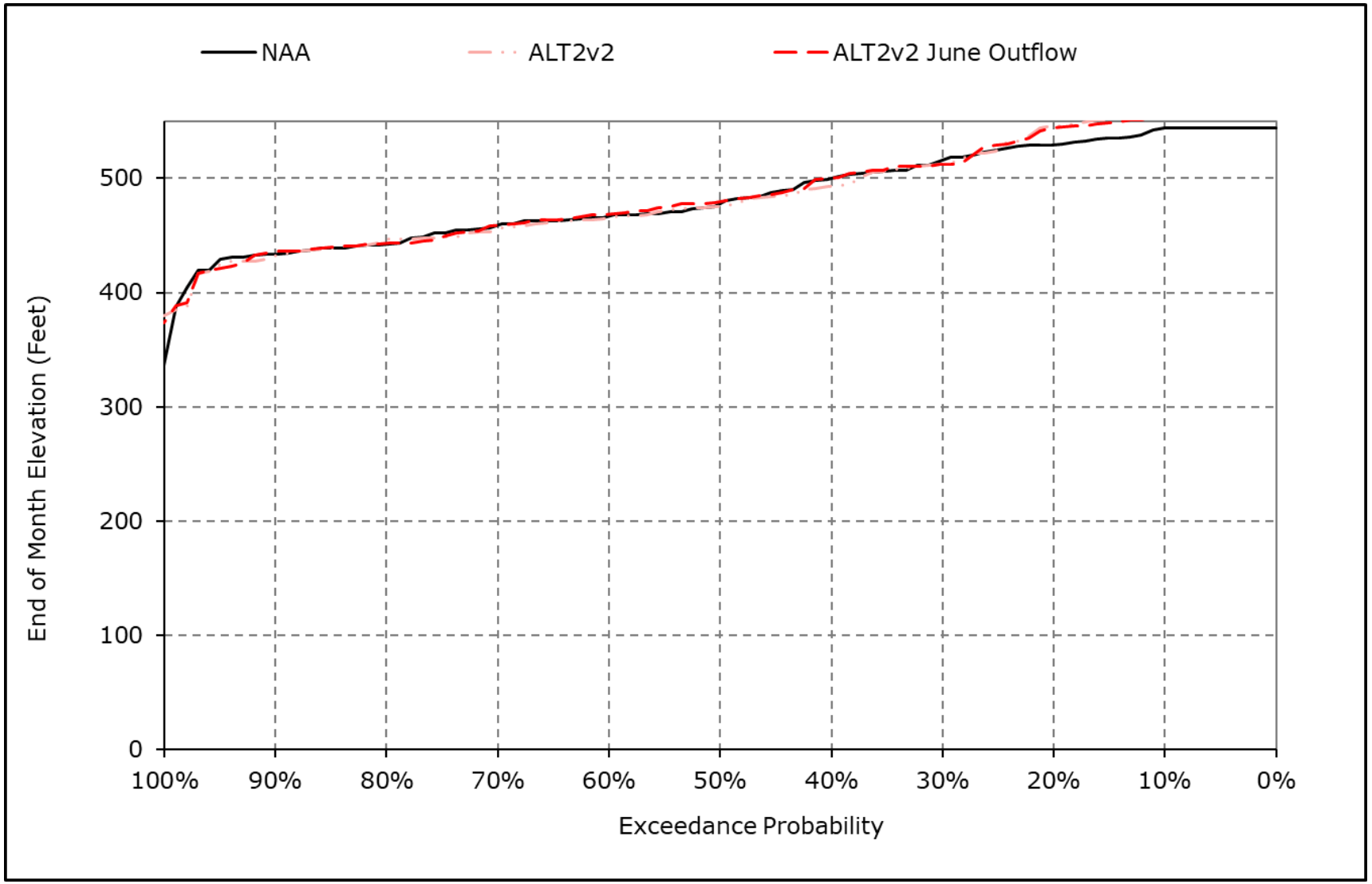
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-5. San Luis Reservoir (State Water Project and Central Valley Project), February



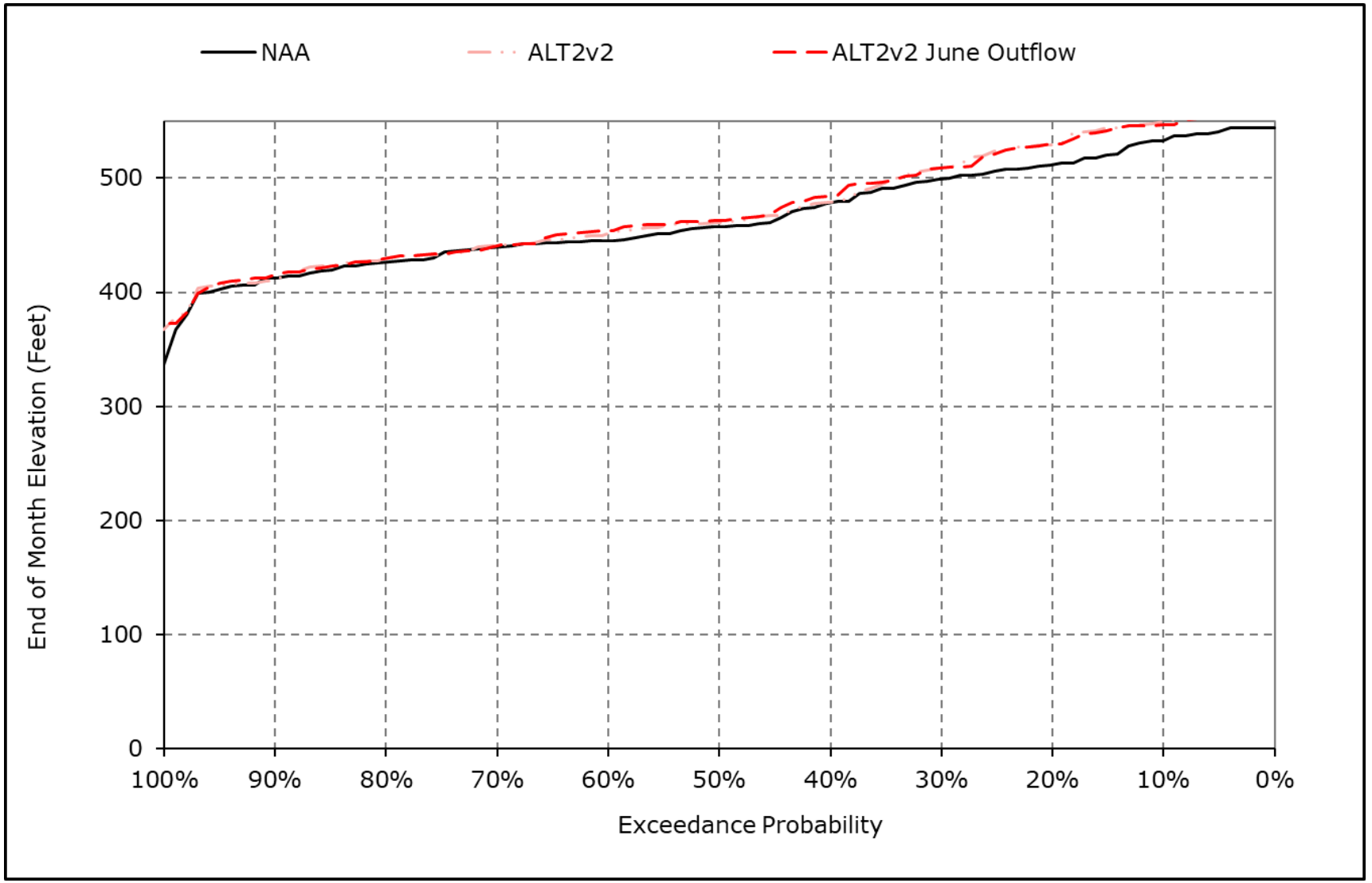
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-6. San Luis Reservoir (State Water Project and Central Valley Project), March



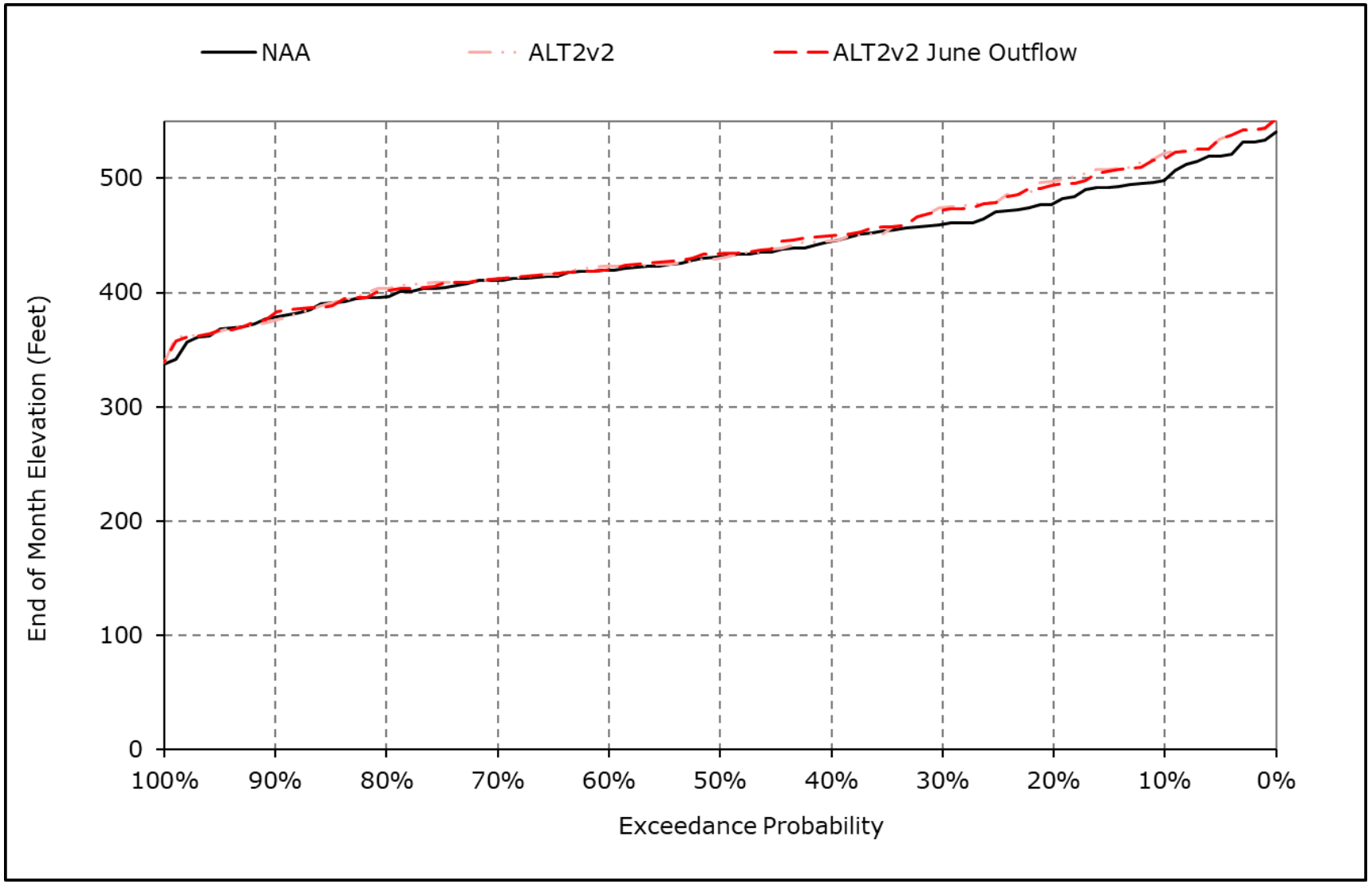
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-7. San Luis Reservoir (State Water Project and Central Valley Project), April



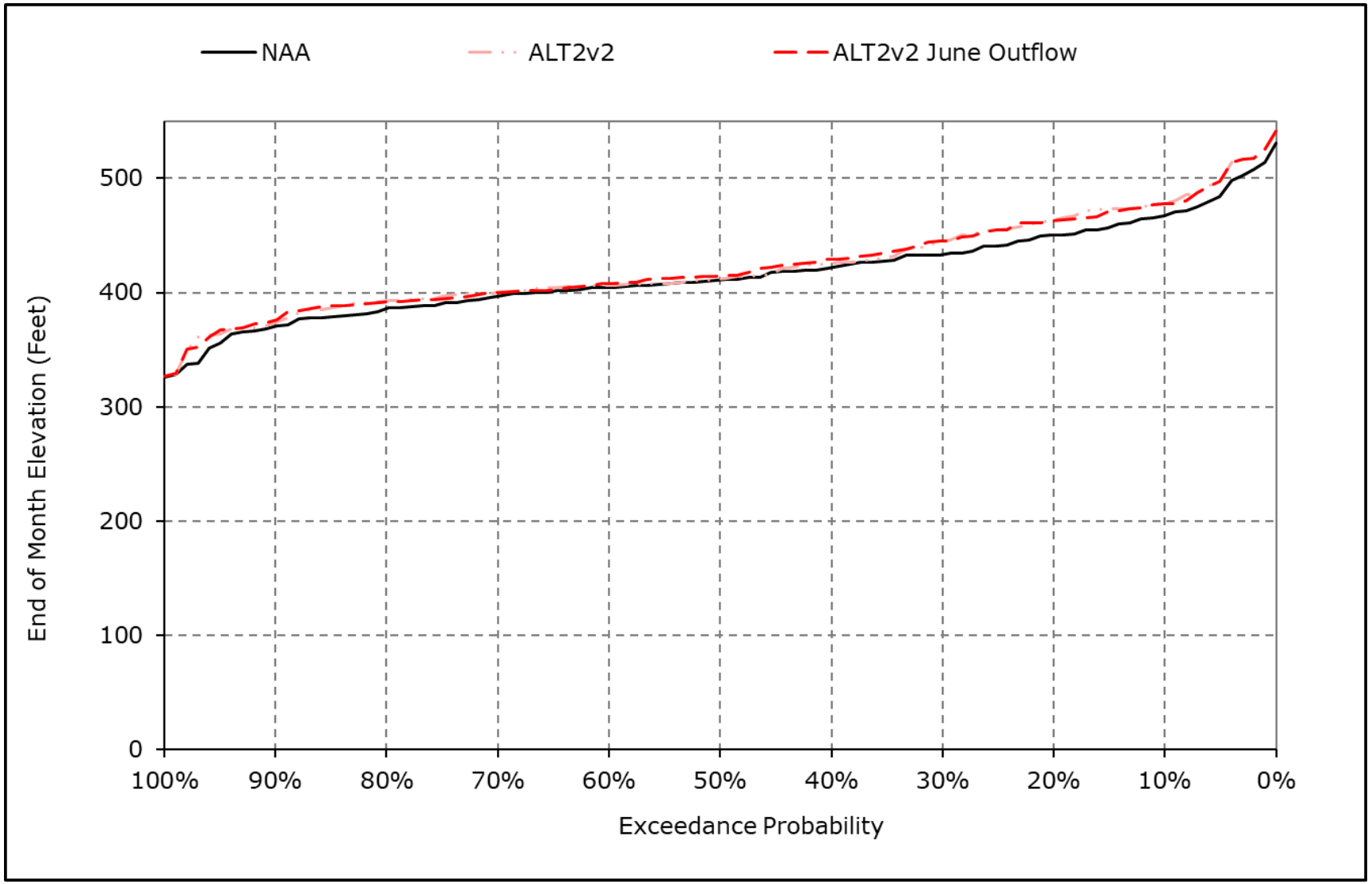
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-8. San Luis Reservoir (State Water Project and Central Valley Project), May



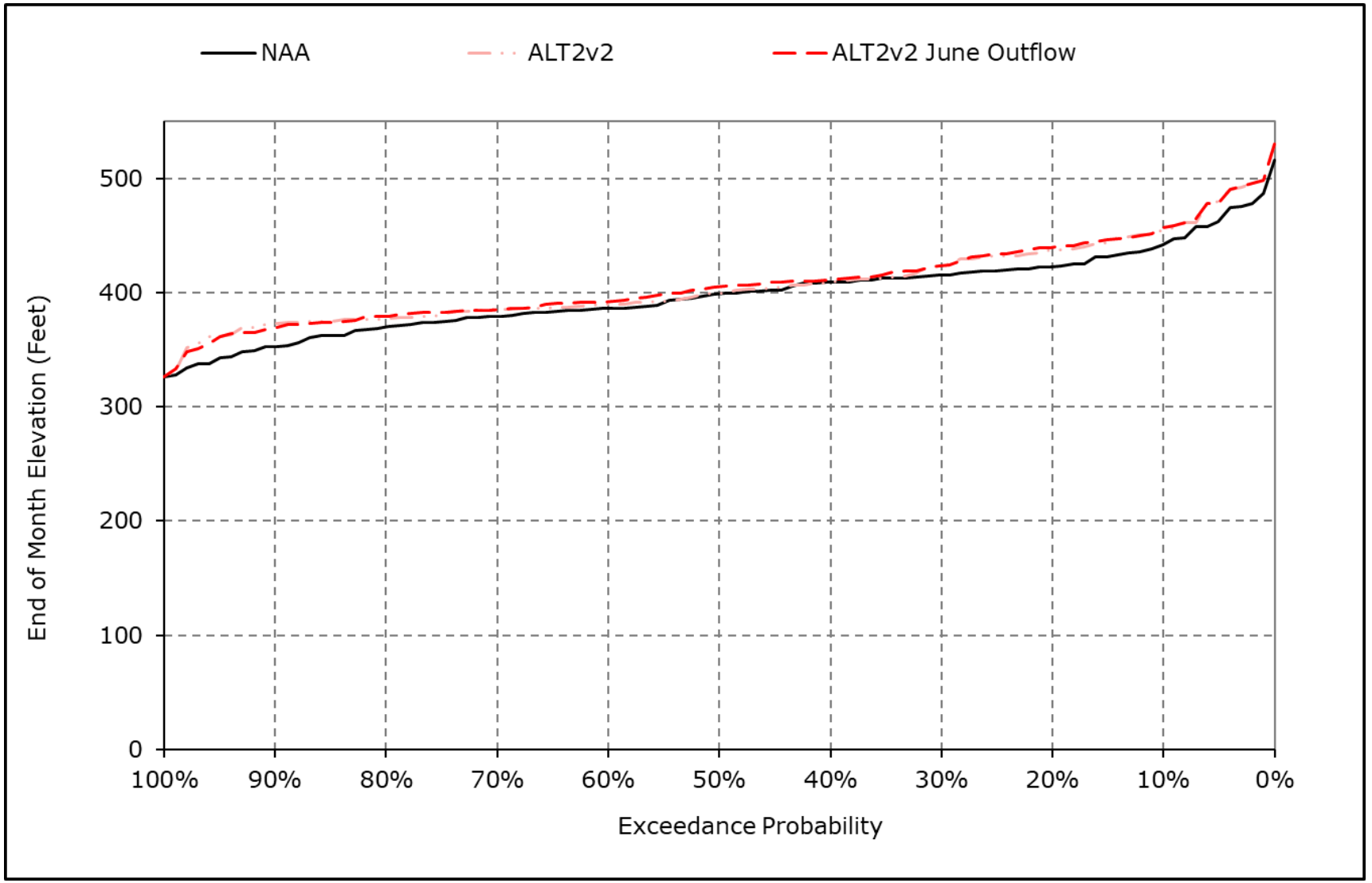
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-9. San Luis Reservoir (State Water Project and Central Valley Project), June



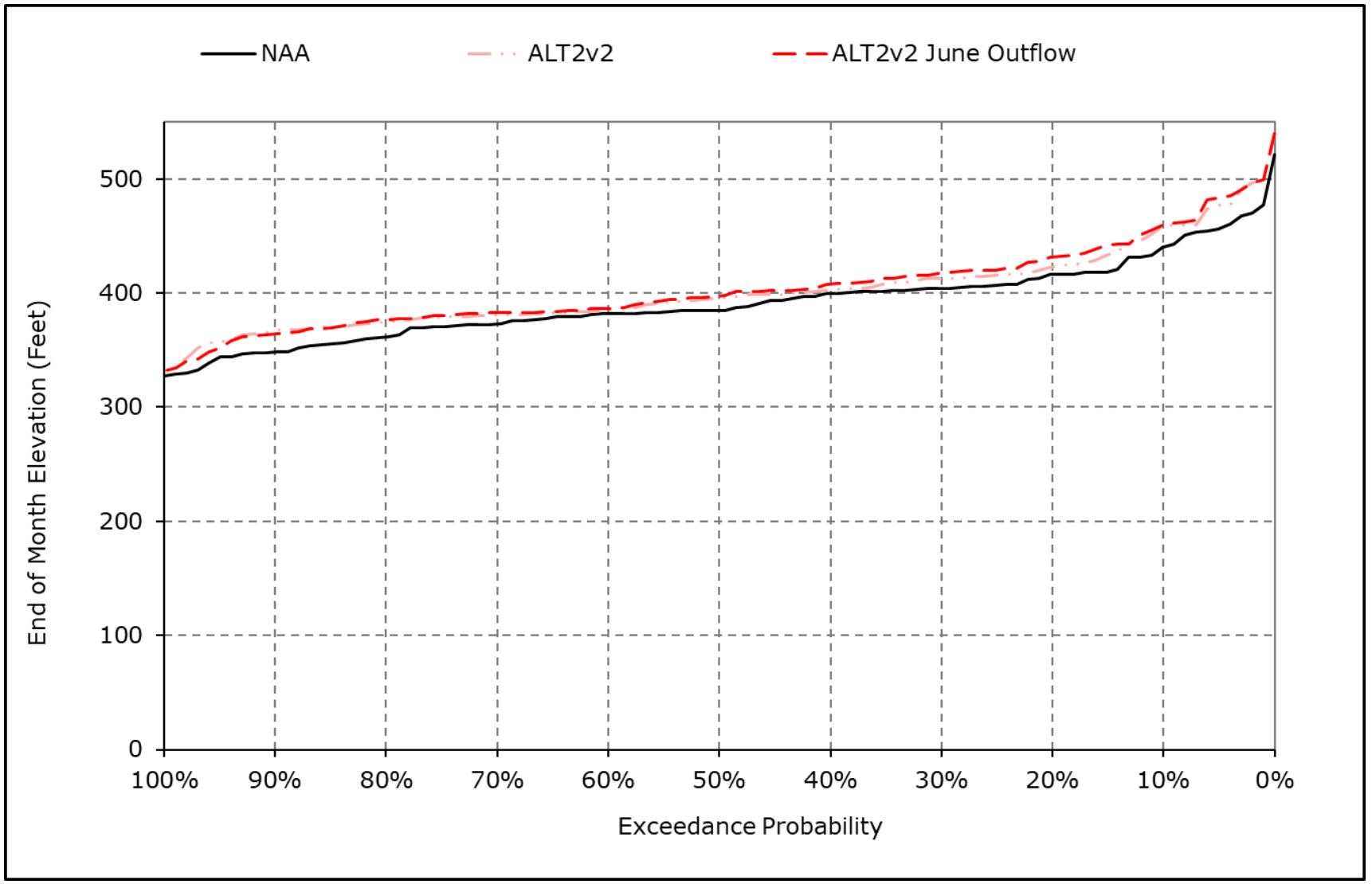
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-10-10. San Luis Reservoir (State Water Project and Central Valley Project), 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 (State Water Project and Central Valley Project), 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 (State Water Project and Central Valley Project), 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, ALT2v2, 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.2.1-11-1c. San Luis Central Valley Project Storage, ALT2v2 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.2.1-11-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

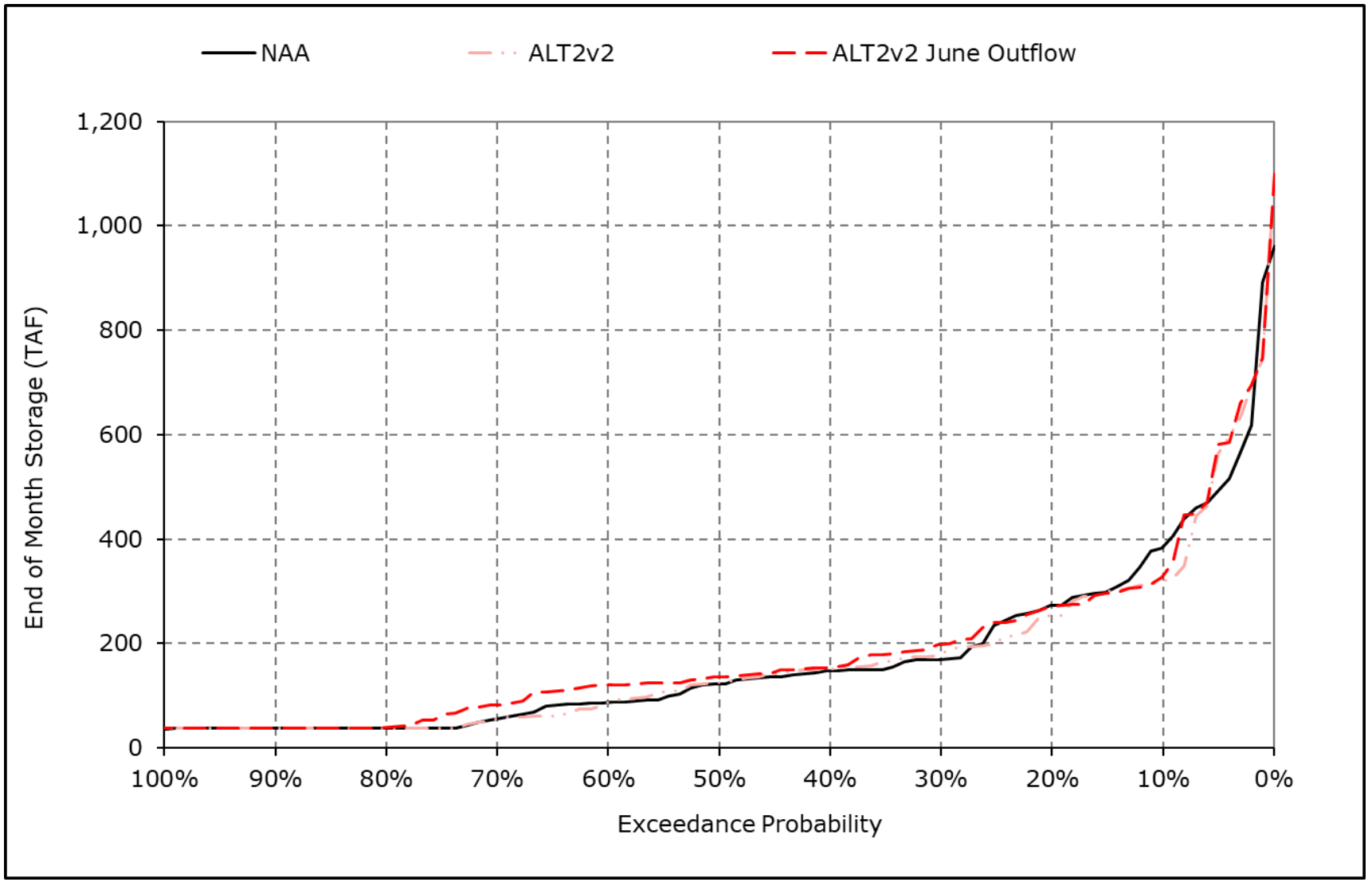
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	330	510	701	876	1,018	1,102	1,101	1,078	866	480	269	280
20% Exceedance	272	409	584	748	870	1,030	1,050	954	699	373	162	193
30% Exceedance	198	345	483	626	801	895	963	881	616	323	93	170
40% Exceedance	155	297	444	579	717	804	781	733	476	240	90	153
50% Exceedance	136	255	389	542	625	688	673	617	406	214	90	134
60% Exceedance	121	220	348	479	553	617	572	515	355	190	90	120
70% Exceedance	82	190	317	425	522	558	522	454	291	166	89	96
80% Exceedance	39	142	231	355	459	511	475	408	237	130	50	45
90% Exceedance	38	115	168	274	377	419	374	323	198	73	38	38
Full Simulation Period Average[a]	183	299	425	553	657	733	722	659	477	261	133	165
Wet Water Years (28%)	315	475	607	741	872	988	992	936	744	430	247	257
Above Normal Water Years (14%)	108	269	415	567	710	774	772	678	427	174	77	76
Below Normal Water Years (18%)	141	261	402	620	699	746	731	649	431	211	89	148
Dry Water Years (24%)	142	237	328	407	481	556	528	466	317	188	92	155
Critical Water Years (16%)	129	146	281	358	451	500	484	458	345	209	95	118

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

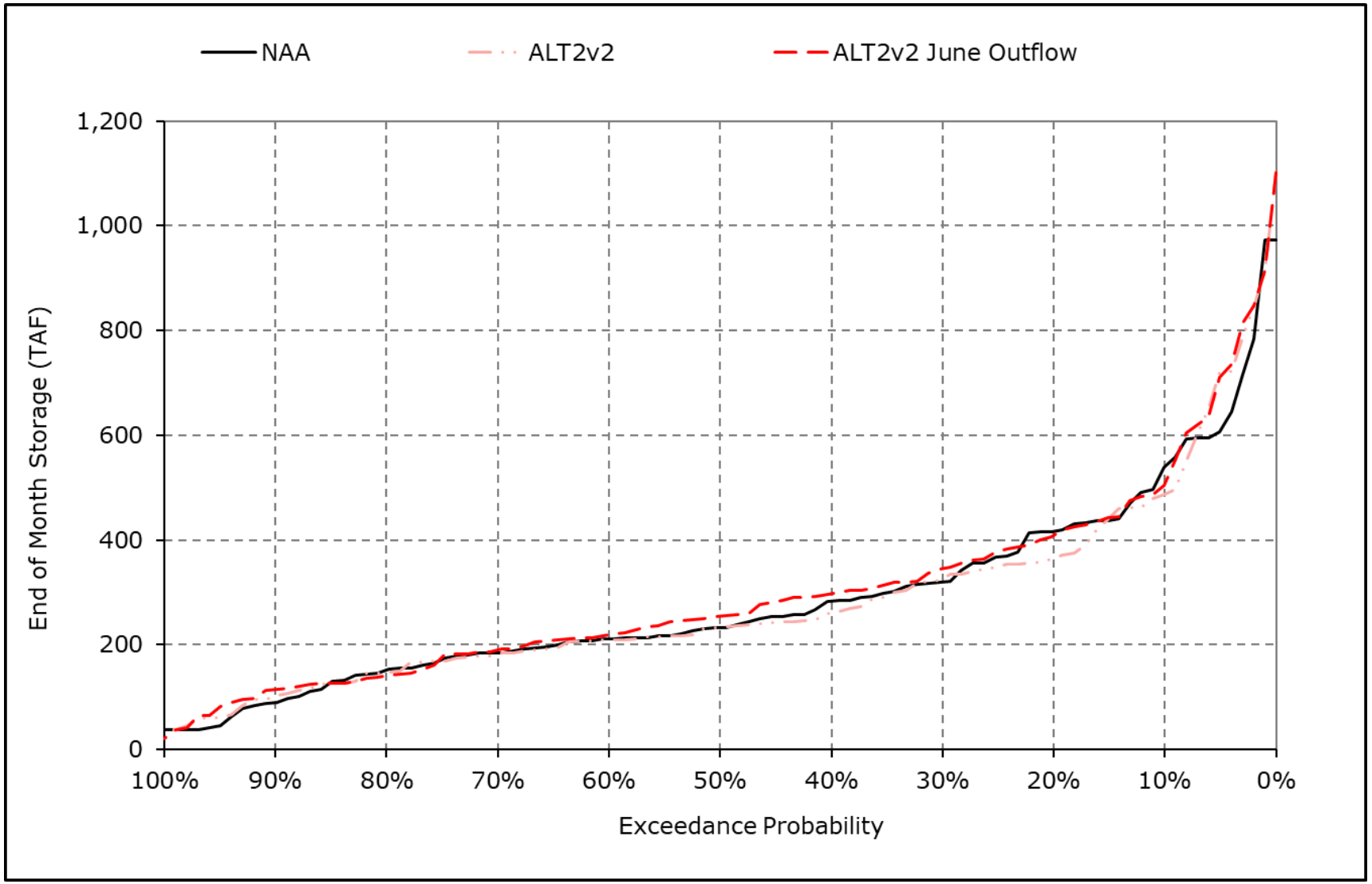
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-55	-32	16	17	46	130	129	106	5	30	-17	-28
20% Exceedance	-1	-8	20	-5	-18	58	78	44	-4	0	18	-15
30% Exceedance	28	26	-14	-26	-7	-64	42	64	46	20	3	0
40% Exceedance	6	14	-5	-15	18	-20	-56	4	-22	0	0	5
50% Exceedance	14	22	-14	-2	-25	-60	-44	1	-22	-6	0	3
60% Exceedance	34	9	-17	-5	-18	-41	-25	-11	-18	-1	0	30
70% Exceedance	26	5	9	-17	16	-29	-10	8	2	12	17	48
80% Exceedance	1	-10	-19	10	-4	-23	2	21	-6	10	7	1
90% Exceedance	0	25	53	33	38	-29	9	22	1	22	0	0
Full Simulation Period Average[a]	12	13	10	10	16	6	24	33	13	6	3	8
Wet Water Years (28%)	76	77	60	32	40	67	77	82	63	50	53	61
Above Normal Water Years (14%)	39	37	7	26	36	20	36	44	4	5	15	27
Below Normal Water Years (18%)	-18	-11	-13	13	15	-11	19	33	12	-3	-8	-5
Dry Water Years (24%)	-1	2	5	-1	-4	-31	-14	1	-10	-6	3	1
Critical Water Years (16%)	-79	-81	-46	-29	-14	-41	-19	-11	-28	-43	-79	-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.



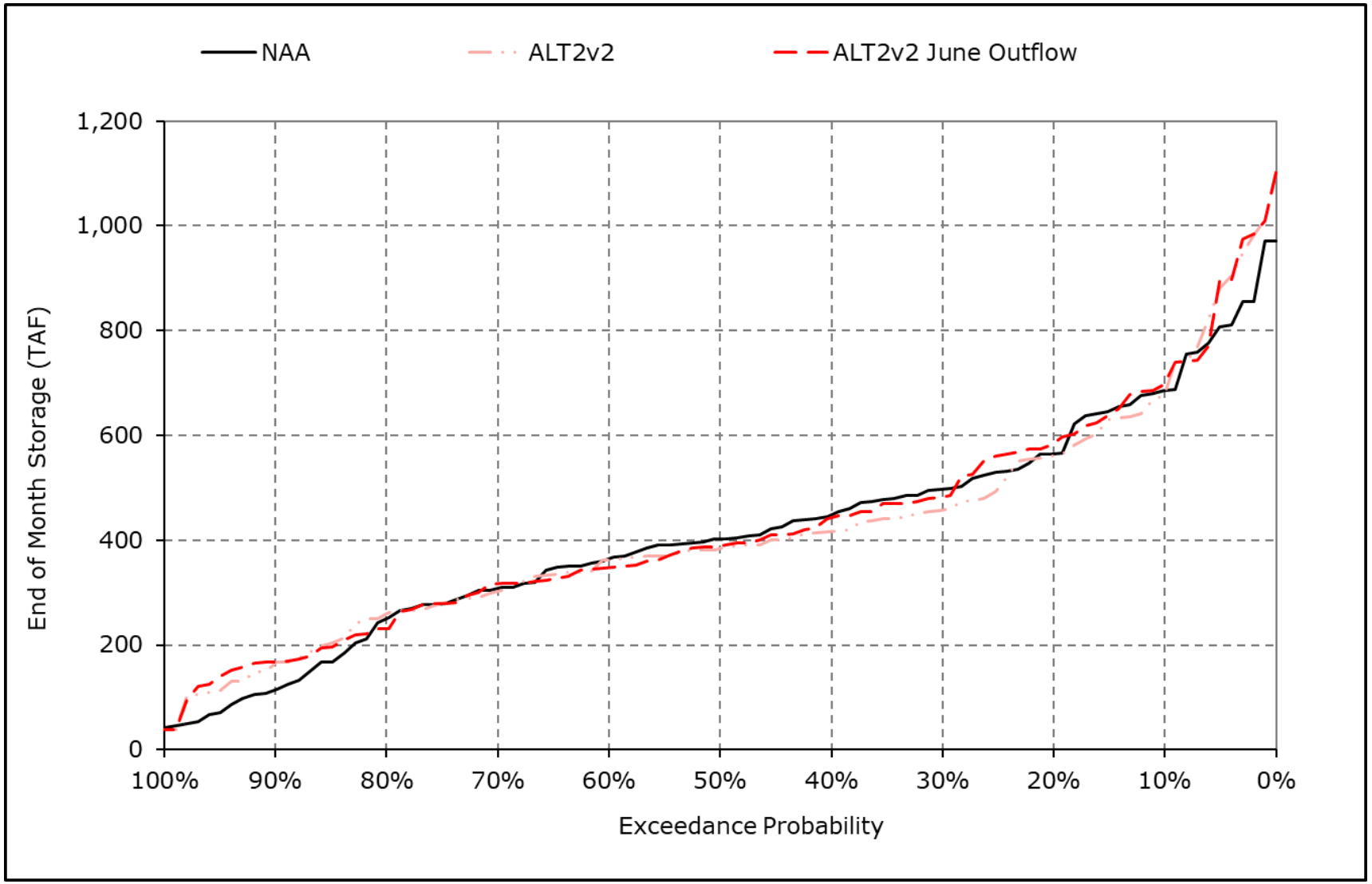
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-1. San Luis Central Valley Project Storage, October



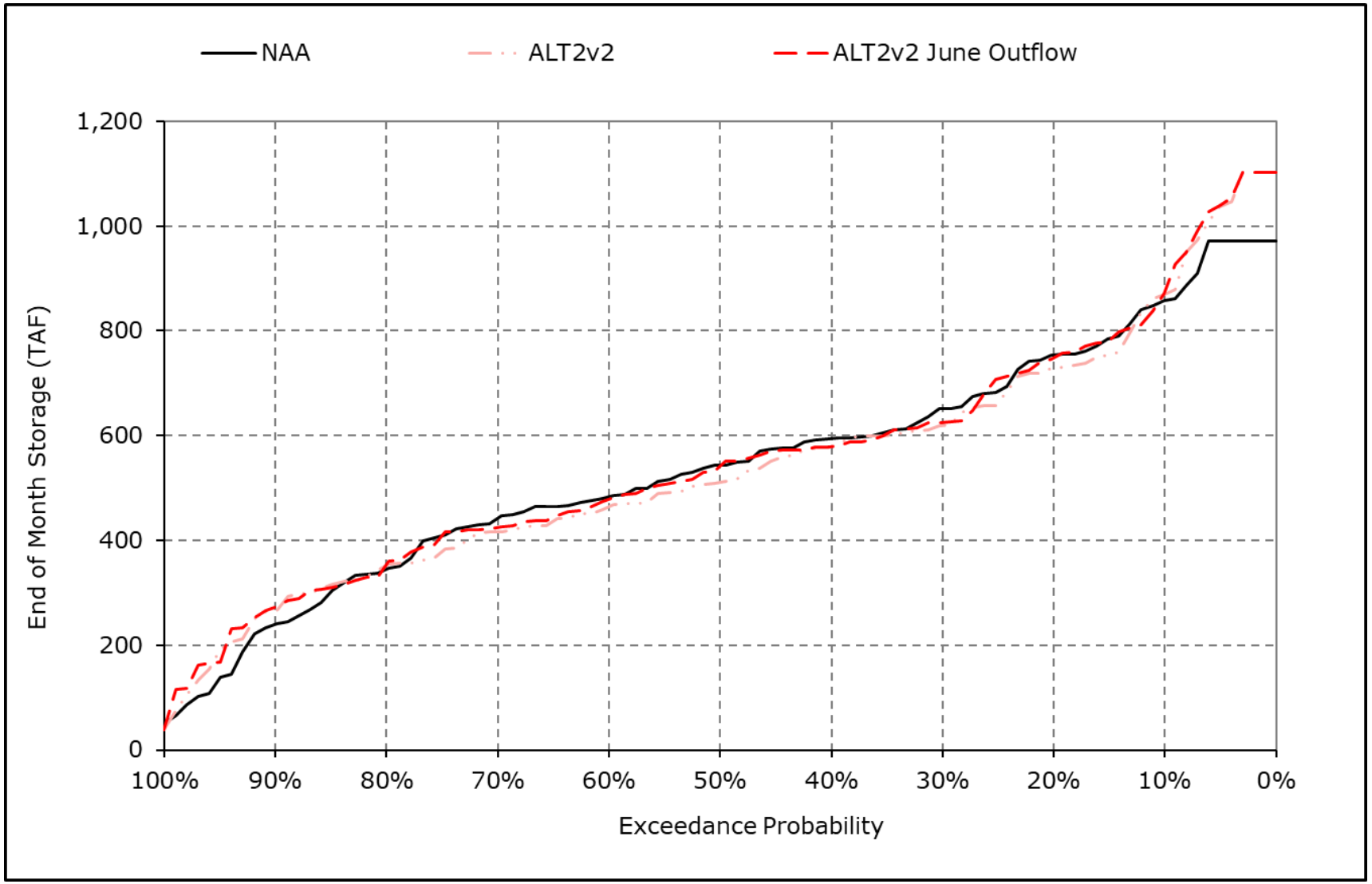
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-2. San Luis Central Valley Project Storage, November



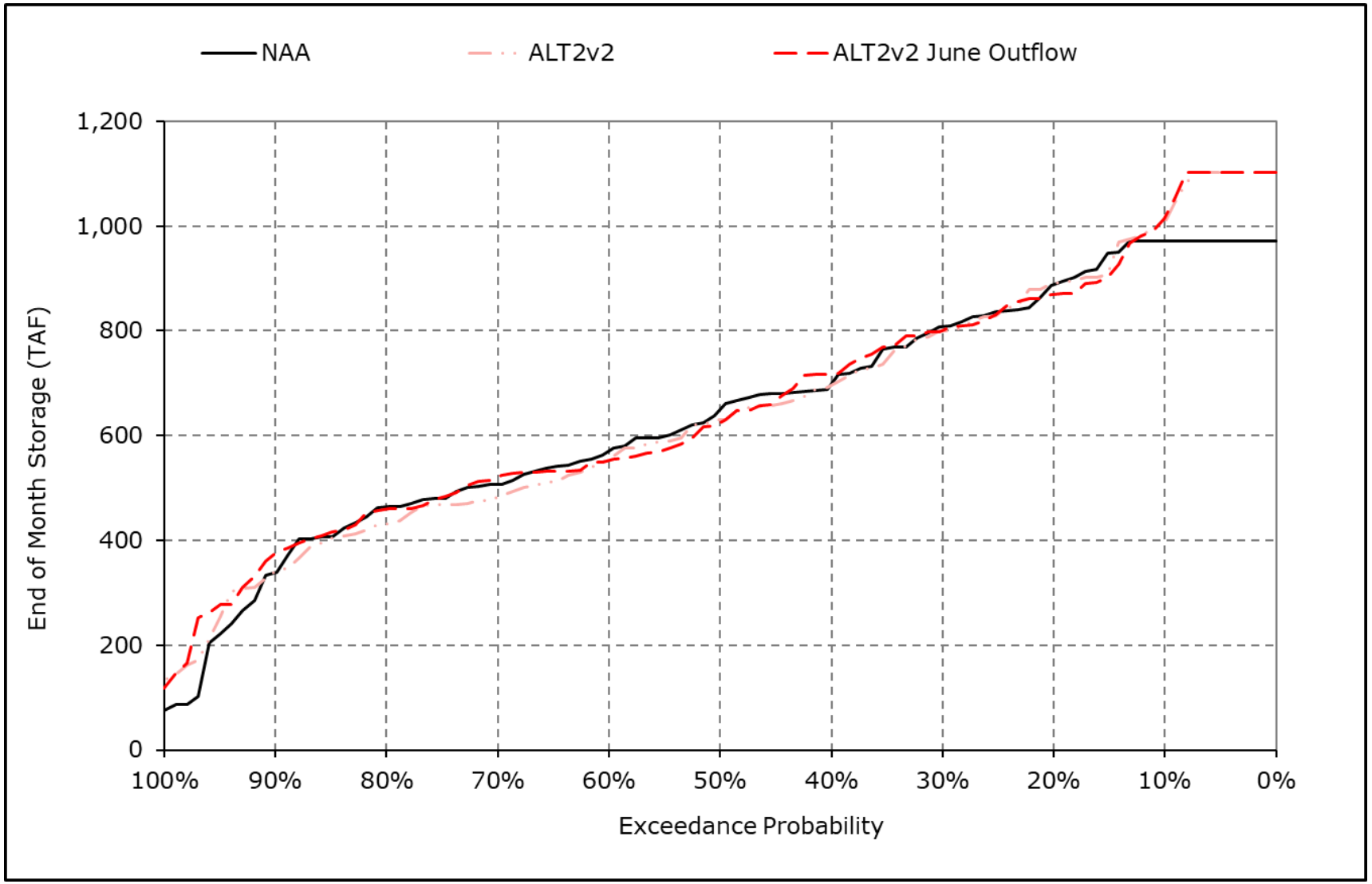
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-3. San Luis Central Valley Project Storage, December



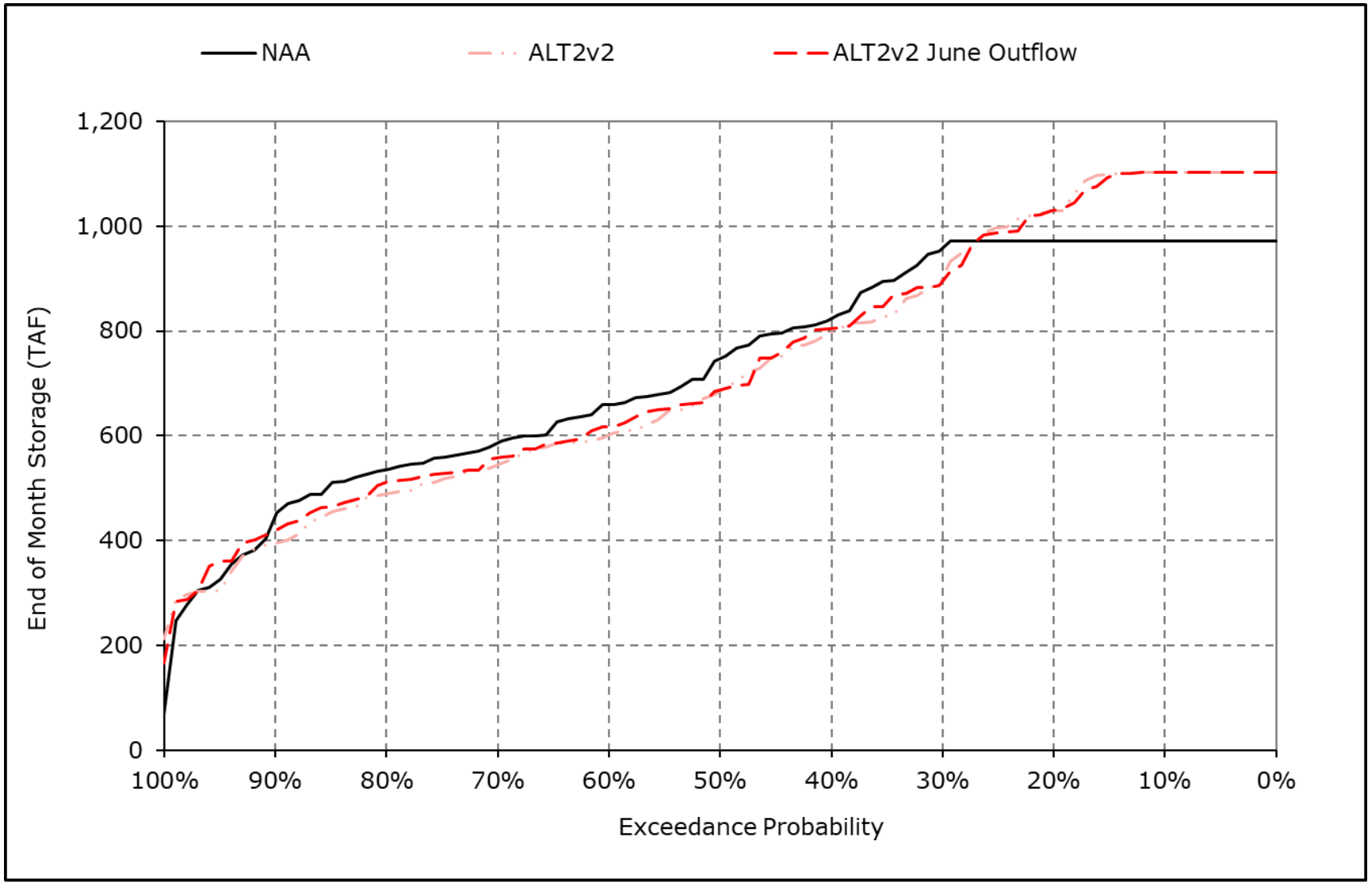
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-4. San Luis Central Valley Project Storage, January



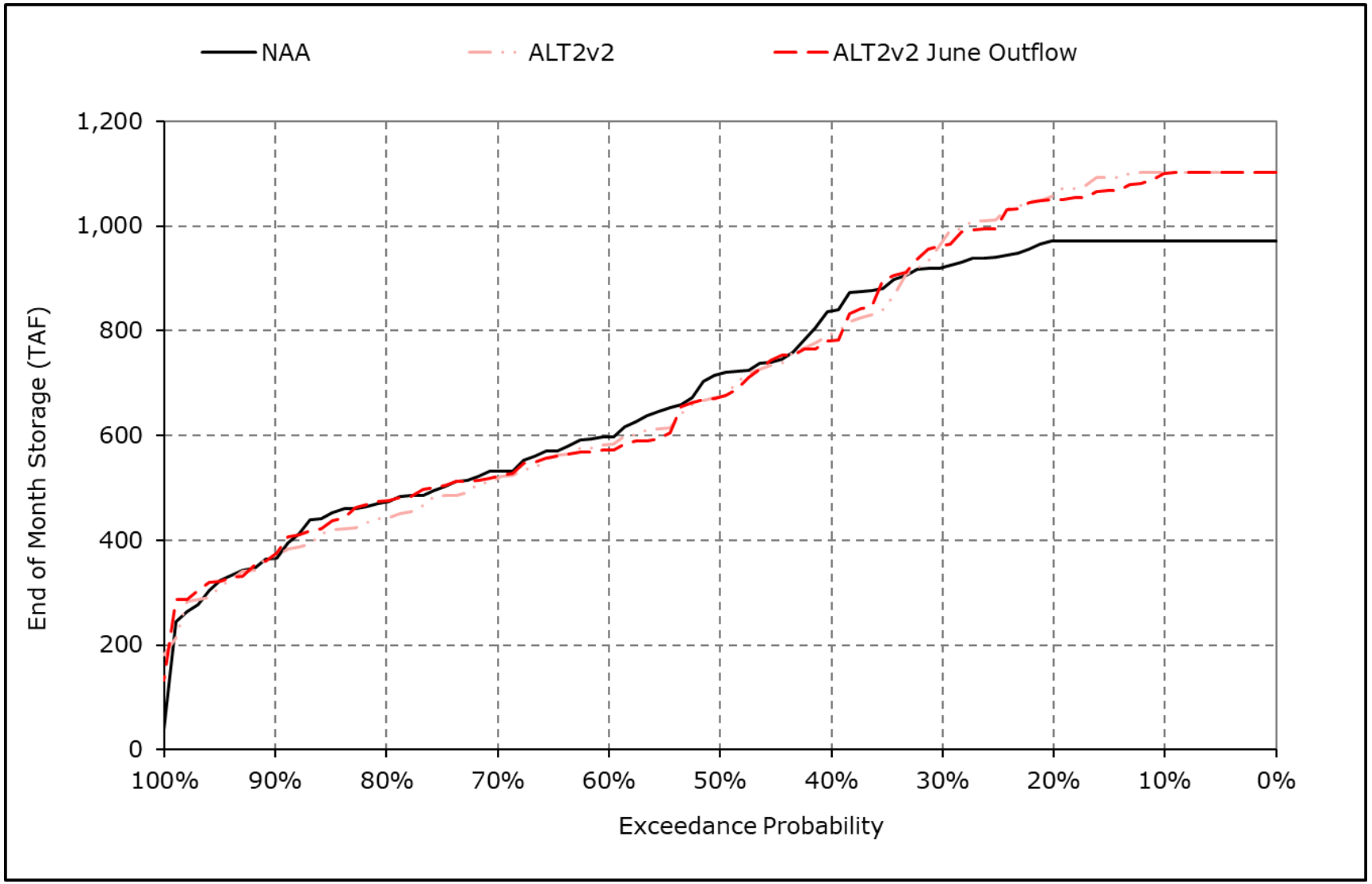
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-5. San Luis Central Valley Project Storage, February



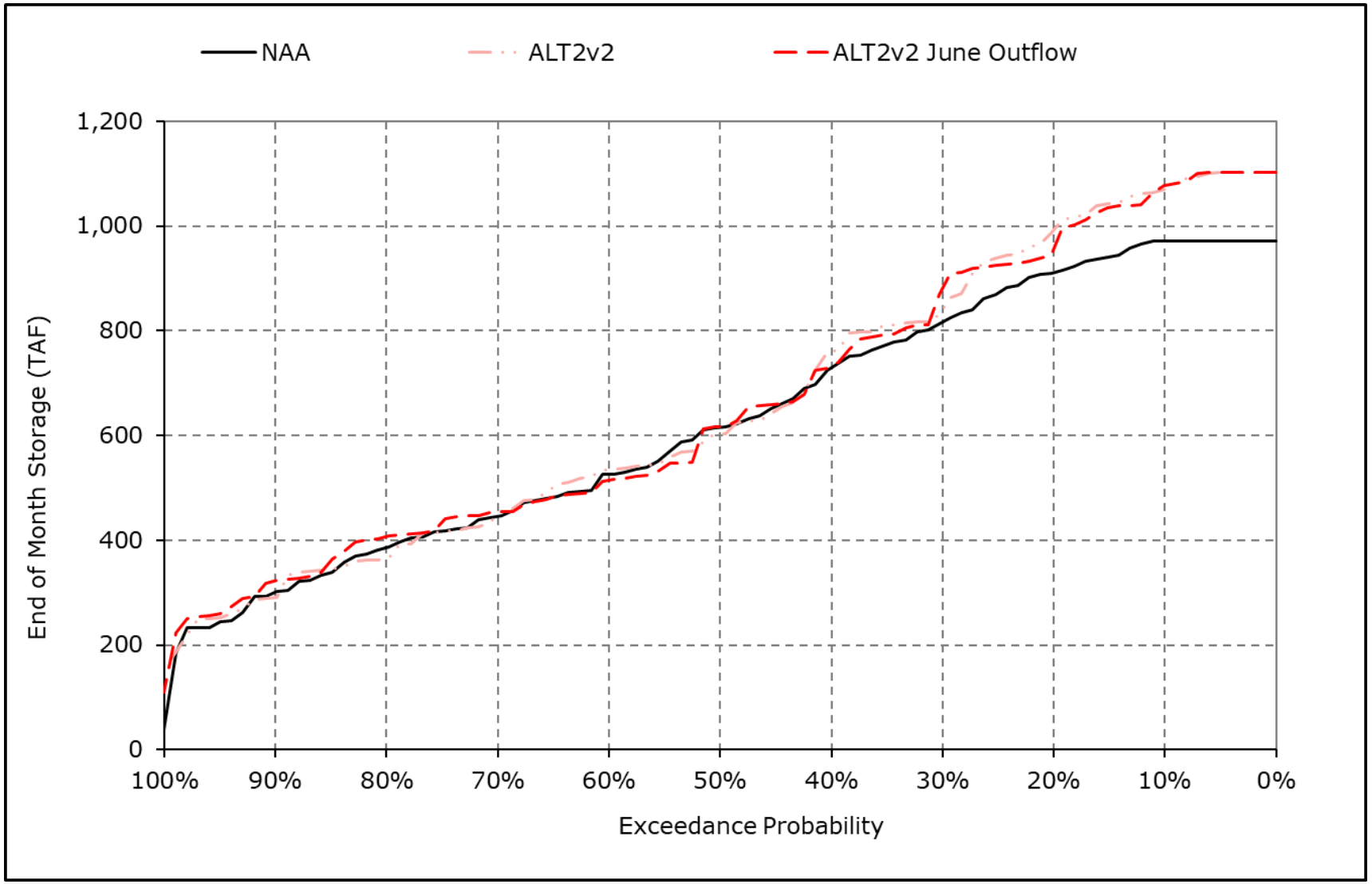
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-6. San Luis Central Valley Project Storage, March



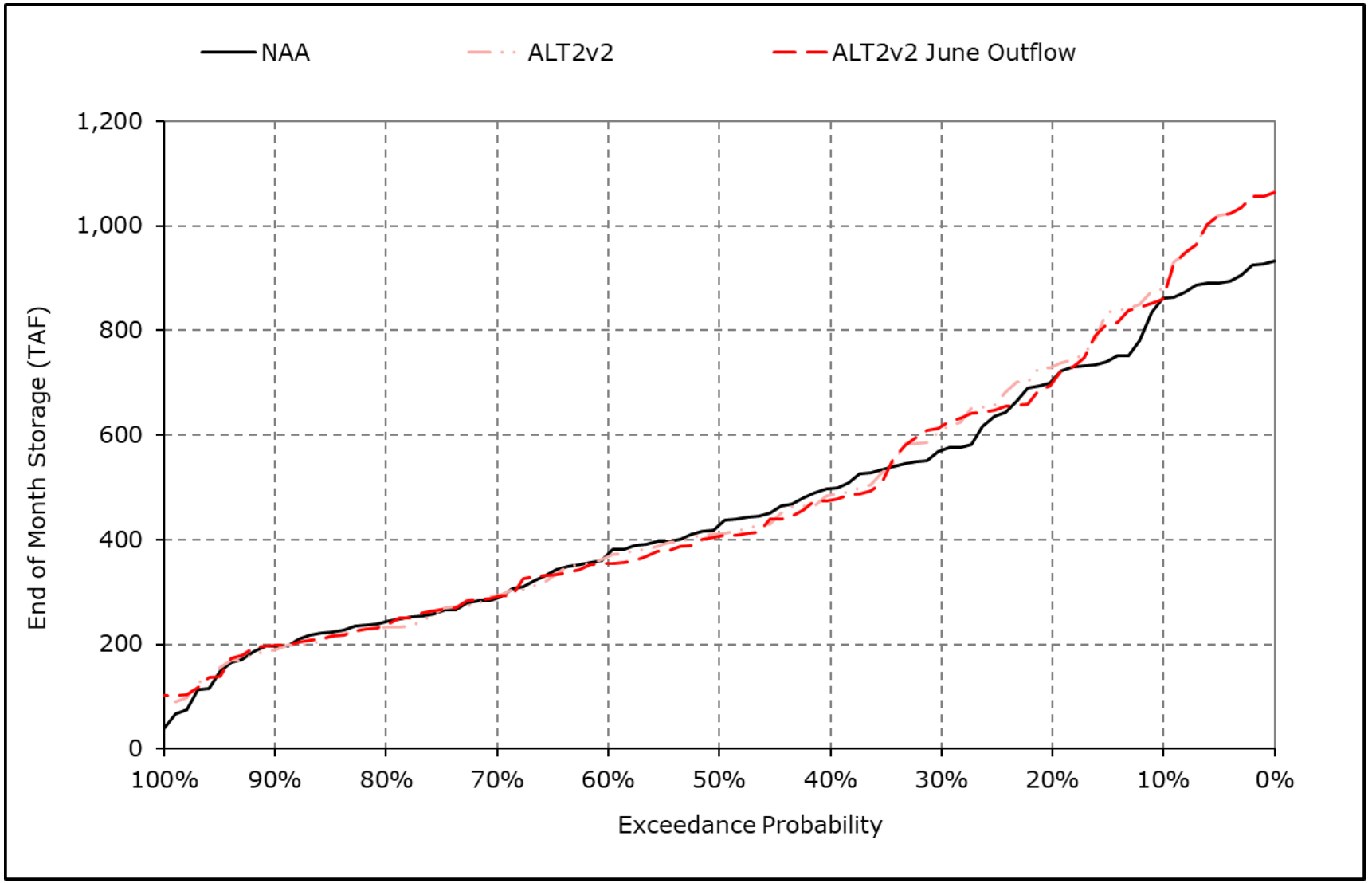
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-7. San Luis Central Valley Project Storage, April



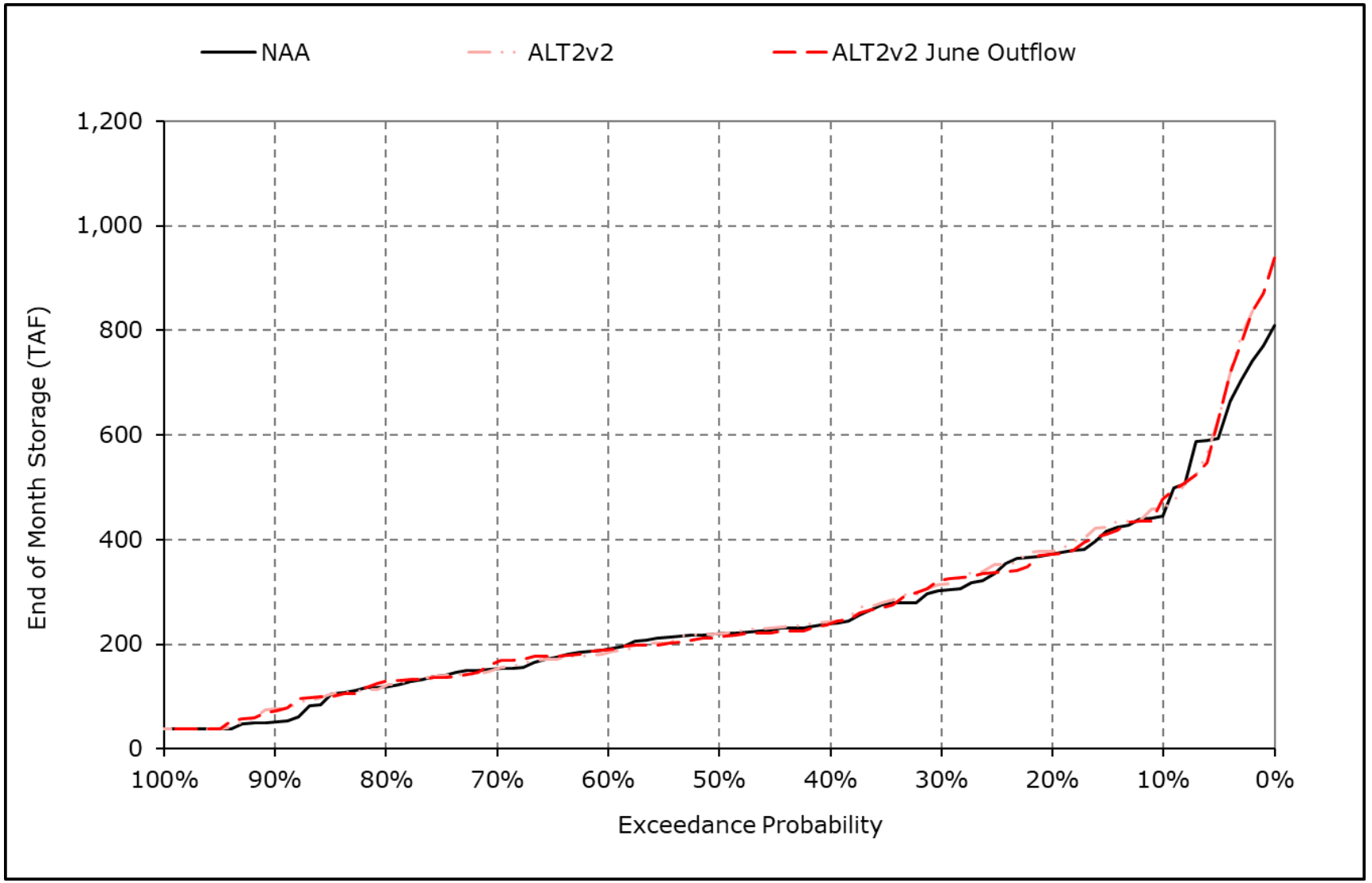
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-8. San Luis Central Valley Project Storage, May



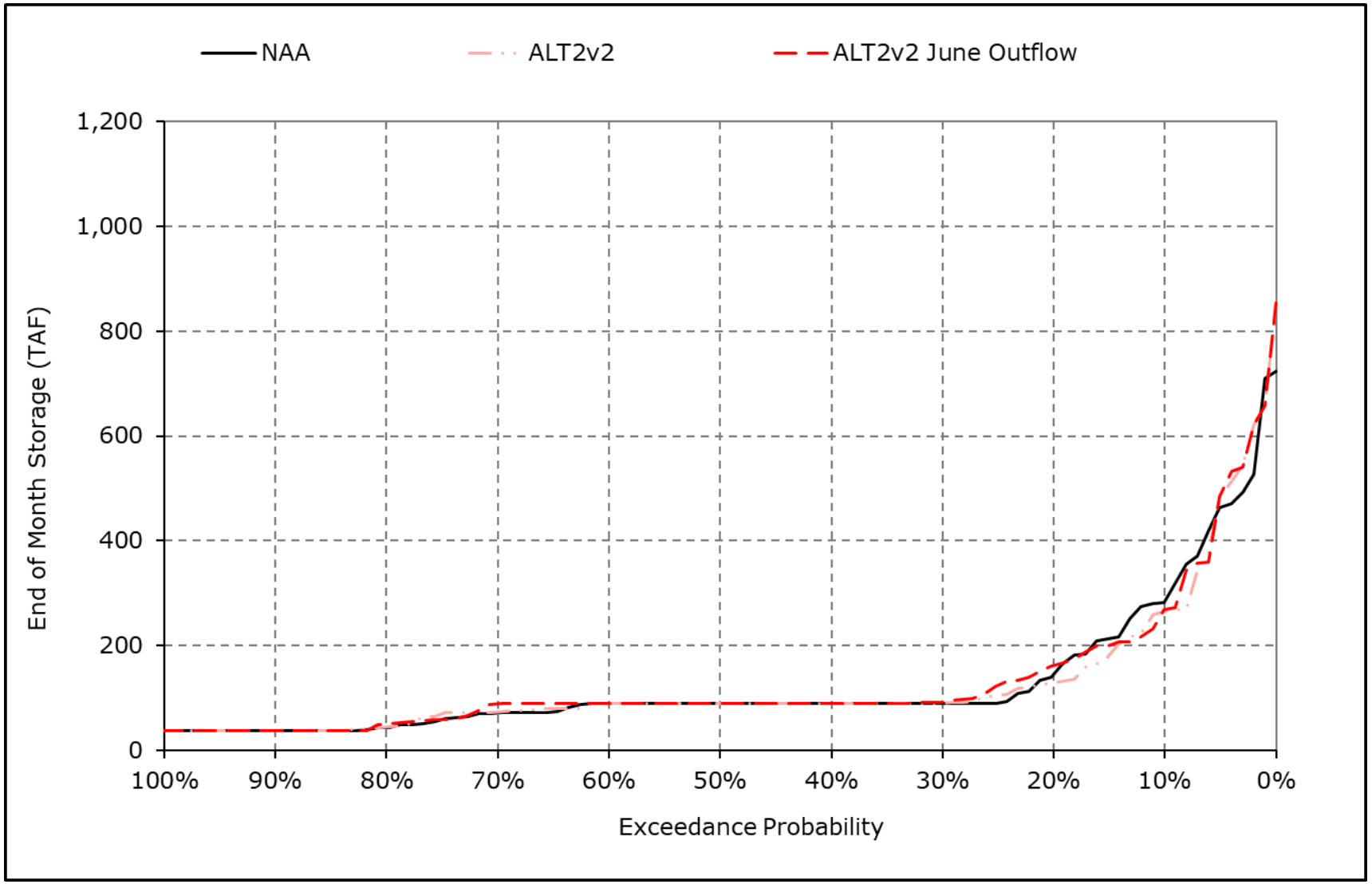
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-9. San Luis Central Valley Project Storage, June



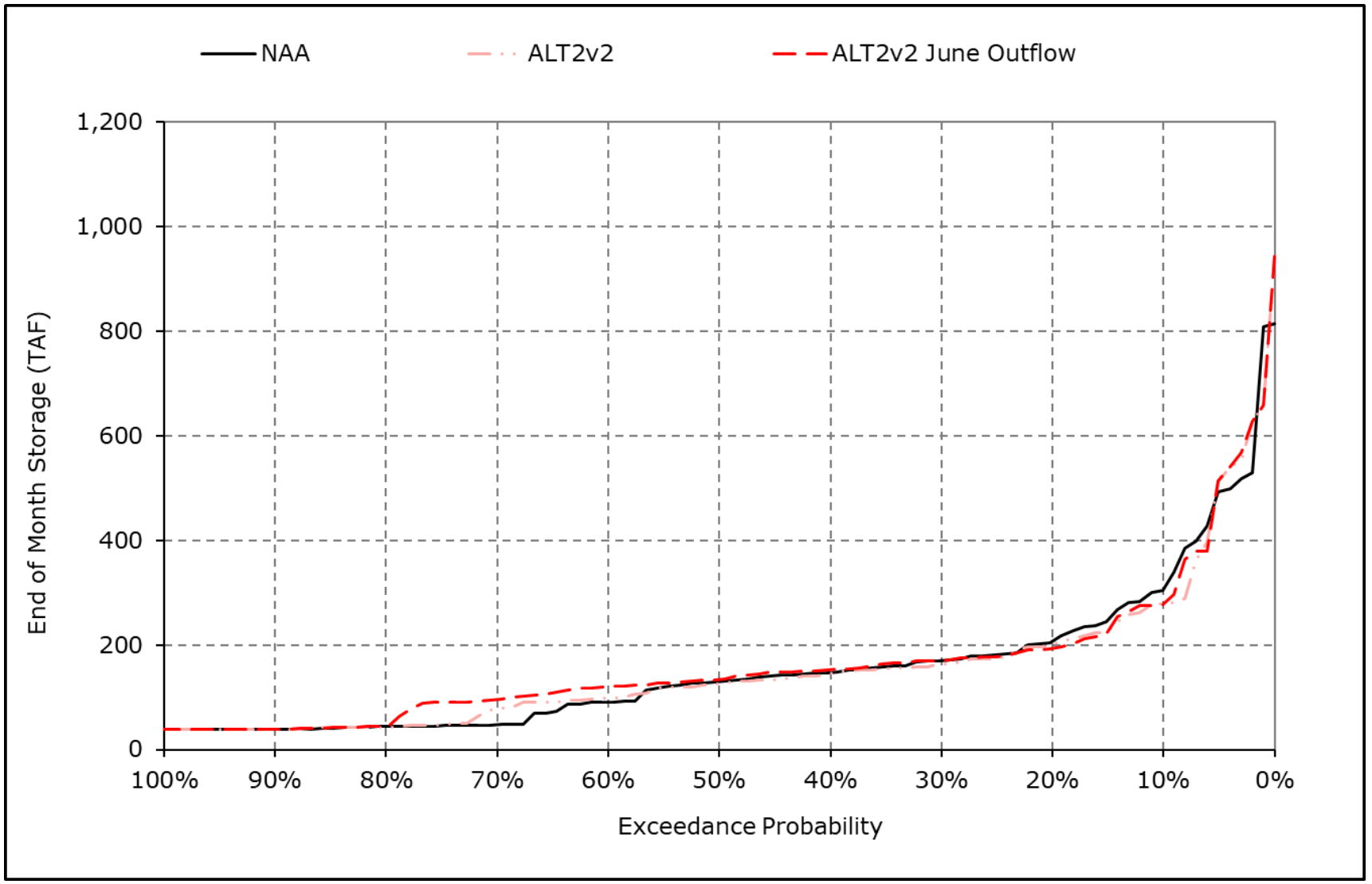
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-11-10. San Luis Central Valley Project 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 Central Valley Project 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 Central Valley Project 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, ALT2v2, 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.2.1-12-1c. San Luis State Water Project Storage, ALT2v2 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.2.1-12-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

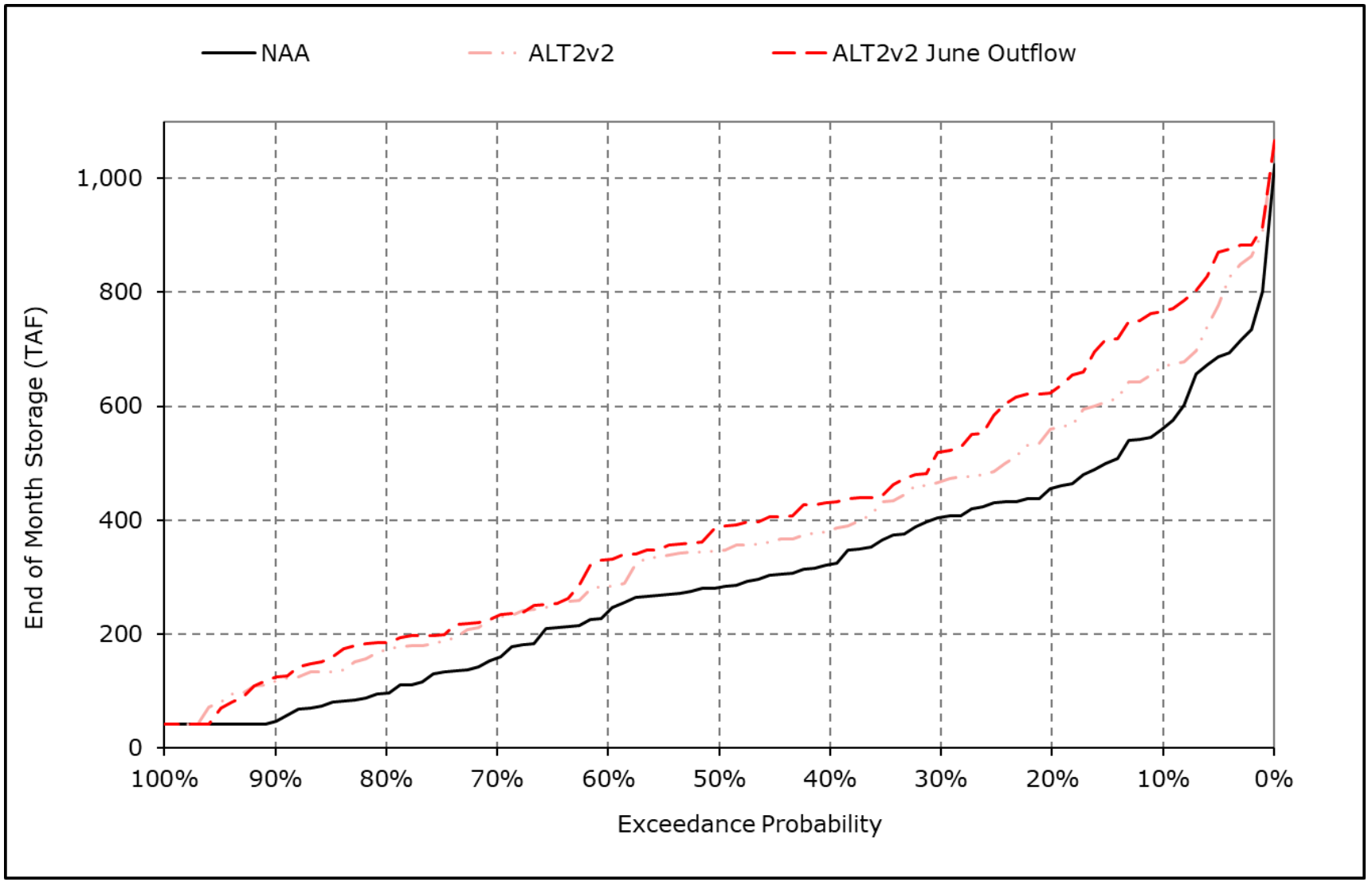
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	767	858	929	1,067	1,067	1,067	1,067	1,067	841	808	803	734
20% Exceedance	626	774	820	836	971	1,067	1,019	920	757	757	729	648
30% Exceedance	520	632	666	730	844	920	819	819	621	665	639	525
40% Exceedance	432	536	605	626	759	794	723	657	510	550	538	459
50% Exceedance	387	423	501	586	655	711	651	544	434	447	496	379
60% Exceedance	330	336	422	529	607	618	565	480	363	392	391	320
70% Exceedance	232	257	352	466	528	564	491	424	309	360	333	259
80% Exceedance	184	210	276	375	445	461	421	345	255	312	293	234
90% Exceedance	124	116	168	298	368	393	332	261	159	238	223	171
Full Simulation Period Average[a]	408	464	532	606	690	719	670	610	474	506	496	427
Wet Water Years (28%)	679	750	781	746	869	927	928	911	736	750	753	687
Above Normal Water Years (14%)	449	515	559	661	754	766	679	586	404	479	558	477
Below Normal Water Years (18%)	331	380	431	626	656	649	556	460	325	405	456	375
Dry Water Years (24%)	263	338	423	518	597	630	563	485	391	434	348	272
Critical Water Years (16%)	187	182	336	424	501	528	499	458	372	324	260	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.2.1-12-2c. San Luis State Water Project Storage, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

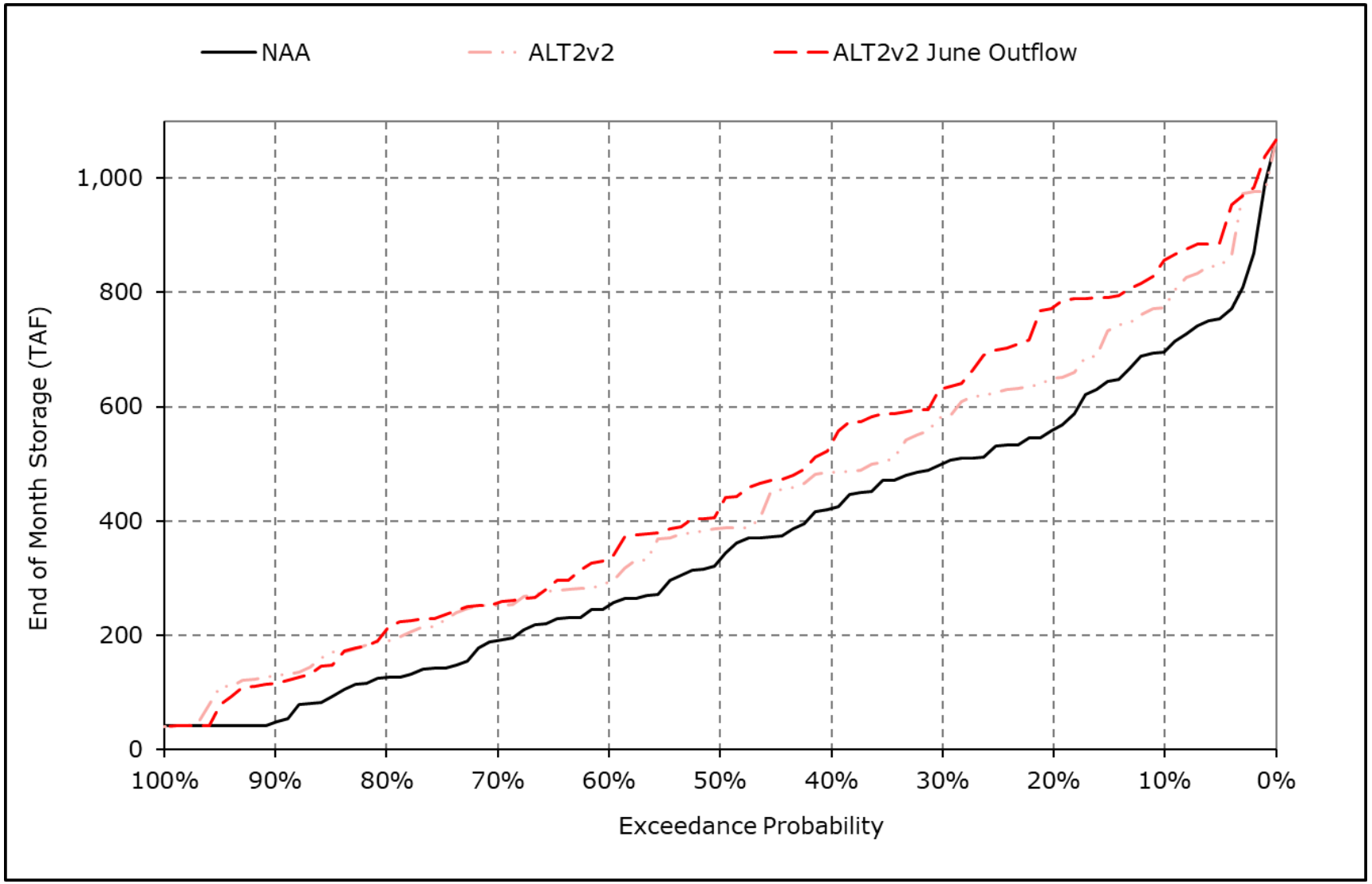
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	207	160	110	66	0	0	0	83	45	43	102	114
20% Exceedance	168	214	135	70	10	0	48	131	131	126	103	112
30% Exceedance	115	131	83	69	57	15	-48	124	77	70	71	90
40% Exceedance	110	114	114	37	72	19	7	59	38	86	57	97
50% Exceedance	105	90	77	71	40	43	45	50	23	53	82	65
60% Exceedance	92	84	56	55	37	10	40	54	31	51	65	67
70% Exceedance	75	67	56	72	67	28	6	43	48	70	83	62
80% Exceedance	88	84	78	40	21	-7	-7	34	62	59	87	90
90% Exceedance	77	67	100	92	51	5	18	49	48	37	91	110
Full Simulation Period Average[a]	105	101	81	55	39	7	13	58	49	64	77	93
Wet Water Years (28%)	187	187	144	46	42	29	33	112	109	103	99	125
Above Normal Water Years (14%)	108	126	112	13	-2	-34	-11	47	35	35	38	91
Below Normal Water Years (18%)	77	77	56	97	74	2	9	56	45	50	77	77
Dry Water Years (24%)	51	44	35	73	52	25	22	44	21	49	70	62
Critical Water Years (16%)	67	36	39	30	8	-14	-11	-1	4	55	85	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.



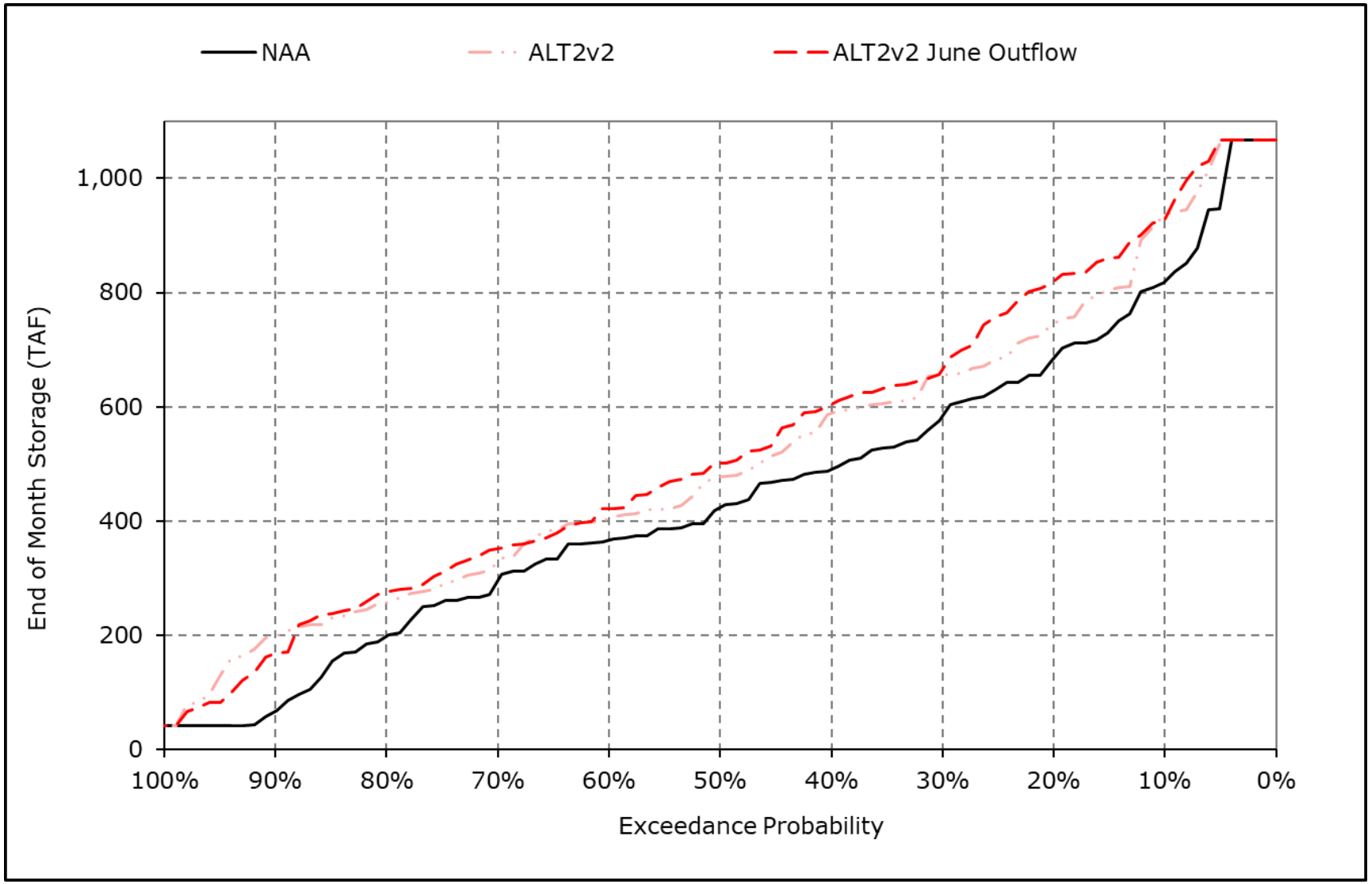
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-1. San Luis State Water Project Storage, October



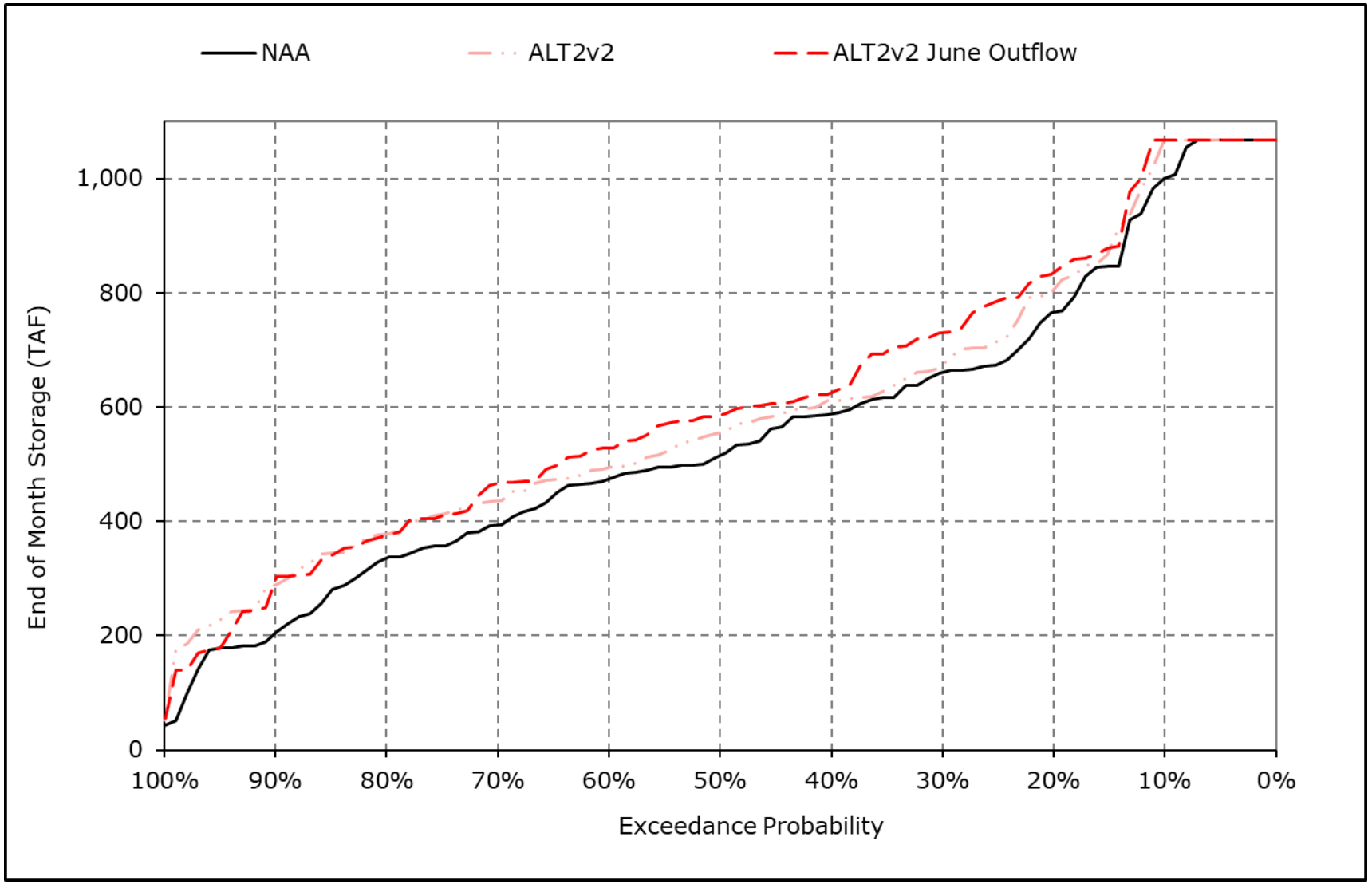
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-2. San Luis State Water Project Storage, November



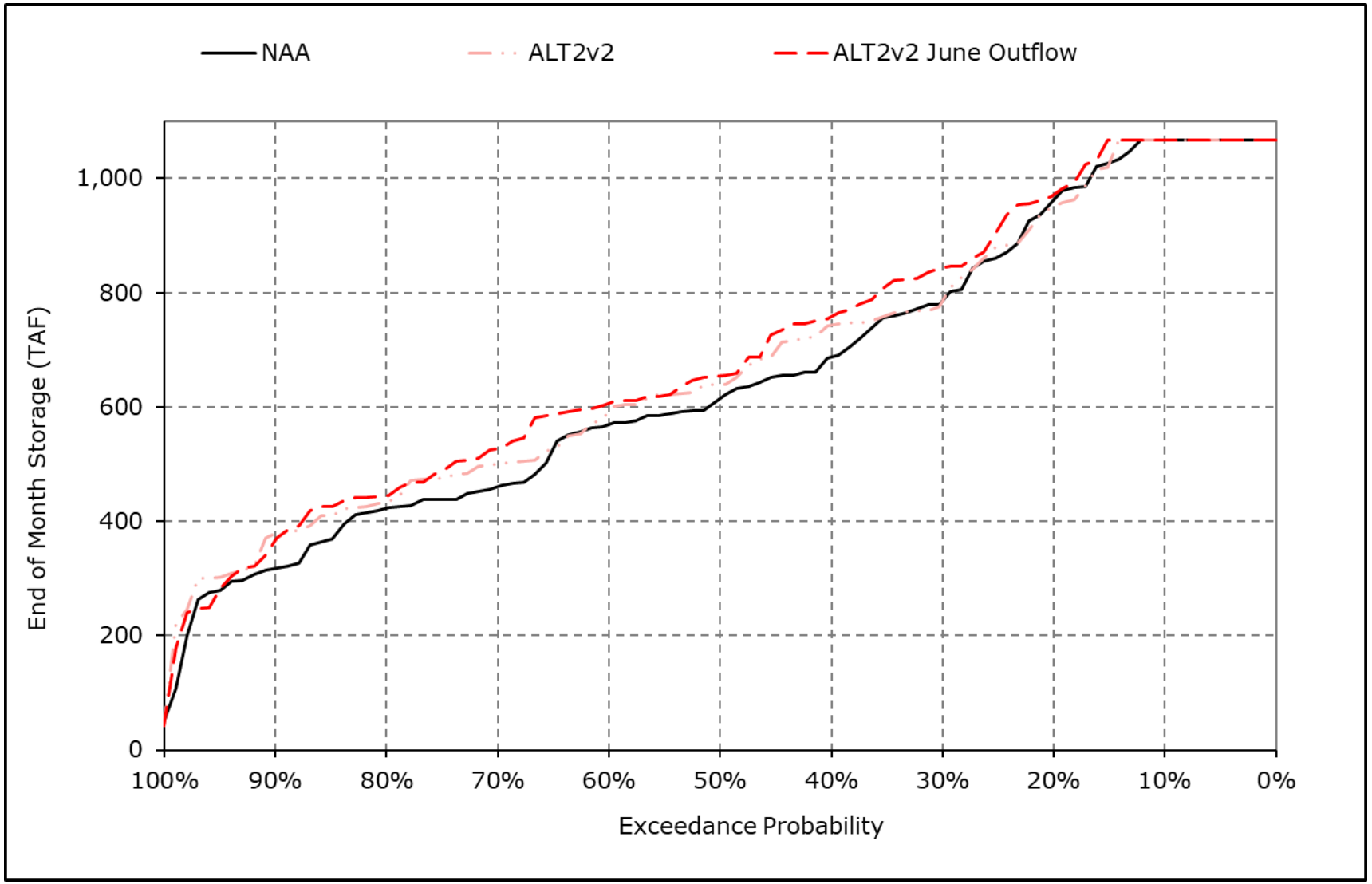
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-3. San Luis State Water Project Storage, December



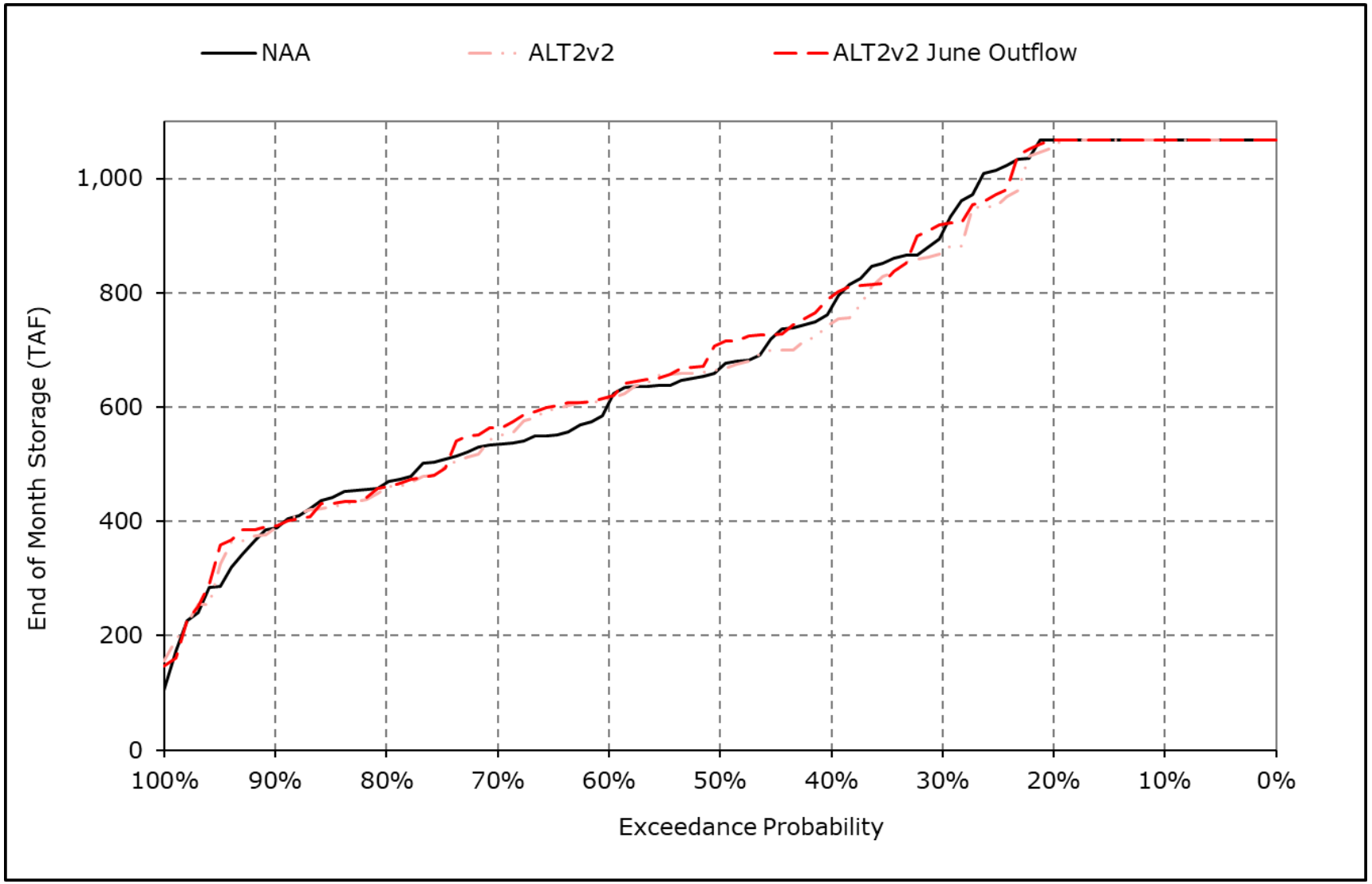
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-4. San Luis State Water Project Storage, January



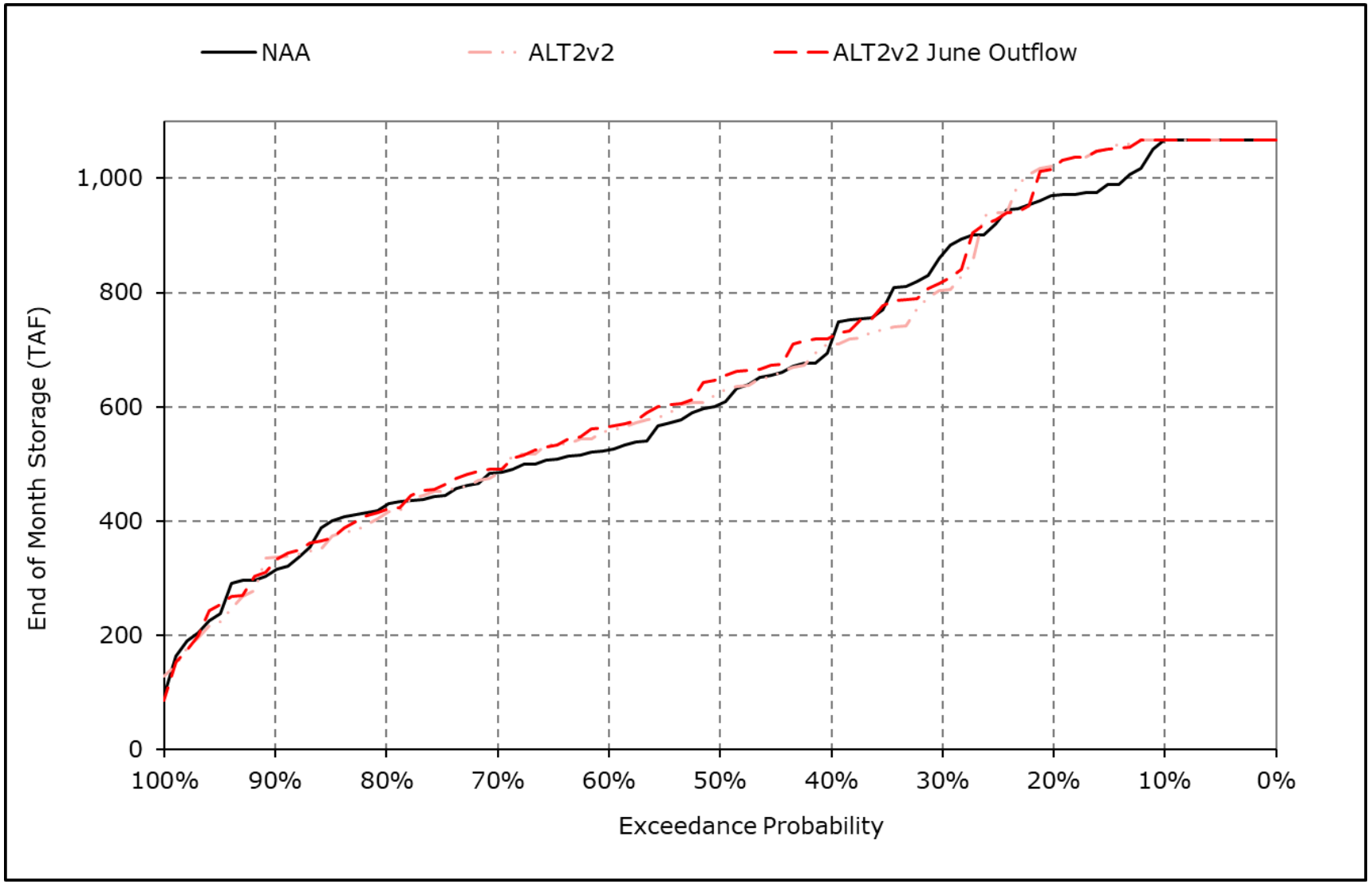
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-5. San Luis State Water Project Storage, February



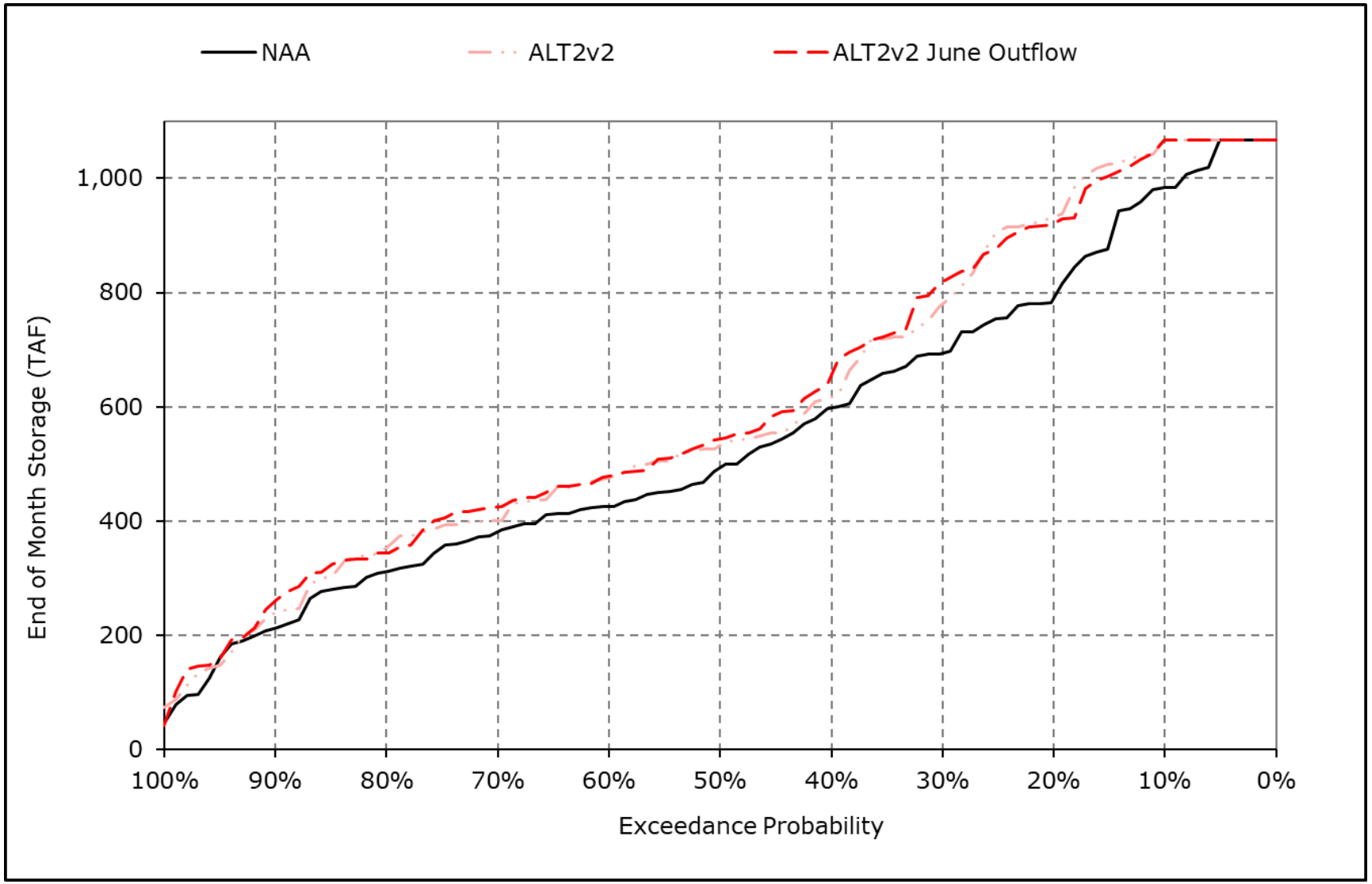
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-6. San Luis State Water Project Storage, March



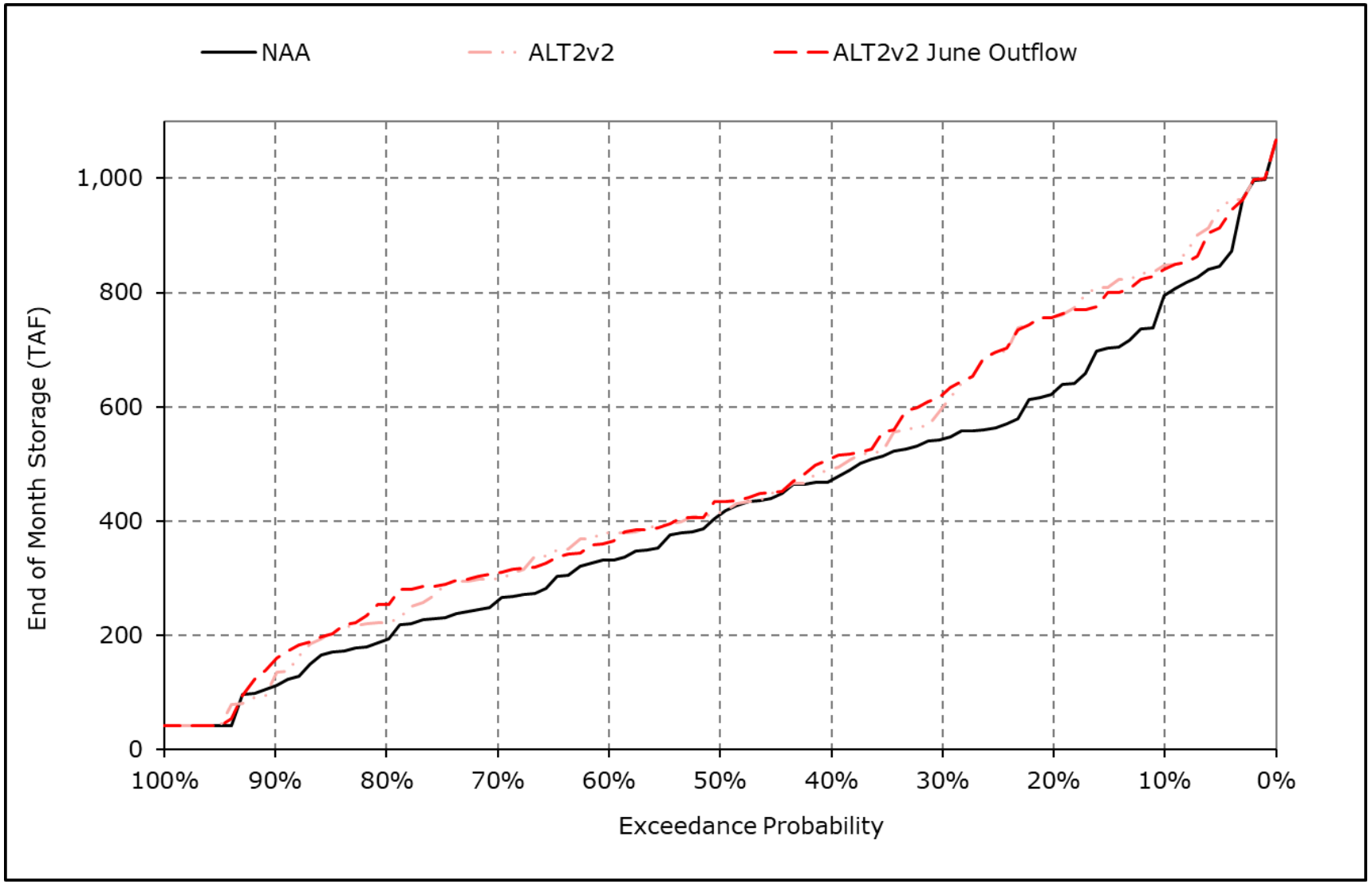
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-7. San Luis State Water Project Storage, April



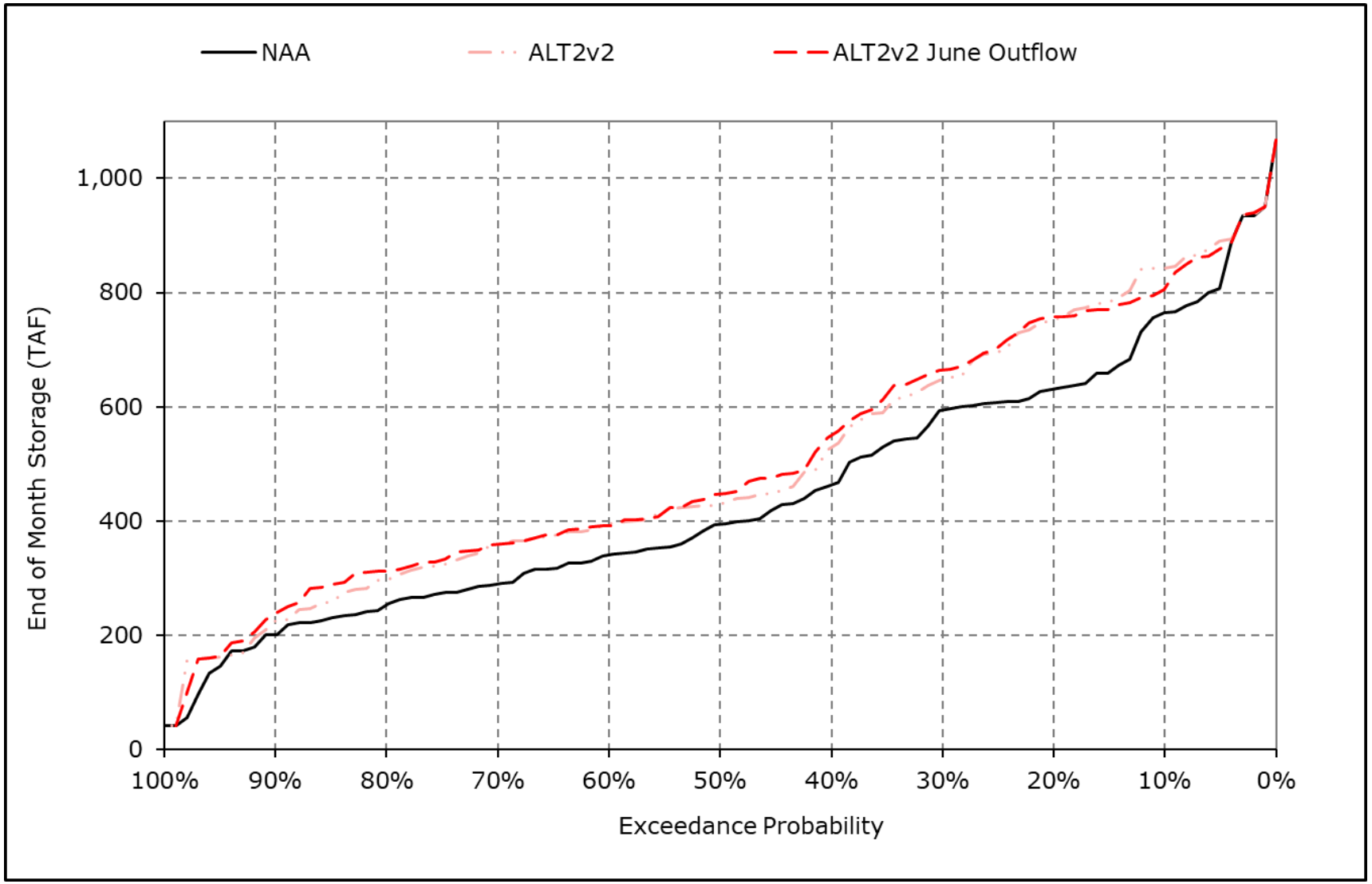
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-8. San Luis State Water Project Storage, May



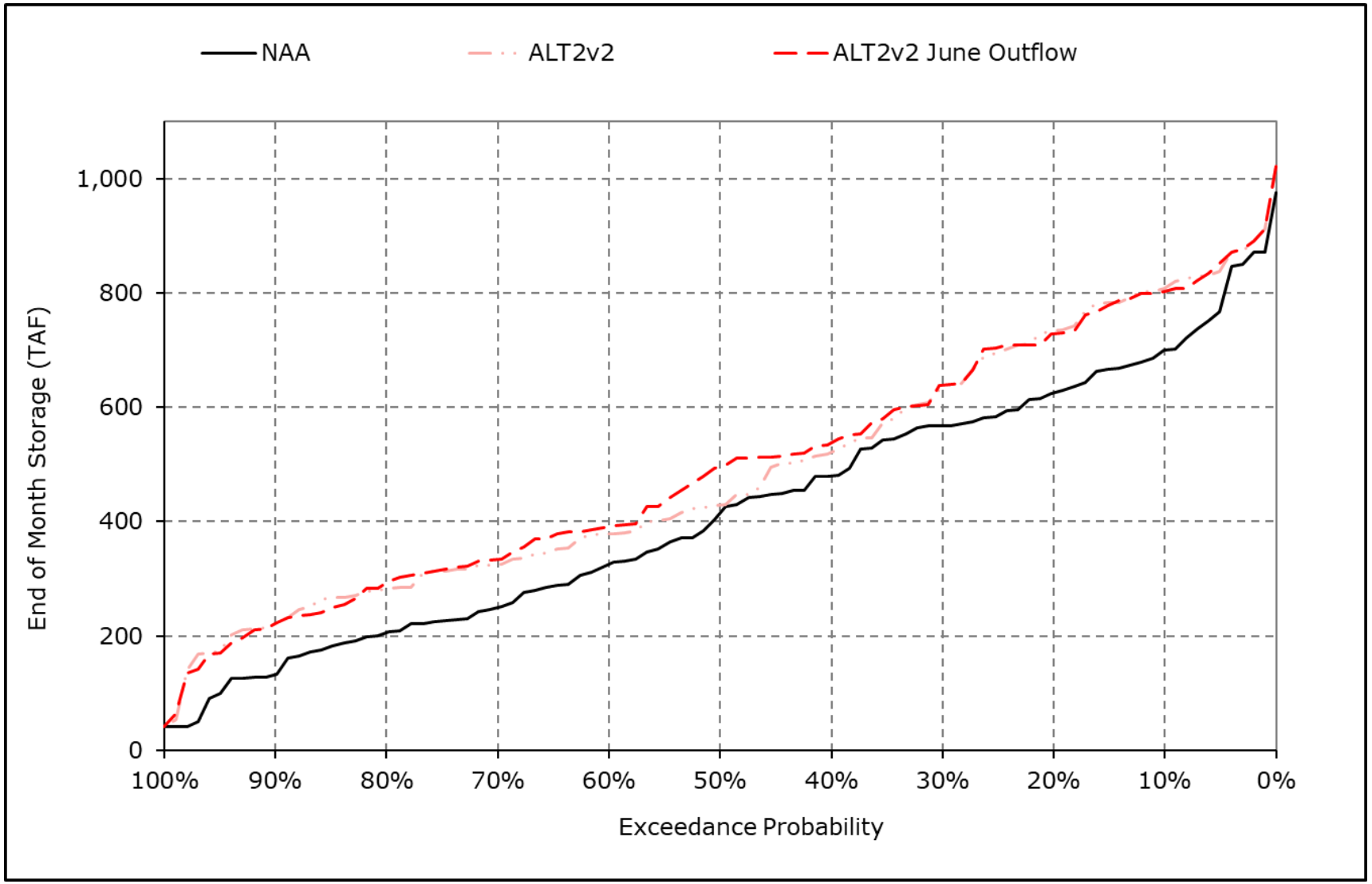
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-9. San Luis State Water Project Storage, June



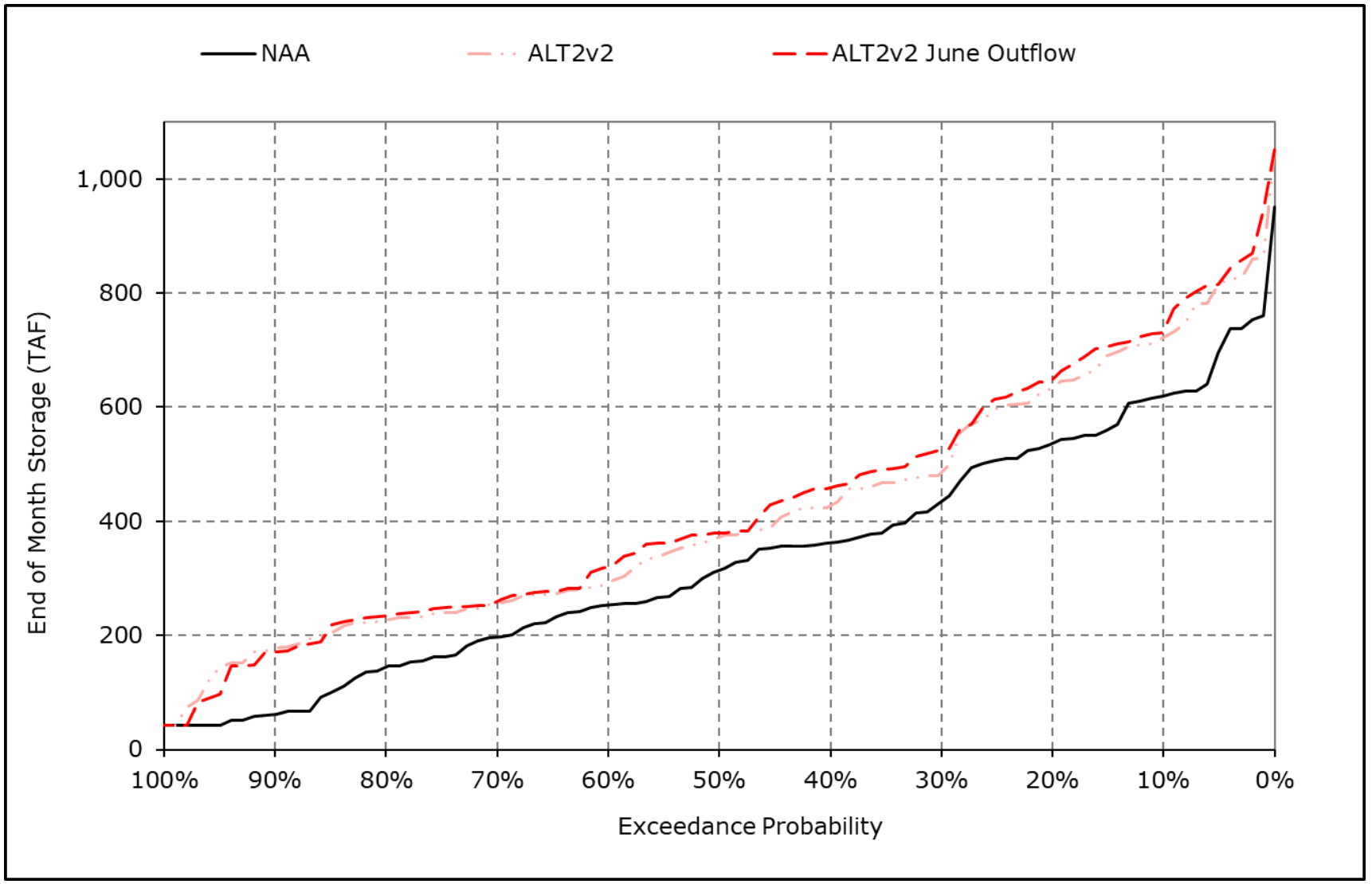
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-12-10. San Luis State Water Project 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 State Water Project 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 State Water Project 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, ALT2v2, 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.2.1-13-1c. New Melones Reservoir Storage, ALT2v2 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.2.1-13-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

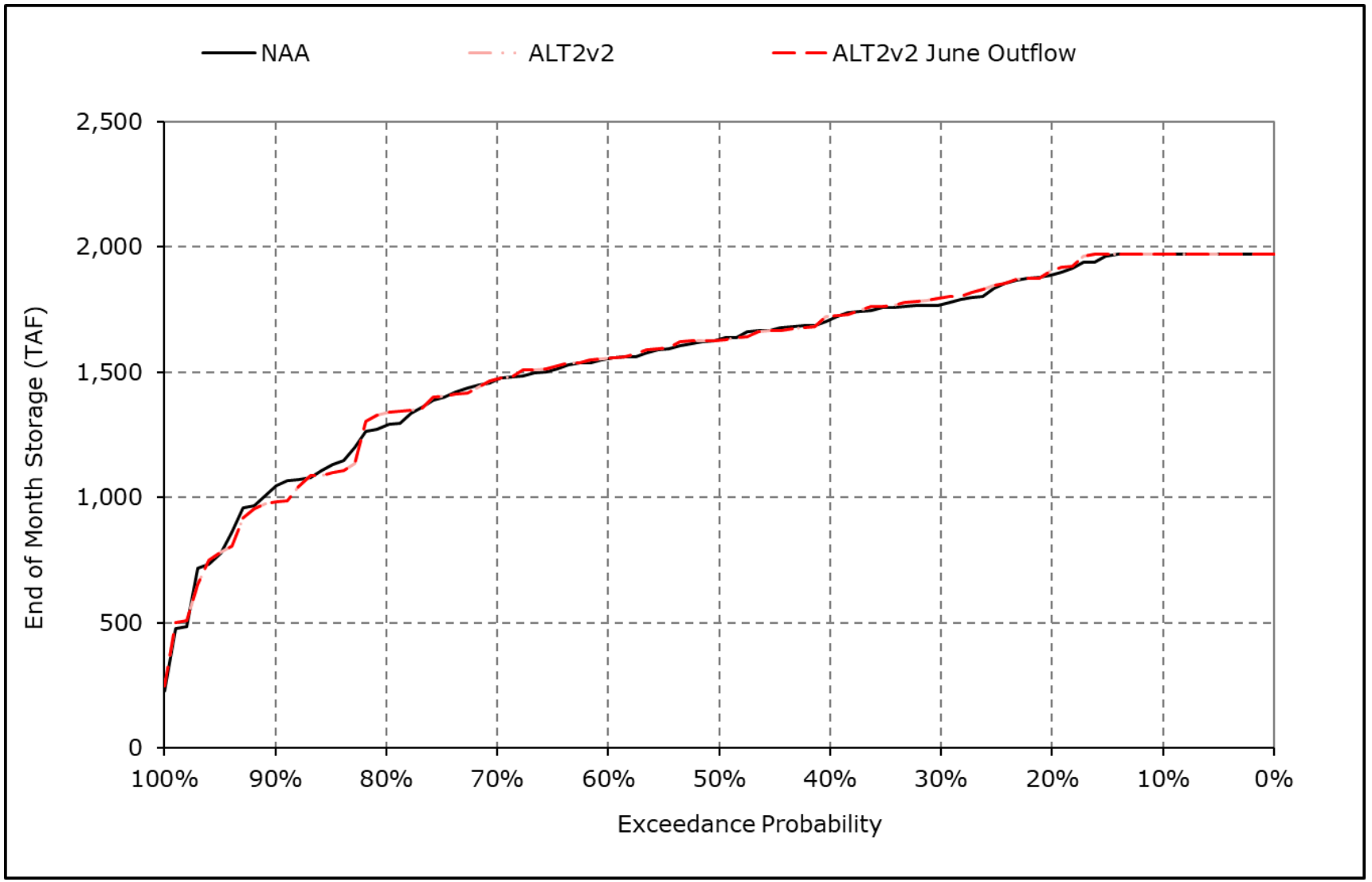
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,970	1,970	1,970	1,970	1,970	2,030	2,164	2,268	2,357	2,280	2,130	2,000
20% Exceedance	1,904	1,958	1,970	1,970	1,970	2,030	2,117	2,156	2,145	2,039	1,976	1,943
30% Exceedance	1,795	1,819	1,869	1,964	1,970	2,030	2,079	2,104	2,035	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	1,469	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.2.1-13-2c. New Melones Reservoir Storage, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

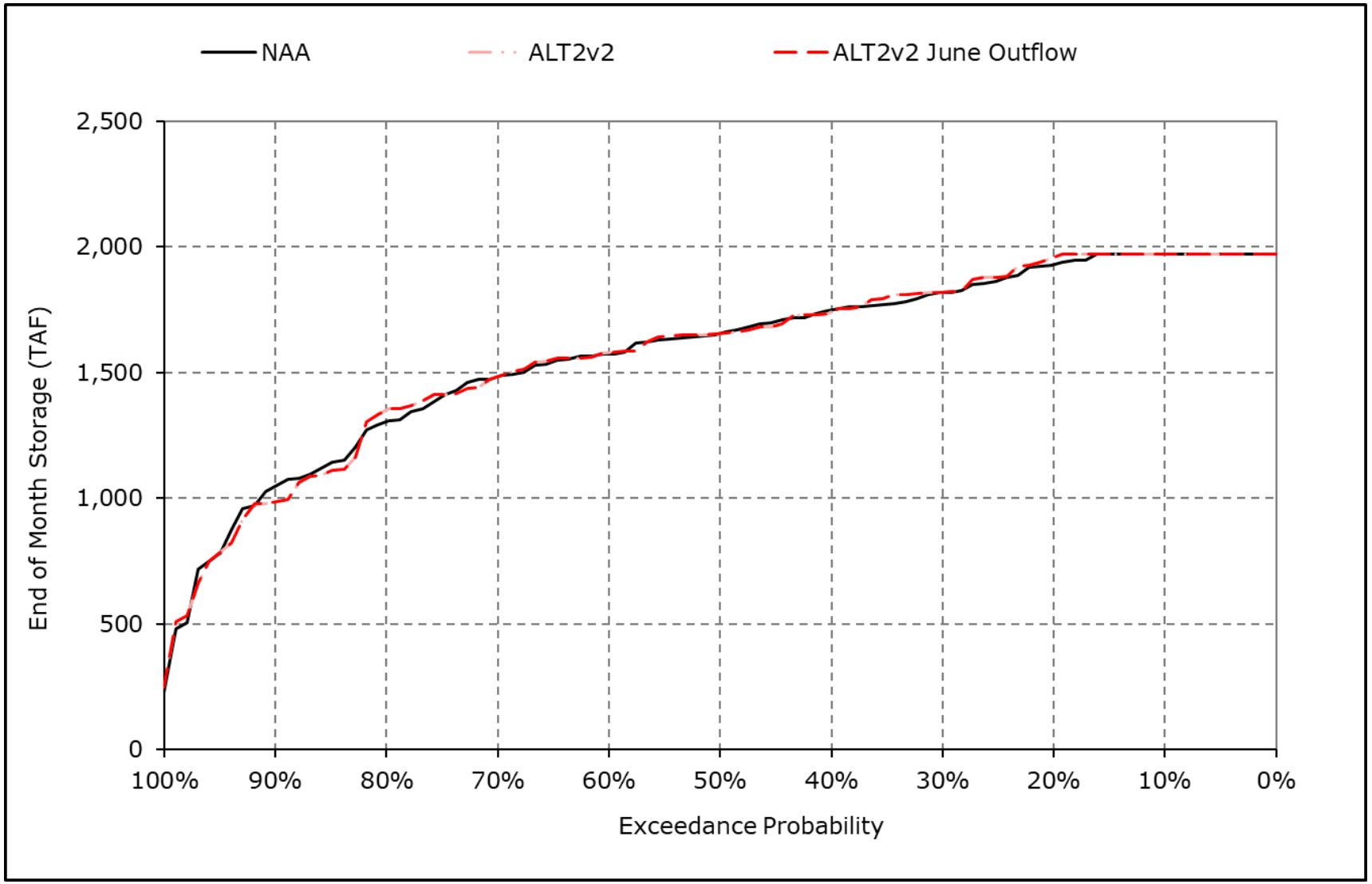
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	3	25	36	55	0	0
20% Exceedance	14	31	0	0	0	0	4	-8	4	12	27	23
30% Exceedance	25	2	-4	11	0	0	17	24	11	16	6	9
40% Exceedance	12	-7	3	20	-3	4	3	-16	-26	-3	1	5
50% Exceedance	-2	1	-11	3	9	-7	-26	-16	-6	-5	-1	-6
60% Exceedance	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.



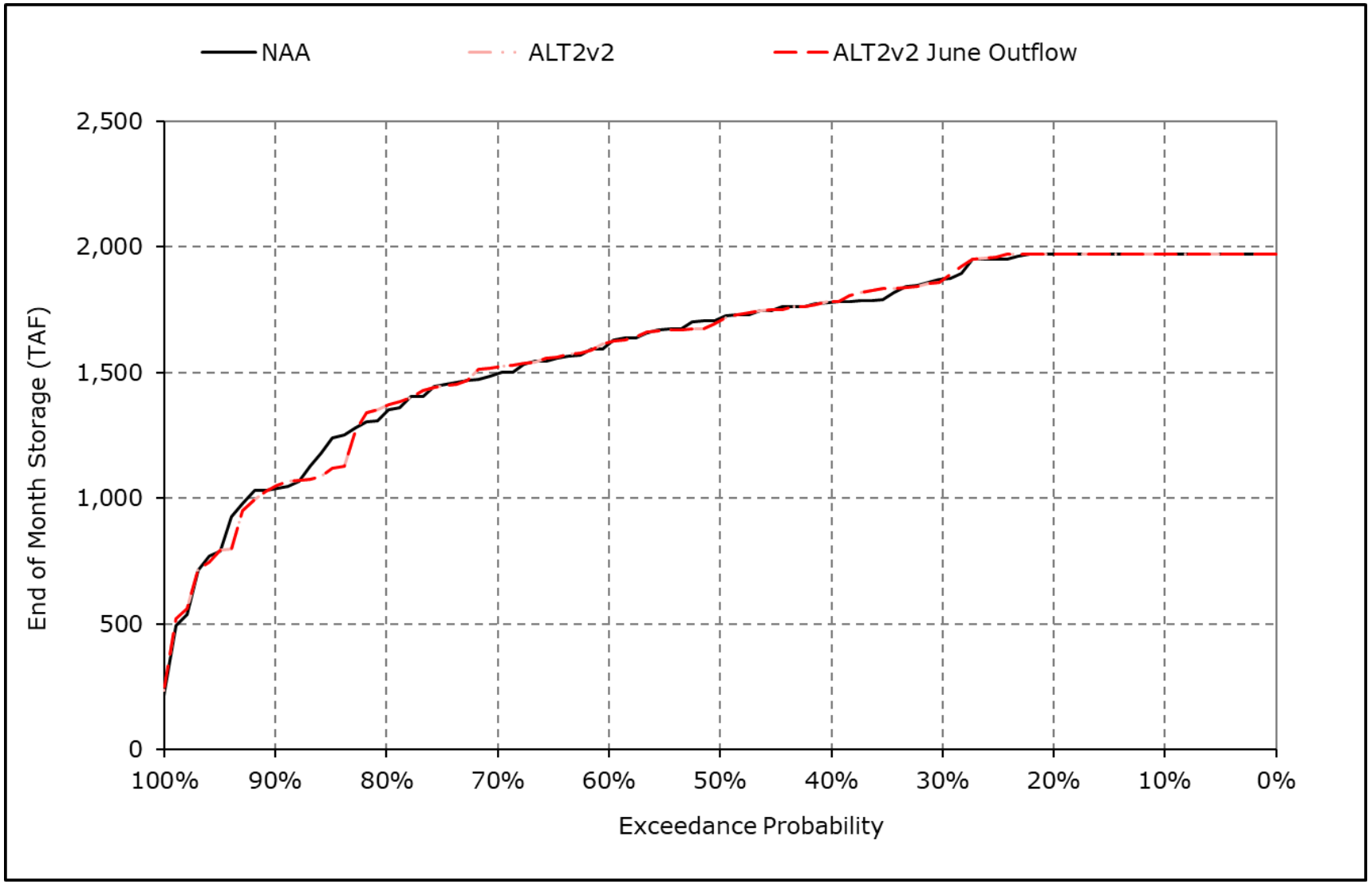
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-1. New Melones Reservoir Storage, October



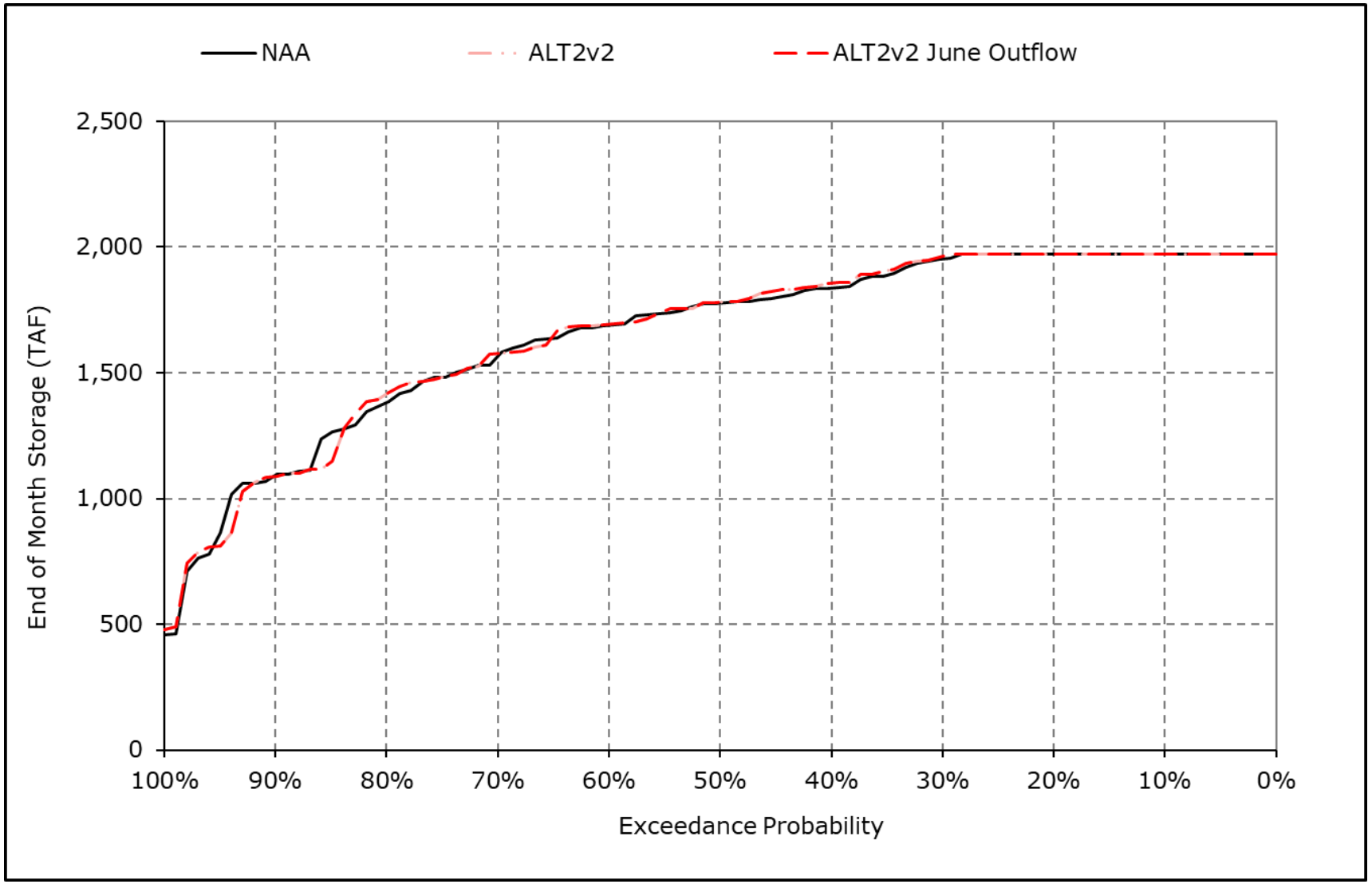
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-2. New Melones Reservoir Storage, November



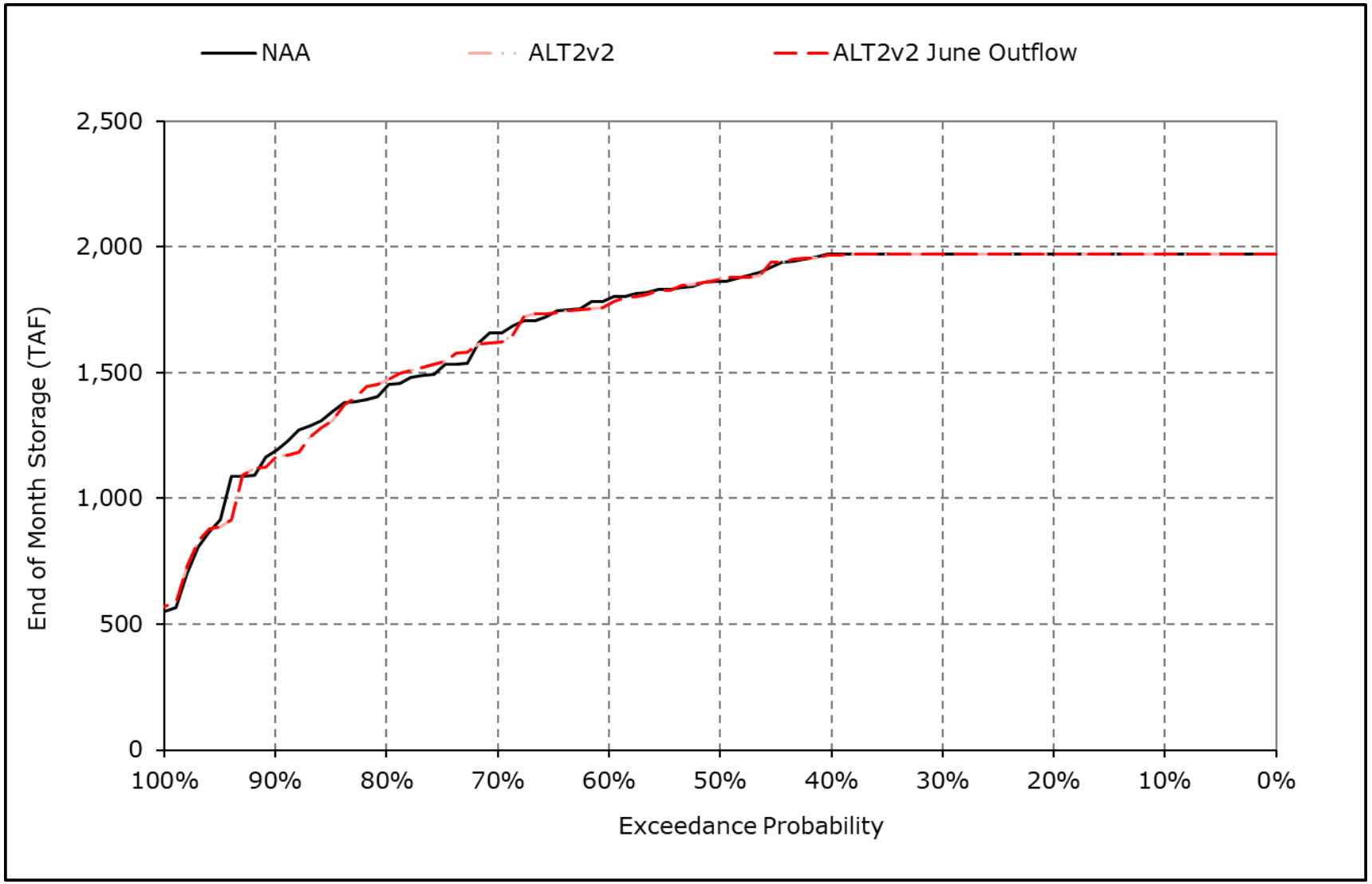
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-3. New Melones Reservoir Storage, December



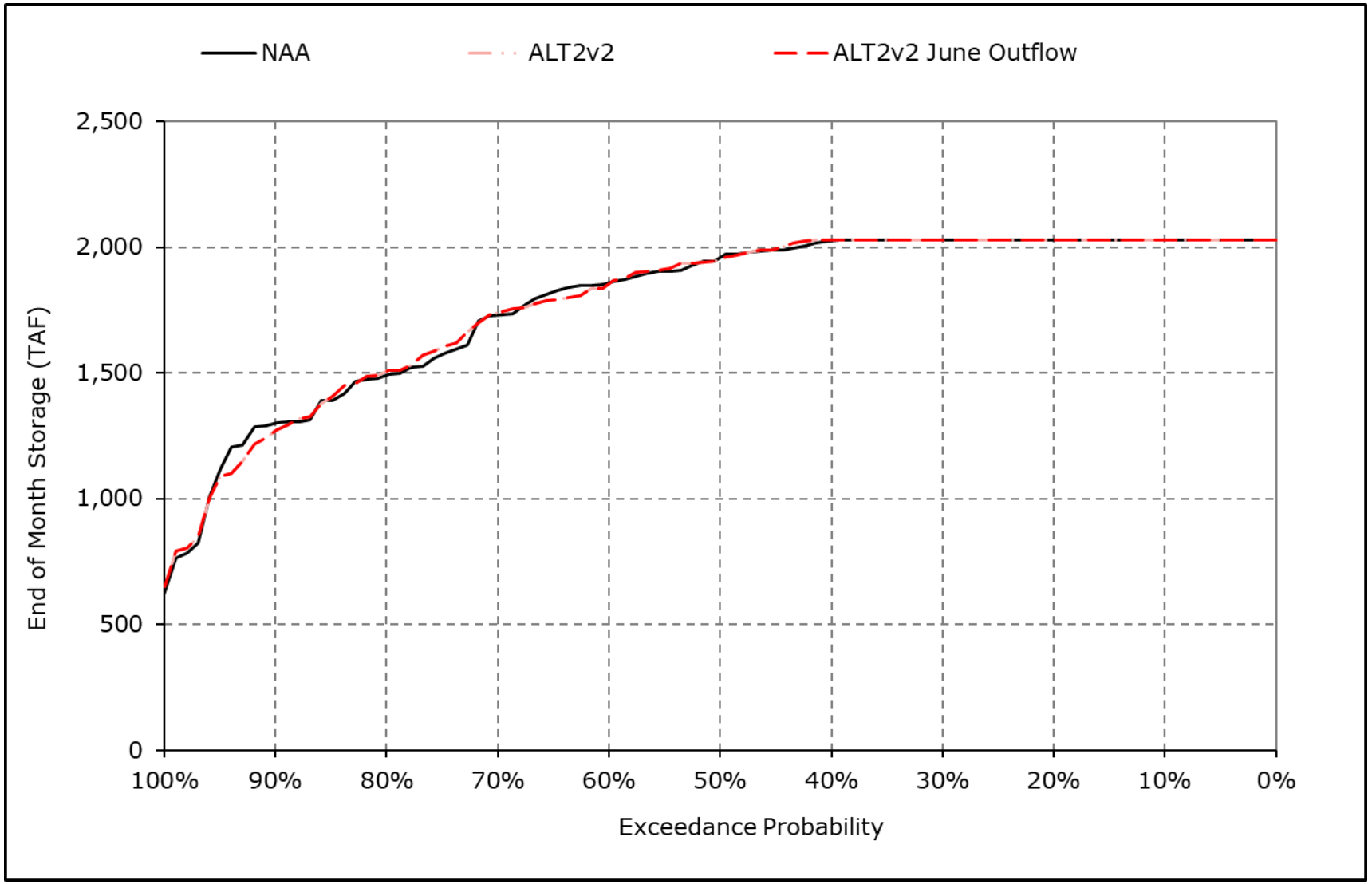
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-4. New Melones Reservoir Storage, January



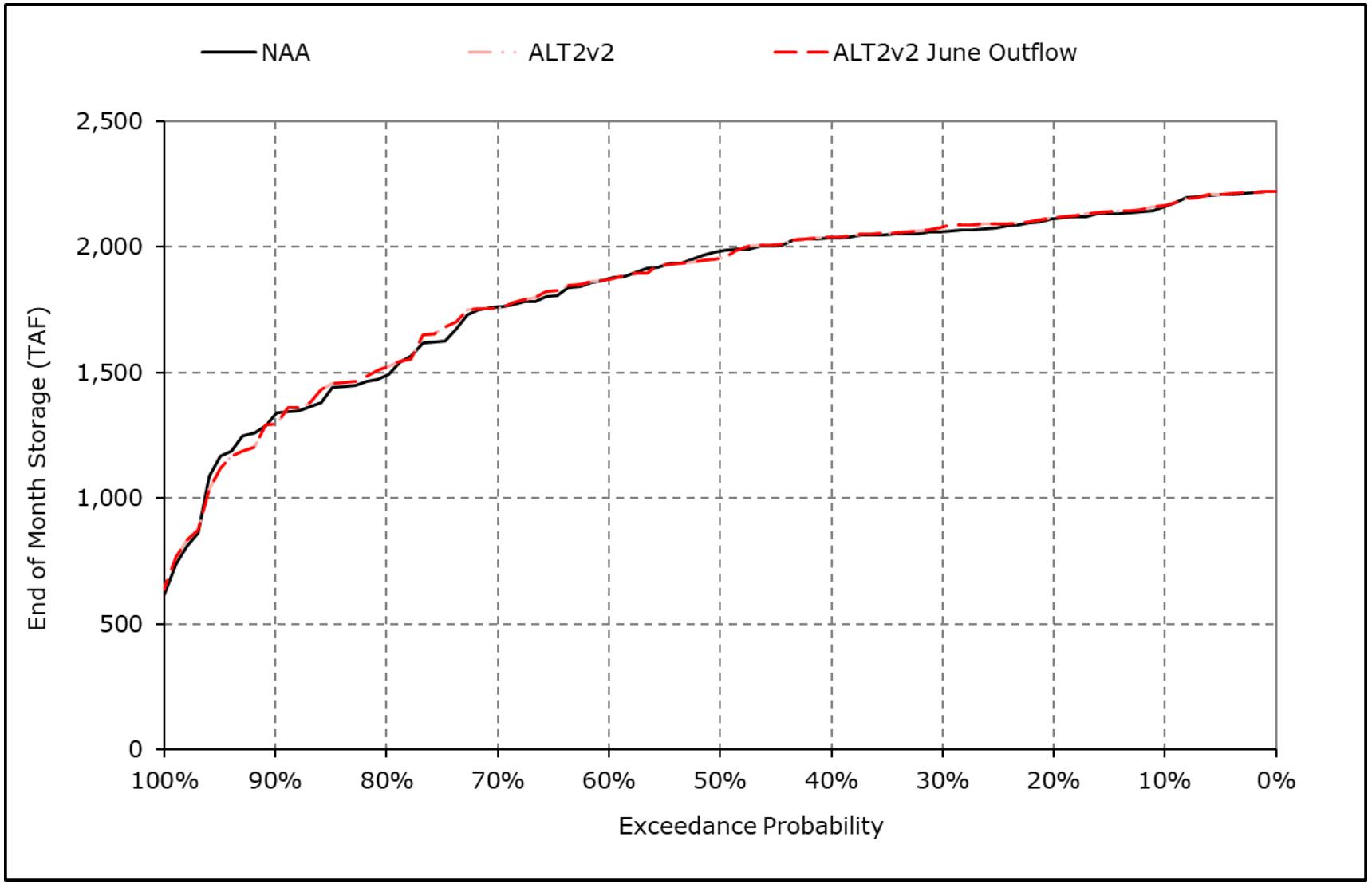
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-5. New Melones Reservoir Storage, February



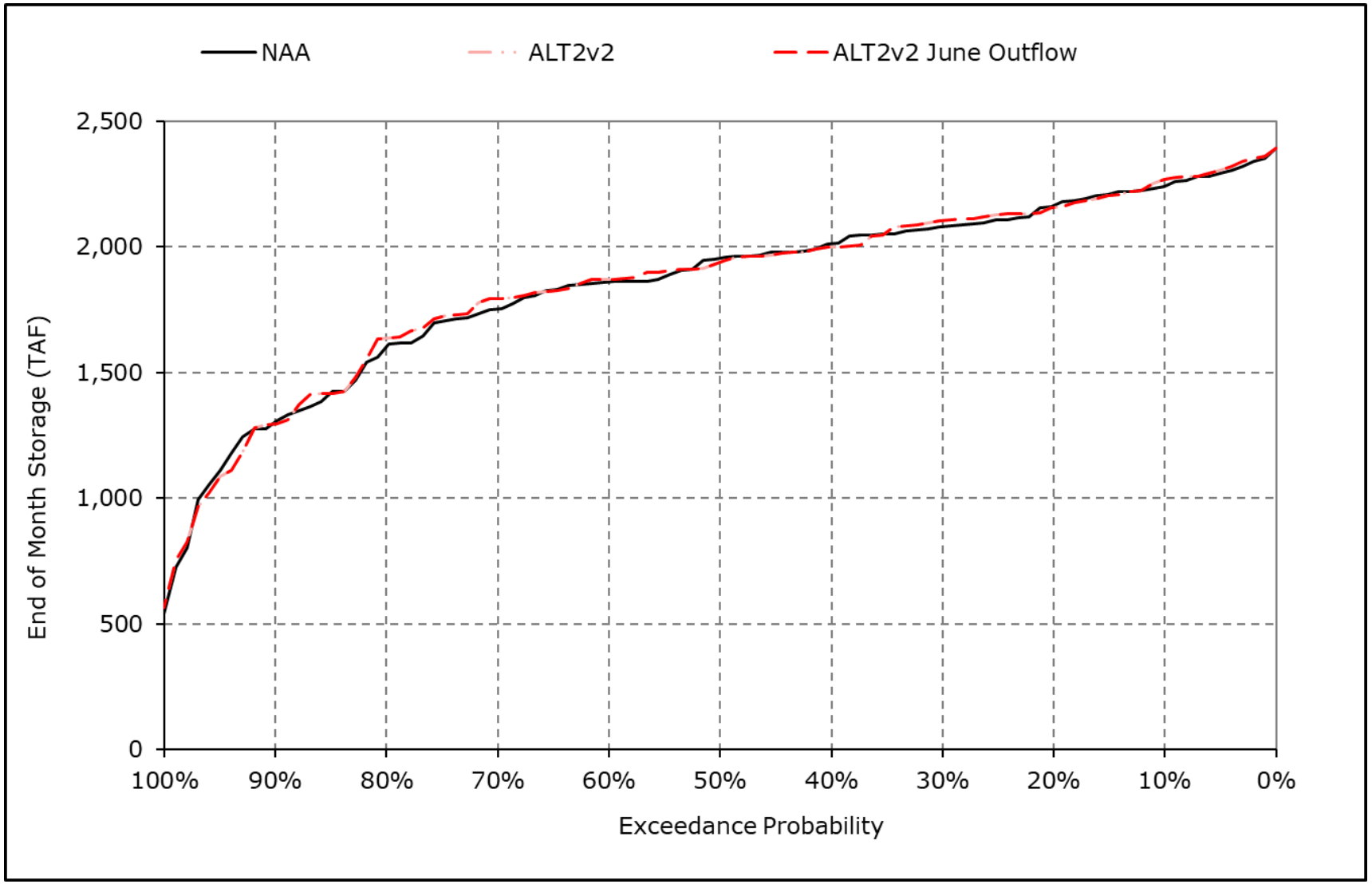
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-6. New Melones Reservoir Storage, March



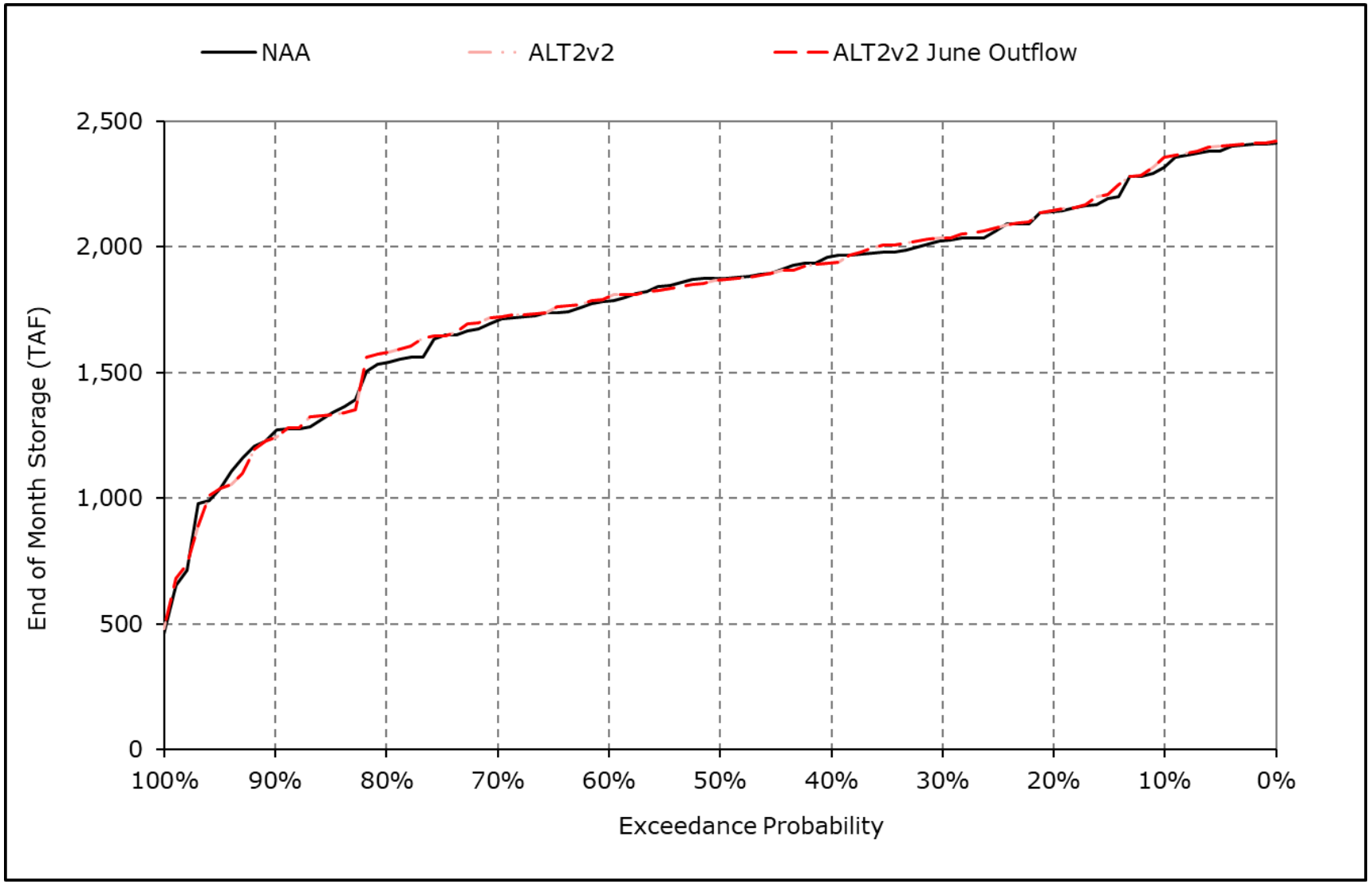
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-7. New Melones Reservoir Storage, April



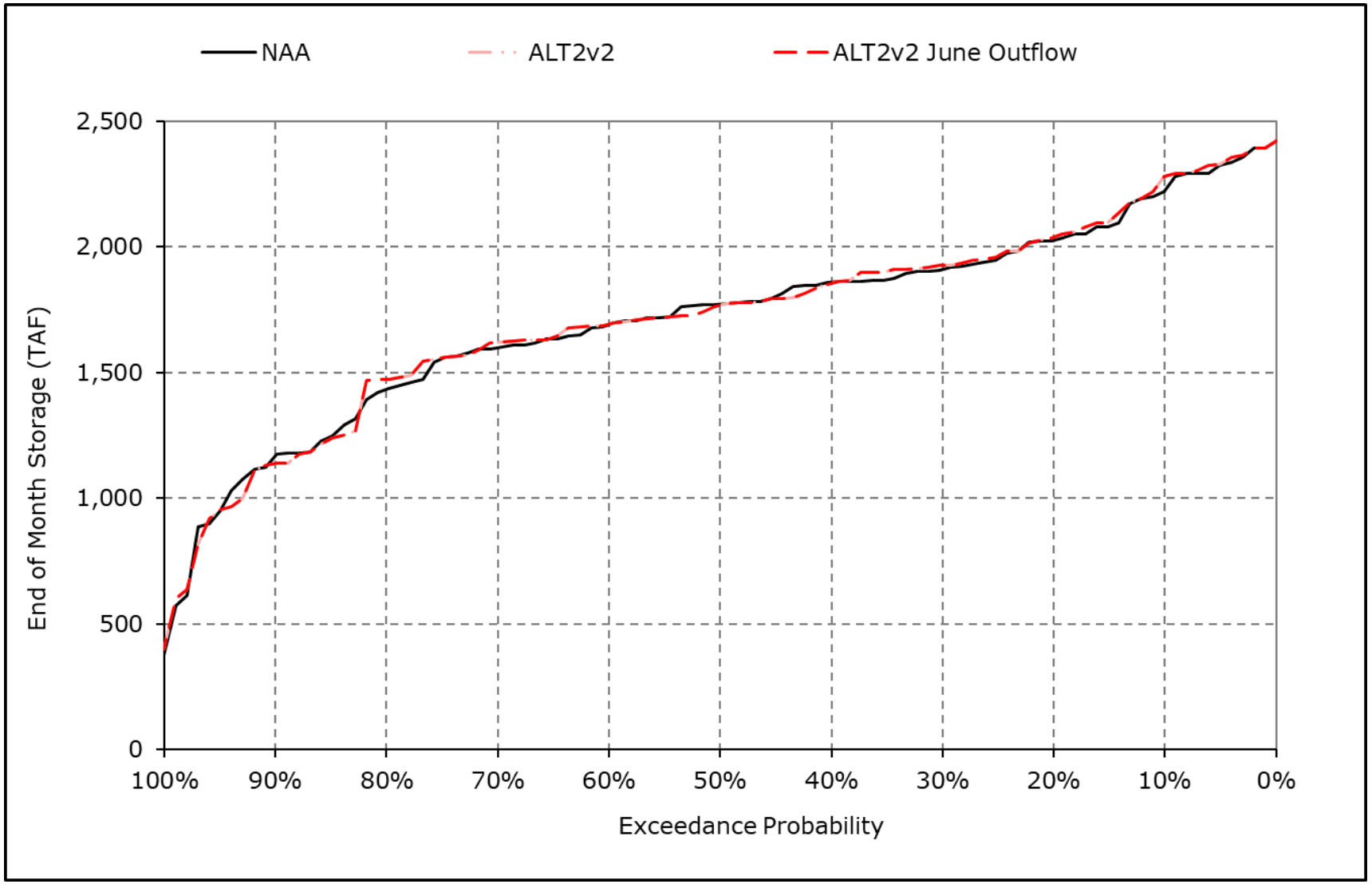
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-8. New Melones Reservoir Storage, May



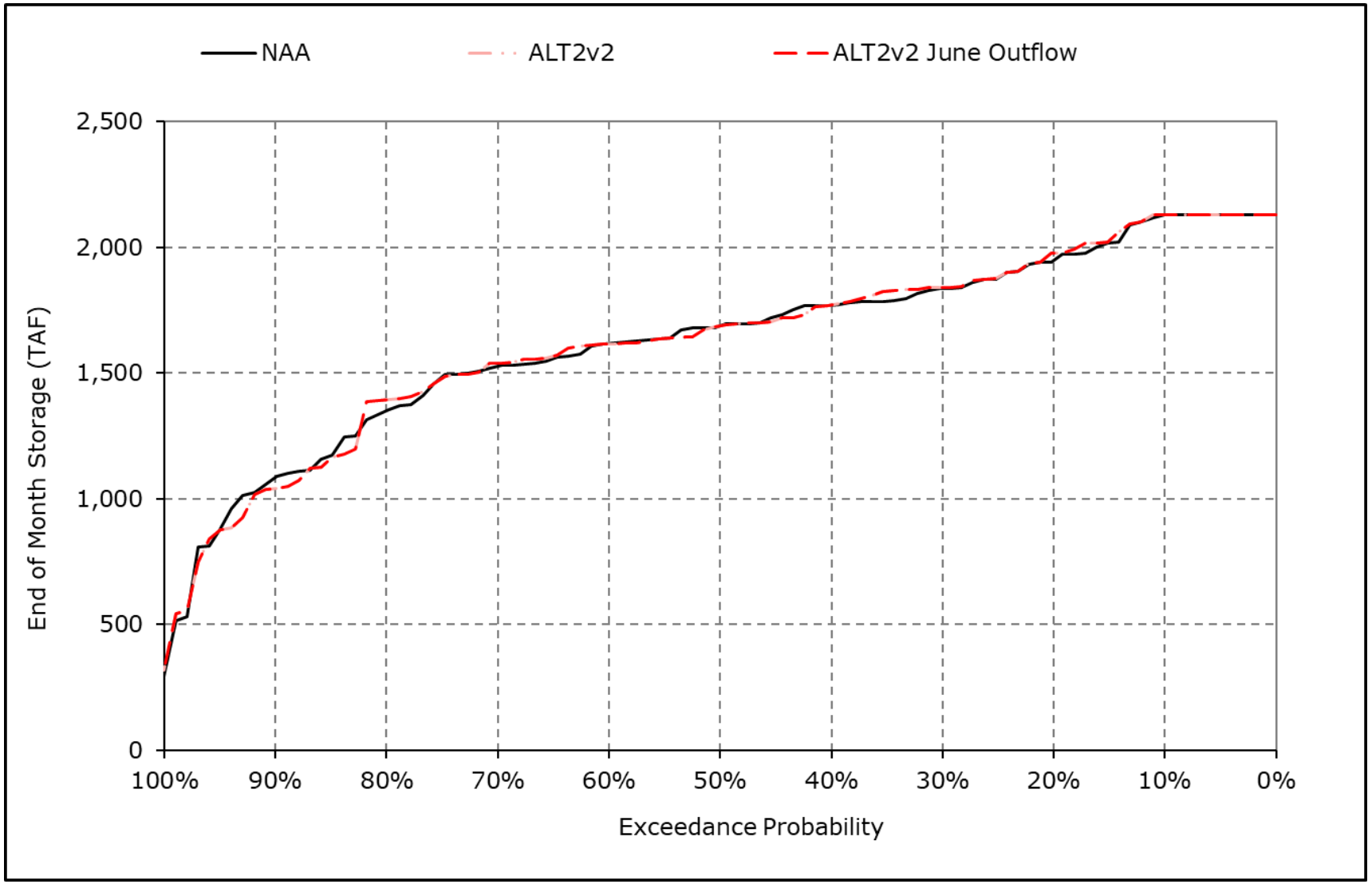
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-13-9. New Melones Reservoir Storage, June



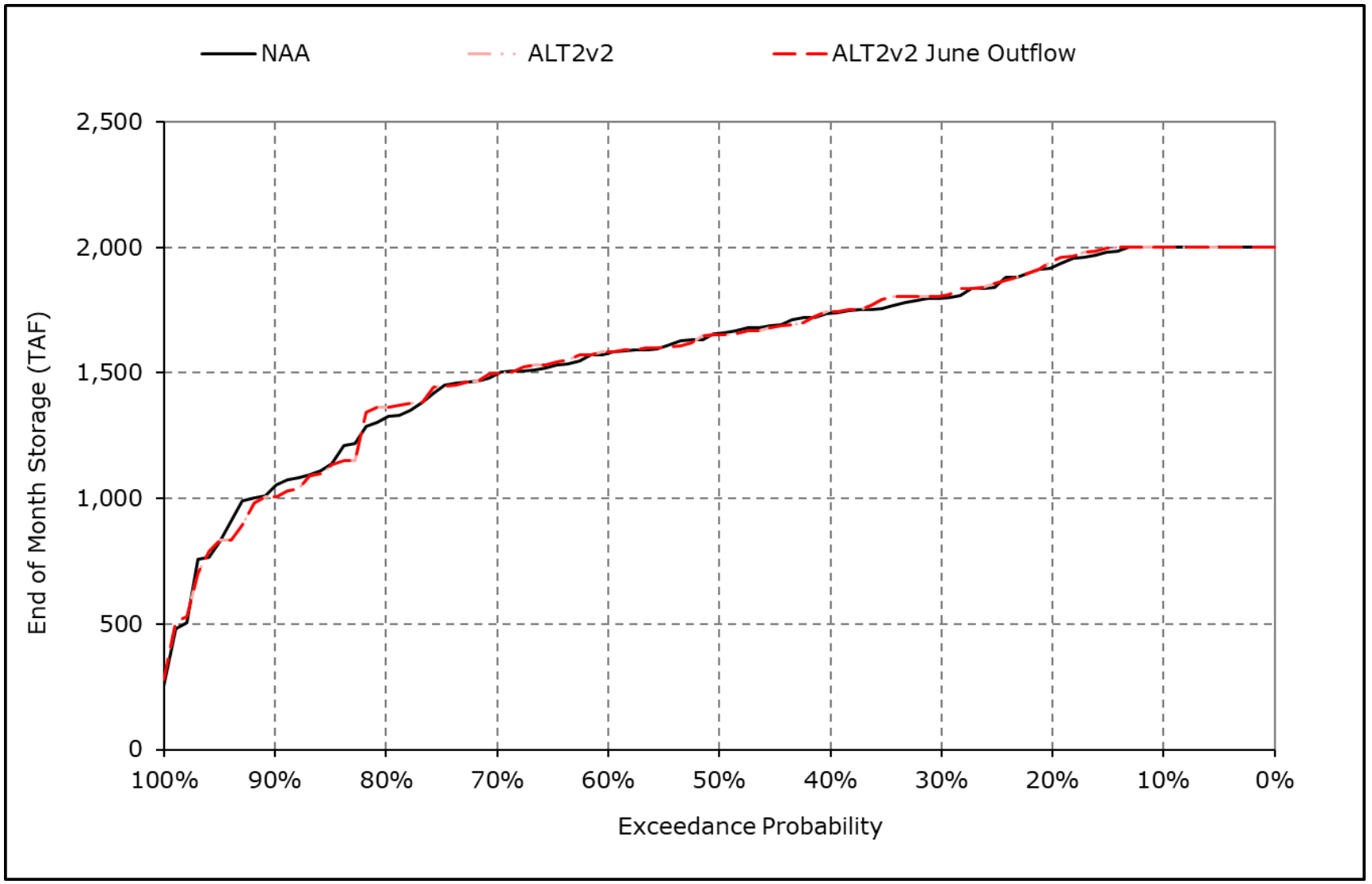
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-14-1c. New Melones Reservoir Elevation, ALT2v2 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.2.1-14-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

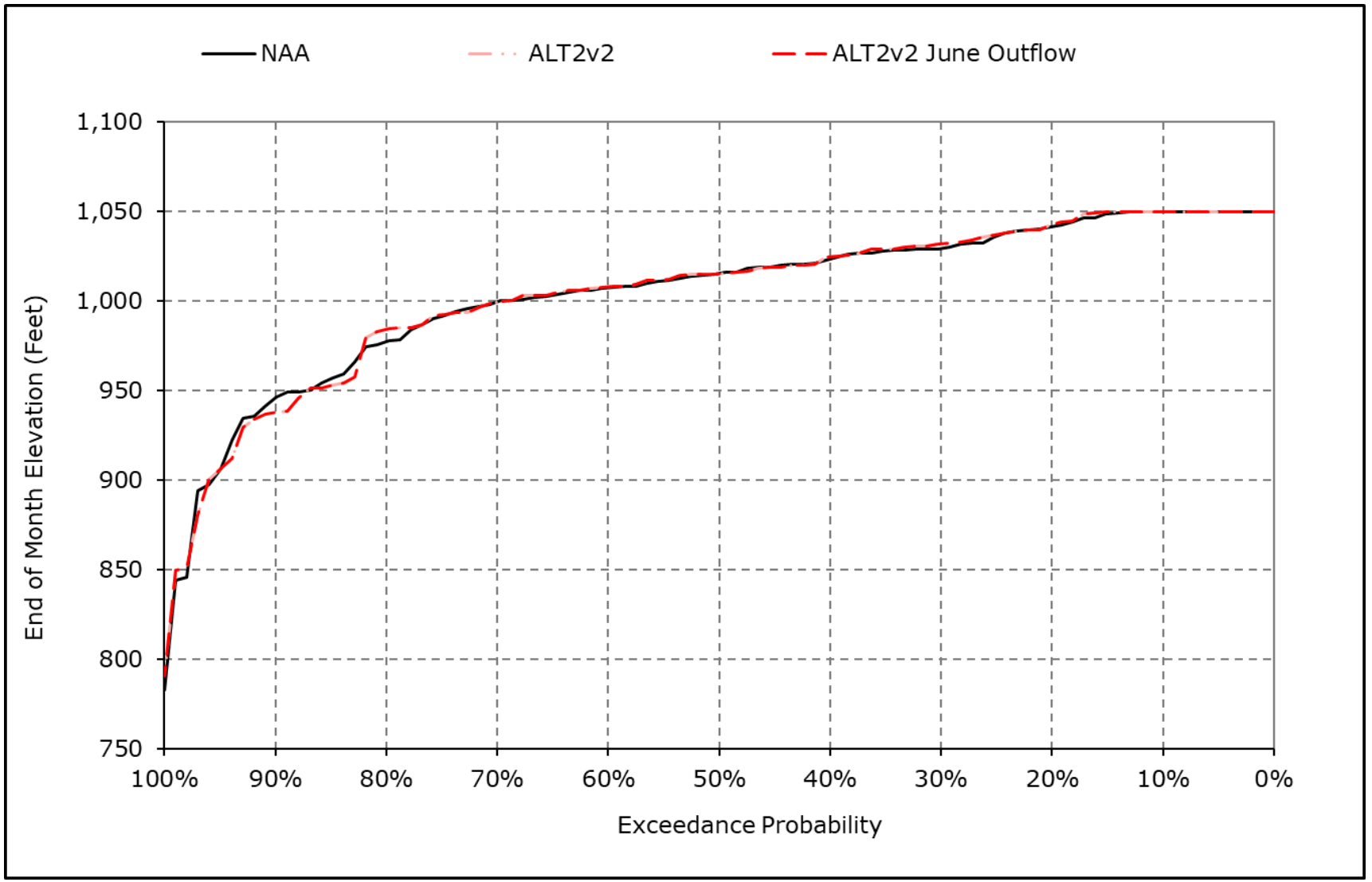
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,050	1,050	1,050	1,050	1,050	1,055	1,066	1,075	1,083	1,076	1,063	1,052
20% Exceedance	1,043	1,048	1,050	1,050	1,050	1,055	1,062	1,065	1,065	1,055	1,050	1,047
30% Exceedance	1,032	1,034	1,039	1,049	1,050	1,055	1,059	1,061	1,055	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.2.1-14-2c. New Melones Reservoir Elevation, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

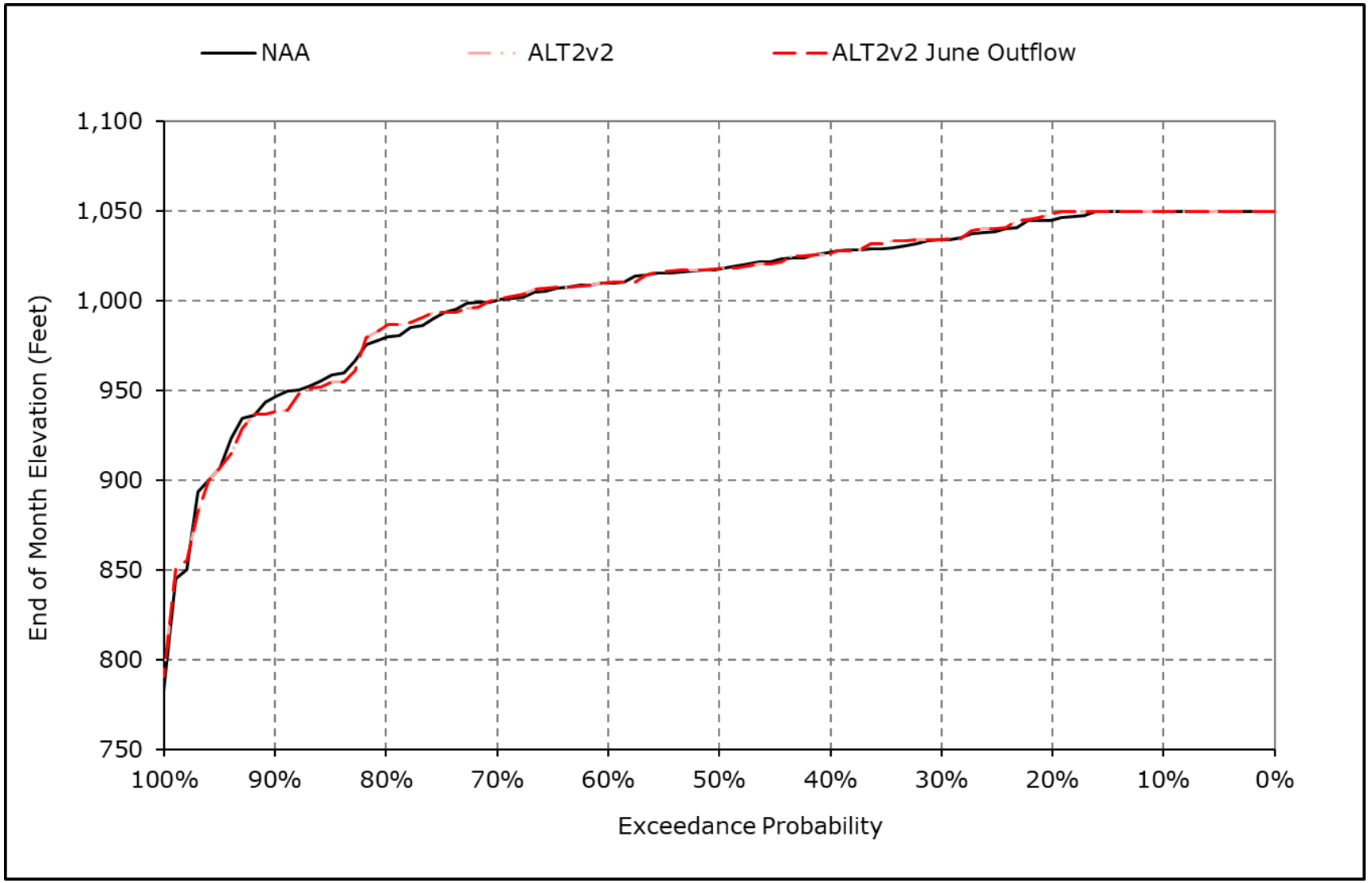
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	2	3	5	0	0
20% Exceedance	1	3	0	0	0	0	0	-1	0	1	3	2
30% Exceedance	3	0	0	1	0	0	1	2	1	2	1	1
40% Exceedance	1	-1	0	2	0	0	0	-1	-3	0	0	0
50% Exceedance	0	0	-1	0	1	-1	-2	-2	-1	-1	0	-1
60% Exceedance	0	1	0	0	-2	0	0	1	2	0	0	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 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.



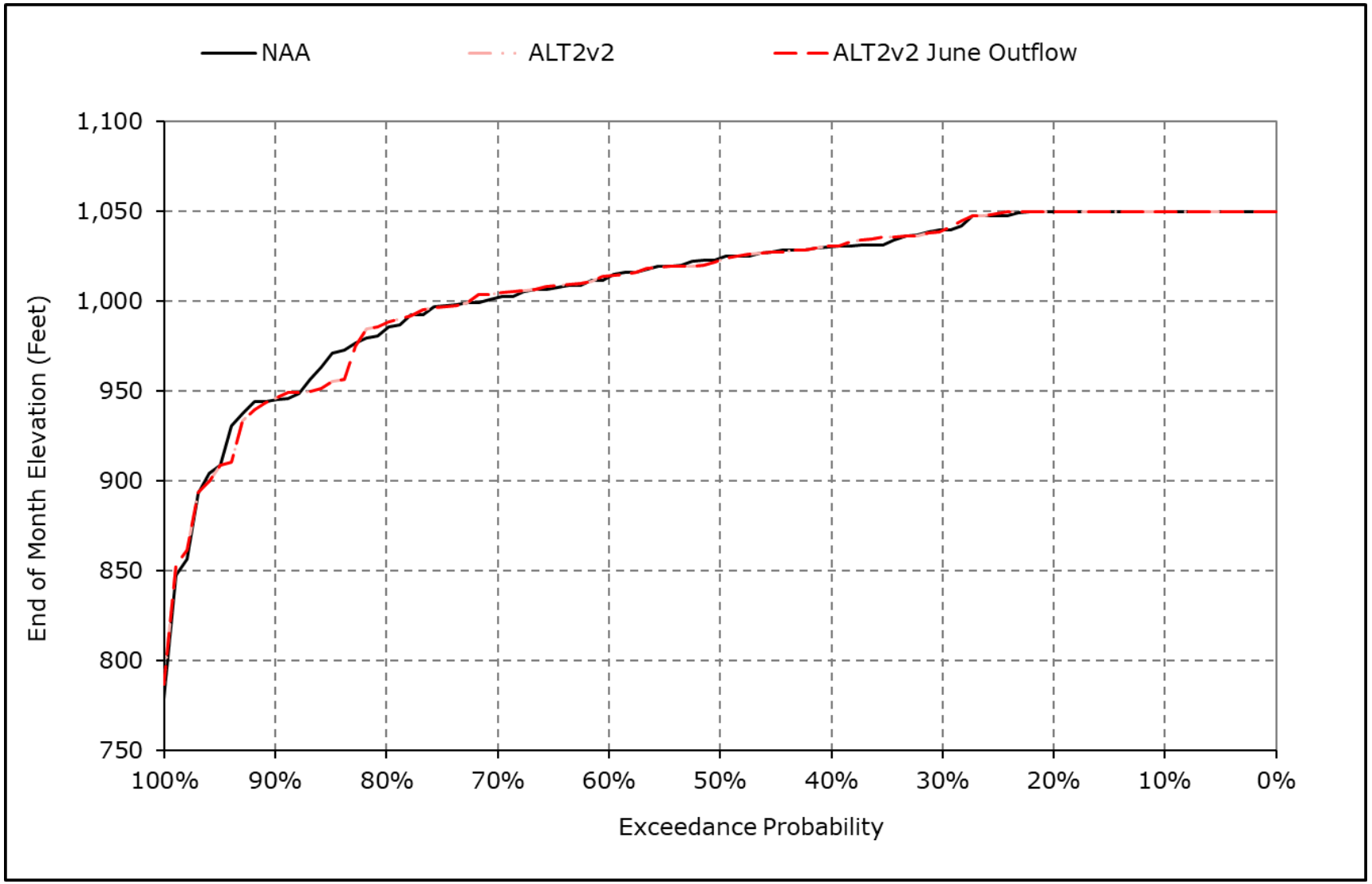
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-1. New Melones Reservoir Elevation, October



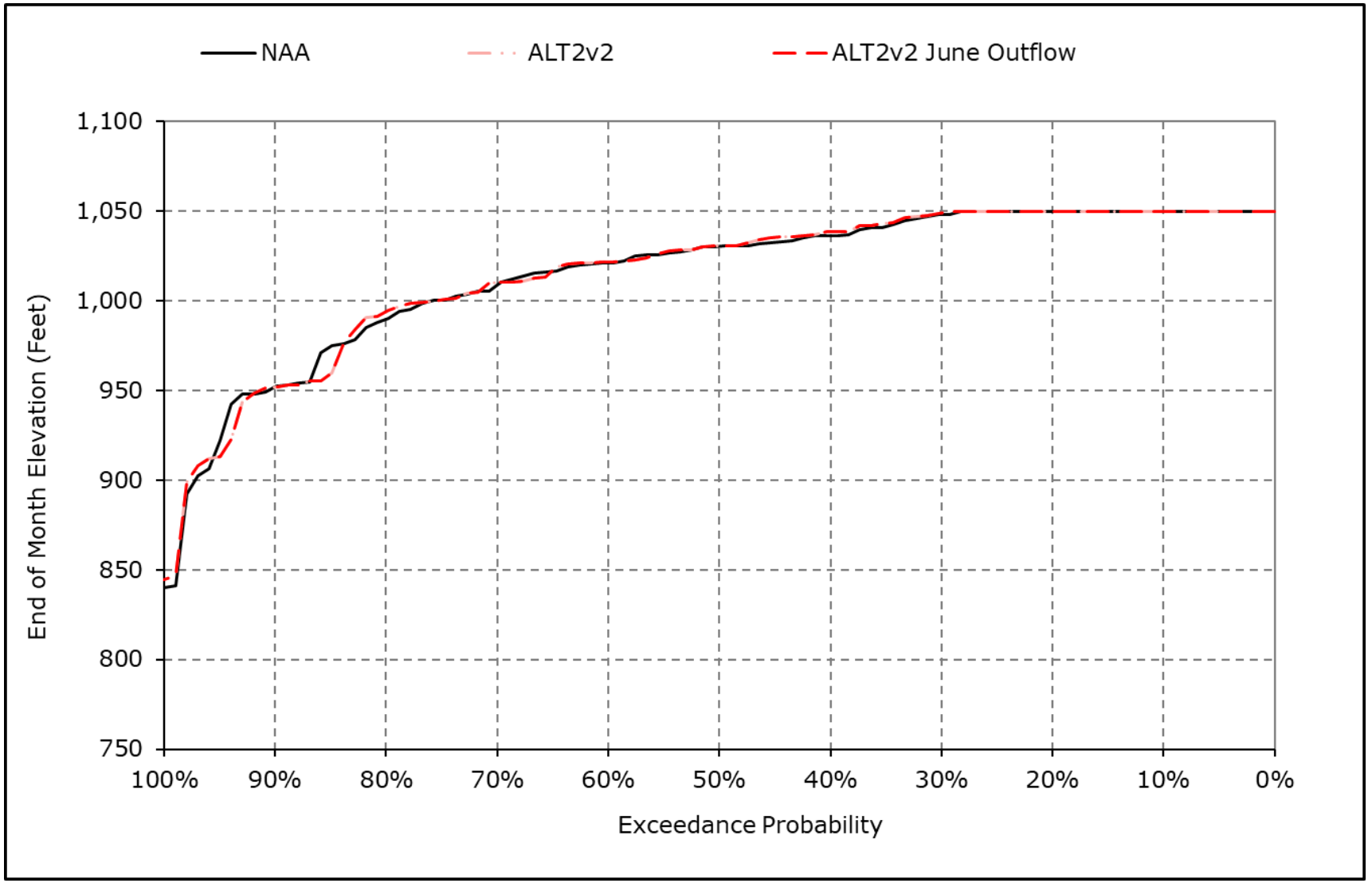
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-2. New Melones Reservoir Elevation, November



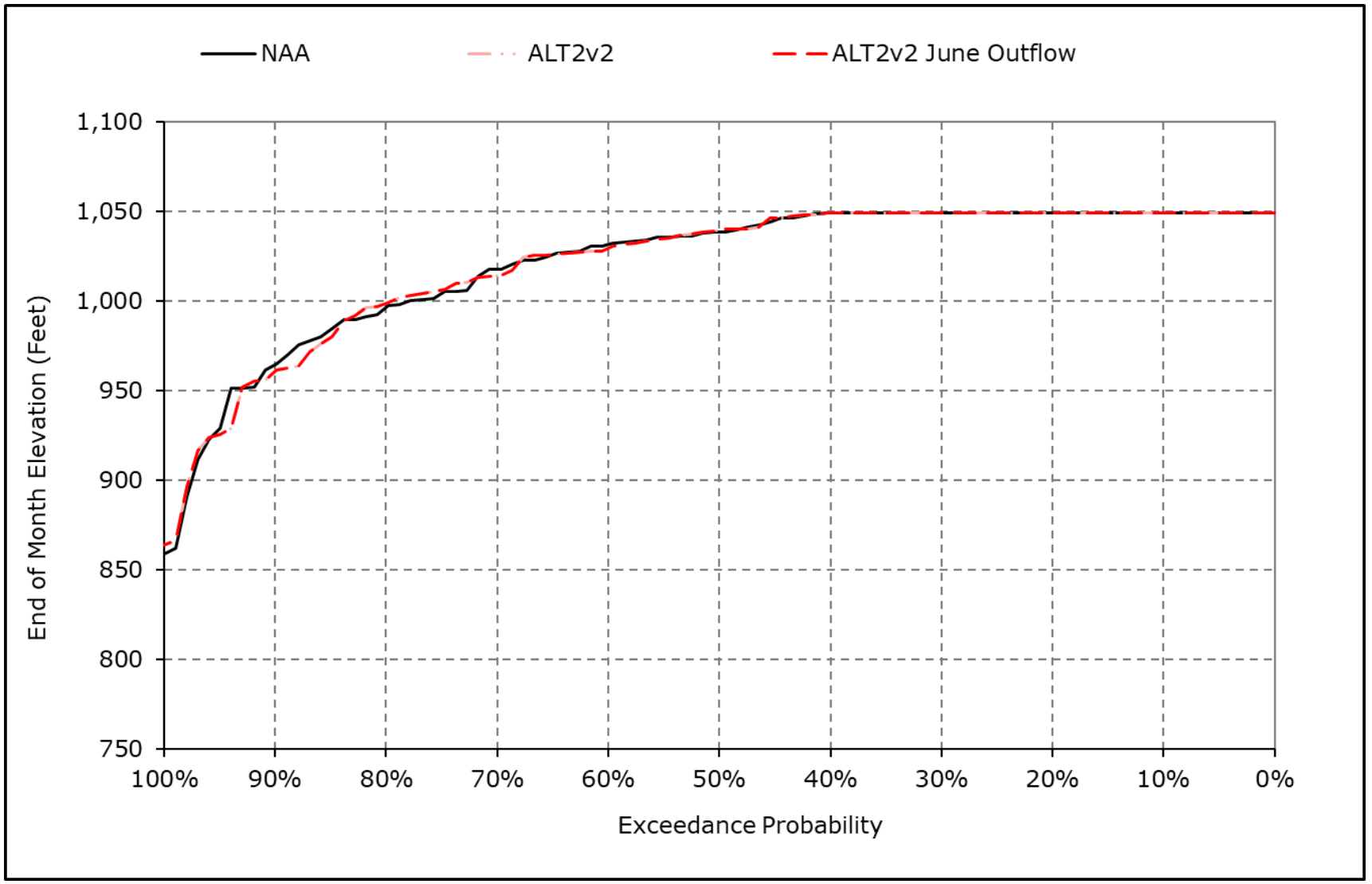
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-3. New Melones Reservoir Elevation, December



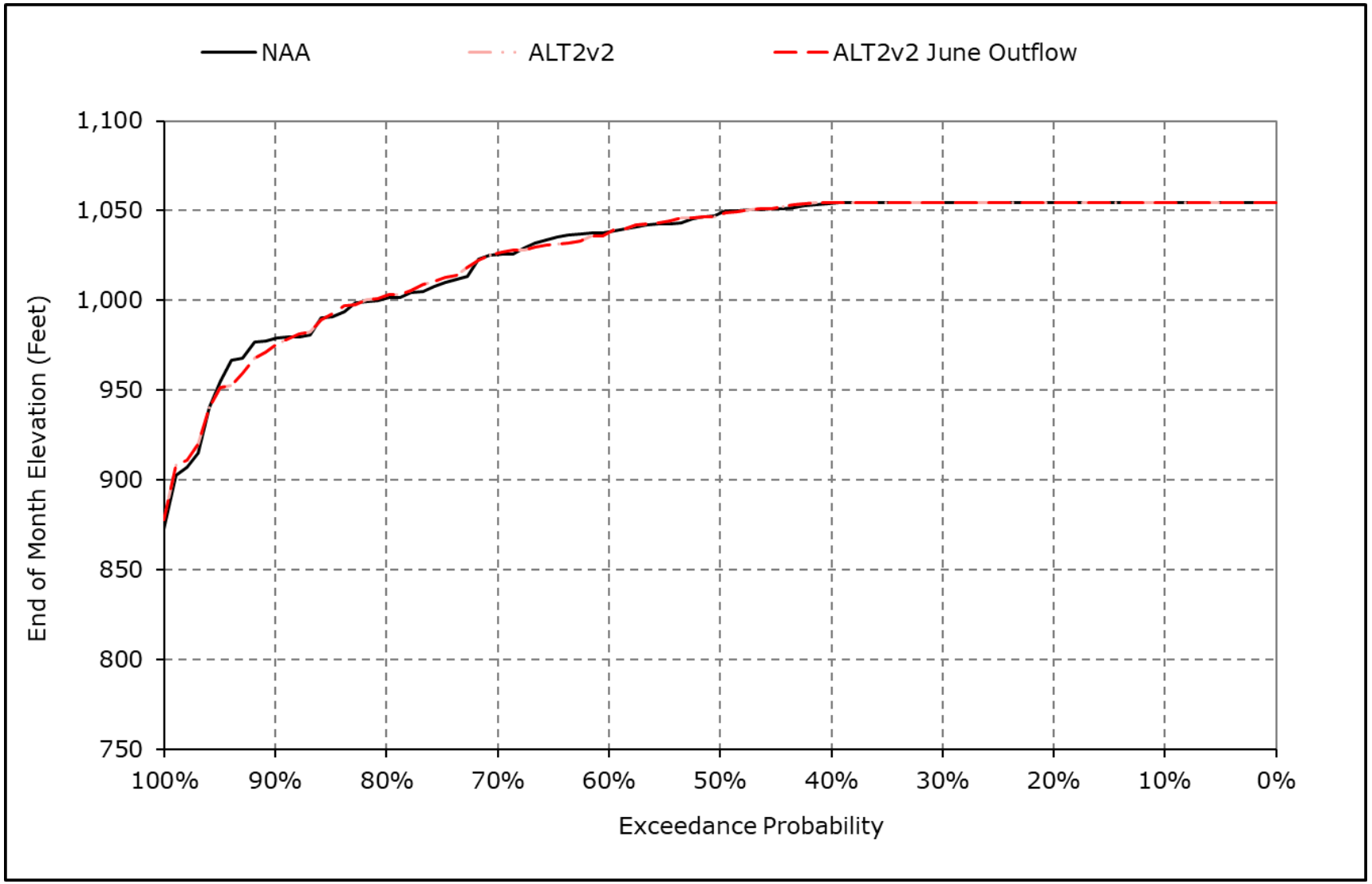
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-4. New Melones Reservoir Elevation, January



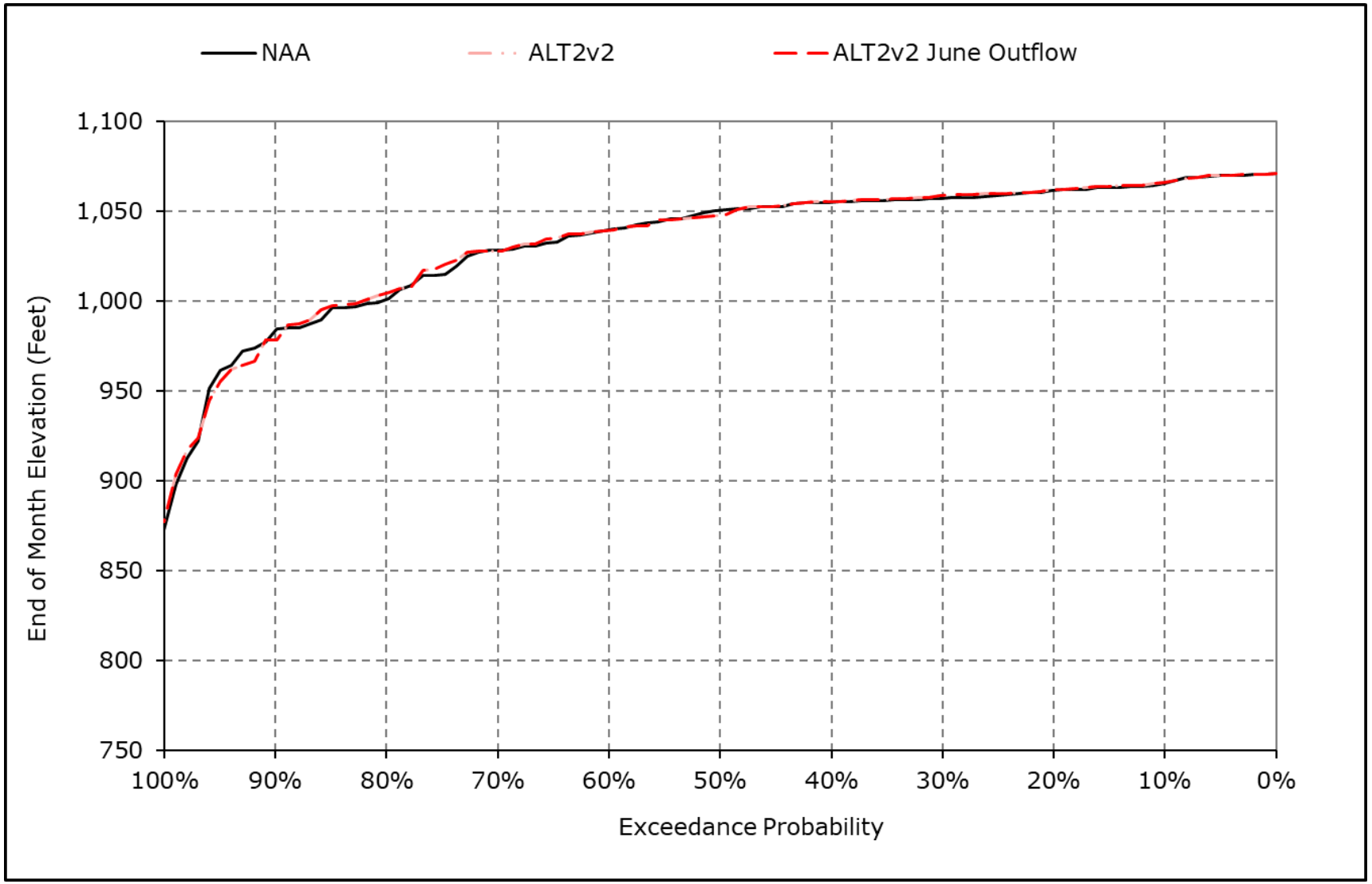
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-5. New Melones Reservoir Elevation, February



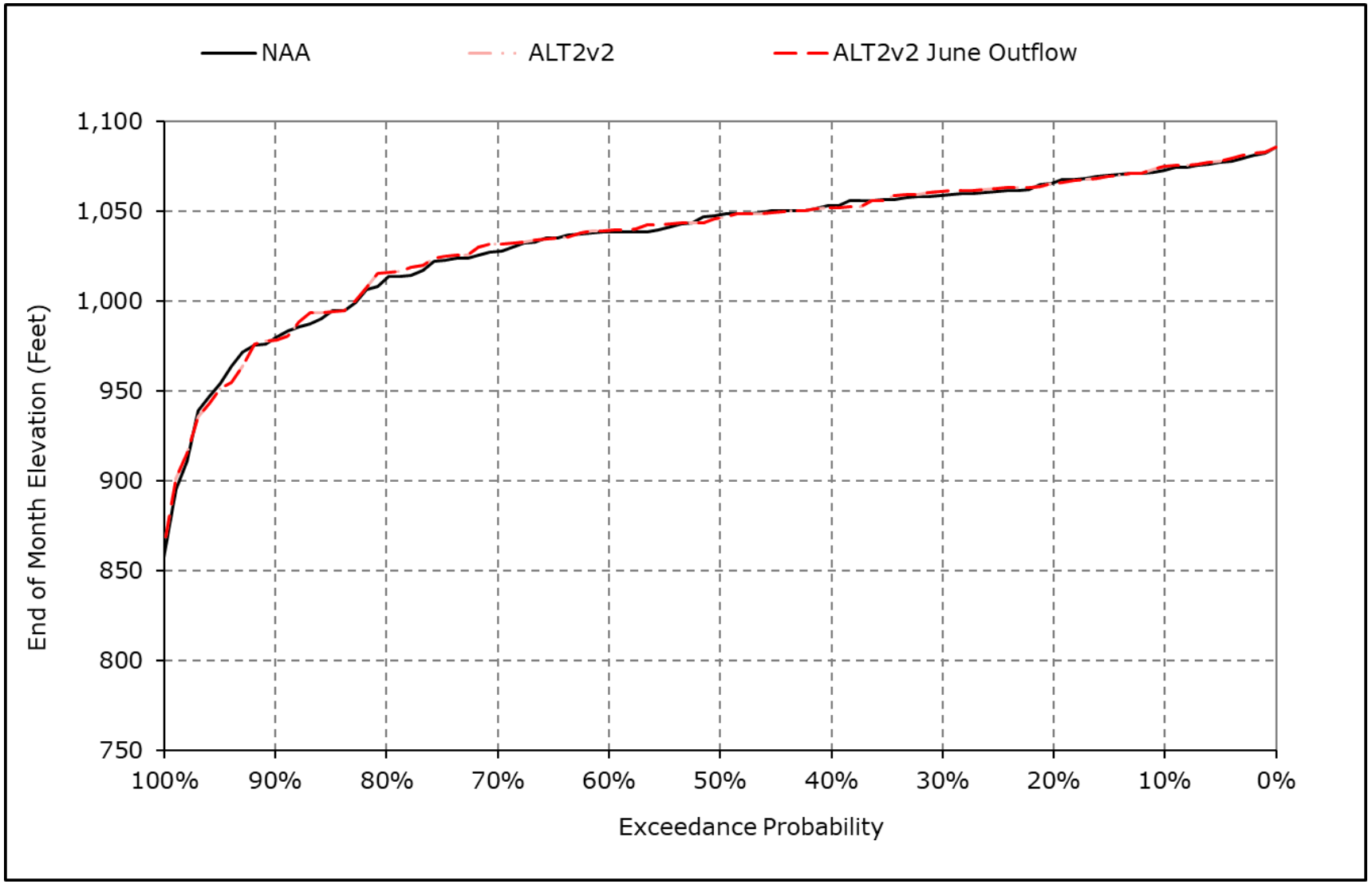
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-6. New Melones Reservoir Elevation, March



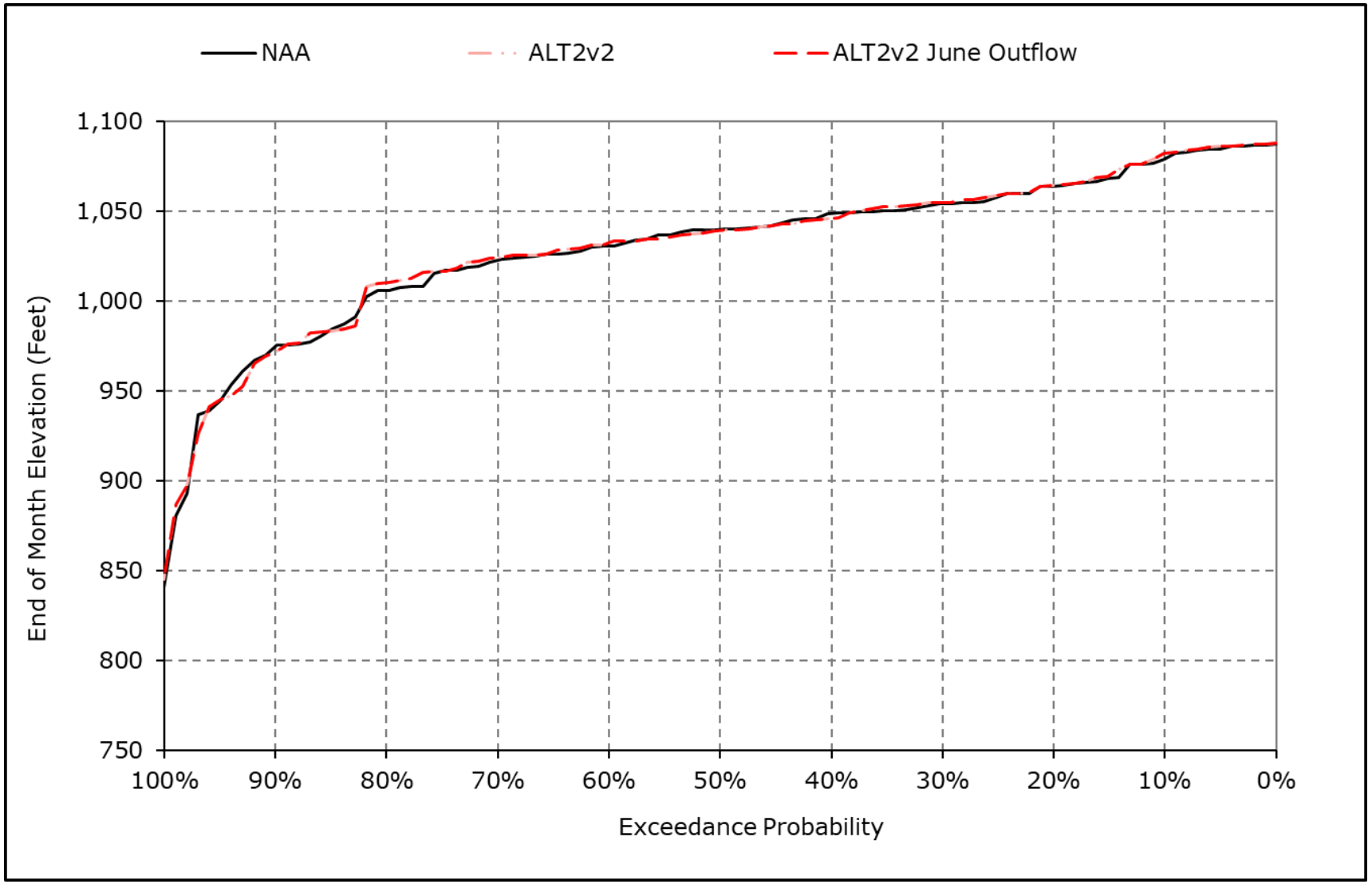
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-7. New Melones Reservoir Elevation, April



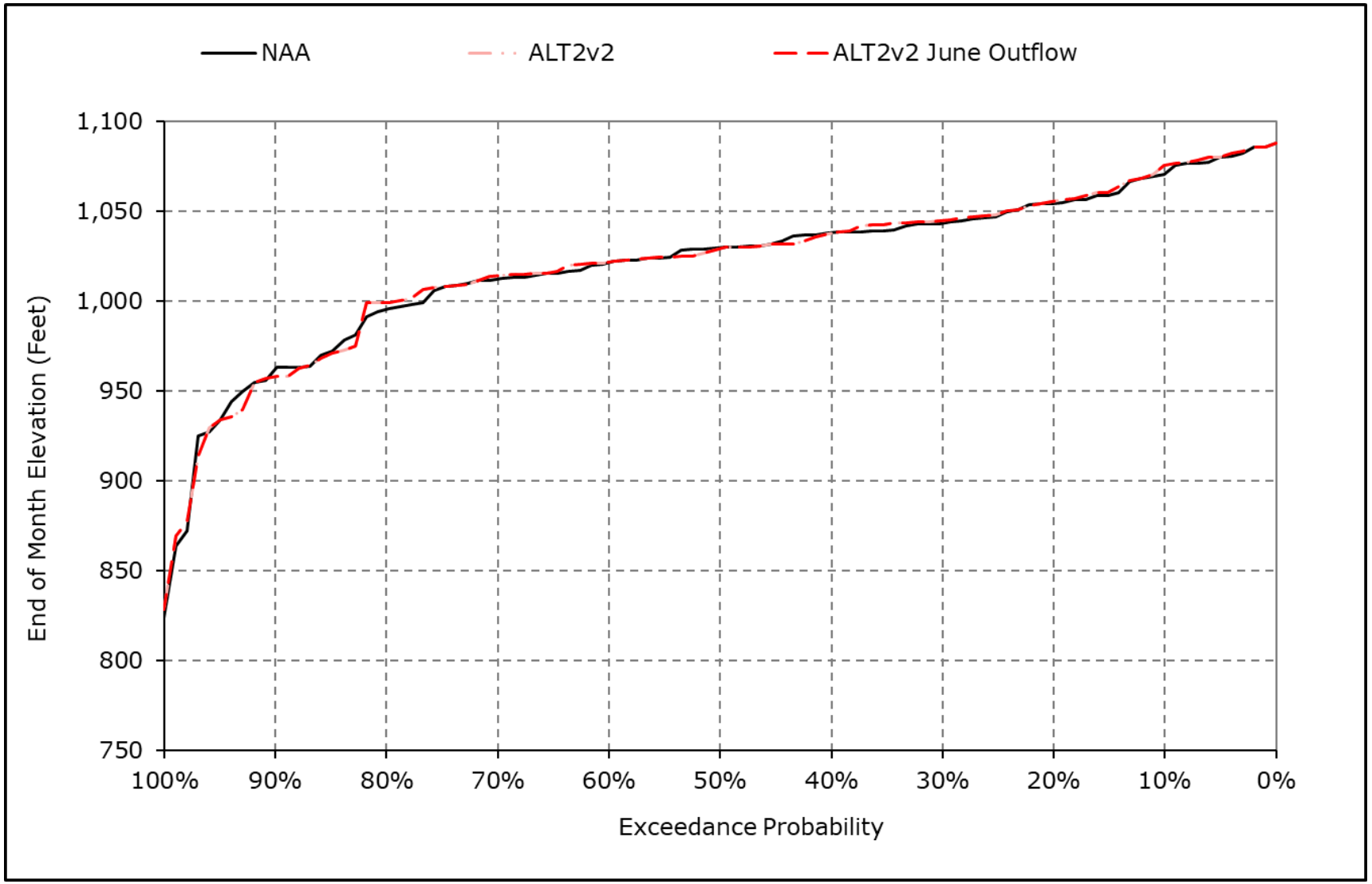
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-8. New Melones Reservoir Elevation, May



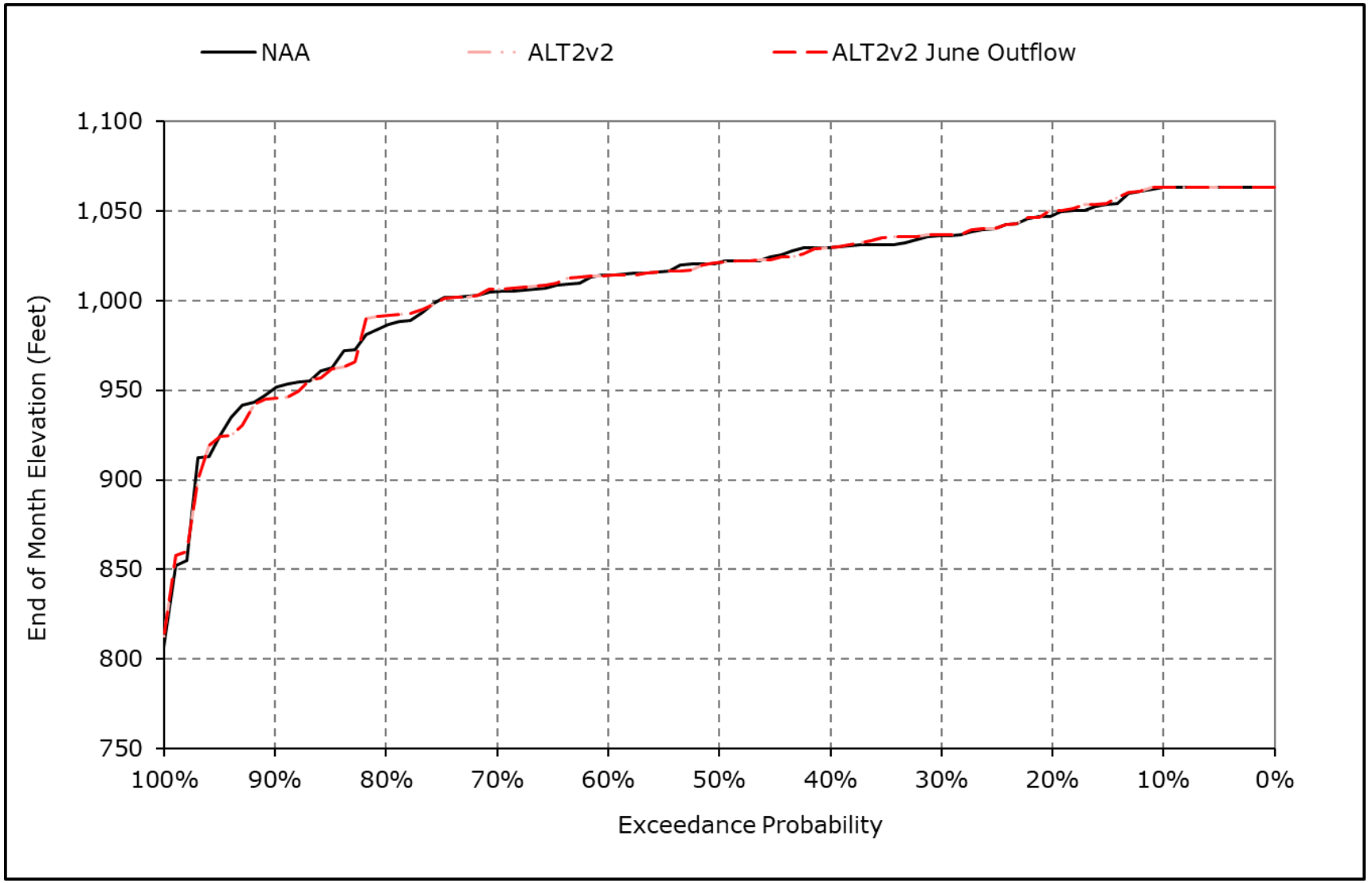
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-14-9. New Melones Reservoir Elevation, June



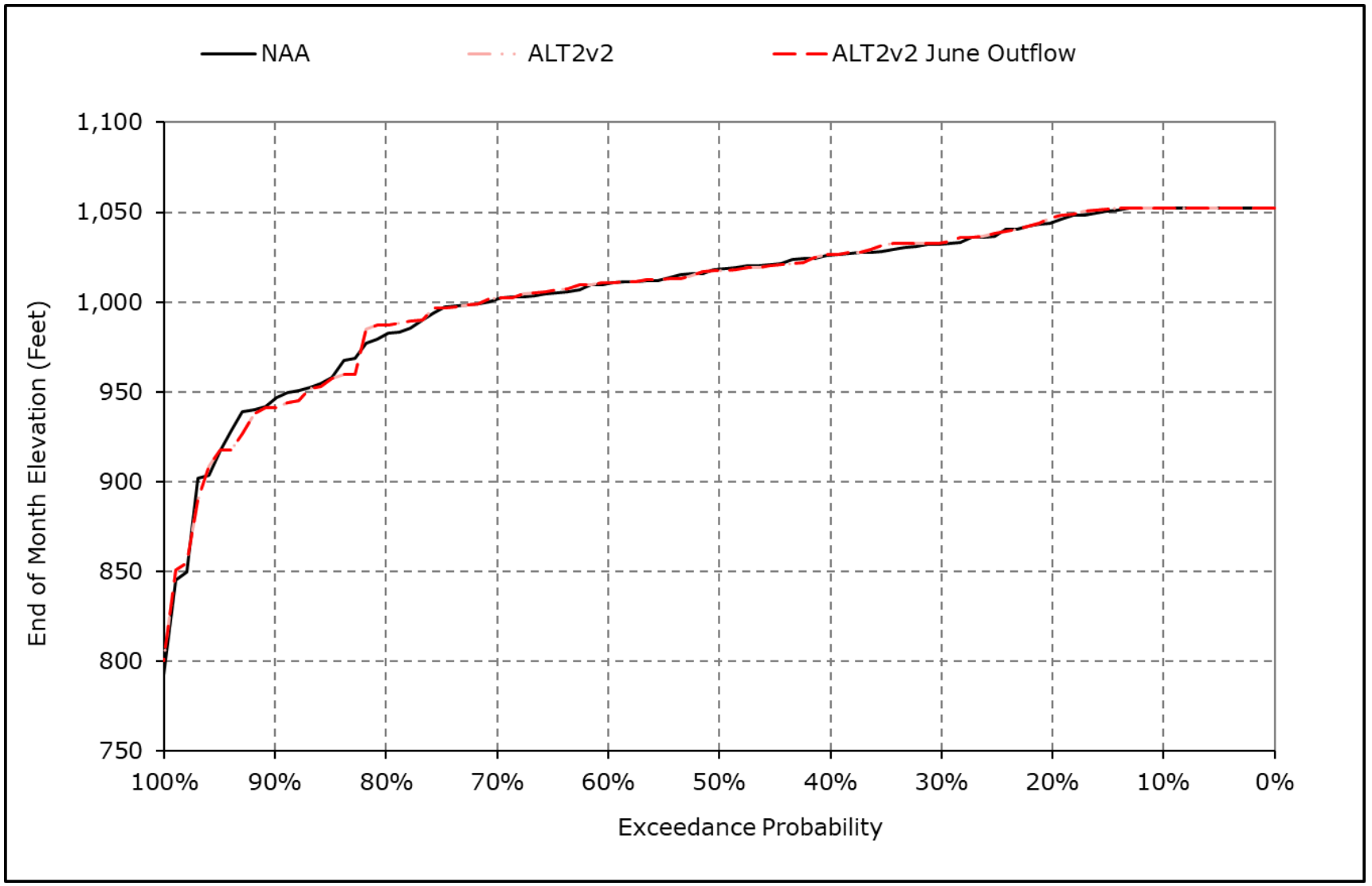
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-15-1c. Millerton Lake Storage, ALT2v2 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.2.1-15-2a. 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, ALT2v2 June Outflow, End-of-Month Storage (TAF)

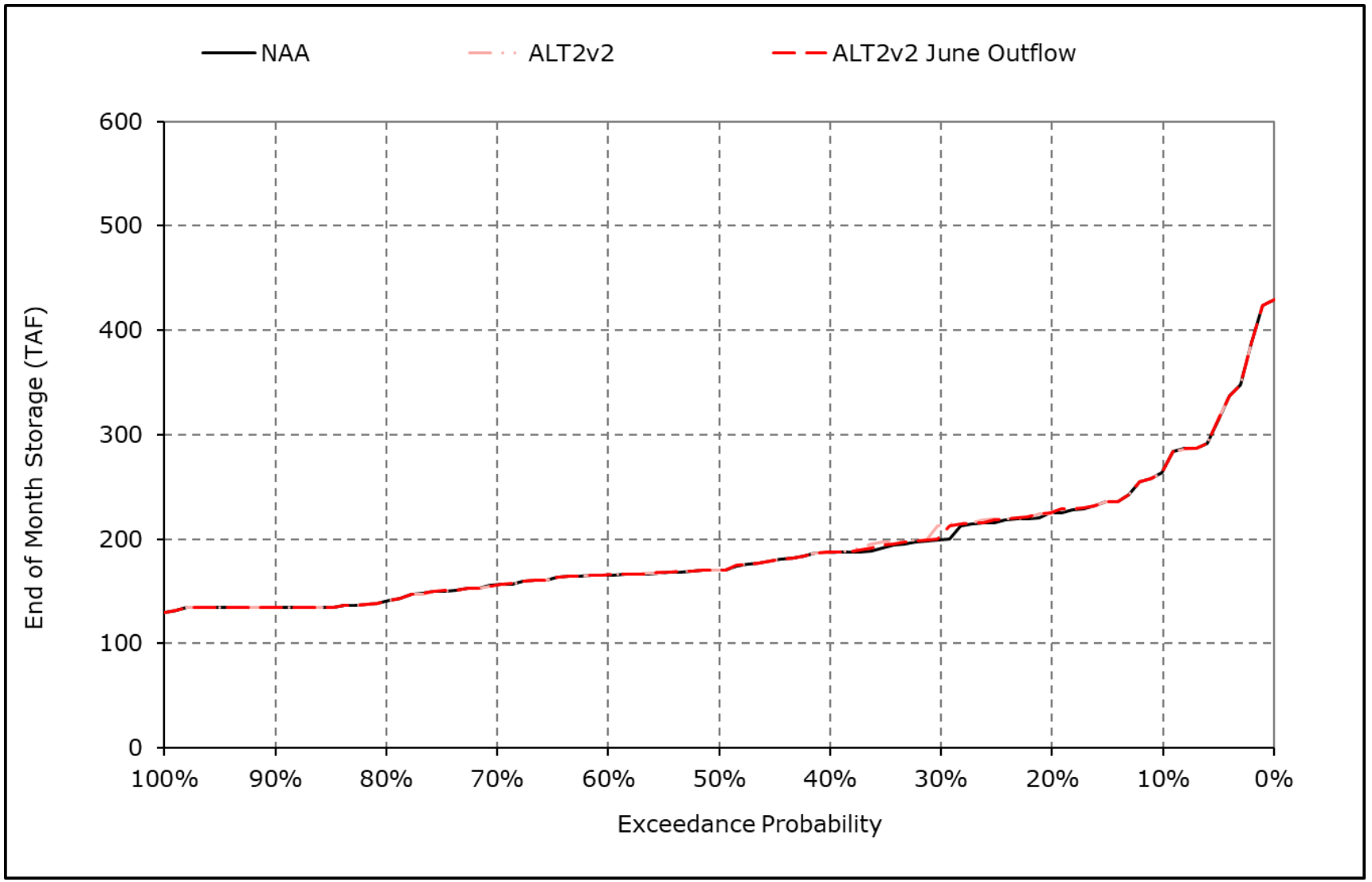
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	298	374	438	439	478	487	524	524	393	270	239
20% Exceedance	226	266	333	432	439	456	448	524	505	352	222	207
30% Exceedance	204	228	291	379	436	451	413	504	481	309	201	187
40% Exceedance	187	203	248	344	416	441	381	460	418	254	178	177
50% Exceedance	170	180	222	301	373	396	358	413	360	228	168	169
60% Exceedance	166	162	209	276	322	339	321	381	331	212	160	166
70% Exceedance	156	146	185	237	279	294	290	349	298	190	150	160
80% Exceedance	141	135	163	201	253	225	252	312	255	163	136	155
90% Exceedance	135	135	148	161	180	157	198	281	222	146	135	141
Full Simulation Period Average[a]	192	202	246	305	341	354	347	406	373	259	189	188
Wet Water Years (22%)	273	281	314	388	411	443	365	467	506	388	275	262
Above Normal Water Years (12%)	196	225	295	365	418	448	402	479	463	308	199	174
Below Normal Water Years (15%)	196	224	274	360	428	440	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.2.1-15-2c. Millerton Lake Storage, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Storage (TAF)

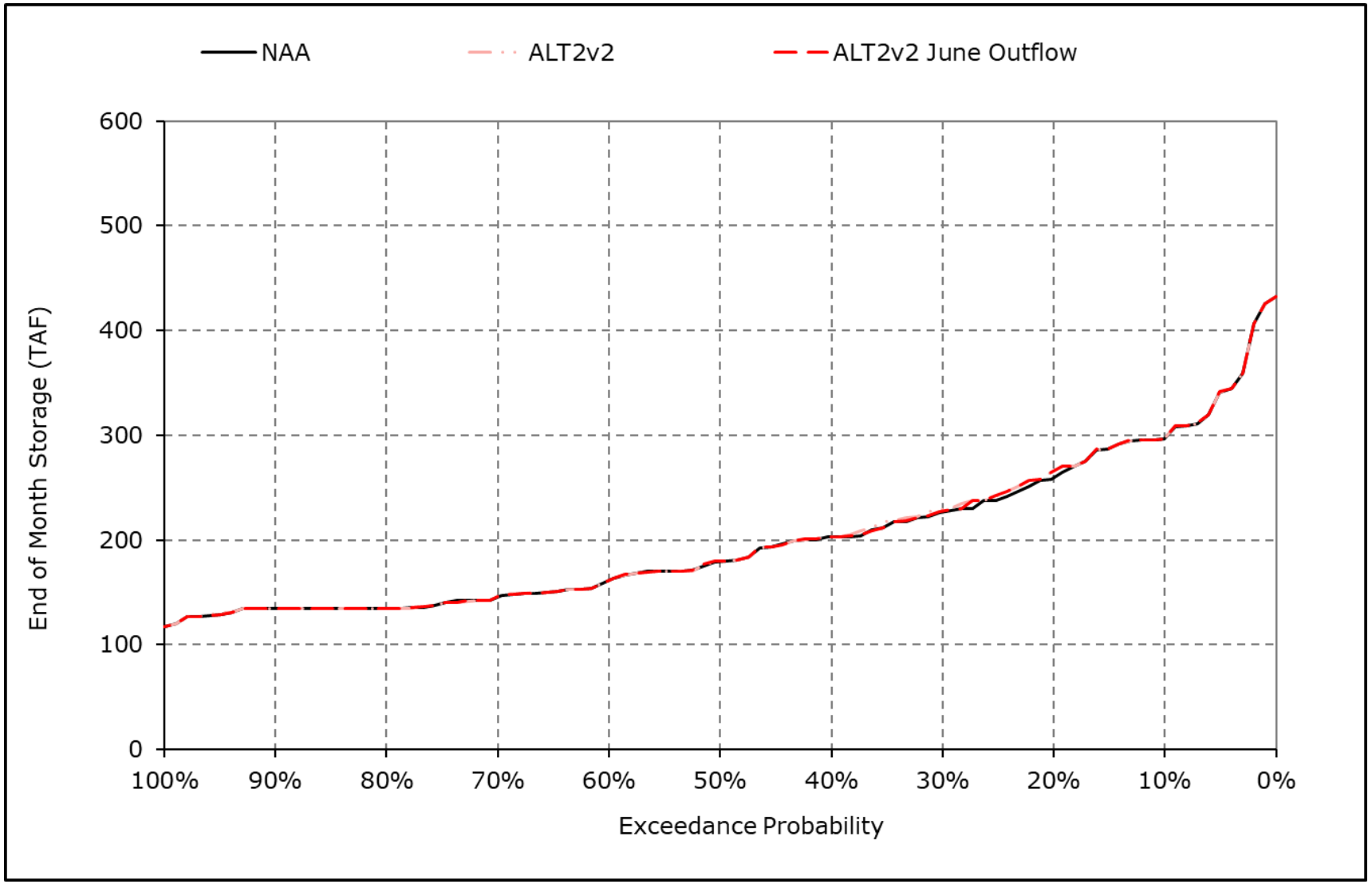
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	1	6	0	0	0	0	2	0	0	0	0	0
30% Exceedance	5	1	4	0	0	0	1	2	0	0	0	2
40% Exceedance	0	0	0	0	0	0	1	3	0	0	1	1
50% Exceedance	0	0	0	2	3	0	0	4	0	0	1	0
60% Exceedance	0	0	0	0	1	2	0	2	0	0	1	1
70% Exceedance	0	0	0	0	-2	1	1	0	1	0	0	0
80% Exceedance	0	0	0	0	0	0	4	1	0	0	1	0
90% Exceedance	0	0	0	0	0	0	0	0	0	2	0	0
Full Simulation Period Average[a]	1	1	1	1	0	1	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%)	3	3	3	0	0	0	0	1	2	3	3	4
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	3	3	3	3	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.



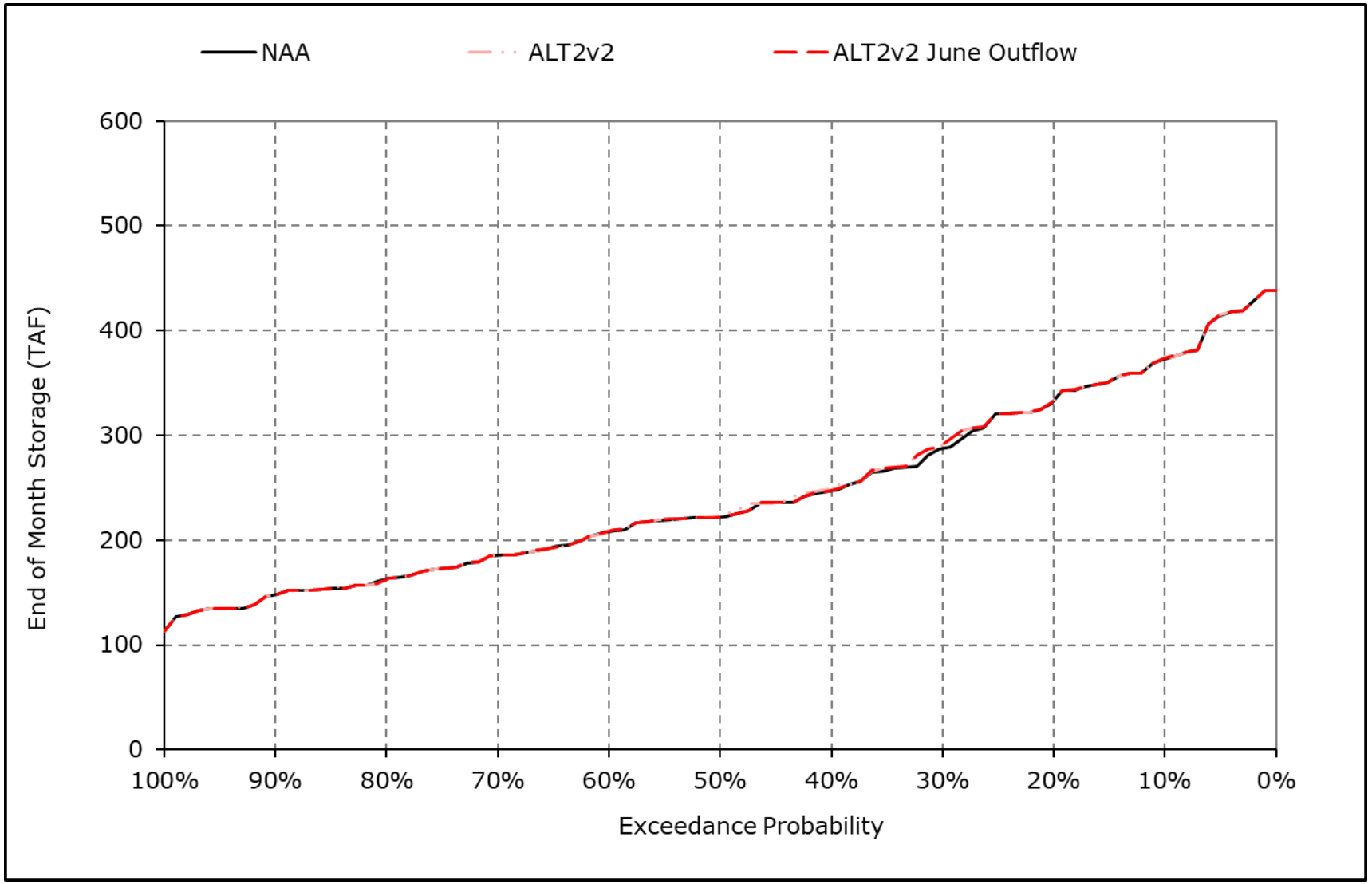
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-1. Millerton Lake Storage, October



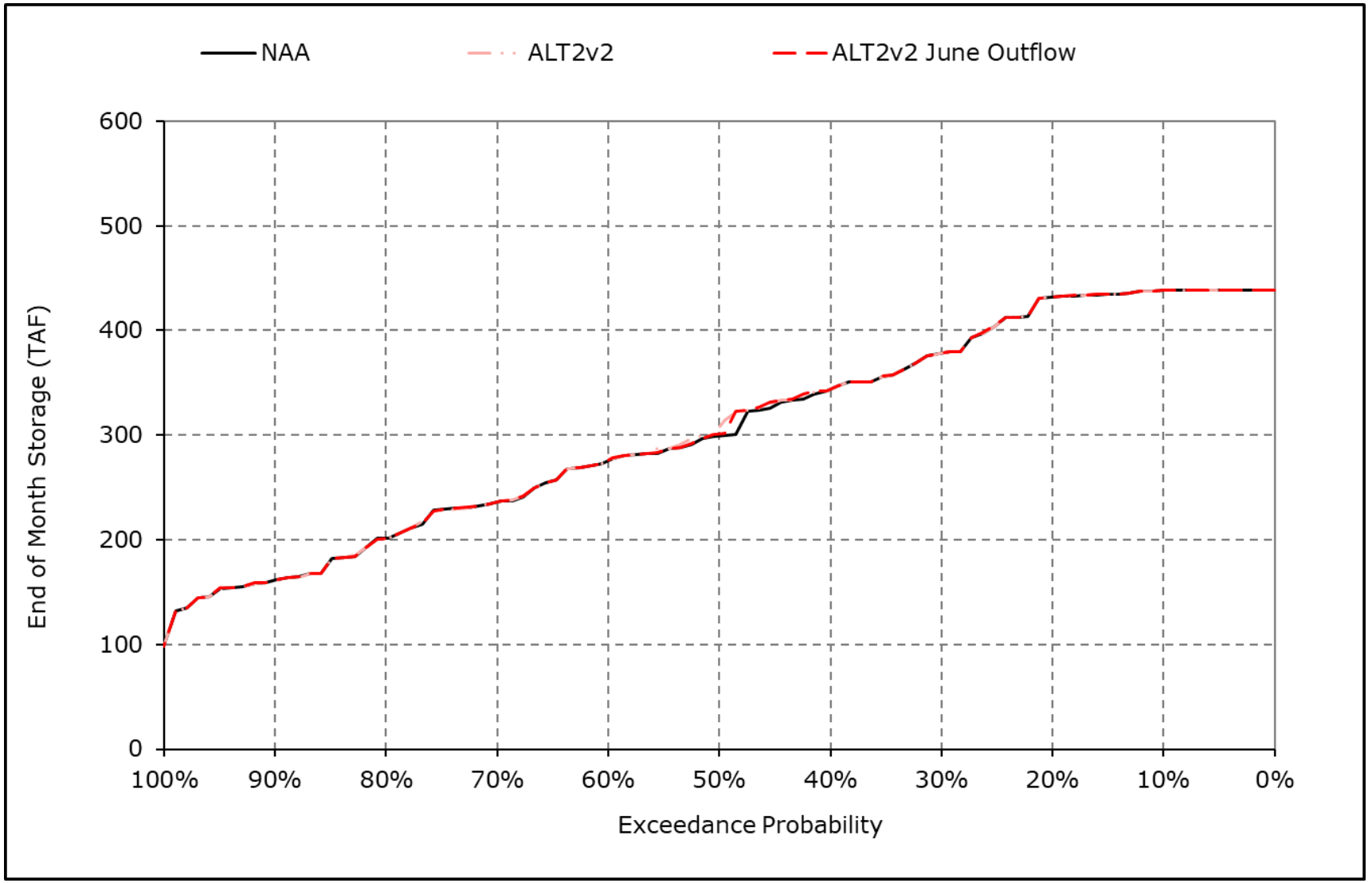
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-2. Millerton Lake Storage, November



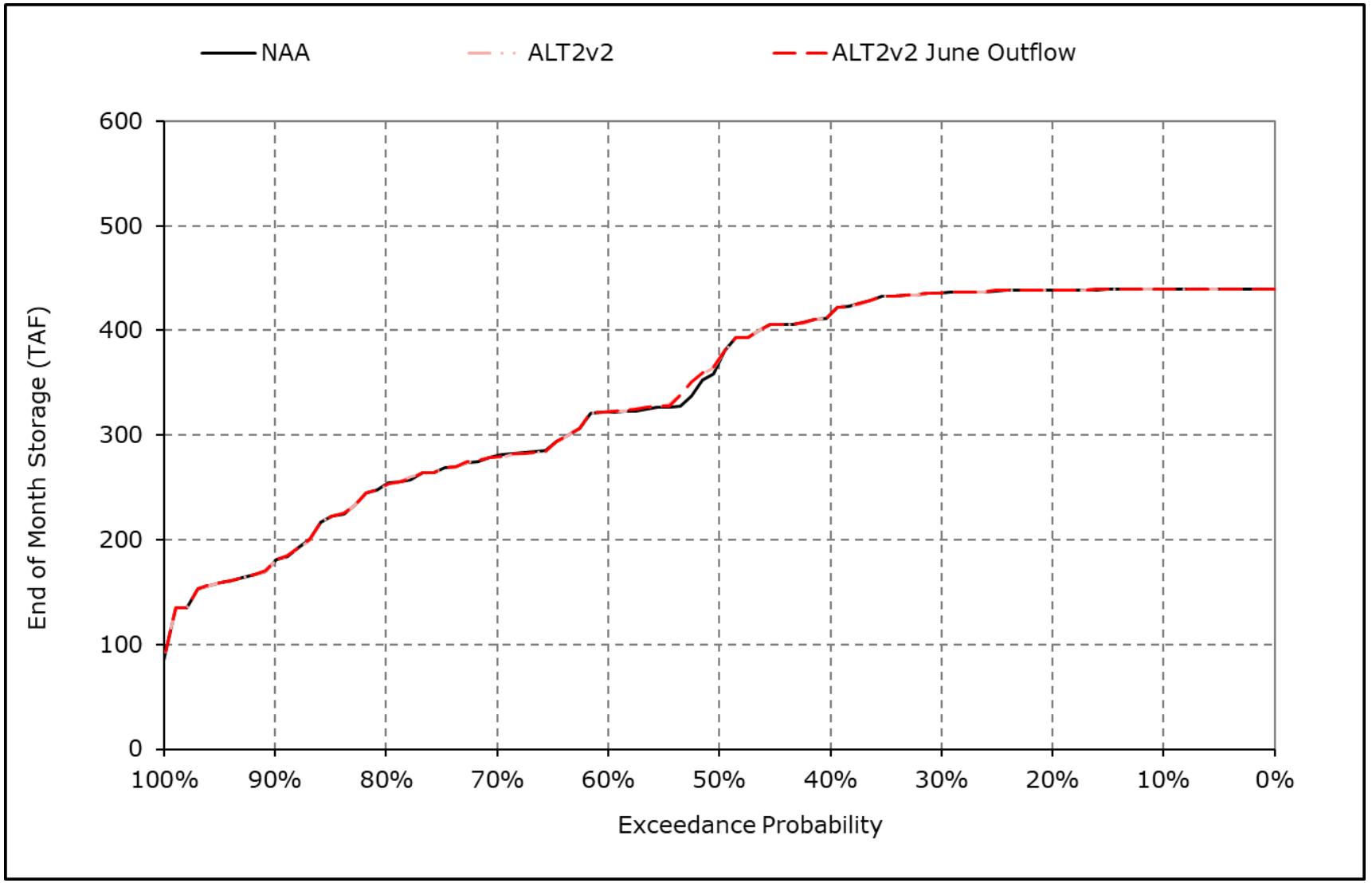
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-3. Millerton Lake Storage, December



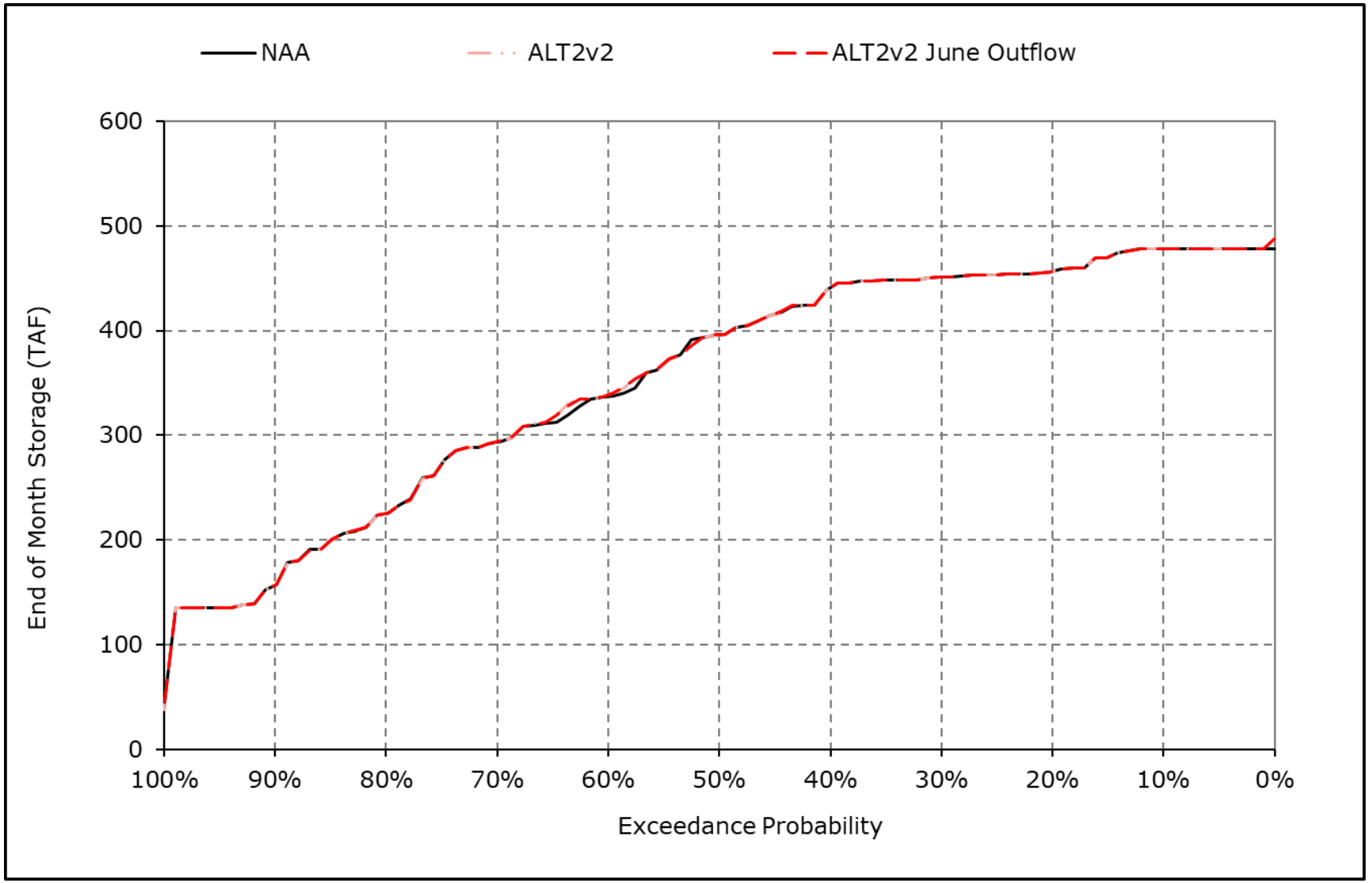
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-4. Millerton Lake Storage, January



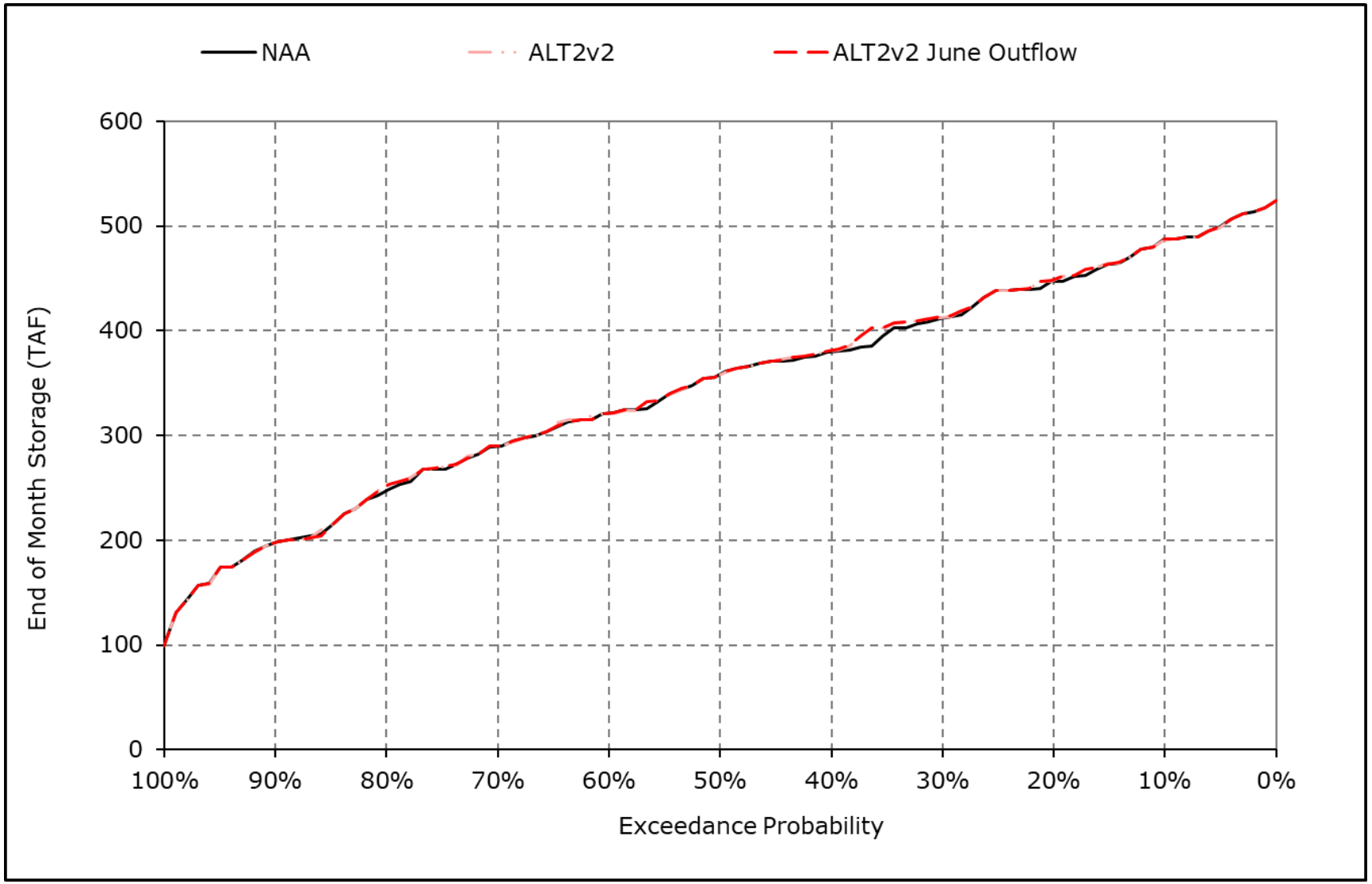
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-5. Millerton Lake Storage, February



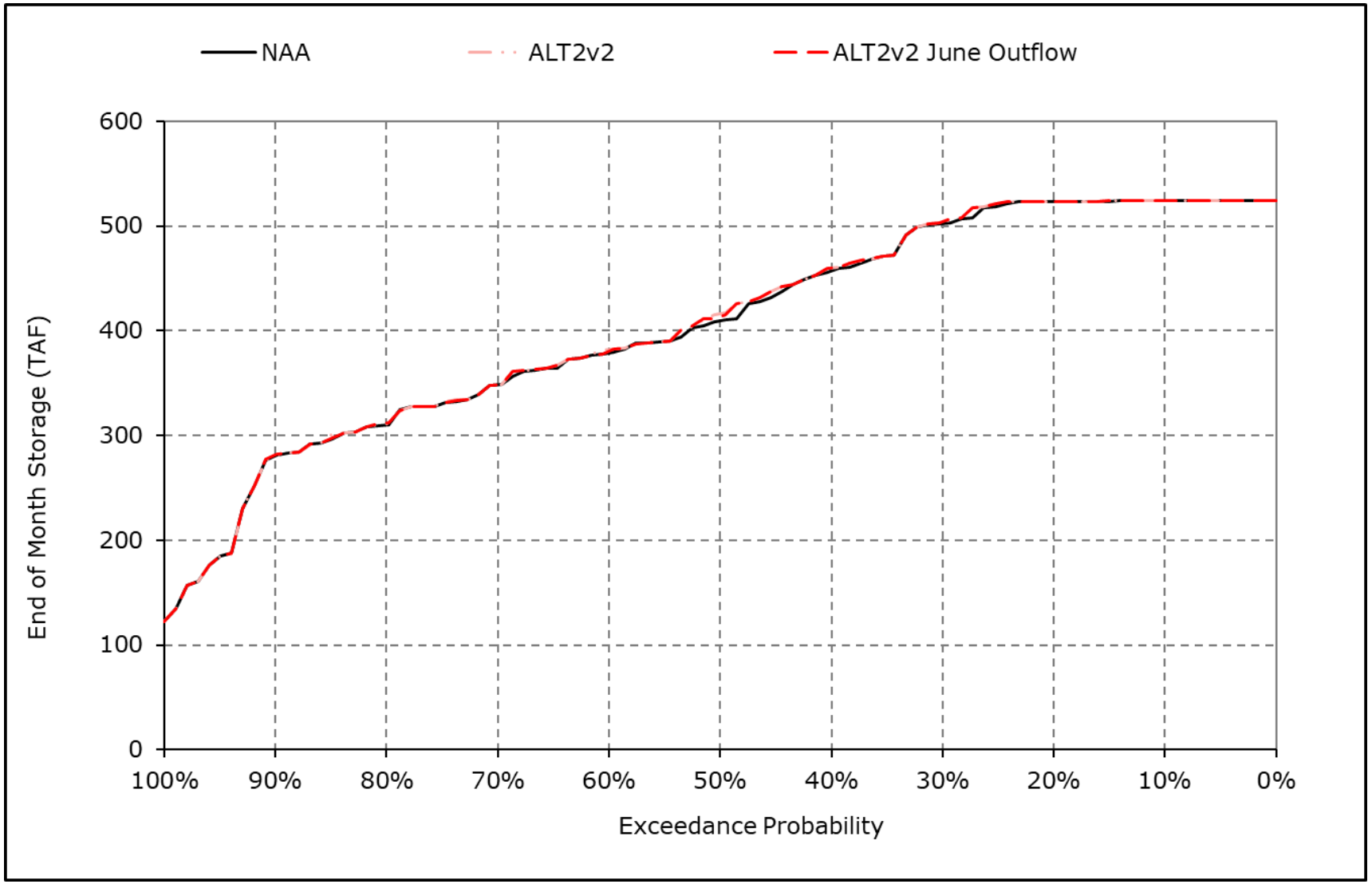
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-6. Millerton Lake Storage, March



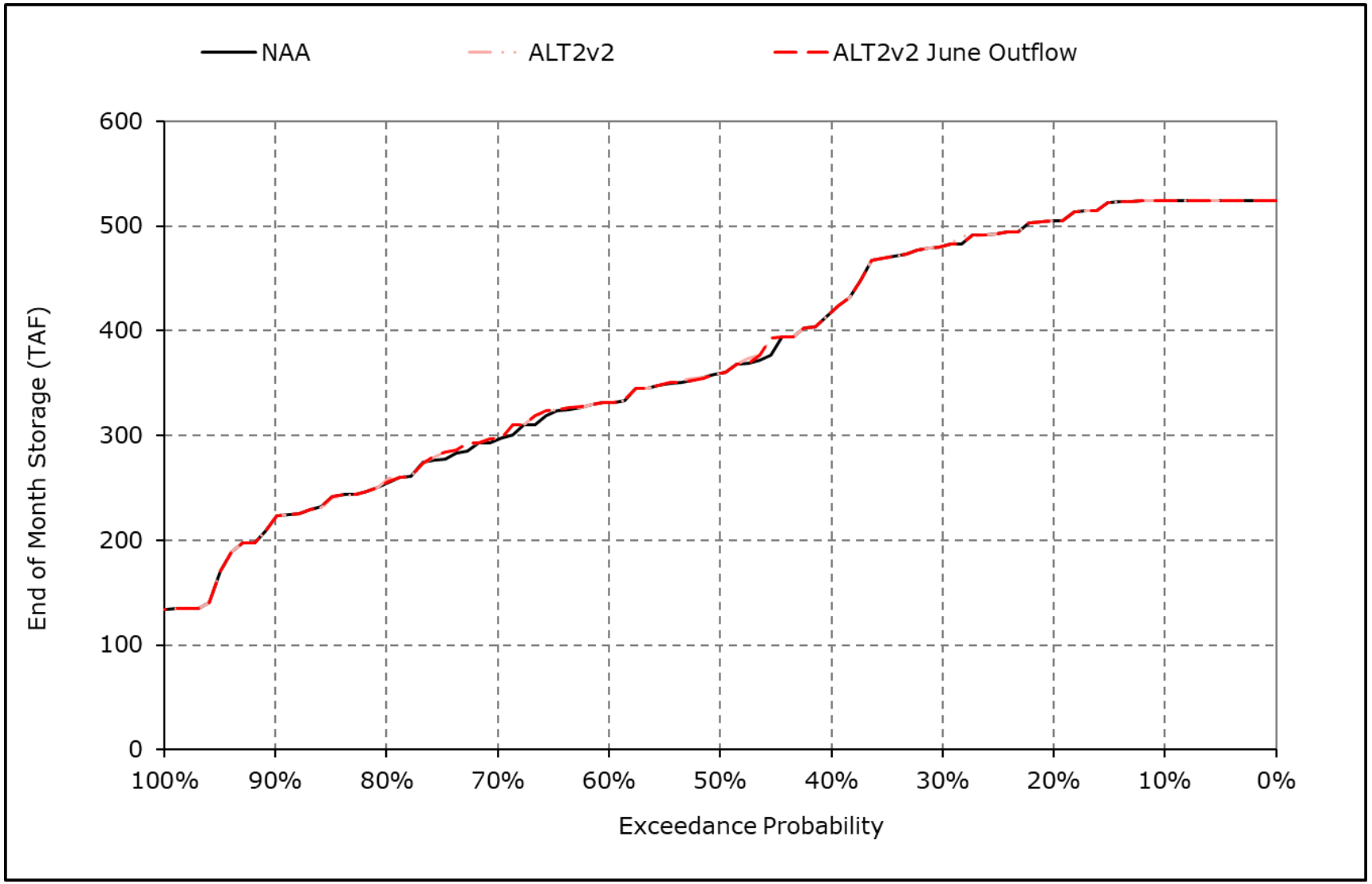
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-7. Millerton Lake Storage, April



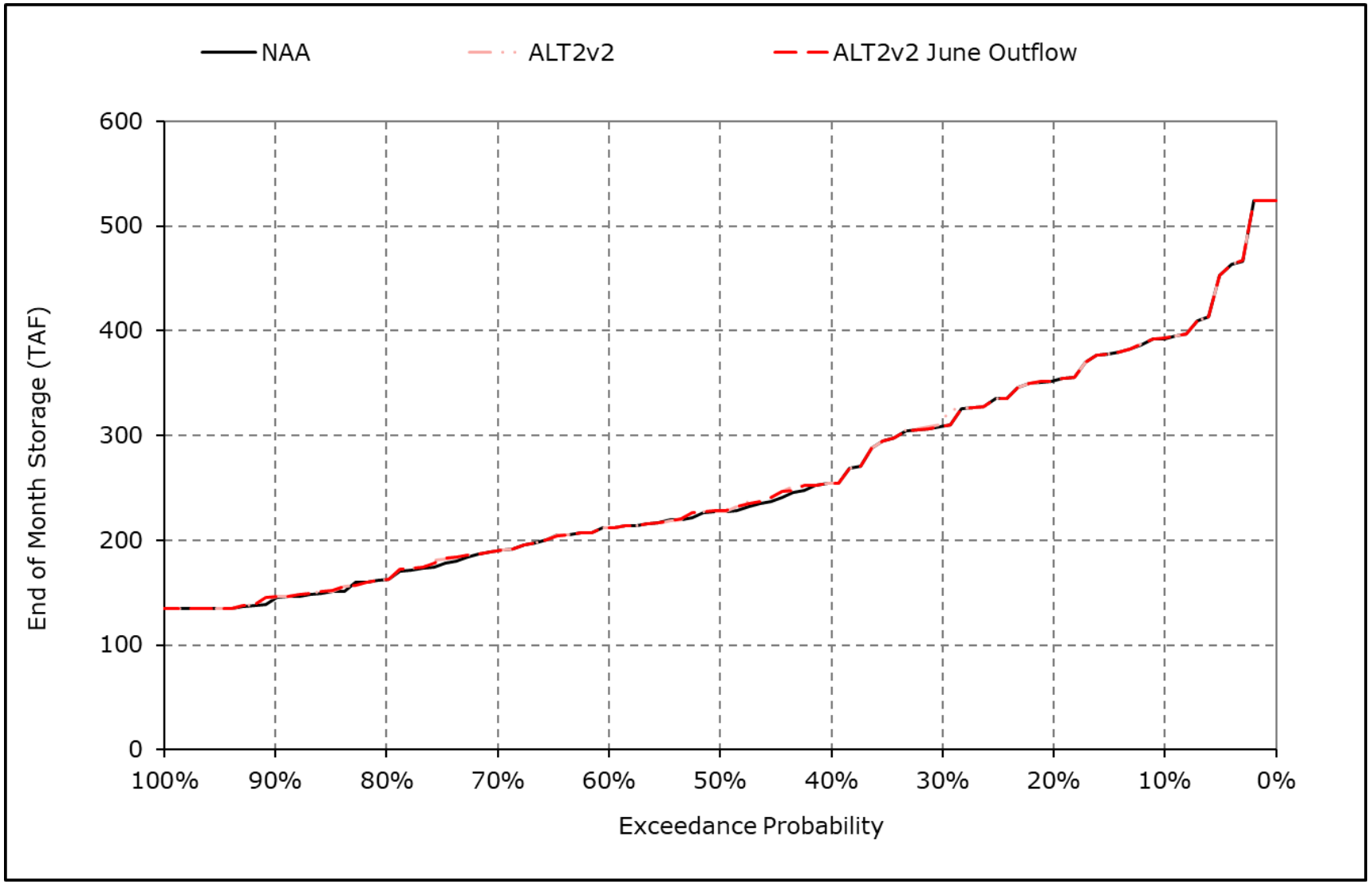
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-8. Millerton Lake Storage, May



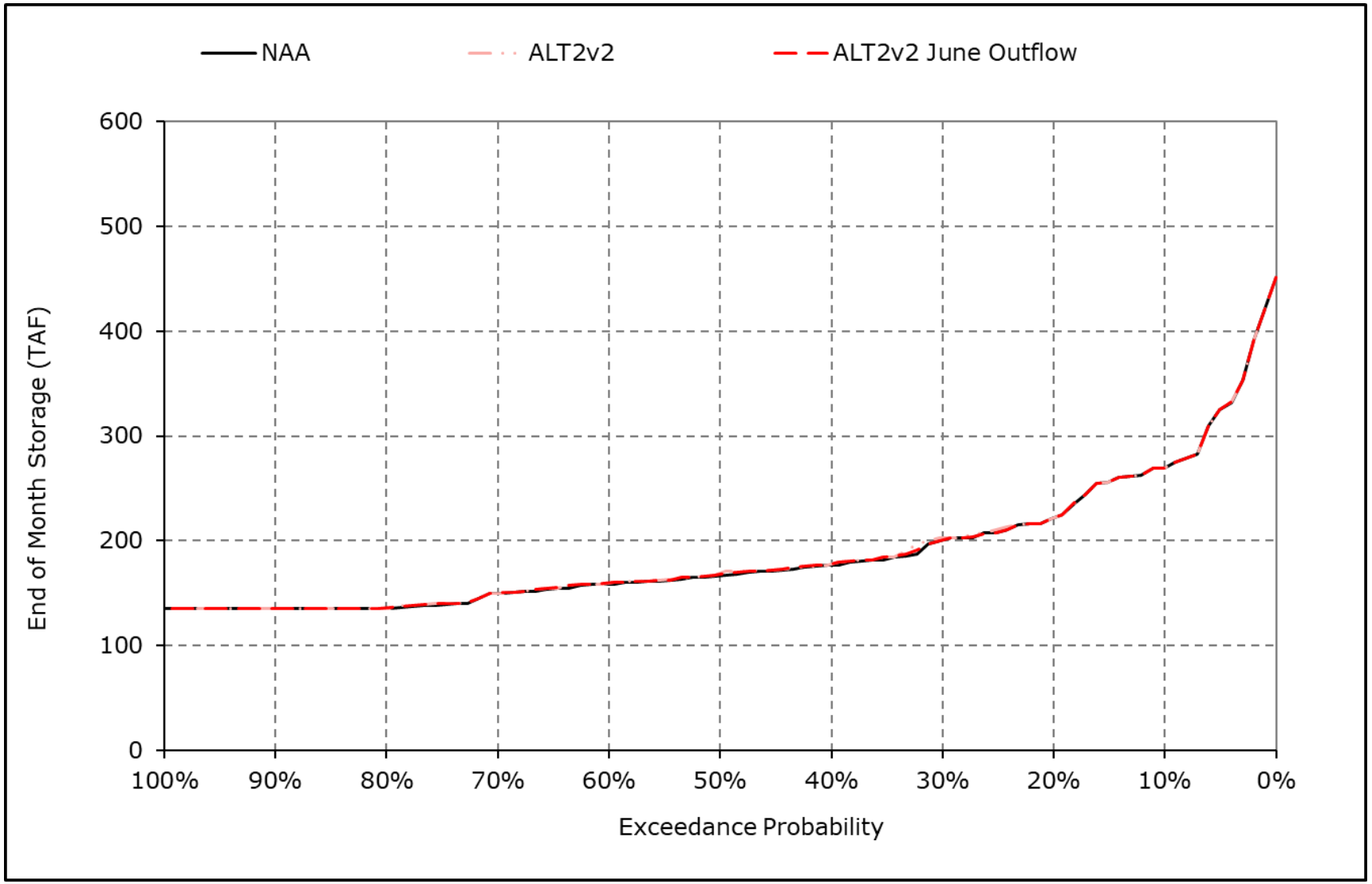
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-15-9. Millerton Lake Storage, June



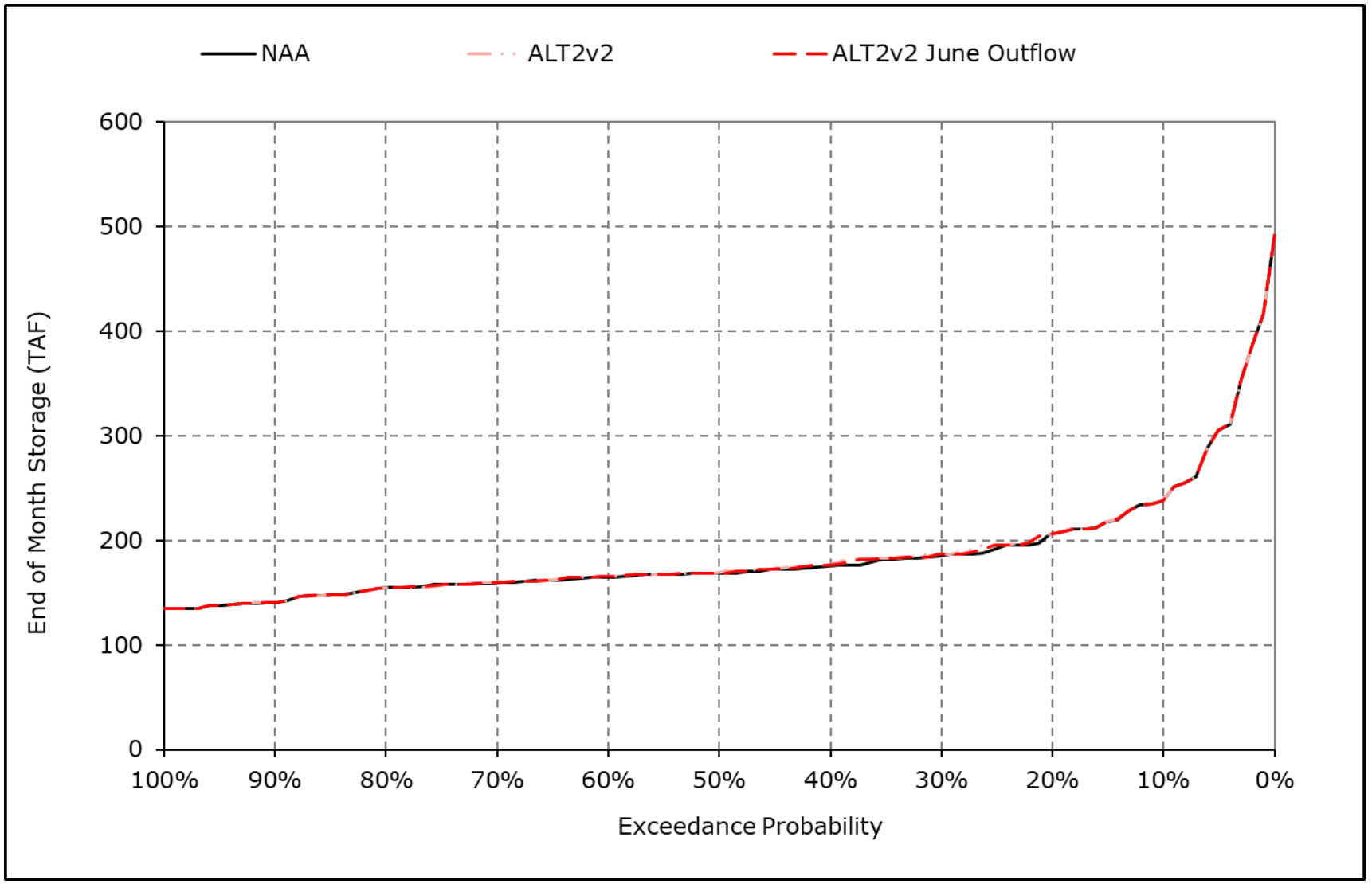
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.1-16-1c. Millerton Lake Elevation, ALT2v2 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.2.1-16-2a. 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, ALT2v2 June Outflow, End-of-Month Elevation (Feet)

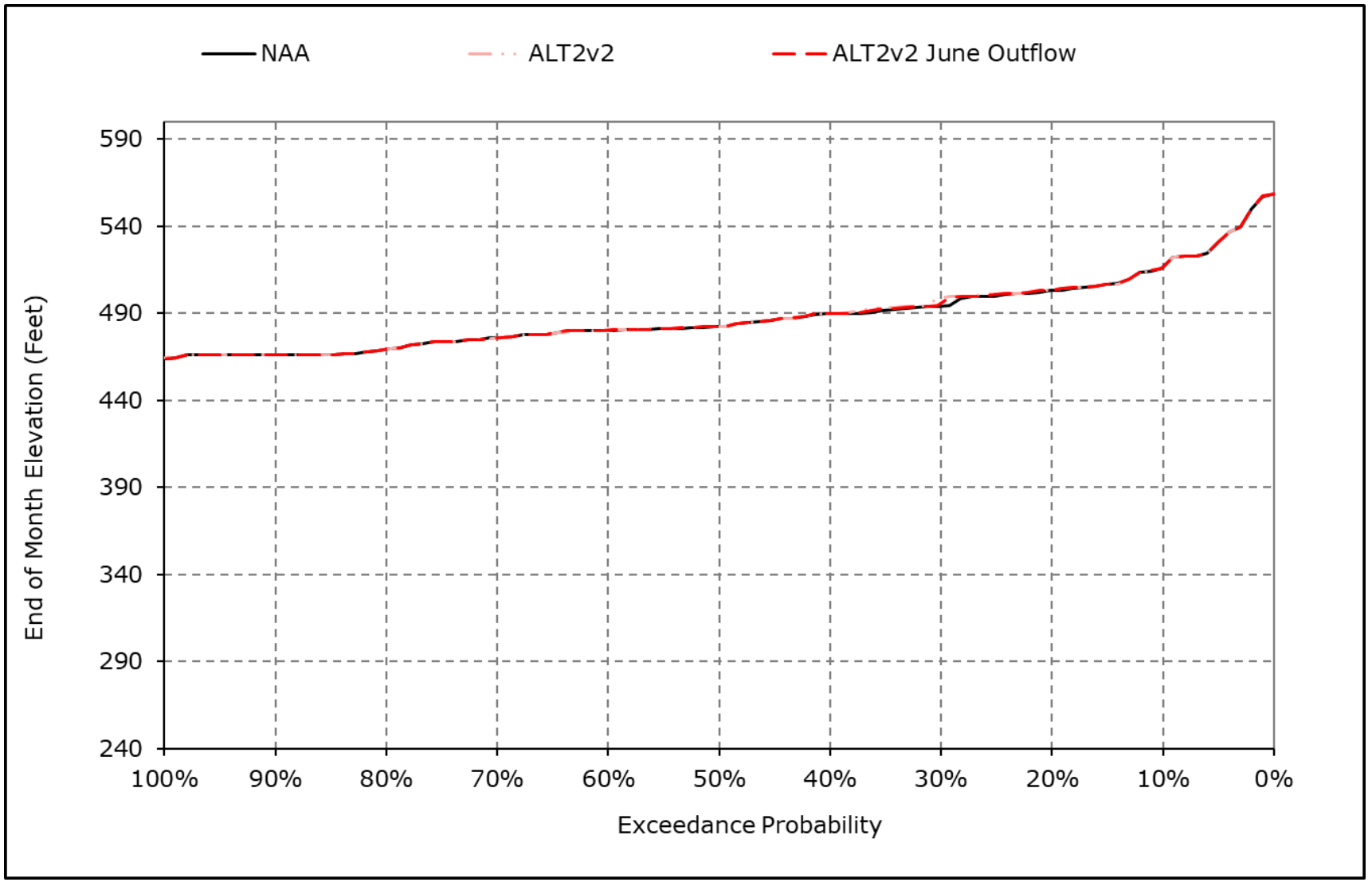
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	526	546	561	561	568	570	577	577	551	518	508
20% Exceedance	503	517	536	559	561	564	563	577	573	541	502	497
30% Exceedance	496	504	524	548	560	563	555	573	569	530	495	489
40% Exceedance	490	496	511	539	556	561	548	565	556	513	486	485
50% Exceedance	482	487	502	527	546	551	542	555	543	504	481	482
60% Exceedance	480	479	497	520	533	537	533	548	536	499	478	480
70% Exceedance	476	472	489	507	521	525	524	540	526	491	473	478
80% Exceedance	470	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	565	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%)	492	502	517	541	558	560	552	570	559	525	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.2.1-16-2c. Millerton Lake Elevation, ALT2v2 June Outflow minus No Action Alternative, End-of-Month Elevation (Feet)

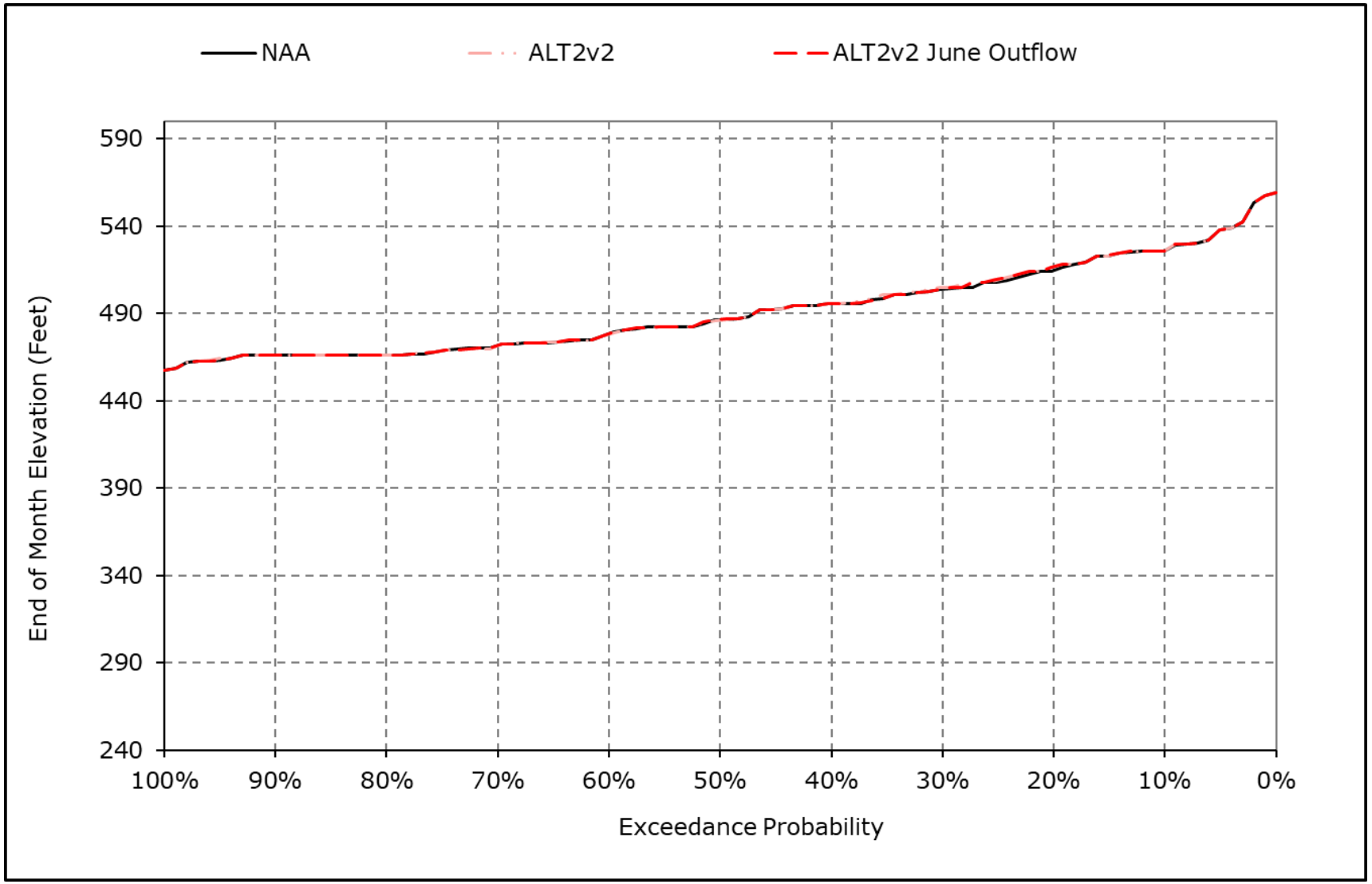
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	2	0	0	0	0	0	0	0	0	0	0
30% Exceedance	2	0	1	0	0	0	0	0	0	0	0	1
40% Exceedance	0	0	0	0	0	0	0	1	0	0	1	0
50% Exceedance	0	0	0	0	1	0	0	1	0	0	0	0
60% Exceedance	0	0	0	0	0	1	0	0	0	0	1	0
70% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	1	0	0	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%)	1	1	1	0	0	0	0	0	0	1	1	1
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	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.



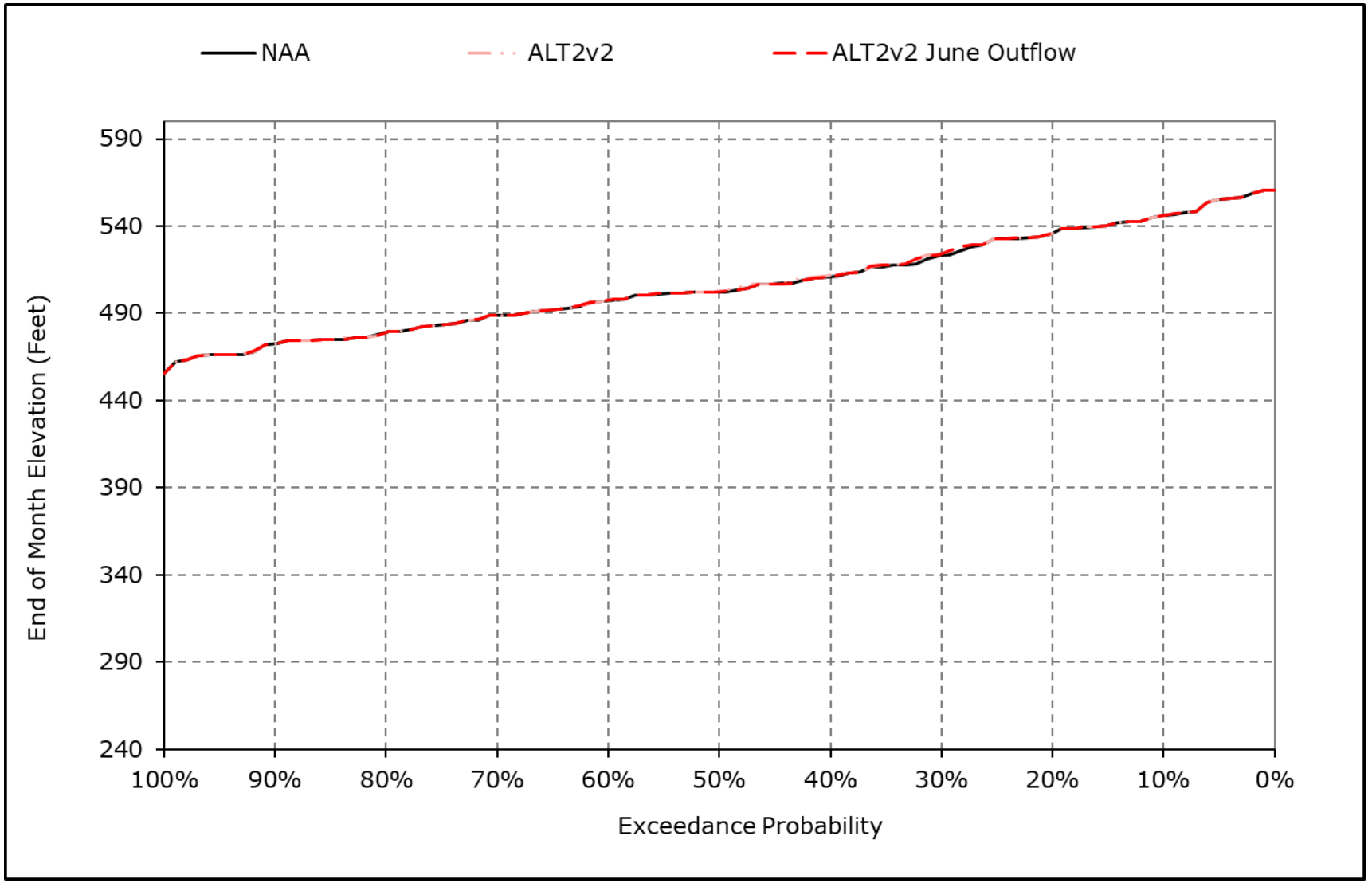
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-1. Millerton Lake Elevation, October



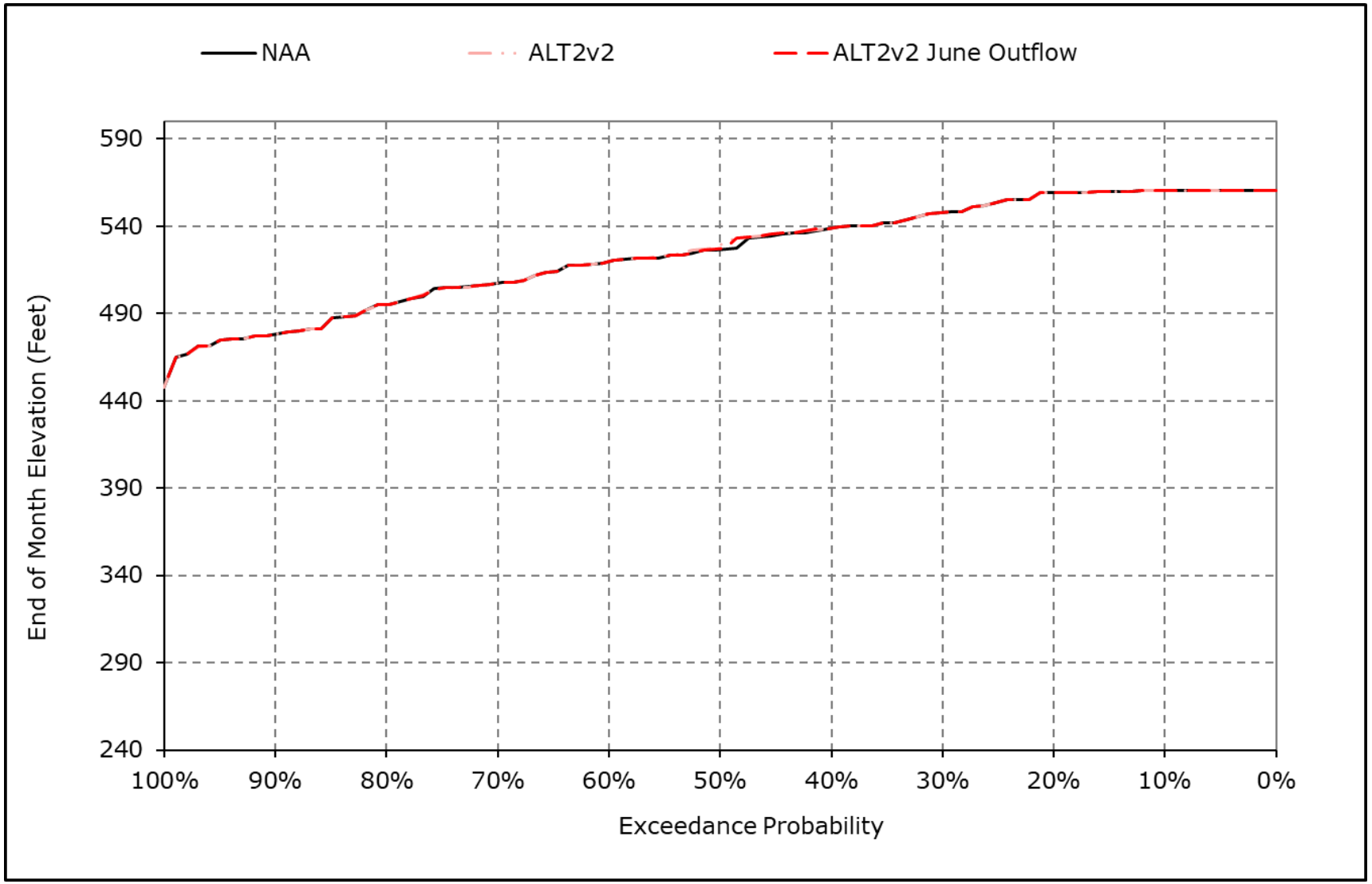
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-2. Millerton Lake Elevation, November



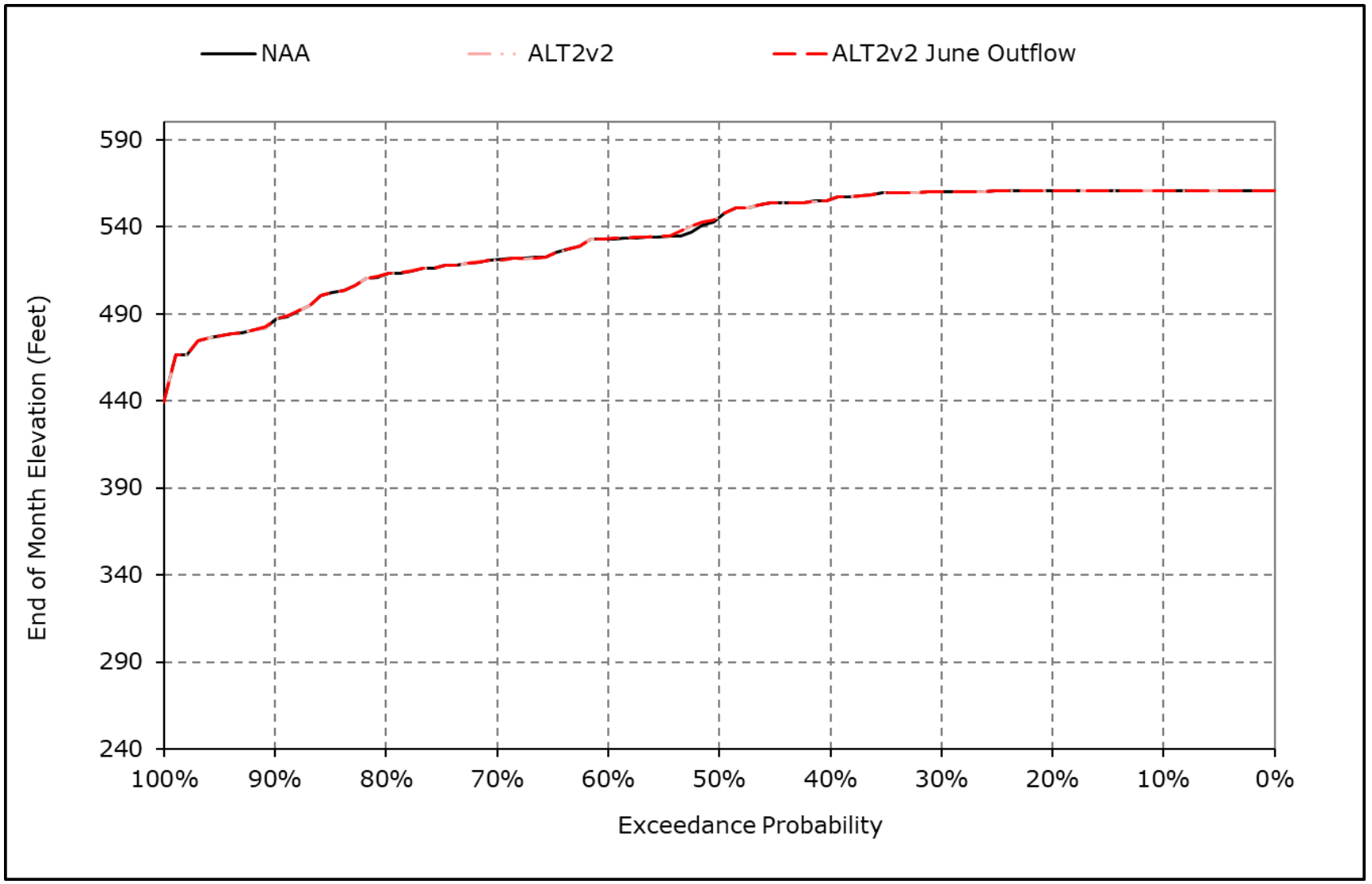
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-3. Millerton Lake Elevation, December



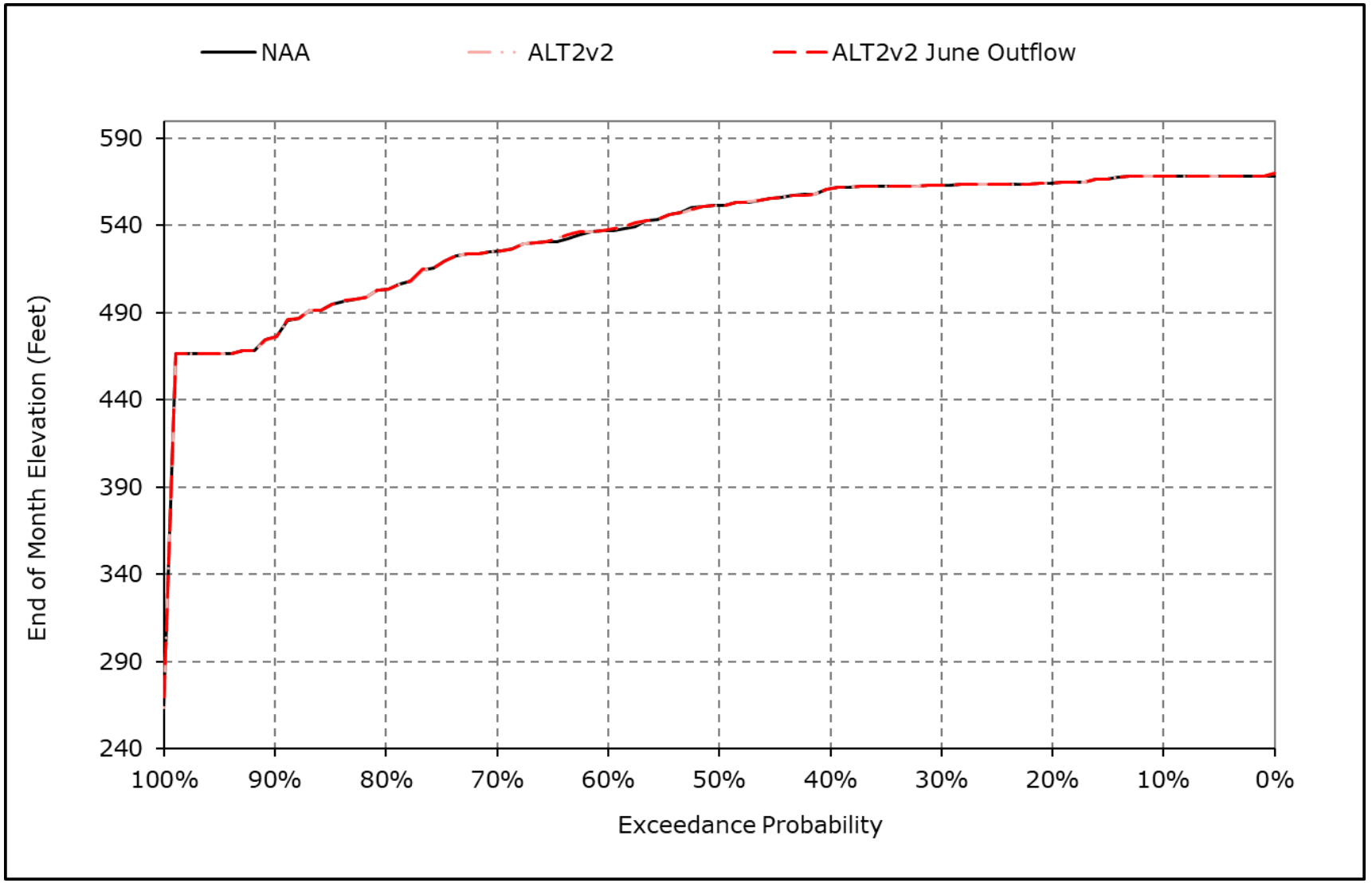
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-4. Millerton Lake Elevation, January



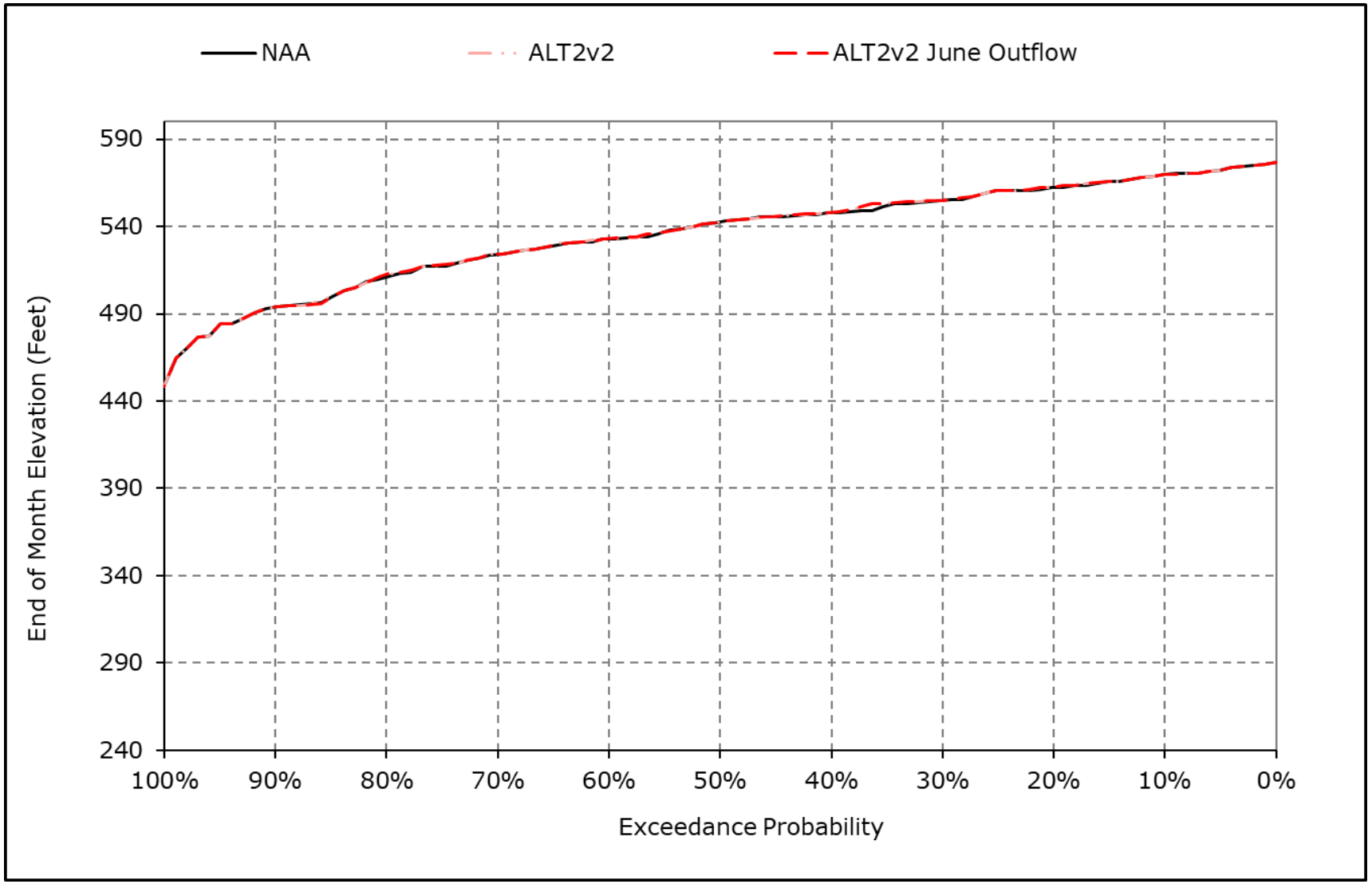
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-5. Millerton Lake Elevation, February



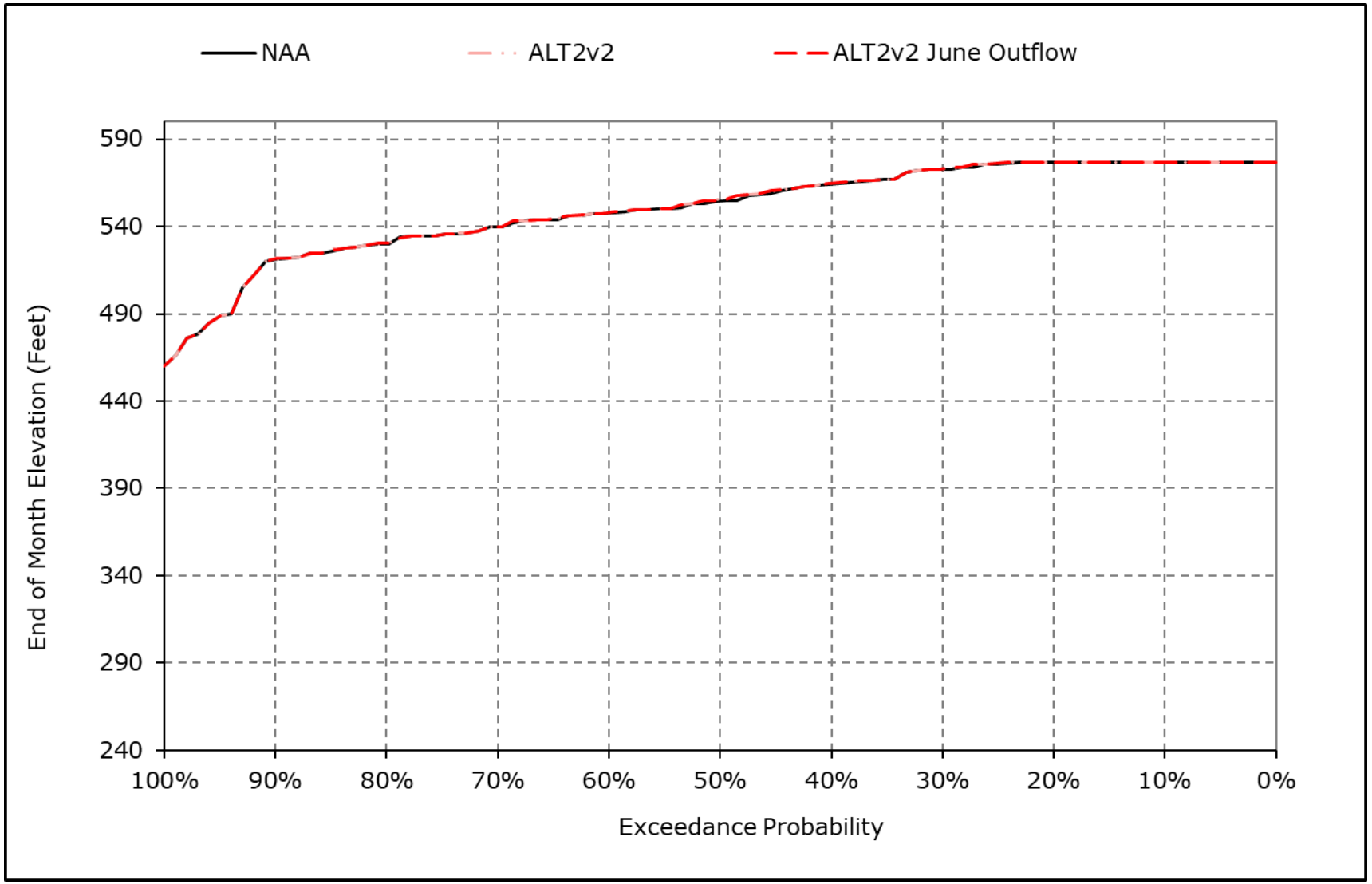
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-6. Millerton Lake Elevation, March



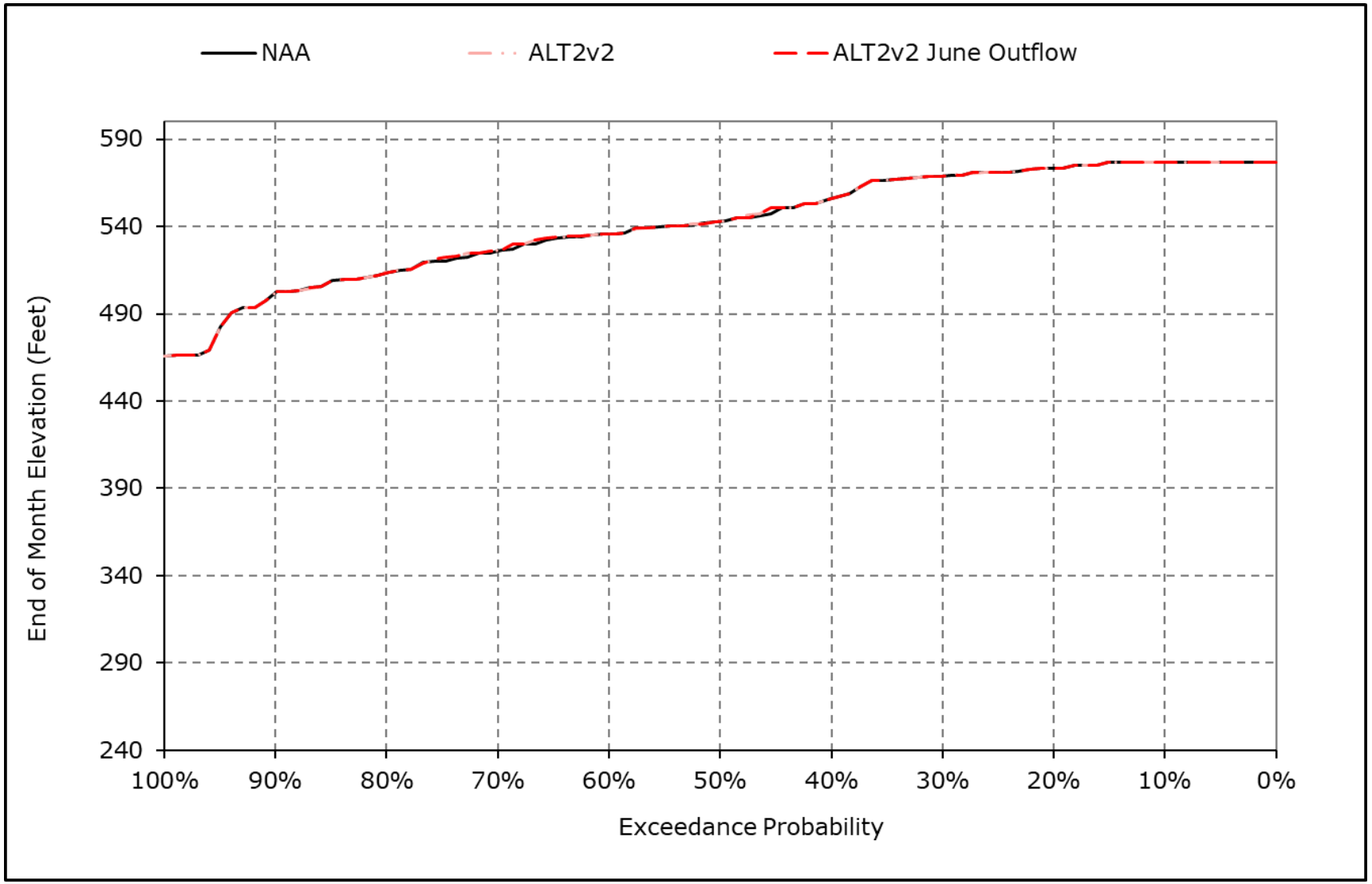
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-7. Millerton Lake Elevation, April



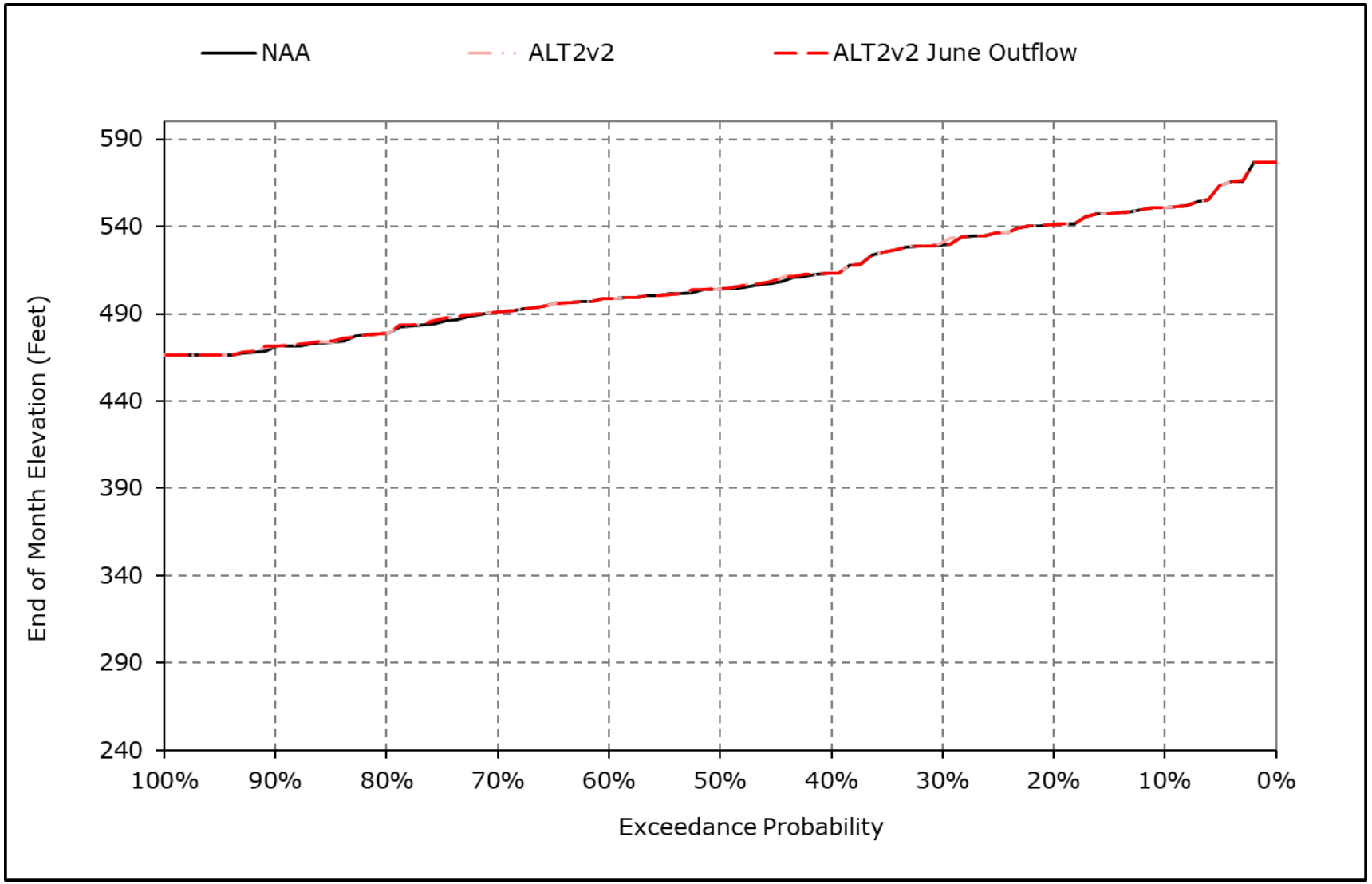
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-8. Millerton Lake Elevation, May



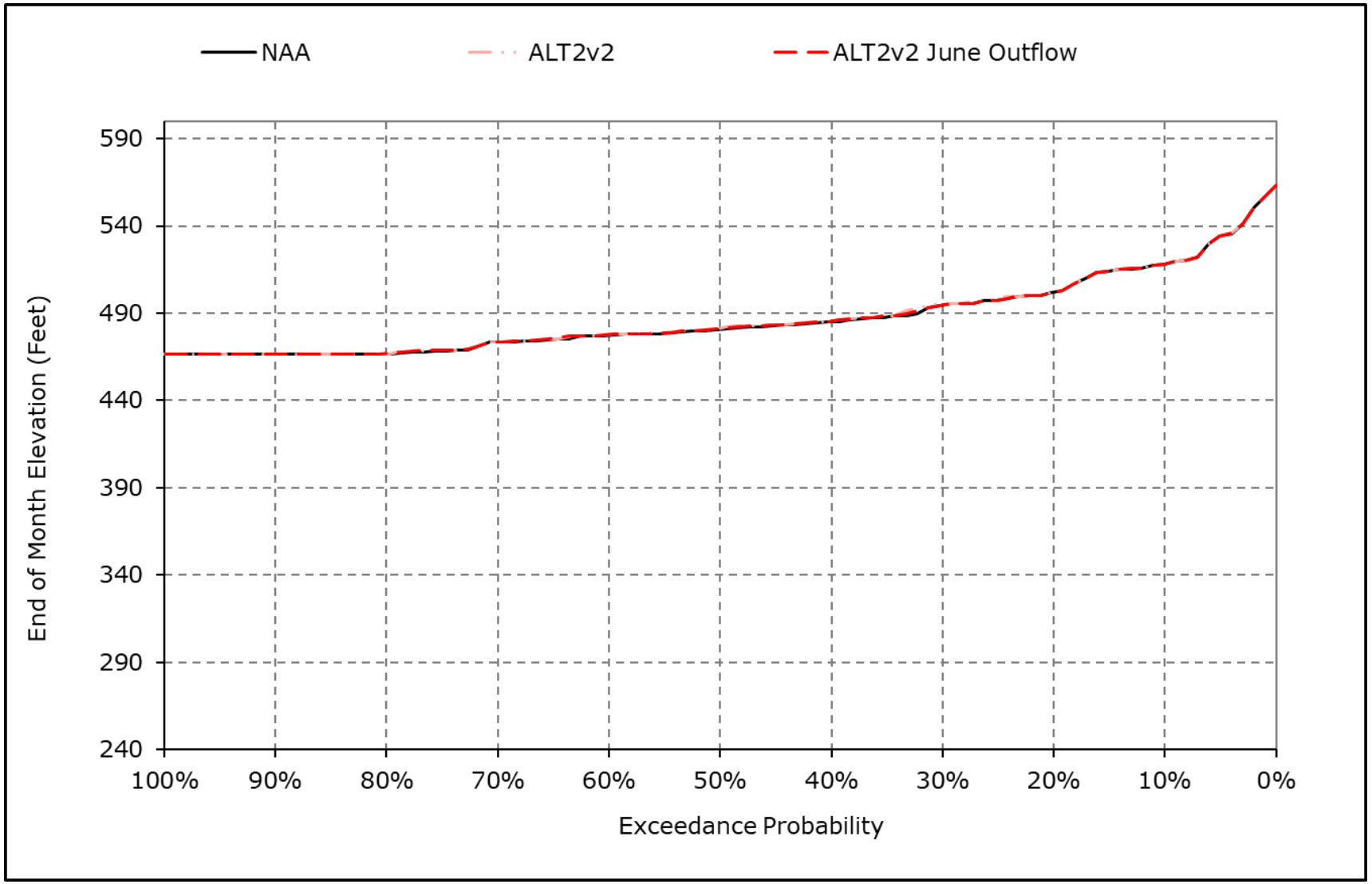
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.1-16-9. Millerton Lake Elevation, June



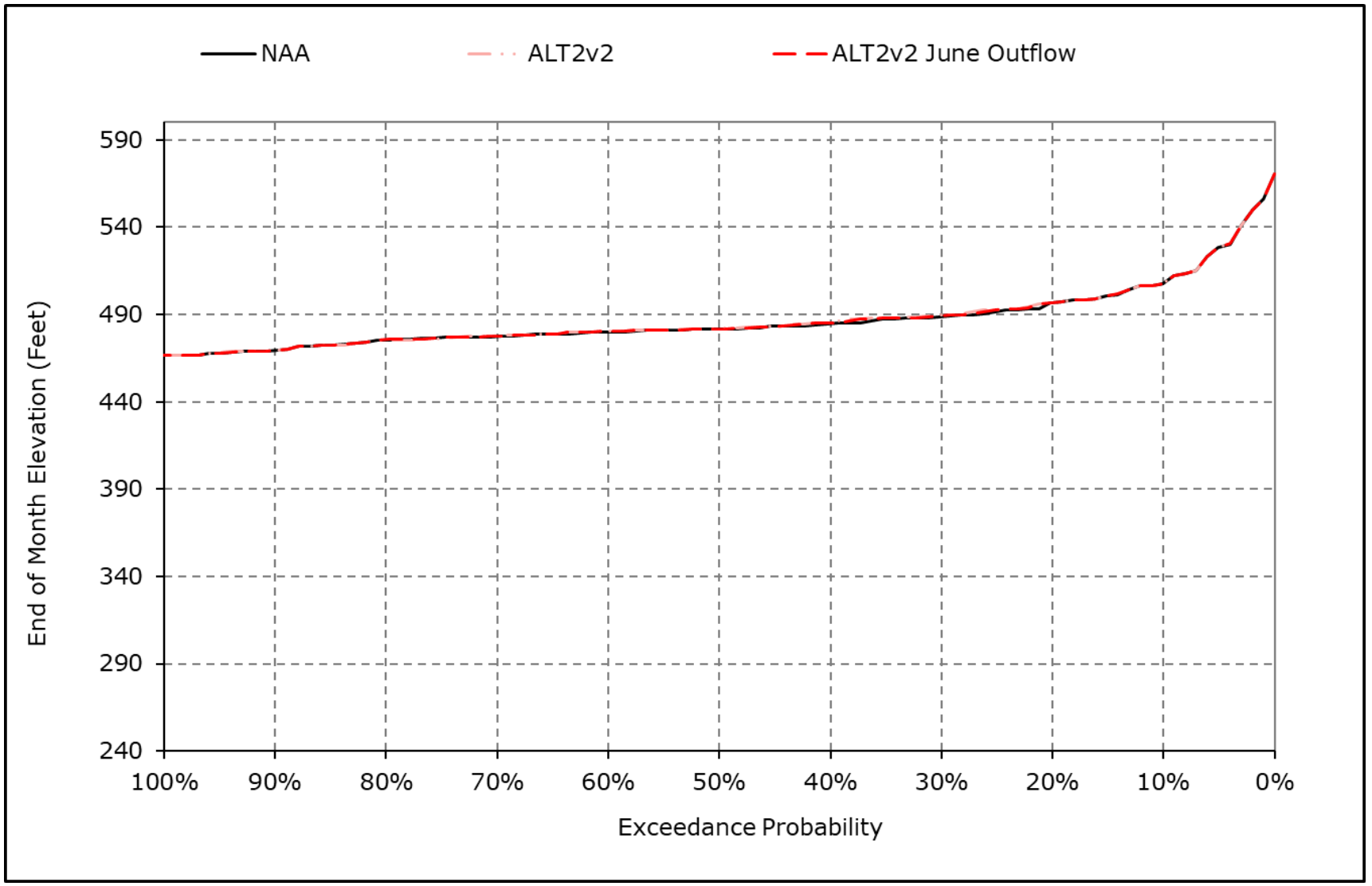
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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

June Delta Outflow Action Sensitivity Analysis

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)
- Alt2woTUCPDeltaVA 091324 (Alt2v2)
- Alt2woTUCPDeltaVA 100424 June Habitat (Alt2v2 June Habitat)

Table 2.2-1. Output Parameters, Table Numbers, and Figure Numbers

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
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

Section	Output Parameters	Table Numbers	Figure Numbers
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, ALT2v2, 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.2.2-1-1c. Trinity River Flow below Lewiston, ALT2v2 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.2.2-1-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

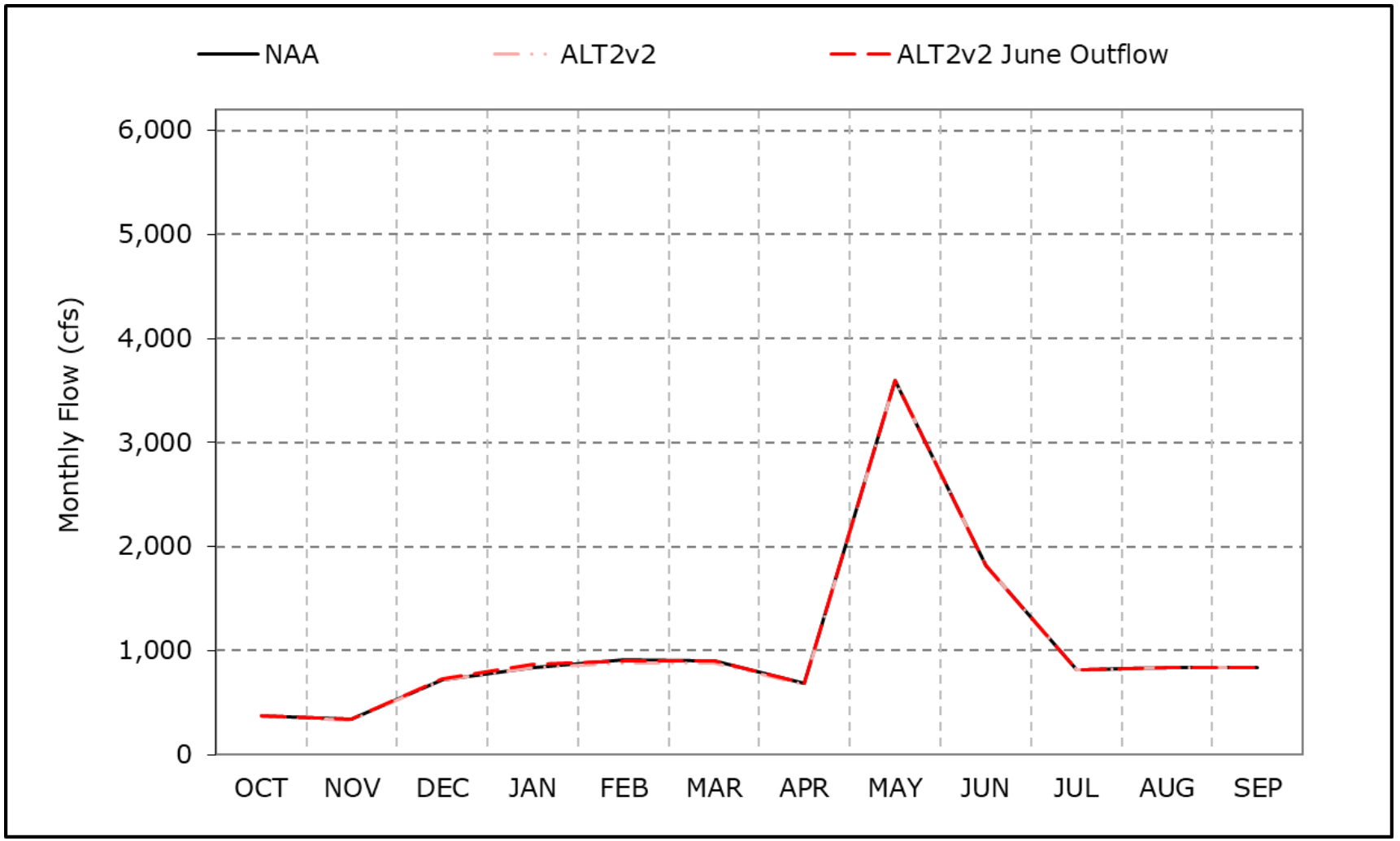
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,219	2,861	2,761	2,522	665	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	777	1,294	600	4,709	2,526	1,102	863	863
30% Exceedance	373	300	300	300	300	300	540	4,570	2,526	1,102	863	863
40% Exceedance	373	300	300	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	335	723	868	905	904	680	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,186	1,967	1,718	1,999	1,028	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	359	747	1,024	1,388	1,031	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.2.2-1-2c. Trinity River Flow below Lewiston, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

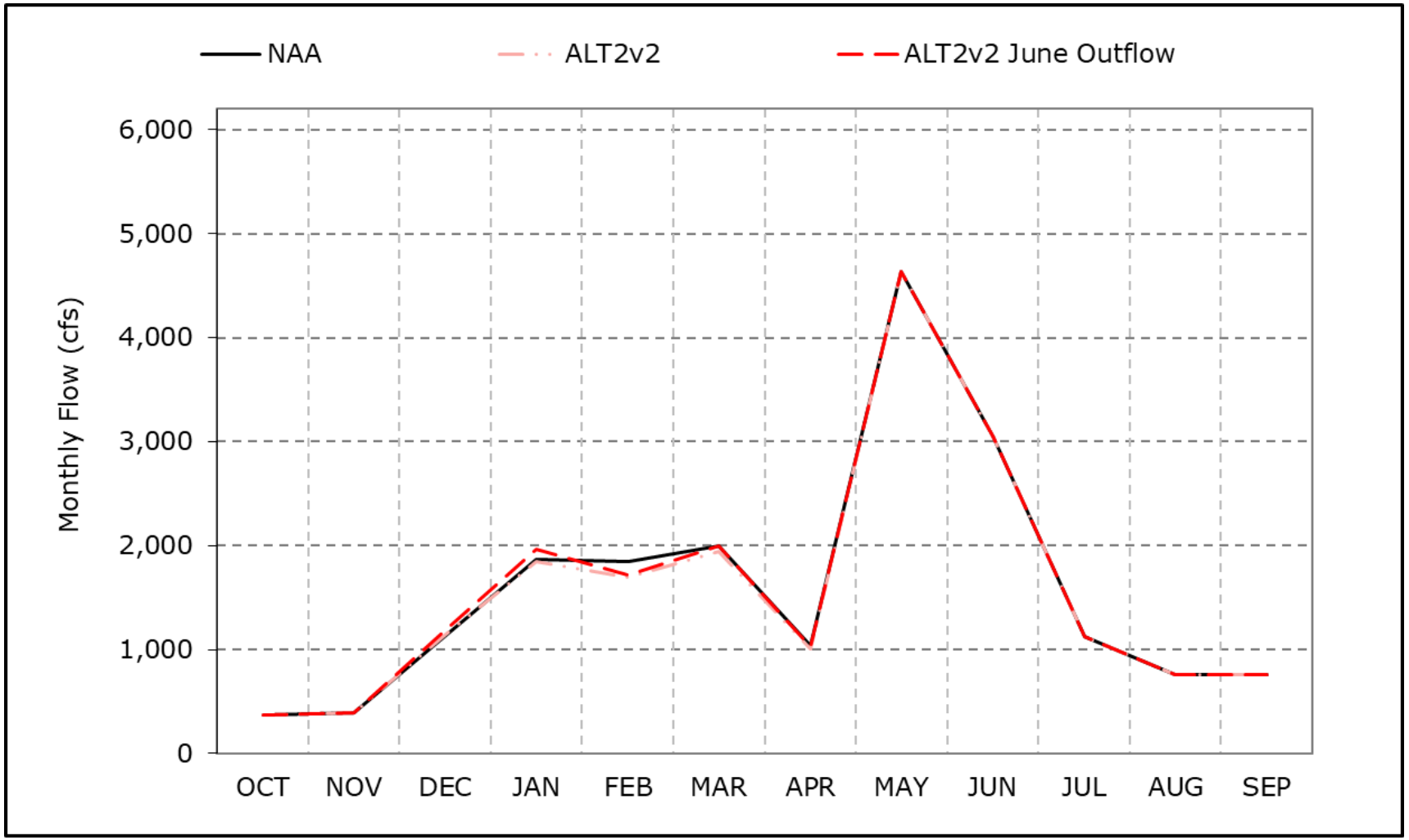
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1,074	33	-2	16	-17	0	0	0	0	0
20% Exceedance	0	0	0	0	12	267	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	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	-7	4	28	-8	4	-2	0	0	0	0	0
Wet Water Years (28%)	0	0	53	96	-125	-4	-7	0	0	0	0	0
Above Normal Water Years (14%)	0	-44	-38	9	194	10	-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.



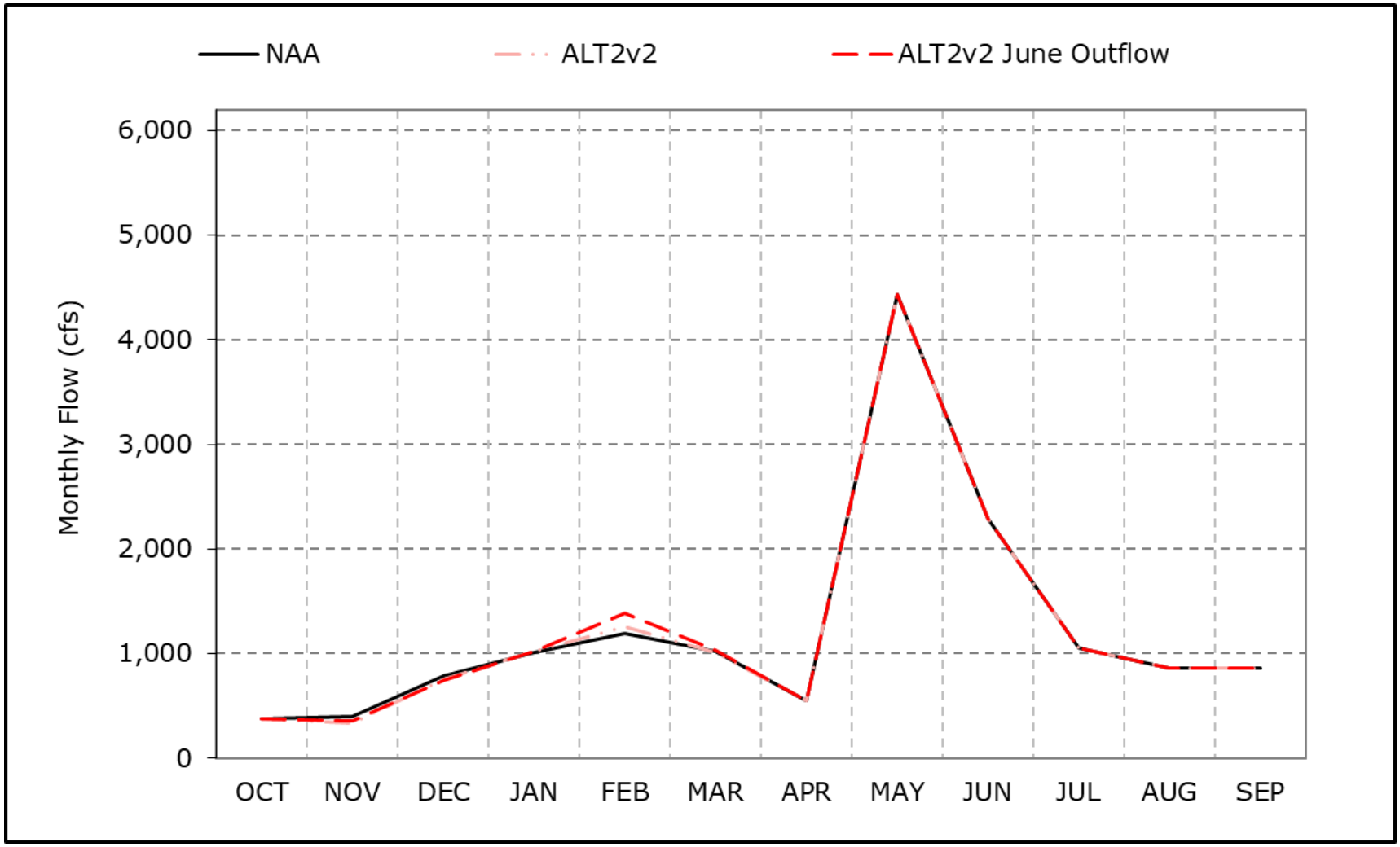
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-1. Trinity River Flow below Lewiston, Long-Term Average Flow



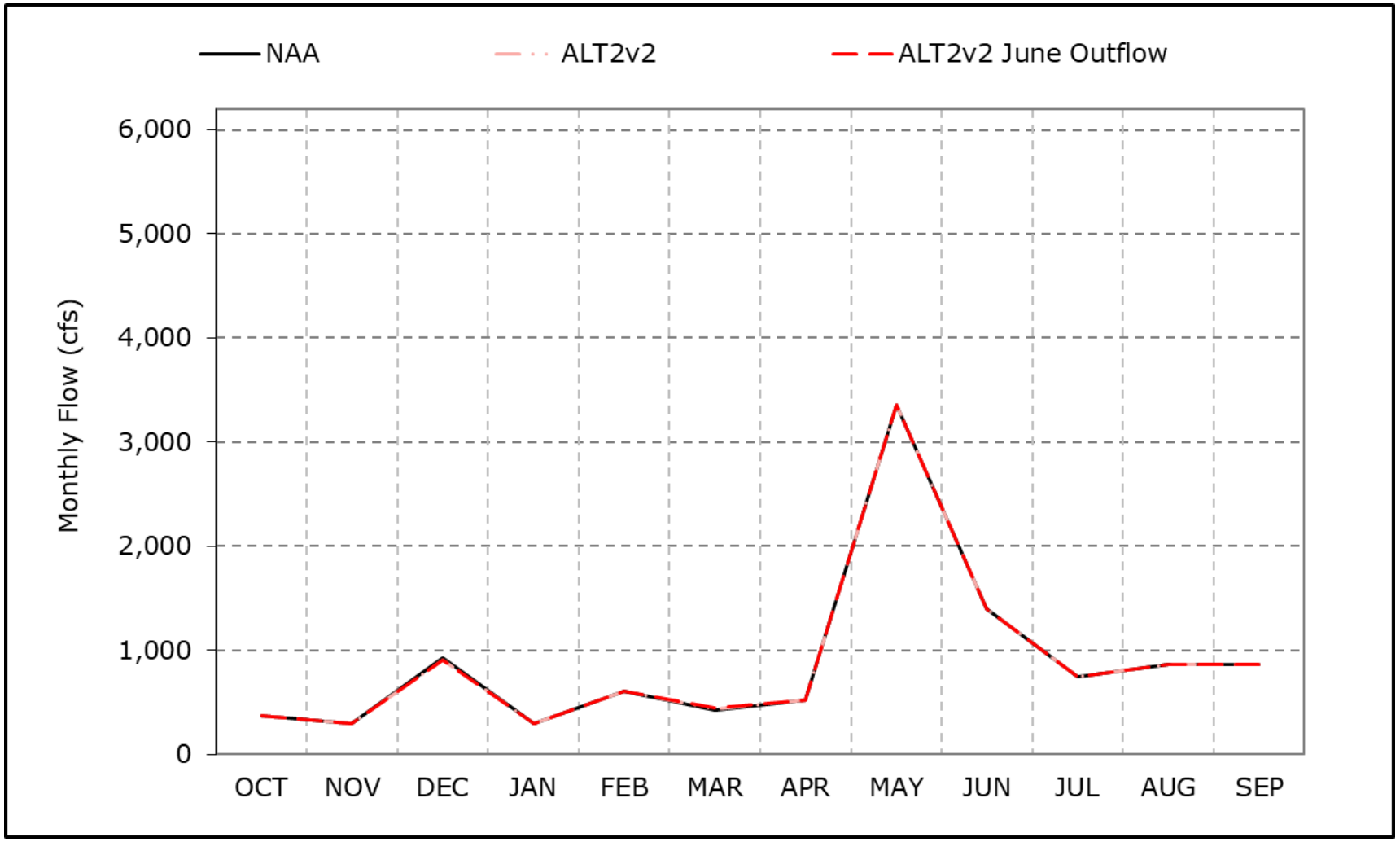
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-2. Trinity River Flow below Lewiston, Wet Year Average Flow



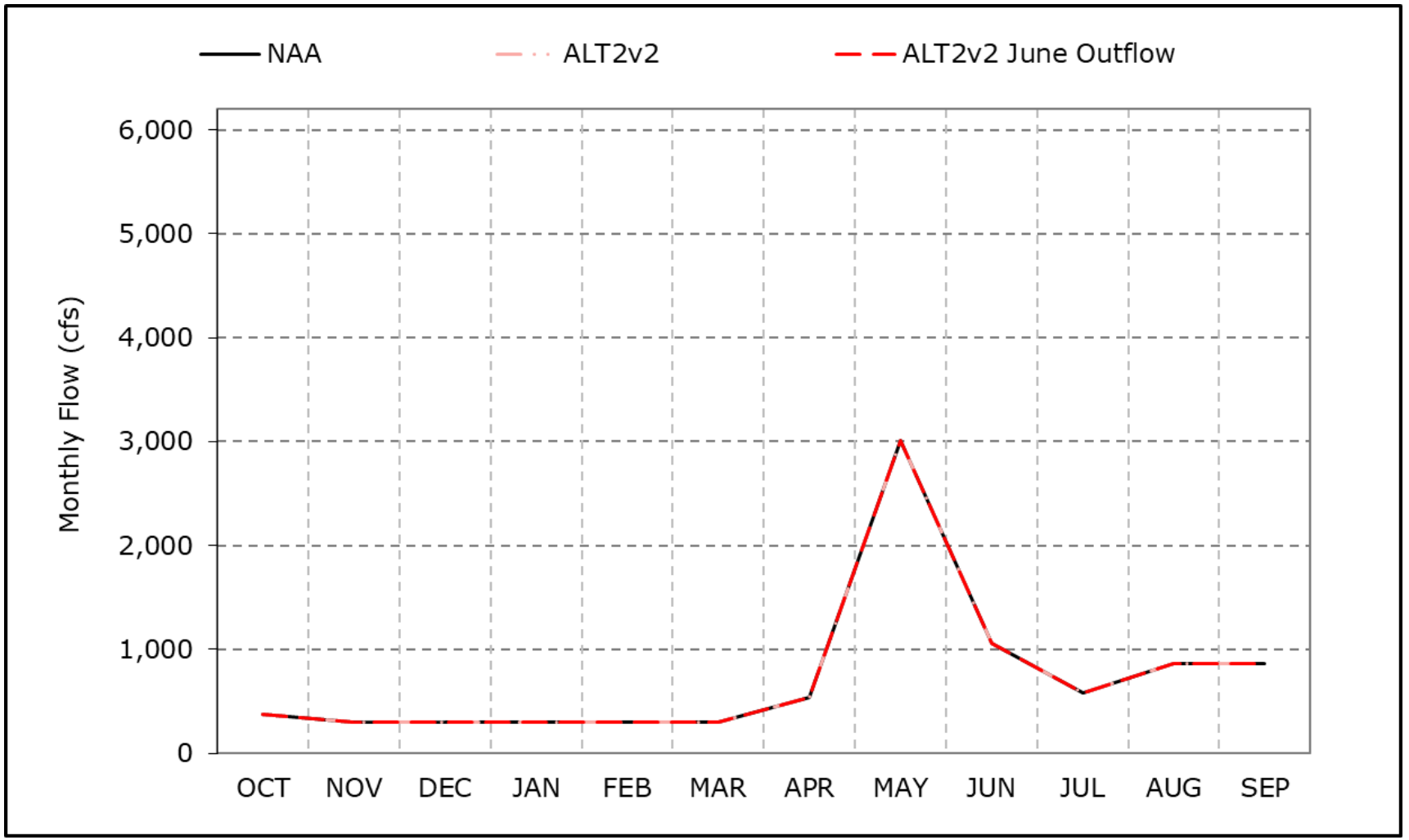
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-3. Trinity River Flow below Lewiston, Above Normal Year Average Flow



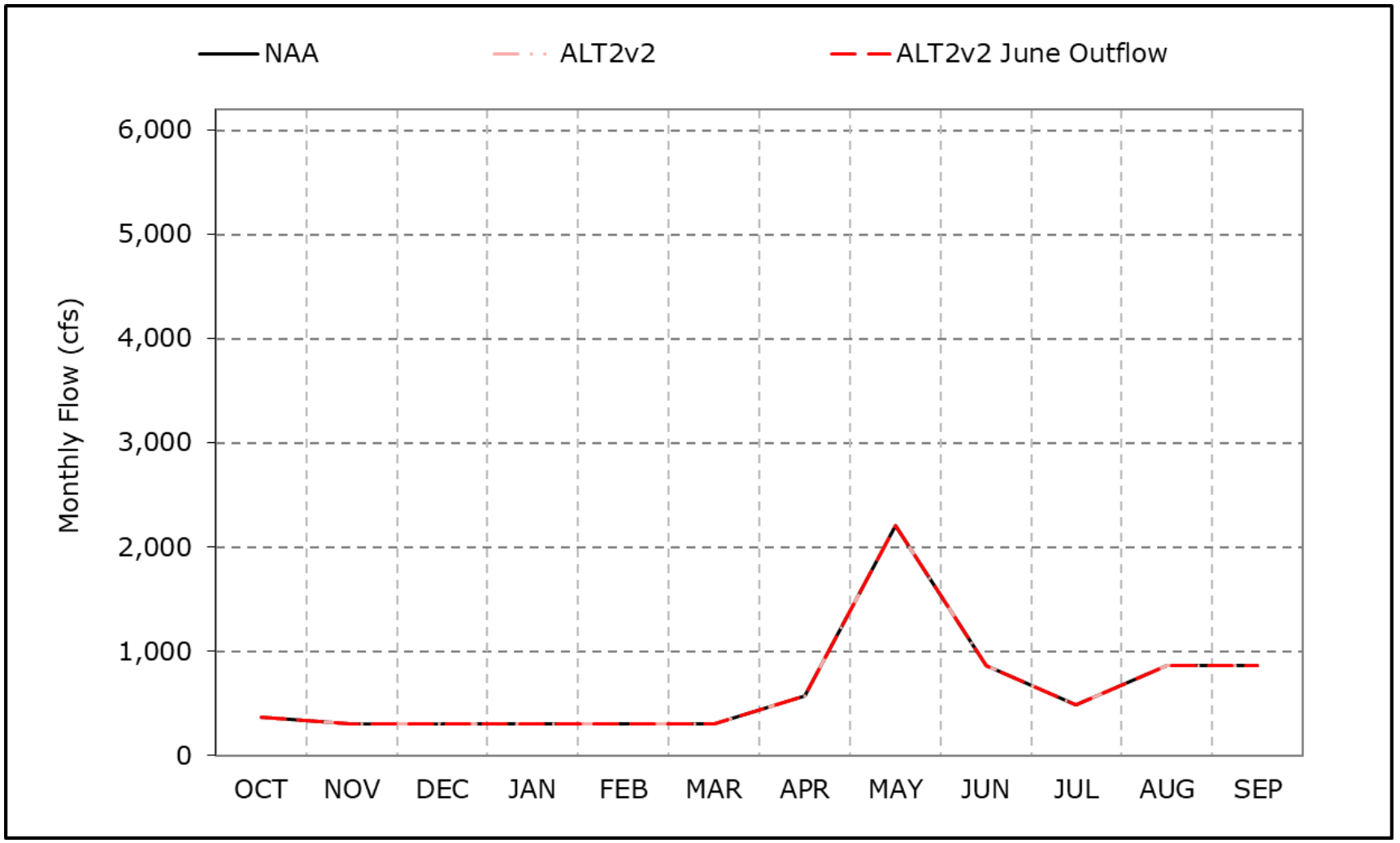
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-4. Trinity River Flow below Lewiston, Below Normal Year Average Flow



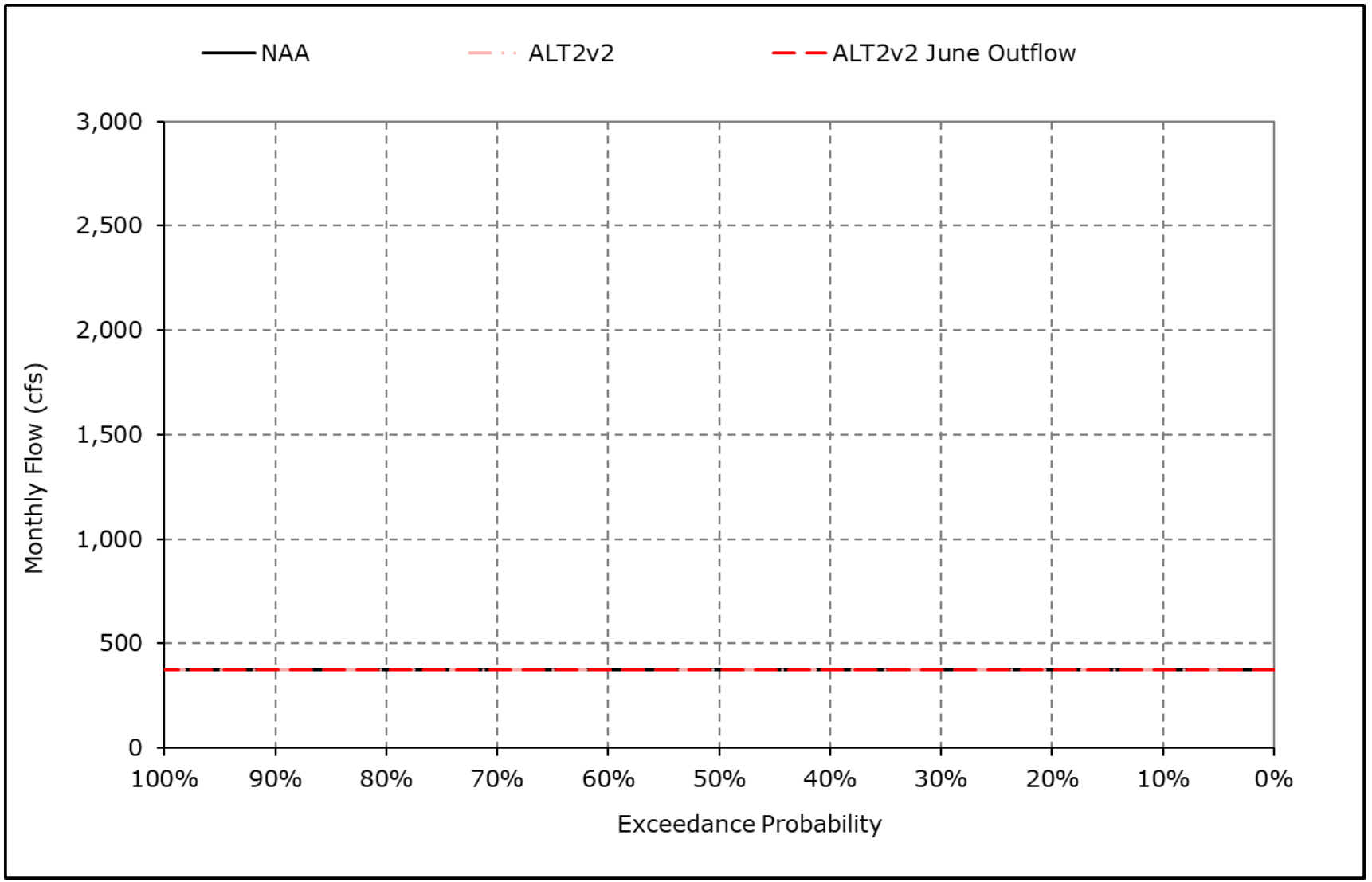
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-5. Trinity River Flow below Lewiston, Dry Year Average Flow



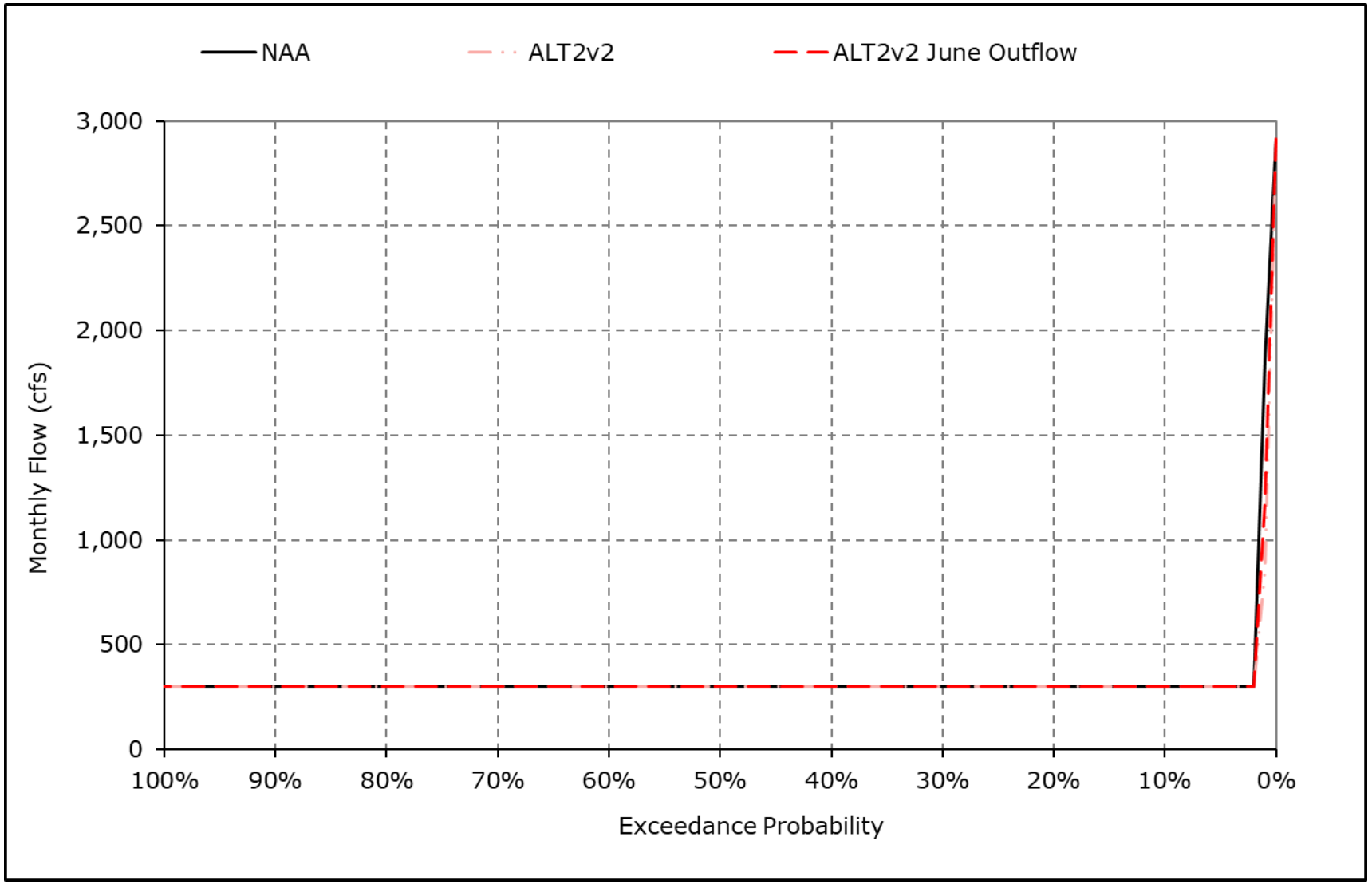
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-1-6. Trinity River Flow below Lewiston, Critical Year Average Flow



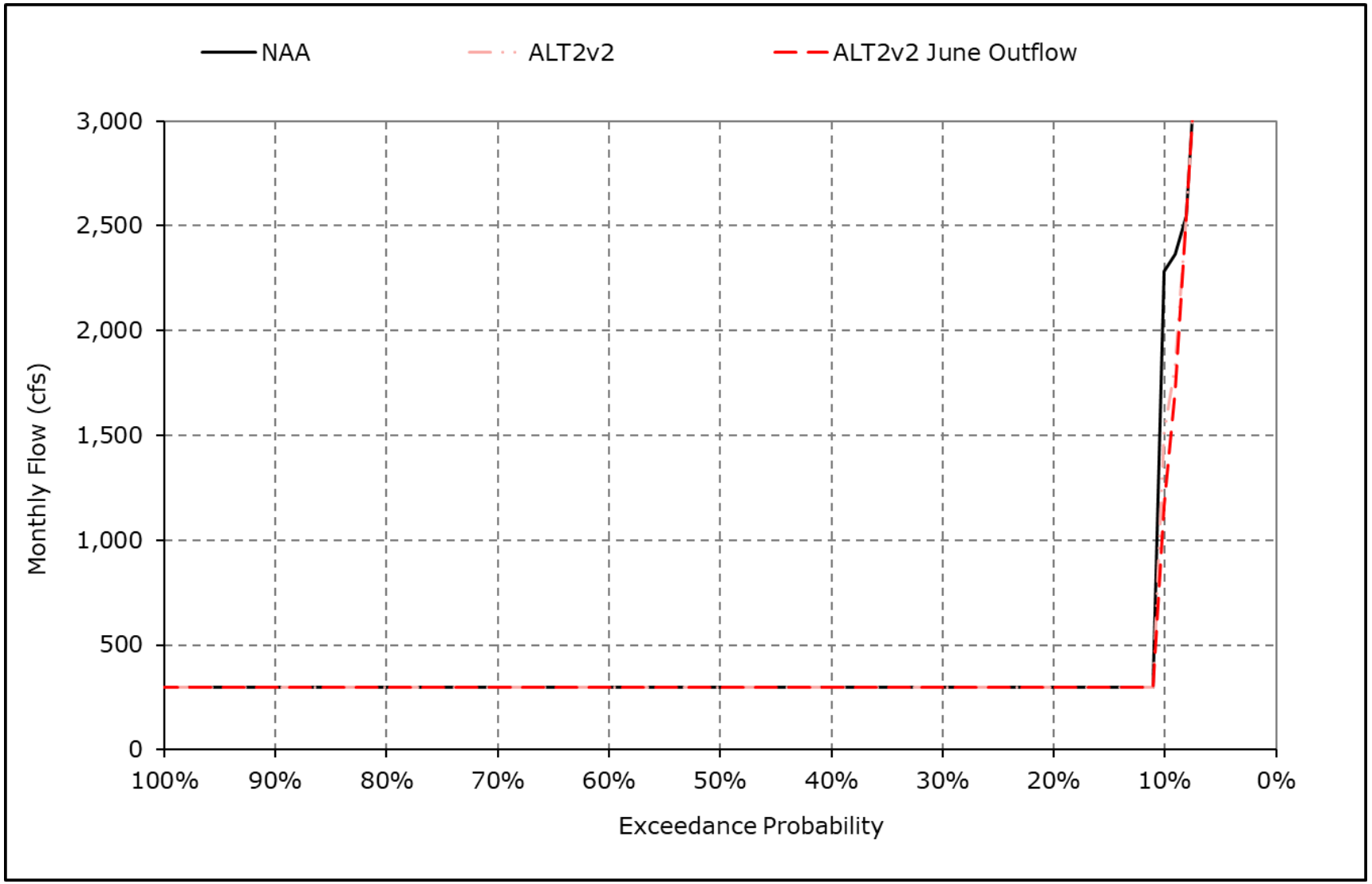
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-7. Trinity River Flow below Lewiston, October



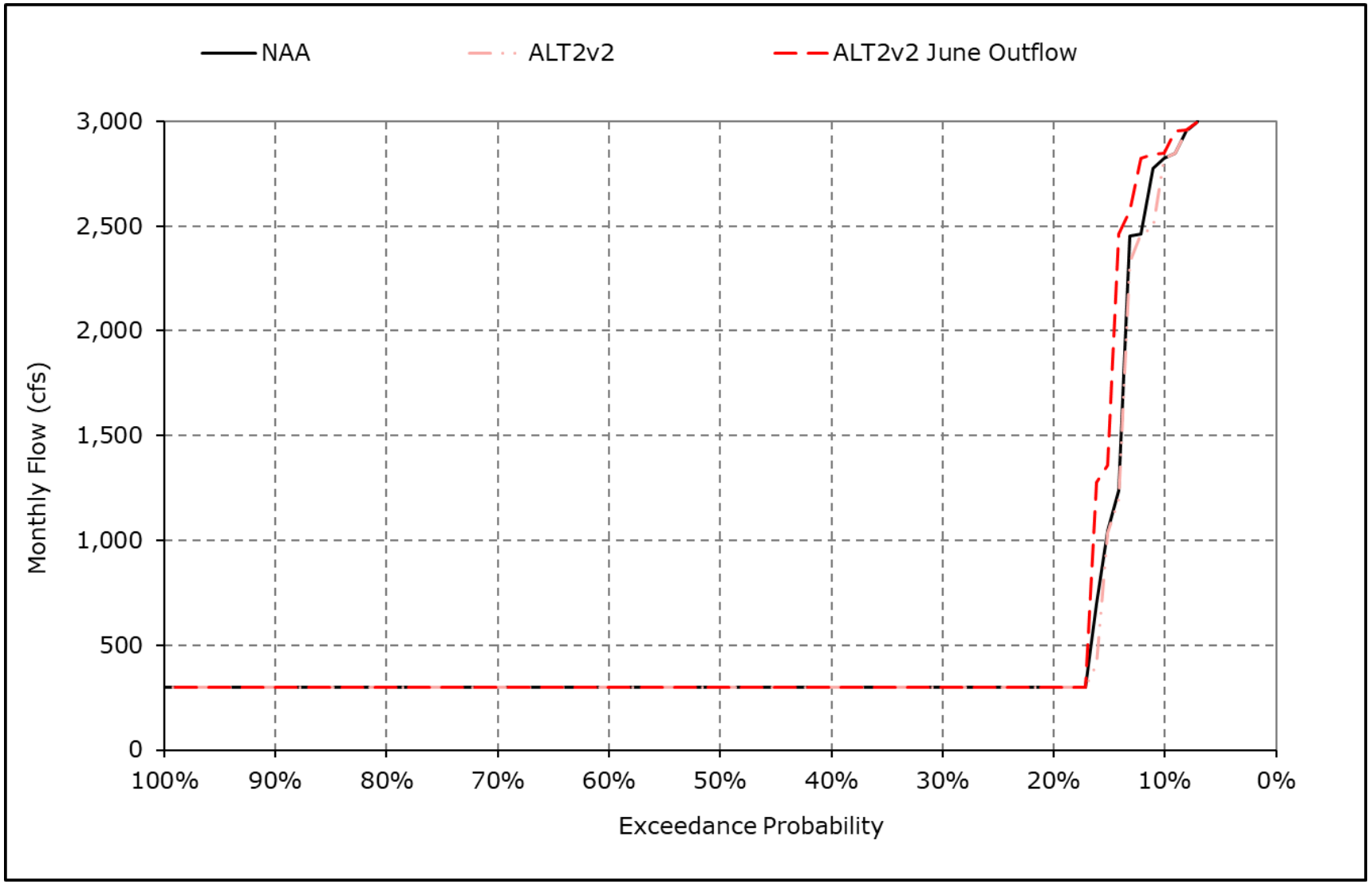
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-8. Trinity River Flow below Lewiston, November



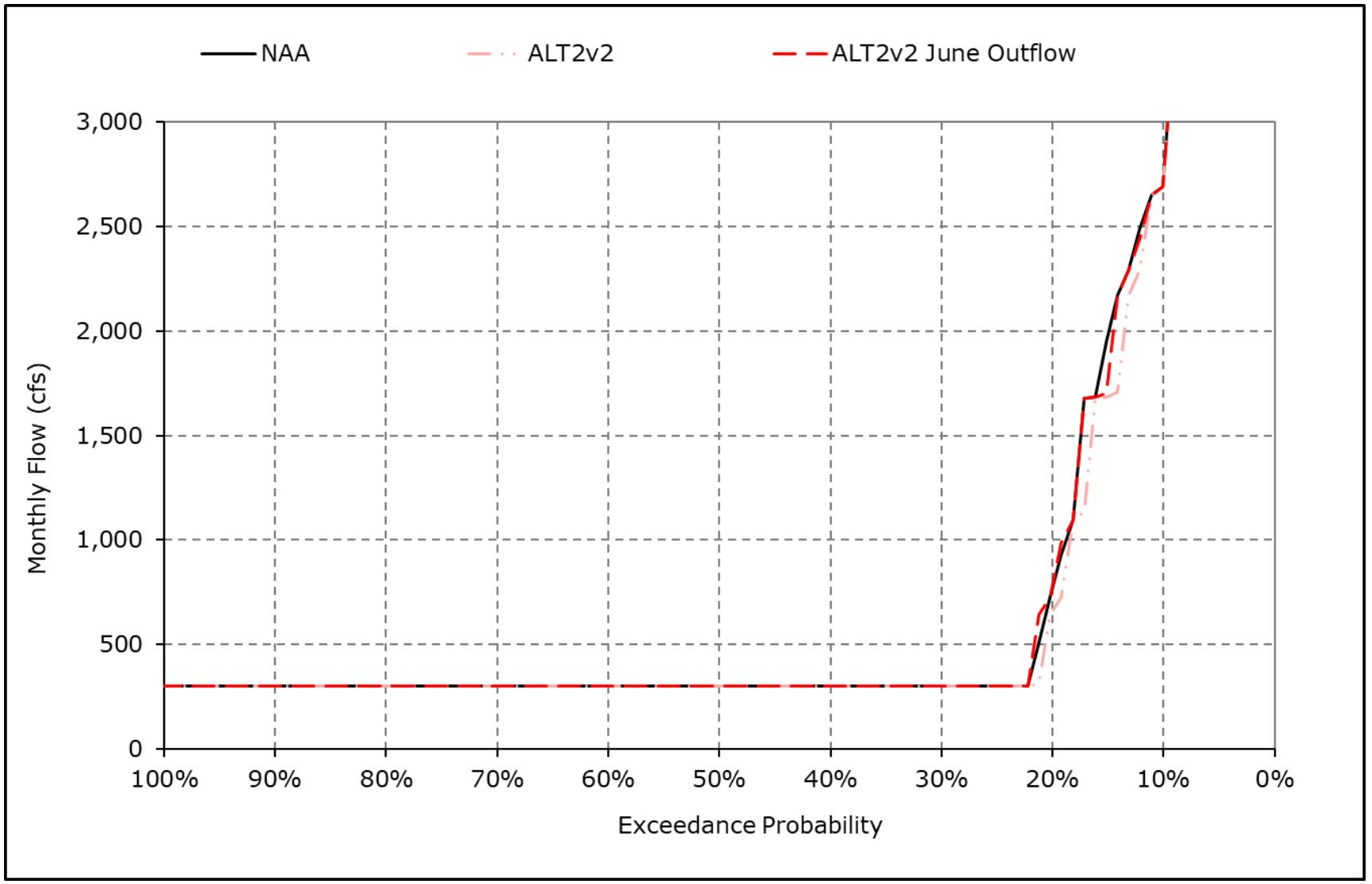
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-9. Trinity River Flow below Lewiston, December



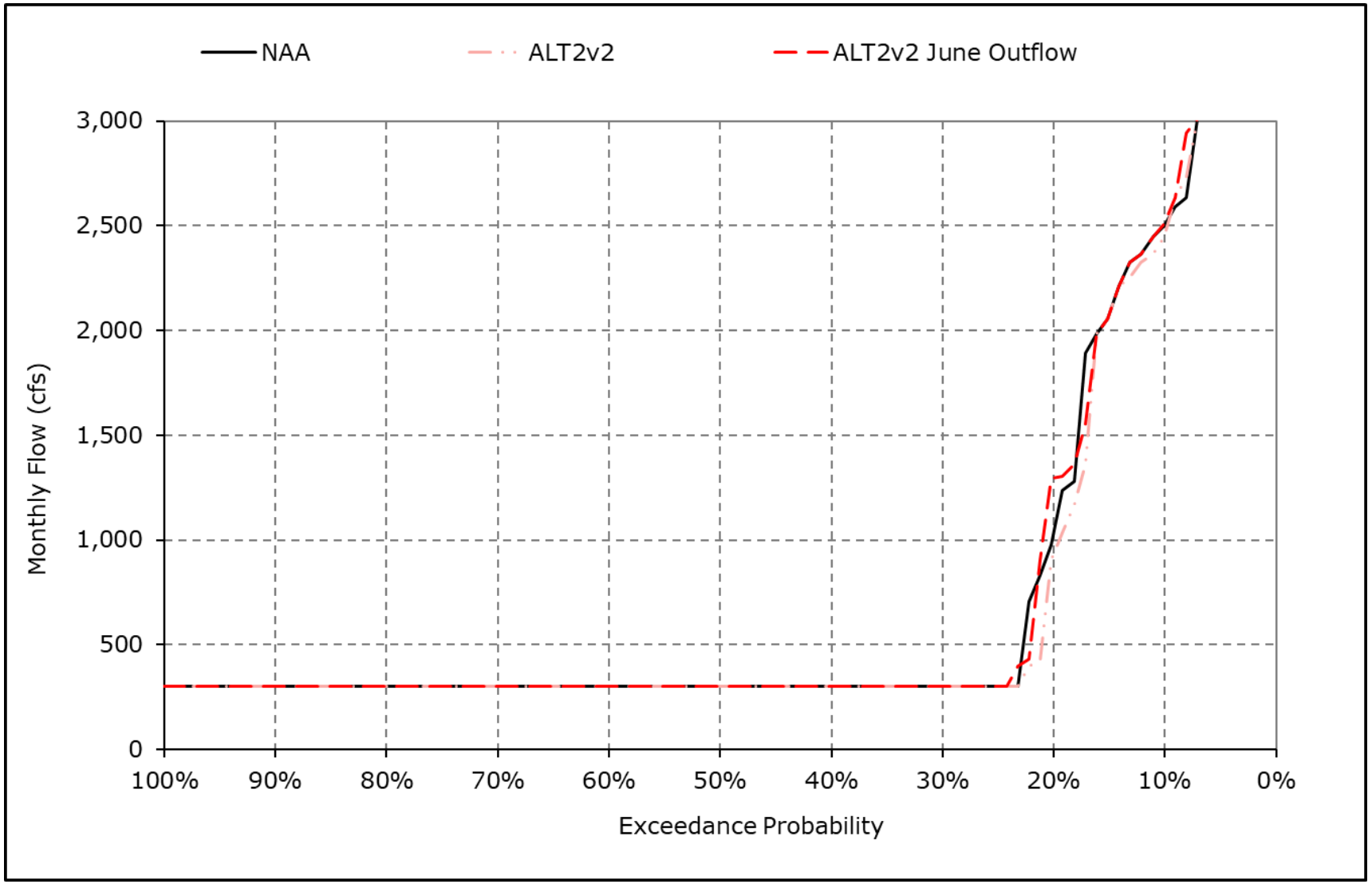
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-10. Trinity River Flow below Lewiston, January



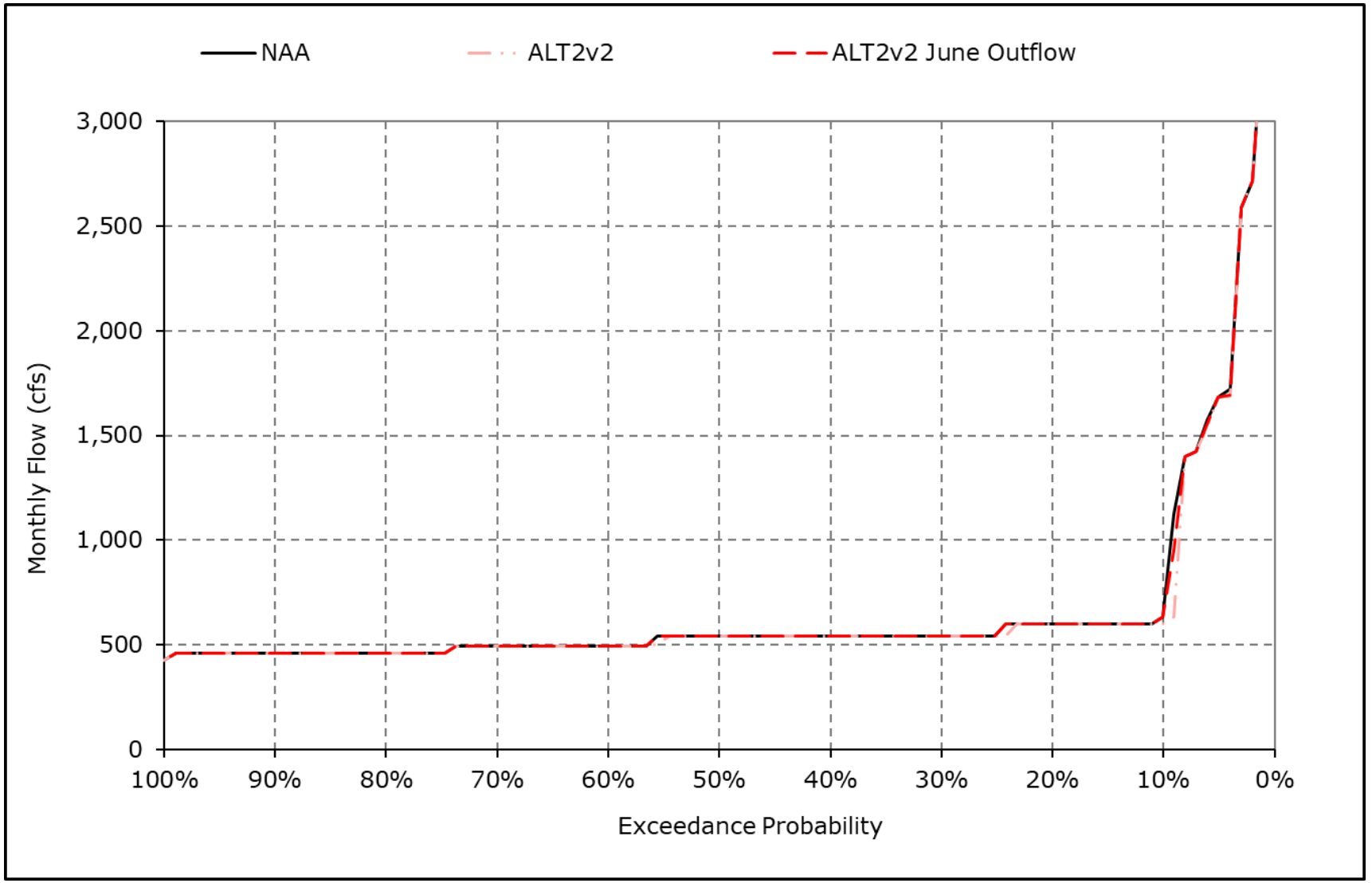
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-11. Trinity River Flow below Lewiston, February



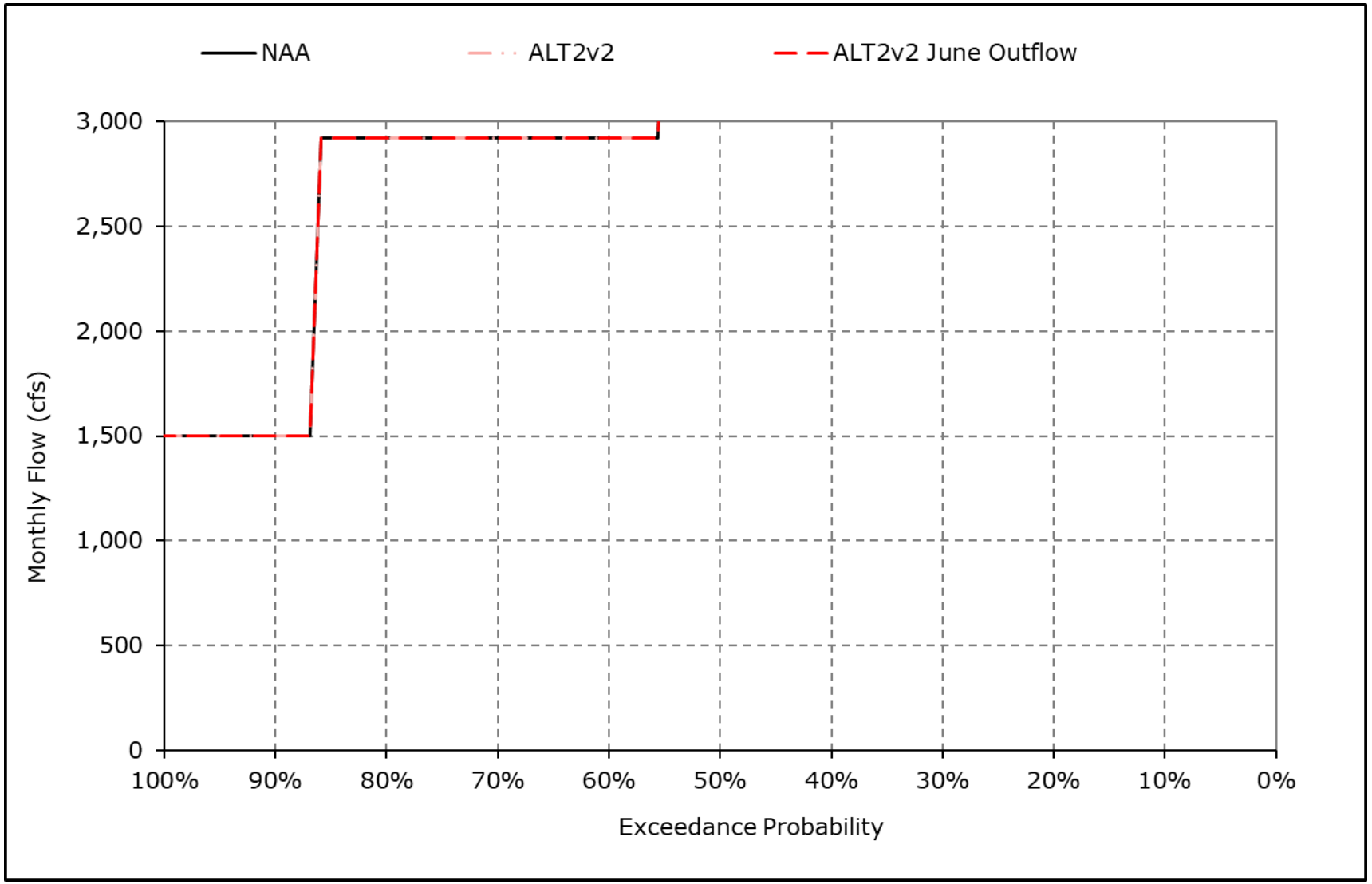
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-12. Trinity River Flow below Lewiston, March



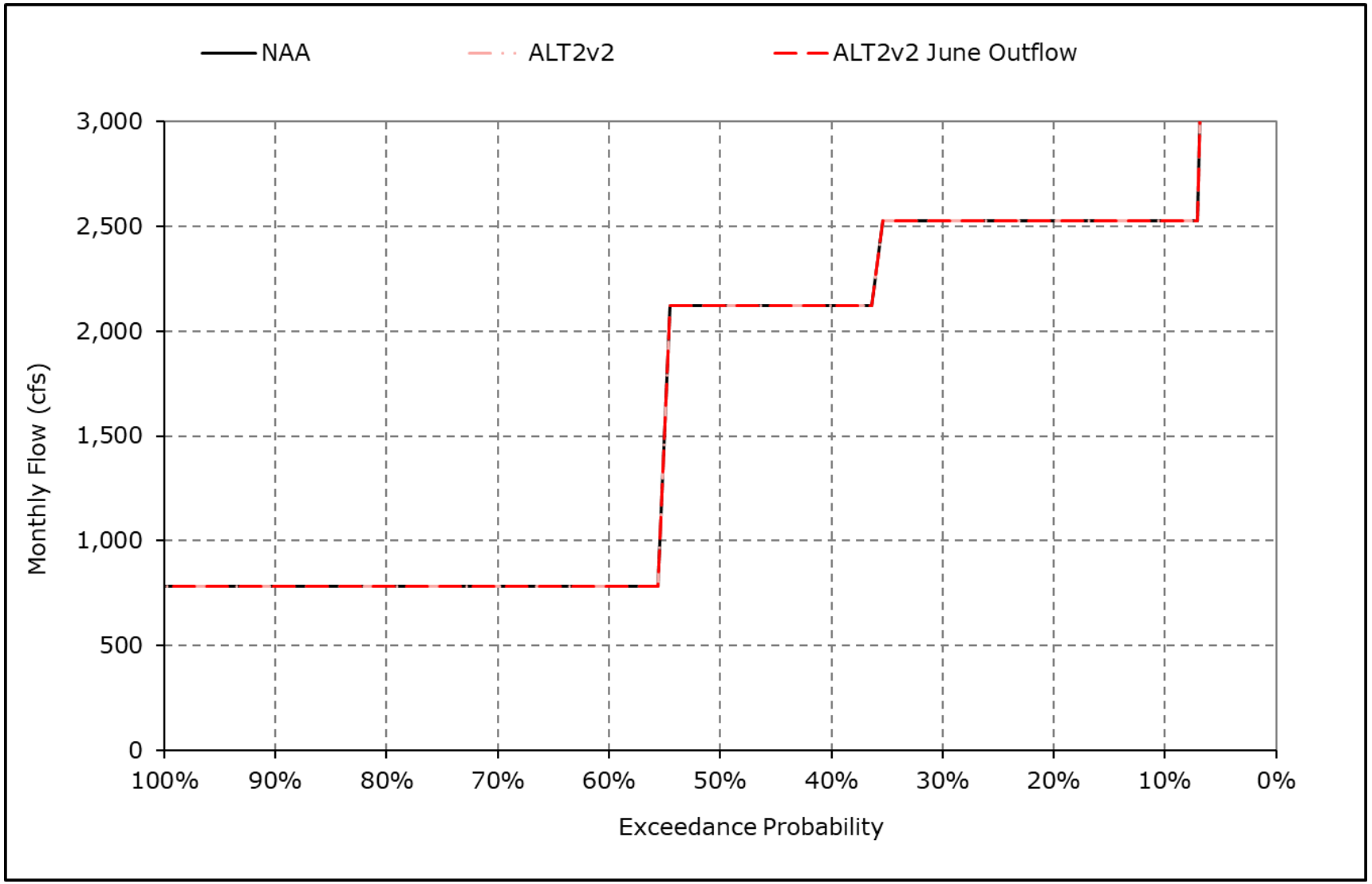
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-13. Trinity River Flow below Lewiston, April



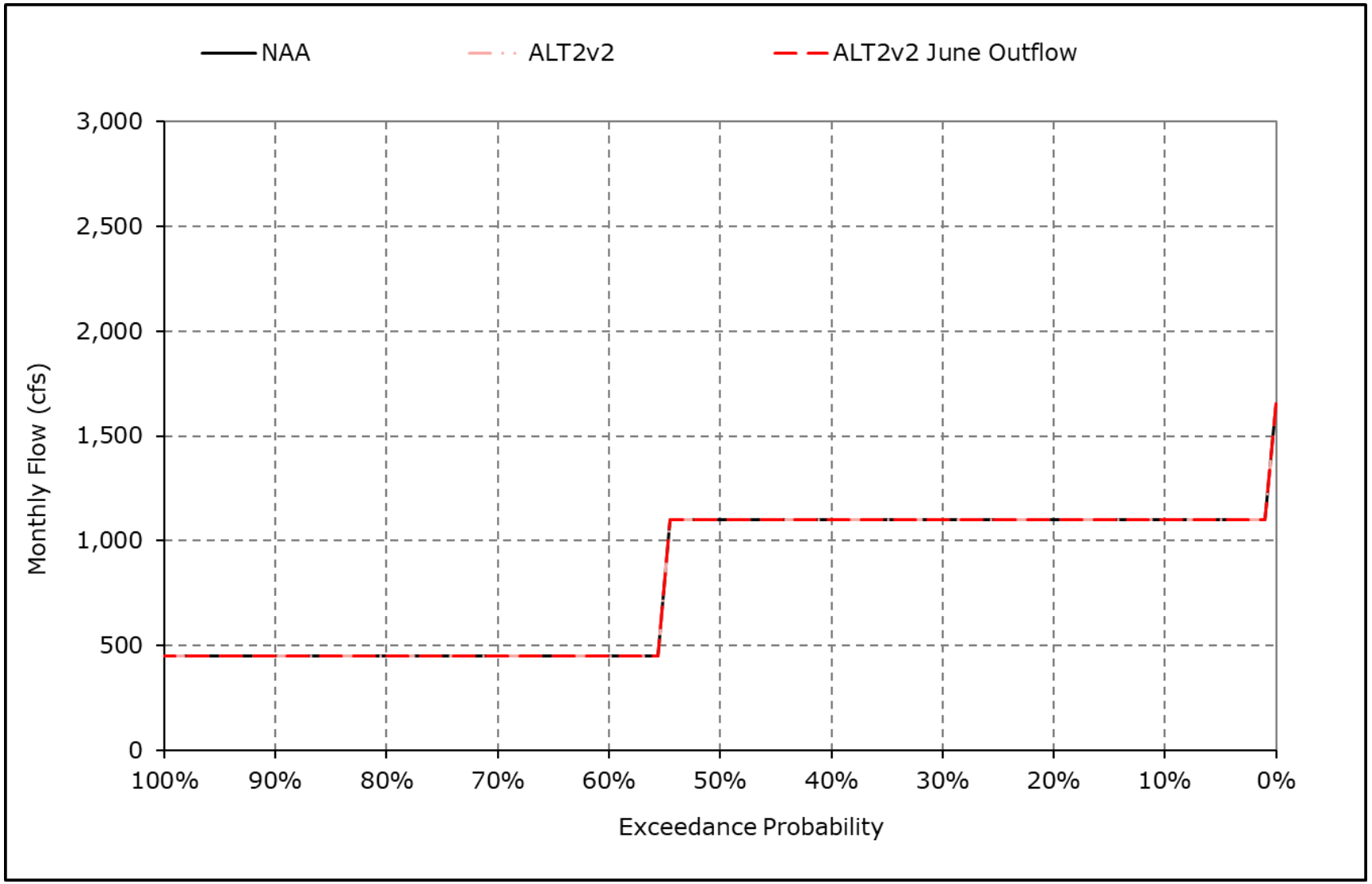
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-14. Trinity River Flow below Lewiston, May



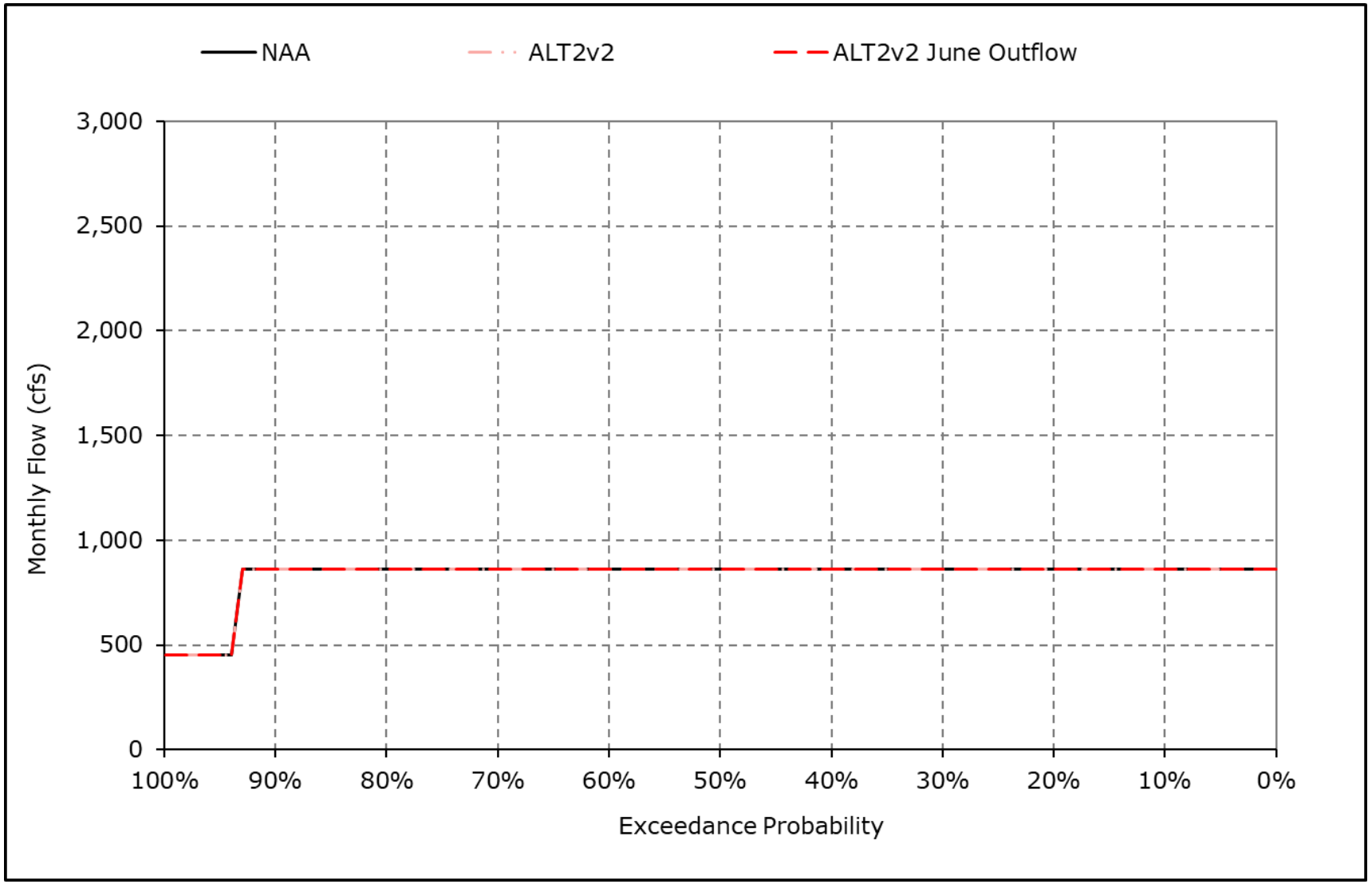
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-1-15. Trinity River Flow below Lewiston, June



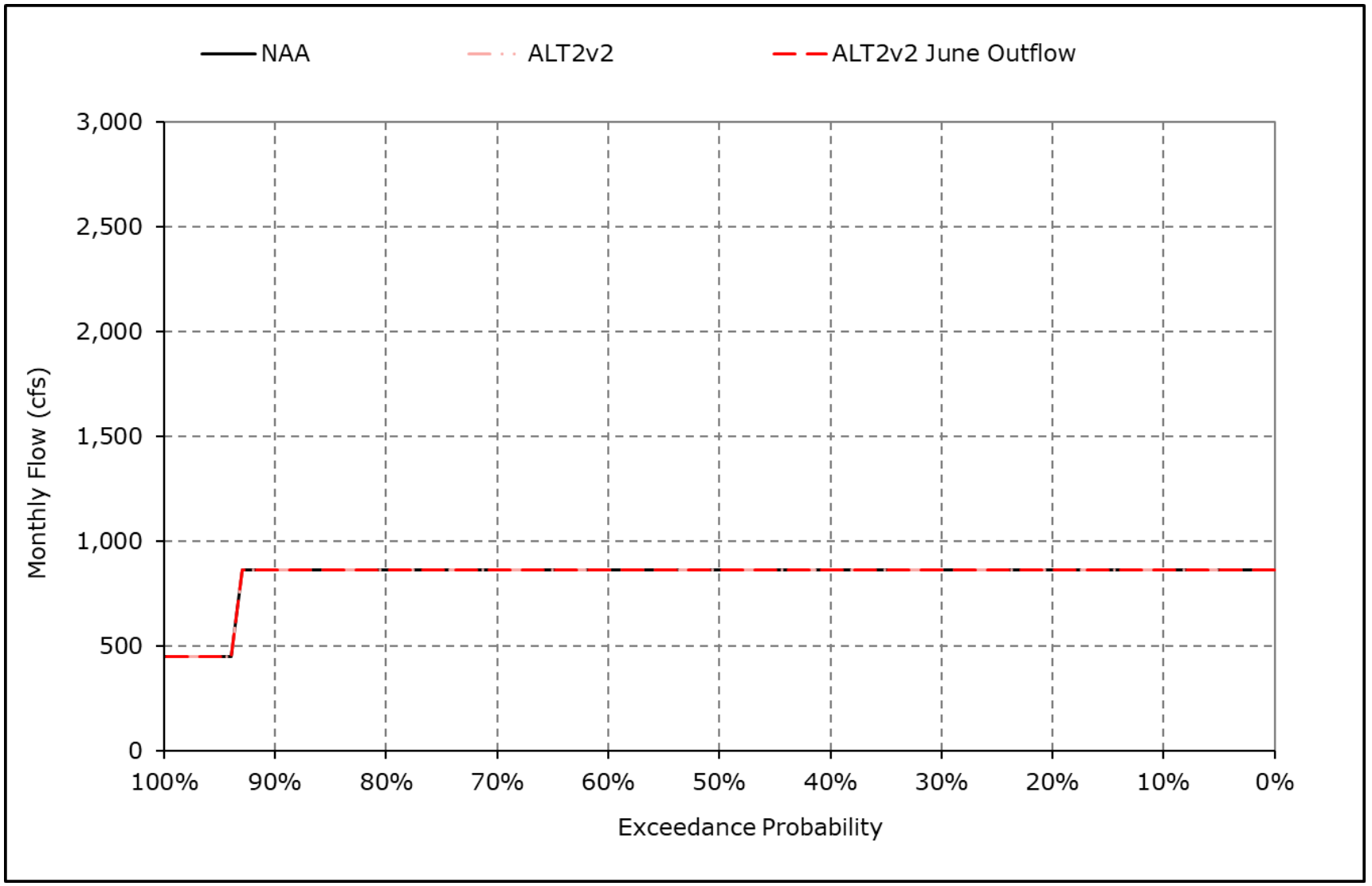
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-2-1c. Clear Creek below Whiskeytown Dam Flow, ALT2v2 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.2.2-2-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

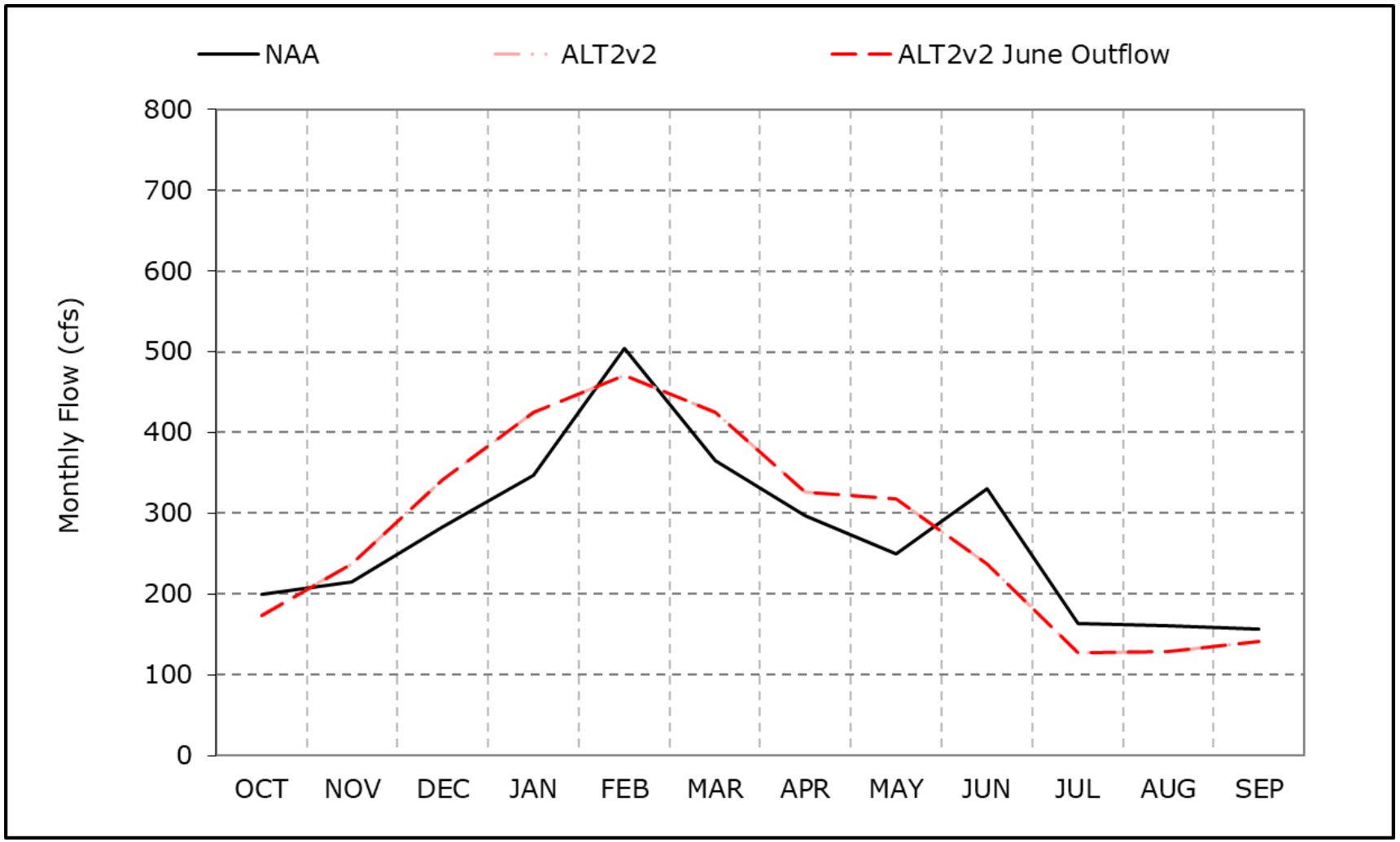
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	146	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	134	135	150
40% Exceedance	177	238	337	400	438	403	320	319	245	126	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%)	133	138	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.2.2-2-2c. Clear Creek below Whiskeytown Dam Flow, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

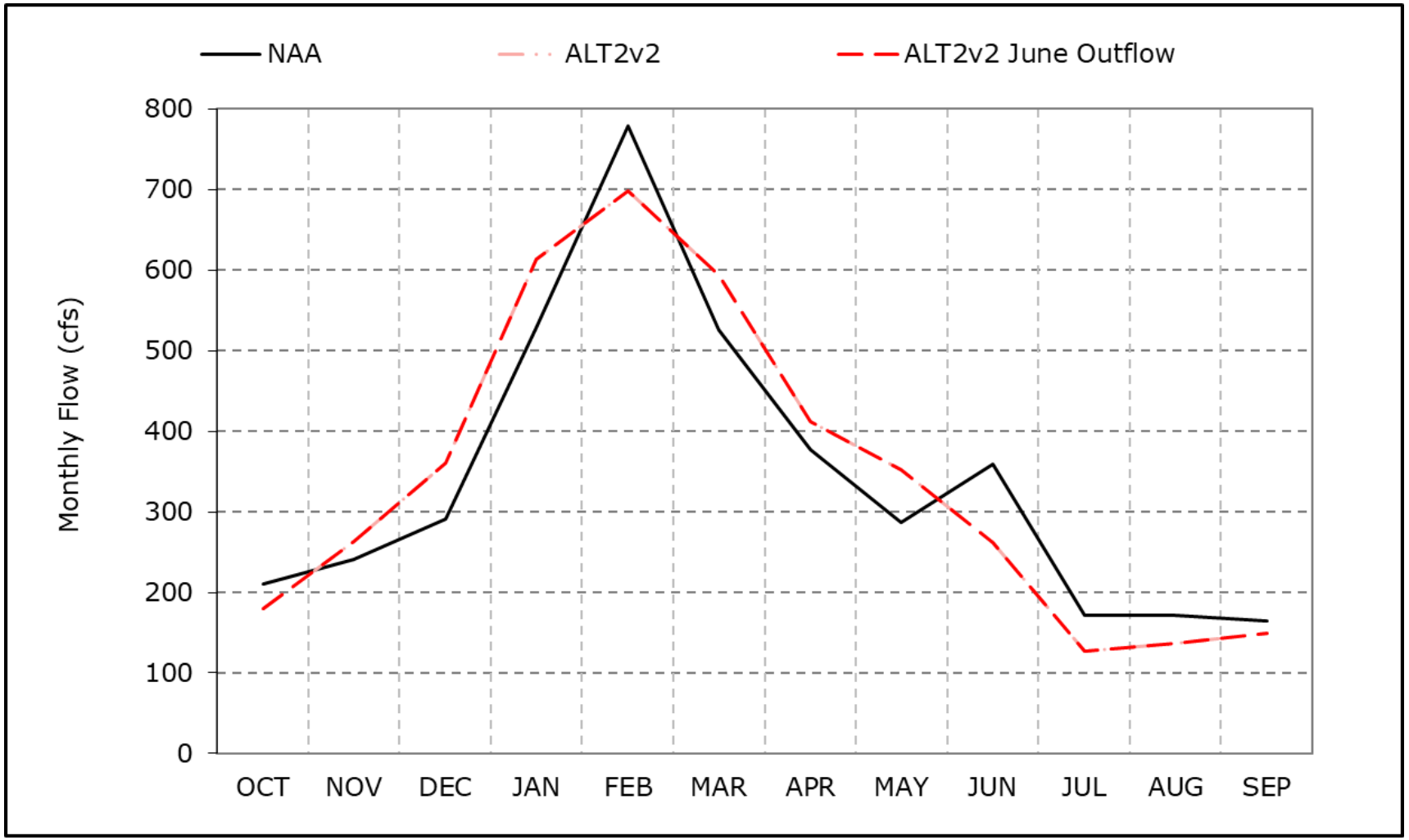
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-32	22	70	95	-66	71	35	66	-98	-26	-19	-12
20% Exceedance	-32	22	65	95	-64	70	35	66	-98	-27	-23	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-27	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-31	-10
50% Exceedance	-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]	-26	21	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%)	7	22	-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.



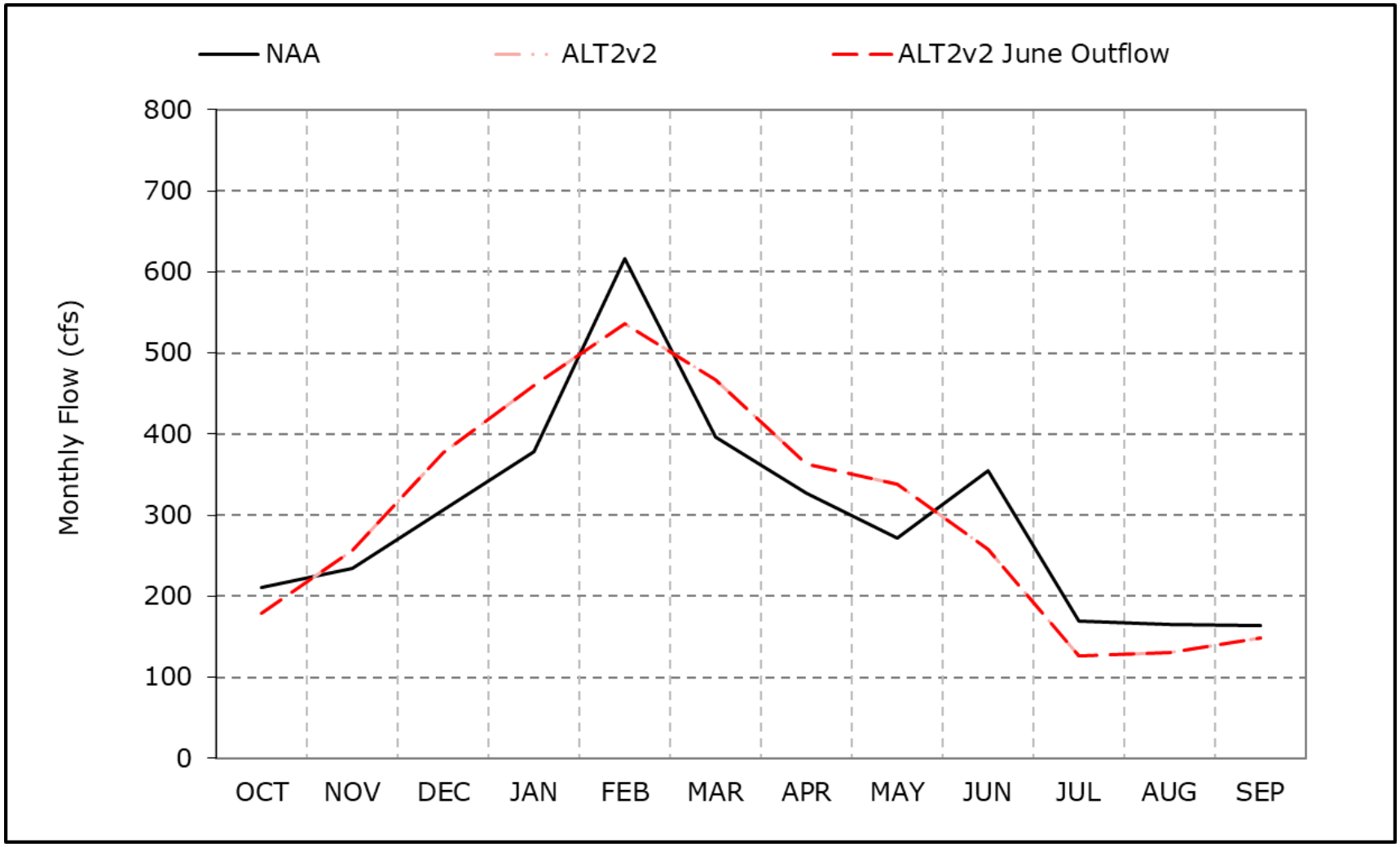
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-1. Clear Creek below Whiskeytown Dam Flow, Long-Term Average Flow



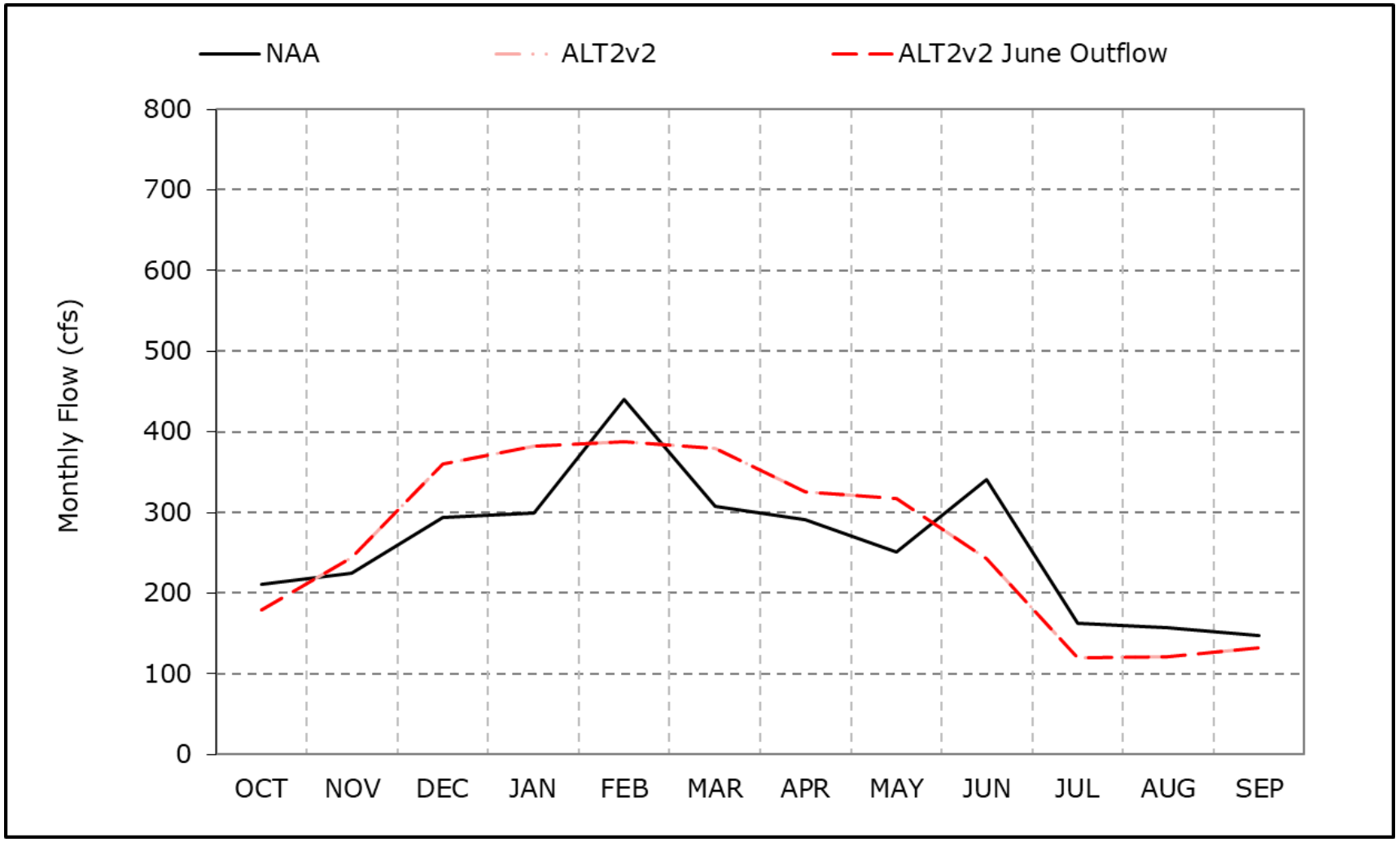
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-2. Clear Creek below Whiskeytown Dam Flow, Wet Year Average Flow



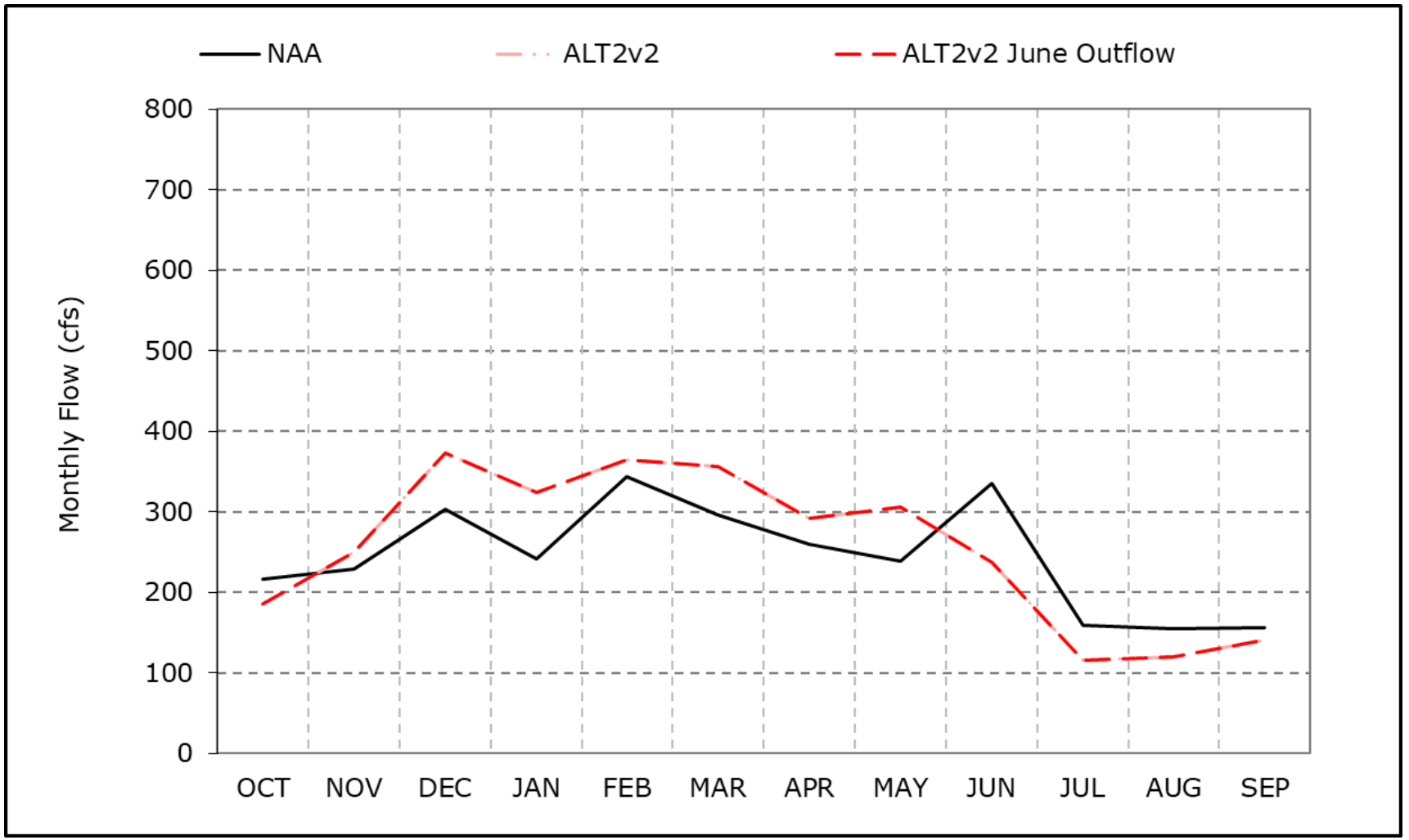
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-3. Clear Creek below Whiskeytown Dam Flow, Above Normal Year Average Flow



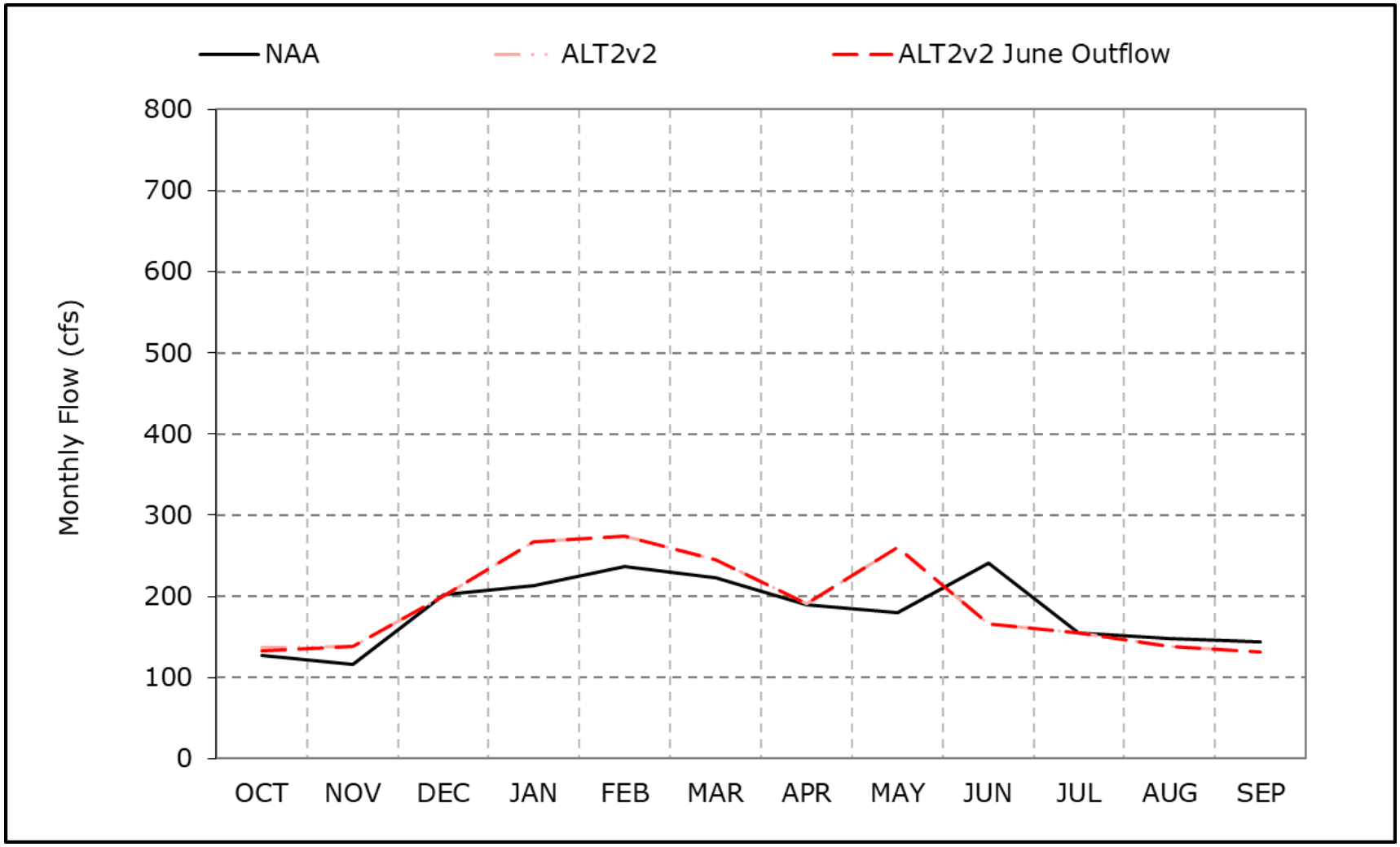
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-4. Clear Creek below Whiskeytown Dam Flow, Below Normal Year Average Flow



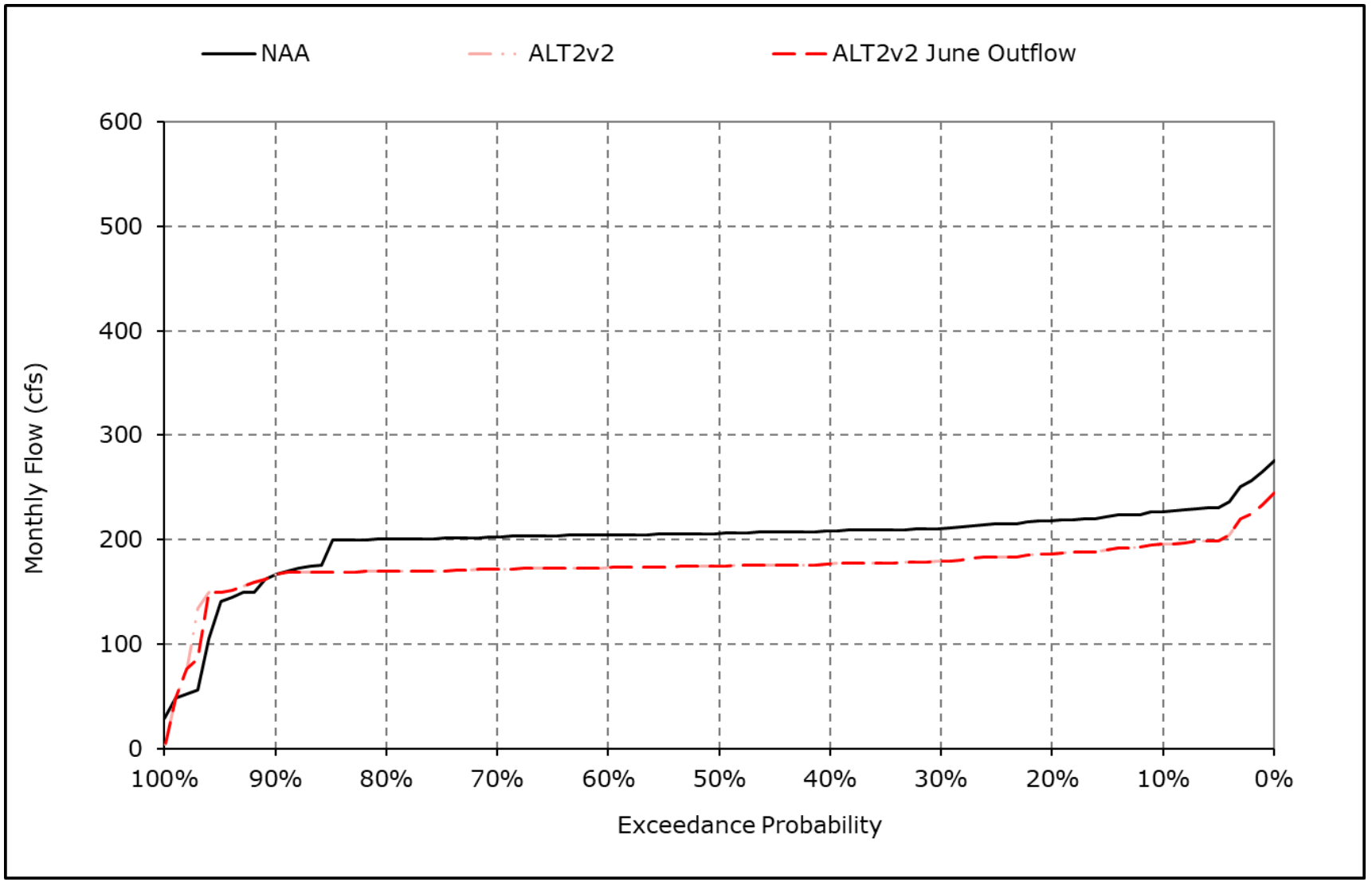
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-5. Clear Creek below Whiskeytown Dam Flow, Dry Year Average Flow



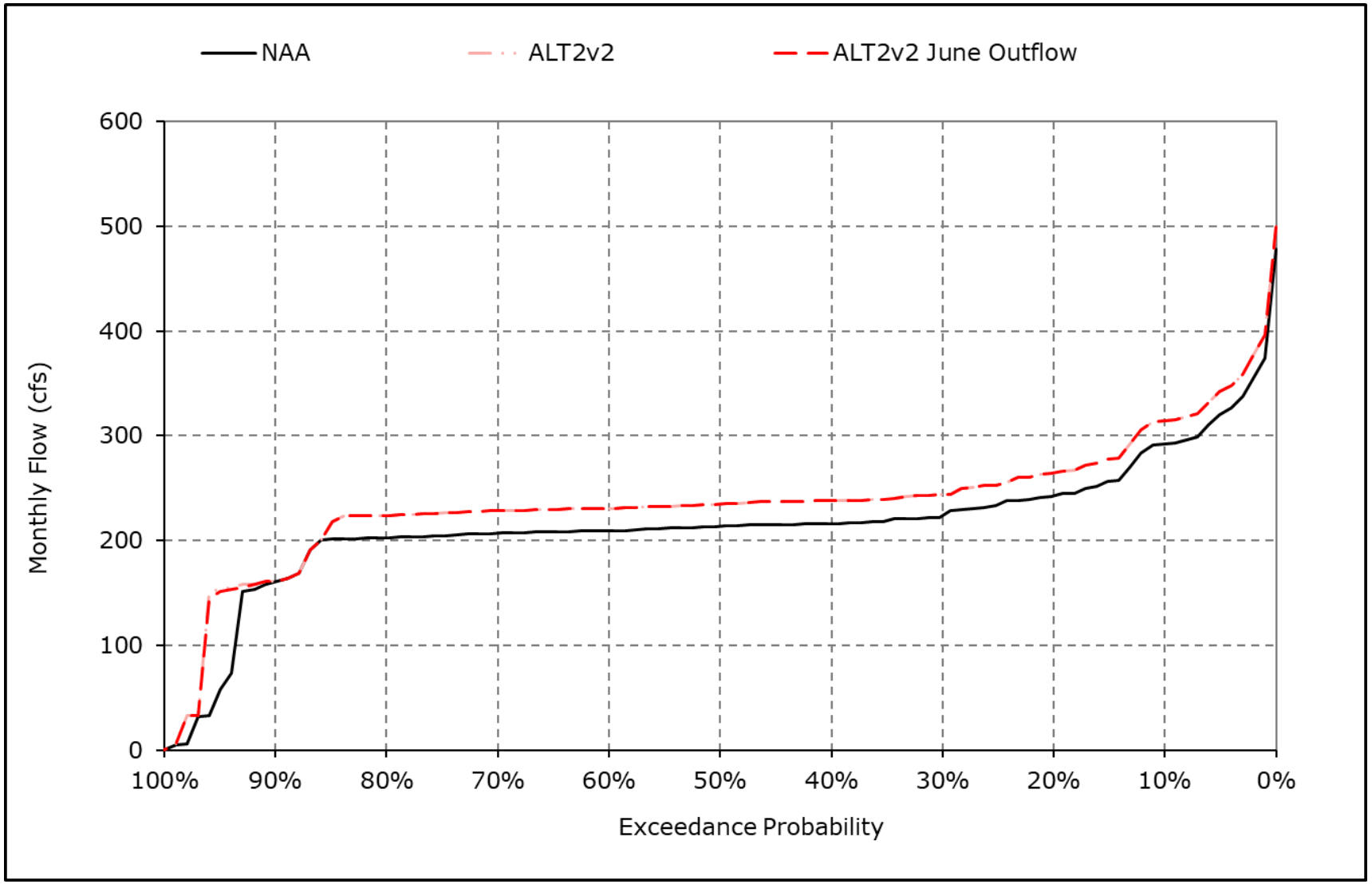
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-2-6. Clear Creek below Whiskeytown Dam Flow, Critical Year Average Flow



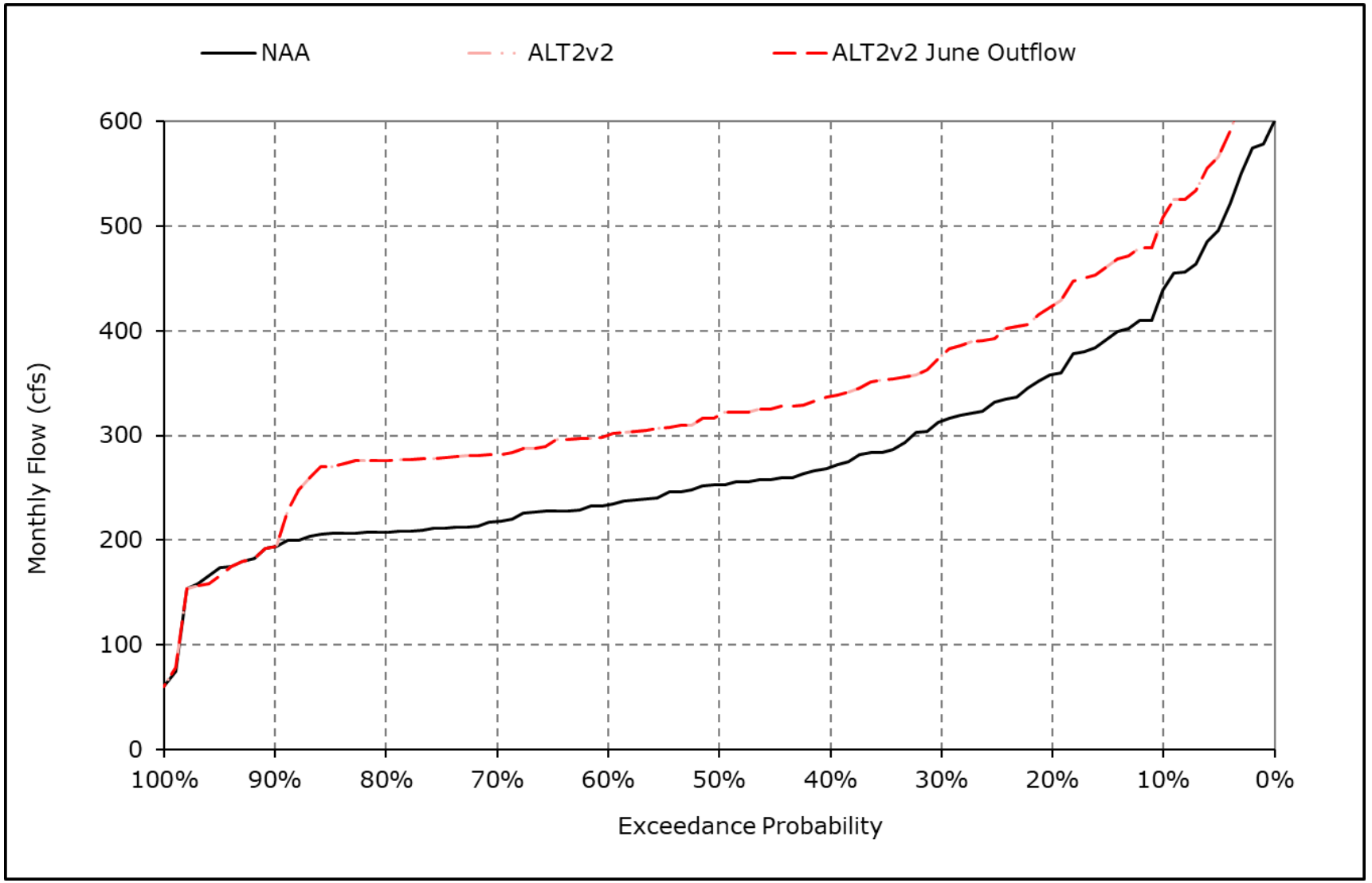
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-7. Clear Creek below Whiskeytown Dam Flow, October



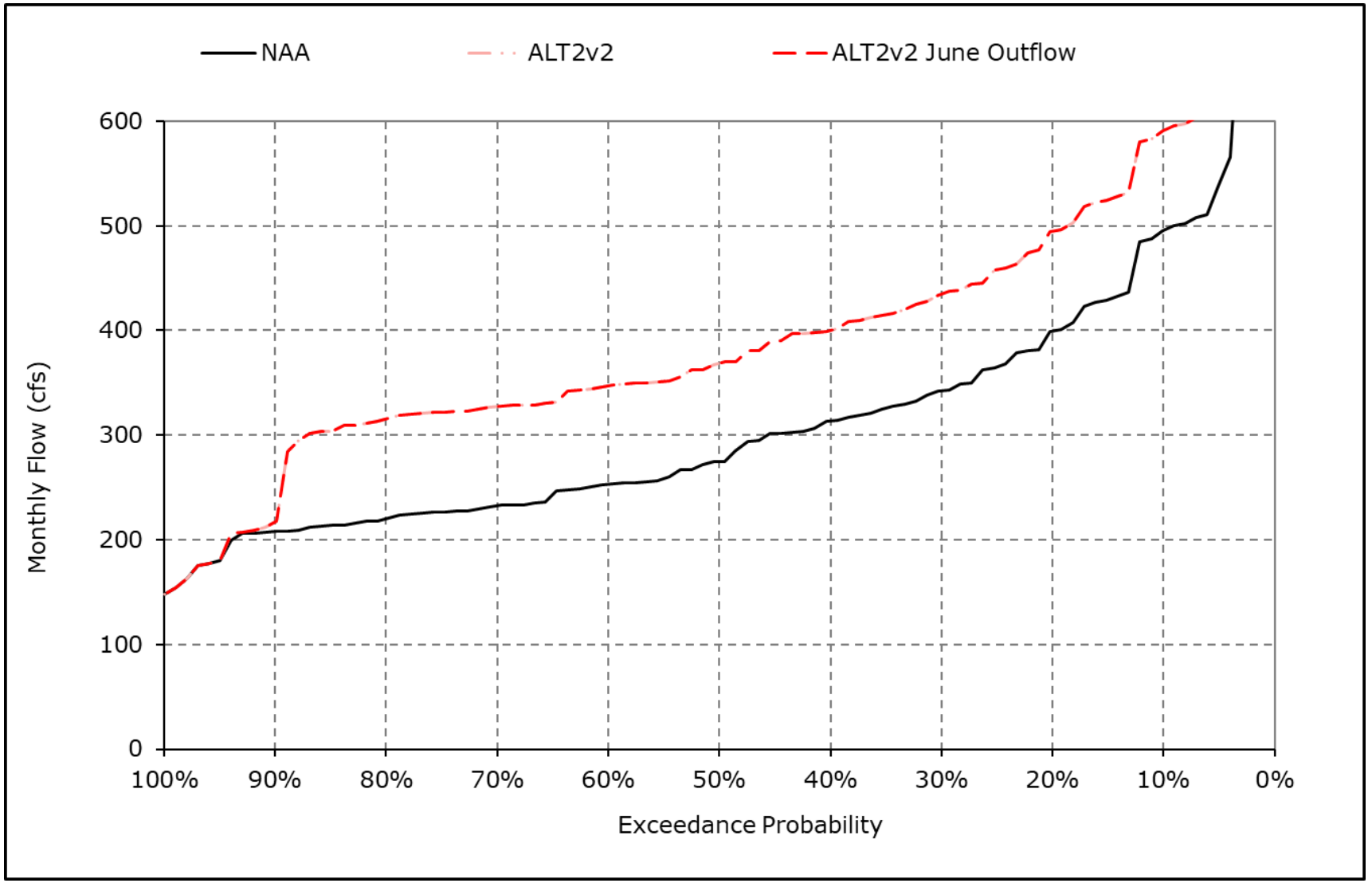
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-8. Clear Creek below Whiskeytown Dam Flow, November



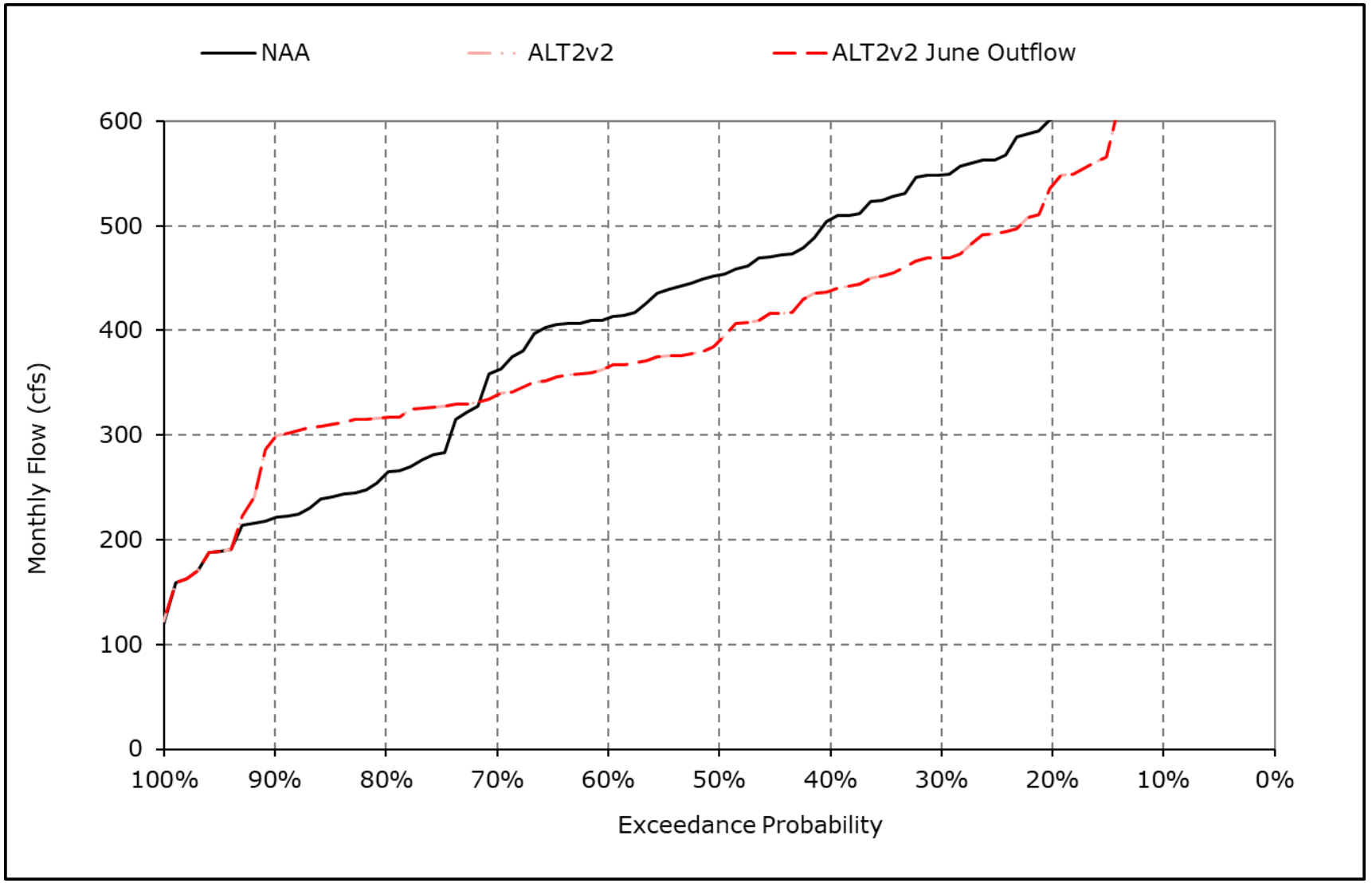
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-9. Clear Creek below Whiskeytown Dam Flow, December



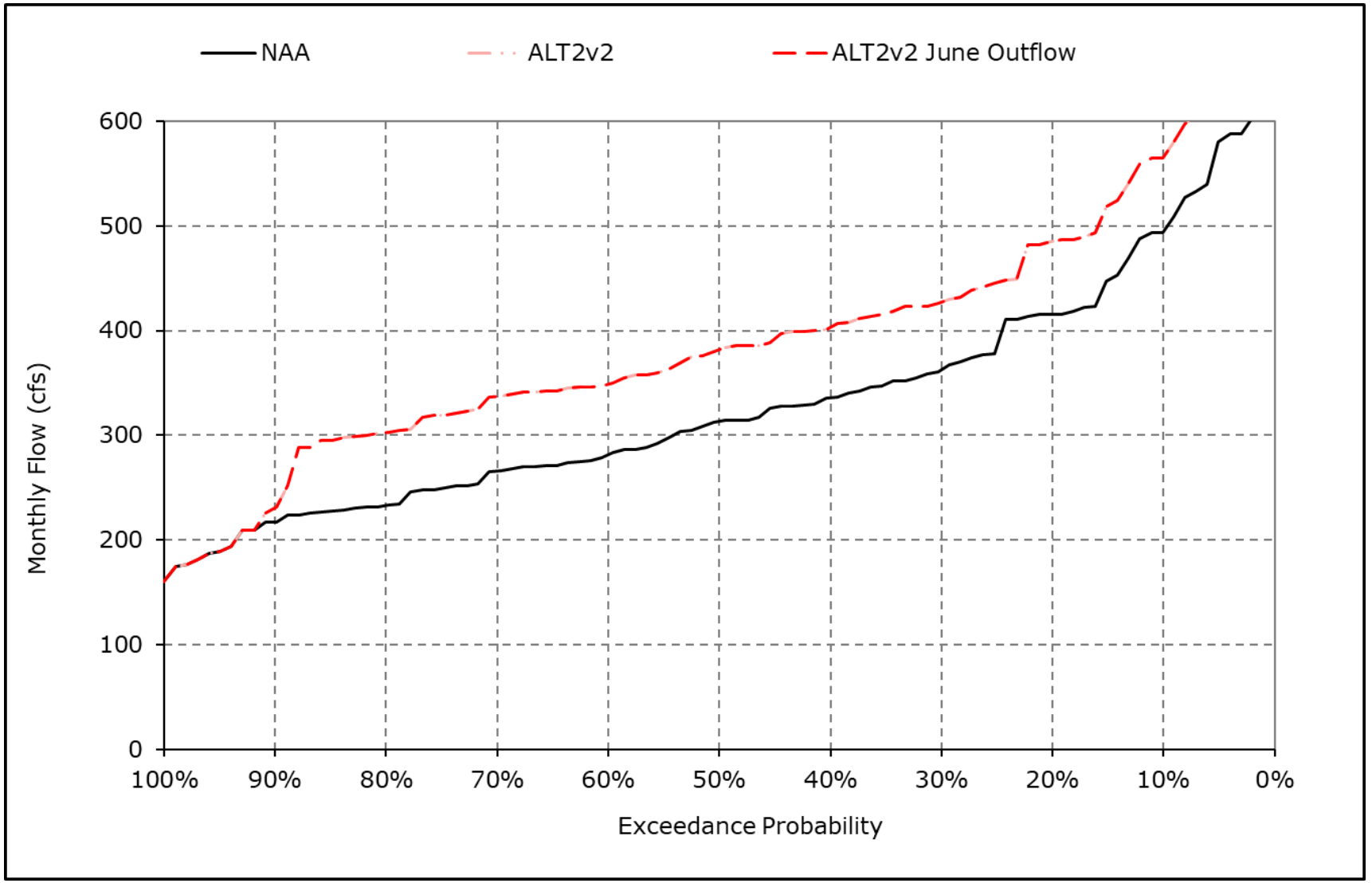
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-10. Clear Creek below Whiskeytown Dam Flow, January



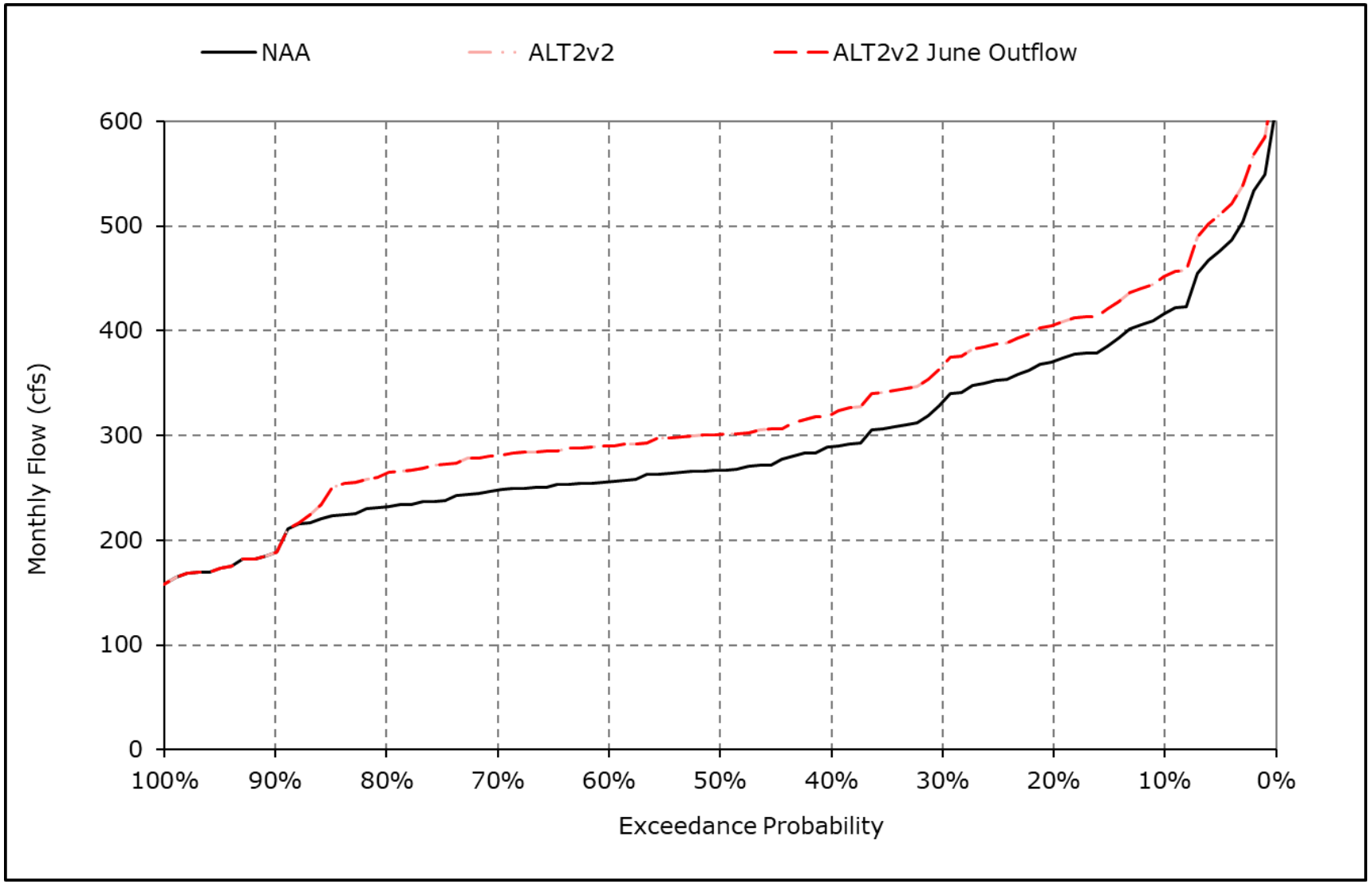
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-11. Clear Creek below Whiskeytown Dam Flow, February



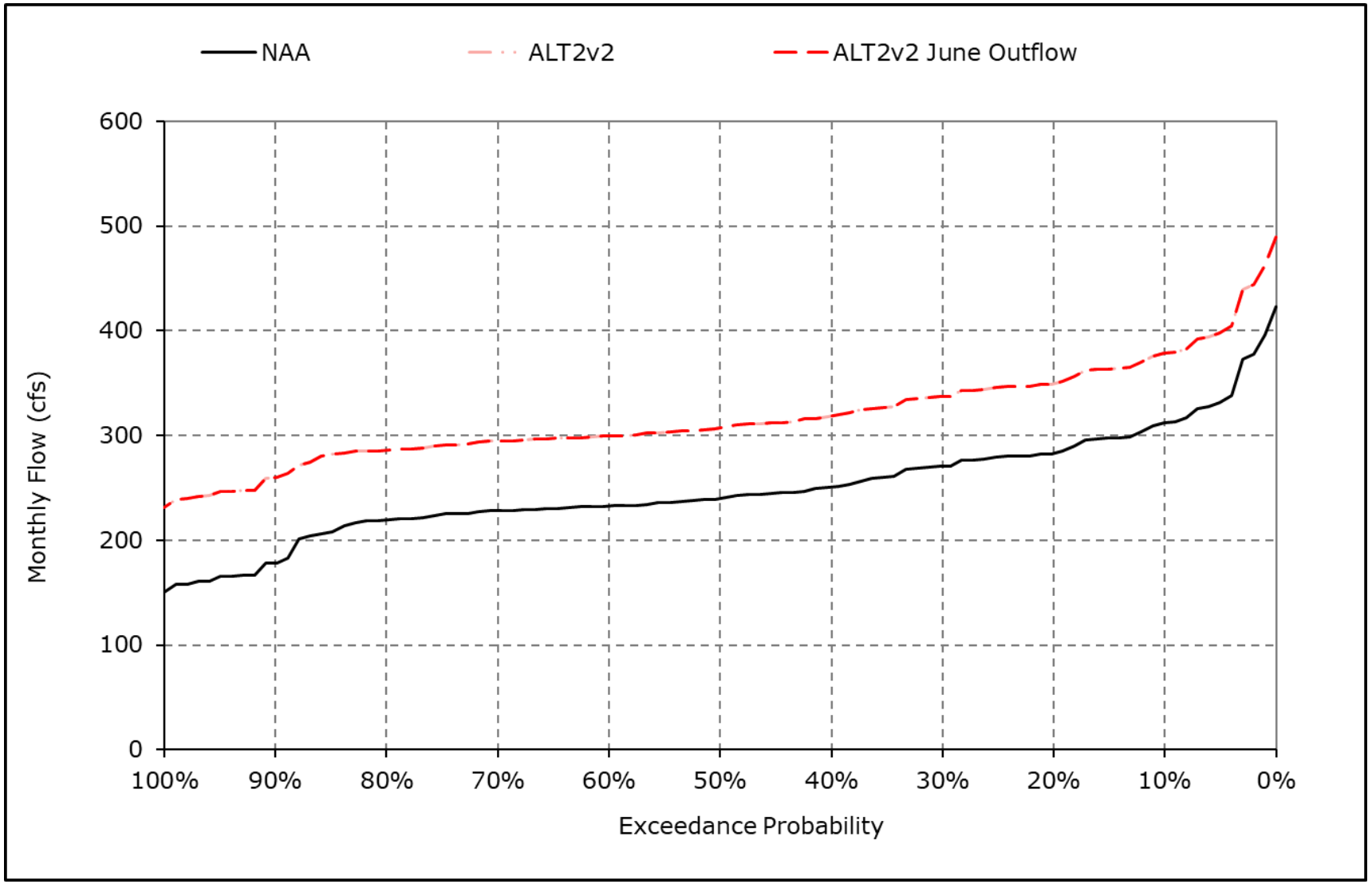
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-12. Clear Creek below Whiskeytown Dam Flow, March



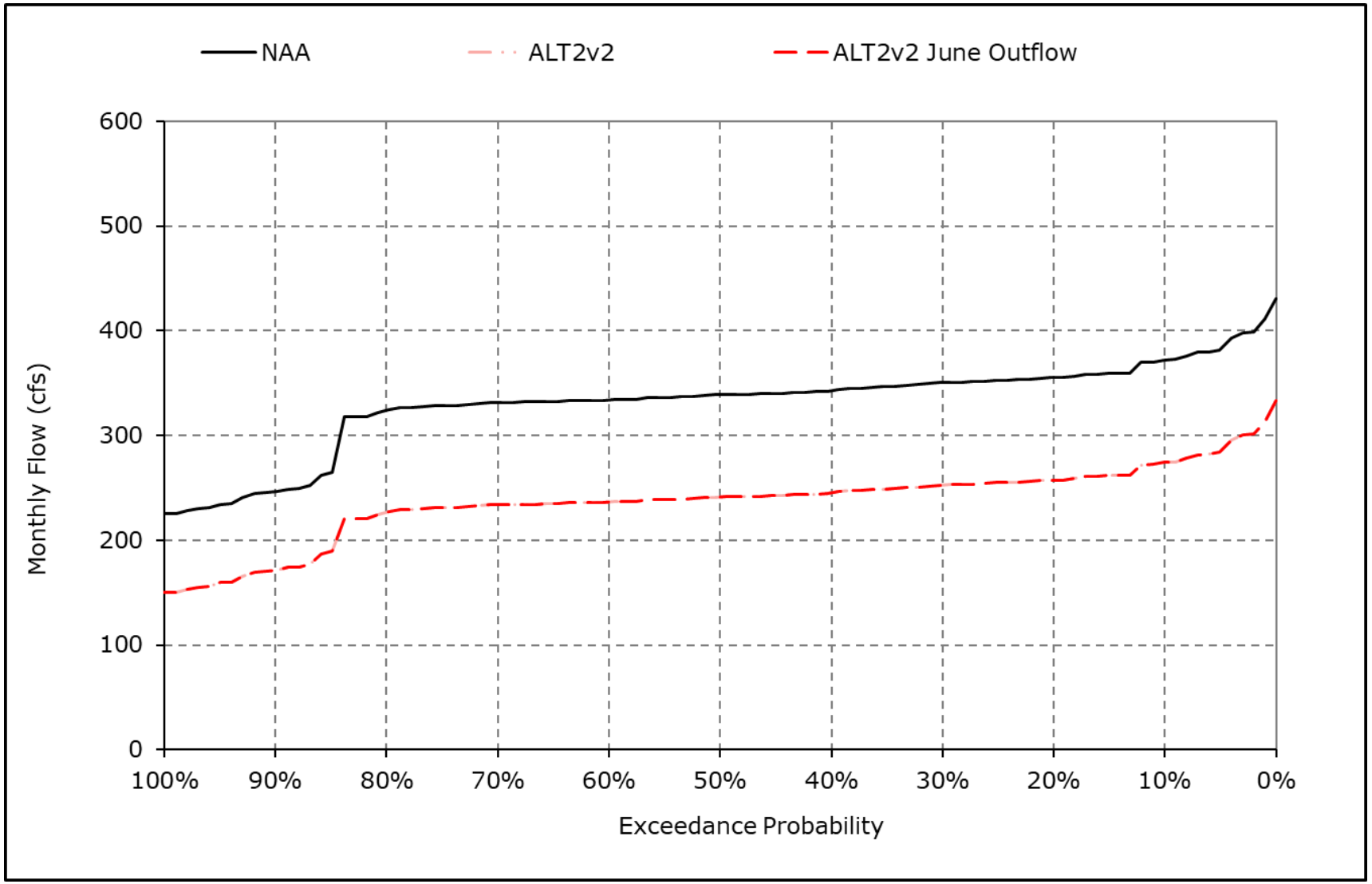
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-13. Clear Creek below Whiskeytown Dam Flow, April



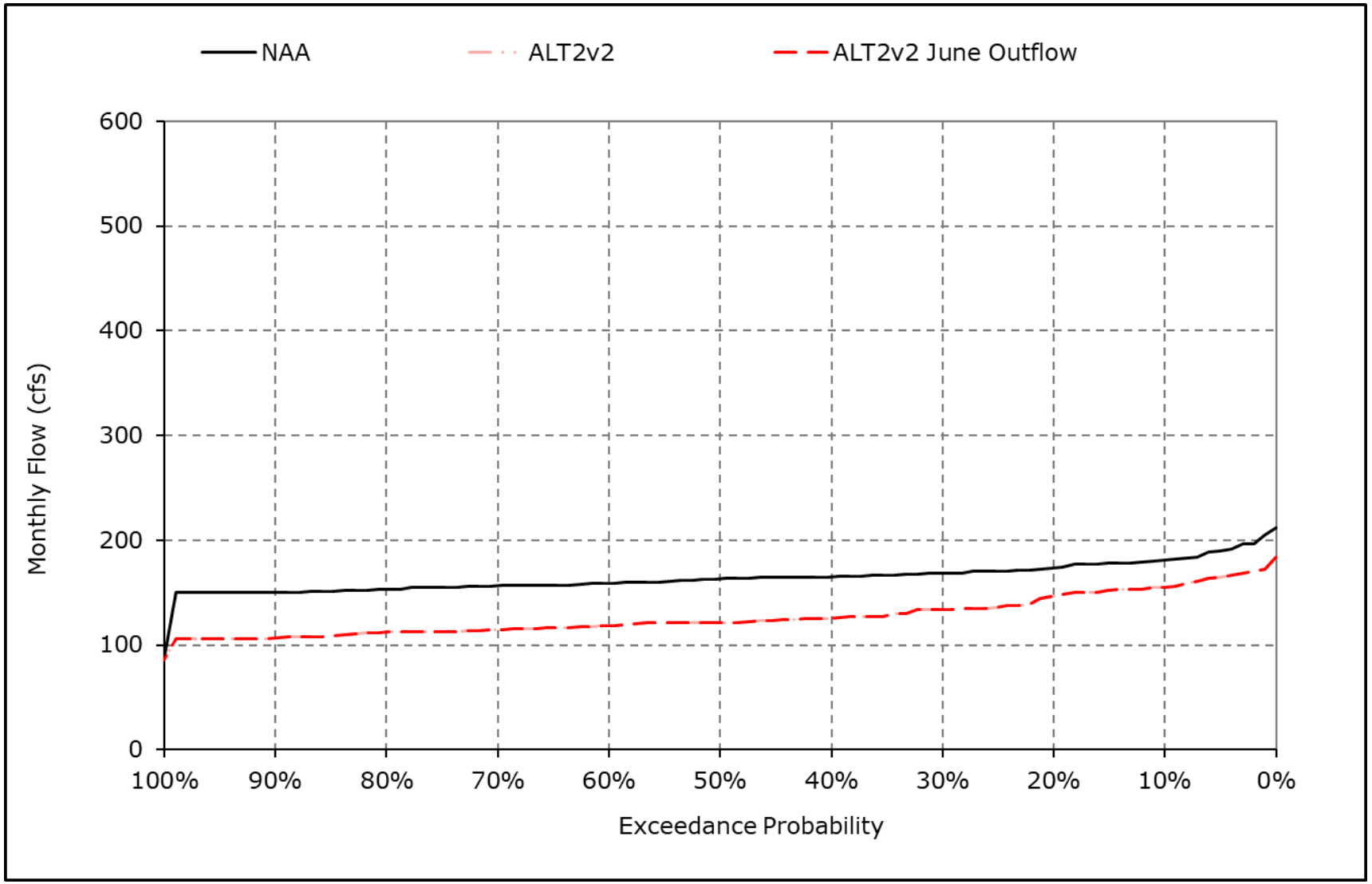
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-14. Clear Creek below Whiskeytown Dam Flow, May



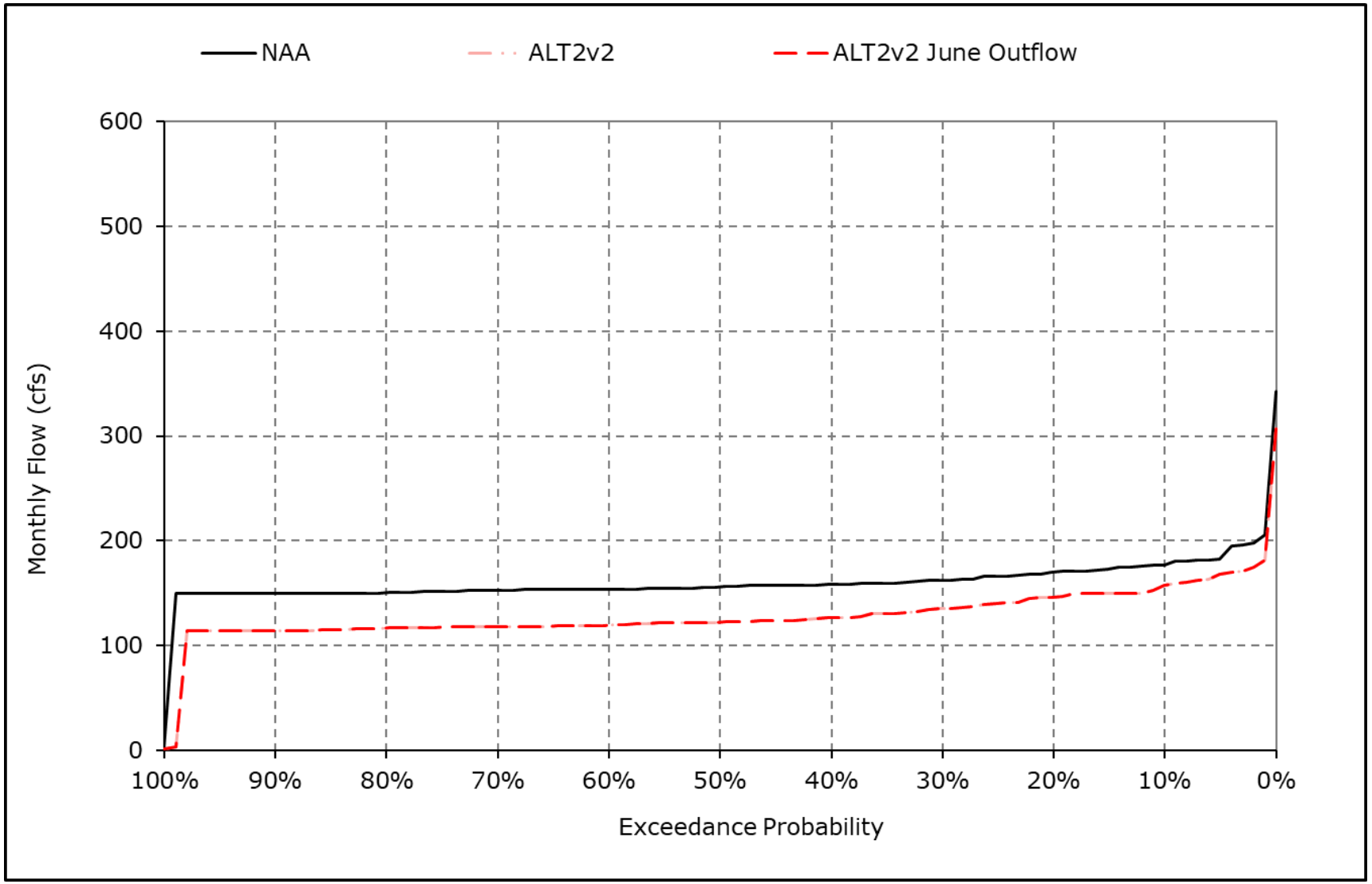
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-2-15. Clear Creek below Whiskeytown Dam Flow, June



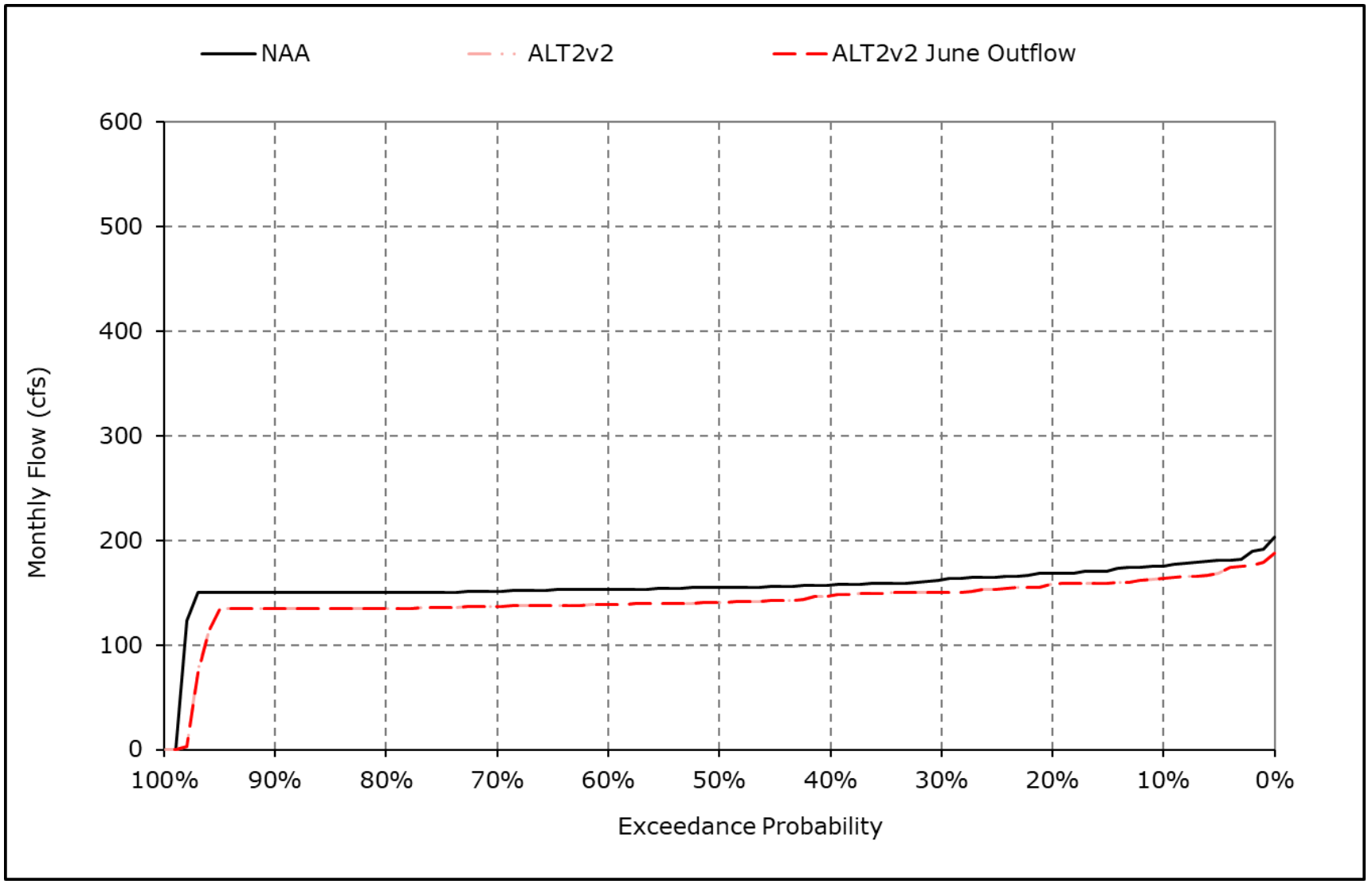
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-3-1c. Sacramento River Flow downstream of Keswick Reservoir, ALT2v2 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.2.2-3-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

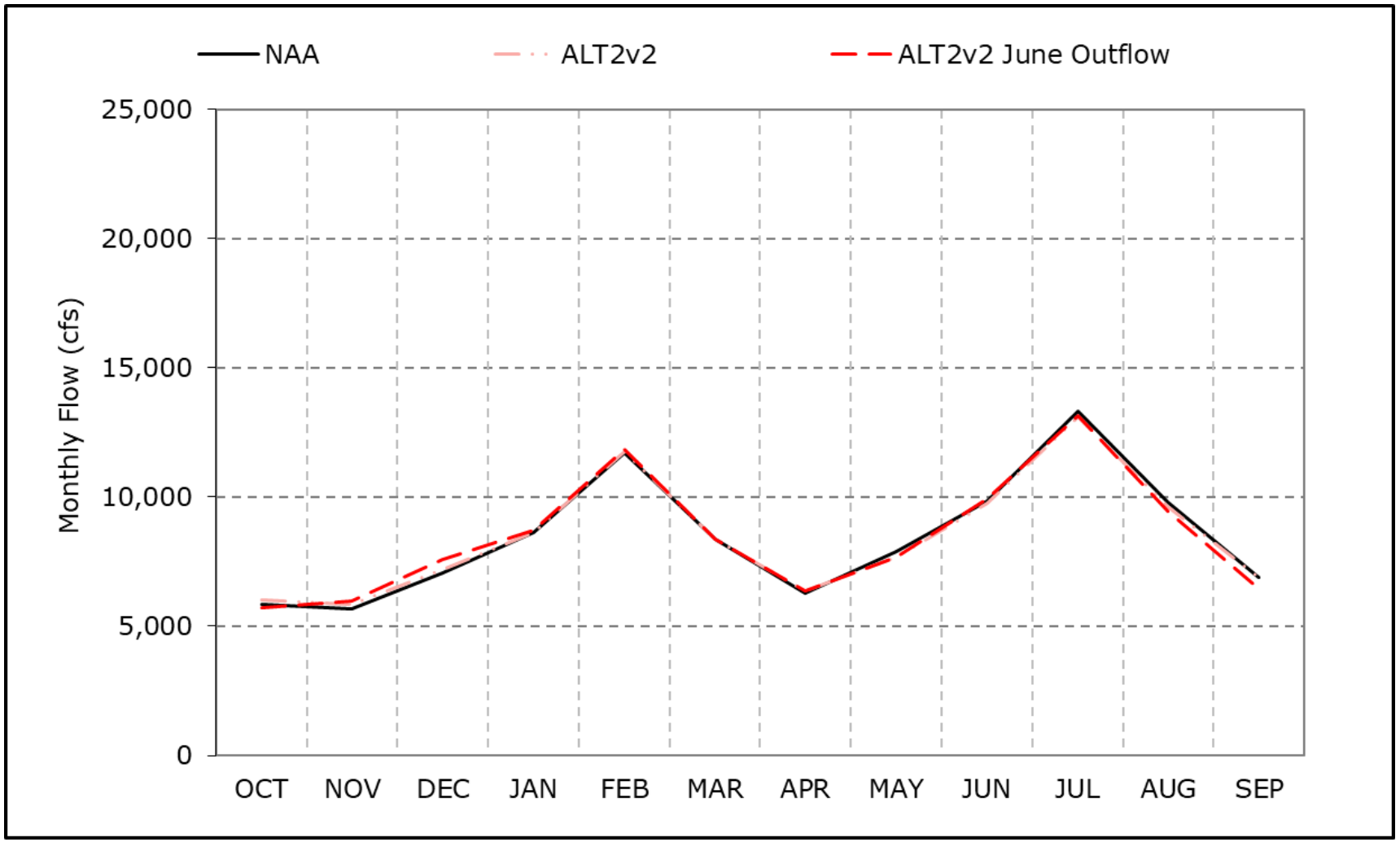
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,274	8,200	17,929	22,488	32,029	16,010	9,533	9,653	13,152	16,000	12,147	8,751
20% Exceedance	7,069	6,993	10,228	13,342	20,837	13,257	7,652	9,121	12,030	15,782	11,091	7,446
30% Exceedance	6,305	6,480	7,249	8,218	9,644	8,581	7,009	8,662	11,250	15,316	10,466	6,997
40% Exceedance	5,810	6,102	5,727	3,726	6,348	4,539	5,918	8,201	10,731	14,337	9,820	6,576
50% Exceedance	5,321	5,619	4,650	3,250	3,831	3,932	5,513	7,569	9,536	13,480	9,412	6,063
60% Exceedance	5,081	5,199	3,723	3,250	3,250	3,250	4,919	6,895	8,632	12,729	8,984	5,747
70% Exceedance	4,842	4,793	3,264	3,250	3,250	3,250	4,079	6,575	8,339	11,488	8,439	5,562
80% Exceedance	4,408	4,401	3,250	3,250	3,250	3,250	3,250	5,867	7,994	10,879	8,199	5,137
90% Exceedance	3,979	3,265	3,250	3,250	3,250	3,250	3,250	4,936	7,196	9,585	7,502	4,642
Full Simulation Period Average[a]	5,708	5,962	7,593	8,723	11,831	8,359	6,379	7,658	9,929	13,132	9,467	6,450
Wet Water Years (28%)	7,136	6,836	9,532	18,173	24,110	15,908	9,267	7,337	9,087	13,448	10,013	8,468
Above Normal Water Years (14%)	5,794	7,439	6,249	9,825	16,068	9,803	5,398	7,881	10,700	15,436	10,183	6,878
Below Normal Water Years (18%)	5,595	5,413	7,919	4,810	5,458	5,036	5,230	9,122	10,466	13,715	10,601	5,849
Dry Water Years (24%)	4,879	5,141	8,571	3,303	4,888	4,075	5,457	7,685	10,807	12,978	9,293	5,600
Critical Water Years (16%)	4,417	4,824	3,366	3,754	4,218	4,051	4,861	6,339	8,807	10,134	6,872	4,494

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

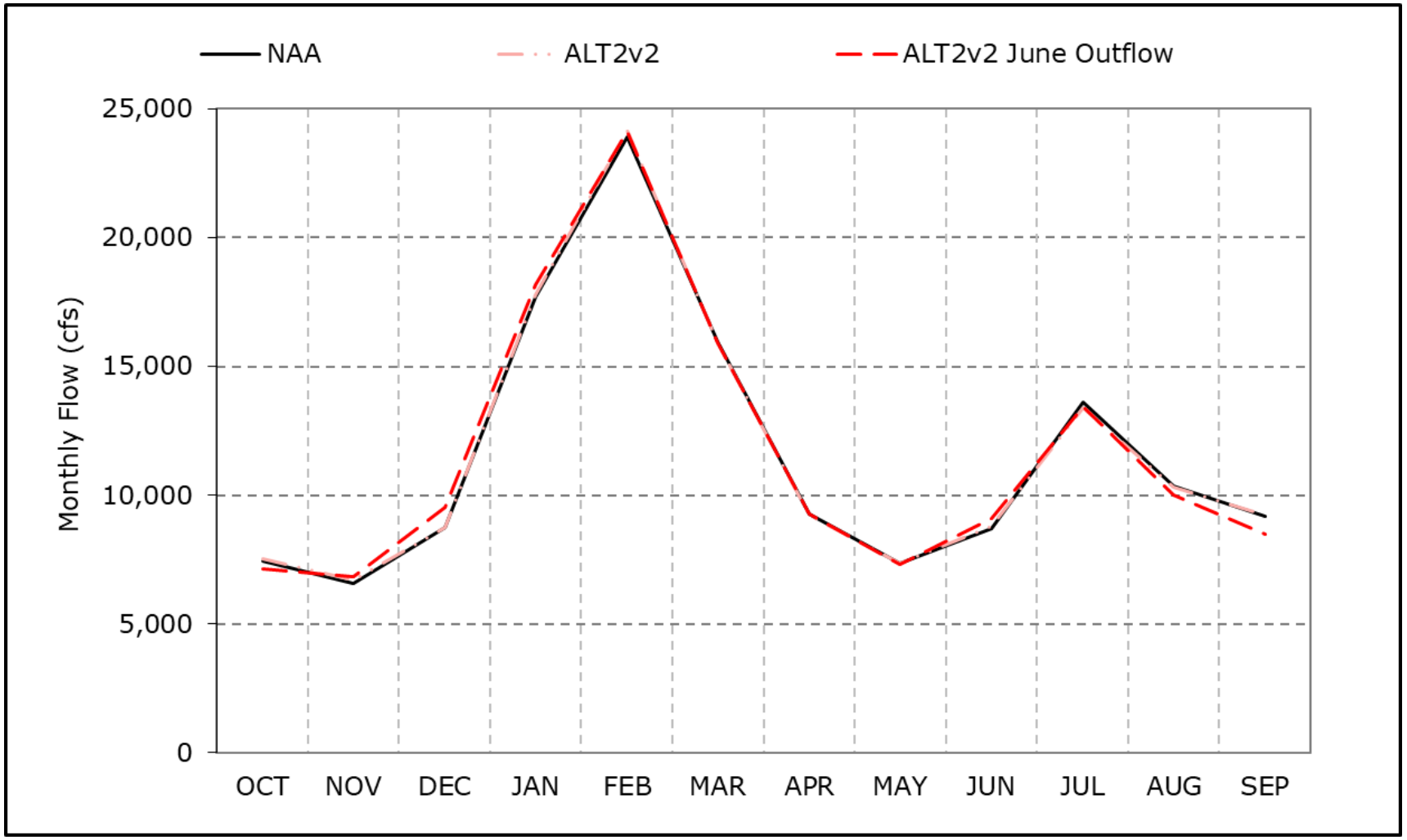
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-87	690	-16	2,909	88	-1,980	-121	-505	-31	0	-421	-915
20% Exceedance	-486	-30	1,772	-656	671	261	-226	-54	85	-218	-183	-1,314
30% Exceedance	-634	291	1,144	-95	-146	-135	227	-108	66	1	-159	-1,125
40% Exceedance	-236	265	930	-171	348	70	114	-108	286	-72	-88	-592
50% Exceedance	35	381	972	0	94	174	314	-334	321	-220	-97	84
60% Exceedance	-69	177	463	0	0	0	417	-538	92	-327	-174	-11
70% Exceedance	-40	90	14	0	0	0	779	-313	112	-256	-169	17
80% Exceedance	-75	576	0	0	0	0	0	-501	237	-108	-110	-72
90% Exceedance	395	1	0	0	0	0	0	-254	-278	180	-77	-248
Full Simulation Period Average[a]	-161	287	526	90	120	7	100	-241	66	-175	-337	-460
Wet Water Years (28%)	-317	261	771	456	182	-61	2	-21	368	-159	-359	-709
Above Normal Water Years (14%)	-763	222	843	-187	-7	-196	-29	-44	602	-116	-822	-1,692
Below Normal Water Years (18%)	70	402	223	-101	180	24	-95	-186	57	-444	-170	242
Dry Water Years (24%)	69	116	579	-96	195	-62	-135	-365	-143	-160	187	75
Critical Water Years (16%)	85	536	31	186	-59	389	956	-674	-607	25	-852	-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.



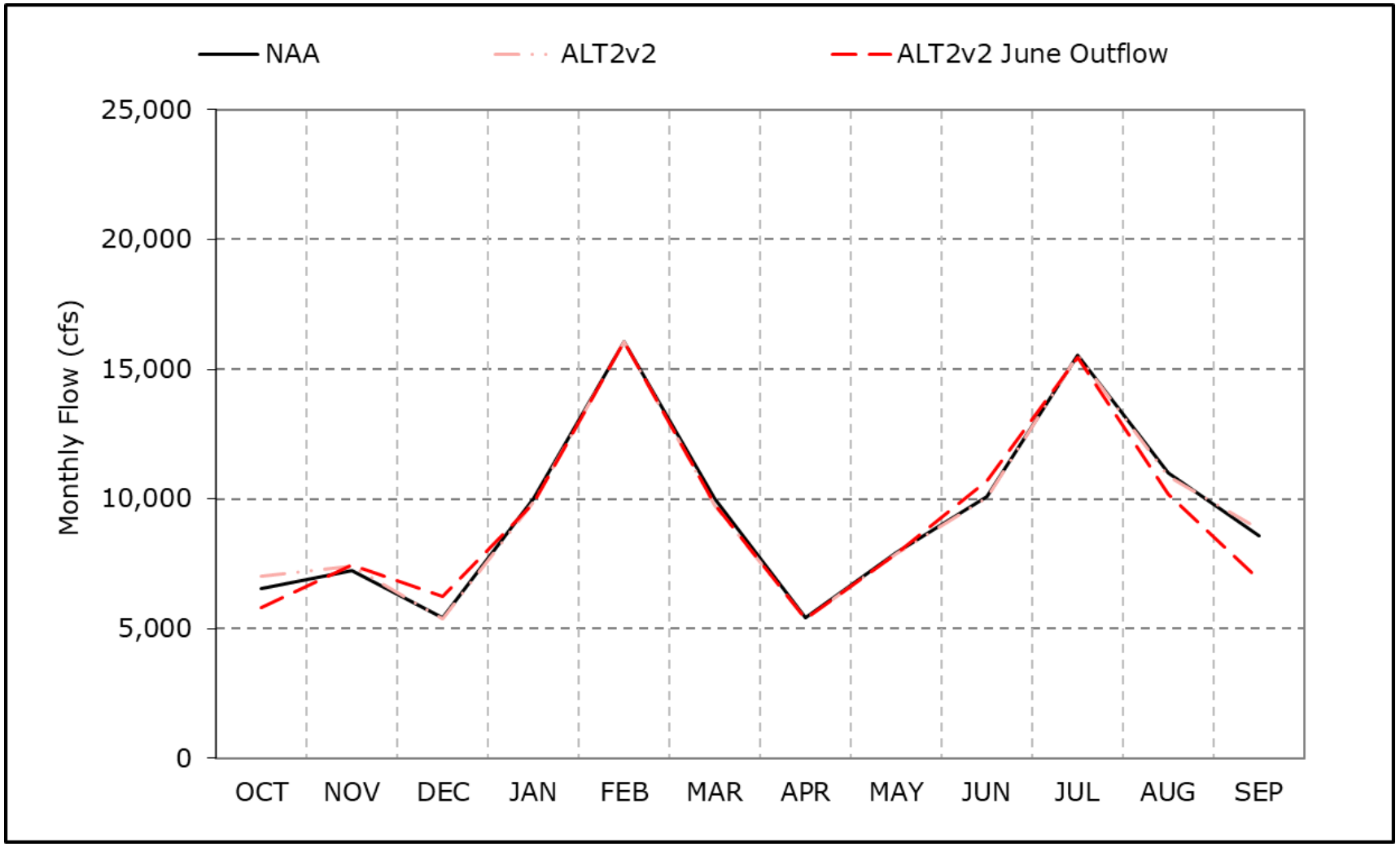
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-1. Sacramento River Flow downstream of Keswick Reservoir, Long- Term Average Flow



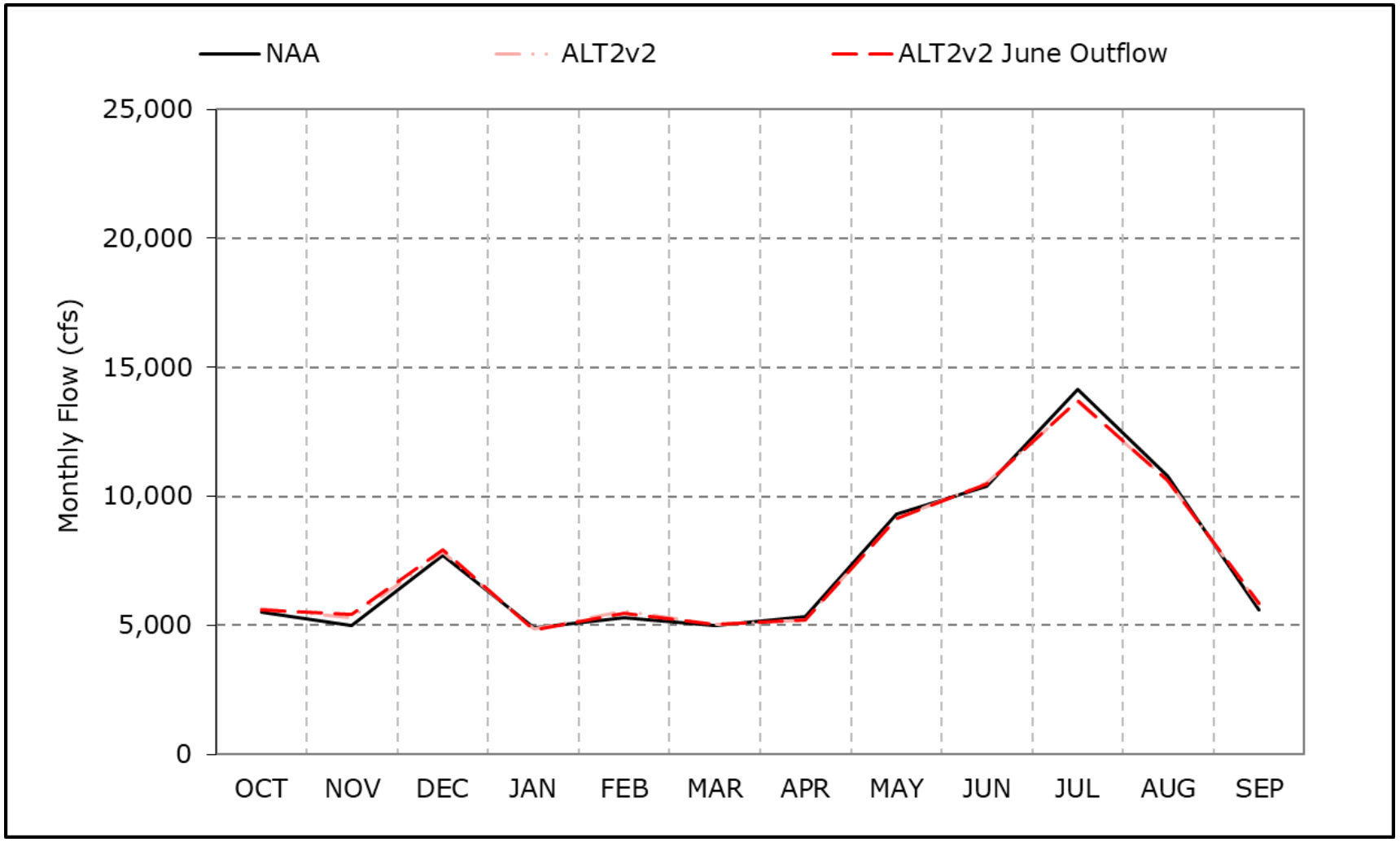
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-2. Sacramento River Flow downstream of Keswick Reservoir, Wet Year Average Flow



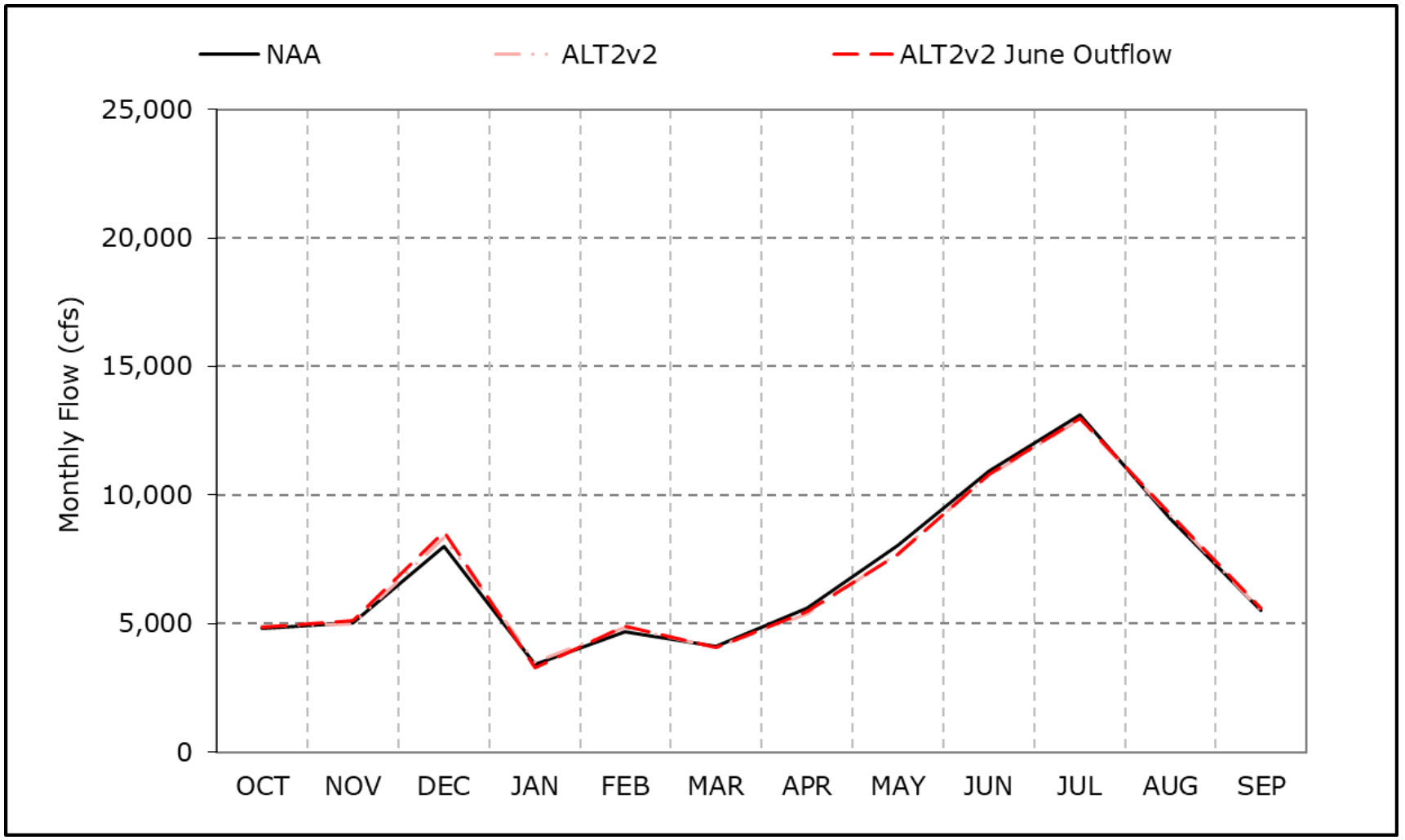
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-3. Sacramento River Flow downstream of Keswick Reservoir, Above Normal Year Average Flow



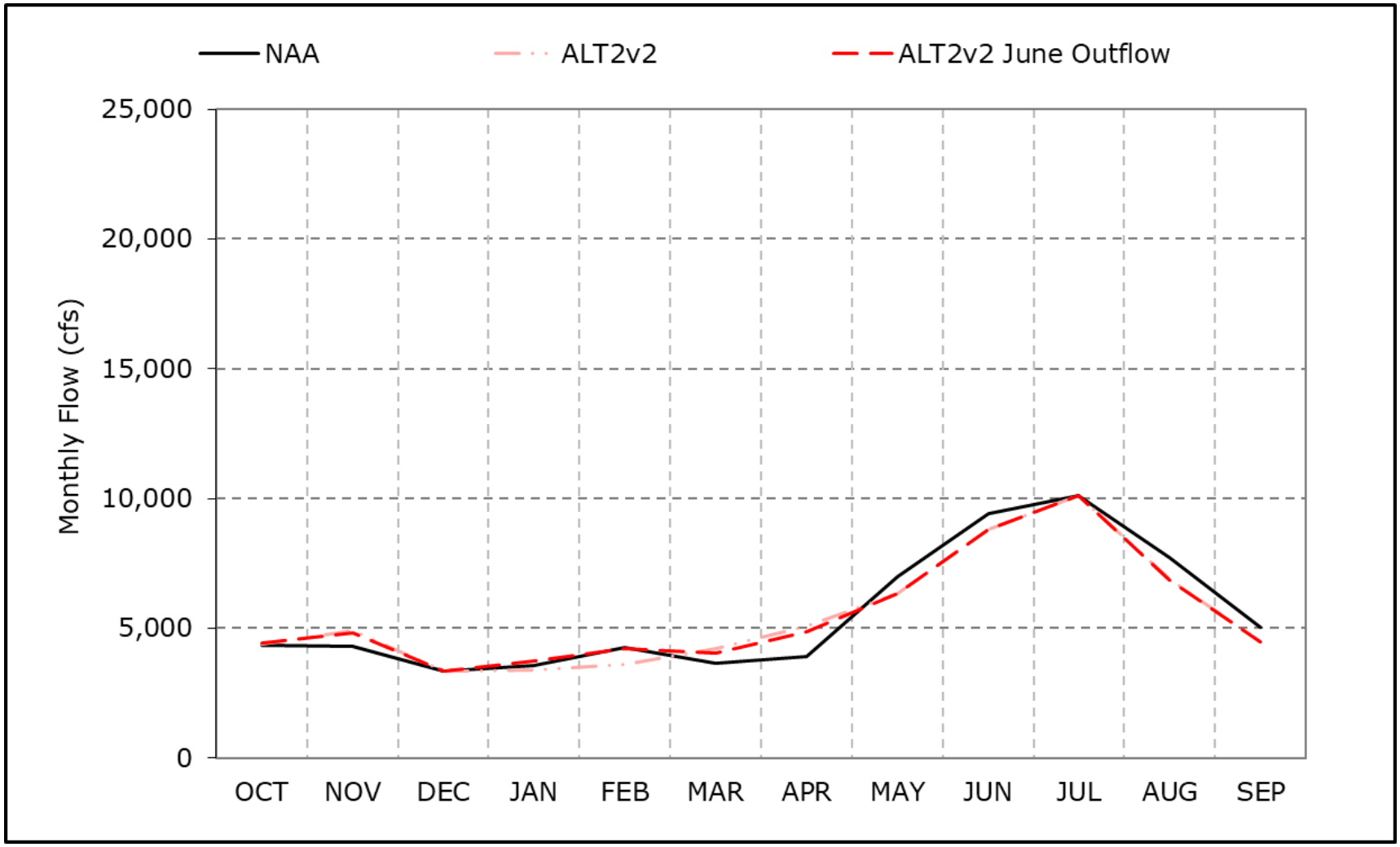
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-4. Sacramento River Flow downstream of Keswick Reservoir, Below Normal Year Average Flow



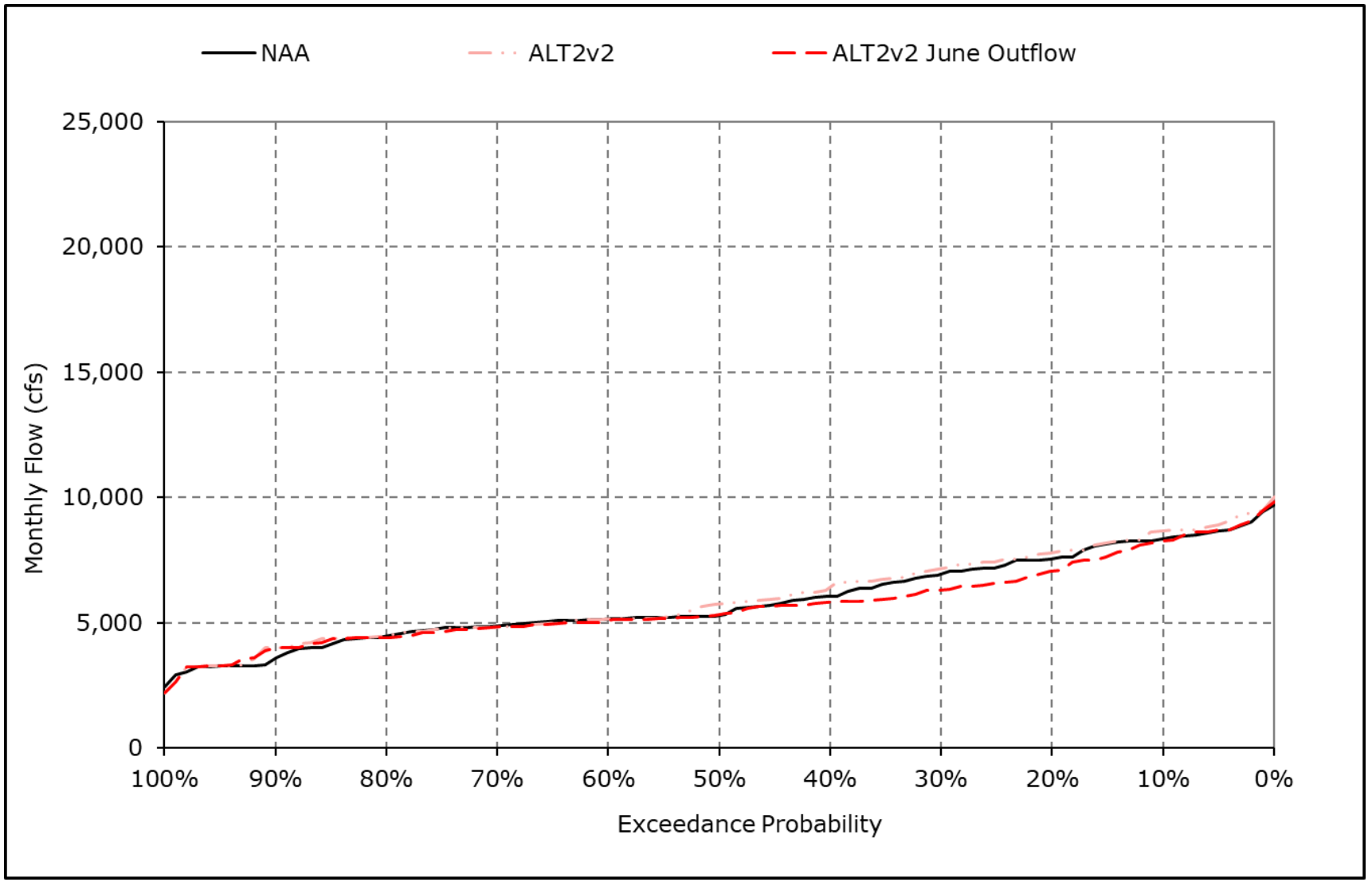
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-5. Sacramento River Flow downstream of Keswick Reservoir, Dry Year Average Flow



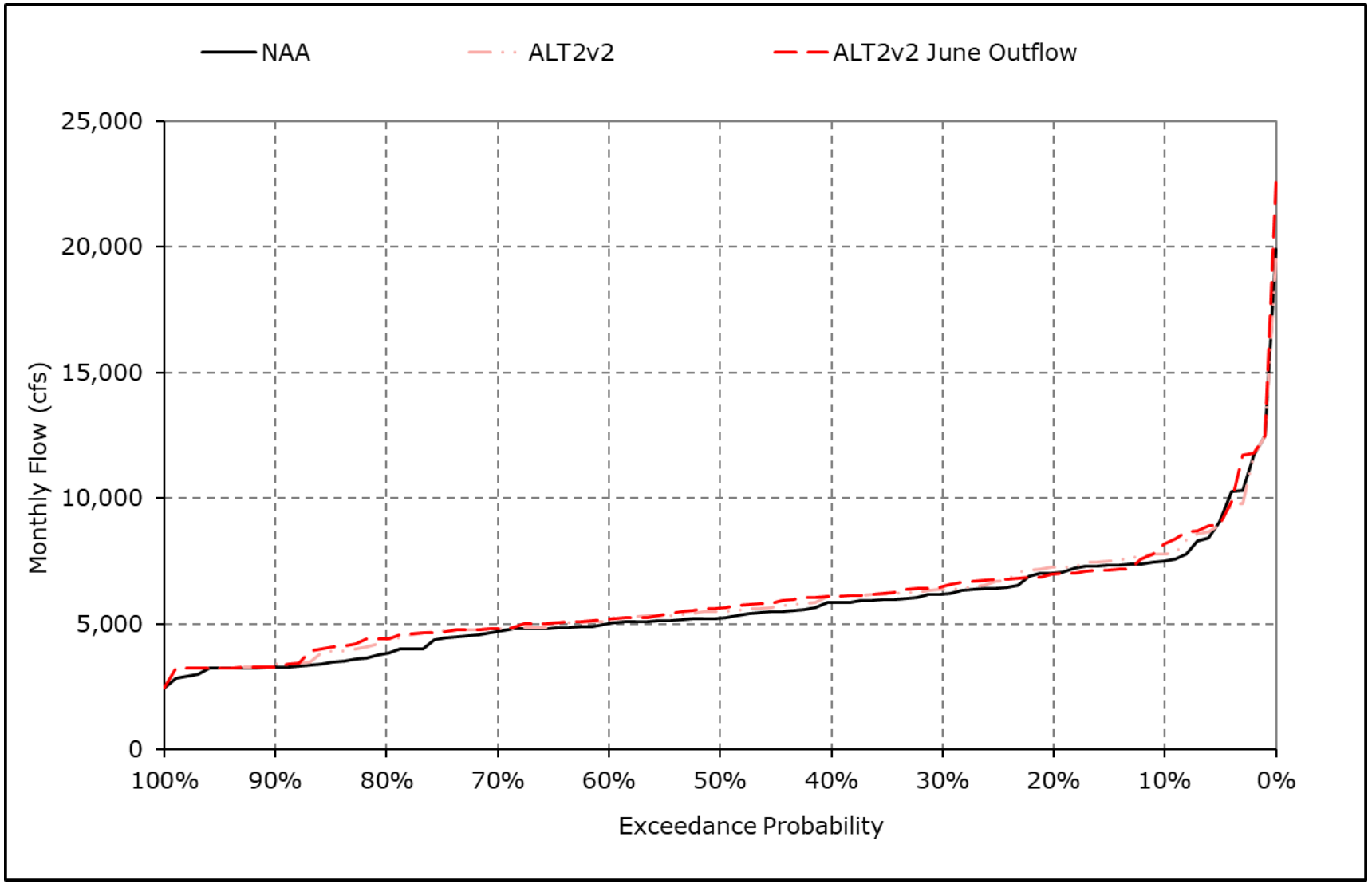
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-3-6. Sacramento River Flow downstream of Keswick Reservoir, Critical Year Average Flow



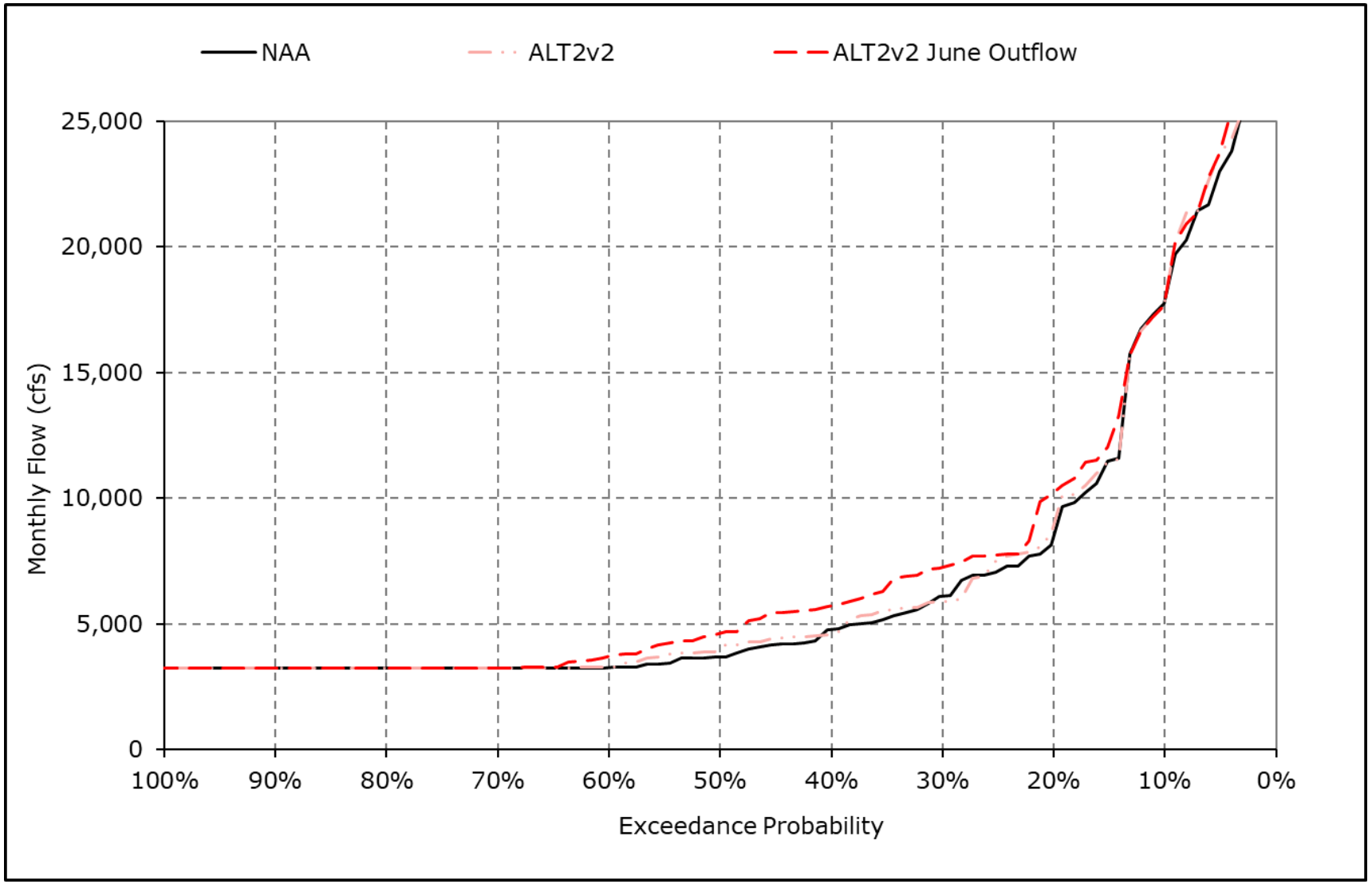
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-7. Sacramento River Flow downstream of Keswick Reservoir, October



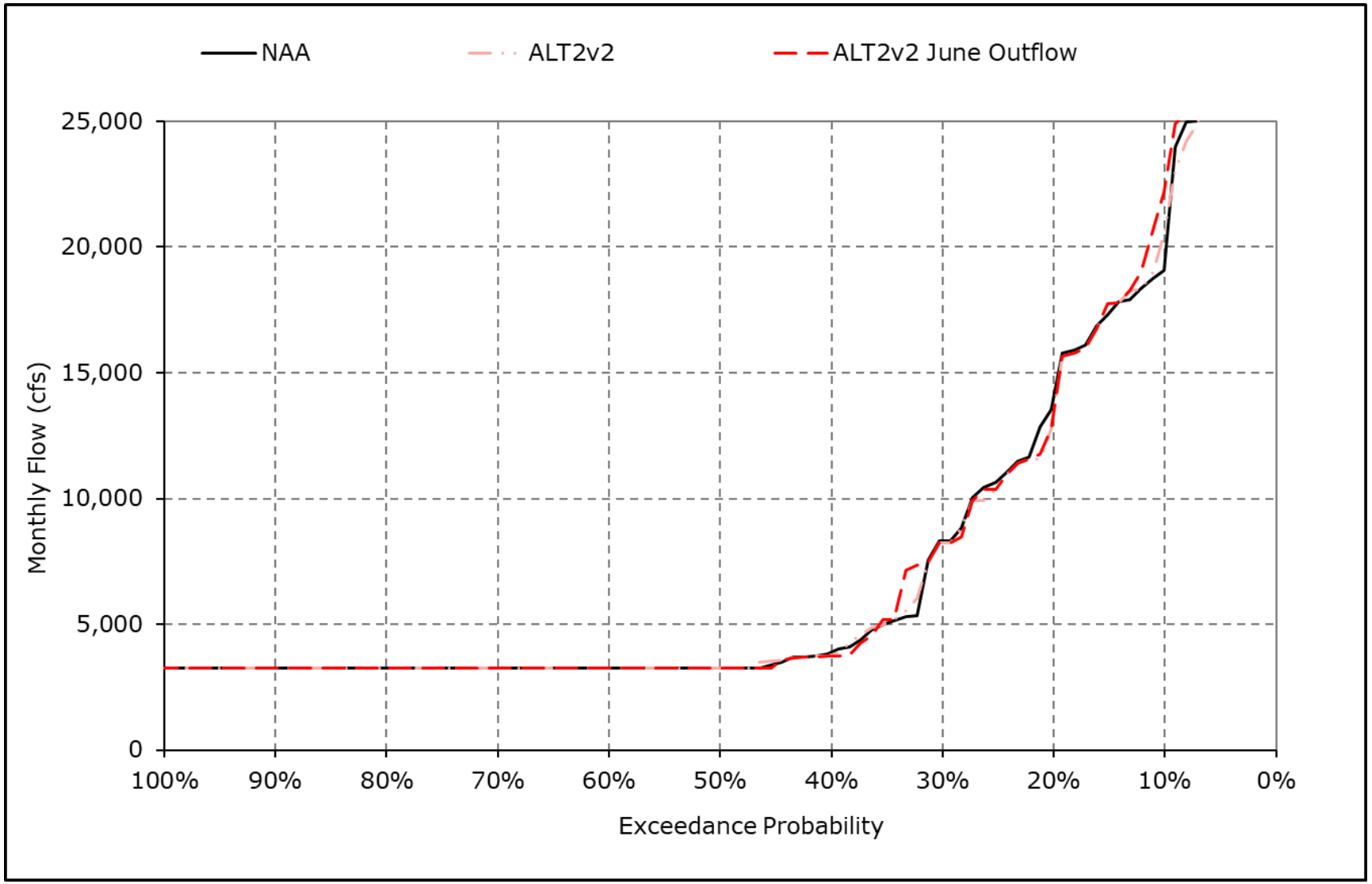
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-8. Sacramento River Flow downstream of Keswick Reservoir, November



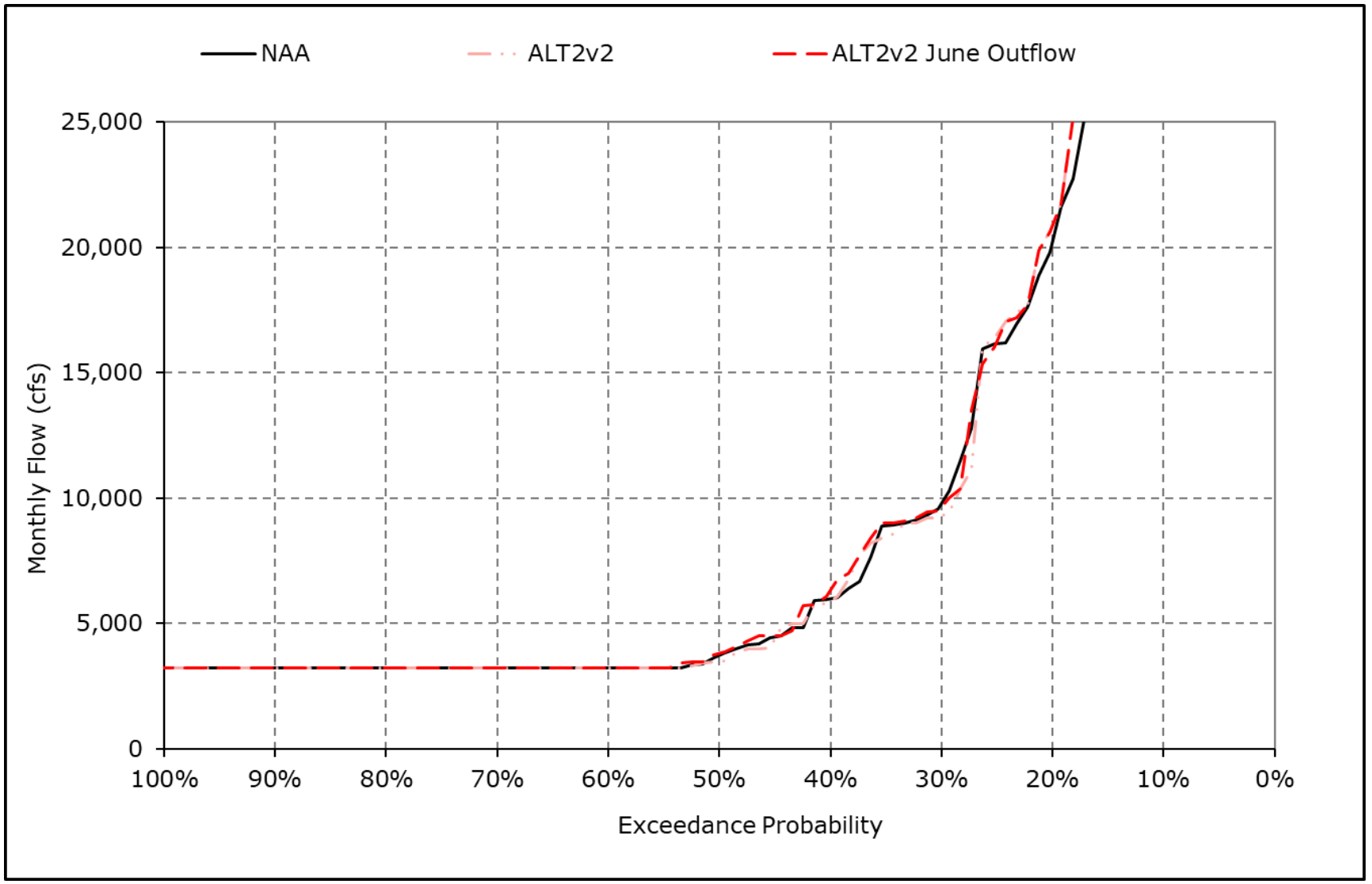
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-9. Sacramento River Flow downstream of Keswick Reservoir, December



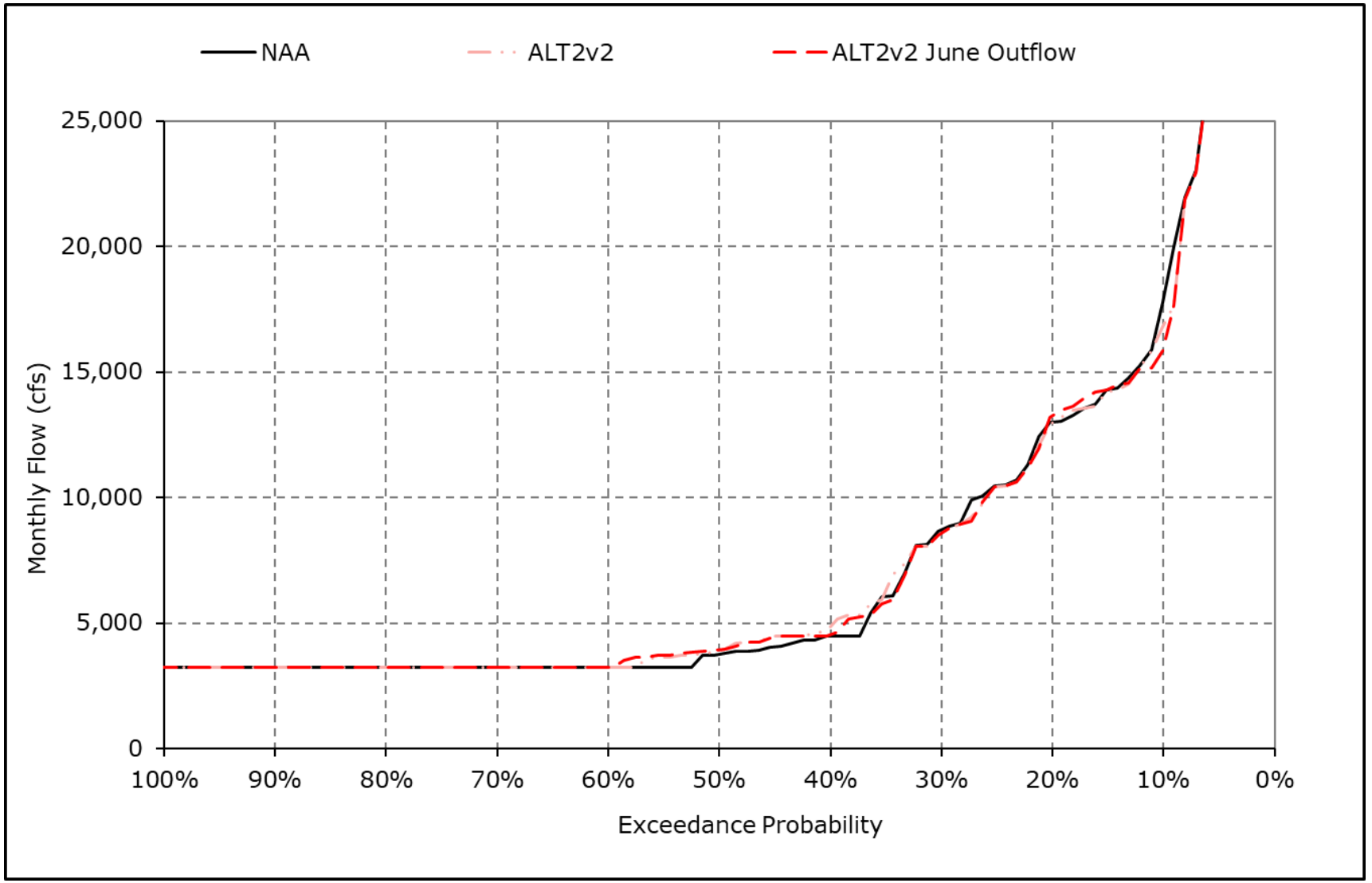
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-10. Sacramento River Flow downstream of Keswick Reservoir, January



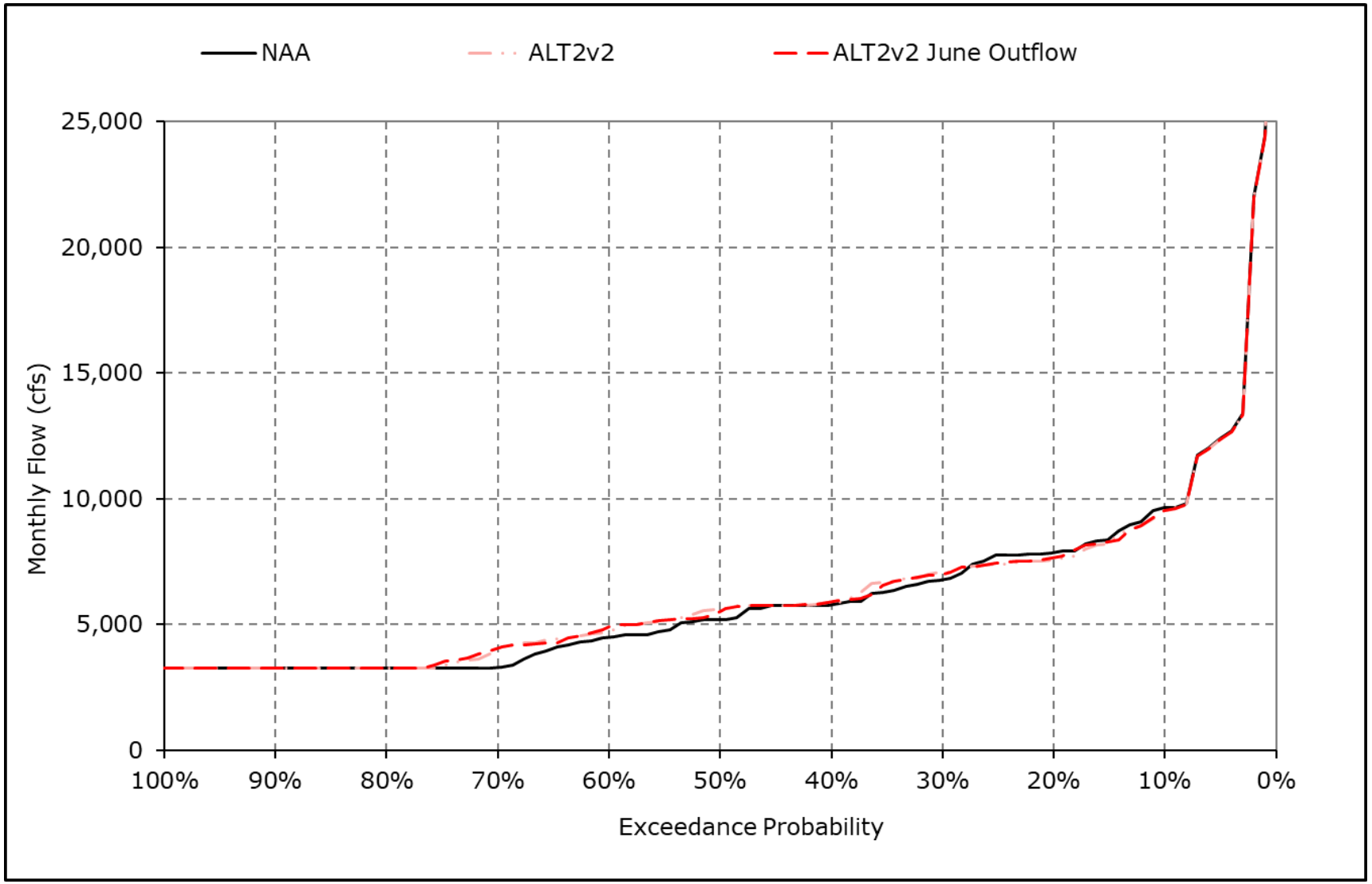
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-11. Sacramento River Flow downstream of Keswick Reservoir, February



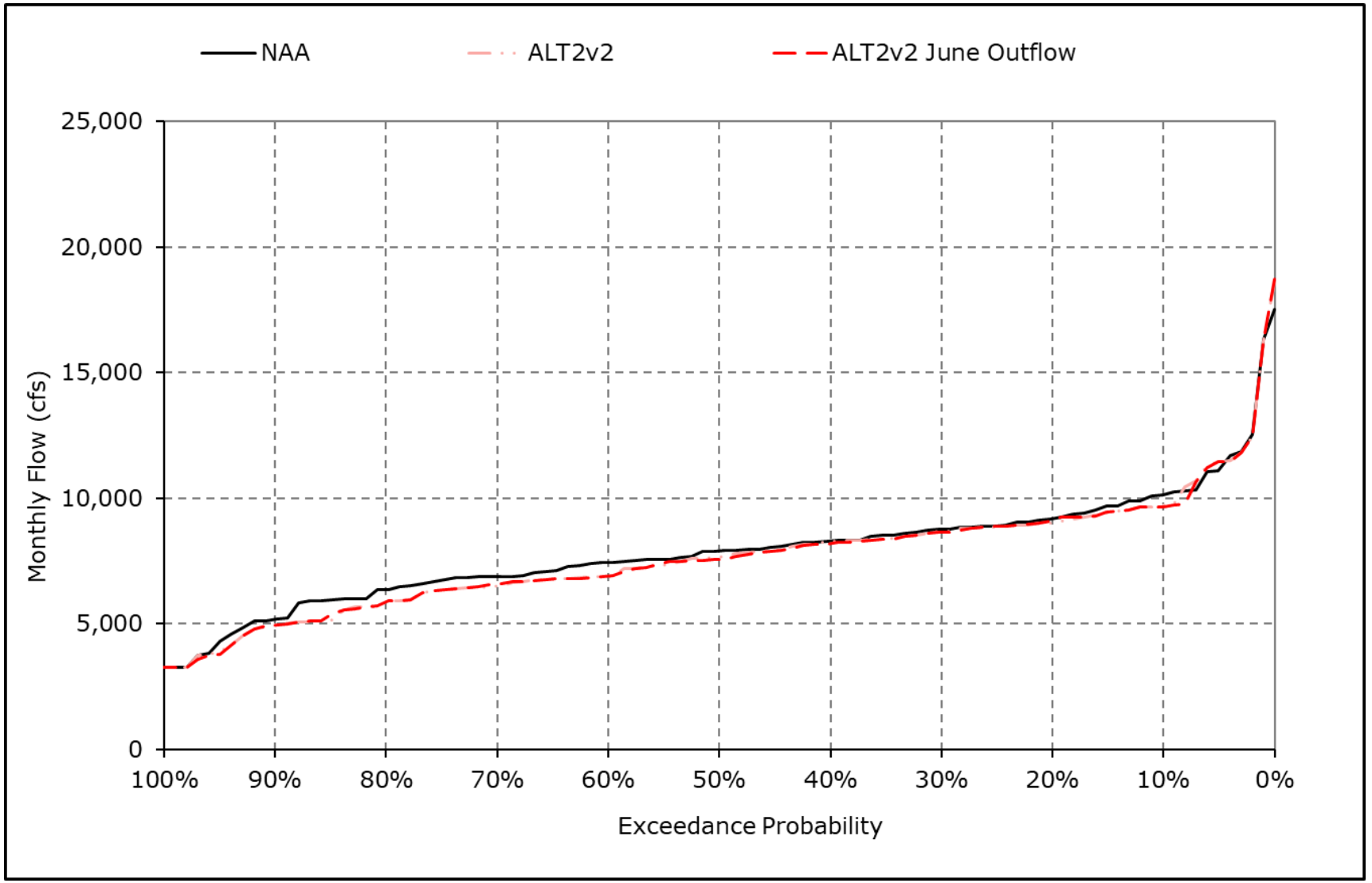
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-12. Sacramento River Flow downstream of Keswick Reservoir, March



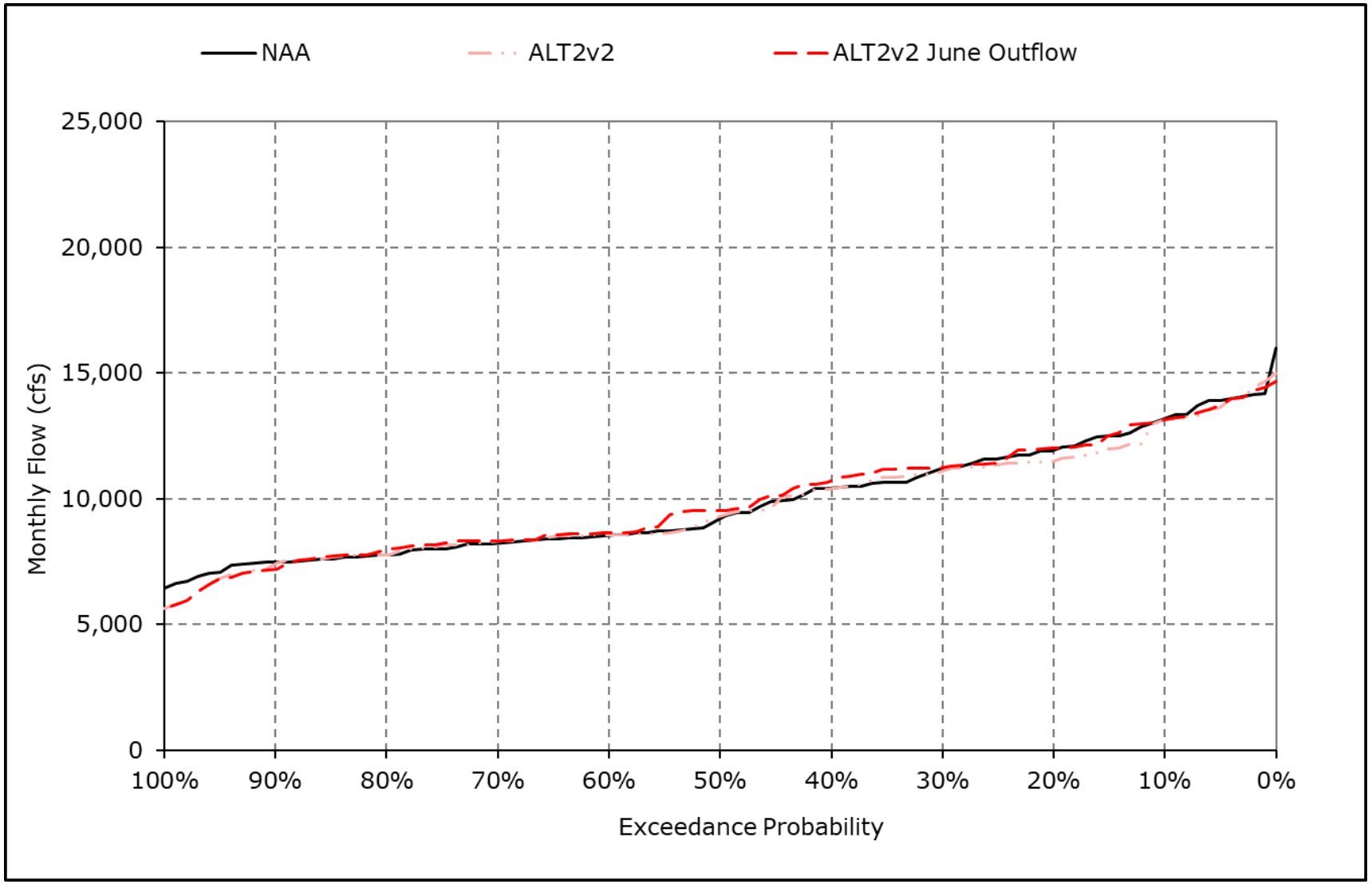
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-13. Sacramento River Flow downstream of Keswick Reservoir, April



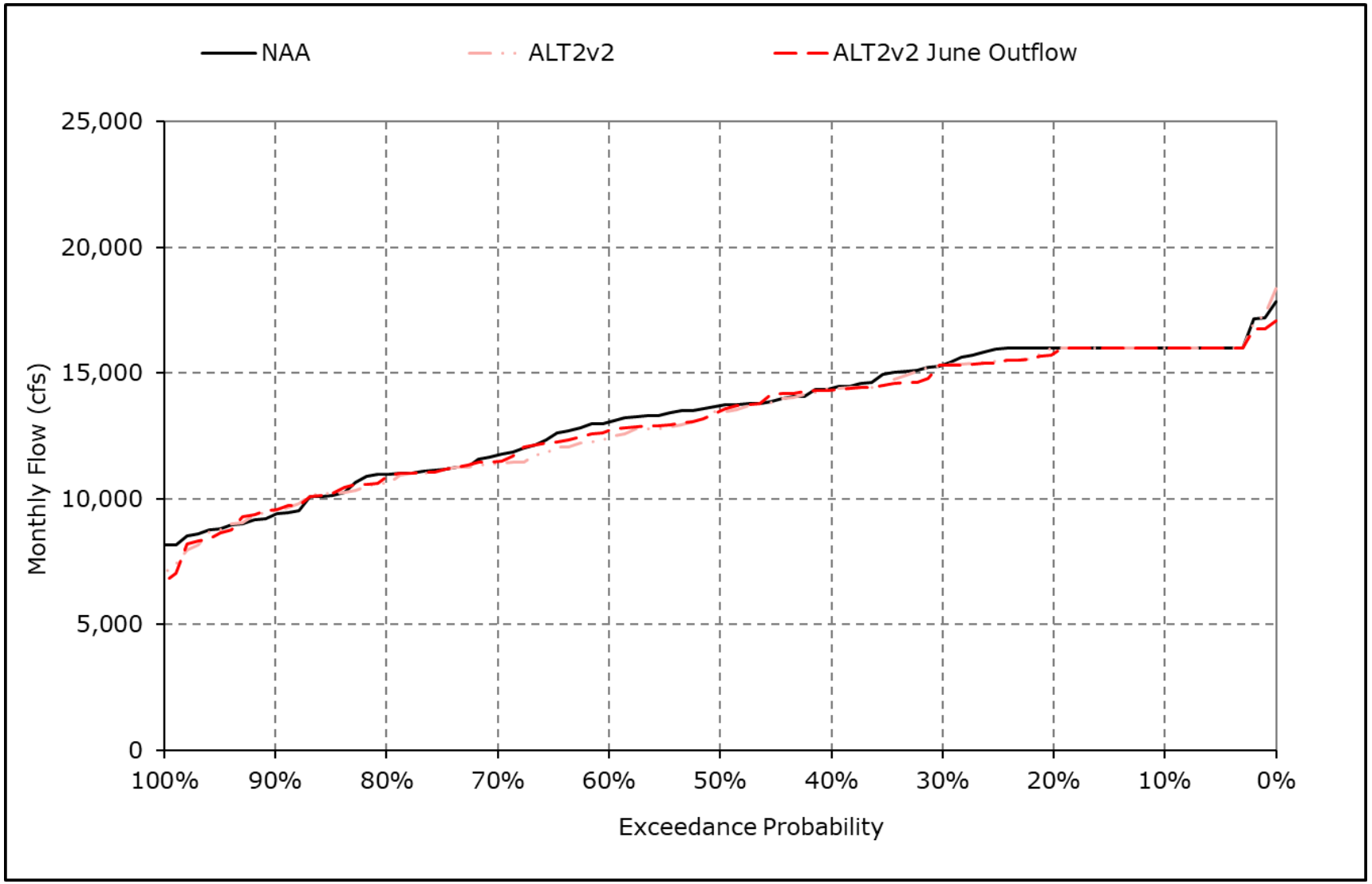
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-14. Sacramento River Flow downstream of Keswick Reservoir, May



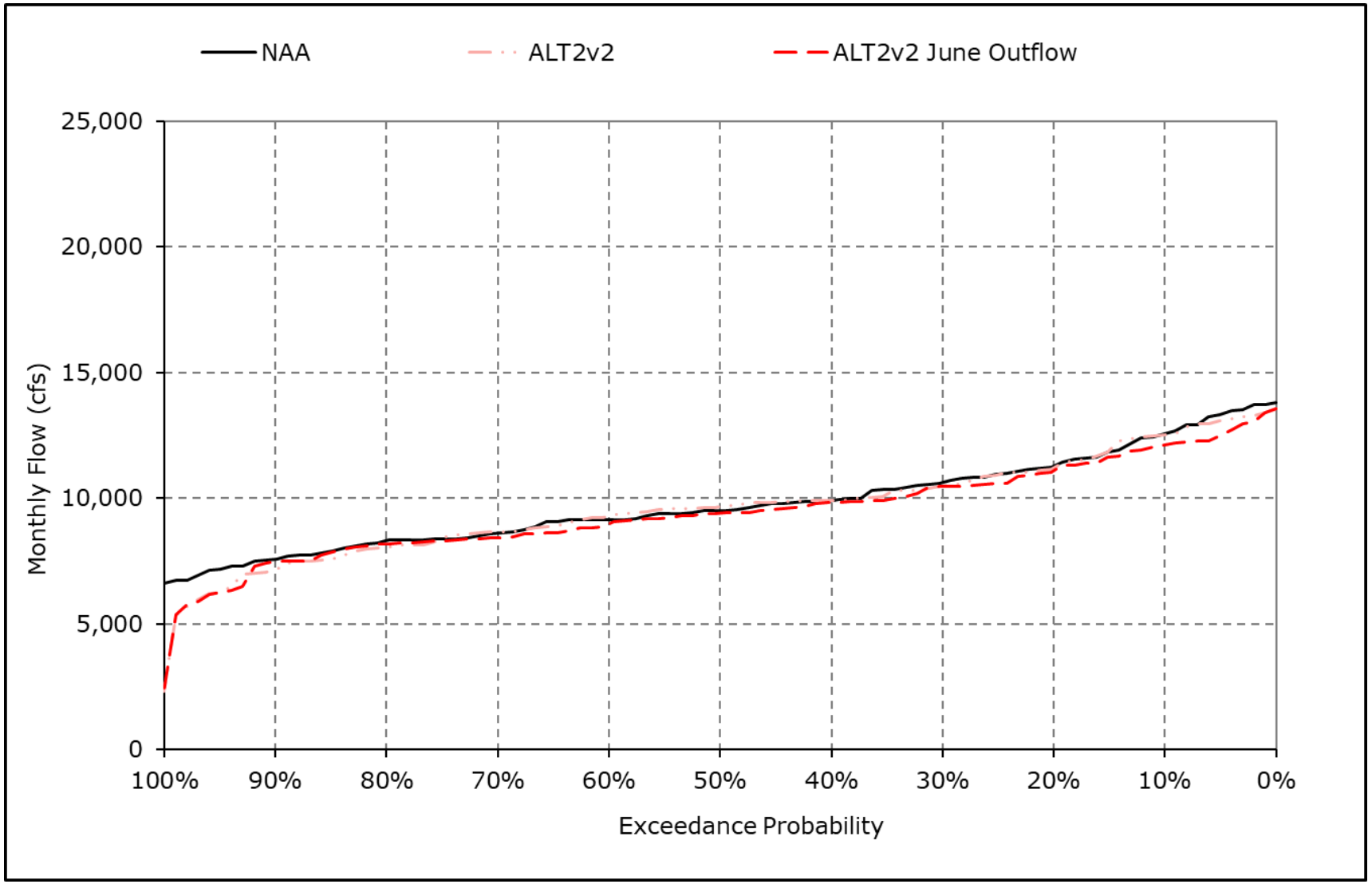
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-3-15. Sacramento River Flow downstream of Keswick Reservoir, June



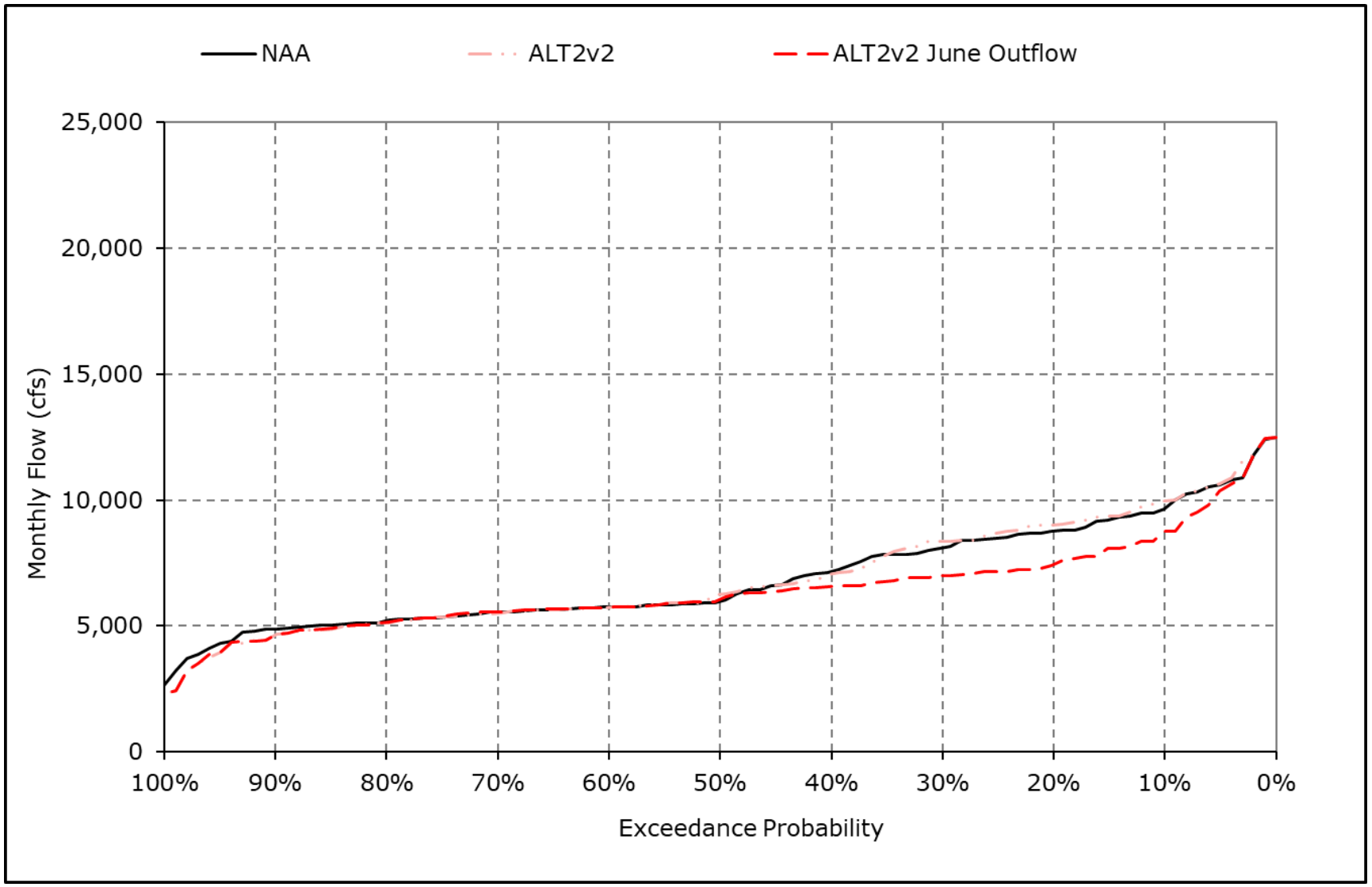
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-4-1c. Sacramento Flow River at Bend Bridge, ALT2v2 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.2.2-4-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

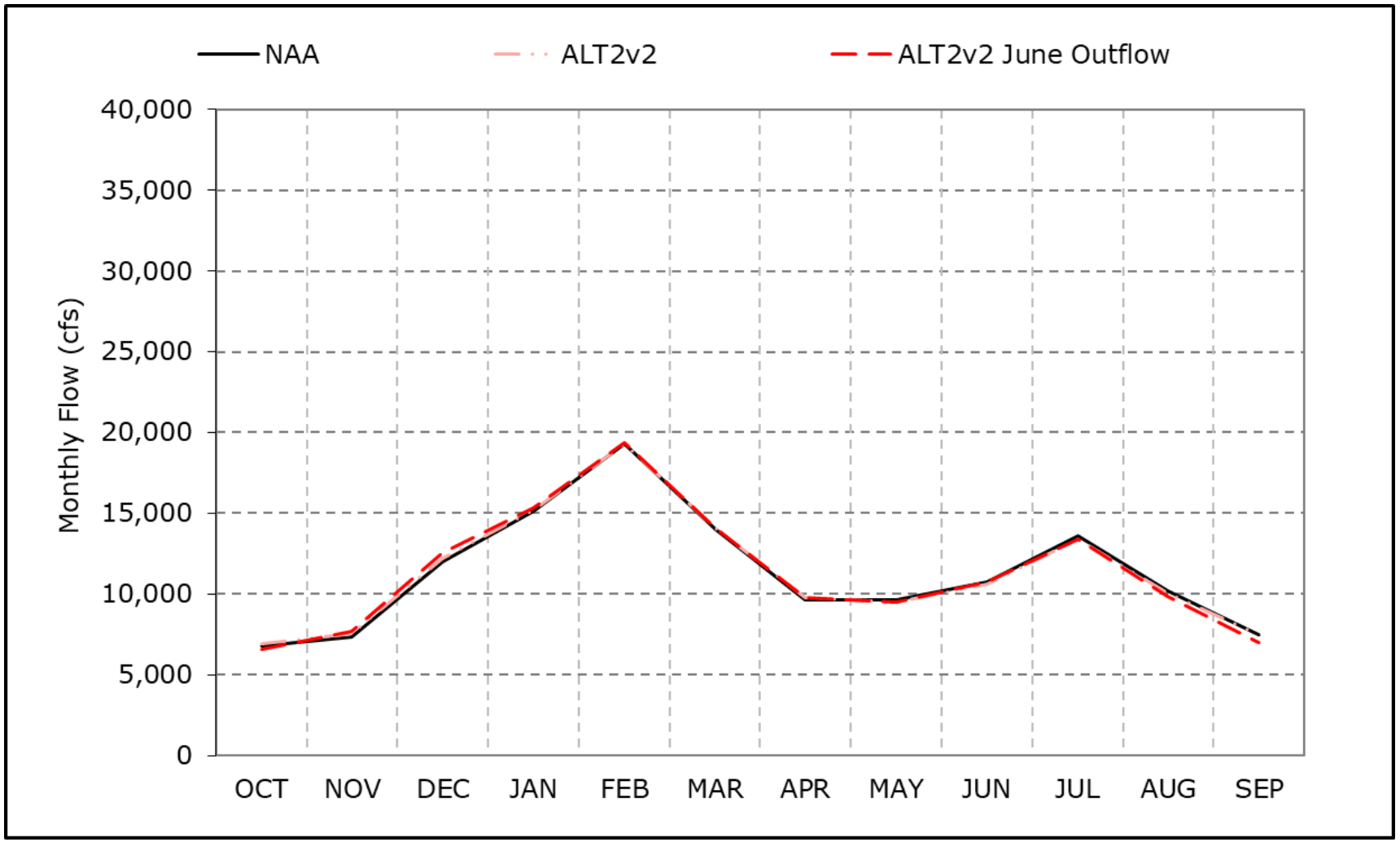
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,977	9,718	27,665	37,481	48,789	26,977	15,839	12,112	13,450	16,224	12,568	9,486
20% Exceedance	8,089	8,580	18,989	22,323	30,811	20,407	11,520	10,427	12,559	15,898	11,504	8,041
30% Exceedance	6,978	7,718	11,707	16,052	17,956	13,927	9,526	9,865	11,866	15,202	10,515	7,544
40% Exceedance	6,457	7,428	9,868	11,662	13,039	10,393	8,664	9,303	11,367	14,578	10,156	7,192
50% Exceedance	6,166	6,970	7,785	8,569	10,445	8,483	7,898	9,039	10,577	13,951	9,735	6,814
60% Exceedance	5,805	6,548	7,246	7,093	8,066	7,669	7,285	8,719	9,874	12,859	9,422	6,183
70% Exceedance	5,490	6,170	6,241	6,117	7,235	6,960	6,767	8,099	9,396	11,942	8,979	5,860
80% Exceedance	5,269	5,793	5,457	5,633	6,293	6,129	6,069	7,541	8,894	11,252	8,366	5,627
90% Exceedance	4,783	5,300	4,932	4,953	5,392	5,353	5,273	6,465	8,473	9,765	7,715	5,087
Full Simulation Period Average[a]	6,591	7,670	12,588	15,310	19,373	14,054	9,750	9,467	10,752	13,419	9,843	7,011
Wet Water Years (28%)	8,034	8,857	14,317	29,859	36,595	25,023	15,215	10,056	10,495	13,942	10,467	9,109
Above Normal Water Years (14%)	6,746	9,172	11,415	18,779	25,957	17,306	9,446	9,888	11,526	15,610	10,565	7,475
Below Normal Water Years (18%)	6,624	7,243	13,880	10,215	10,180	9,239	7,959	10,819	11,179	13,994	11,020	6,518
Dry Water Years (24%)	5,841	6,831	13,912	6,244	10,490	8,223	7,496	9,017	11,324	13,117	9,611	6,089
Critical Water Years (16%)	4,900	5,804	6,864	6,145	7,137	6,175	5,848	7,225	9,184	10,392	7,143	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.2.2-4-2c. Sacramento Flow River at Bend Bridge, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

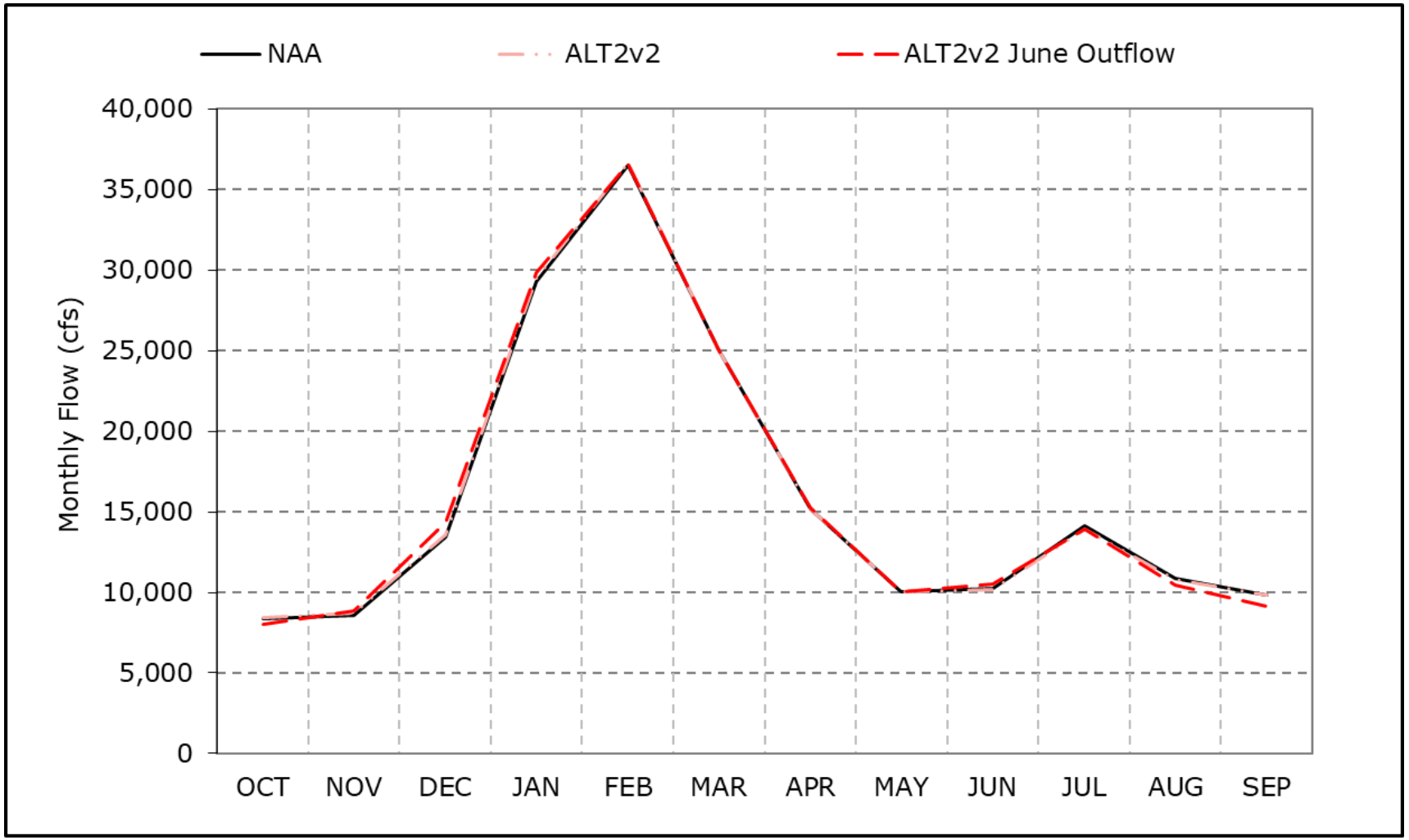
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-434	131	-3	2,548	3	-330	0	134	-171	-172	-569	-578
20% Exceedance	-405	295	2,367	-482	1	-101	25	-321	-9	-186	-468	-1,461
30% Exceedance	-745	91	10	-4	-552	-3	-276	2	149	-473	-410	-1,324
40% Exceedance	-445	343	1,222	116	336	24	111	-249	71	-174	-307	-561
50% Exceedance	-96	357	438	212	40	67	19	-51	239	66	-149	-162
60% Exceedance	13	254	844	186	-19	28	205	152	-68	-331	-192	53
70% Exceedance	-56	191	541	2	90	15	111	-37	122	-476	77	51
80% Exceedance	-32	17	331	95	-185	230	565	-239	86	12	-92	-50
90% Exceedance	-160	224	381	15	5	383	372	-888	25	72	-307	-257
Full Simulation Period Average[a]	-189	303	581	167	86	66	129	-164	-22	-203	-360	-473
Wet Water Years (28%)	-352	279	841	537	103	8	36	45	270	-201	-393	-728
Above Normal Water Years (14%)	-799	241	901	-101	-84	-122	4	22	501	-159	-856	-1,710
Below Normal Water Years (18%)	37	417	286	-18	124	94	-59	-116	-43	-484	-205	222
Dry Water Years (24%)	35	135	645	-16	210	-4	-102	-293	-243	-201	151	58
Critical Water Years (16%)	94	541	27	236	-23	407	959	-554	-639	66	-811	-522

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



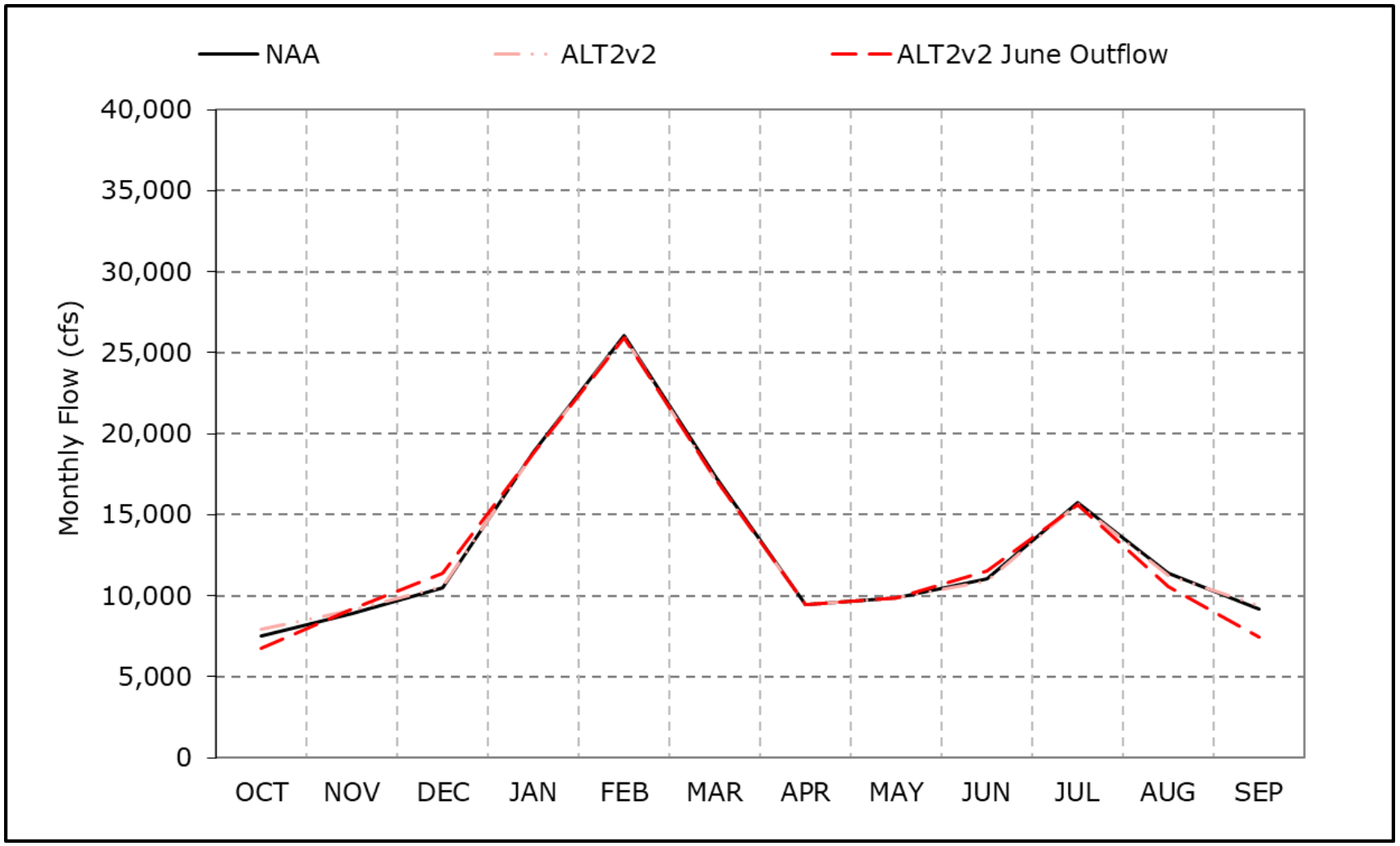
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-4-1. Sacramento Flow River at Bend Bridge, Long-Term Average Flow



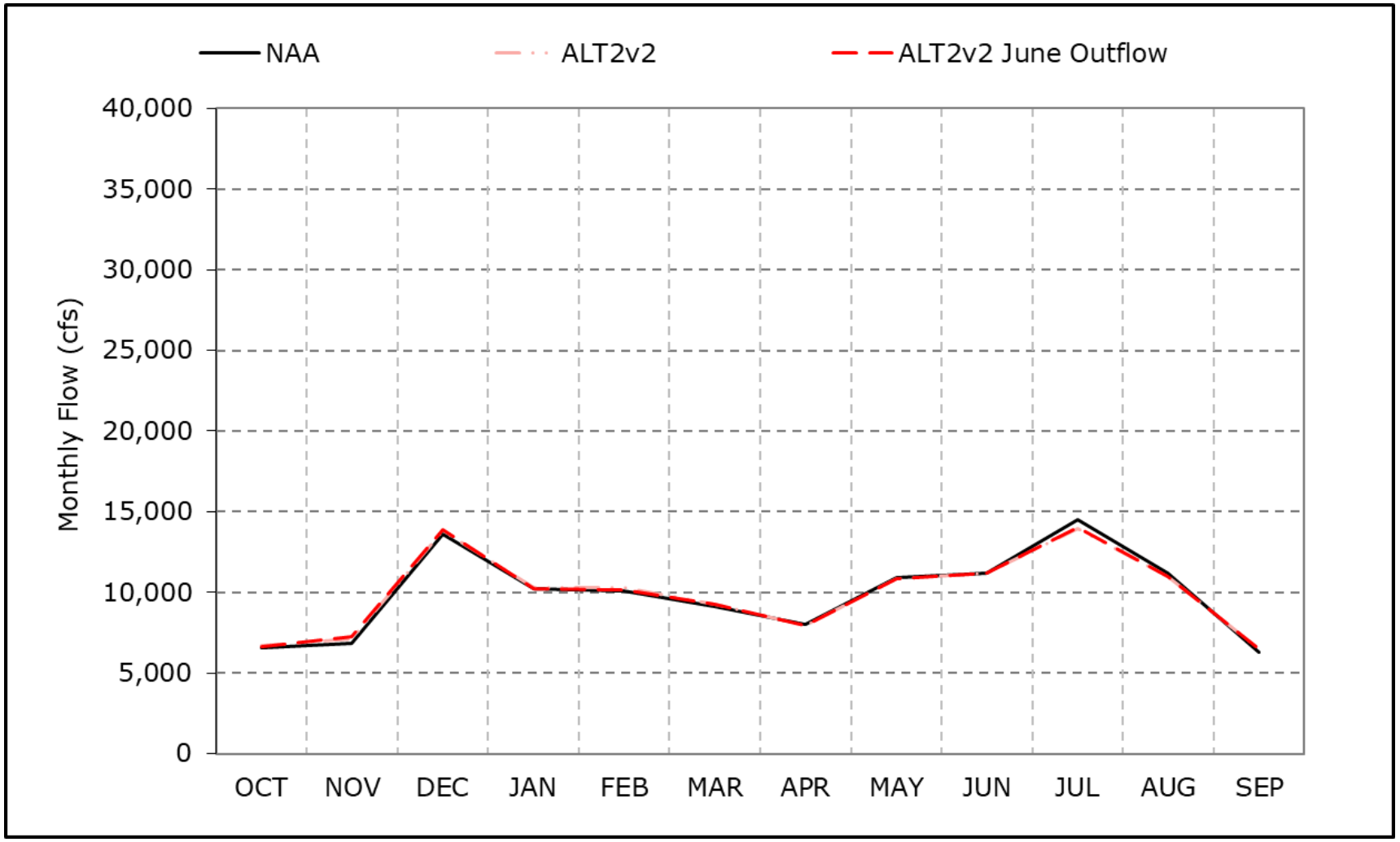
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-4-2. Sacramento Flow River at Bend Bridge, Wet Year Average Flow



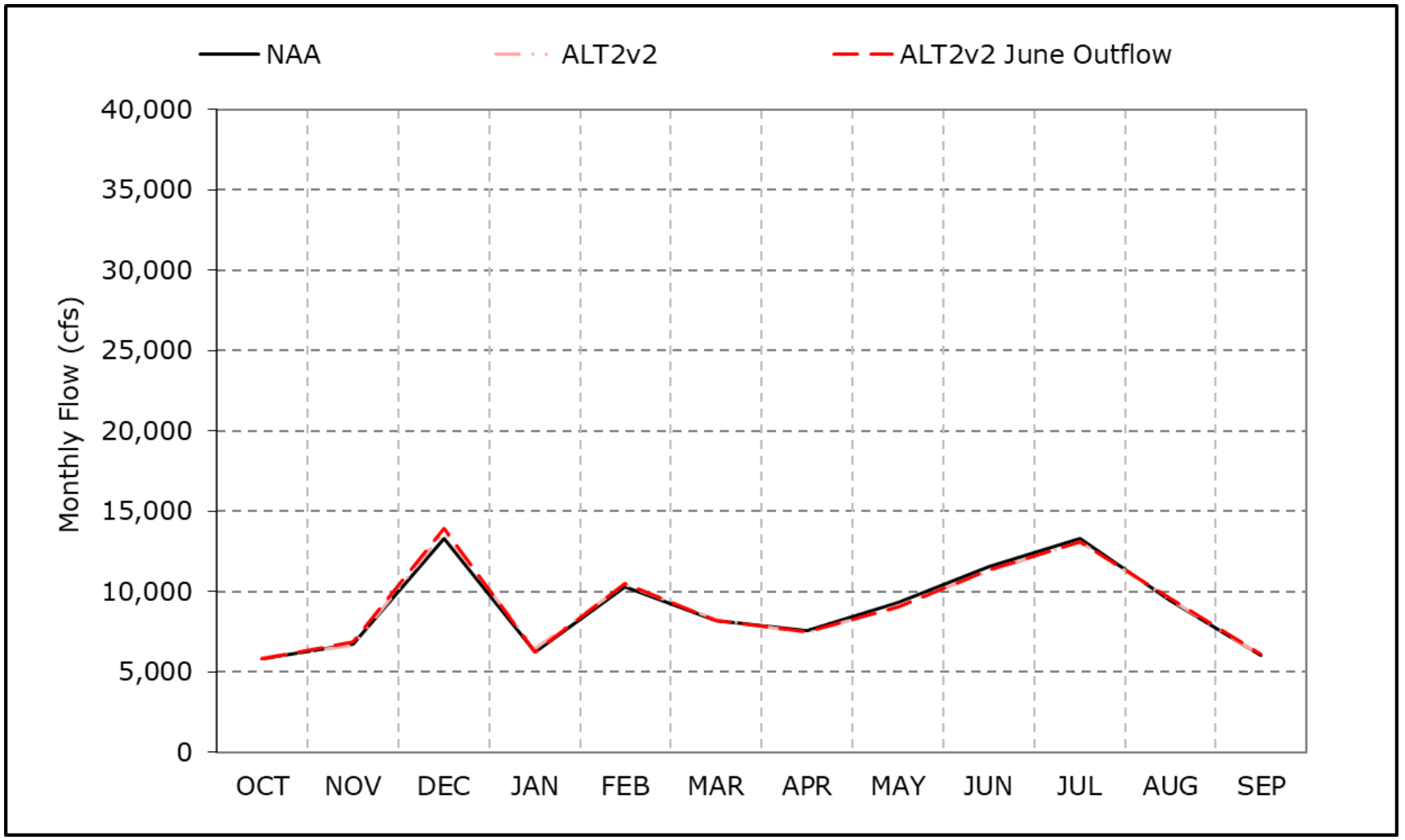
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

February Figure F.2.2-4-3. Sacramento Flow River at Bend Bridge, Above Normal Year Average Flow



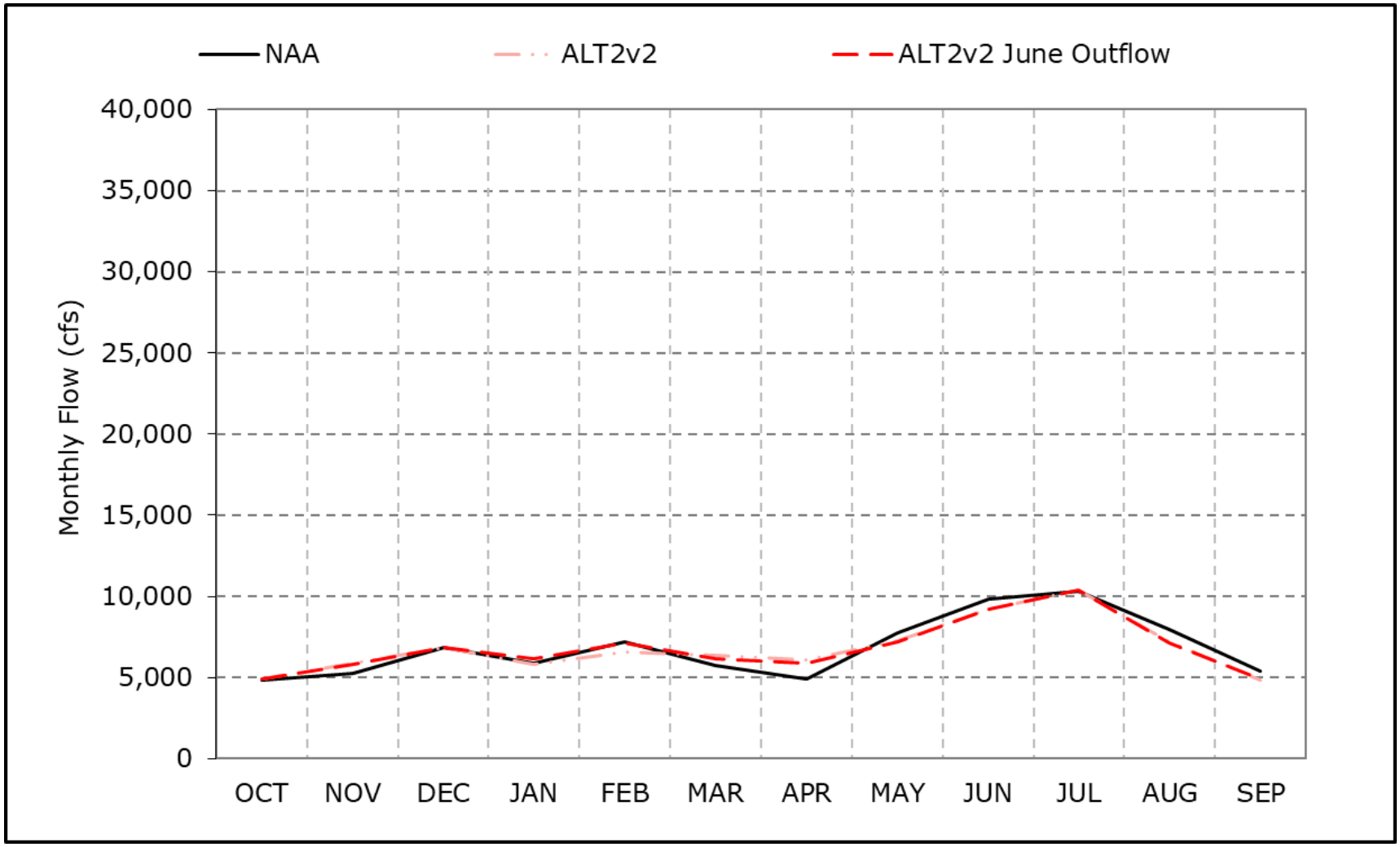
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-4-4. Sacramento Flow River at Bend Bridge, Below Normal Year Average Flow



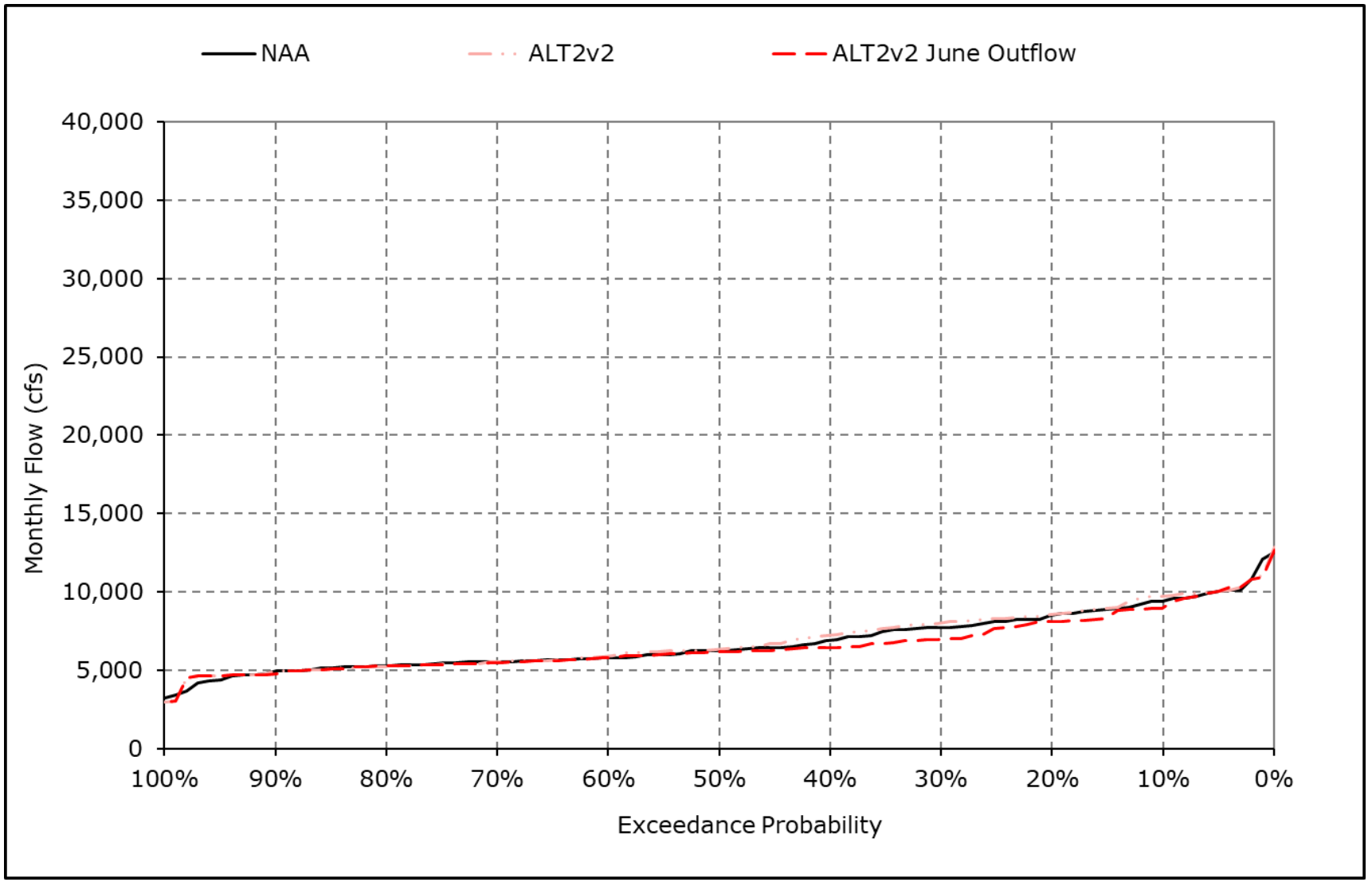
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-4-5. Sacramento Flow River at Bend Bridge, Dry Year Average Flow



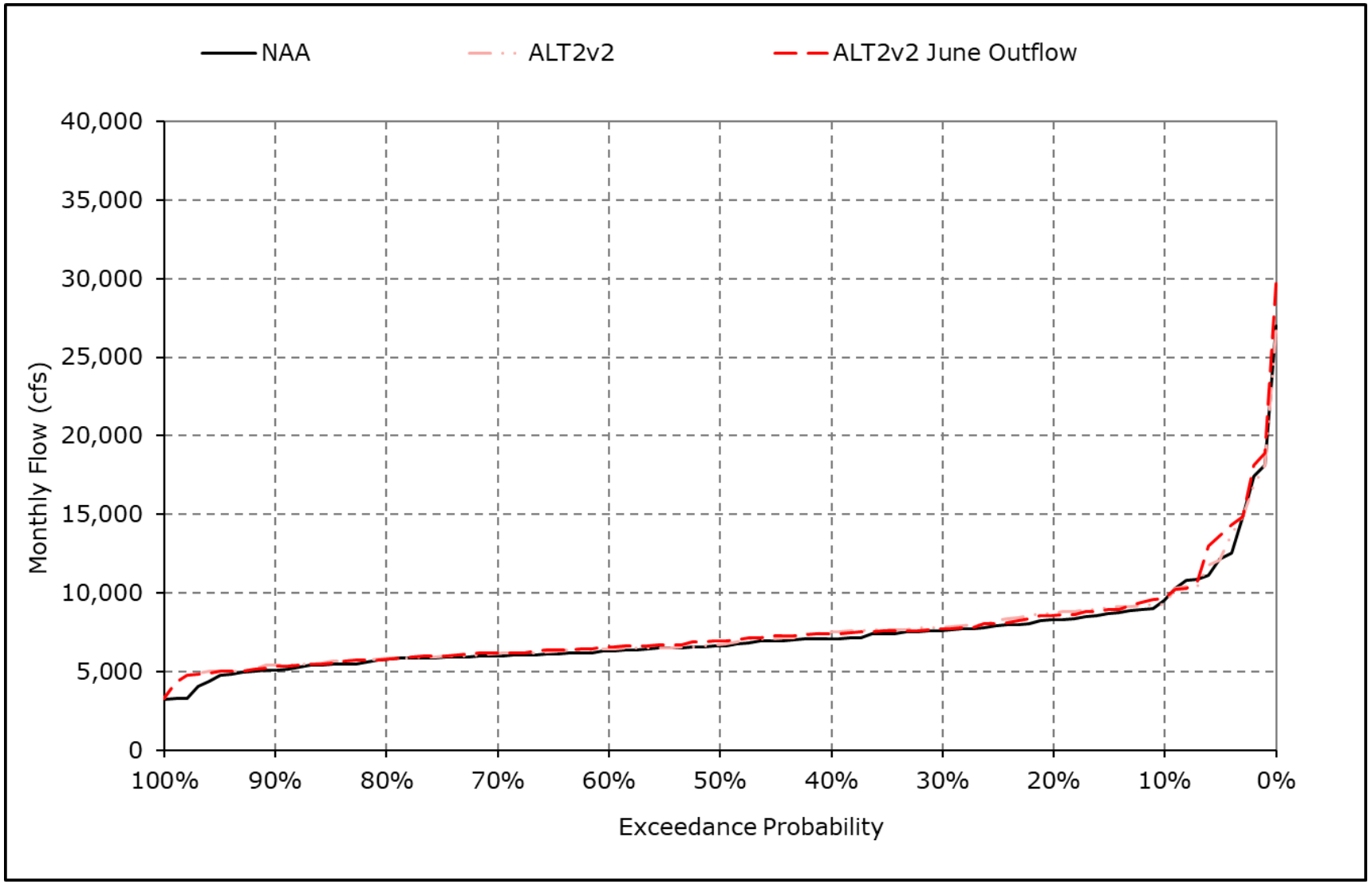
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-4-6. Sacramento Flow River at Bend Bridge, Critical Year Average Flow



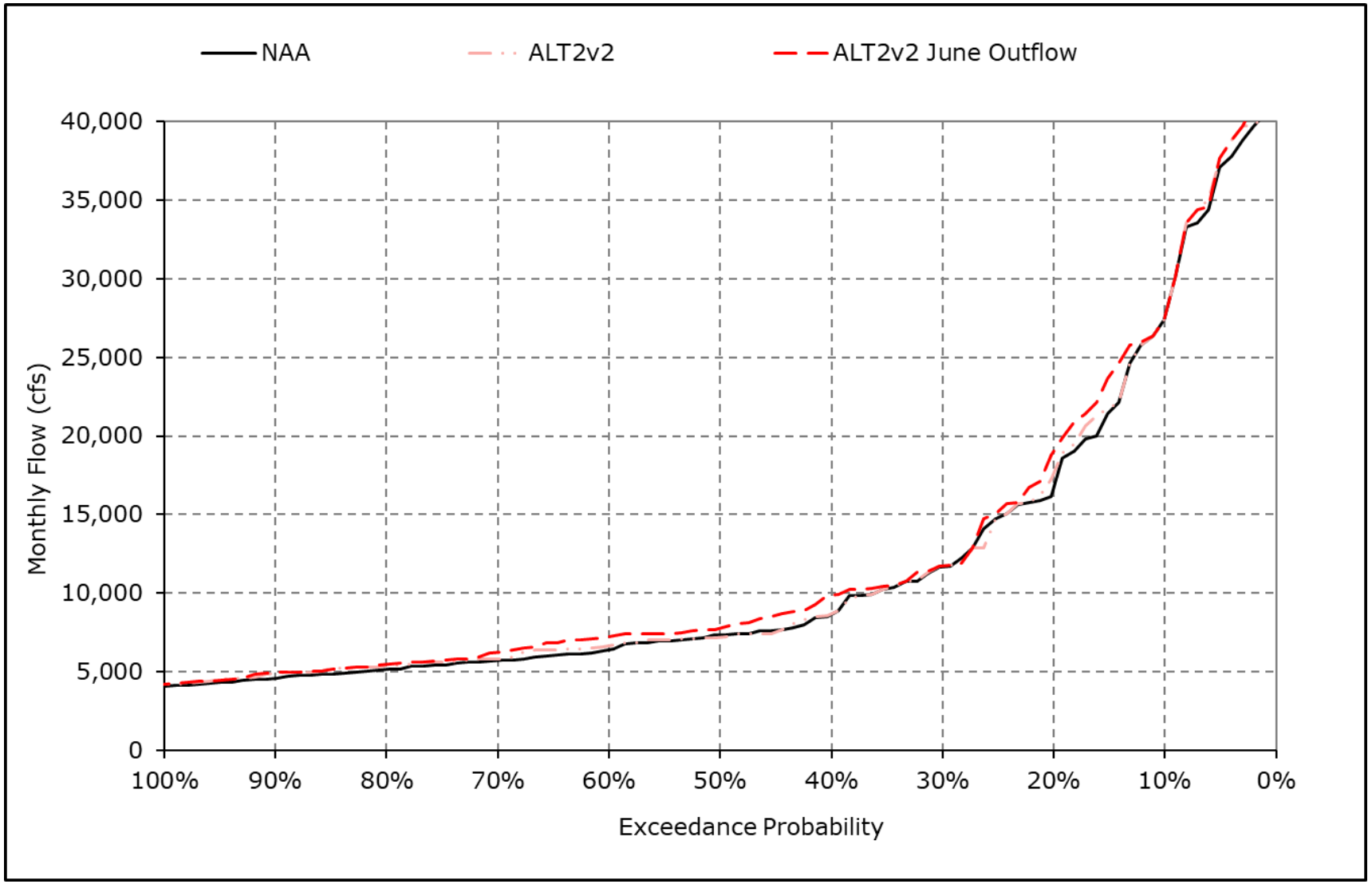
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-7. Sacramento Flow River at Bend Bridge, October



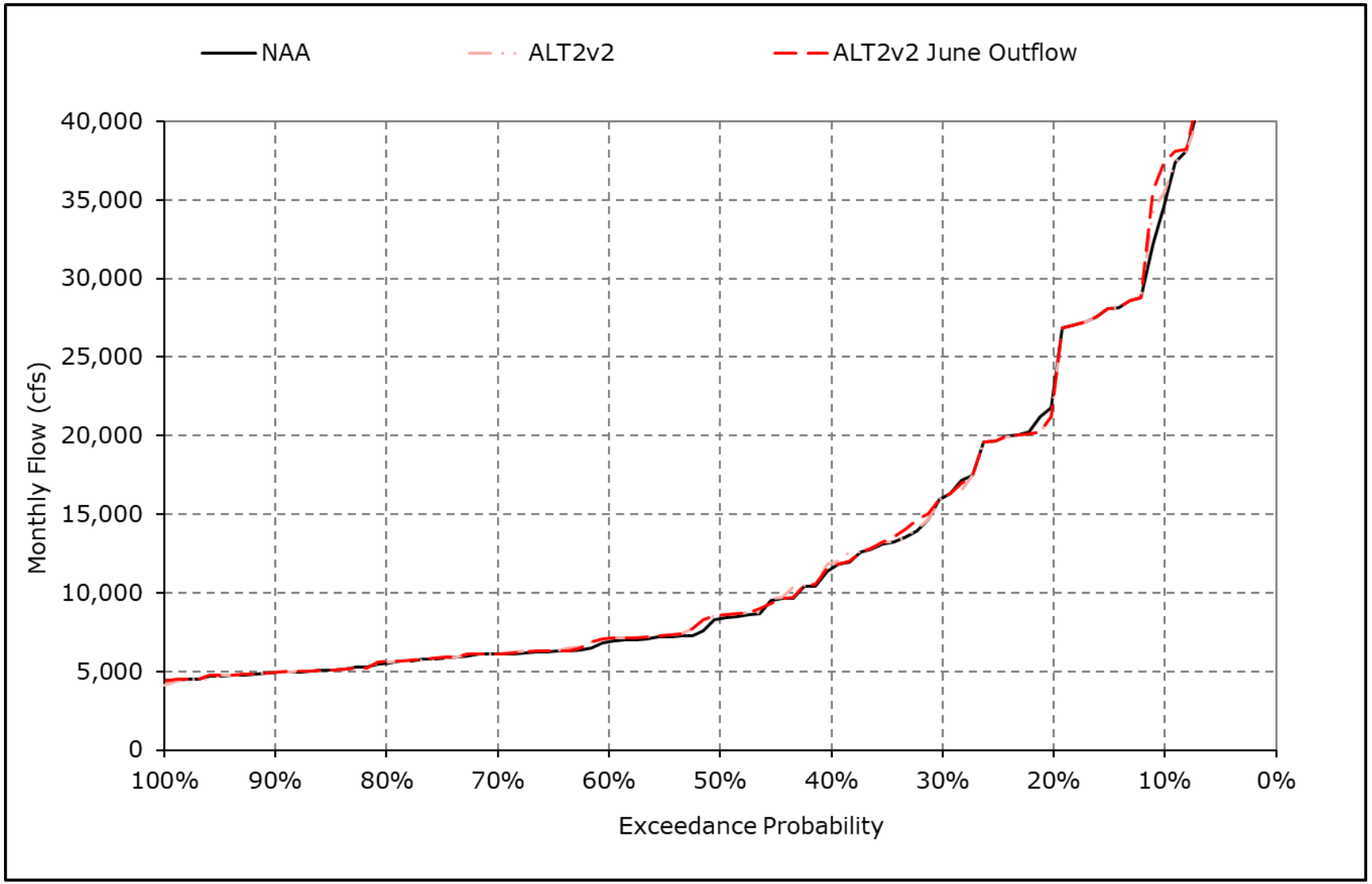
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-8. Sacramento Flow River at Bend Bridge, November



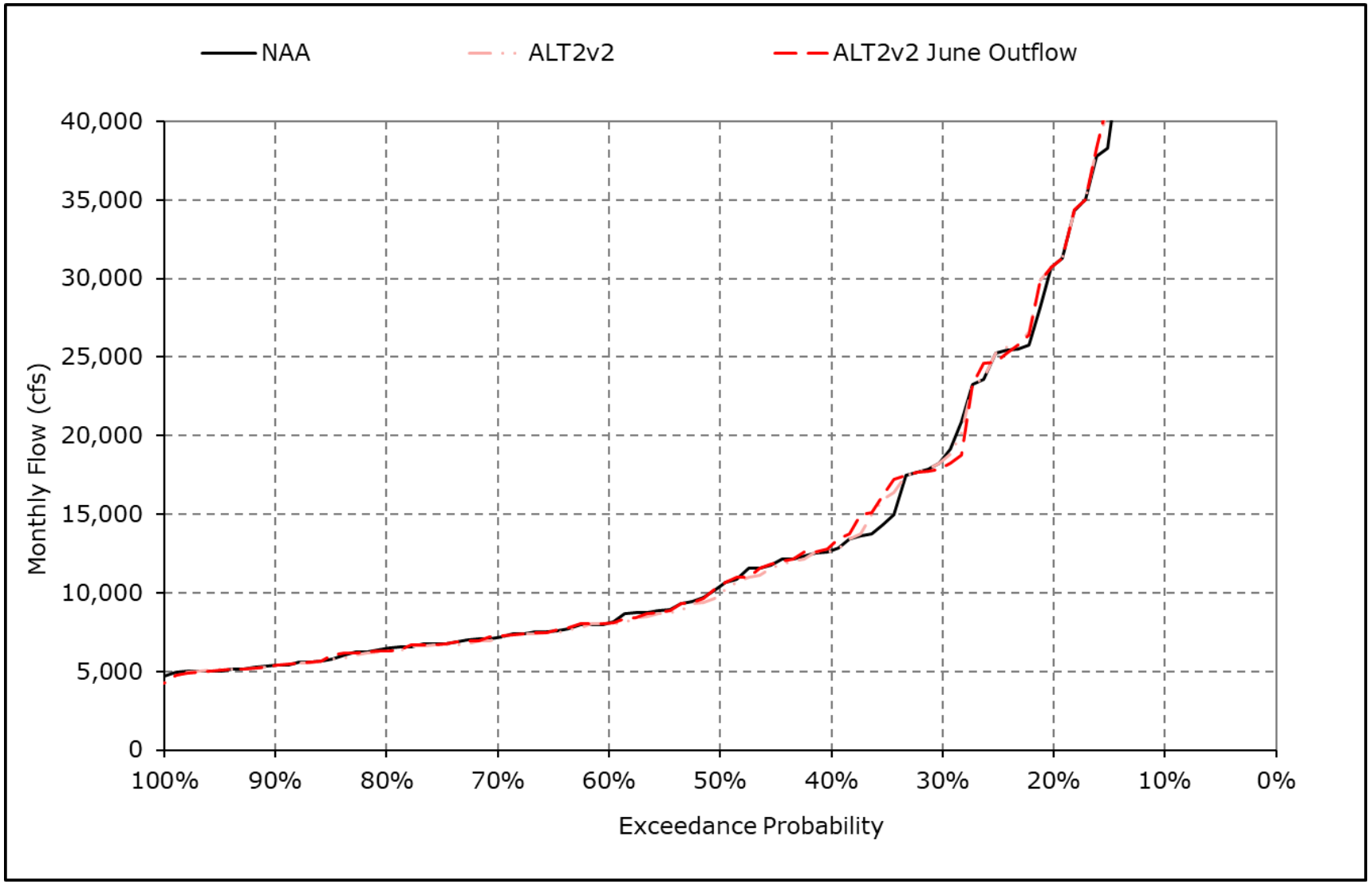
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-9. Sacramento Flow River at Bend Bridge, December



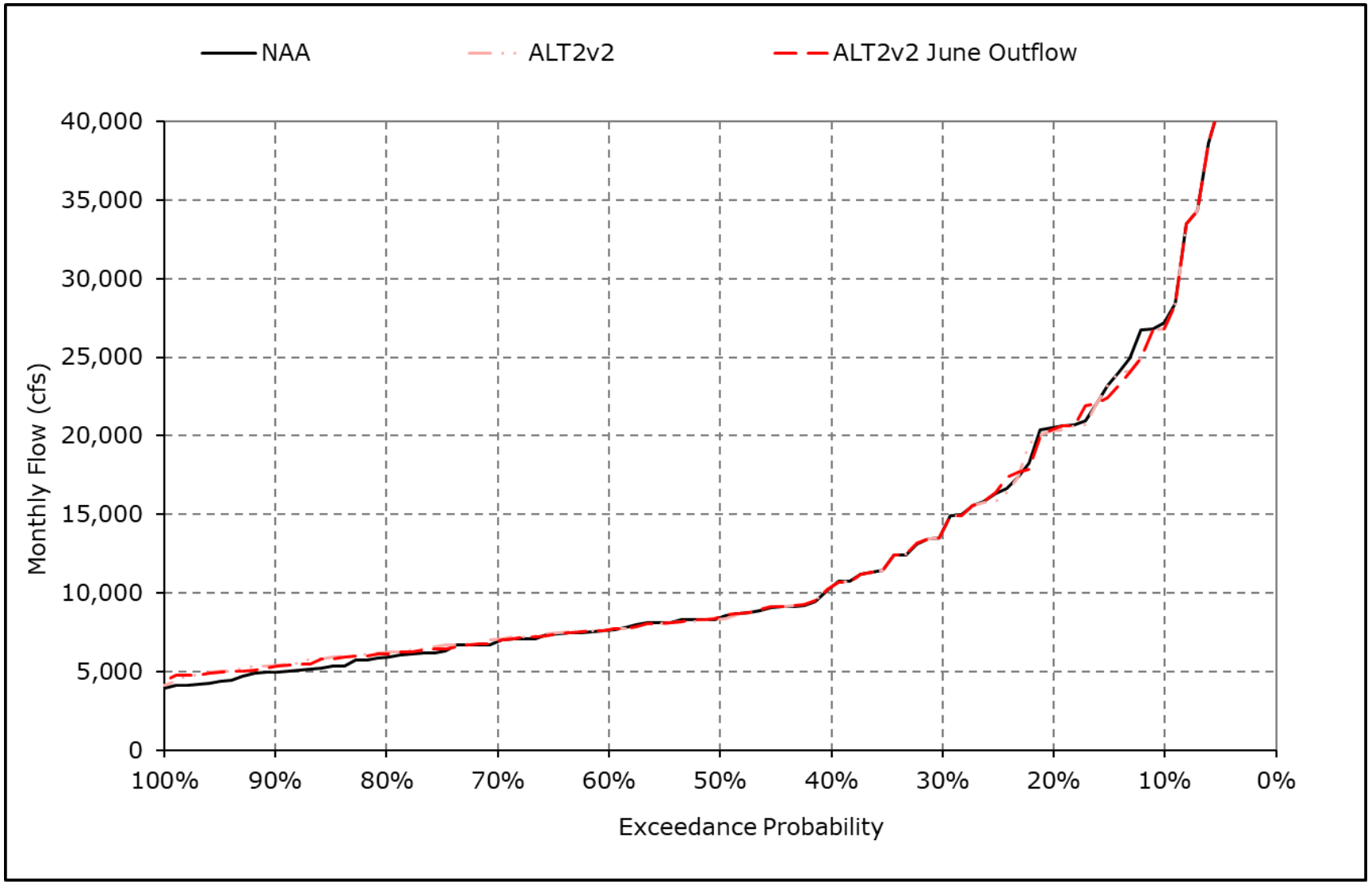
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-10. Sacramento Flow River at Bend Bridge, January



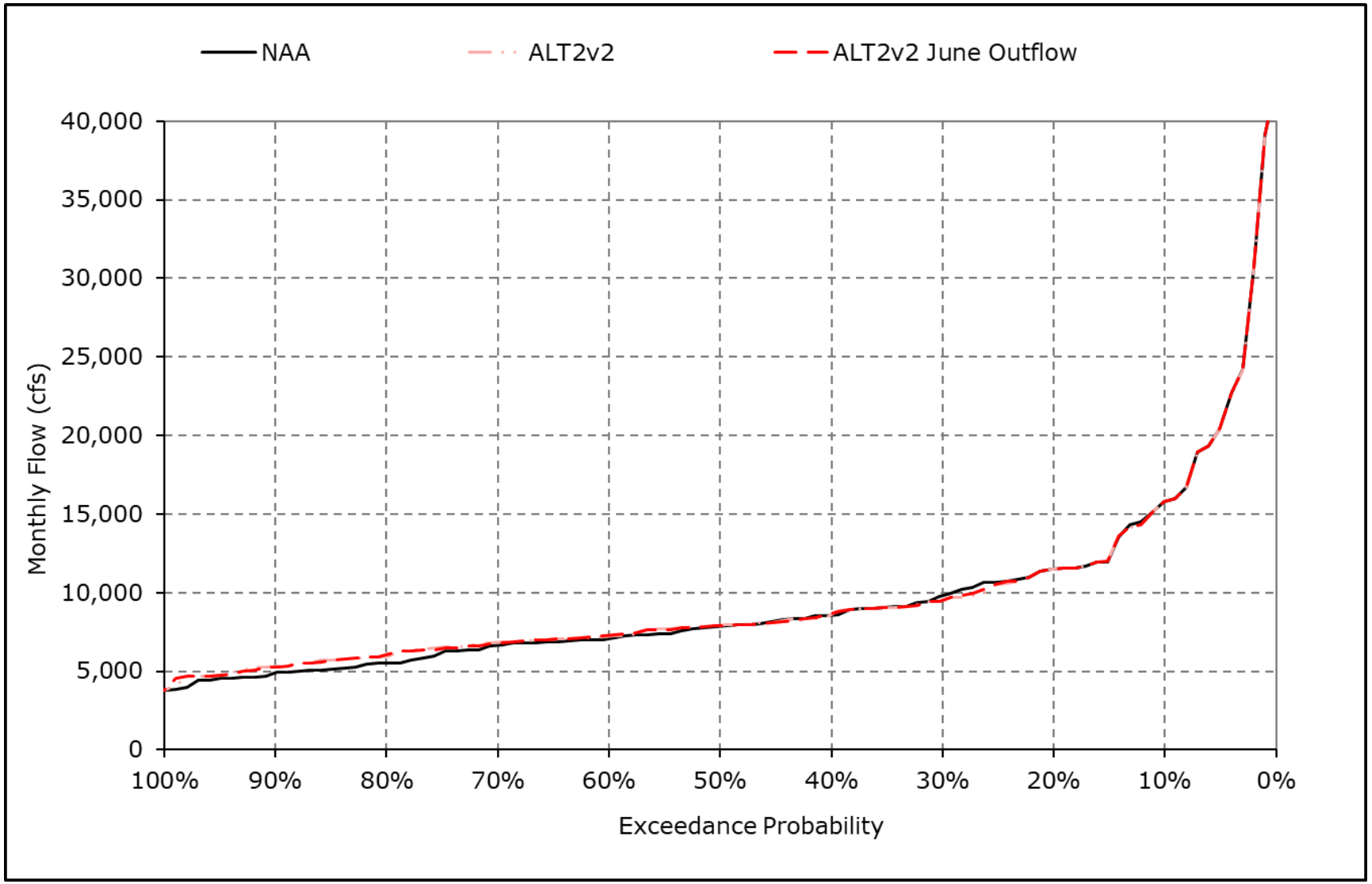
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-11. Sacramento Flow River at Bend Bridge, February



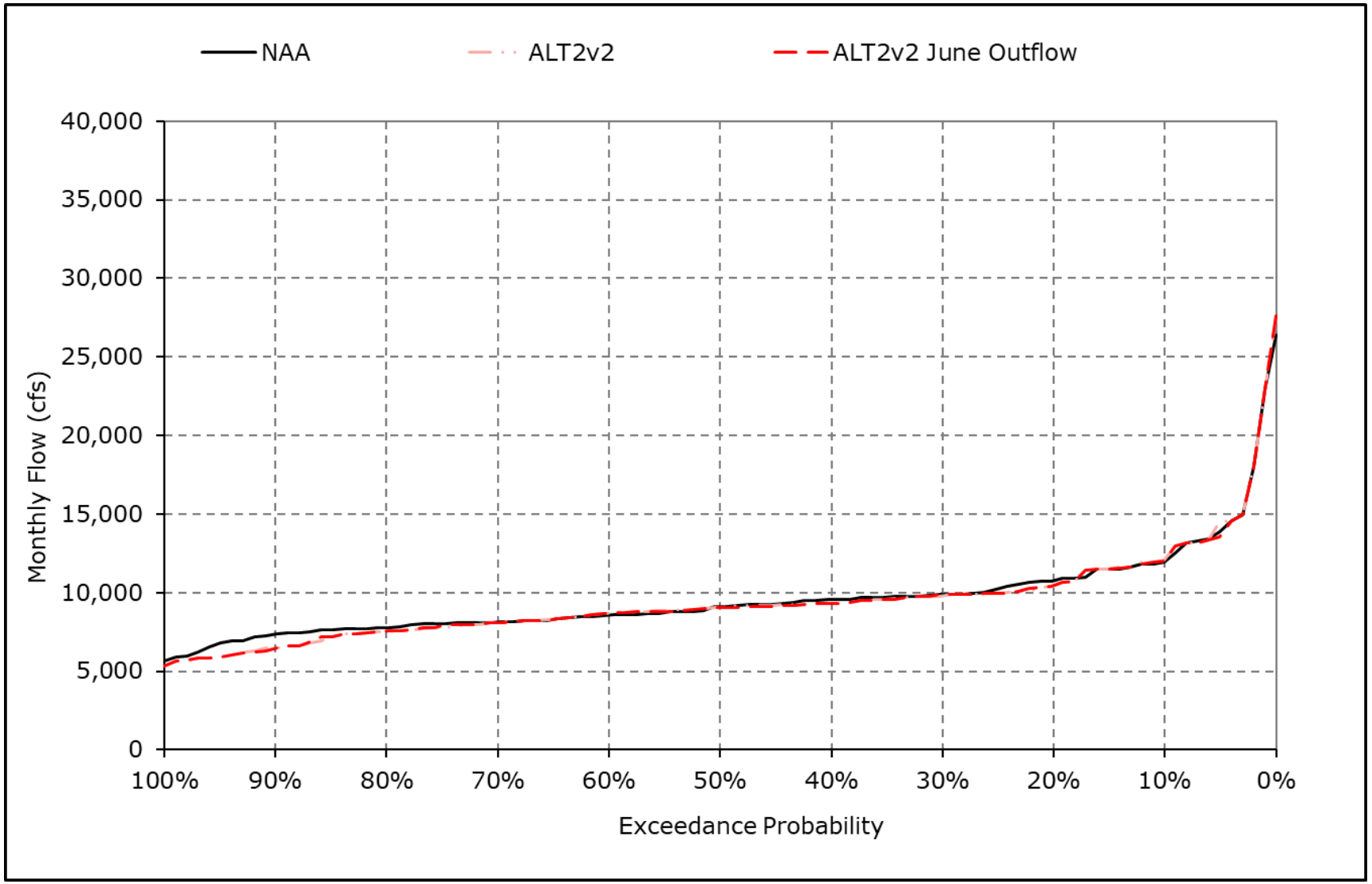
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-12. Sacramento Flow River at Bend Bridge, March



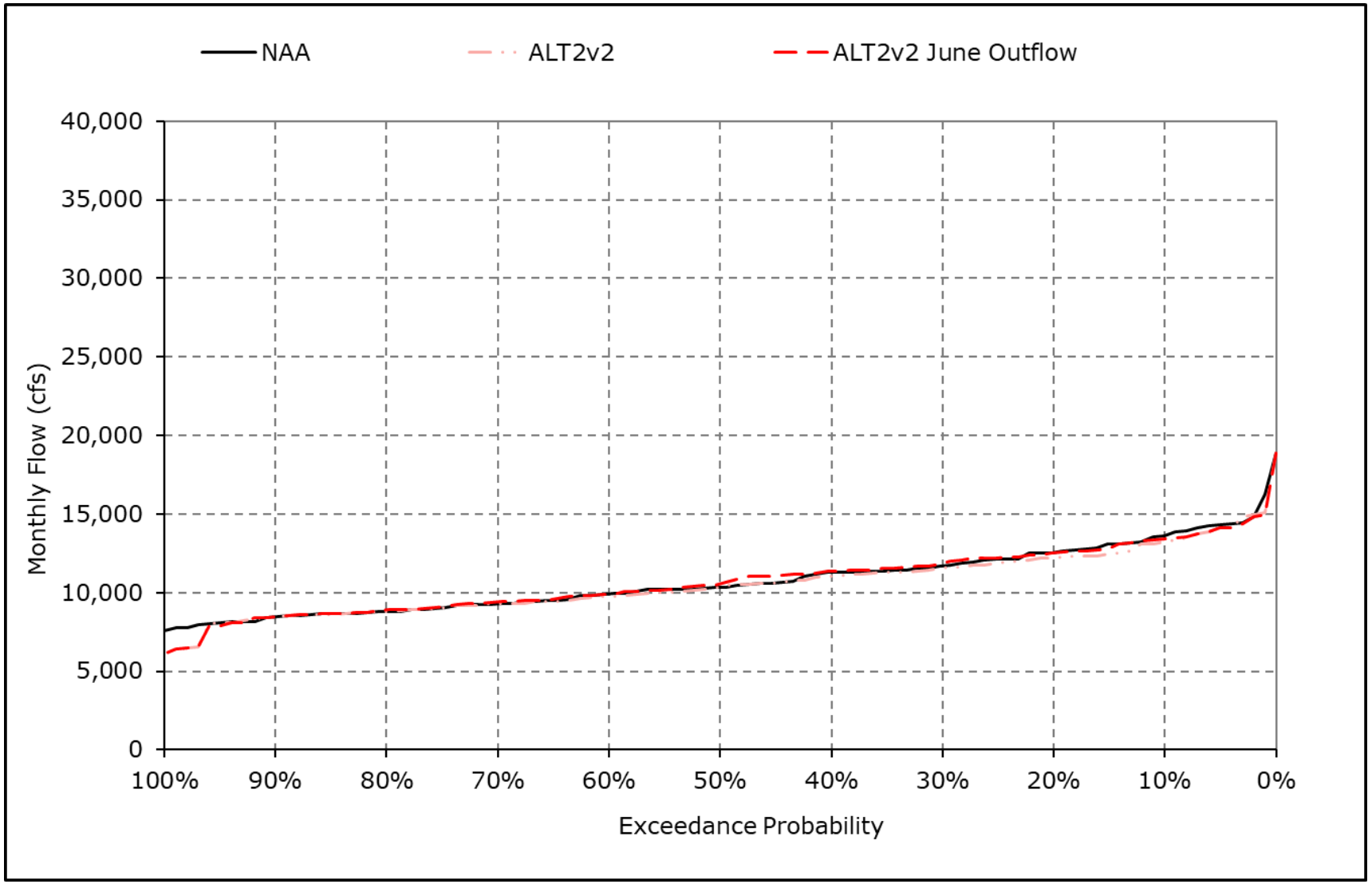
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-13. Sacramento Flow River at Bend Bridge, April



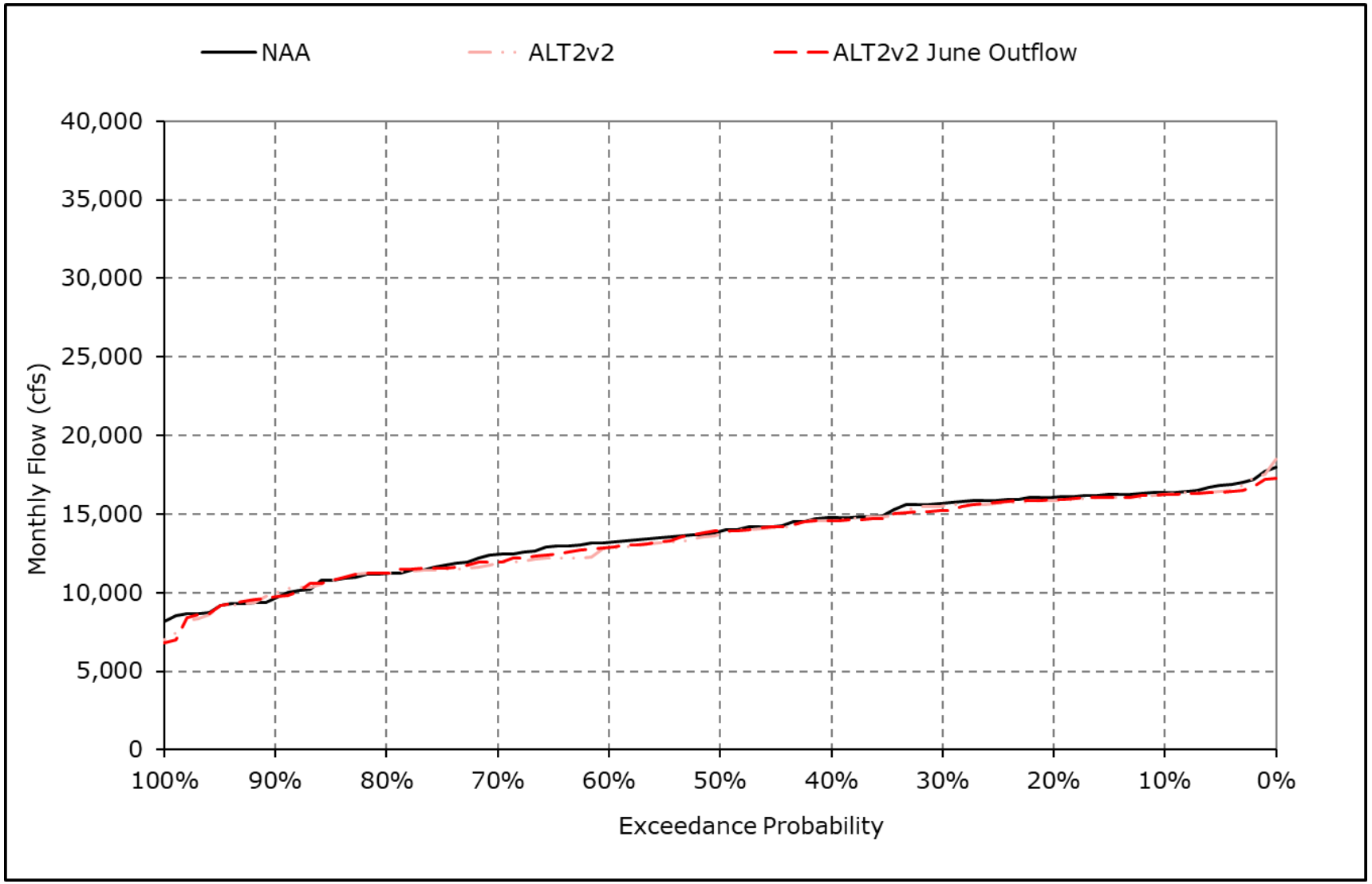
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-14. Sacramento Flow River at Bend Bridge, May



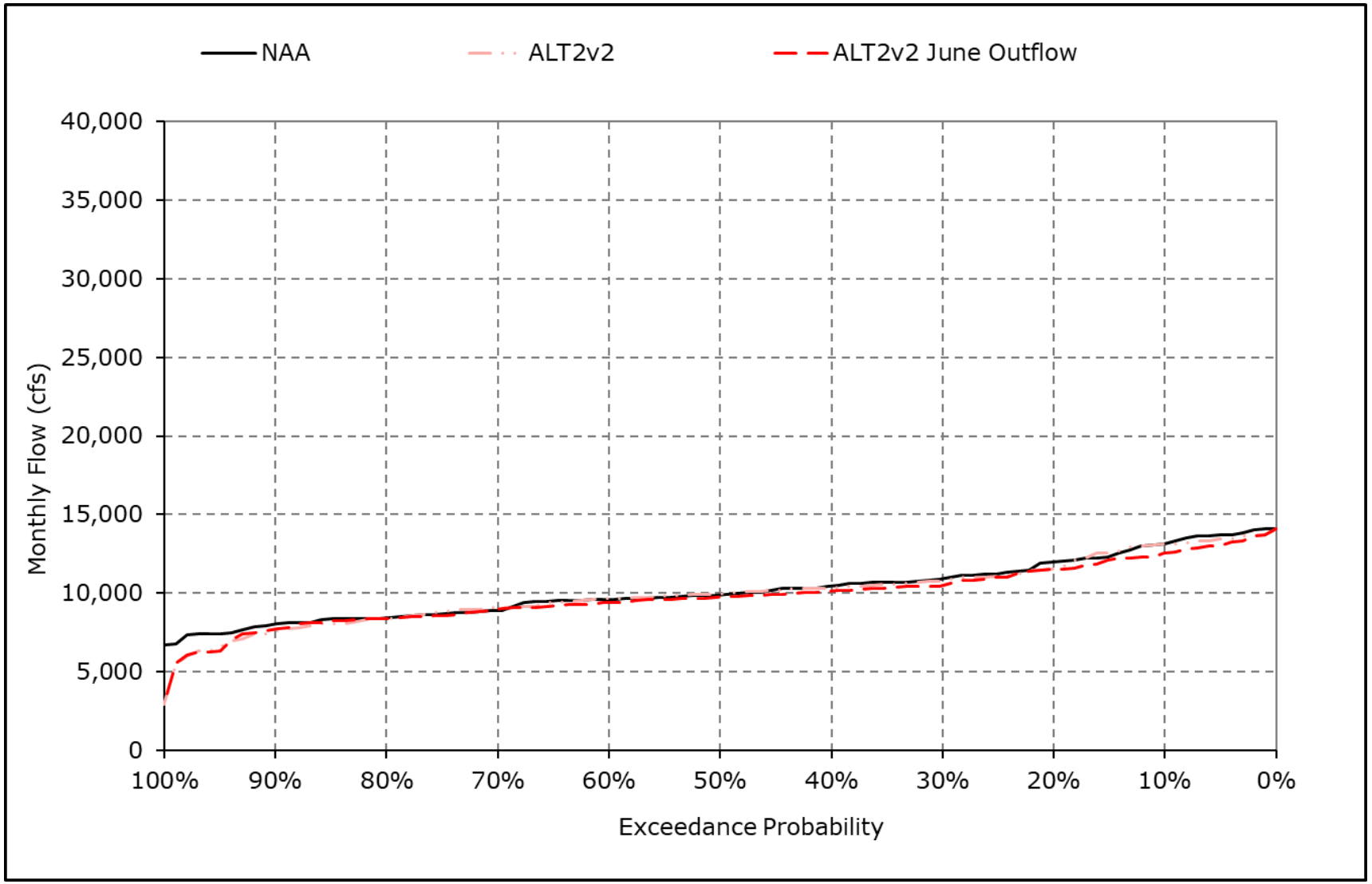
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-4-15. Sacramento Flow River at Bend Bridge, June



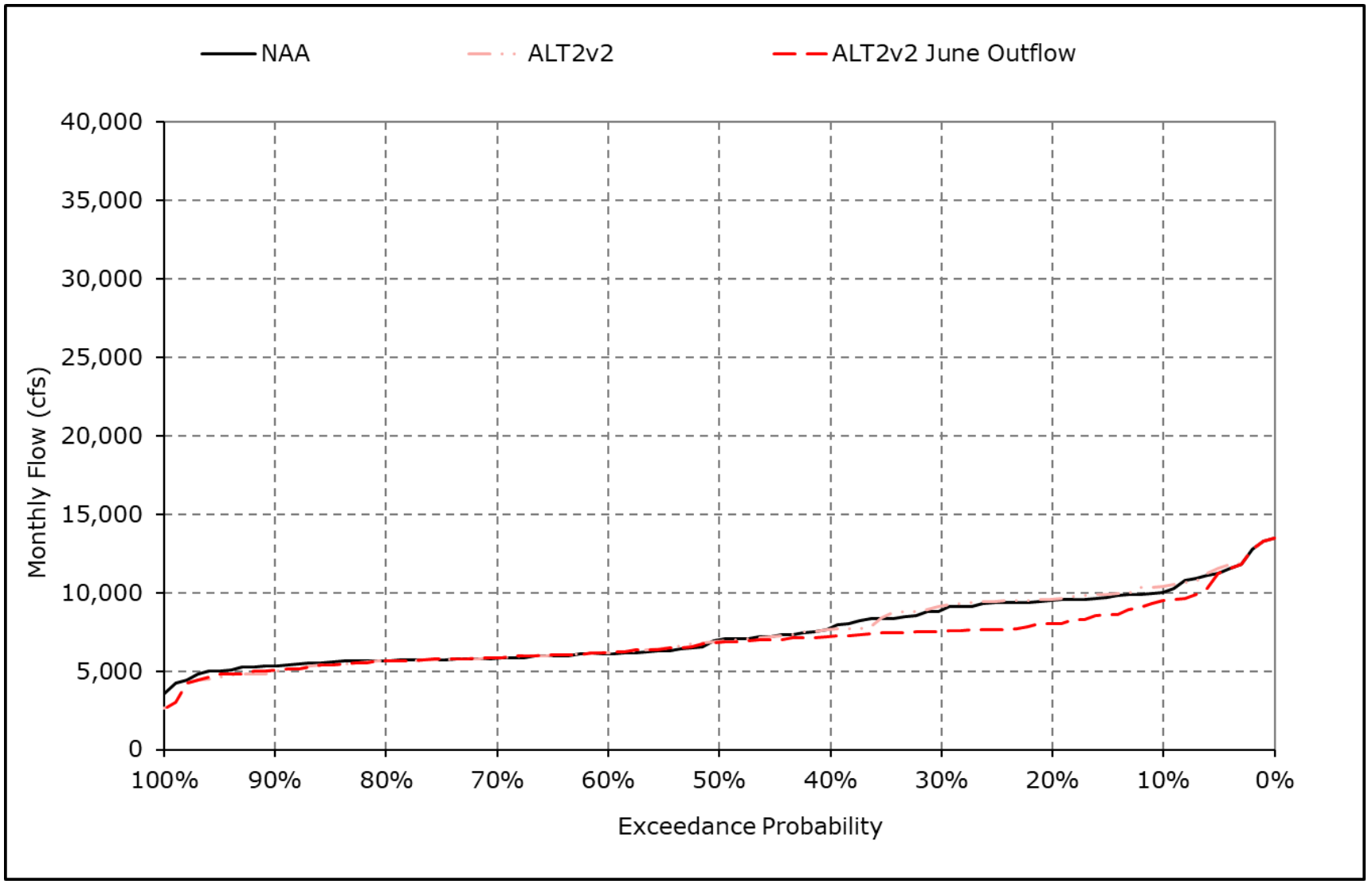
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-5-1c. Sacramento River below Red Bluff Diversion Dam Flow, ALT2v2 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.2.2-5-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

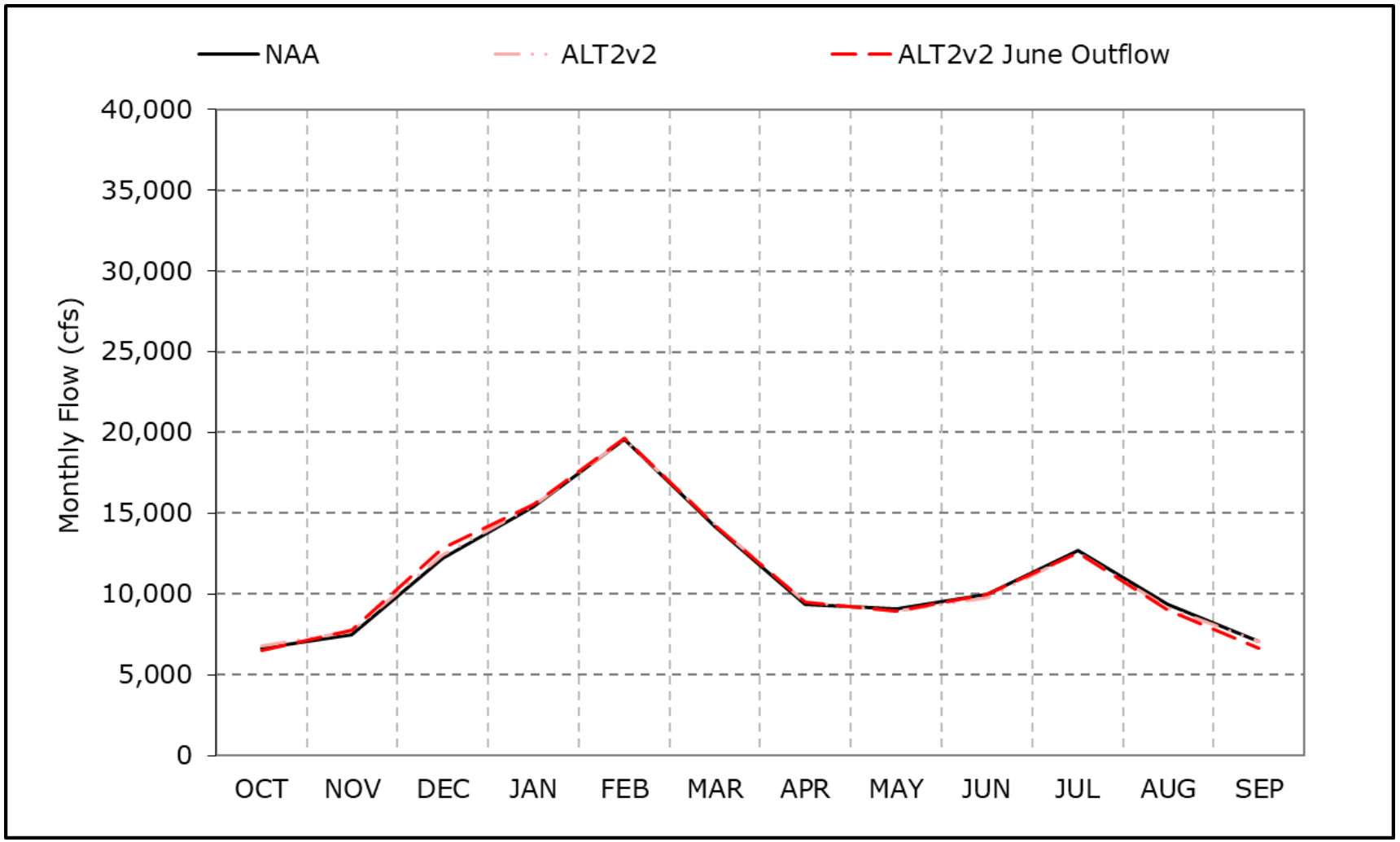
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,875	9,803	28,076	37,969	49,173	27,265	15,586	11,429	12,495	15,115	11,423	8,960
20% Exceedance	7,888	8,662	19,424	22,569	31,146	20,640	11,408	9,904	11,822	14,796	10,540	7,475
30% Exceedance	6,820	7,821	11,943	16,431	18,193	14,271	9,193	9,105	11,125	14,192	9,726	6,948
40% Exceedance	6,290	7,503	10,045	11,867	13,381	10,560	8,268	8,702	10,447	13,518	9,123	6,668
50% Exceedance	6,037	7,056	7,989	8,776	10,730	8,661	7,570	8,300	9,791	12,980	8,741	6,360
60% Exceedance	5,771	6,625	7,348	7,212	8,298	7,860	7,037	7,957	9,078	12,210	8,480	5,822
70% Exceedance	5,455	6,244	6,368	6,190	7,367	7,075	6,549	7,471	8,405	11,170	7,988	5,645
80% Exceedance	5,219	5,911	5,567	5,751	6,458	6,253	5,896	7,110	8,051	10,348	7,732	5,336
90% Exceedance	4,819	5,399	5,052	5,049	5,492	5,477	5,087	6,231	7,794	9,471	7,376	4,976
Full Simulation Period Average[a]	6,491	7,769	12,808	15,545	19,649	14,254	9,522	8,922	9,962	12,545	8,991	6,610
Wet Water Years (28%)	7,876	8,962	14,542	30,287	37,018	25,304	15,035	9,443	9,515	12,797	9,364	8,536
Above Normal Water Years (14%)	6,628	9,278	11,630	19,084	26,326	17,550	9,066	9,181	10,496	14,473	9,503	6,894
Below Normal Water Years (18%)	6,515	7,332	14,146	10,386	10,383	9,416	7,657	10,173	10,301	13,046	10,111	6,107
Dry Water Years (24%)	5,754	6,942	14,139	6,361	10,709	8,386	7,225	8,429	10,542	12,316	8,826	5,754
Critical Water Years (16%)	4,920	5,883	7,015	6,227	7,248	6,280	5,819	7,116	9,029	10,196	6,875	4,843

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

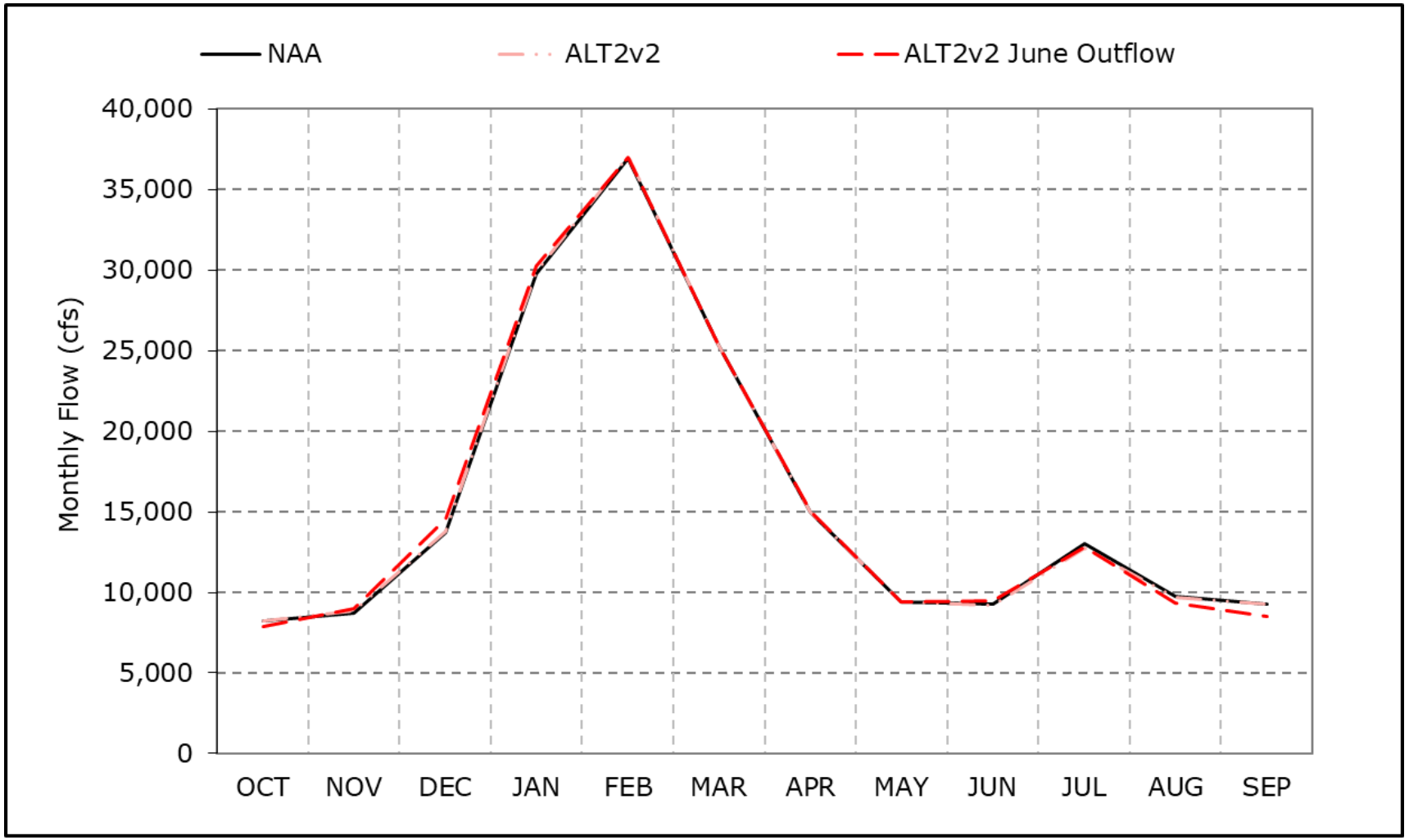
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-324	160	-3	2,518	3	-368	-3	51	-195	-152	-754	-494
20% Exceedance	-412	291	2,452	-415	1	-118	2	-156	137	-213	-340	-1,439
30% Exceedance	-687	62	-11	-5	-648	-8	-248	-90	322	-394	-272	-1,392
40% Exceedance	-470	330	1,155	107	367	10	242	-133	114	-48	-345	-456
50% Exceedance	-61	346	498	203	43	67	83	-124	389	-31	-112	-48
60% Exceedance	82	237	826	173	-20	-8	182	1	155	-223	-133	31
70% Exceedance	0	131	526	-11	32	21	325	-128	98	-159	-208	8
80% Exceedance	18	33	306	78	-149	194	617	-282	74	85	-88	-126
90% Exceedance	-44	229	410	45	39	415	428	-700	21	-35	-46	-239
Full Simulation Period Average[a]	-180	303	581	168	87	68	138	-127	13	-173	-332	-456
Wet Water Years (28%)	-352	279	841	537	102	8	34	47	271	-201	-393	-729
Above Normal Water Years (14%)	-800	240	900	-101	-83	-122	-5	15	494	-165	-860	-1,713
Below Normal Water Years (18%)	47	418	286	-18	124	95	-41	-75	8	-427	-158	251
Dry Water Years (24%)	44	135	644	-15	211	-1	-86	-253	-206	-168	177	77
Critical Water Years (16%)	128	541	28	239	-20	411	983	-423	-526	145	-719	-478

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



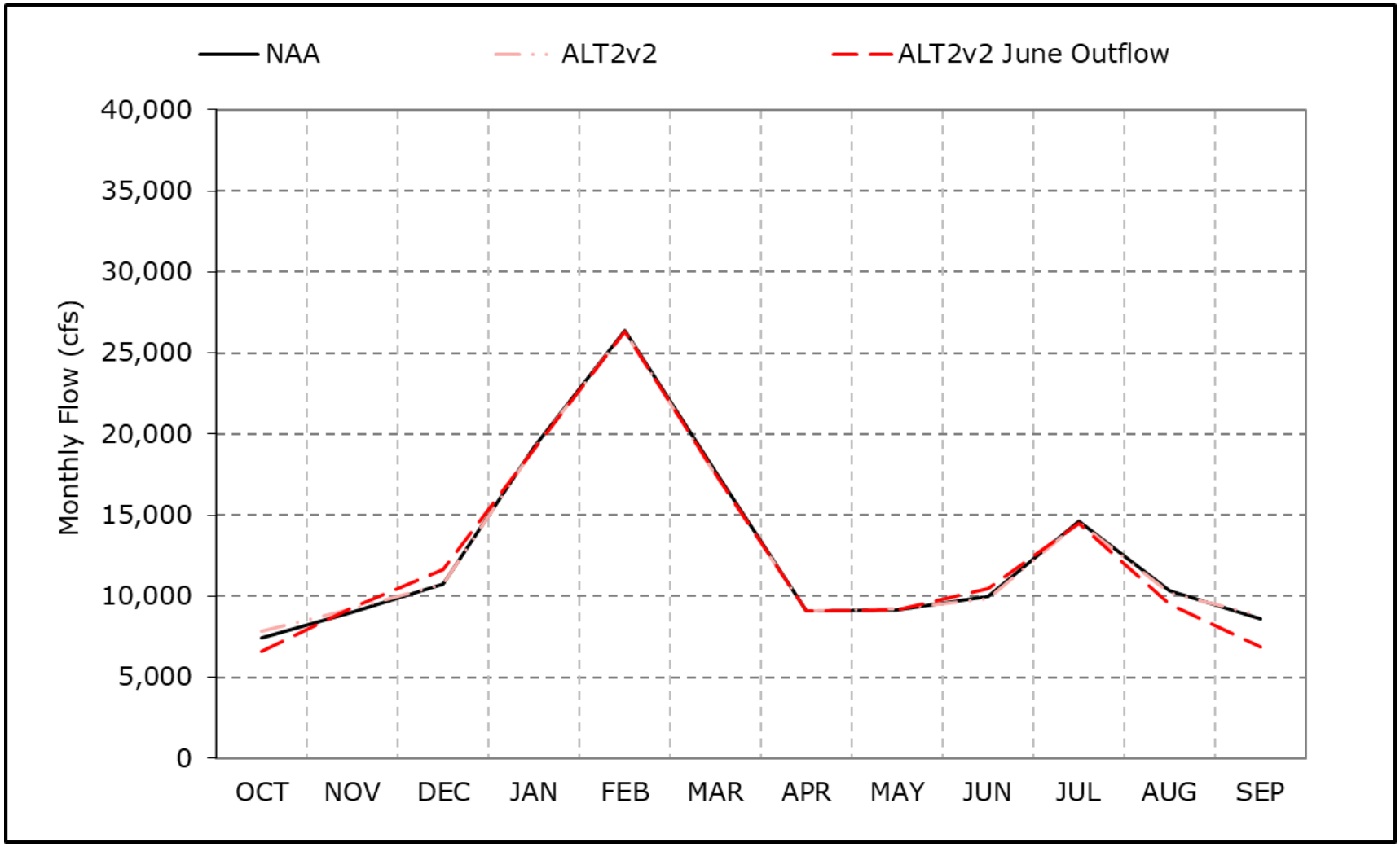
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-1. Sacramento River below Red Bluff Diversion Dam Flow, Long- Term Average Flow



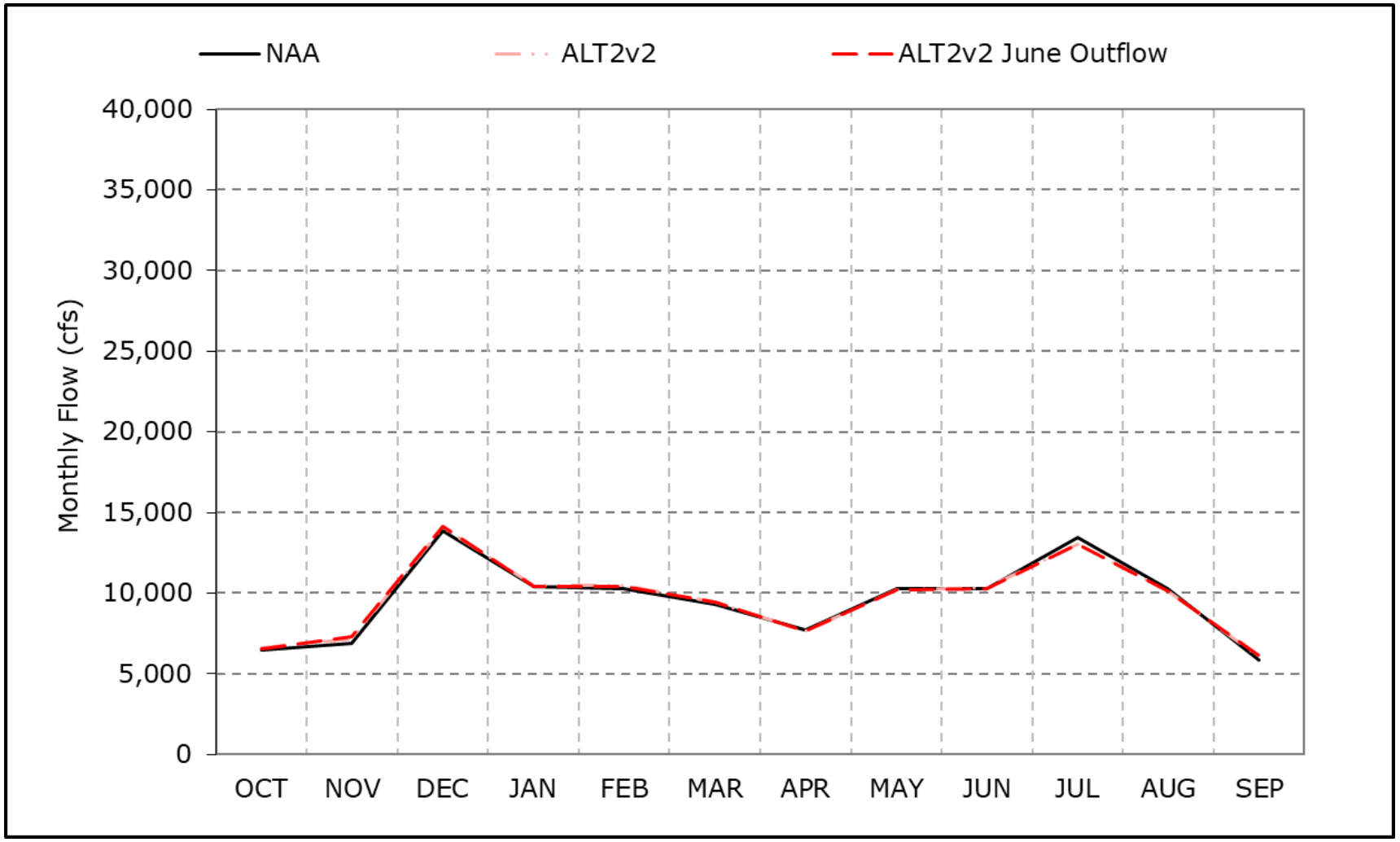
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-2. Sacramento River below Red Bluff Diversion Dam Flow, Wet Year Average Flow



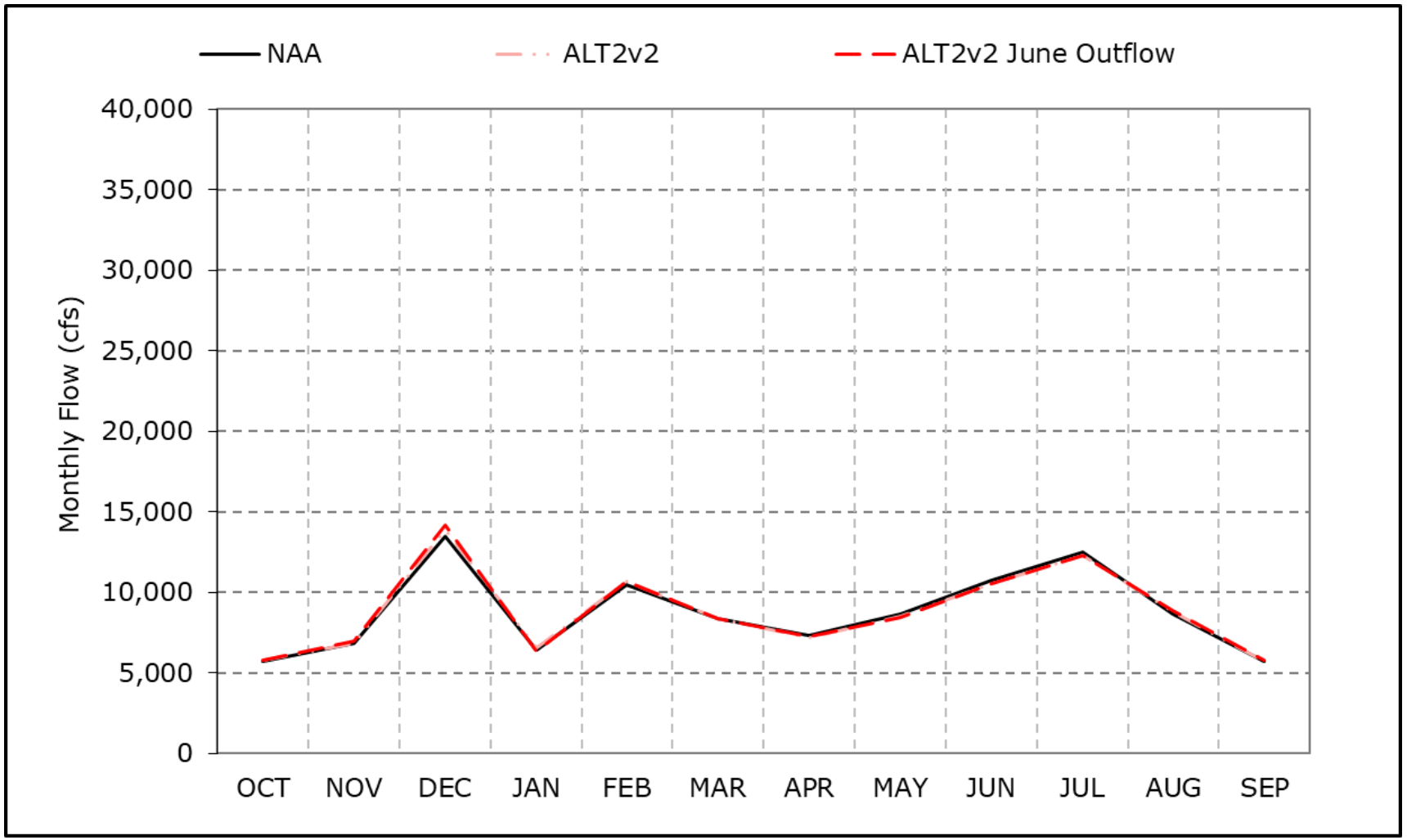
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-3. Sacramento River below Red Bluff Diversion Dam Flow, Above Normal Year Average Flow



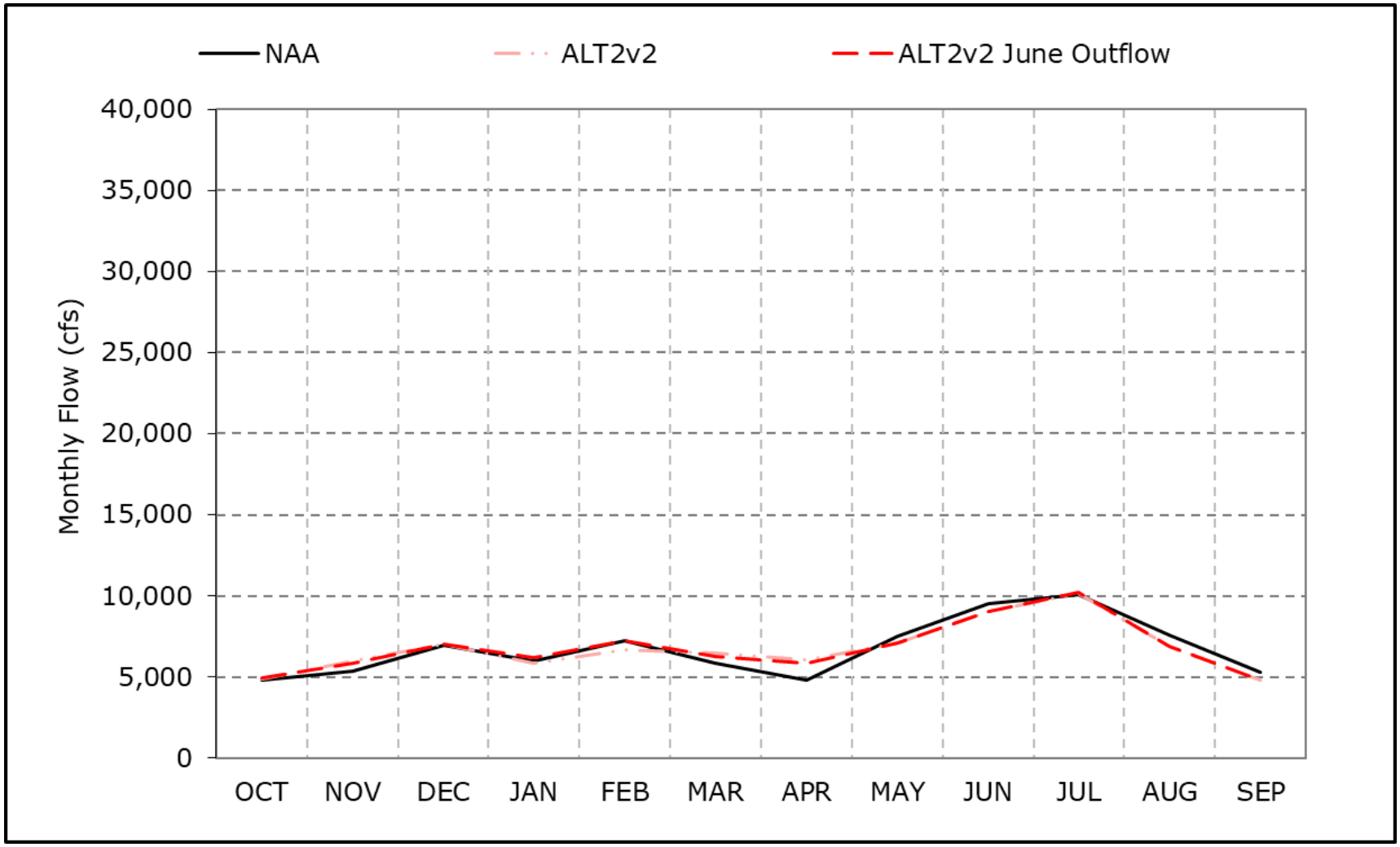
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-4. Sacramento River below Red Bluff Diversion Dam Flow, Below Normal Year Average Flow



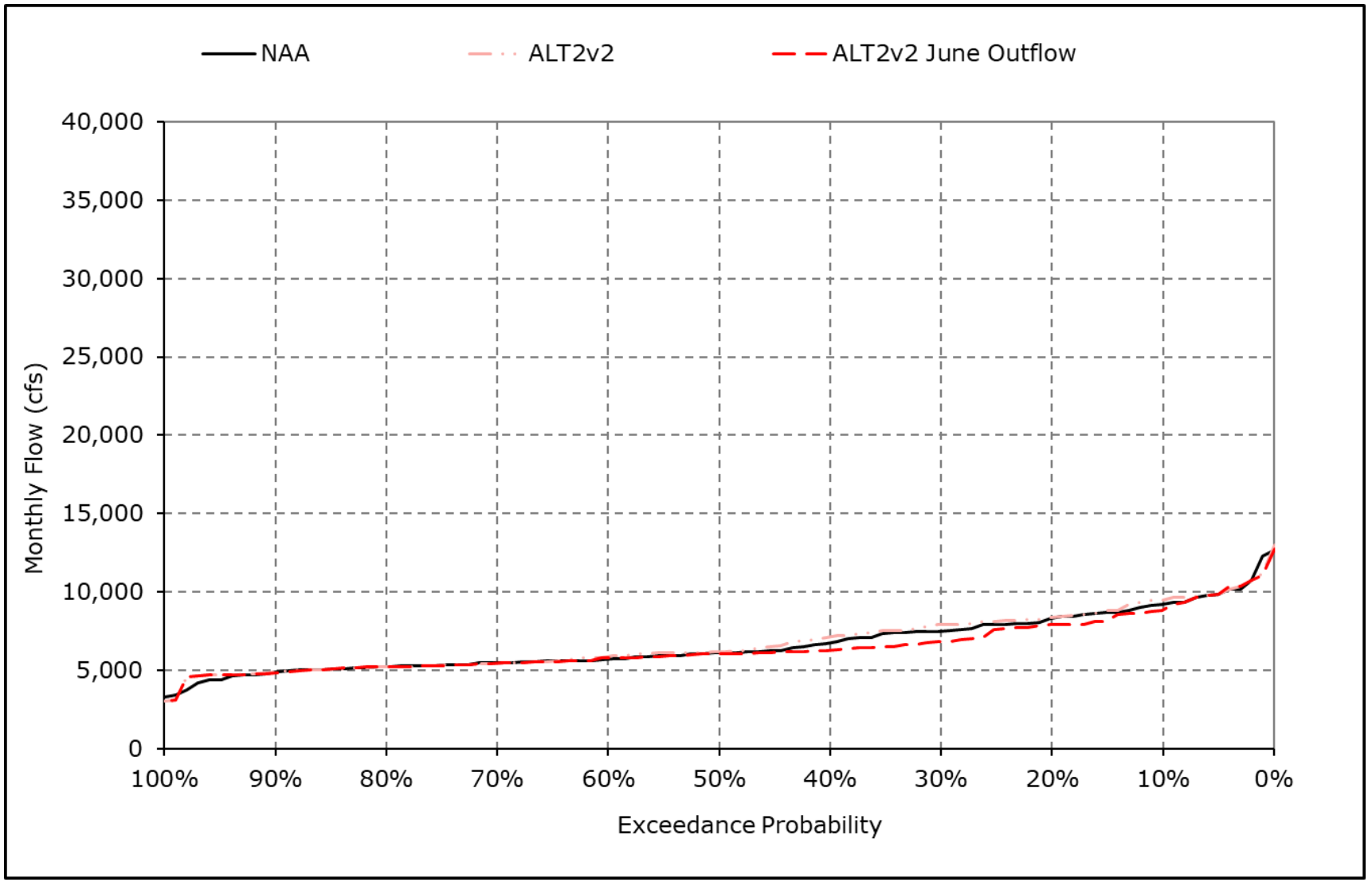
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-5. Sacramento River below Red Bluff Diversion Dam Flow, Dry Year Average Flow



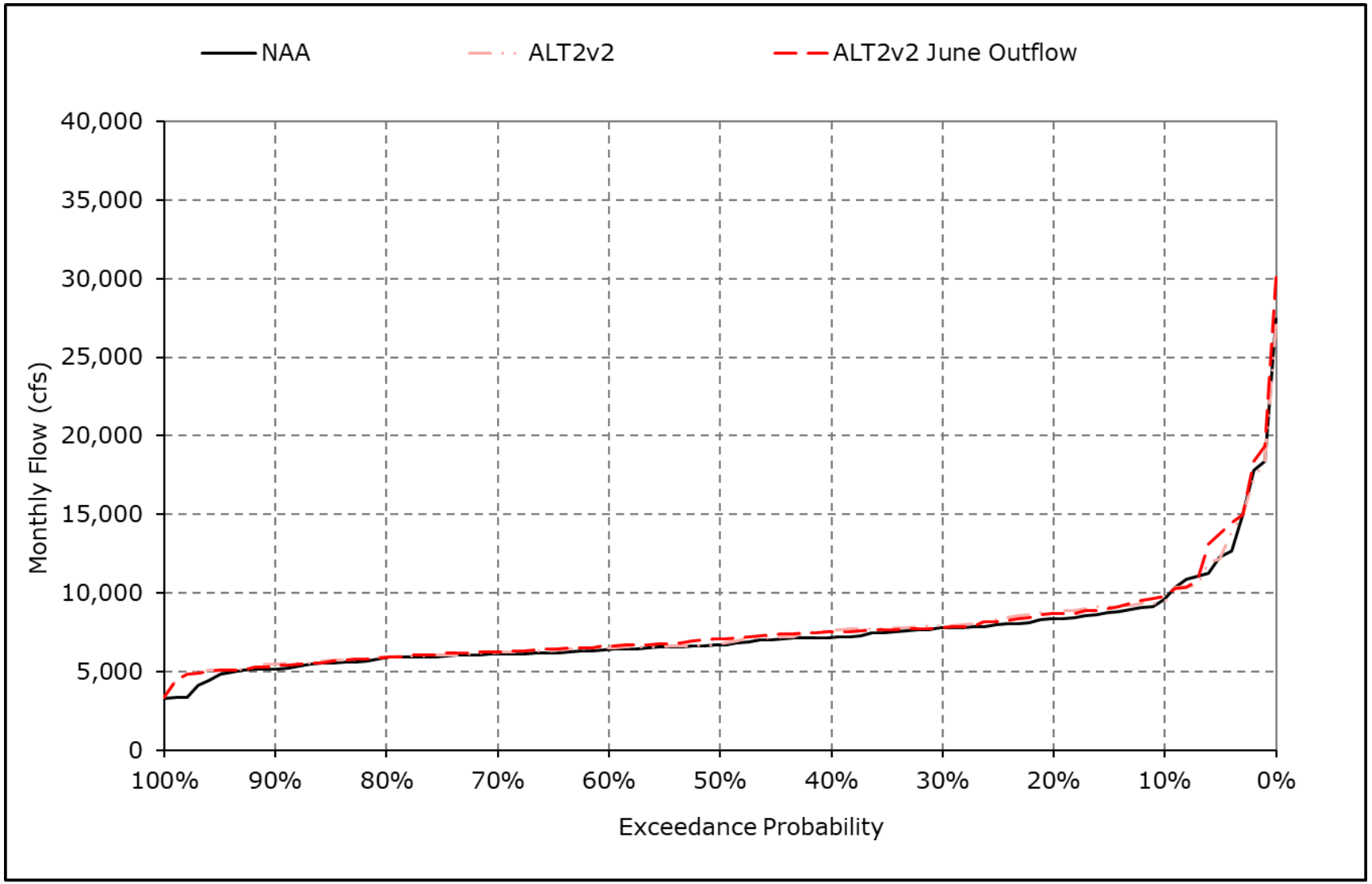
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-5-6. Sacramento River below Red Bluff Diversion Dam Flow, Critical Year Average Flow



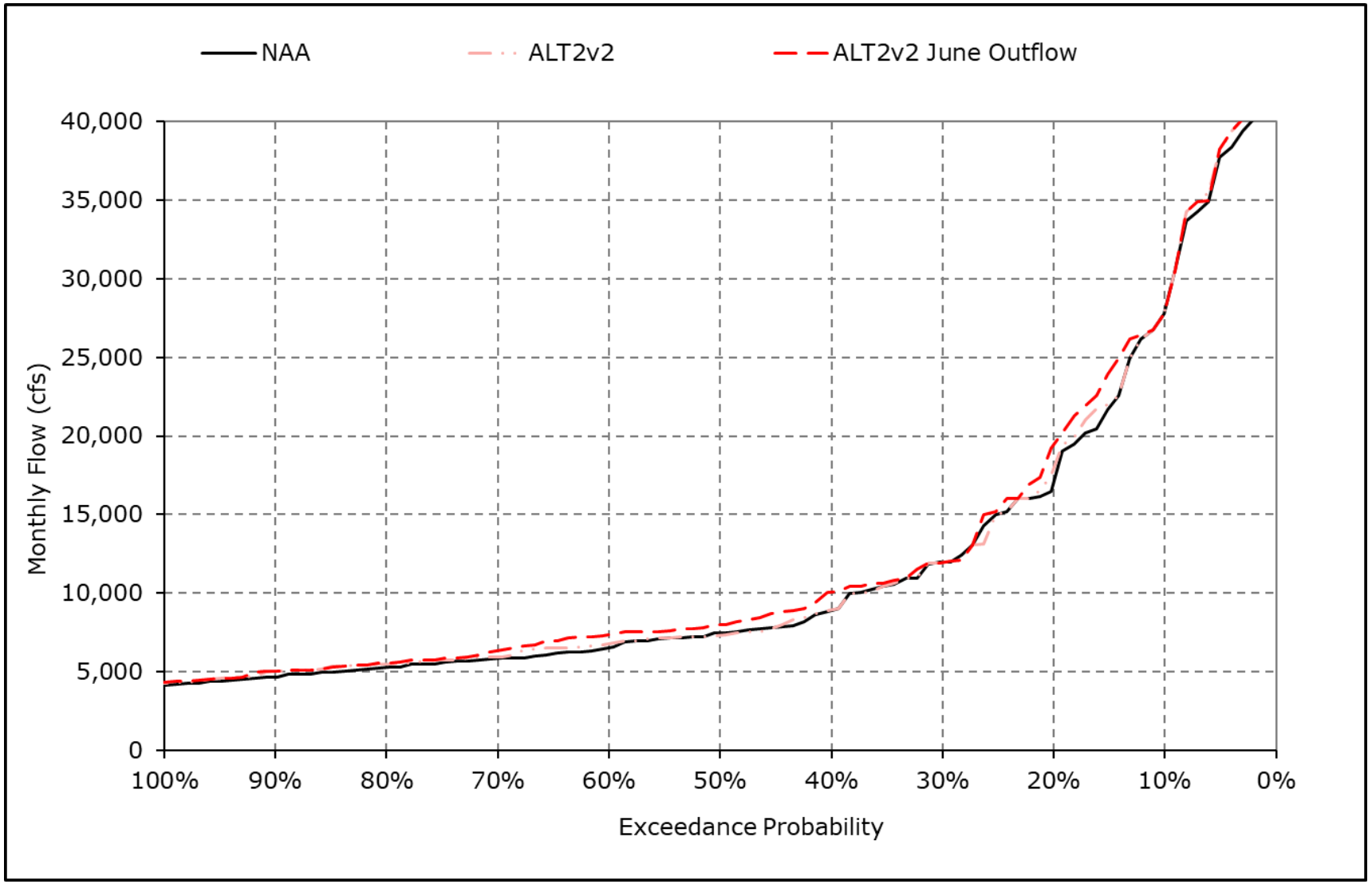
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-7. Sacramento River below Red Bluff Diversion Dam Flow, October



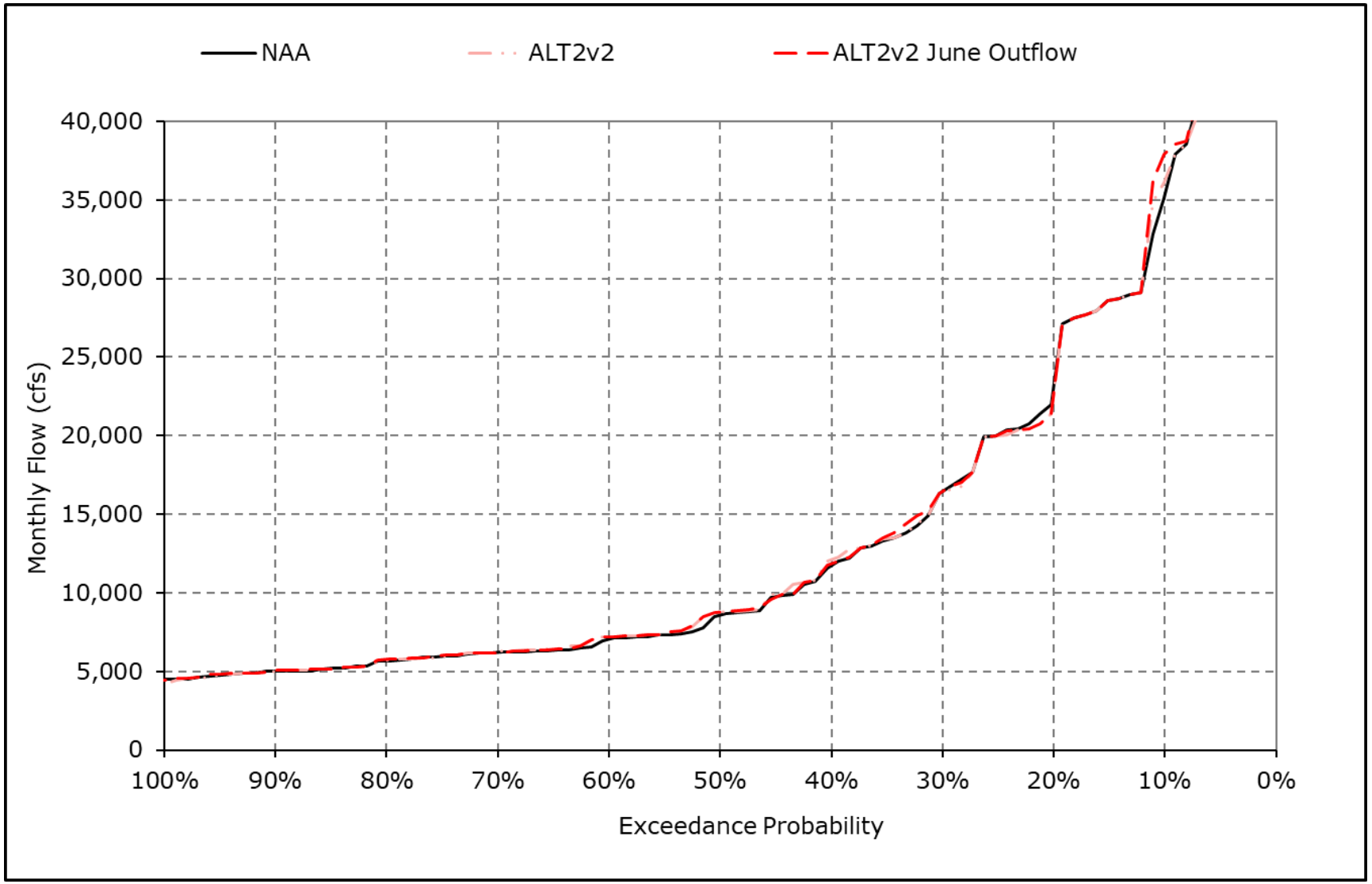
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-8. Sacramento River below Red Bluff Diversion Dam Flow, November



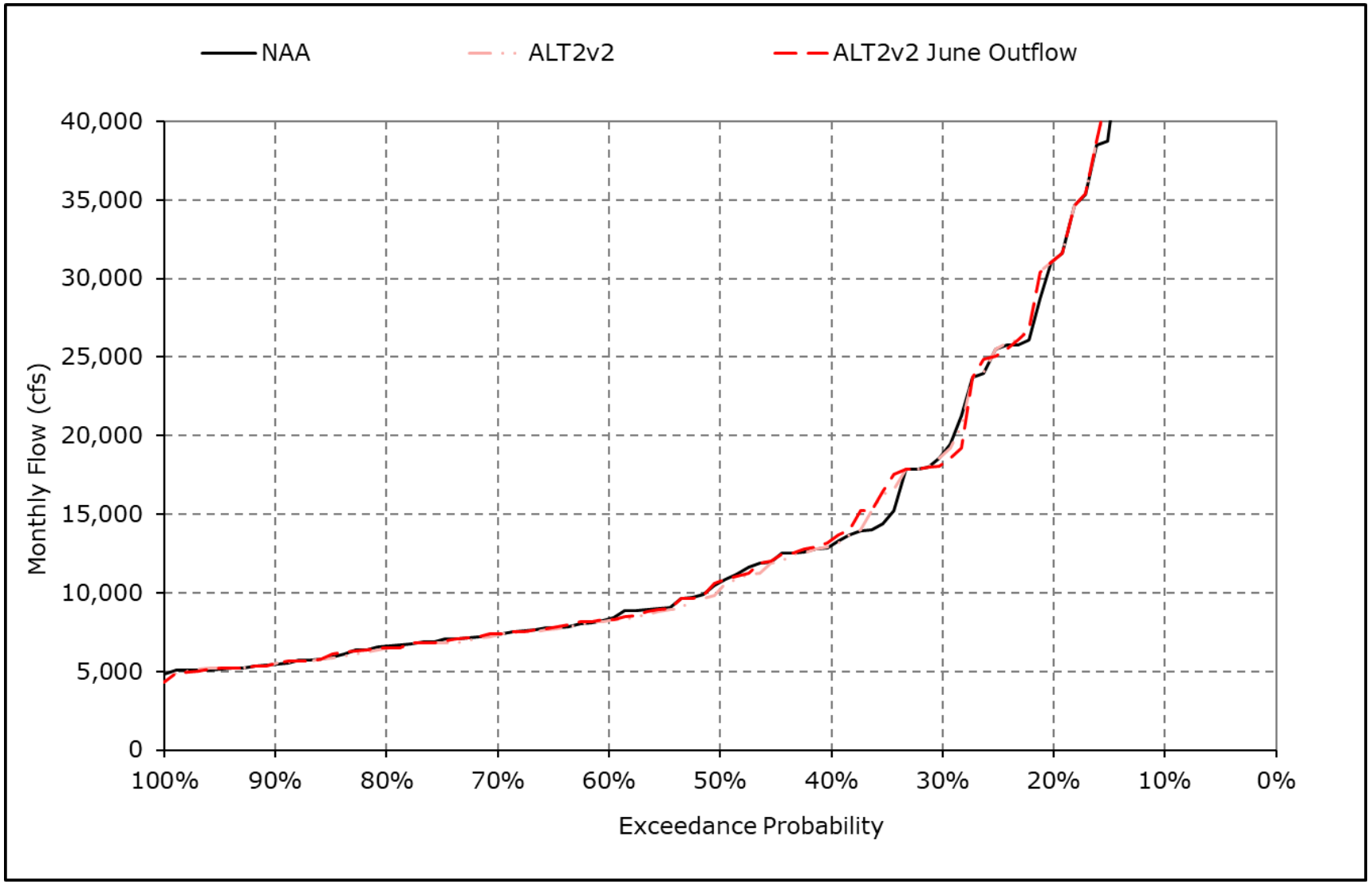
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-9. Sacramento River below Red Bluff Diversion Dam Flow, December



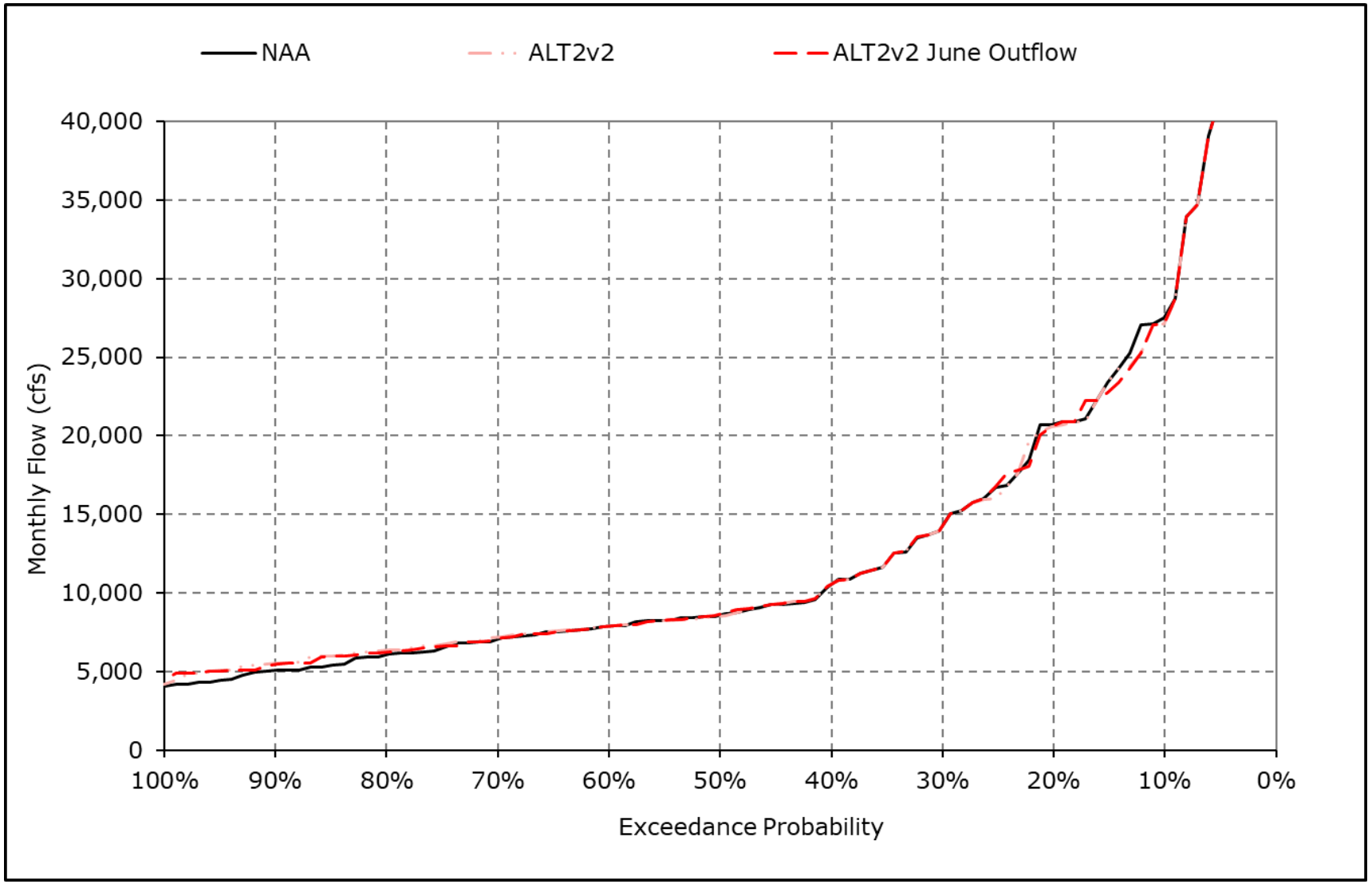
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-10. Sacramento River below Red Bluff Diversion Dam Flow, January



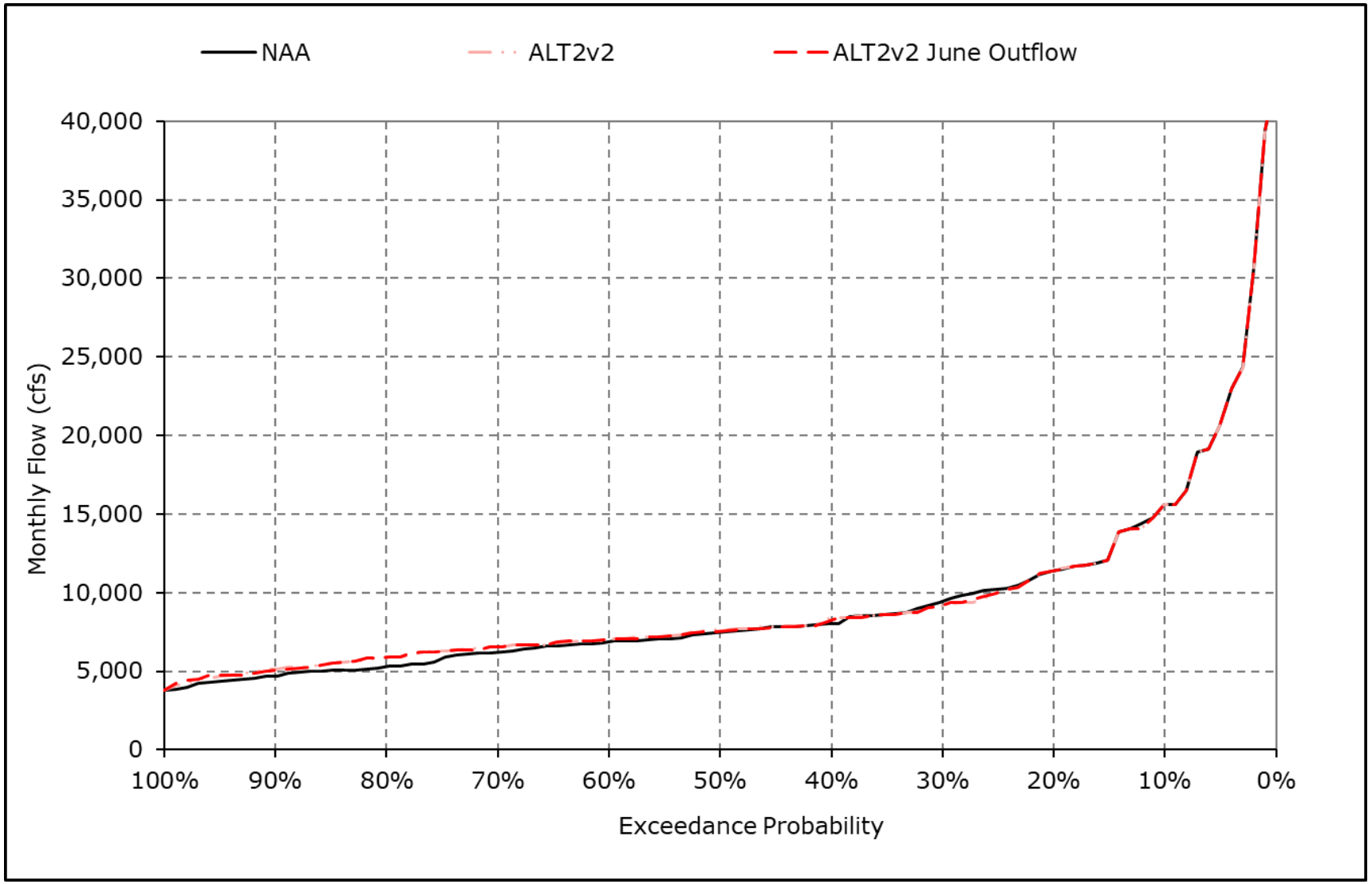
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-11. Sacramento River below Red Bluff Diversion Dam Flow, February



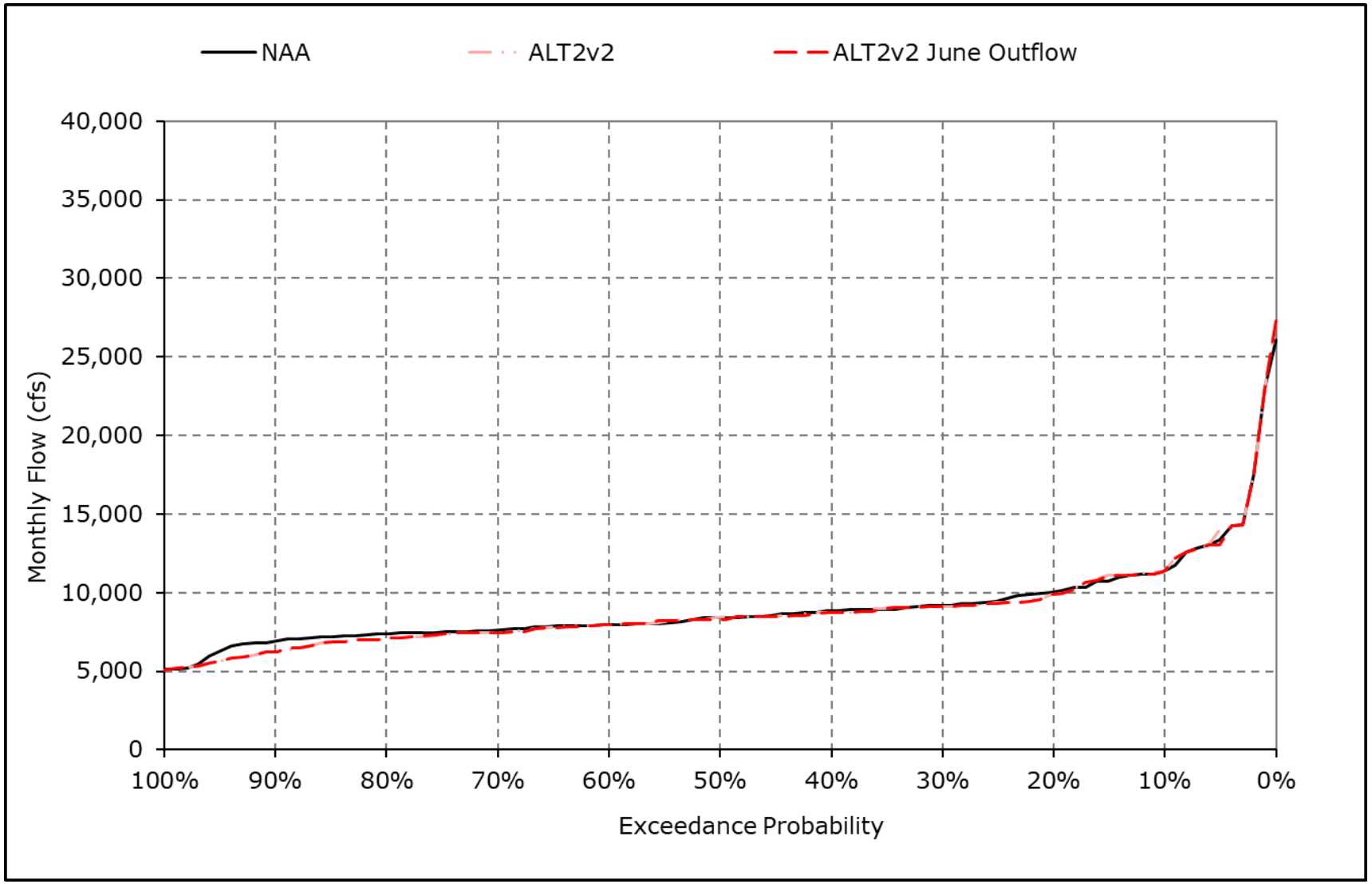
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-12. Sacramento River below Red Bluff Diversion Dam Flow, March



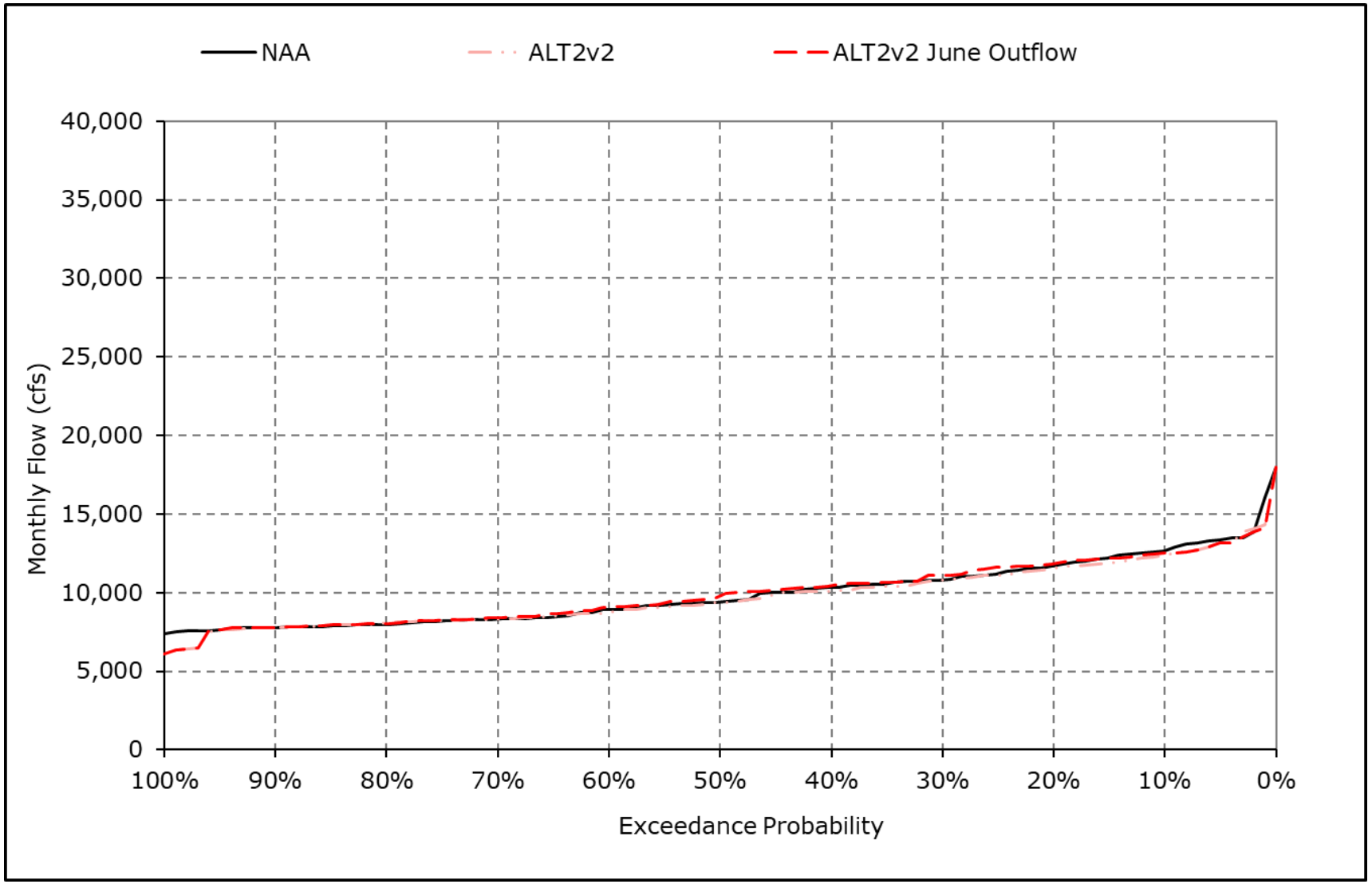
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-13. Sacramento River below Red Bluff Diversion Dam Flow, April



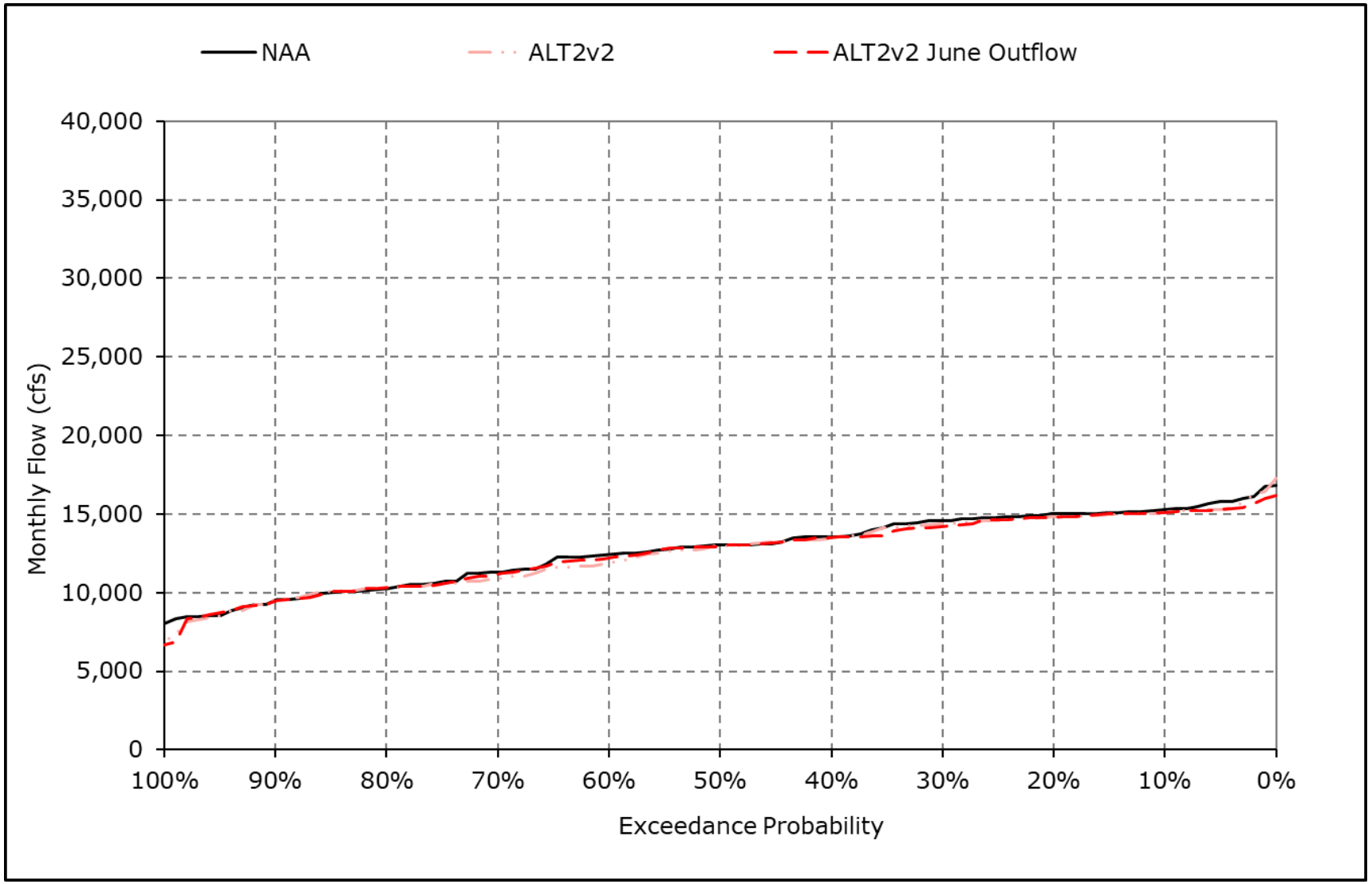
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-14. Sacramento River below Red Bluff Diversion Dam Flow, May



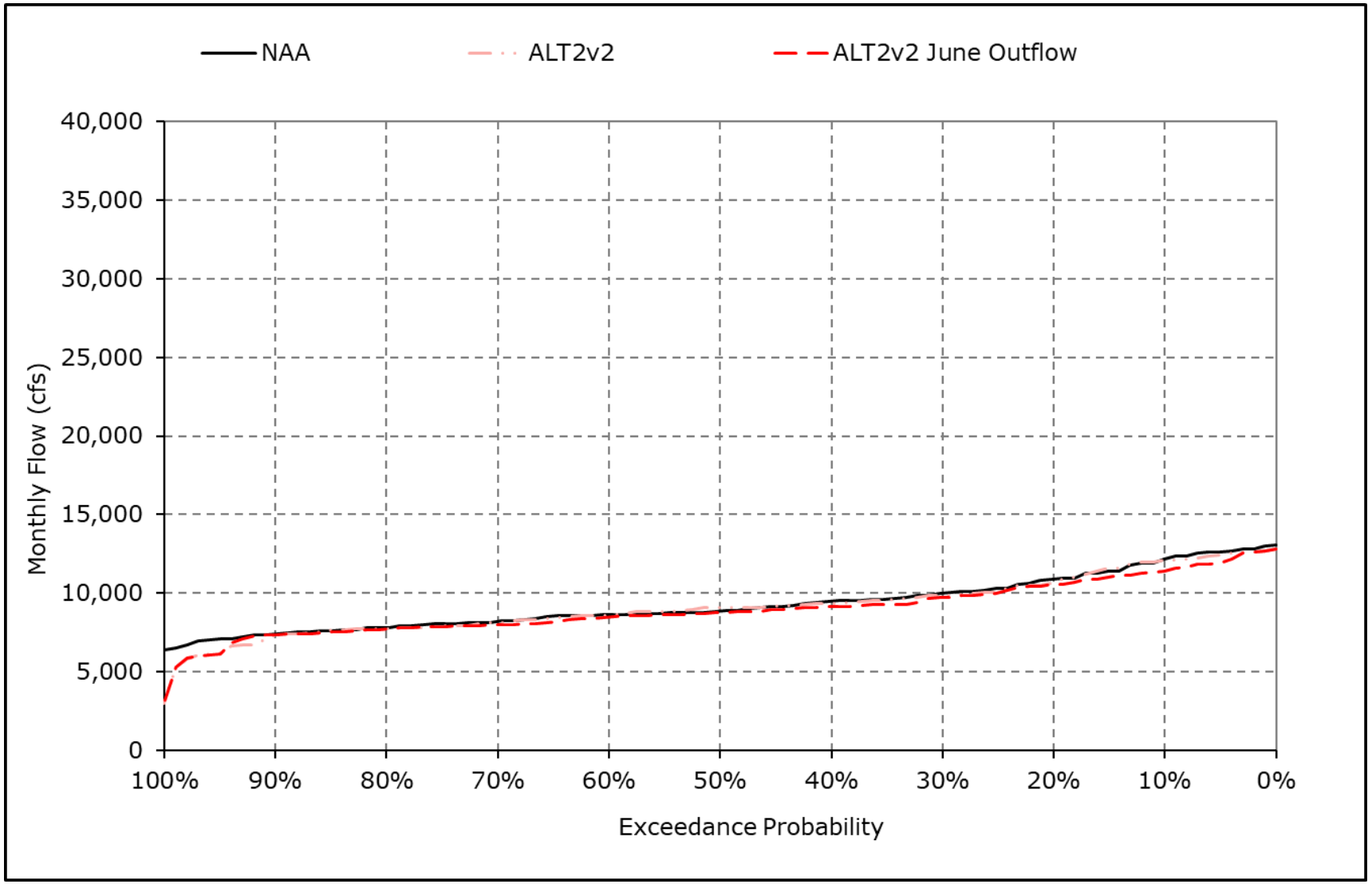
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-5-15. Sacramento River below Red Bluff Diversion Dam Flow, June



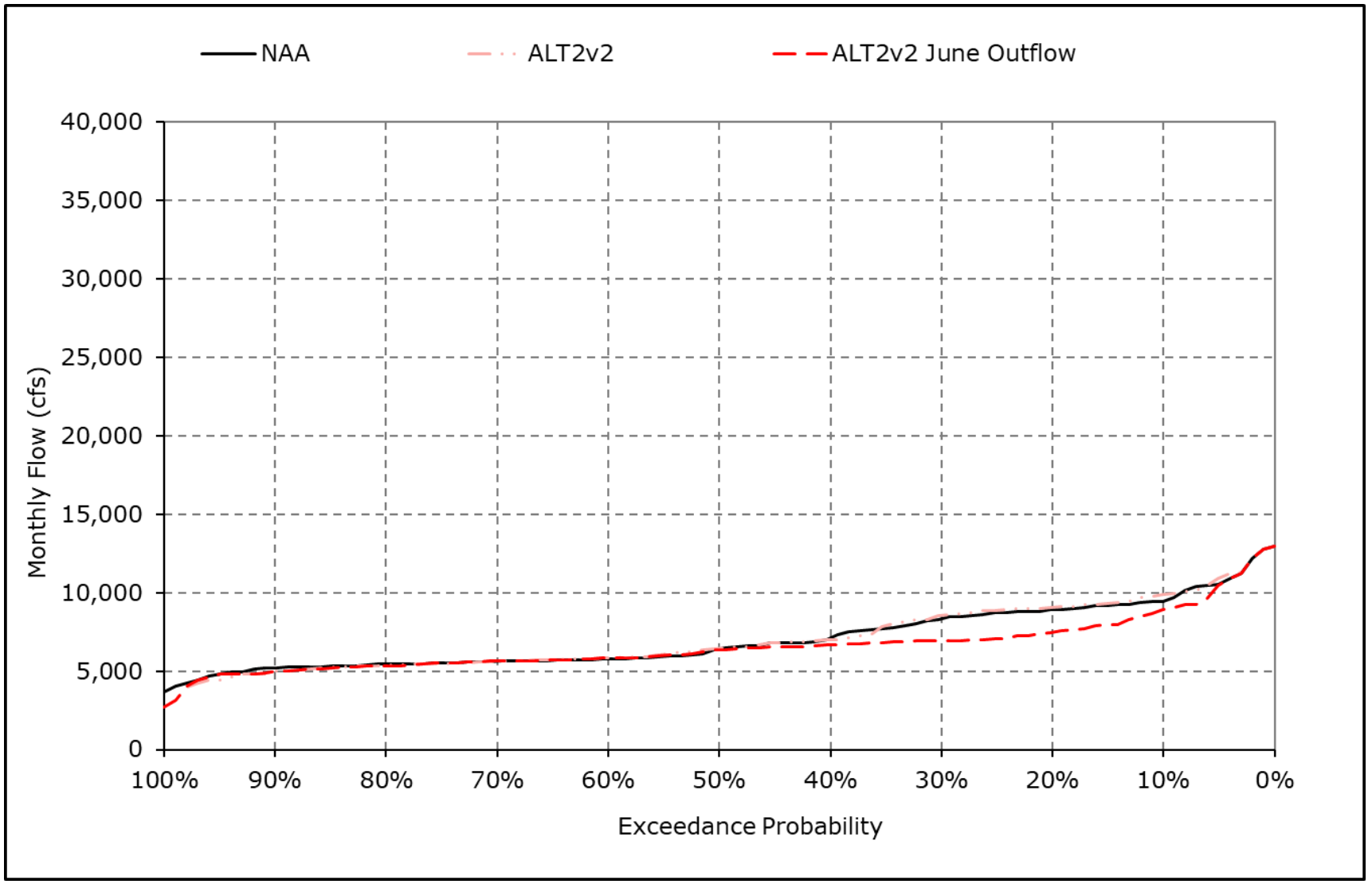
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-6-1c. Sacramento River Flow at Hamilton City, ALT2v2 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.2.2-6-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

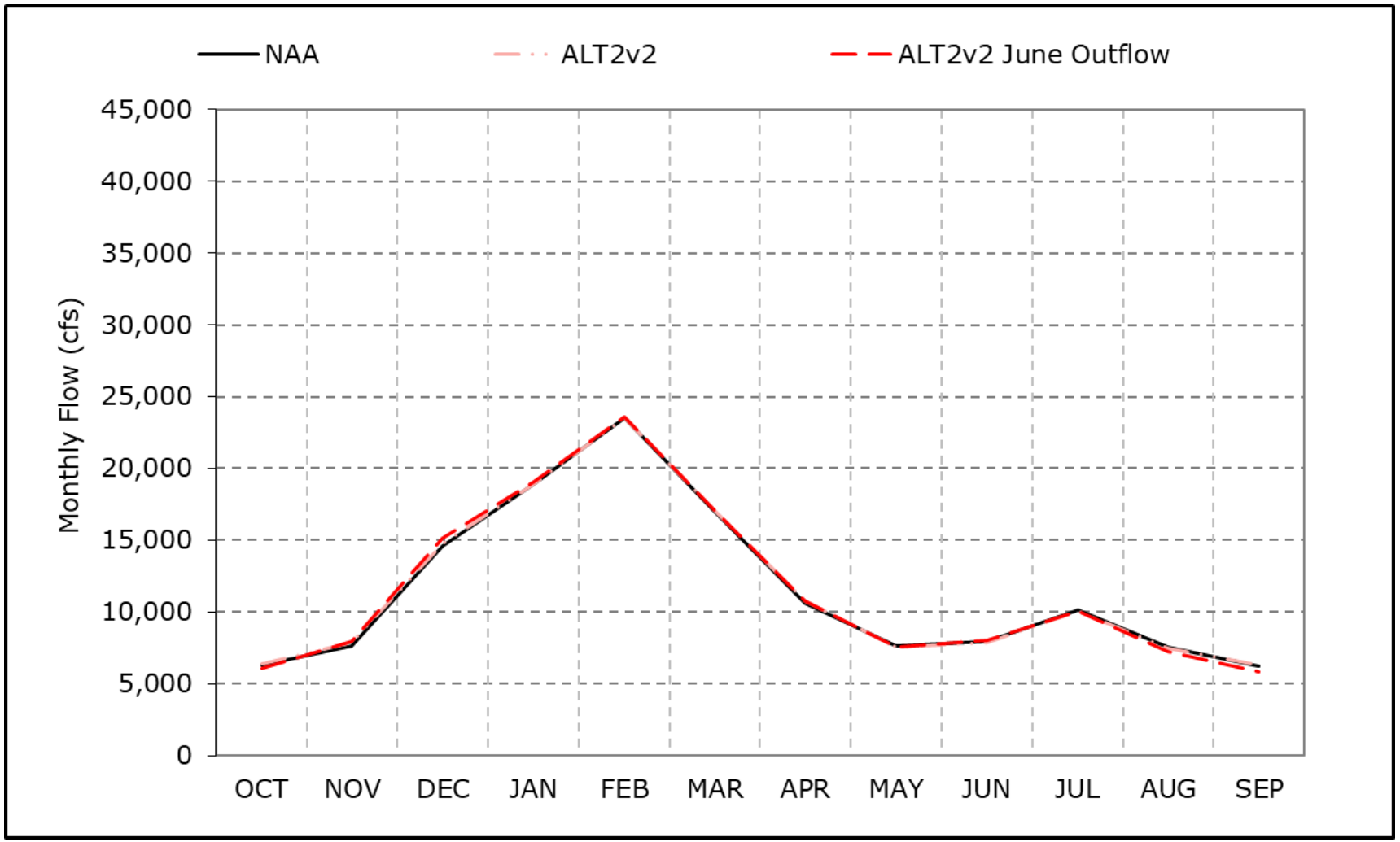
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,424	10,806	33,926	45,498	55,993	32,638	17,776	10,727	10,388	12,497	9,619	8,243
20% Exceedance	7,293	8,429	26,908	31,423	36,560	24,517	14,084	8,728	9,637	12,148	8,744	6,649
30% Exceedance	6,215	7,882	15,089	20,080	22,195	18,856	10,340	7,405	9,157	11,597	7,841	6,041
40% Exceedance	5,832	7,326	11,589	15,343	17,742	12,394	8,823	6,858	8,404	10,784	7,301	5,845
50% Exceedance	5,566	6,985	8,993	11,336	14,691	11,287	8,348	6,437	7,859	10,467	6,977	5,509
60% Exceedance	5,326	6,508	8,053	8,764	10,440	9,859	7,480	6,197	7,083	9,625	6,714	4,918
70% Exceedance	4,825	6,139	6,853	7,408	9,339	8,674	6,753	5,907	6,549	8,660	6,321	4,740
80% Exceedance	4,715	5,779	5,687	6,723	7,933	7,347	6,251	5,459	6,210	7,967	5,951	4,550
90% Exceedance	4,481	4,984	4,920	5,778	6,324	6,136	5,484	5,025	5,804	7,380	5,681	4,427
Full Simulation Period Average[a]	6,098	7,934	15,136	19,033	23,567	17,005	10,736	7,560	8,005	10,052	7,272	5,830
Wet Water Years (28%)	7,419	9,336	16,684	36,693	43,570	29,732	17,682	8,783	7,864	10,322	7,623	7,754
Above Normal Water Years (14%)	6,218	9,442	14,015	23,873	31,837	21,144	10,551	7,869	8,479	11,854	7,720	6,061
Below Normal Water Years (18%)	6,131	7,579	17,305	13,236	12,769	11,535	8,531	8,491	8,095	10,328	8,216	5,292
Dry Water Years (24%)	5,465	7,128	16,457	7,818	13,480	10,303	7,683	6,518	8,221	9,554	6,902	4,883
Critical Water Years (16%)	4,484	5,525	8,649	7,240	8,605	7,319	5,803	5,663	7,410	8,439	5,759	4,284

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

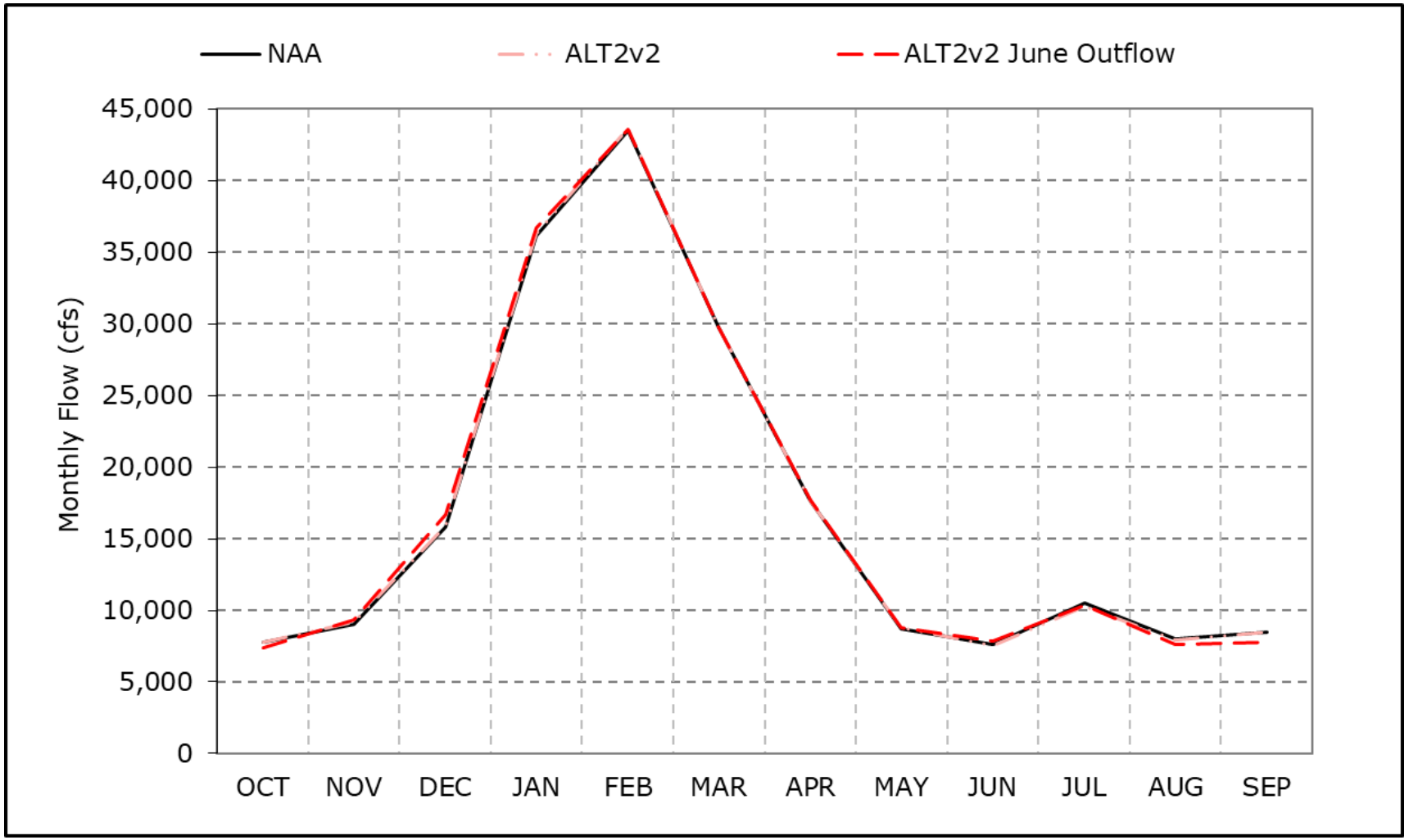
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-255	522	-4	2,400	4	2	0	-3	-56	-119	-790	-458
20% Exceedance	-547	260	2,231	26	677	-21	-1	552	77	-161	-367	-1,471
30% Exceedance	-757	107	28	-36	-306	107	-234	-163	436	-323	-275	-1,503
40% Exceedance	-666	7	151	813	1,092	24	-30	-143	192	-244	-355	-414
50% Exceedance	8	206	436	95	42	193	208	-71	206	99	-90	-14
60% Exceedance	-10	98	896	172	8	29	-6	-29	160	-28	-113	33
70% Exceedance	-57	198	599	104	106	-53	205	8	191	-120	-288	6
80% Exceedance	35	363	386	214	-140	36	559	-155	87	192	-55	-15
90% Exceedance	46	132	290	18	7	441	677	-267	30	288	-27	-12
Full Simulation Period Average[a]	-166	296	580	165	86	66	147	-54	82	-100	-276	-423
Wet Water Years (28%)	-355	276	840	532	102	7	32	46	271	-200	-392	-732
Above Normal Water Years (14%)	-804	237	893	-99	-82	-120	-6	16	492	-163	-857	-1,715
Below Normal Water Years (18%)	46	415	283	-20	122	93	-42	-73	5	-425	-160	245
Dry Water Years (24%)	41	133	641	-18	207	-3	-86	-249	-208	-166	176	75
Critical Water Years (16%)	236	514	39	236	-19	408	1,043	24	-86	592	-374	-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 Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



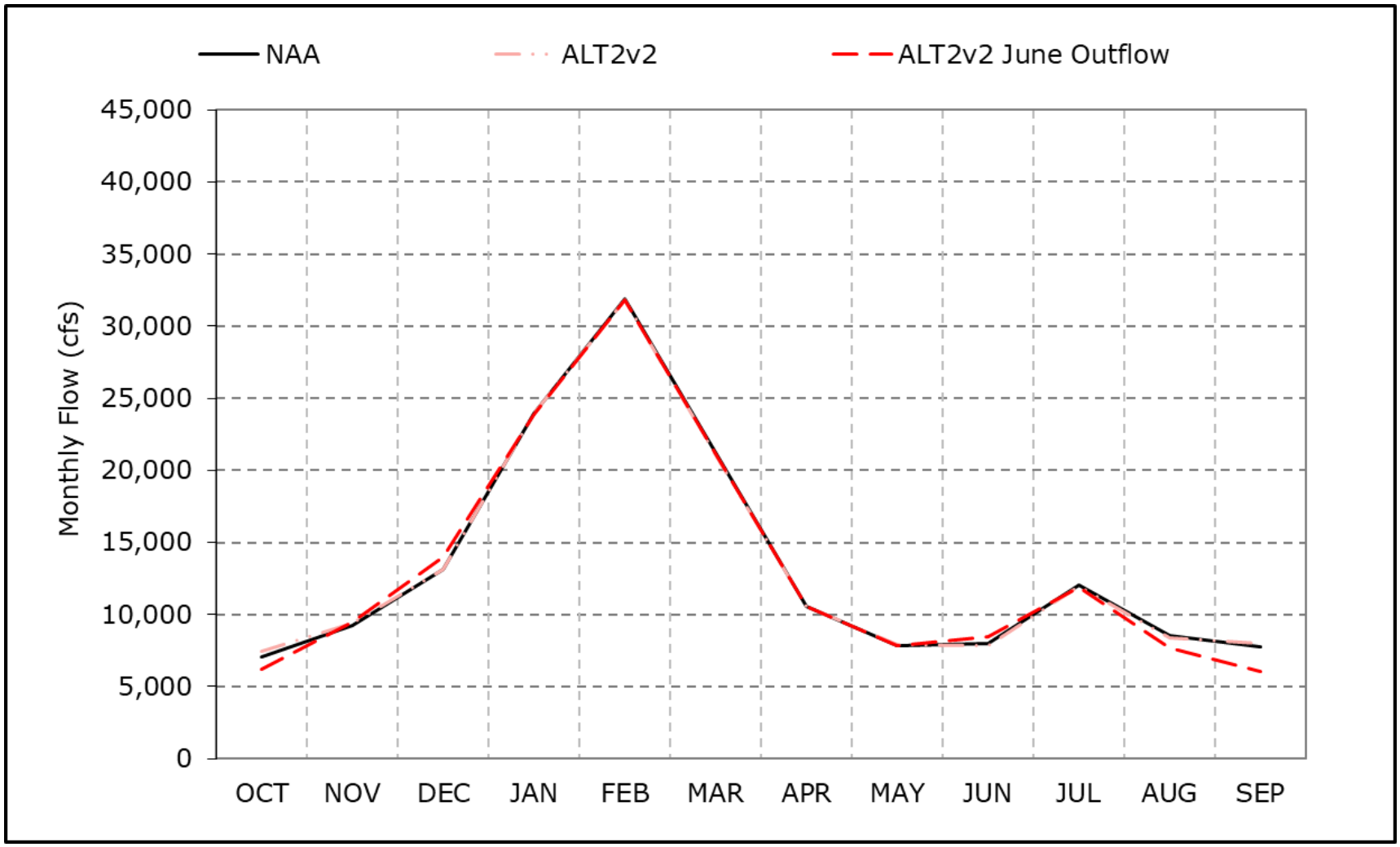
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-1. Sacramento River Flow at Hamilton City, Long-Term Average Flow



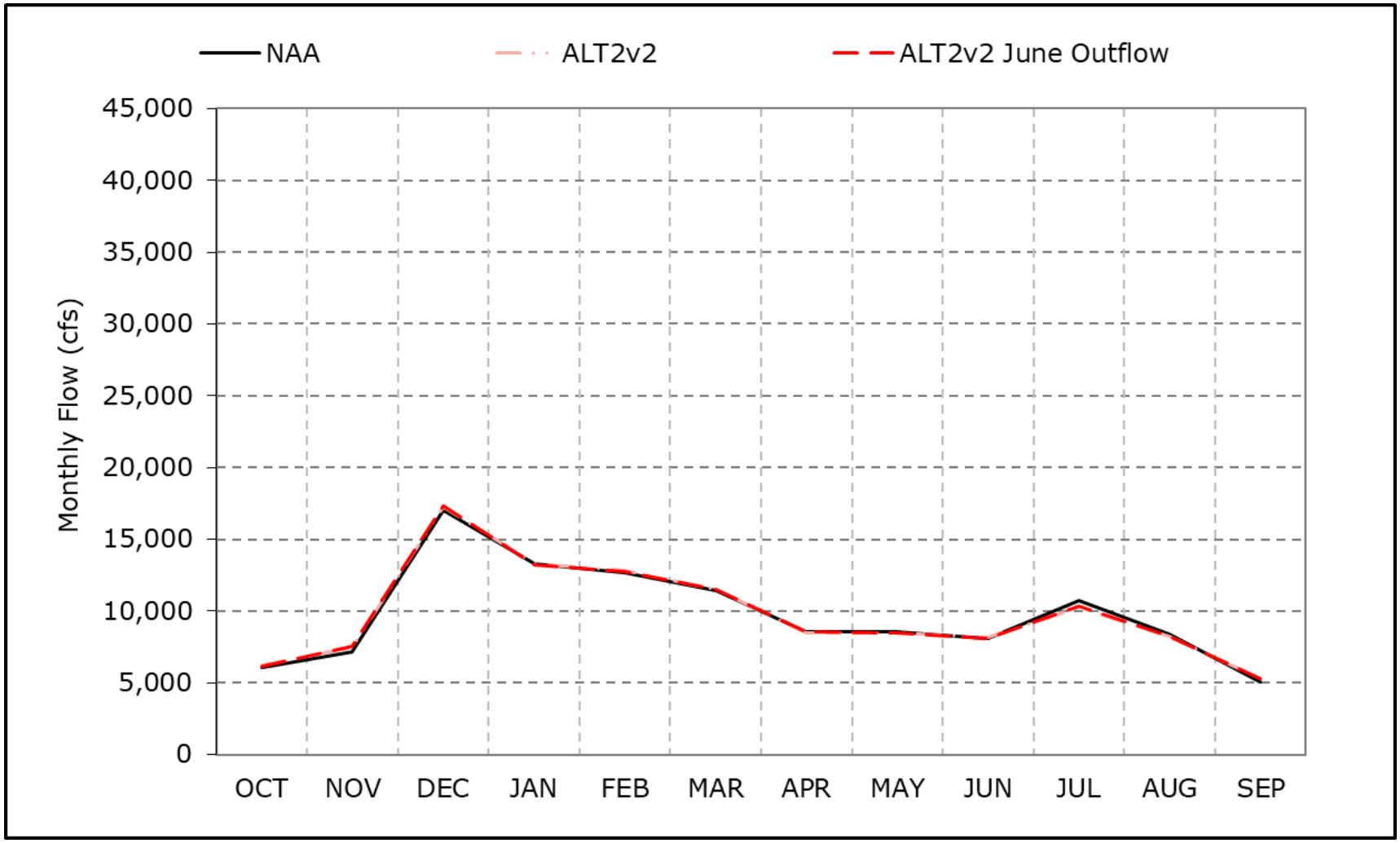
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-2. Sacramento River Flow at Hamilton City, Wet Year Average Flow



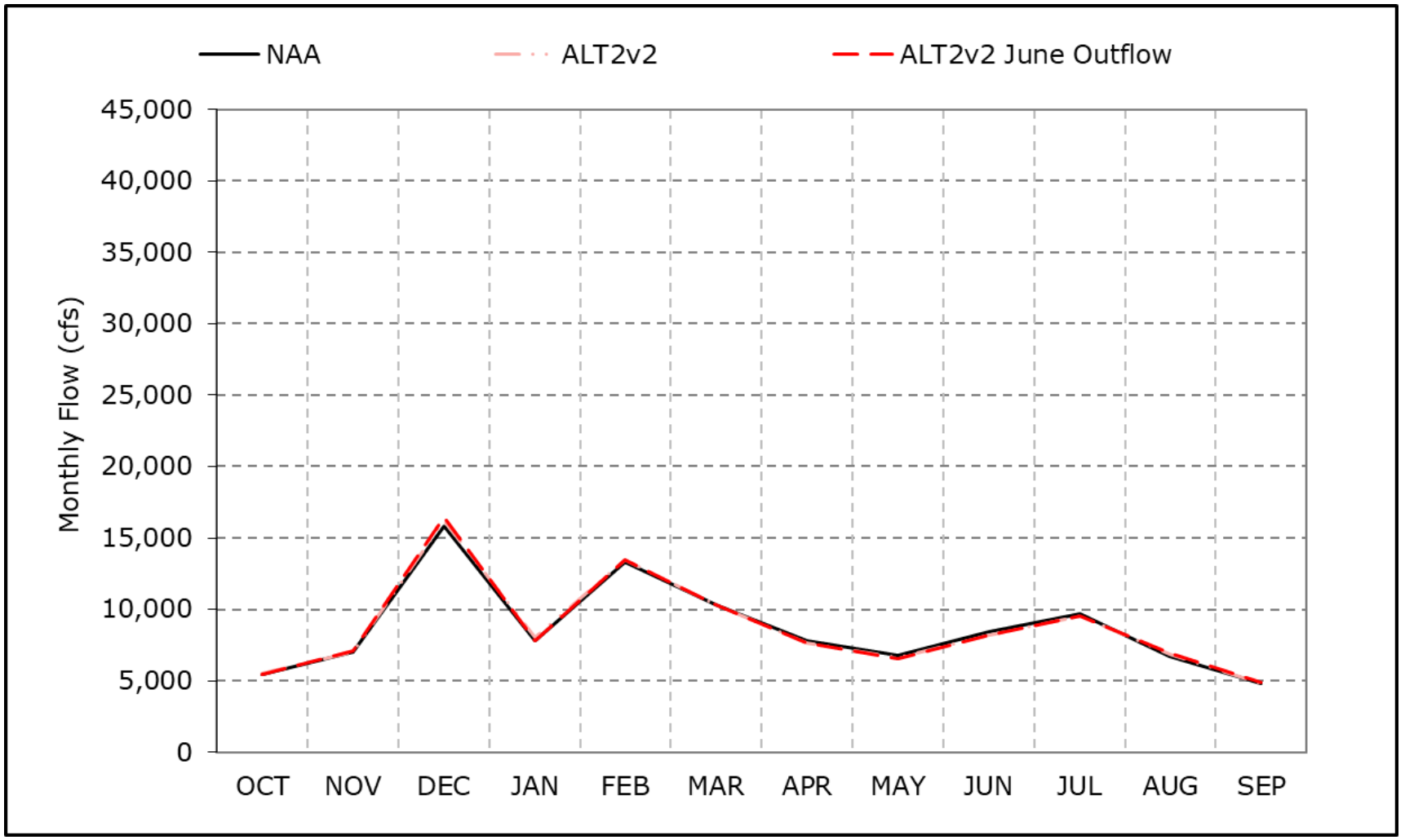
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-3. Sacramento River Flow at Hamilton City, Above Normal Year Average Flow



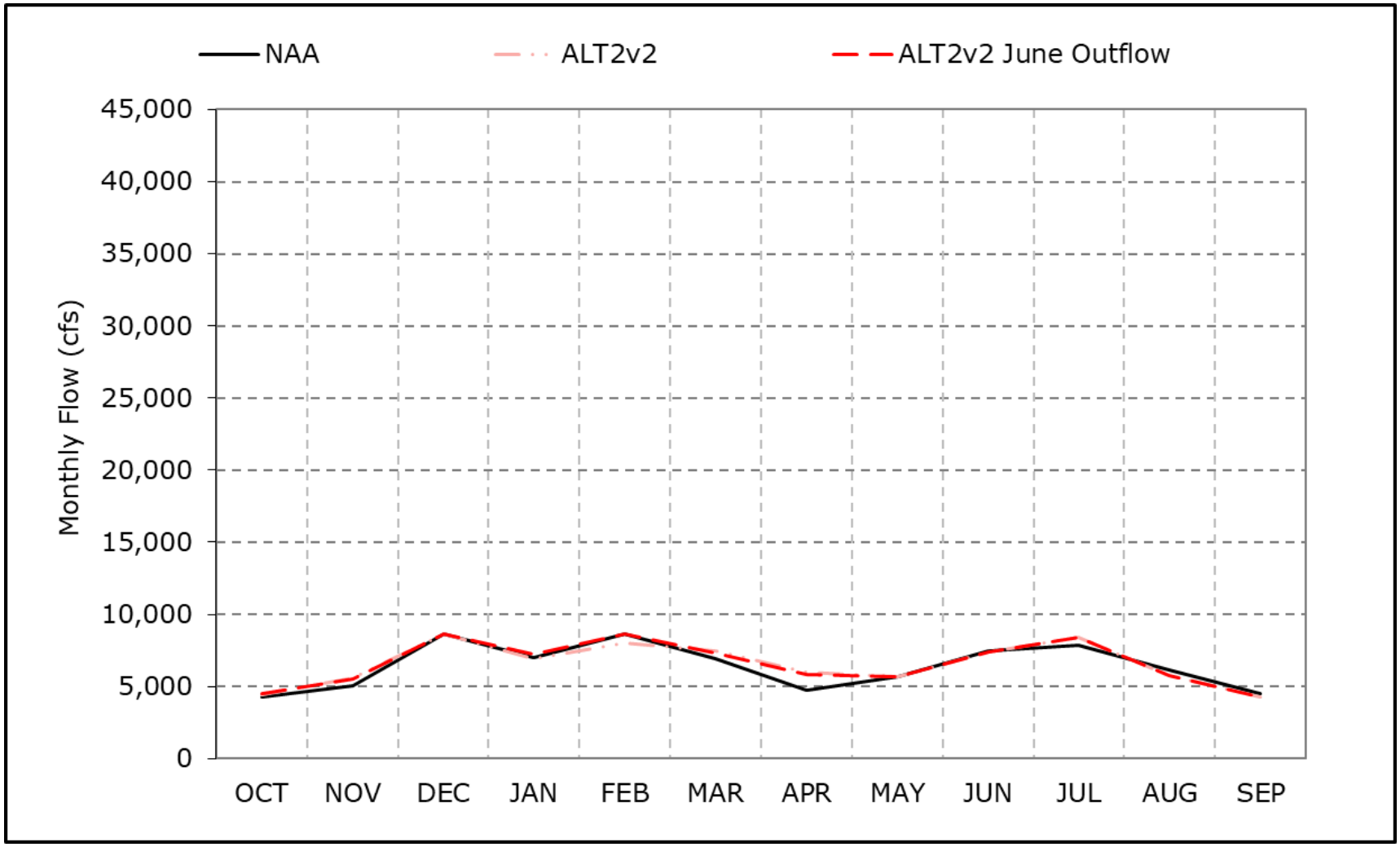
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-4. Sacramento River Flow at Hamilton City, Below Normal Year Average Flow



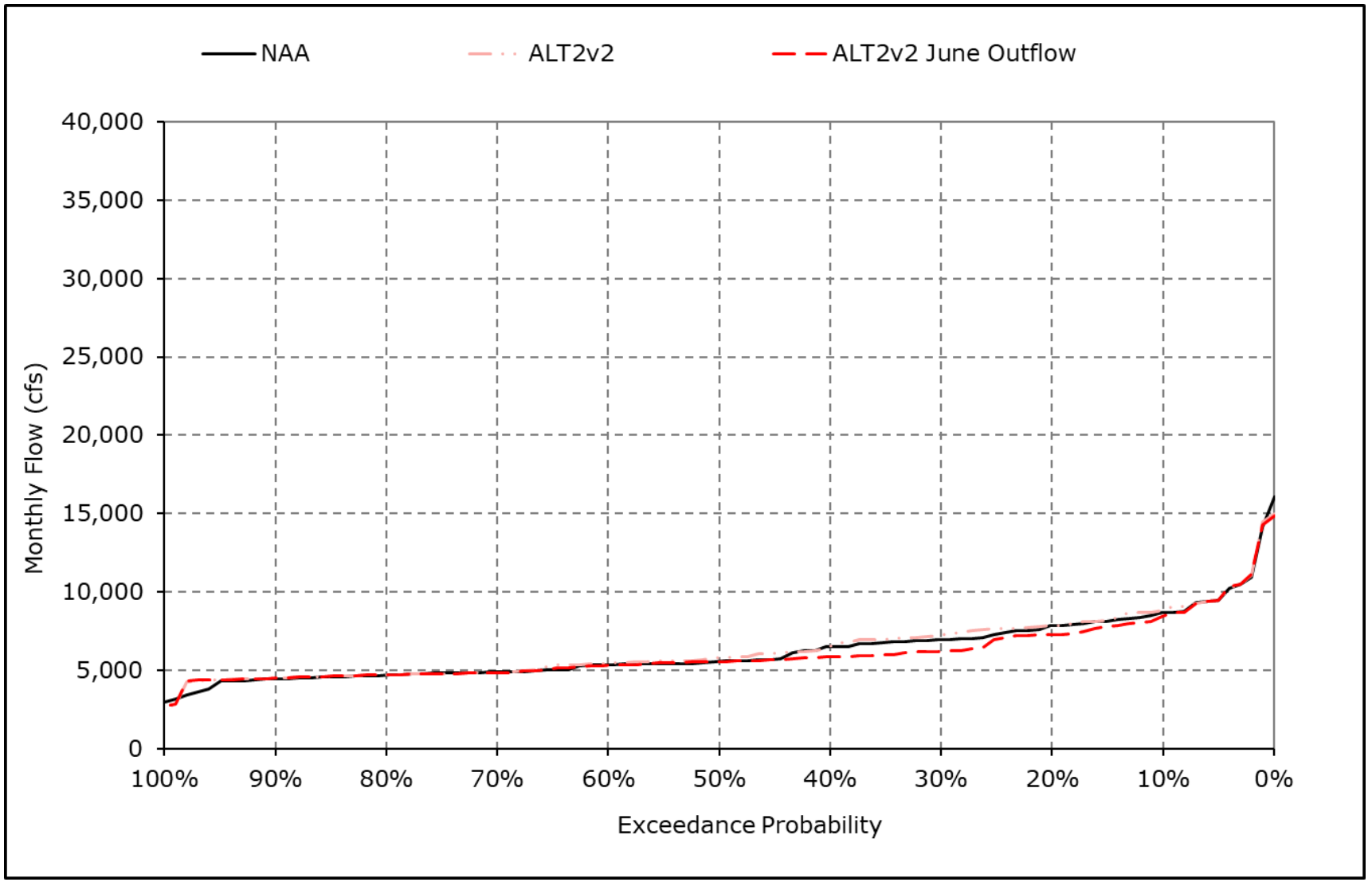
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-5. Sacramento River Flow at Hamilton City, Dry Year Average Flow



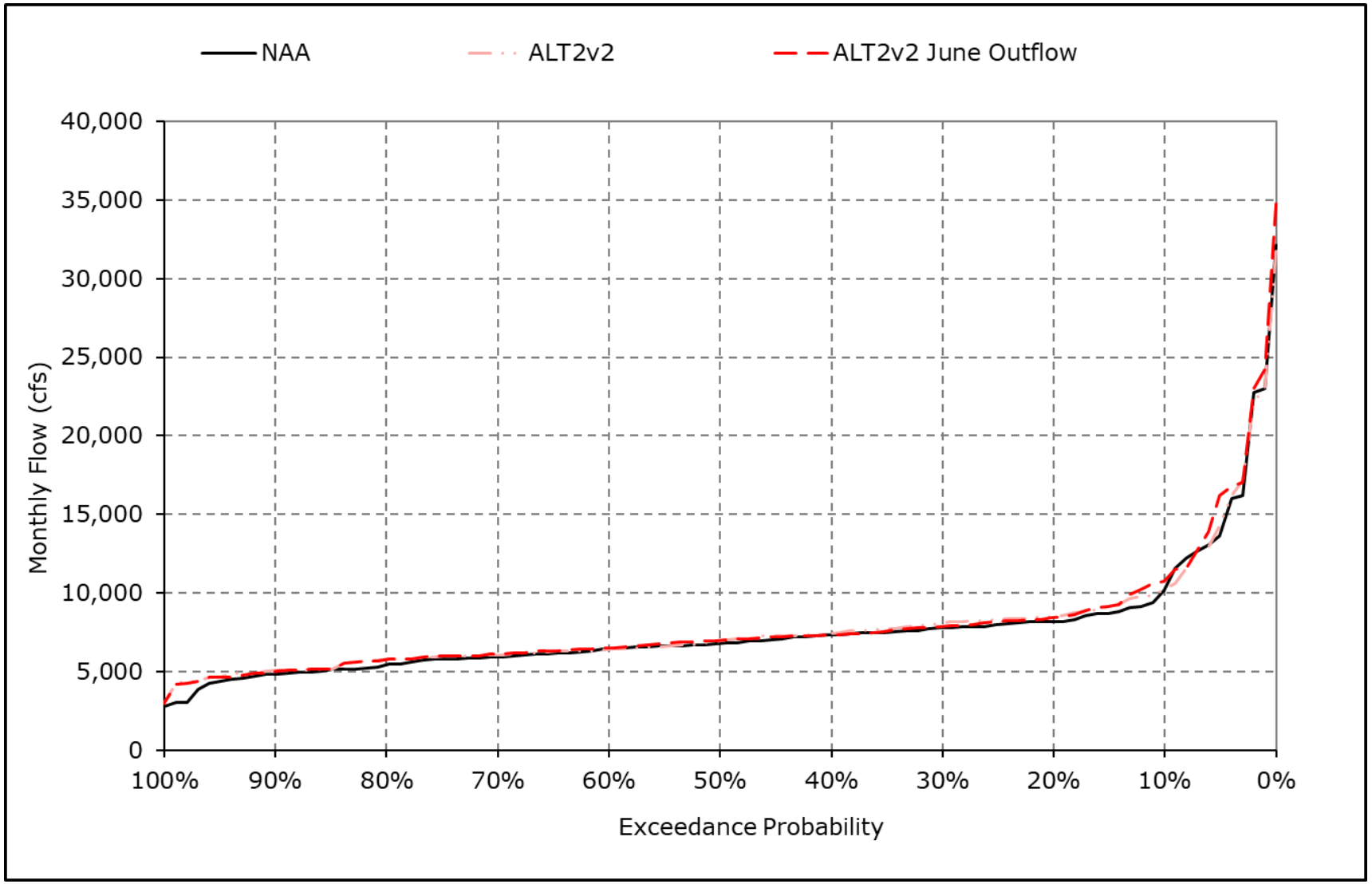
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-6-6. Sacramento River Flow at Hamilton City, Critical Year Average Flow



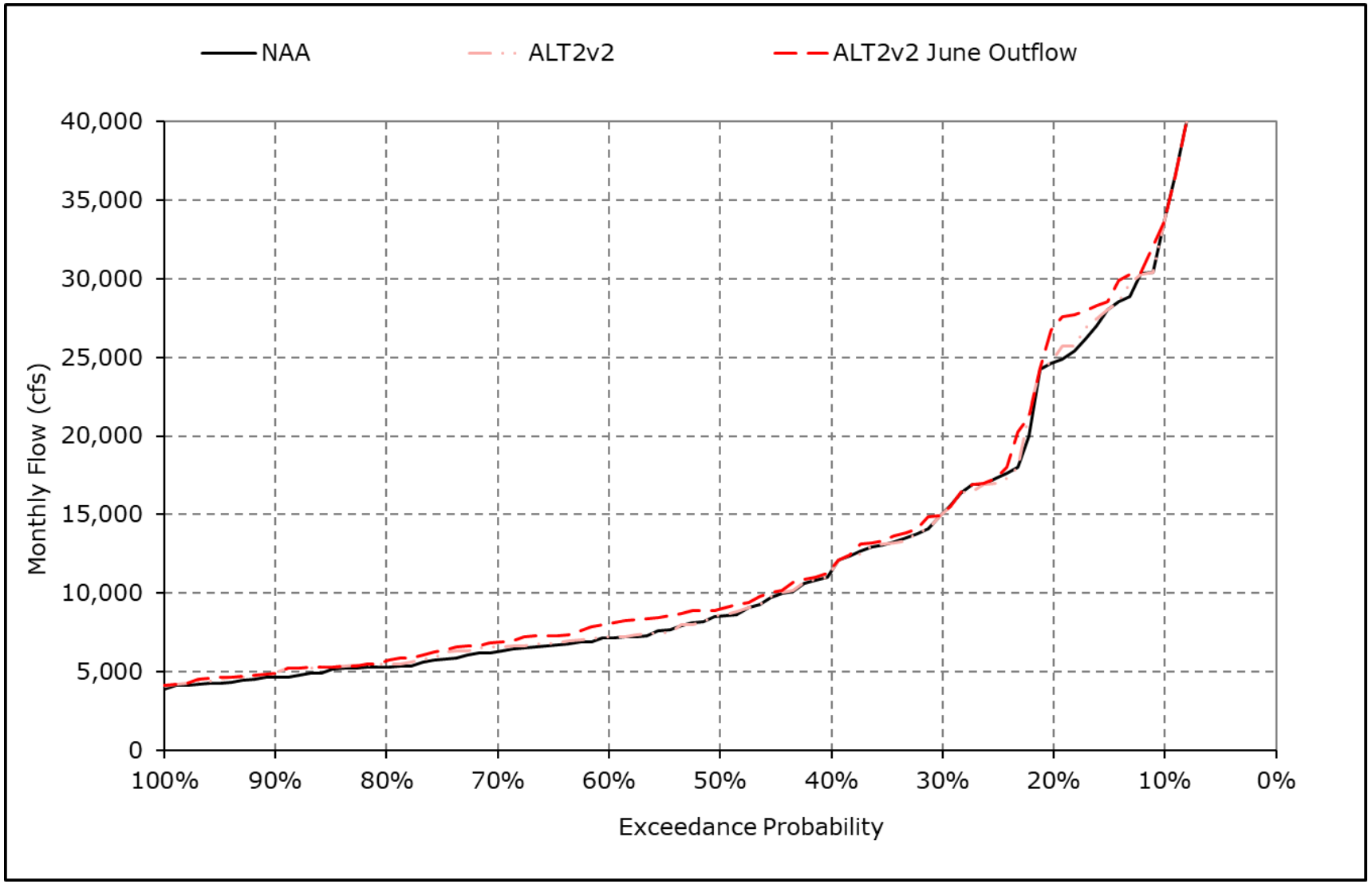
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-7. Sacramento River Flow at Hamilton City, October



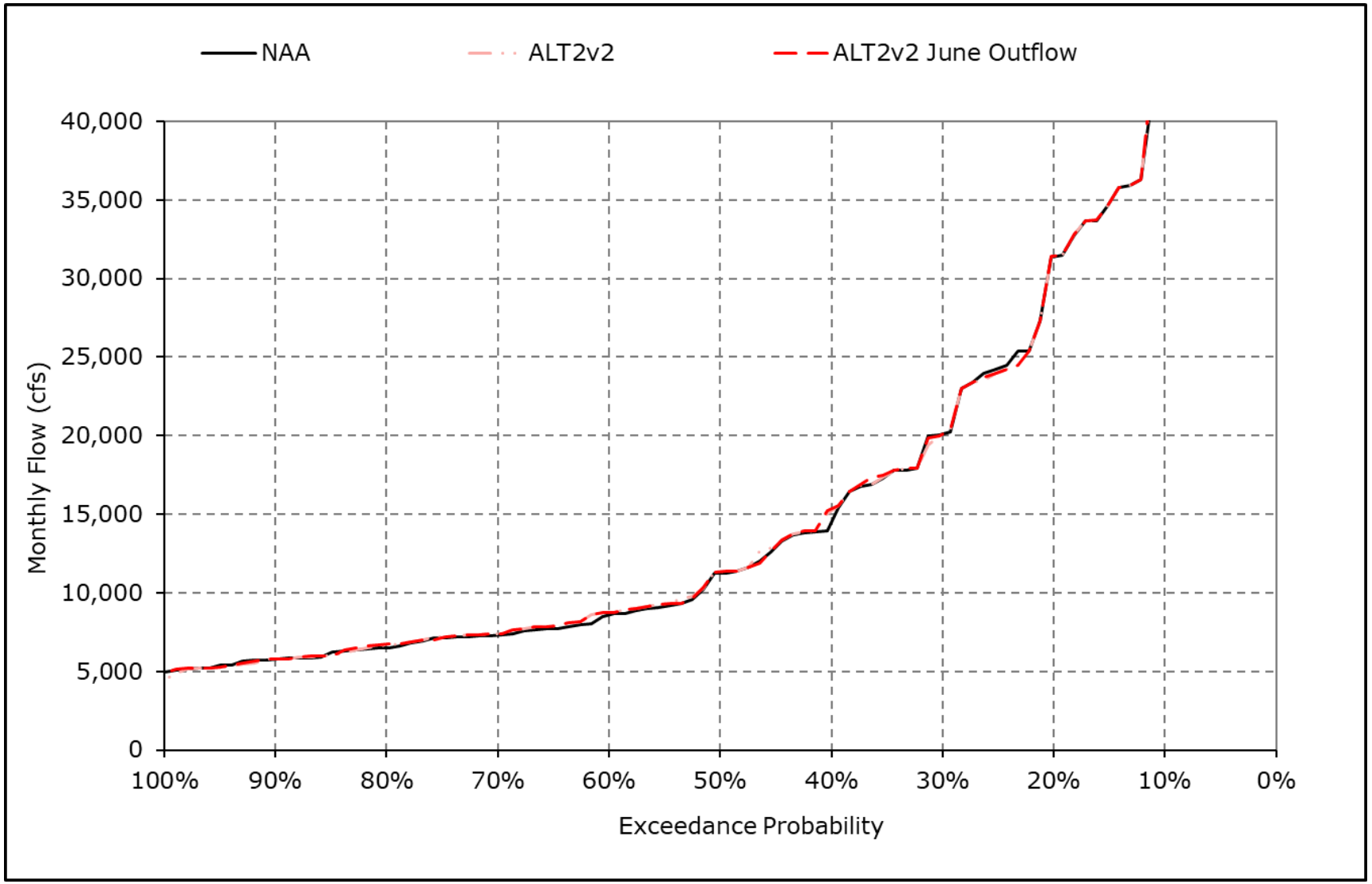
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-8. Sacramento River Flow at Hamilton City, November



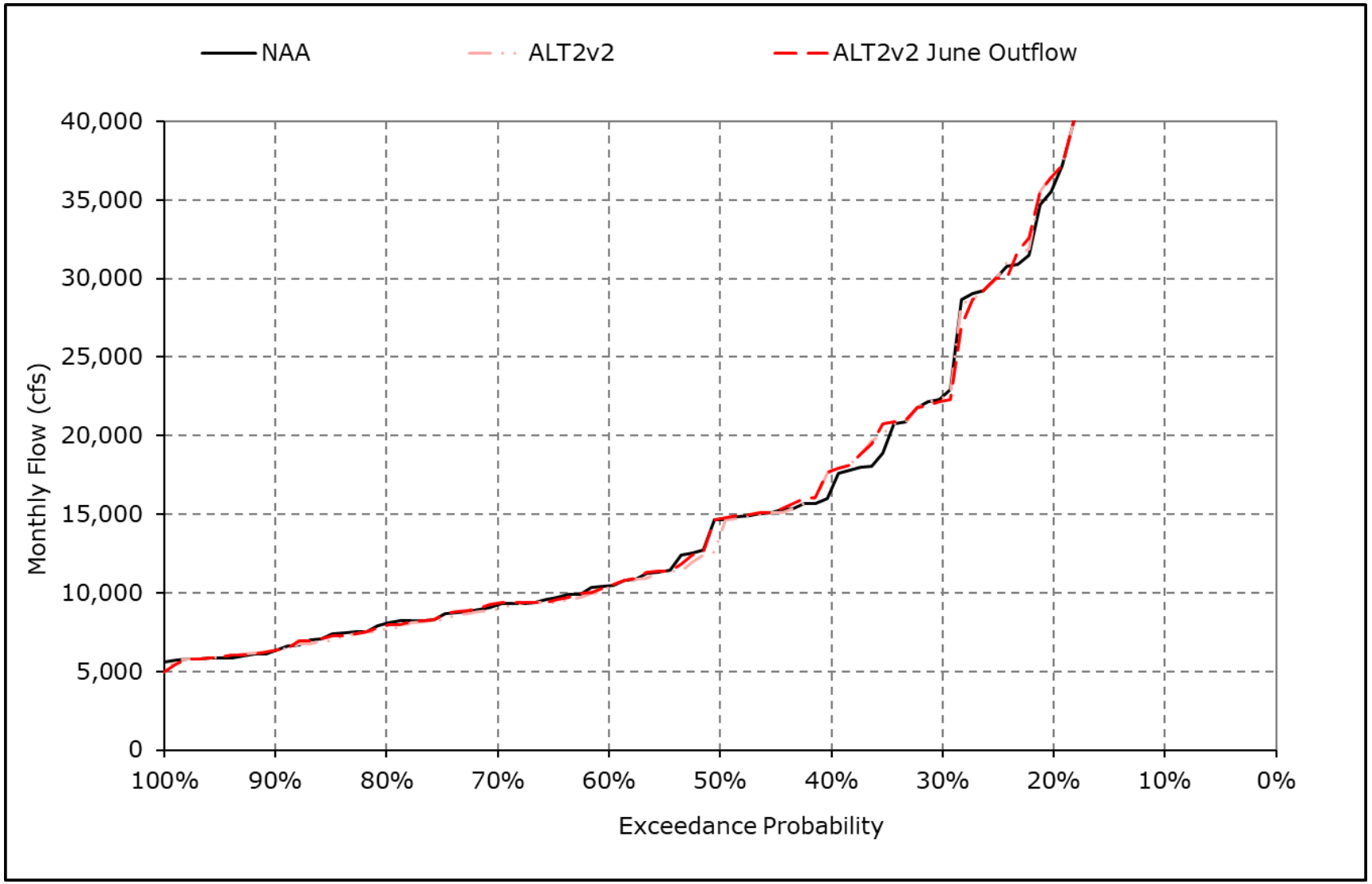
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-9. Sacramento River Flow at Hamilton City, December



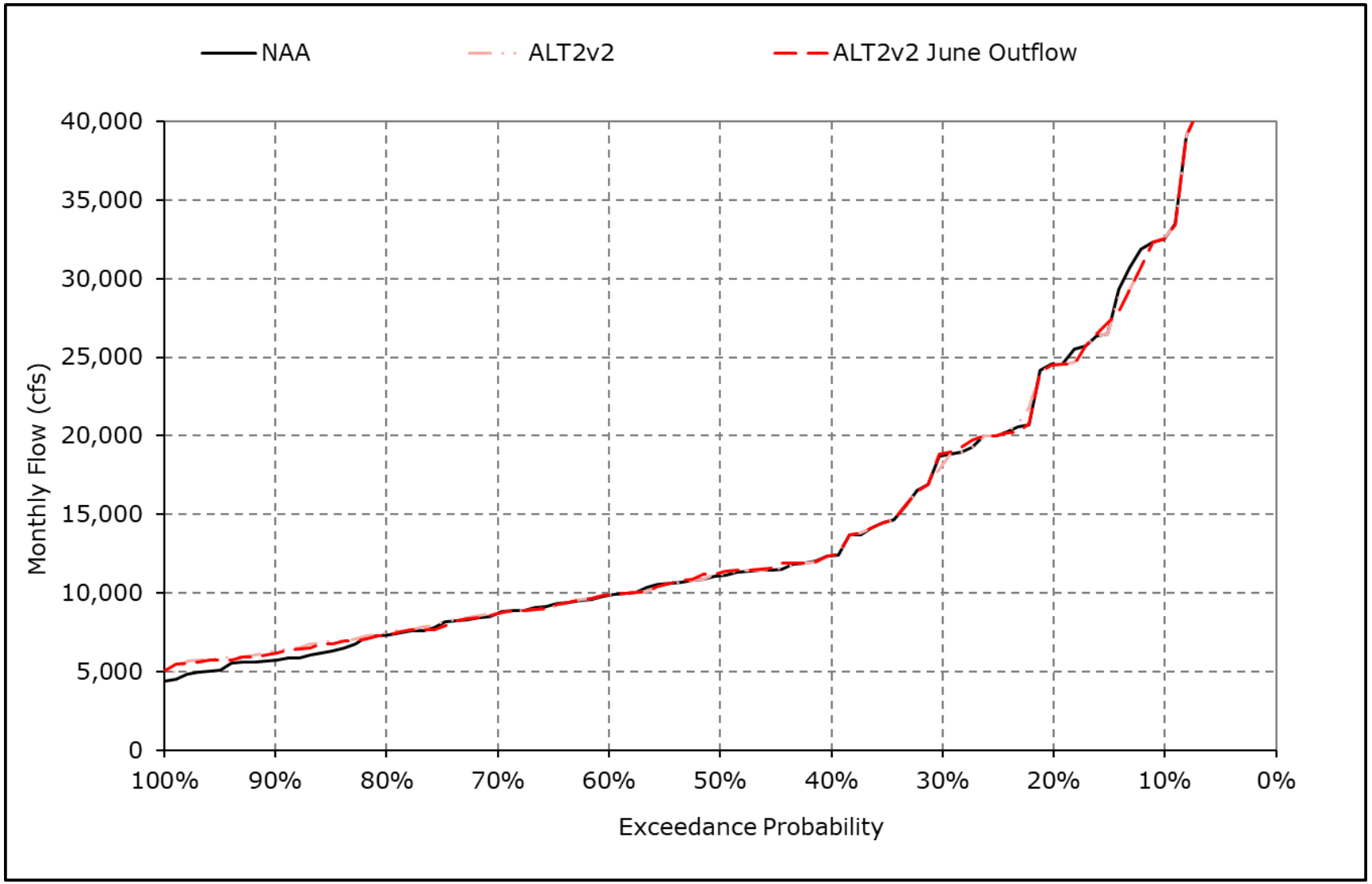
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-10. Sacramento River Flow at Hamilton City, January



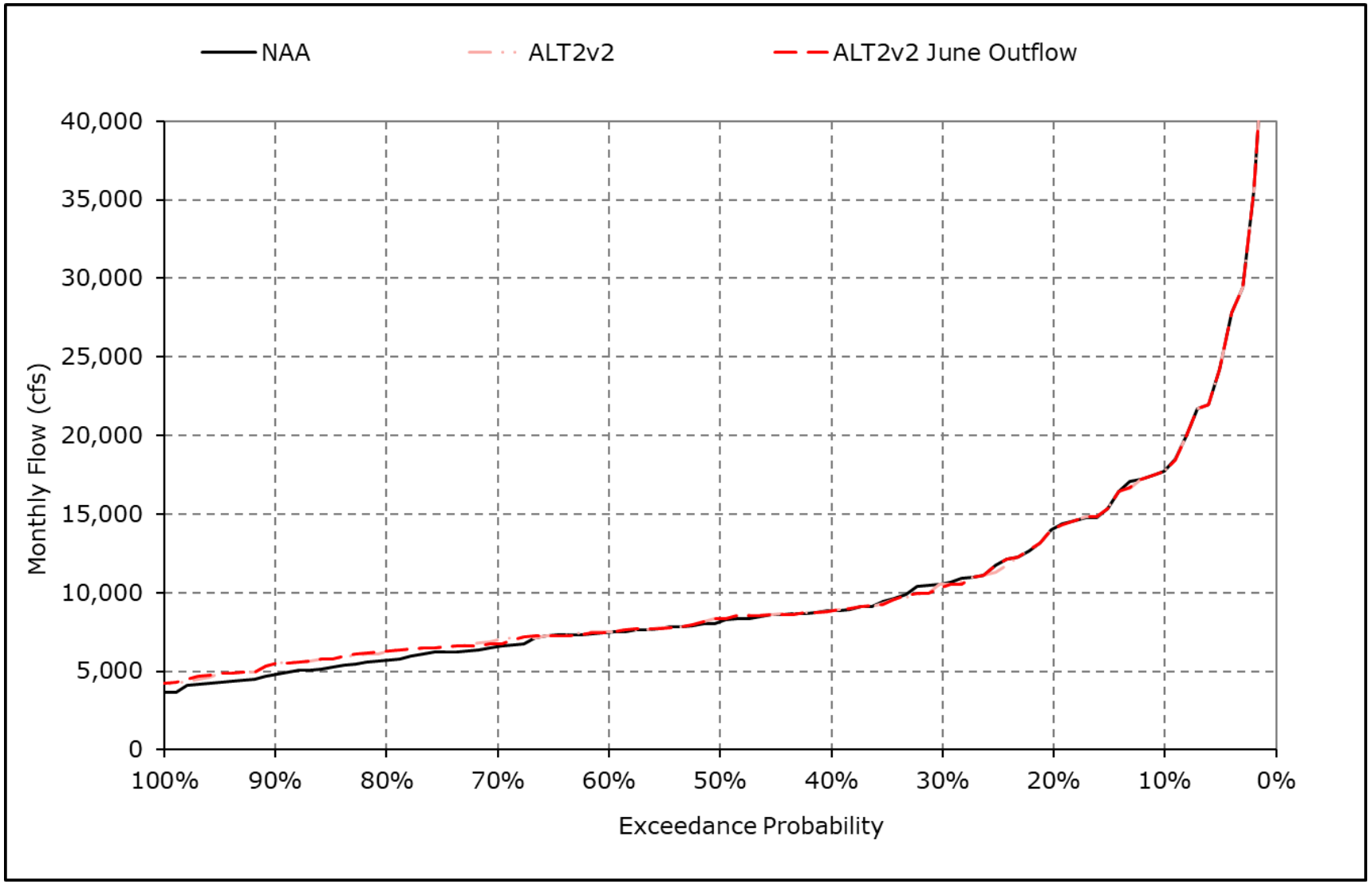
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-11. Sacramento River Flow at Hamilton City, February



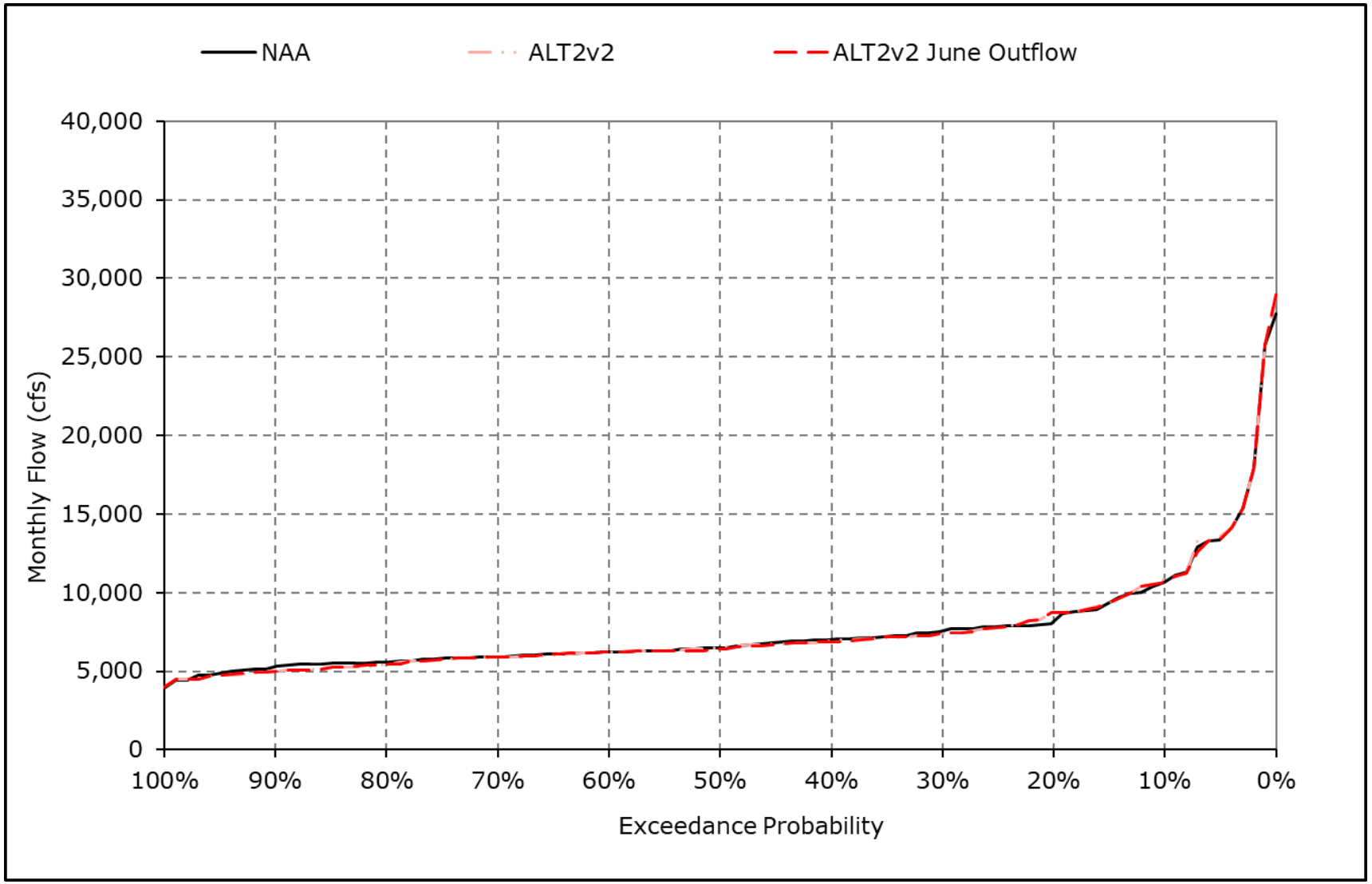
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-12. Sacramento River Flow at Hamilton City, March



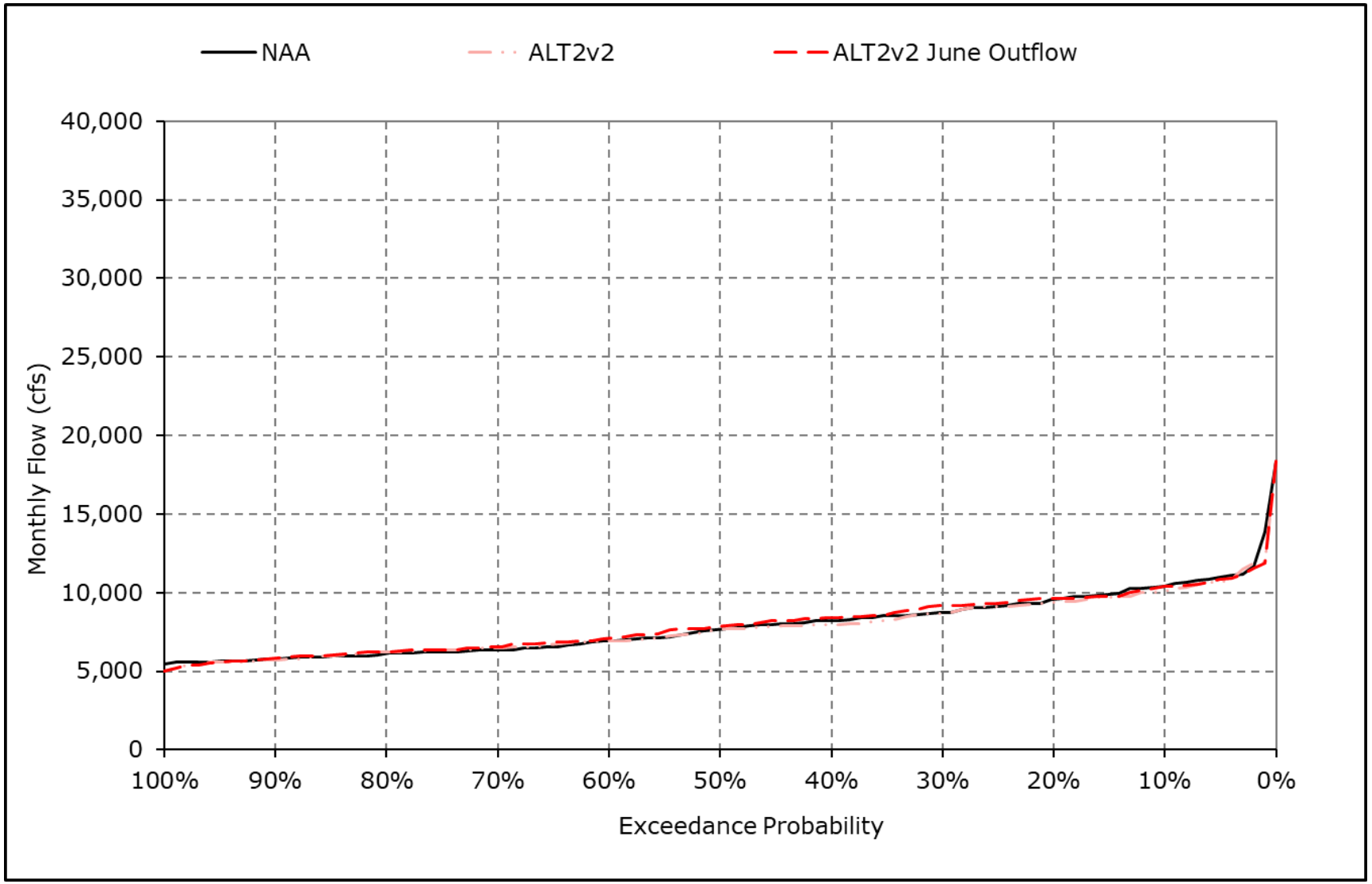
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-13. Sacramento River Flow at Hamilton City, April



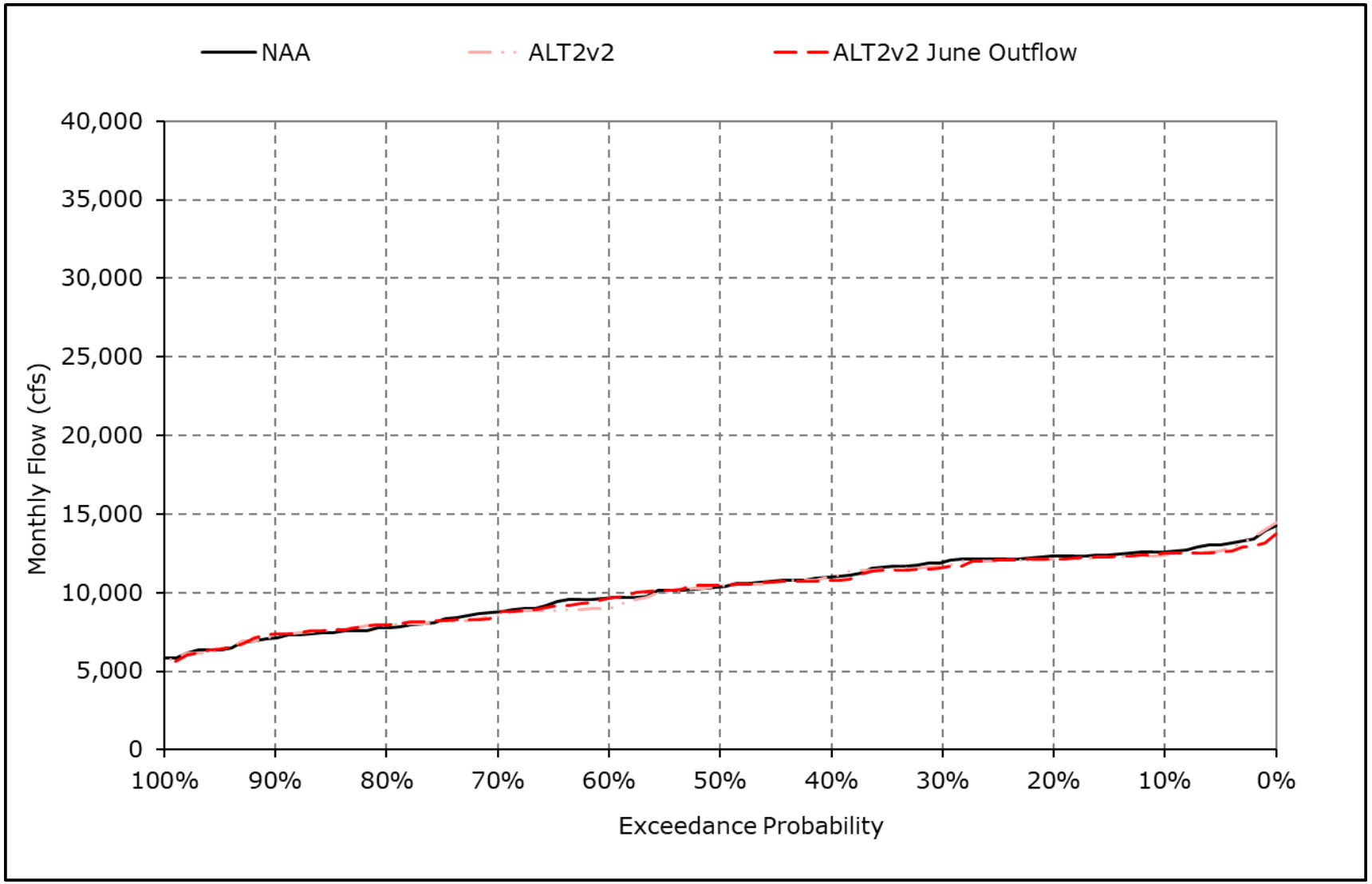
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-14. Sacramento River Flow at Hamilton City, May



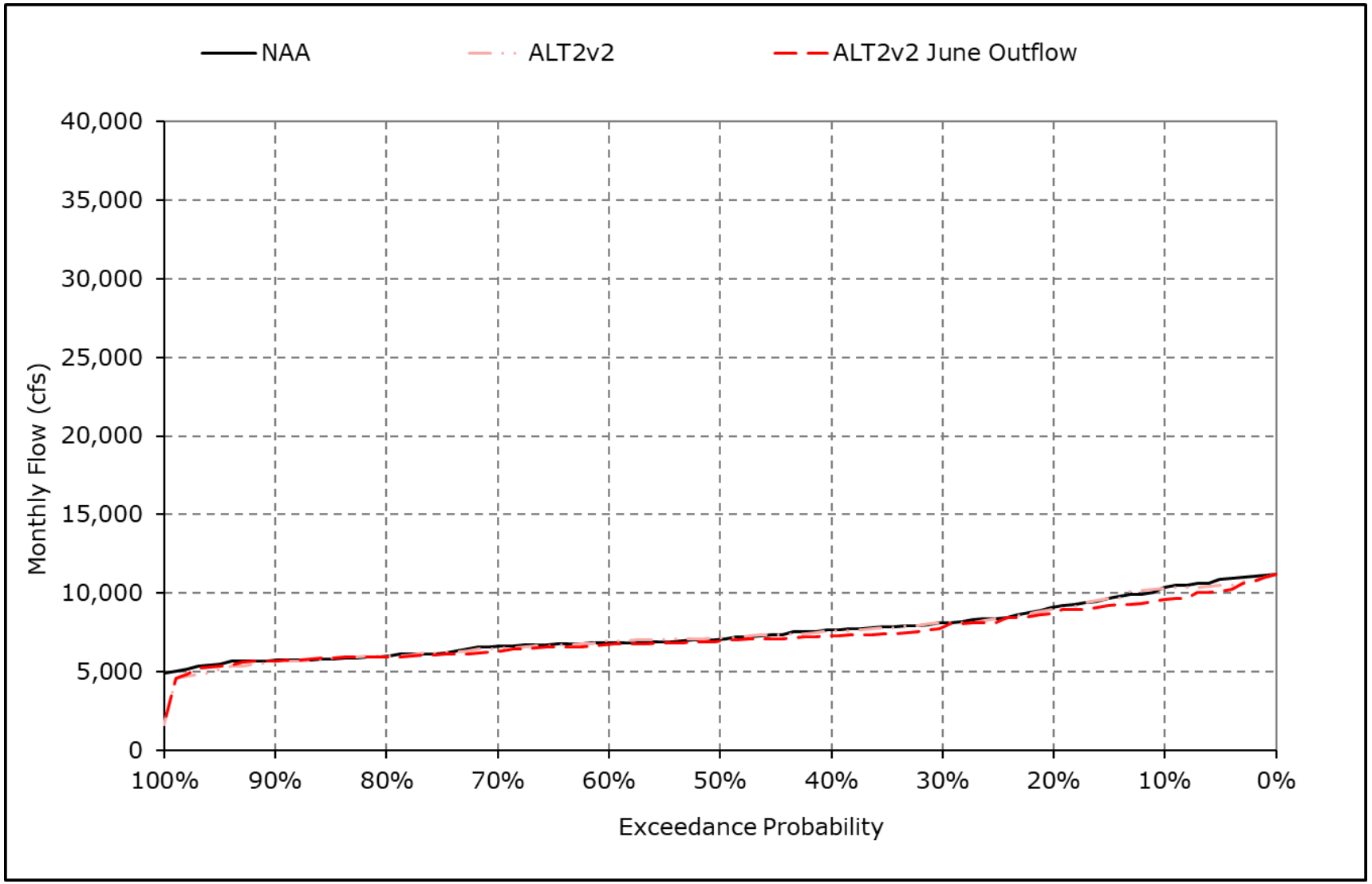
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-6-15. Sacramento River Flow at Hamilton City, June



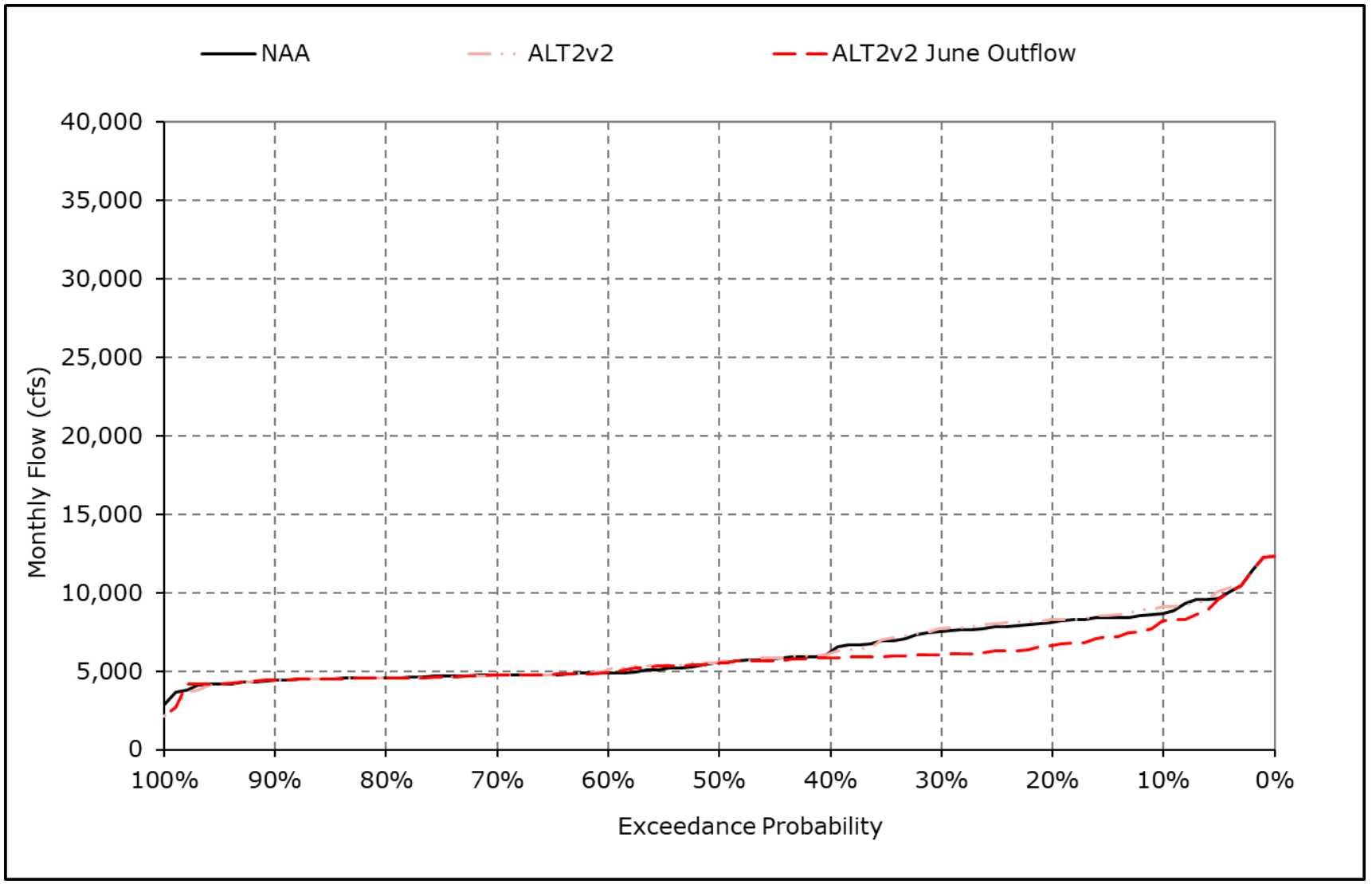
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-7-1c. Sacramento River at Wilkins Slough Flow, ALT2v2 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.2.2-7-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

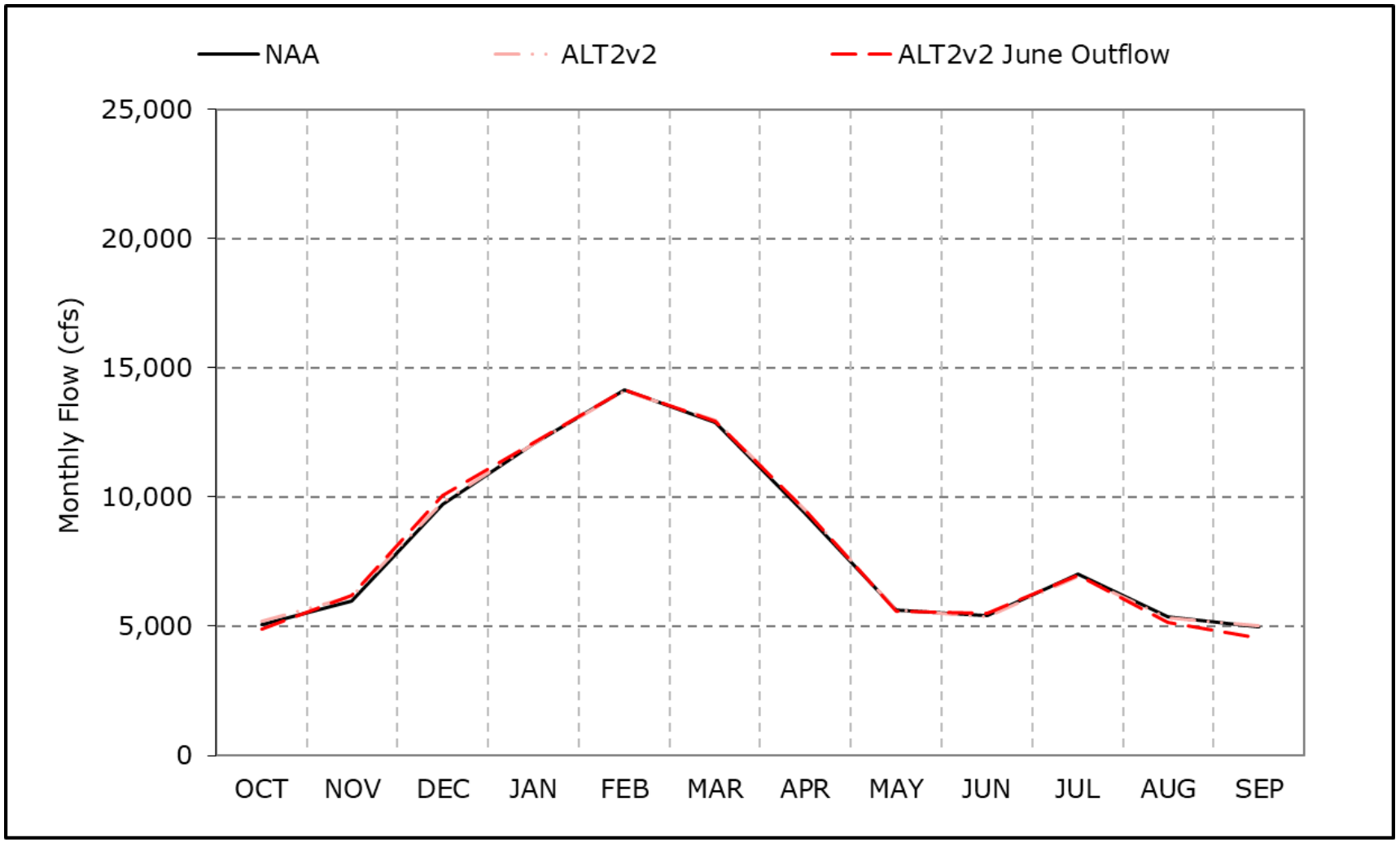
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,237	9,894	19,092	21,780	22,377	20,578	17,771	8,617	7,415	9,393	7,066	6,493
20% Exceedance	6,118	6,808	16,543	19,157	20,424	17,649	14,947	6,807	6,771	8,957	6,666	5,465
30% Exceedance	4,982	6,288	11,839	14,374	18,653	16,274	10,365	5,369	6,384	8,589	5,774	4,507
40% Exceedance	4,606	6,011	10,152	12,452	15,165	13,452	8,556	4,711	5,876	7,878	5,043	4,500
50% Exceedance	4,500	5,515	8,169	10,305	12,855	12,119	7,560	4,500	5,294	7,131	4,679	4,114
60% Exceedance	4,000	4,998	7,023	8,150	10,847	10,554	6,764	4,371	4,666	6,473	4,500	4,000
70% Exceedance	3,529	4,500	6,036	7,101	9,953	8,949	5,927	4,000	4,500	5,416	4,500	3,400
80% Exceedance	3,297	4,003	4,817	5,983	8,109	7,706	5,629	3,400	4,211	4,932	4,119	3,250
90% Exceedance	3,250	3,364	4,235	5,098	6,326	5,887	4,661	3,250	3,325	4,500	3,325	3,250
Full Simulation Period Average[a]	4,902	6,208	10,077	12,096	14,157	12,955	9,511	5,602	5,517	6,967	5,130	4,554
Wet Water Years (28%)	6,370	7,739	11,048	18,786	19,924	18,004	14,459	7,439	5,863	7,349	5,518	6,431
Above Normal Water Years (14%)	5,130	7,103	10,136	15,248	18,009	16,290	11,106	6,023	5,952	8,646	5,680	4,834
Below Normal Water Years (18%)	4,918	6,065	11,322	10,853	11,505	11,271	8,096	5,730	5,262	7,060	5,846	3,991
Dry Water Years (24%)	4,135	5,439	9,978	7,109	11,186	10,092	6,906	4,429	5,399	6,346	4,660	3,650
Critical Water Years (16%)	3,138	3,856	6,867	6,508	8,136	7,389	4,957	3,638	4,993	5,655	3,872	3,012

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

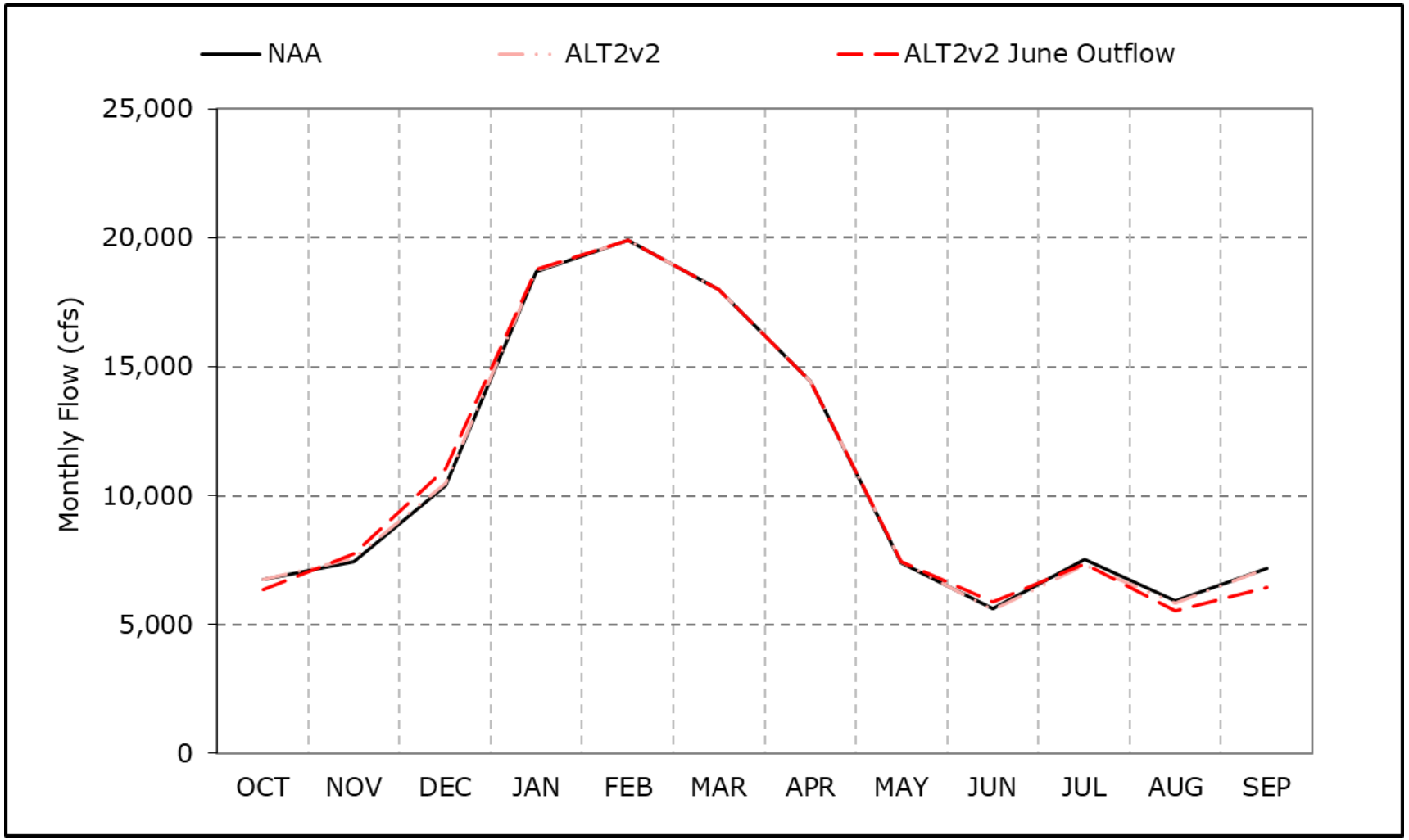
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-29	1,333	-1	15	3	35	-3	-13	-76	-146	-906	-1,313
20% Exceedance	-422	207	400	8	-38	-132	-82	174	-127	-80	-355	-1,245
30% Exceedance	-745	9	150	42	11	1	-293	-100	498	-182	-383	-1,785
40% Exceedance	-809	230	25	18	718	45	-72	-56	174	-89	-400	-656
50% Exceedance	-8	53	239	10	36	76	226	0	219	-58	-154	114
60% Exceedance	0	16	870	82	-79	-28	23	-89	166	-126	0	600
70% Exceedance	129	6	679	94	-15	212	-223	0	0	10	14	0
80% Exceedance	-28	279	240	146	147	-11	591	30	224	268	87	0
90% Exceedance	0	114	771	94	37	305	348	0	75	590	0	0
Full Simulation Period Average[a]	-180	231	381	46	17	79	132	-27	107	-44	-239	-435
Wet Water Years (28%)	-377	272	651	81	7	8	23	23	256	-196	-407	-773
Above Normal Water Years (14%)	-831	65	468	-36	-19	9	-25	-2	463	-150	-844	-1,747
Below Normal Water Years (18%)	45	393	226	1	42	62	-56	-139	-37	-400	-180	204
Dry Water Years (24%)	22	63	339	-29	67	24	-87	-247	-232	-155	158	58
Critical Water Years (16%)	244	392	46	223	-40	363	1,000	320	202	879	-77	-155

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



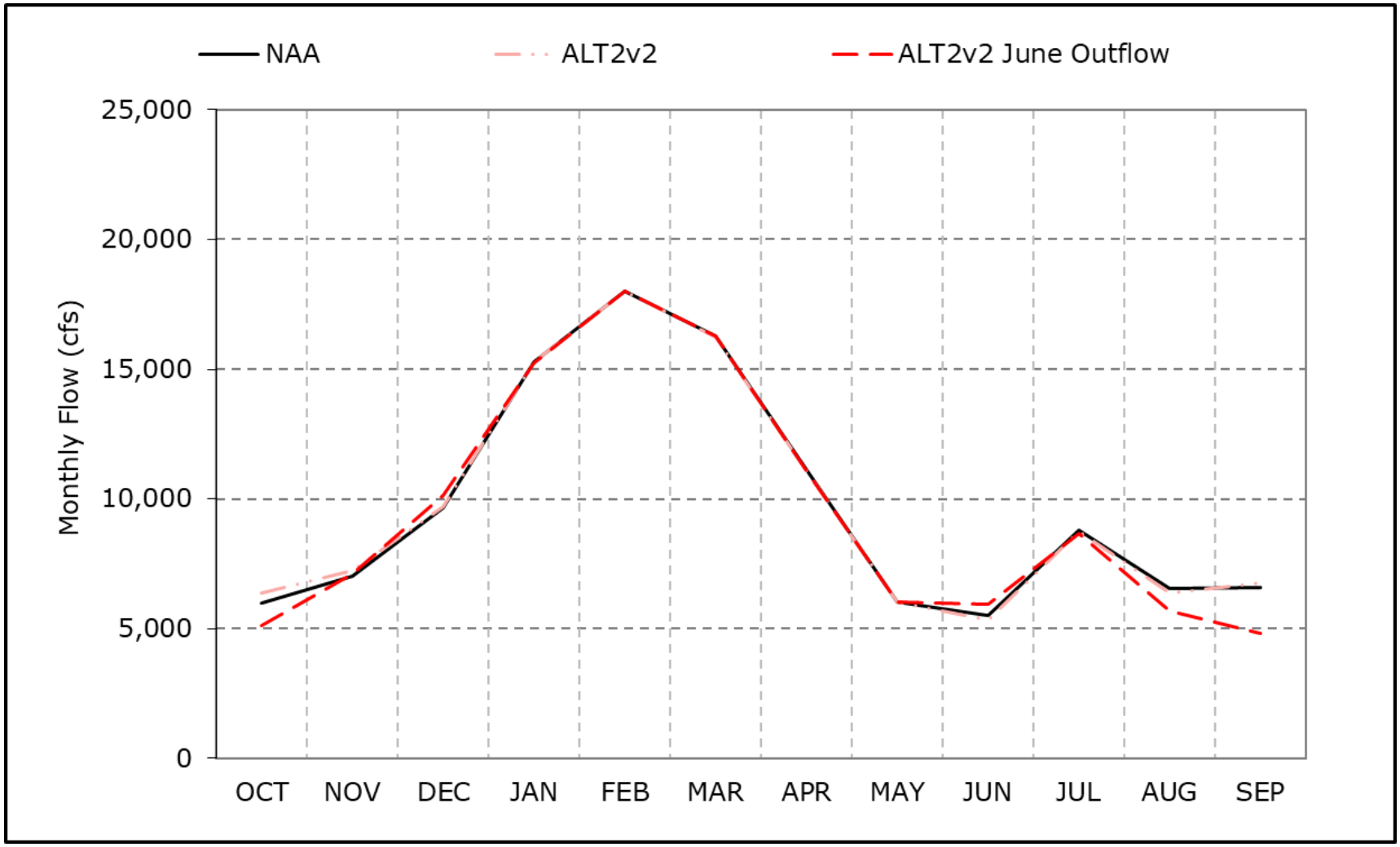
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-1. Sacramento River at Wilkins Slough Flow, Long-Term Average Flow



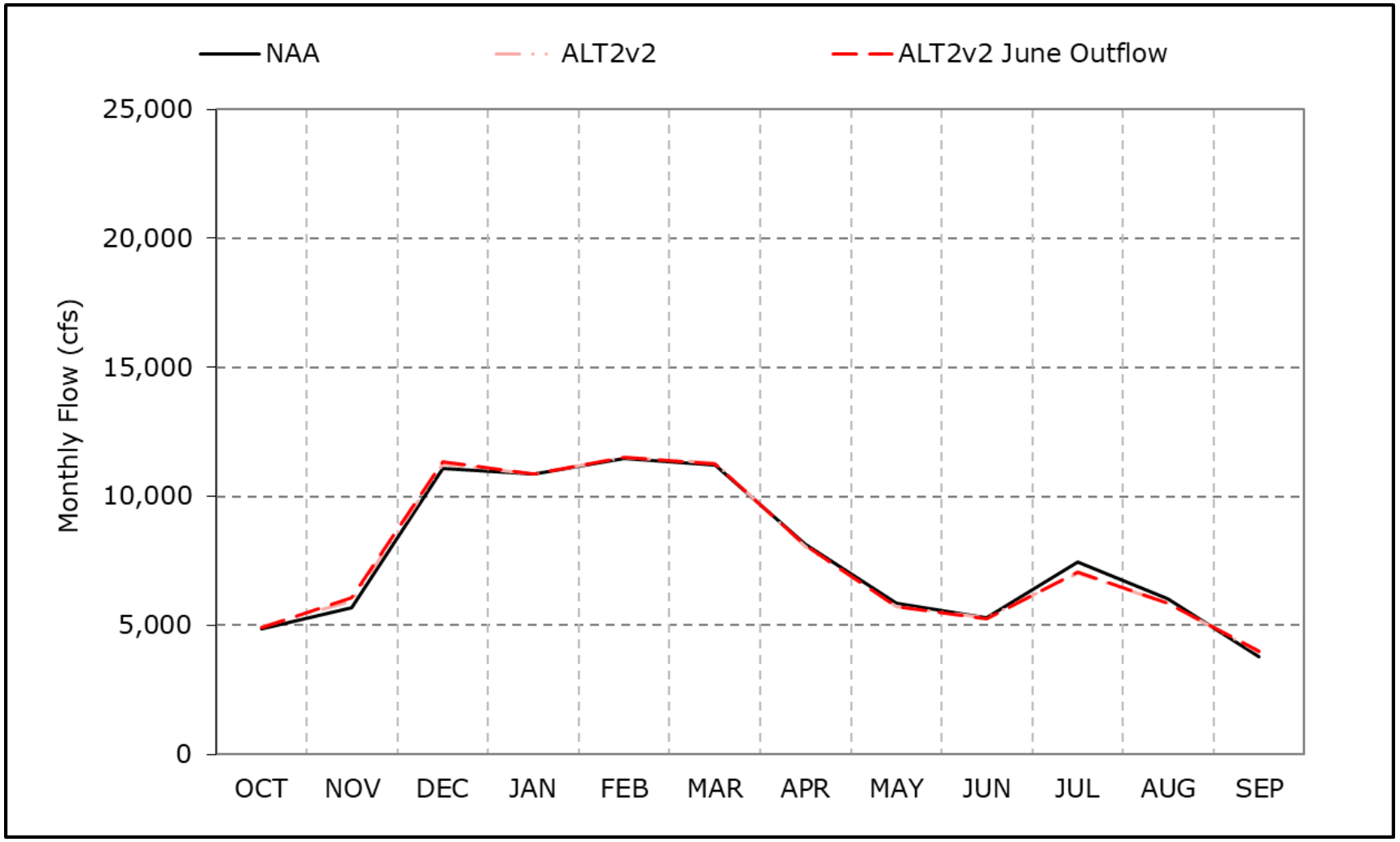
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-2. Sacramento River at Wilkins Slough Flow, Wet Year Average Flow



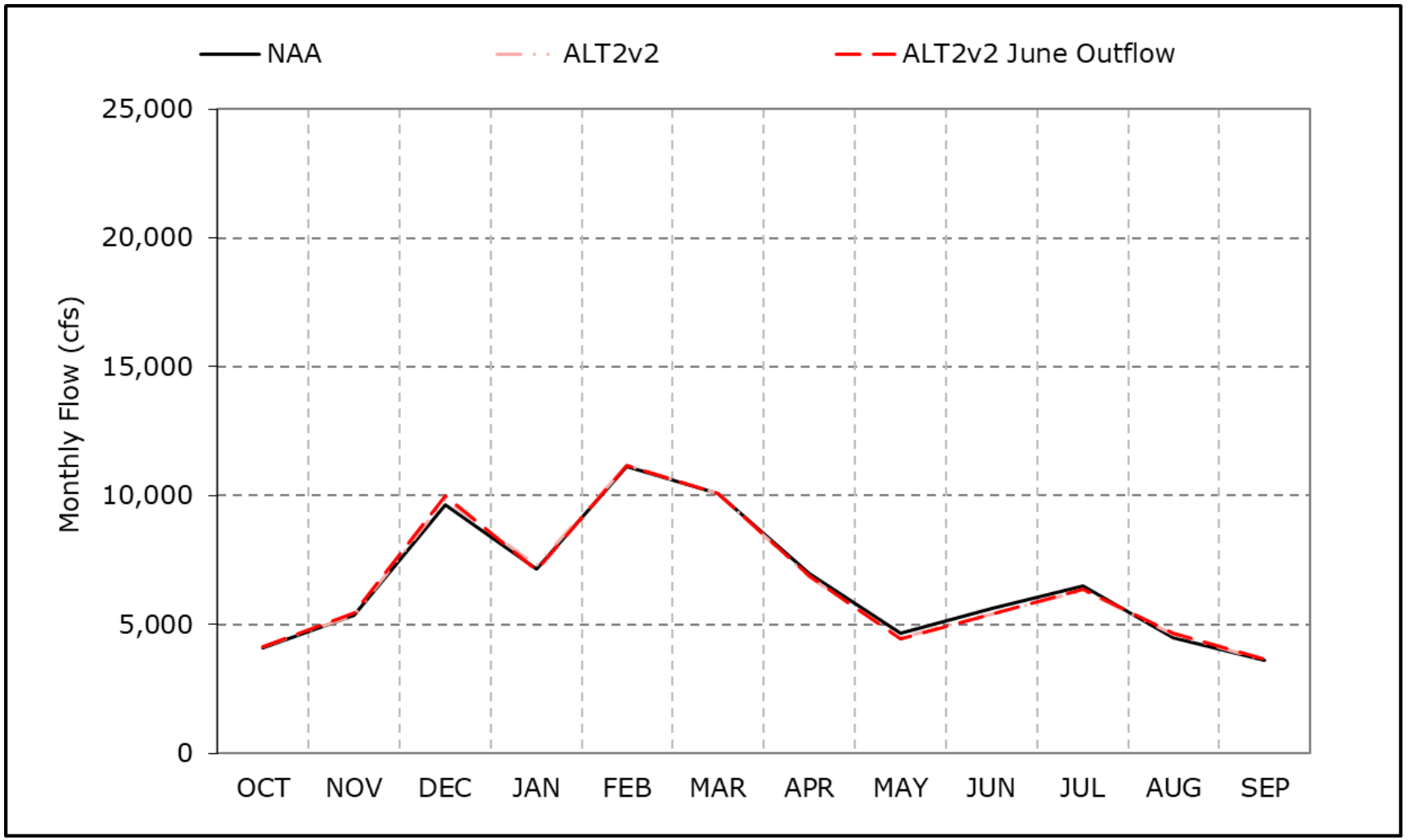
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-3. Sacramento River at Wilkins Slough Flow, Above Normal Year Average Flow



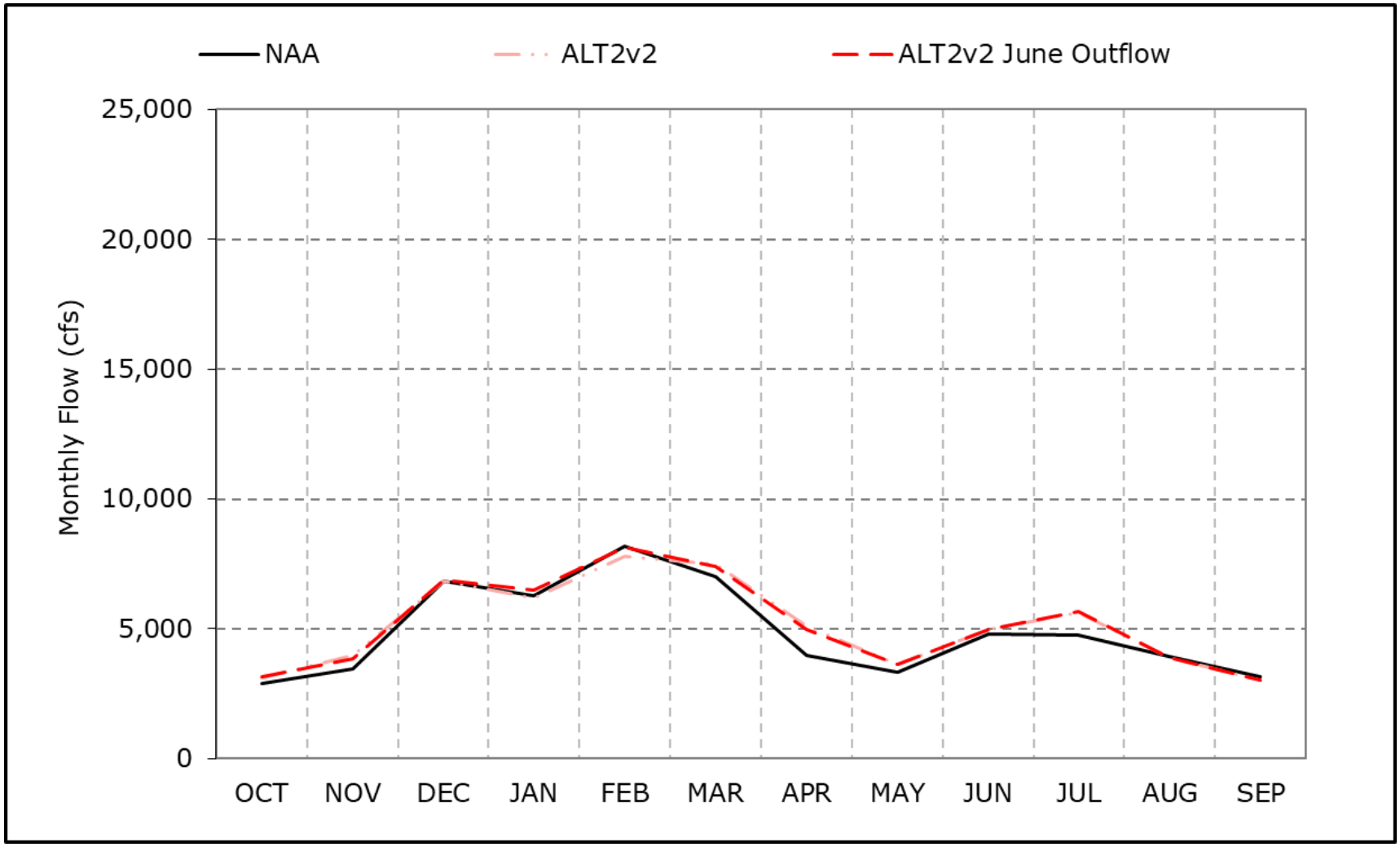
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-4. Sacramento River at Wilkins Slough Flow, Below Normal Year Average Flow



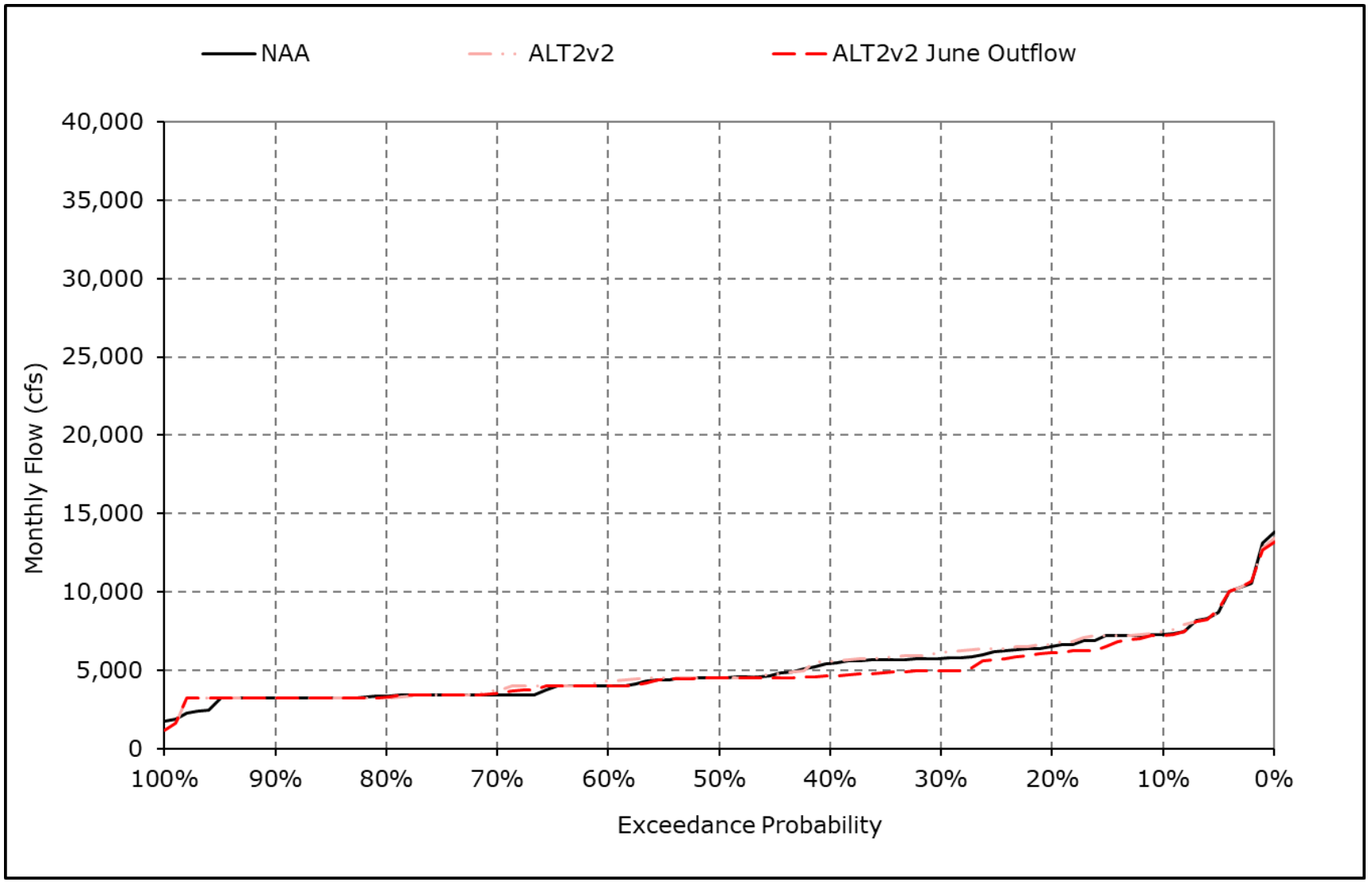
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-5. Sacramento River at Wilkins Slough Flow, Dry Year Average Flow



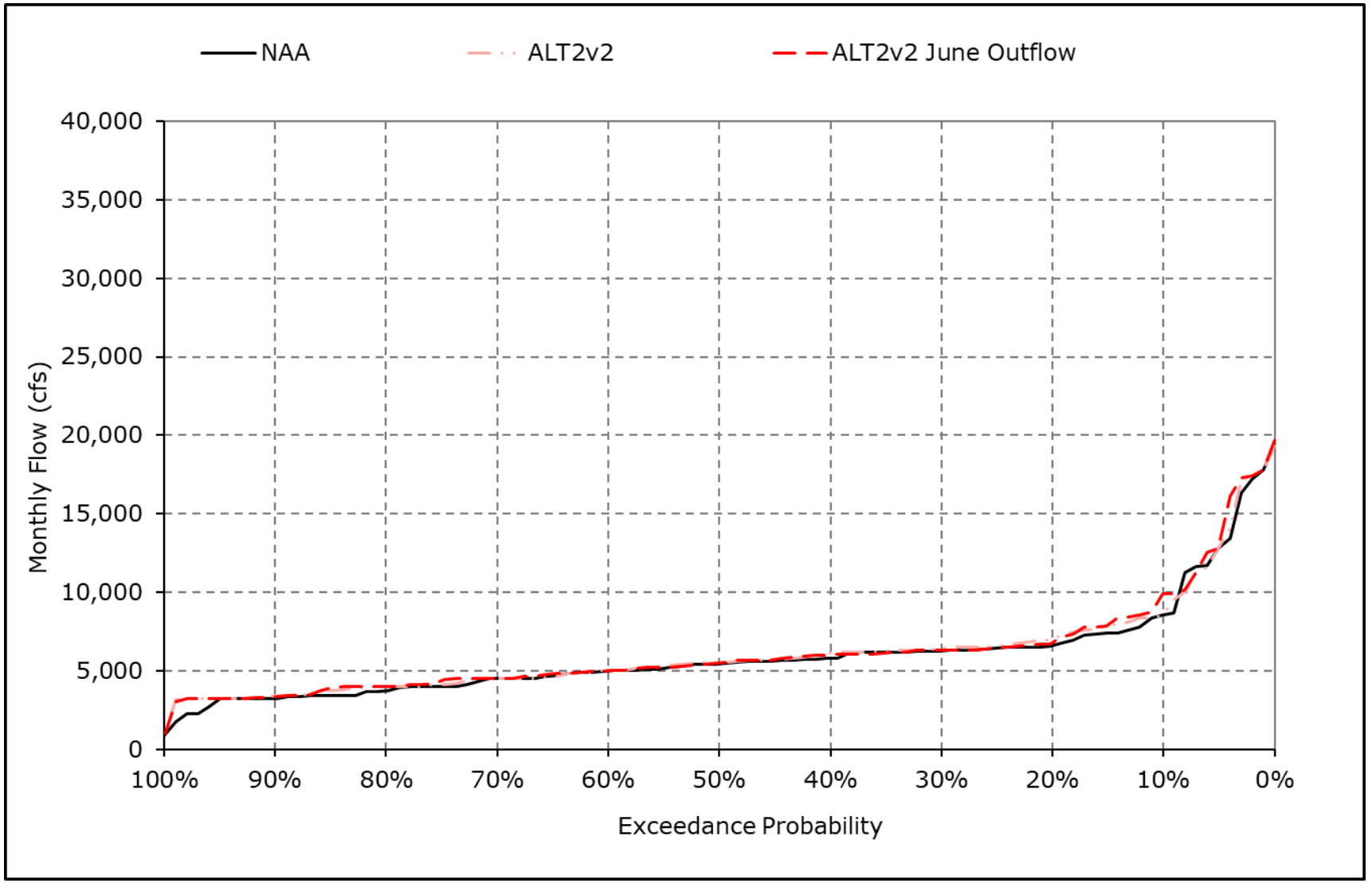
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-7-6. Sacramento River at Wilkins Slough Flow, Critical Year Average Flow



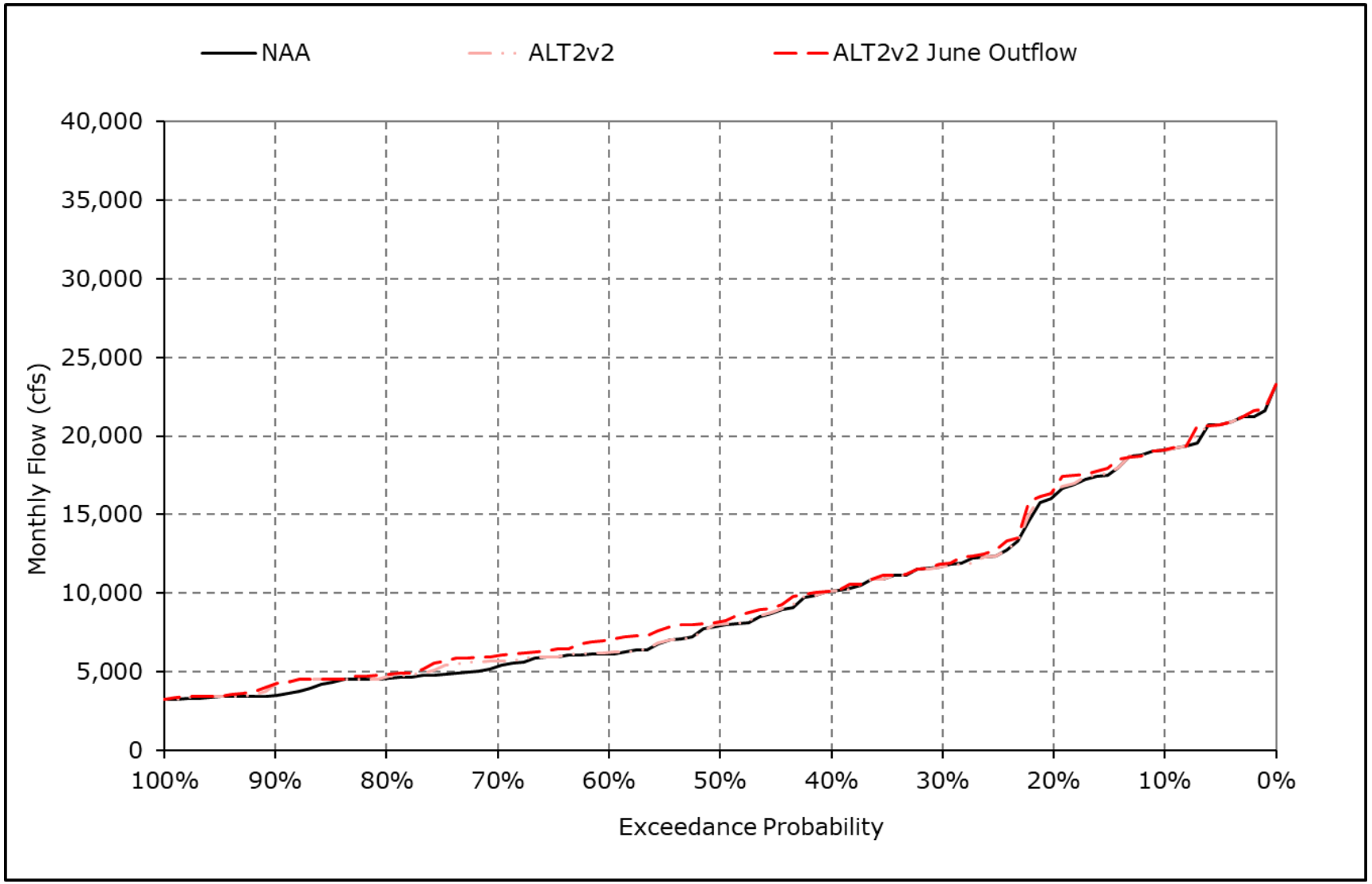
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-7. Sacramento River at Wilkins Slough Flow, October



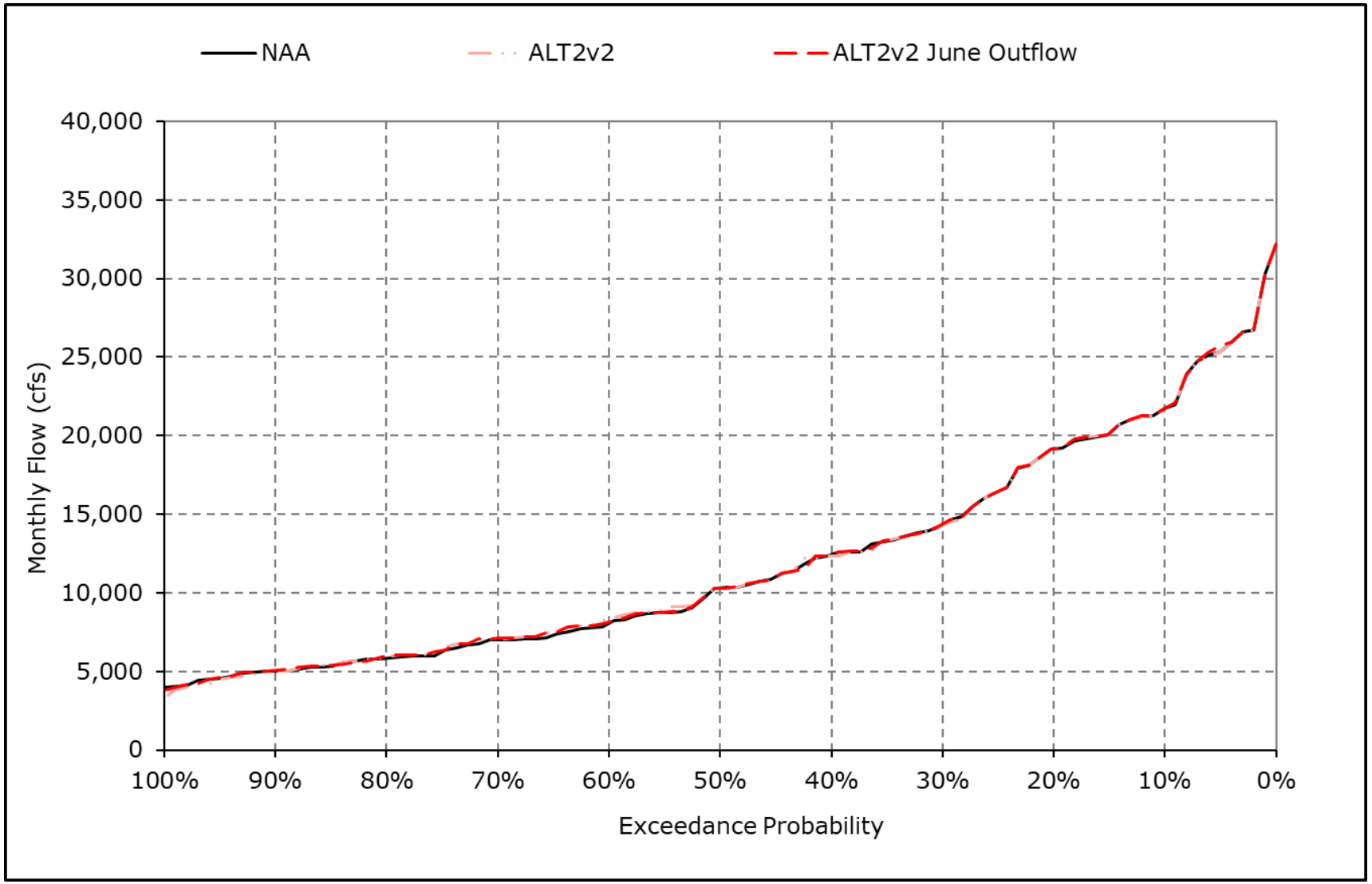
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-8. Sacramento River at Wilkins Slough Flow, November



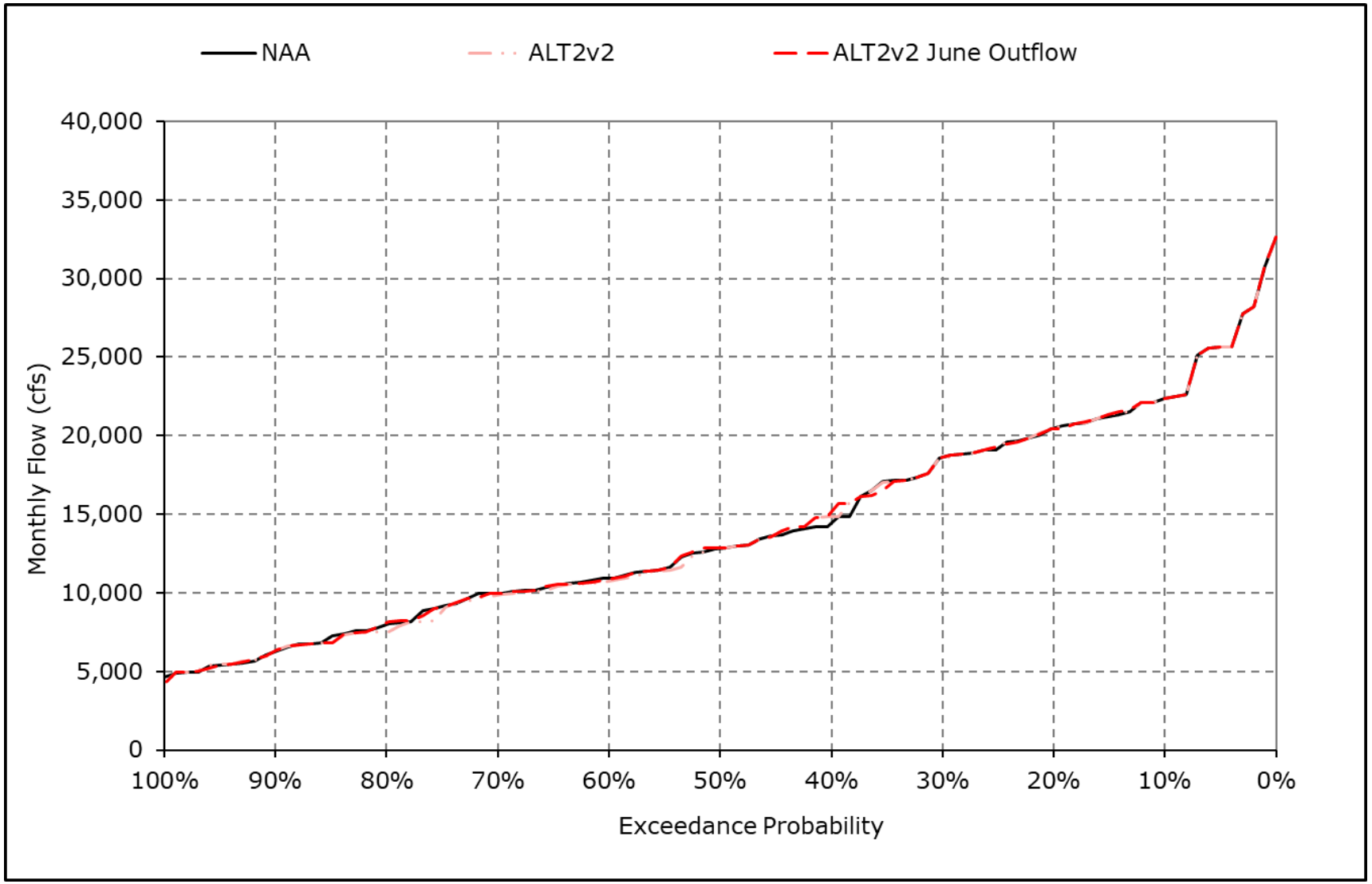
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-9. Sacramento River at Wilkins Slough Flow, December



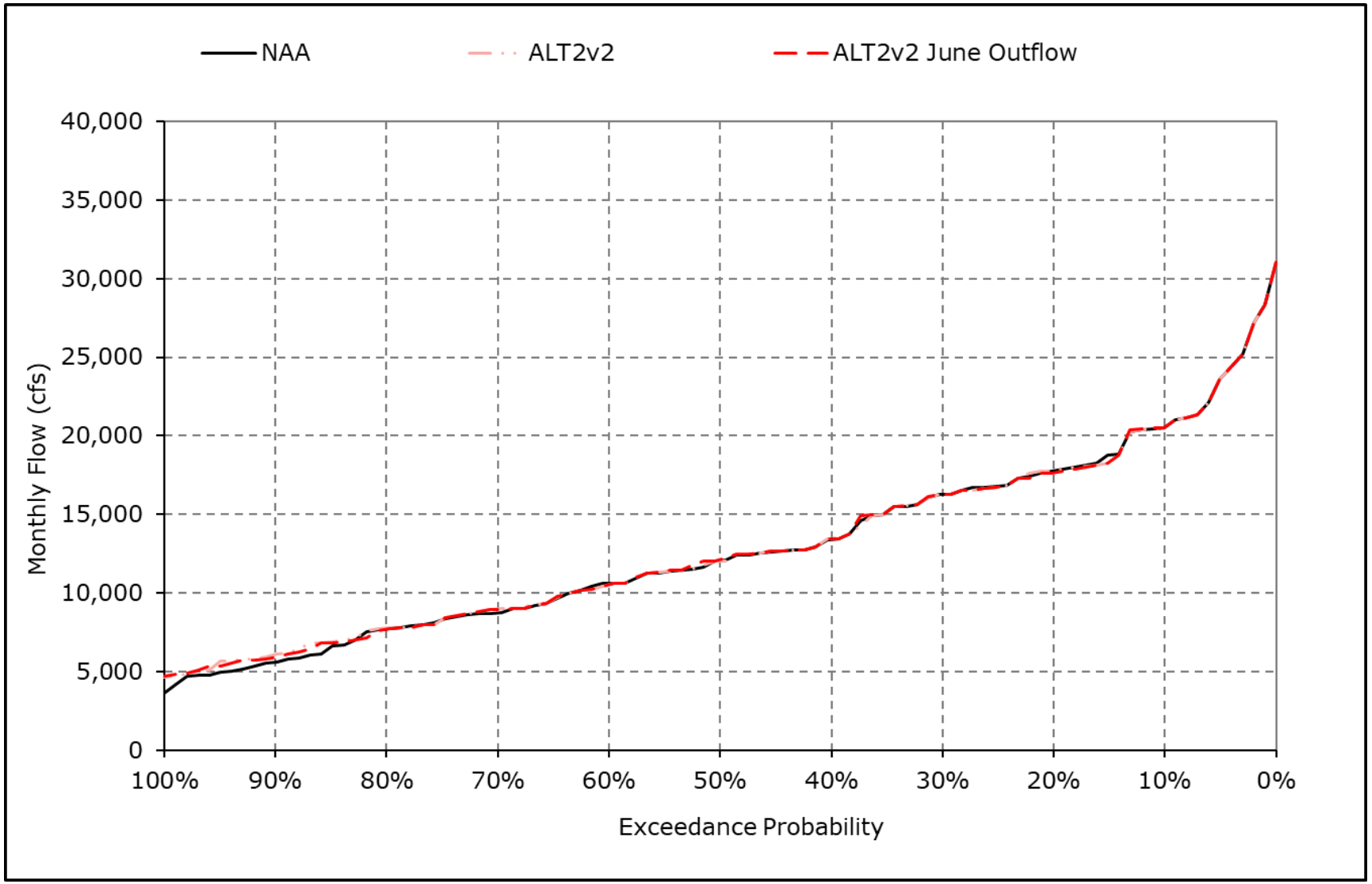
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-10. Sacramento River at Wilkins Slough Flow, January



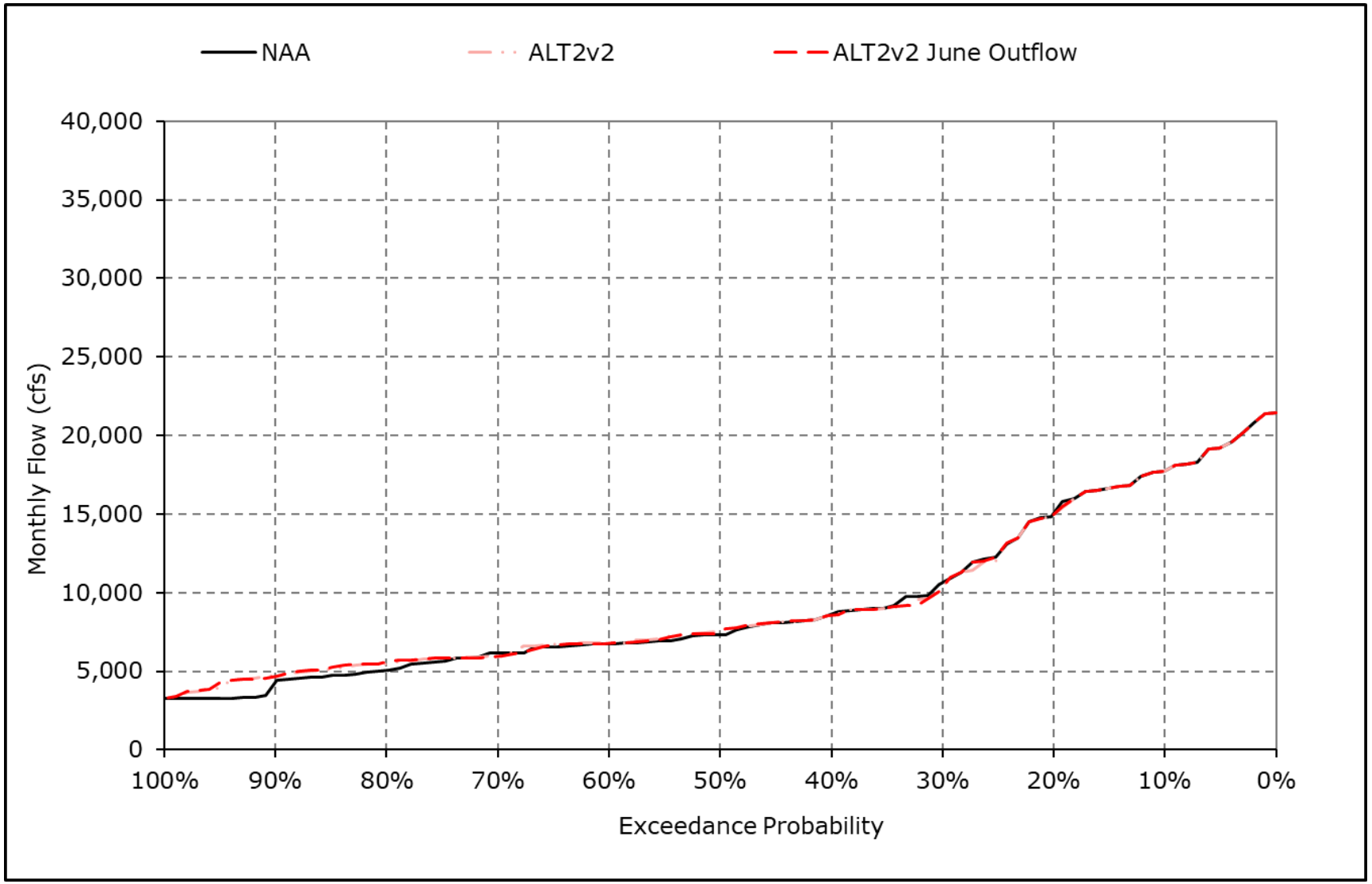
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-11. Sacramento River at Wilkins Slough Flow, February



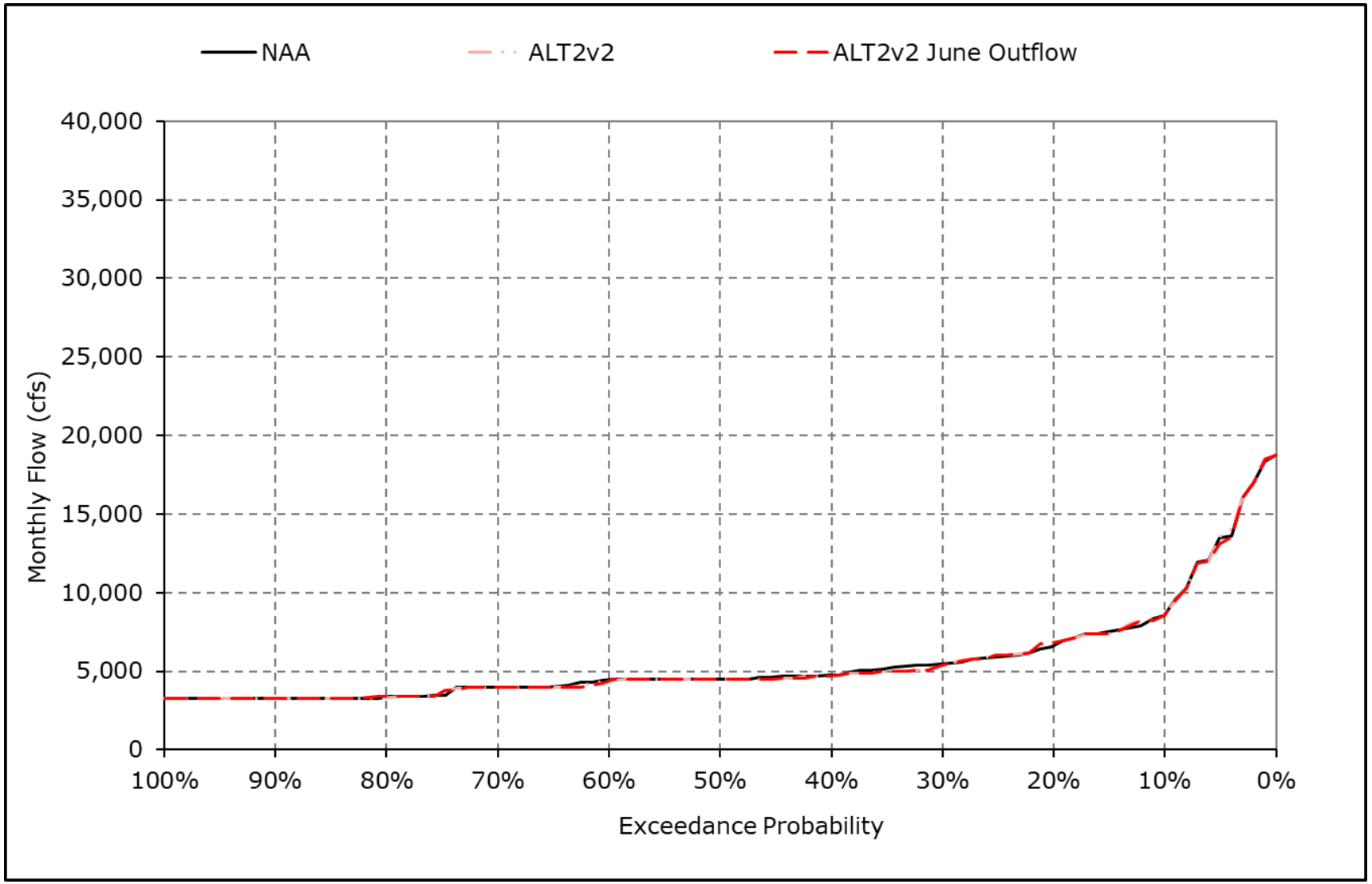
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-12. Sacramento River at Wilkins Slough Flow, March



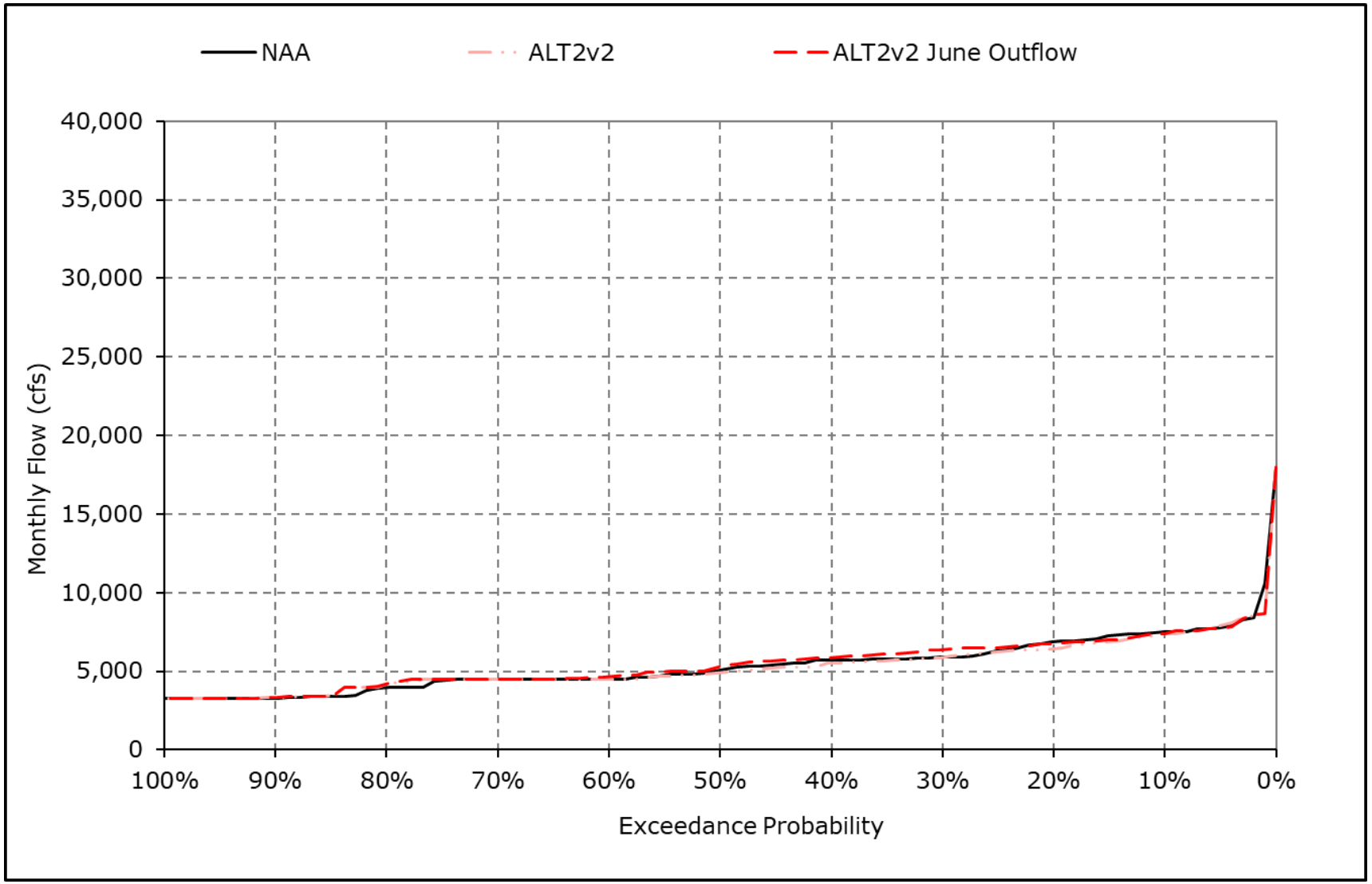
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-13. Sacramento River at Wilkins Slough Flow, April



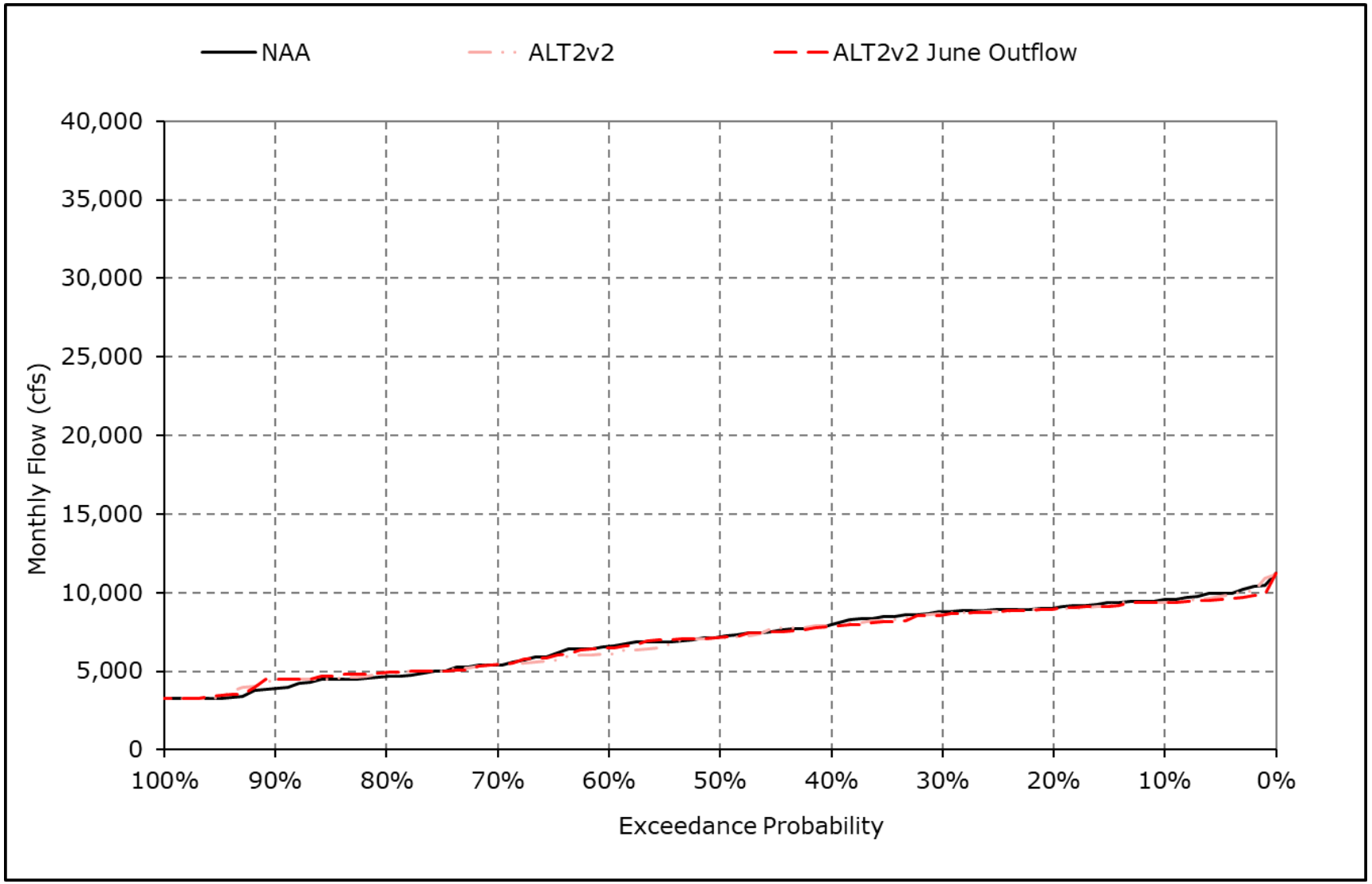
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-14. Sacramento River at Wilkins Slough Flow, May



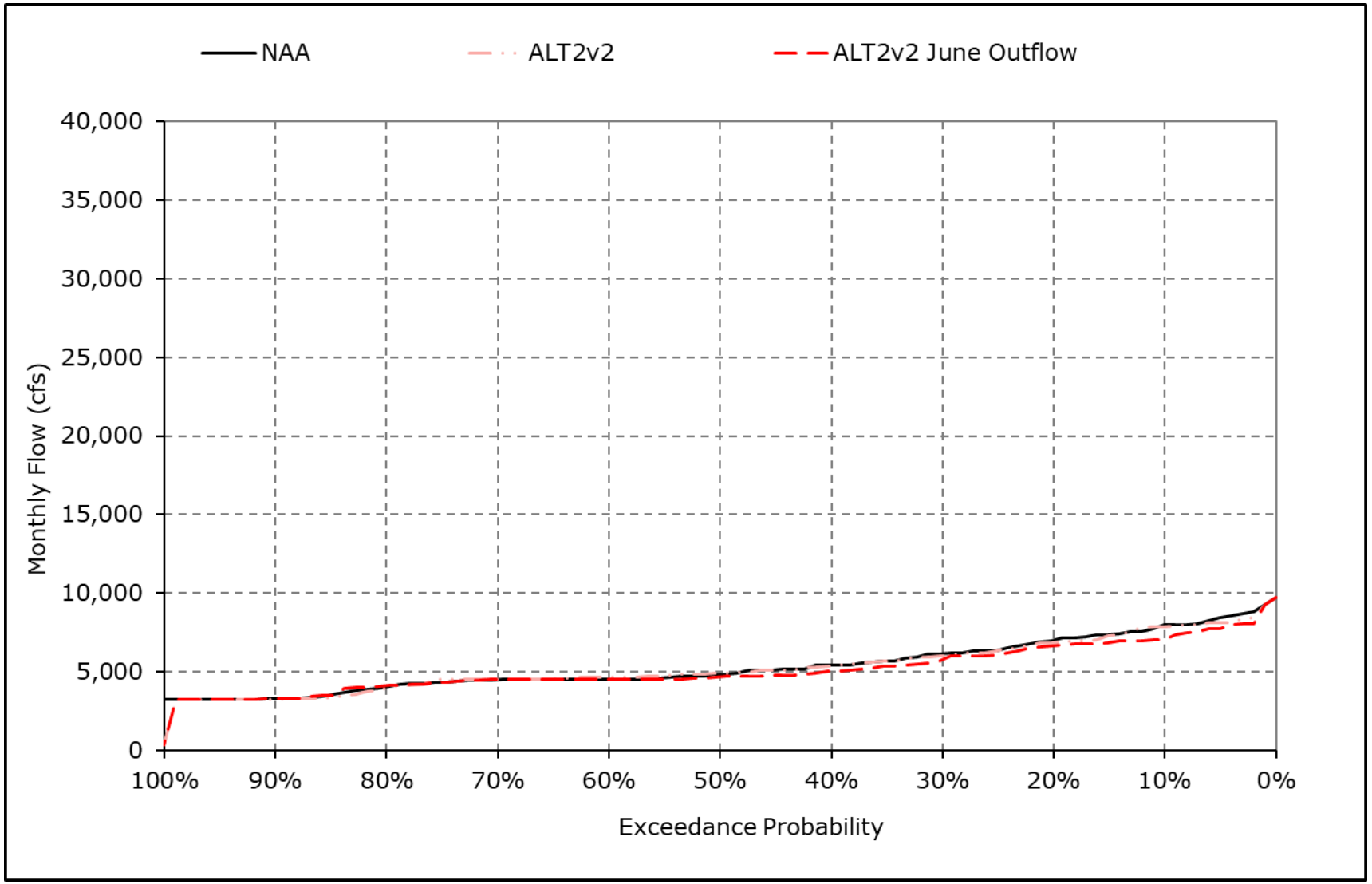
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-7-15. Sacramento River at Wilkins Slough Flow, June



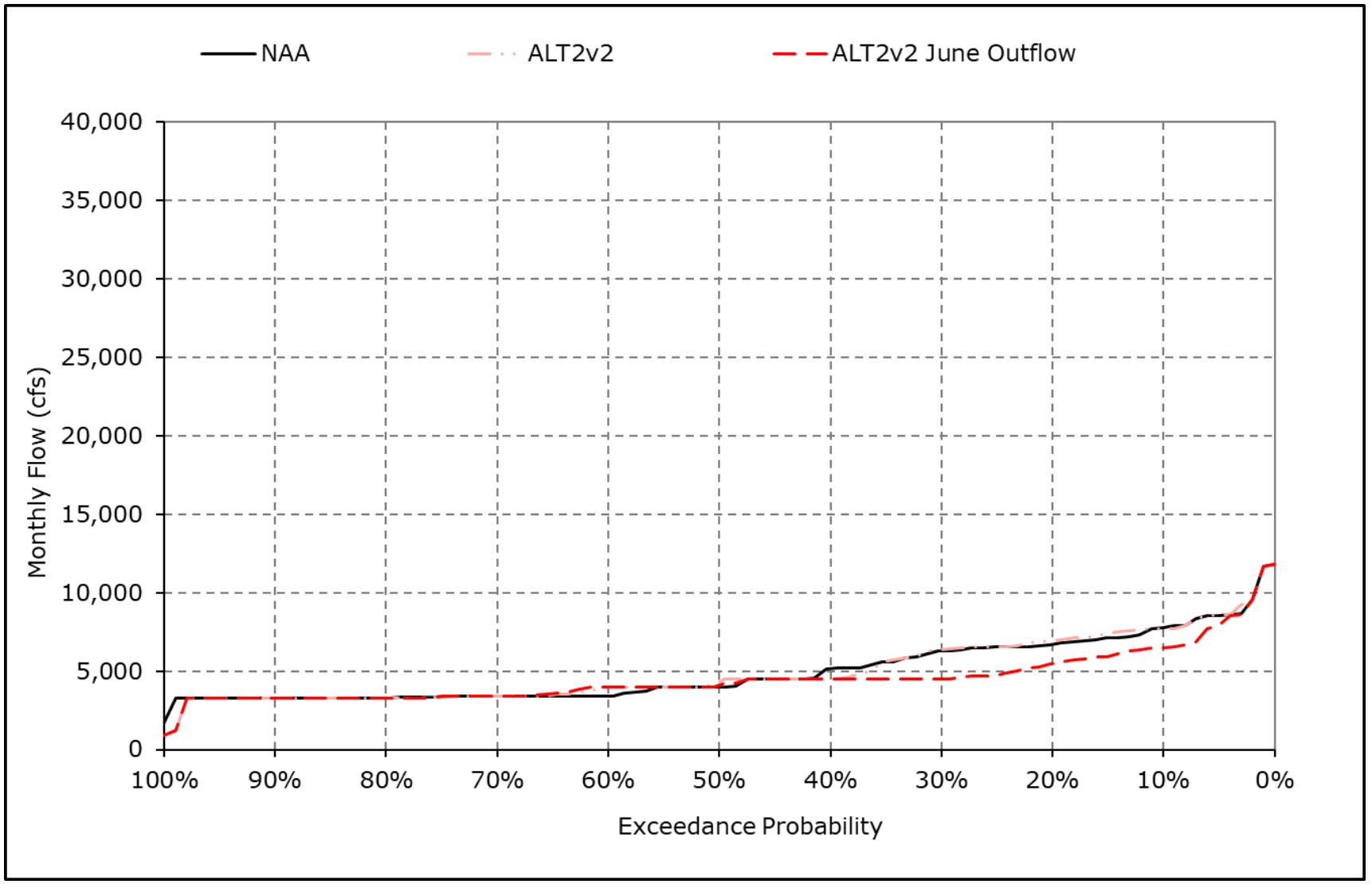
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-8-1c. Feather River Flow downstream of Thermalito, ALT2v2 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.2.2-8-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

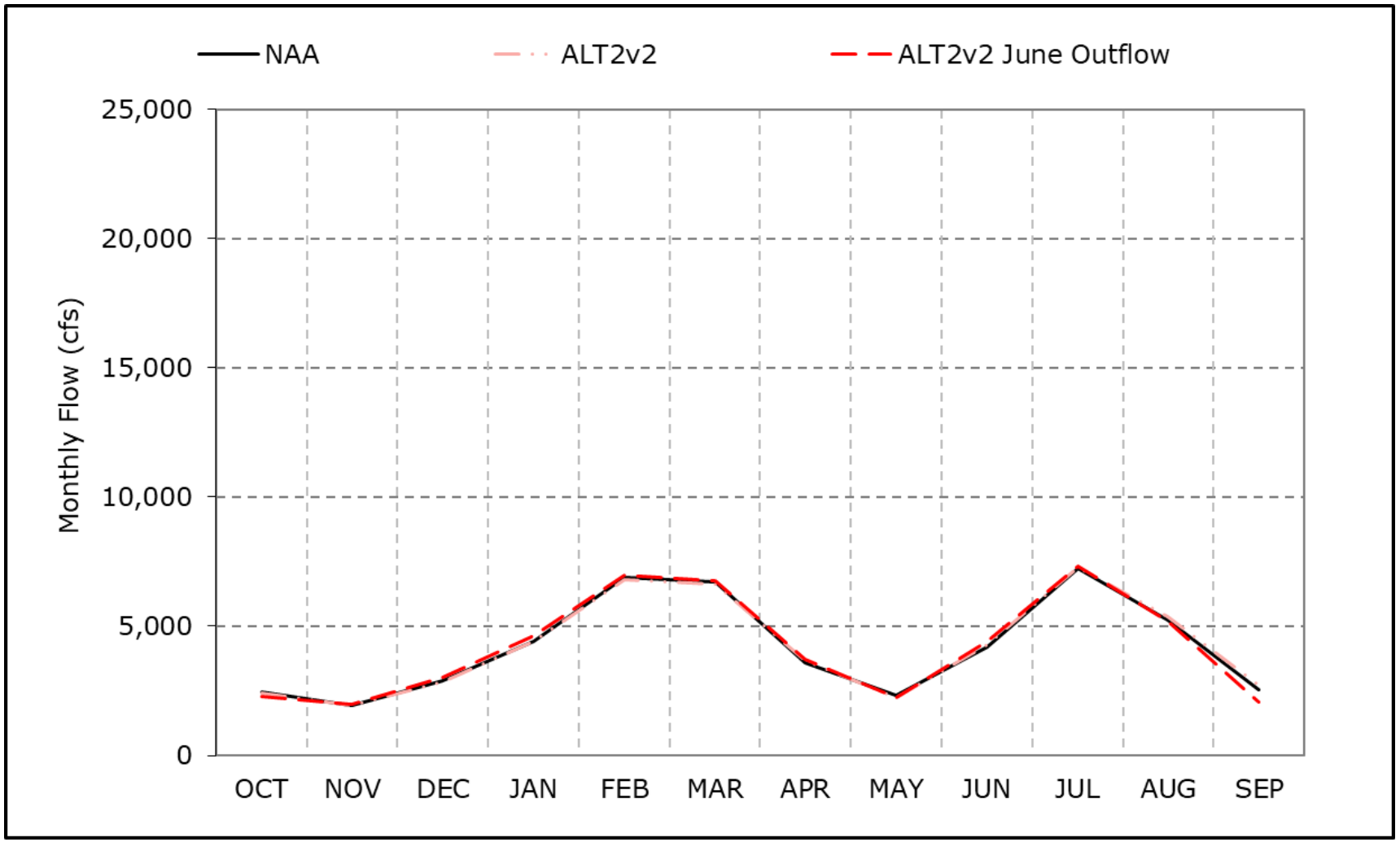
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,938	14,417	22,709	17,808	8,380	4,360	6,094	9,616	8,256	4,169
20% Exceedance	3,877	2,181	1,932	4,580	11,804	12,076	5,246	2,978	5,500	9,315	7,900	2,956
30% Exceedance	3,370	1,746	1,700	1,700	6,742	7,568	4,015	2,704	5,184	8,987	7,422	2,151
40% Exceedance	2,235	1,700	1,700	1,700	3,134	3,842	2,701	2,089	4,756	8,779	6,497	1,356
50% Exceedance	1,723	1,700	1,700	1,700	1,700	1,784	1,803	1,692	4,388	8,437	5,068	1,025
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,449	1,266	3,932	7,854	4,452	1,000
70% Exceedance	1,224	1,700	1,200	1,200	1,200	1,700	1,000	1,013	3,640	6,257	3,268	1,000
80% Exceedance	1,010	1,200	1,105	1,086	1,080	1,000	1,000	1,000	3,301	4,769	2,590	878
90% Exceedance	933	900	900	904	900	845	1,000	848	2,466	3,725	1,964	786
Full Simulation Period Average[a]	2,288	1,967	3,019	4,626	6,993	6,779	3,697	2,252	4,409	7,314	5,210	2,068
Wet Water Years (28%)	3,449	2,822	4,267	11,440	18,174	16,586	7,885	3,157	4,243	8,027	6,034	2,988
Above Normal Water Years (14%)	3,053	2,100	2,627	4,207	6,097	7,572	3,282	2,500	4,373	9,041	7,745	4,313
Below Normal Water Years (18%)	2,292	1,752	2,734	1,654	2,622	2,943	1,511	2,164	4,922	8,547	6,603	1,366
Dry Water Years (24%)	1,251	1,389	3,275	1,357	1,538	1,424	1,945	1,917	4,983	6,822	3,621	907
Critical Water Years (16%)	1,011	1,424	1,012	1,315	1,311	1,270	1,817	1,051	3,290	3,908	2,366	1,027

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

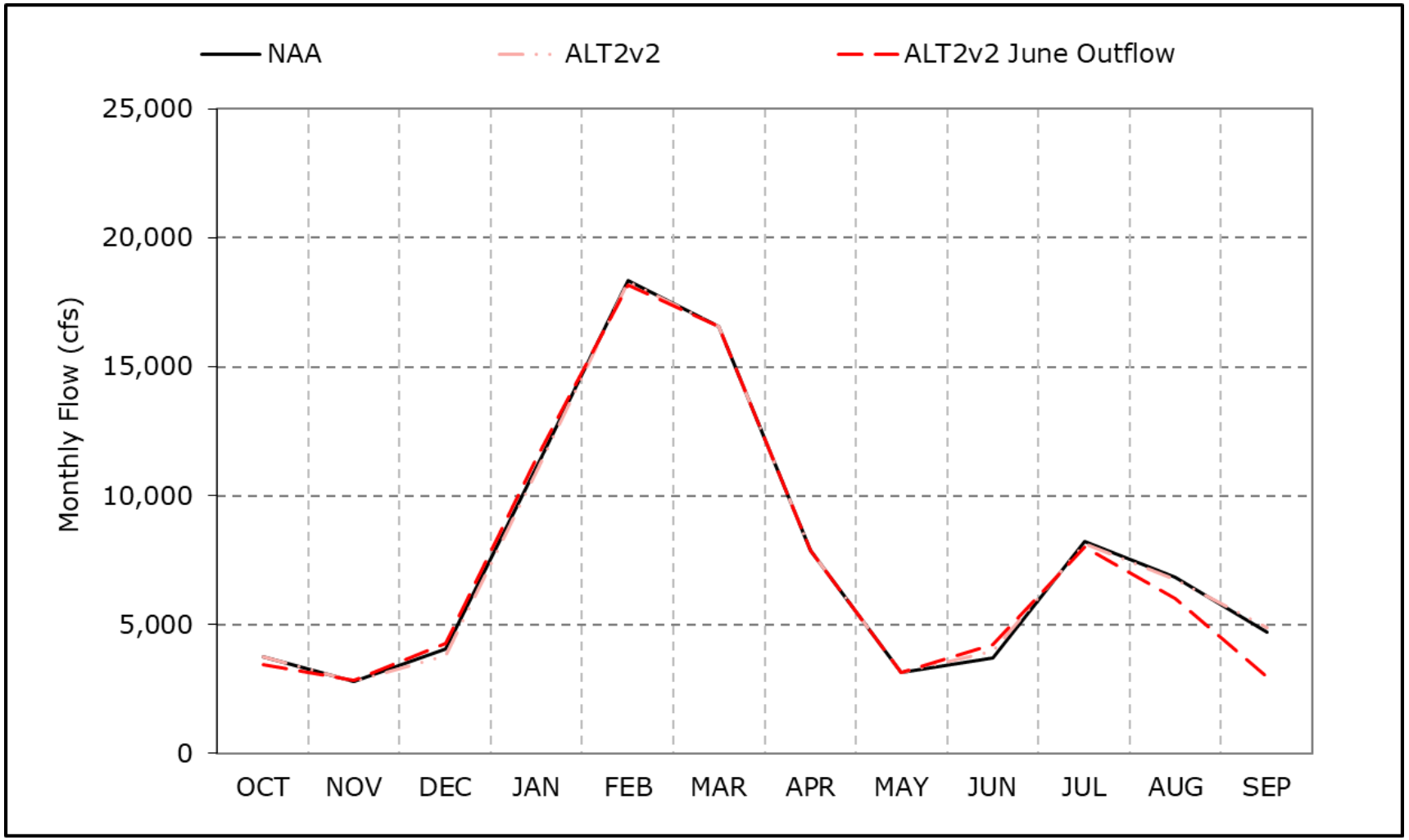
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-659	582	61	1	0	-129	-340	-384	-457	-2,334
20% Exceedance	-123	37	-313	753	66	-118	-34	-384	-116	-202	-422	-2,025
30% Exceedance	-630	46	0	0	261	0	111	-81	111	-254	-535	-709
40% Exceedance	-580	0	0	0	1,372	-131	207	-214	214	-225	-518	-570
50% Exceedance	-16	0	0	0	0	84	159	-257	367	-263	-356	8
60% Exceedance	0	0	0	0	0	0	449	193	357	-3	971	0
70% Exceedance	-320	0	0	0	0	0	0	13	478	680	488	0
80% Exceedance	-153	0	48	-1	-17	0	0	0	532	1,027	315	84
90% Exceedance	-4	-1	0	4	0	2	249	24	420	717	240	12
Full Simulation Period Average[a]	-153	40	124	216	89	54	108	-76	215	92	-40	-461
Wet Water Years (28%)	-312	4	197	358	-170	-2	0	17	521	-206	-820	-1,708
Above Normal Water Years (14%)	-217	121	33	646	307	-547	-48	4	270	-251	-549	63
Below Normal Water Years (18%)	146	32	-10	0	546	526	-64	-520	148	53	829	-143
Dry Water Years (24%)	-6	56	275	-6	-30	-2	-37	-47	-273	163	255	-7
Critical Water Years (16%)	-382	11	1	170	17	232	842	150	440	850	351	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.



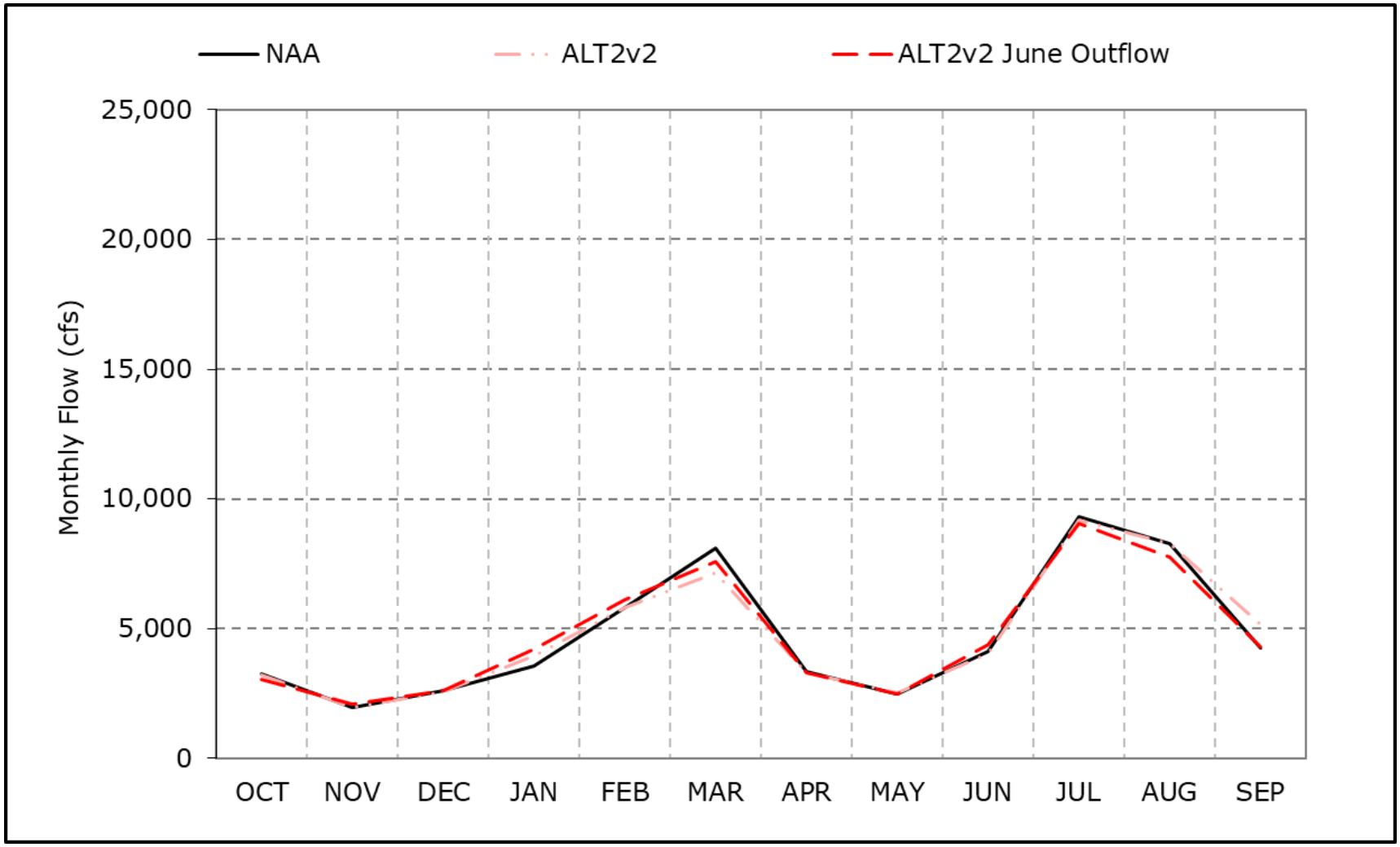
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-1. Feather River Flow downstream of Thermalito, Long-Term Average Flow



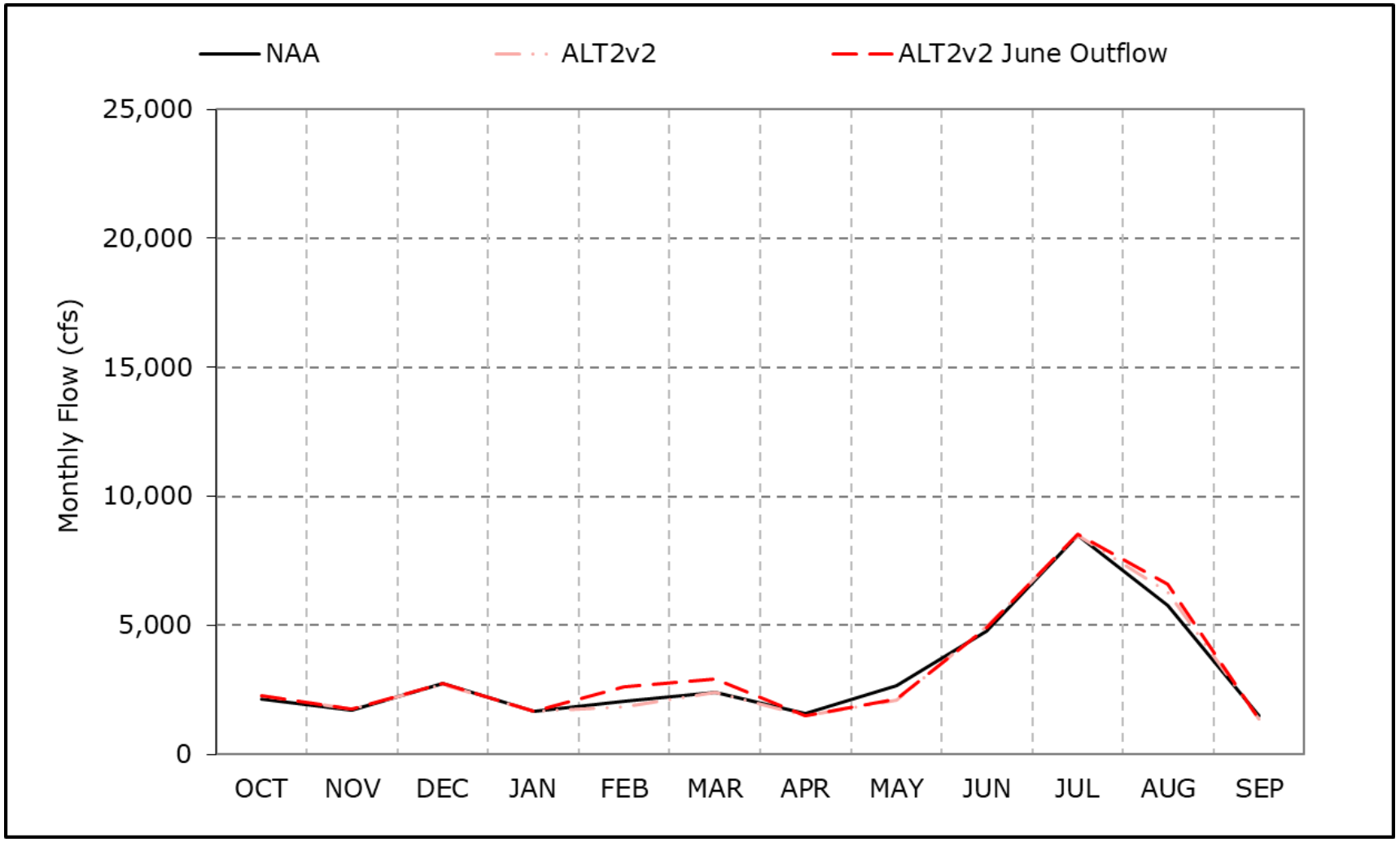
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-2. Feather River Flow downstream of Thermalito, Wet Year Average Flow



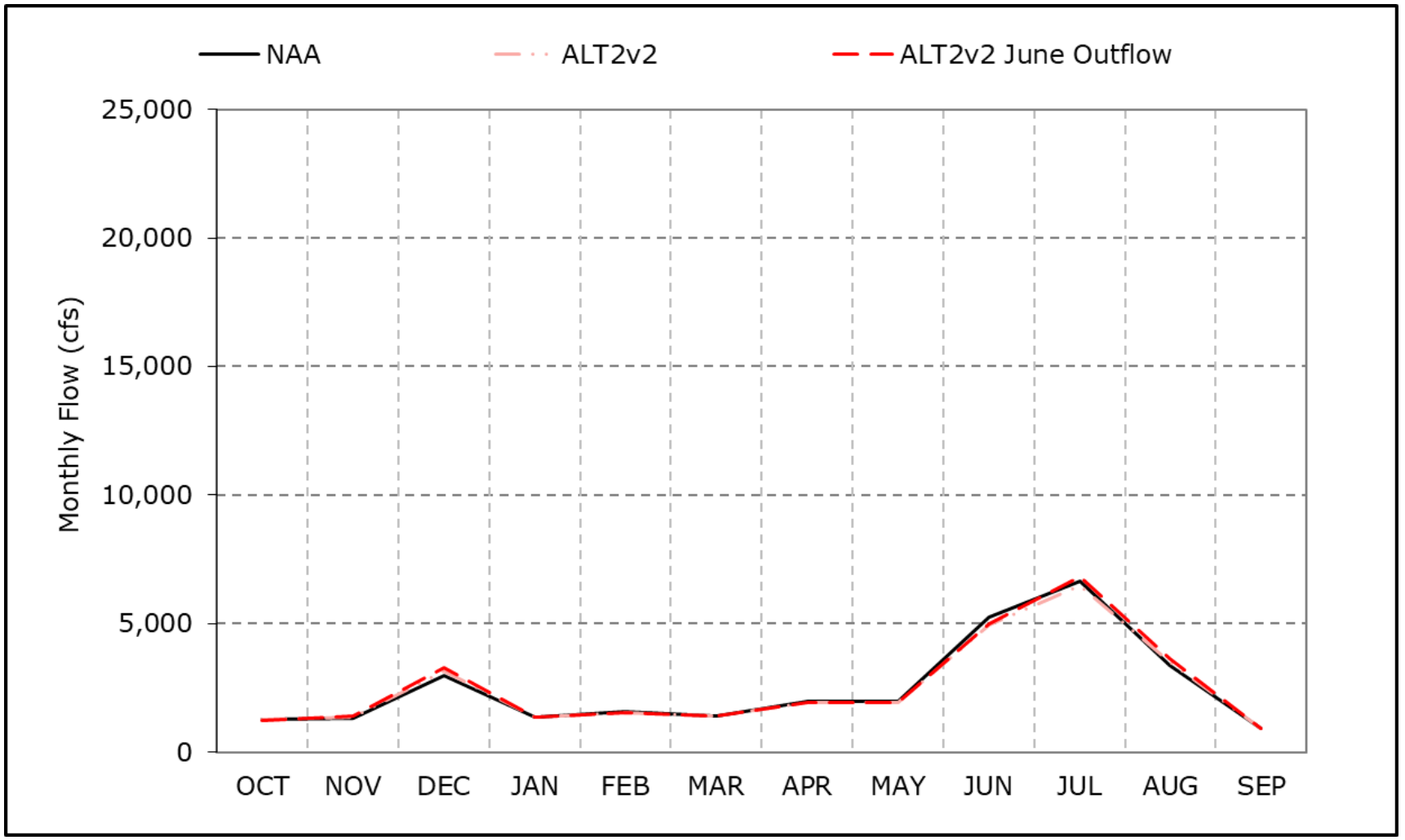
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-3. Feather River Flow downstream of Thermalito, Above Normal Year Average Flow



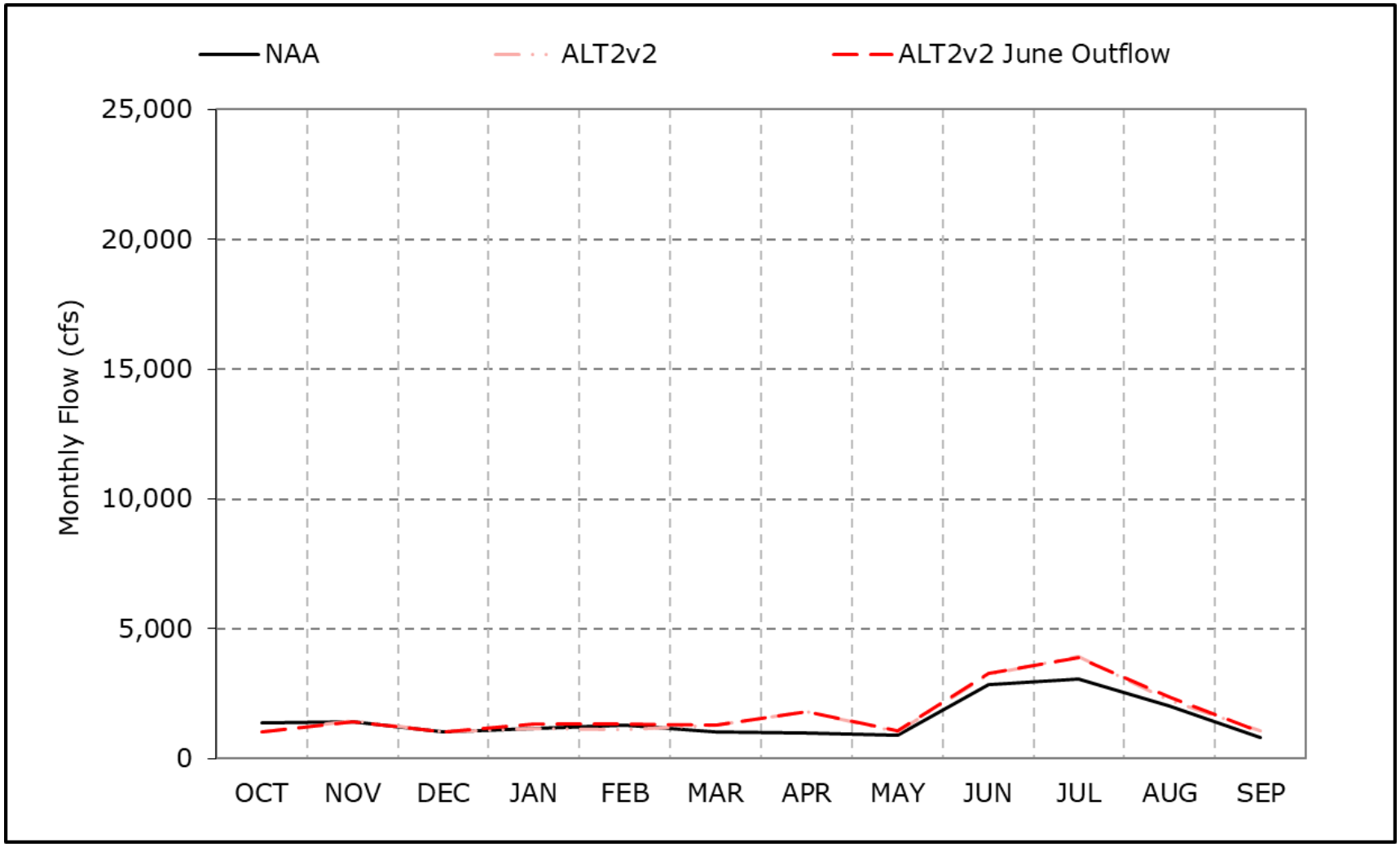
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-4. Feather River Flow downstream of Thermalito, Below Normal Year Average Flow



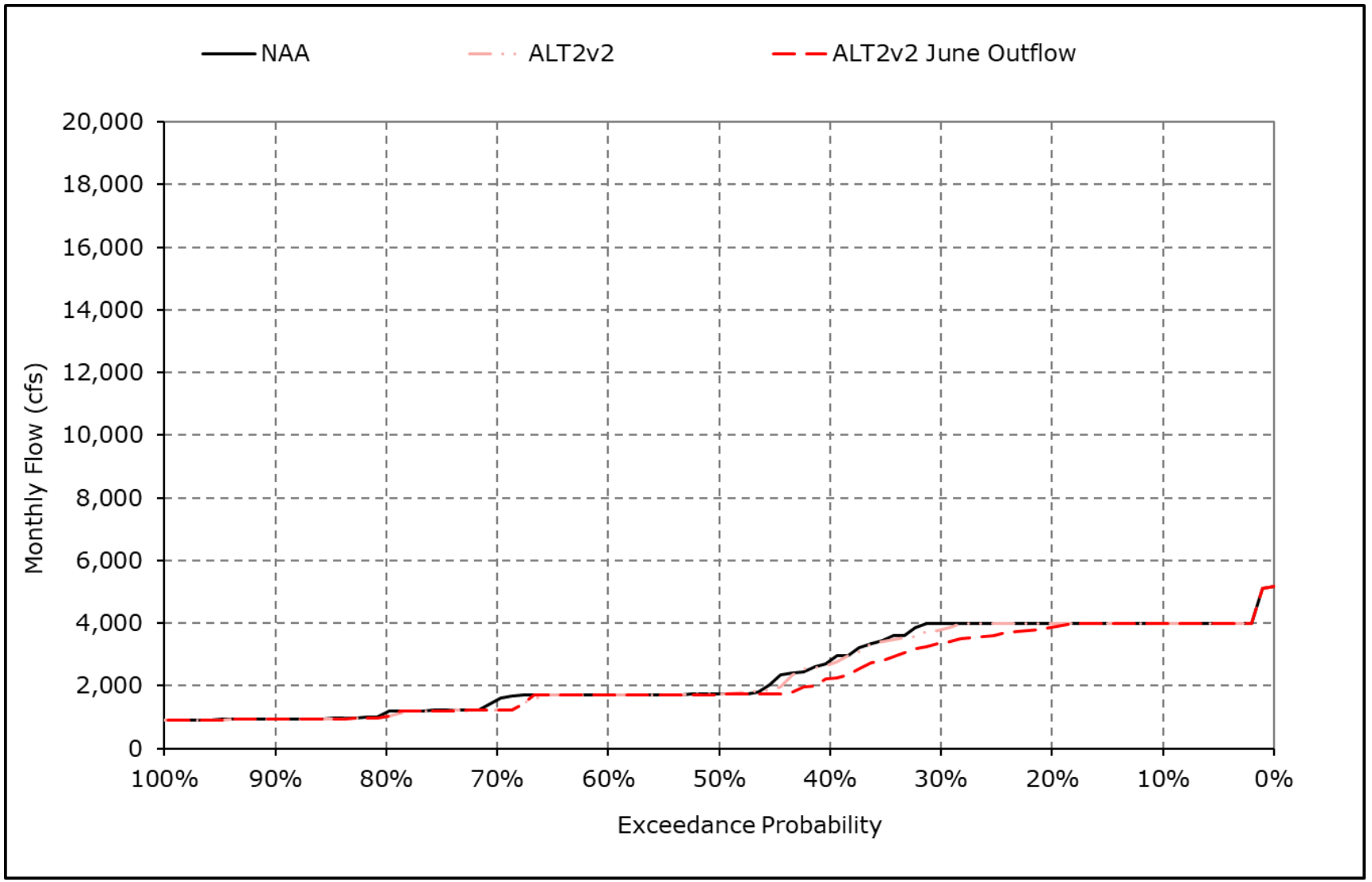
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-5. Feather River Flow downstream of Thermalito, Dry Year Average Flow



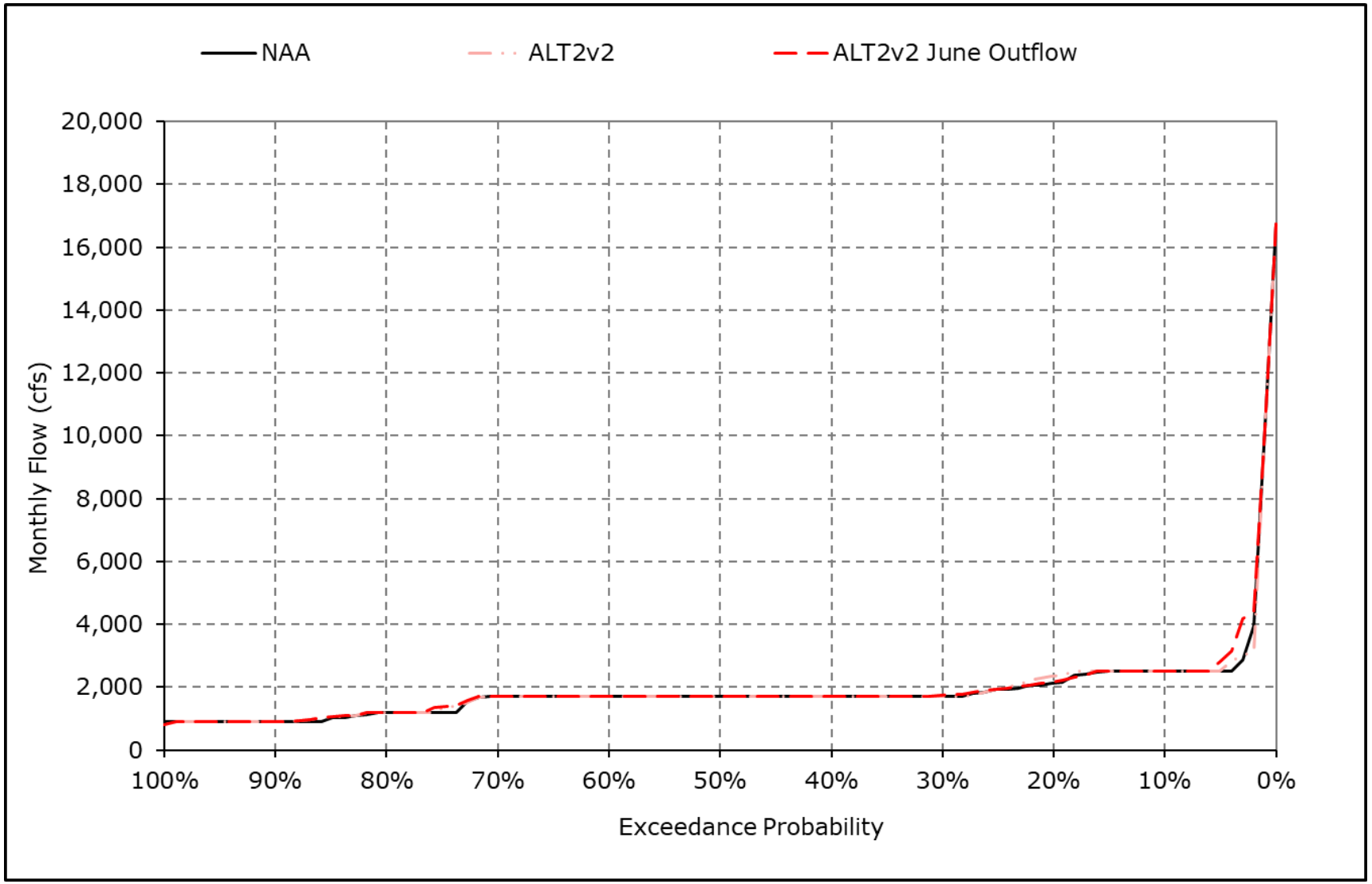
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-8-6. Feather River Flow downstream of Thermalito, Critical Year Average Flow



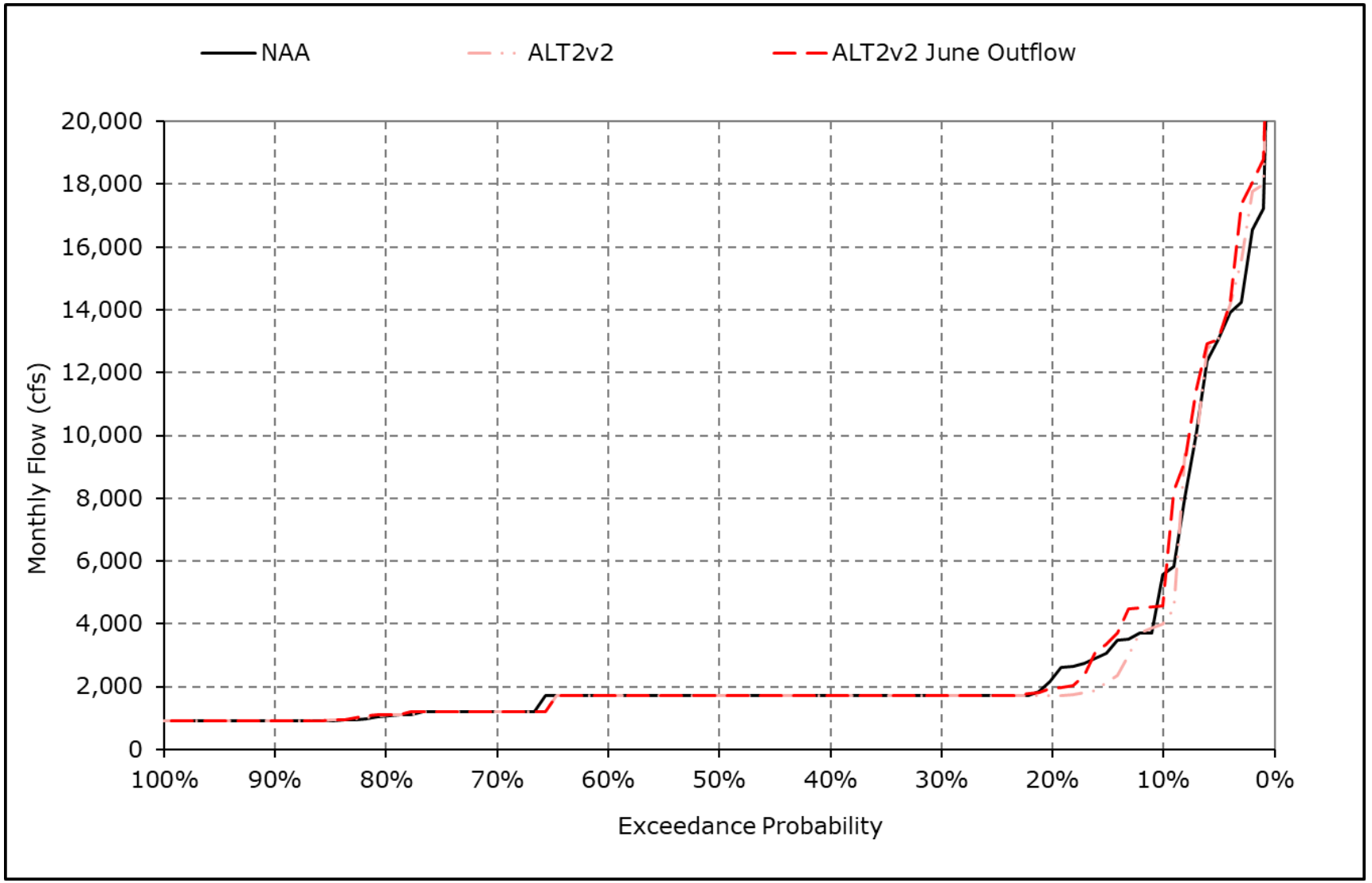
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-7. Feather River Flow downstream of Thermalito, October



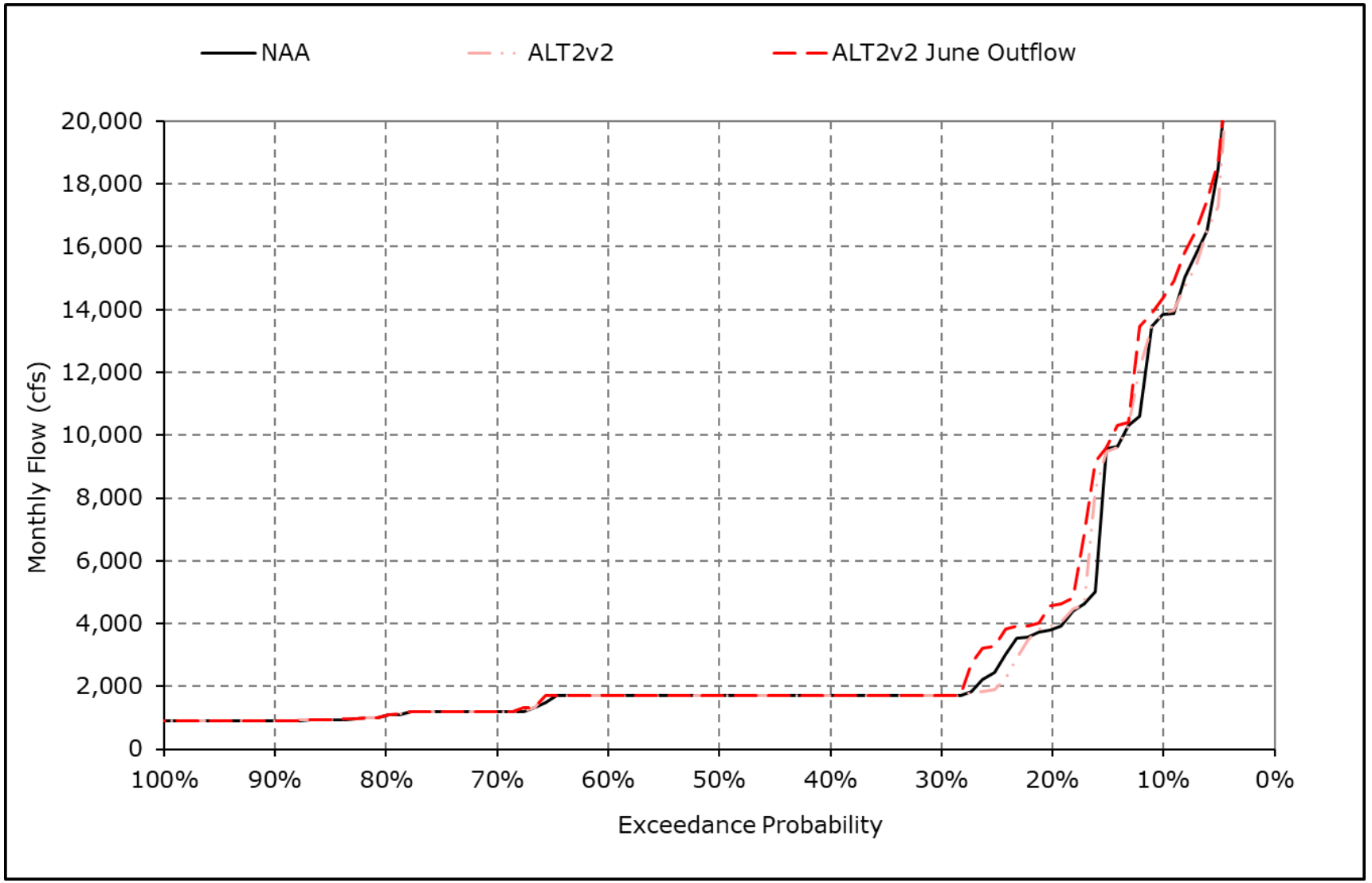
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-8. Feather River Flow downstream of Thermalito, November



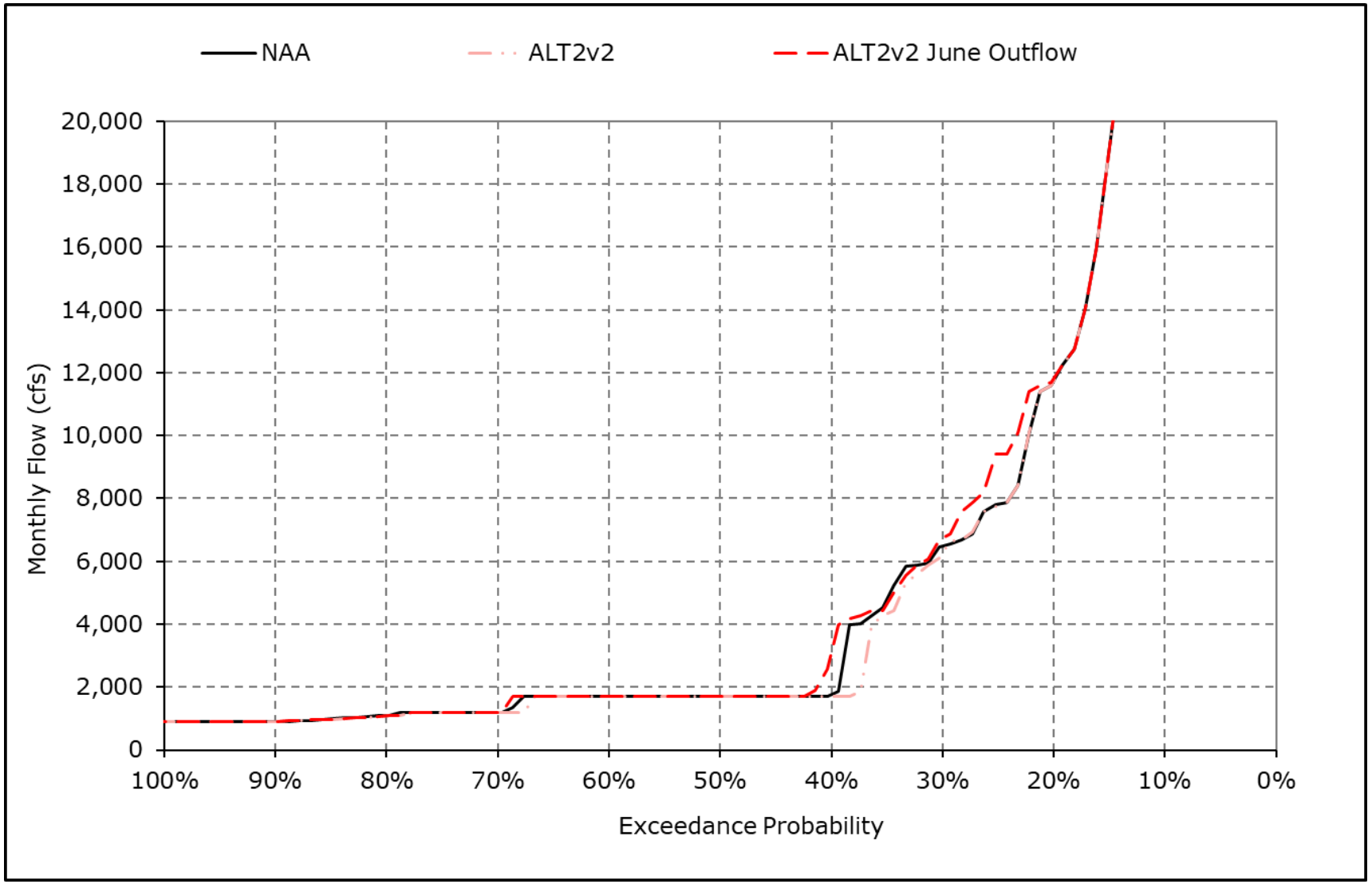
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-9. Feather River Flow downstream of Thermalito, December



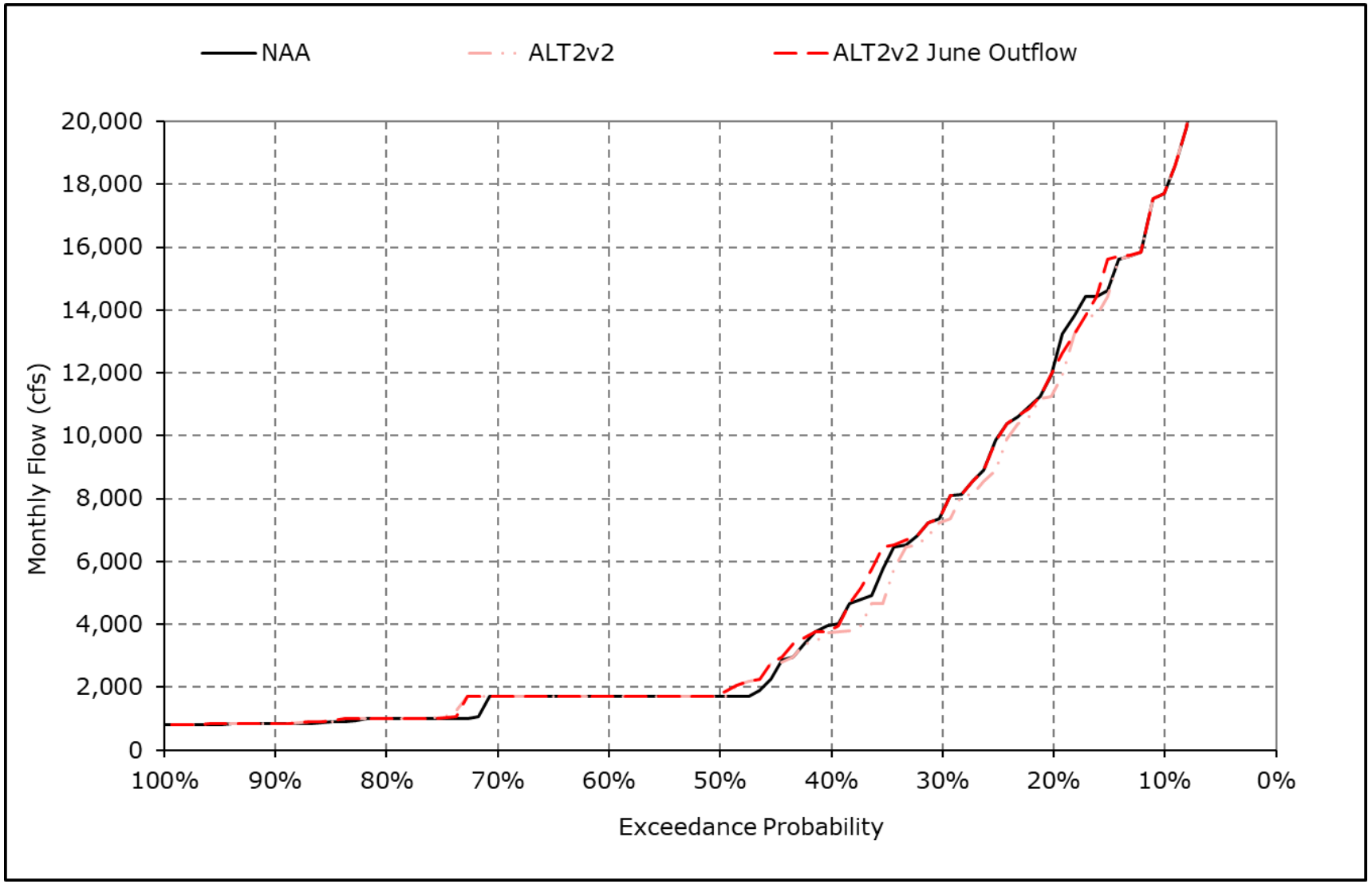
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-10. Feather River Flow downstream of Thermalito, January



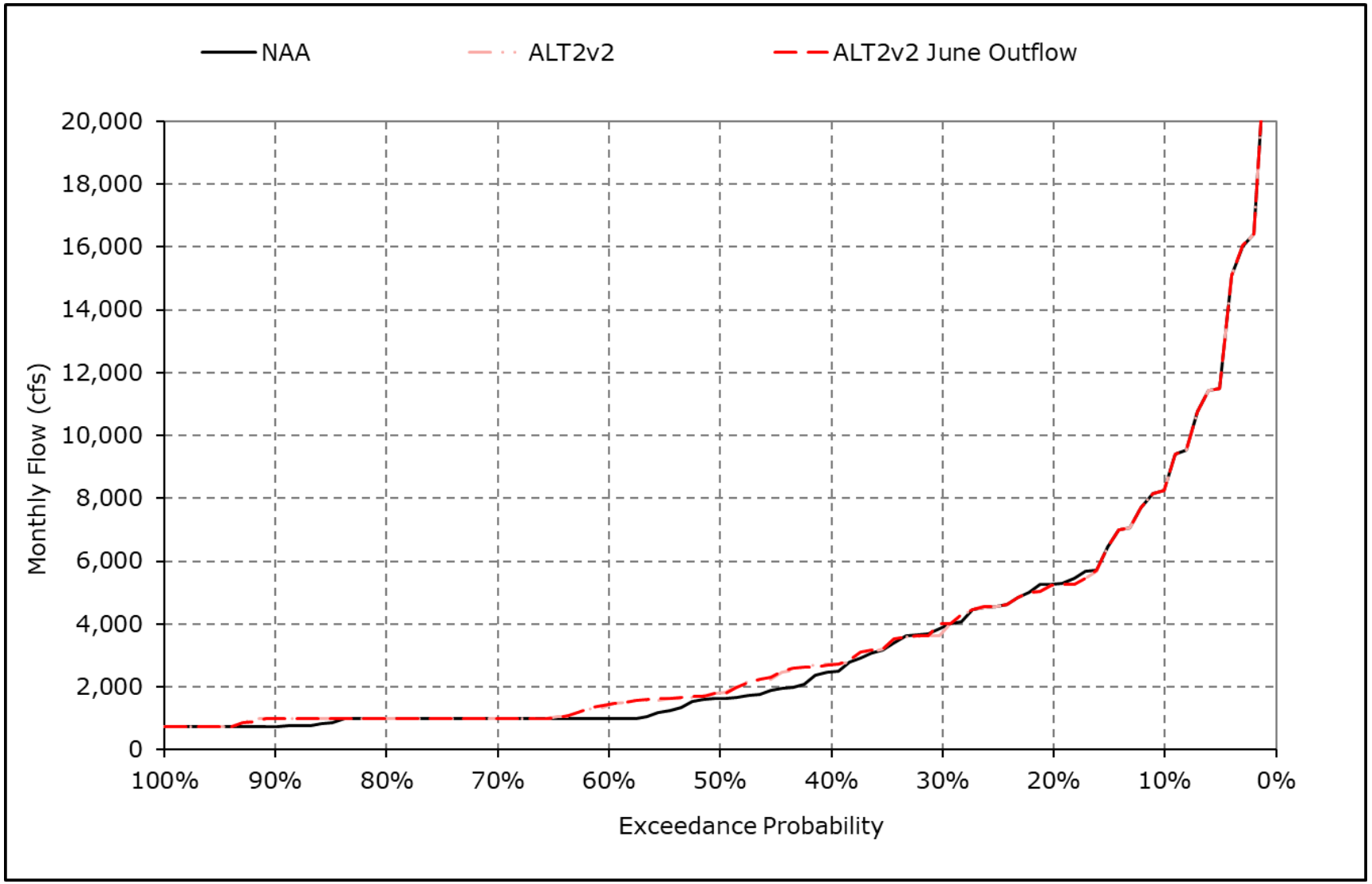
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-11. Feather River Flow downstream of Thermalito, February



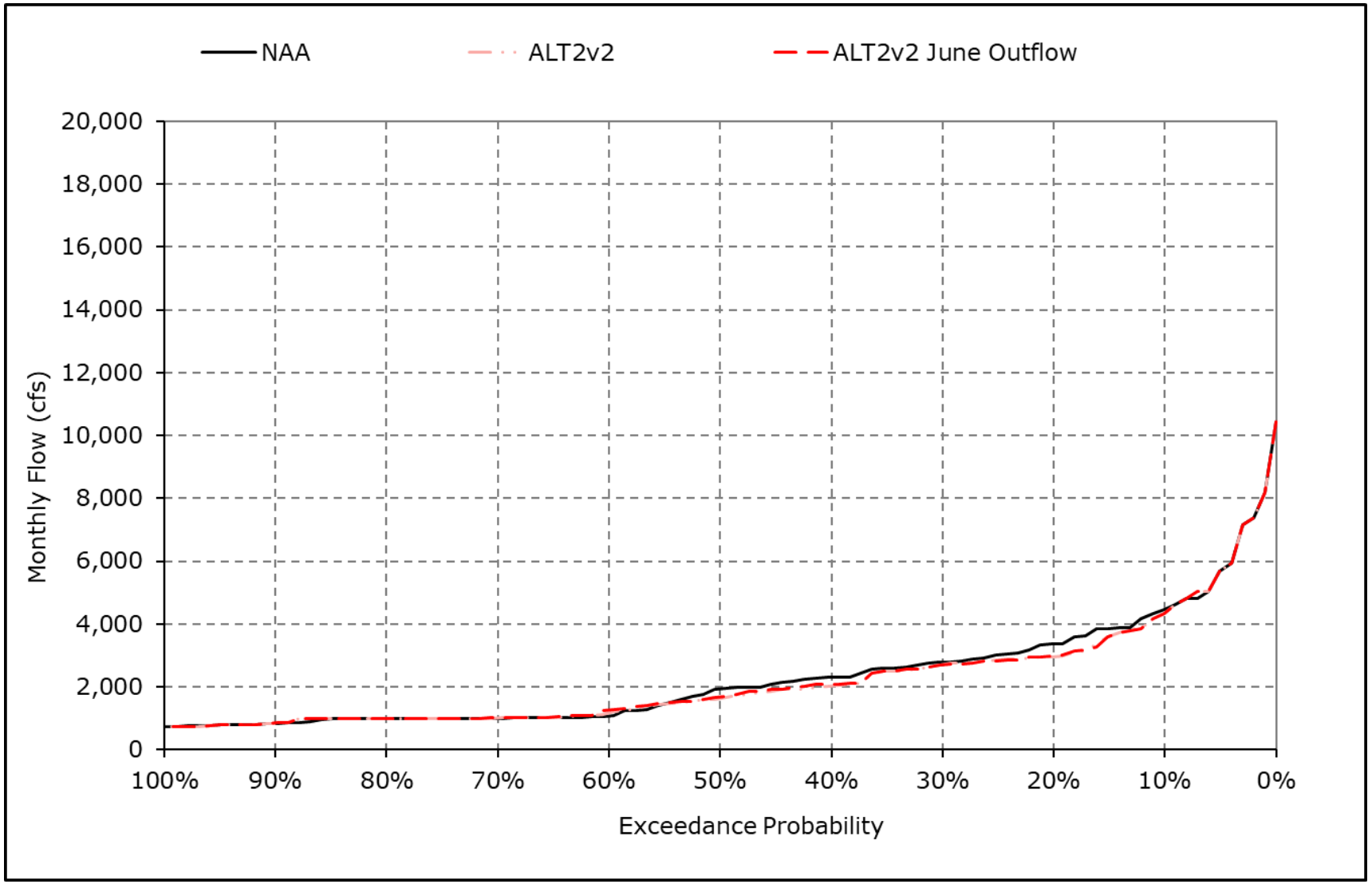
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-12. Feather River Flow downstream of Thermalito, March



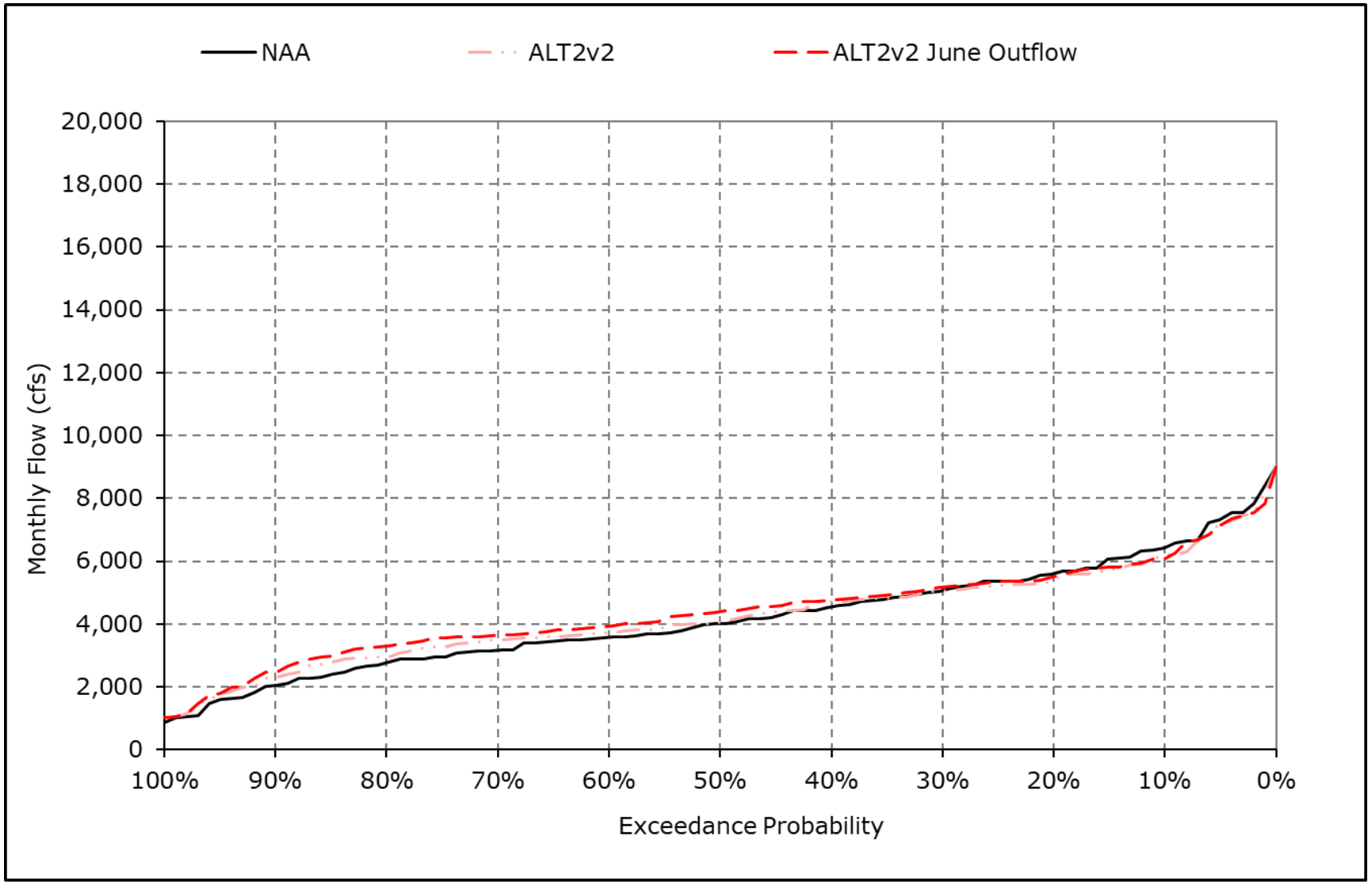
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-13. Feather River Flow downstream of Thermalito, April



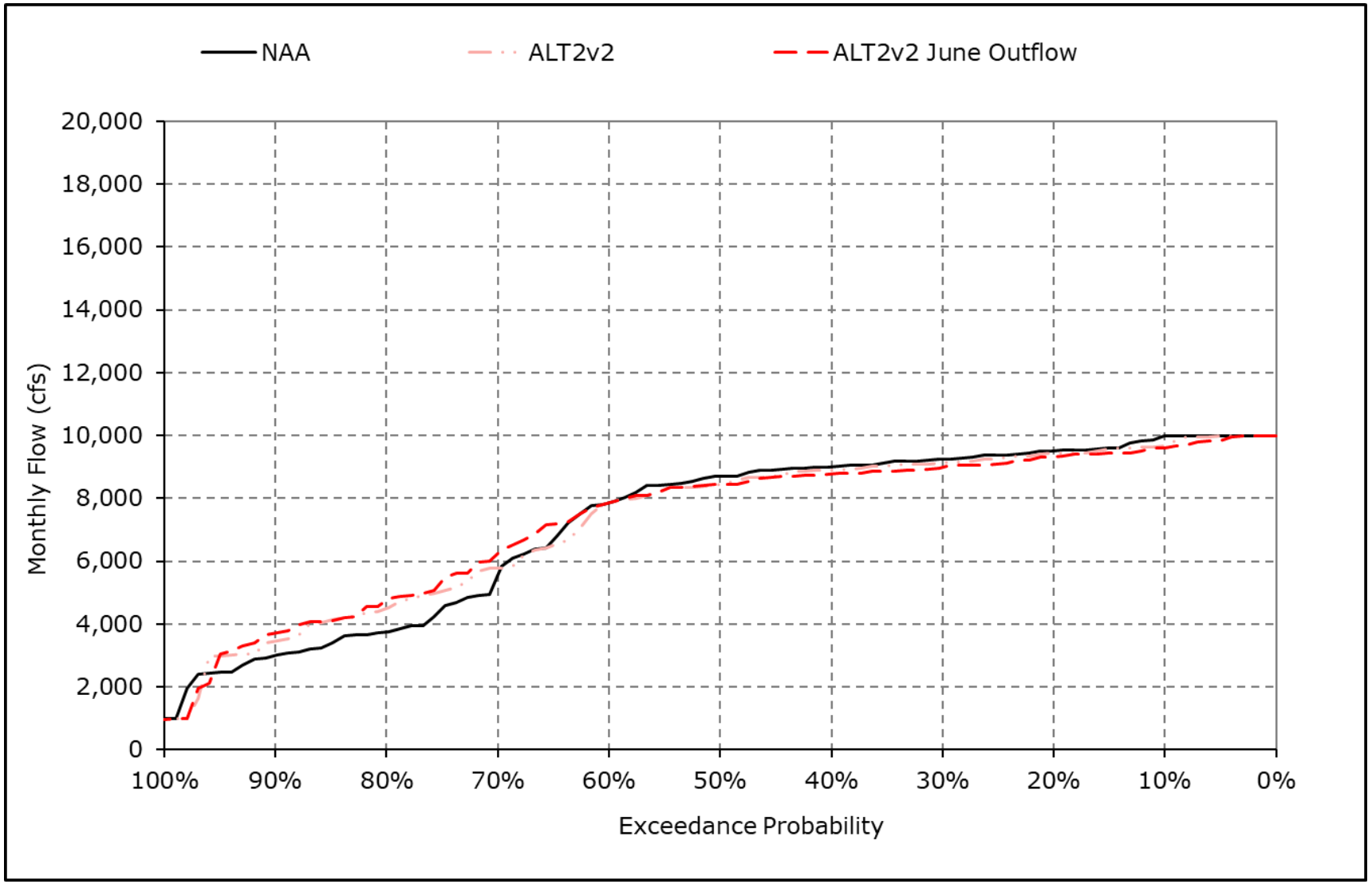
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-14. Feather River Flow downstream of Thermalito, May



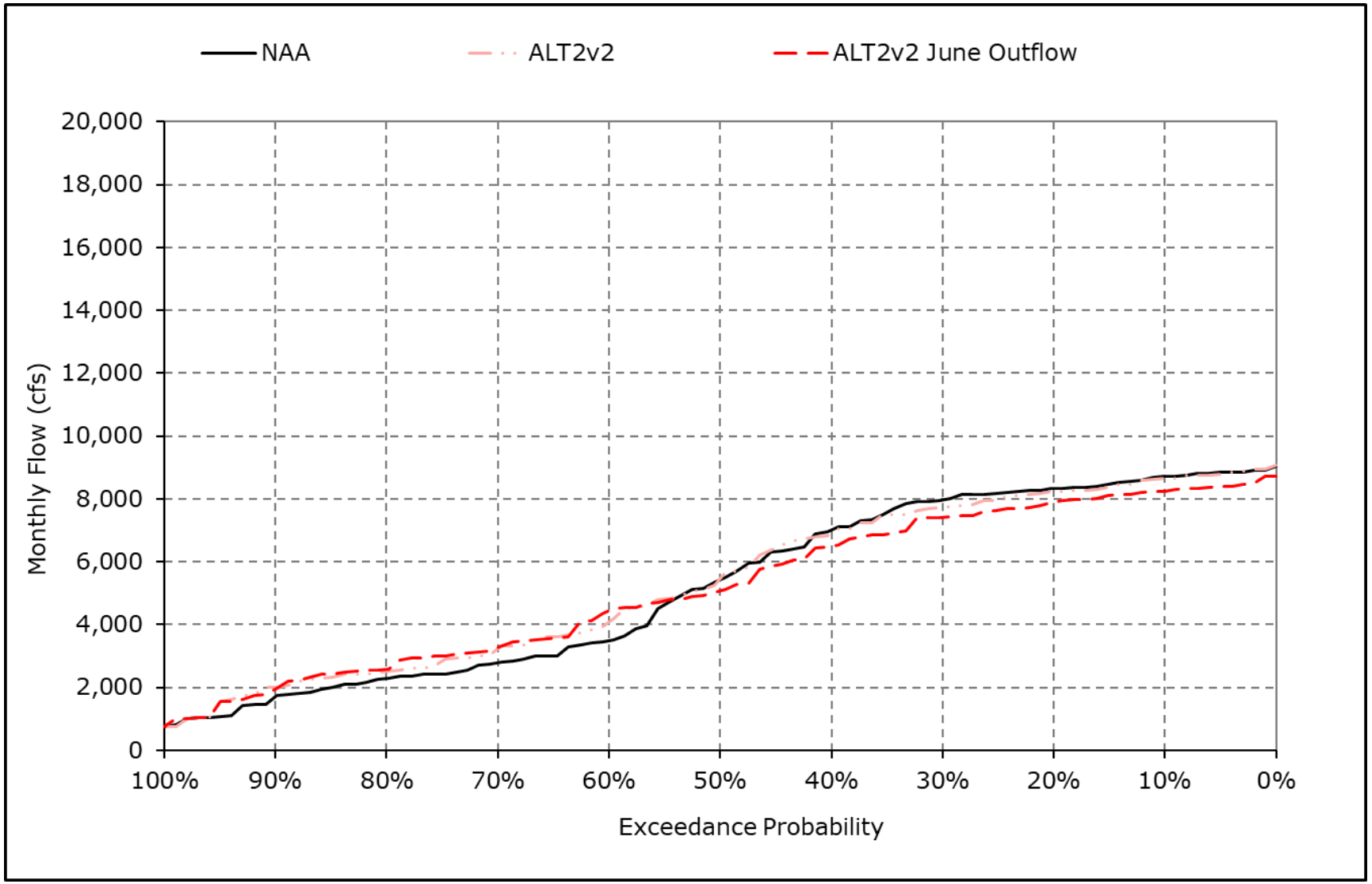
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-8-15. Feather River Flow downstream of Thermalito, June



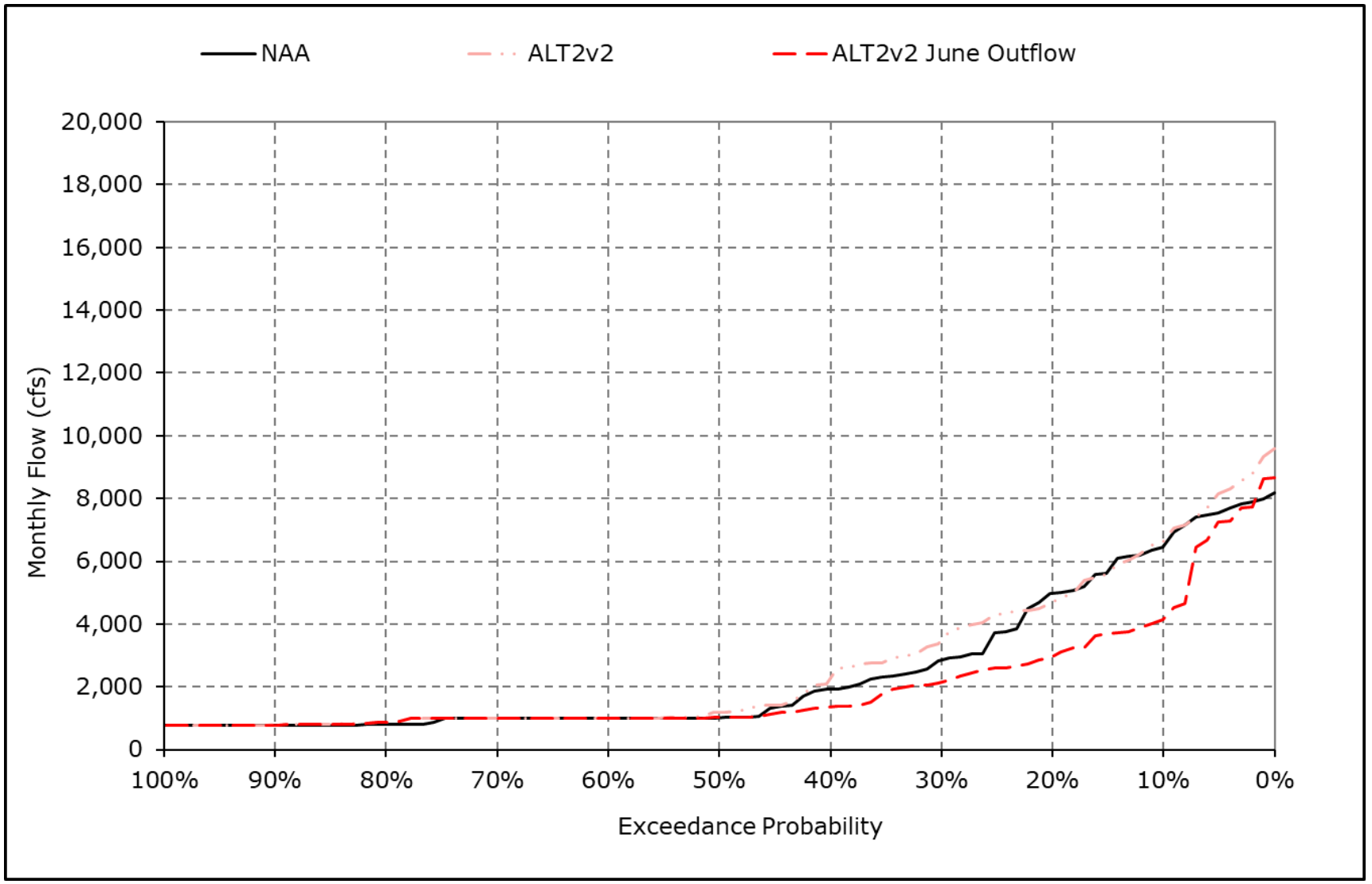
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-9-1c. Feather River at Sacramento River Confluence Flow, ALT2v2 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.2.2-9-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

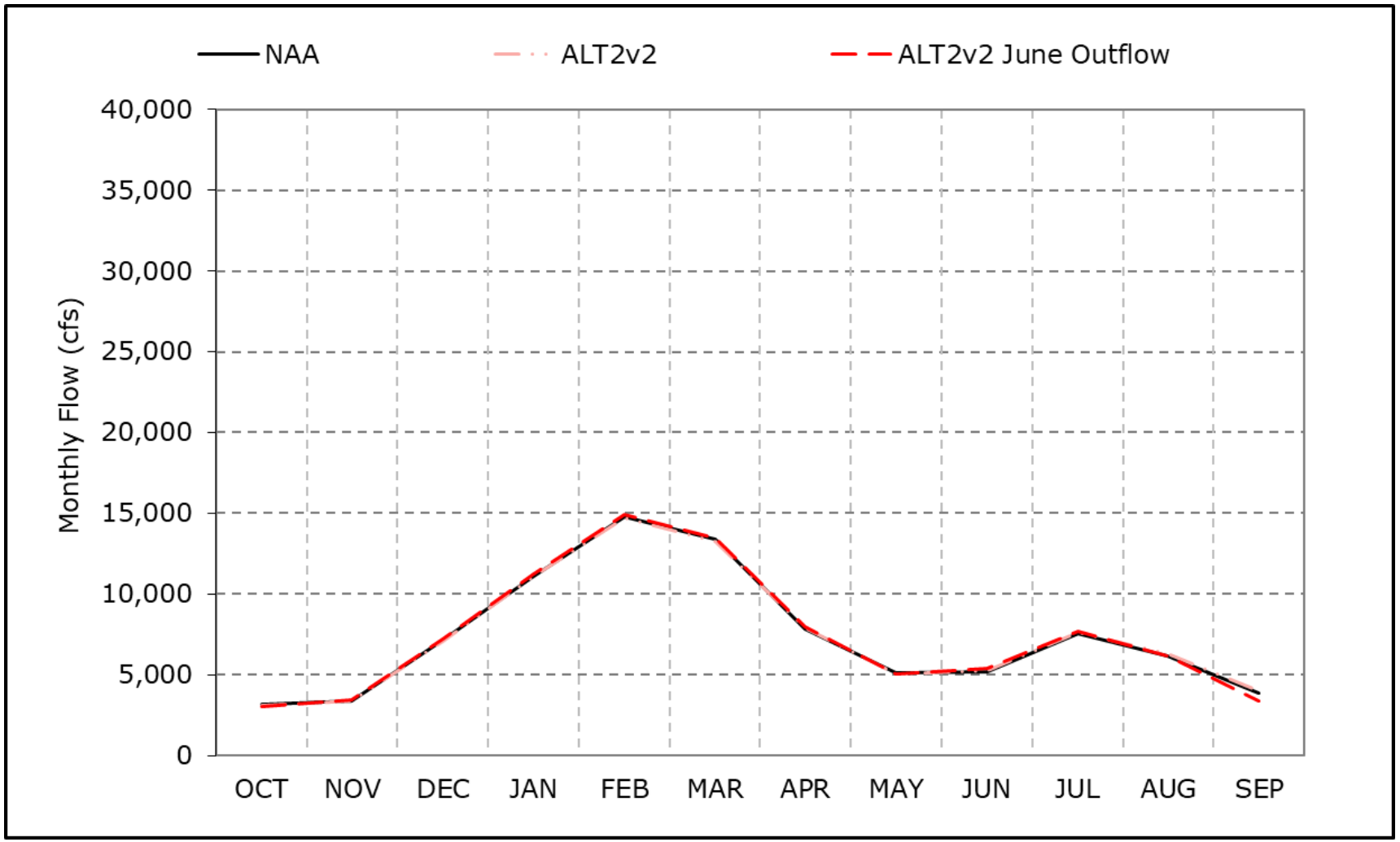
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,518	4,194	16,245	28,606	40,638	30,658	16,870	10,065	7,273	9,772	9,311	5,935
20% Exceedance	4,363	3,447	9,503	16,602	22,460	21,912	12,777	7,356	6,440	9,601	8,679	4,695
30% Exceedance	4,083	3,167	5,073	9,308	15,833	15,164	8,901	5,140	5,981	9,415	8,178	3,776
40% Exceedance	3,367	2,879	4,139	6,459	11,031	11,558	5,843	4,393	5,616	9,049	7,632	2,902
50% Exceedance	2,707	2,756	3,324	5,425	8,173	7,419	4,739	3,792	5,232	8,816	6,573	2,516
60% Exceedance	2,303	2,595	2,994	4,390	5,109	5,565	3,694	3,457	4,994	8,207	5,374	2,181
70% Exceedance	2,072	2,399	2,739	3,244	4,084	4,304	3,204	2,987	4,564	6,676	3,987	1,971
80% Exceedance	1,632	2,022	2,408	2,643	3,549	3,356	2,712	2,567	4,181	5,202	3,490	1,836
90% Exceedance	1,437	1,682	1,995	2,259	2,846	2,379	2,229	2,052	3,185	4,054	2,803	1,726
Full Simulation Period Average[a]	3,018	3,412	7,221	11,259	14,905	13,428	7,937	5,031	5,417	7,655	6,149	3,374
Wet Water Years (28%)	4,109	4,588	8,894	25,382	33,836	28,789	16,261	8,266	6,421	8,552	7,377	4,680
Above Normal Water Years (14%)	3,872	3,789	6,148	12,939	15,330	16,463	8,258	5,832	5,807	9,322	8,832	5,880
Below Normal Water Years (18%)	2,939	2,827	7,825	5,827	7,551	7,771	5,109	4,314	5,601	8,877	7,466	2,726
Dry Water Years (24%)	2,282	3,129	8,204	3,694	5,880	5,045	3,839	3,393	5,332	7,140	4,435	1,948
Critical Water Years (16%)	1,397	1,997	2,872	2,536	3,214	2,830	2,421	1,937	3,238	4,022	2,740	1,766

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

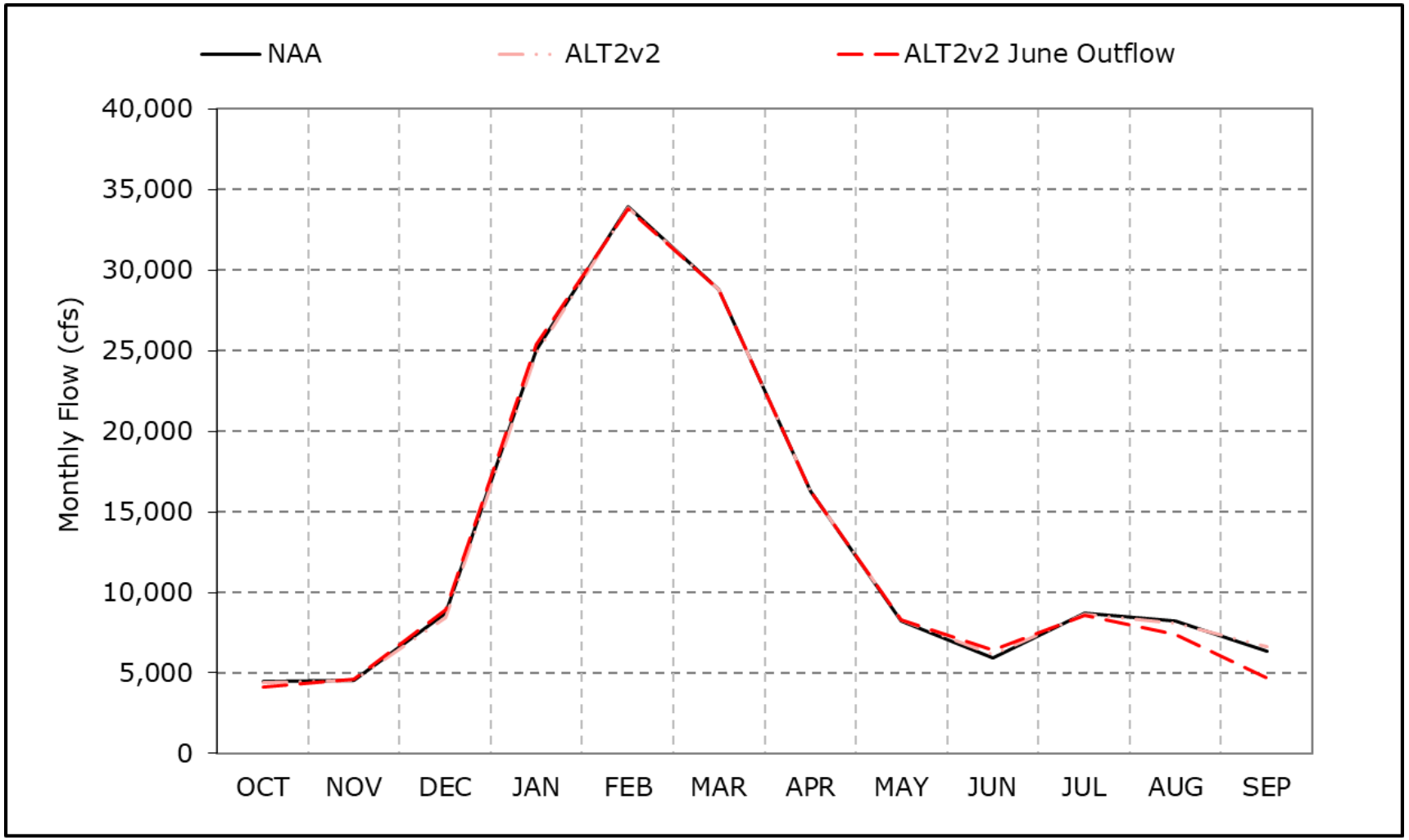
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-224	-59	766	1,652	374	811	-3	-2	-34	-171	-417	-2,398
20% Exceedance	-173	-62	2	787	-97	-541	2	34	62	-34	-602	-1,659
30% Exceedance	-300	55	-355	8	680	-489	63	-154	52	-140	-637	-597
40% Exceedance	-463	31	-75	-4	456	357	-9	-172	204	-267	-460	-410
50% Exceedance	-133	59	-66	-29	574	0	-5	-107	368	-186	62	-133
60% Exceedance	-38	79	9	96	30	-67	-46	-52	359	-320	1,112	3
70% Exceedance	-78	84	-3	30	61	26	-111	-287	155	686	621	50
80% Exceedance	-50	115	-19	27	40	70	311	-195	437	1,031	696	54
90% Exceedance	-19	10	-2	33	-2	22	800	279	307	796	325	95
Full Simulation Period Average[a]	-165	43	122	195	99	59	104	-64	202	114	-37	-459
Wet Water Years (28%)	-357	16	197	367	-125	-7	-1	17	504	-176	-829	-1,684
Above Normal Water Years (14%)	-196	132	42	589	331	-471	-85	-4	269	-230	-570	16
Below Normal Water Years (18%)	113	24	-7	-50	492	517	-13	-518	83	102	821	-80
Dry Water Years (24%)	-5	54	254	-23	-25	-9	-35	-46	-284	149	286	-19
Critical Water Years (16%)	-363	8	7	154	31	223	794	229	481	885	365	184

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



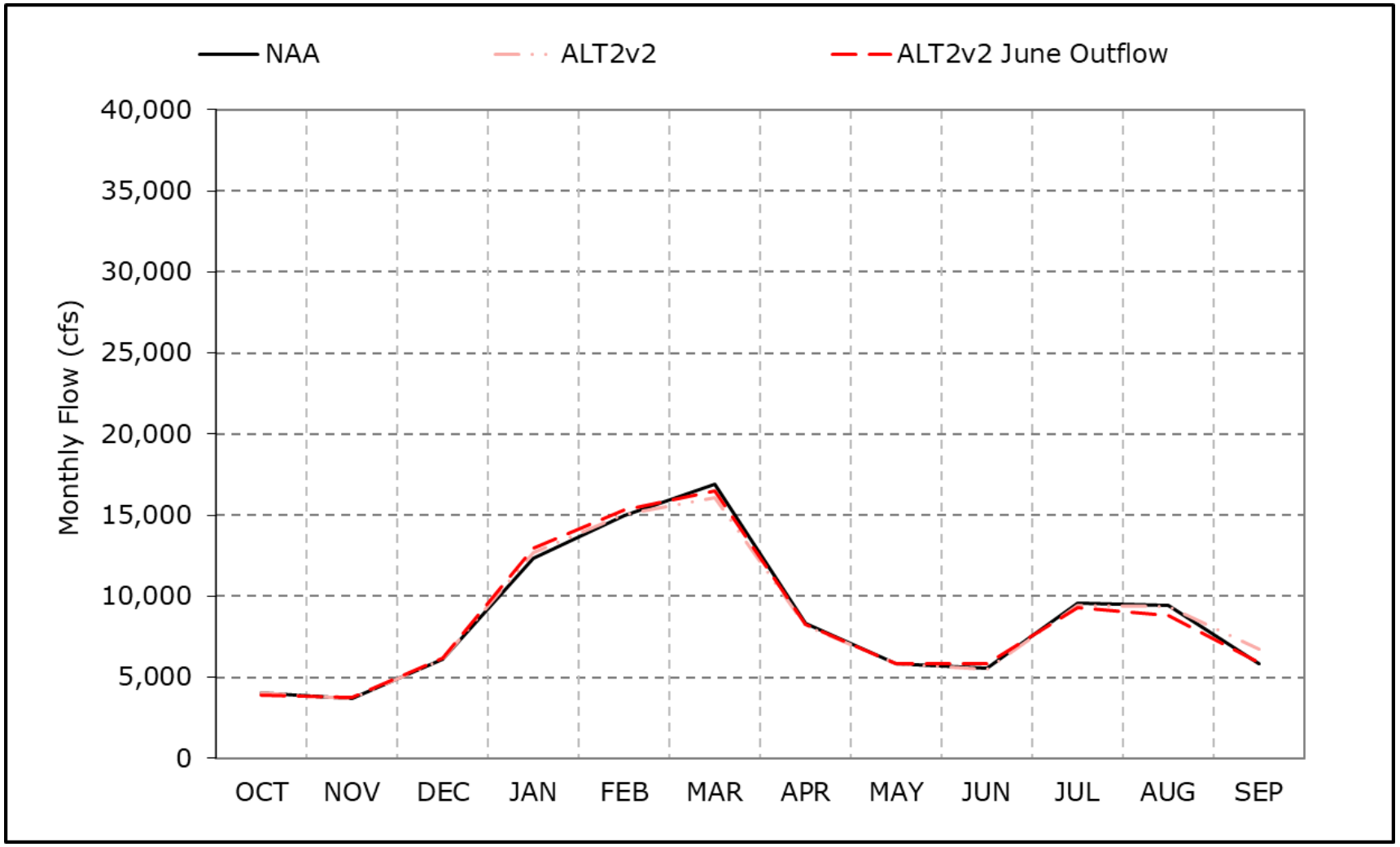
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-1. Feather River at Sacramento River Confluence Flow, Long-Term Average Flow



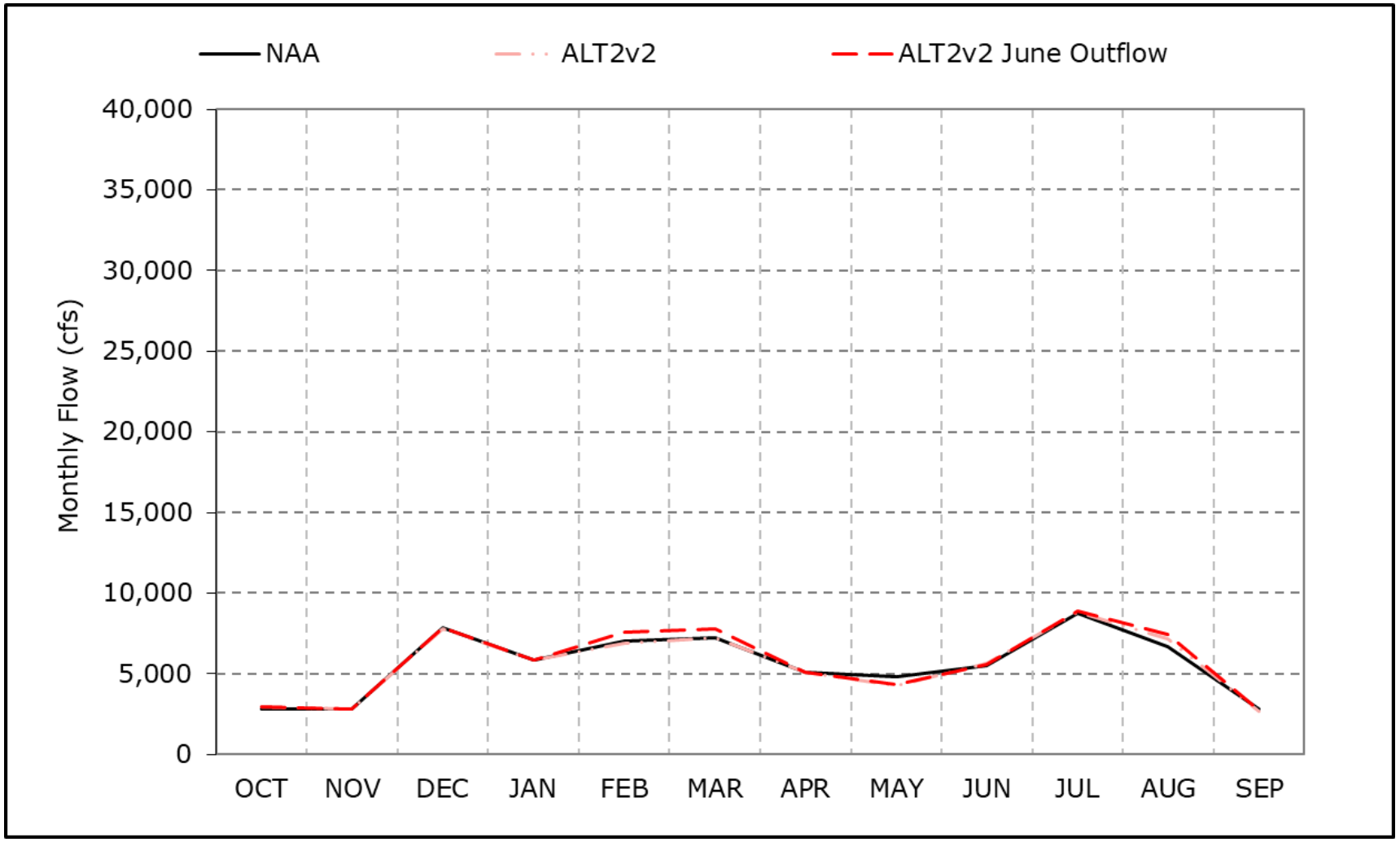
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-2. Feather River at Sacramento River Confluence Flow, Wet Year Average Flow



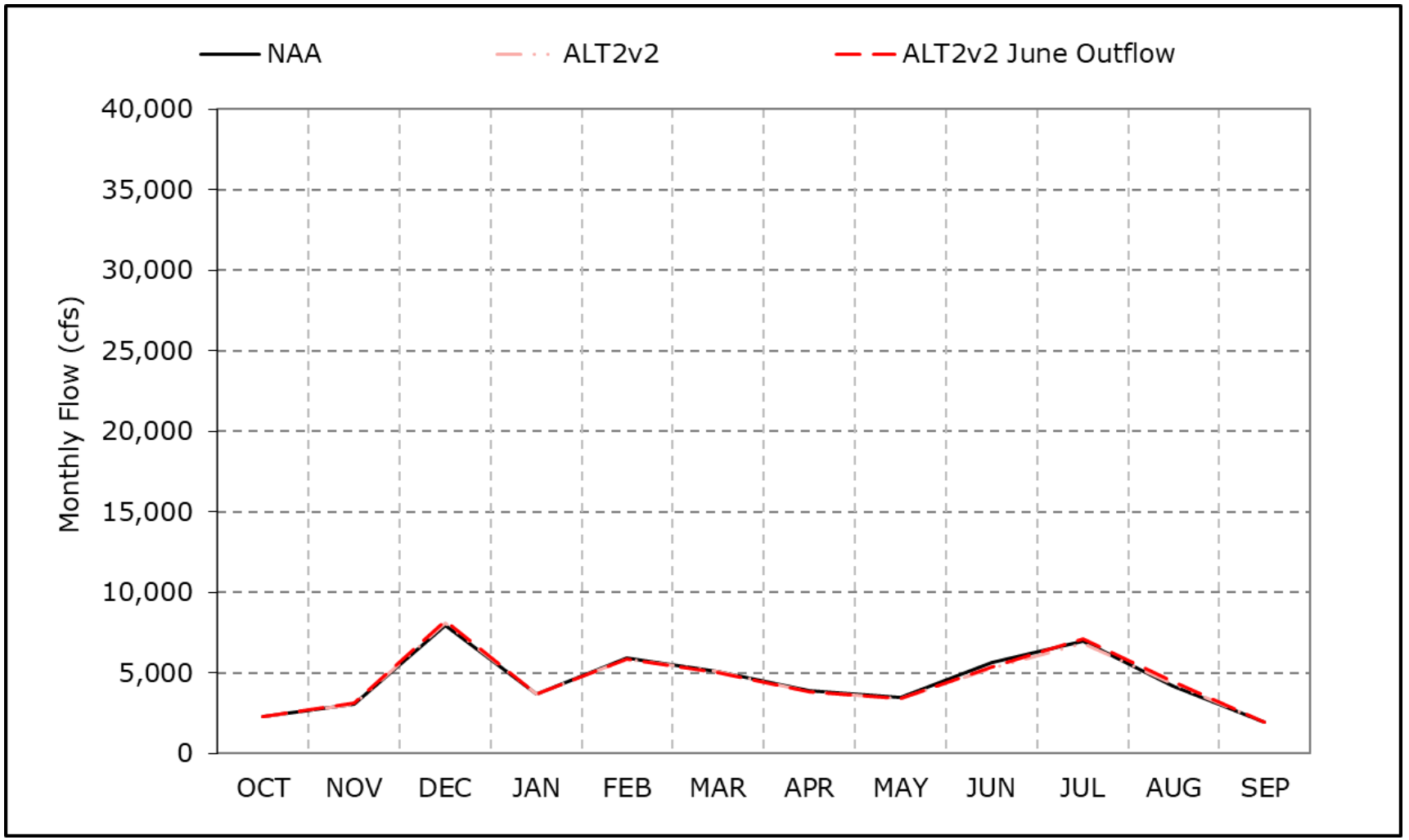
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-3. Feather River at Sacramento River Confluence Flow, Above Normal Year Average Flow



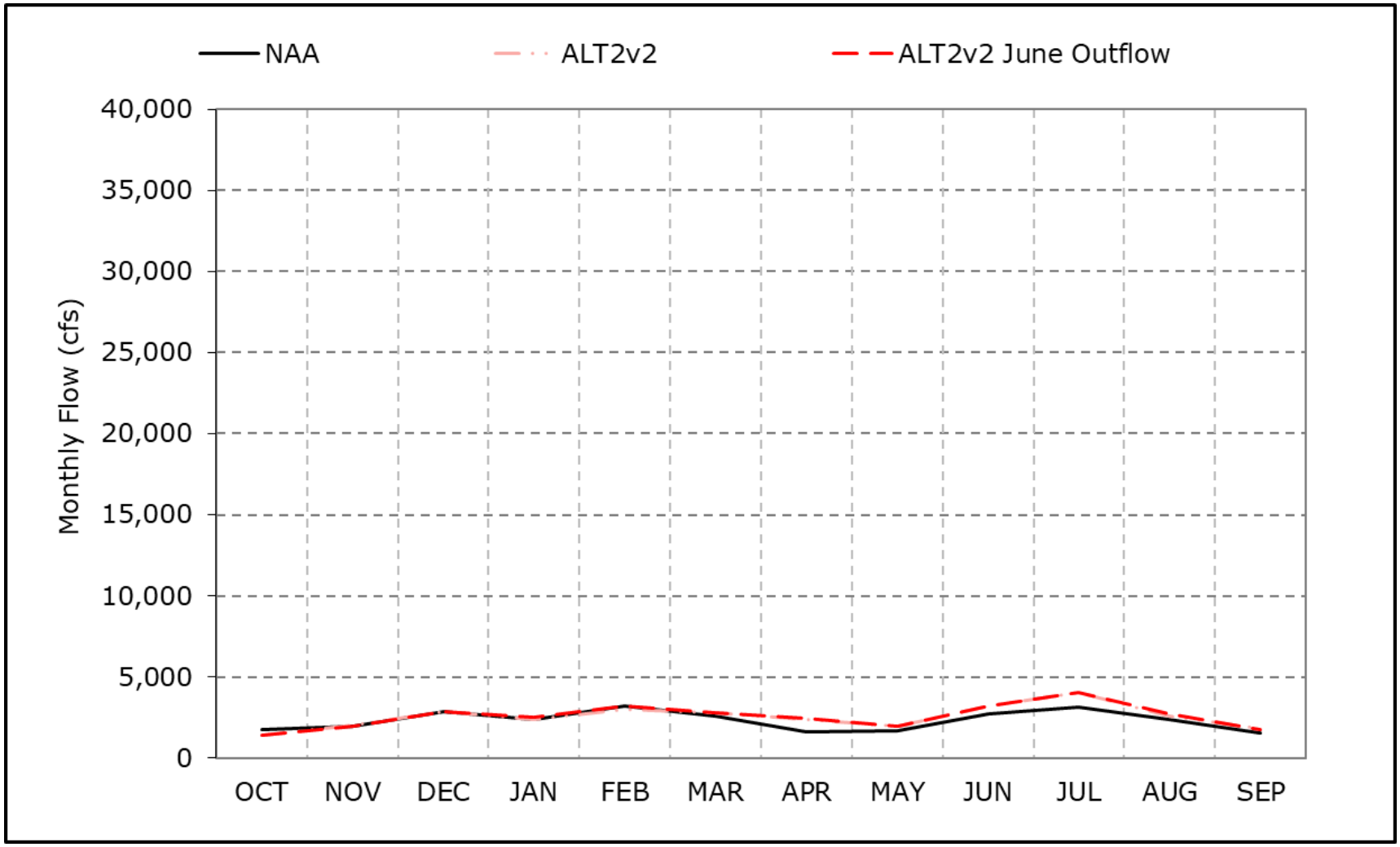
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-4. Feather River at Sacramento River Confluence Flow, Below Normal Year Average Flow



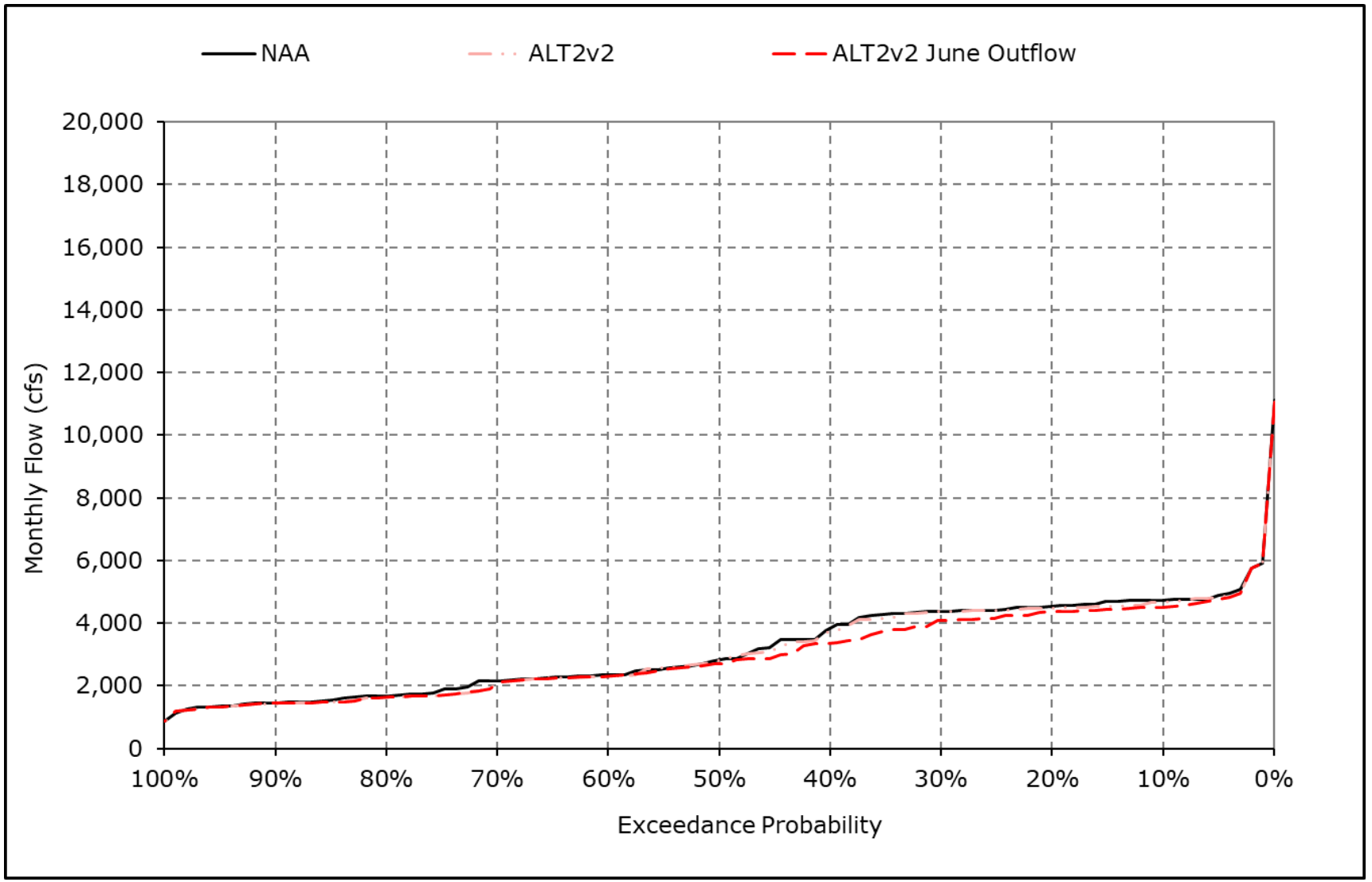
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-5. Feather River at Sacramento River Confluence Flow, Dry Year Average Flow



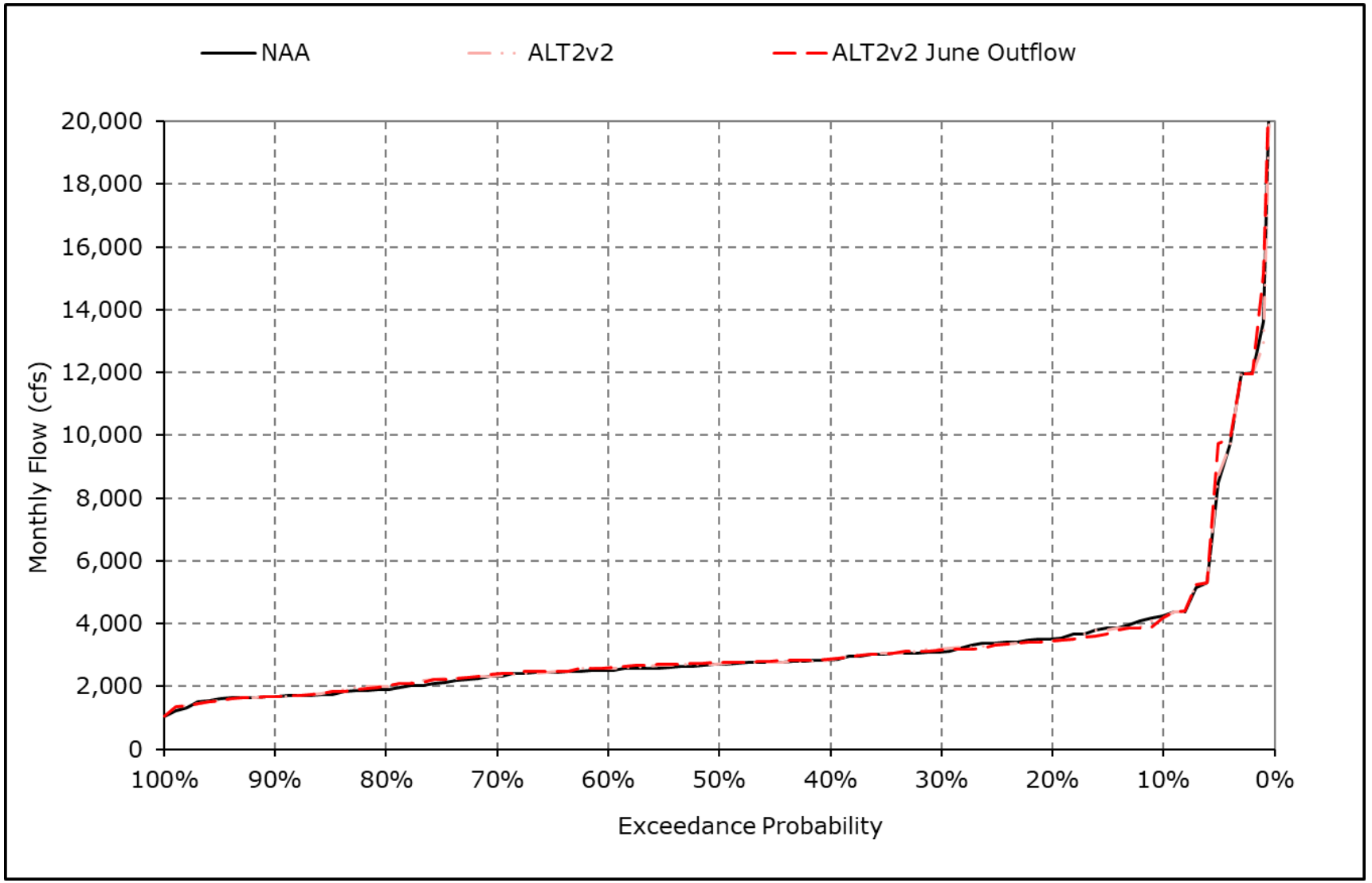
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-9-6. Feather River at Sacramento River Confluence Flow, Critical Year Average Flow



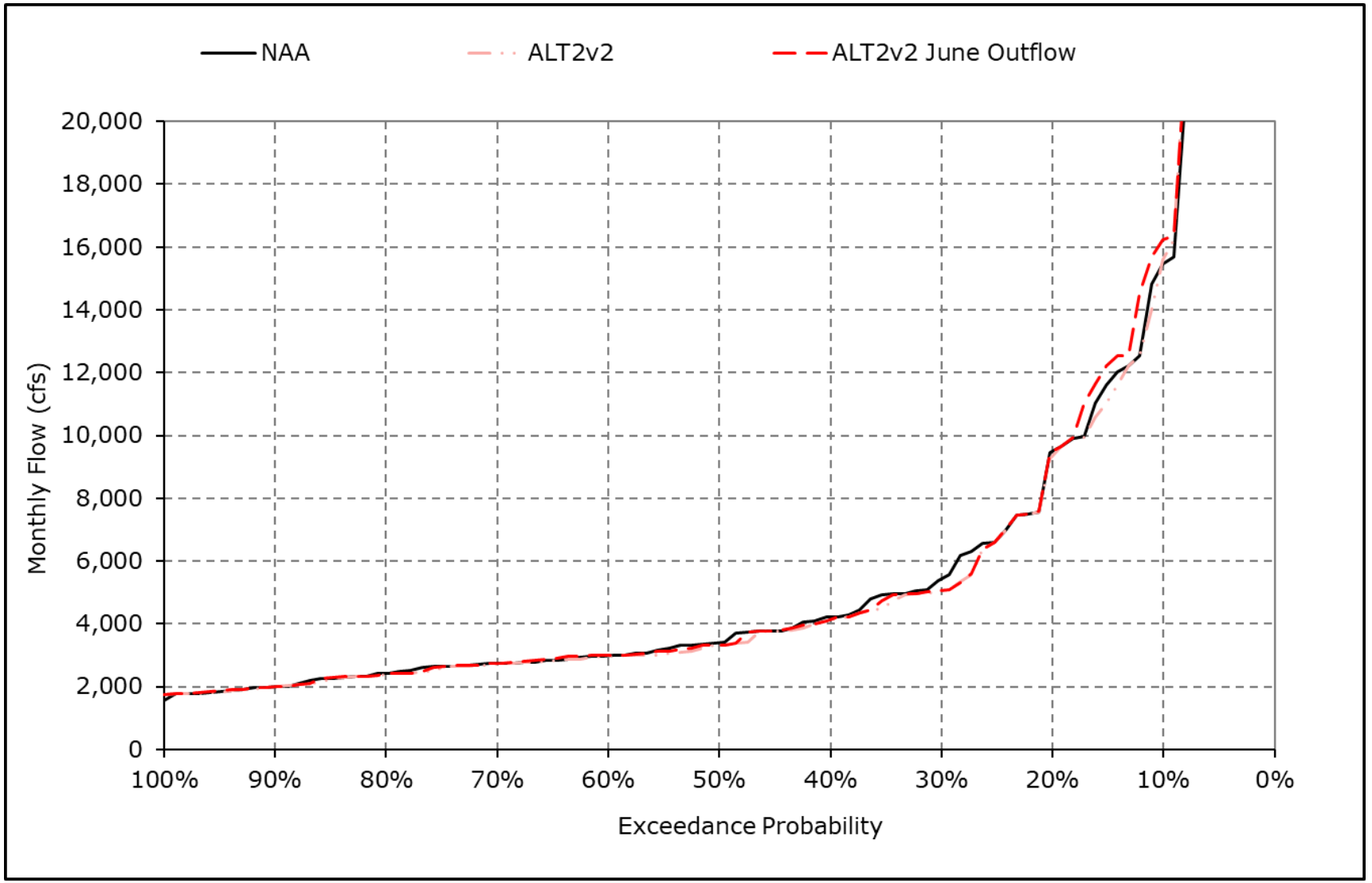
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-7. Feather River at Sacramento River Confluence Flow, October



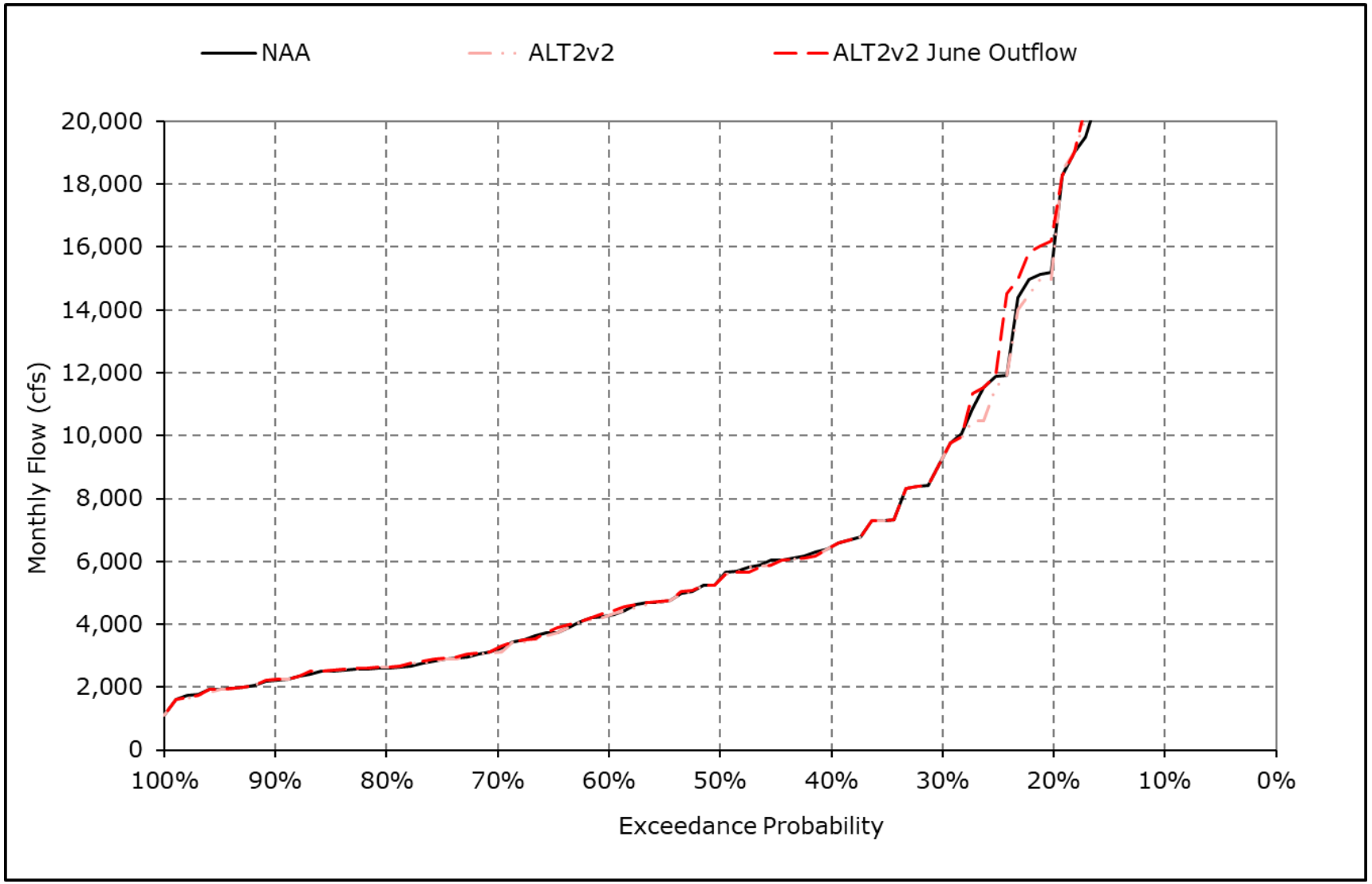
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-8. Feather River at Sacramento River Confluence Flow, November



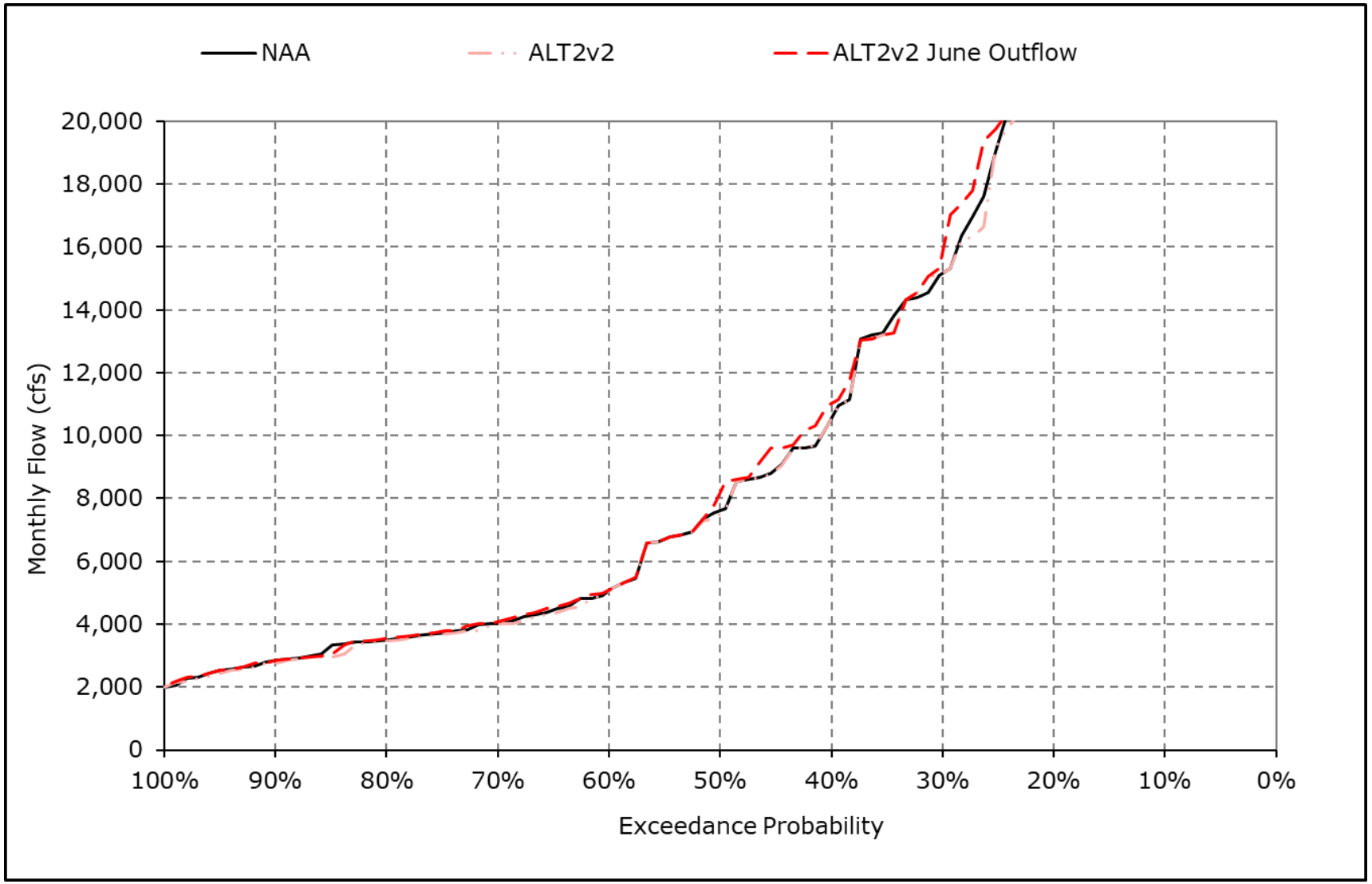
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-9. Feather River at Sacramento River Confluence Flow, December



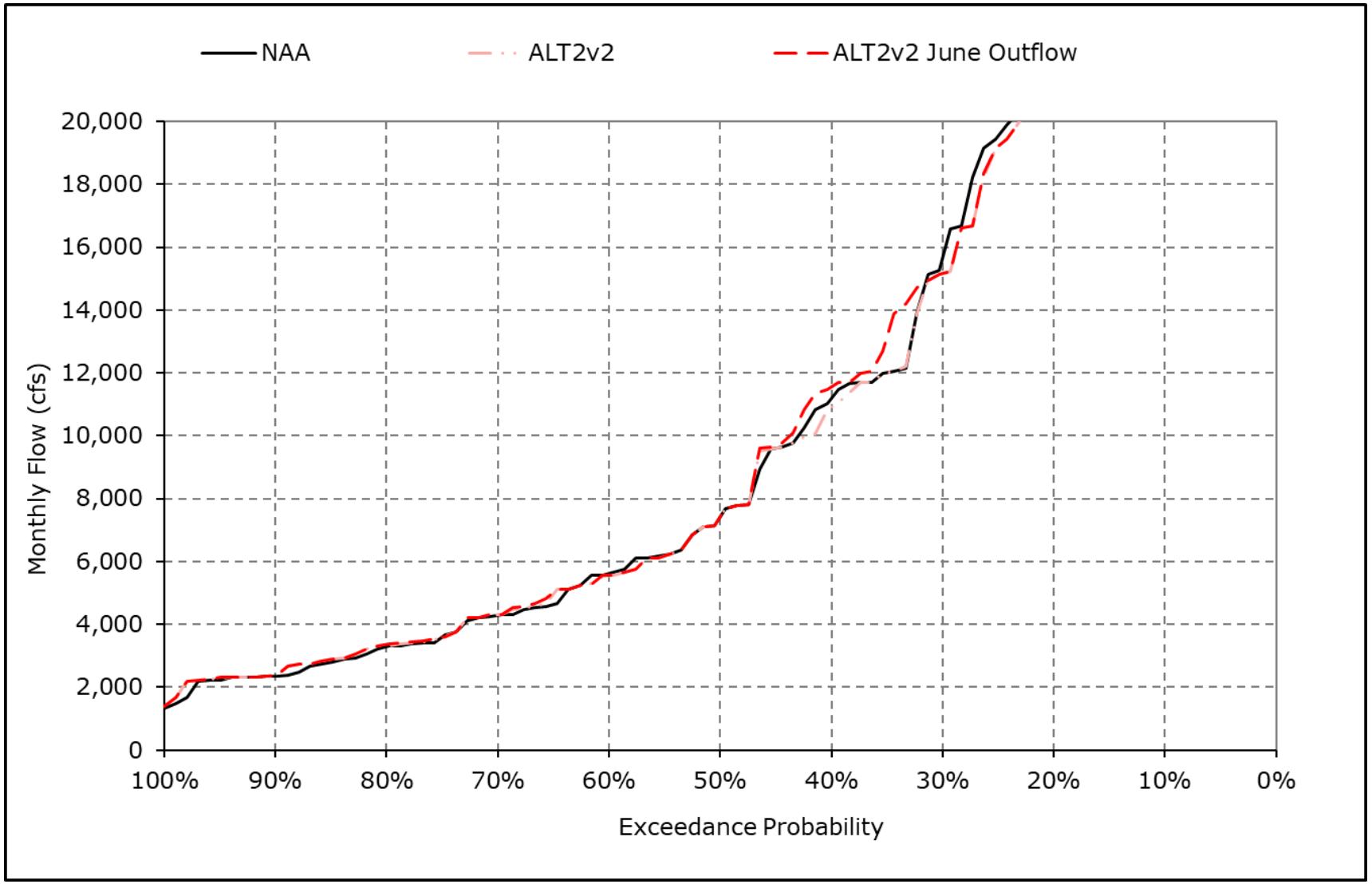
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-10. Feather River at Sacramento River Confluence Flow, January



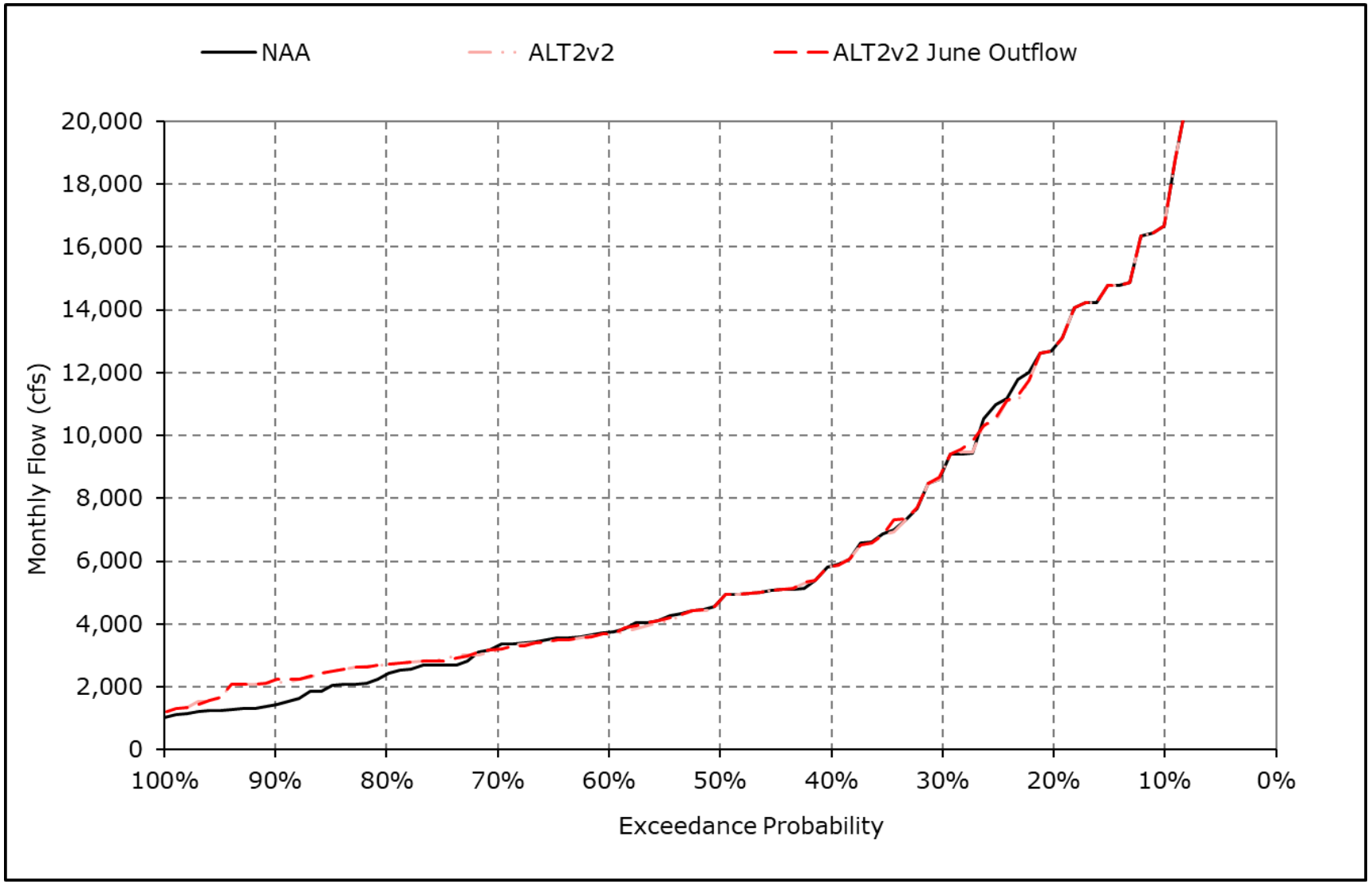
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-11. Feather River at Sacramento River Confluence Flow, February



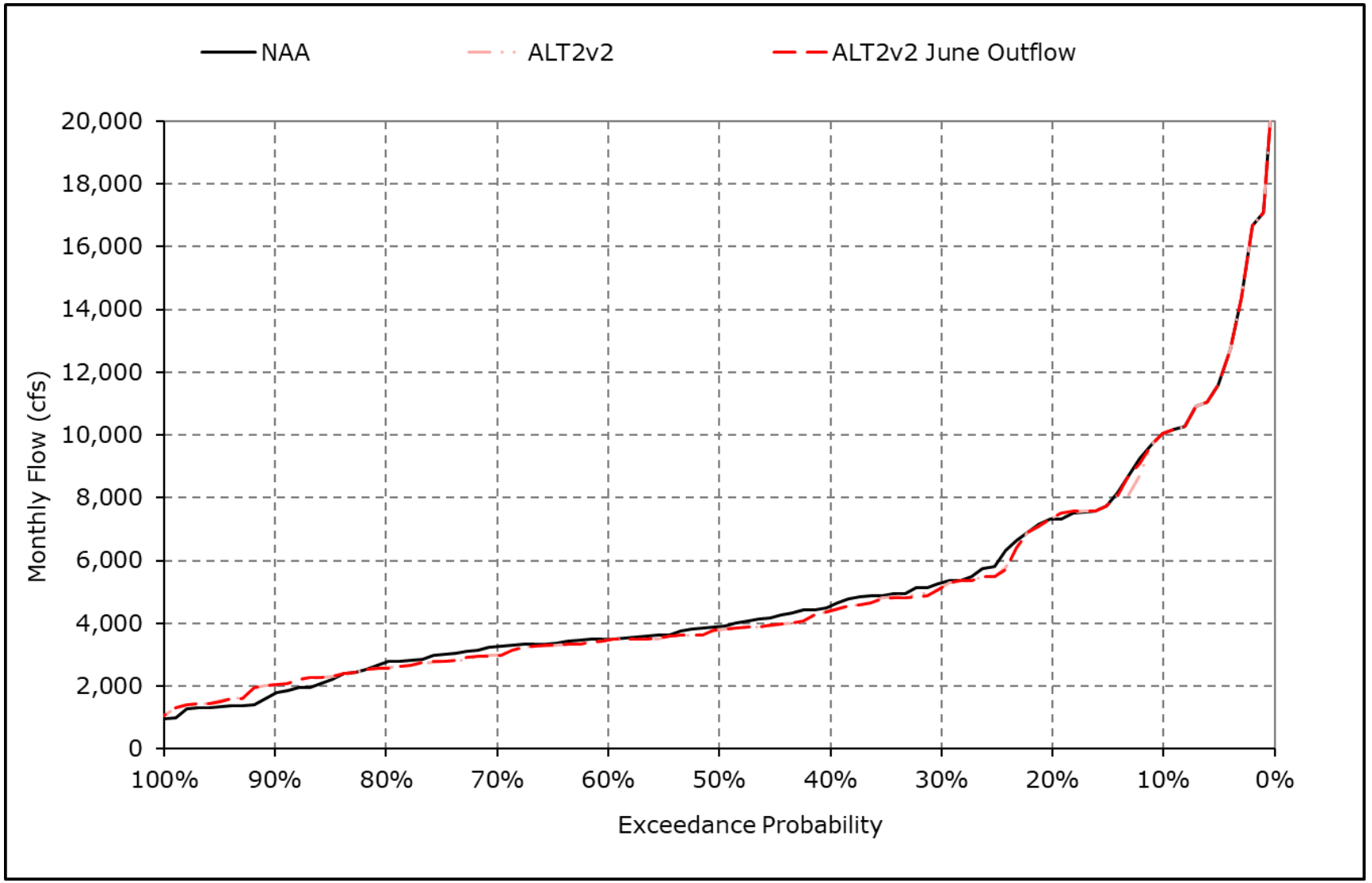
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-12. Feather River at Sacramento River Confluence Flow, March



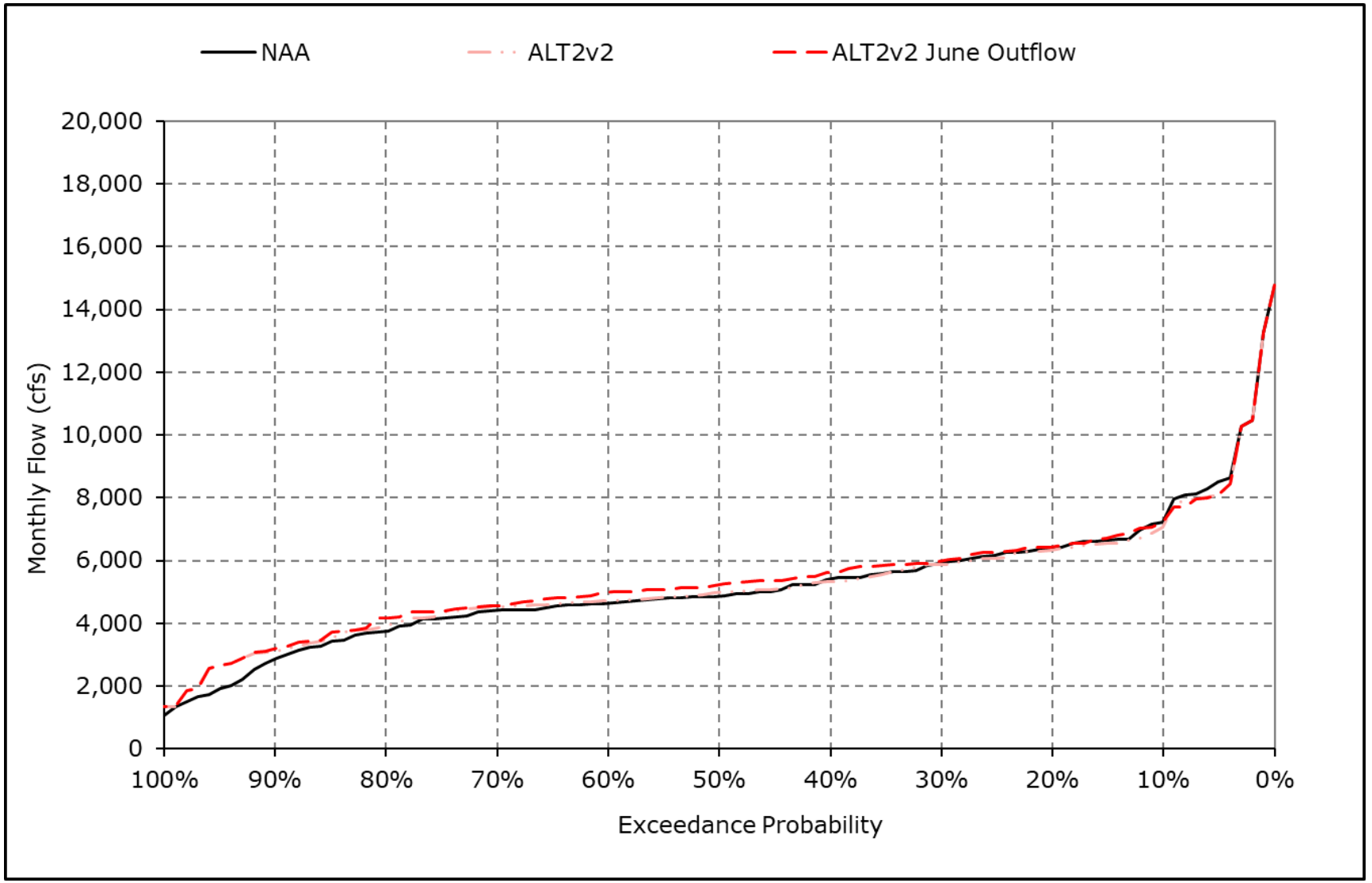
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-13. Feather River at Sacramento River Confluence Flow, April



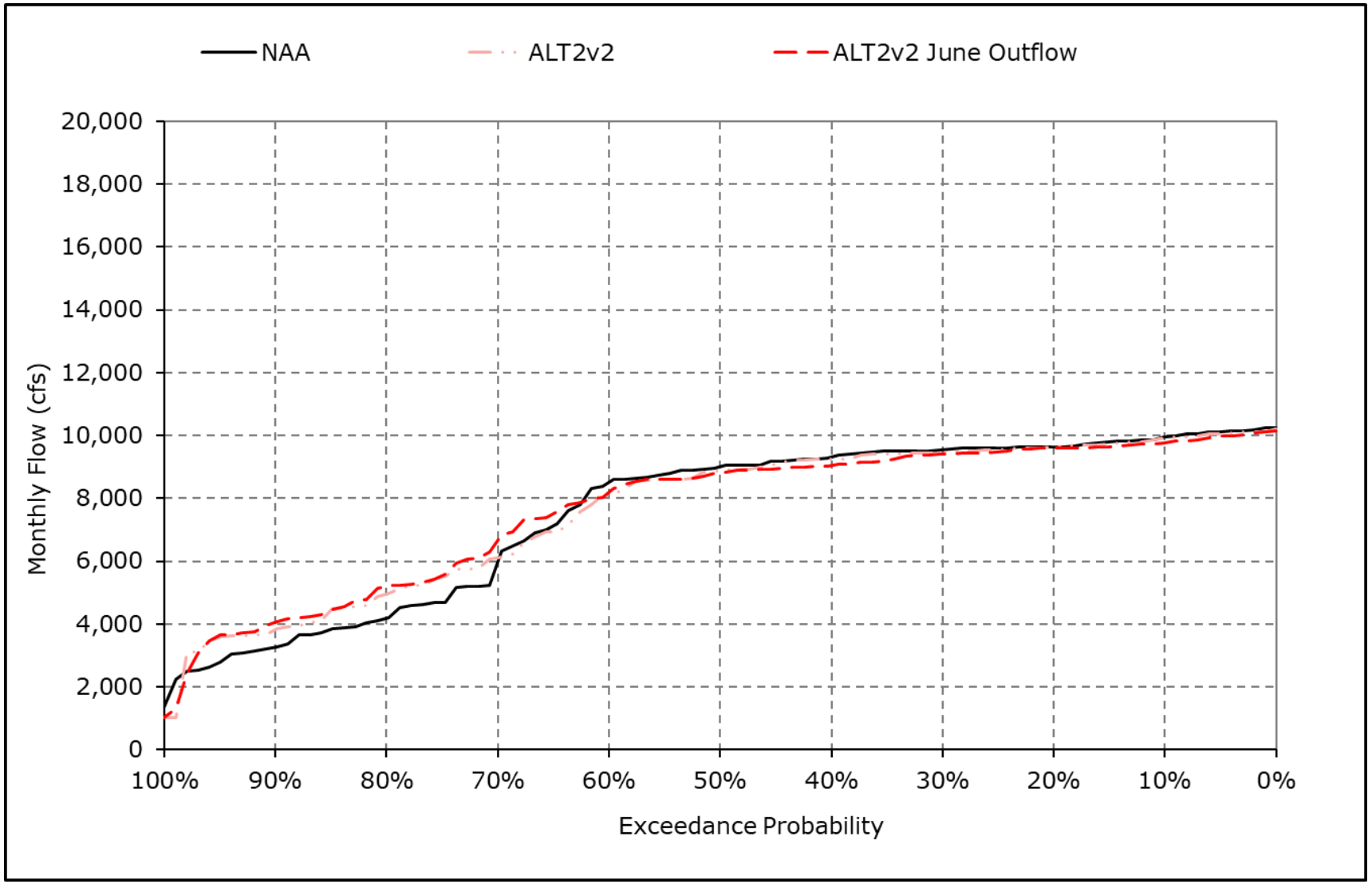
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-14. Feather River at Sacramento River Confluence Flow, May



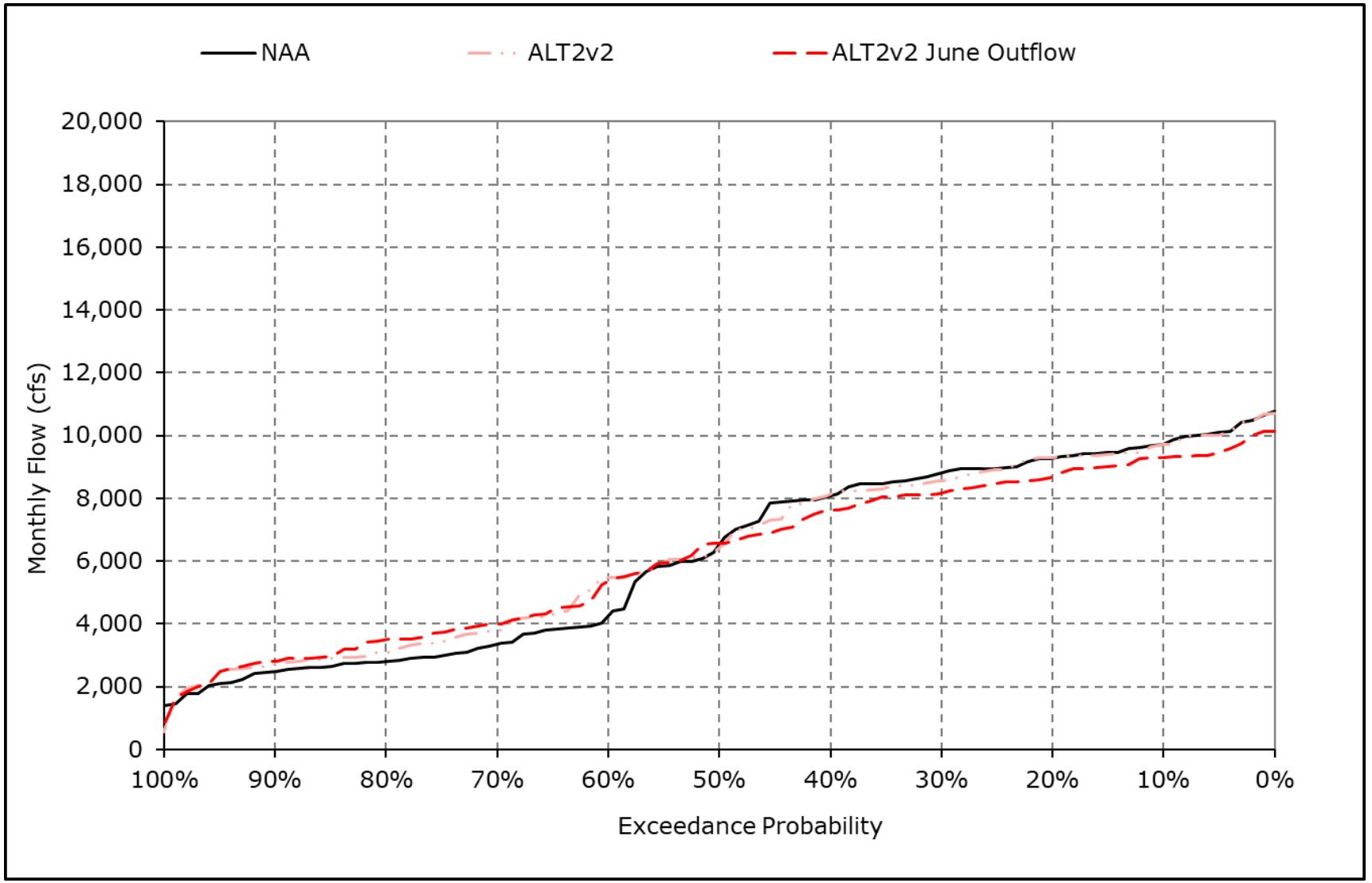
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-9-15. Feather River at Sacramento River Confluence Flow, June



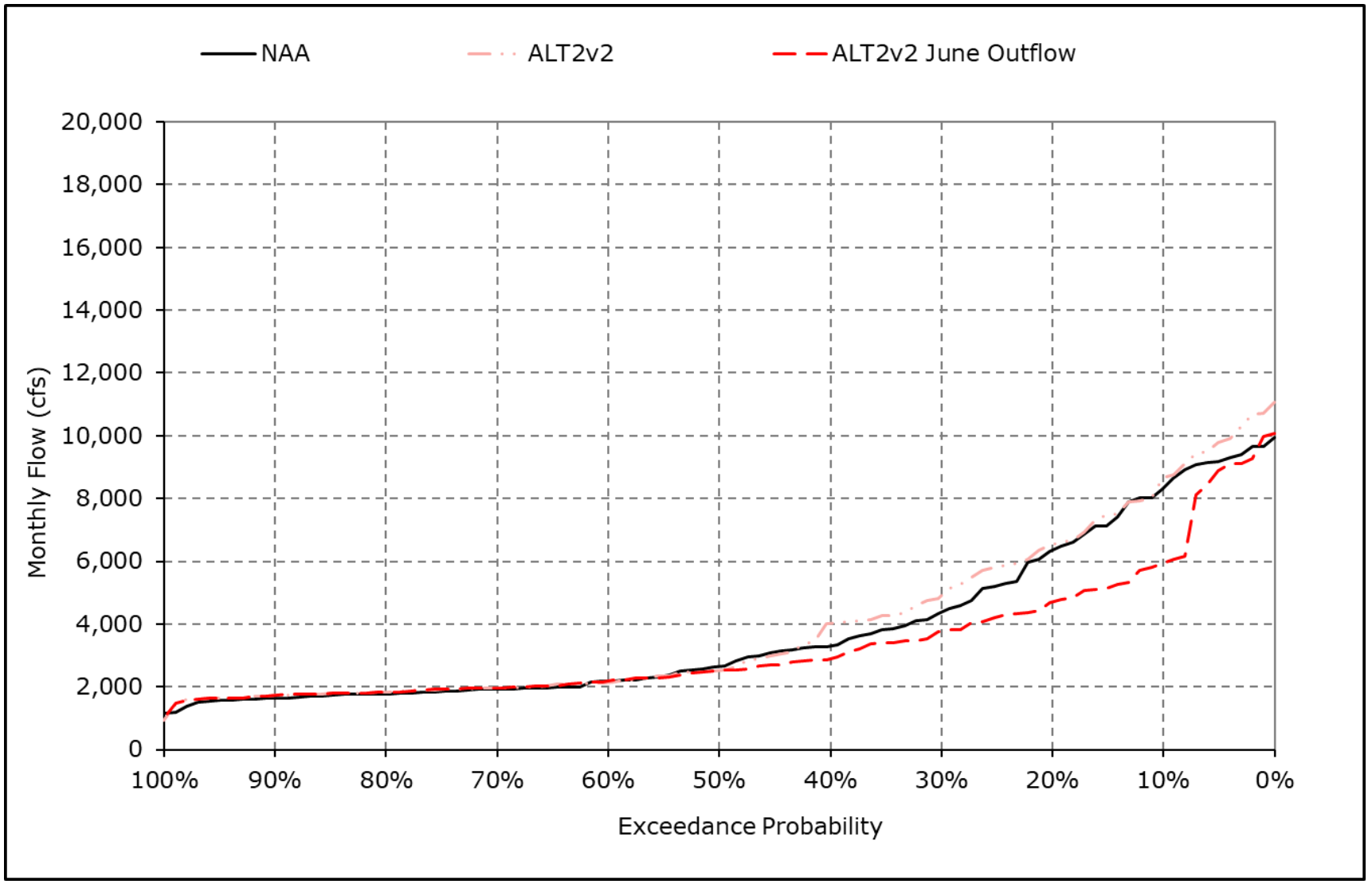
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-10-1c. Fremont Weir Spills, ALT2v2 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.2.2-10-2a. 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, ALT2v2 June Outflow, Monthly Spills (cfs)

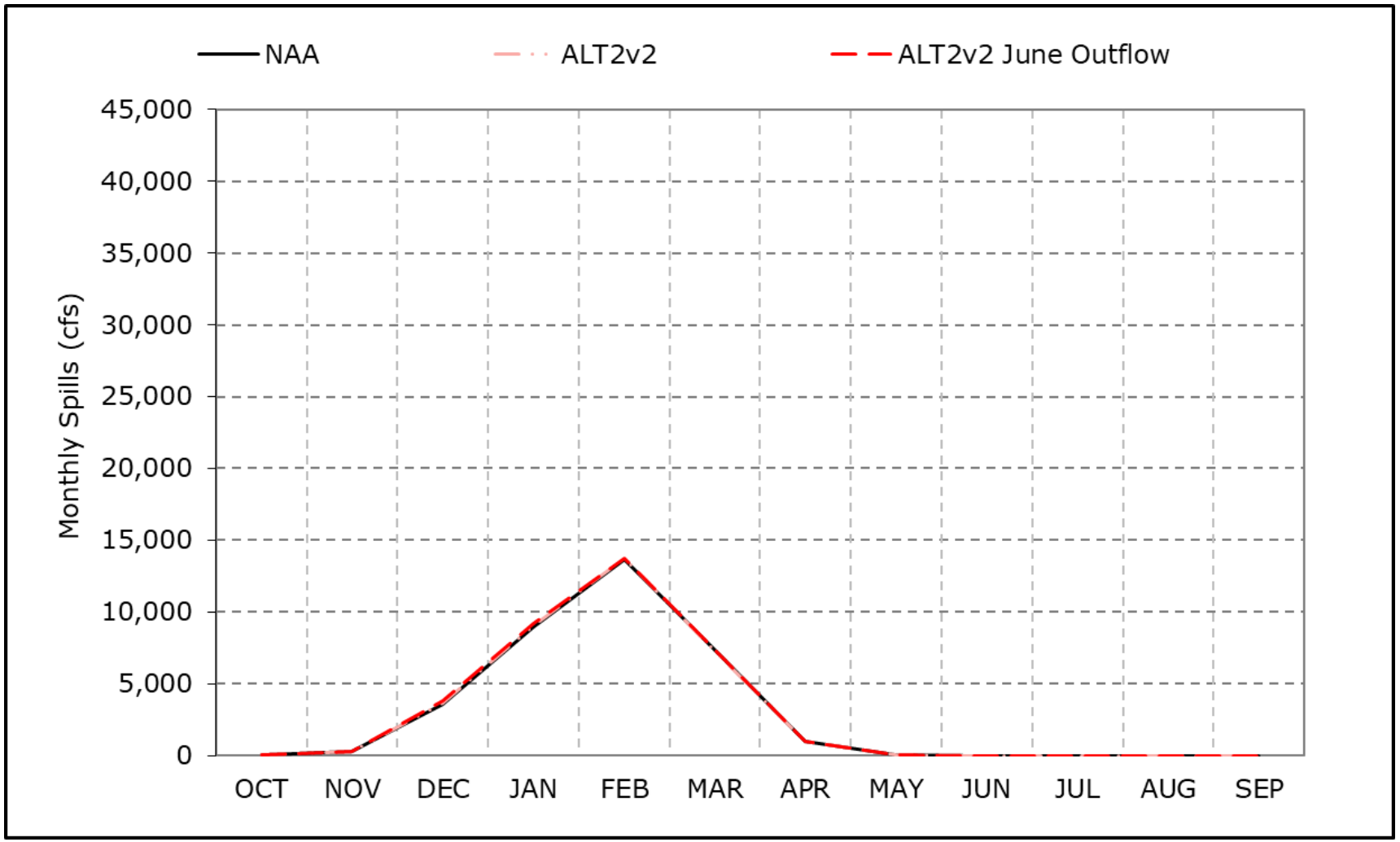
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	209	11,540	29,686	51,427	21,586	20	0	0	0	0	0
20% Exceedance	0	18	3,162	10,188	16,971	5,665	0	0	0	0	0	0
30% Exceedance	0	5	1,032	2,642	6,478	2,670	0	0	0	0	0	0
40% Exceedance	0	0	223	1,649	3,445	1,103	0	0	0	0	0	0
50% Exceedance	0	0	107	715	1,687	450	0	0	0	0	0	0
60% Exceedance	0	0	21	205	639	268	0	0	0	0	0	0
70% Exceedance	0	0	5	48	261	84	0	0	0	0	0	0
80% Exceedance	0	0	0	19	61	16	0	0	0	0	0	0
90% Exceedance	0	0	0	6	17	0	0	0	0	0	0	0
Full Simulation Period Average[a]	43	279	3,782	9,198	13,761	7,307	953	14	0	0	0	0
Wet Water Years (28%)	0	490	5,201	27,511	39,486	21,538	3,397	11	0	0	0	0
Above Normal Water Years (14%)	0	458	1,516	8,314	12,943	7,442	0	0	0	0	0	0
Below Normal Water Years (18%)	0	55	3,749	1,396	1,771	719	12	58	0	0	0	0
Dry Water Years (24%)	179	261	5,760	232	2,220	401	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	148	259	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.2.2-10-2c. Fremont Weir Spills, ALT2v2 June Outflow minus No Action Alternative, Monthly Spills (cfs)

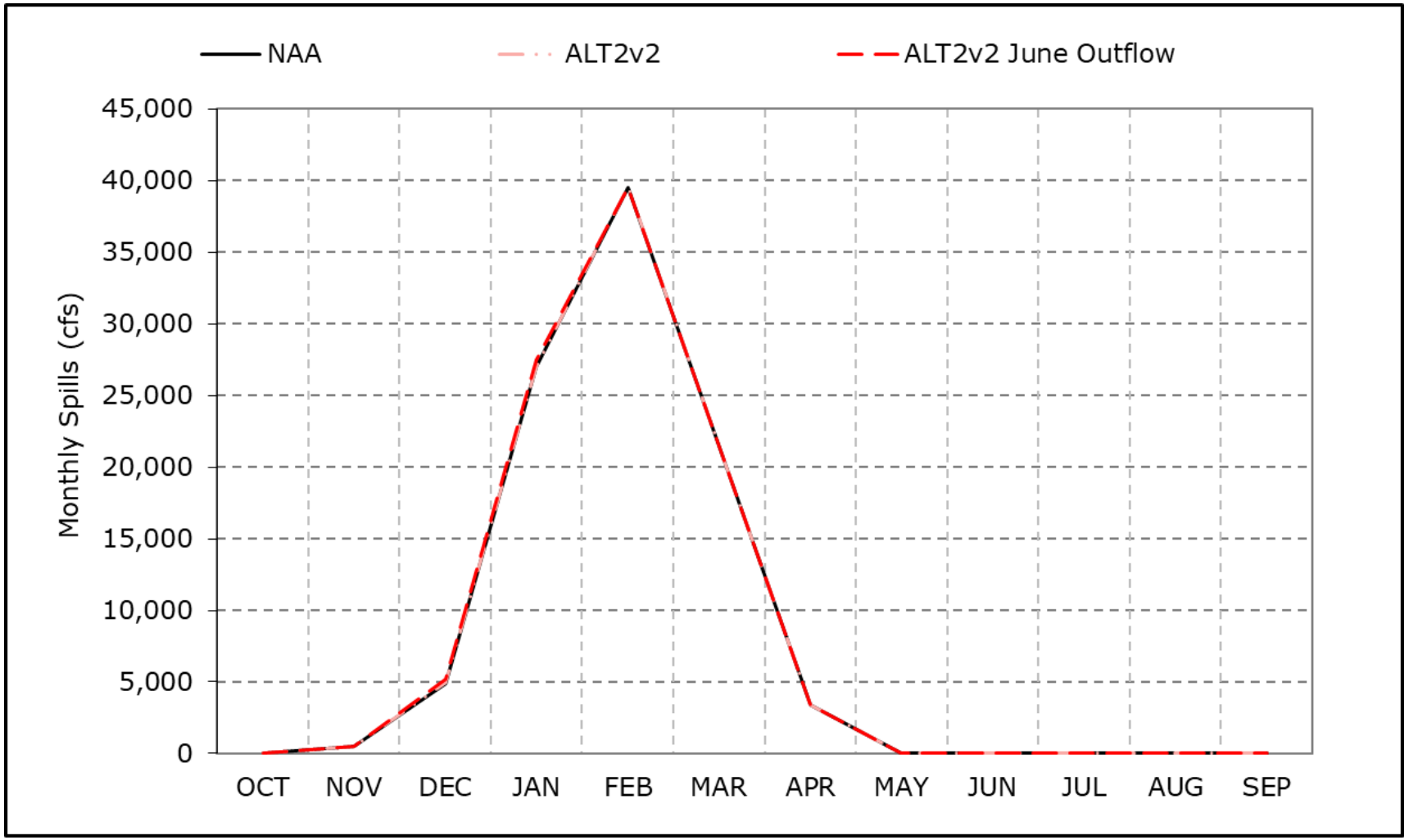
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	67	257	2,554	350	545	-6	0	0	0	0	0
20% Exceedance	0	1	340	327	593	-236	0	0	0	0	0	0
30% Exceedance	0	0	25	84	142	-30	0	0	0	0	0	0
40% Exceedance	0	0	24	-1	4	2	0	0	0	0	0	0
50% Exceedance	0	0	3	-50	203	-1	0	0	0	0	0	0
60% Exceedance	0	0	1	3	5	90	0	0	0	0	0	0
70% Exceedance	0	0	0	-5	1	21	0	0	0	0	0	0
80% Exceedance	0	0	0	2	-6	3	0	0	0	0	0	0
90% Exceedance	0	0	0	2	3	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-6	28	184	200	80	-36	-1	3	0	0	0	0
Wet Water Years (28%)	0	21	283	485	-21	-5	-1	0	0	0	0	0
Above Normal Water Years (14%)	0	119	117	468	167	-304	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	7	17	-11	217	44	0	15	0	0	0	0
Dry Water Years (24%)	-24	11	351	3	97	1	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	3	-2	-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.



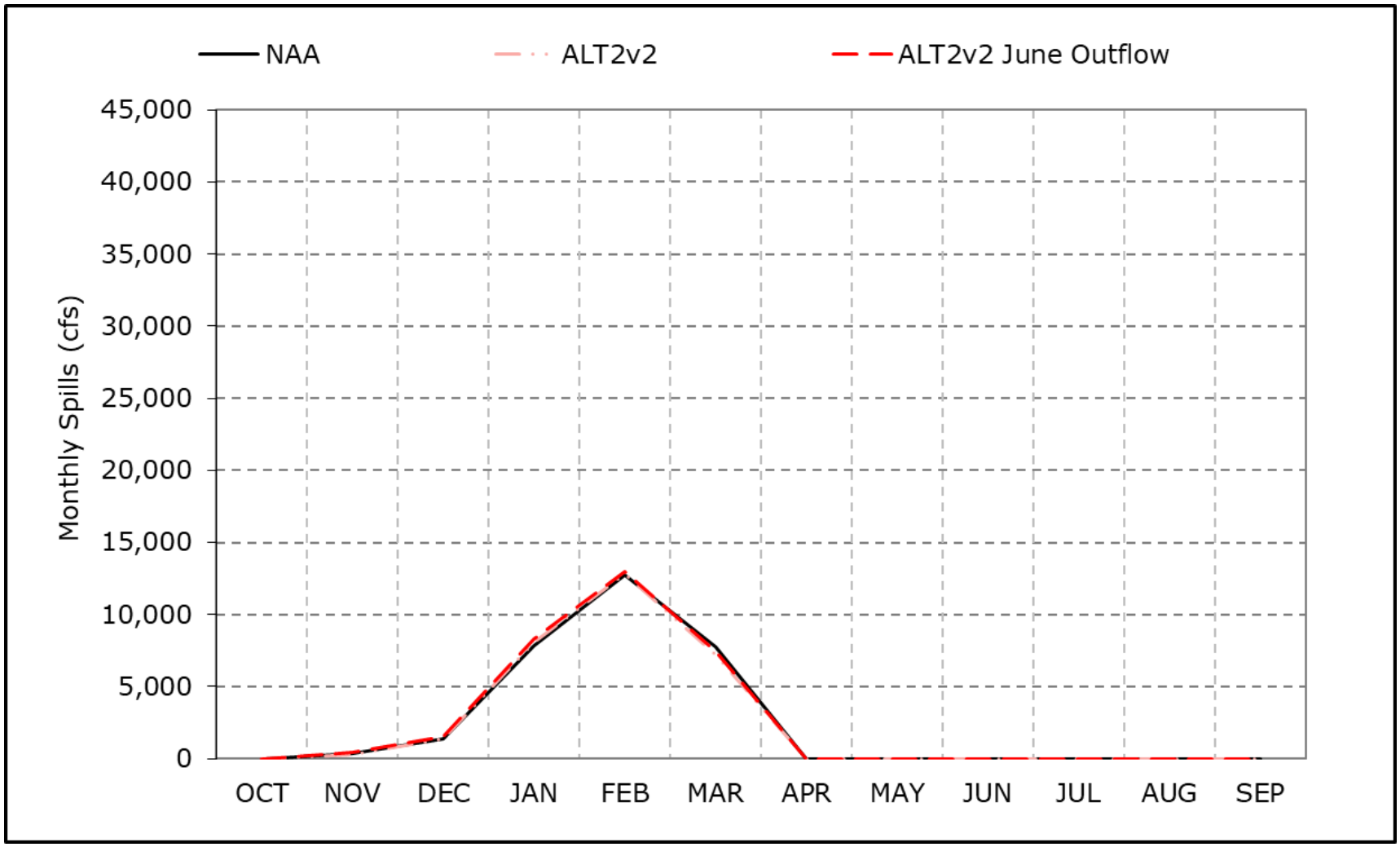
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-1. Fremont Weir Spills, Long-Term Average Spills



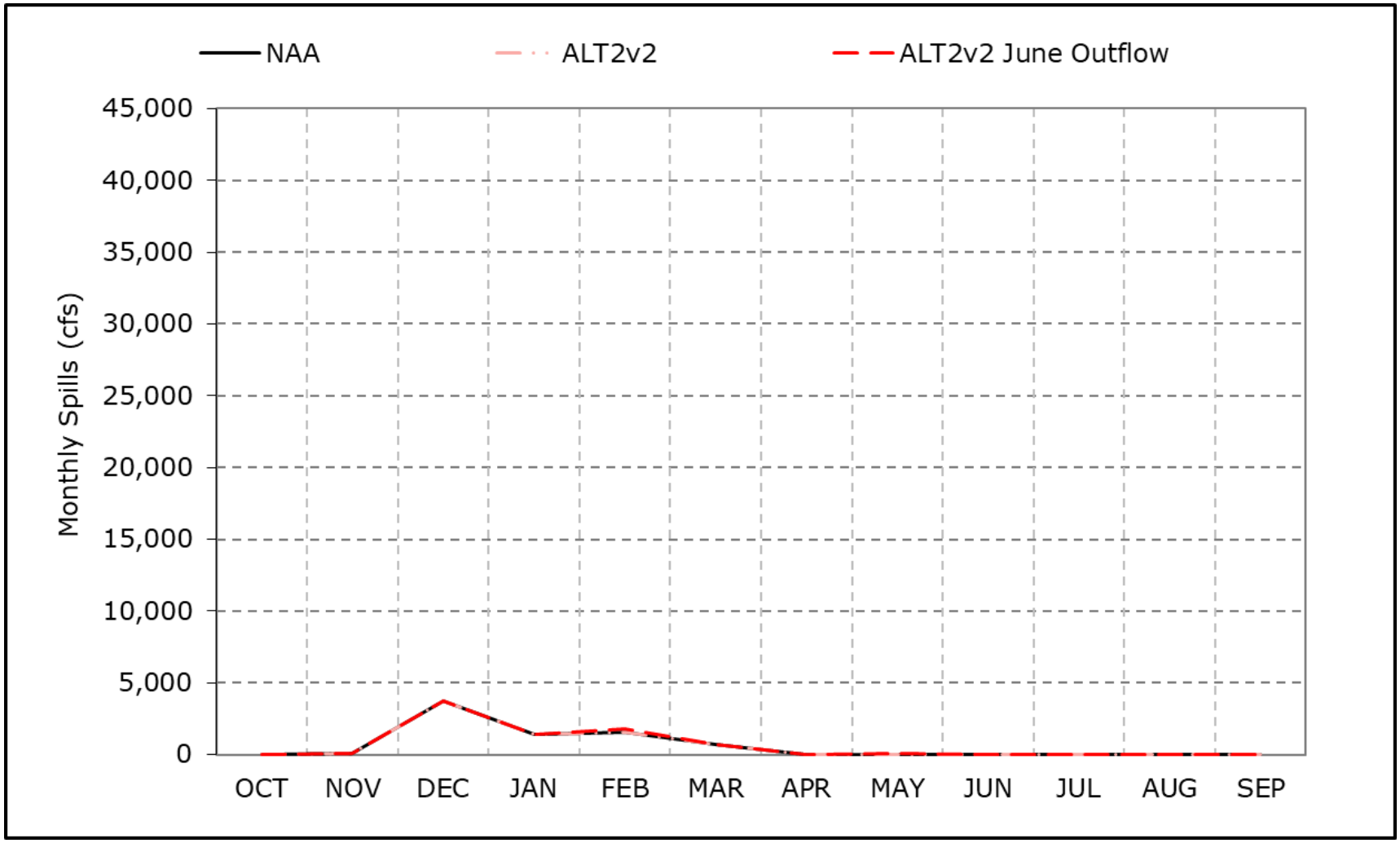
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-2. Fremont Weir Spills, Wet Year Average Spills



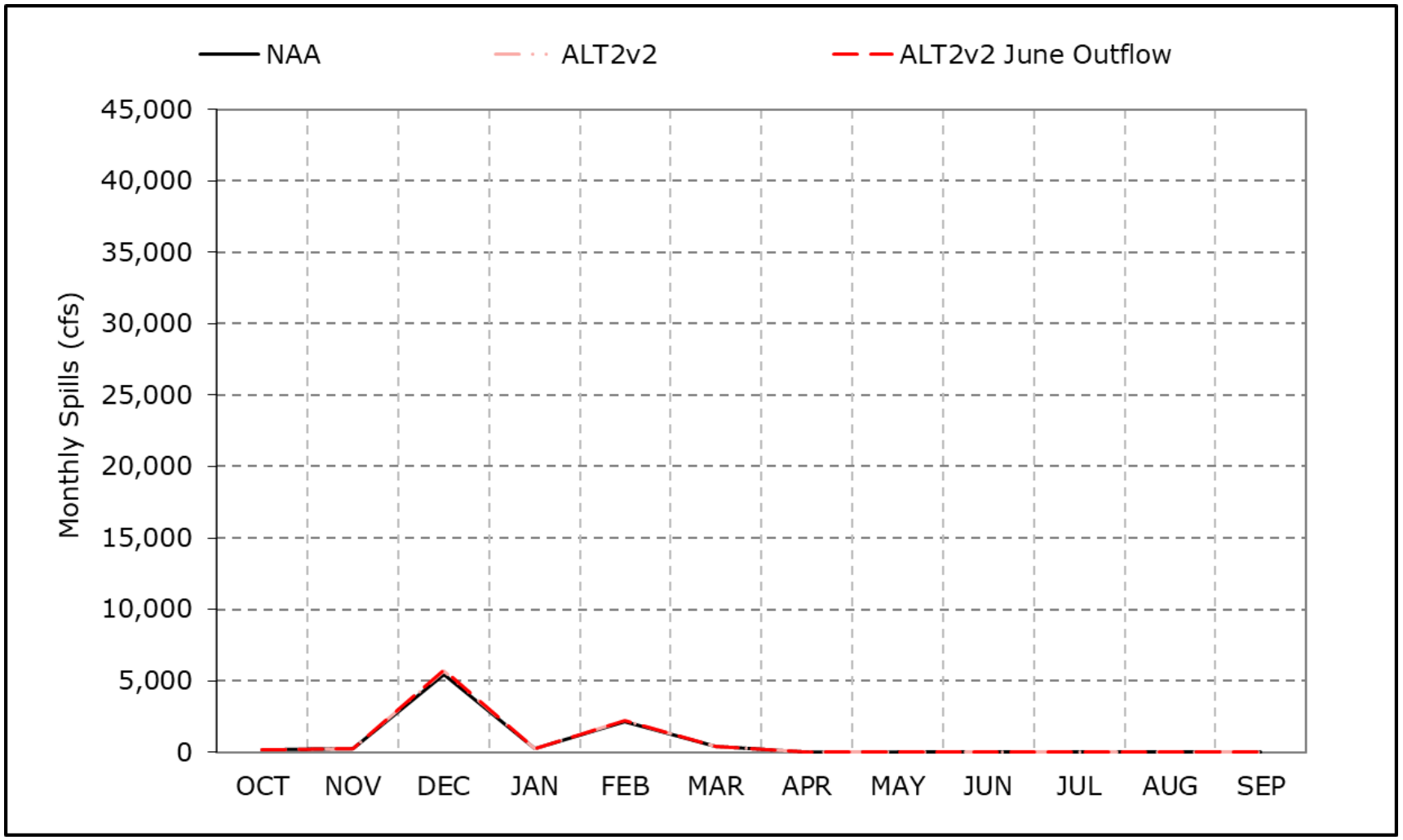
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-3. Fremont Weir Spills, Above Normal Year Average Spills



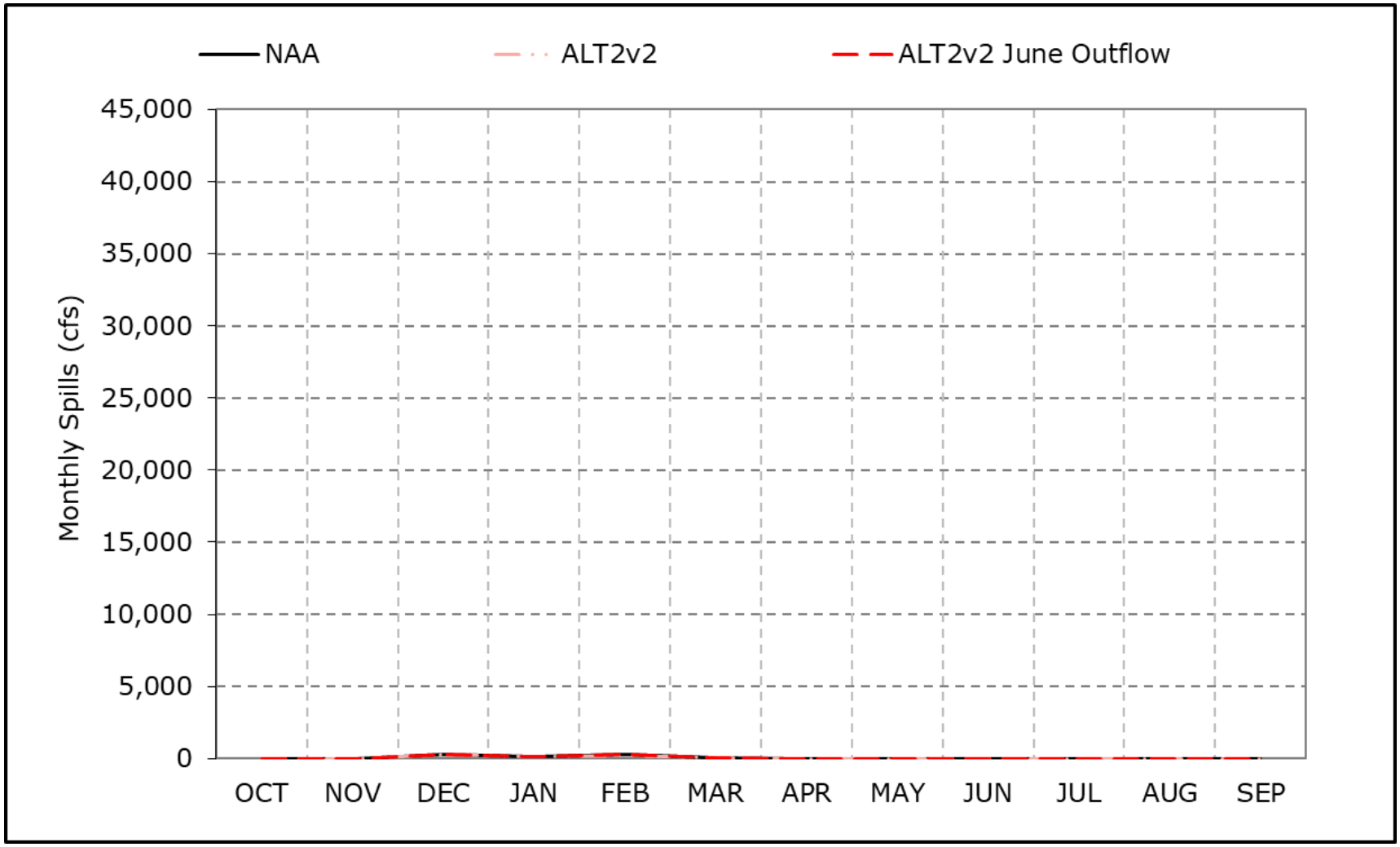
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-4. Fremont Weir Spills, Below Normal Year Average Spills



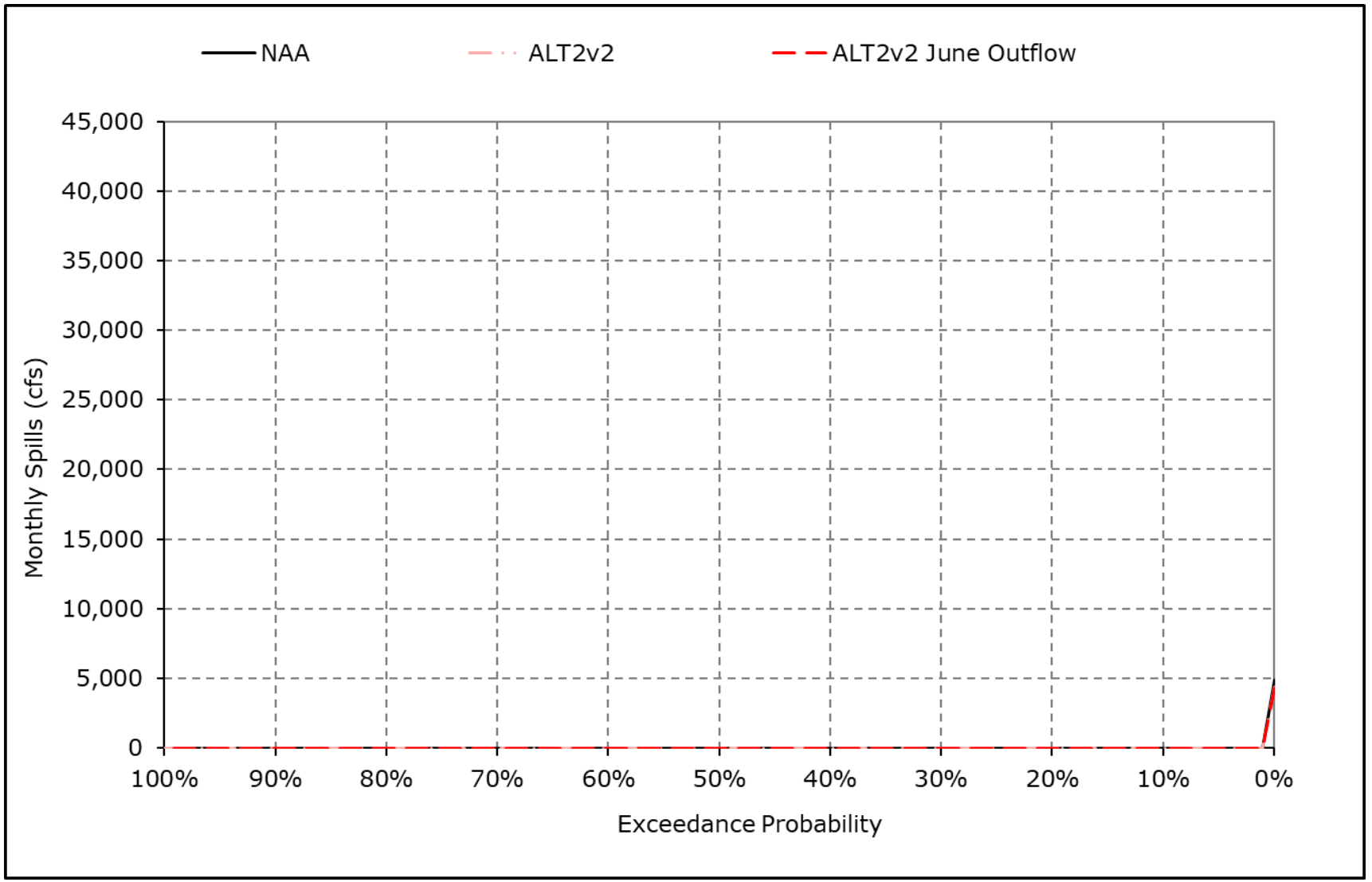
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-5. Fremont Weir Spills, Dry Year Average Spills



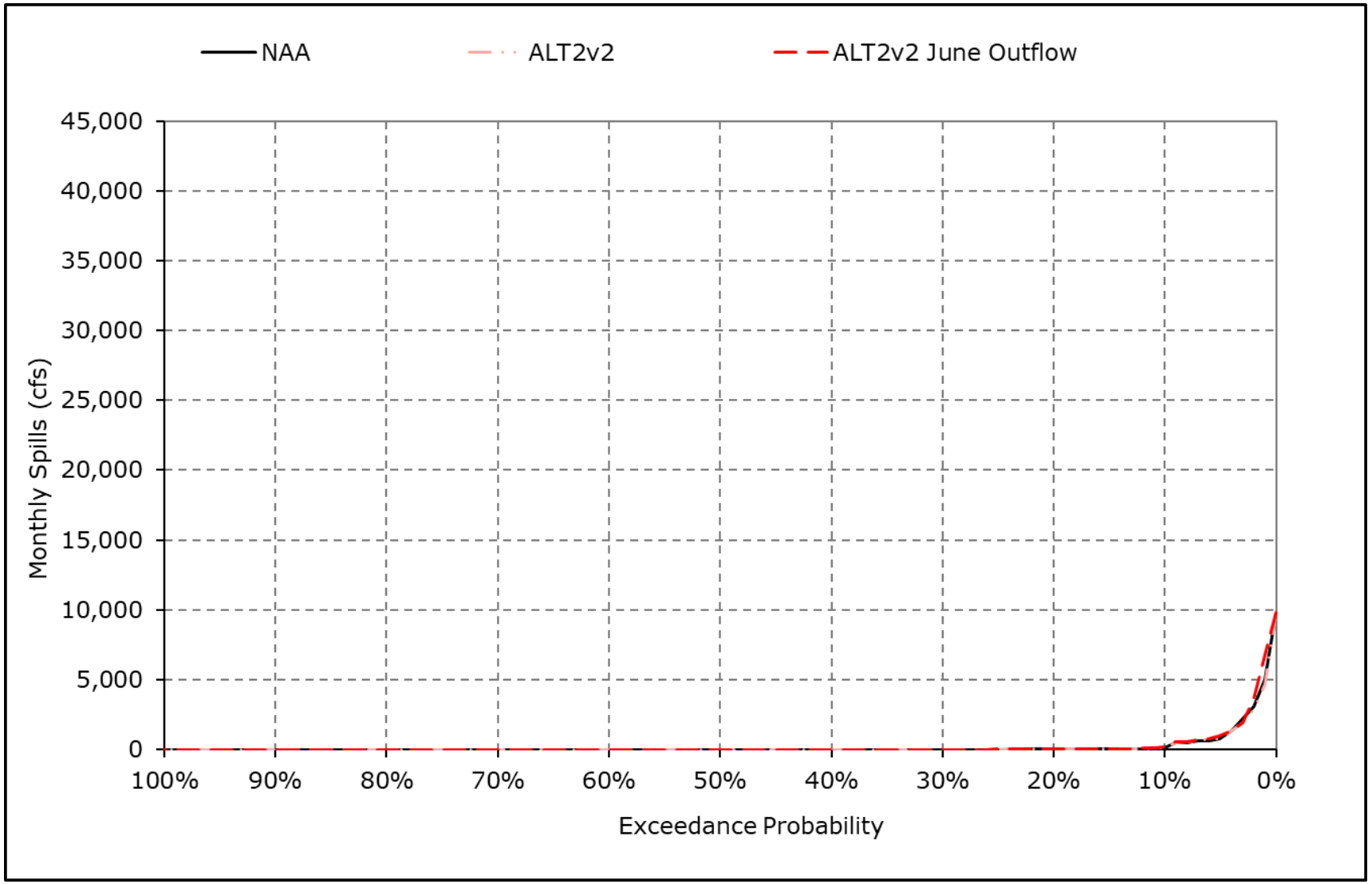
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-10-6. Fremont Weir Spills, Critical Year Average Spills



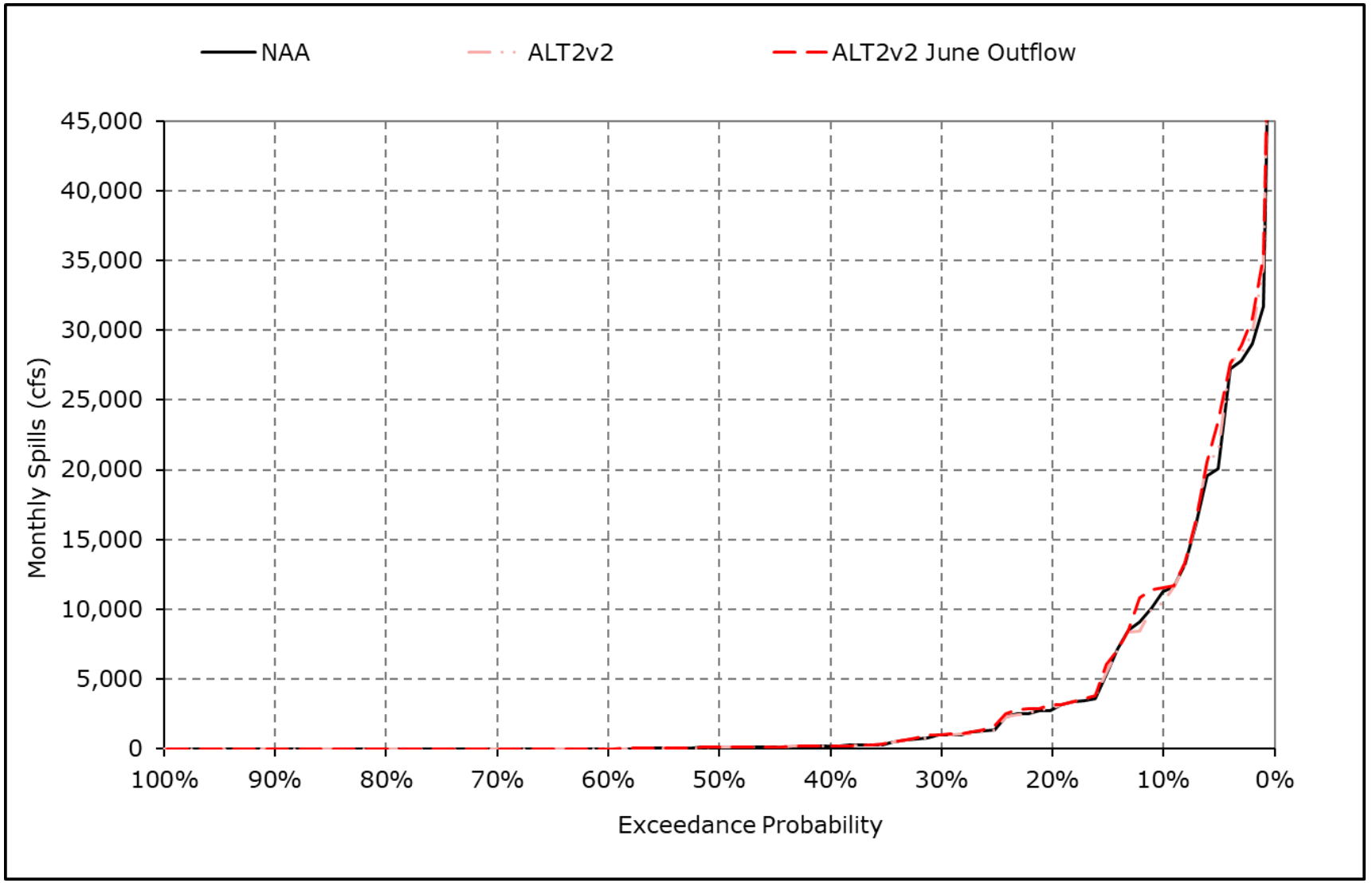
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-7. Fremont Weir Spills, October



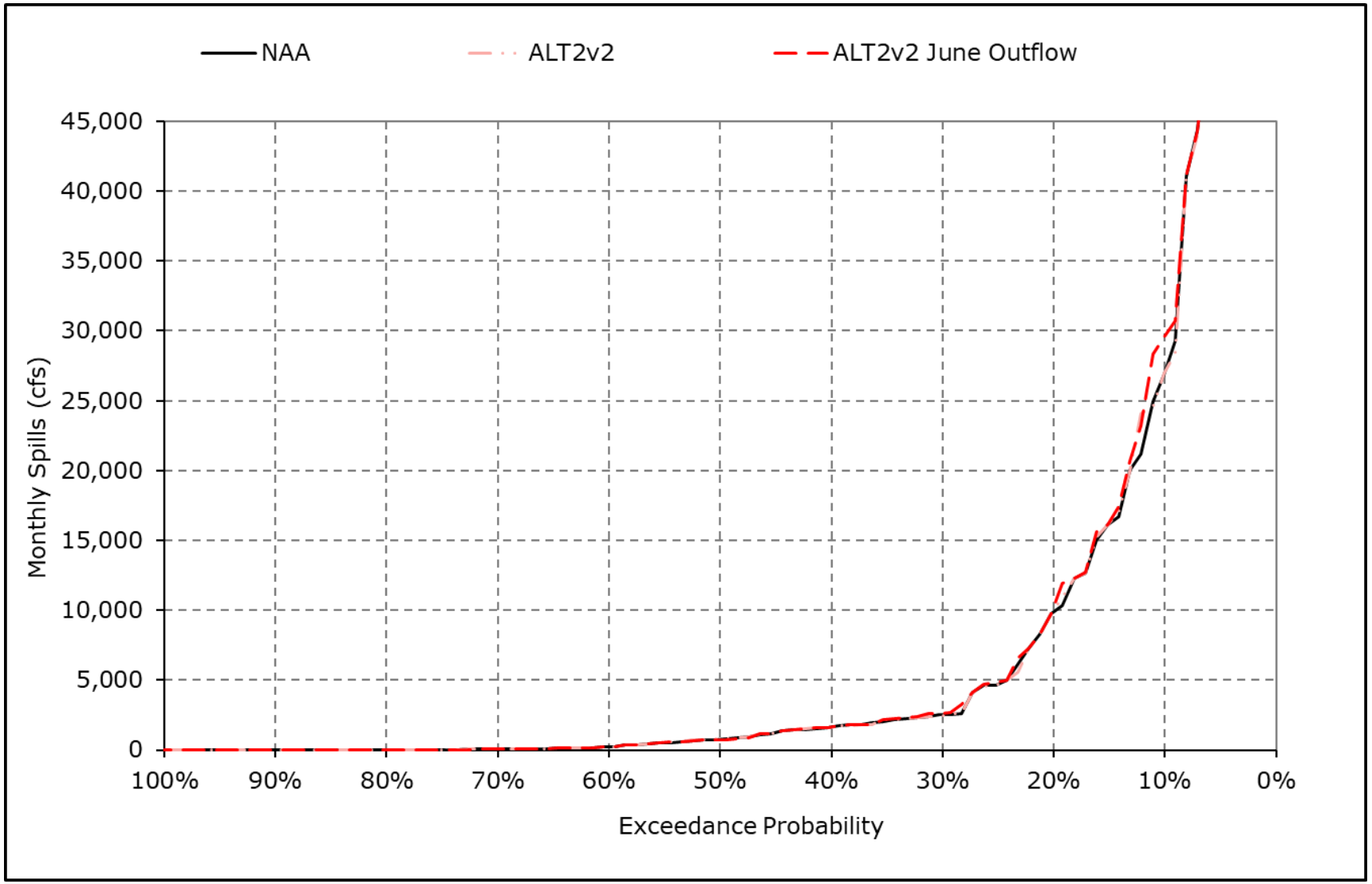
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-8. Fremont Weir Spills, November



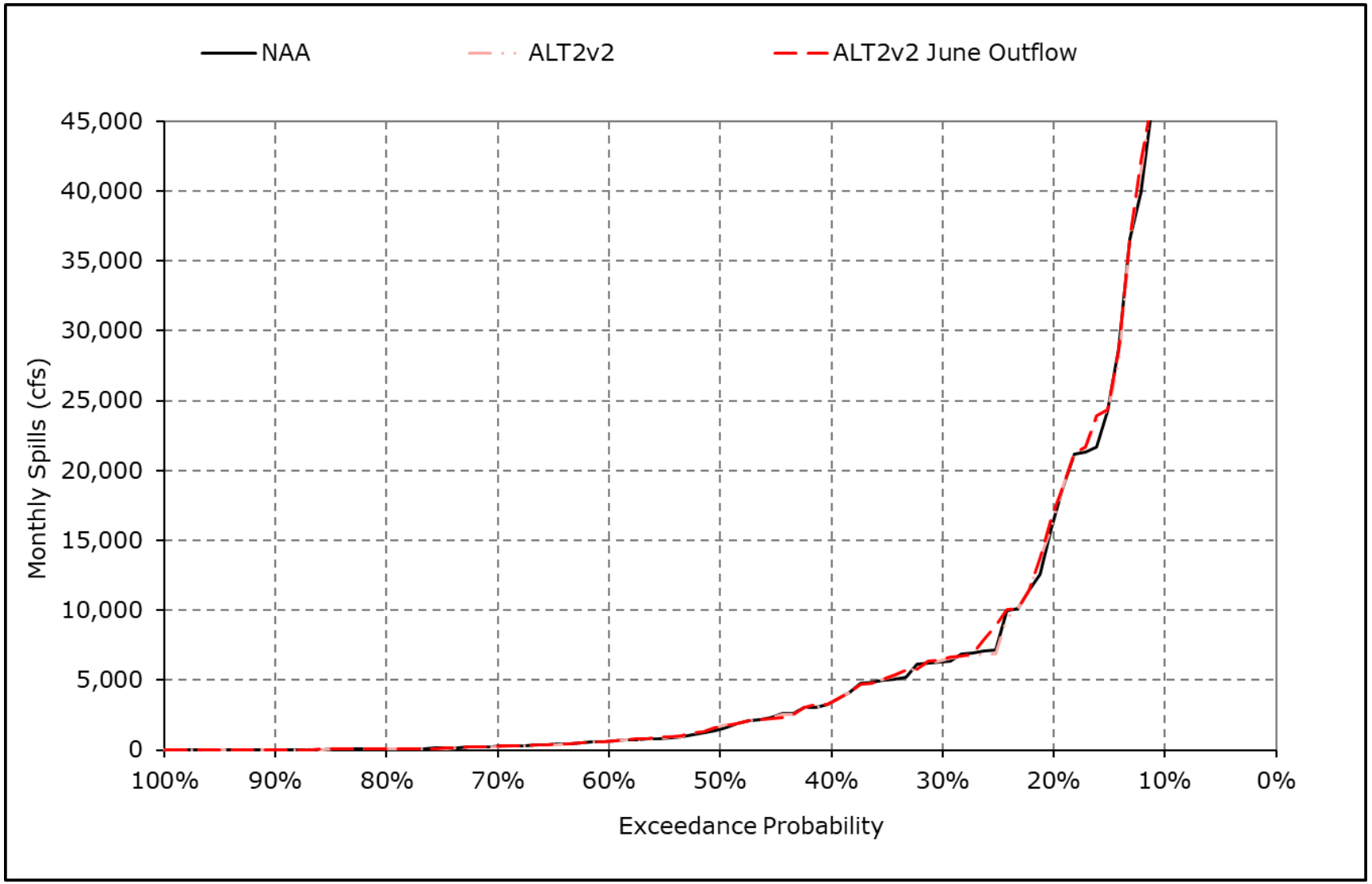
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-9. Fremont Weir Spills, December



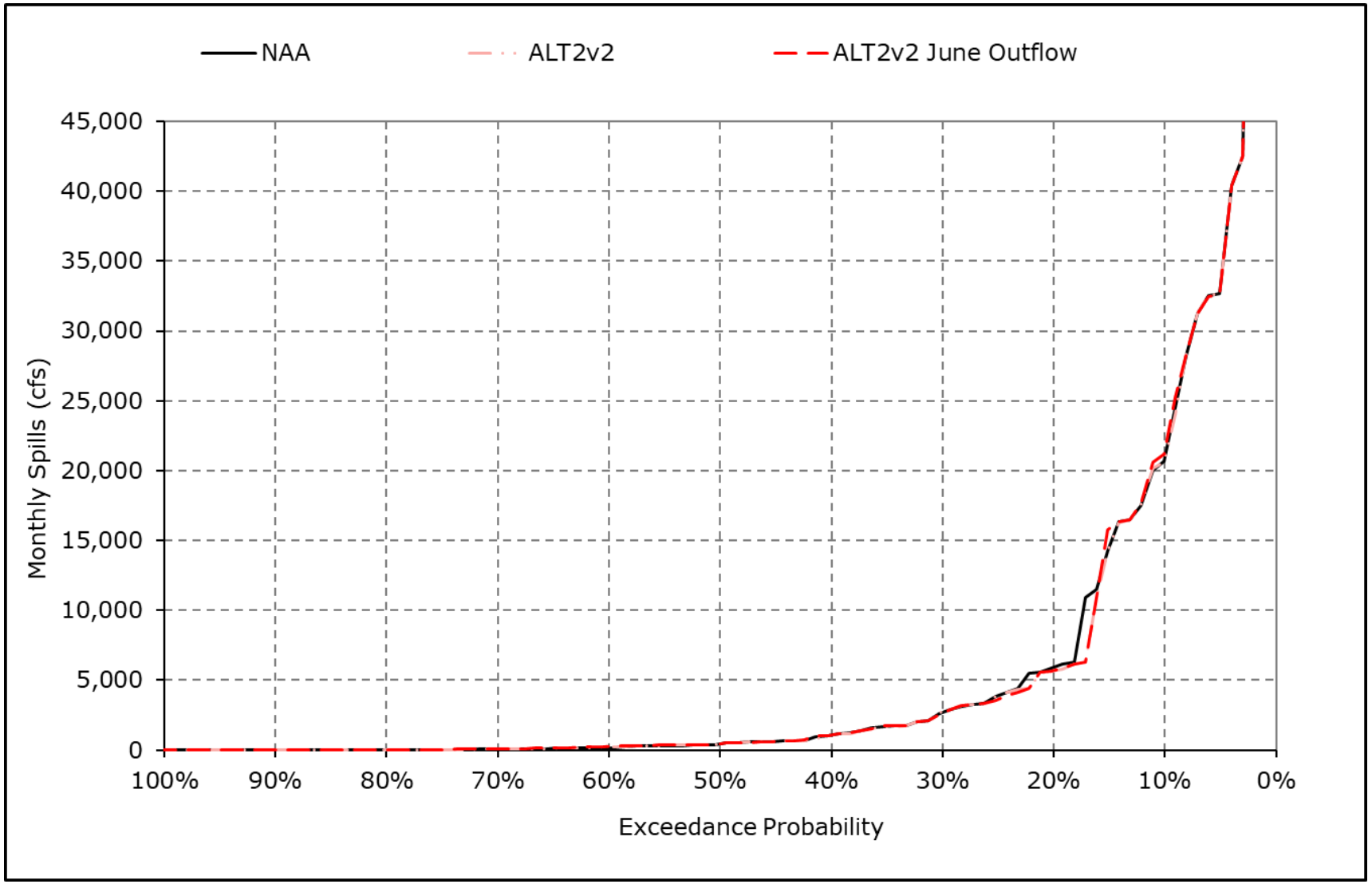
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-10. Fremont Weir Spills, January



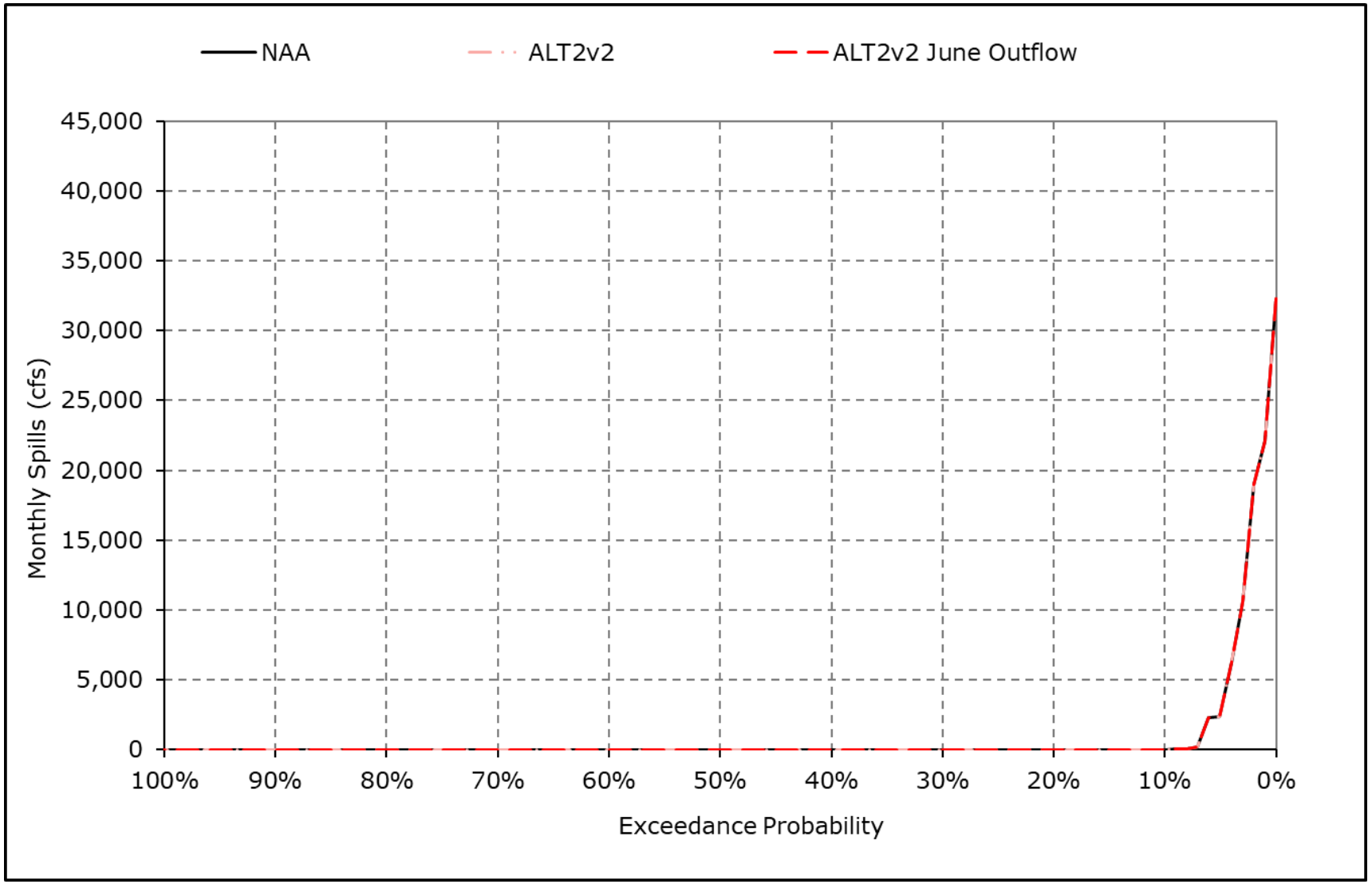
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-11. Fremont Weir Spills, February



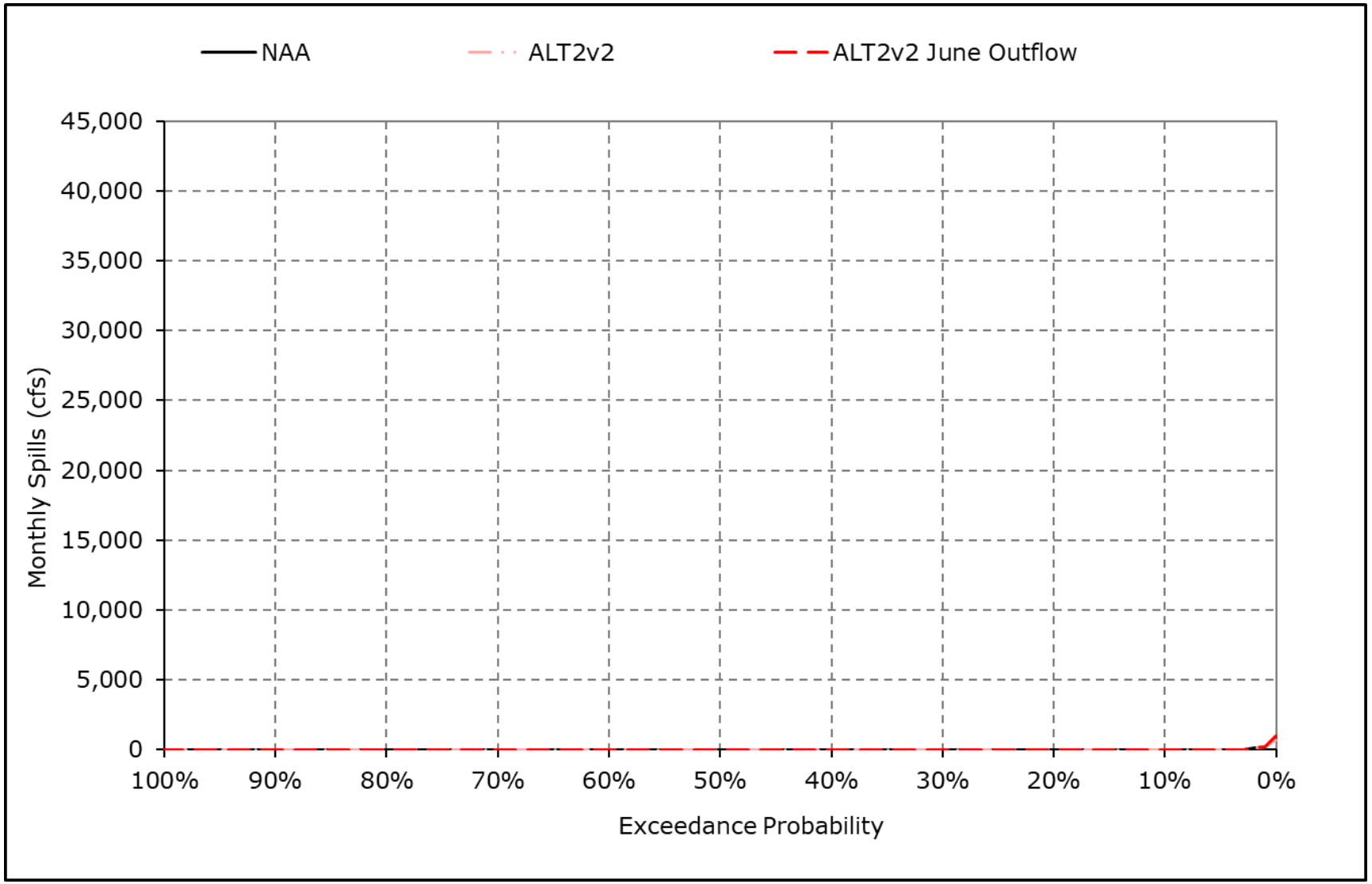
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-12. Fremont Weir Spills, March



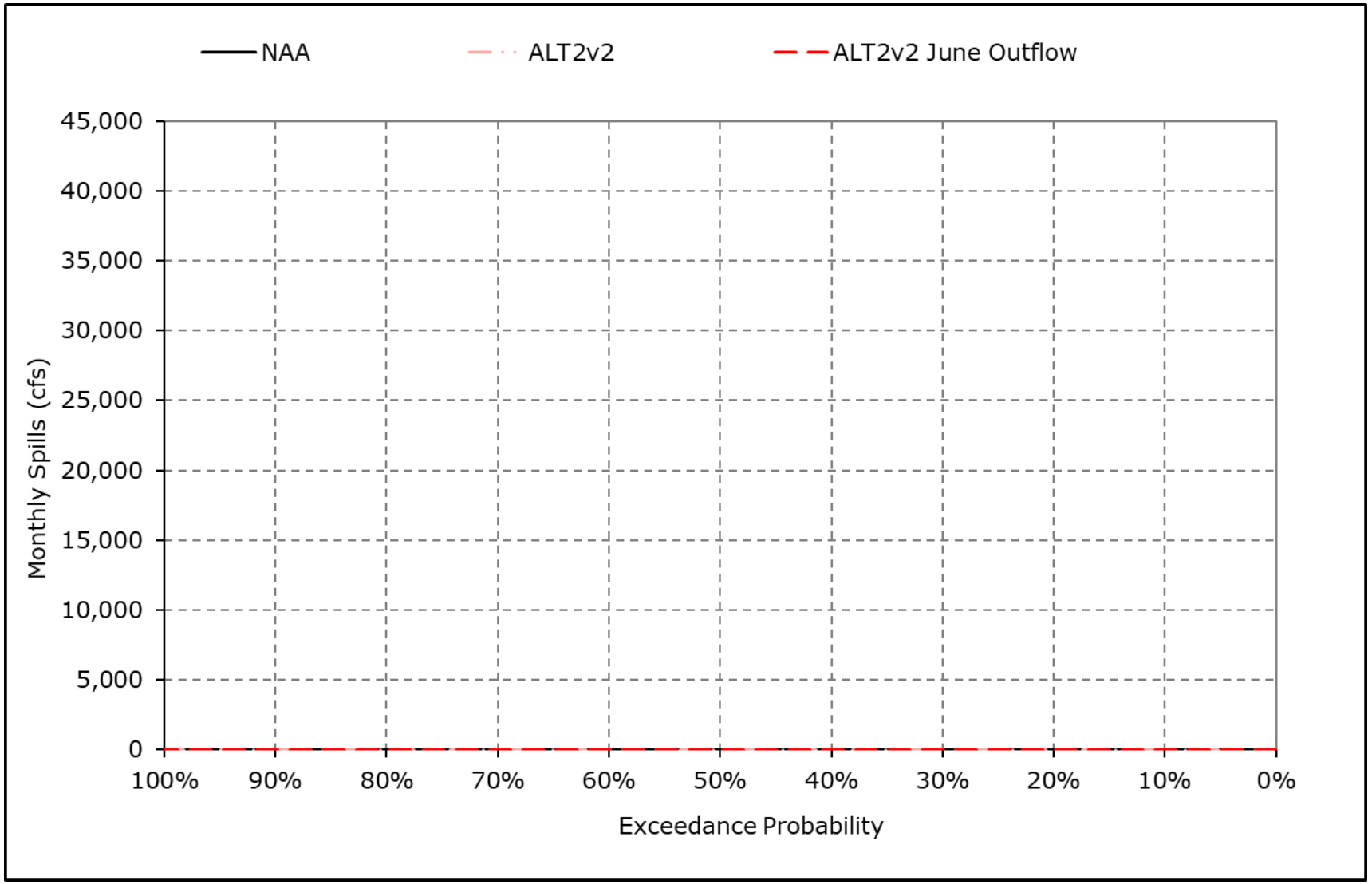
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-13. Fremont Weir Spills, April



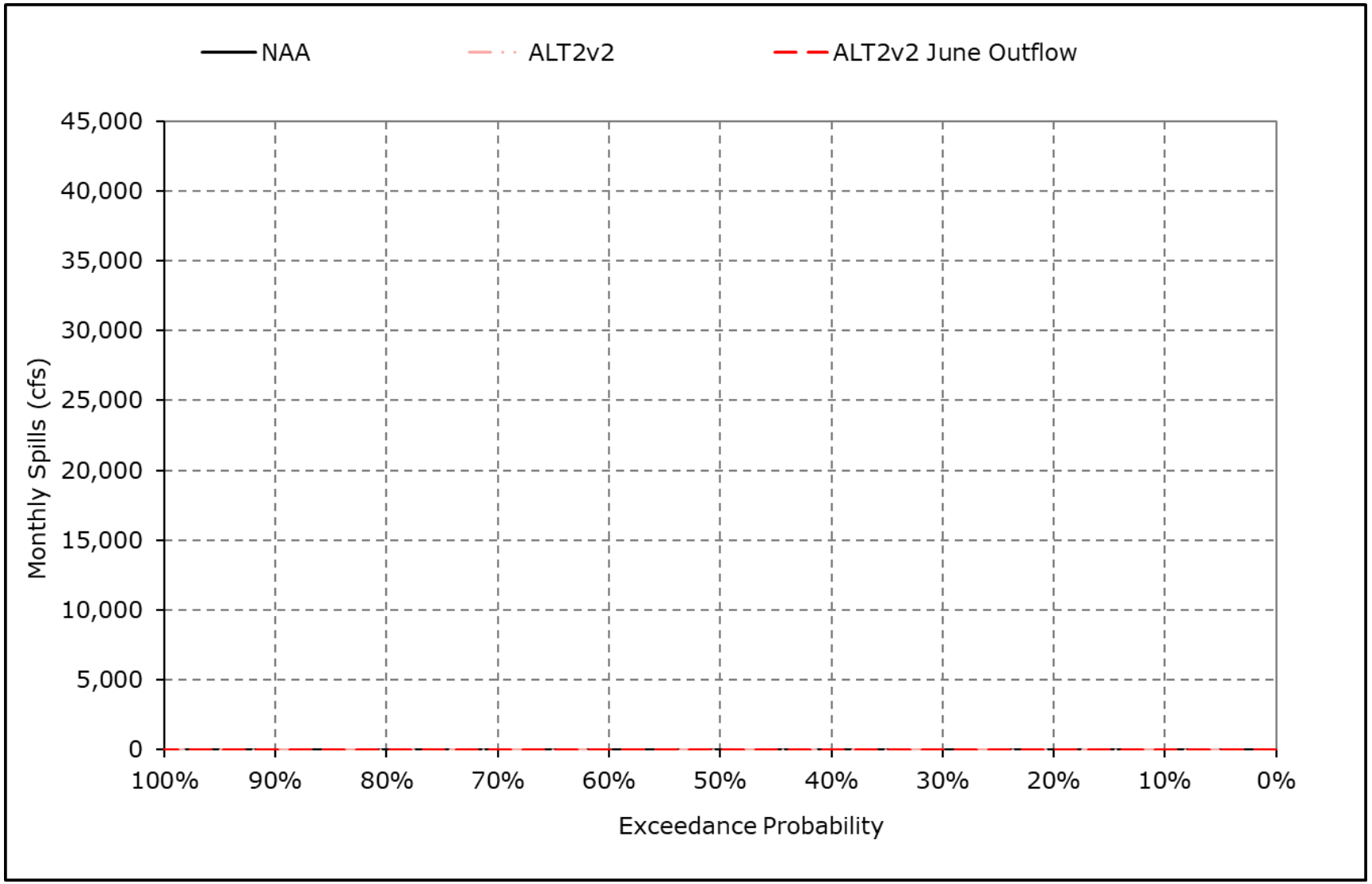
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-14. Fremont Weir Spills, May



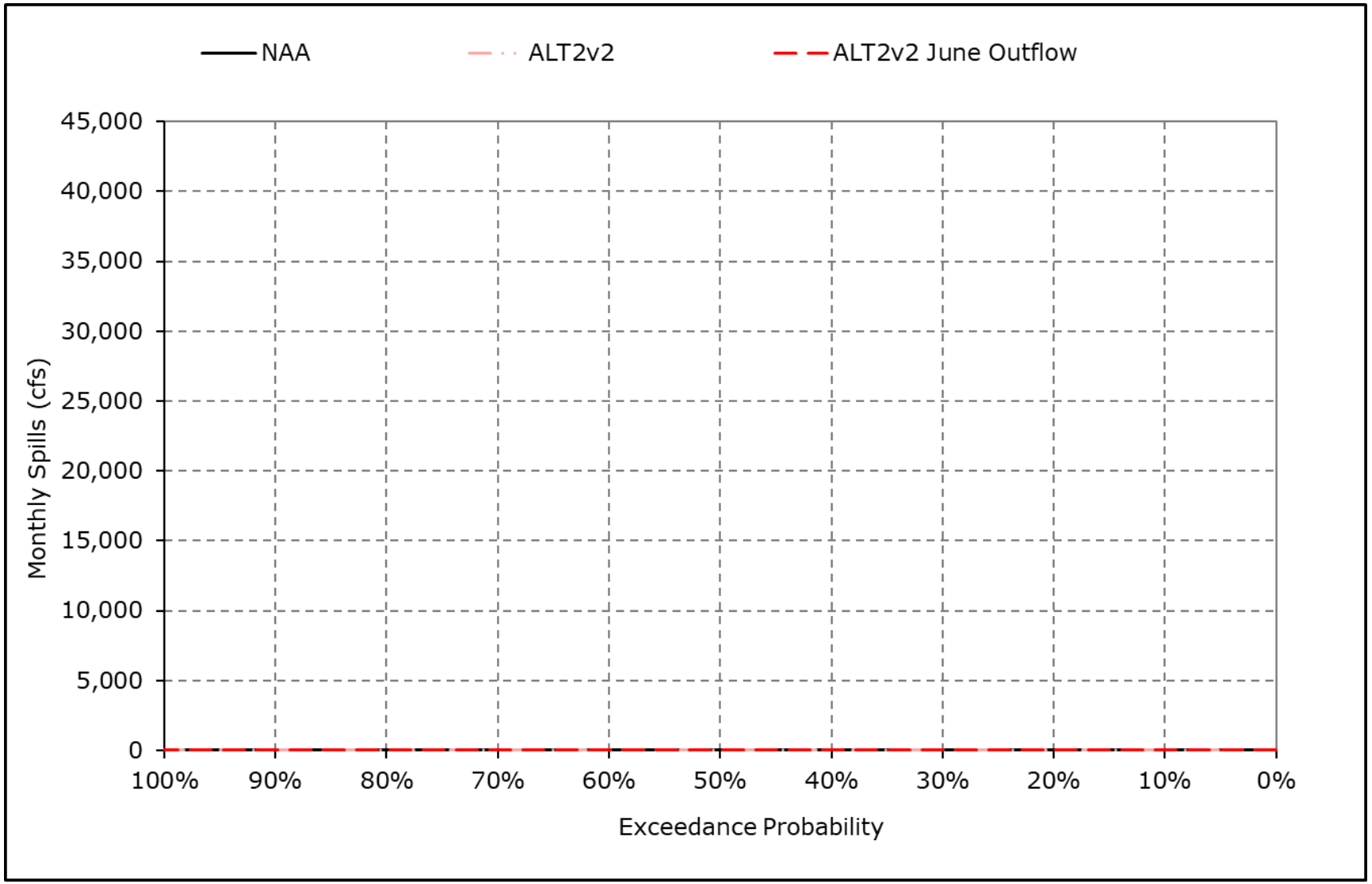
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-10-15. Fremont Weir Spills, June



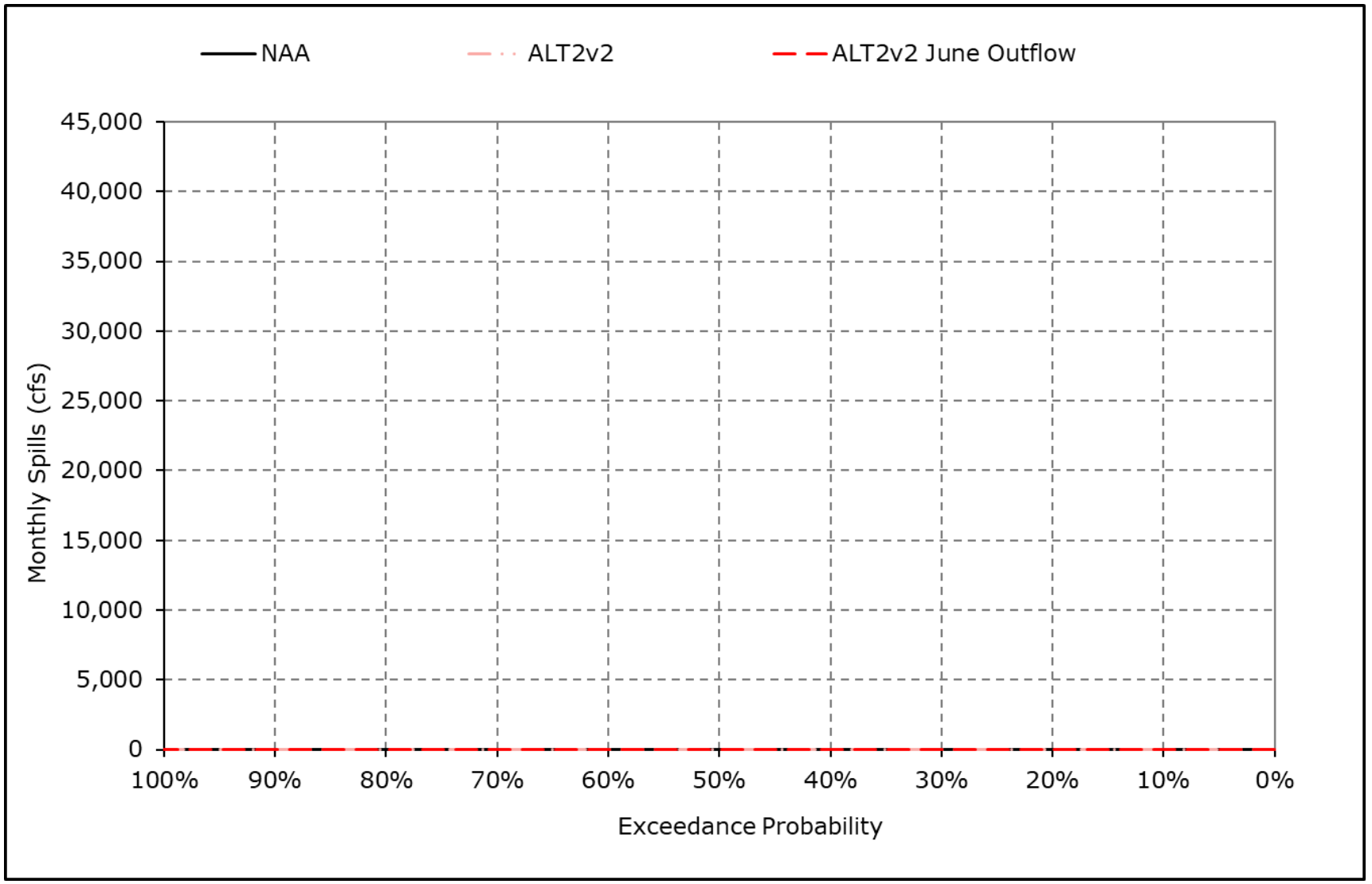
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-11-1c. Yolo Bypass Flow, ALT2v2 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.2.2-11-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

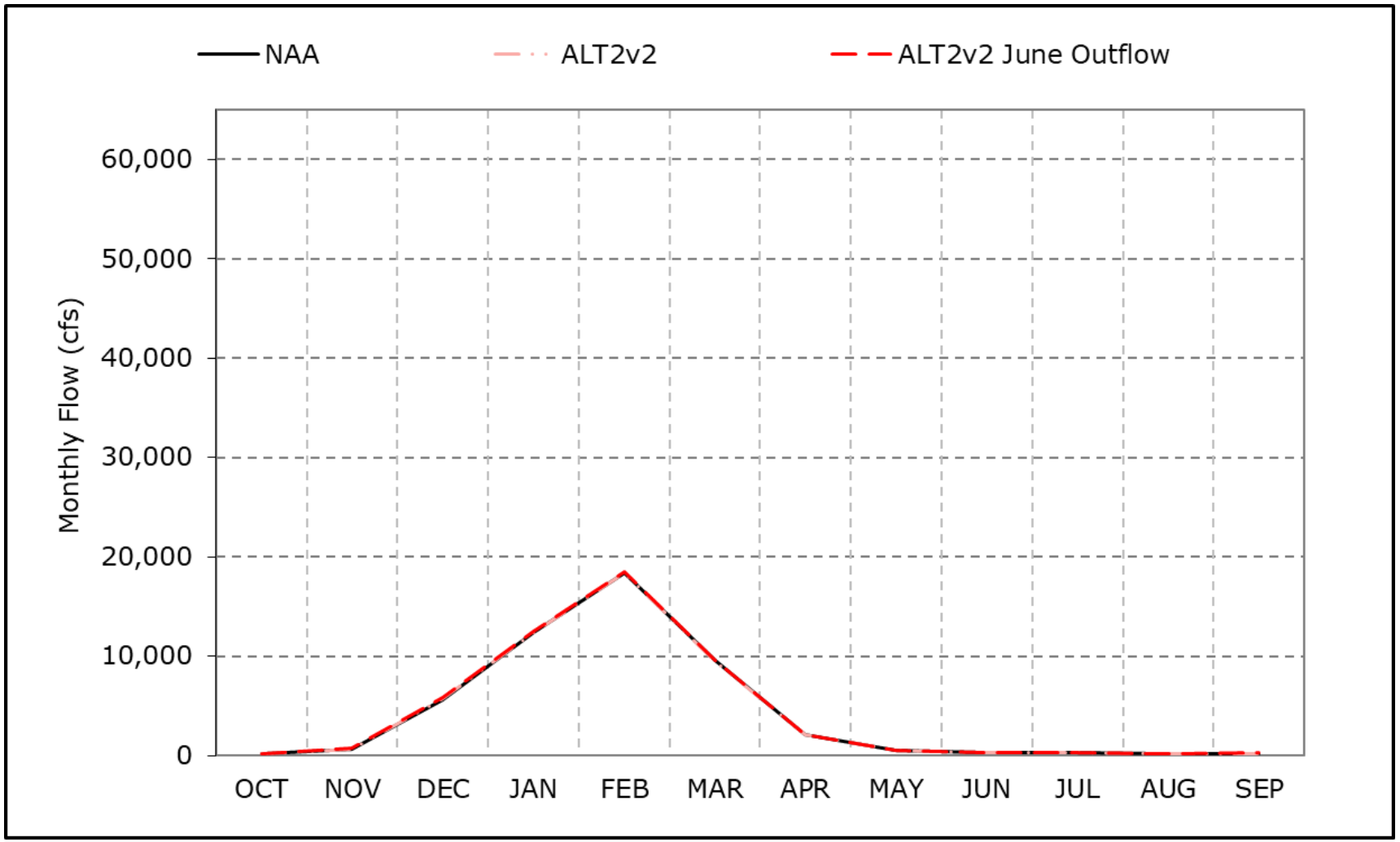
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	1,434	16,149	35,910	63,235	27,506	2,768	1,107	446	280	219	274
20% Exceedance	124	371	8,483	16,256	23,454	9,163	1,507	619	326	269	209	254
30% Exceedance	104	246	2,010	5,593	11,870	4,644	905	475	269	264	201	244
40% Exceedance	87	154	1,050	3,058	6,824	2,431	624	409	259	258	197	237
50% Exceedance	76	129	528	1,785	2,938	1,179	363	304	254	251	192	224
60% Exceedance	71	104	322	1,022	1,788	769	266	258	246	248	189	212
70% Exceedance	63	92	187	426	793	527	246	236	238	240	186	194
80% Exceedance	50	82	111	238	434	275	229	215	231	235	176	184
90% Exceedance	43	71	92	129	182	120	213	193	219	220	139	164
Full Simulation Period Average[a]	190	690	5,796	12,541	18,463	9,515	2,084	546	307	255	191	227
Wet Water Years (28%)	115	1,024	7,214	36,216	50,787	27,077	6,216	1,002	443	286	220	270
Above Normal Water Years (14%)	103	825	3,201	11,916	18,941	9,929	881	572	271	240	192	214
Below Normal Water Years (18%)	89	389	6,212	2,589	3,297	1,557	485	485	247	220	190	239
Dry Water Years (24%)	417	619	8,328	748	3,679	877	403	279	262	257	178	210
Critical Water Years (16%)	172	403	1,195	543	718	330	222	197	233	249	160	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.2.2-11-2c. Yolo Bypass Flow, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

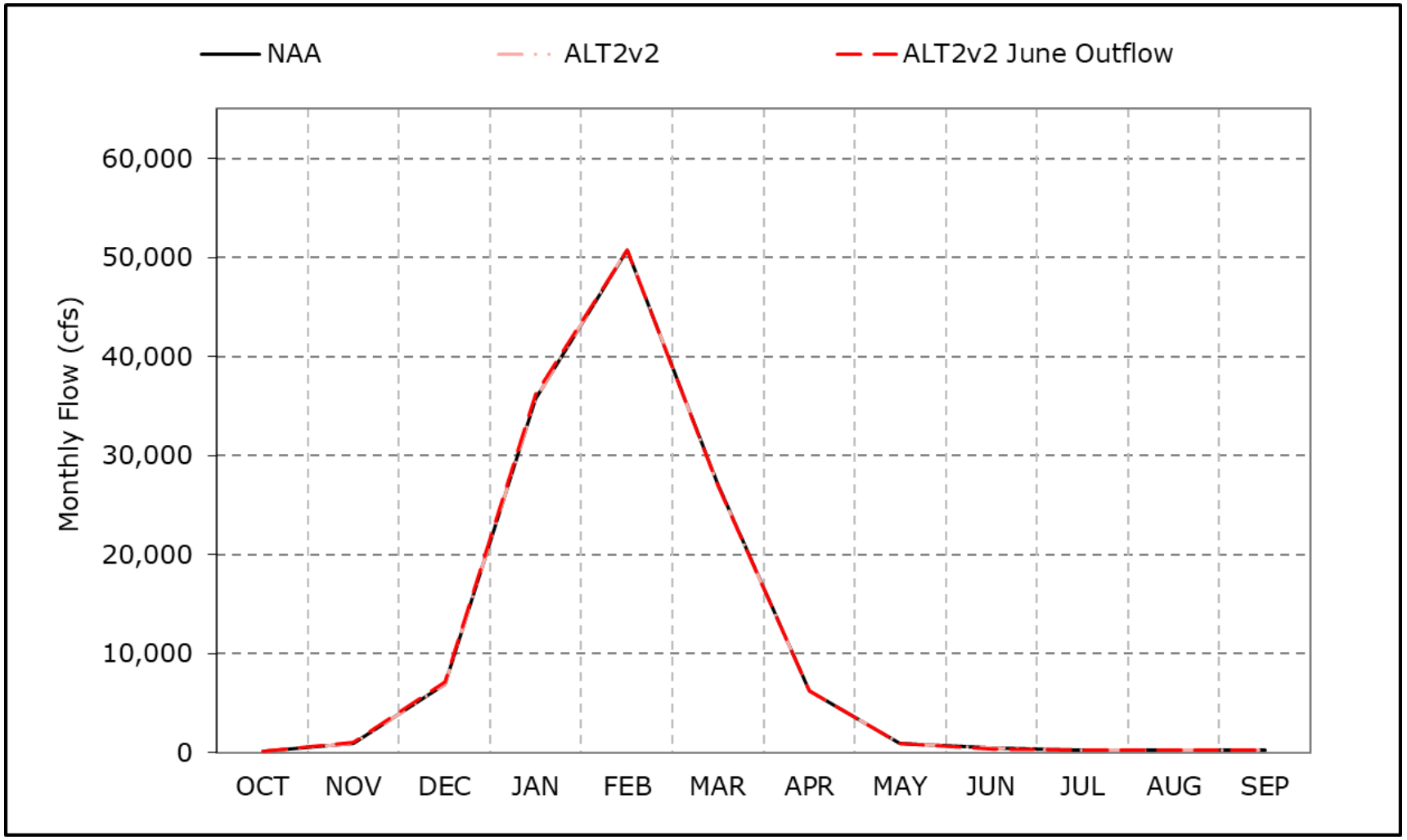
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	176	420	3,523	54	1,134	-5	38	-3	3	0	2
20% Exceedance	3	-1	53	206	682	-350	-6	-6	-18	1	-1	1
30% Exceedance	0	2	8	-8	2,350	-61	-4	4	-10	2	-3	-2
40% Exceedance	2	7	-9	140	142	16	1	-1	0	3	-3	-1
50% Exceedance	0	6	8	1	73	55	7	4	3	1	-4	3
60% Exceedance	1	2	10	3	124	55	0	0	2	1	-4	4
70% Exceedance	-1	0	18	2	22	61	10	1	3	2	-3	4
80% Exceedance	-4	3	-1	1	-3	1	10	1	2	9	-10	11
90% Exceedance	0	4	2	1	-1	0	26	3	31	36	-35	5
Full Simulation Period Average[a]	10	76	218	211	105	-38	7	4	7	10	-8	2
Wet Water Years (28%)	0	72	288	511	-9	-21	-2	-1	-8	1	-1	5
Above Normal Water Years (14%)	-1	124	228	483	175	-305	-3	-2	-4	2	-1	-1
Below Normal Water Years (18%)	2	7	34	-3	223	51	-1	18	1	10	-5	5
Dry Water Years (24%)	-26	-23	396	3	178	4	1	2	1	-1	-12	1
Critical Water Years (16%)	107	275	10	5	-2	0	47	7	60	47	-22	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.



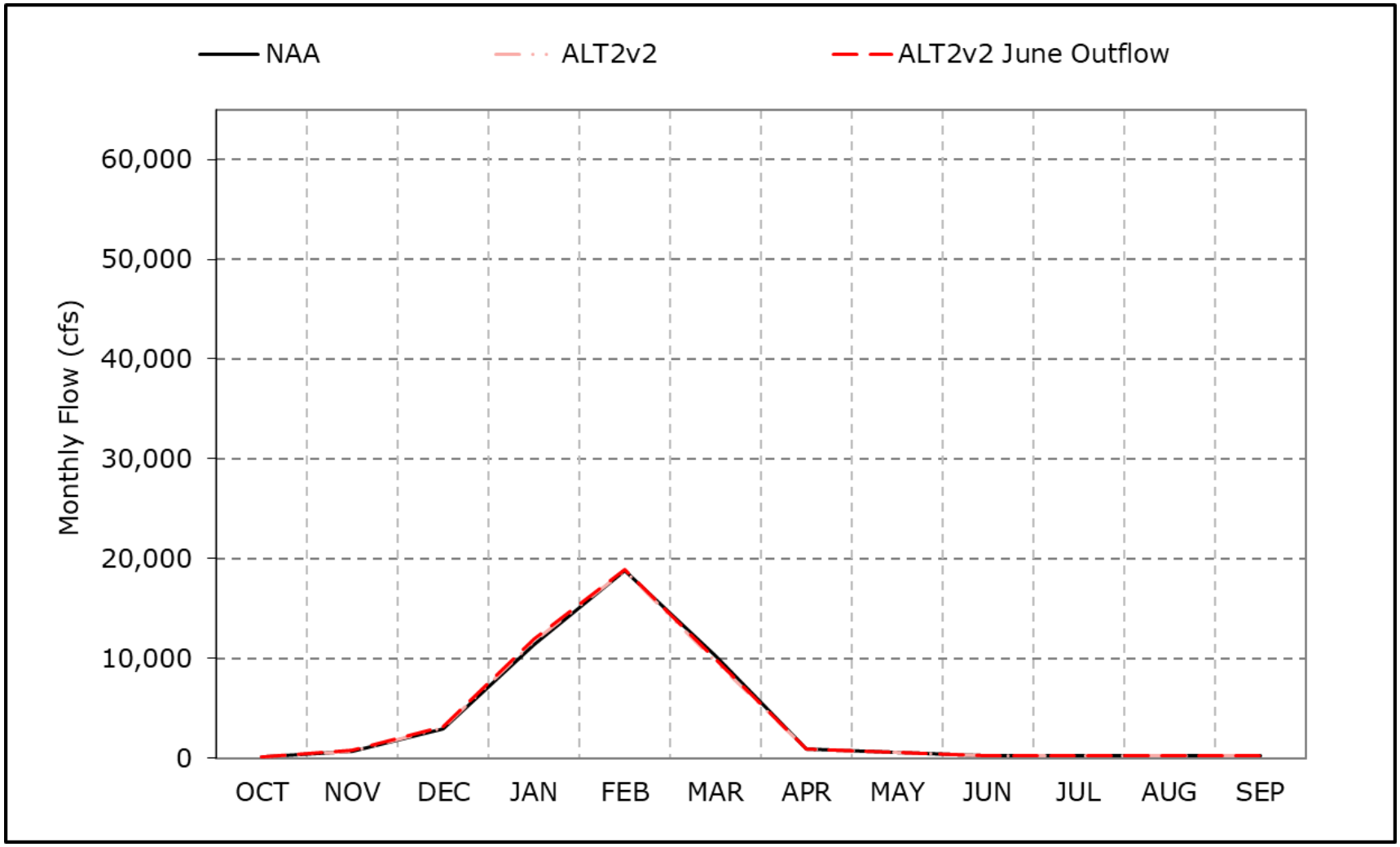
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-1. Yolo Bypass Flow, Long-Term Average Flow



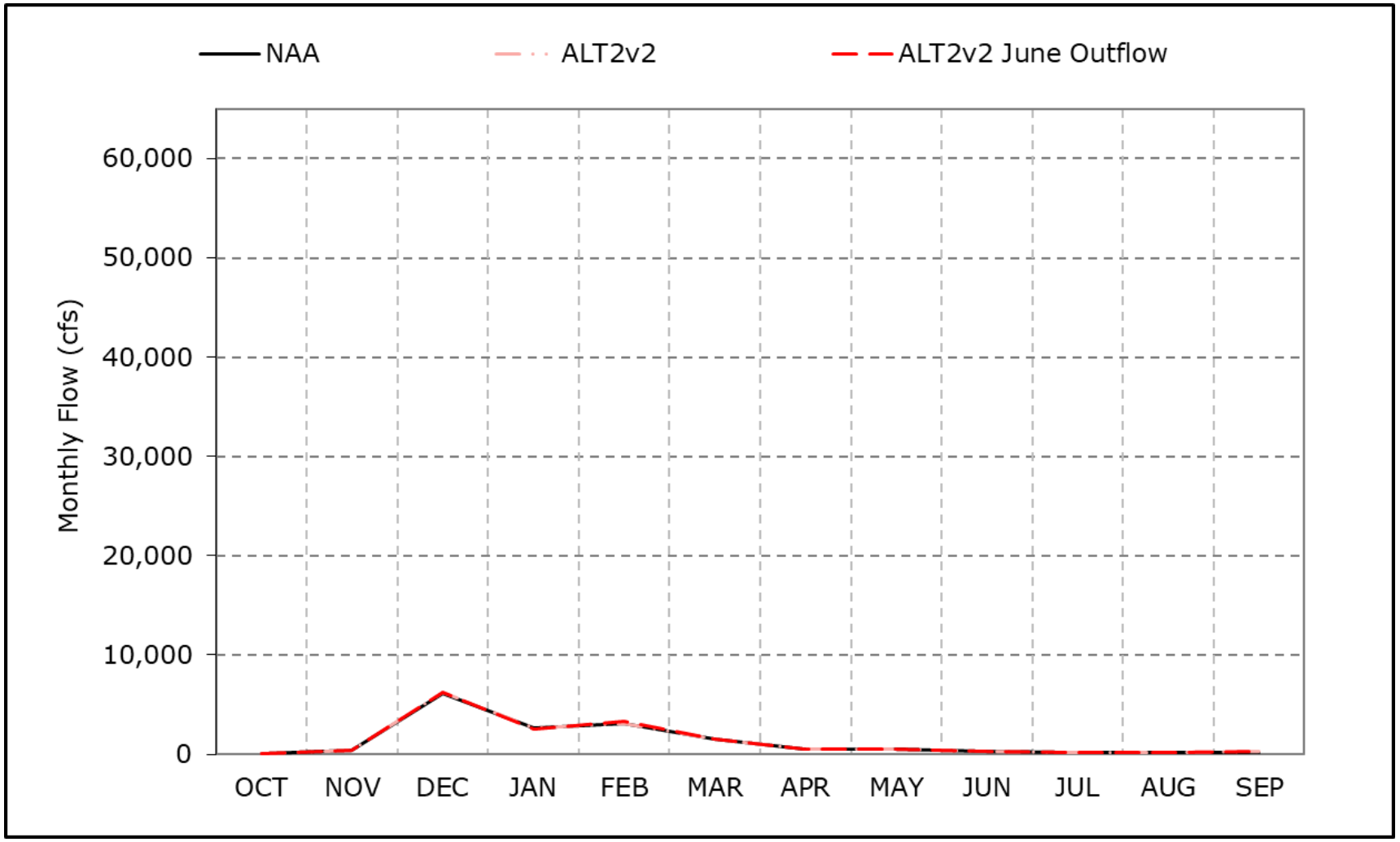
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-2. Yolo Bypass Flow, Wet Year Average Flow



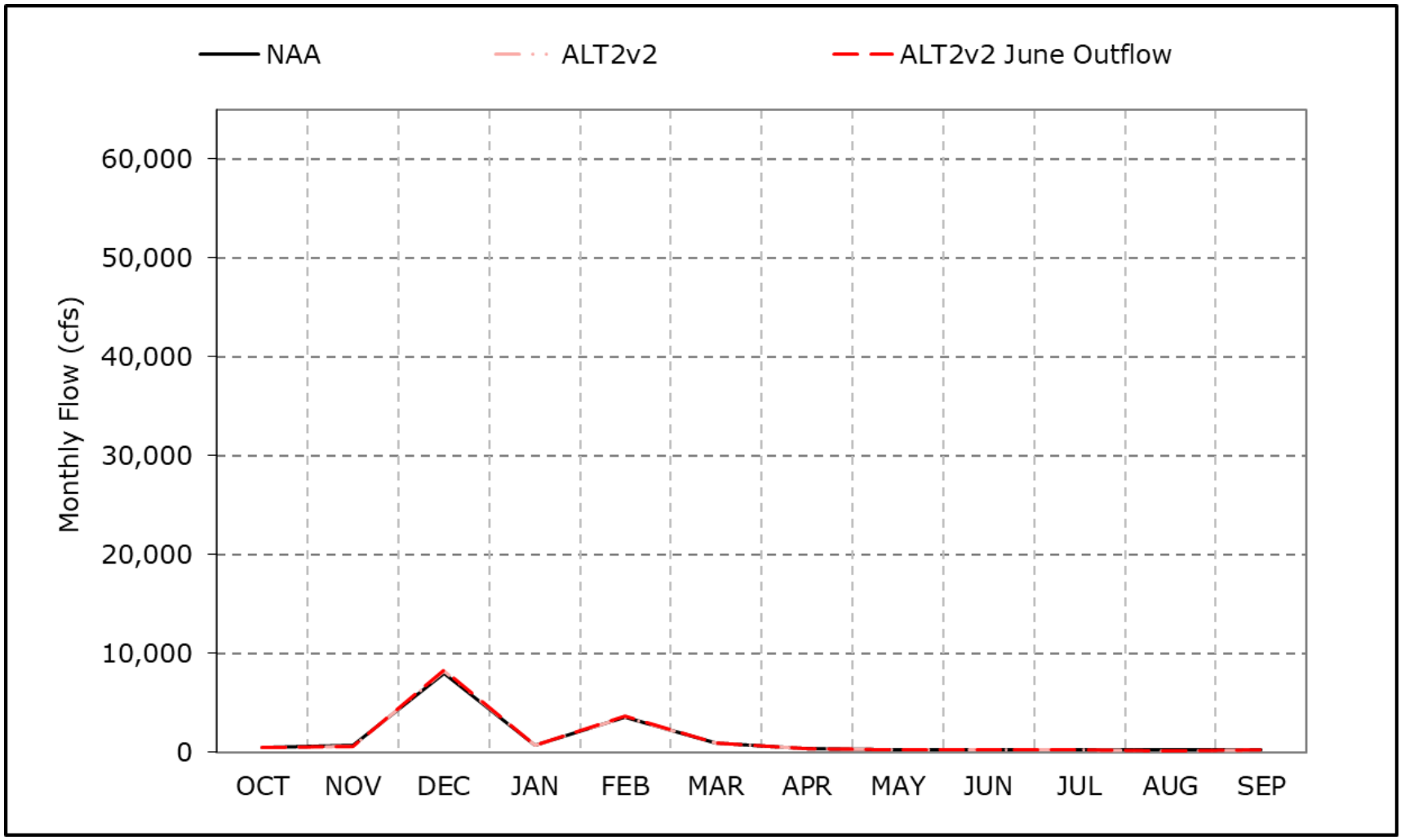
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-3. Yolo Bypass Flow, Above Normal Year Average Flow



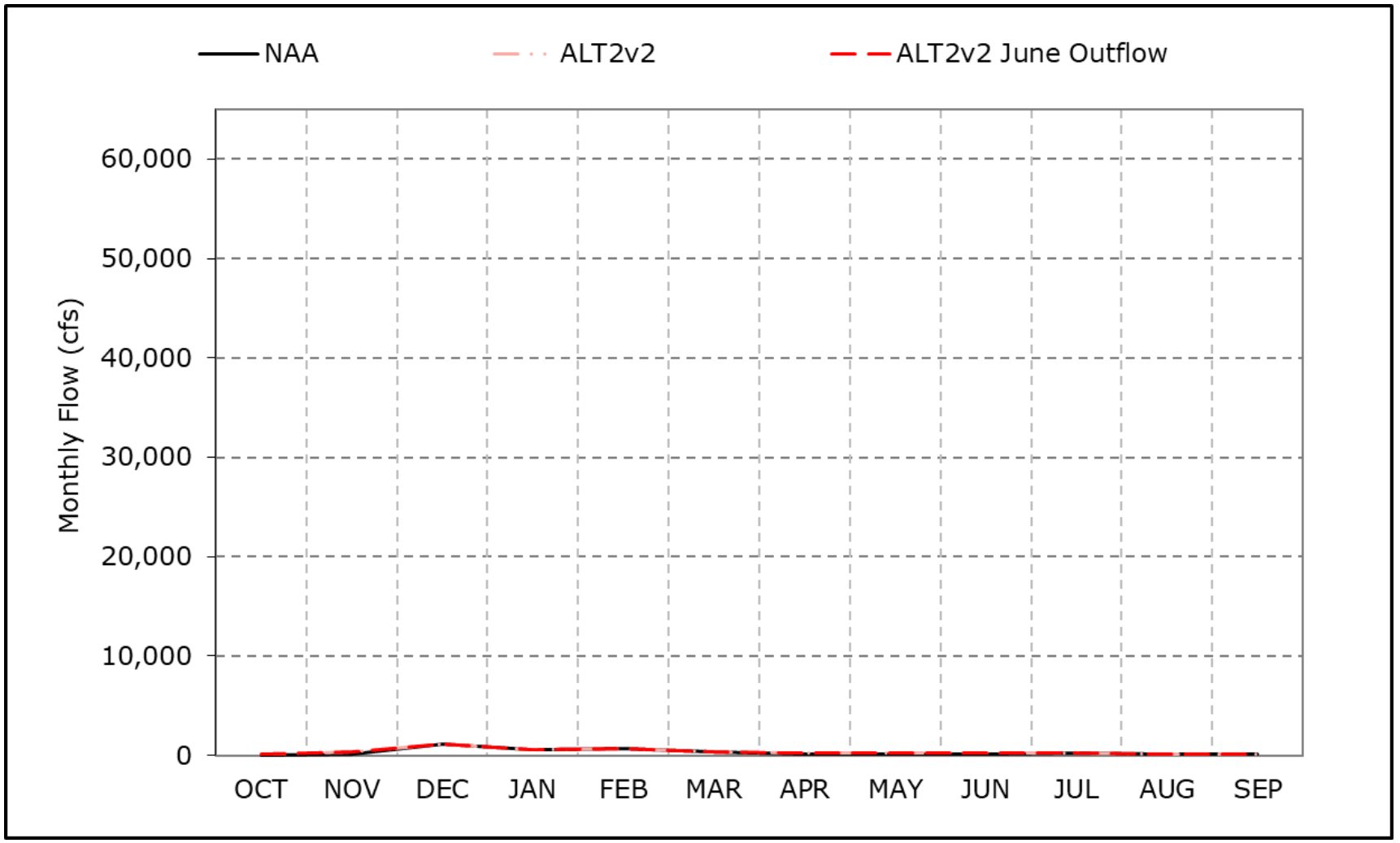
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-4. Yolo Bypass Flow, Below Normal Year Average Flow



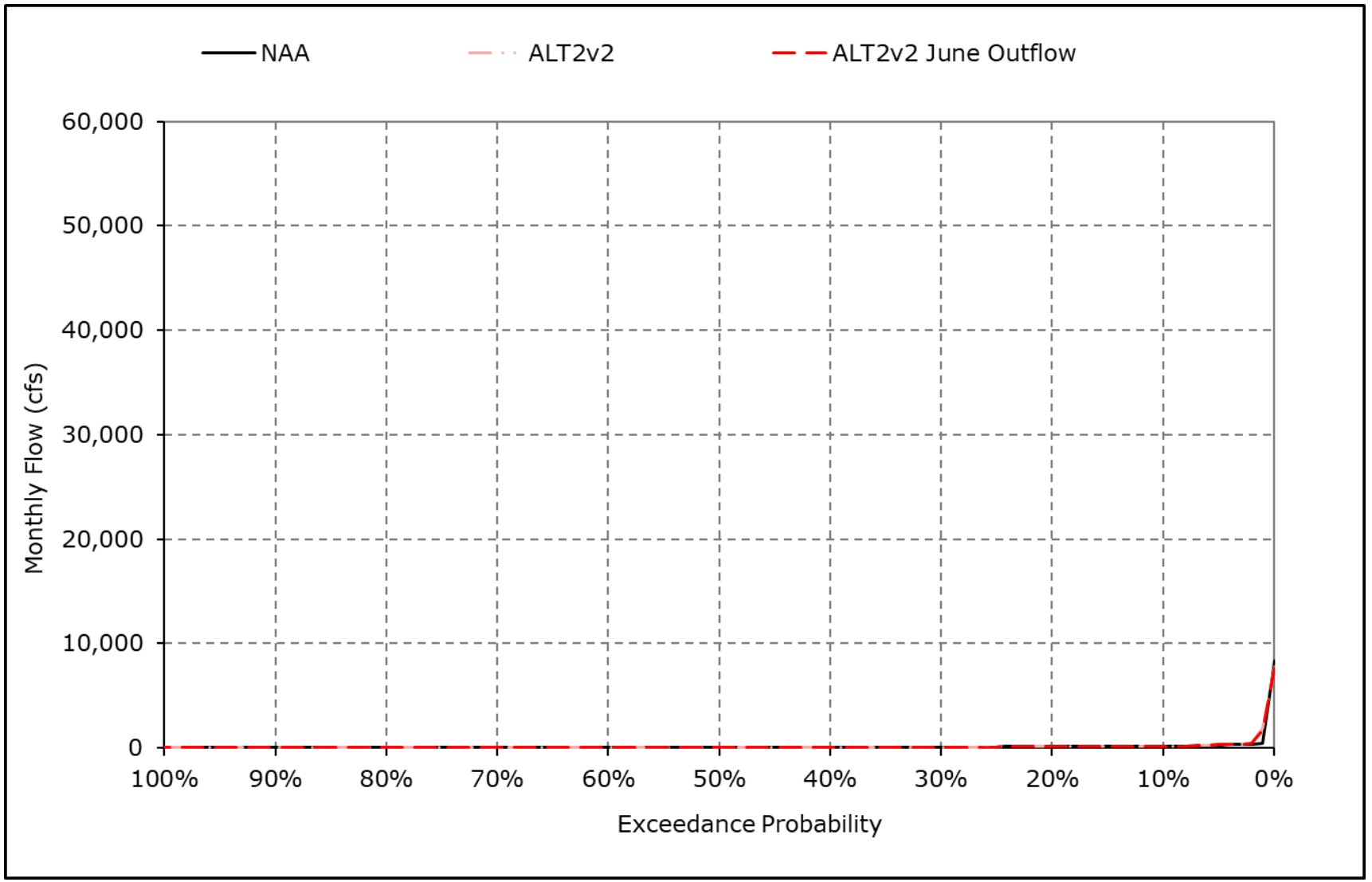
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-5. Yolo Bypass Flow, Dry Year Average Flow



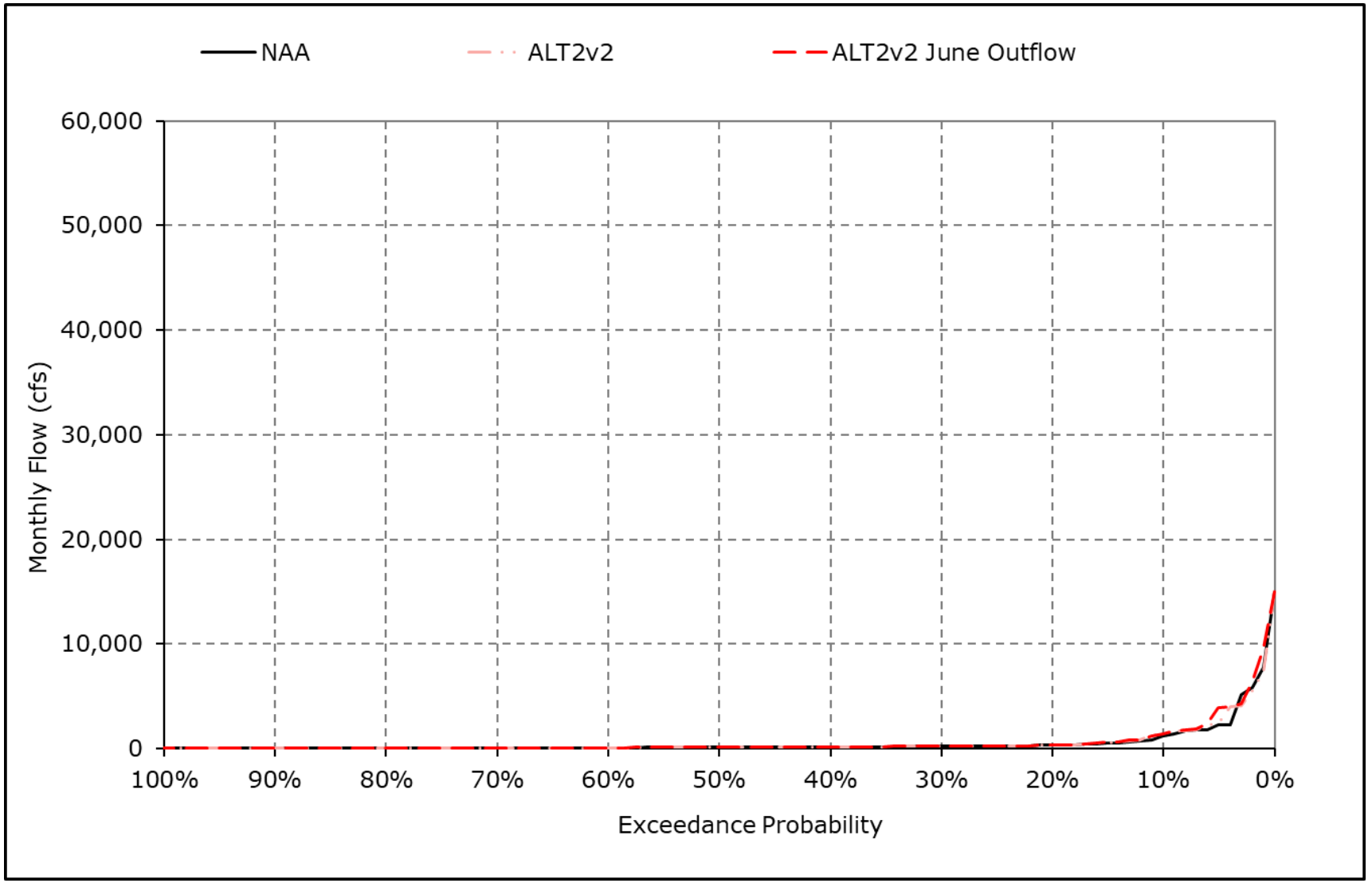
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-11-6. Yolo Bypass Flow, Critical Year Average Flow



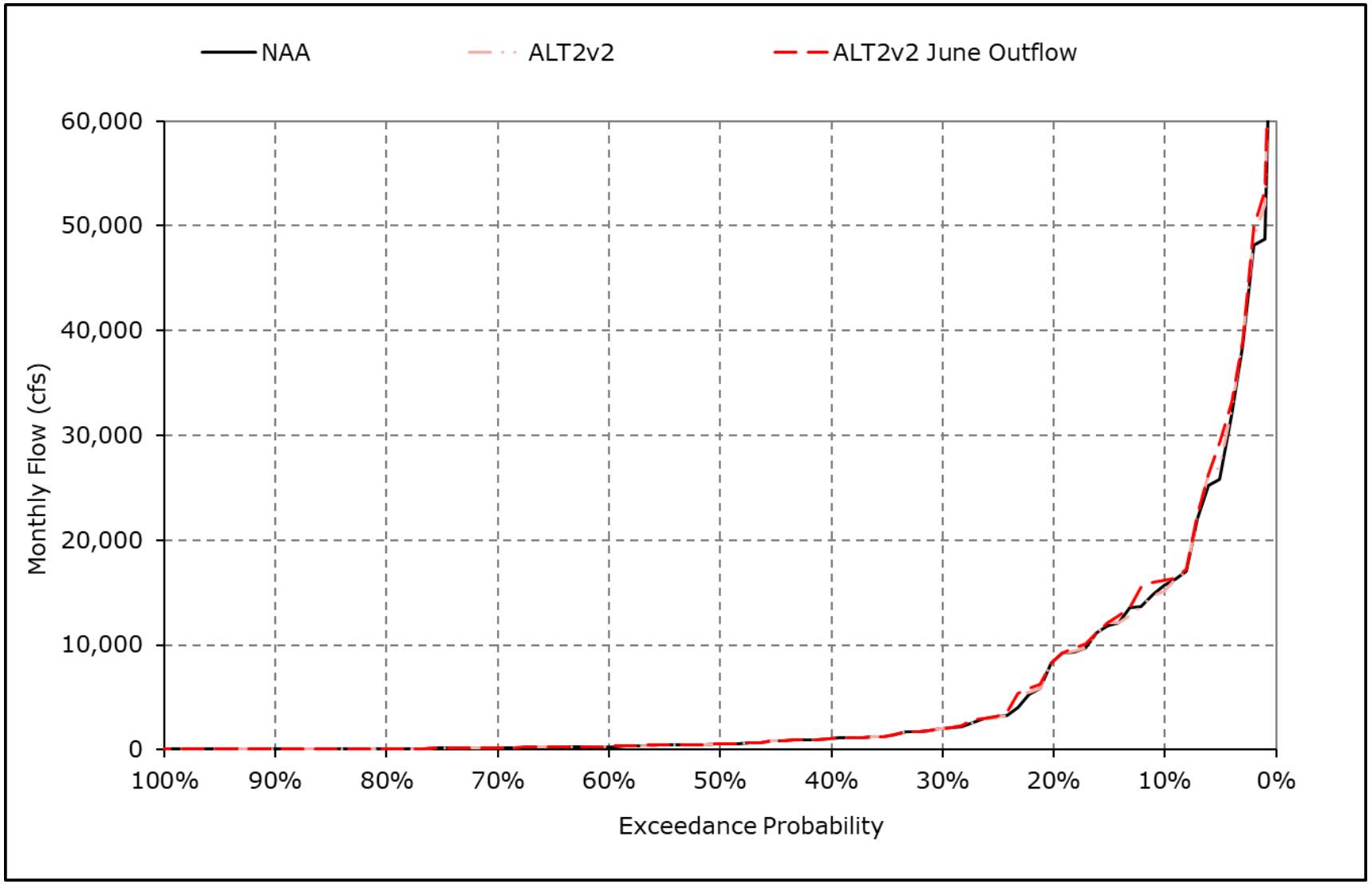
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-7. Yolo Bypass Flow, October



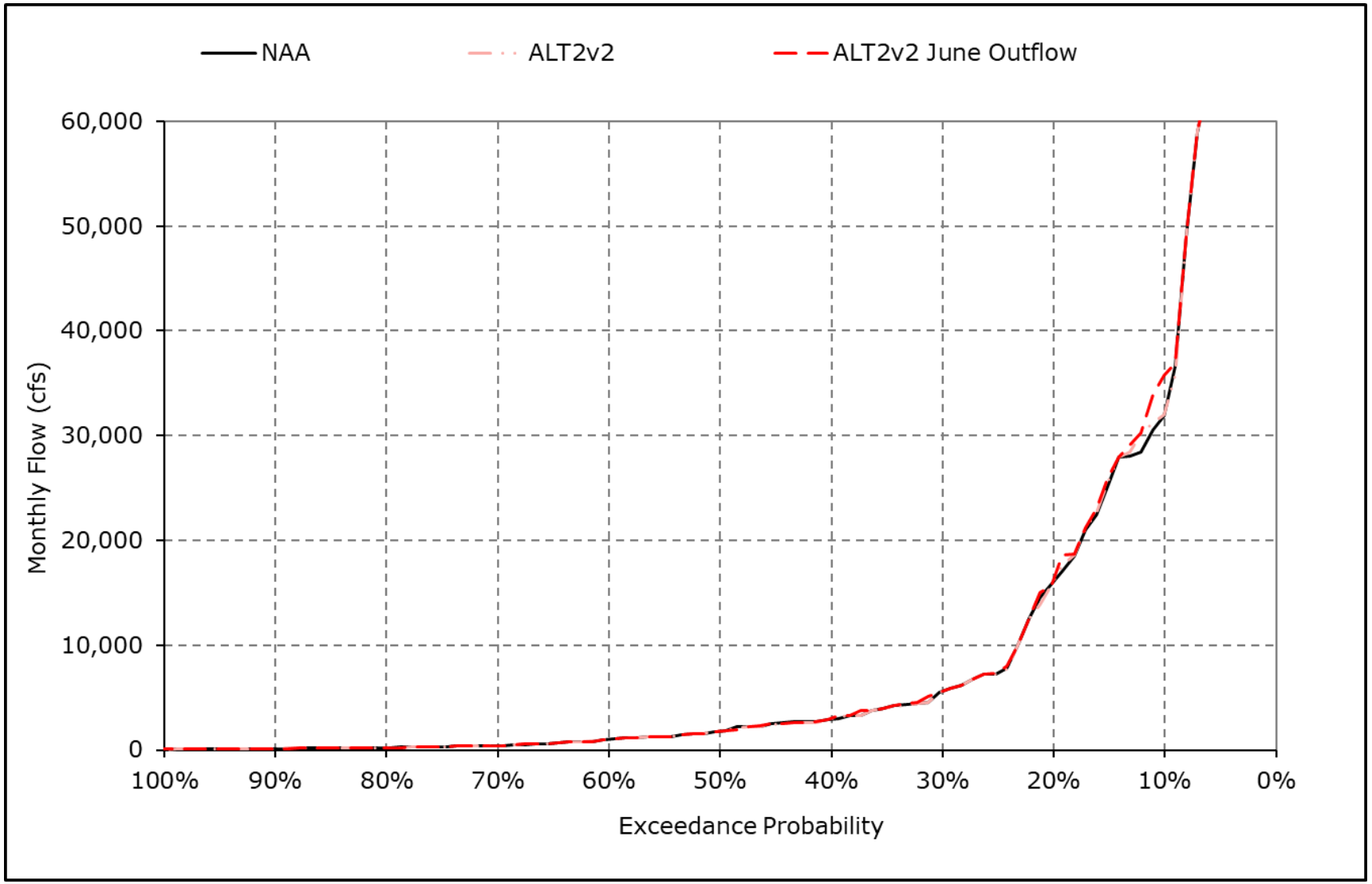
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-8. Yolo Bypass Flow, November



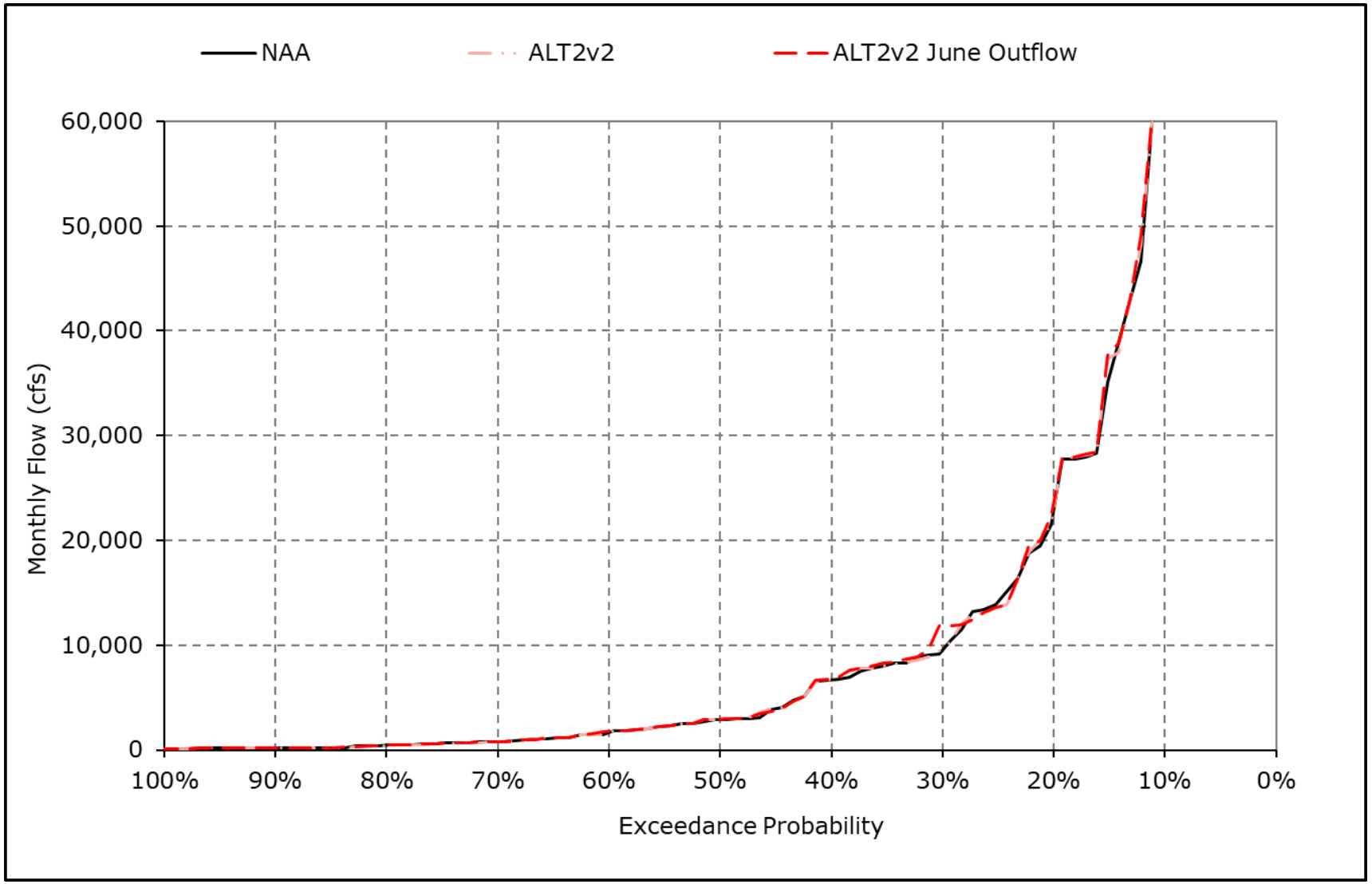
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-9. Yolo Bypass Flow, December



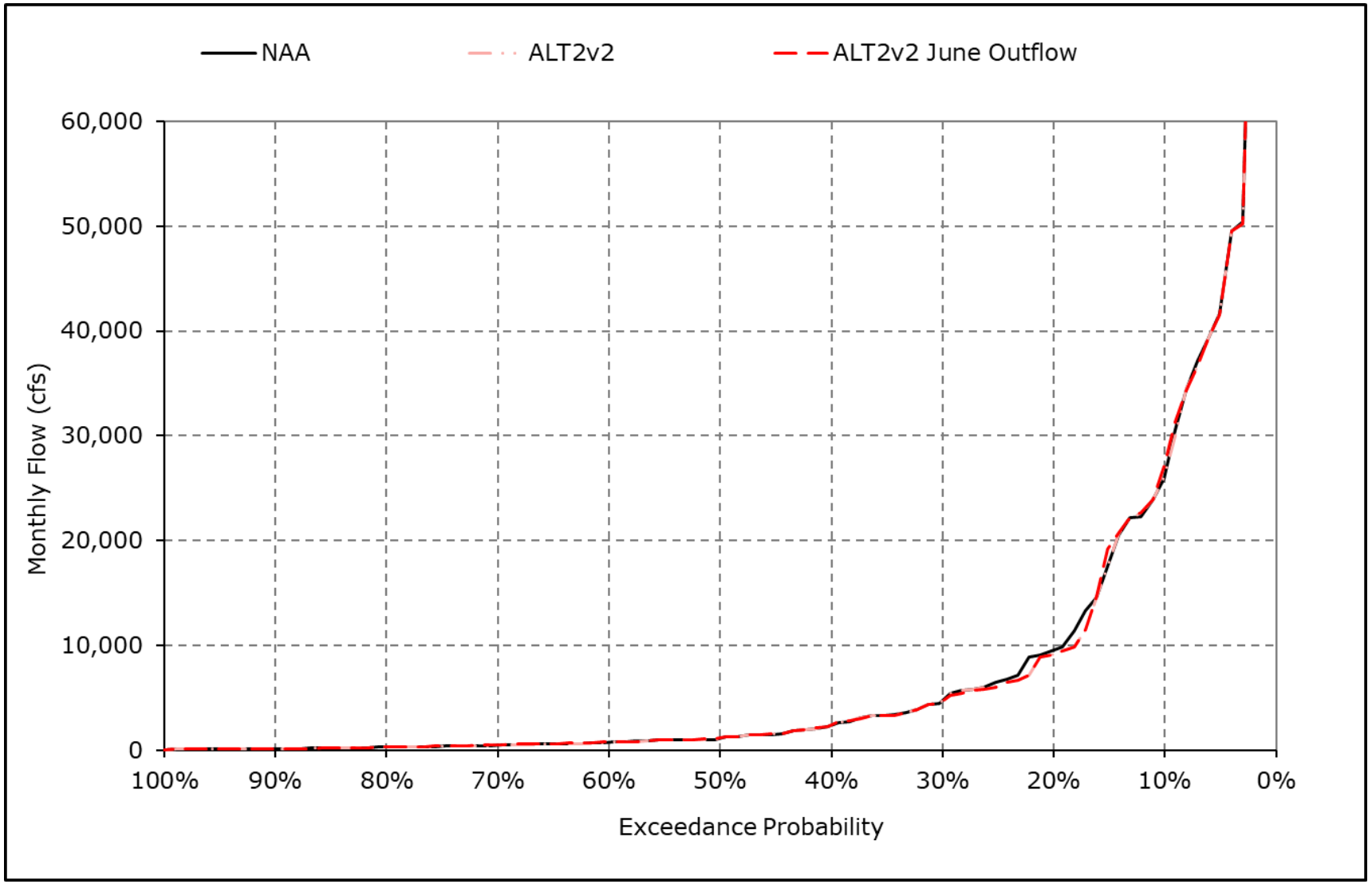
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-10. Yolo Bypass Flow, January



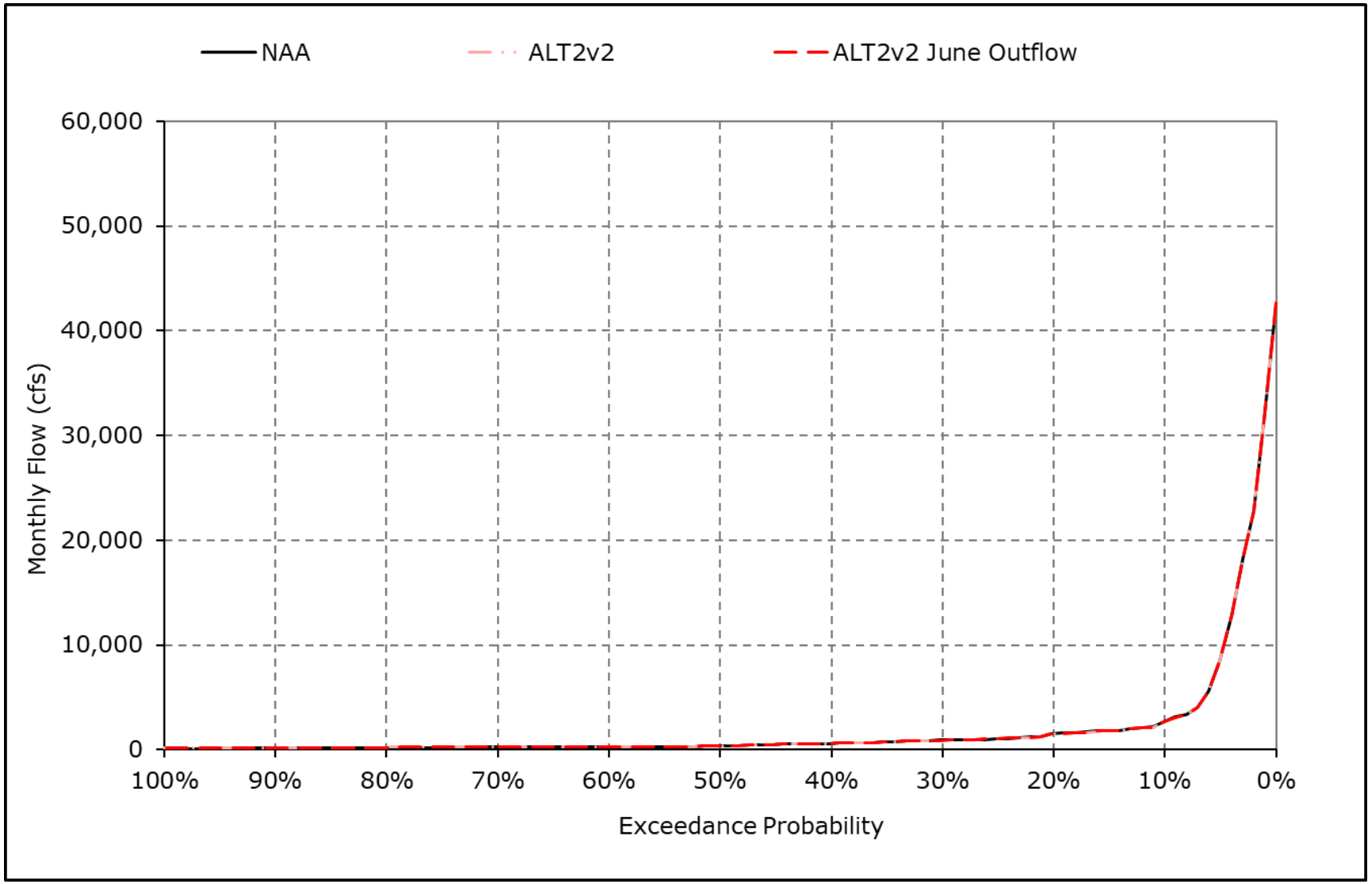
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-11. Yolo Bypass Flow, February



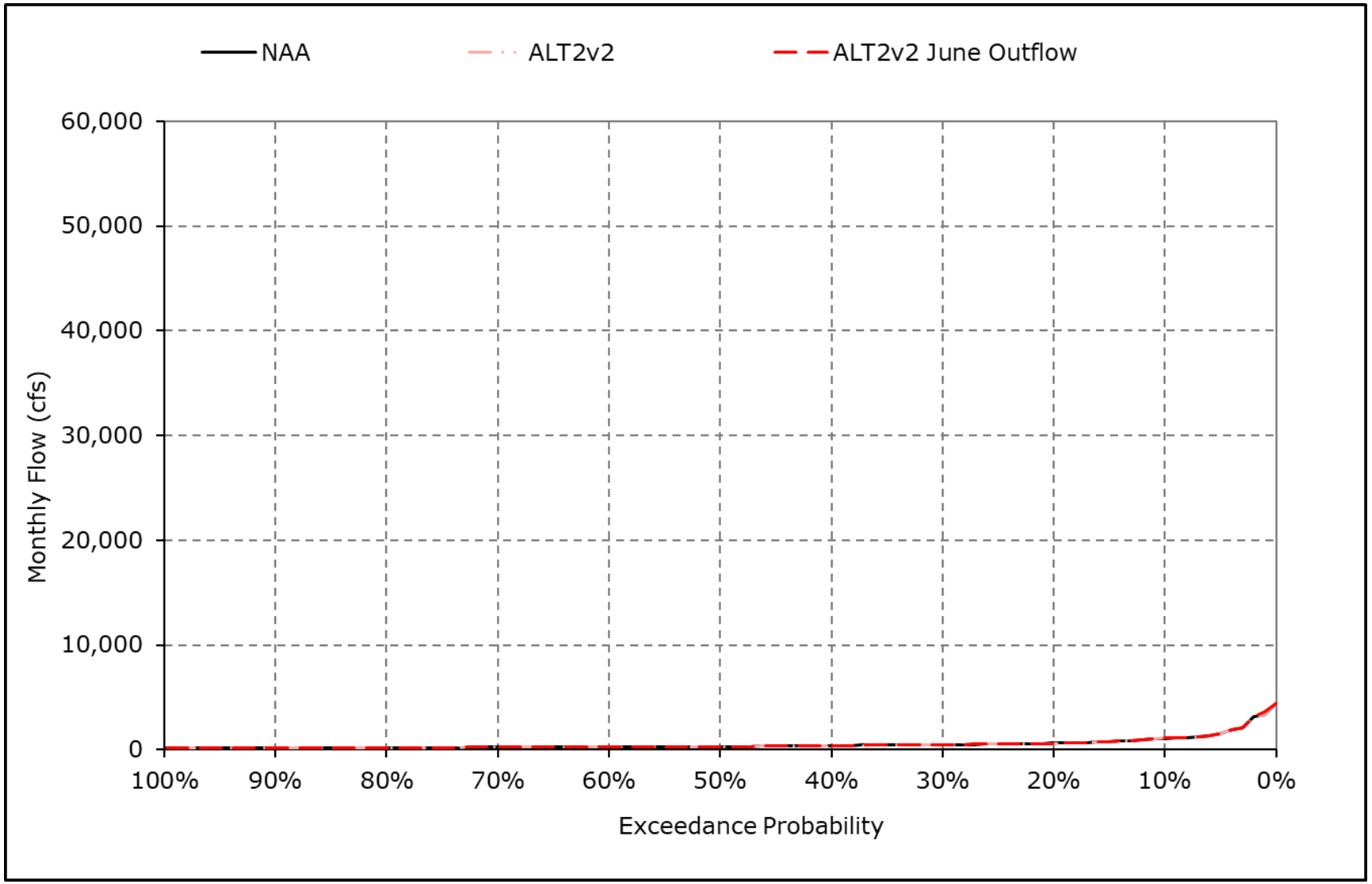
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-12. Yolo Bypass Flow, March



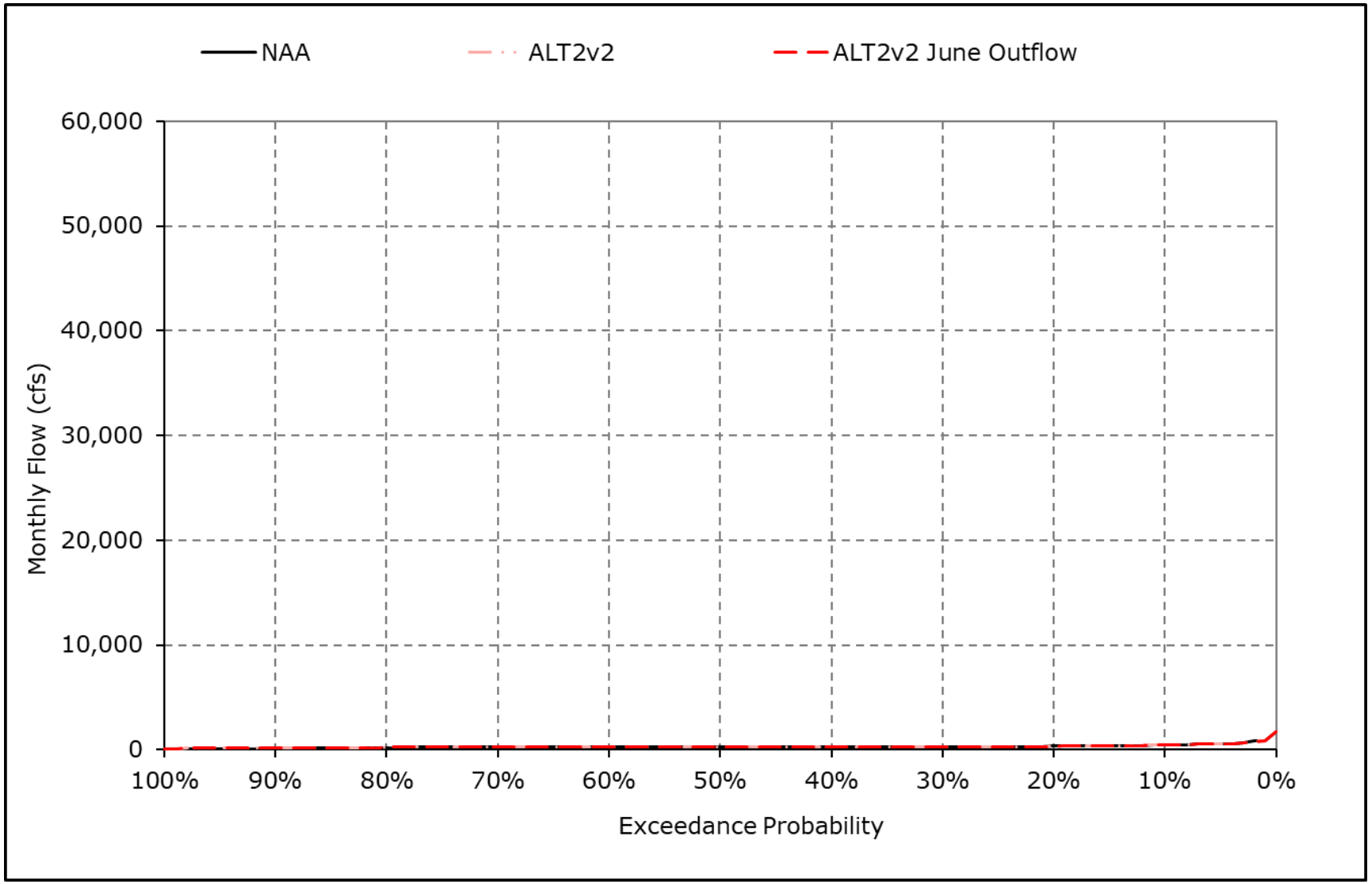
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-13. Yolo Bypass Flow, April



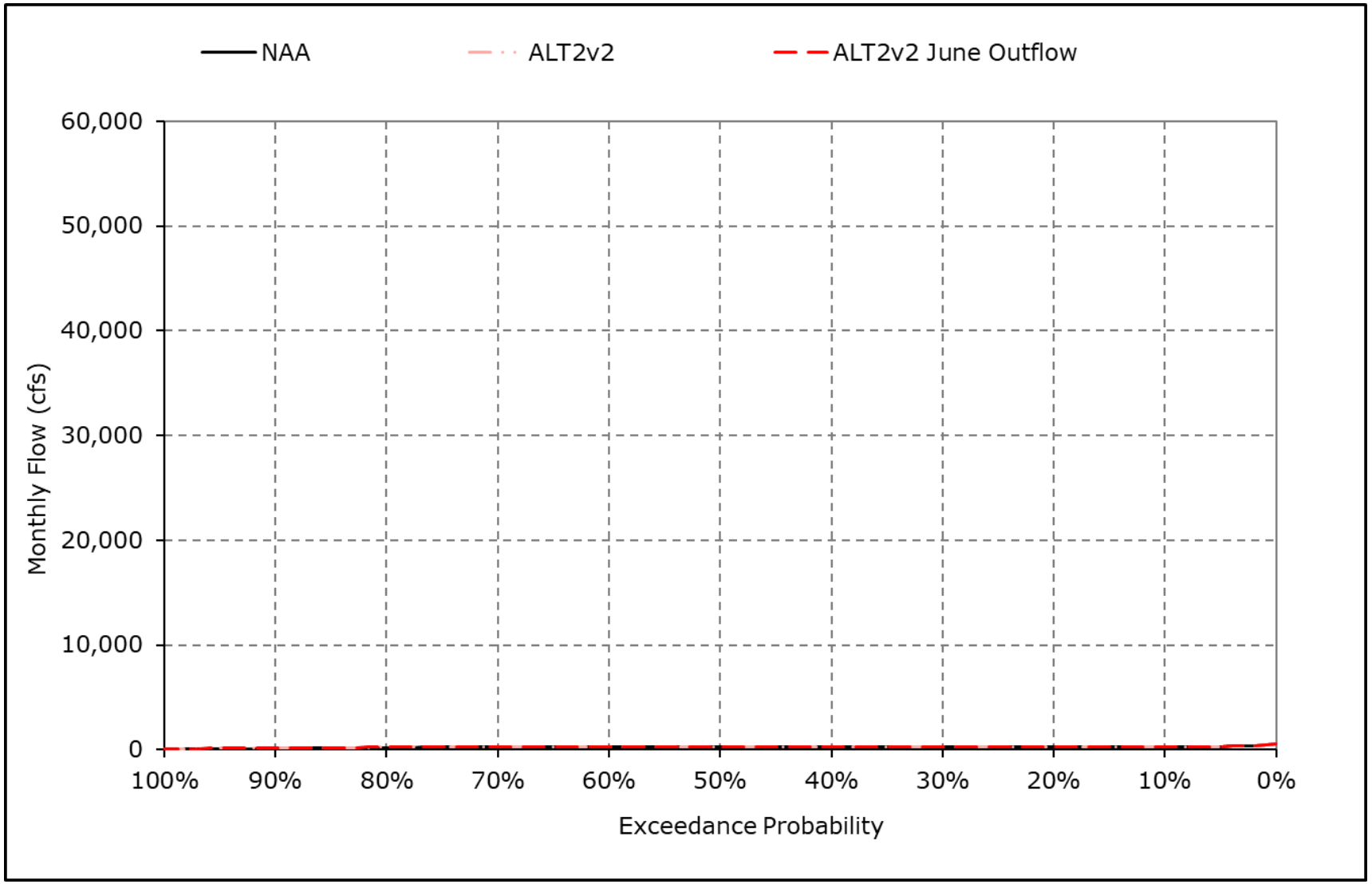
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-14. Yolo Bypass Flow, May



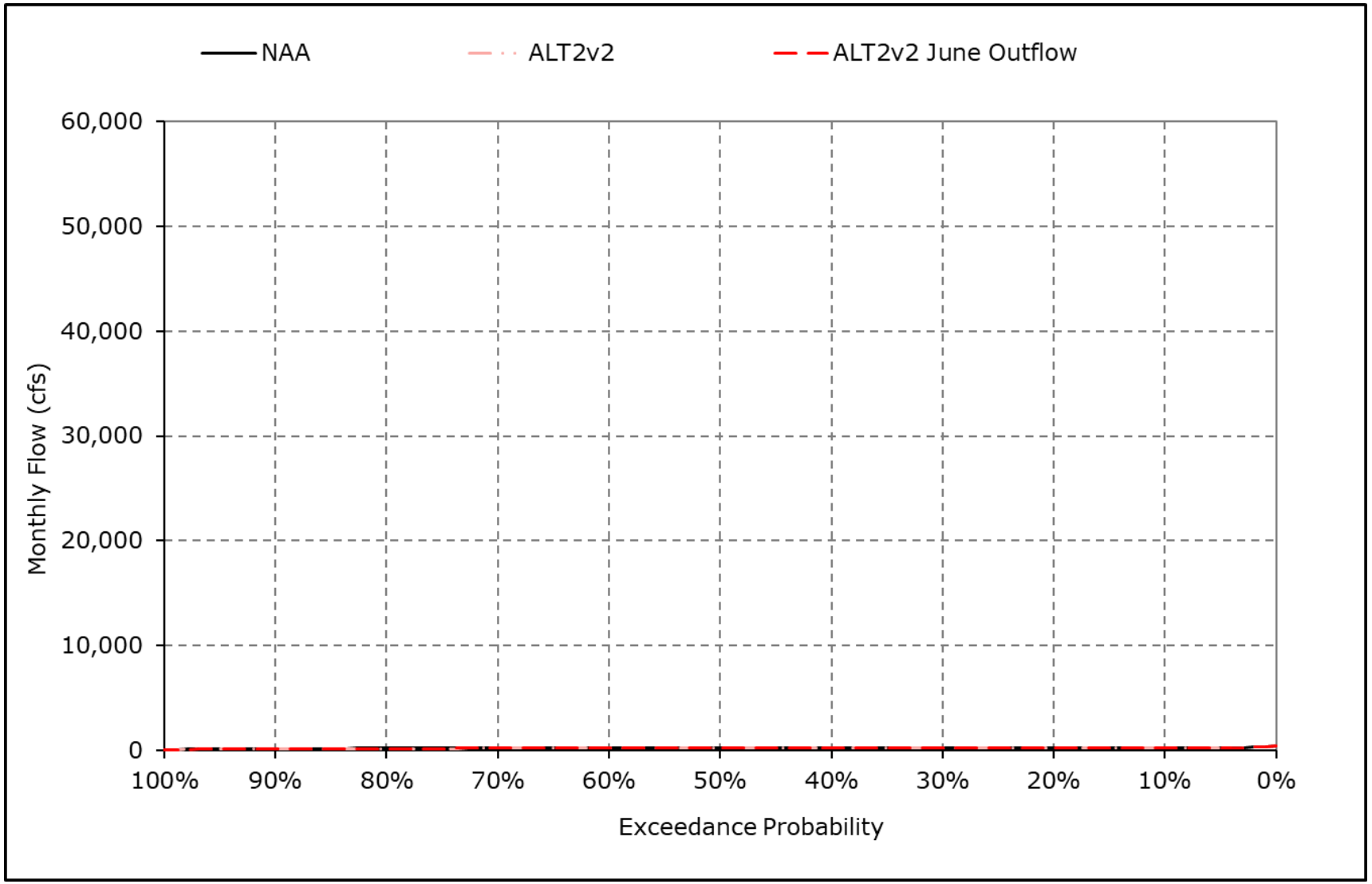
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-11-15. Yolo Bypass Flow, June



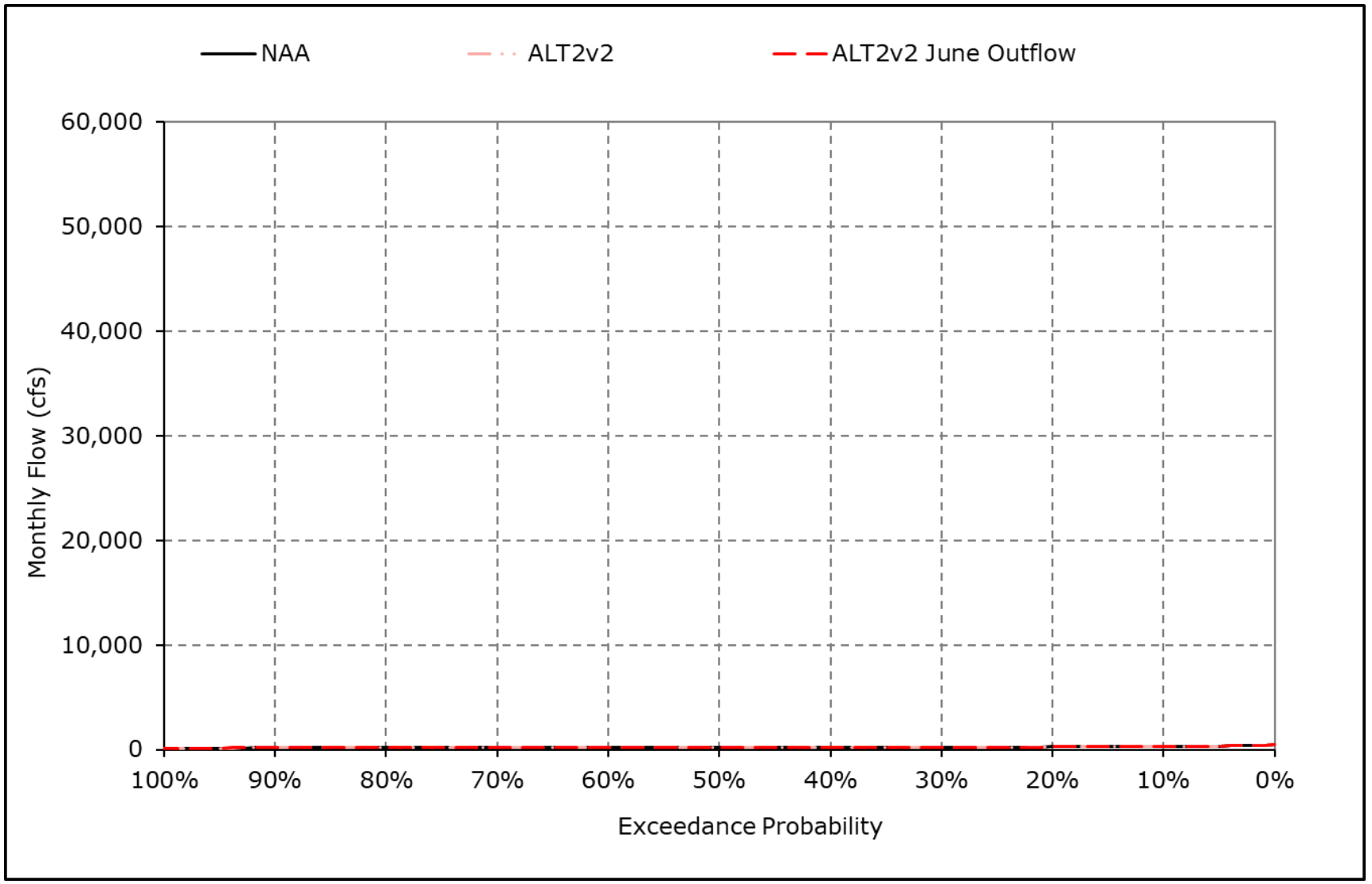
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-12-1c. American River below Nimbus Dam Flow, ALT2v2 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.2.2-12-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

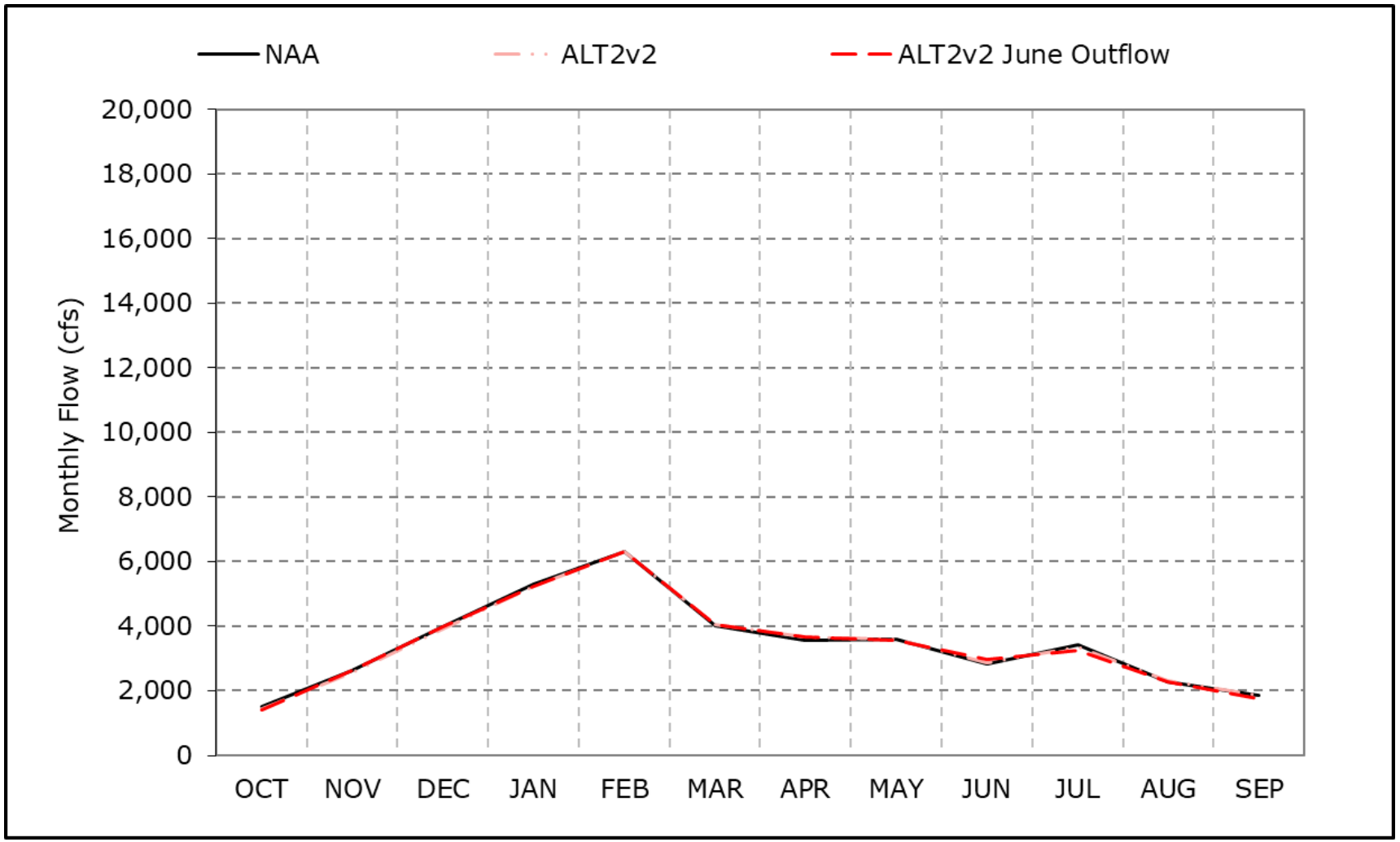
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,082	4,942	11,358	12,929	13,808	9,775	7,815	8,371	5,043	4,826	3,389	2,502
20% Exceedance	1,697	3,952	4,923	8,094	10,571	6,092	6,001	5,886	4,188	4,340	2,917	2,012
30% Exceedance	1,547	3,464	3,189	6,061	7,443	4,750	4,483	4,150	3,803	3,795	2,703	1,780
40% Exceedance	1,500	2,470	2,651	4,089	5,847	3,226	3,385	3,214	3,332	3,608	2,451	1,750
50% Exceedance	1,500	2,000	2,000	2,545	3,984	2,768	2,450	2,545	2,958	3,340	2,178	1,750
60% Exceedance	1,497	1,854	2,000	1,426	2,957	1,750	1,757	1,866	2,561	3,031	1,840	1,708
70% Exceedance	991	1,121	1,635	1,400	1,782	1,602	1,500	1,500	2,100	2,412	1,752	1,621
80% Exceedance	691	760	926	1,234	1,400	953	1,085	1,320	1,500	2,205	1,715	1,499
90% Exceedance	561	635	634	531	1,298	948	953	1,011	1,081	1,746	1,347	755
Full Simulation Period Average[a]	1,408	2,641	3,979	5,235	6,327	4,036	3,683	3,572	2,988	3,235	2,294	1,742
Wet Water Years (28%)	1,867	4,246	4,950	11,615	12,293	7,655	6,804	6,314	4,006	3,148	2,754	2,304
Above Normal Water Years (14%)	1,734	2,751	3,486	6,696	7,558	4,978	3,274	3,298	3,498	4,216	2,173	1,910
Below Normal Water Years (18%)	1,451	1,996	4,123	2,708	4,383	2,758	2,740	2,974	2,814	4,261	2,554	1,806
Dry Water Years (24%)	1,091	2,145	5,028	1,553	3,265	2,050	2,156	2,704	2,542	3,144	2,151	1,481
Critical Water Years (16%)	680	1,105	808	1,161	1,588	1,294	1,928	988	1,623	1,510	1,518	935

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

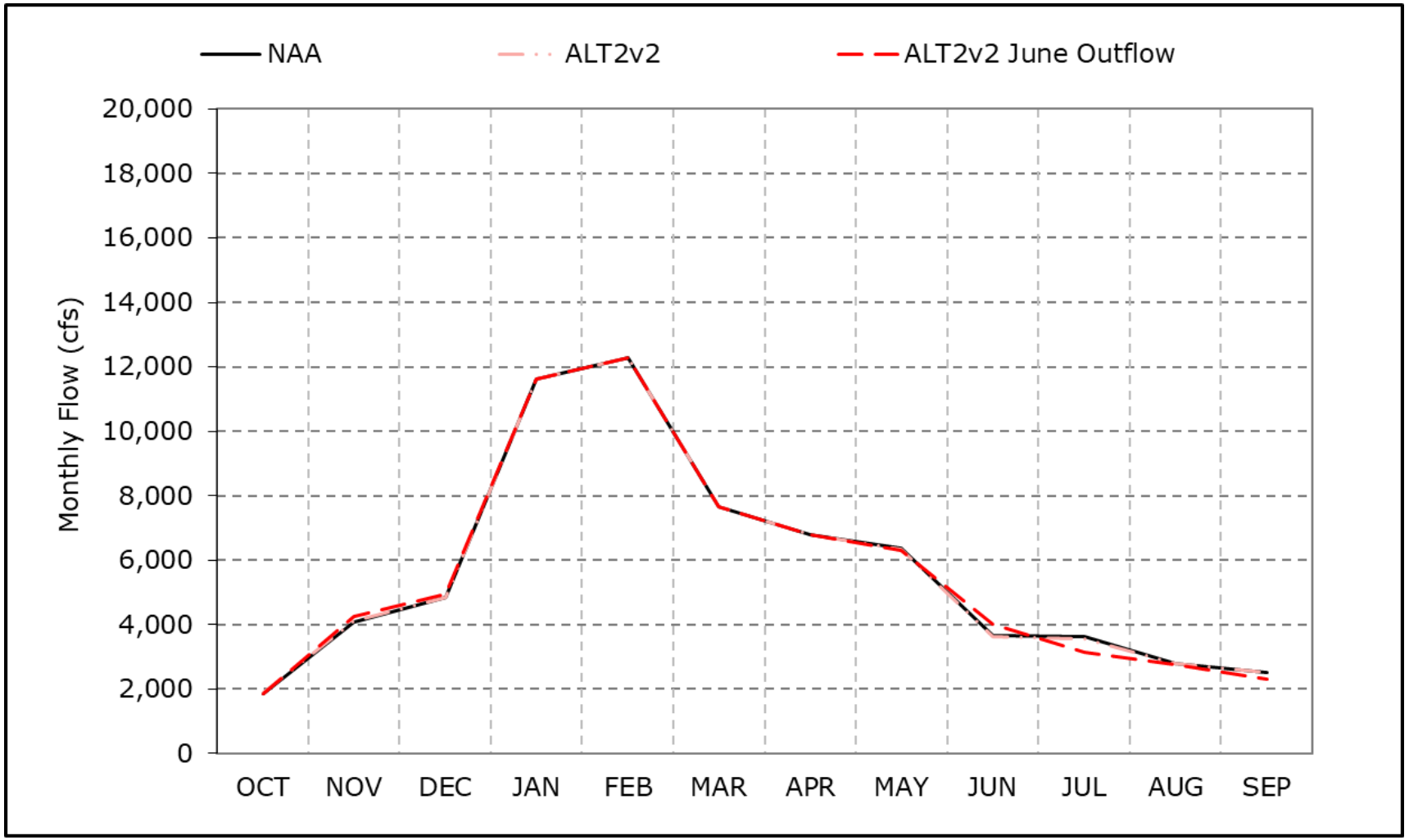
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-312	37	392	-9	-1	-7	-21	-20	36	-618	74	-323
20% Exceedance	-54	192	-39	-199	3	428	20	-121	247	-561	92	-552
30% Exceedance	-32	563	-56	53	106	111	440	-73	530	-501	68	-238
40% Exceedance	0	121	332	117	181	101	313	81	391	-235	114	0
50% Exceedance	0	0	0	-186	15	263	440	127	237	57	19	0
60% Exceedance	-3	-123	0	-289	-111	0	257	3	232	95	-79	-20
70% Exceedance	-151	-206	-276	-6	-36	12	230	0	187	-120	-43	-21
80% Exceedance	-71	-280	-221	-166	-76	-479	-84	51	-29	-1	40	-49
90% Exceedance	-56	-67	-54	-214	-102	-5	0	-45	76	16	-199	-162
Full Simulation Period Average[a]	-92	29	2	-79	10	14	132	-10	147	-205	9	-126
Wet Water Years (28%)	-3	179	96	-13	10	-4	1	-44	343	-483	-50	-210
Above Normal Water Years (14%)	-158	333	147	178	95	13	-21	-26	187	-402	-86	-373
Below Normal Water Years (18%)	-127	-16	11	-218	28	-22	-82	27	36	-296	105	56
Dry Water Years (24%)	-136	-132	-139	-115	68	-27	-16	213	-56	234	183	-49
Critical Water Years (16%)	-81	-242	-102	-207	-171	145	958	-314	198	-103	-171	-80

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



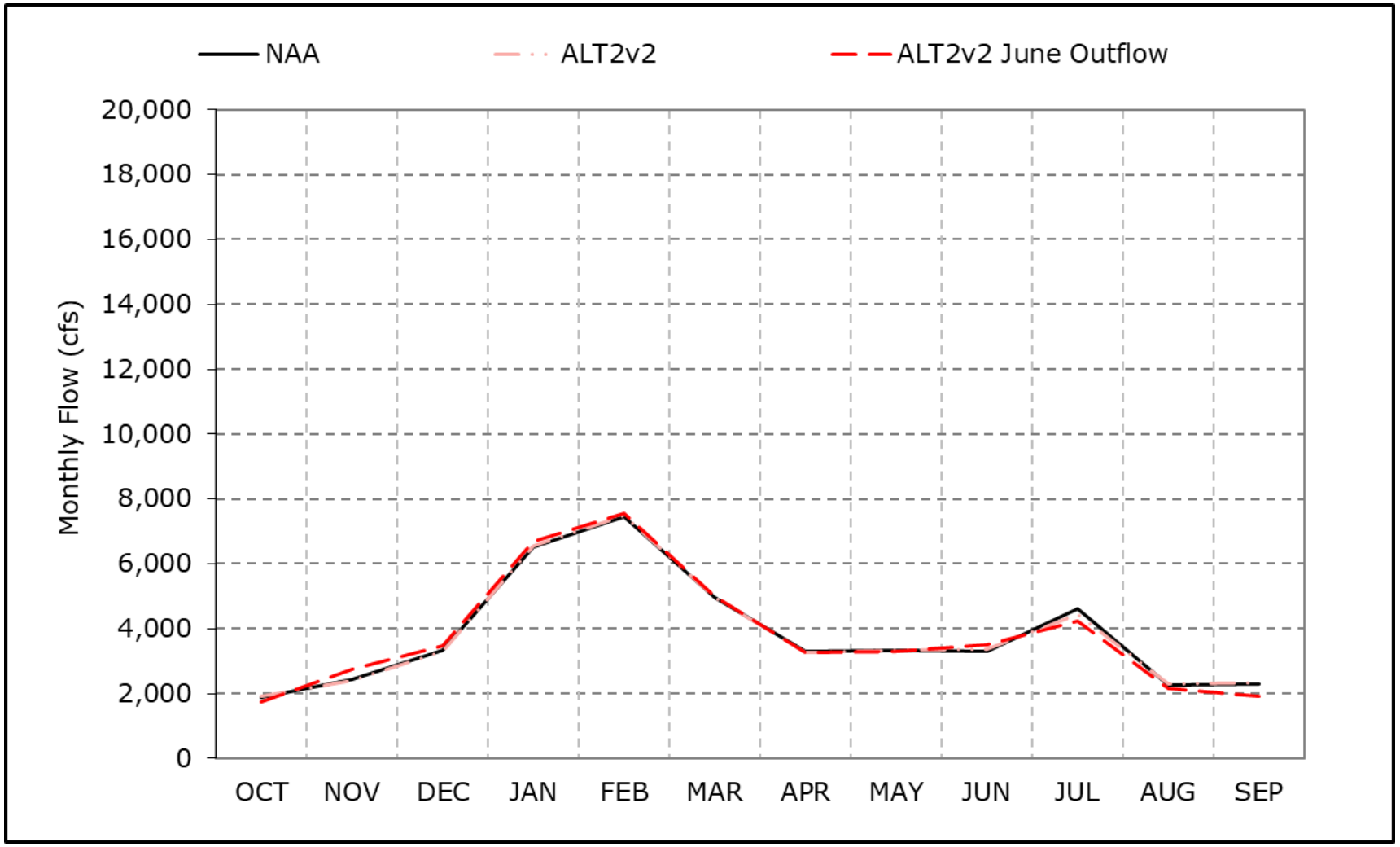
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-1. American River below Nimbus Dam Flow, Long-Term Average Flow



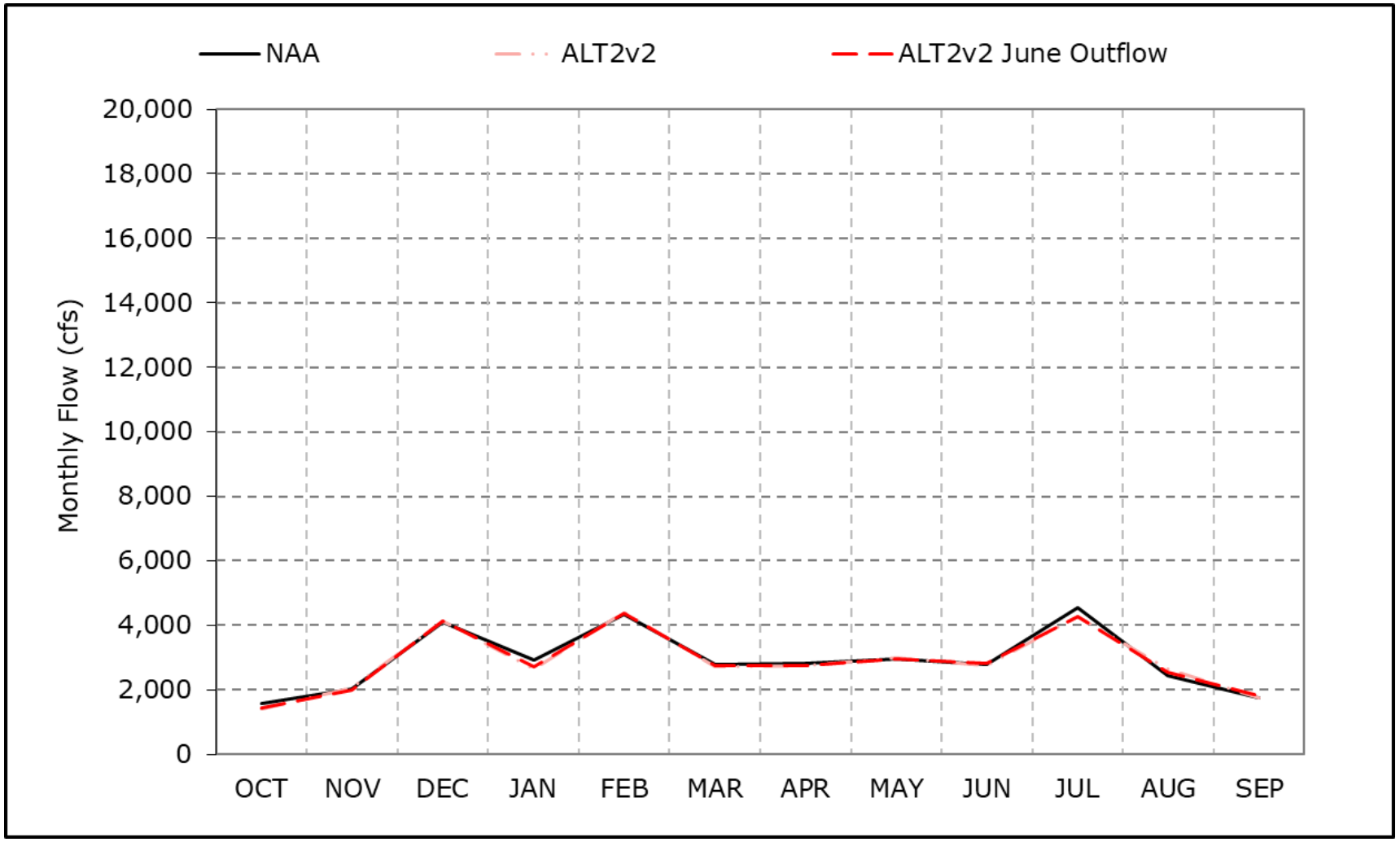
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-2. American River below Nimbus Dam Flow, Wet Year Average Flow



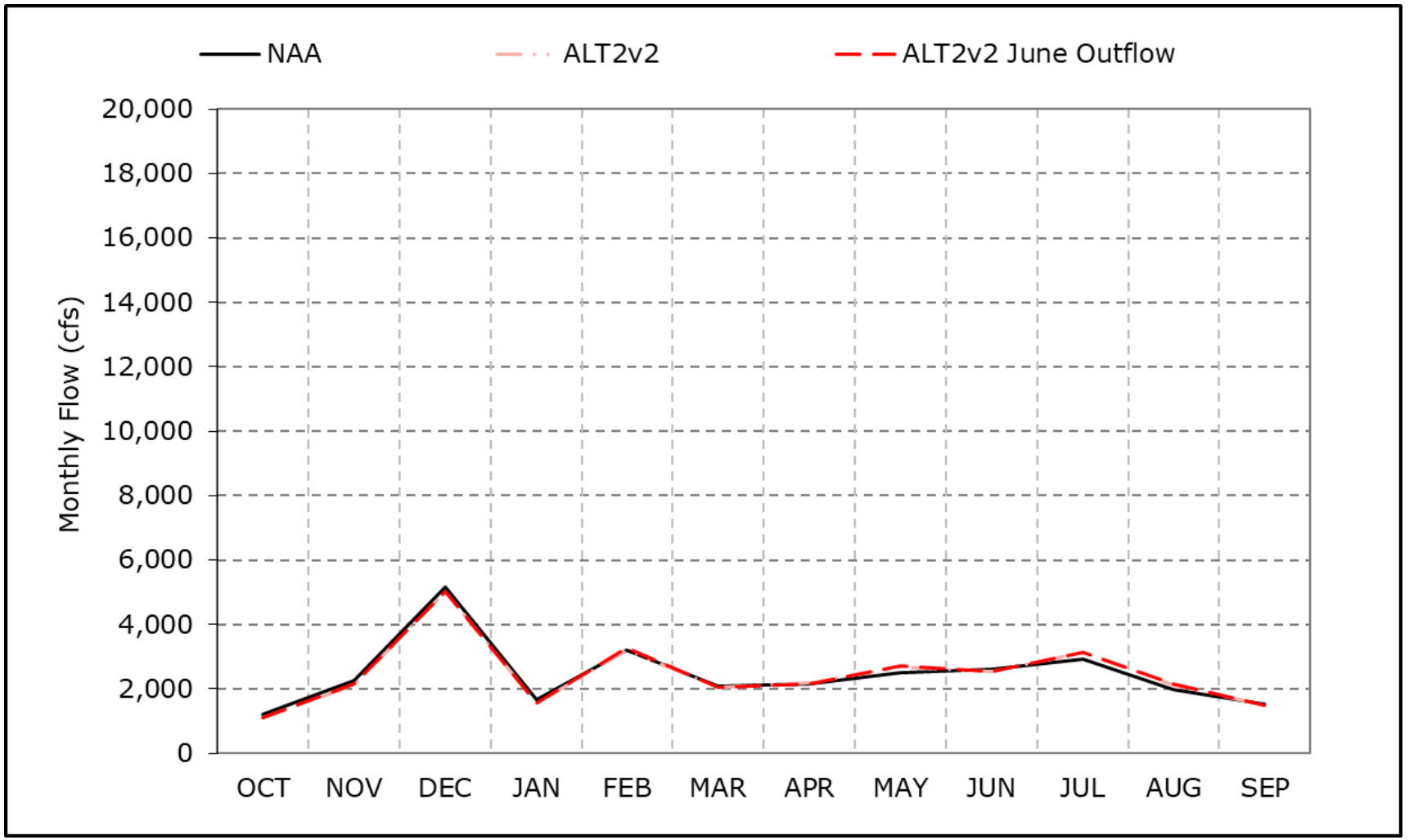
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-3. American River below Nimbus Dam Flow, Above Normal Year Average Flow



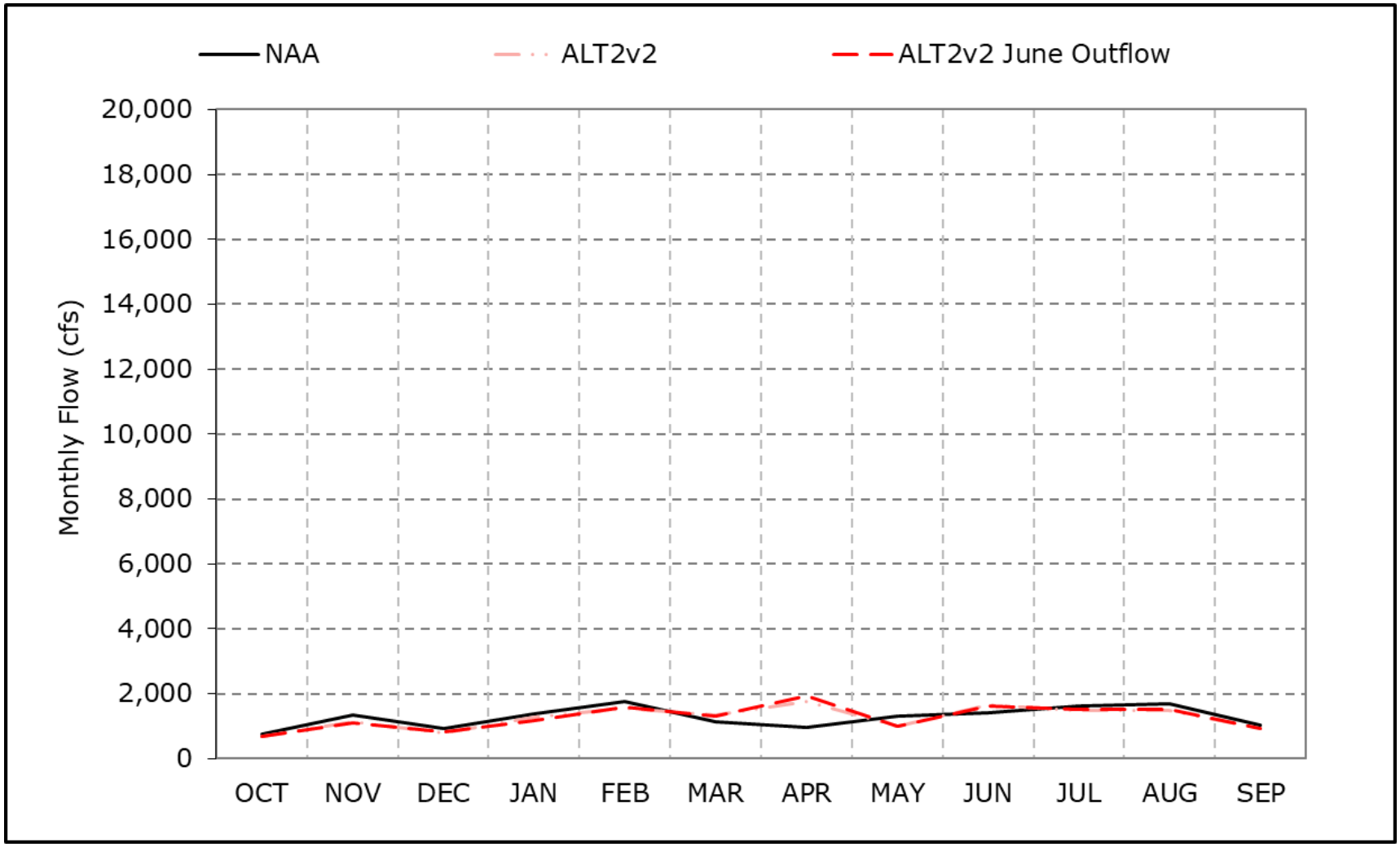
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-4. American River below Nimbus Dam Flow, Below Normal Year Average Flow



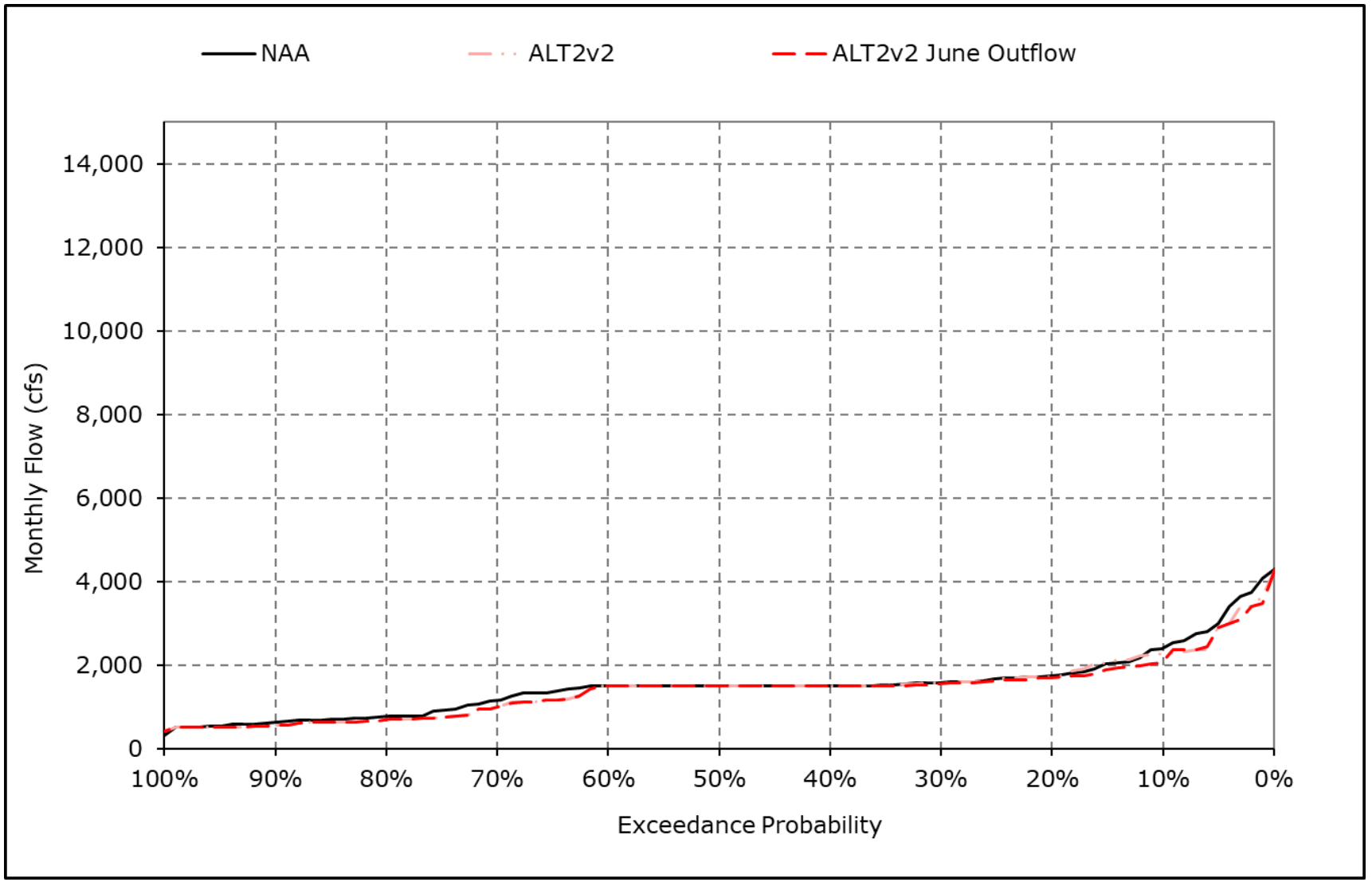
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-5. American River below Nimbus Dam Flow, Dry Year Average Flow



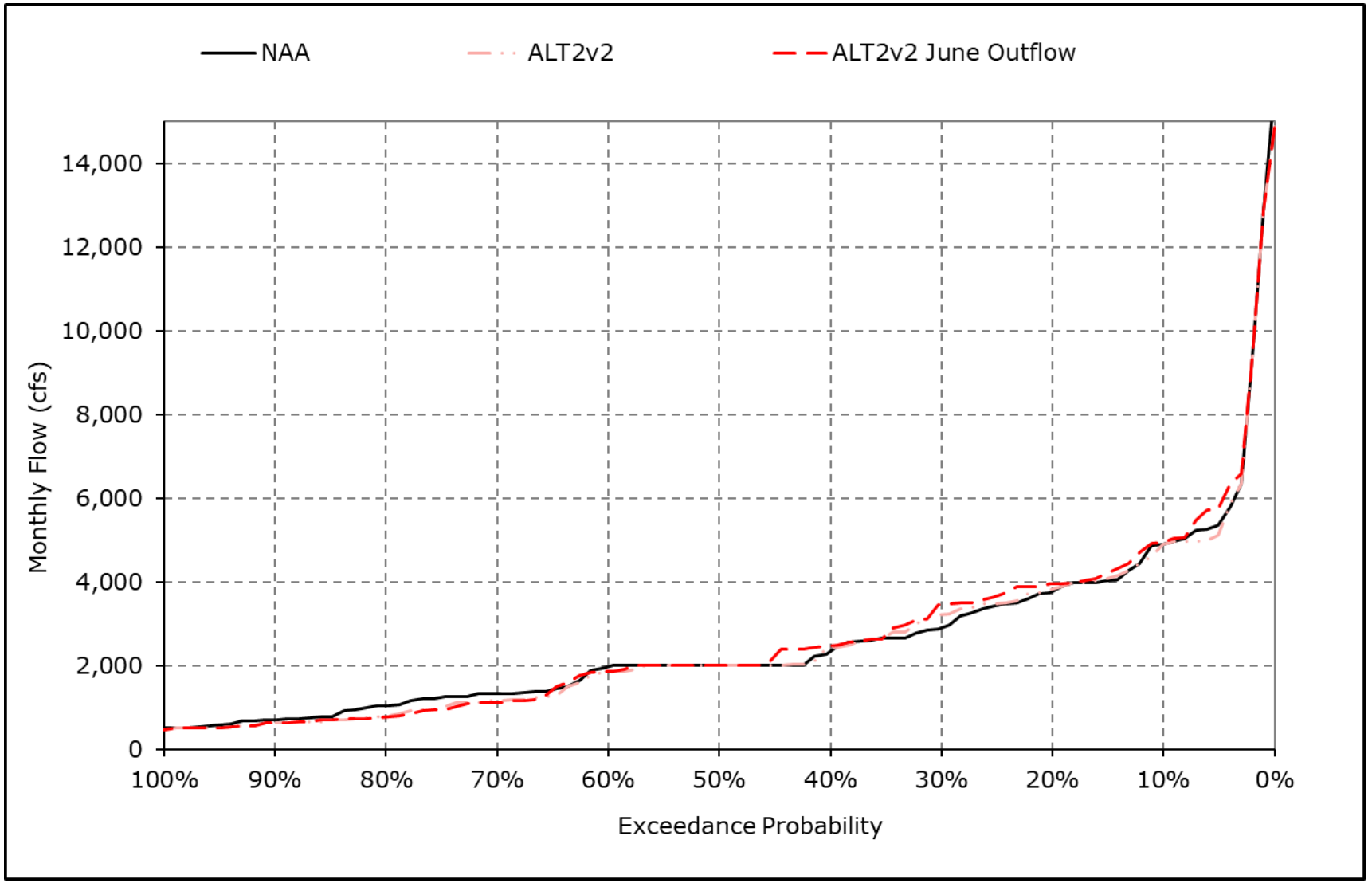
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-12-6. American River below Nimbus Dam Flow, Critical Year Average Flow



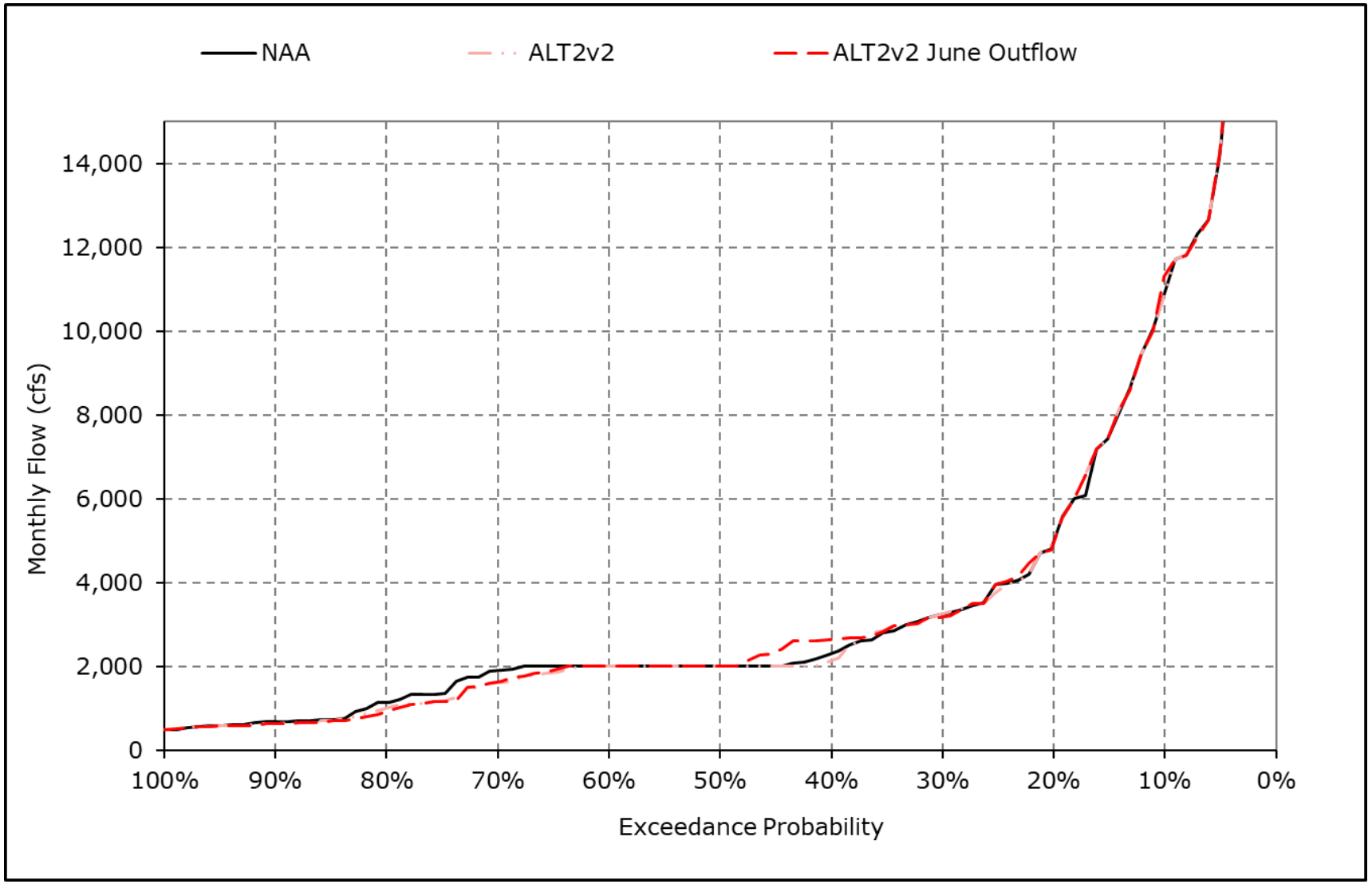
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-7. American River below Nimbus Dam Flow, October



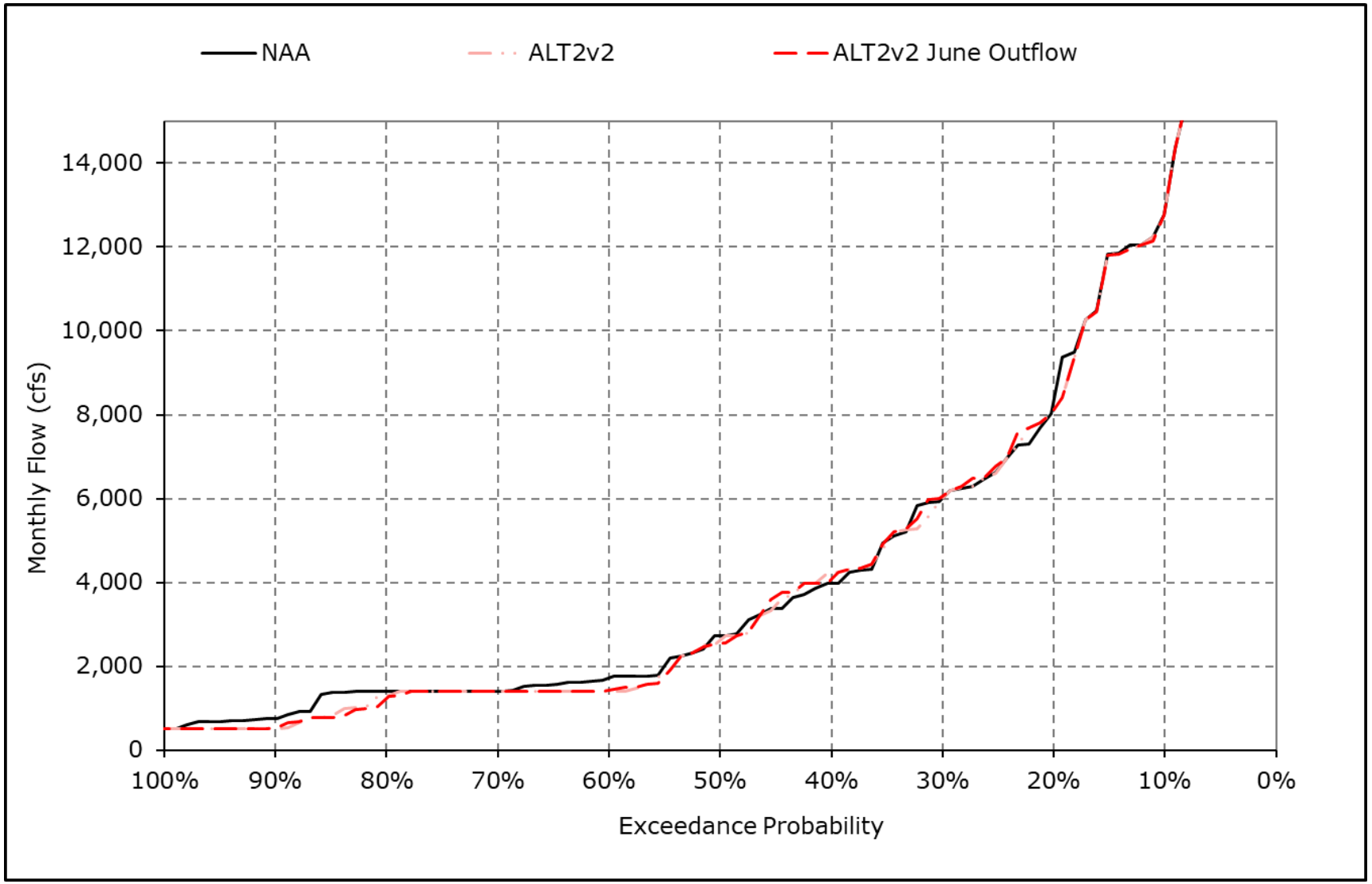
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-8. American River below Nimbus Dam Flow, November



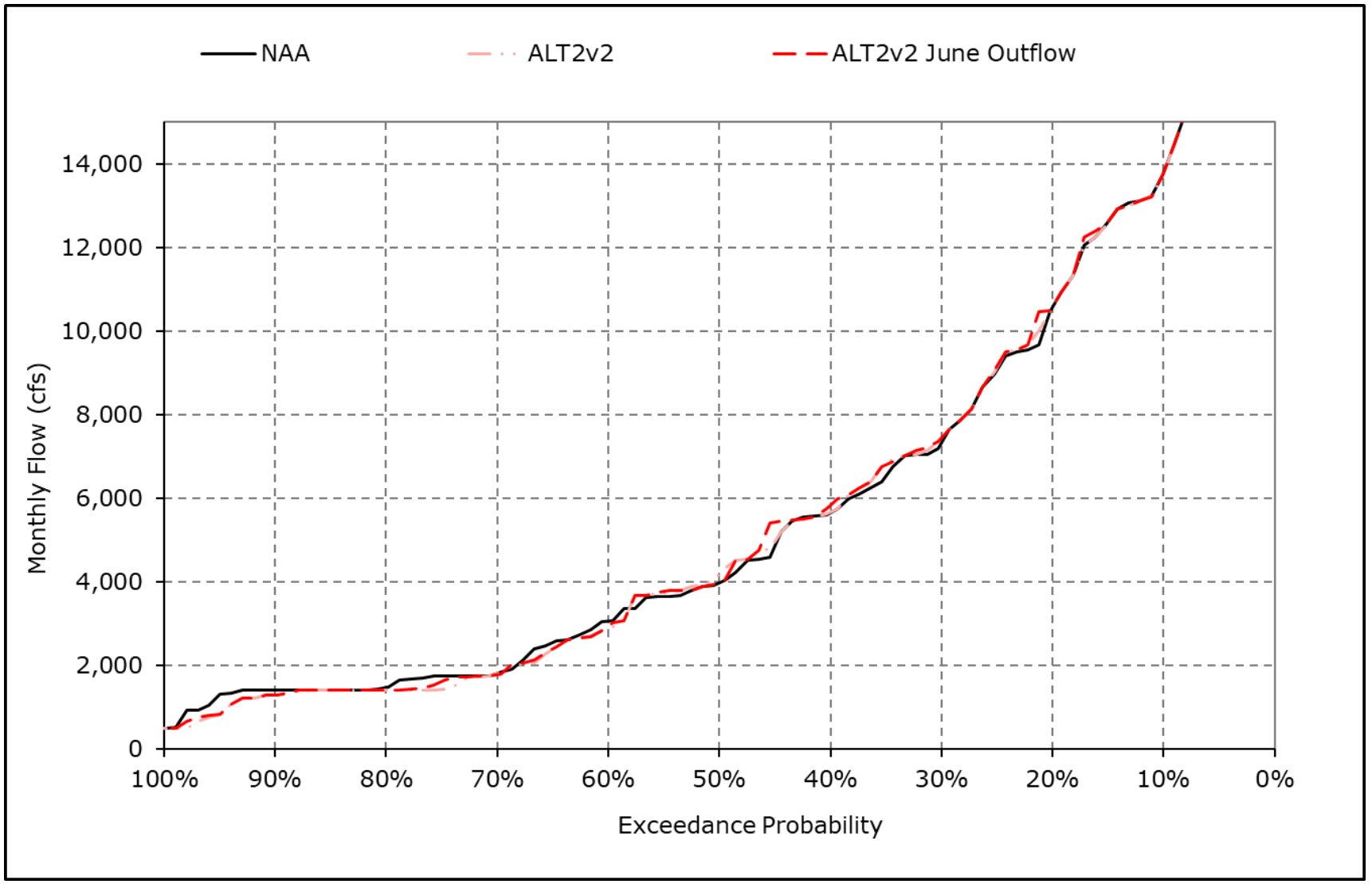
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-9. American River below Nimbus Dam Flow, December



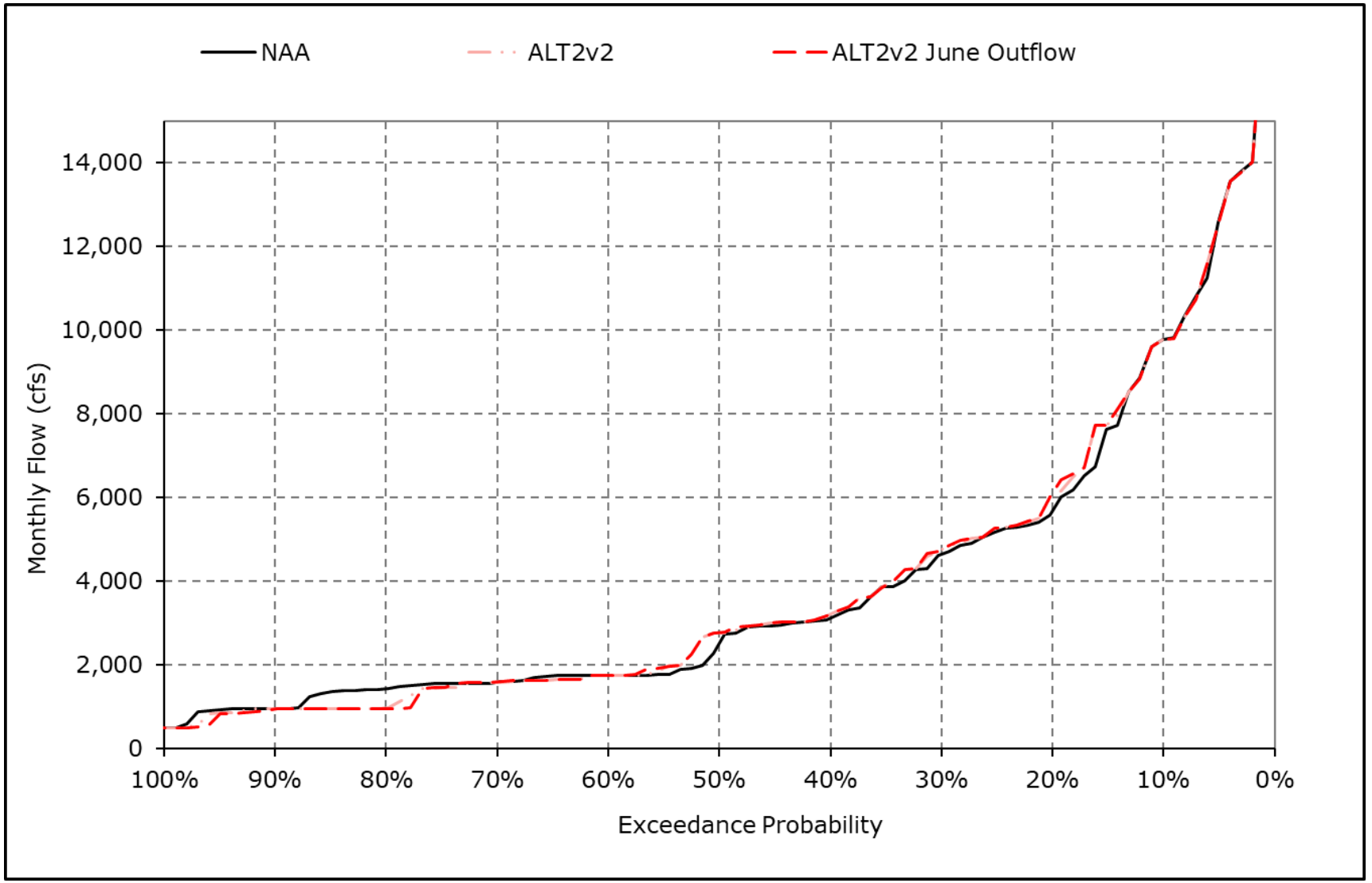
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-10. American River below Nimbus Dam Flow, January



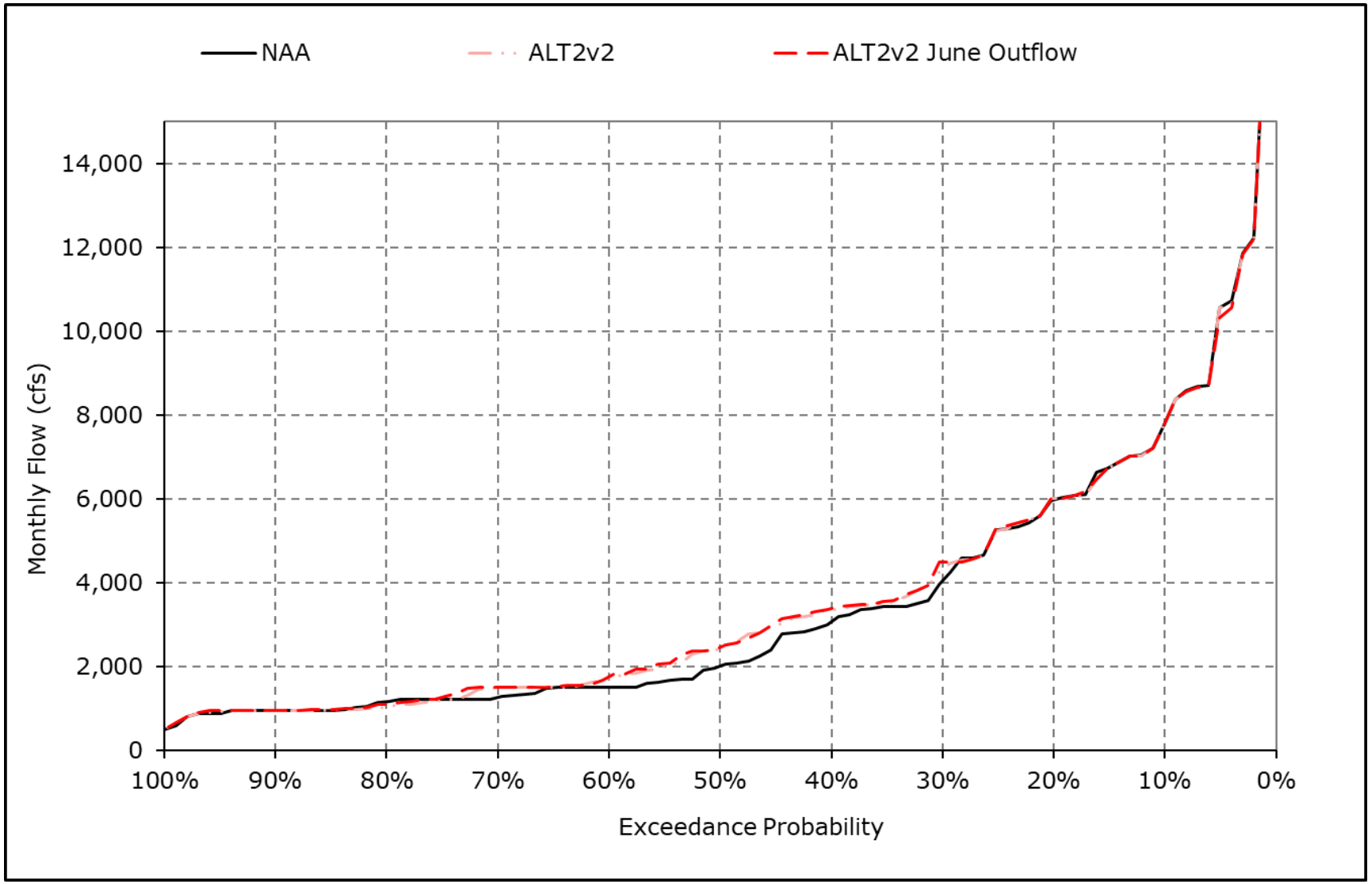
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-11. American River below Nimbus Dam Flow, February



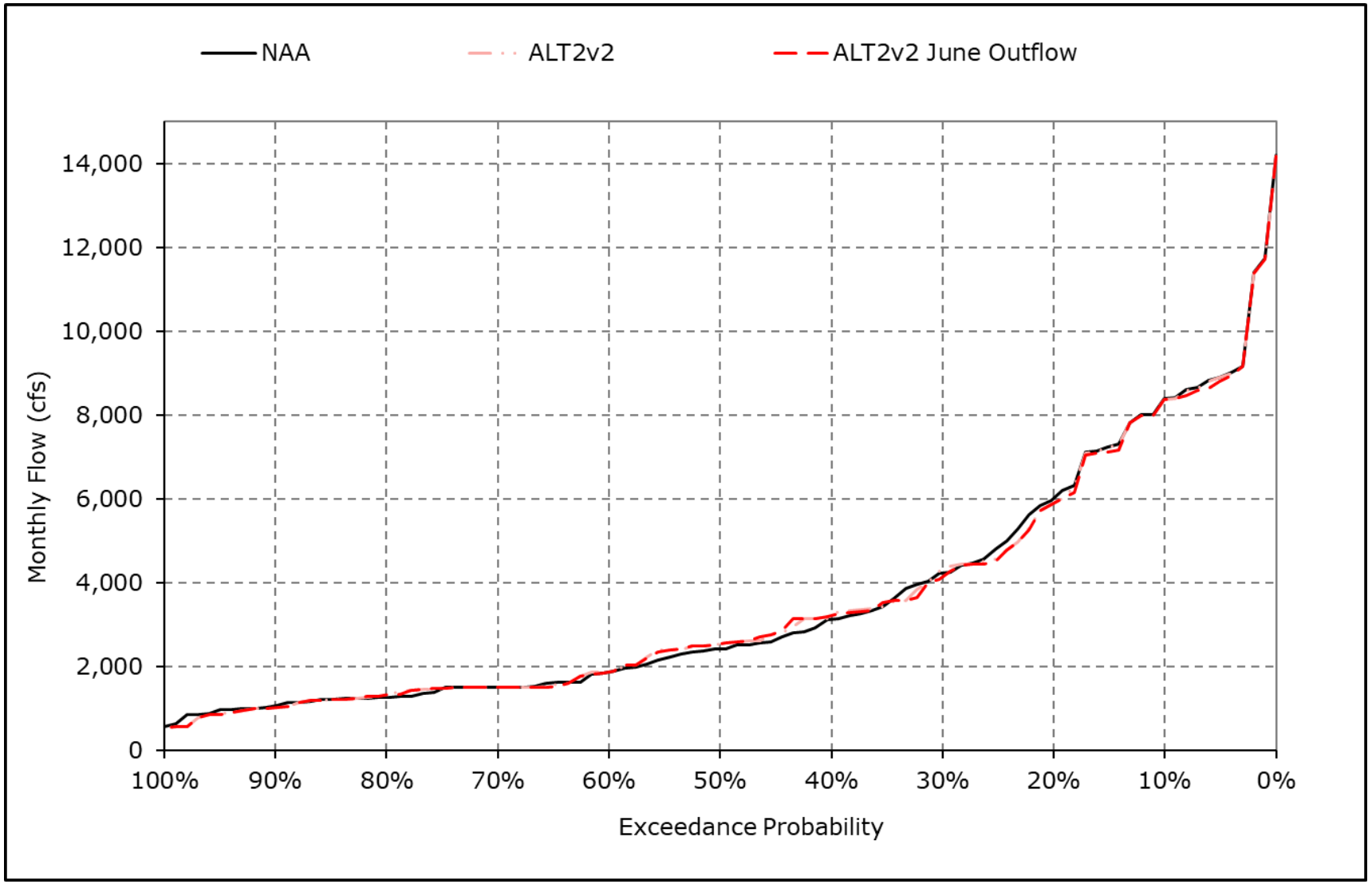
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-12. American River below Nimbus Dam Flow, March



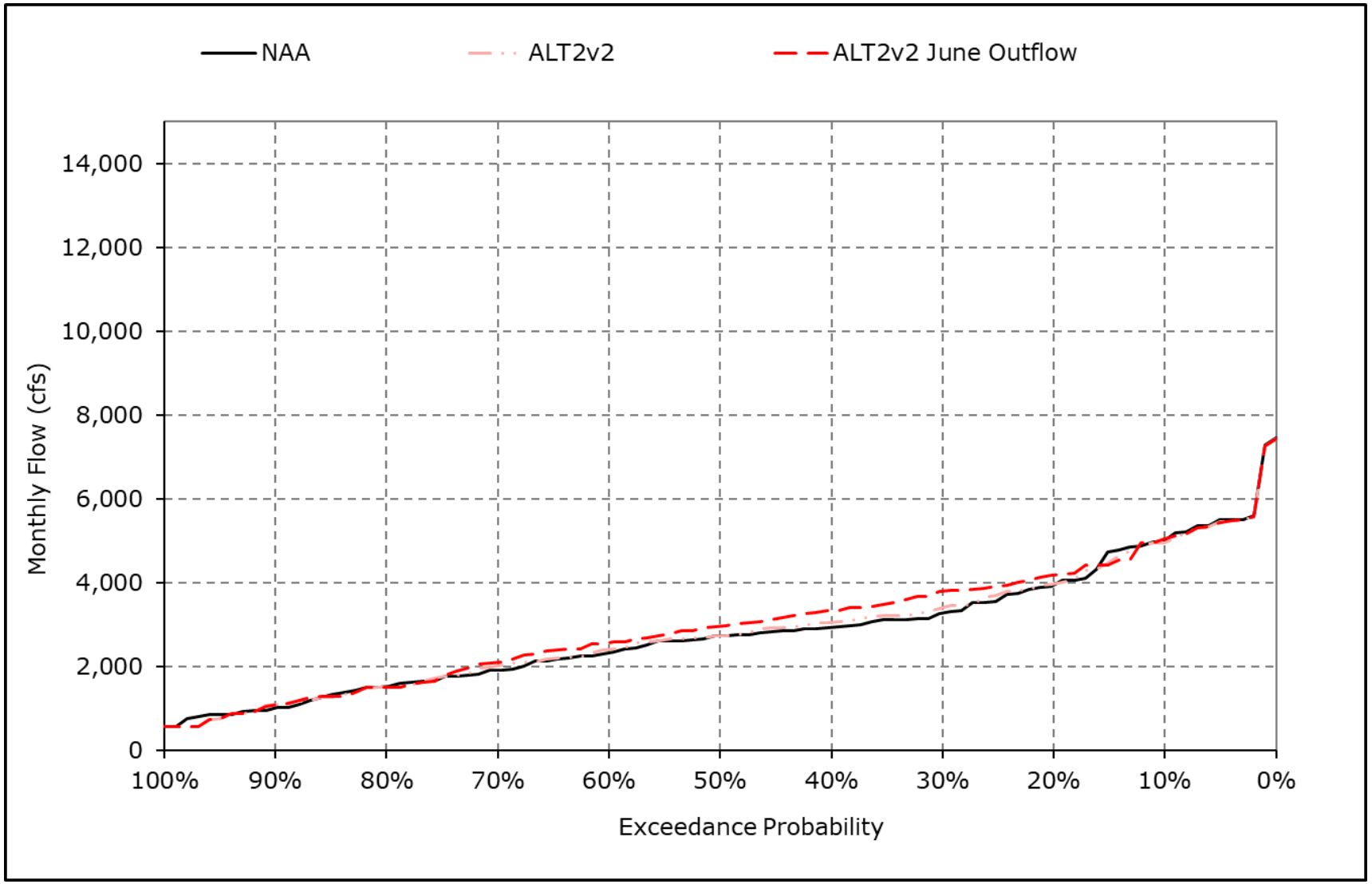
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-13. American River below Nimbus Dam Flow, April



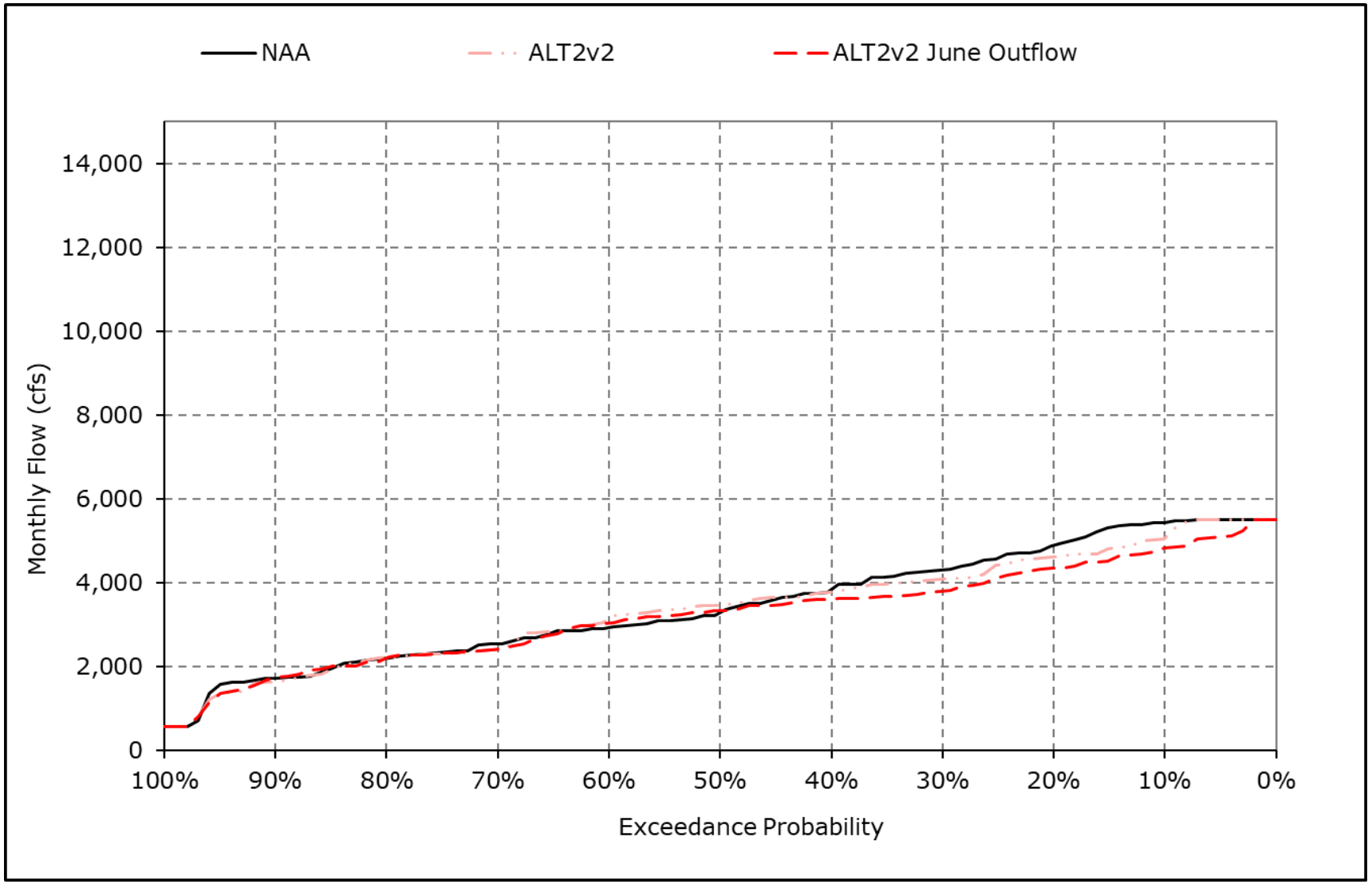
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-14. American River below Nimbus Dam Flow, May



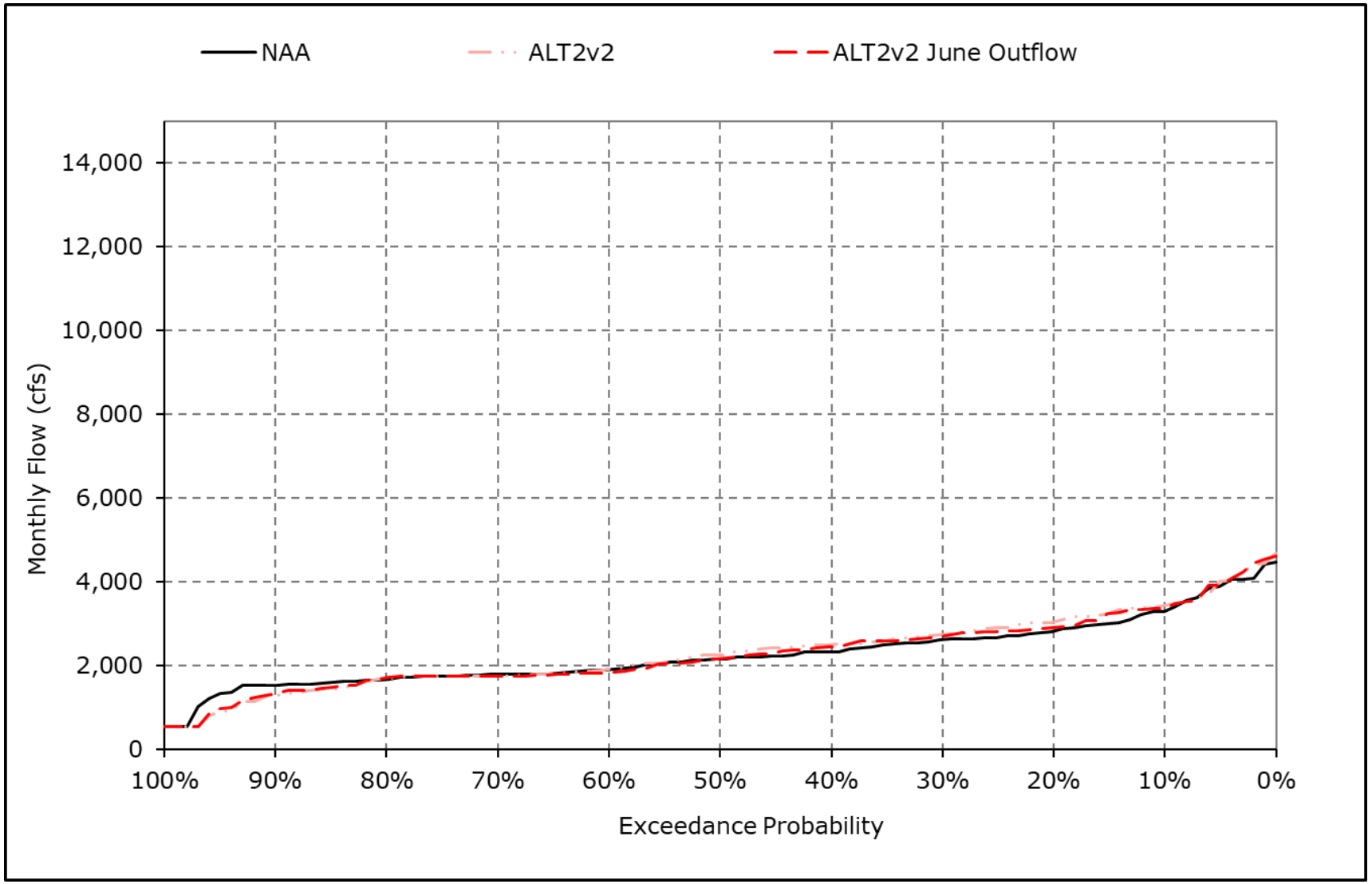
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-12-15. American River below Nimbus Dam Flow, June



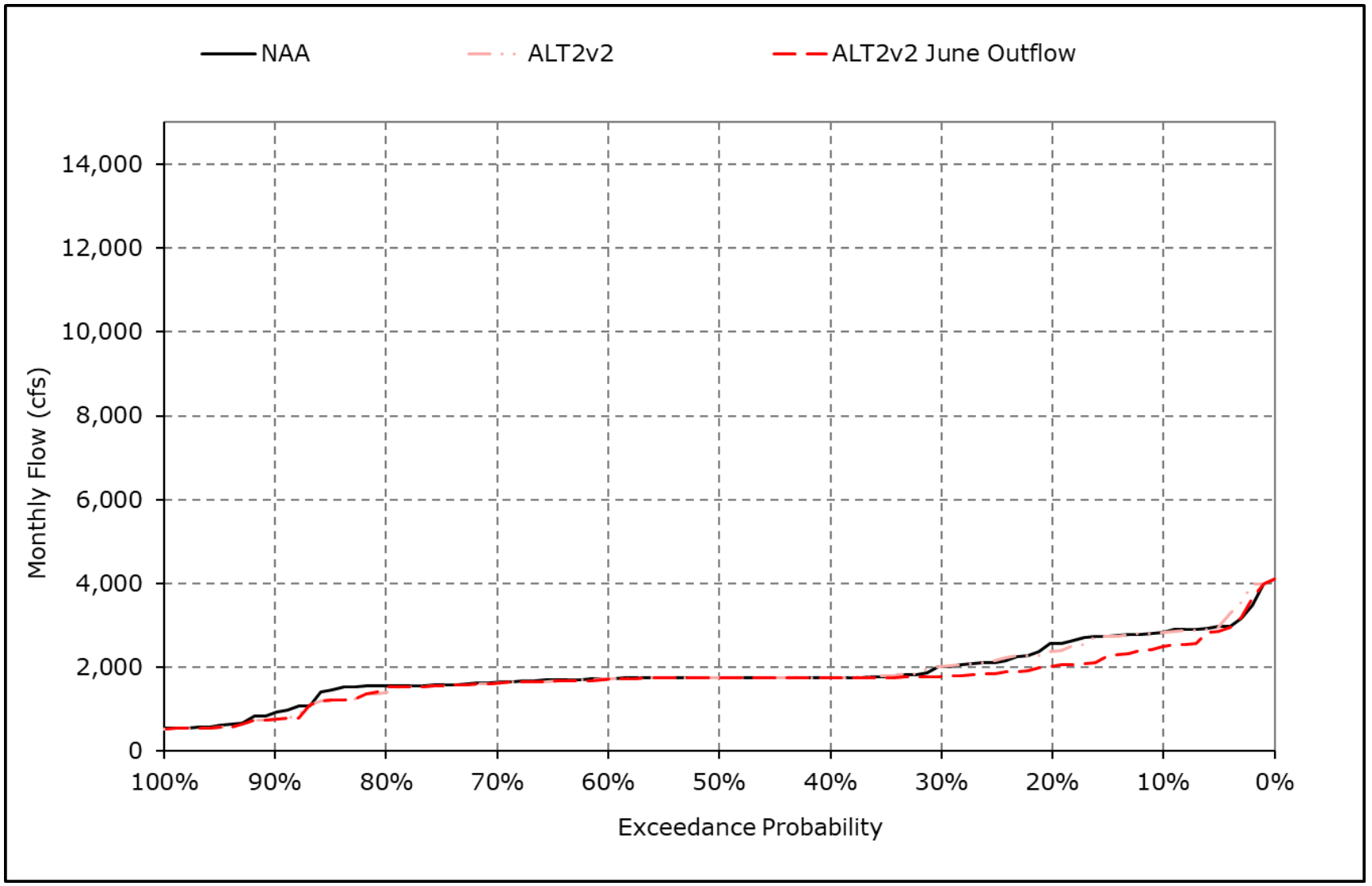
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-13-1c. American River at H Street, ALT2v2 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.2.2-13-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

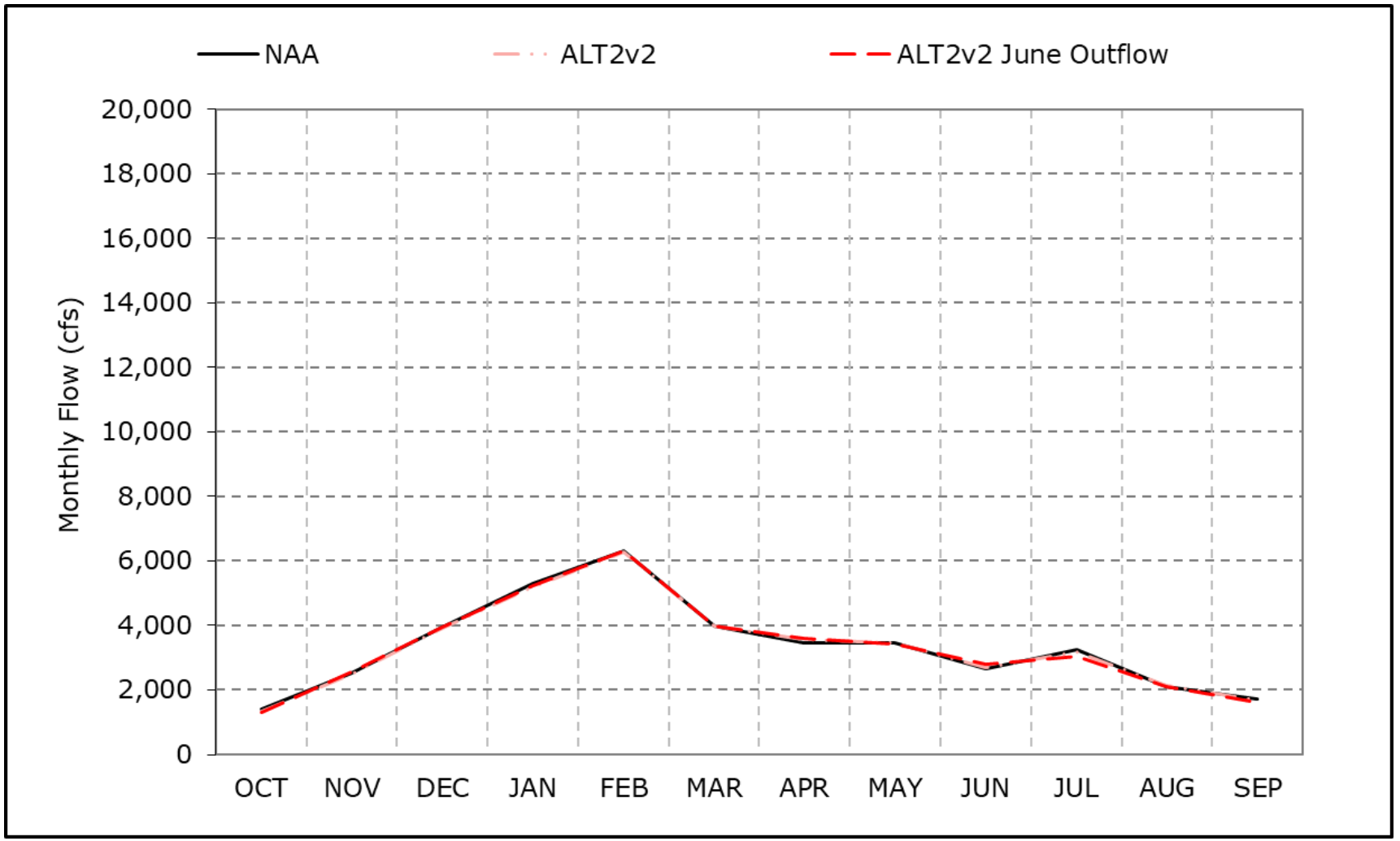
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,954	4,874	11,442	12,869	13,927	9,749	7,734	8,239	4,859	4,615	3,241	2,329
20% Exceedance	1,609	3,855	4,861	8,101	10,619	6,028	5,944	5,738	4,032	4,142	2,742	1,842
30% Exceedance	1,464	3,359	3,306	5,979	7,458	4,747	4,367	4,018	3,604	3,607	2,519	1,663
40% Exceedance	1,406	2,350	2,599	4,061	5,839	3,176	3,276	3,060	3,147	3,408	2,248	1,627
50% Exceedance	1,388	1,933	1,957	2,563	3,890	2,714	2,342	2,417	2,787	3,150	1,983	1,613
60% Exceedance	1,374	1,775	1,922	1,410	2,889	1,698	1,667	1,738	2,401	2,830	1,662	1,565
70% Exceedance	874	1,082	1,630	1,338	1,918	1,528	1,439	1,403	1,943	2,240	1,600	1,480
80% Exceedance	585	760	915	1,166	1,381	919	1,007	1,177	1,335	2,014	1,535	1,358
90% Exceedance	436	528	589	583	1,244	864	864	874	887	1,548	1,163	612
Full Simulation Period Average[a]	1,305	2,565	3,955	5,219	6,317	3,989	3,603	3,443	2,816	3,039	2,113	1,600
Wet Water Years (28%)	1,766	4,178	4,921	11,633	12,316	7,639	6,759	6,201	3,857	2,973	2,585	2,161
Above Normal Water Years (14%)	1,626	2,672	3,479	6,716	7,588	4,934	3,195	3,174	3,327	4,016	1,996	1,768
Below Normal Water Years (18%)	1,342	1,921	4,103	2,685	4,341	2,710	2,655	2,838	2,632	4,050	2,362	1,667
Dry Water Years (24%)	998	2,069	4,985	1,512	3,243	1,986	2,061	2,562	2,360	2,936	1,960	1,340
Critical Water Years (16%)	567	1,013	802	1,097	1,542	1,219	1,814	855	1,440	1,317	1,338	787

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

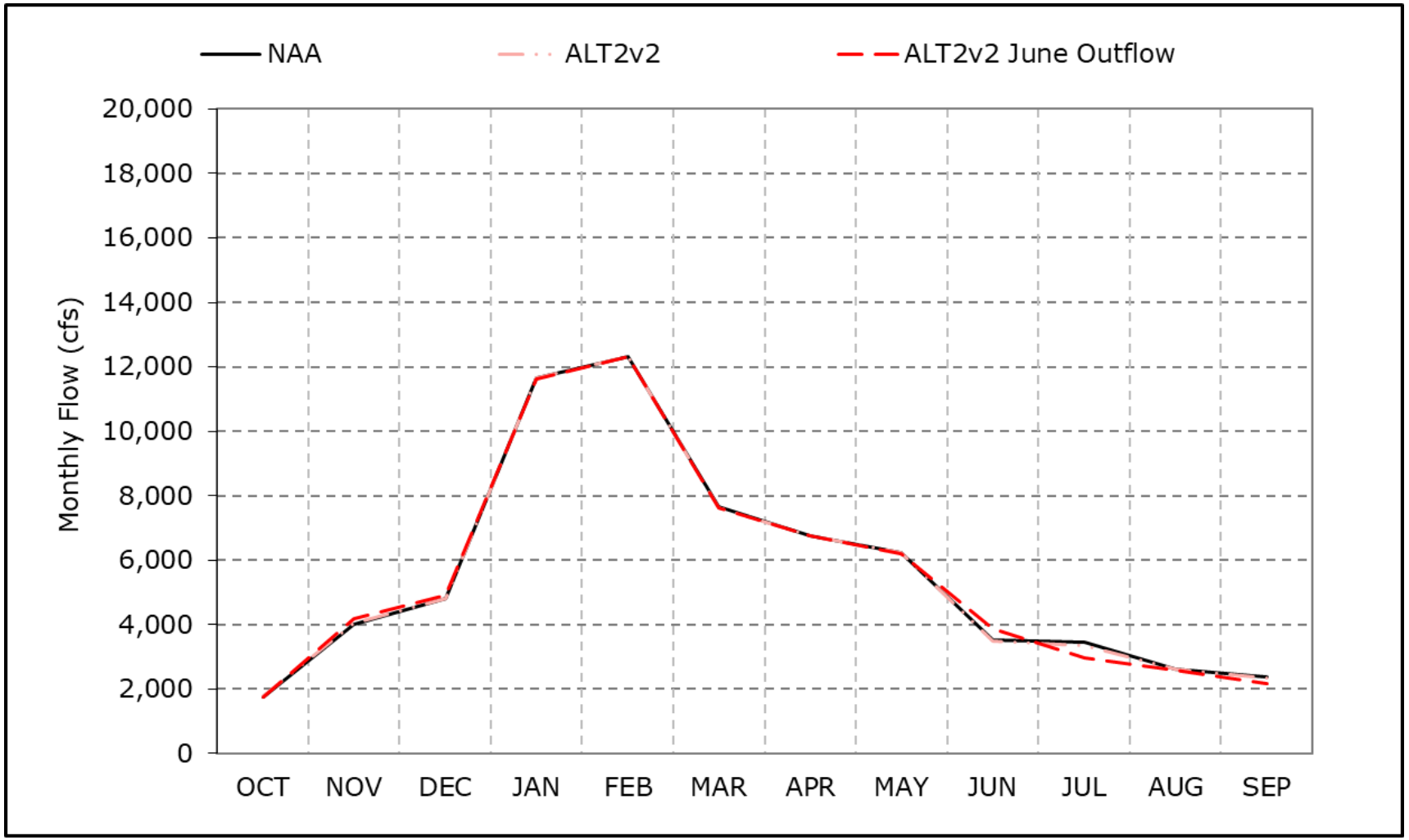
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-310	52	391	-8	-1	-7	-21	-20	10	-630	106	-342
20% Exceedance	-41	171	-39	-142	0	428	20	-139	253	-561	92	-559
30% Exceedance	-21	560	15	-85	154	141	364	-59	519	-483	81	-188
40% Exceedance	-11	50	359	136	137	57	296	49	383	-228	87	-6
50% Exceedance	-6	23	0	-112	-31	229	429	118	222	55	6	2
60% Exceedance	-5	-102	-10	-261	-81	18	219	0	246	101	-81	-16
70% Exceedance	-147	-151	-216	-94	165	11	255	-5	205	-83	-27	-20
80% Exceedance	-58	-198	-147	-177	-158	-431	-43	29	-23	32	40	-52
90% Exceedance	-70	-109	-62	-129	-85	-52	12	-44	76	3	-205	-142
Full Simulation Period Average[a]	-91	30	2	-78	10	14	131	-11	145	-204	11	-123
Wet Water Years (28%)	-3	178	96	-13	10	-4	1	-45	341	-480	-50	-206
Above Normal Water Years (14%)	-156	332	147	177	95	13	-20	-27	185	-400	-87	-363
Below Normal Water Years (18%)	-125	-15	11	-217	27	-22	-81	27	34	-294	102	54
Dry Water Years (24%)	-133	-131	-139	-113	67	-27	-16	210	-56	231	183	-48
Critical Water Years (16%)	-80	-238	-103	-205	-170	144	952	-310	196	-99	-157	-79

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



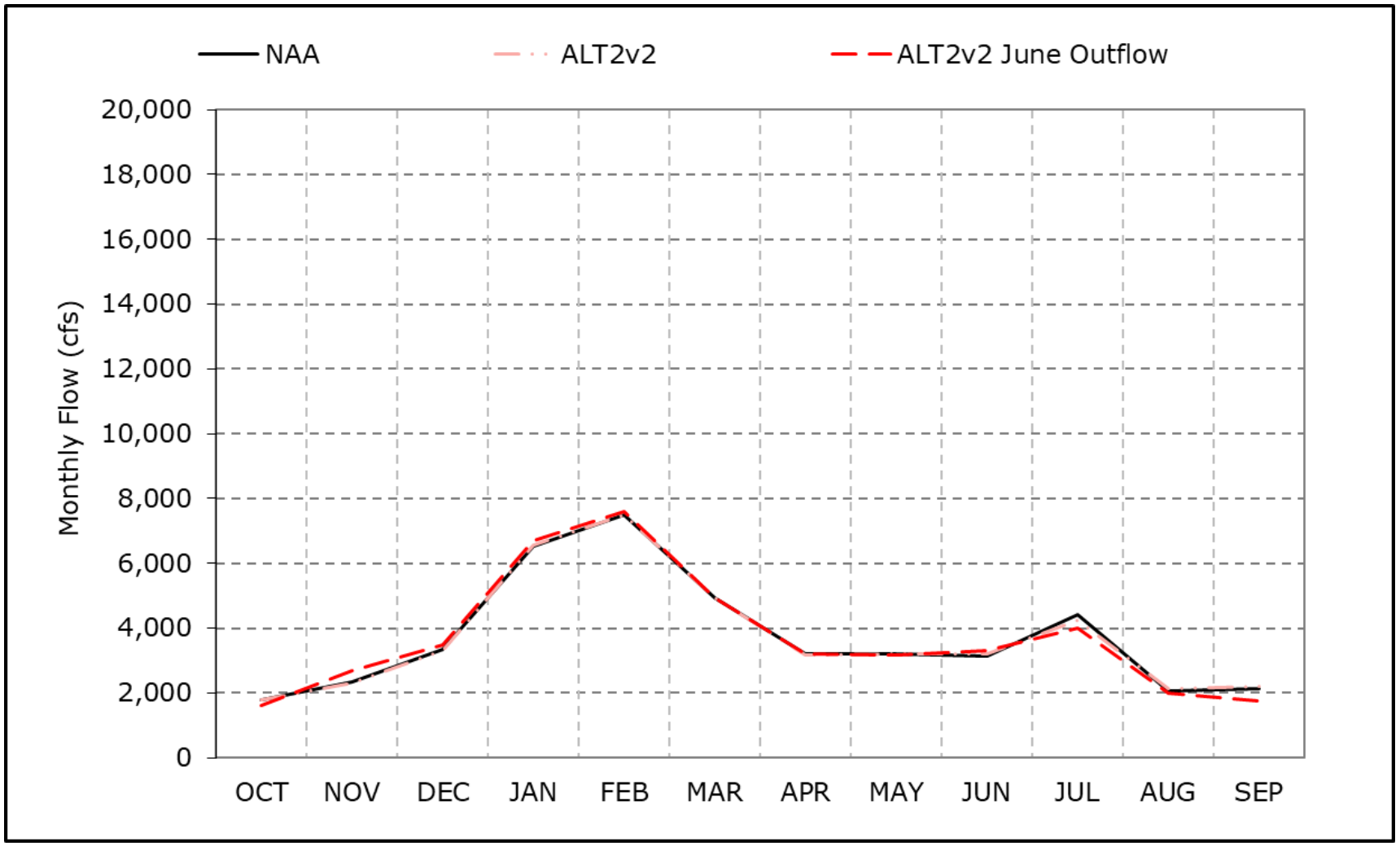
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-1. American River at H Street, Long-Term Average Flow



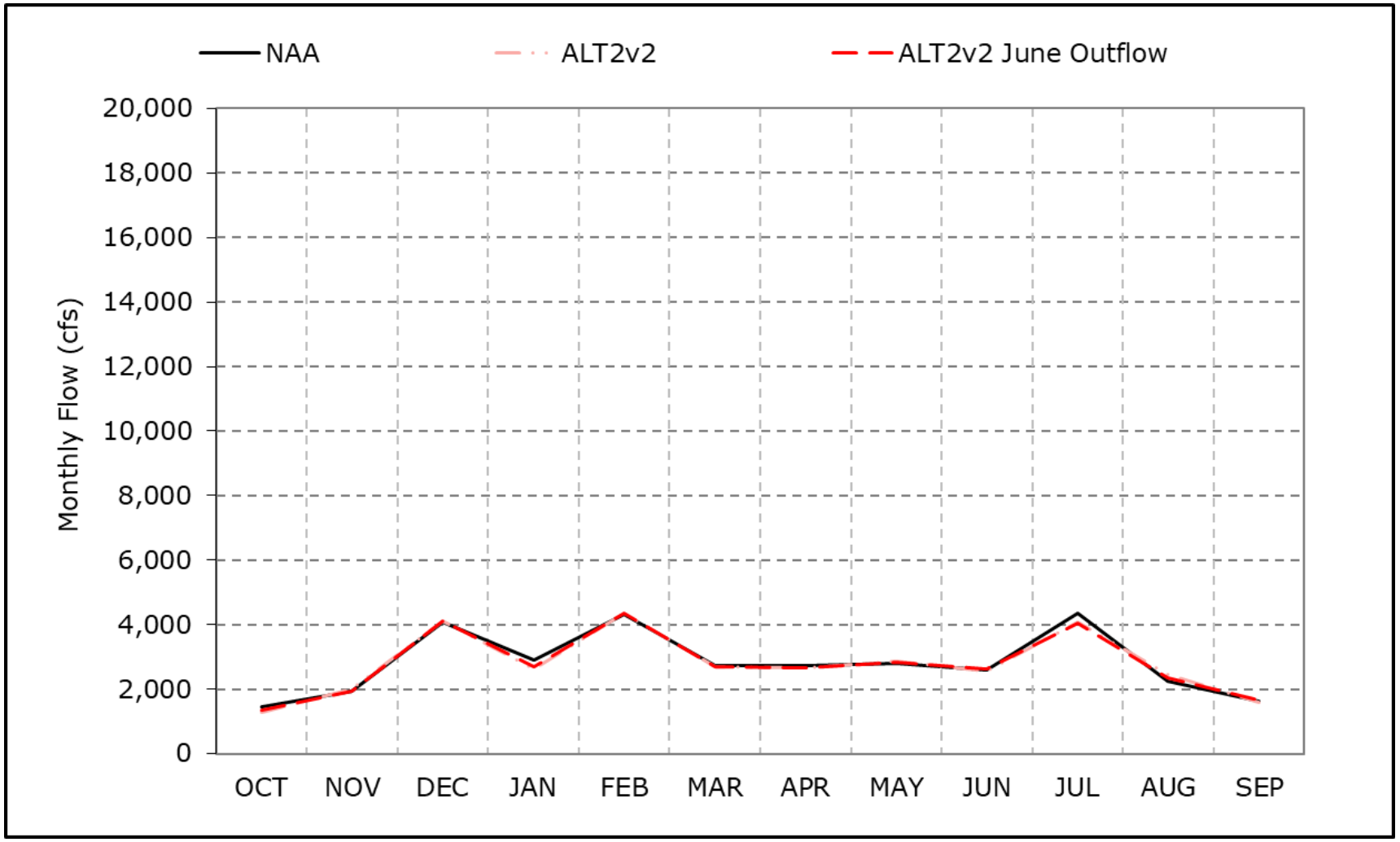
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-2. American River at H Street, Wet Year Average Flow



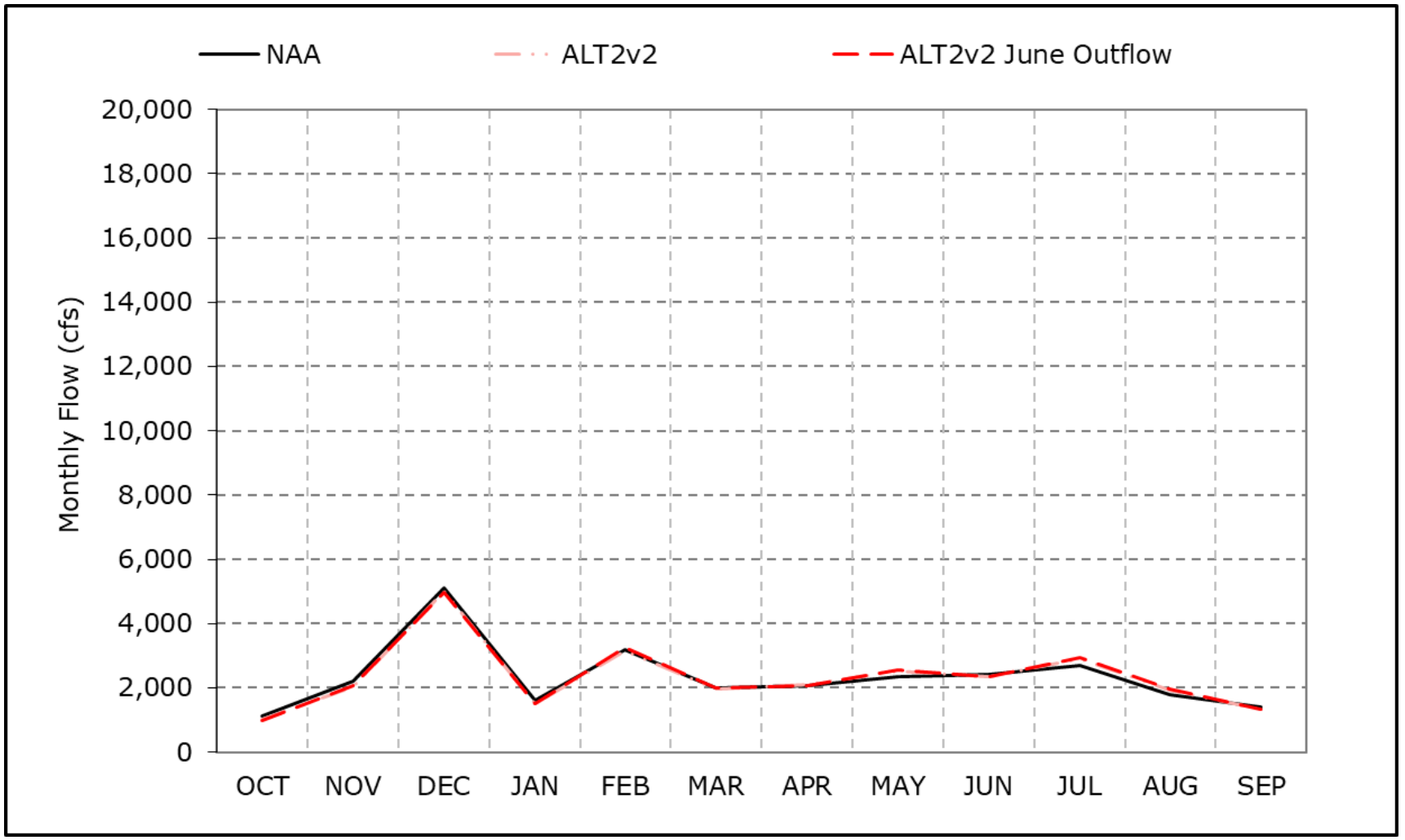
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-3. American River at H Street, Above Normal Year Average Flow



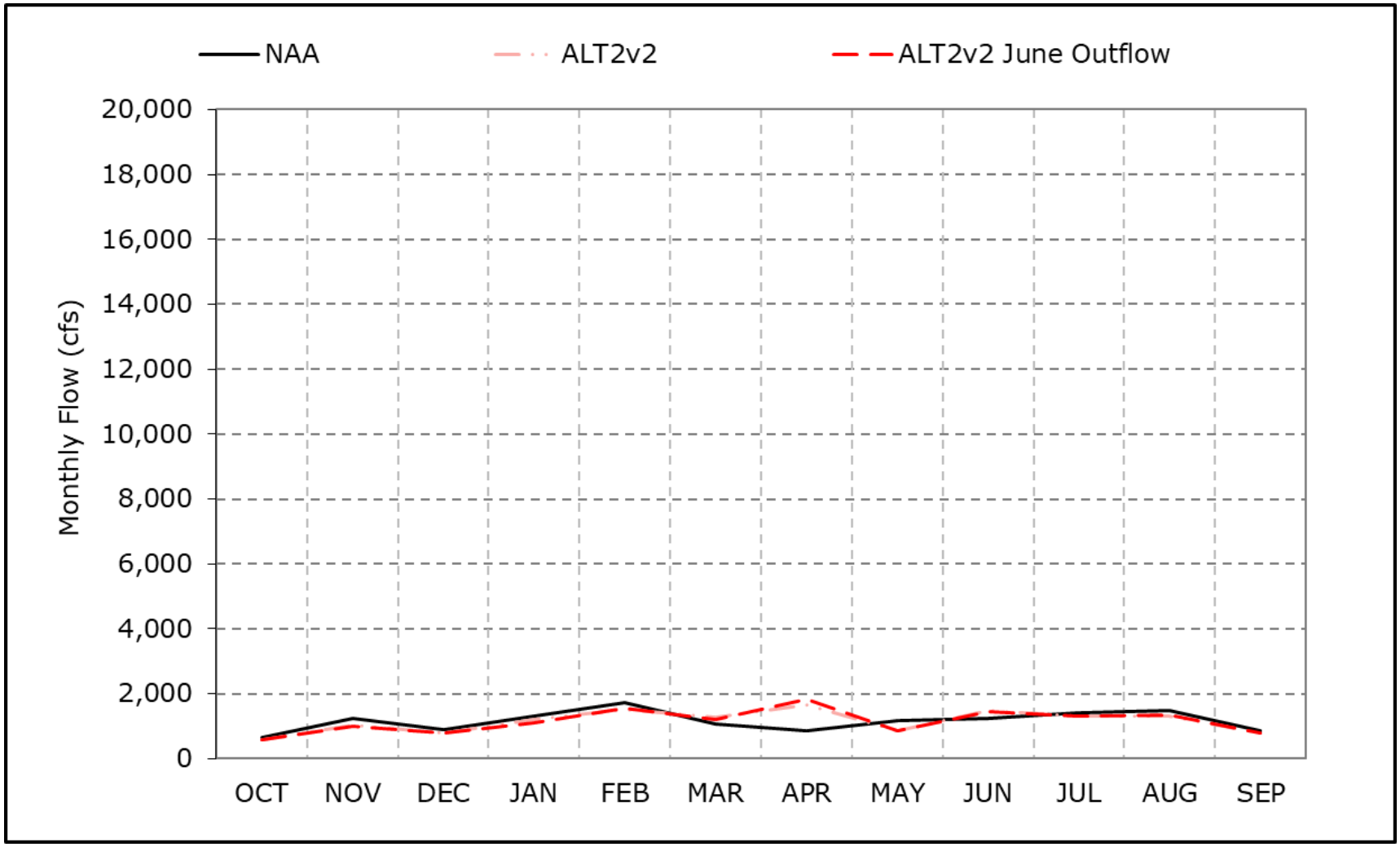
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-4. American River at H Street, Below Normal Year Average Flow



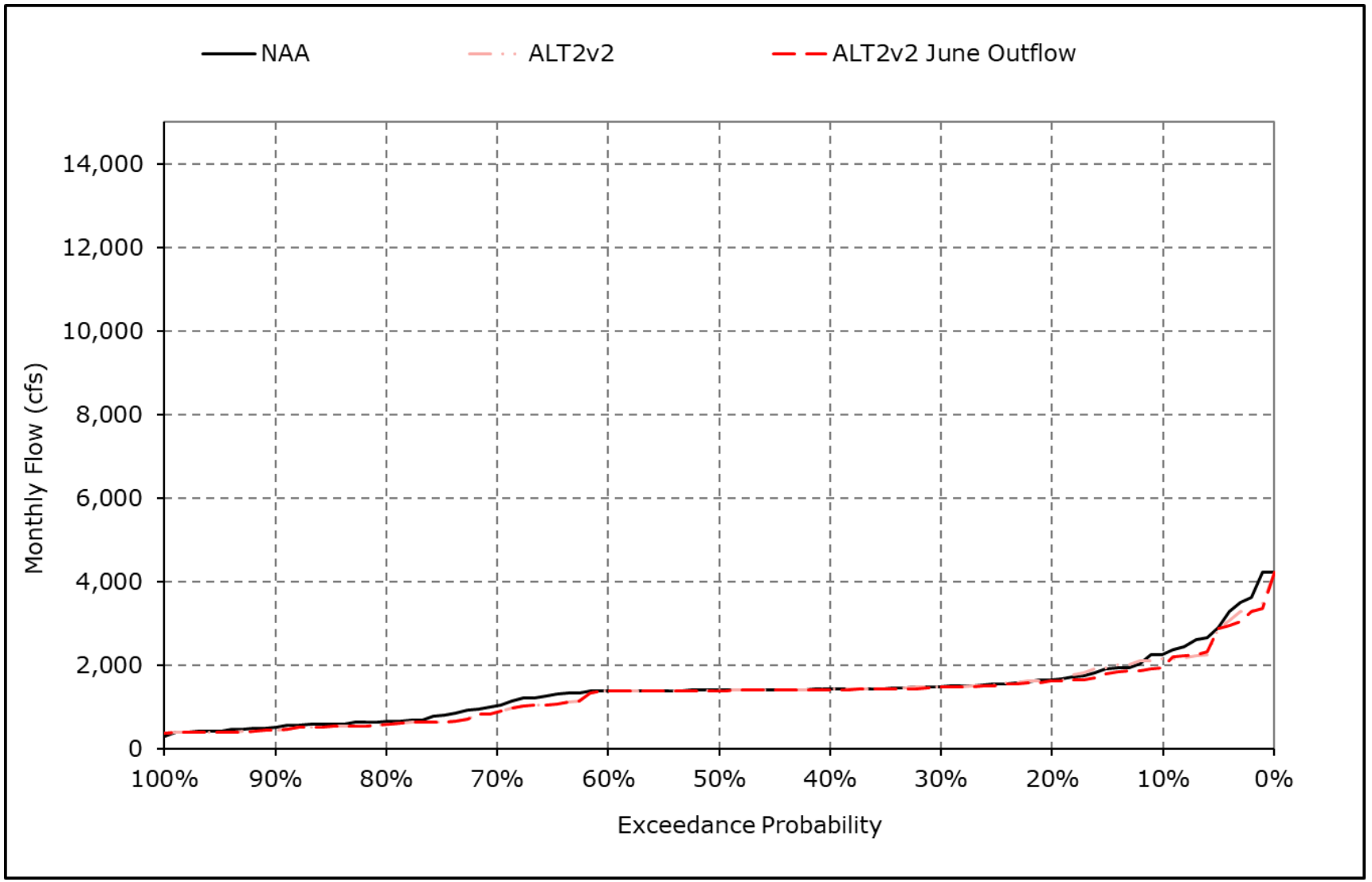
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-5. American River at H Street, Dry Year Average Flow



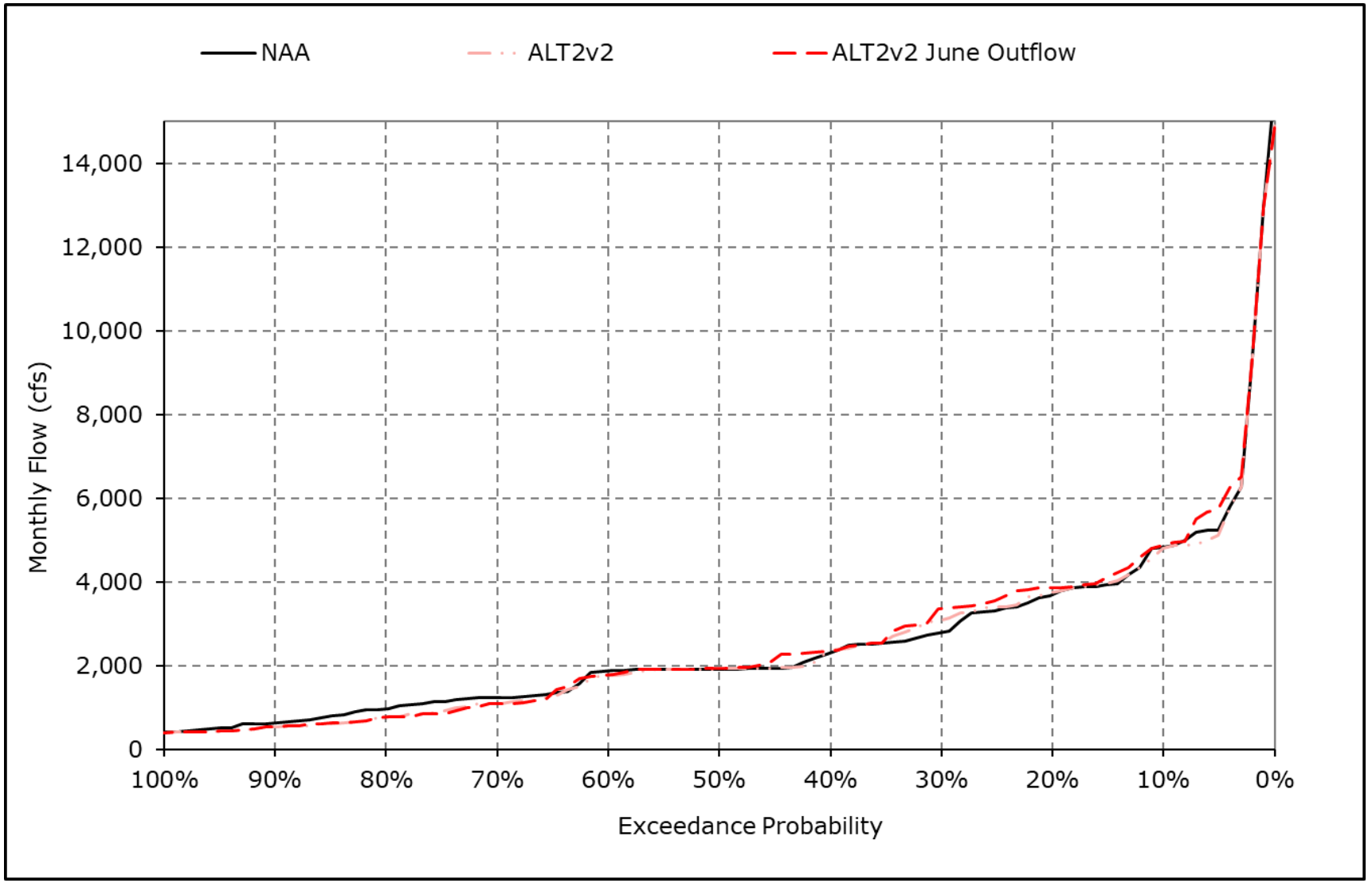
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-13-6. American River at H Street, Critical Year Average Flow



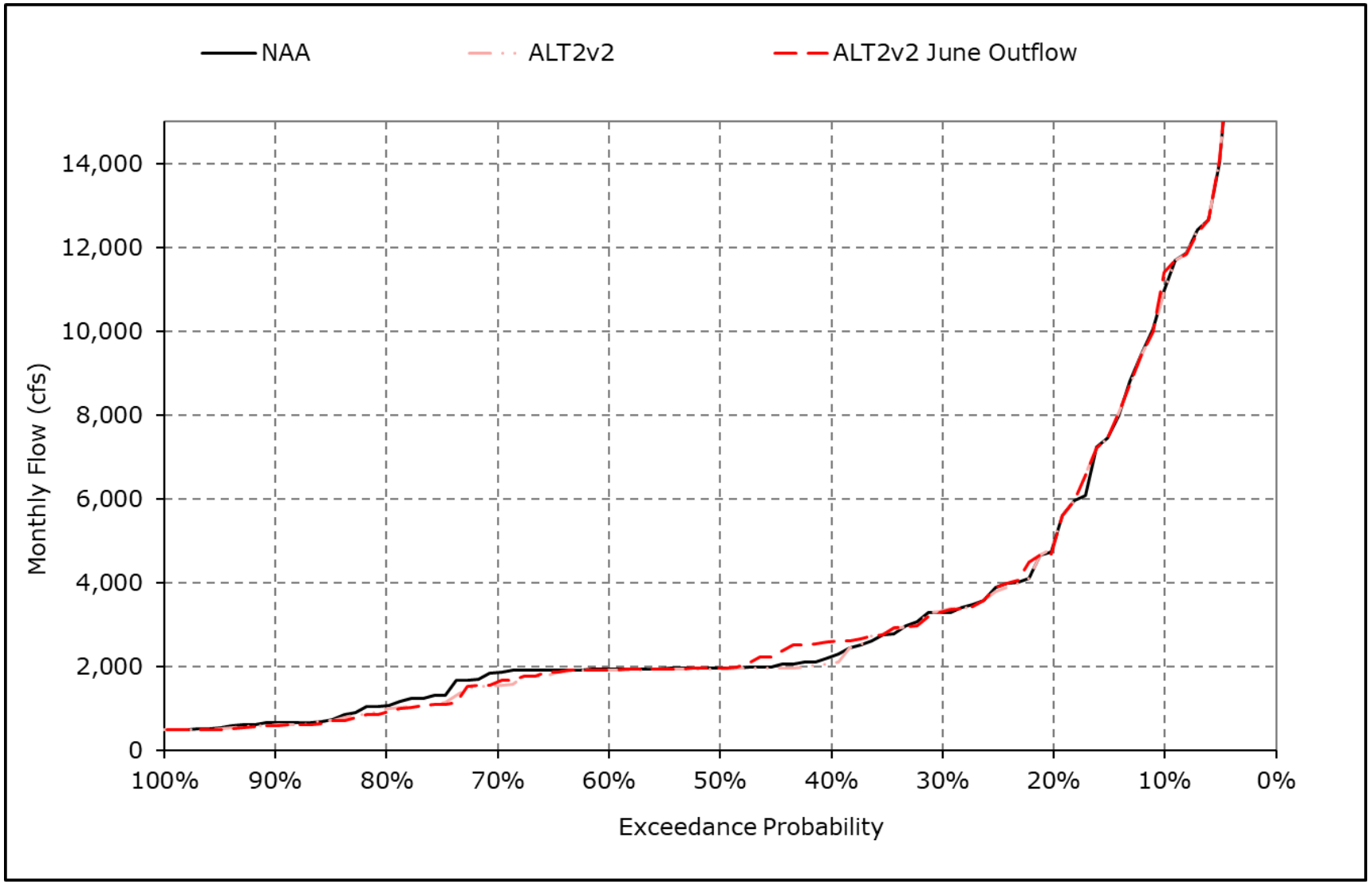
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-7. American River at H Street, October



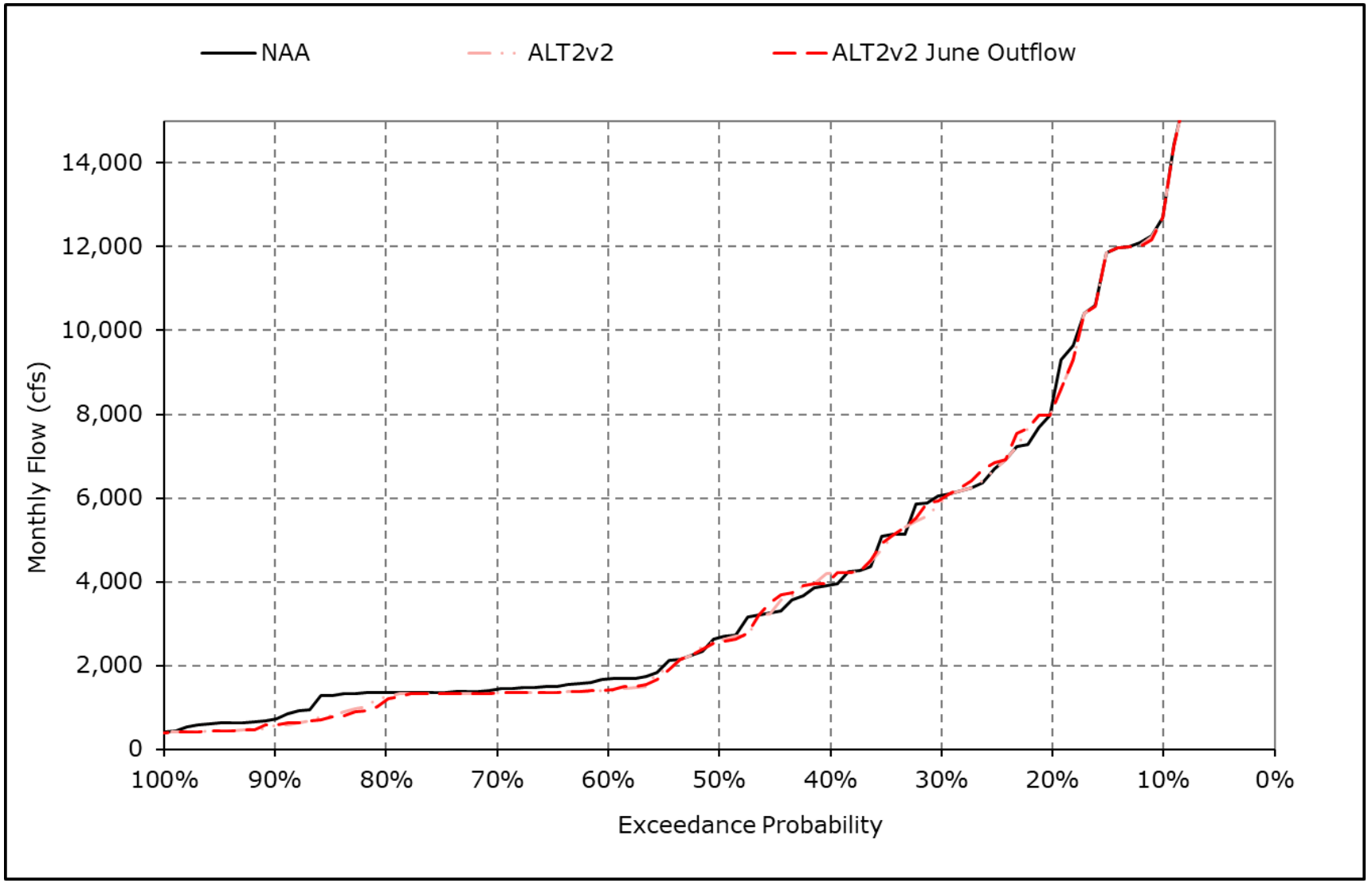
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-8. American River at H Street, November



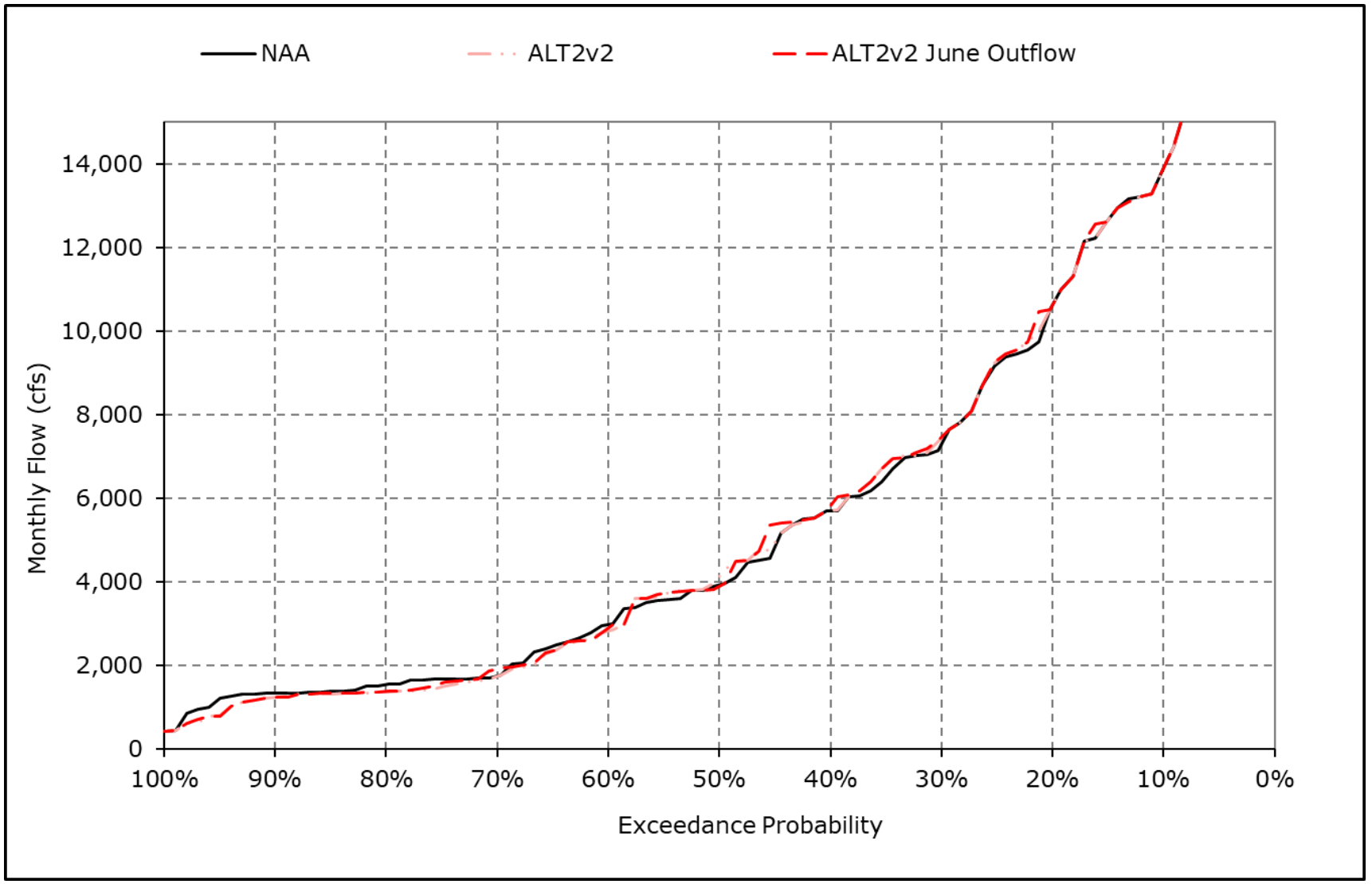
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-9. American River at H Street, December



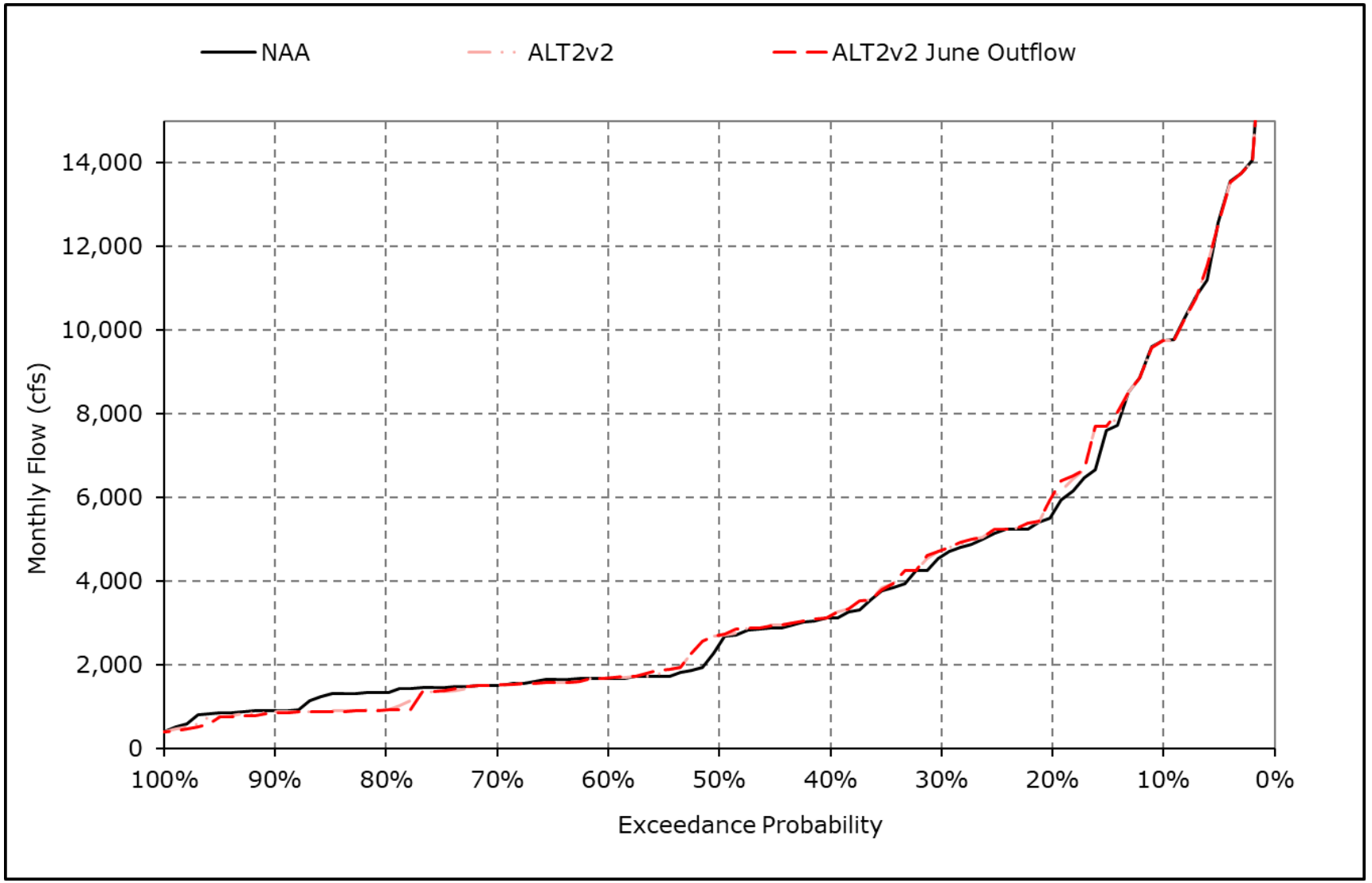
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-10. American River at H Street, January



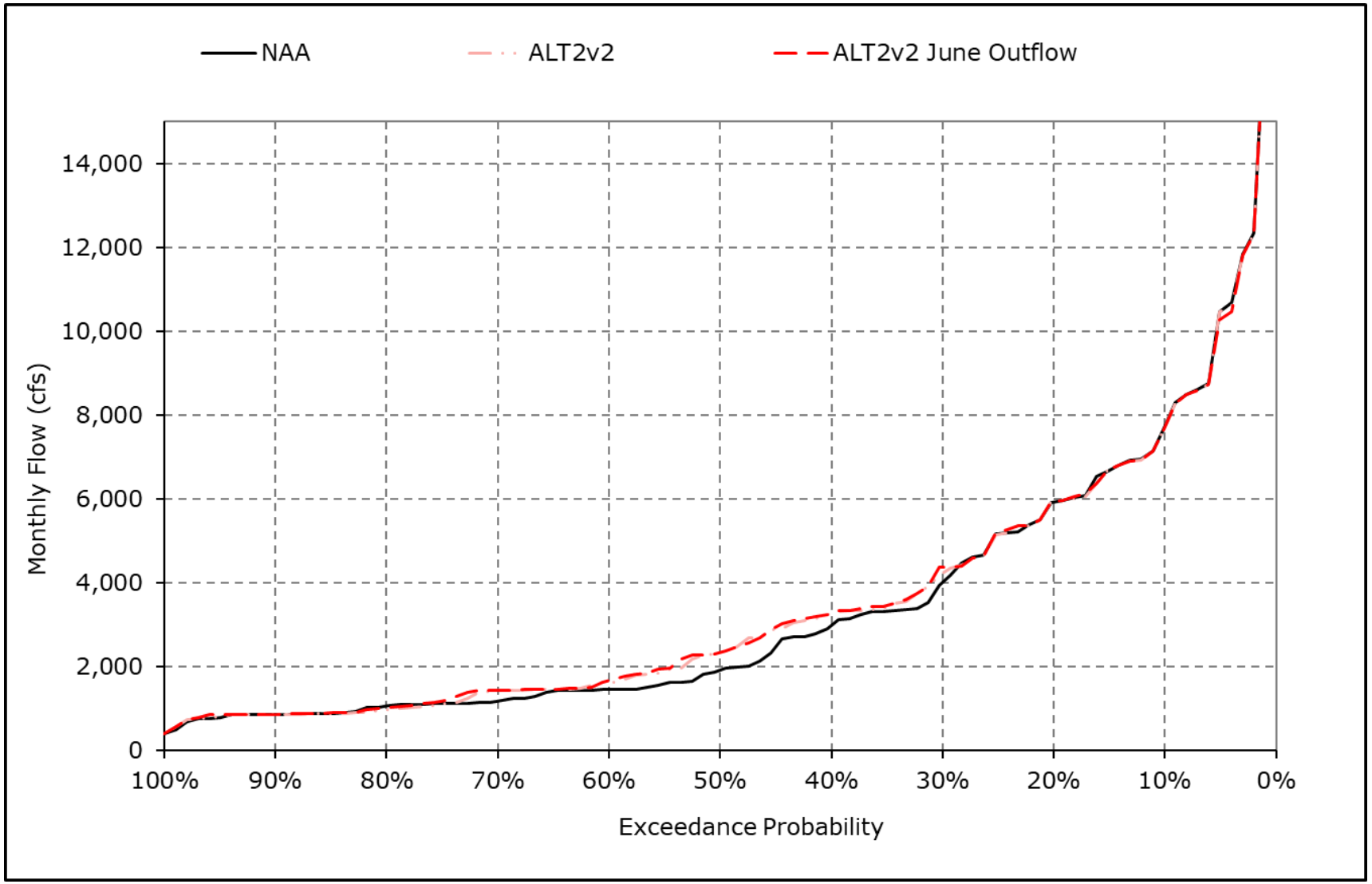
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-11. American River at H Street, February



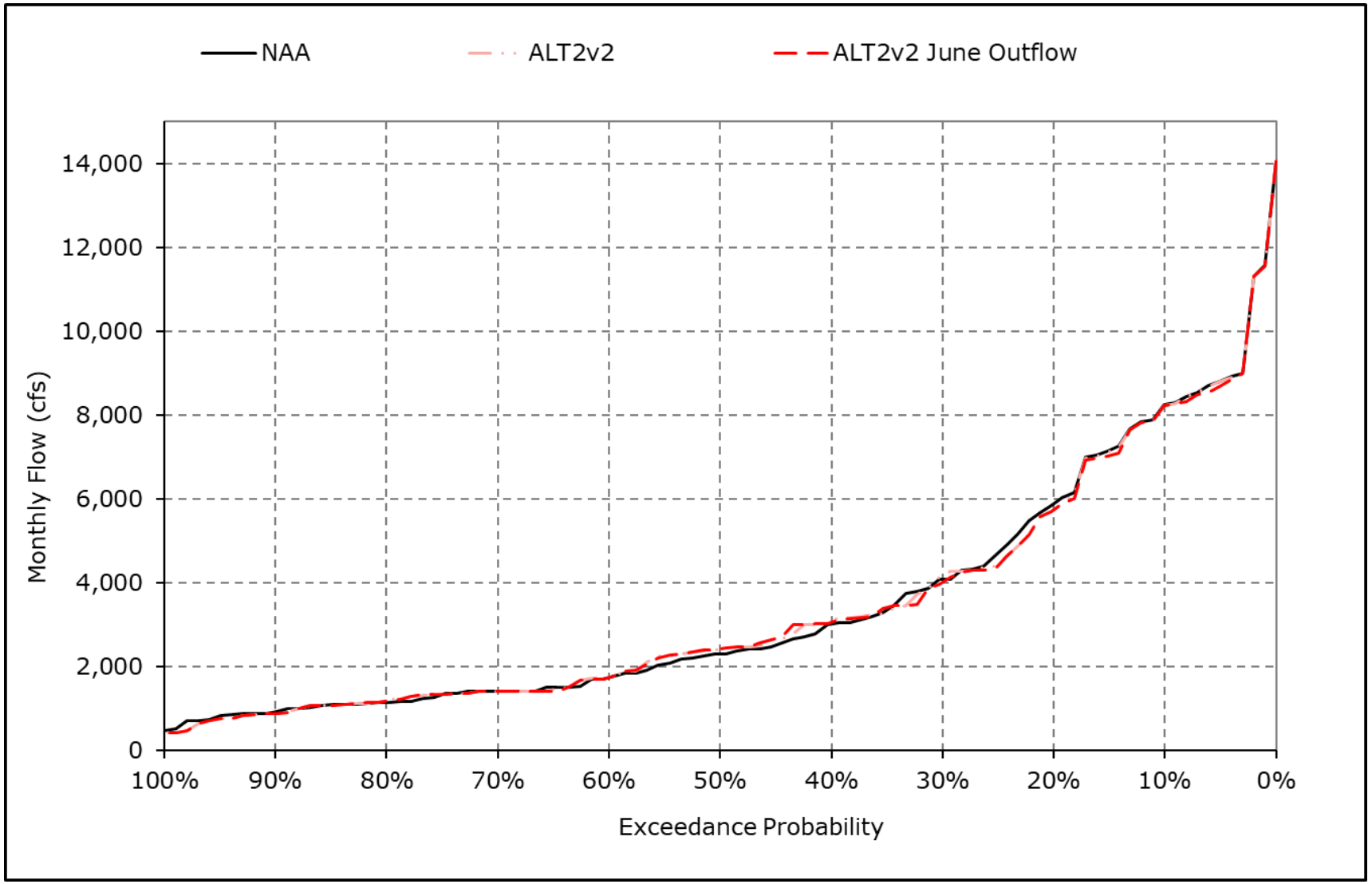
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-12. American River at H Street, March



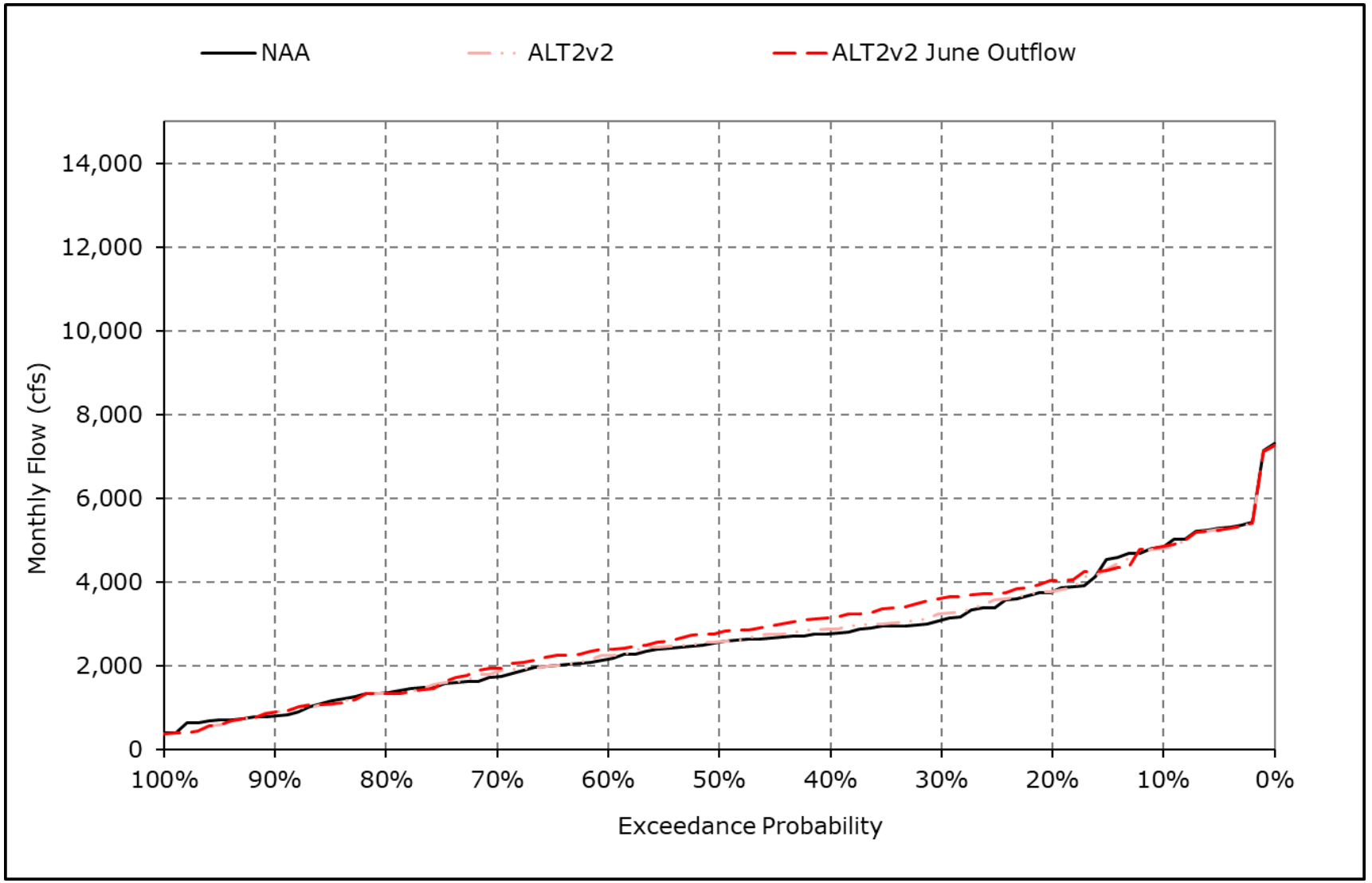
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-13. American River at H Street, April



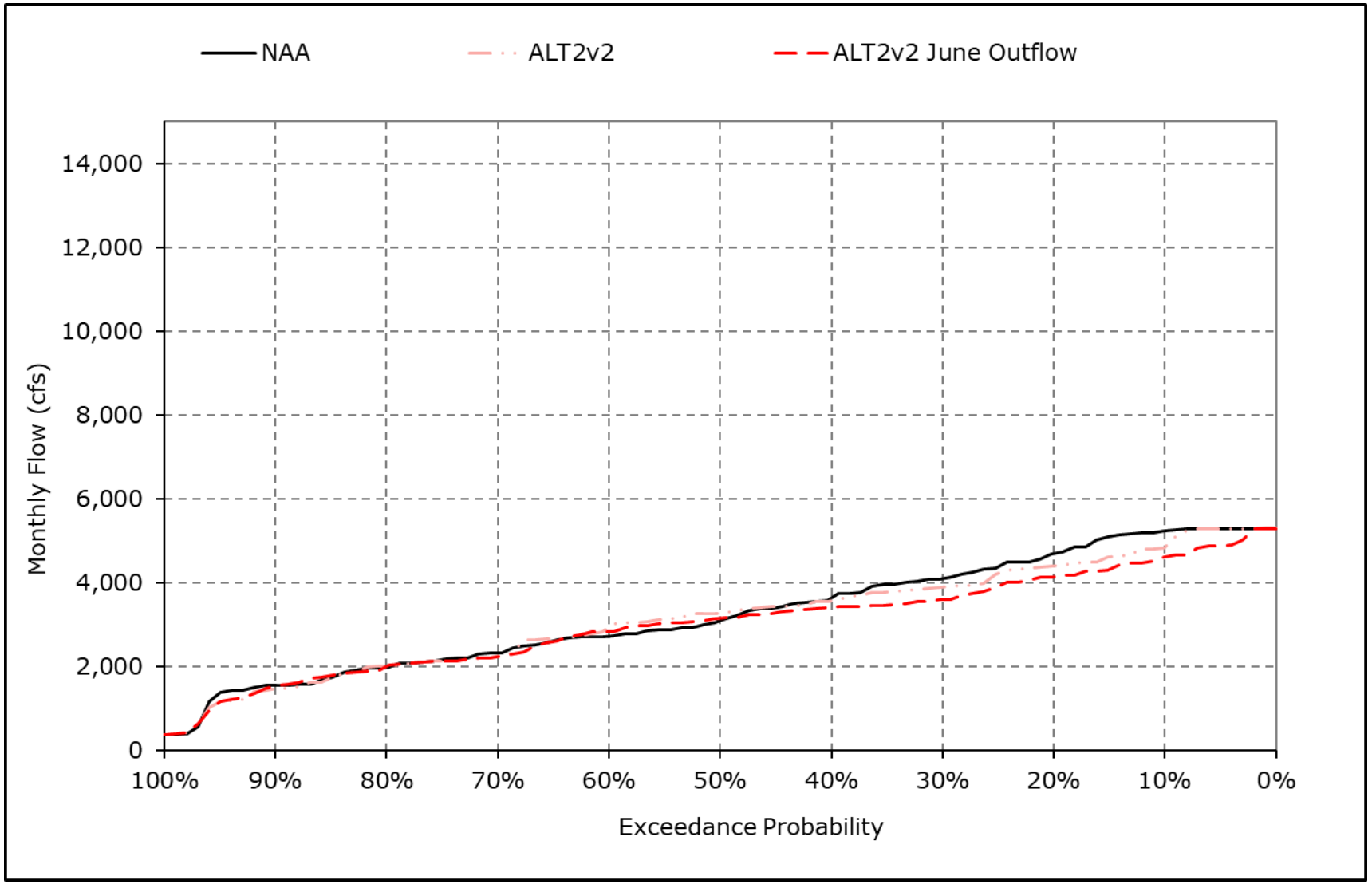
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-14. American River at H Street, May



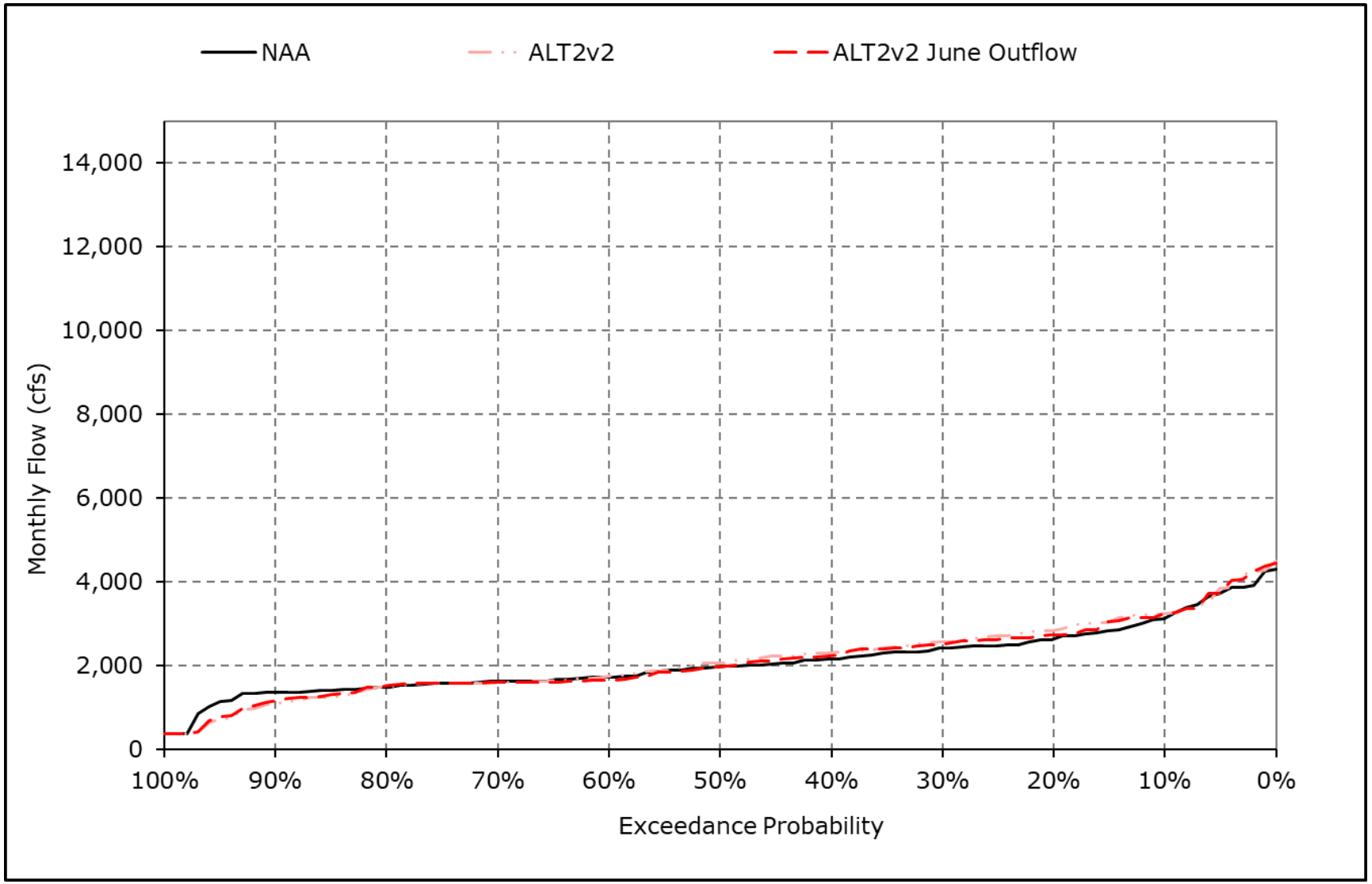
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-13-15. American River at H Street, June



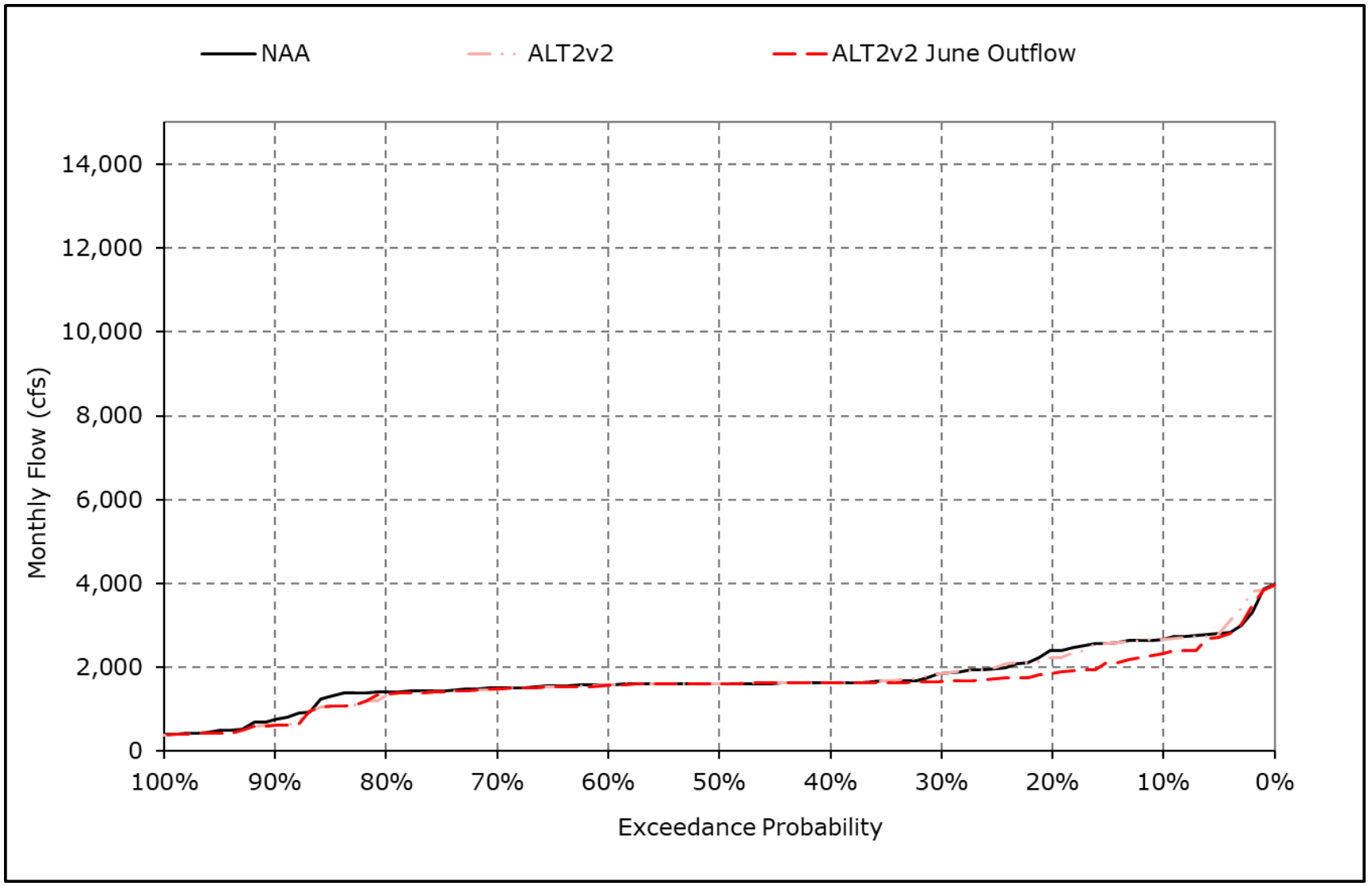
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-14-1c. Sacramento River Flow at Freeport, ALT2v2 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.2.2-14-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

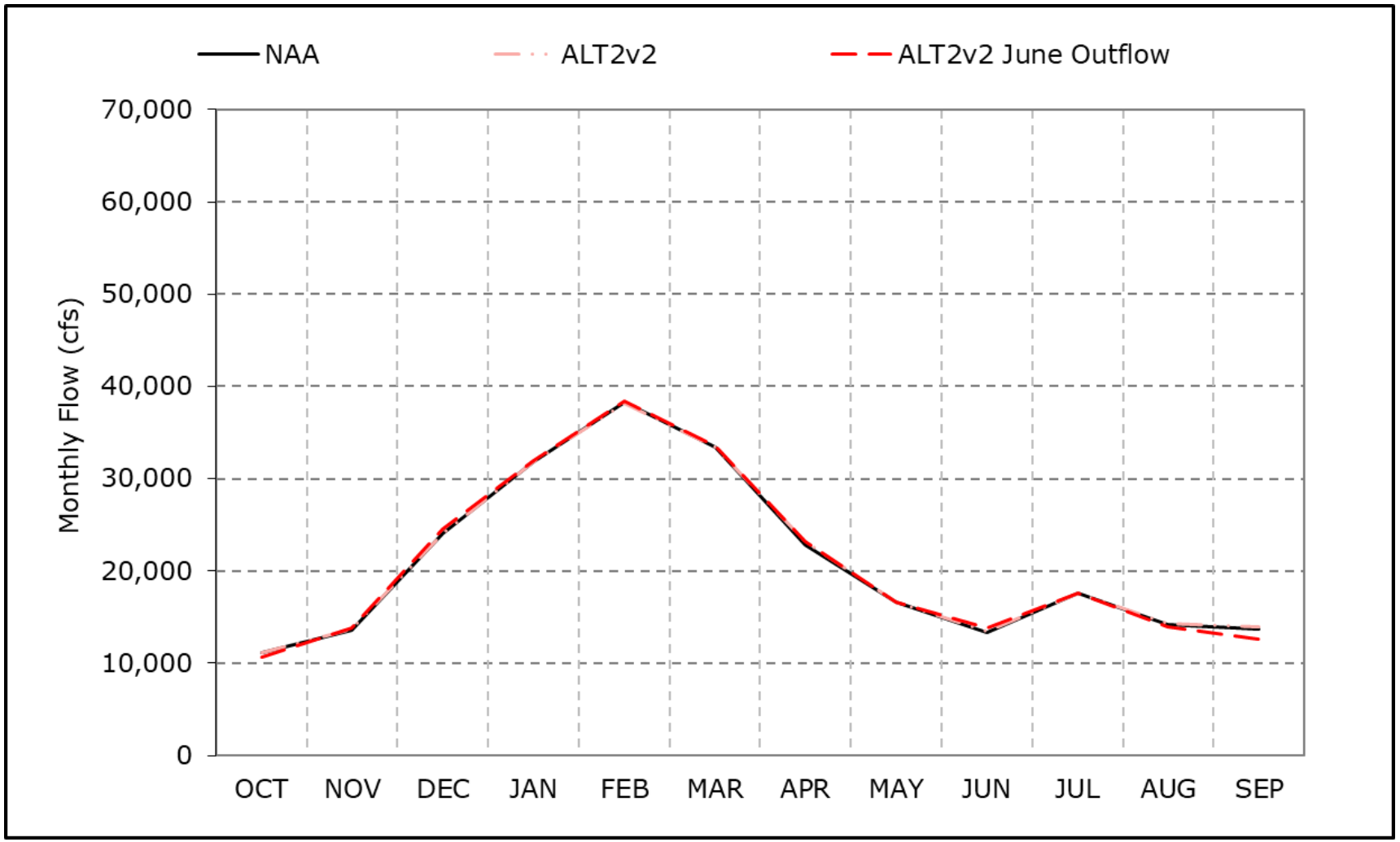
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14,520	19,445	55,198	67,013	73,949	69,231	47,148	29,578	15,680	22,479	17,828	18,054
20% Exceedance	13,007	14,780	37,940	56,934	64,145	57,485	35,069	22,867	15,357	21,612	17,360	15,839
30% Exceedance	12,095	14,234	26,239	37,916	51,377	43,828	25,885	17,355	14,671	20,639	16,328	14,494
40% Exceedance	11,385	13,563	19,722	29,458	44,166	32,237	20,089	14,397	13,894	19,290	15,957	13,284
50% Exceedance	10,756	13,098	16,766	24,477	30,703	24,816	15,894	12,493	13,509	18,075	15,464	11,751
60% Exceedance	9,270	11,306	14,592	19,800	23,433	21,369	13,607	11,976	12,923	16,841	14,163	10,638
70% Exceedance	7,876	9,873	12,678	14,056	19,699	19,008	11,879	11,241	12,649	15,691	11,410	10,019
80% Exceedance	6,696	8,484	11,185	12,906	16,990	15,055	11,320	10,304	11,469	13,836	9,936	9,246
90% Exceedance	6,017	7,168	9,537	10,891	13,295	11,094	9,956	9,007	9,682	10,600	8,254	8,509
Full Simulation Period Average[a]	10,655	13,797	24,559	31,913	38,350	33,567	23,188	16,562	13,838	17,534	13,921	12,657
Wet Water Years (28%)	13,700	17,811	27,889	55,212	62,784	54,865	41,510	25,095	16,804	19,023	16,194	16,509
Above Normal Water Years (14%)	12,210	15,587	24,052	42,420	50,865	45,869	24,622	17,556	15,212	21,846	17,172	15,657
Below Normal Water Years (18%)	10,597	12,618	28,509	25,547	27,124	25,956	17,459	15,251	13,368	19,791	16,174	11,795
Dry Water Years (24%)	9,176	12,708	24,602	15,754	25,834	20,882	14,141	12,502	12,922	16,258	11,547	10,081
Critical Water Years (16%)	5,850	7,672	14,041	13,344	16,045	13,125	9,884	8,323	9,349	10,531	8,125	8,126

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

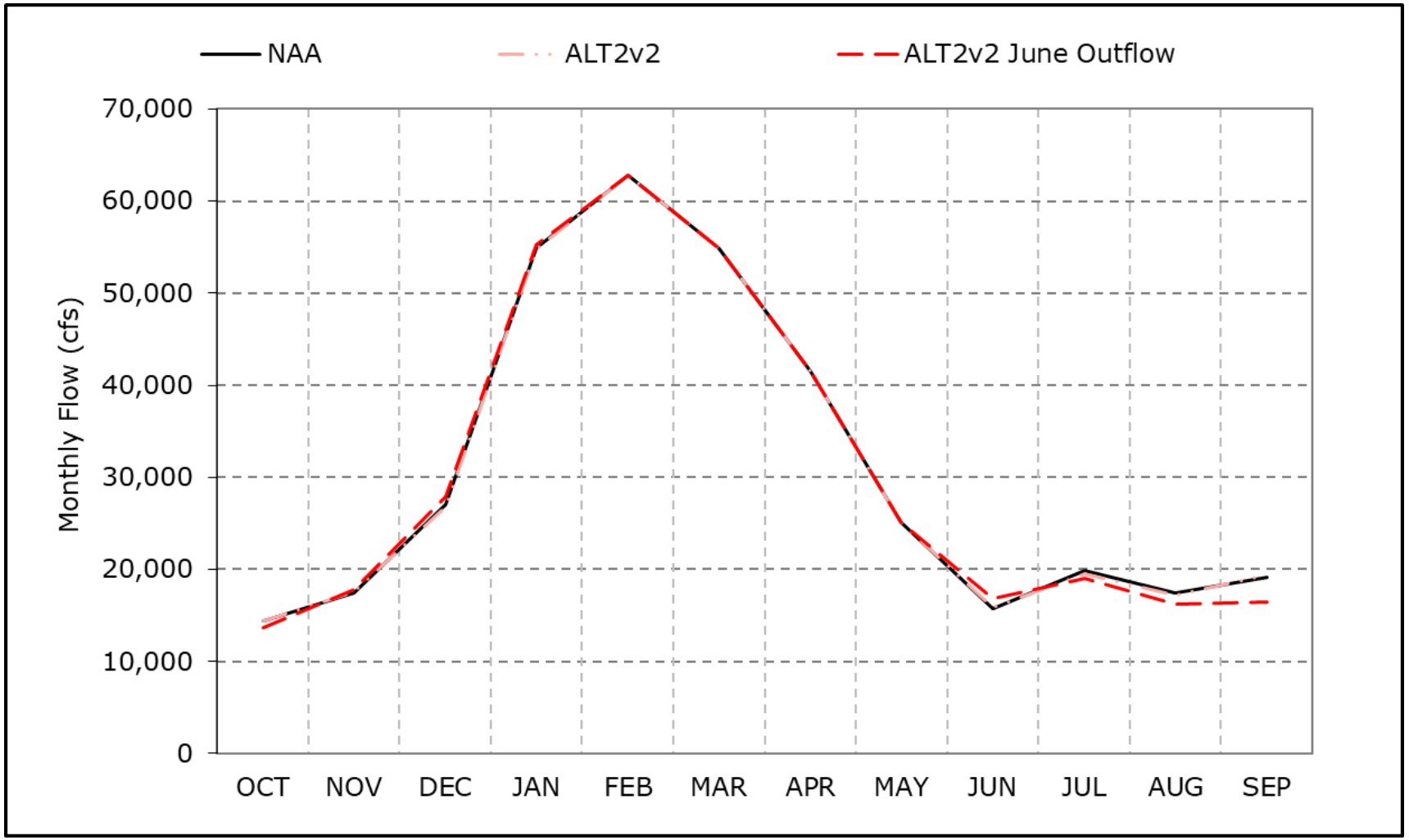
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,025	288	72	518	524	939	-29	-43	-418	-1,293	-1,088	-2,379
20% Exceedance	-775	101	628	-423	16	53	48	12	935	-990	-751	-3,590
30% Exceedance	-1,065	651	56	-60	184	569	532	266	625	-749	-1,151	-2,098
40% Exceedance	-798	247	82	-276	790	1,119	-110	-312	263	-278	-994	-1,948
50% Exceedance	-300	645	143	-86	-450	361	100	-126	93	-13	-359	-21
60% Exceedance	-165	-289	571	-136	-172	-413	-60	-149	82	-97	1,065	159
70% Exceedance	-41	0	394	-45	-97	77	-27	-271	532	234	444	-47
80% Exceedance	-193	74	385	155	-496	343	421	-169	186	358	463	-29
90% Exceedance	-111	1	184	-27	-160	25	1,735	1,334	1,278	2,528	1	-10
Full Simulation Period Average[a]	-449	267	458	47	59	159	360	-69	463	-105	-247	-1,033
Wet Water Years (28%)	-751	377	856	369	24	13	30	5	1,117	-832	-1,273	-2,664
Above Normal Water Years (14%)	-1,192	558	800	208	125	-259	-122	-35	914	-755	-1,497	-2,116
Below Normal Water Years (18%)	31	378	242	-297	362	518	-132	-566	62	-557	742	177
Dry Water Years (24%)	-100	42	338	-185	45	-54	-129	-54	-582	229	625	-26
Critical Water Years (16%)	-274	0	-179	78	-257	696	2,643	306	945	1,744	224	-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.



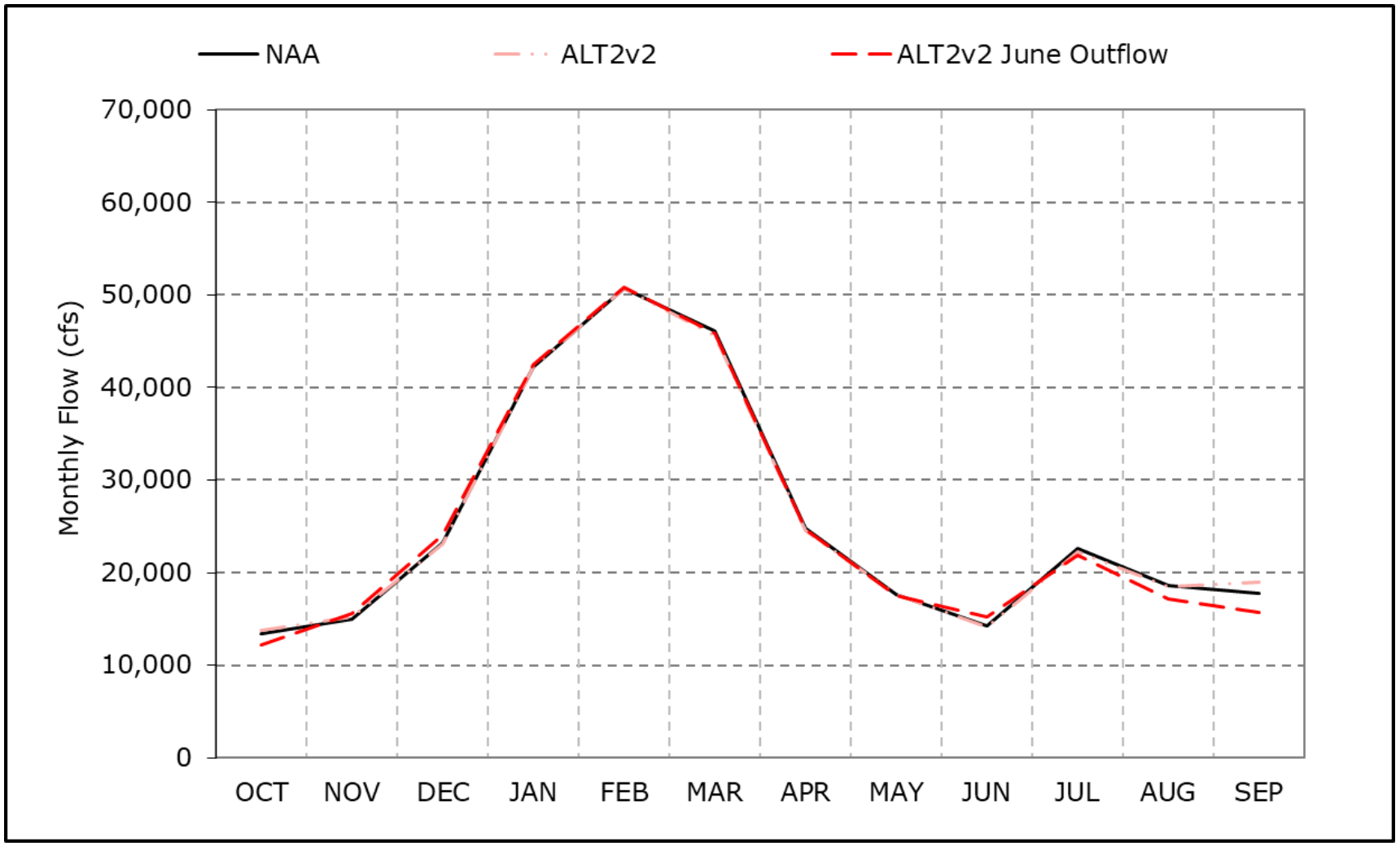
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-1. Sacramento River Flow at Freeport, Long-Term Average Flow



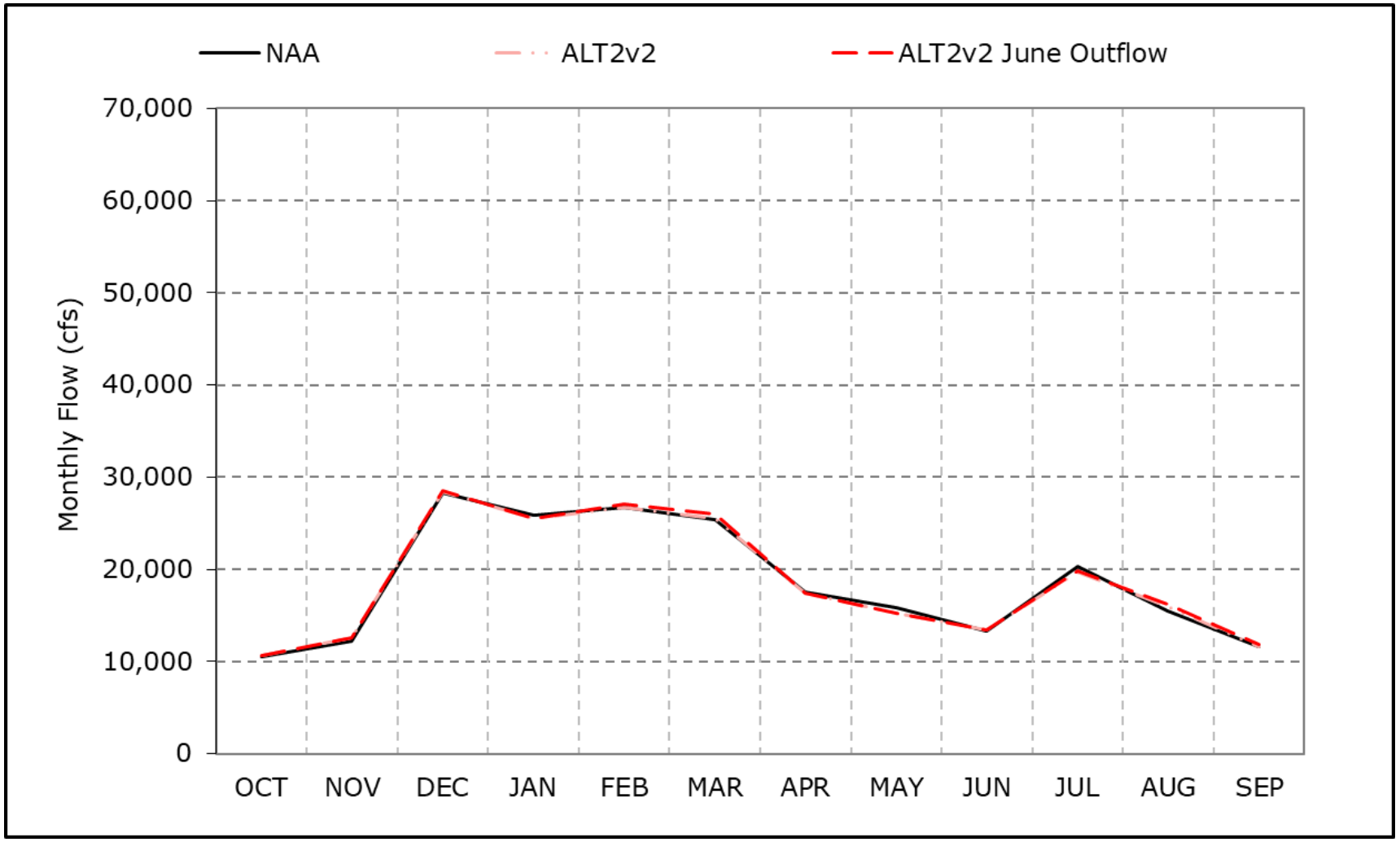
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-2. Sacramento River Flow at Freeport, Wet Year Average Flow



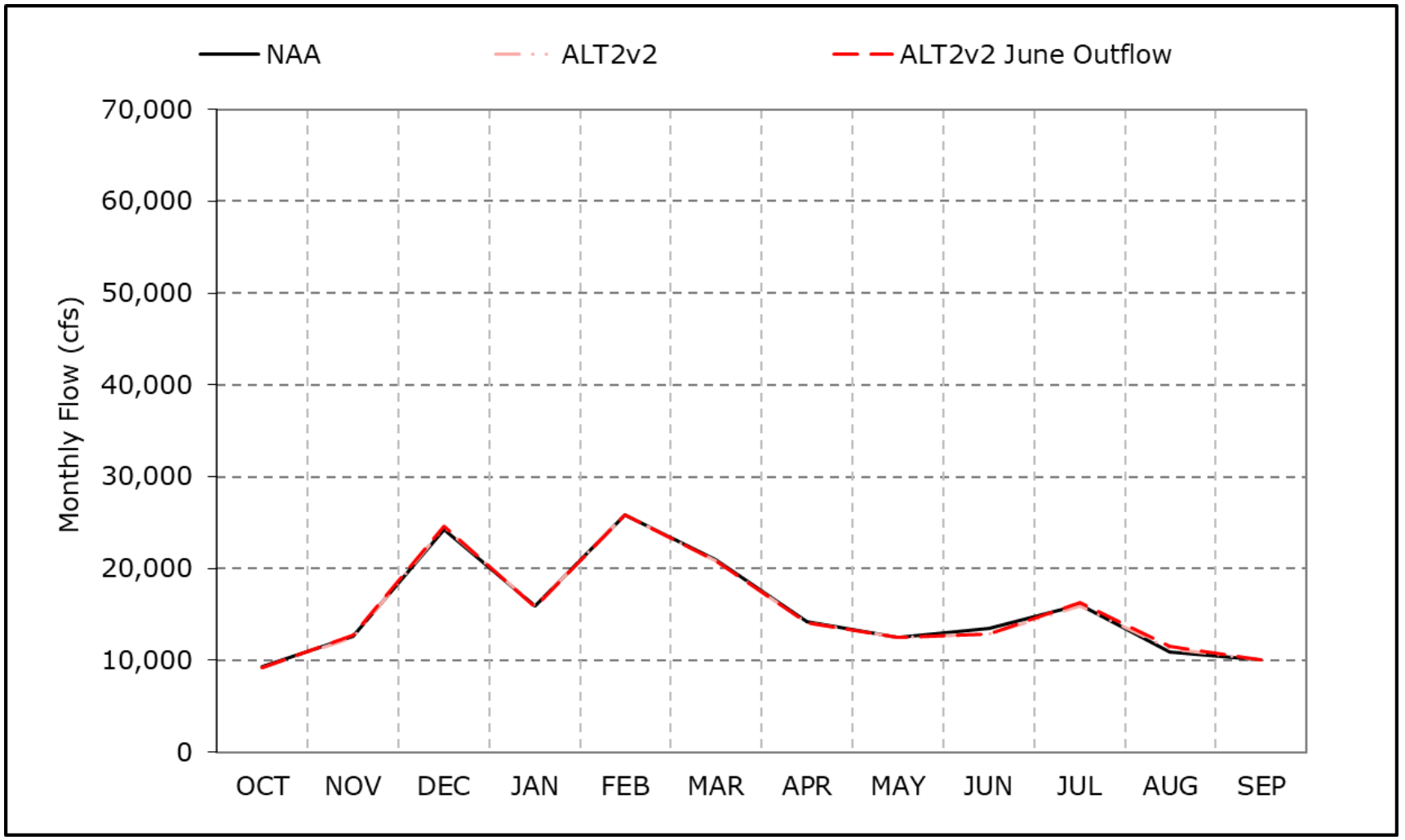
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-3. Sacramento River Flow at Freeport, Above Normal Year Average Flow



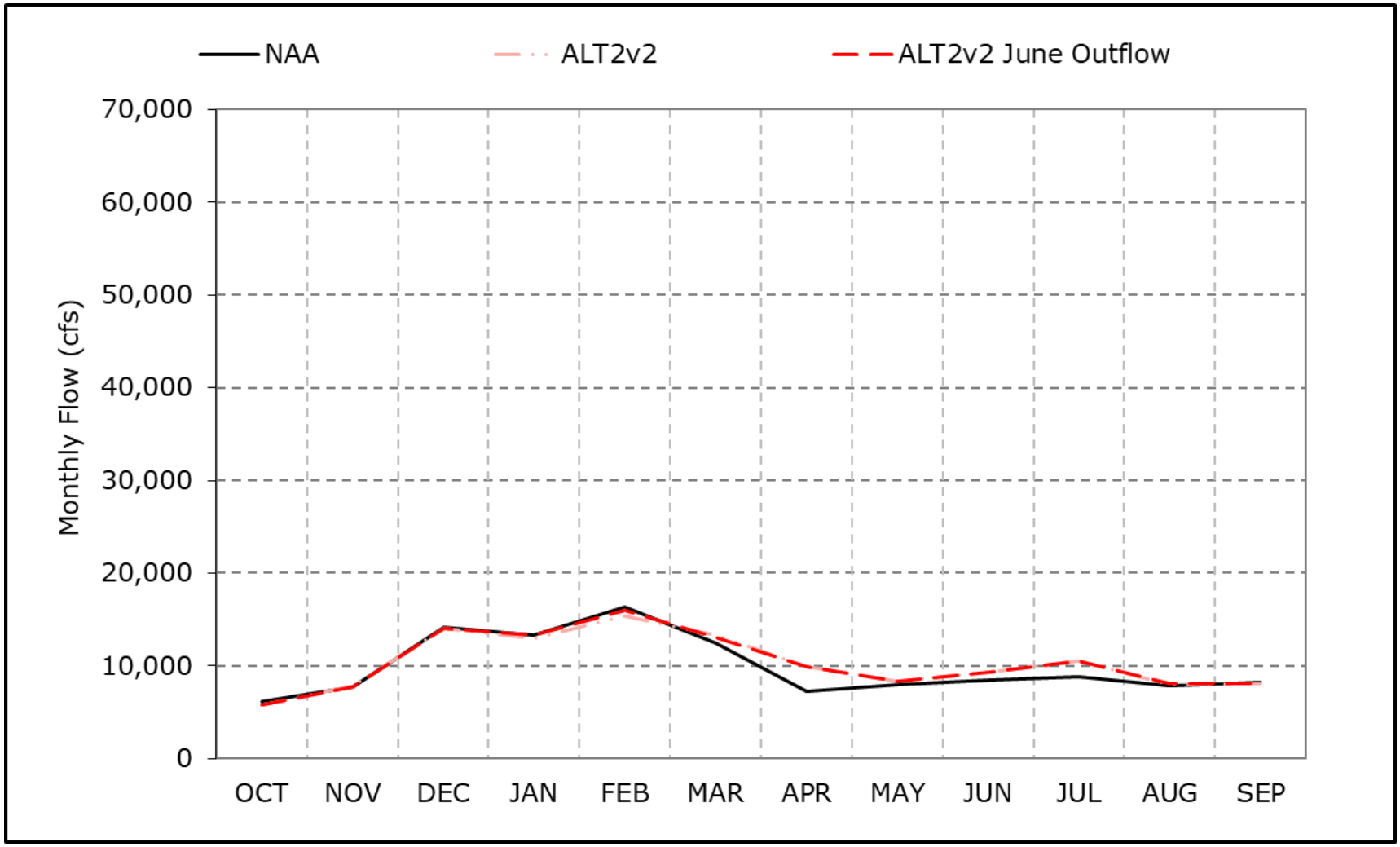
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-4. Sacramento River Flow at Freeport, Below Normal Year Average Flow



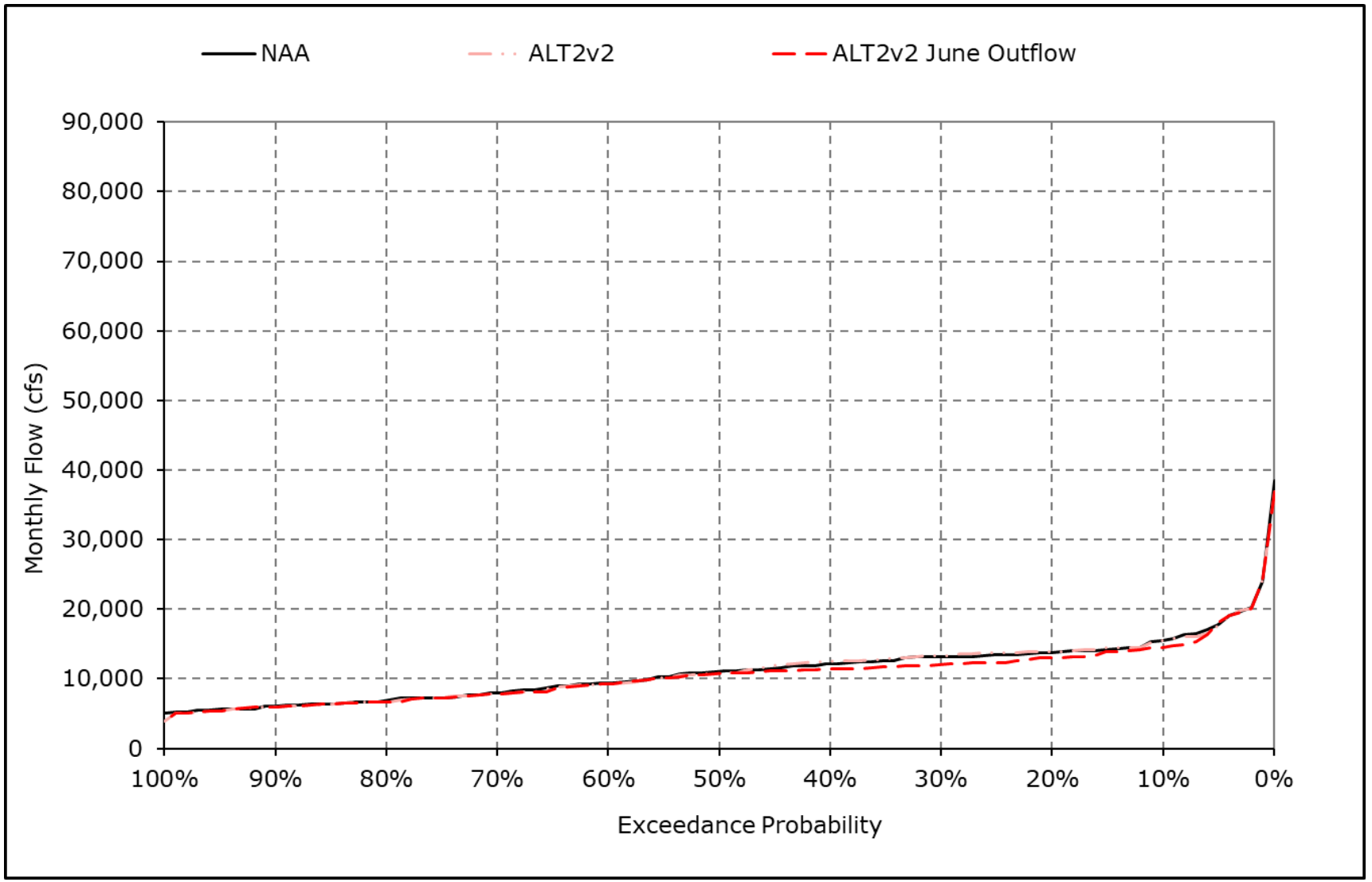
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-5. Sacramento River Flow at Freeport, Dry Year Average Flow



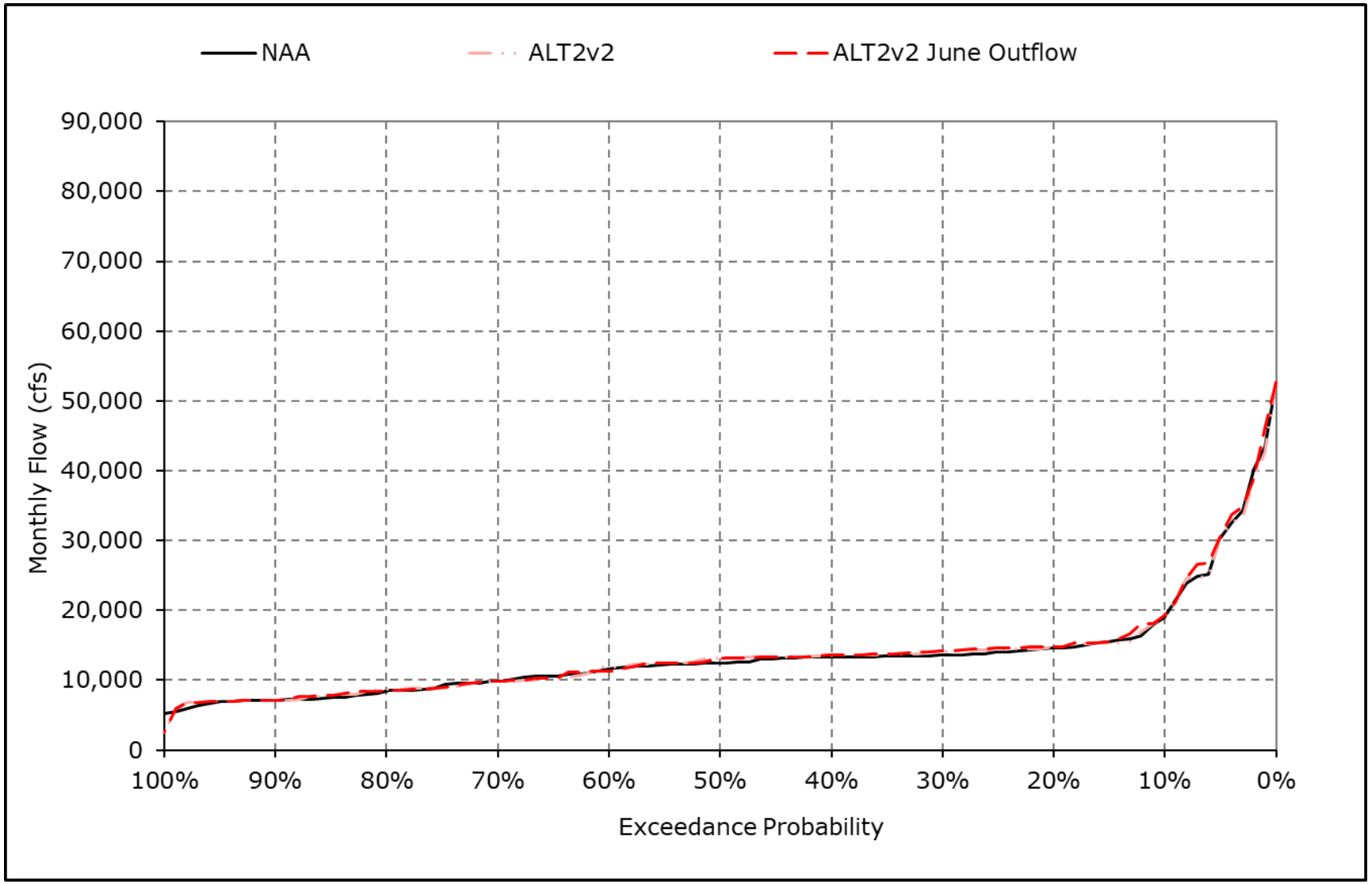
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-14-6. Sacramento River Flow at Freeport, Critical Year Average Flow



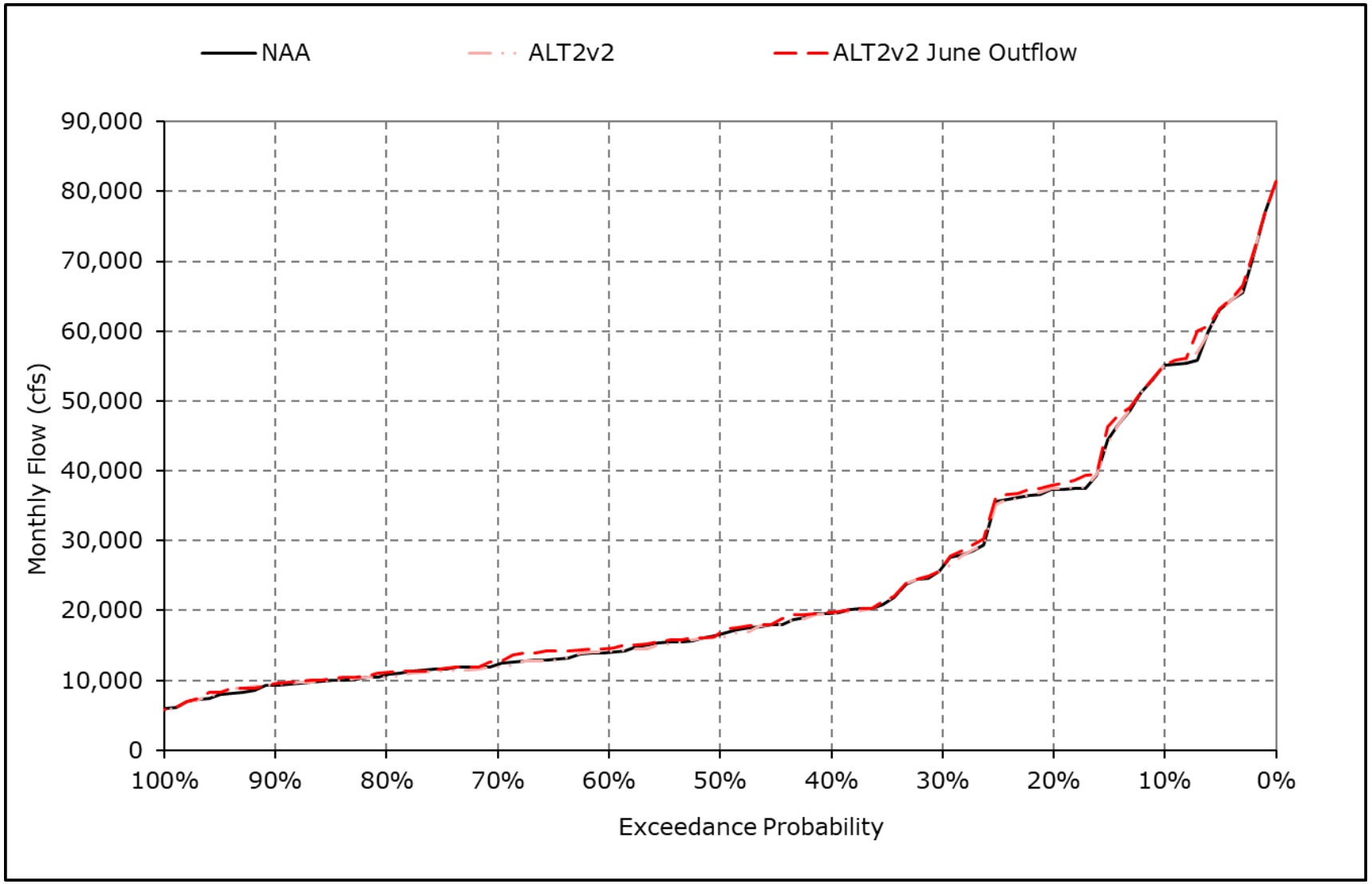
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-7. Sacramento River Flow at Freeport, October



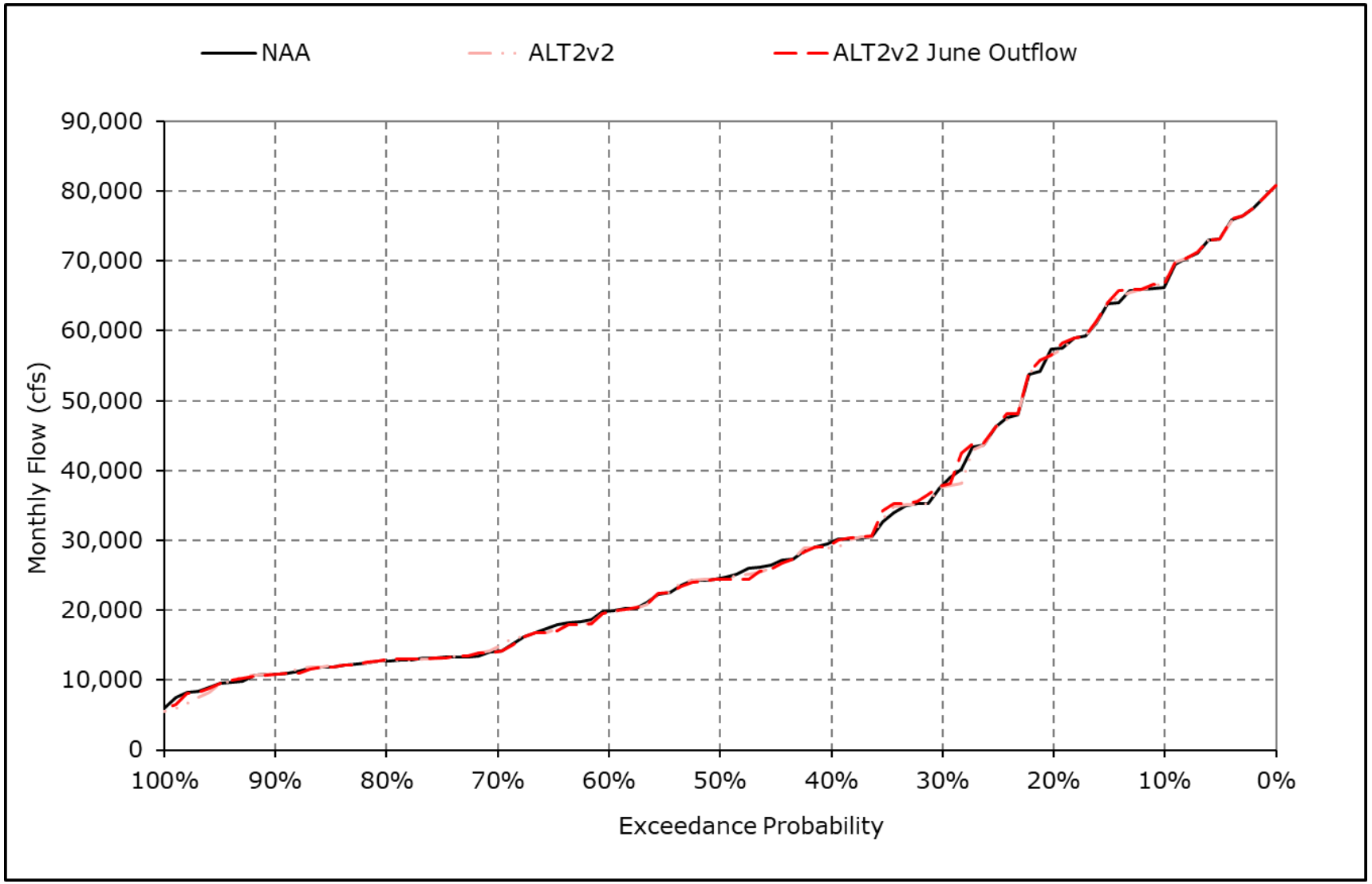
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-8. Sacramento River Flow at Freeport, November



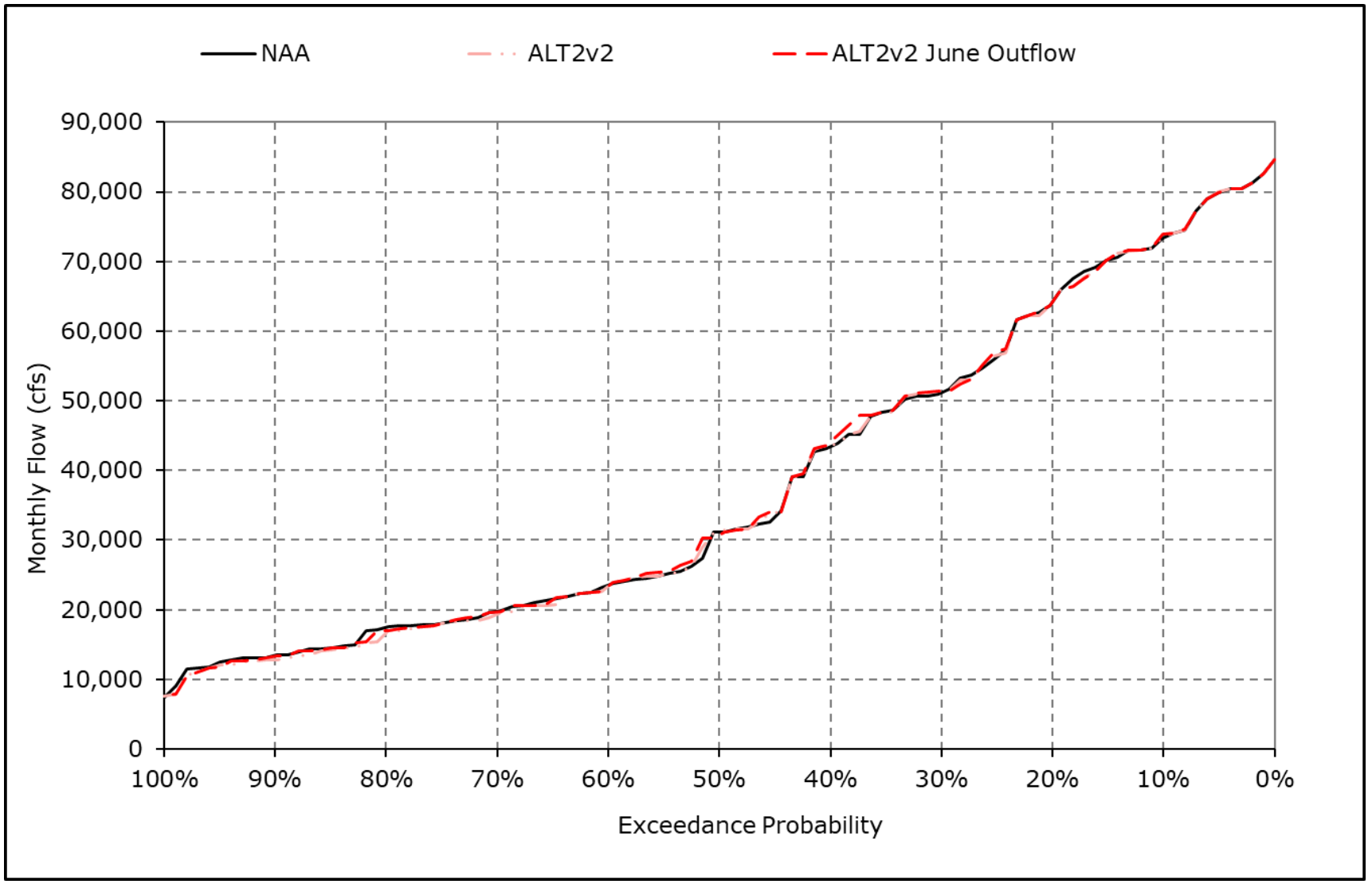
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-9. Sacramento River Flow at Freeport, December



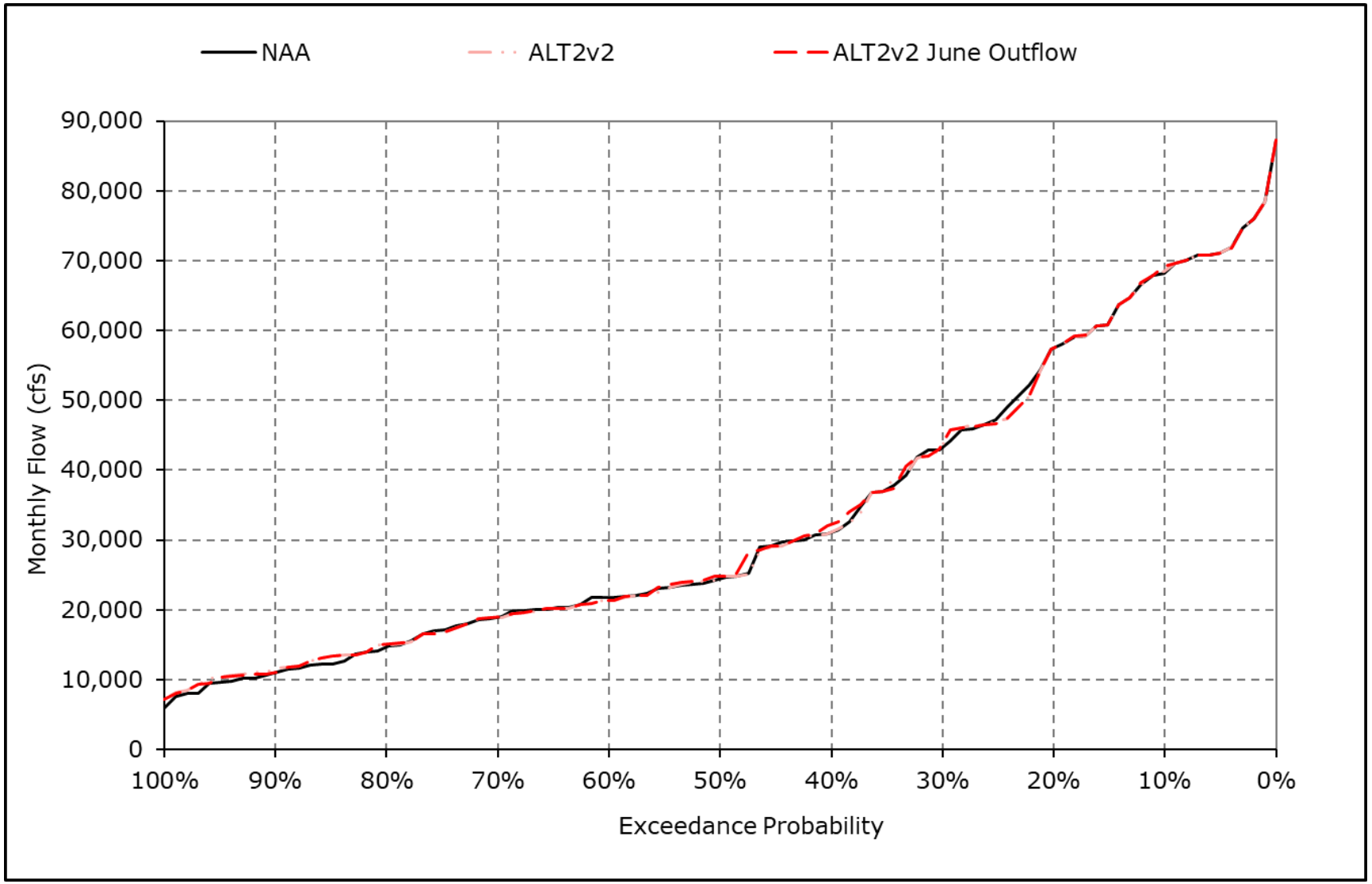
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-10. Sacramento River Flow at Freeport, January



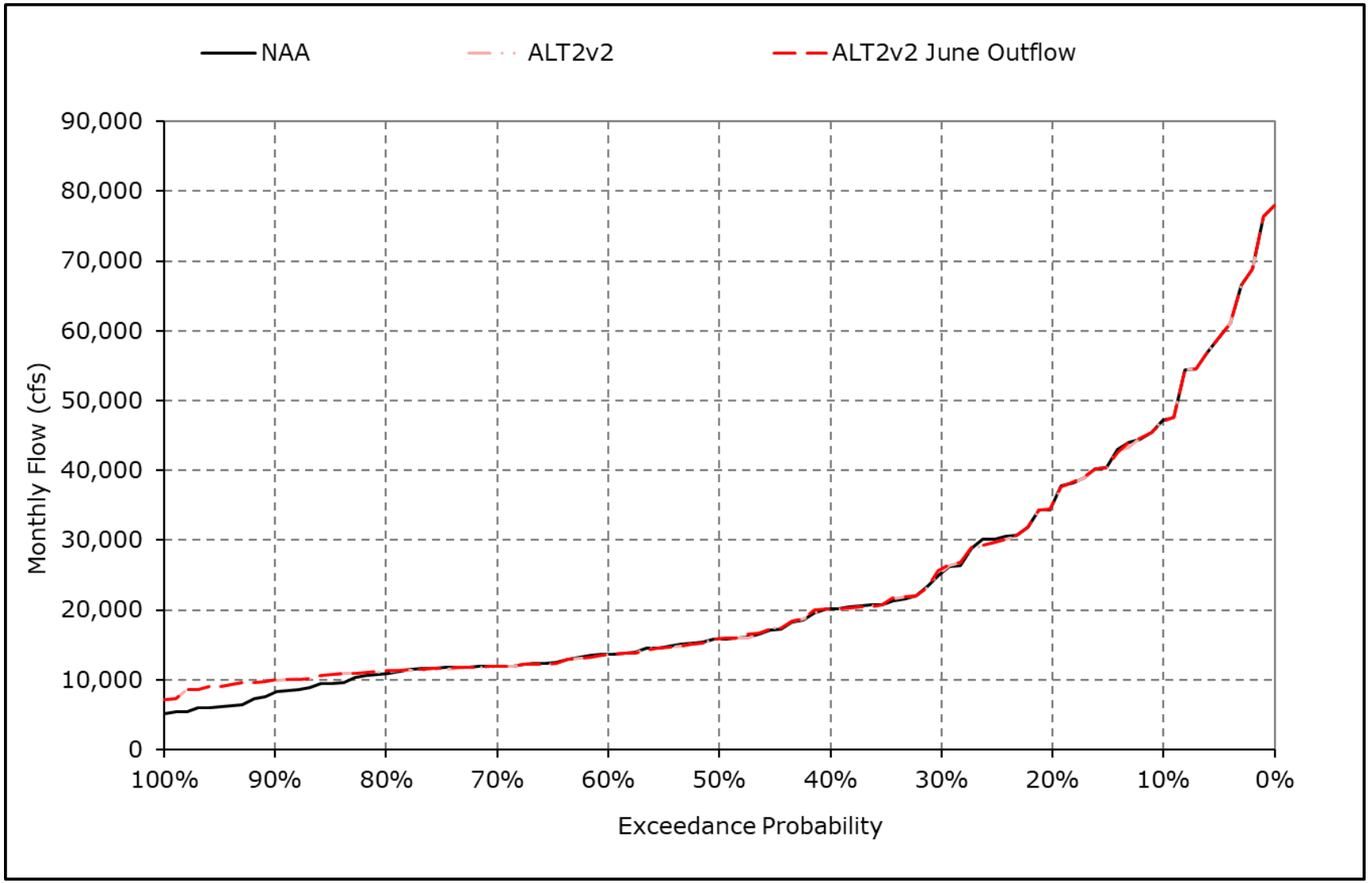
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-11. Sacramento River Flow at Freeport, February



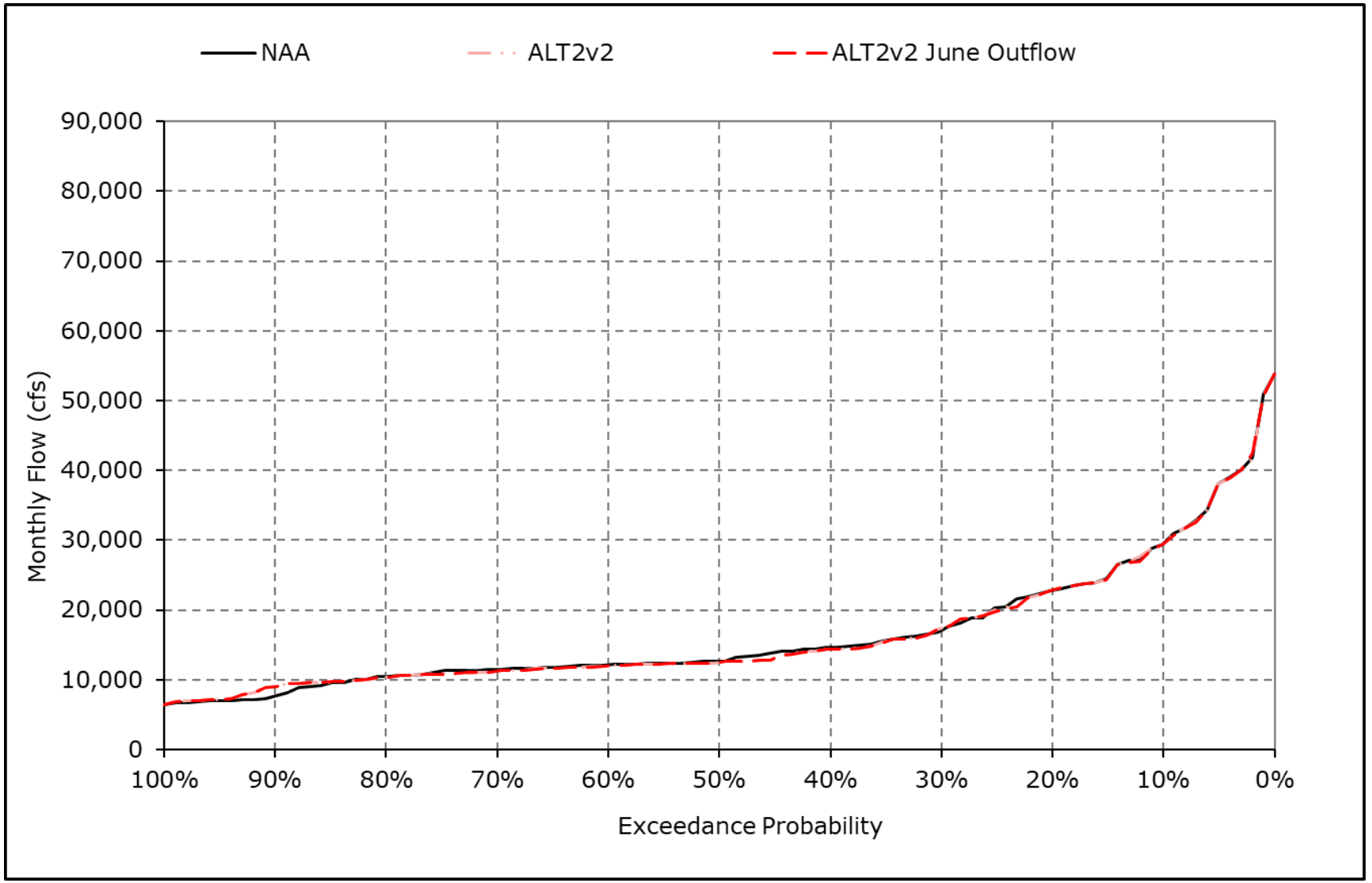
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-12. Sacramento River Flow at Freeport, March



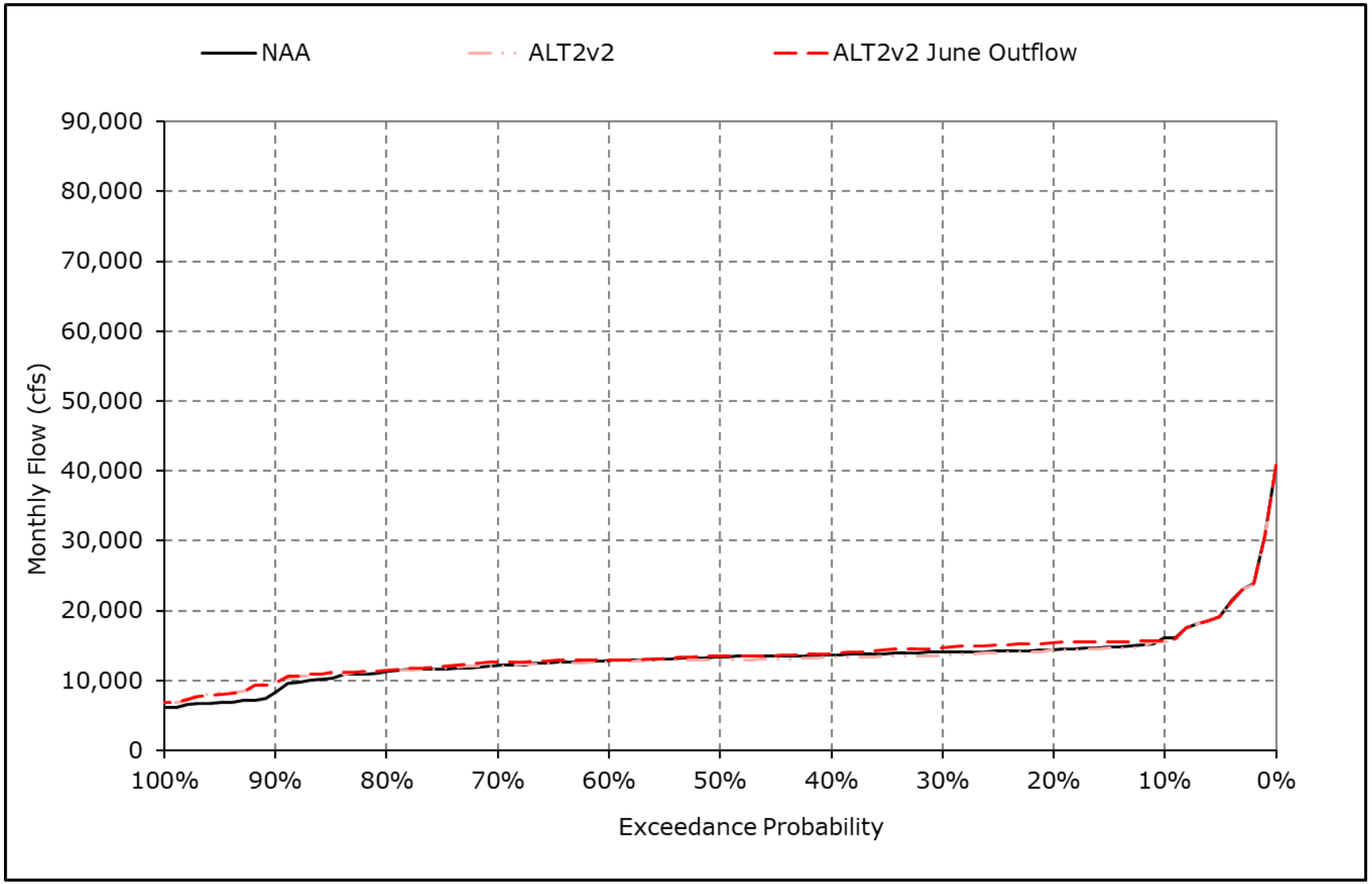
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-13. Sacramento River Flow at Freeport, April



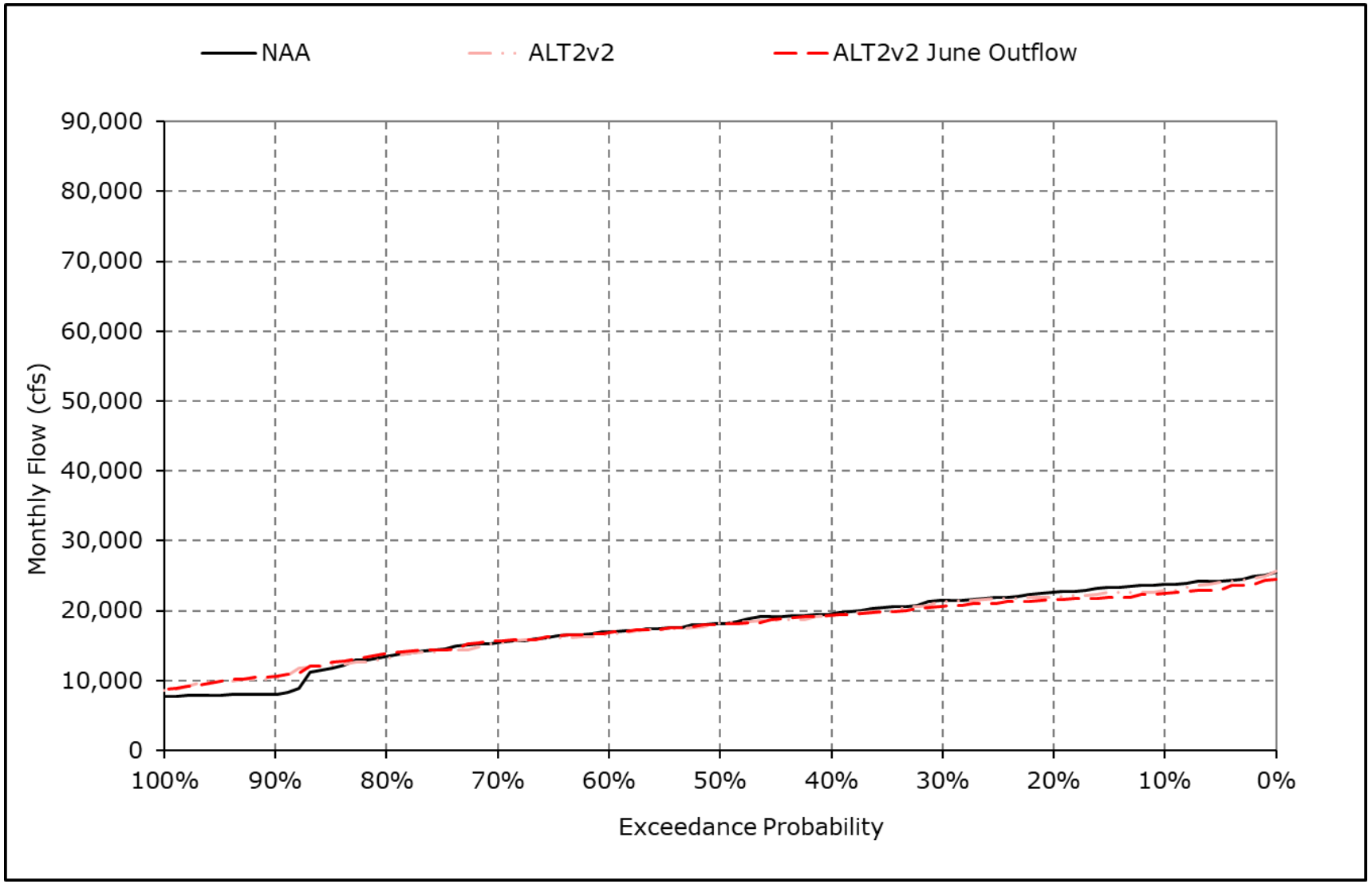
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-14. Sacramento River Flow at Freeport, May



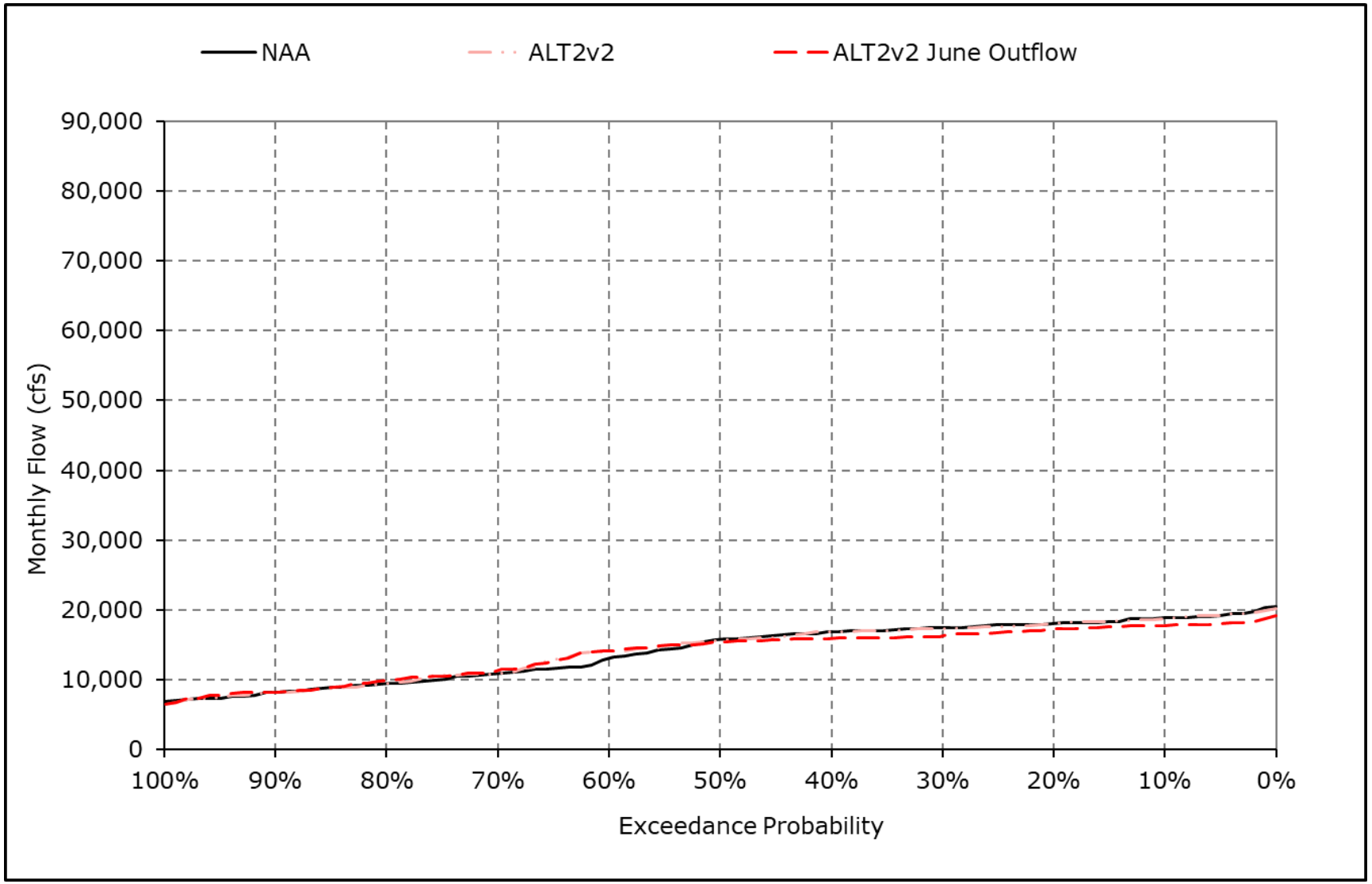
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-14-15. Sacramento River Flow at Freeport, June



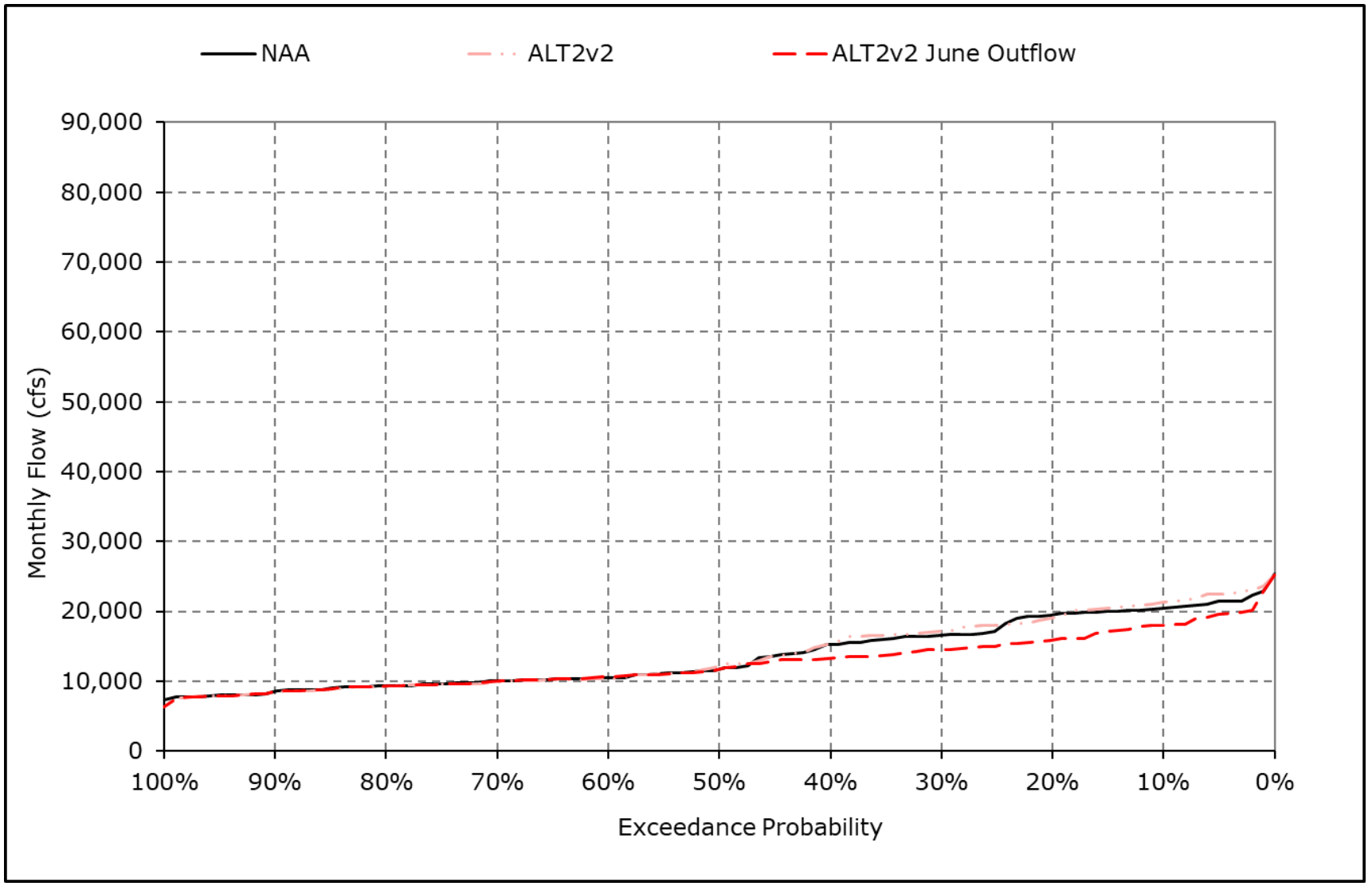
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-15-1c. Sacramento River Flow at Rio Vista, ALT2v2 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.2.2-15-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

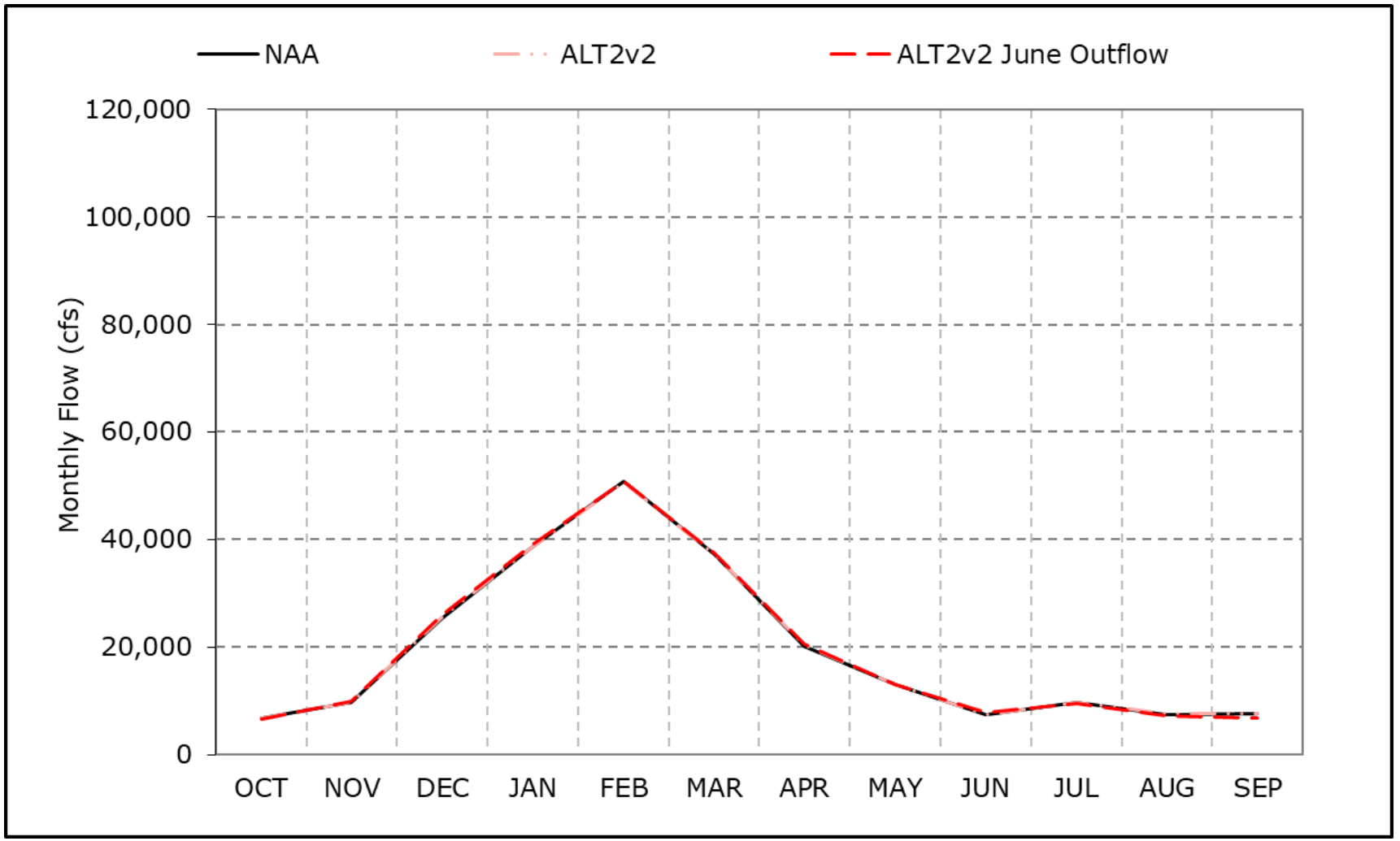
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,148	15,783	67,130	93,407	124,463	83,245	41,106	24,842	8,866	12,806	9,857	10,433
20% Exceedance	7,301	9,906	41,162	65,869	76,254	57,984	29,784	18,785	8,624	12,257	9,503	9,024
30% Exceedance	6,561	9,229	22,815	36,066	54,437	41,496	21,082	13,677	8,296	11,595	8,989	8,192
40% Exceedance	6,067	8,300	17,026	27,710	45,202	29,096	16,293	10,926	7,552	10,686	8,624	7,247
50% Exceedance	5,702	8,042	14,282	22,004	28,859	22,276	12,265	9,299	7,267	9,989	8,258	6,160
60% Exceedance	5,237	6,911	11,712	16,880	21,369	18,034	10,350	8,776	6,908	9,080	7,421	5,461
70% Exceedance	4,820	5,738	10,031	11,281	16,600	15,760	8,796	8,064	6,671	8,280	5,555	5,025
80% Exceedance	4,255	4,917	8,300	9,499	14,561	12,128	8,256	7,224	6,072	7,054	4,547	4,349
90% Exceedance	3,803	4,500	7,028	7,901	10,592	8,561	7,093	6,274	4,640	5,102	3,660	3,947
Full Simulation Period Average[a]	6,569	9,886	26,036	39,043	50,898	37,370	20,475	12,973	7,726	9,576	7,281	6,880
Wet Water Years (28%)	8,418	13,527	30,156	83,192	104,451	73,374	40,502	20,775	10,234	10,553	8,789	9,611
Above Normal Water Years (14%)	6,854	11,142	23,136	47,777	62,363	48,384	20,488	13,812	8,482	12,408	9,443	8,801
Below Normal Water Years (18%)	6,345	8,530	29,990	23,484	25,829	22,825	13,944	11,767	7,194	11,050	8,770	6,303
Dry Water Years (24%)	6,257	9,222	28,532	13,054	25,284	17,756	10,966	9,219	6,921	8,667	5,641	5,029
Critical Water Years (16%)	3,602	4,523	12,505	10,631	13,772	10,509	7,030	5,576	4,484	5,095	3,534	3,846

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

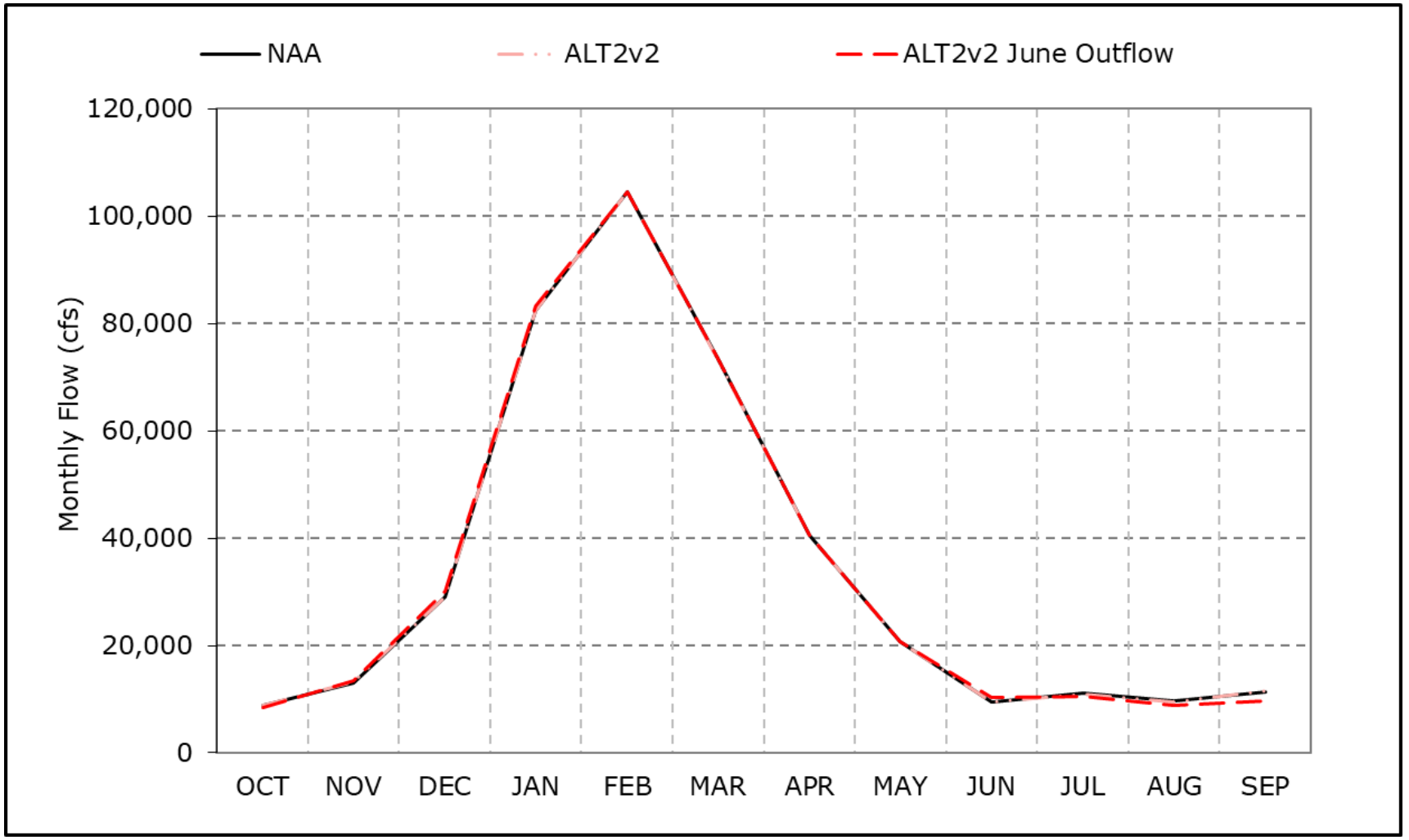
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-240	4	-140	448	88	55	-32	-35	-251	-848	-704	-1,687
20% Exceedance	-517	149	69	-706	-1,279	28	39	-5	713	-636	-585	-2,323
30% Exceedance	-775	565	1	772	68	683	419	229	628	-489	-661	-1,245
40% Exceedance	-575	69	-448	31	959	553	-169	-140	157	-276	-587	-1,368
50% Exceedance	-304	511	403	-303	162	696	-75	-204	64	75	-277	-41
60% Exceedance	42	-155	480	-209	-112	-341	-95	-123	5	-63	732	30
70% Exceedance	51	-6	580	-84	-109	53	-90	-204	127	123	287	31
80% Exceedance	6	79	450	-108	-106	433	328	-233	372	238	322	-49
90% Exceedance	14	27	189	-105	-62	112	1,548	1,275	856	1,530	87	-44
Full Simulation Period Average[a]	-280	283	611	251	156	101	310	-56	320	-108	-165	-679
Wet Water Years (28%)	-510	430	1,022	828	12	-9	23	3	768	-556	-848	-1,771
Above Normal Water Years (14%)	-941	584	911	662	283	-528	-107	-32	636	-868	-998	-1,412
Below Normal Water Years (18%)	198	306	245	-259	533	496	-114	-468	39	-356	498	125
Dry Water Years (24%)	-120	-29	688	-158	217	-42	-110	-44	-403	154	417	-18
Critical Water Years (16%)	-19	179	-140	70	-220	616	2,282	266	661	1,225	143	-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 Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



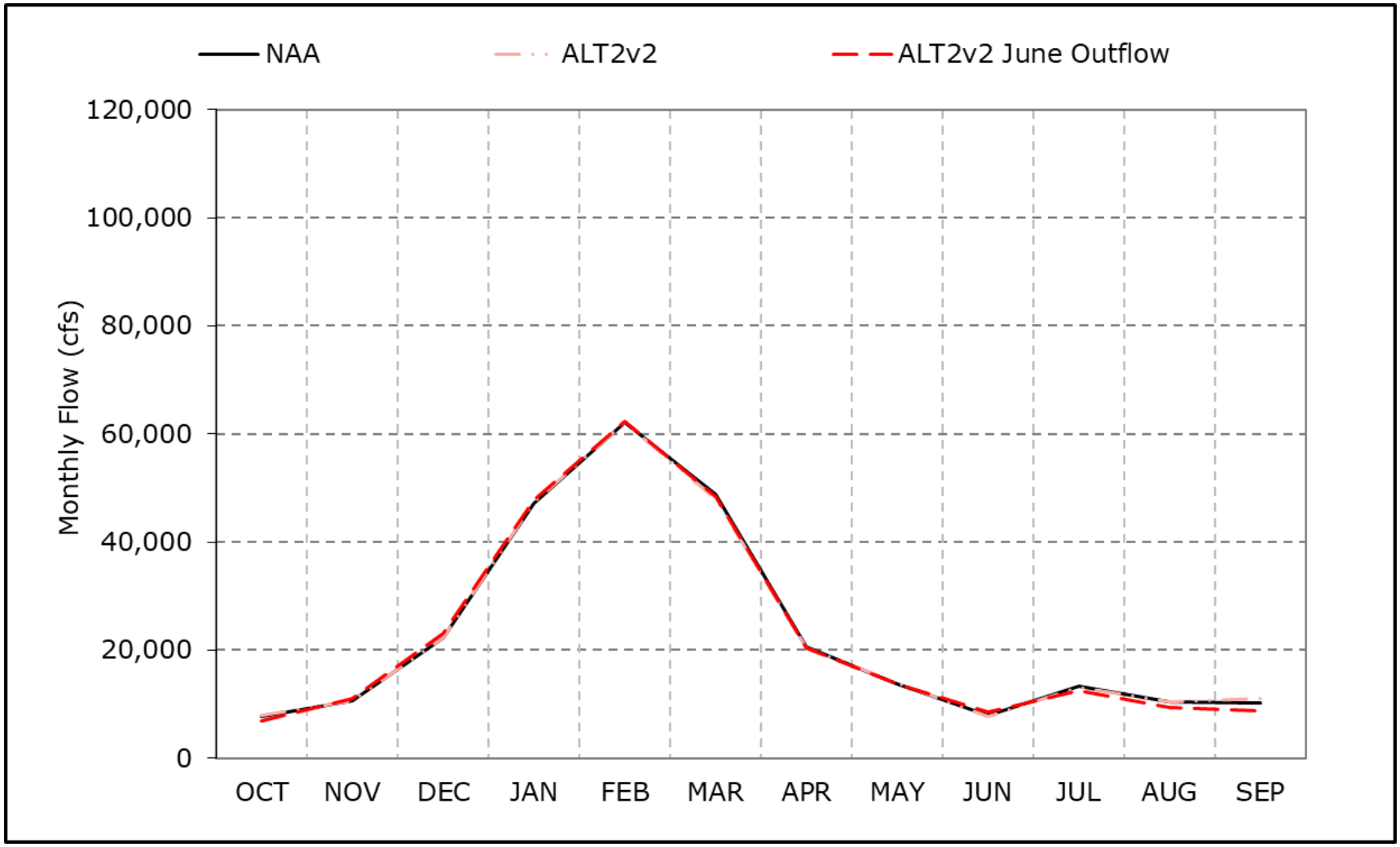
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-1. Sacramento River Flow at Rio Vista, Long-Term Average Flow



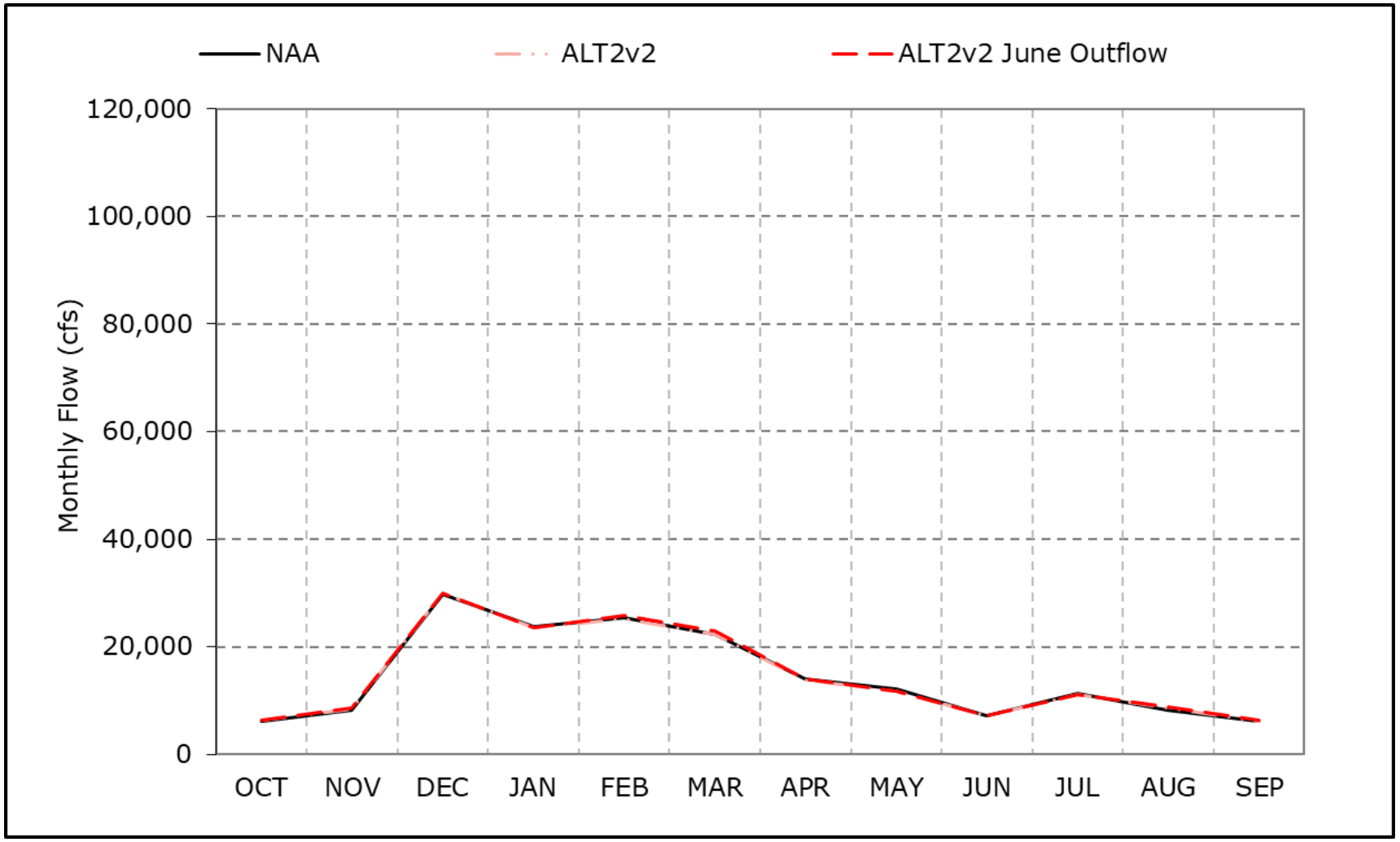
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-2. Sacramento River Flow at Rio Vista, Wet Year Average Flow



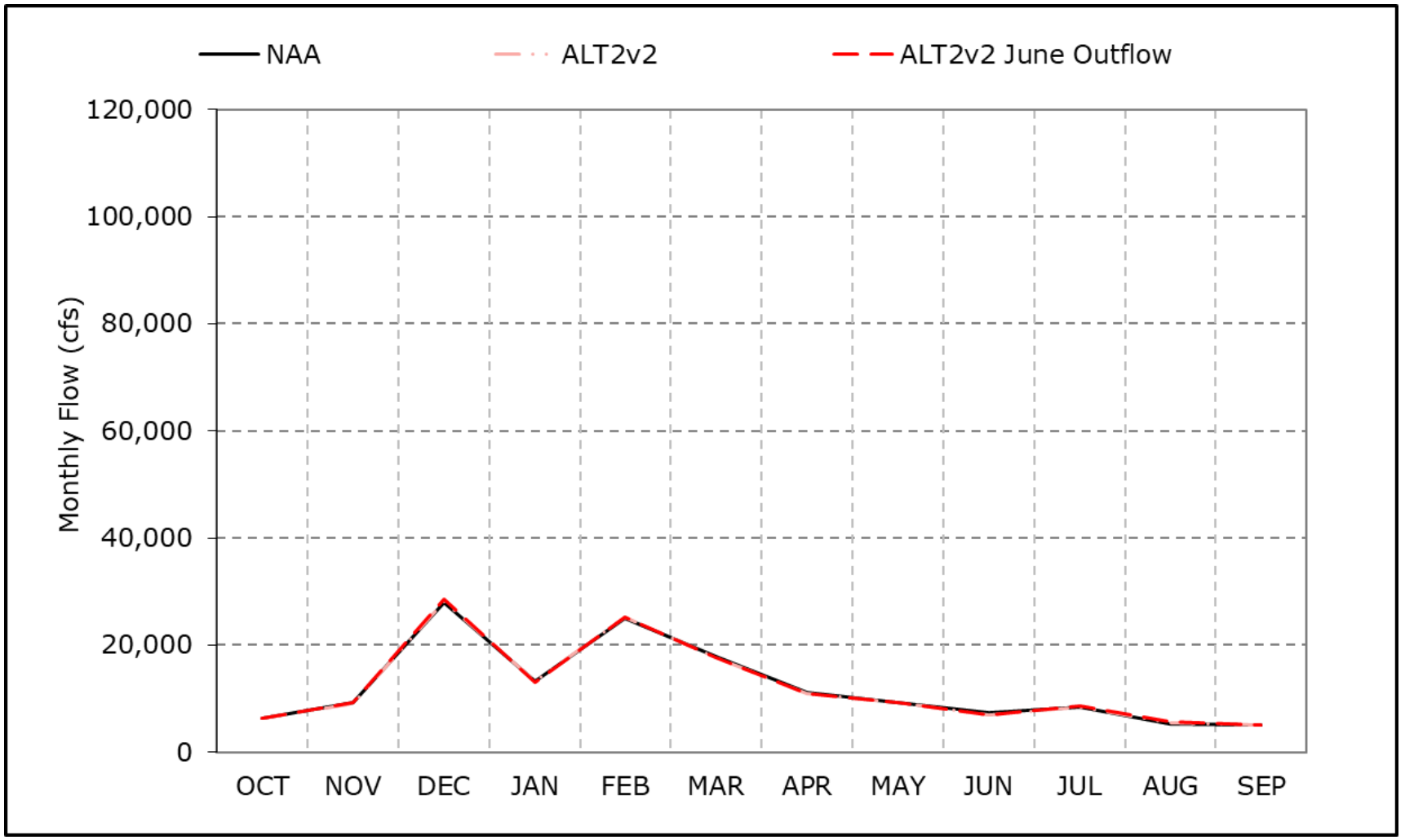
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-3. Sacramento River Flow at Rio Vista, Above Normal Year Average Flow



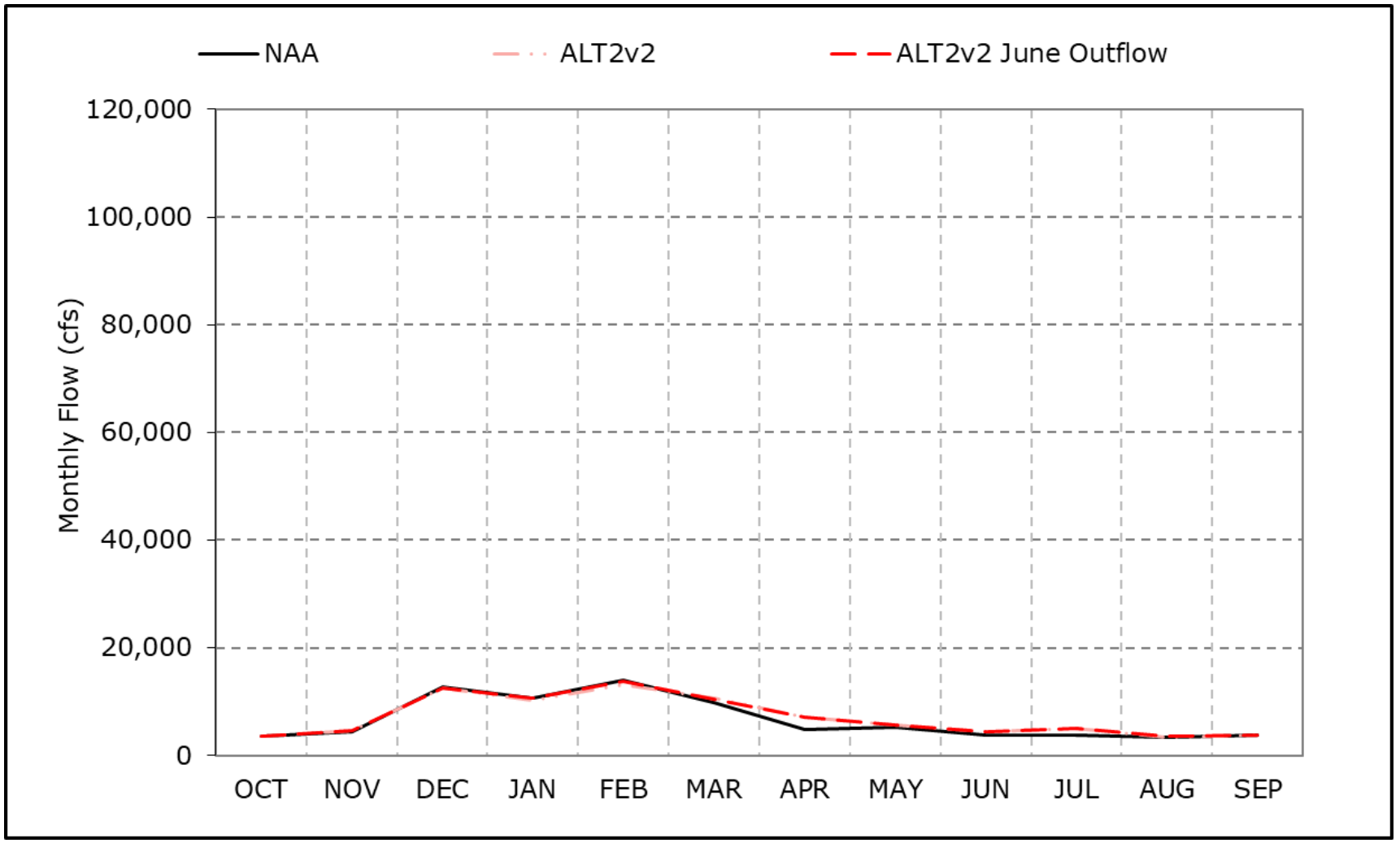
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-4. Sacramento River Flow at Rio Vista, Below Normal Year Average Flow



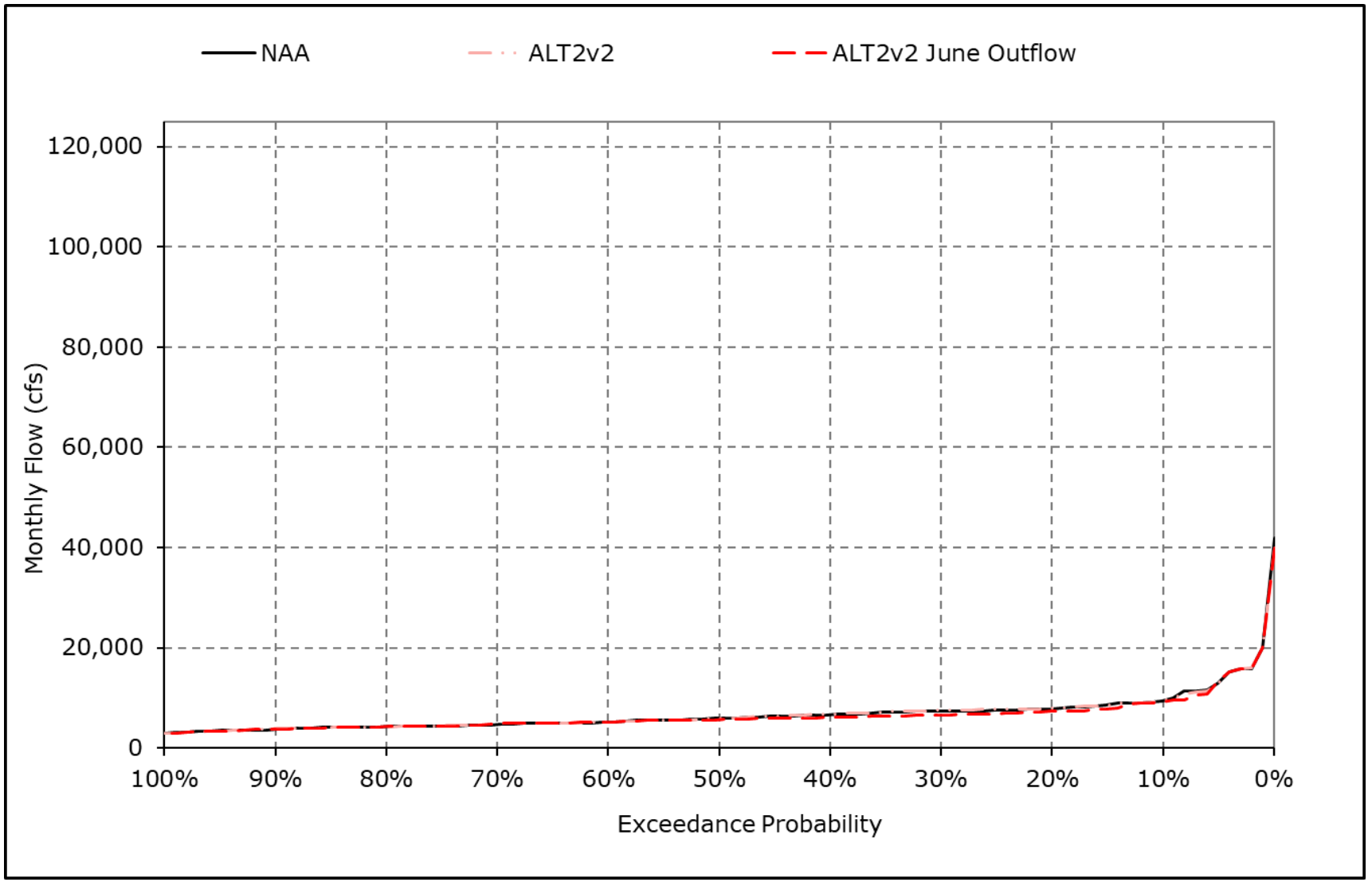
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-5. Sacramento River Flow at Rio Vista, Dry Year Average Flow



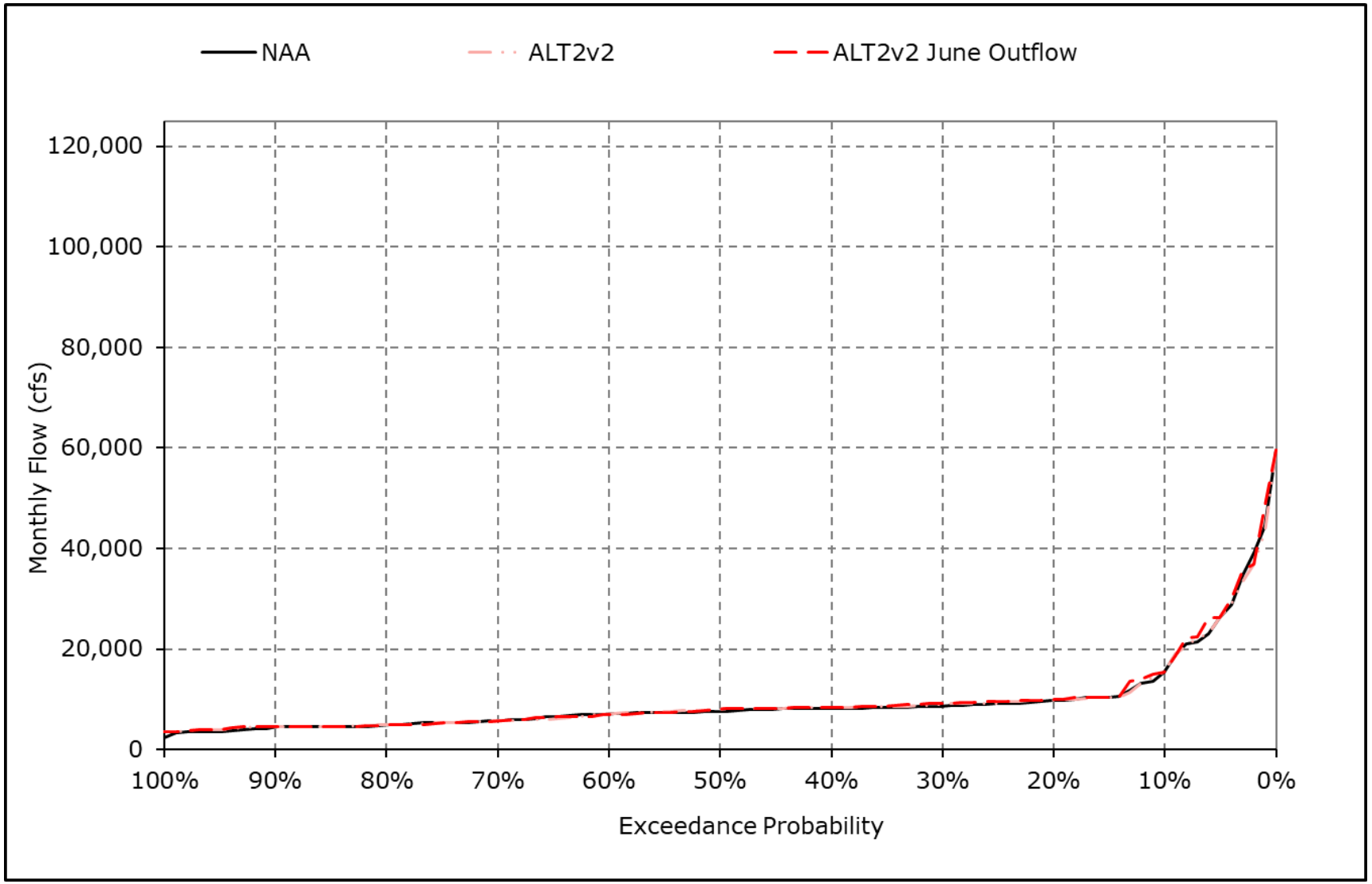
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-15-6. Sacramento River Flow at Rio Vista, Critical Year Average Flow



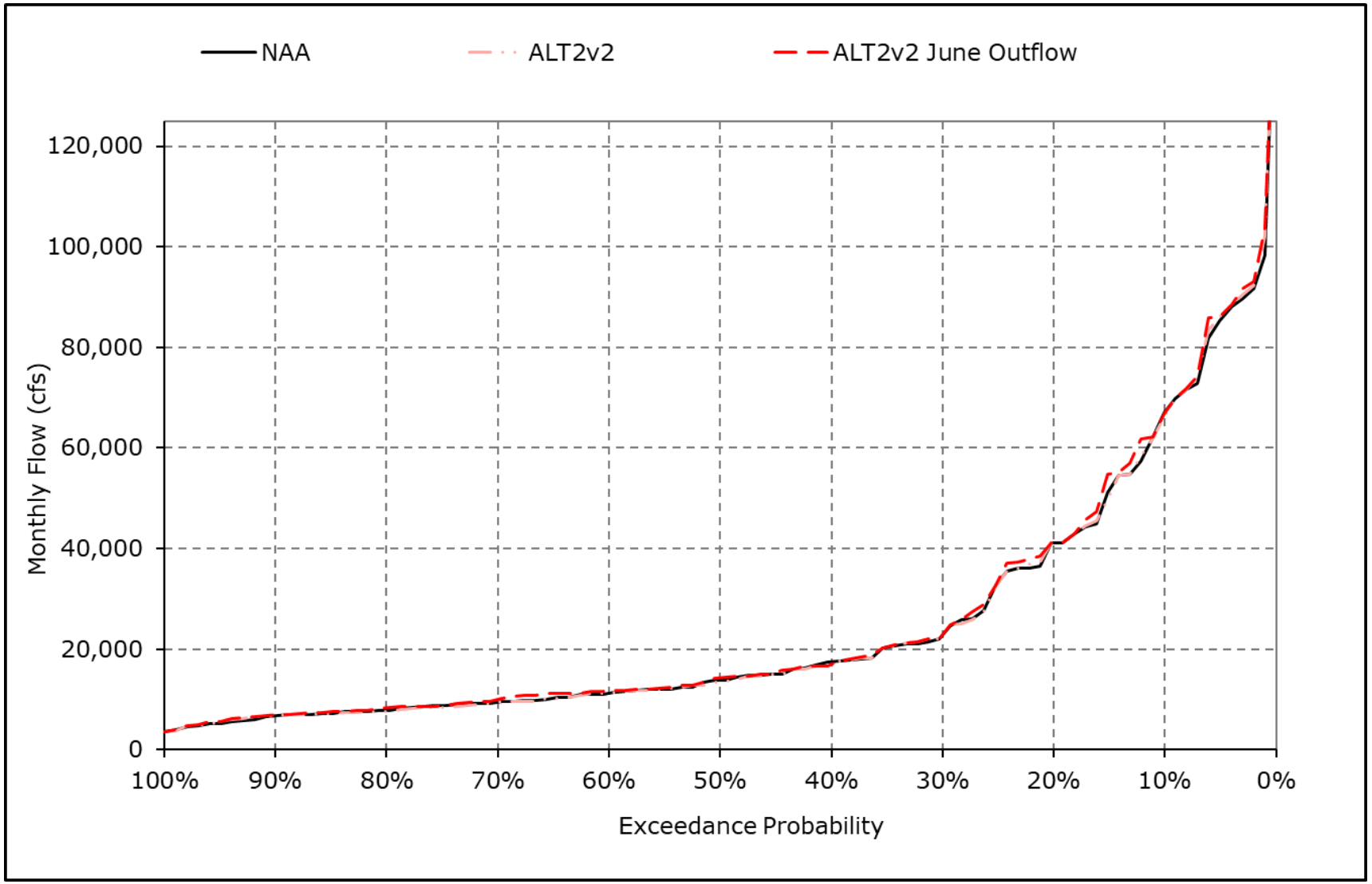
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-7. Sacramento River Flow at Rio Vista, October



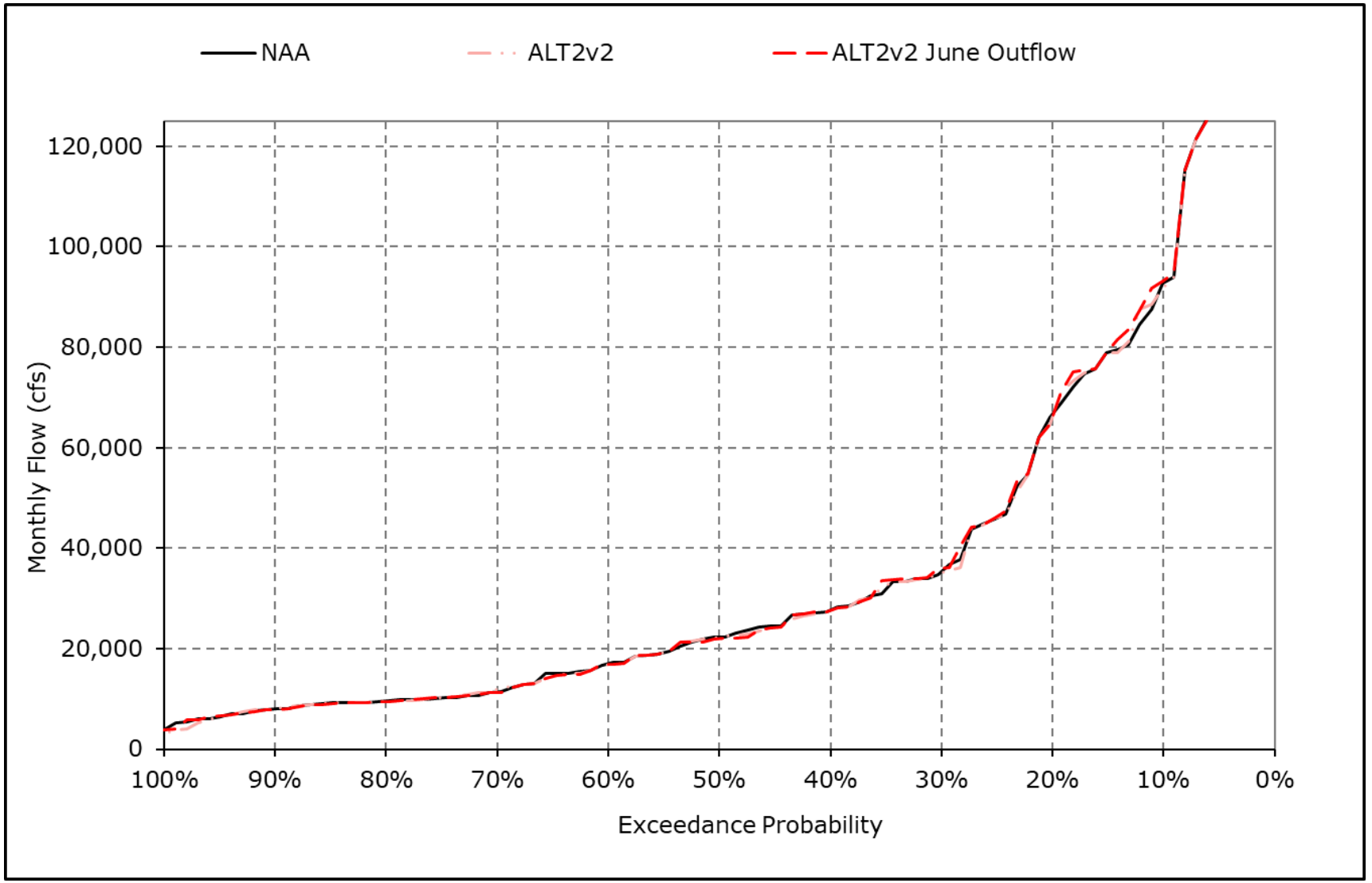
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-8. Sacramento River Flow at Rio Vista, November



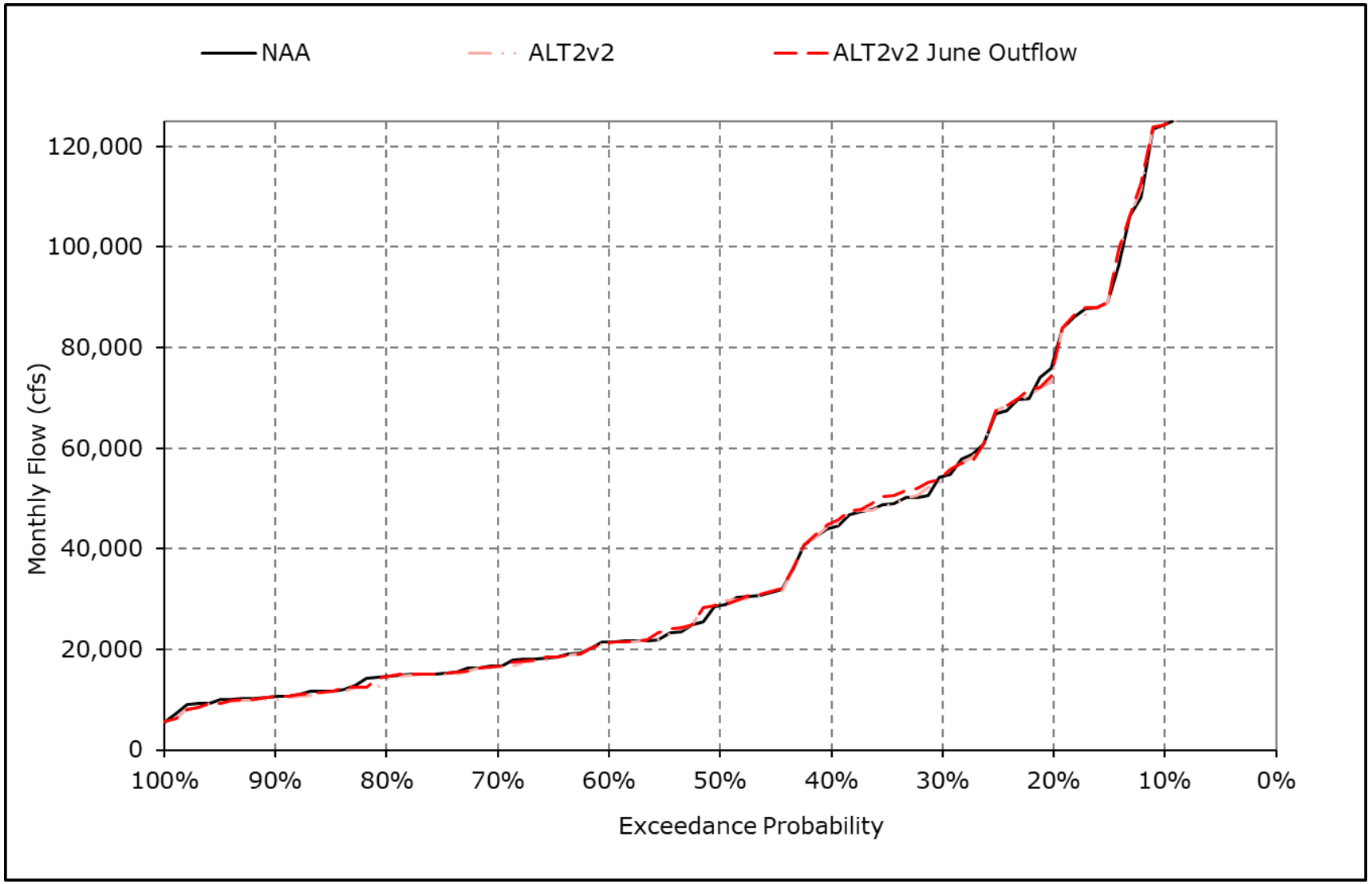
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-9. Sacramento River Flow at Rio Vista, December



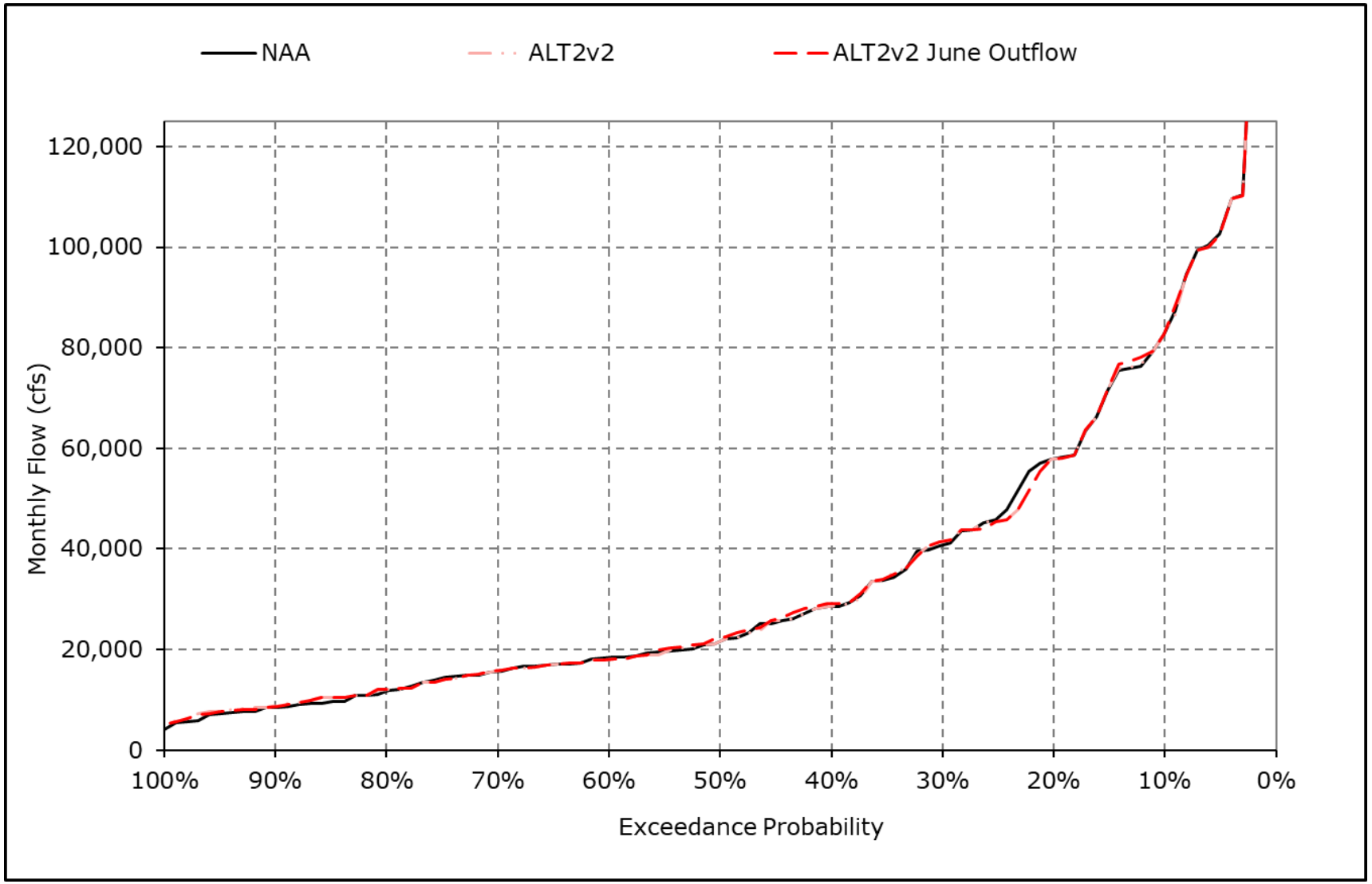
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-10. Sacramento River Flow at Rio Vista, January



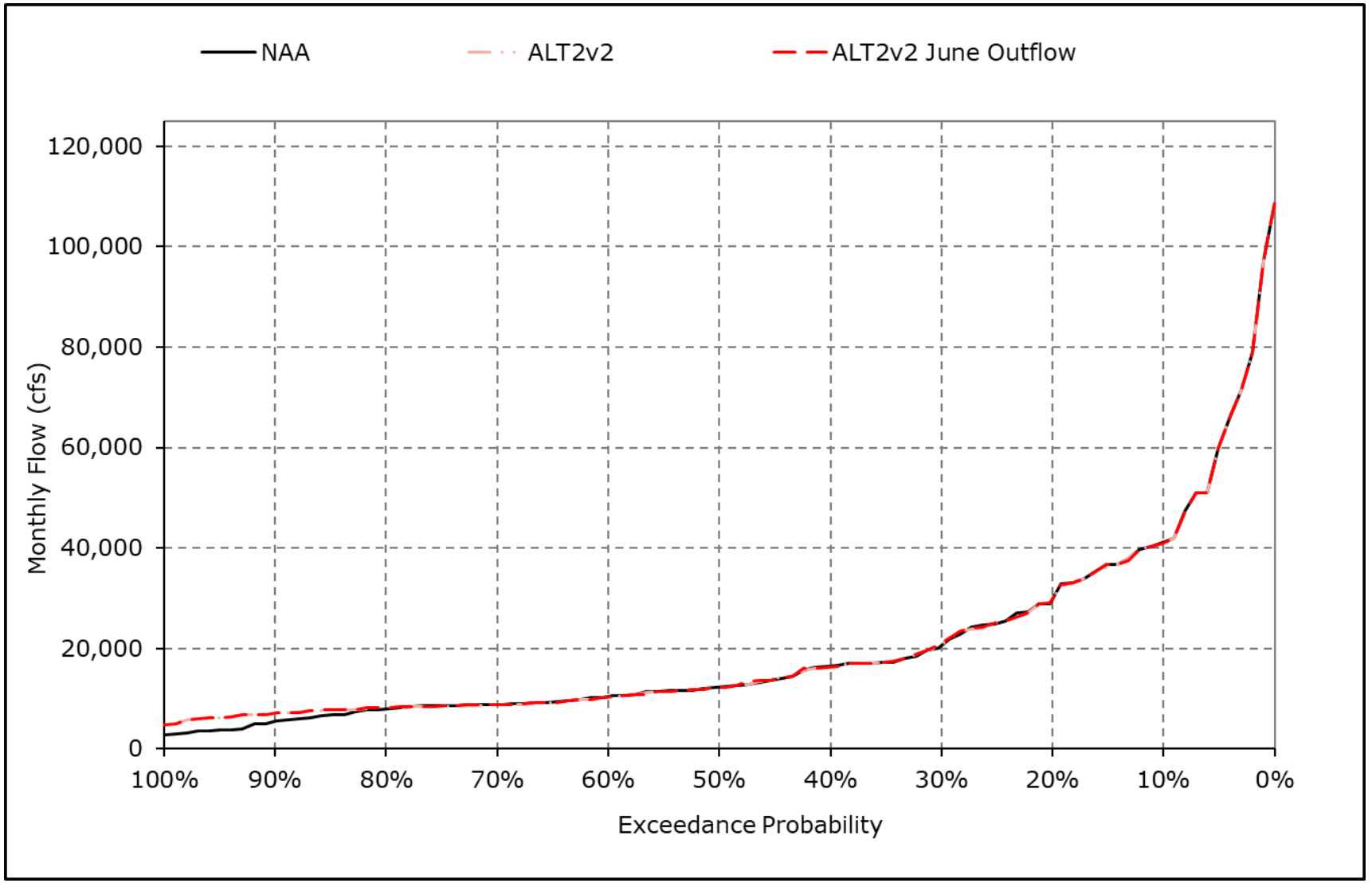
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-11. Sacramento River Flow at Rio Vista, February



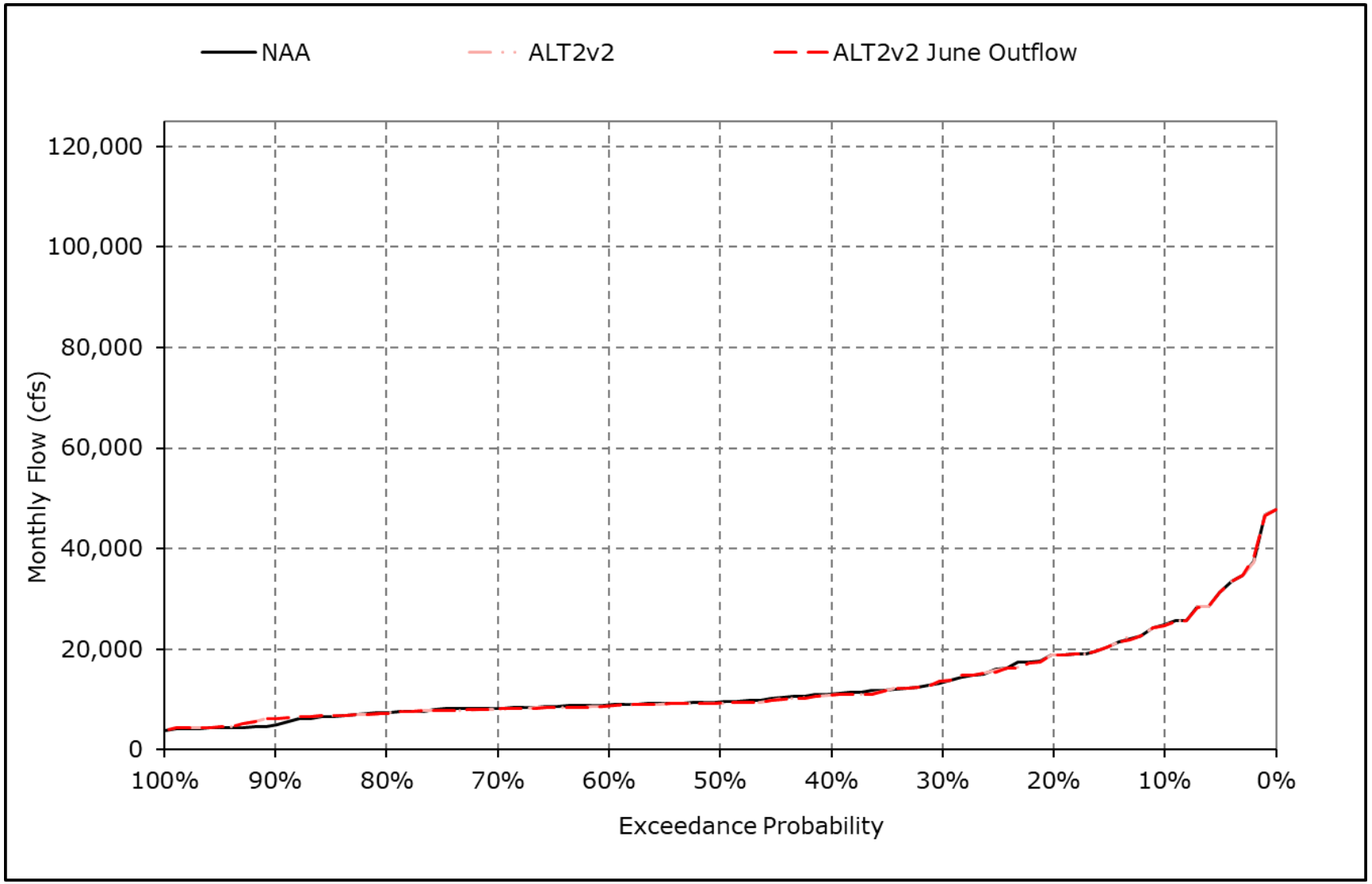
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-12. Sacramento River Flow at Rio Vista, March



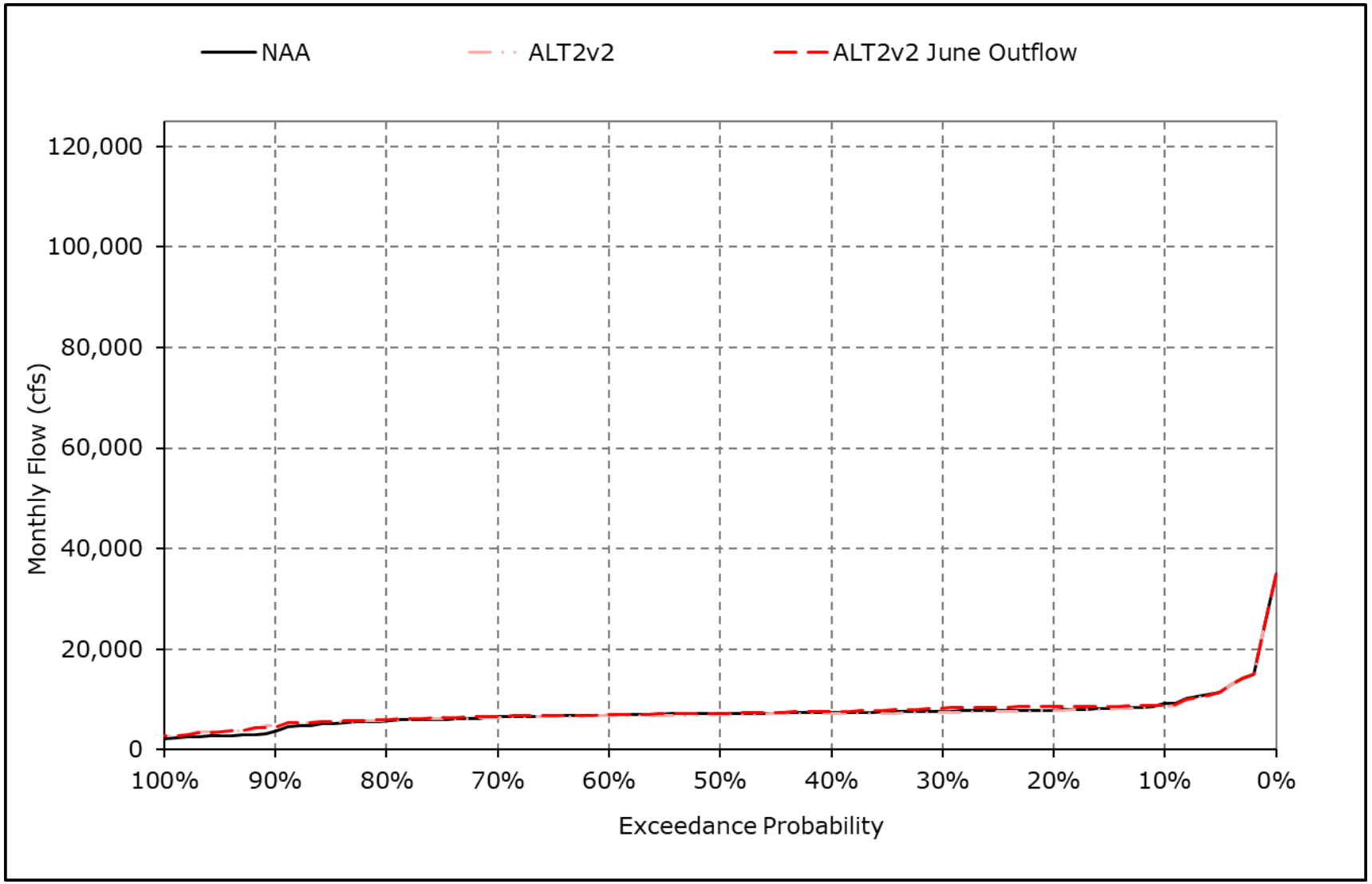
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-13. Sacramento River Flow at Rio Vista, April



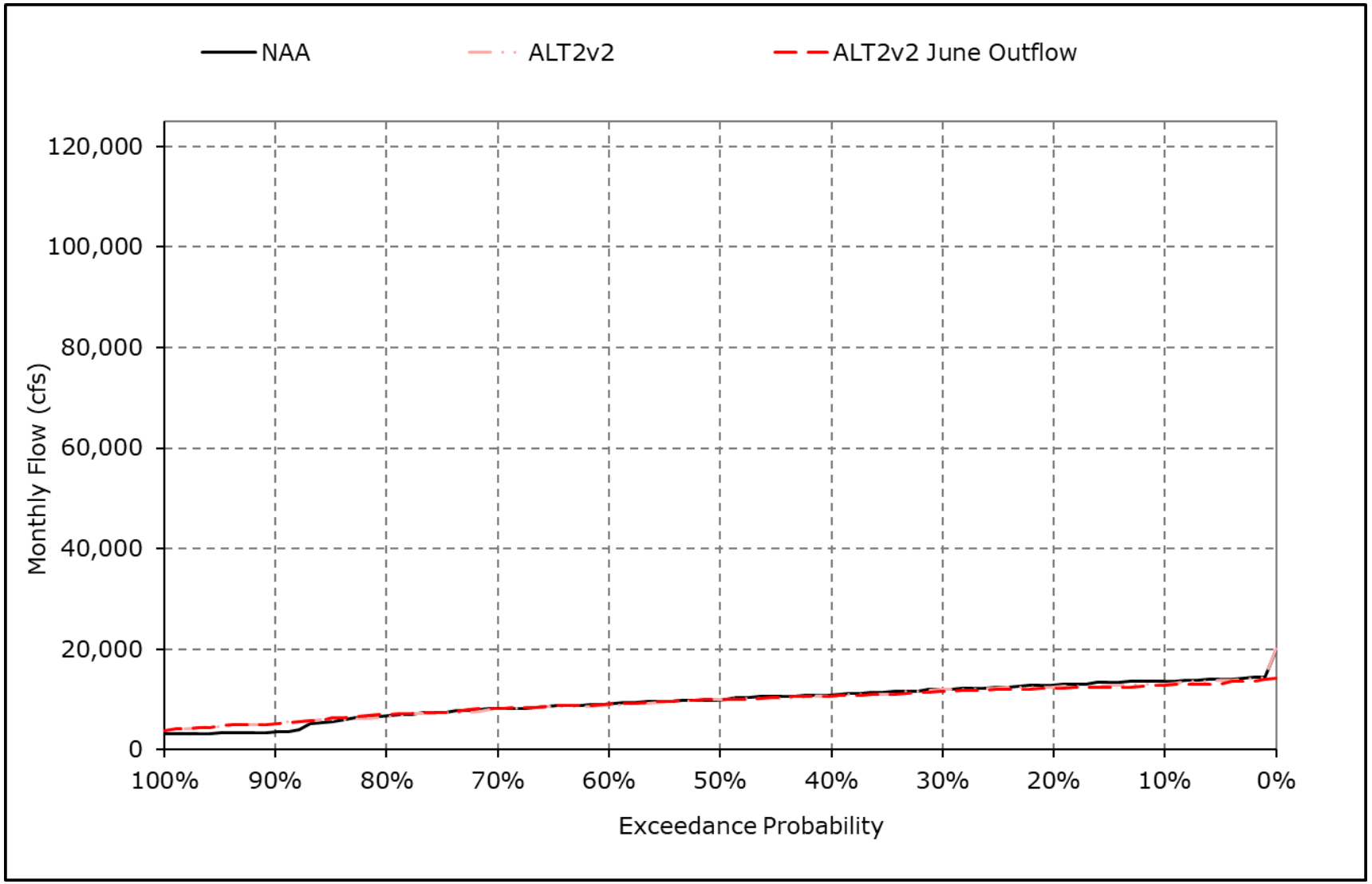
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-14. Sacramento River Flow at Rio Vista, May



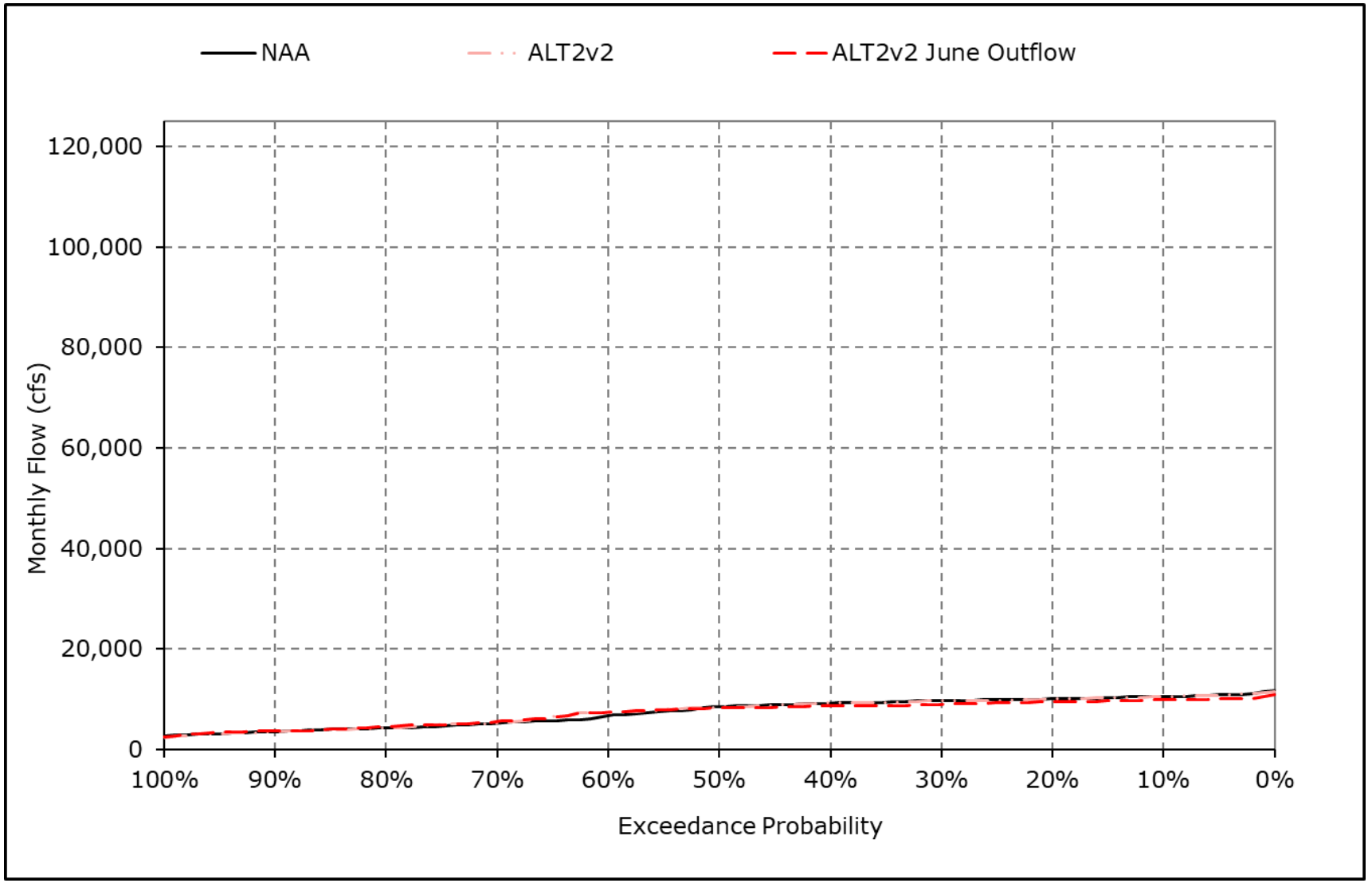
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-15-15. Sacramento River Flow at Rio Vista, June



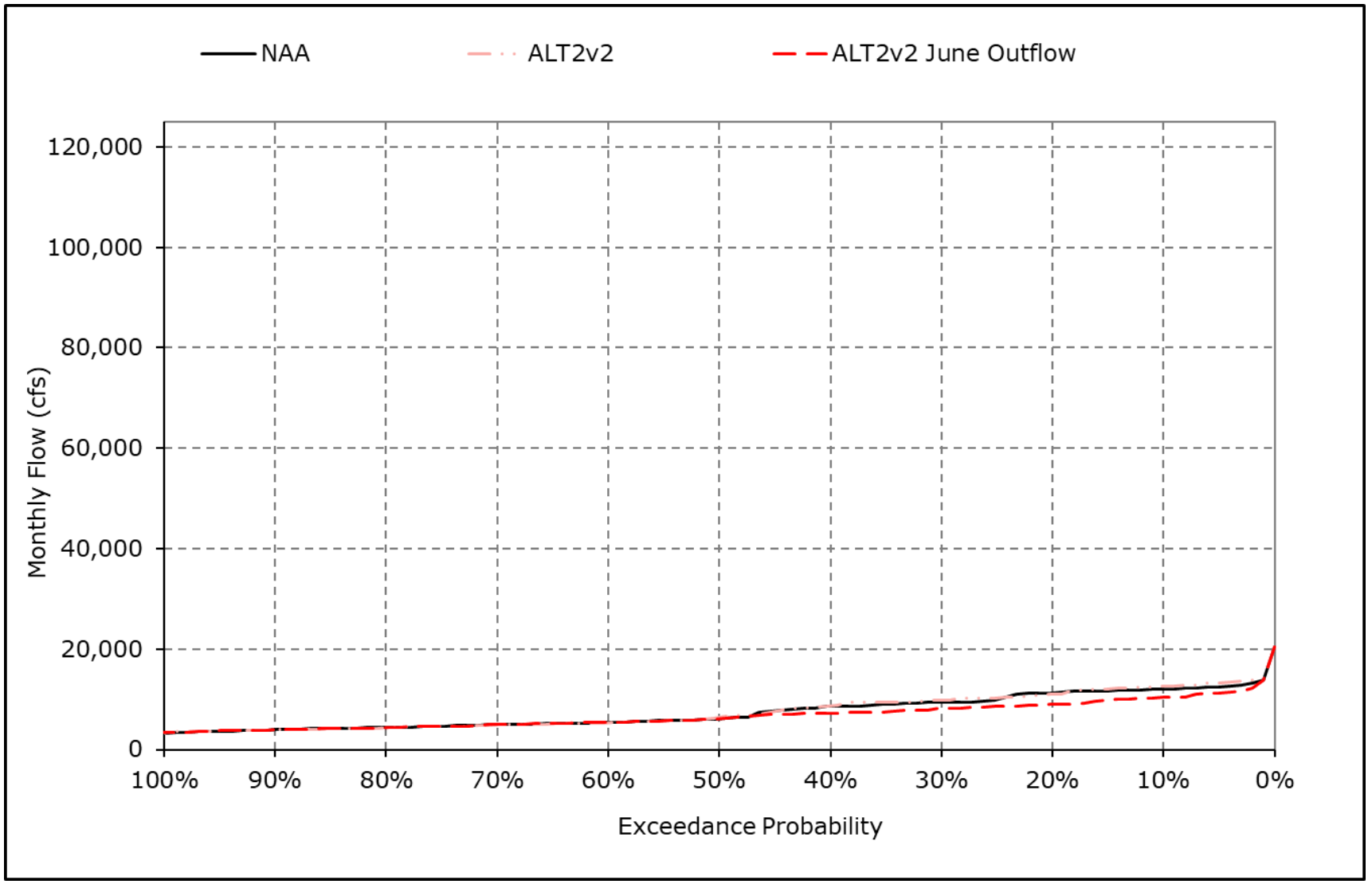
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-16-1c. San Joaquin River Flow at Gravelly Ford, ALT2v2 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.2.2-16-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

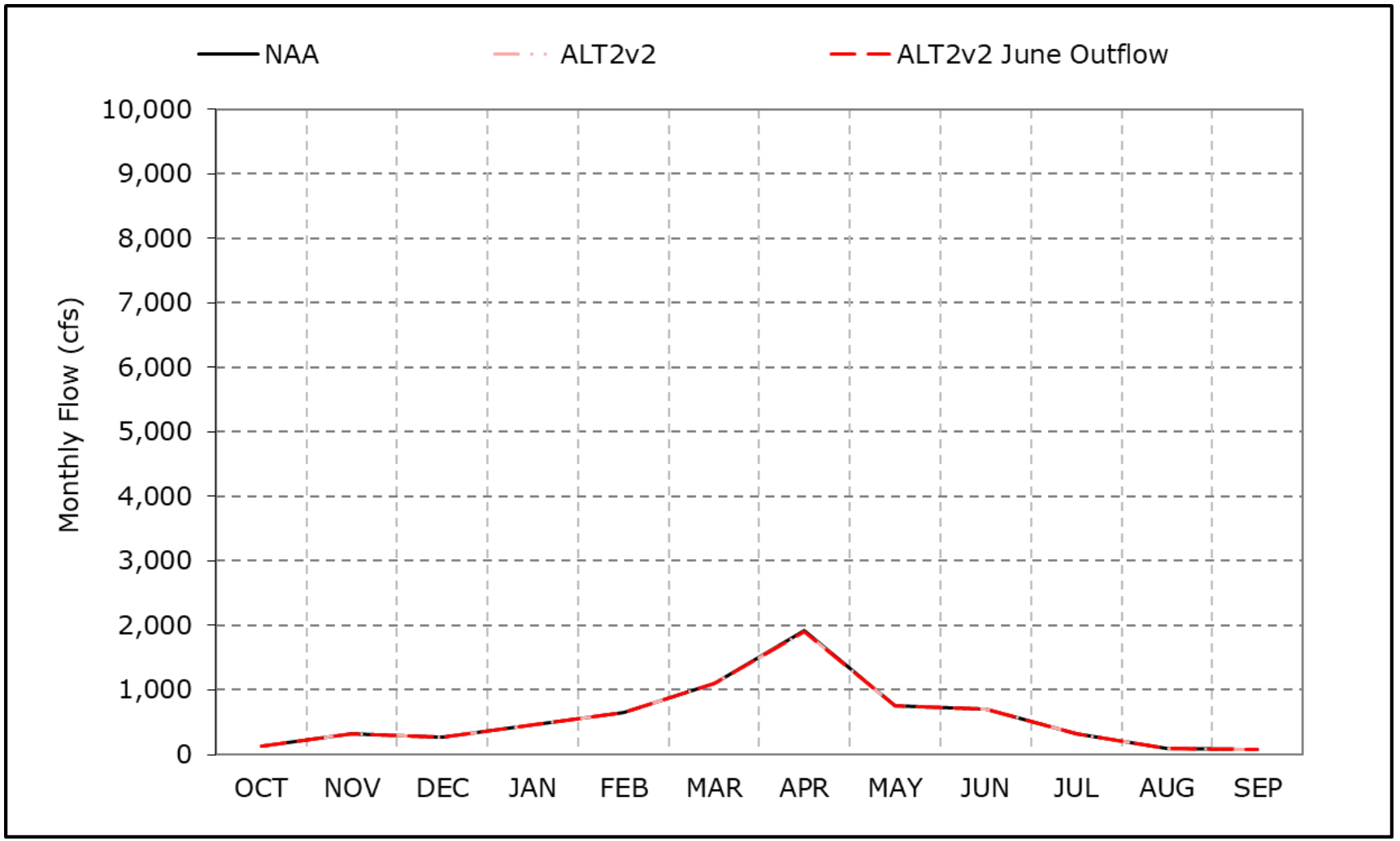
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	152	360	216	250	1,929	1,802	3,378	2,362	2,324	1,121	260	104
20% Exceedance	148	358	193	213	317	1,008	3,257	1,192	1,197	1,081	226	102
30% Exceedance	147	357	188	210	238	869	3,192	328	210	72	72	96
40% Exceedance	147	357	186	209	213	837	2,844	269	179	71	72	94
50% Exceedance	146	356	185	209	212	836	1,588	183	149	67	70	93
60% Exceedance	143	354	184	208	211	834	1,231	134	131	61	66	90
70% Exceedance	142	353	183	206	210	833	839	120	123	59	63	87
80% Exceedance	137	313	182	205	208	831	263	114	121	54	57	73
90% Exceedance	115	312	155	186	201	826	154	98	90	0	0	67
Full Simulation Period Average[a]	134	323	267	461	654	1,111	1,911	750	702	314	103	84
Wet Water Years (22%)	140	352	462	1,409	2,026	1,998	3,649	2,708	2,662	1,243	277	82
Above Normal Water Years (12%)	146	357	310	219	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	58	64	91
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.2.2-16-2c. San Joaquin River Flow at Gravelly Ford, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

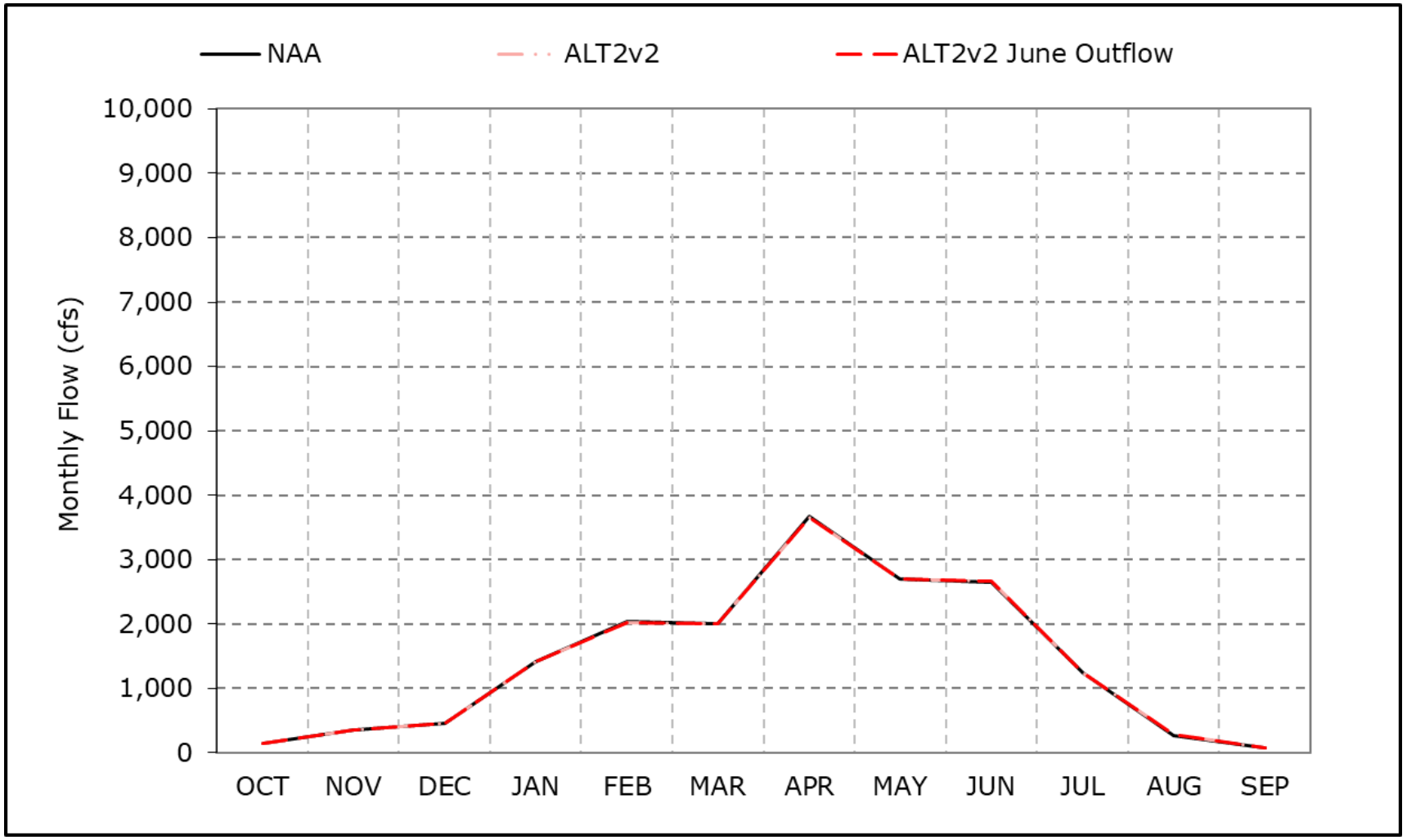
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	0	0	4	1	0	45	78	5	0	0
20% Exceedance	0	0	0	0	0	0	-8	0	0	0	0	0
30% Exceedance	0	0	0	0	3	1	-30	0	0	0	0	0
40% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	-1	-1	0
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	-1	1	0
90% Exceedance	0	0	0	0	0	0	0	0	-2	0	0	0
Full Simulation Period Average[a]	0	0	0	0	-3	1	-6	2	4	0	0	0
Wet Water Years (22%)	0	0	0	1	-14	-3	-29	7	19	1	1	0
Above Normal Water Years (12%)	0	0	0	0	0	14	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	0	0	0	0	-1	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.



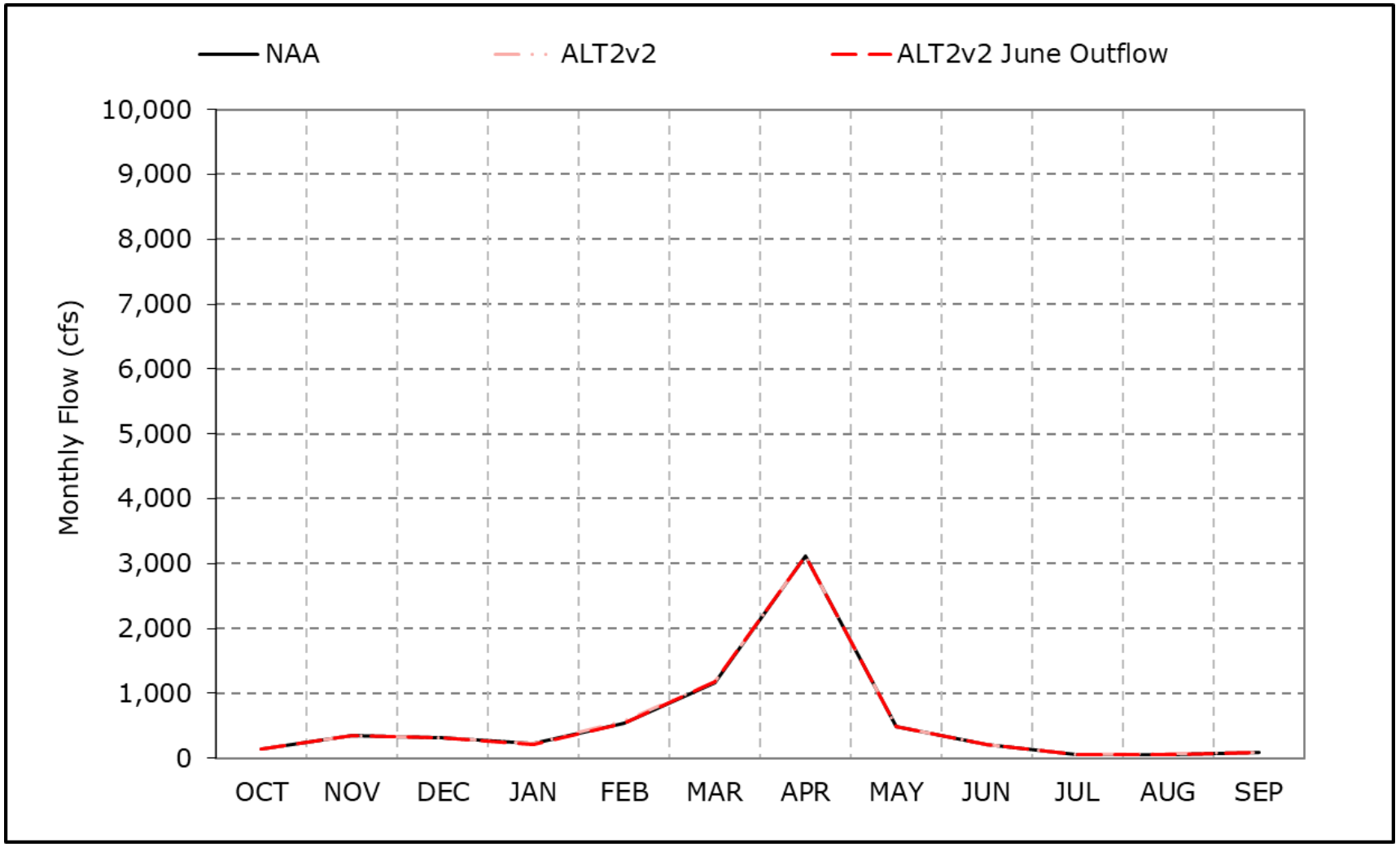
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-1. San Joaquin River Flow at Gravelly Ford, Long-Term Average Flow



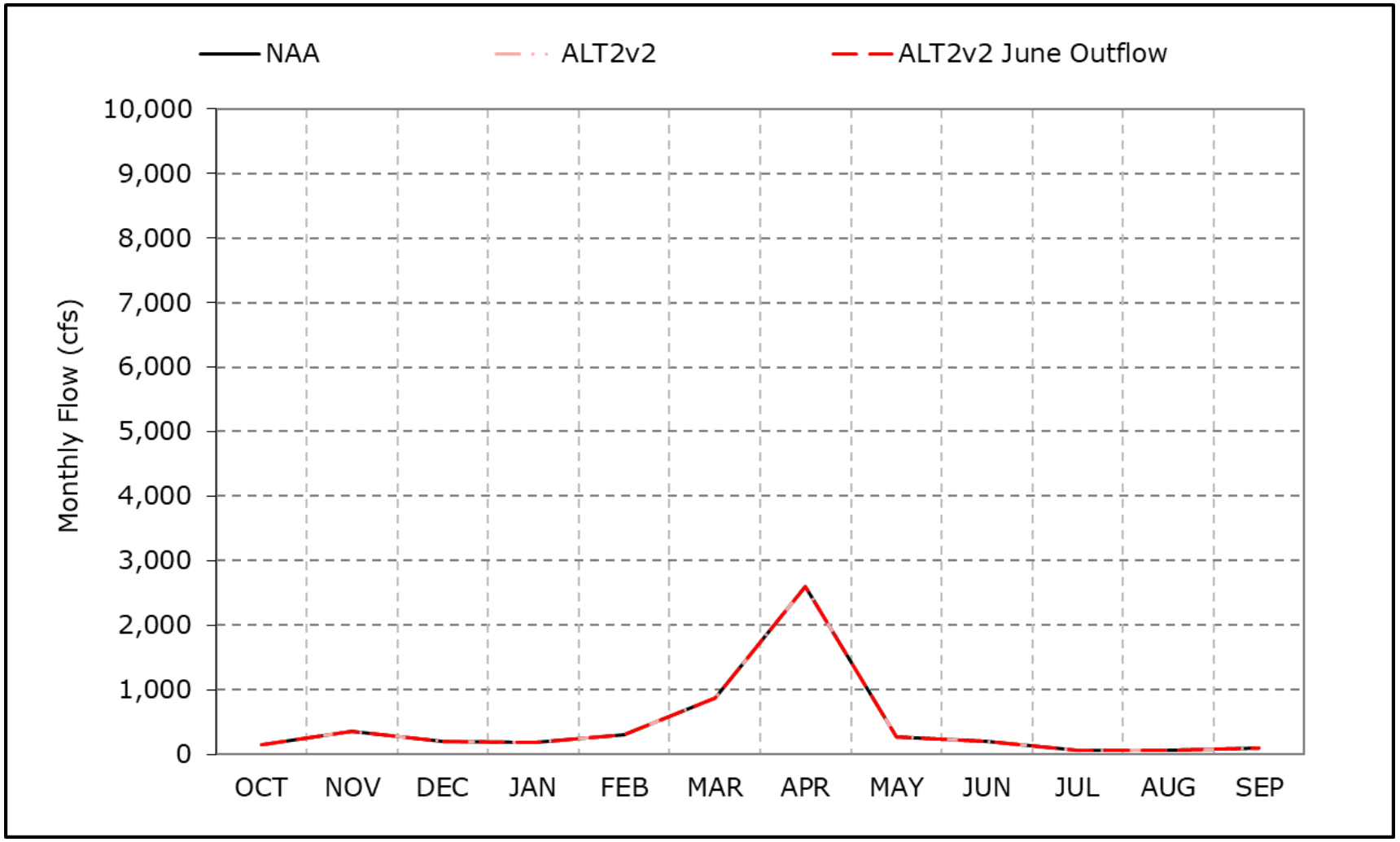
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-2. San Joaquin River Flow at Gravelly Ford, Wet Year Average Flow



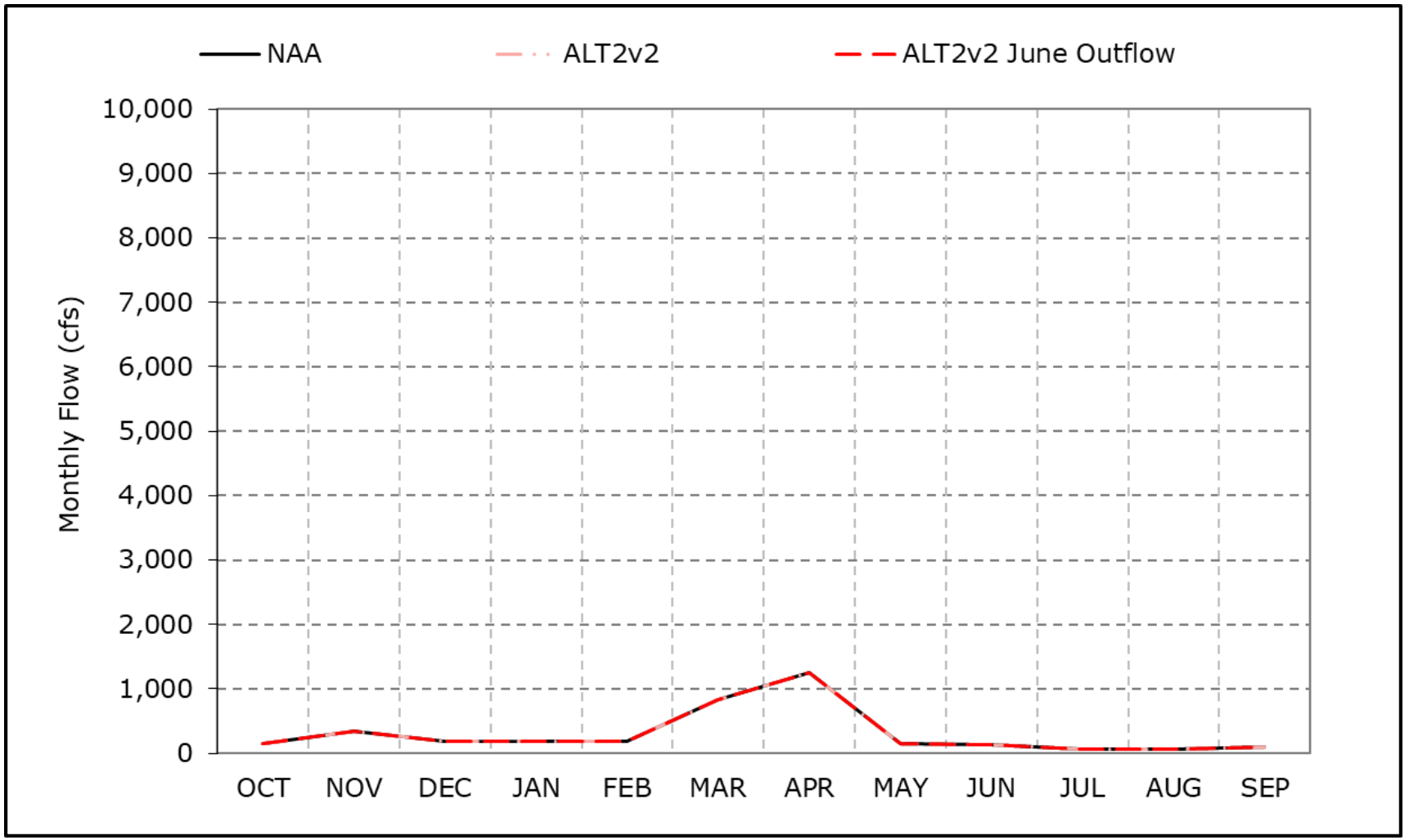
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-3. San Joaquin River Flow at Gravelly Ford, Above Normal Year Average Flow



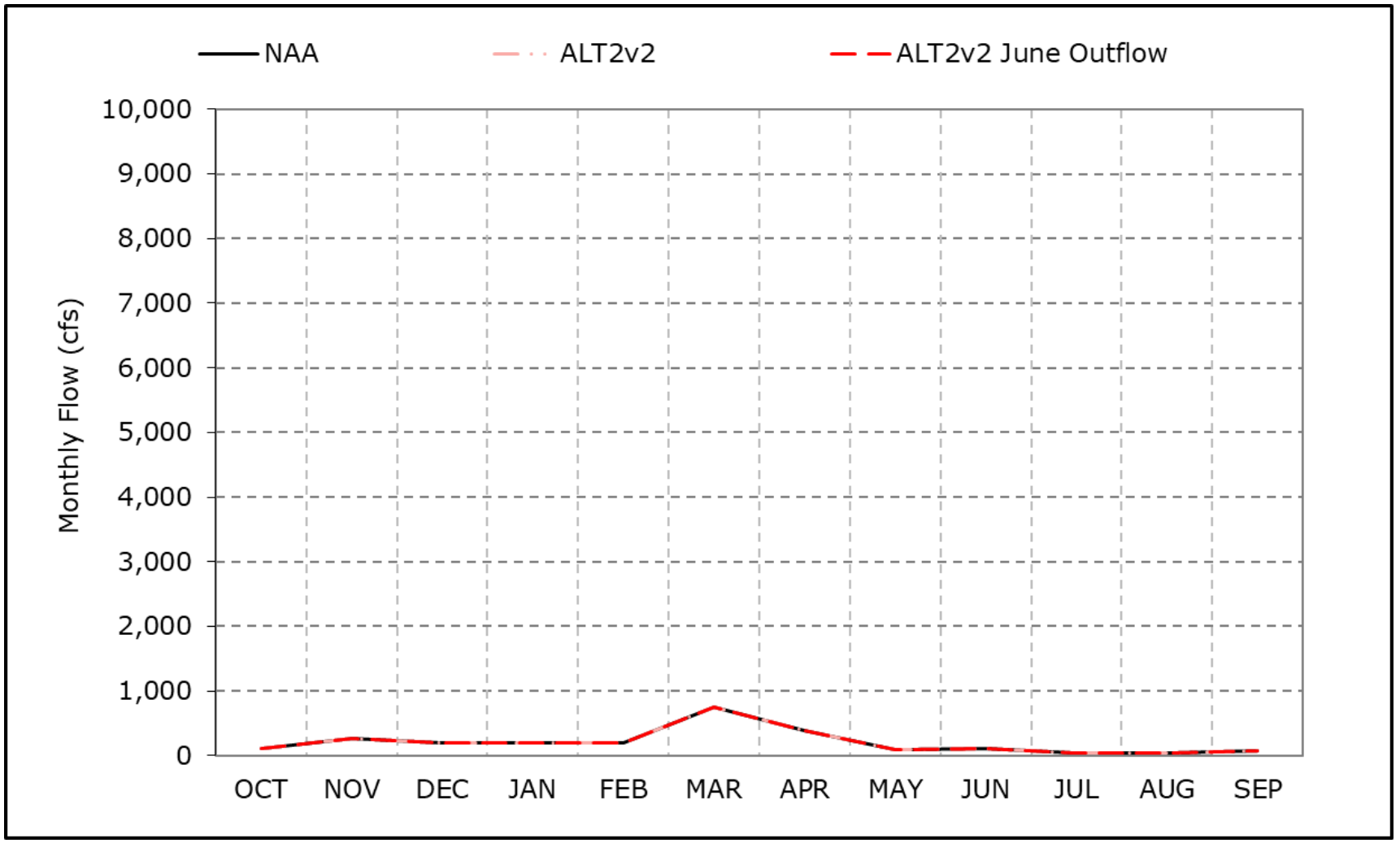
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-4. San Joaquin River Flow at Gravelly Ford, Below Normal Year Average Flow



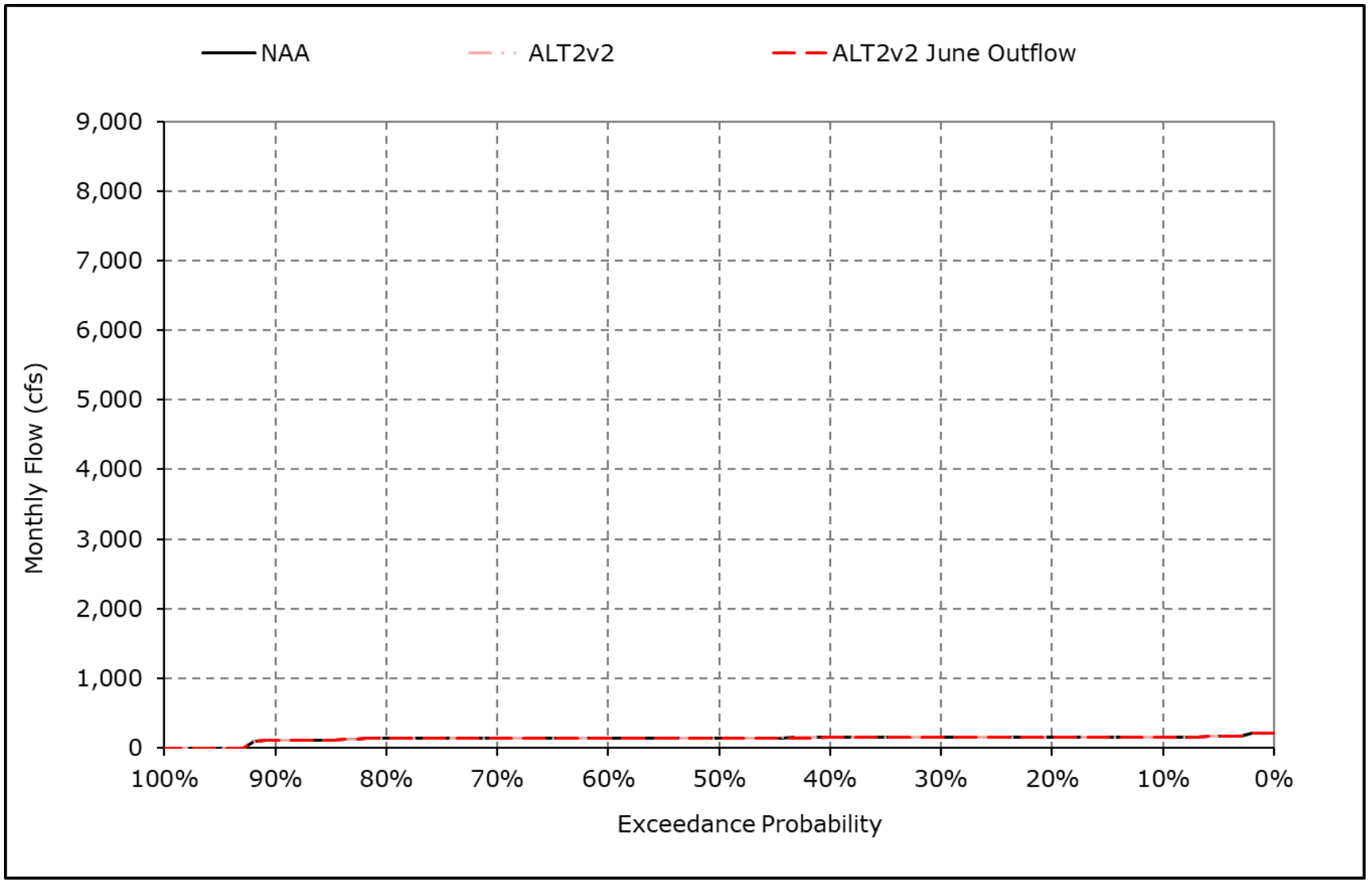
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-5. San Joaquin River Flow at Gravelly Ford, Dry Year Average Flow



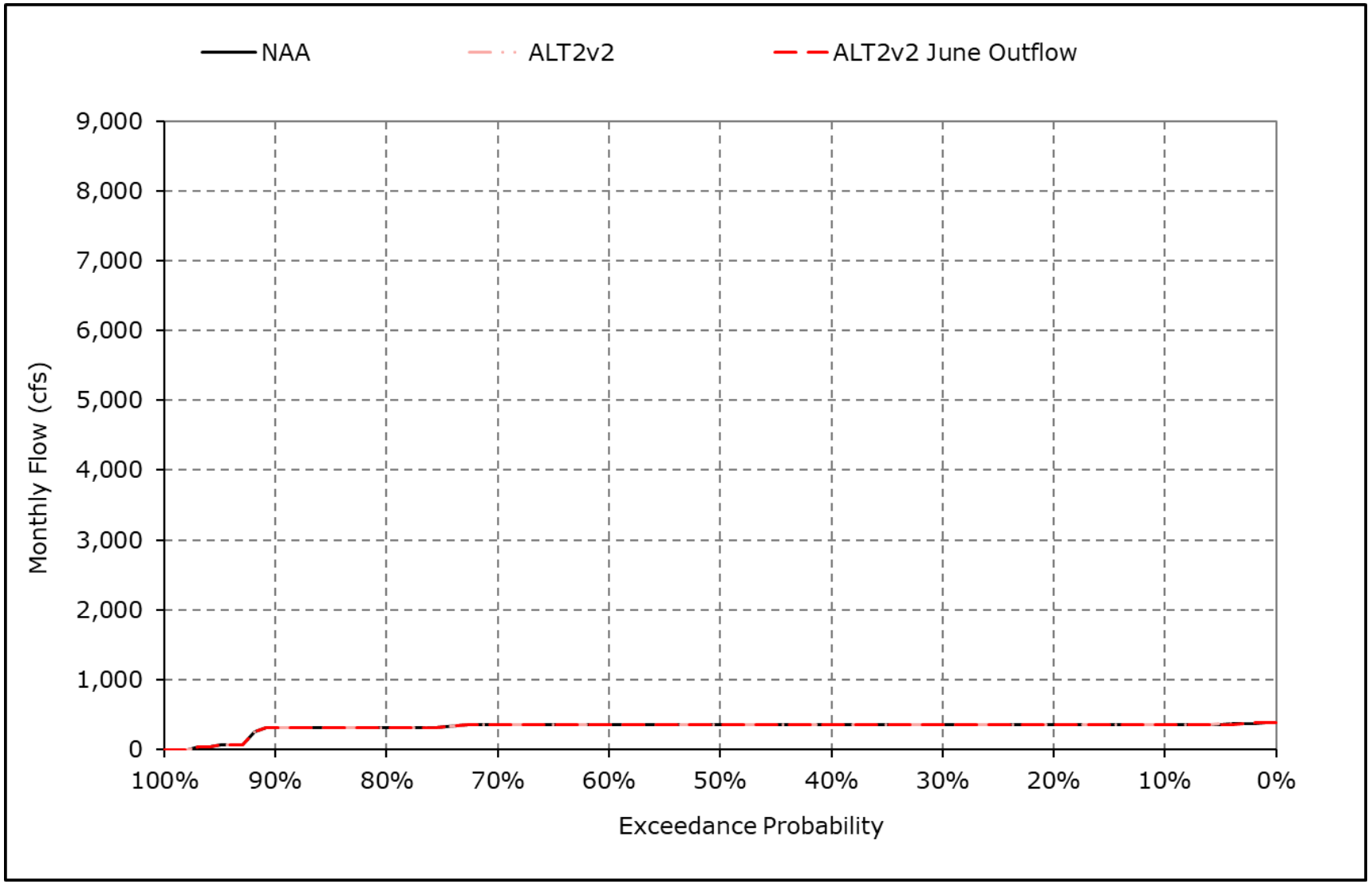
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-6. San Joaquin River Flow at Gravelly Ford, Critical Year Average Flow



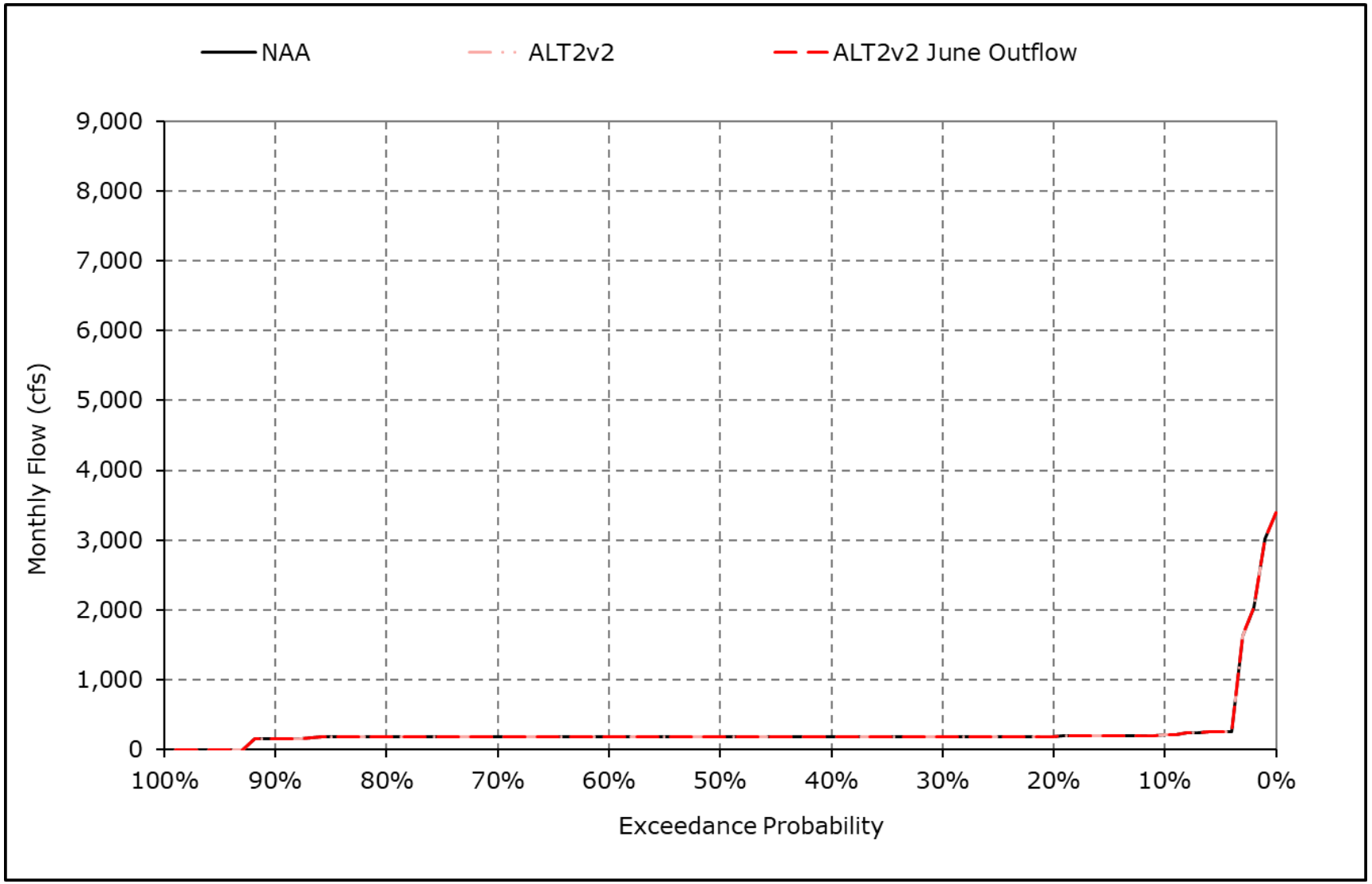
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-7. San Joaquin River Flow at Gravelly Ford, October



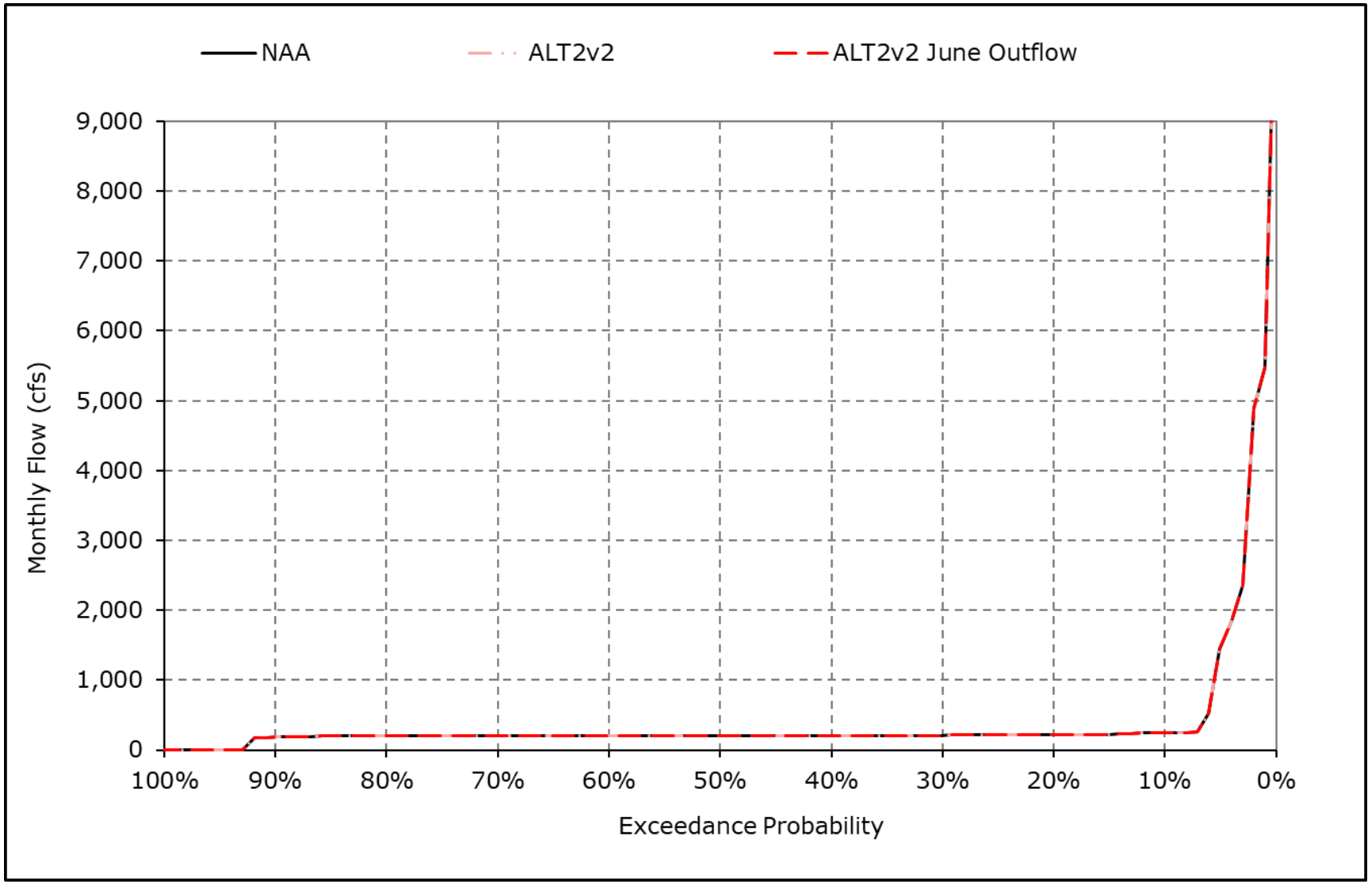
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-8. San Joaquin River Flow at Gravelly Ford, November



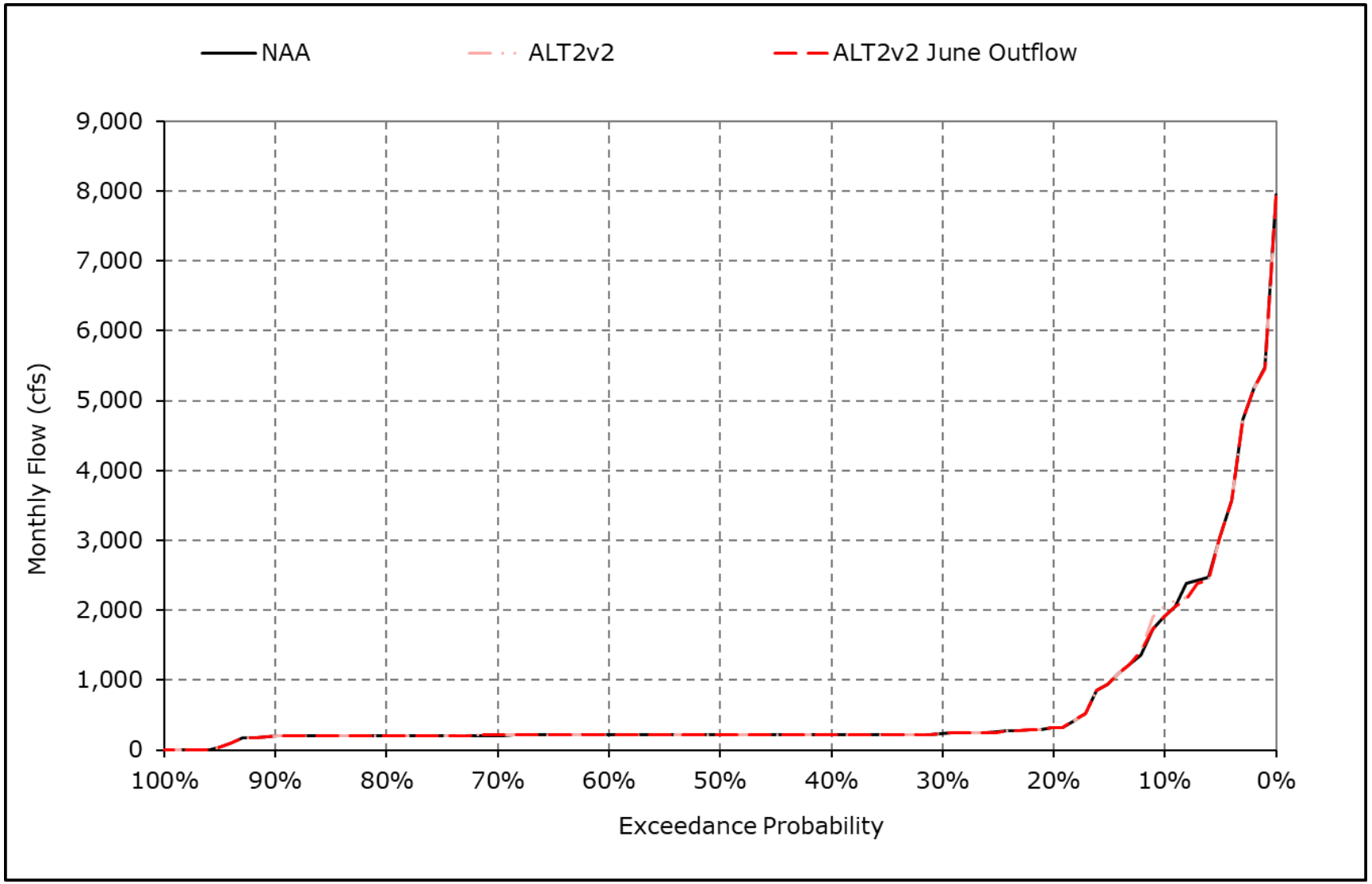
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-9. San Joaquin River Flow at Gravelly Ford, December



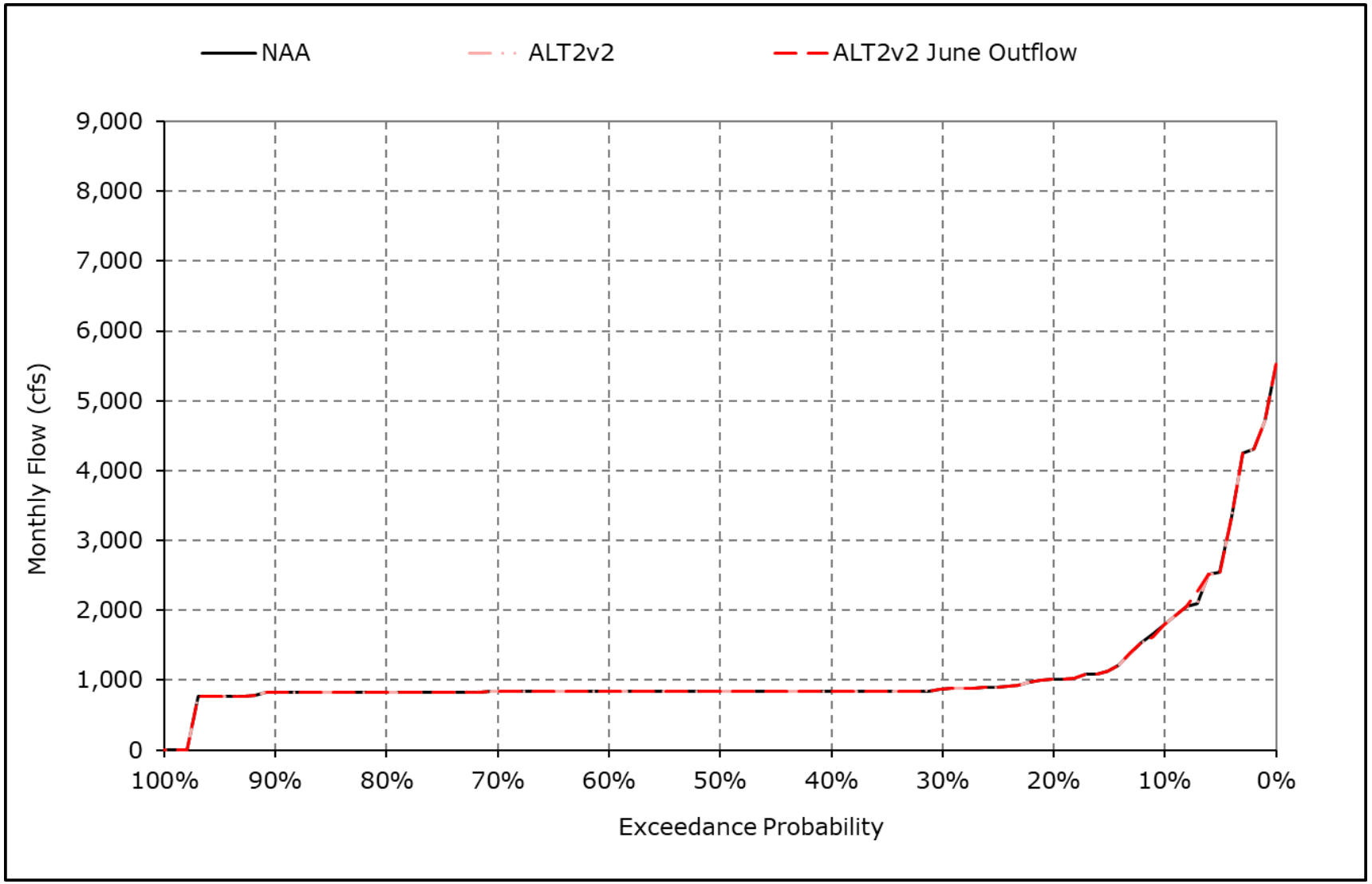
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-10. San Joaquin River Flow at Gravelly Ford, January



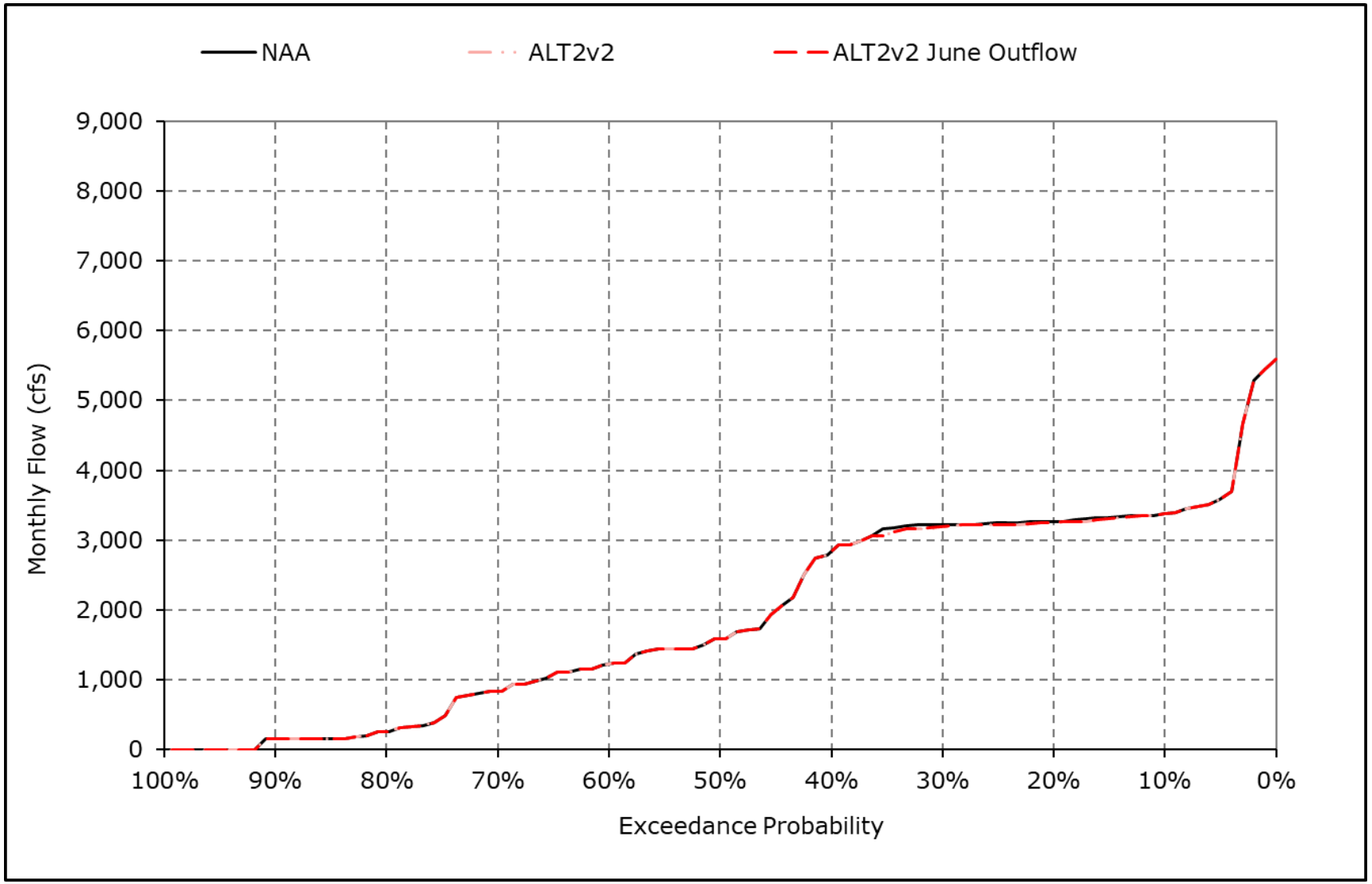
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-11. San Joaquin River Flow at Gravelly Ford, February



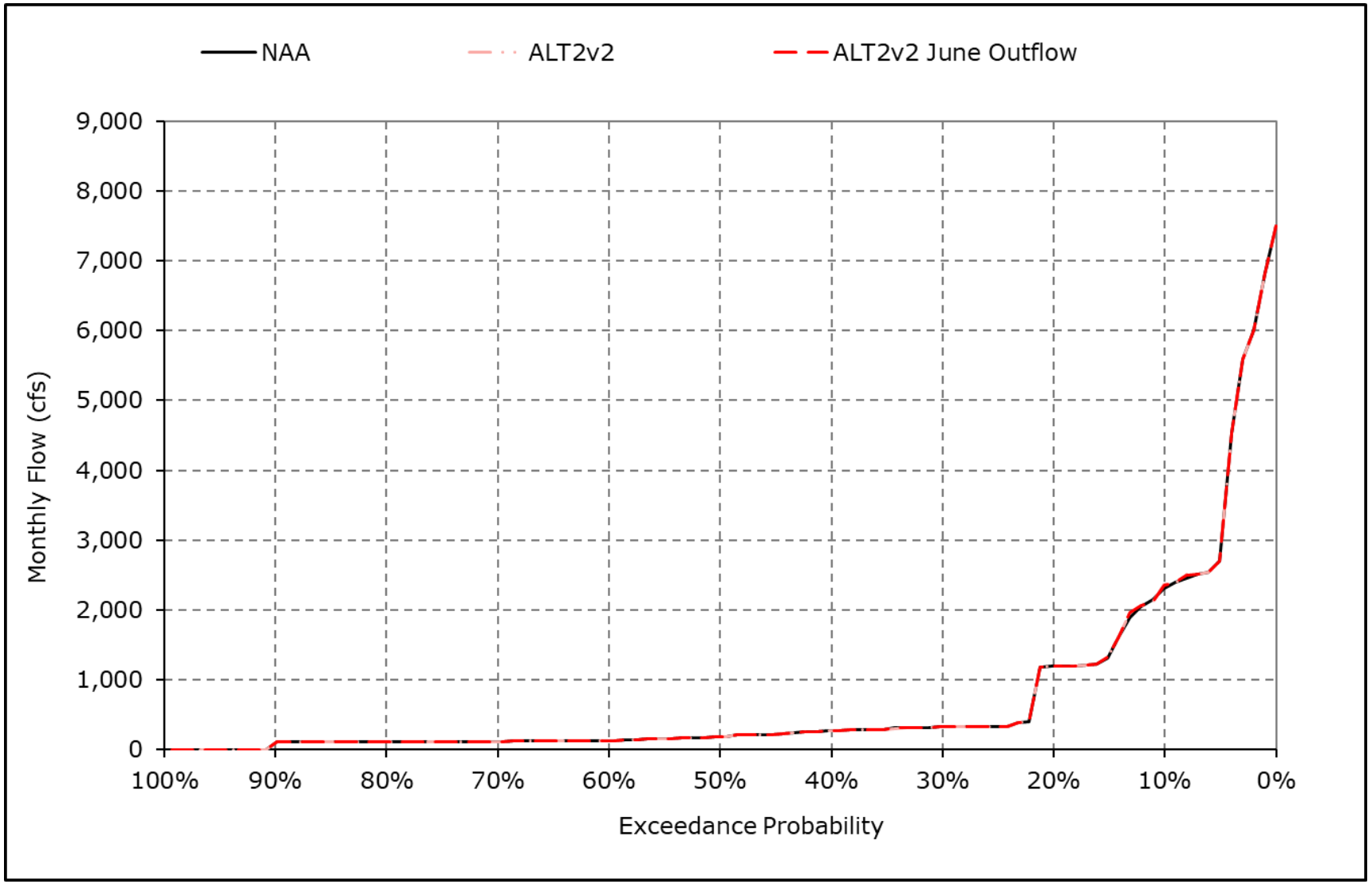
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-12. San Joaquin River Flow at Gravelly Ford, March



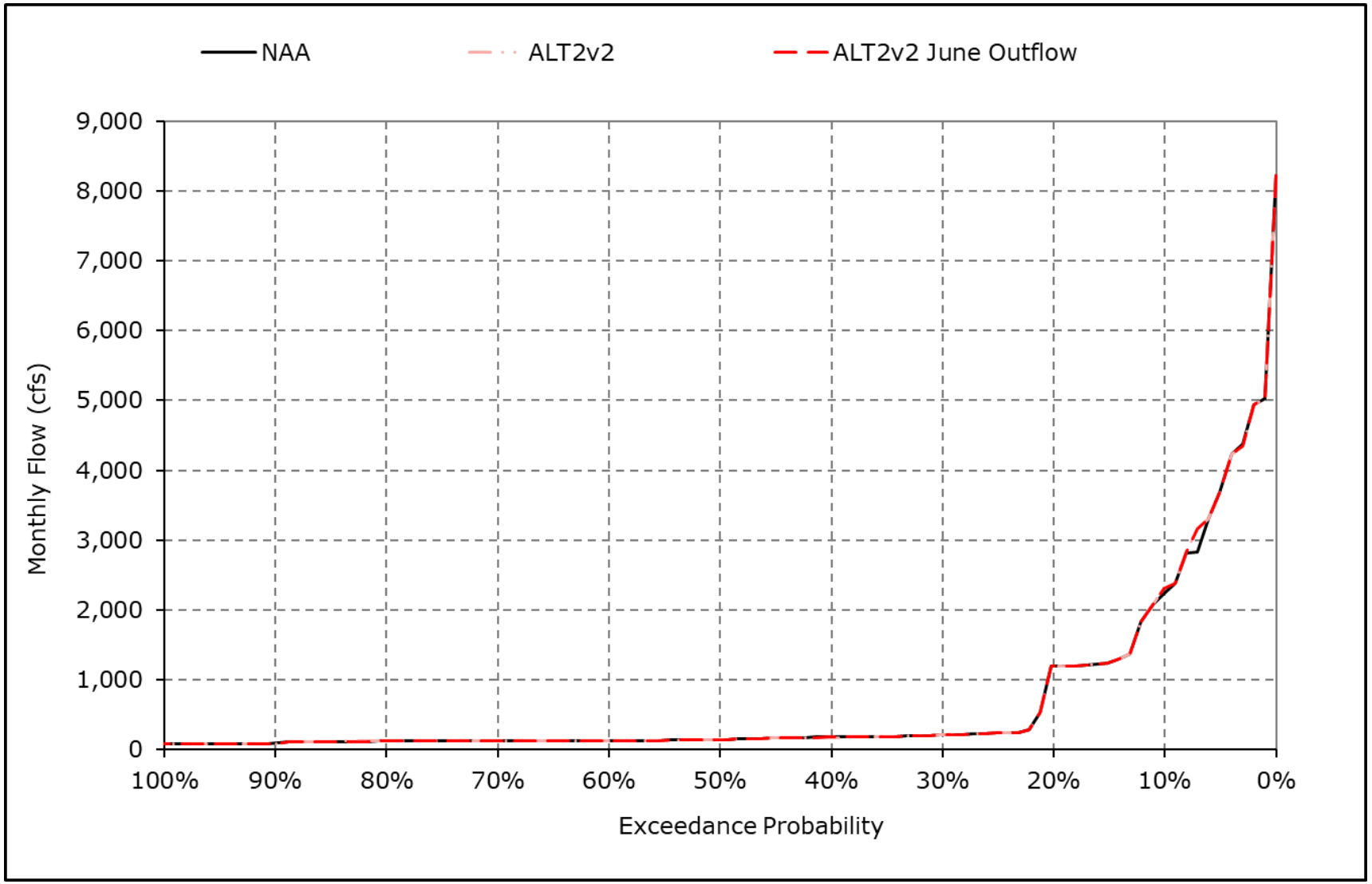
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-13. San Joaquin River Flow at Gravelly Ford, April



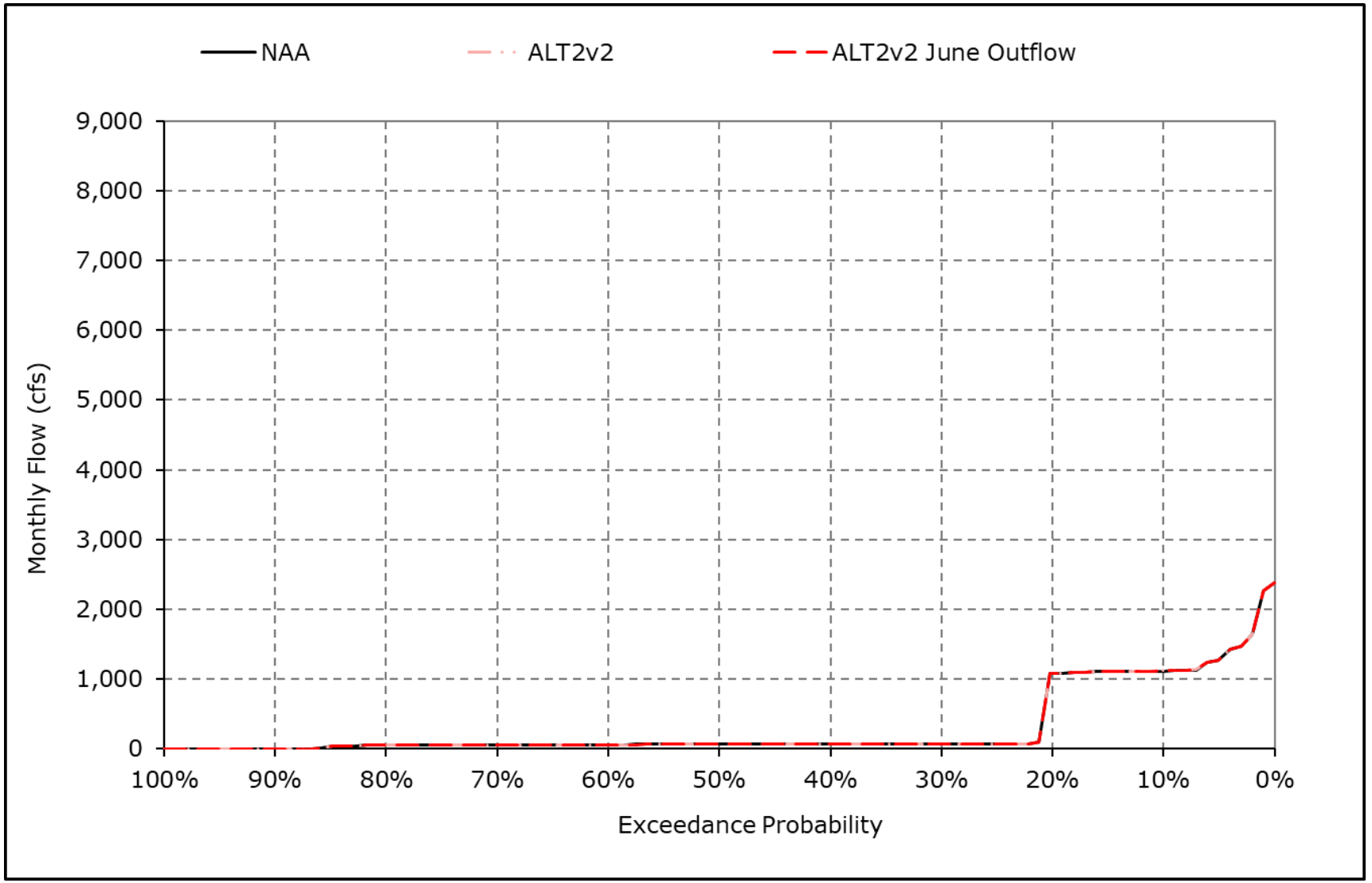
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-14. San Joaquin River Flow at Gravelly Ford, May



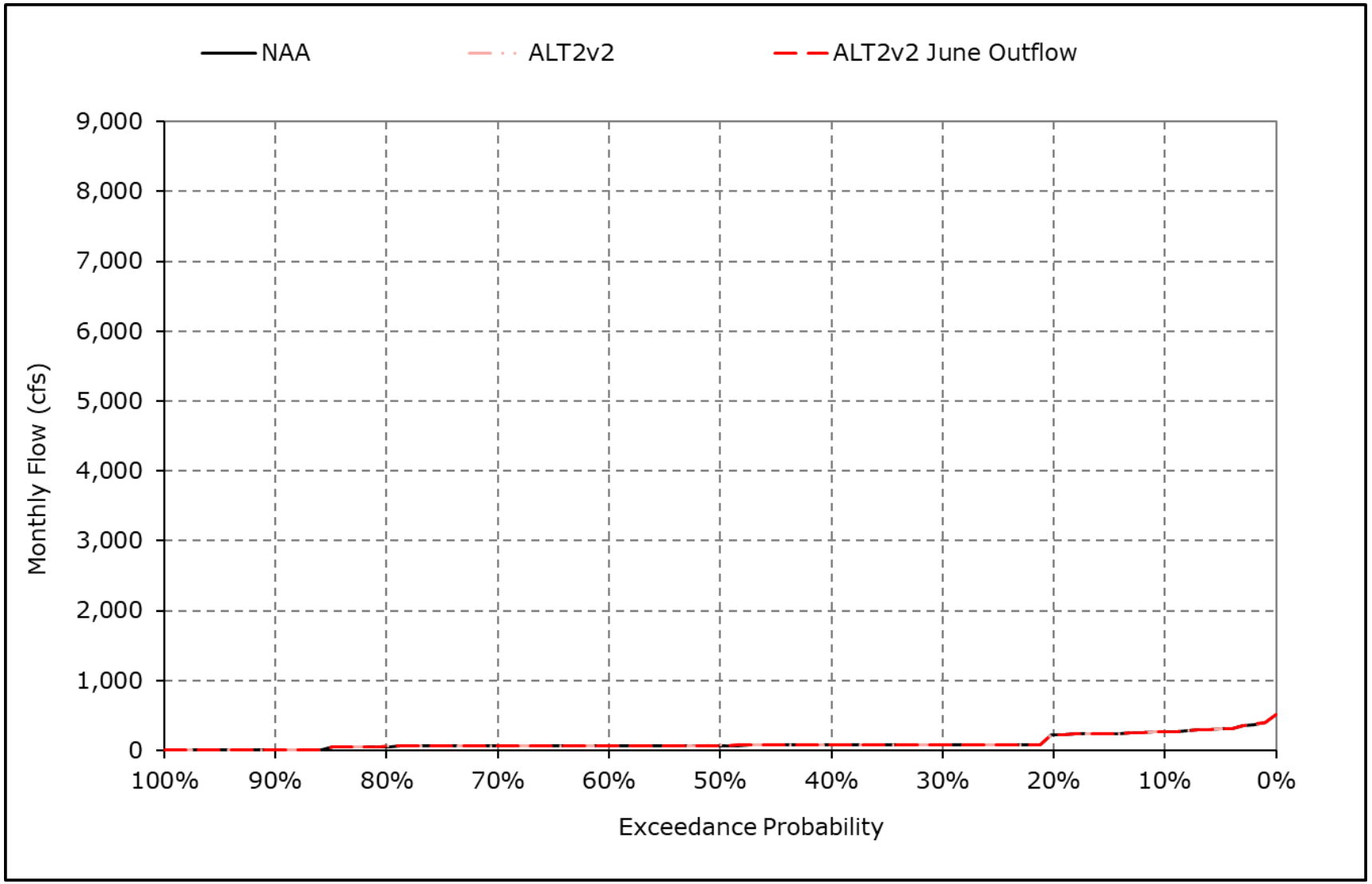
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-16-15. San Joaquin River Flow at Gravelly Ford, June



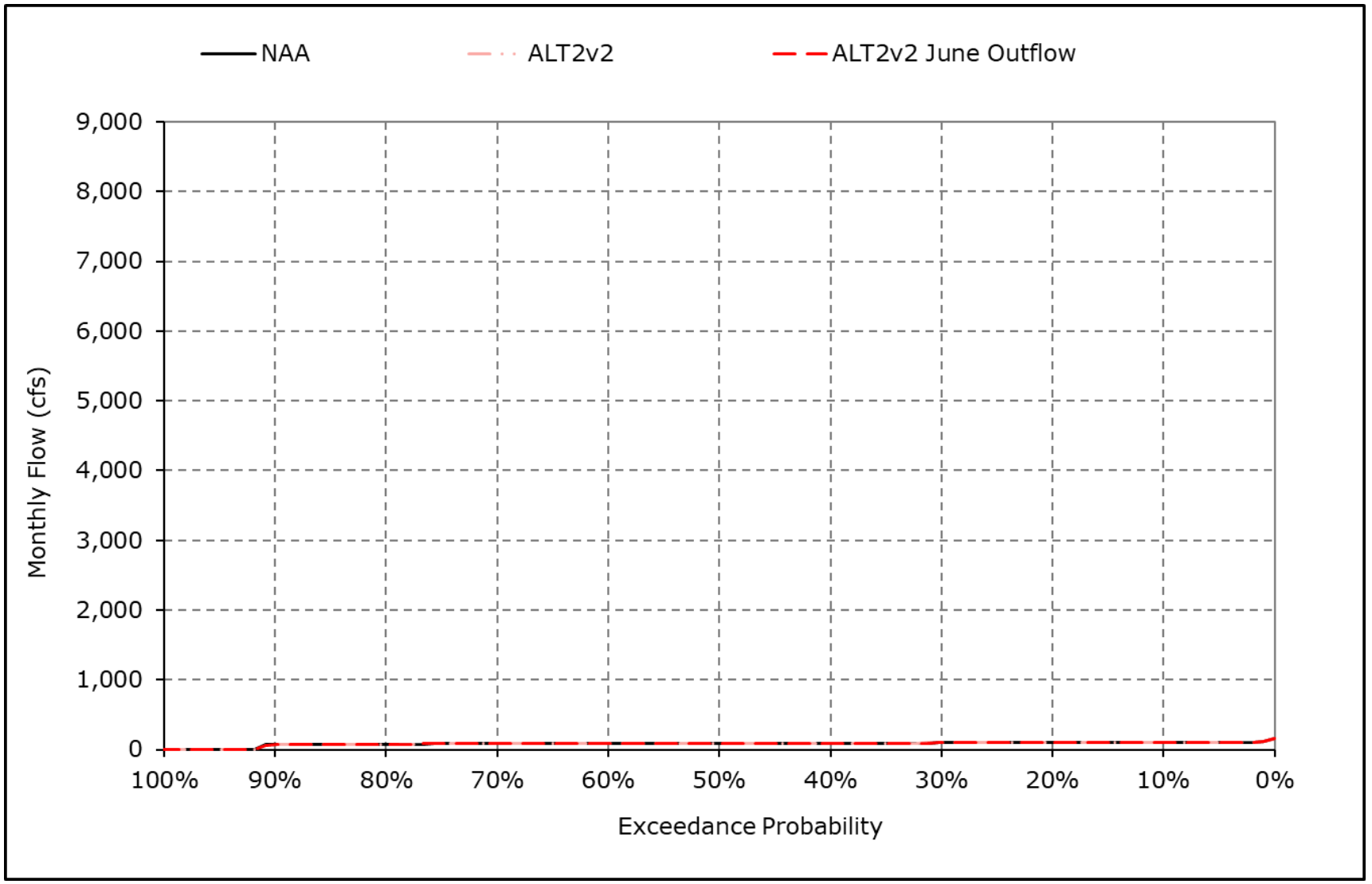
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-17-1c. San Joaquin River Flow below Sack Dam, ALT2v2 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.2.2-17-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

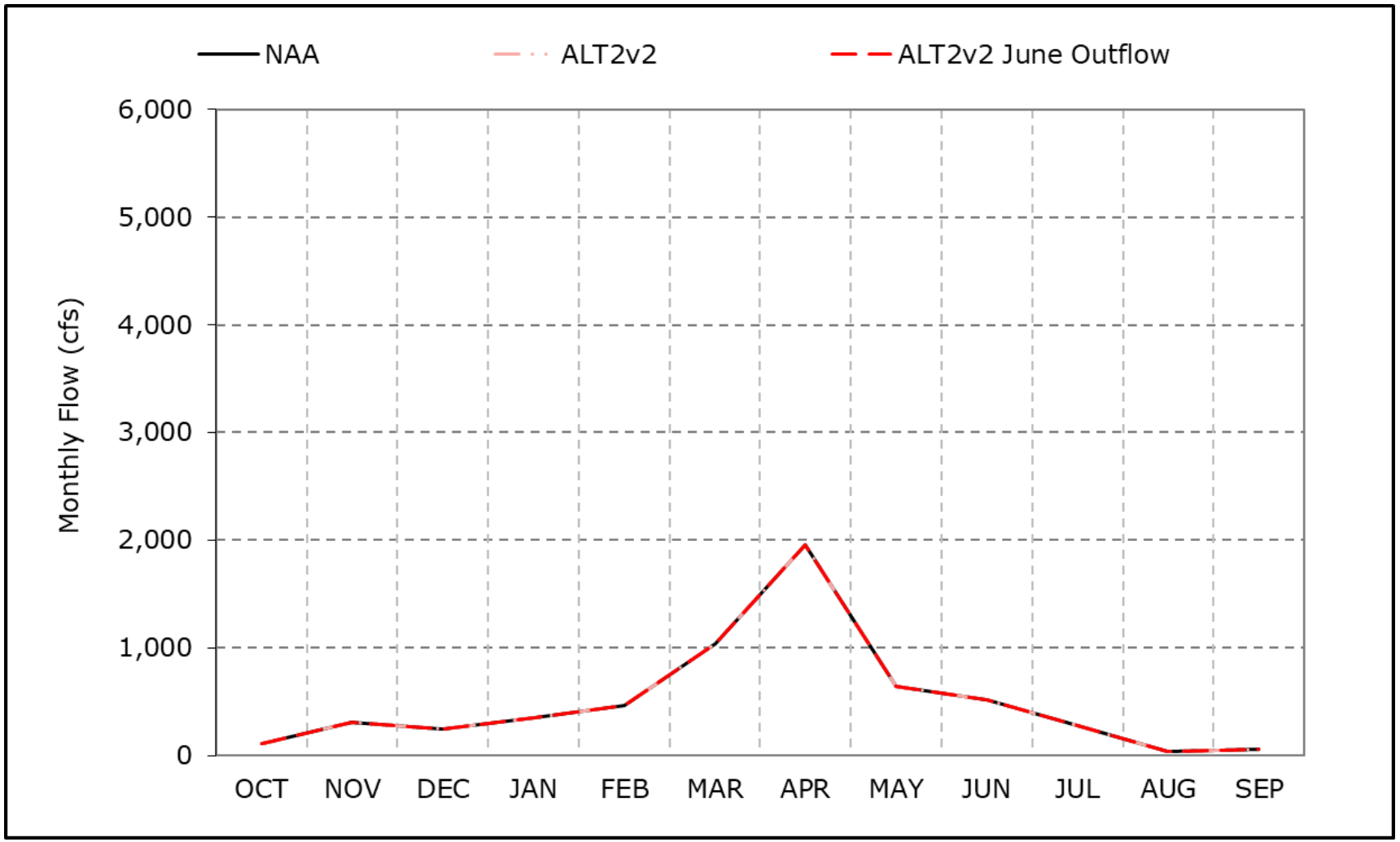
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,255	1,523	4,371	2,172	1,819	1,057	45	65
20% Exceedance	115	313	155	175	175	873	3,099	1,131	1,131	1,057	45	65
30% Exceedance	115	313	155	175	175	768	2,967	85	85	45	45	65
40% Exceedance	115	313	155	175	175	768	2,716	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	1,042	1,958	646	519	279	38	59
Wet Water Years (22%)	129	417	497	873	1,418	1,960	4,305	2,615	2,100	1,139	45	65
Above Normal Water Years (12%)	115	313	295	355	397	1,013	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	203	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.2.2-17-2c. San Joaquin River Flow below Sack Dam, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

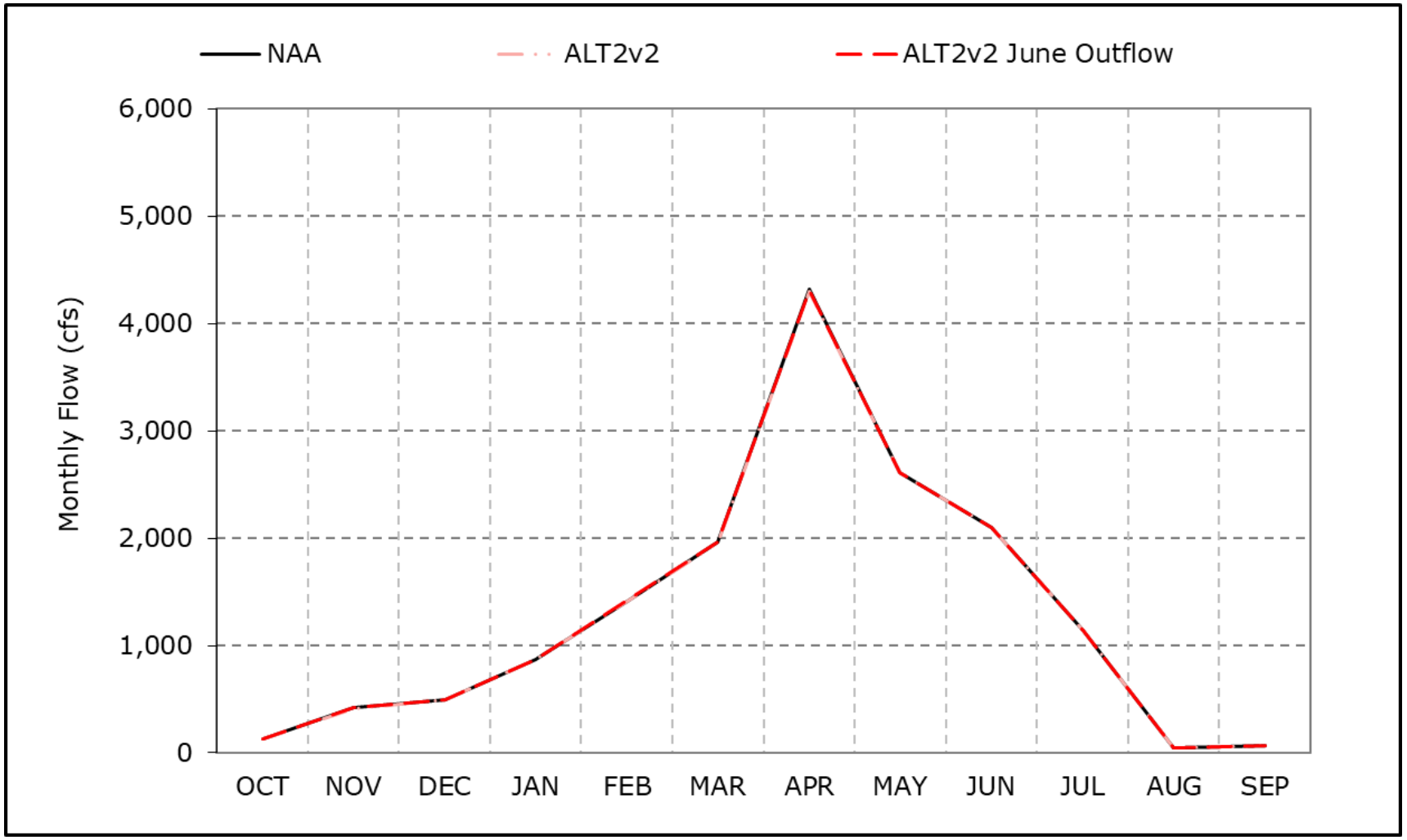
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	20	18	-73	11	2	0	0	0
20% Exceedance	0	0	0	0	0	4	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% 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	5	1	-3	1	1	0	0	0
Wet Water Years (22%)	0	0	0	1	7	-3	-13	2	5	0	0	0
Above Normal Water Years (12%)	0	0	1	1	21	15	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.



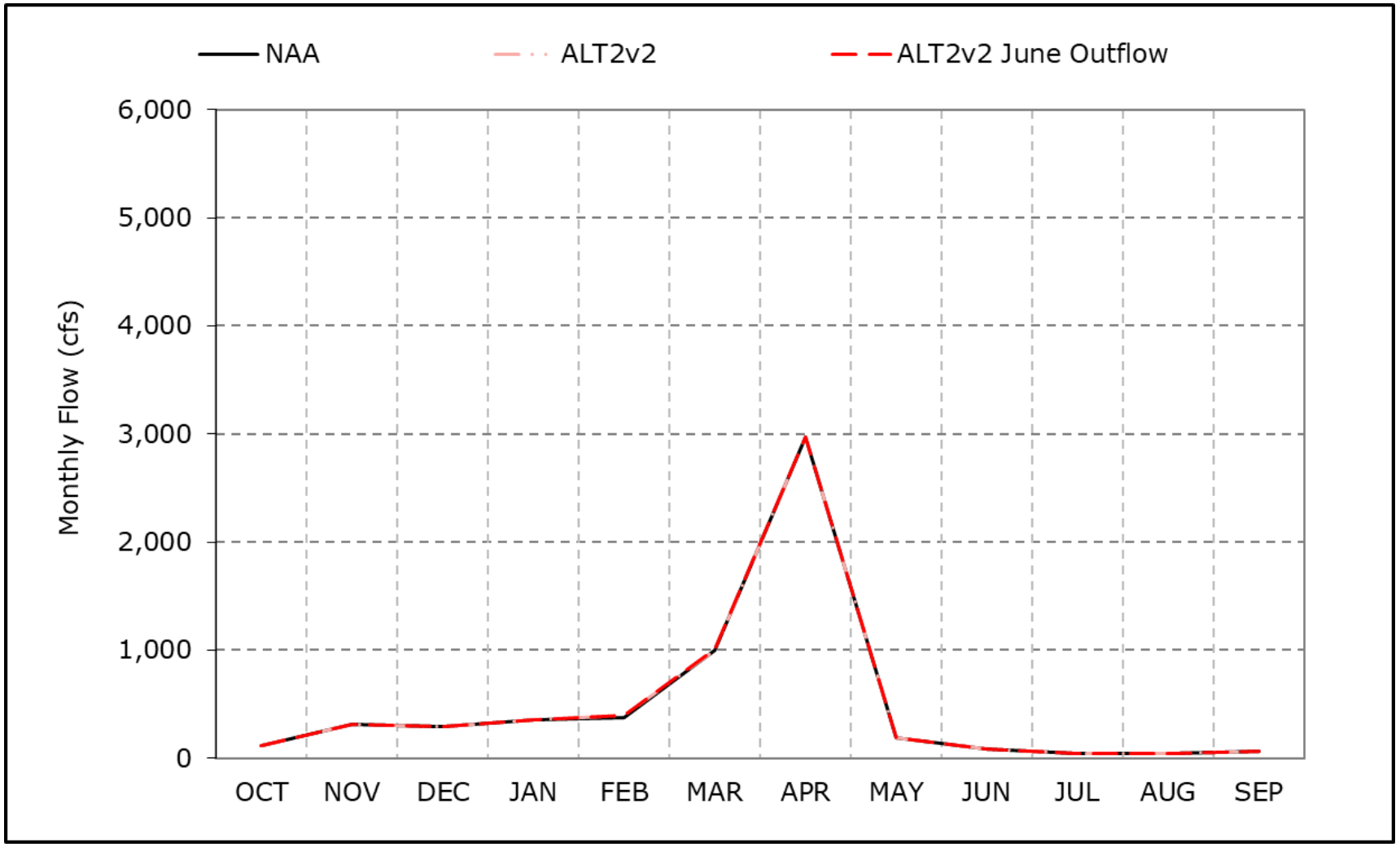
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-1. San Joaquin River Flow below Sack Dam, Long-Term Average Flow



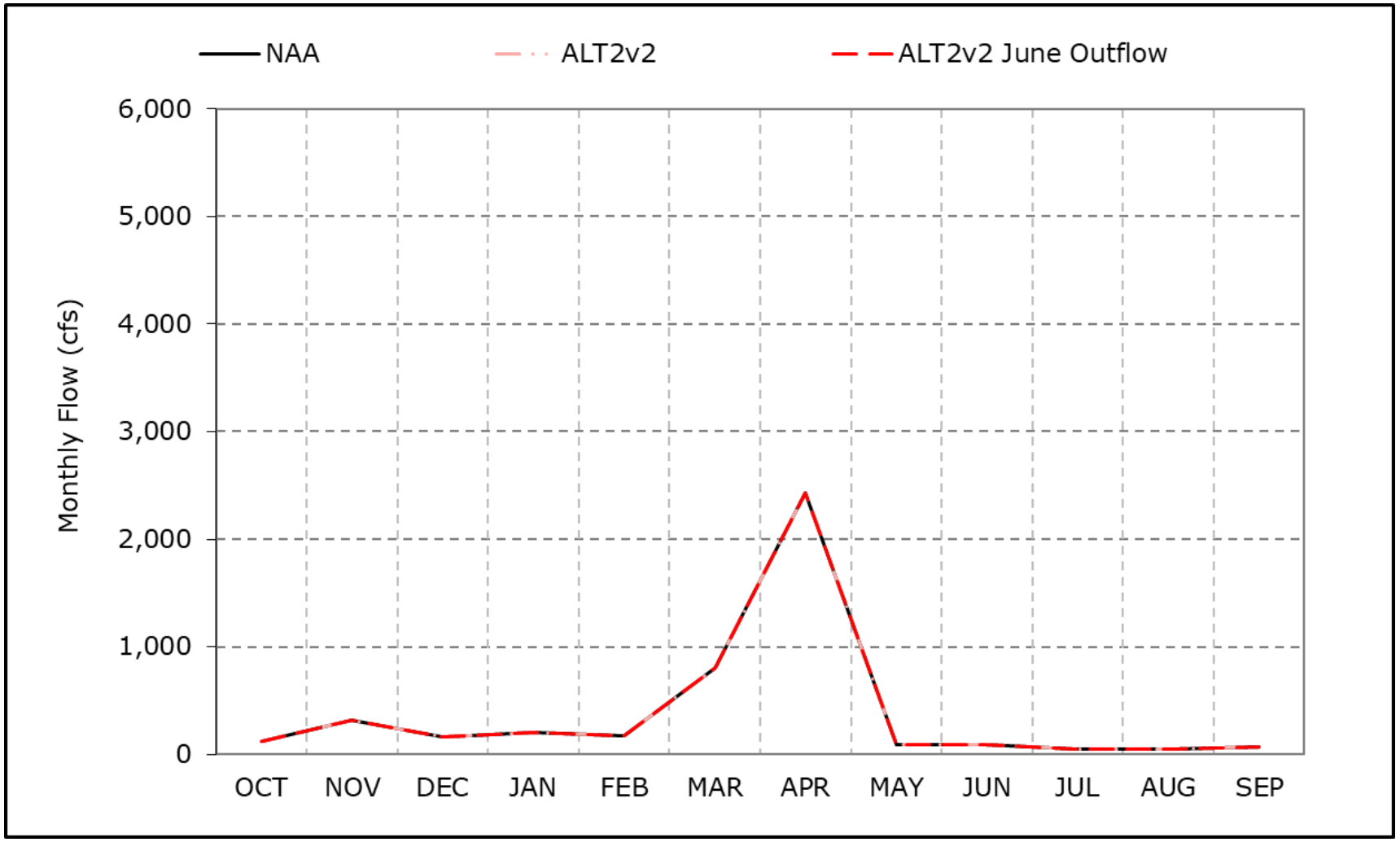
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-2. San Joaquin River Flow below Sack Dam, Wet Year Average Flow



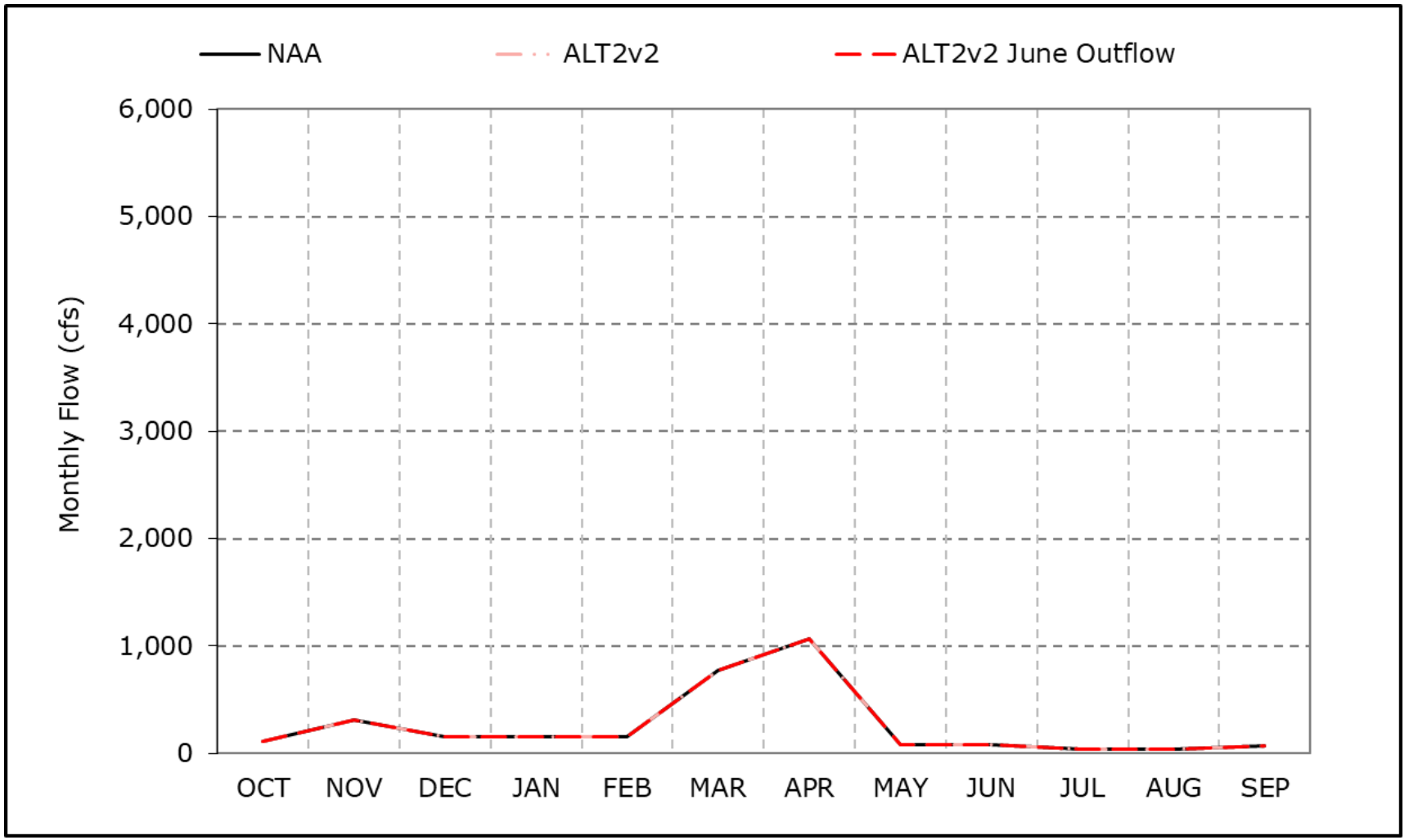
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-3. San Joaquin River Flow below Sack Dam, Above Normal Year Average Flow



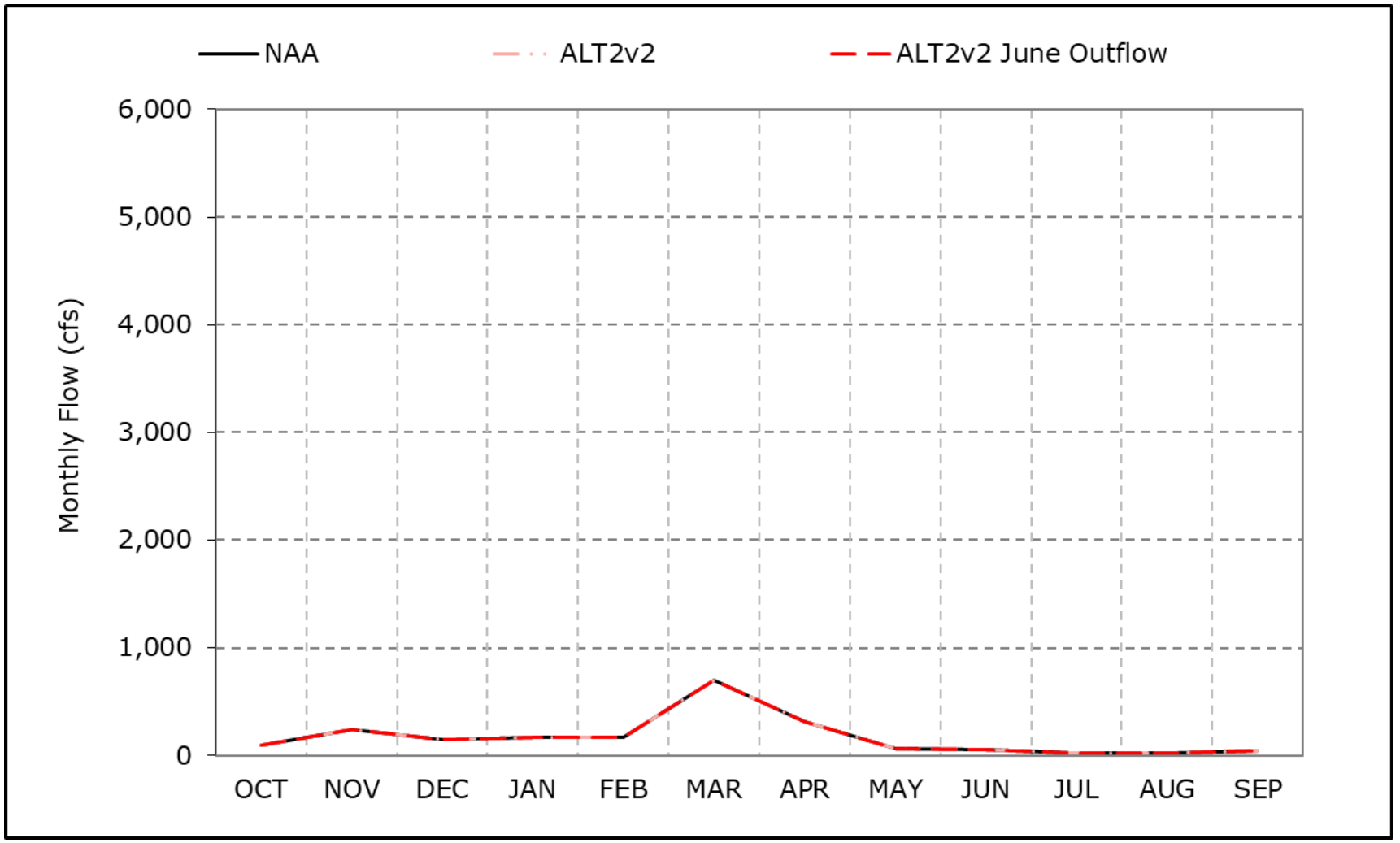
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-4. San Joaquin River Flow below Sack Dam, Below Normal Year Average Flow



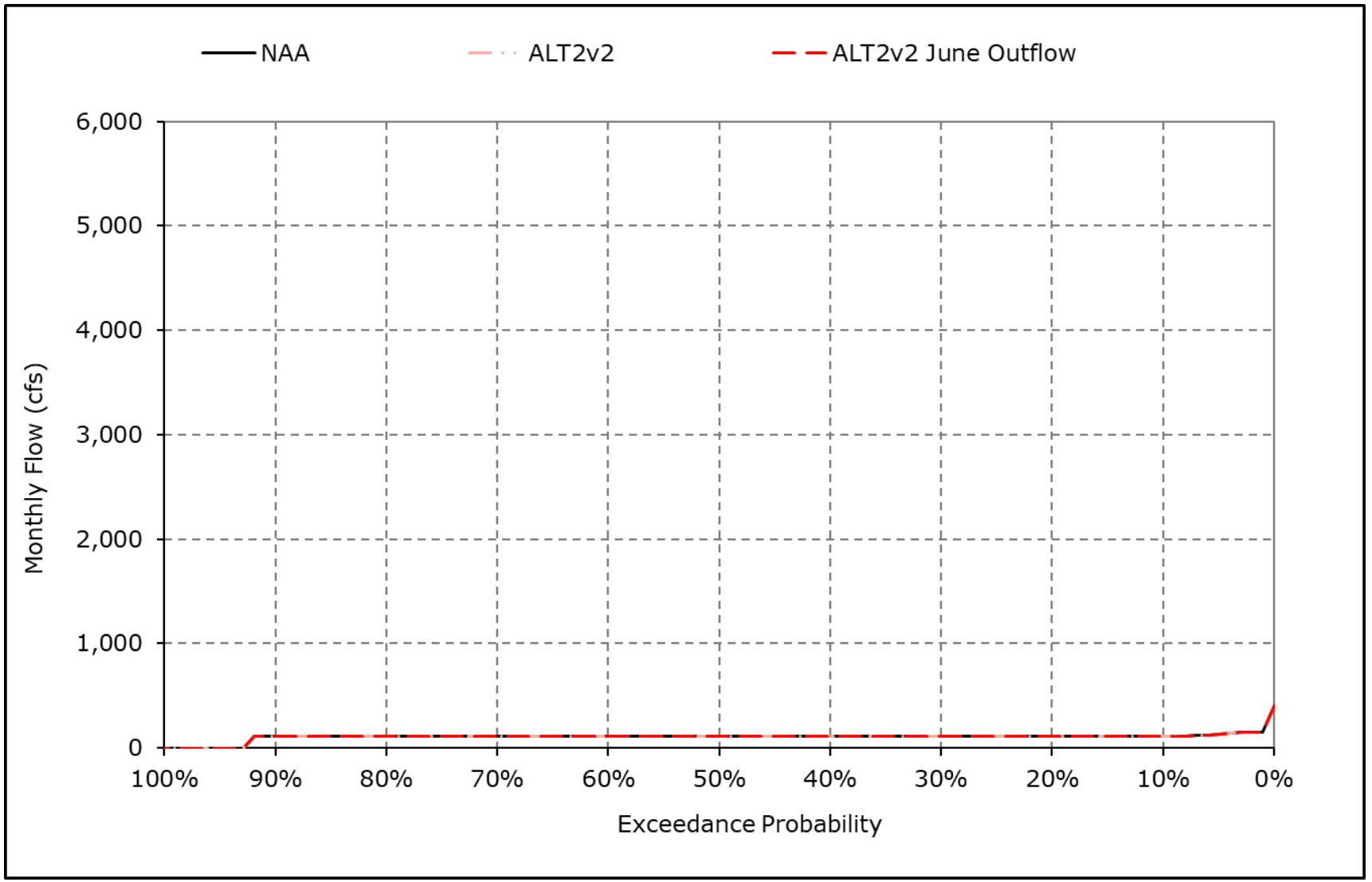
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-5. San Joaquin River Flow below Sack Dam, Dry Year Average Flow



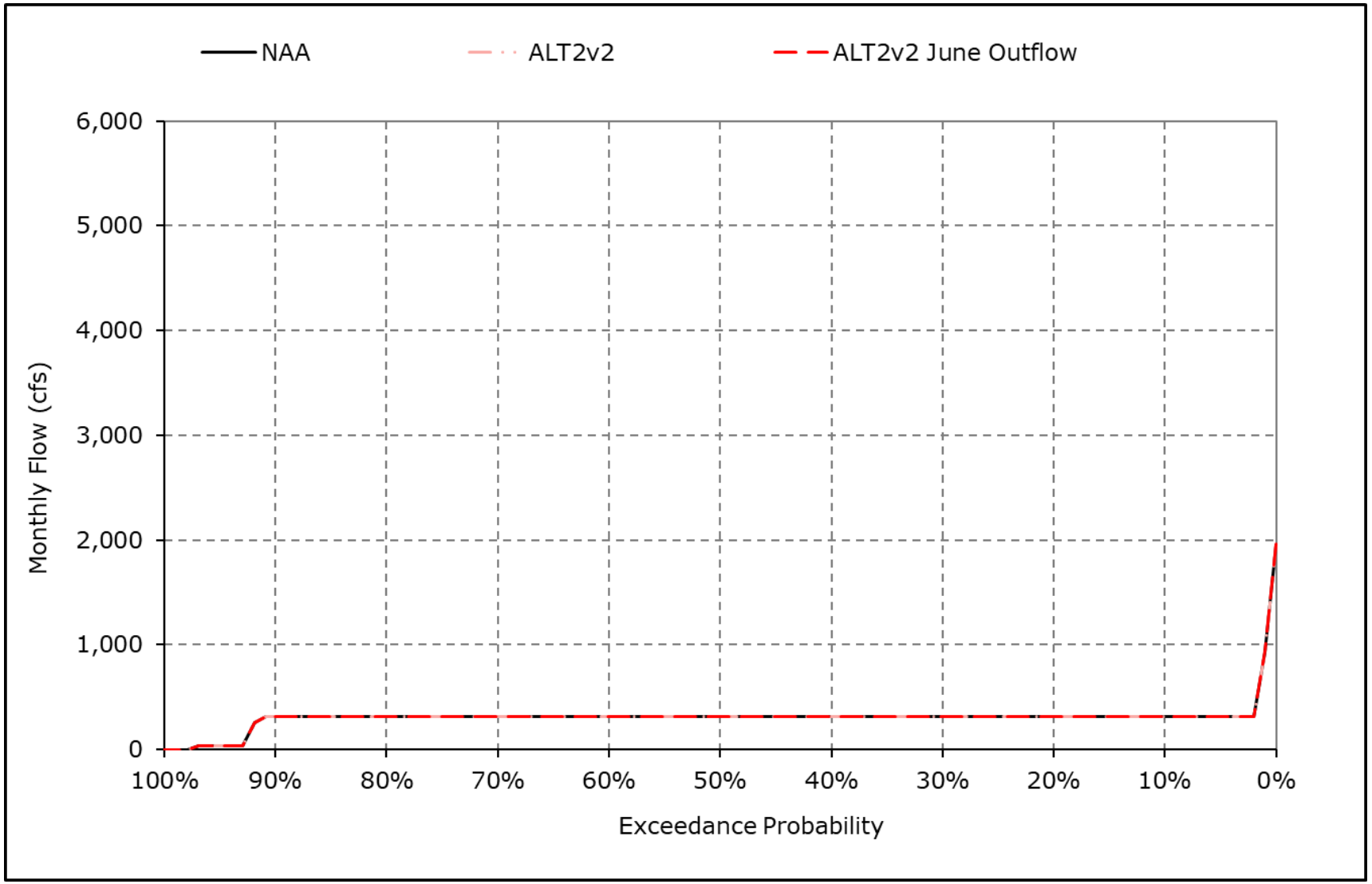
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-6. San Joaquin River Flow below Sack Dam, Critical Year Average Flow



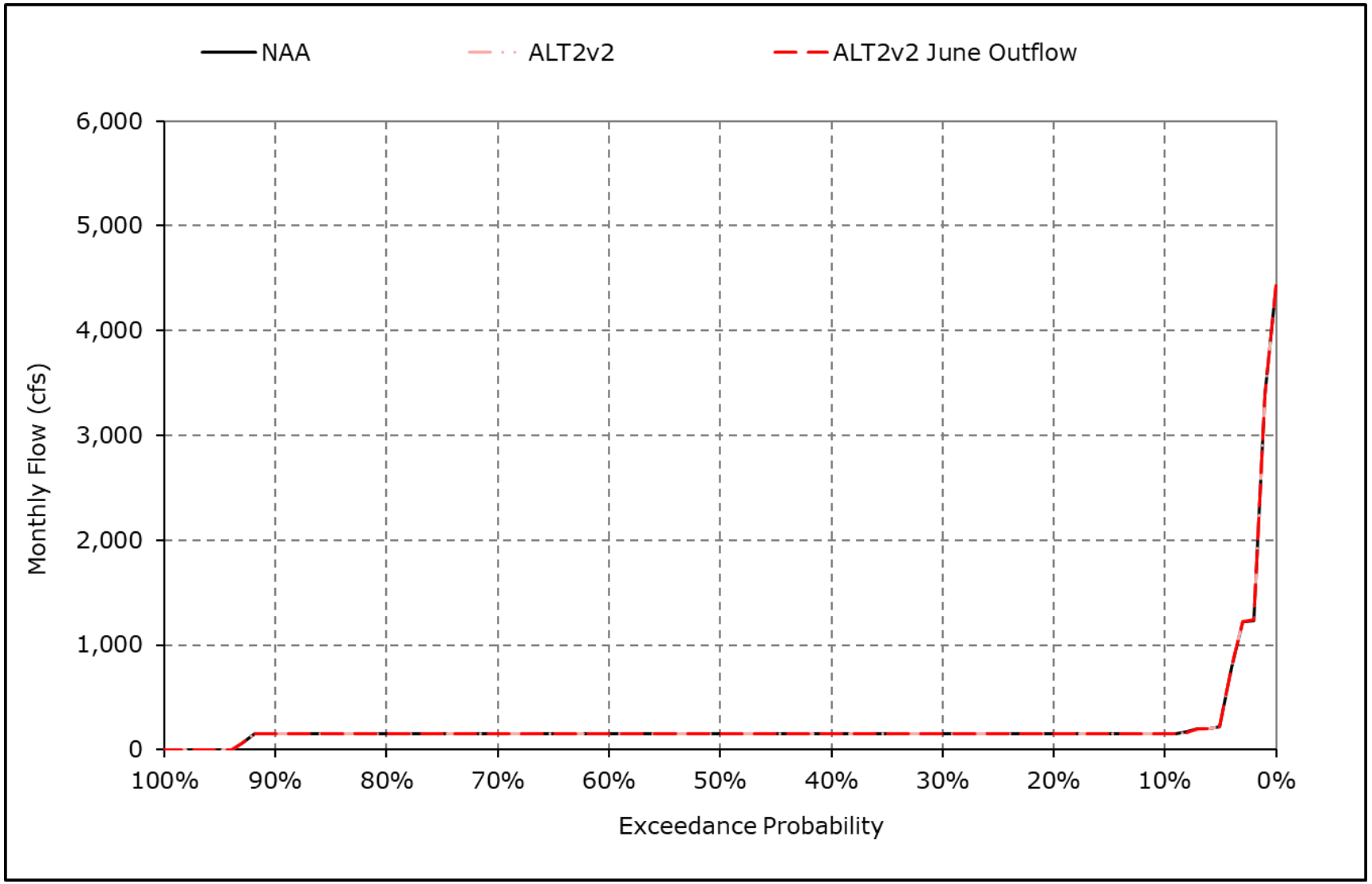
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-7. San Joaquin River Flow below Sack Dam, October



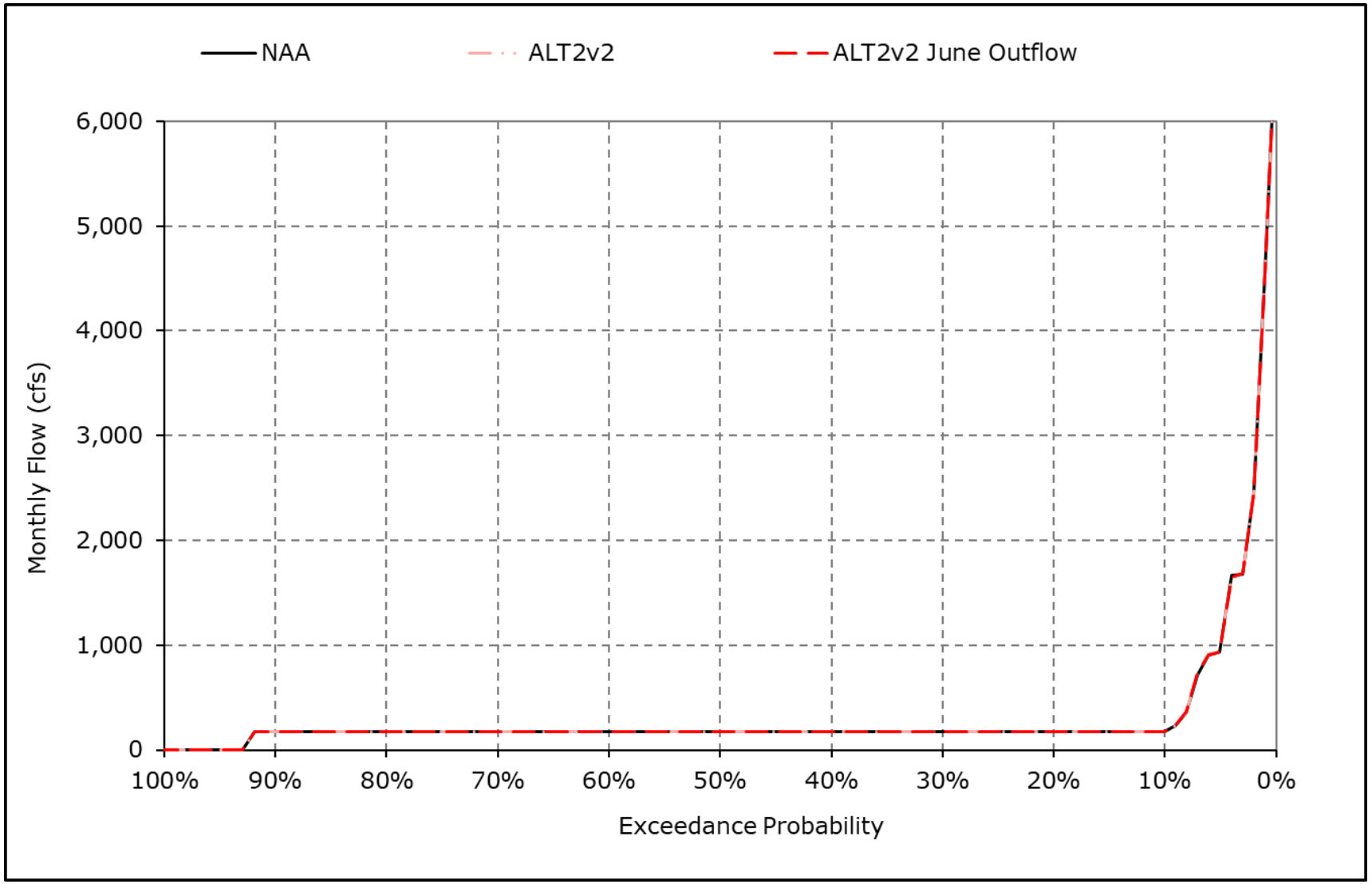
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-8. San Joaquin River Flow below Sack Dam, November



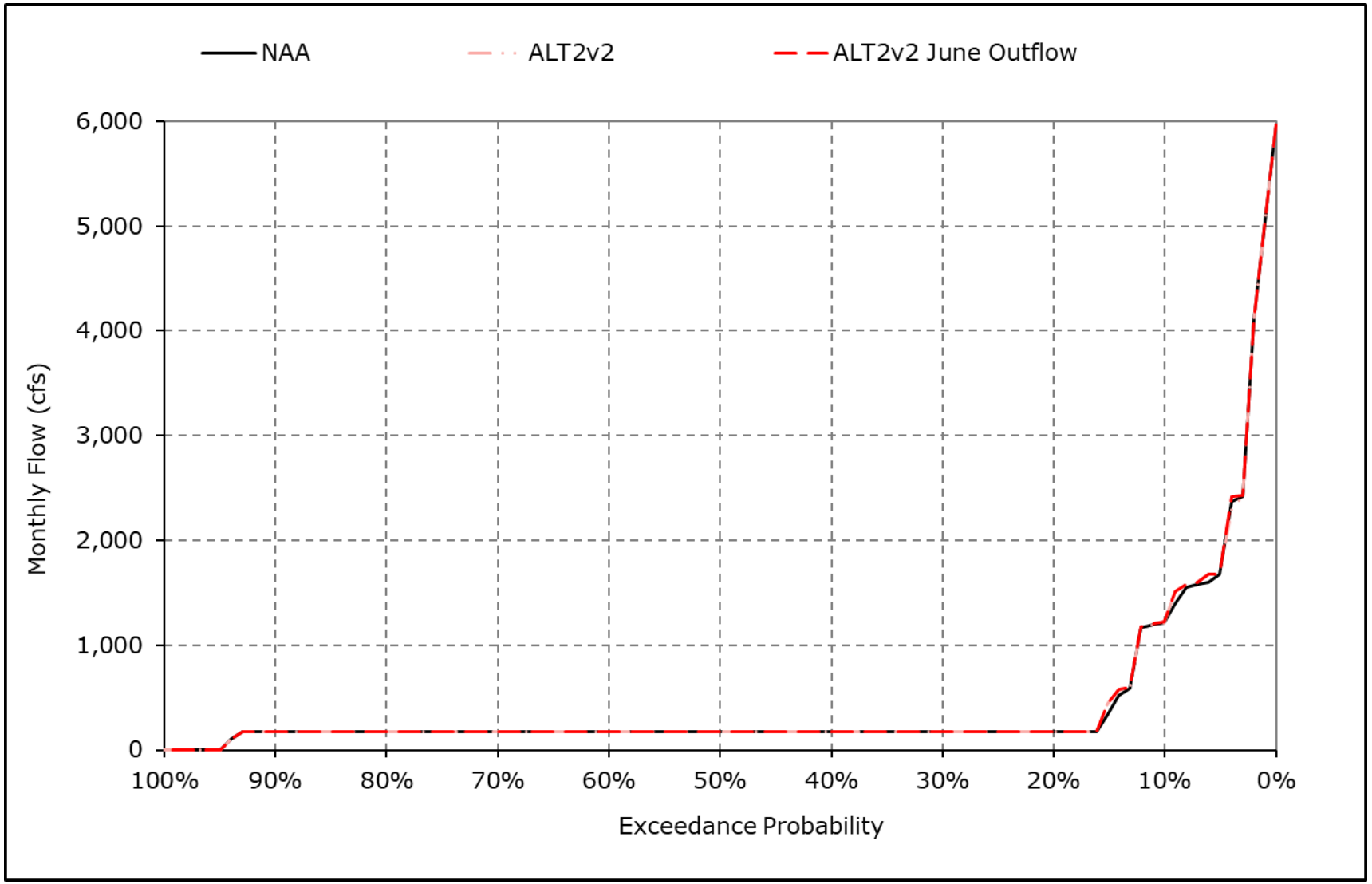
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-9. San Joaquin River Flow below Sack Dam, December



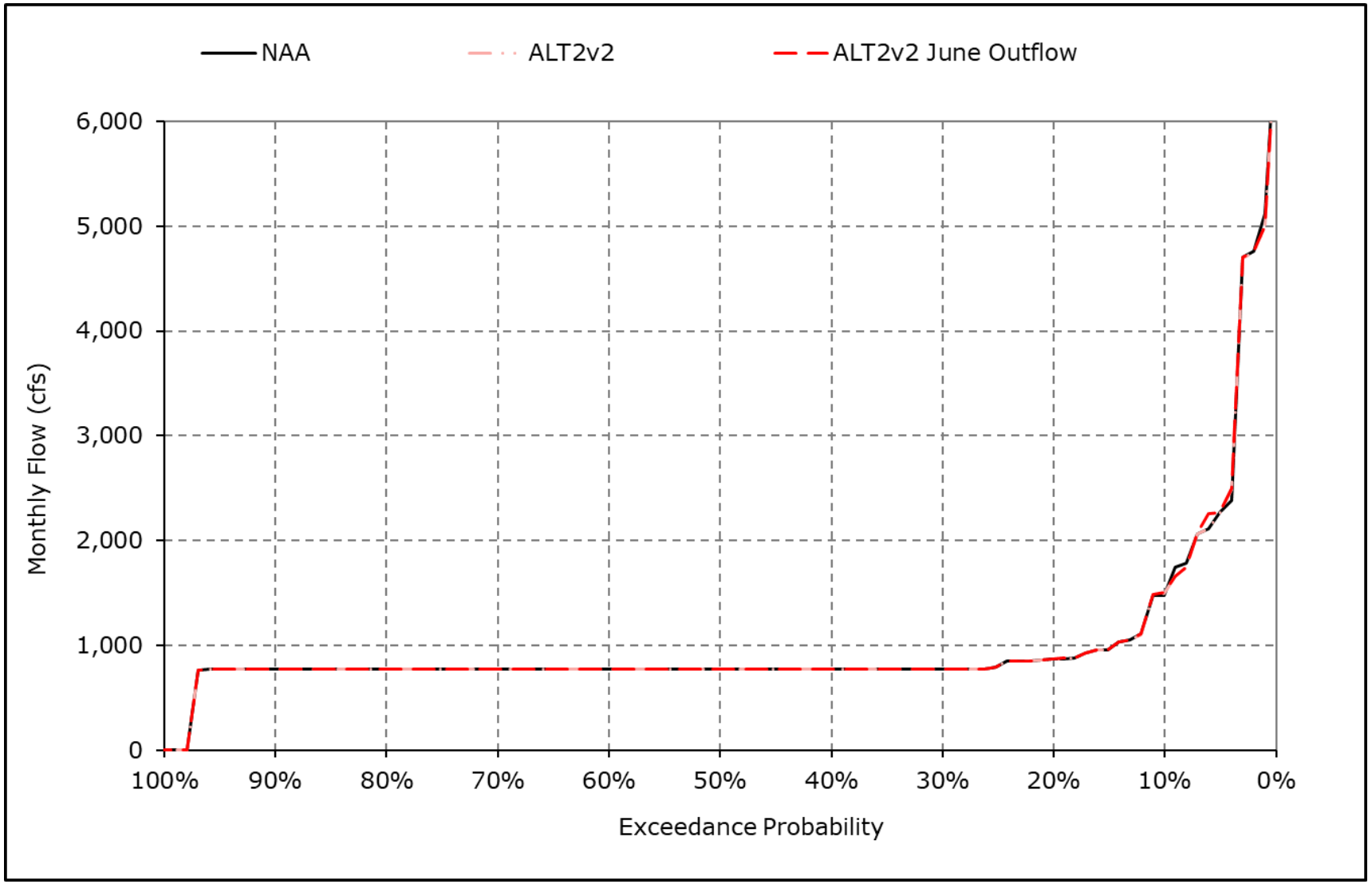
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-10. San Joaquin River Flow below Sack Dam, January



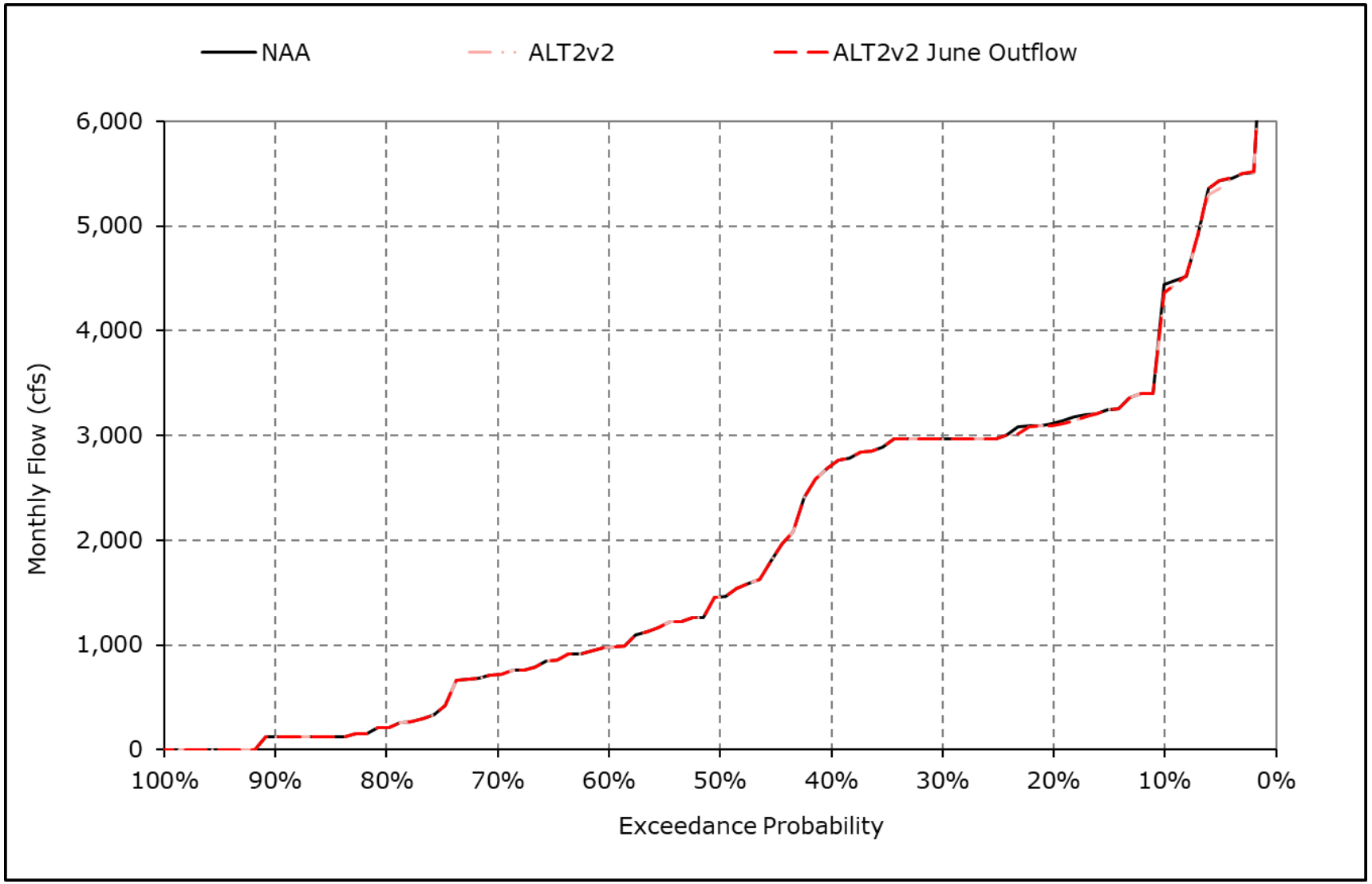
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-11. San Joaquin River Flow below Sack Dam, February



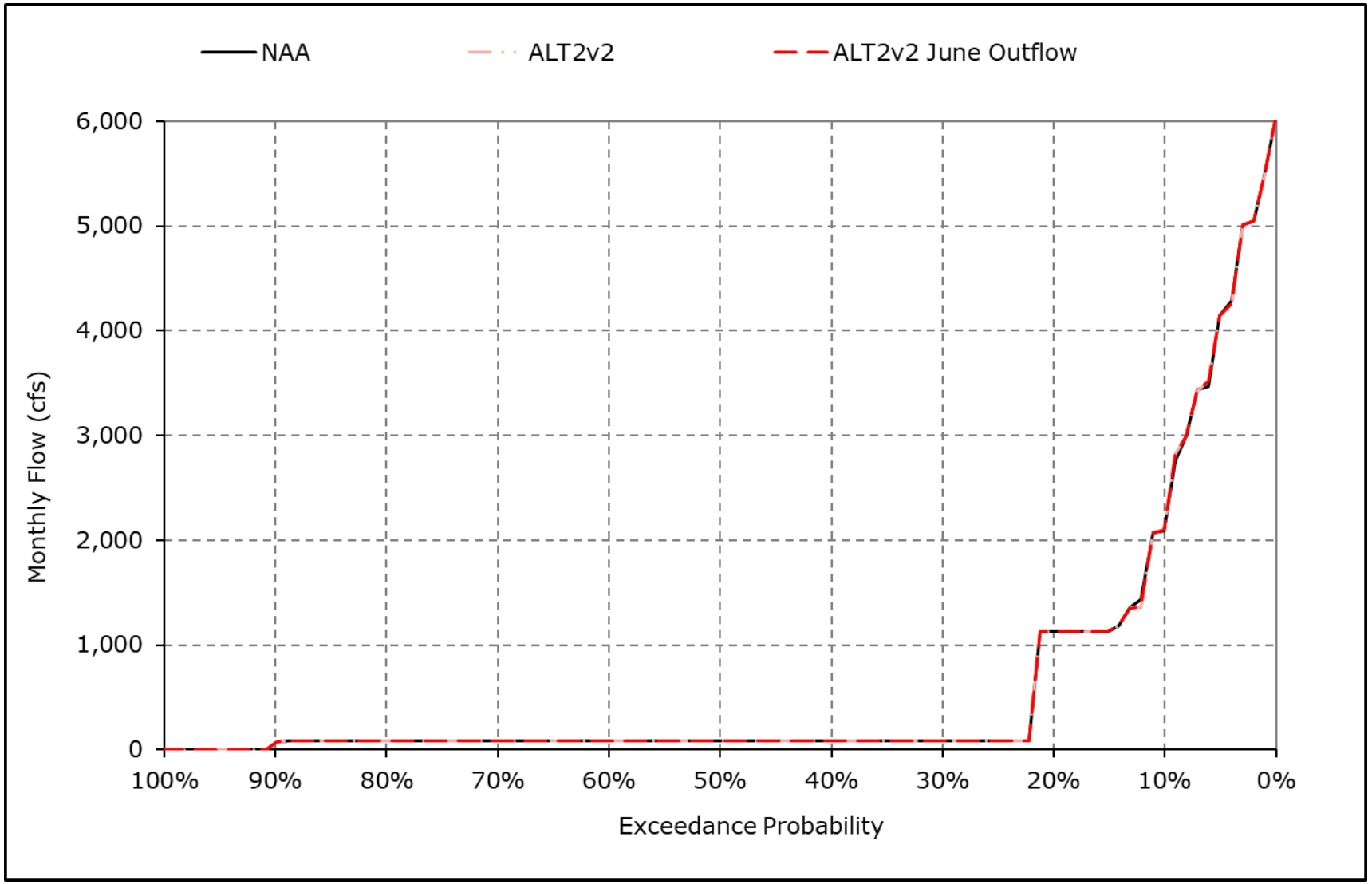
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-12. San Joaquin River Flow below Sack Dam, March



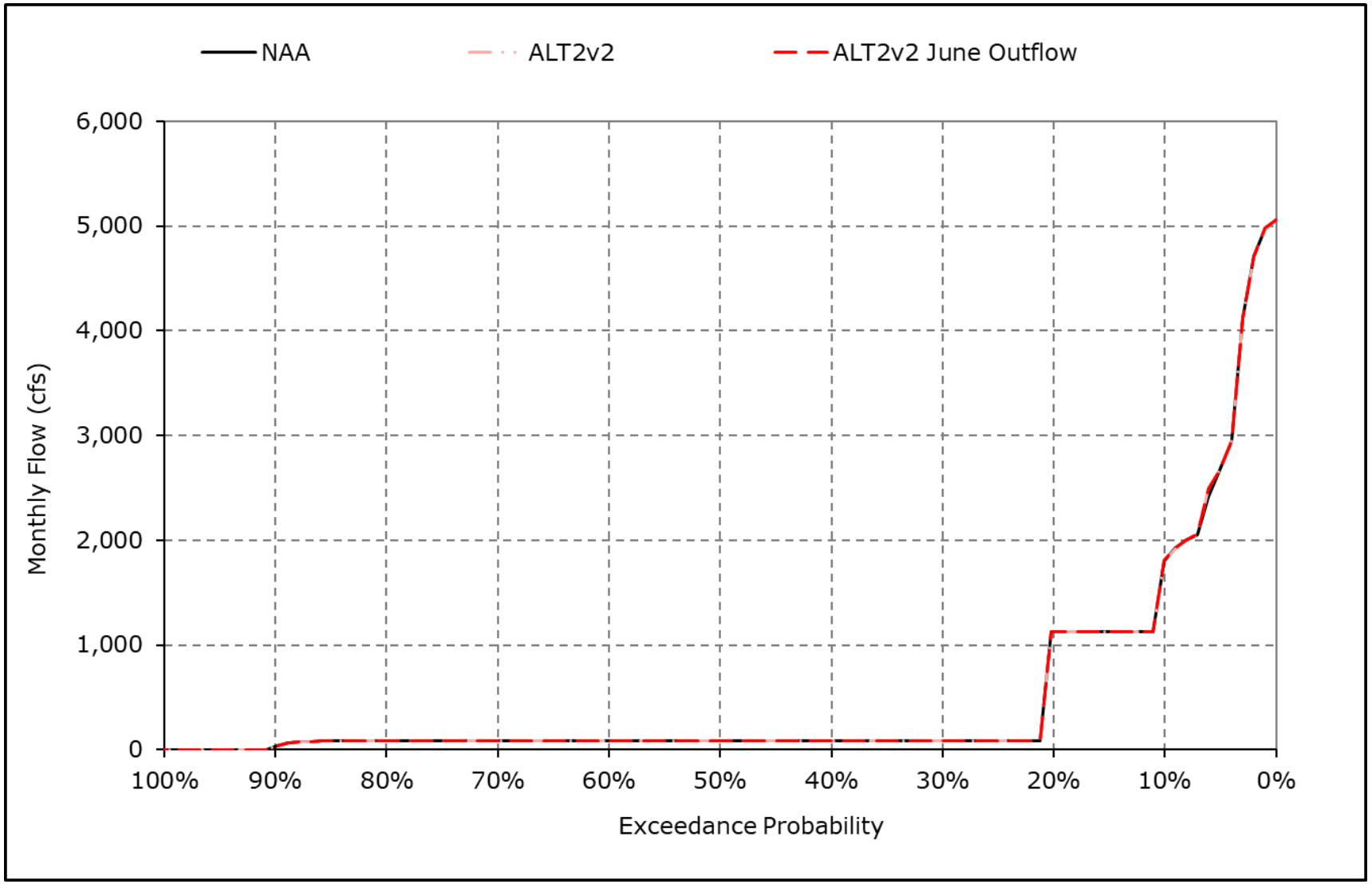
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-13. San Joaquin River Flow below Sack Dam, April



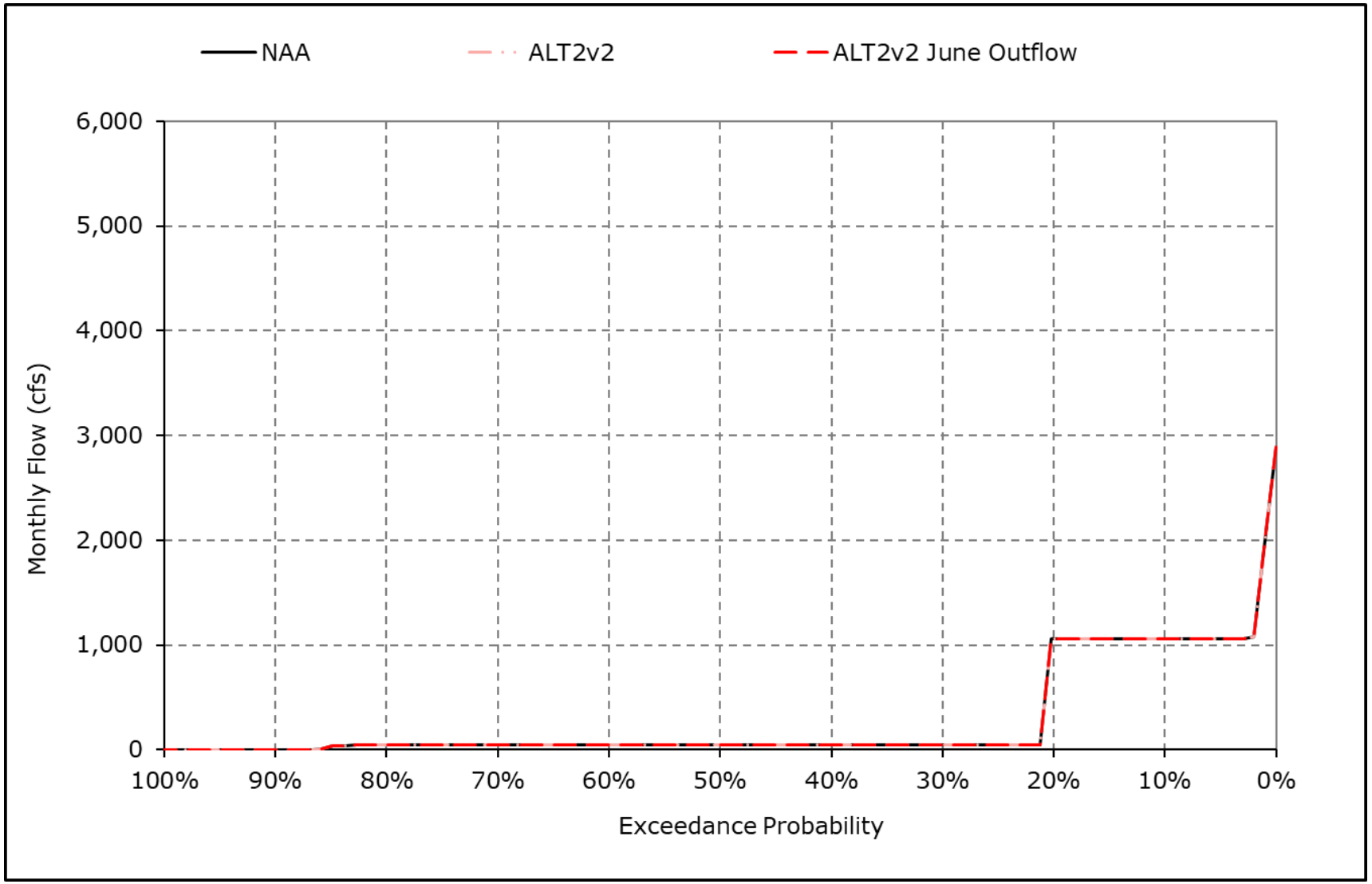
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-14. San Joaquin River Flow below Sack Dam, May



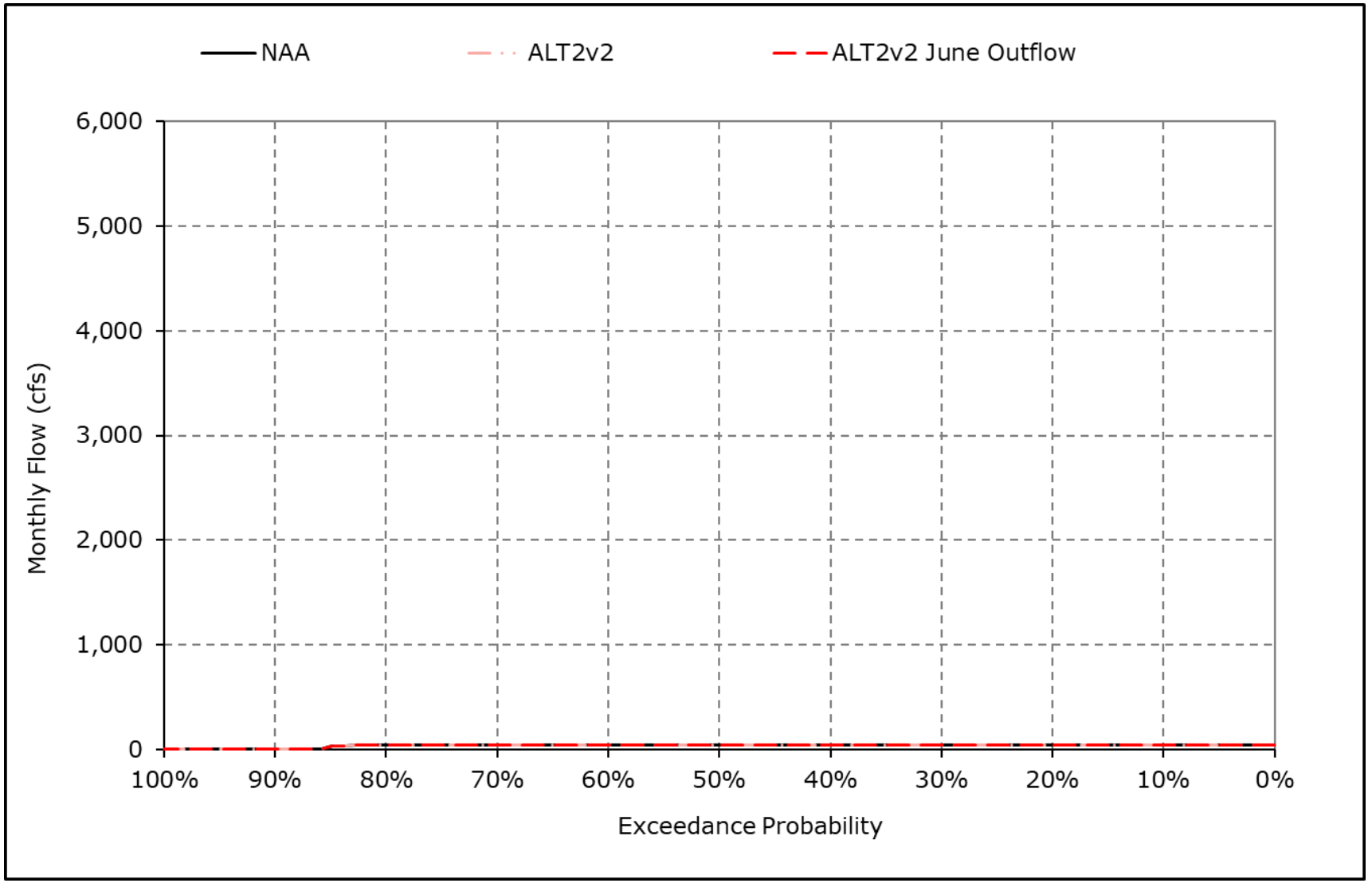
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-17-15. San Joaquin River Flow below Sack Dam, June



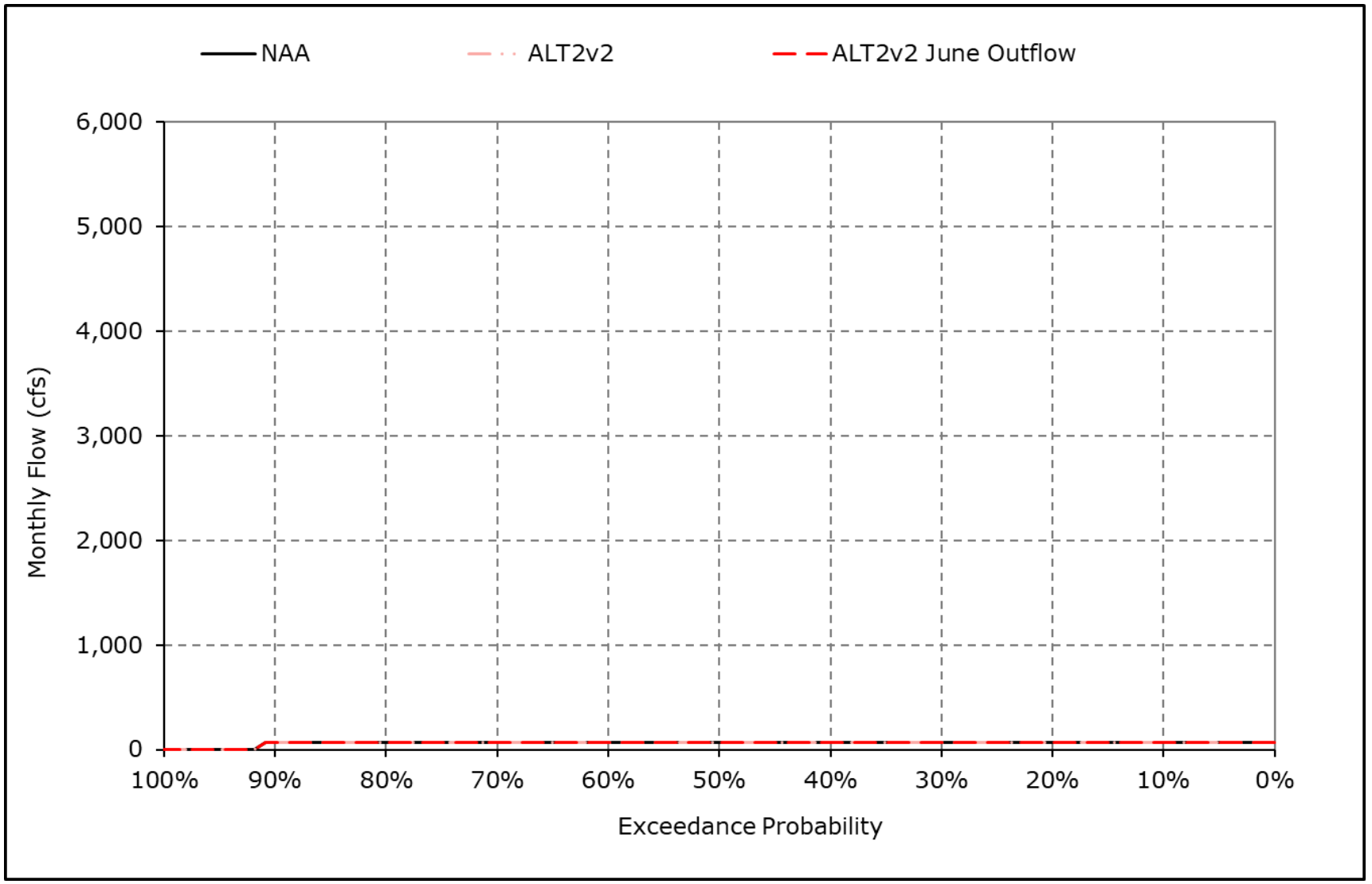
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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 , ALT2v2, 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.2.2-18-1c. San Joaquin River Flow below confluence with Merced , ALT2v2 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.2.2-18-2a. 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 , ALT2v2 June Outflow, Monthly Flow (cfs)

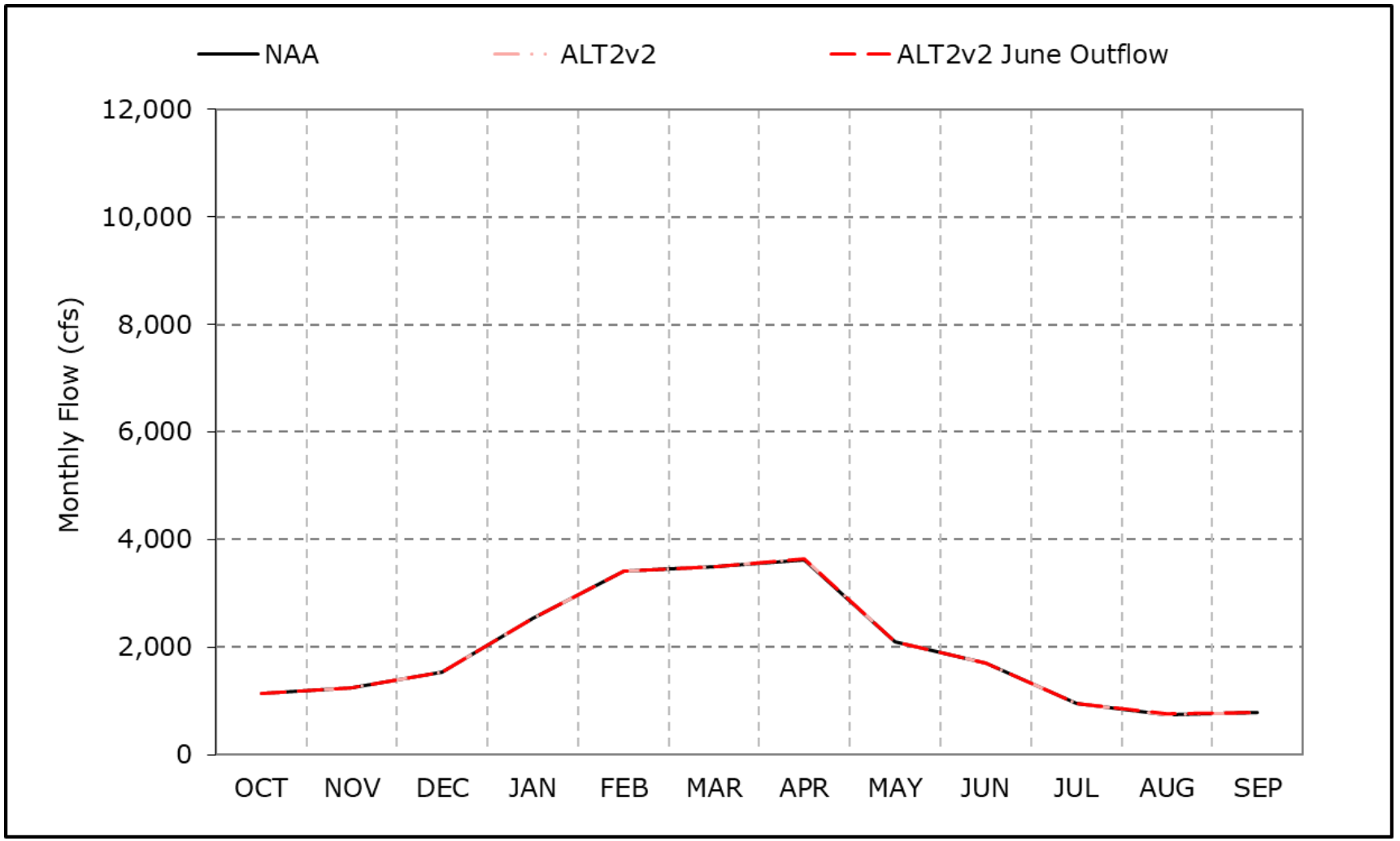
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,988	1,590	2,518	3,969	9,128	7,142	7,710	4,746	3,778	2,019	1,141	986
20% Exceedance	1,490	1,344	1,442	2,812	3,942	3,977	5,039	2,799	2,031	1,554	939	905
30% Exceedance	1,048	1,274	1,217	2,002	2,911	3,070	4,211	1,397	1,058	765	716	765
40% Exceedance	932	1,175	995	1,554	2,069	2,296	3,802	1,035	906	678	682	744
50% Exceedance	899	1,102	885	1,243	1,454	2,172	2,380	855	825	631	643	729
60% Exceedance	873	1,035	853	1,095	1,333	2,065	1,951	777	790	582	631	712
70% Exceedance	847	974	813	1,027	1,155	1,952	1,683	722	749	549	617	695
80% Exceedance	826	948	756	958	1,062	1,913	1,466	655	708	526	599	677
90% Exceedance	774	885	714	909	1,029	1,855	1,409	604	627	452	545	616
Full Simulation Period Average[a]	1,138	1,243	1,537	2,529	3,418	3,500	3,635	2,095	1,701	946	751	776
Wet Water Years (22%)	1,870	1,678	2,079	6,137	8,120	7,604	7,746	6,058	4,756	2,150	1,174	1,027
Above Normal Water Years (12%)	1,171	1,265	2,525	2,704	4,195	3,443	4,371	1,869	1,164	792	717	752
Below Normal Water Years (15%)	1,001	1,226	1,360	2,019	3,305	2,697	3,671	1,253	992	708	688	736
Dry Water Years (17%)	911	1,128	1,182	1,144	1,255	2,093	2,018	792	794	599	635	710
Critical Water Years (34%)	816	1,012	1,051	1,051	1,233	1,923	1,507	634	682	499	576	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.2.2-18-2c. San Joaquin River Flow below confluence with Merced , ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

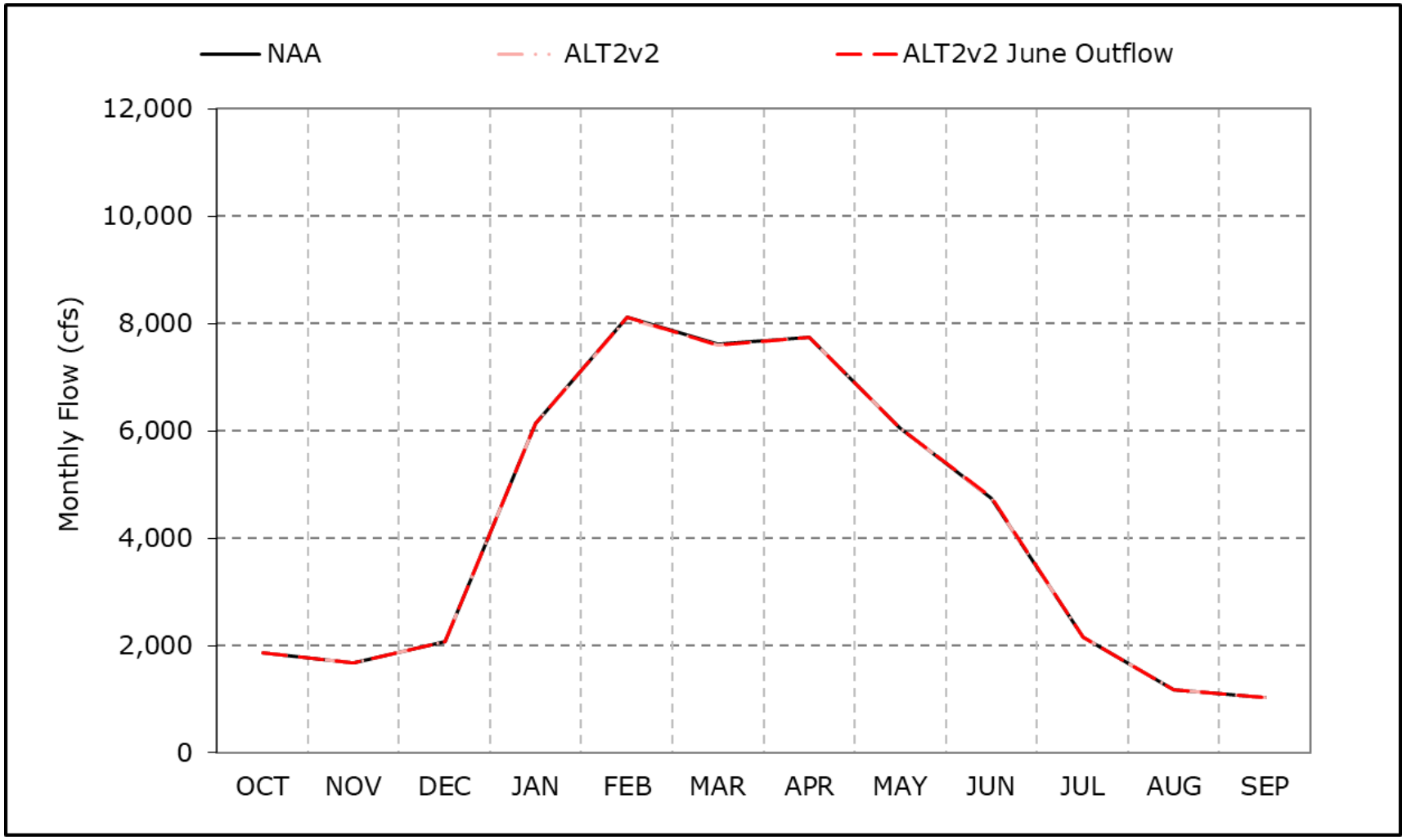
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-2	0	10	3	-33	73	0	2	0	2
20% Exceedance	5	0	3	1	1	-1	34	22	0	4	1	2
30% Exceedance	1	2	1	0	1	1	6	2	3	2	4	1
40% Exceedance	1	2	3	1	0	1	14	1	1	-4	2	1
50% Exceedance	2	1	1	2	4	0	2	0	0	1	-5	1
60% Exceedance	0	1	2	1	1	-2	30	0	1	4	1	2
70% Exceedance	1	3	1	1	1	3	7	1	-1	-1	1	1
80% Exceedance	1	-1	2	1	0	1	19	3	2	1	1	1
90% Exceedance	-1	1	-4	0	1	1	1	1	-1	1	4	2
Full Simulation Period Average[a]	1	1	1	1	5	0	15	7	2	2	1	1
Wet Water Years (22%)	2	2	2	3	9	-7	-4	3	5	2	2	1
Above Normal Water Years (12%)	1	2	3	2	18	10	35	43	2	2	1	2
Below Normal Water Years (15%)	1	1	1	0	4	1	32	9	2	3	0	0
Dry Water Years (17%)	2	2	1	1	0	1	15	1	1	1	1	2
Critical Water Years (34%)	1	0	0	1	0	1	14	0	0	2	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.



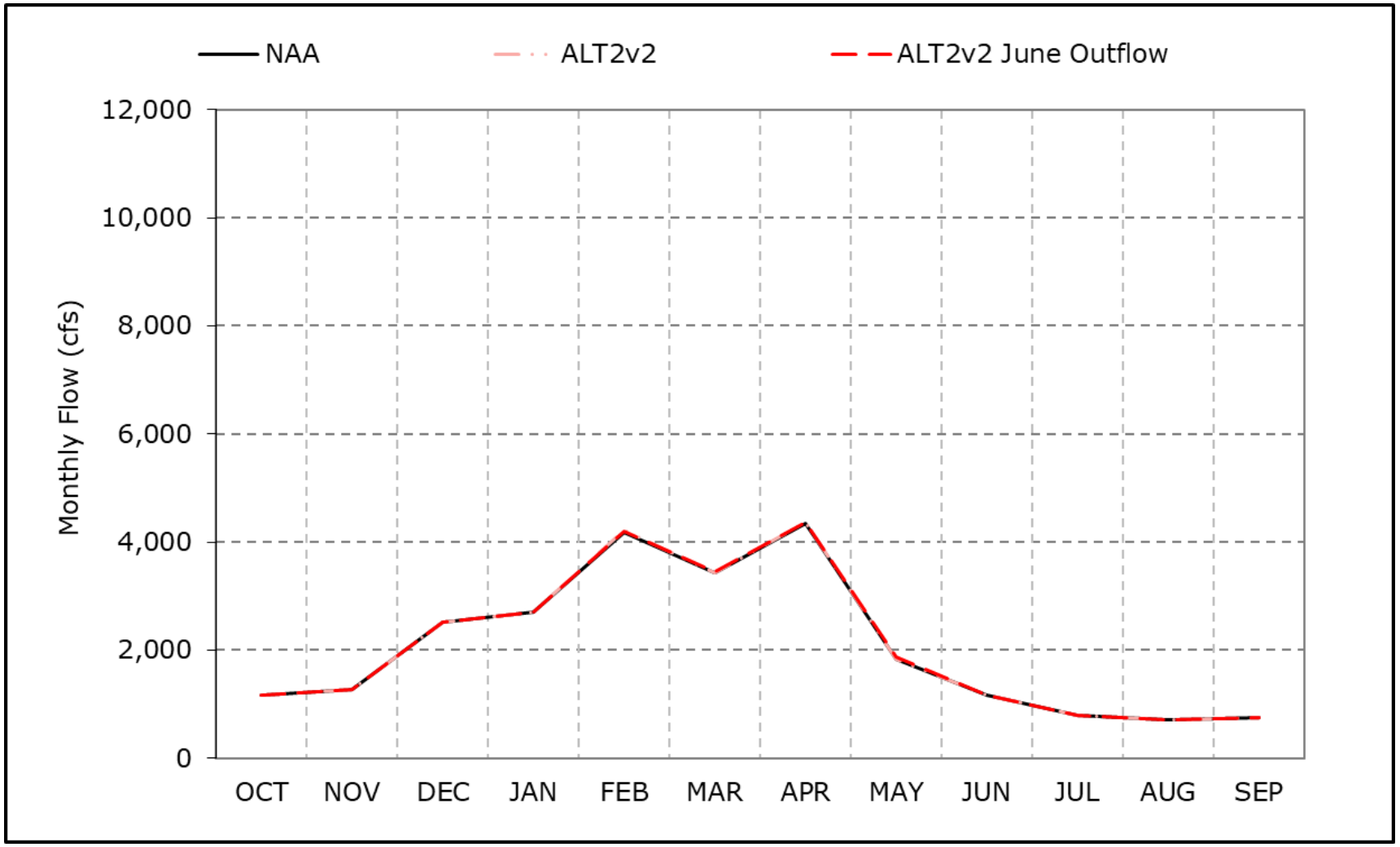
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-1. San Joaquin River Flow below confluence with Merced , Long- Term Average Flow



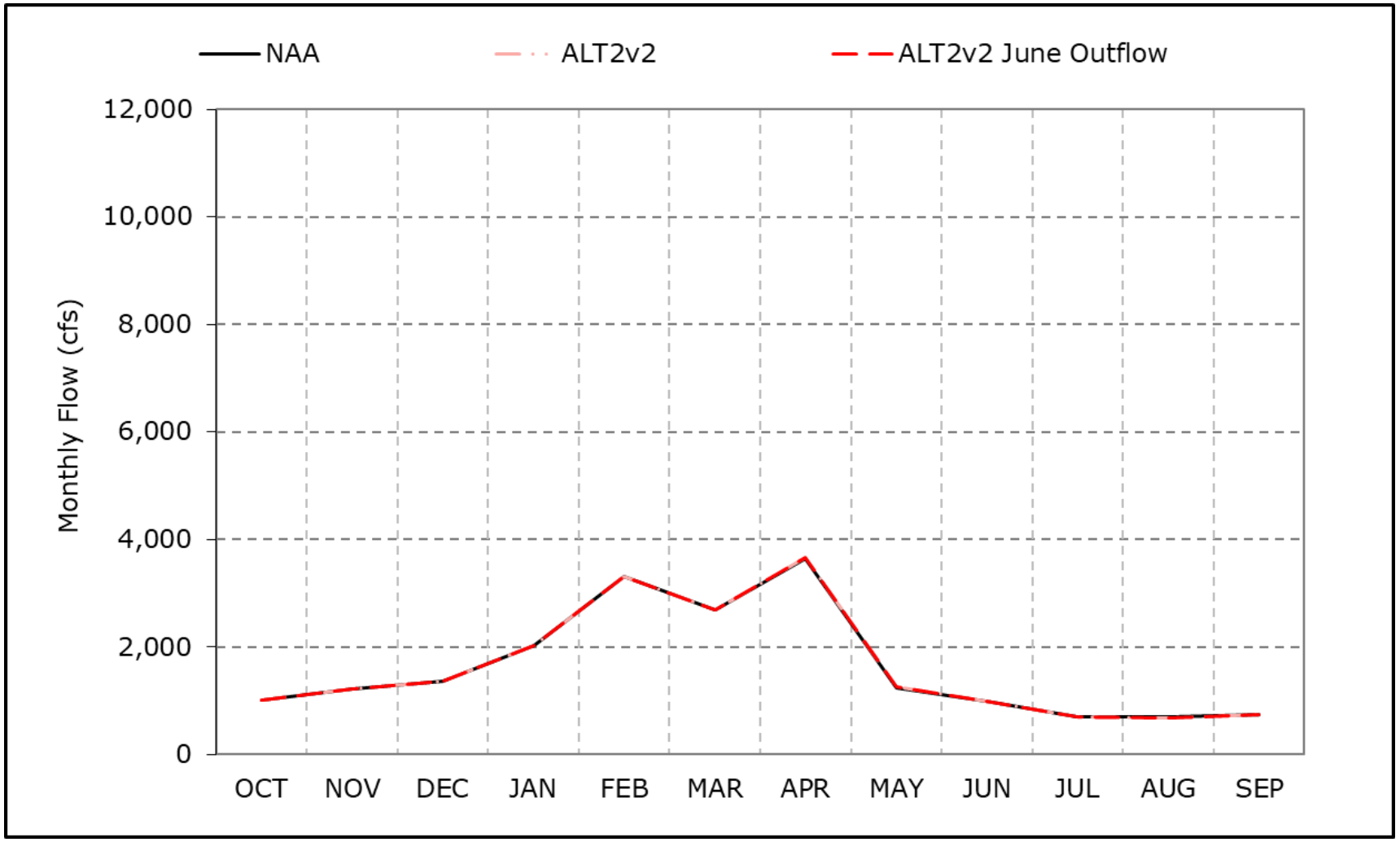
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-2. San Joaquin River Flow below confluence with Merced , Wet Year Average Flow



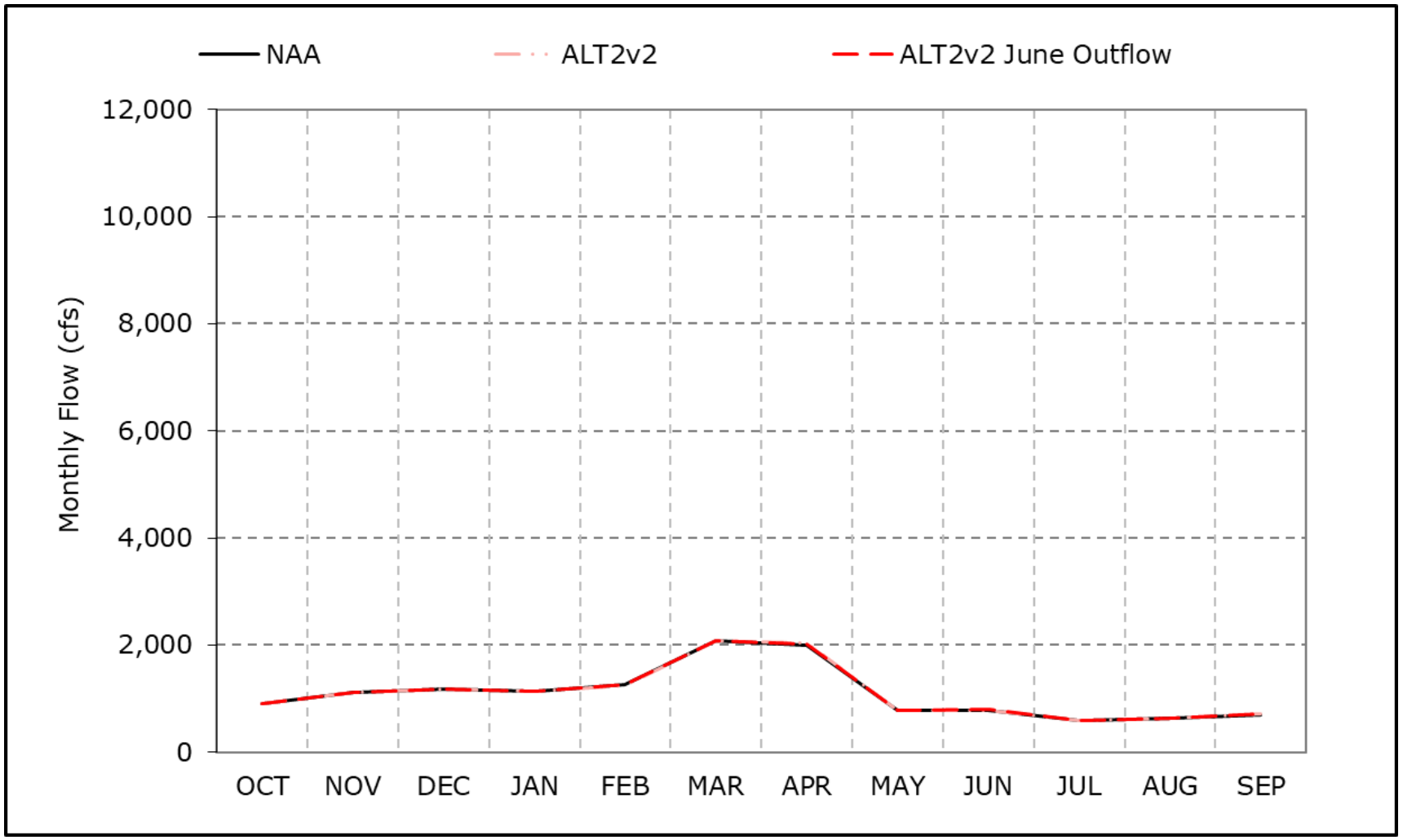
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-3. San Joaquin River Flow below confluence with Merced , Above Normal Year Average Flow



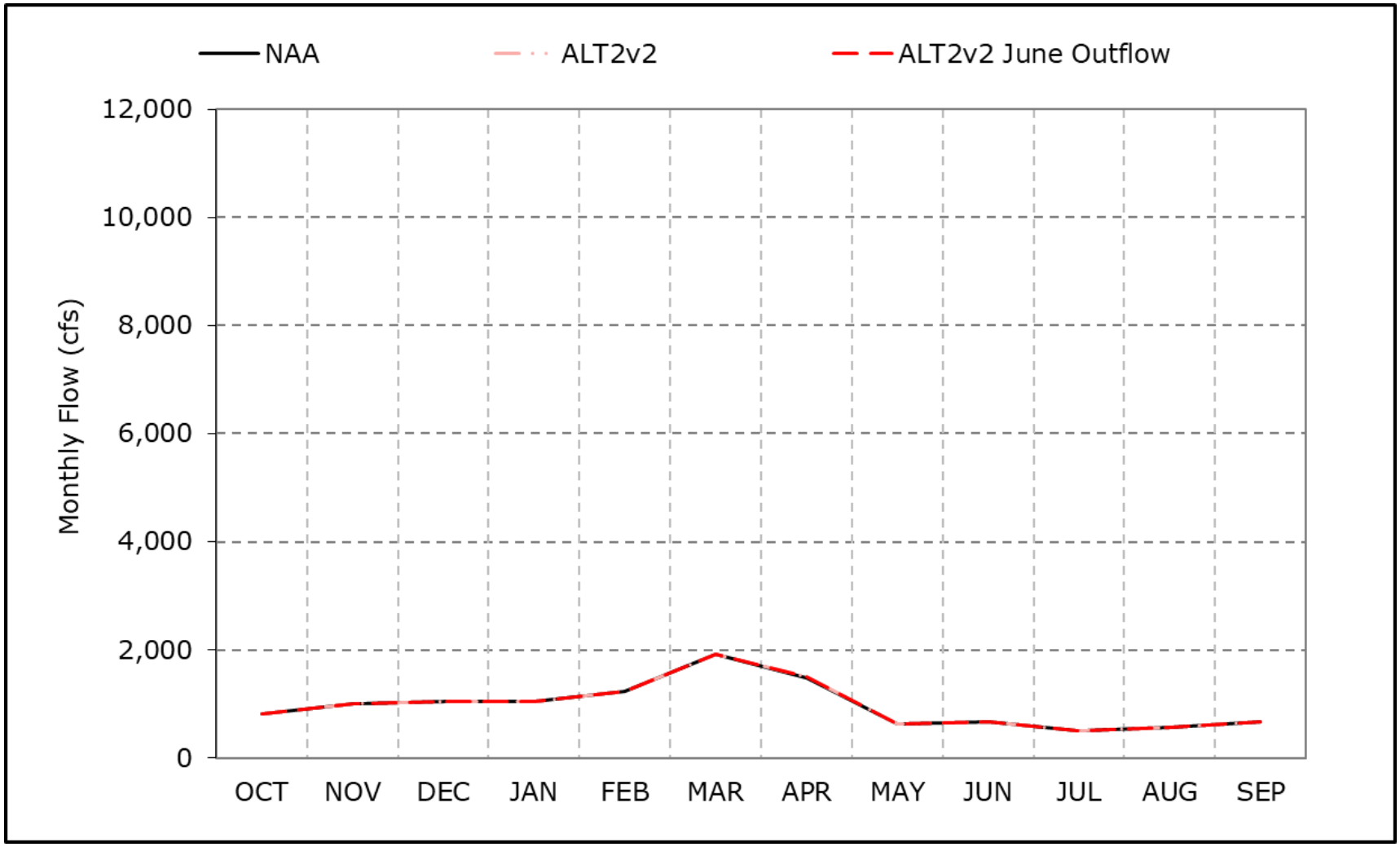
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-4. San Joaquin River Flow below confluence with Merced , Below Normal Year Average Flow



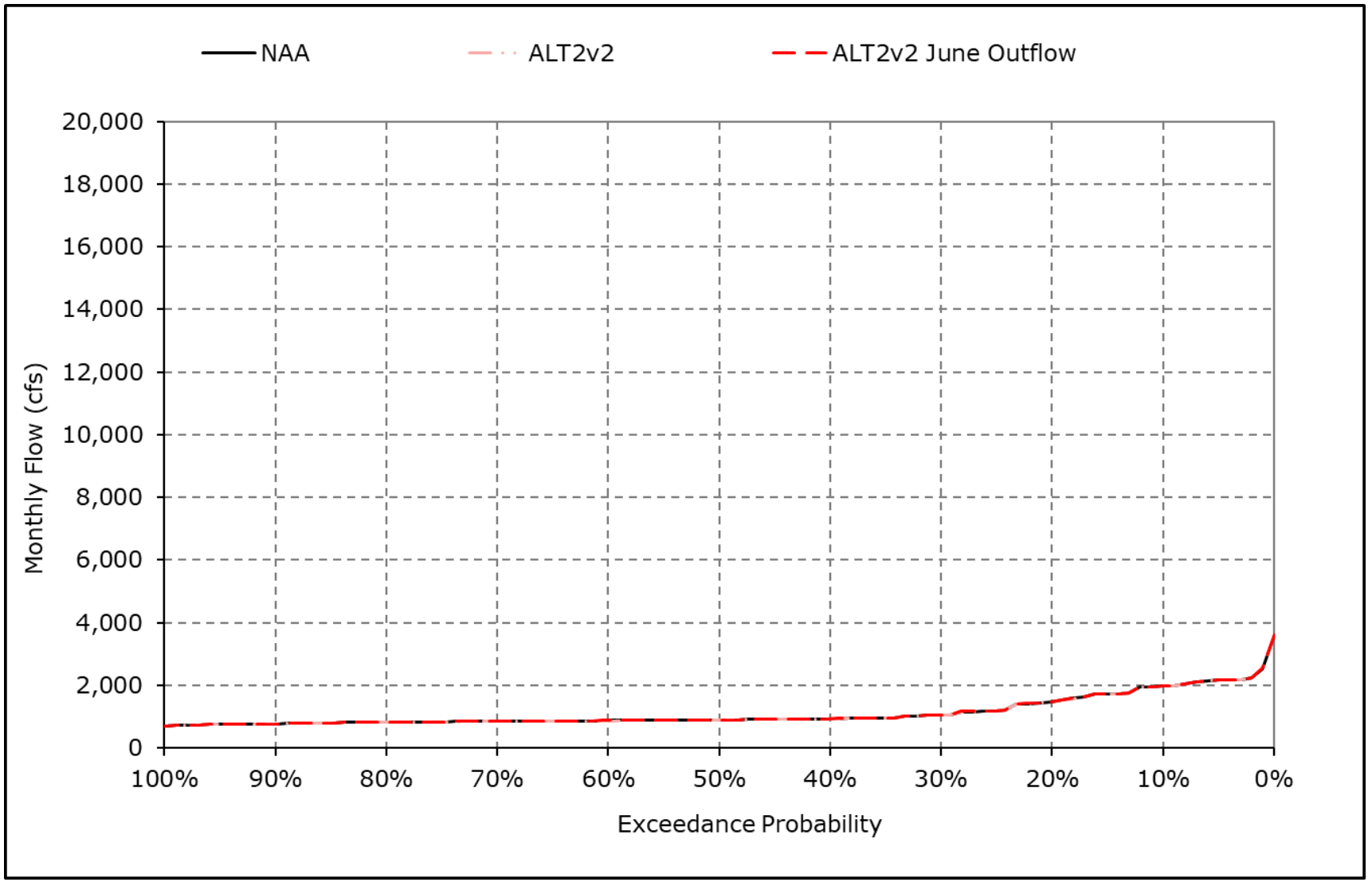
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-5. San Joaquin River Flow below confluence with Merced , Dry Year Average Flow



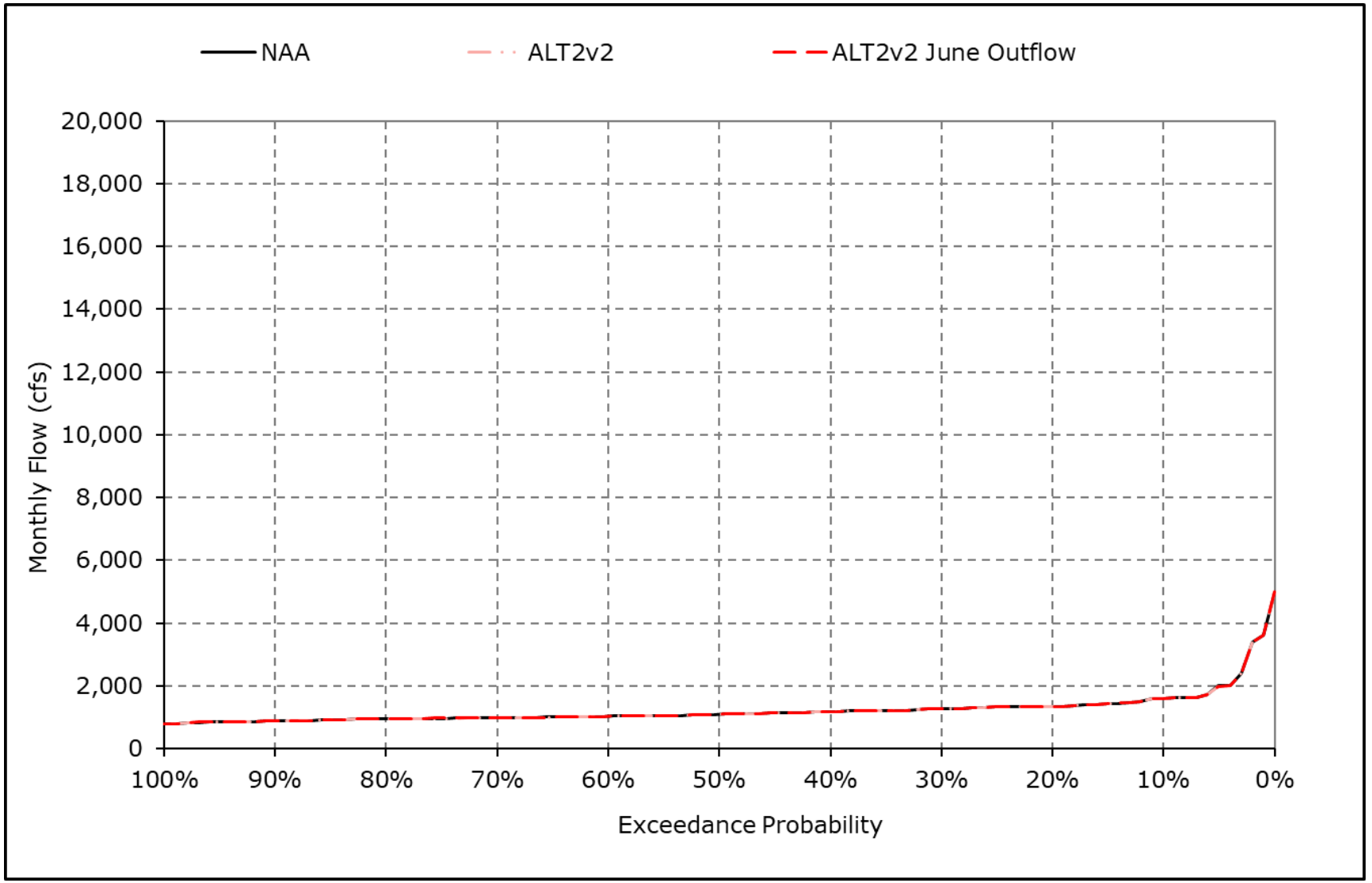
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-6. San Joaquin River Flow below confluence with Merced , Critical Year Average Flow



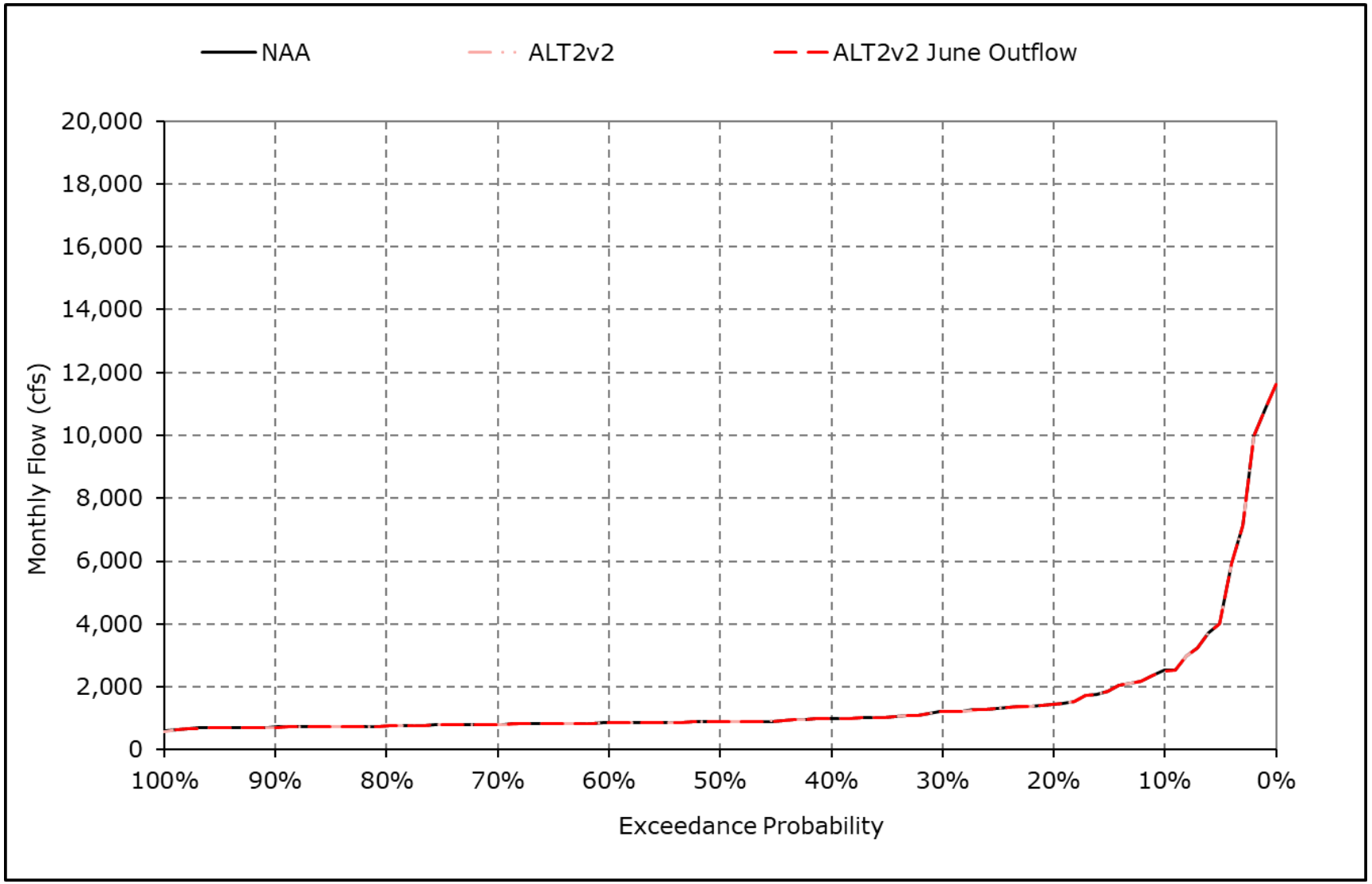
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-7. San Joaquin River Flow below confluence with Merced , October



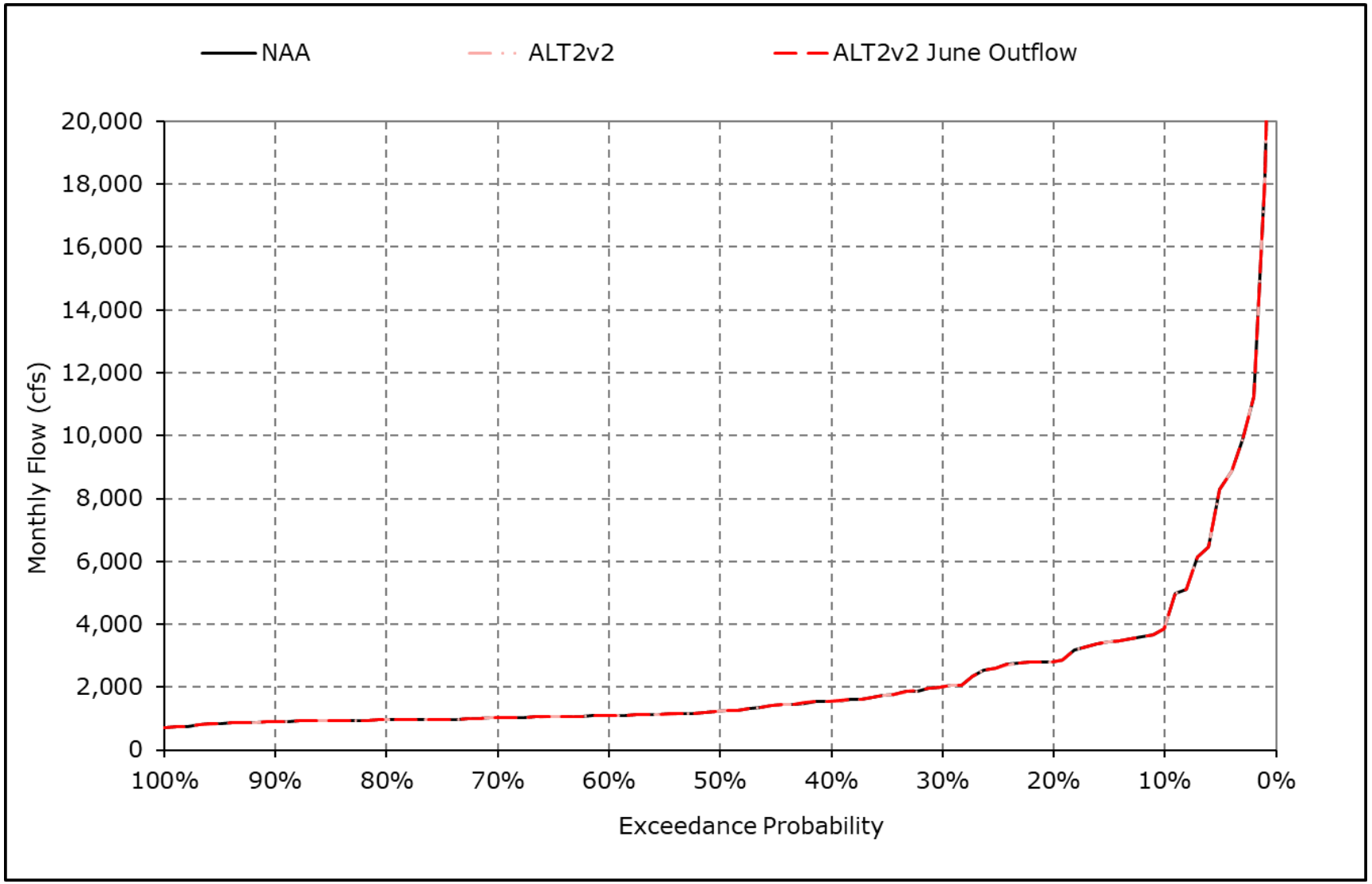
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-8. San Joaquin River Flow below confluence with Merced , November



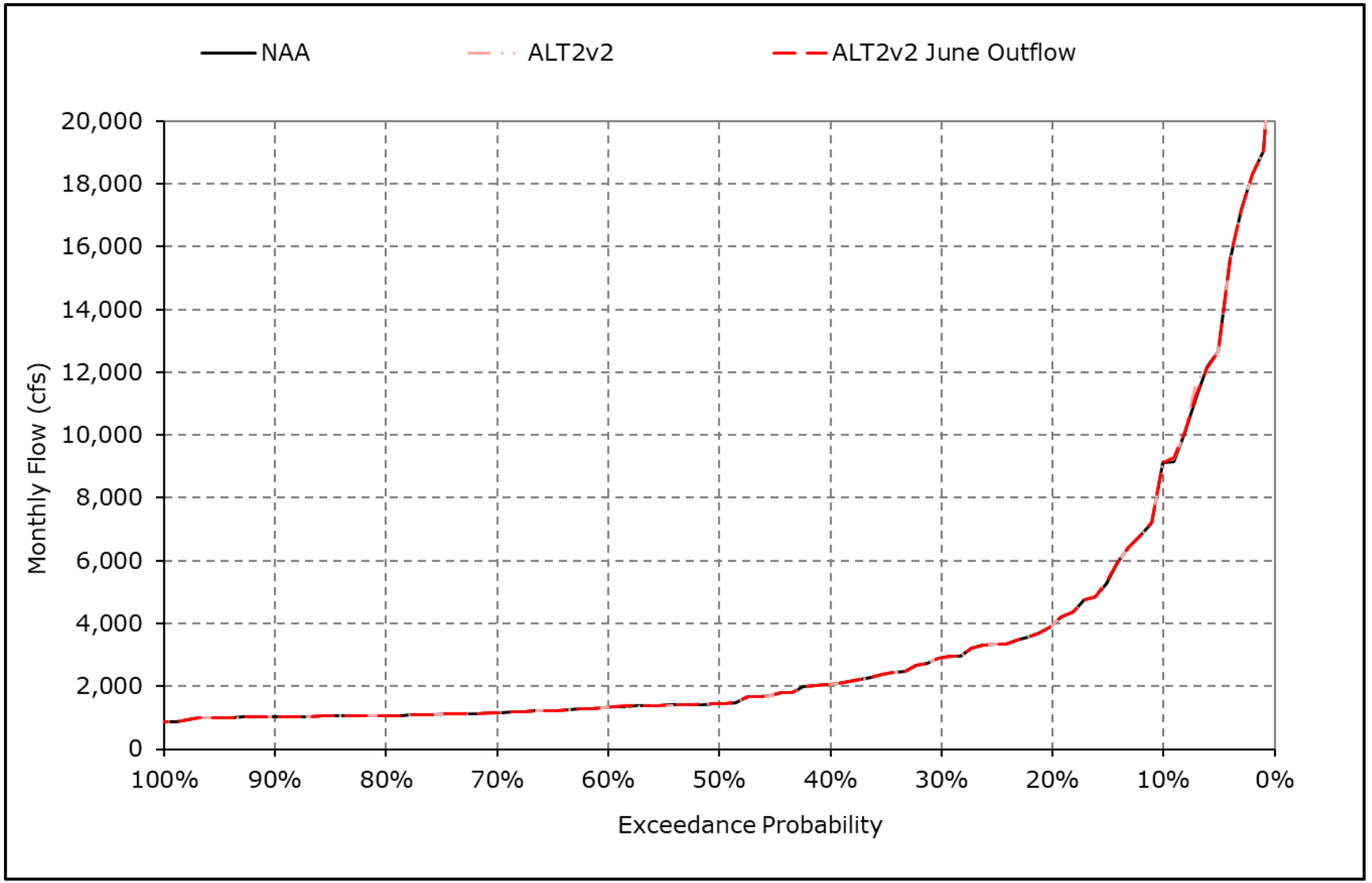
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-9. San Joaquin River Flow below confluence with Merced , December



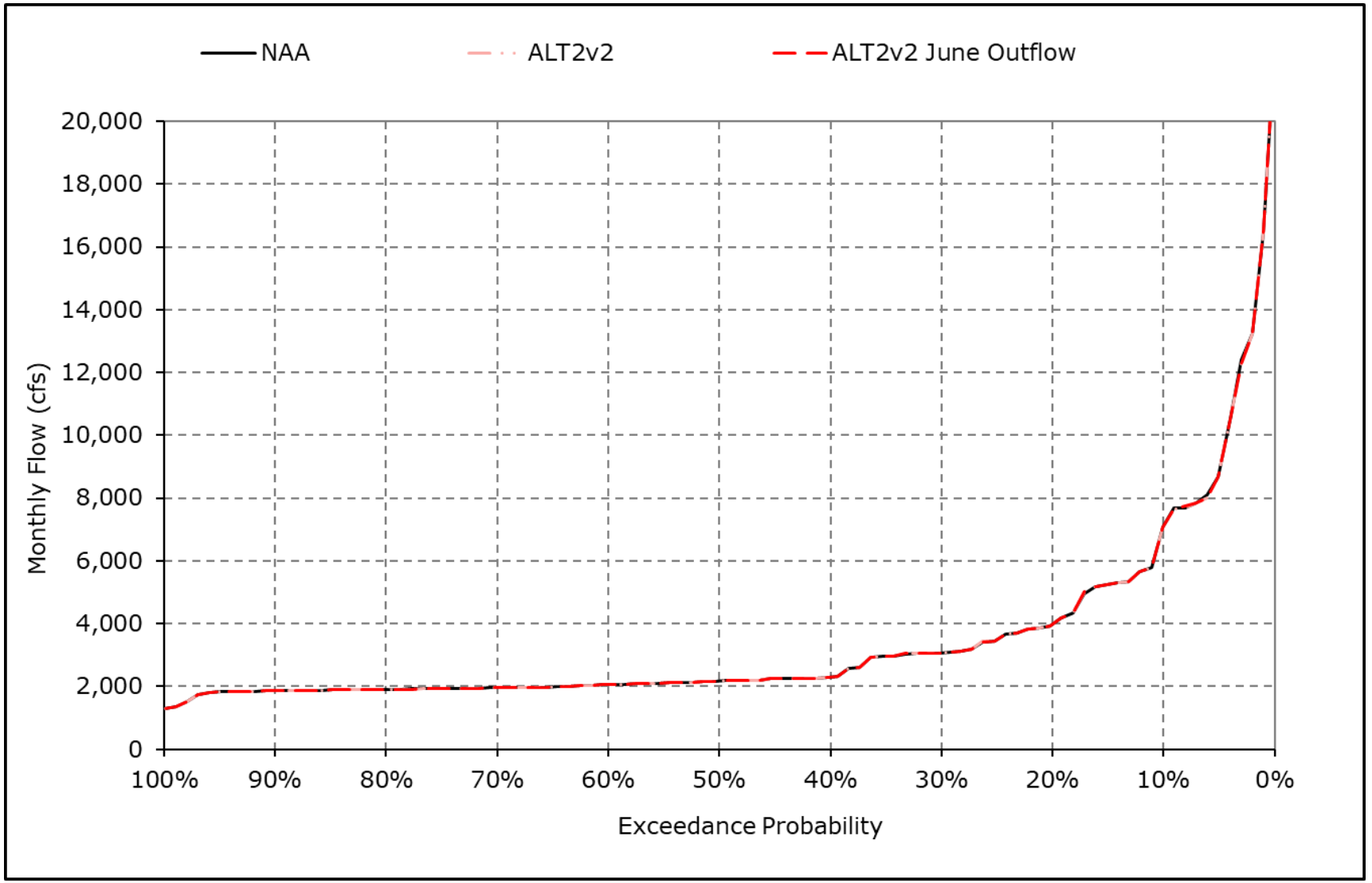
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-10. San Joaquin River Flow below confluence with Merced , January



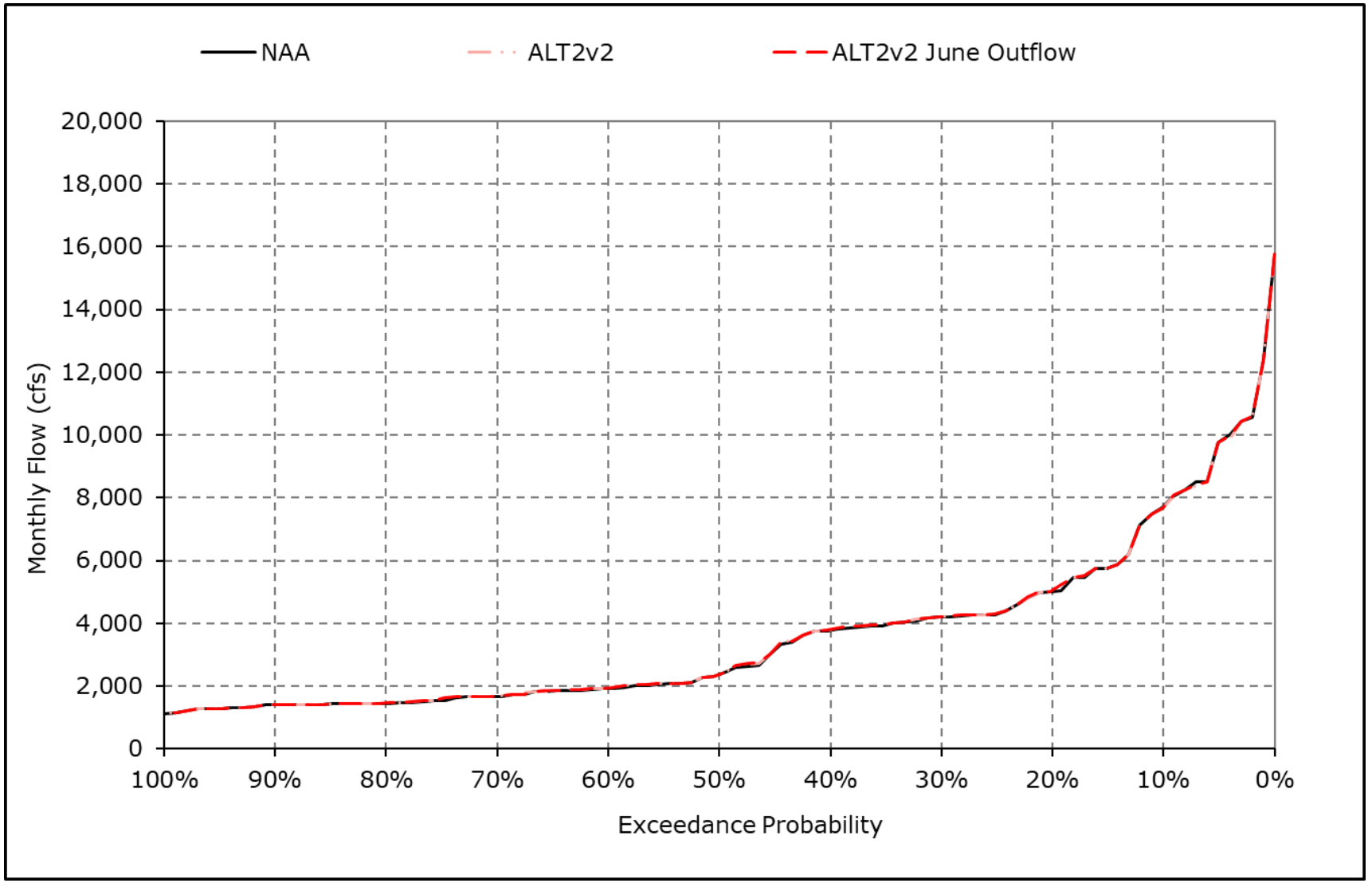
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-11. San Joaquin River Flow below confluence with Merced , February



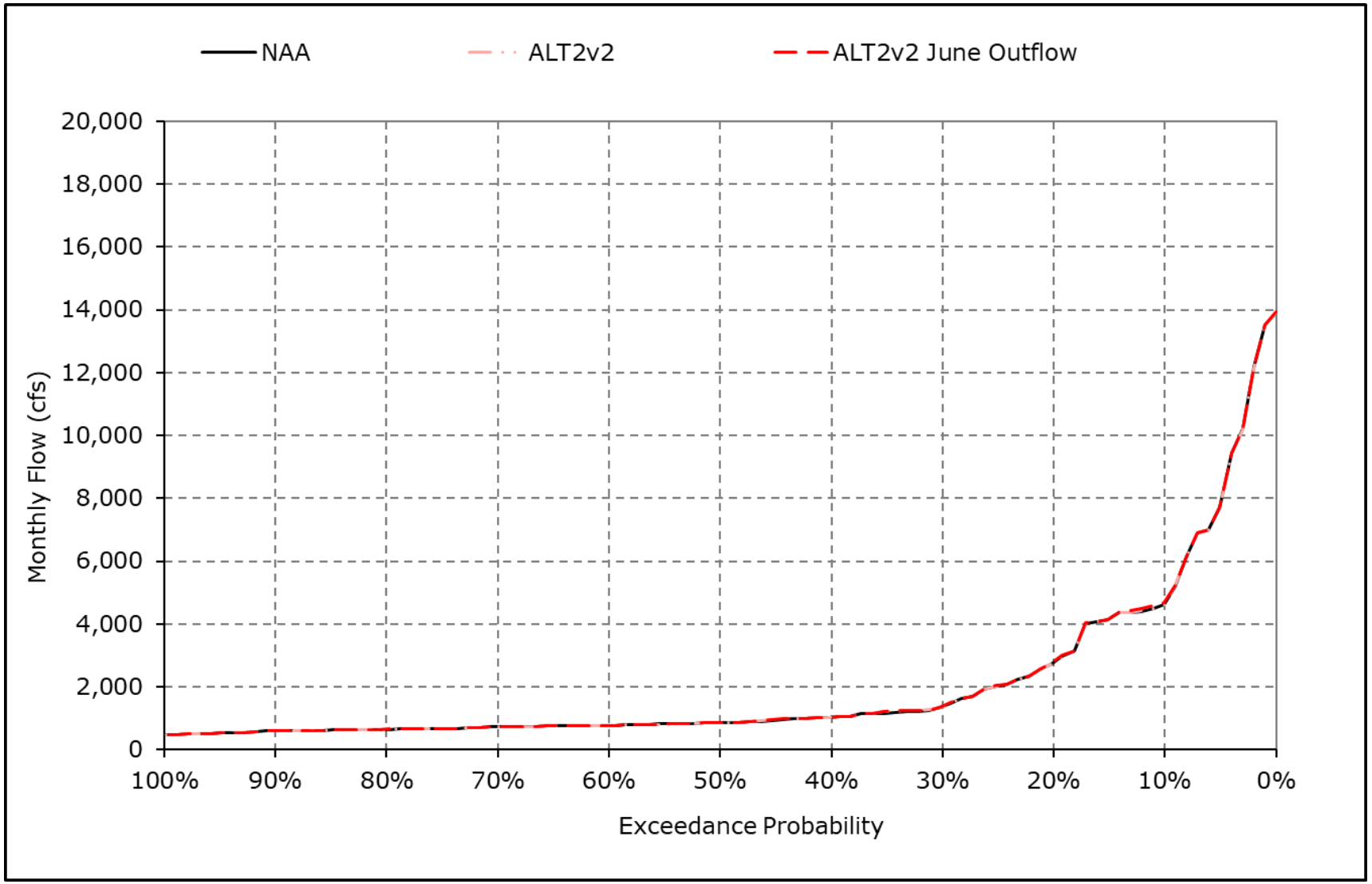
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-12. San Joaquin River Flow below confluence with Merced , March



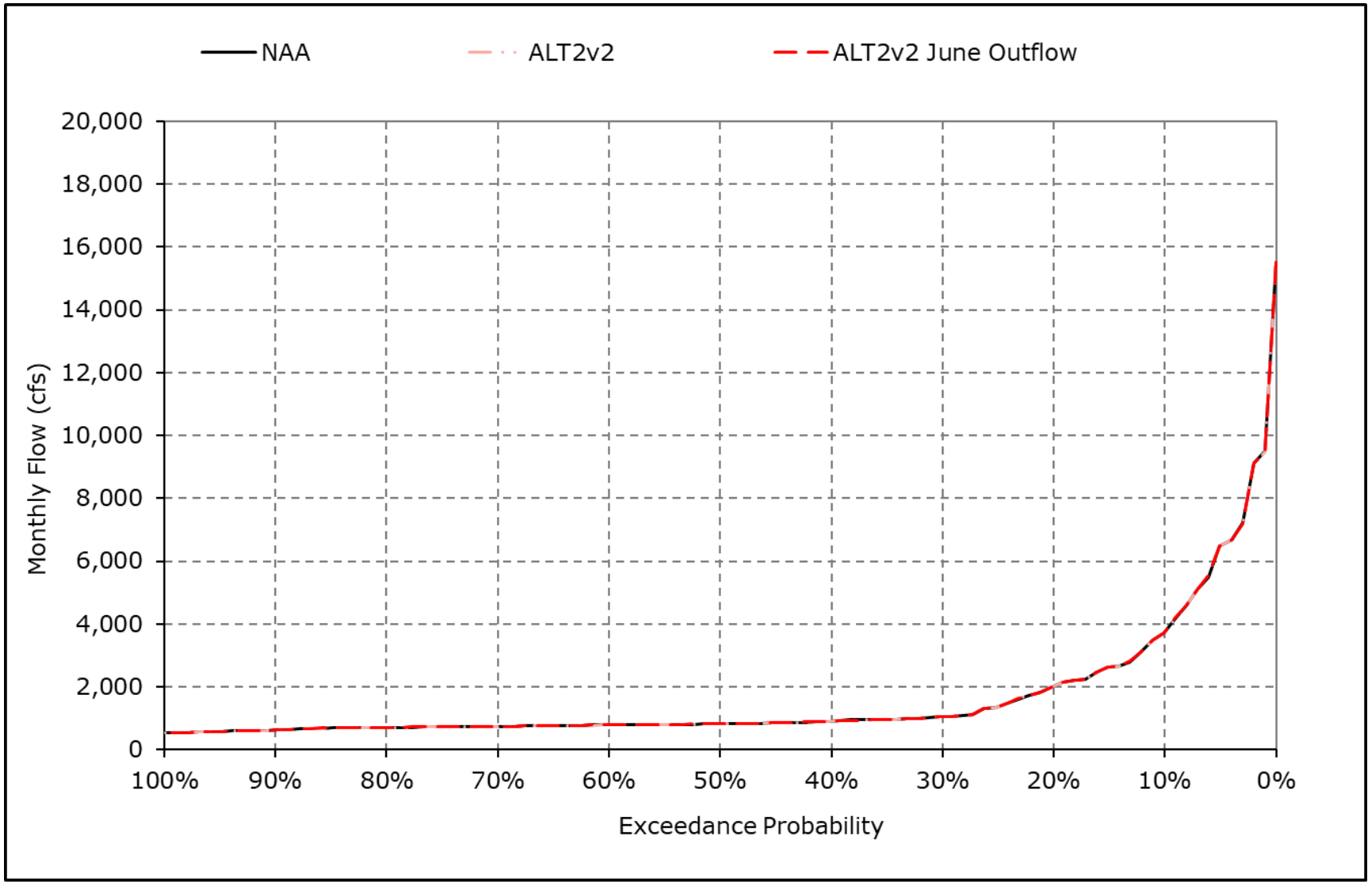
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-13. San Joaquin River Flow below confluence with Merced , April



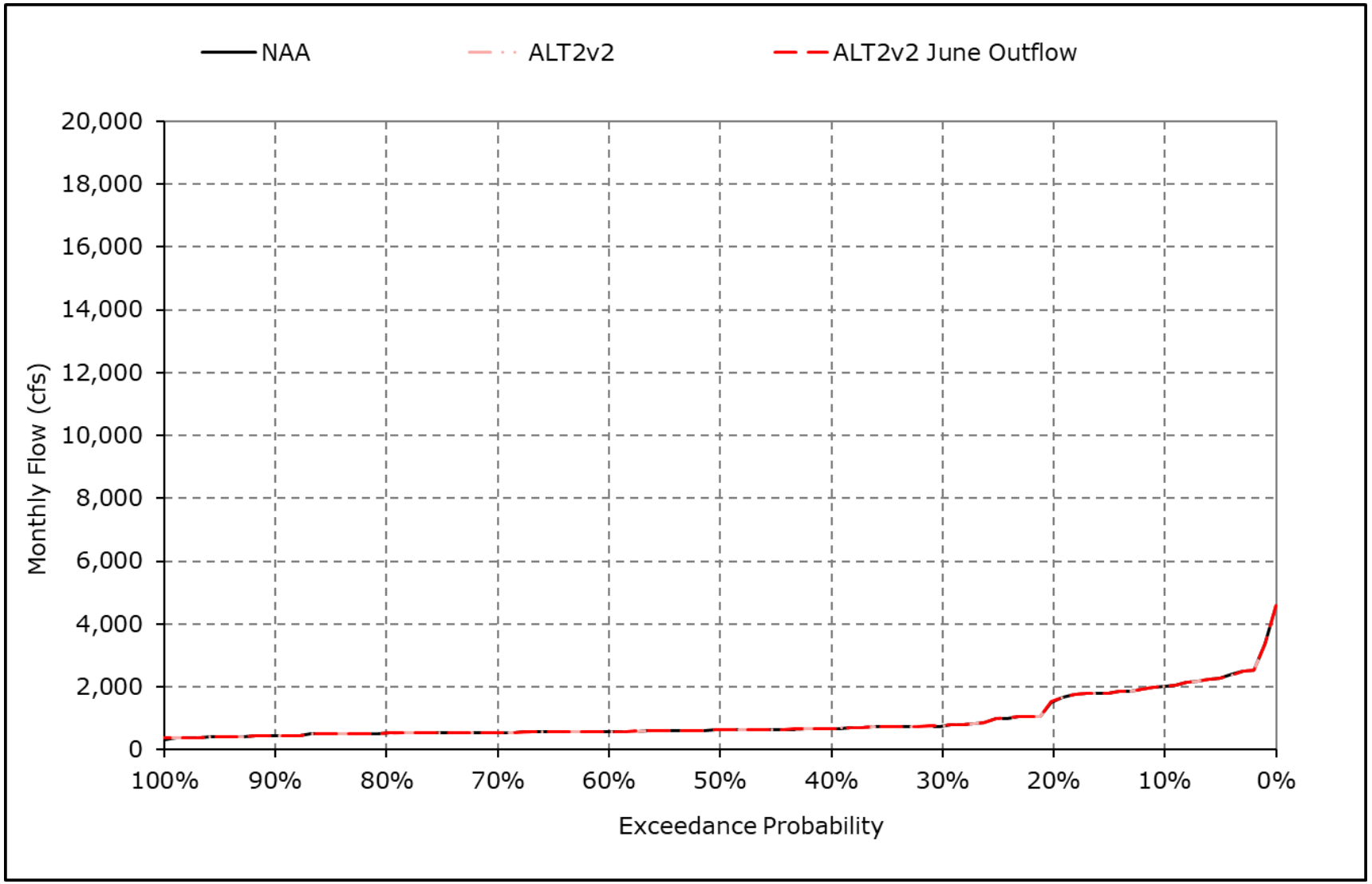
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-14. San Joaquin River Flow below confluence with Merced , May



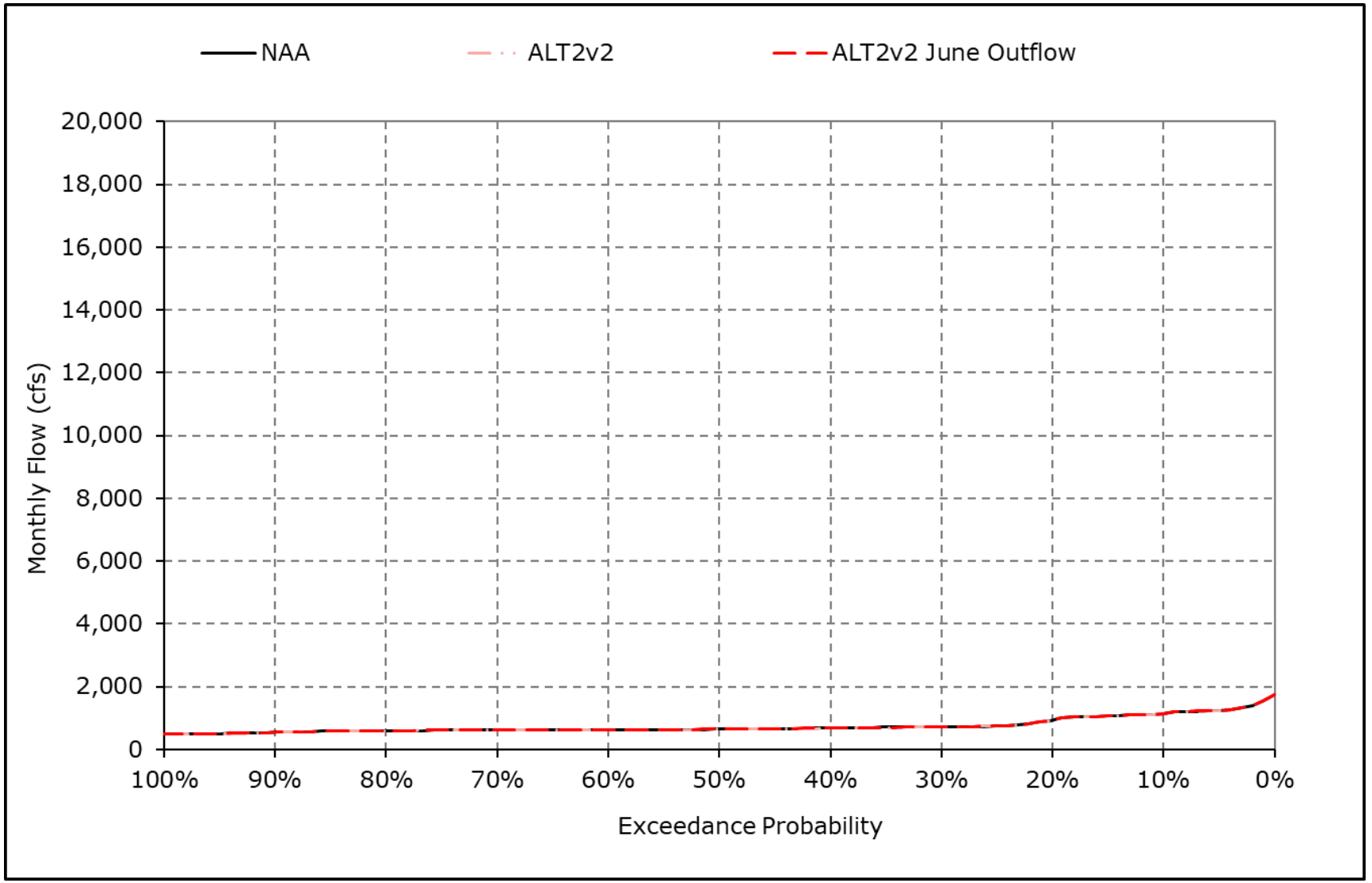
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-18-15. San Joaquin River Flow below confluence with Merced , June



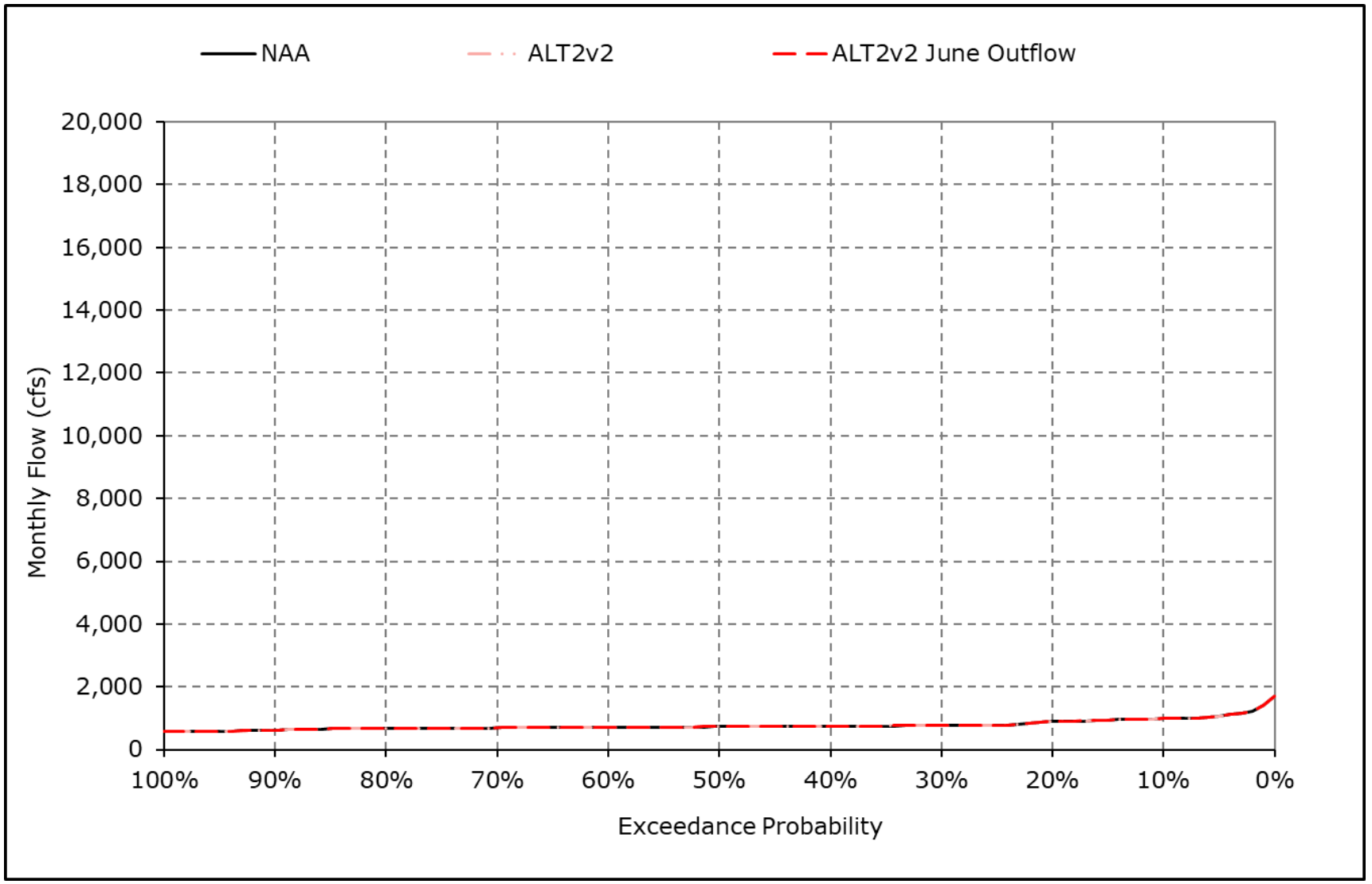
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-19-1c. Stanislaus River Flow below Goodwin, ALT2v2 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.2.2-19-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

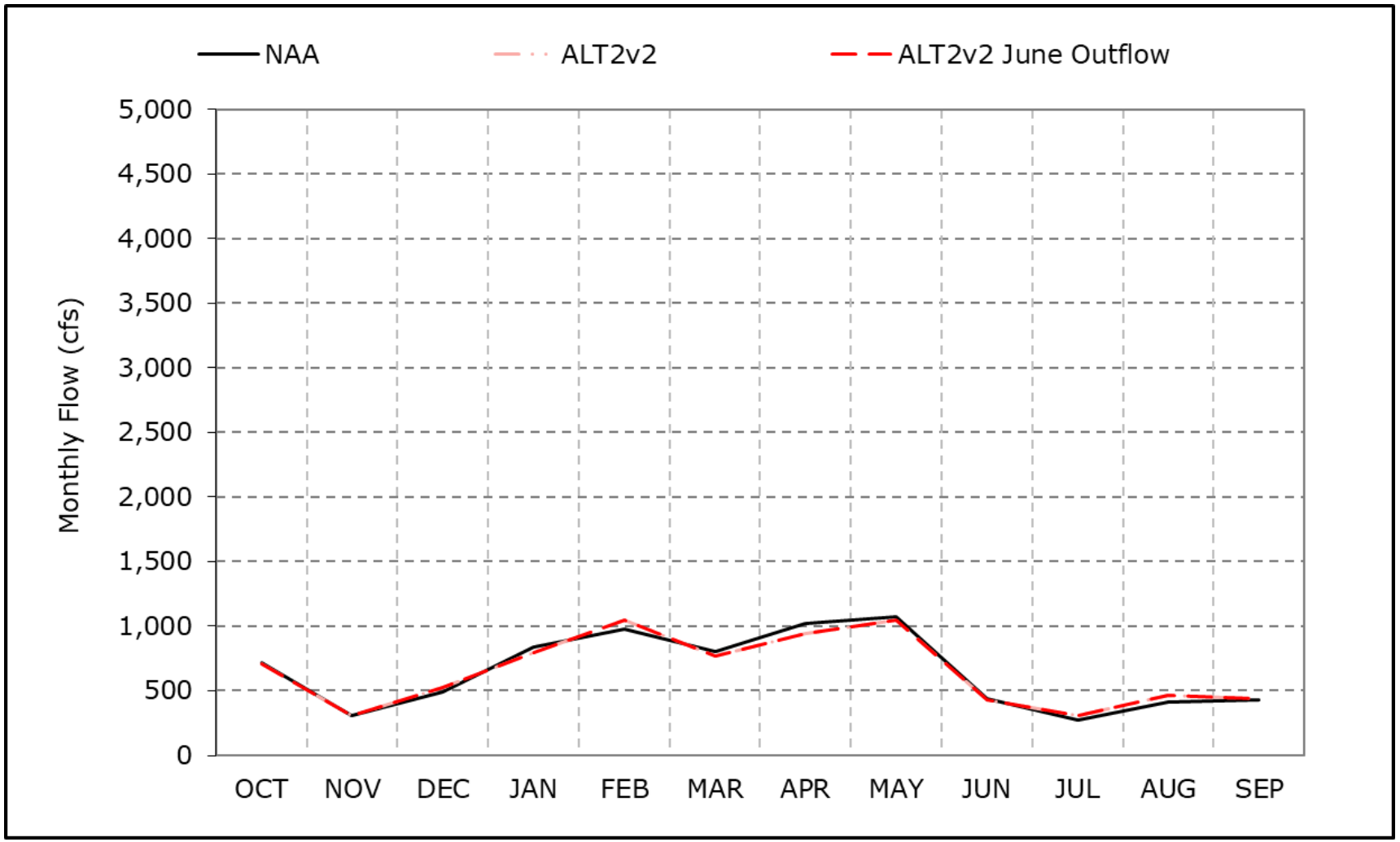
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	275	1,167	2,443	2,801	2,350	1,537	1,865	940	300	951	1,479
20% Exceedance	774	200	241	753	1,565	1,217	1,537	1,242	363	265	286	250
30% Exceedance	774	200	200	200	905	447	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	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	307	528	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	905	660	890	1,619	2,155	1,784	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	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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

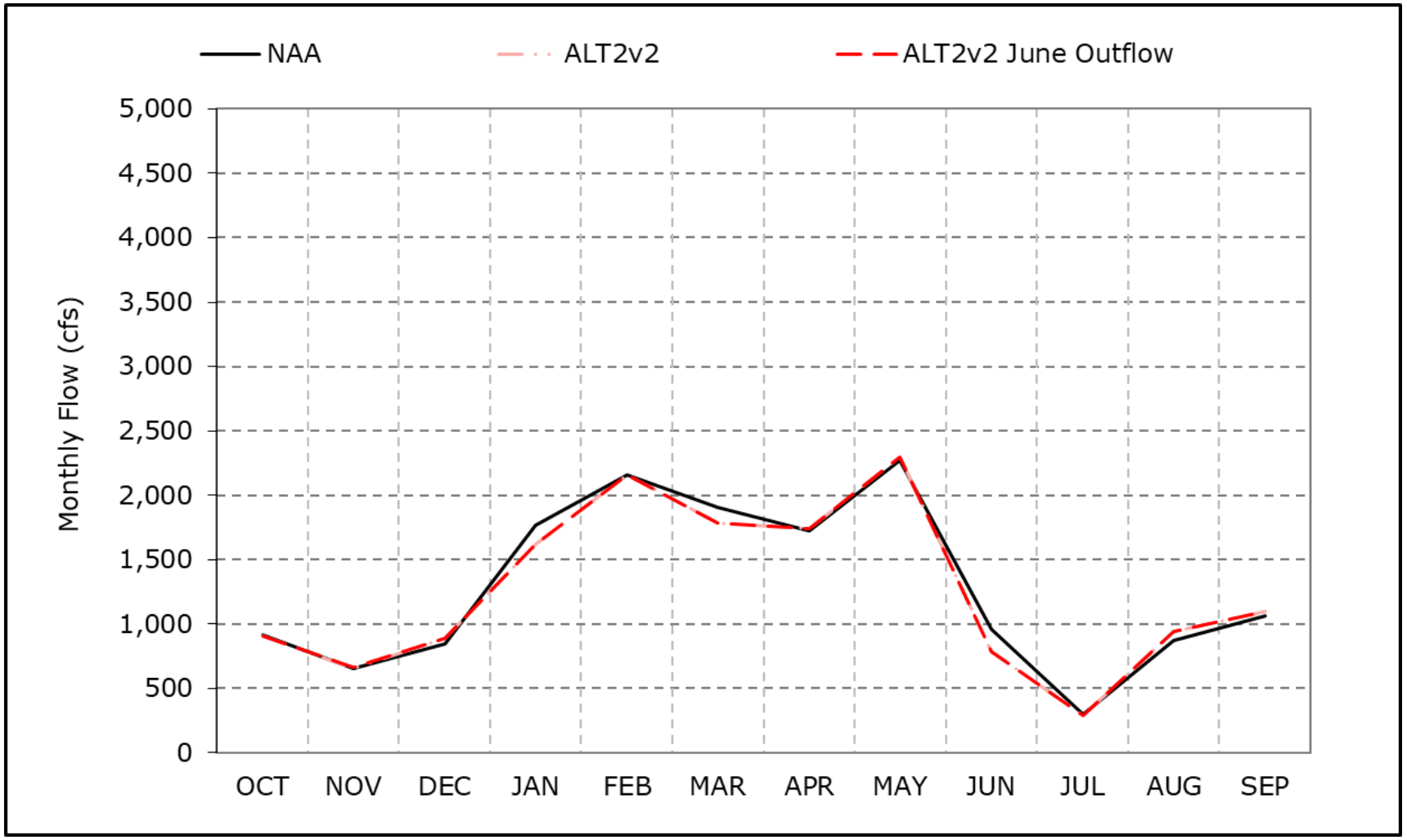
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	15	161	-61	224	0	-17	47	0	0	621	127
20% Exceedance	-23	0	34	0	-9	-112	-17	-313	-577	-35	-14	-50
30% Exceedance	0	0	0	-32	30	-116	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	160	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	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	1	33	-39	67	-33	-81	-32	-6	34	52	8
Wet Water Years (22%)	-7	3	46	-148	0	-118	22	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.



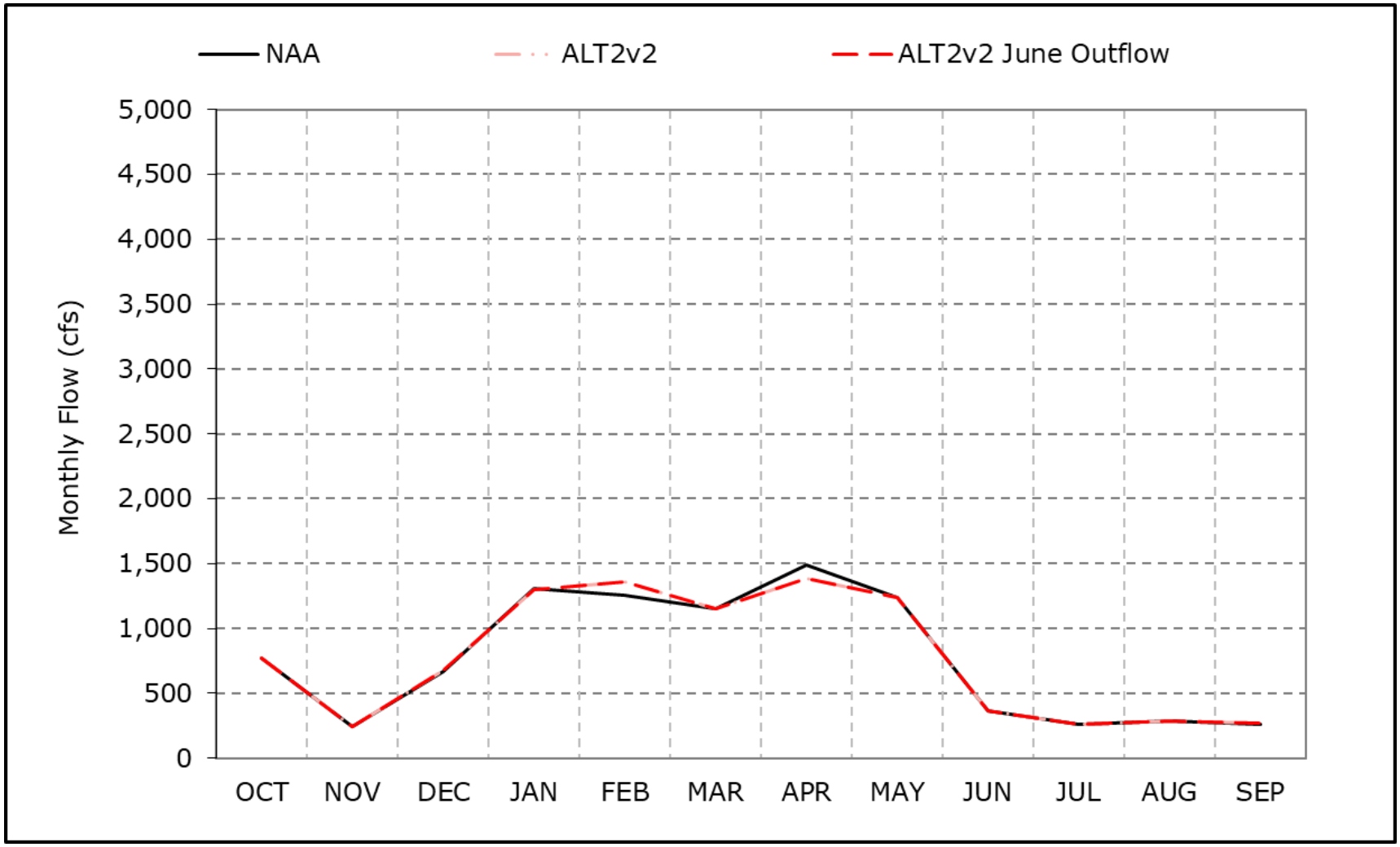
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-1. Stanislaus River Flow below Goodwin, Long-Term Average Flow



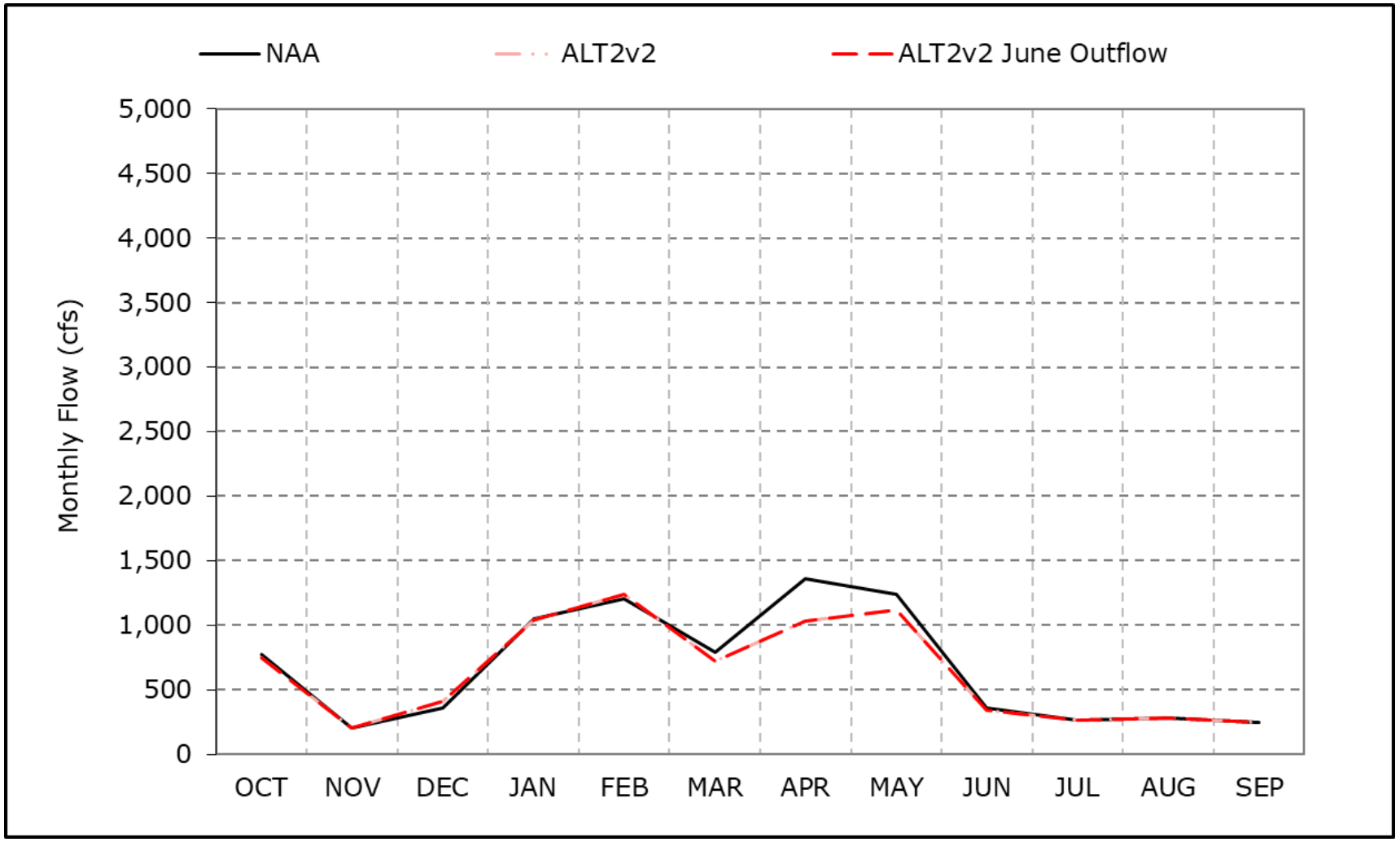
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-2. Stanislaus River Flow below Goodwin, Wet Year Average Flow



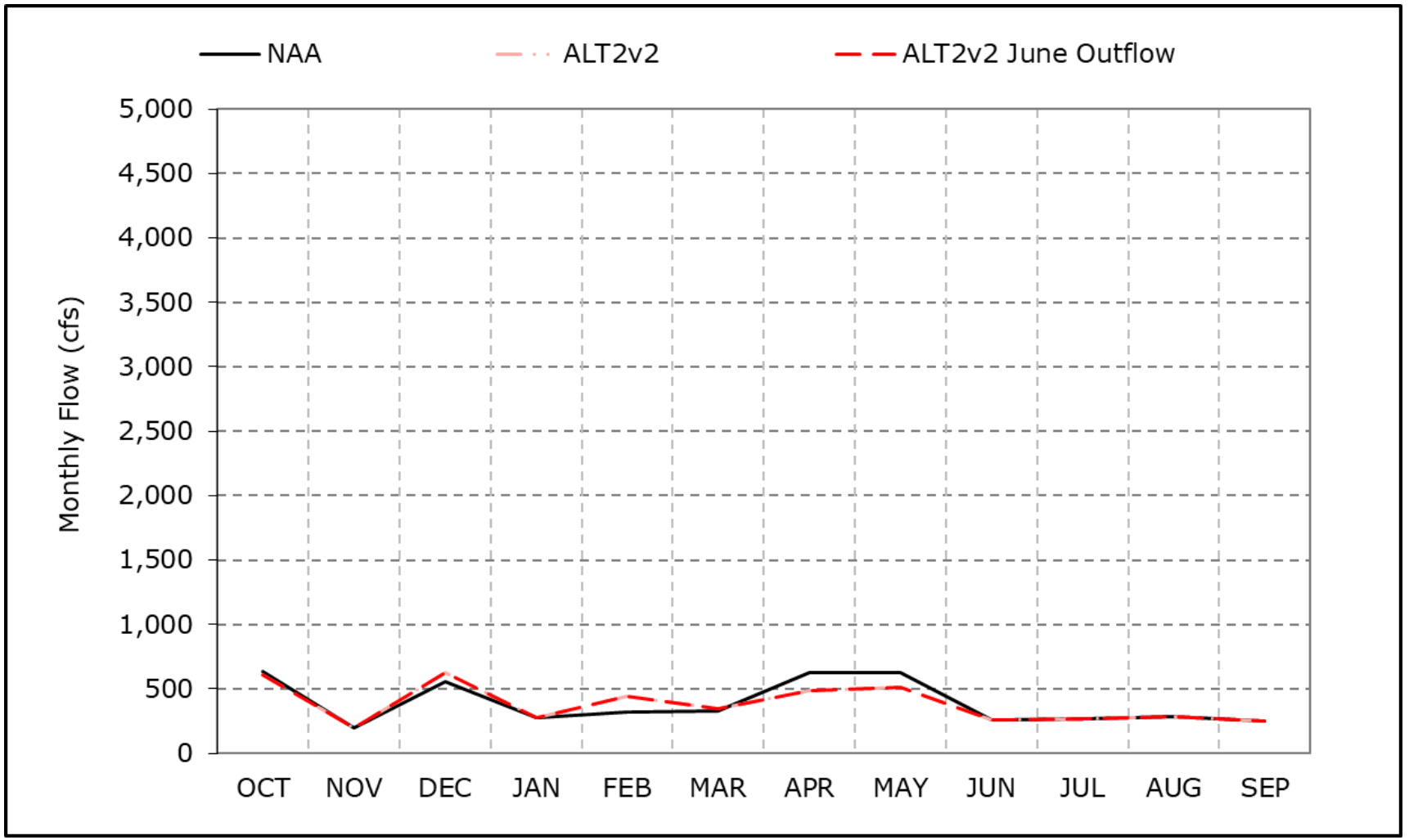
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-3. Stanislaus River Flow below Goodwin, Above Normal Year Average Flow



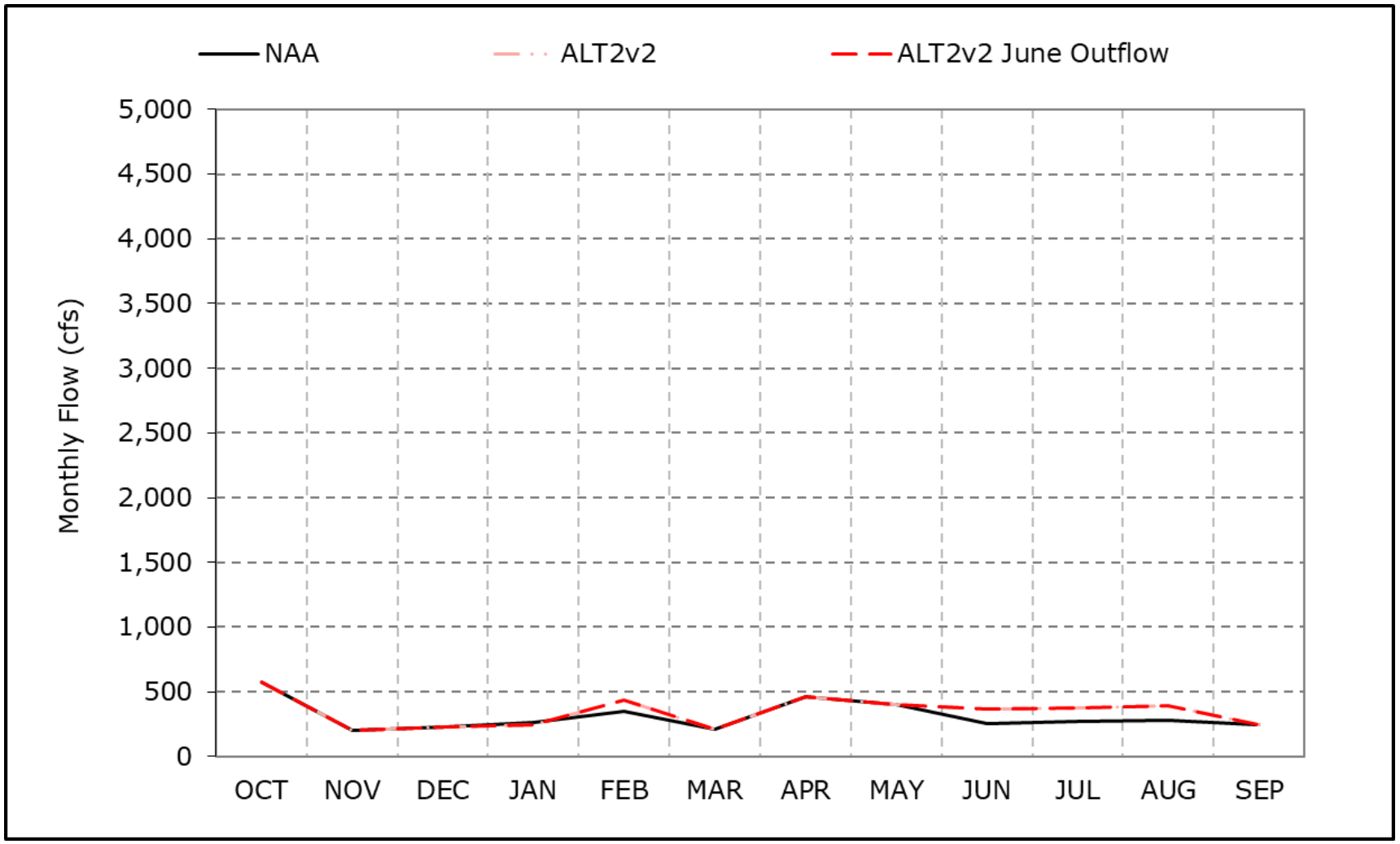
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-4. Stanislaus River Flow below Goodwin, Below Normal Year Average Flow



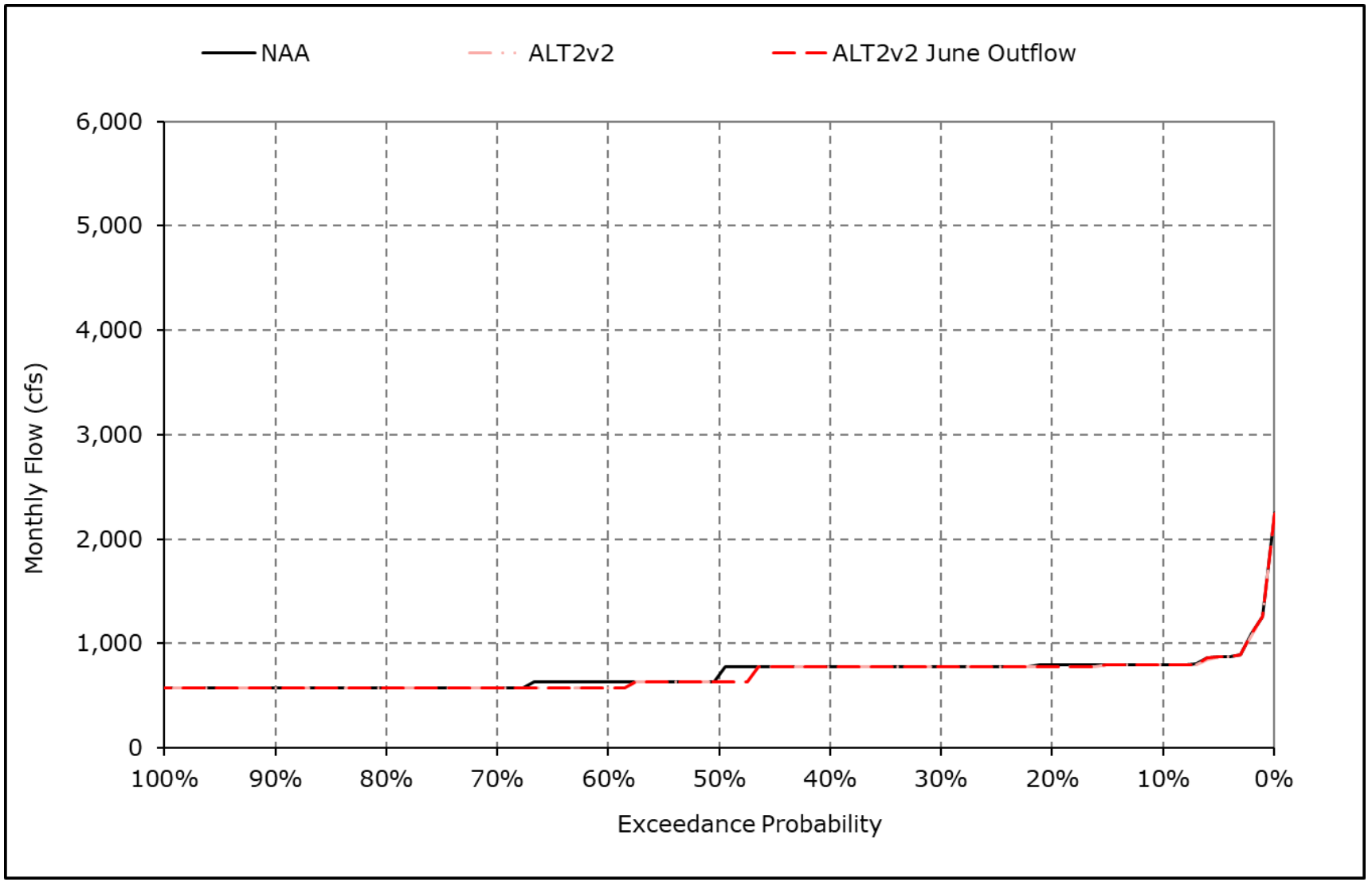
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-5. Stanislaus River Flow below Goodwin, Dry Year Average Flow



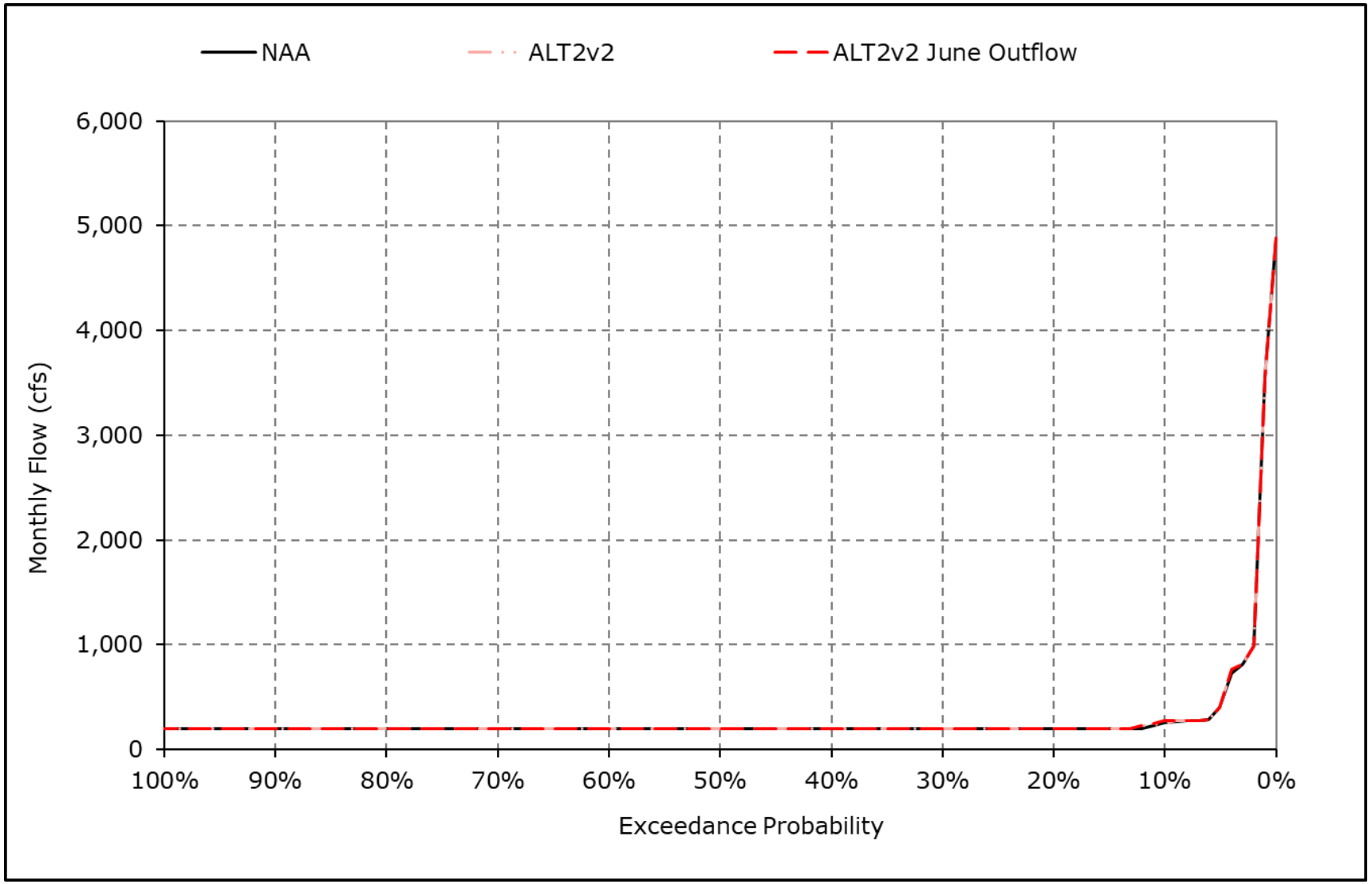
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-6. Stanislaus River Flow below Goodwin, Critical Year Average Flow



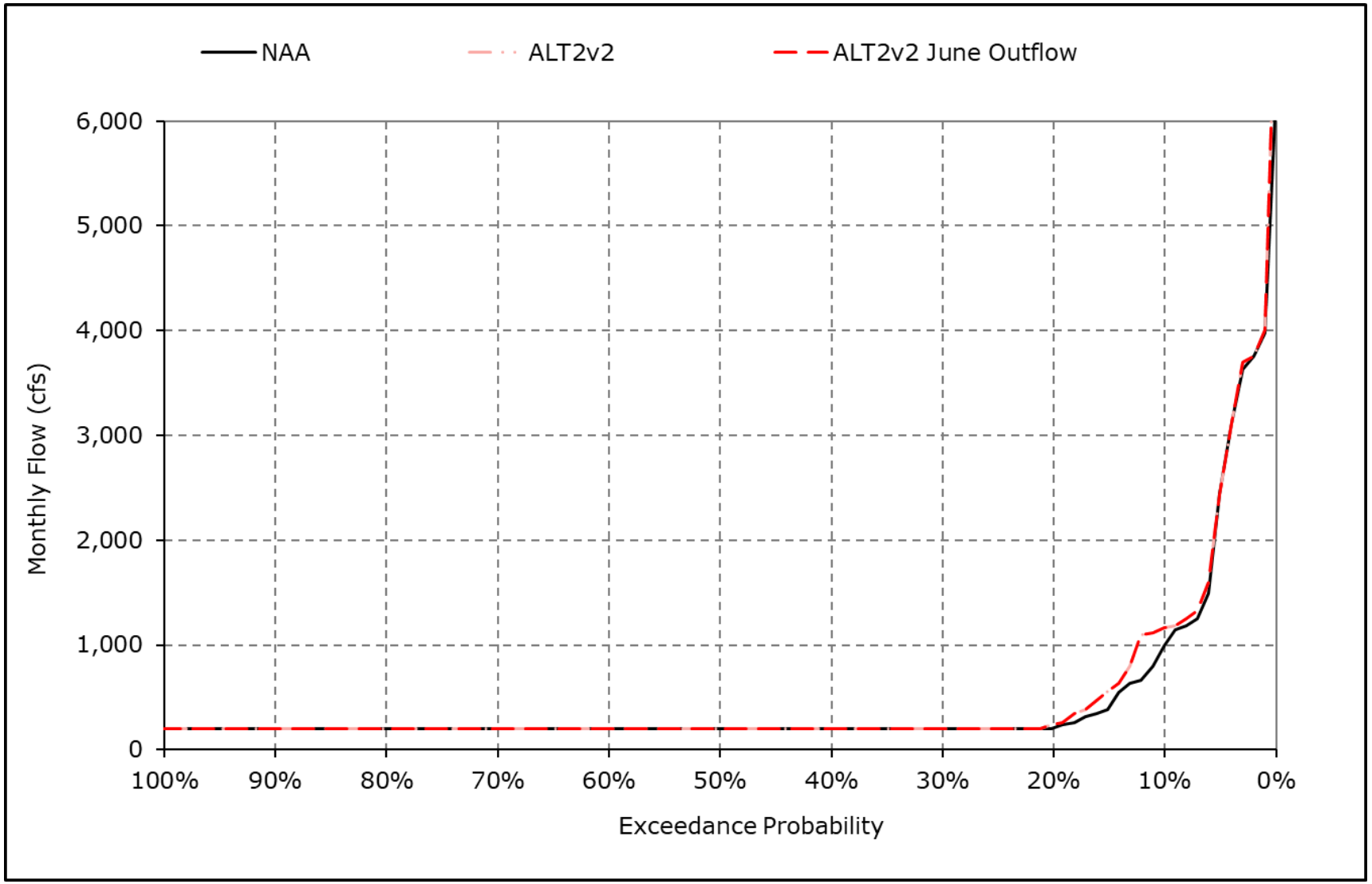
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-7. Stanislaus River Flow below Goodwin, October



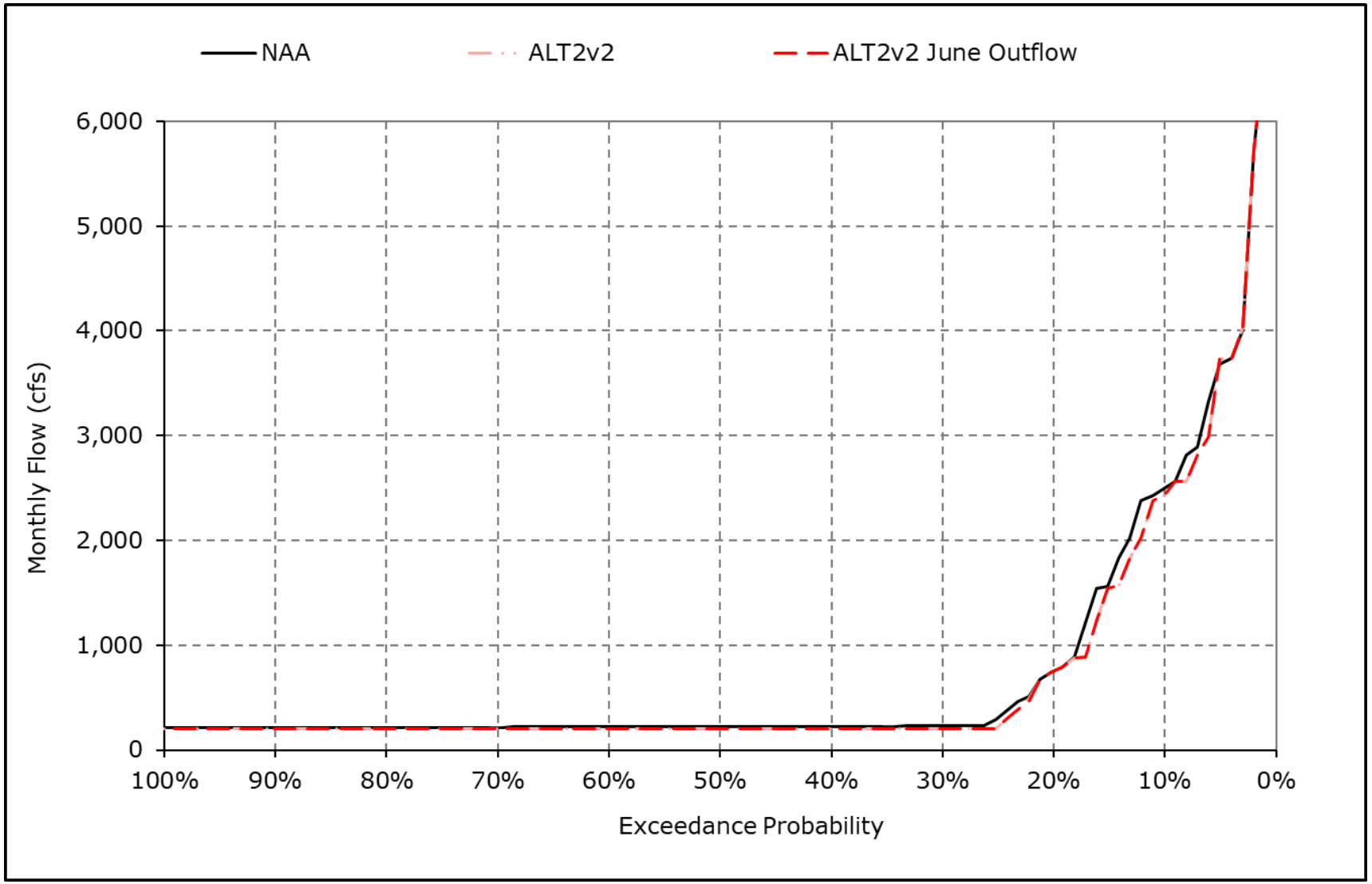
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-8. Stanislaus River Flow below Goodwin, November



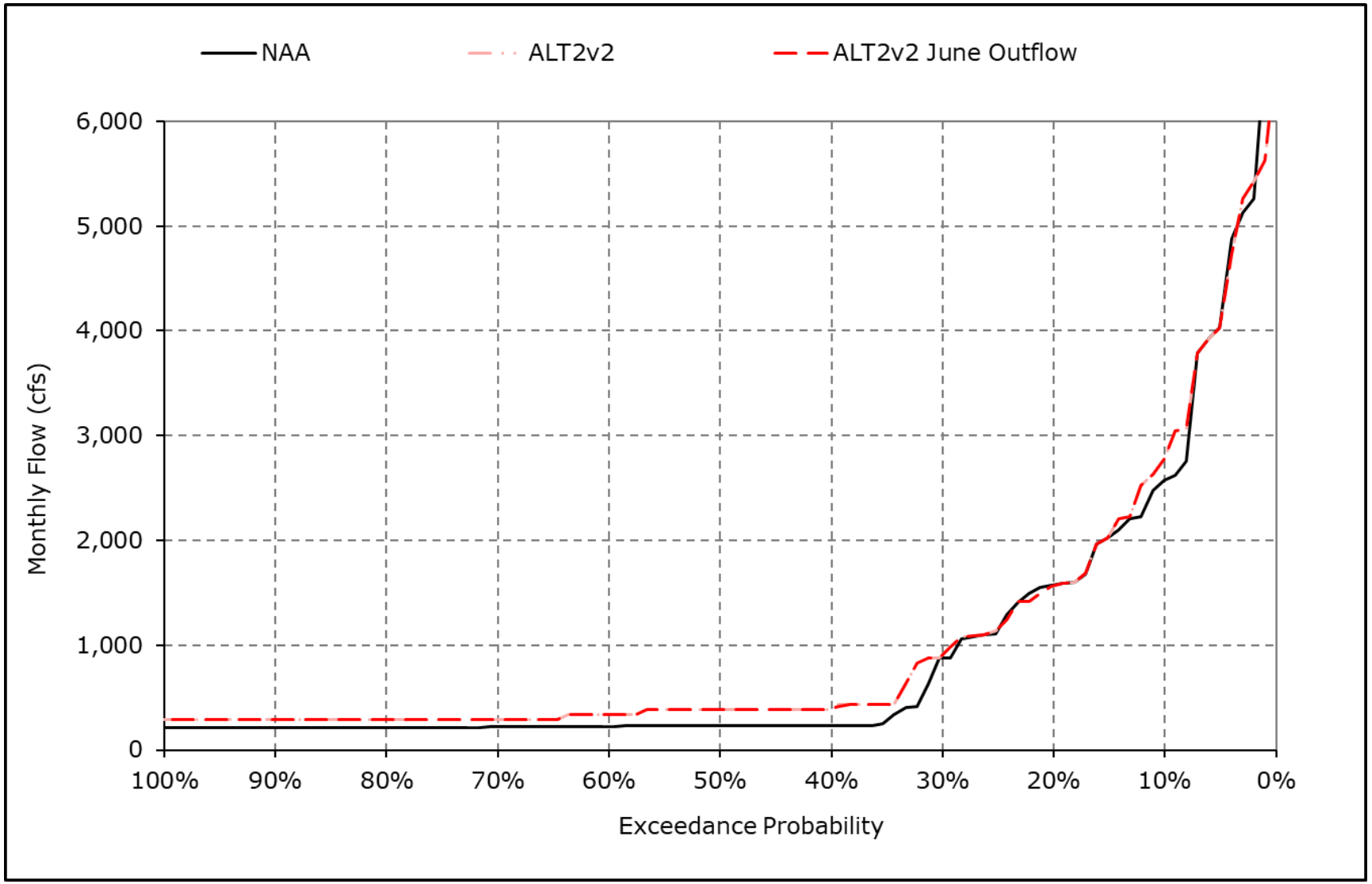
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-9. Stanislaus River Flow below Goodwin, December



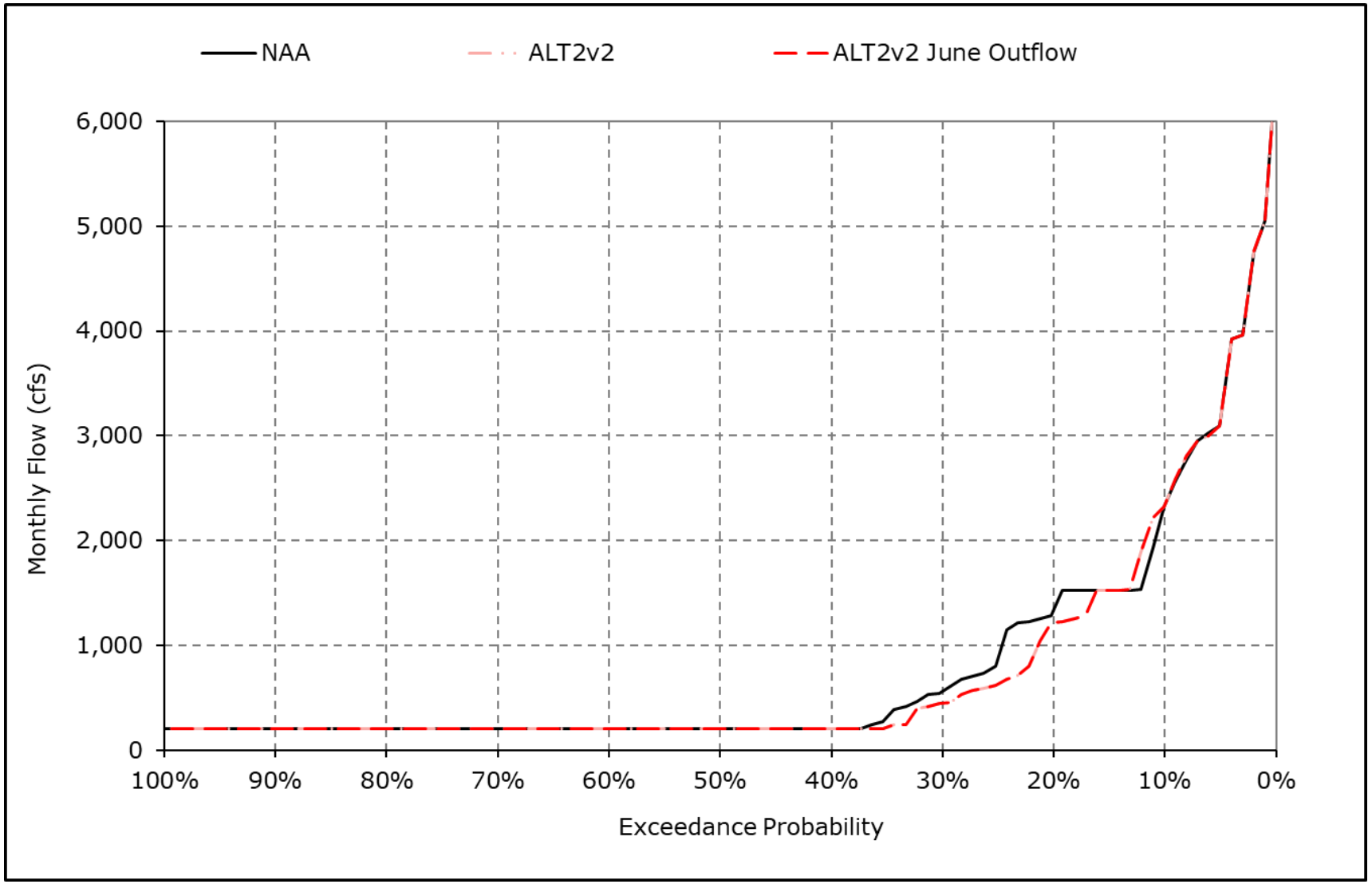
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-10. Stanislaus River Flow below Goodwin, January



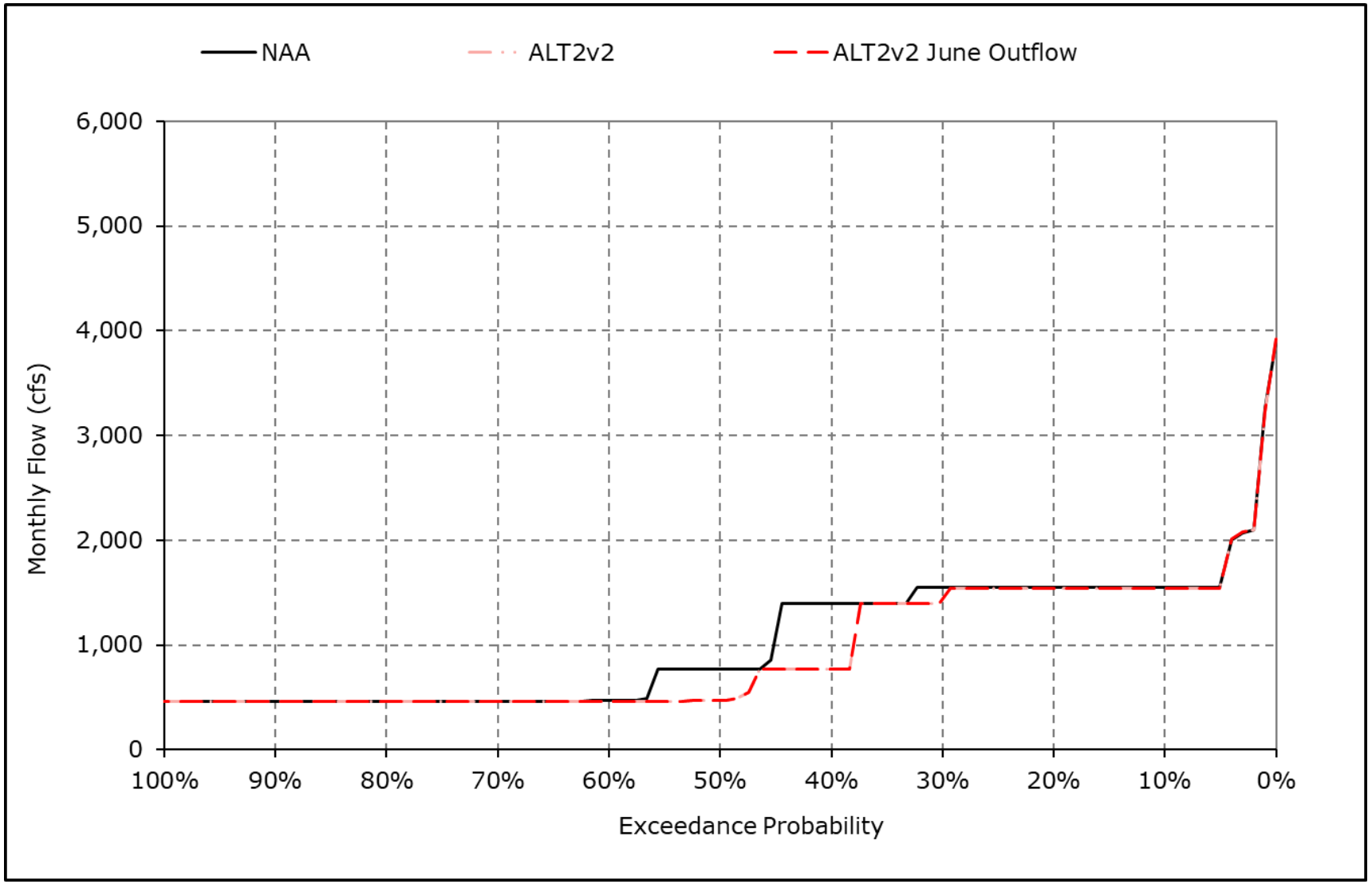
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-11. Stanislaus River Flow below Goodwin, February



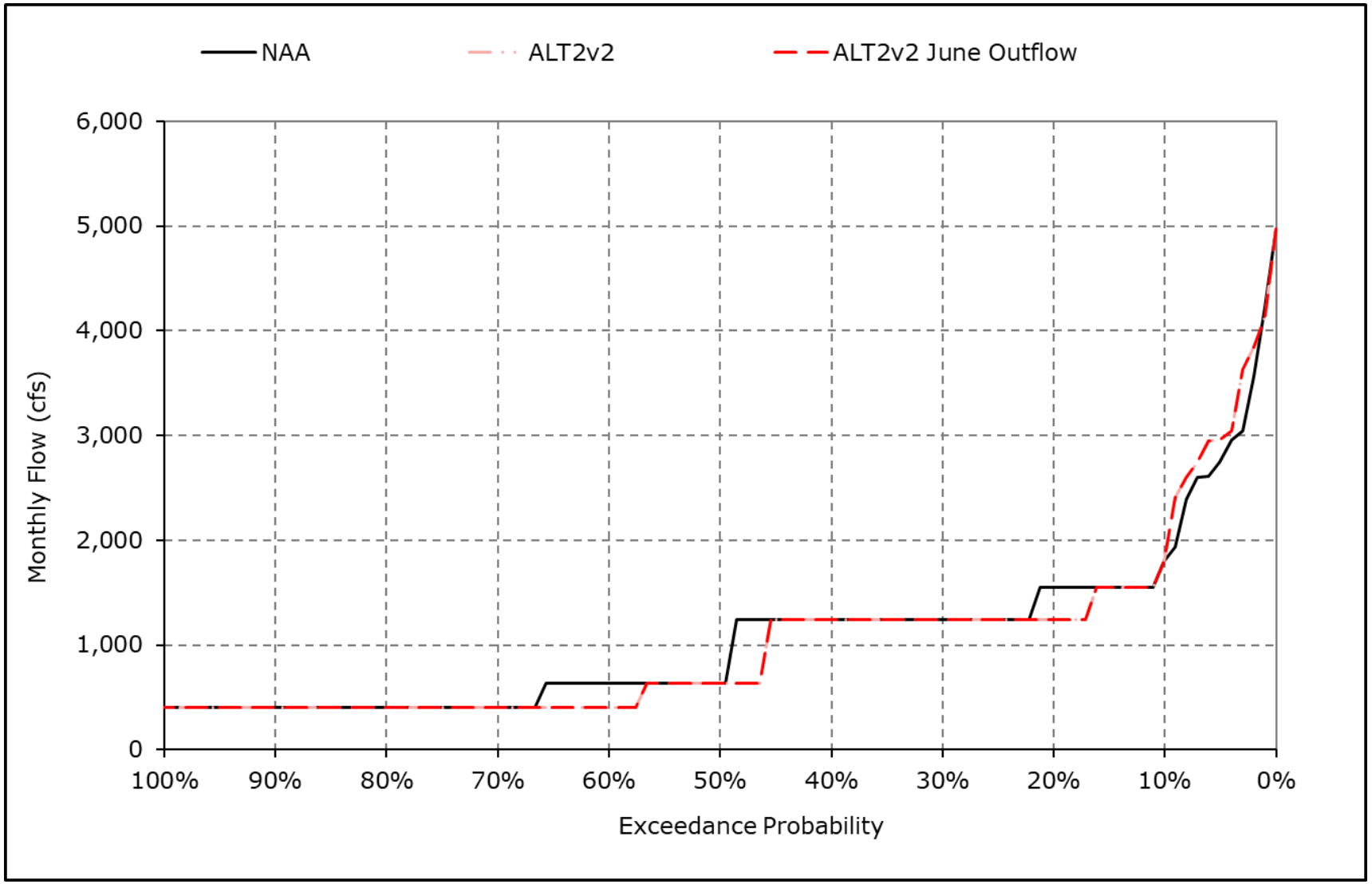
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-12. Stanislaus River Flow below Goodwin, March



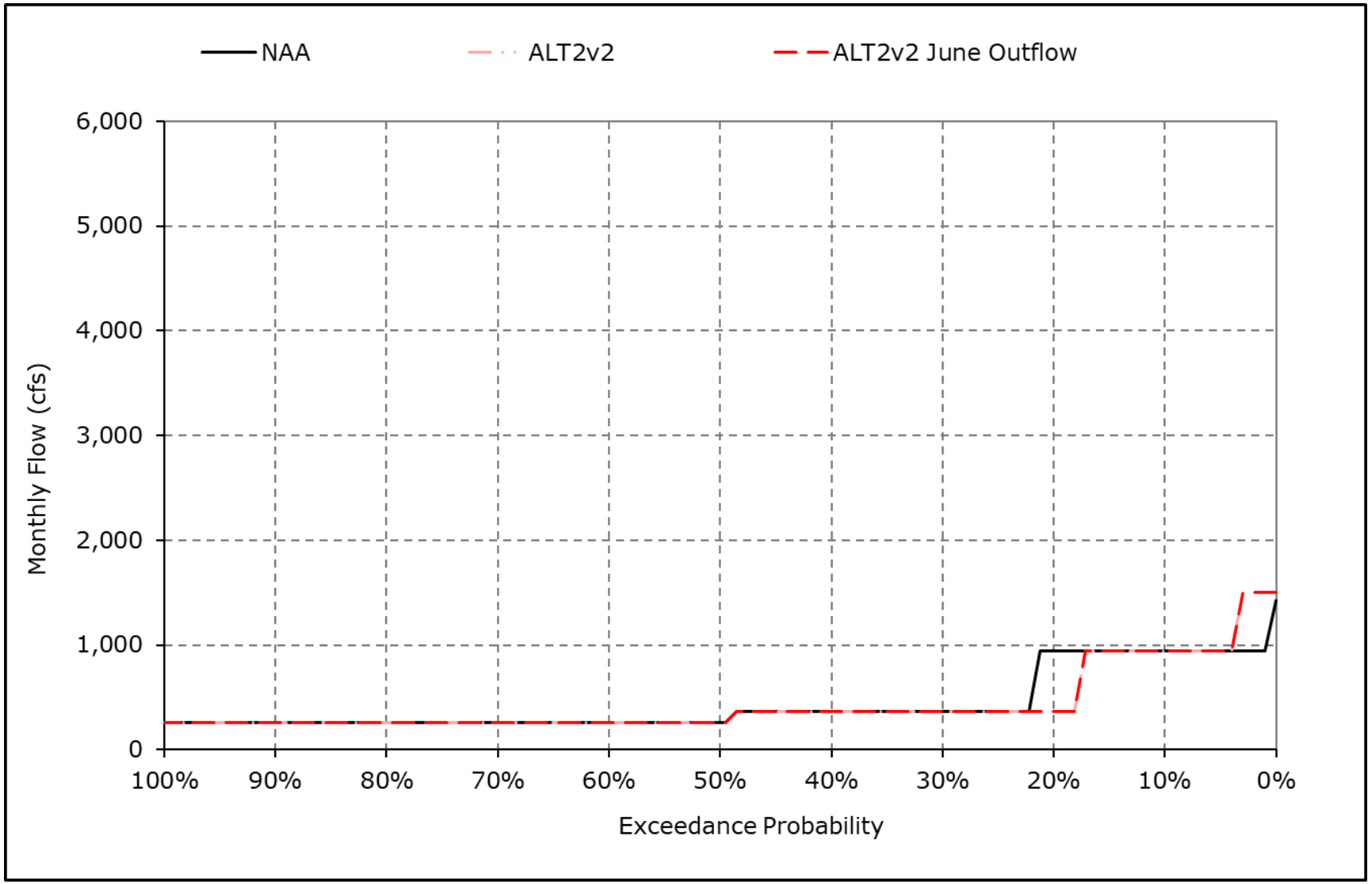
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-13. Stanislaus River Flow below Goodwin, April



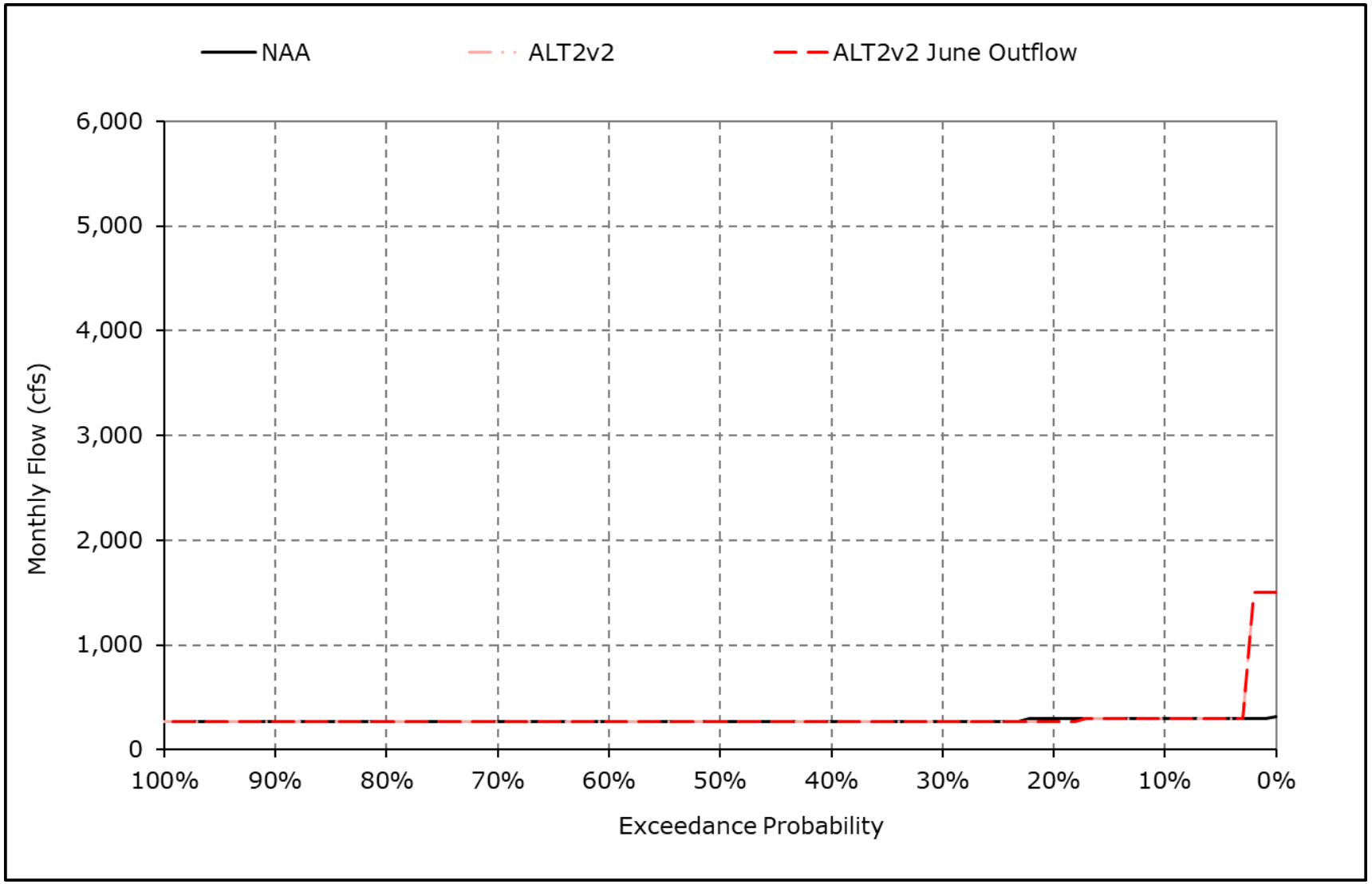
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-14. Stanislaus River Flow below Goodwin, May



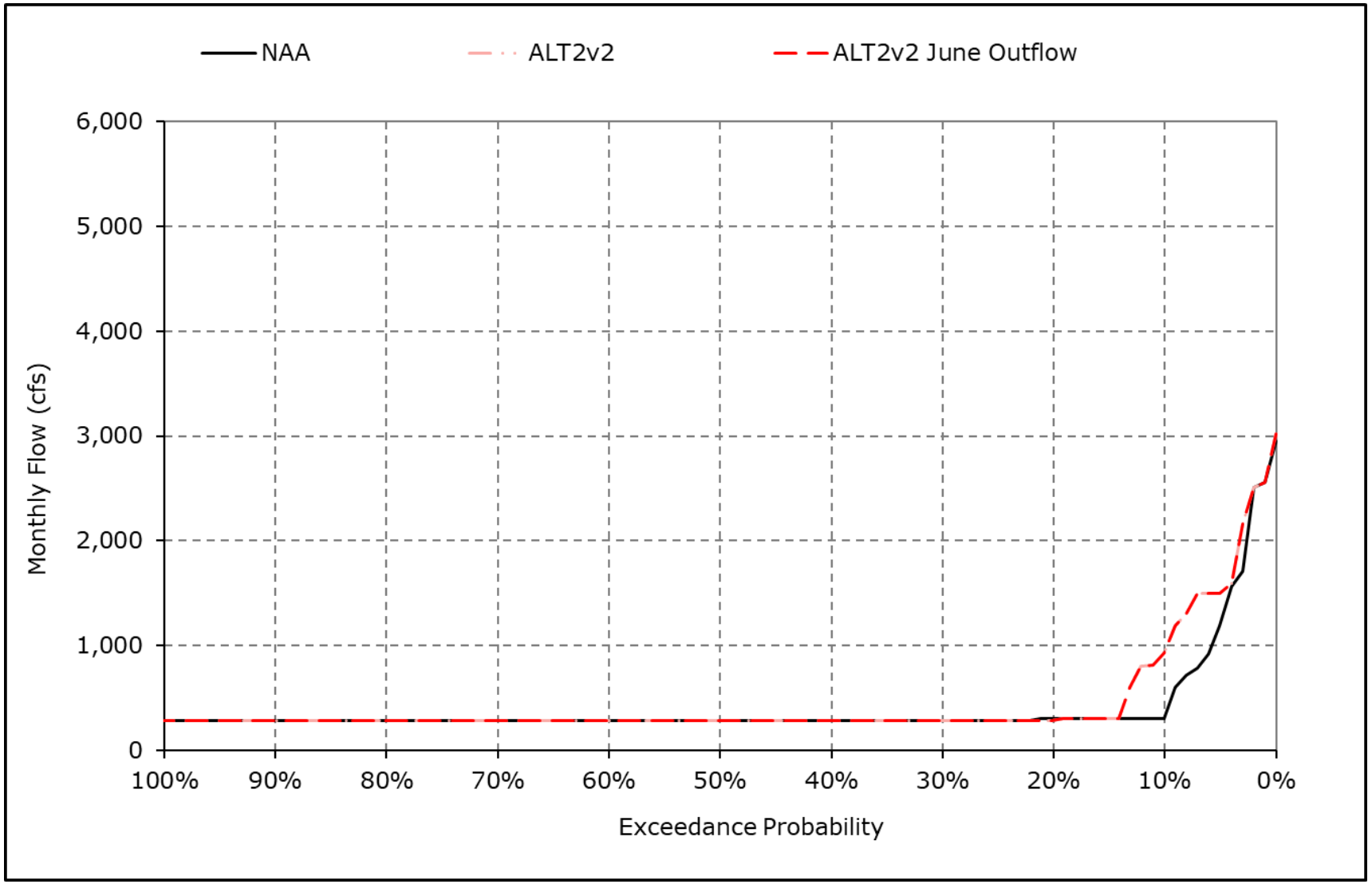
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-19-15. Stanislaus River Flow below Goodwin, June



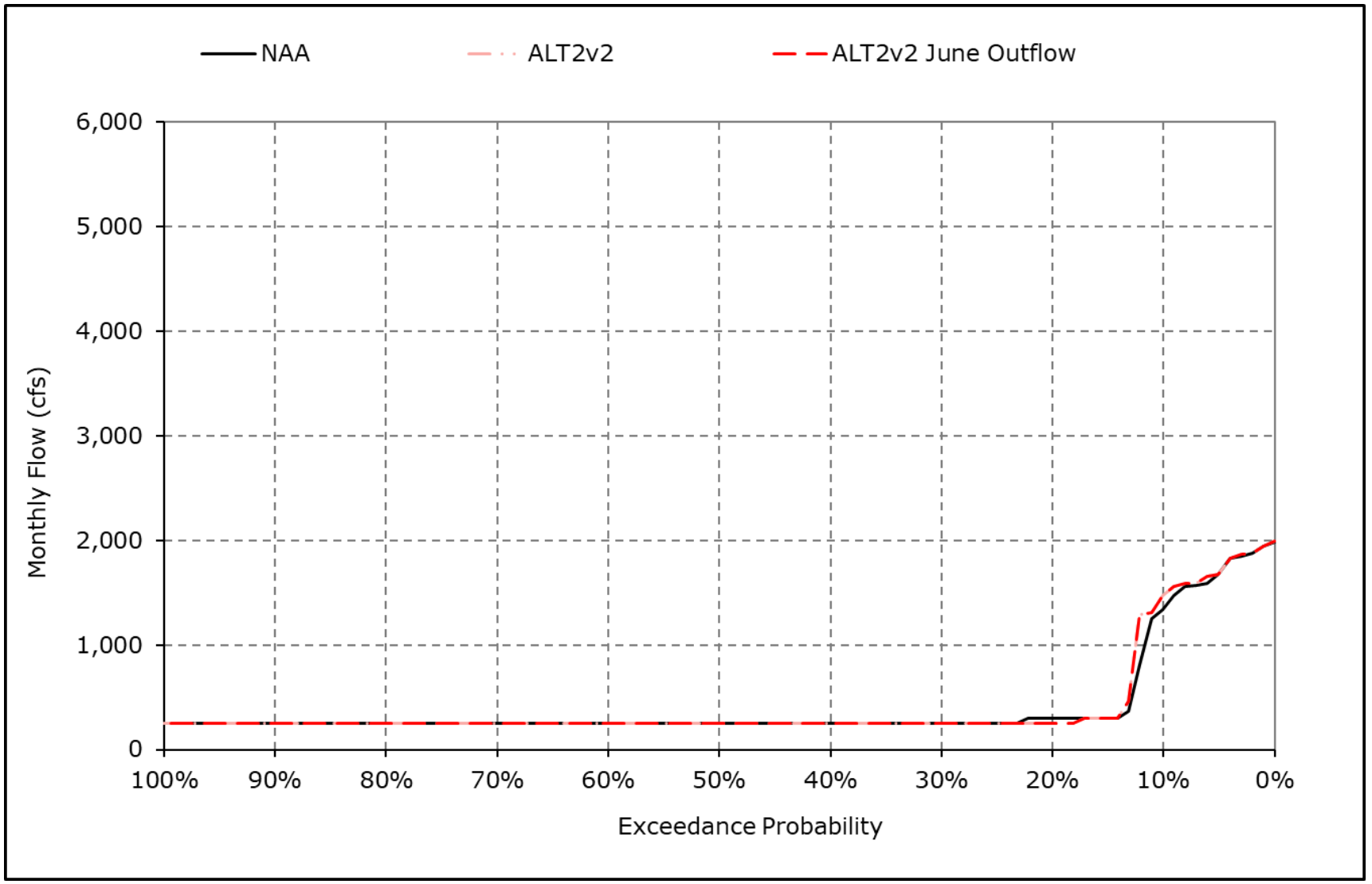
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-20-1c. Stanislaus River Flow at Mouth, ALT2v2 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.2.2-20-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

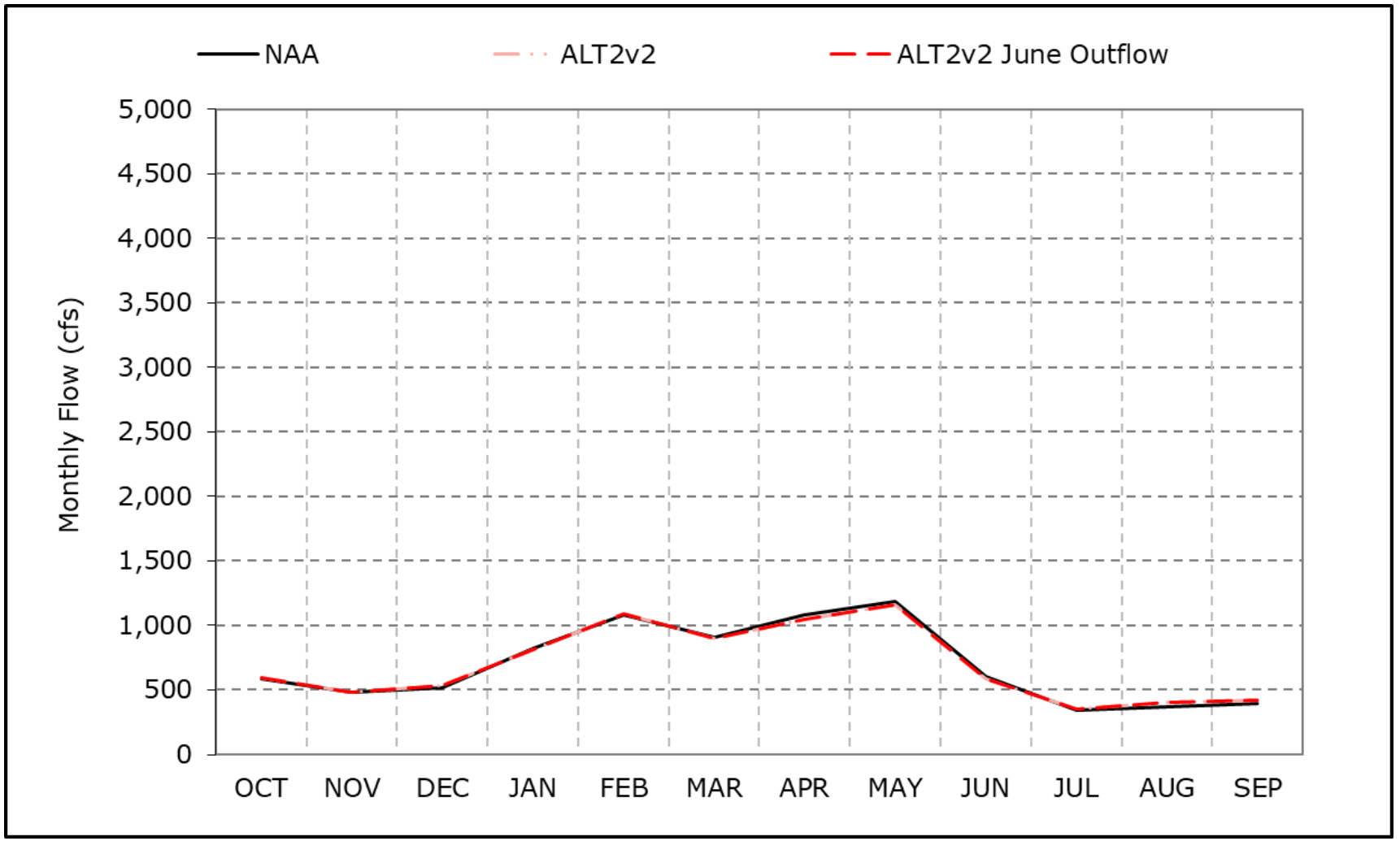
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	635	909	2,054	3,150	2,253	2,054	2,470	1,093	669	751	1,221
20% Exceedance	606	441	440	639	1,543	1,268	1,579	1,495	698	449	354	338
30% Exceedance	571	425	369	399	797	699	1,151	1,344	652	382	320	306
40% Exceedance	554	412	307	359	617	528	950	1,094	602	339	311	292
50% Exceedance	523	396	289	318	495	388	763	870	473	287	295	277
60% Exceedance	494	367	279	303	439	326	626	669	379	258	284	265
70% Exceedance	479	355	264	293	411	287	537	606	349	245	261	250
80% Exceedance	449	333	249	287	386	260	510	563	311	214	239	229
90% Exceedance	415	314	234	268	361	228	465	523	268	168	202	200
Full Simulation Period Average[a]	594	483	532	812	1,096	904	1,049	1,158	588	354	406	424
Wet Water Years (22%)	931	863	878	1,533	2,191	1,996	1,931	2,335	1,145	588	776	958
Above Normal Water Years (12%)	574	442	637	1,355	1,476	1,294	1,425	1,322	625	355	298	259
Below Normal Water Years (15%)	558	419	429	935	1,300	935	1,127	1,164	577	339	296	260
Dry Water Years (17%)	490	371	600	351	482	416	639	712	379	254	282	279
Critical Water Years (34%)	447	331	272	329	469	289	516	557	325	259	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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

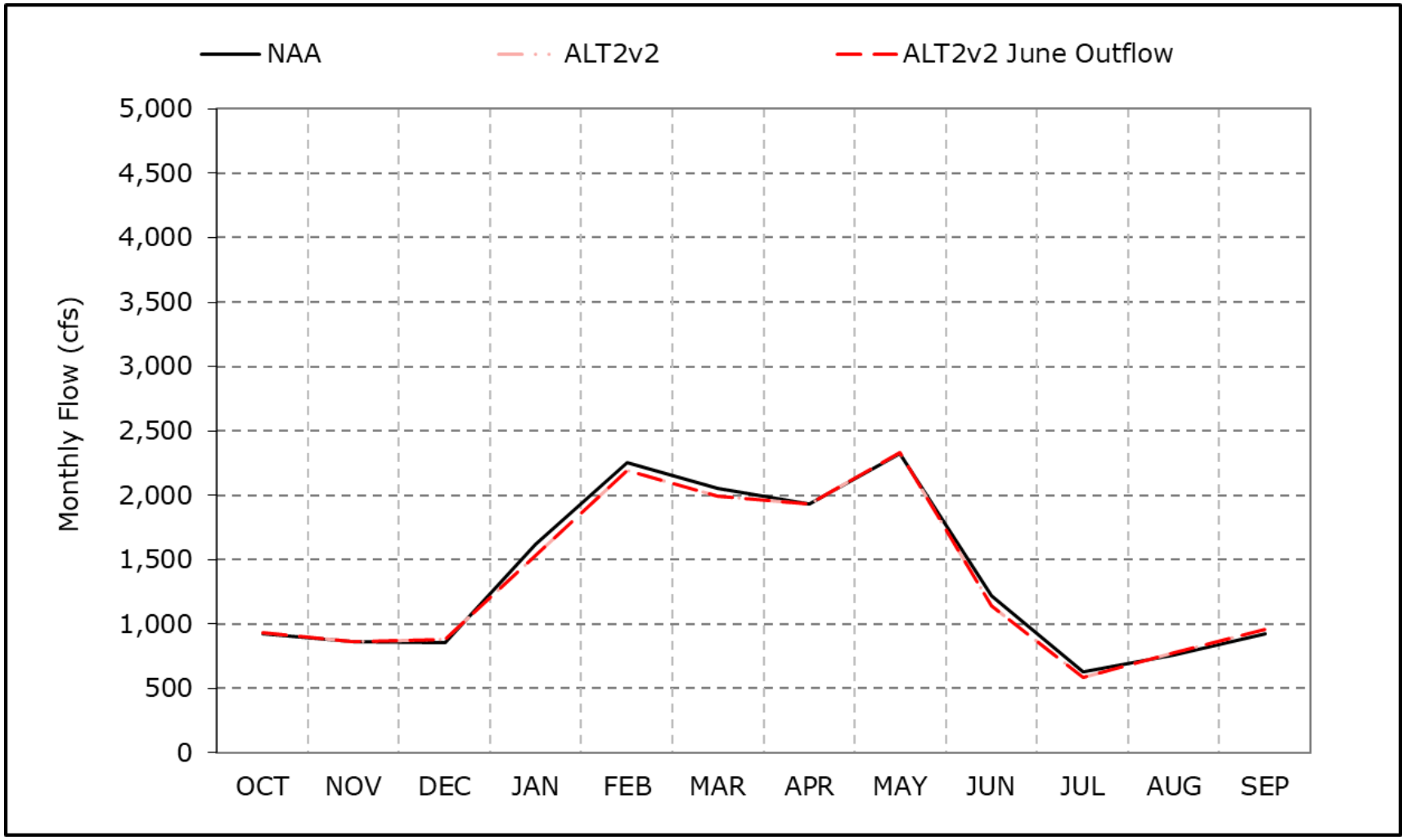
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	15	27	39	15	-95	25	196	-83	39	285	286
20% Exceedance	0	-11	31	-21	96	-103	-22	-42	-217	-57	-4	16
30% Exceedance	-3	-3	16	-12	34	-42	-164	-37	1	4	1	9
40% Exceedance	0	-5	-1	-5	69	25	-66	-154	-1	-2	8	14
50% Exceedance	-6	-4	-5	-15	53	21	-76	-126	-7	2	6	10
60% Exceedance	-2	-3	0	-13	45	33	-16	-93	-23	1	9	8
70% Exceedance	1	1	1	-12	42	26	-3	-30	1	0	6	10
80% Exceedance	14	5	3	-6	40	17	13	5	21	11	10	3
90% Exceedance	9	2	0	-8	36	16	5	8	28	27	10	5
Full Simulation Period Average[a]	4	1	19	-13	16	-1	-30	-33	-14	14	36	25
Wet Water Years (22%)	7	3	23	-85	-65	-58	-2	12	-78	-43	20	33
Above Normal Water Years (12%)	1	2	11	40	64	25	-29	-20	-5	-1	0	3
Below Normal Water Years (15%)	-11	-8	13	16	12	-19	-145	-110	-37	-14	0	6
Dry Water Years (17%)	-8	-6	52	4	55	34	-43	-109	-41	-8	12	20
Critical Water Years (34%)	16	7	4	-6	34	18	10	4	47	78	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.



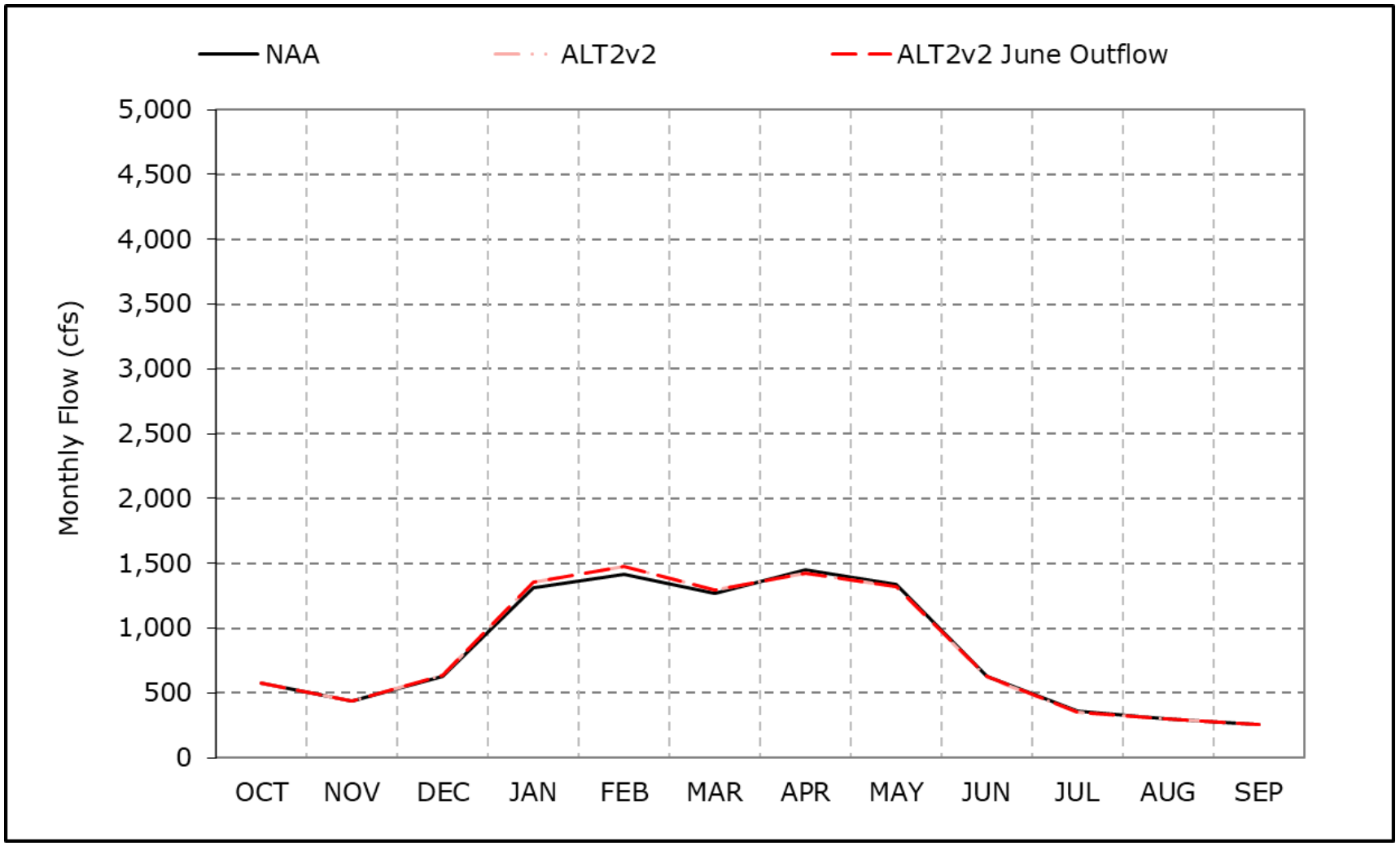
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-1. Stanislaus River Flow at Mouth, Long-Term Average Flow



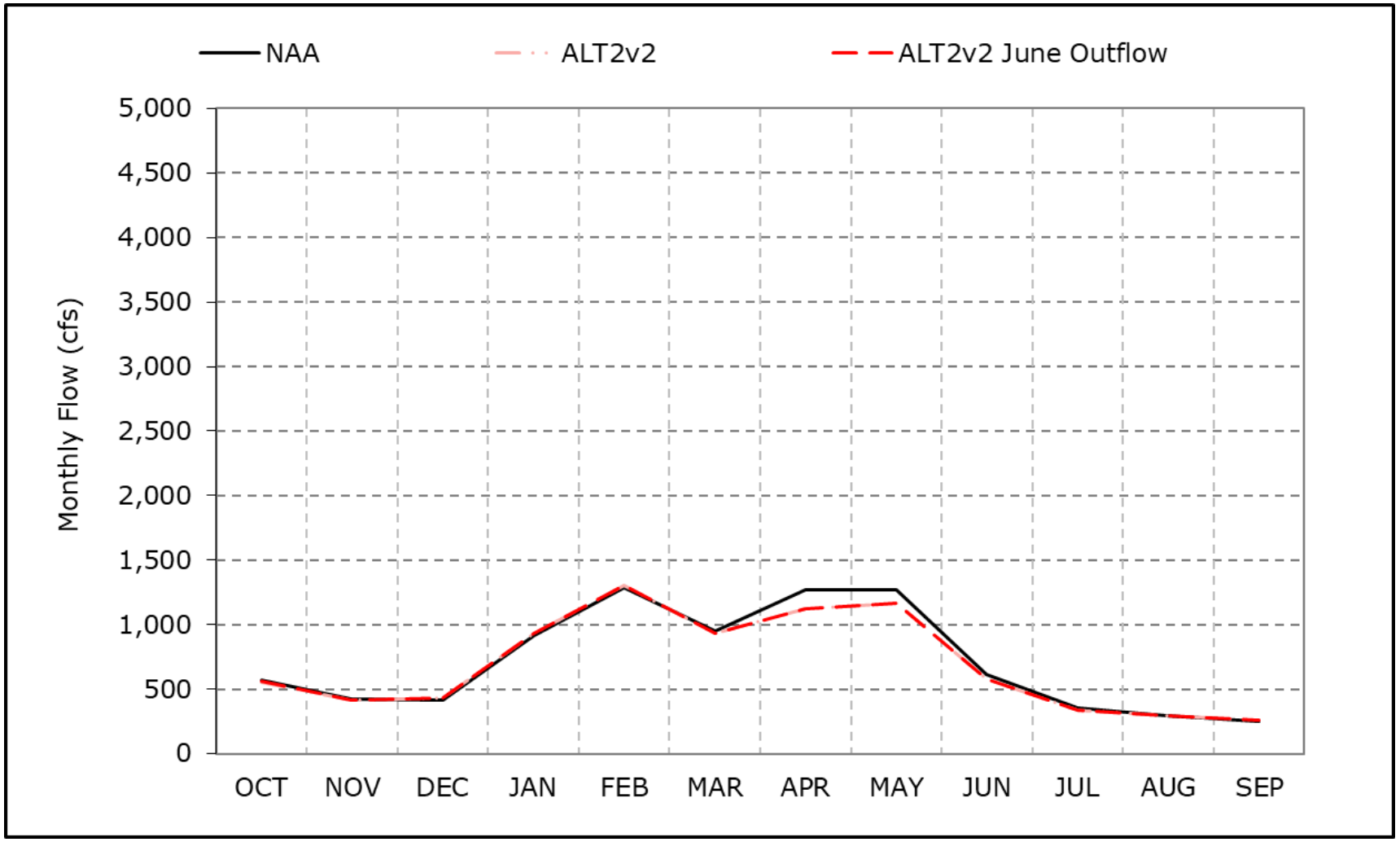
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-2. Stanislaus River Flow at Mouth, Wet Year Average Flow



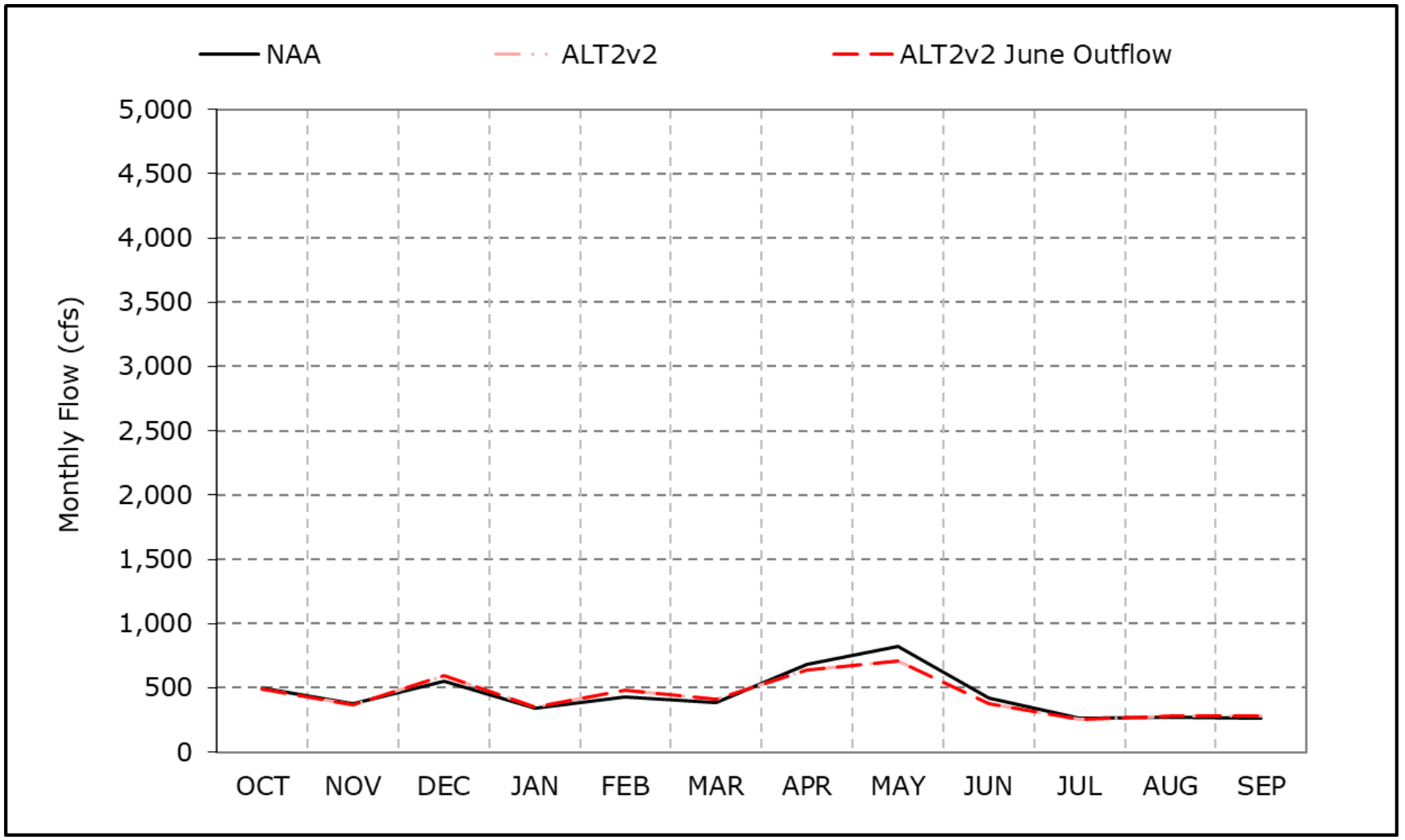
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-3. Stanislaus River Flow at Mouth, Above Normal Year Average Flow



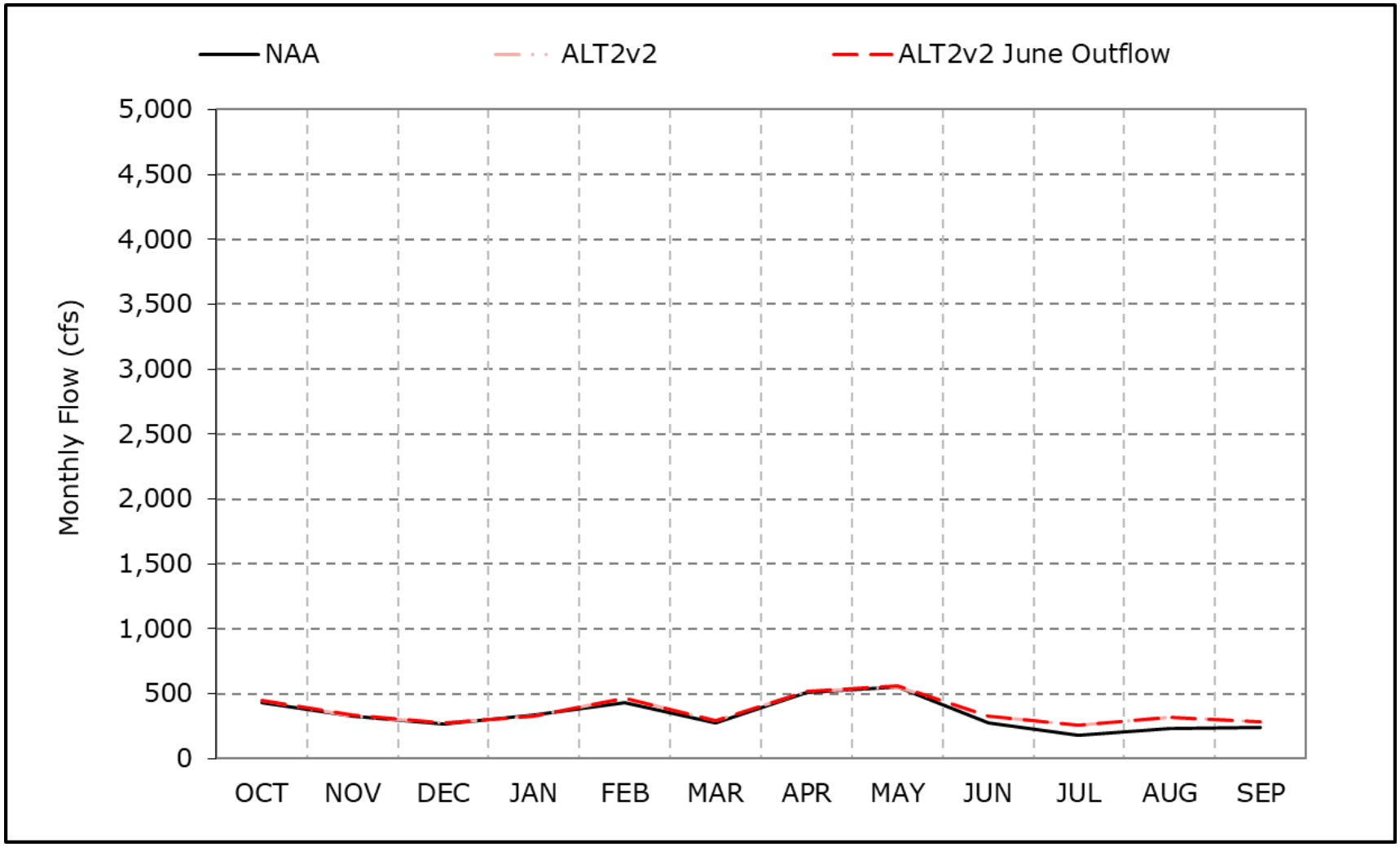
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-4. Stanislaus River Flow at Mouth, Below Normal Year Average Flow



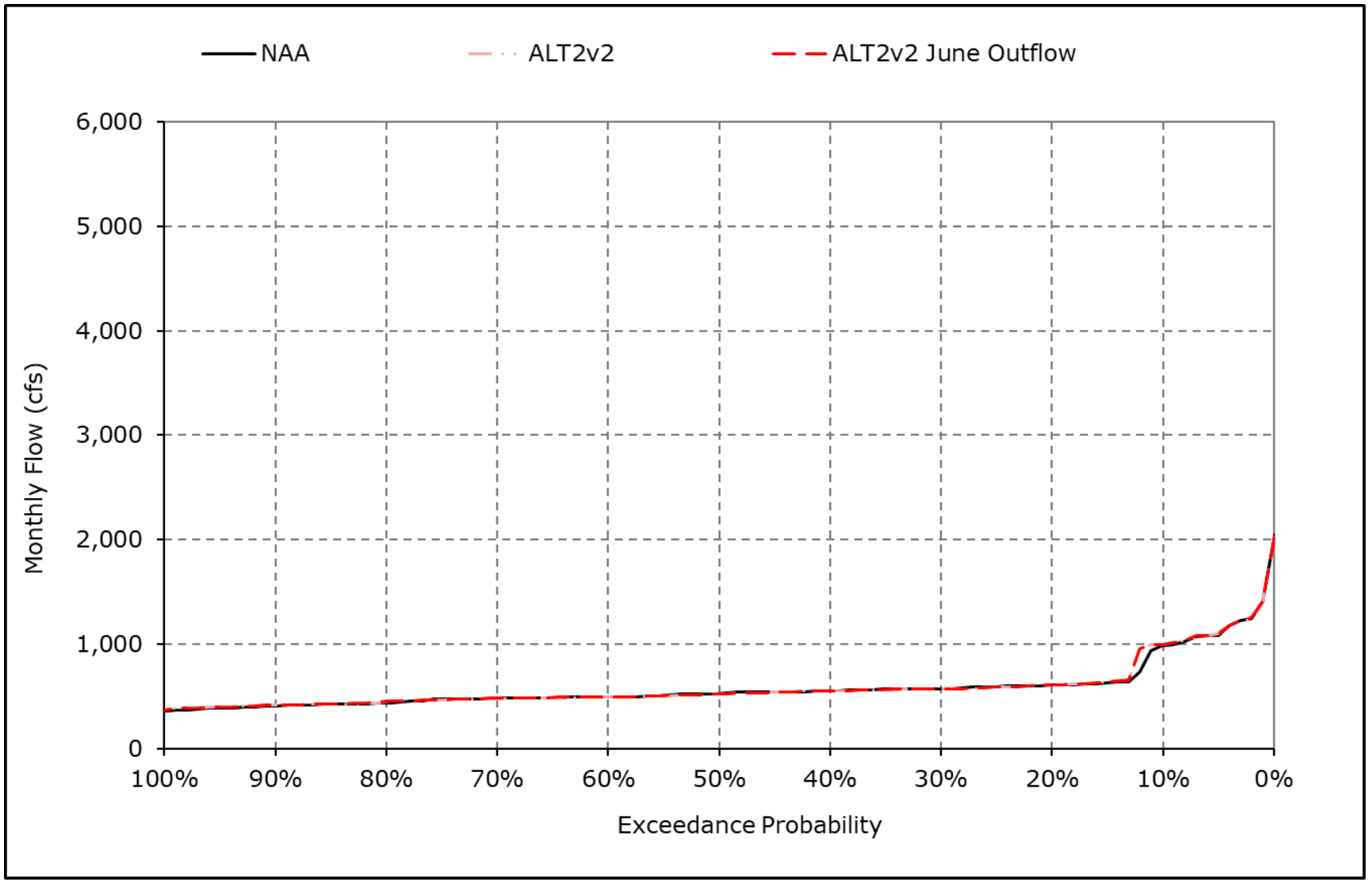
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-5. Stanislaus River Flow at Mouth, Dry Year Average Flow



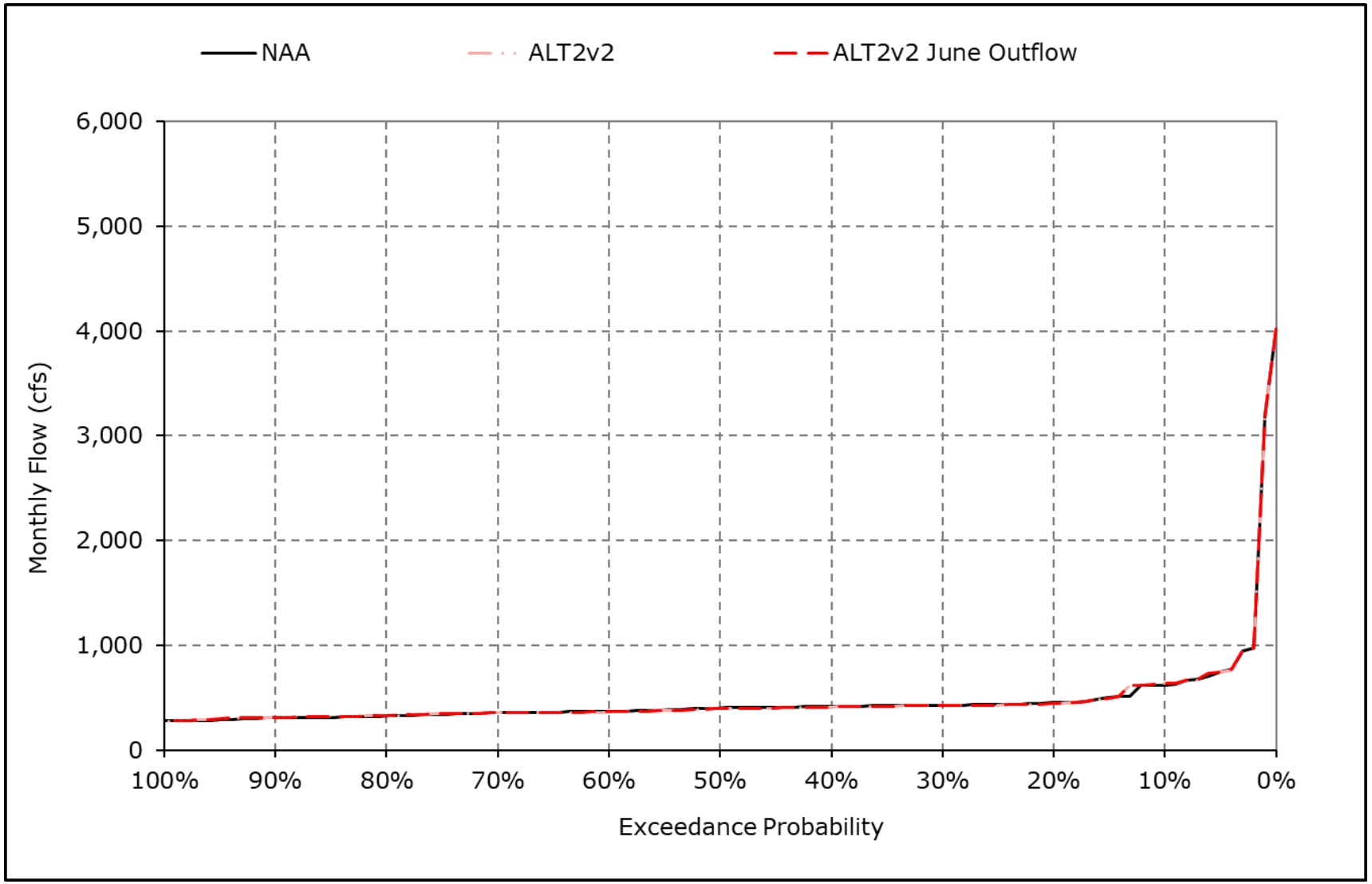
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-6. Stanislaus River Flow at Mouth, Critical Year Average Flow



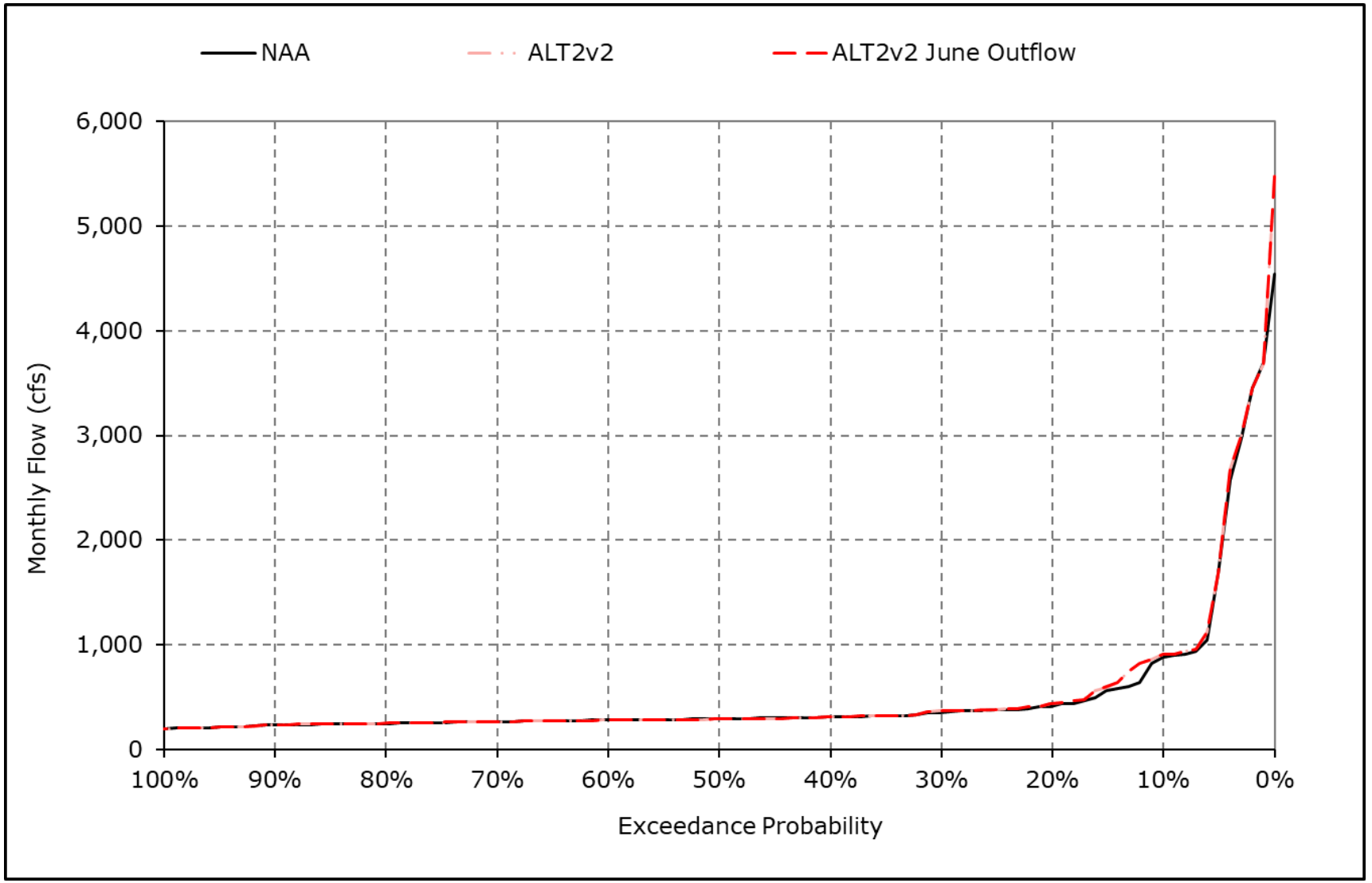
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-7. Stanislaus River Flow at Mouth, October



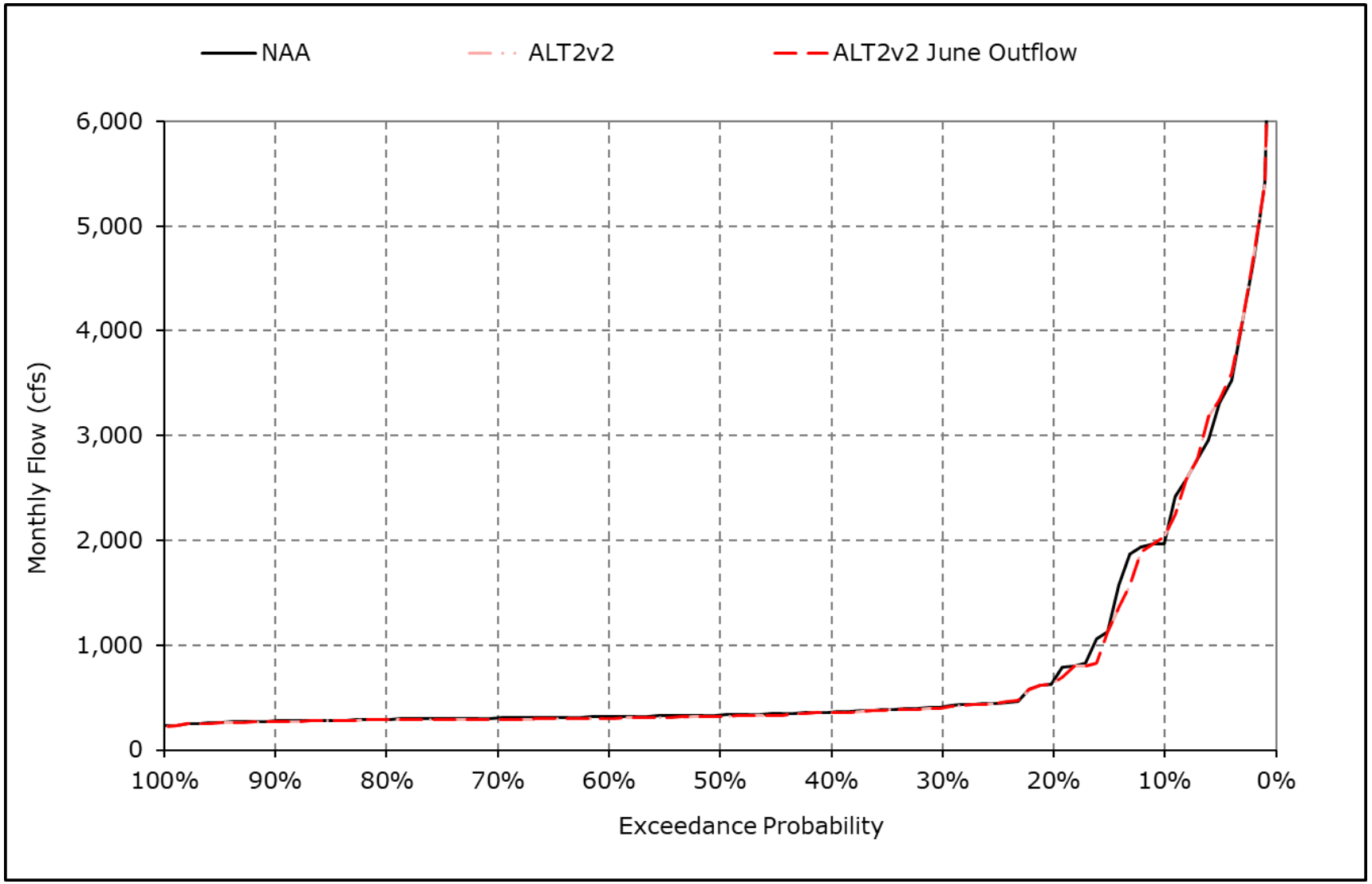
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-8. Stanislaus River Flow at Mouth, November



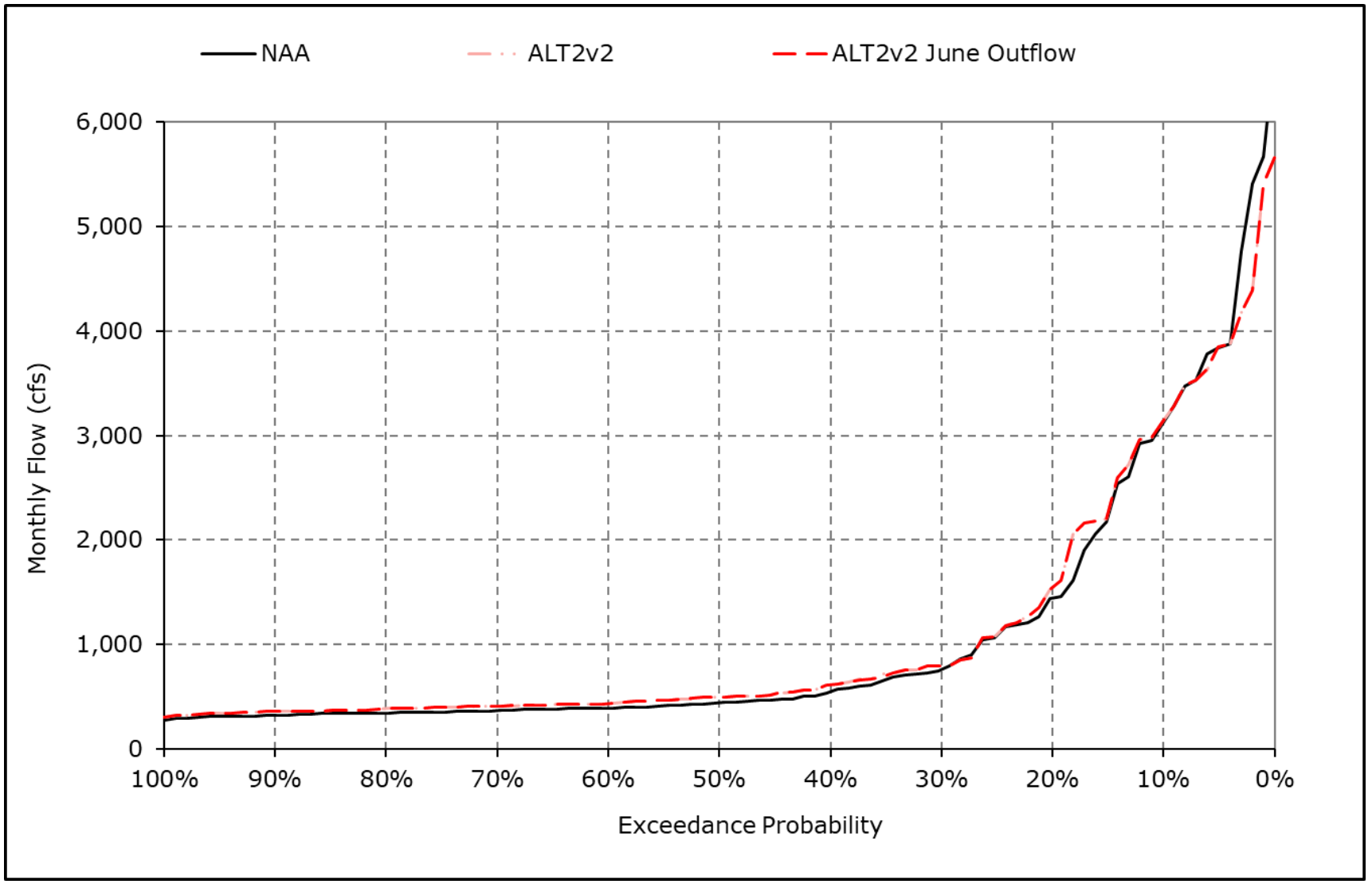
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-9. Stanislaus River Flow at Mouth, December



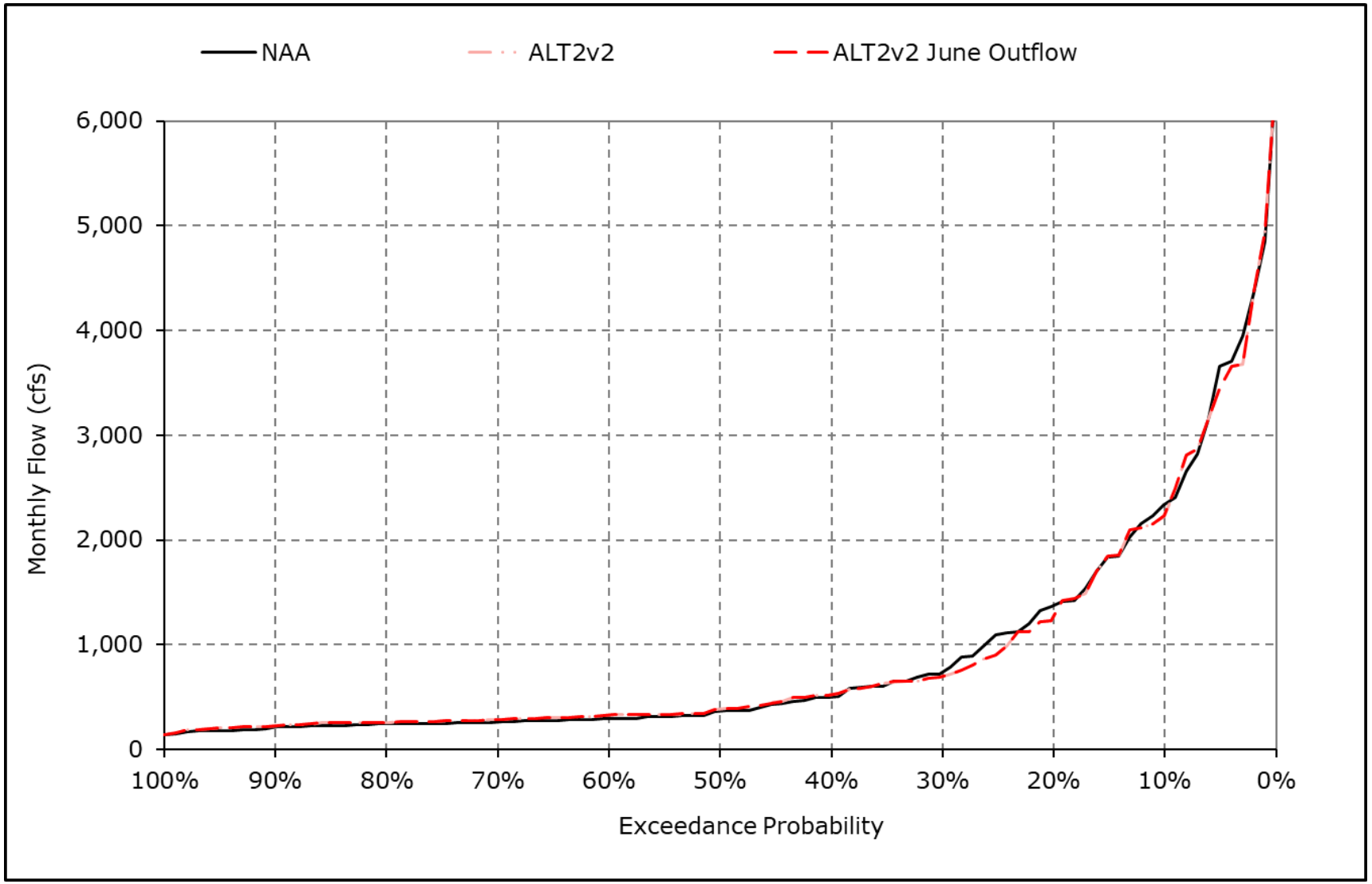
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-10. Stanislaus River Flow at Mouth, January



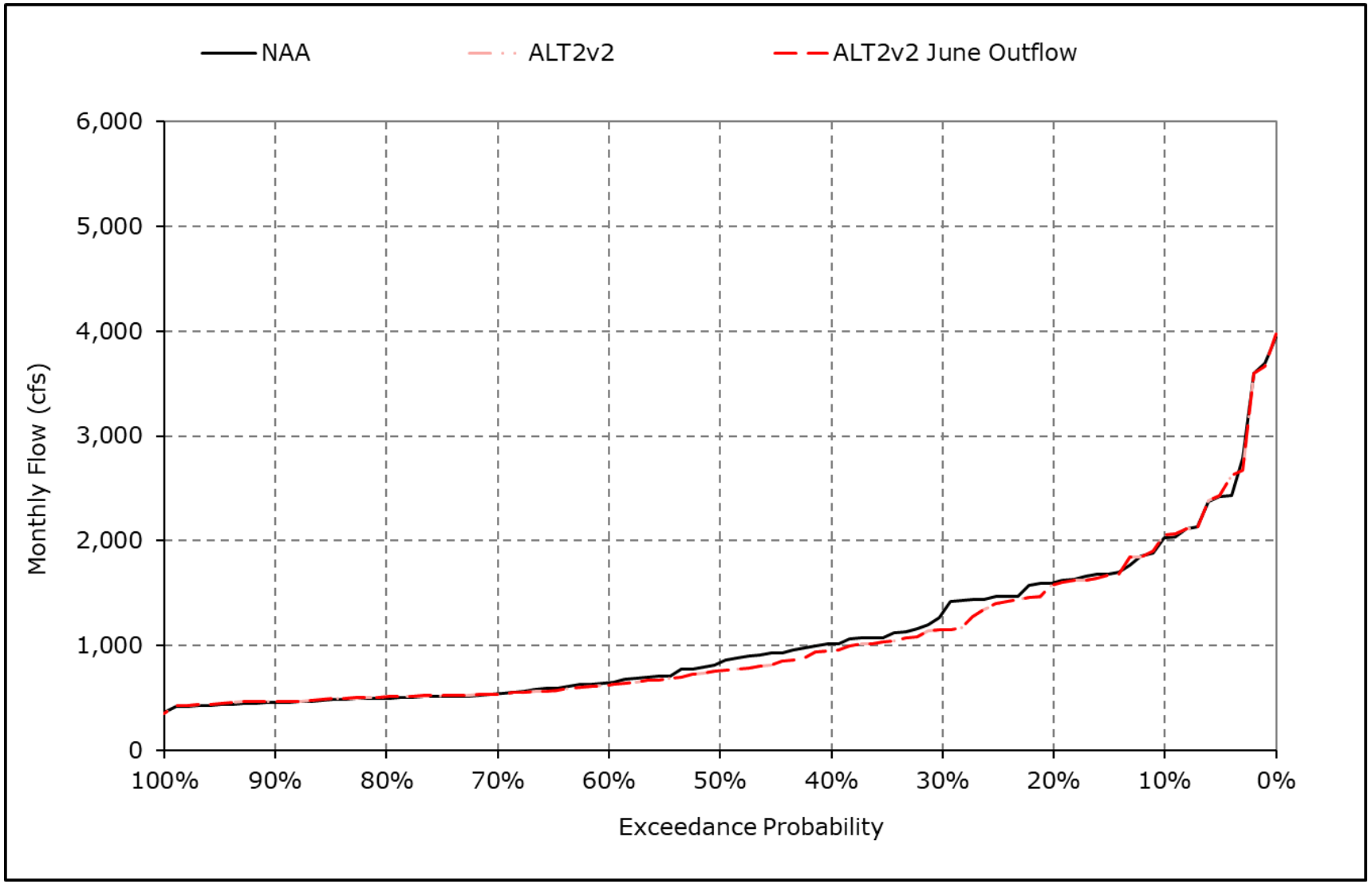
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-11. Stanislaus River Flow at Mouth, February



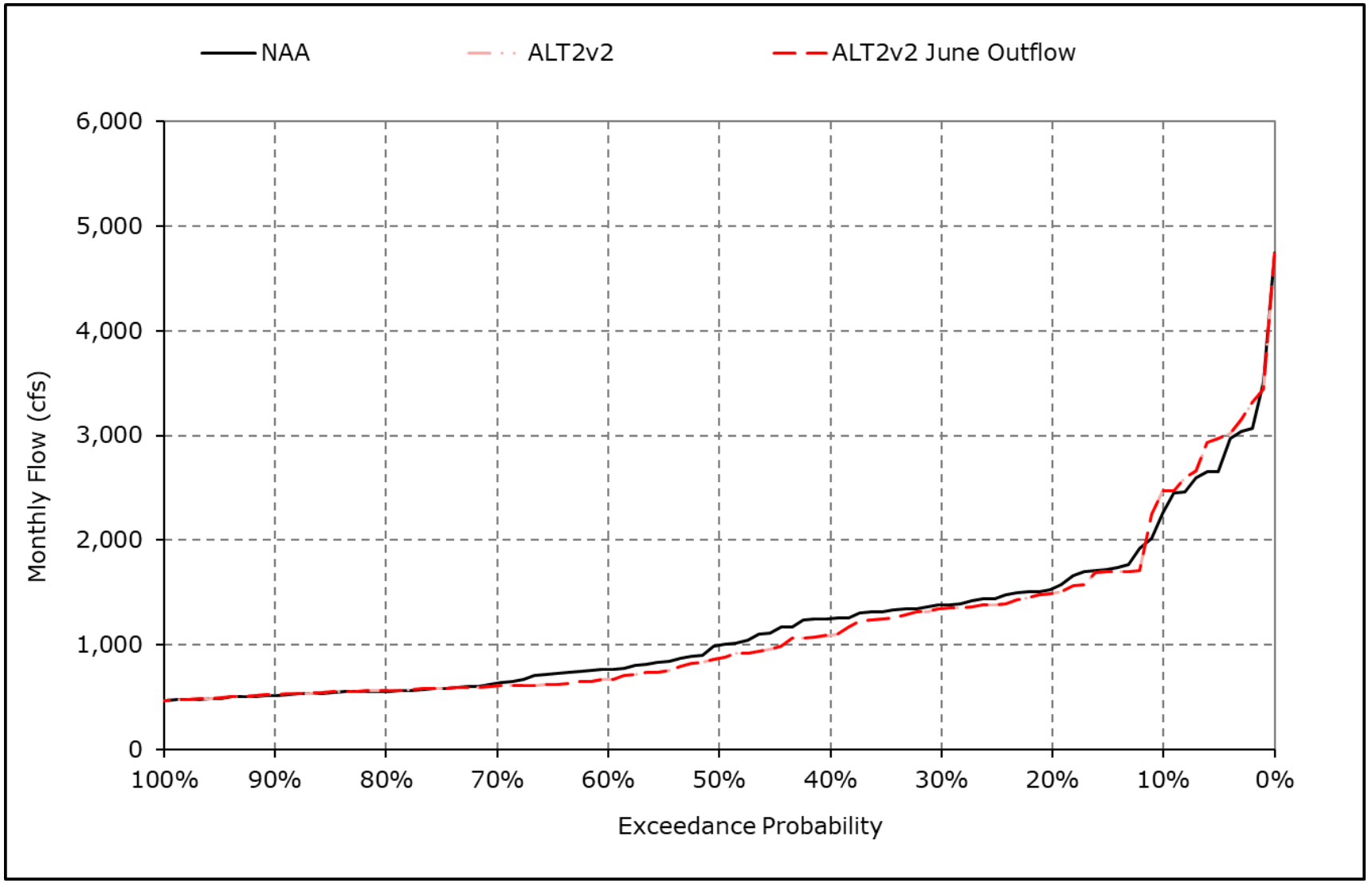
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-12. Stanislaus River Flow at Mouth, March



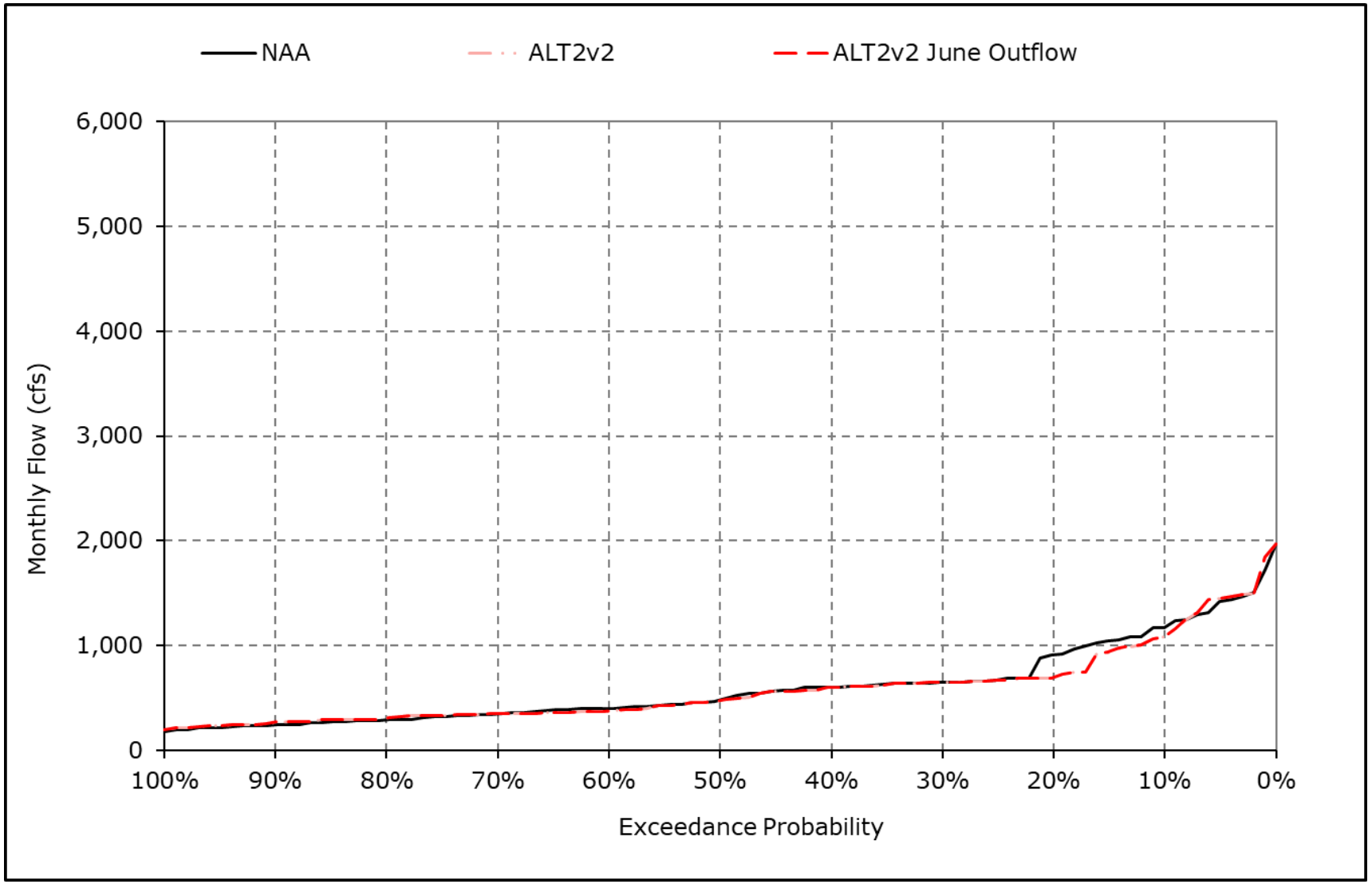
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-13. Stanislaus River Flow at Mouth, April



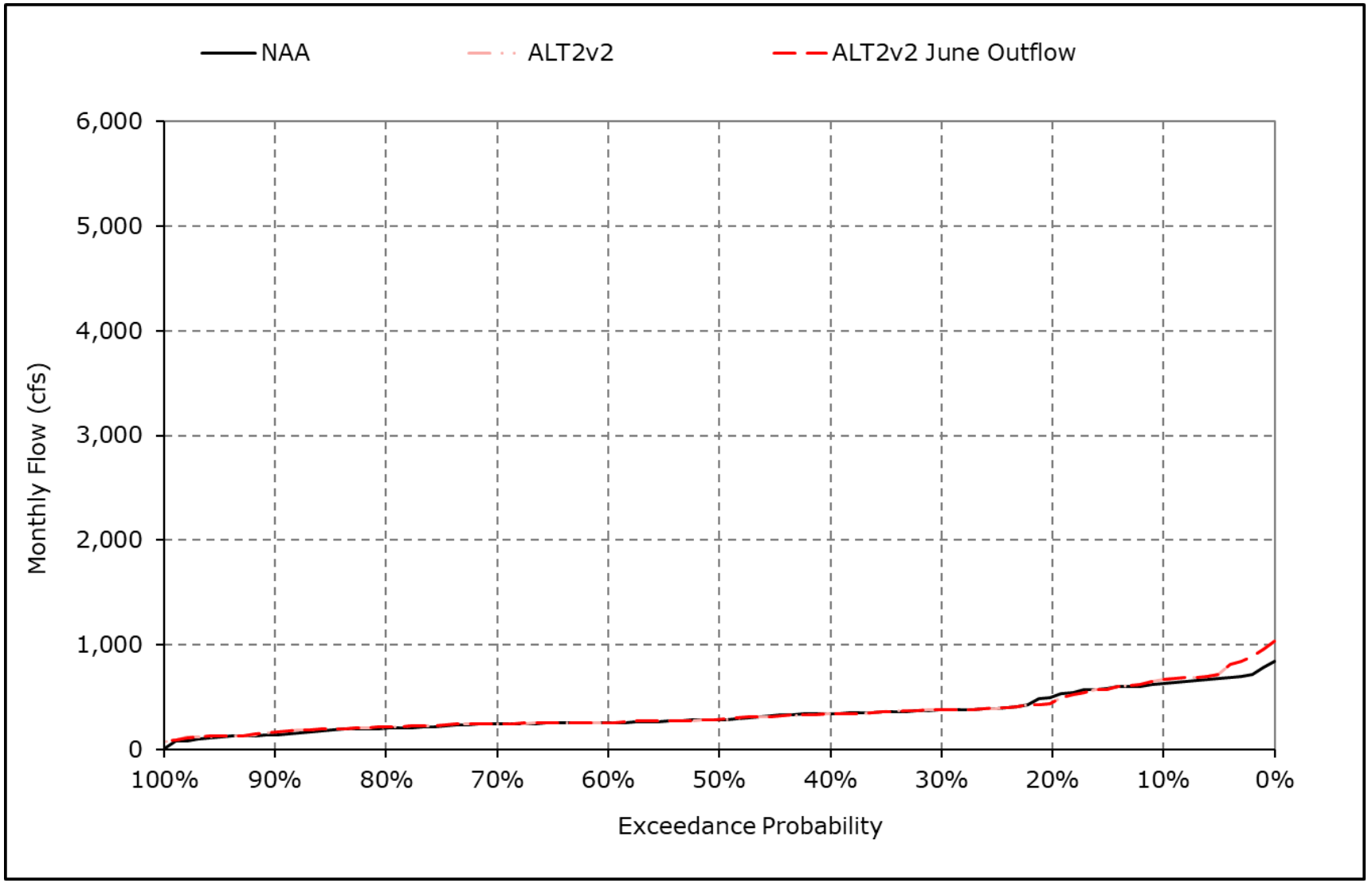
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-14. Stanislaus River Flow at Mouth, May



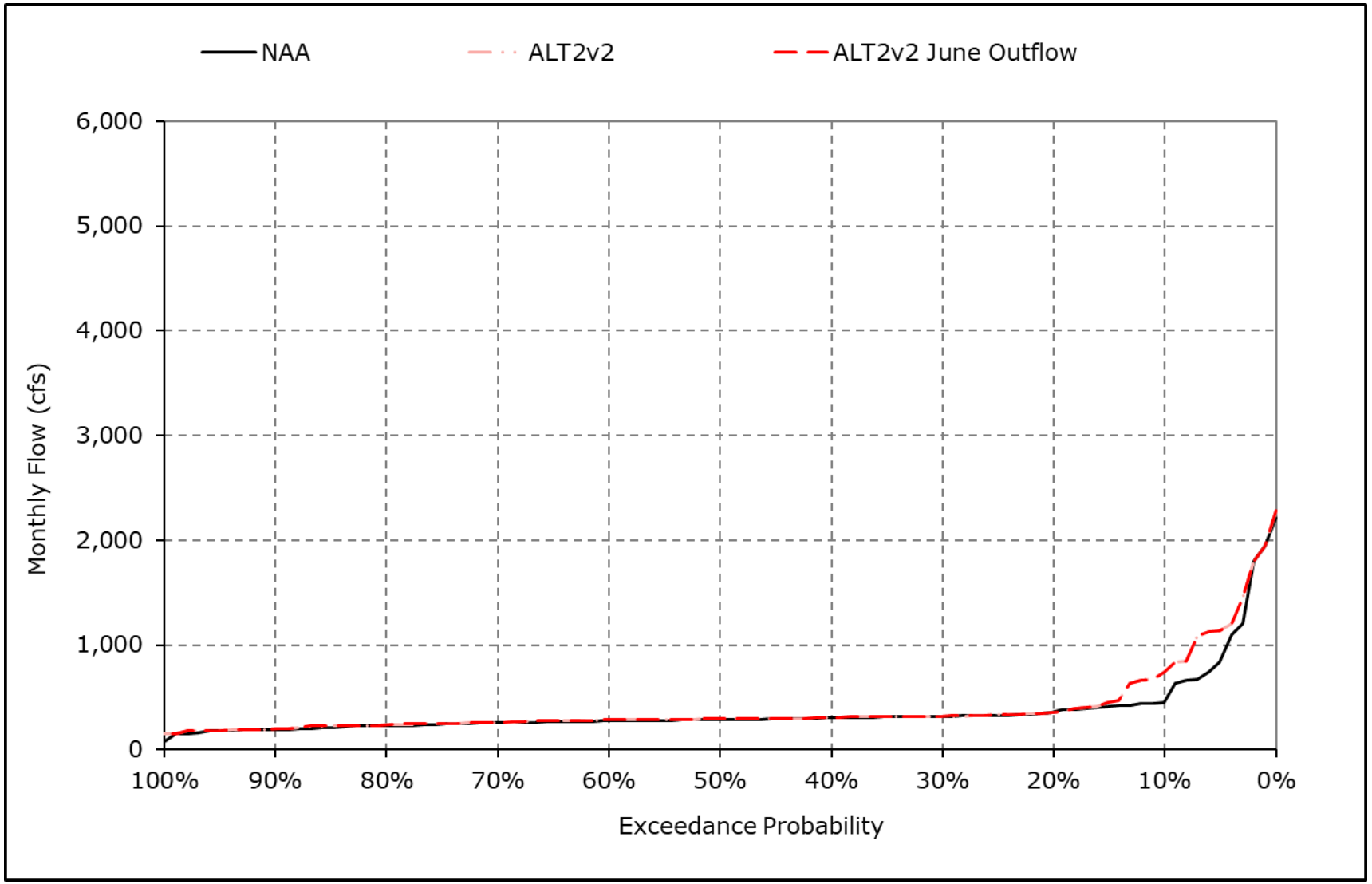
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-20-15. Stanislaus River Flow at Mouth, June



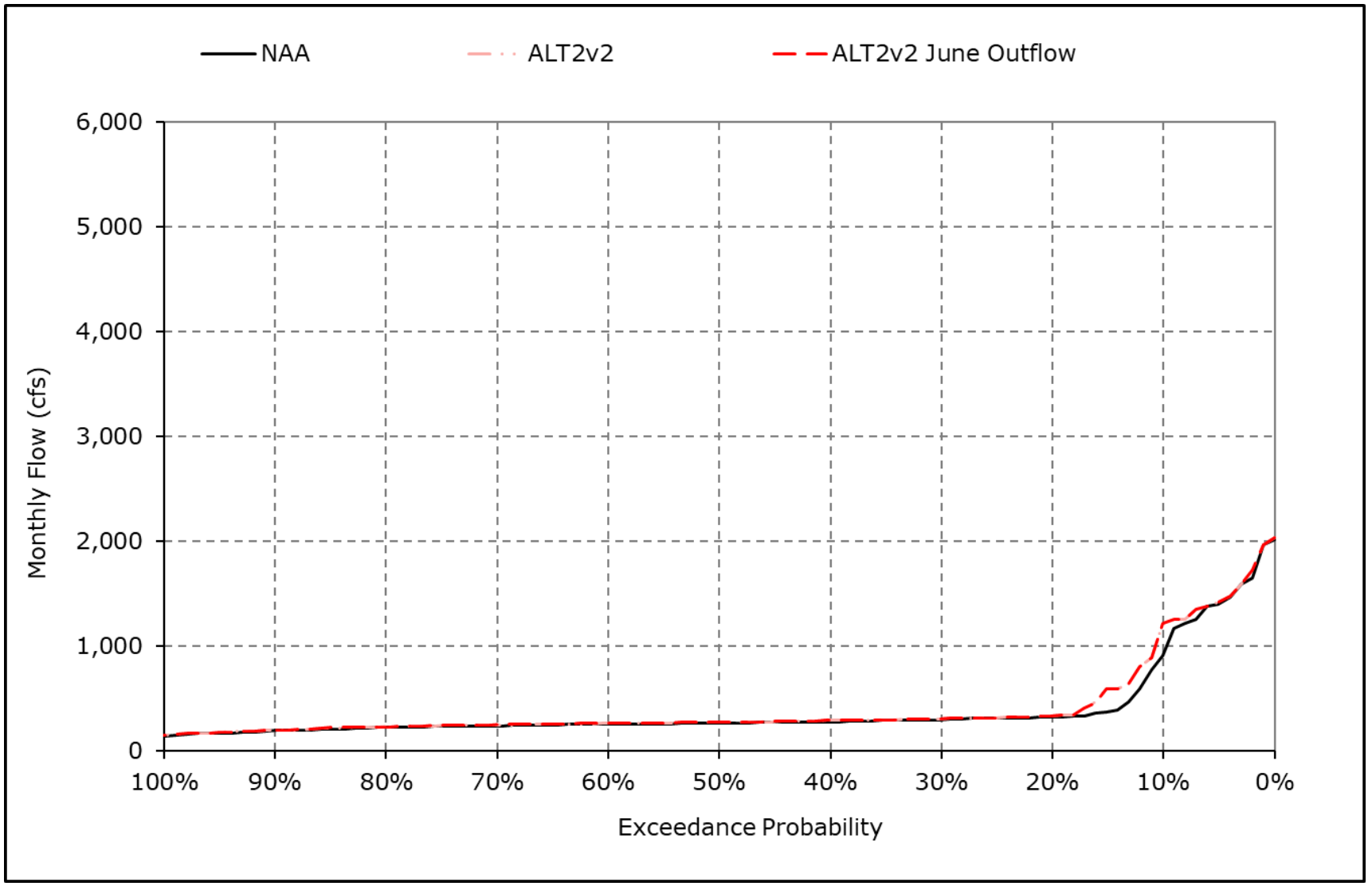
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-21-1c. San Joaquin River at Vernalis, ALT2v2 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.2.2-21-2a. 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, ALT2v2 June Outflow, Monthly Flow (cfs)

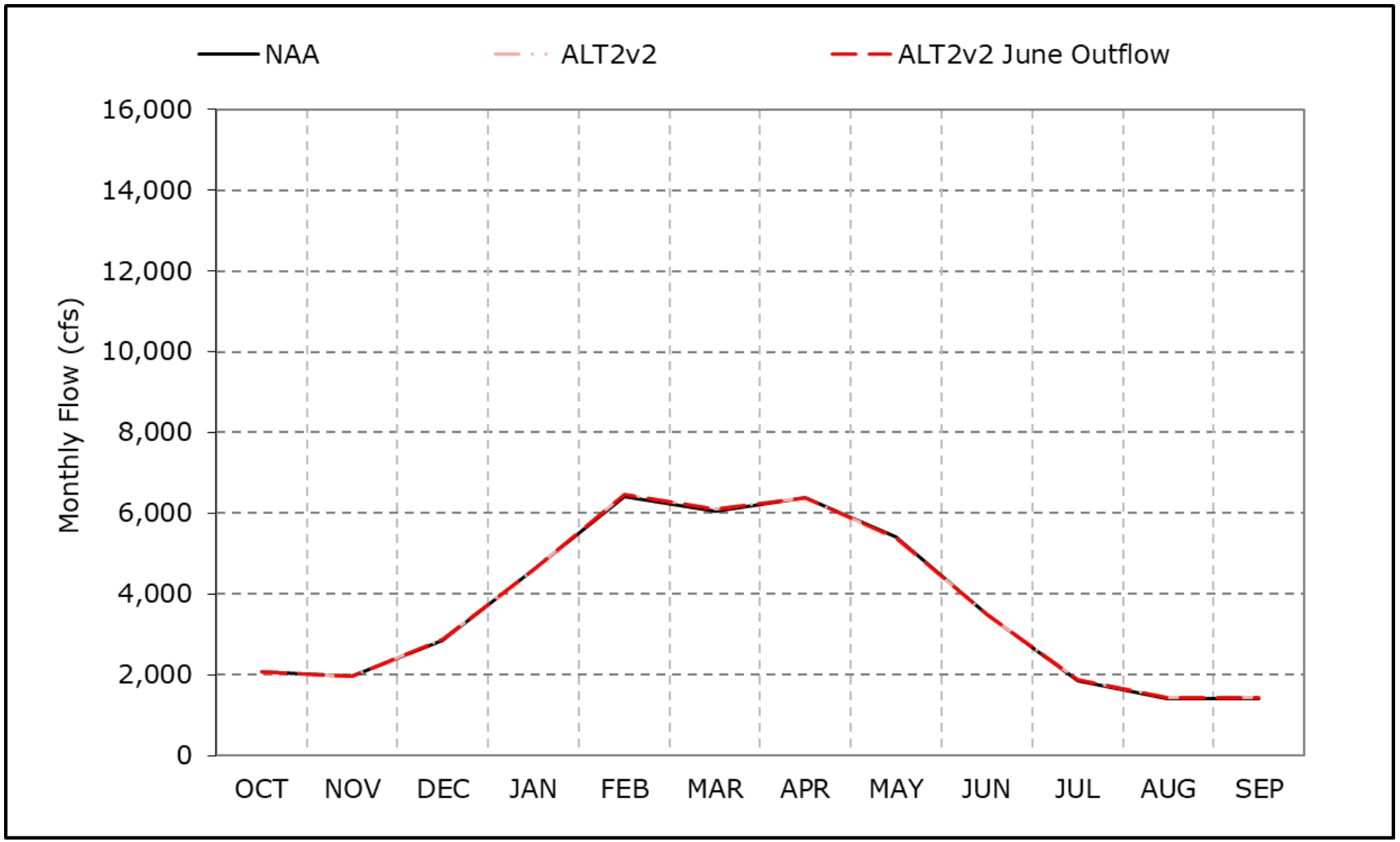
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,389	2,673	5,033	9,802	15,577	14,433	13,678	12,927	8,771	4,099	2,586	2,839
20% Exceedance	2,567	2,277	2,809	5,101	9,256	8,811	9,468	7,884	4,338	2,530	1,765	1,681
30% Exceedance	2,102	2,002	2,064	3,657	5,911	7,184	7,948	5,102	2,958	1,721	1,491	1,391
40% Exceedance	1,877	1,828	1,788	2,747	4,147	4,585	6,391	4,142	2,391	1,638	1,380	1,338
50% Exceedance	1,758	1,623	1,639	2,171	3,003	2,895	3,763	2,969	1,861	1,357	1,163	1,200
60% Exceedance	1,563	1,450	1,522	1,906	2,441	2,597	2,959	2,241	1,540	1,197	1,010	1,044
70% Exceedance	1,453	1,355	1,406	1,759	2,177	2,321	2,685	2,071	1,422	1,056	950	999
80% Exceedance	1,397	1,275	1,302	1,707	1,986	2,156	2,323	1,809	1,291	782	840	917
90% Exceedance	1,295	1,219	1,204	1,583	1,861	2,035	2,176	1,584	1,100	597	672	785
Full Simulation Period Average[a]	2,064	1,974	2,888	4,608	6,457	6,110	6,395	5,389	3,485	1,877	1,442	1,435
Wet Water Years (28%)	2,984	2,962	4,113	9,901	13,087	12,465	12,495	11,488	7,341	3,549	2,389	2,272
Above Normal Water Years (14%)	2,234	1,873	2,547	4,073	6,988	6,327	6,578	4,668	3,182	1,907	1,433	1,404
Below Normal Water Years (18%)	1,819	1,721	2,738	2,764	4,382	4,176	4,875	3,776	2,394	1,475	1,218	1,262
Dry Water Years (24%)	1,529	1,509	2,638	1,990	2,794	2,666	3,025	2,378	1,479	958	920	1,006
Critical Water Years (16%)	1,327	1,279	1,521	1,816	2,215	2,138	2,325	1,679	1,242	754	829	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.2.2-21-2c. San Joaquin River at Vernalis, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

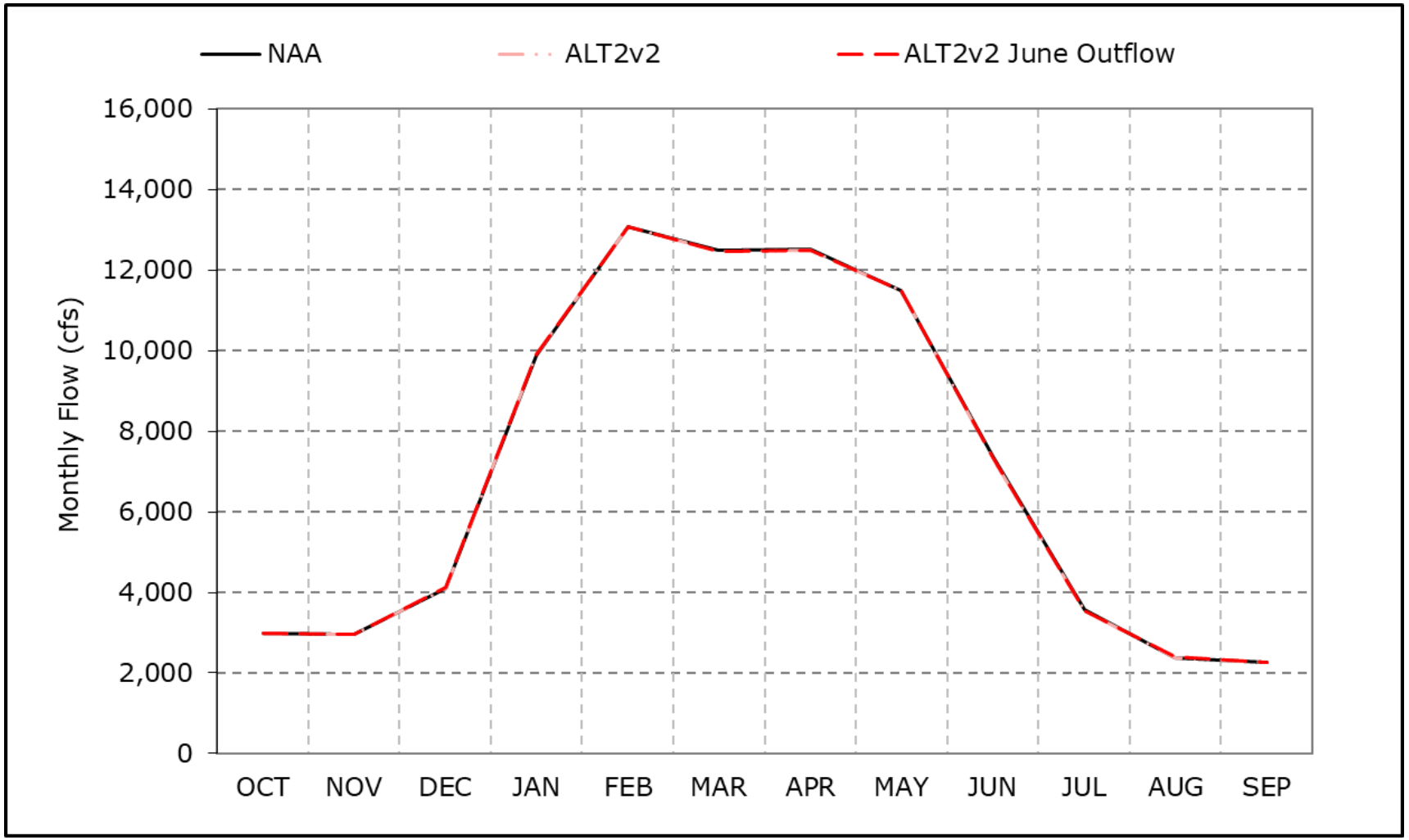
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	1	9	65	212	-223	117	1	10	9	80	142
20% Exceedance	-31	32	12	13	102	18	-43	217	6	-142	64	24
30% Exceedance	6	-2	3	83	37	49	9	-55	3	16	42	4
40% Exceedance	-8	2	7	-10	172	-22	-40	-30	14	5	60	11
50% Exceedance	-19	9	2	-6	15	76	-25	-72	1	95	63	2
60% Exceedance	1	-9	-5	-10	58	99	45	-155	-36	42	17	8
70% Exceedance	-16	-1	8	-5	70	117	86	-19	44	64	38	46
80% Exceedance	1	8	32	19	31	105	26	-9	50	95	76	44
90% Exceedance	-13	10	2	-3	71	101	98	28	36	23	20	20
Full Simulation Period Average[a]	3	5	25	-10	31	47	-5	-24	-8	21	46	28
Wet Water Years (28%)	2	4	22	23	20	-34	-37	7	-50	-29	15	9
Above Normal Water Years (14%)	12	-4	-3	-137	-75	-5	-9	-41	-19	8	21	37
Below Normal Water Years (18%)	-10	1	16	26	70	72	-39	-86	-46	-11	35	47
Dry Water Years (24%)	-14	-6	53	-2	62	116	33	-27	-8	-5	-5	-13
Critical Water Years (16%)	39	35	22	-6	53	101	38	15	114	194	213	95

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



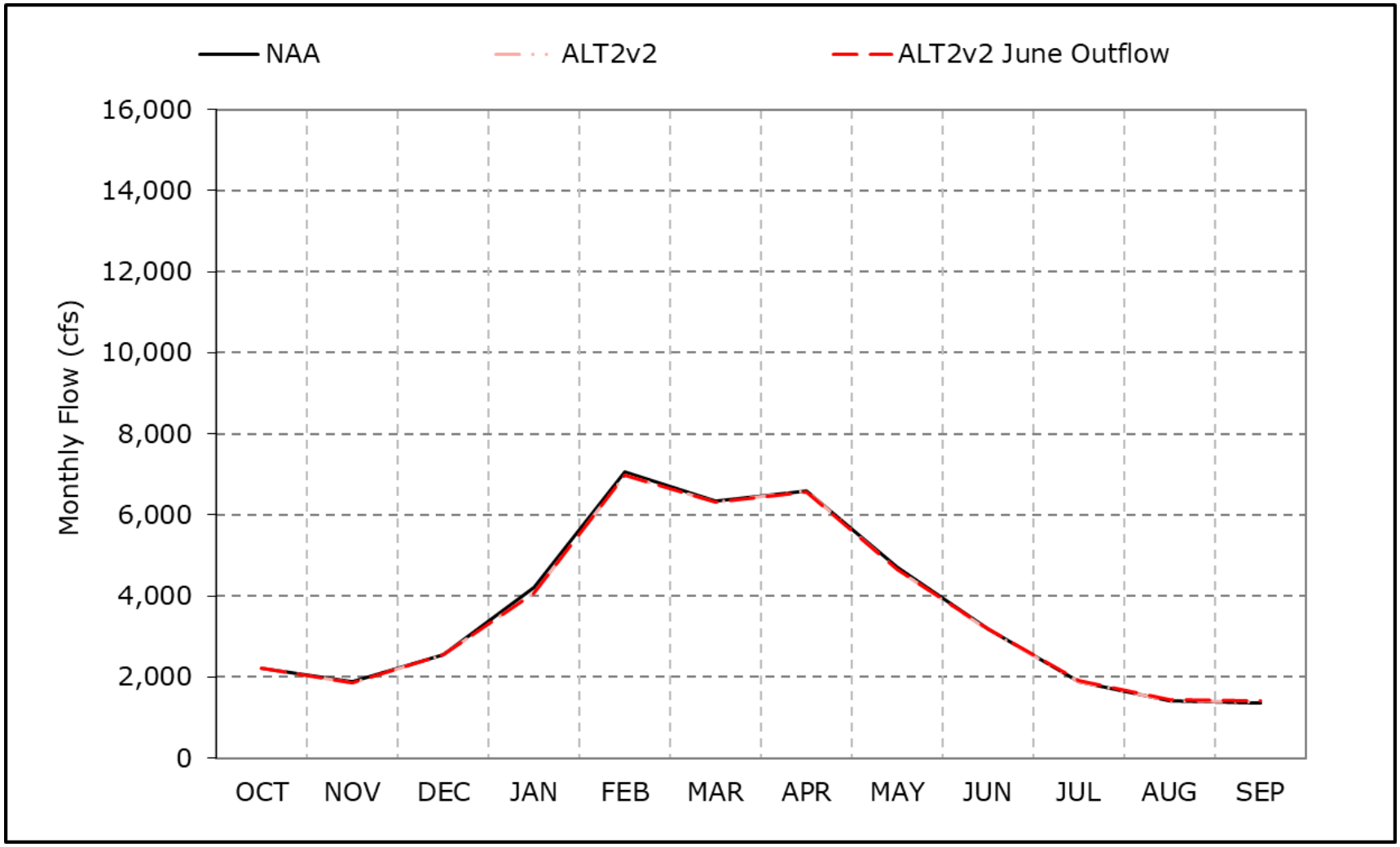
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-1. San Joaquin River at Vernalis, Long-Term Average Flow



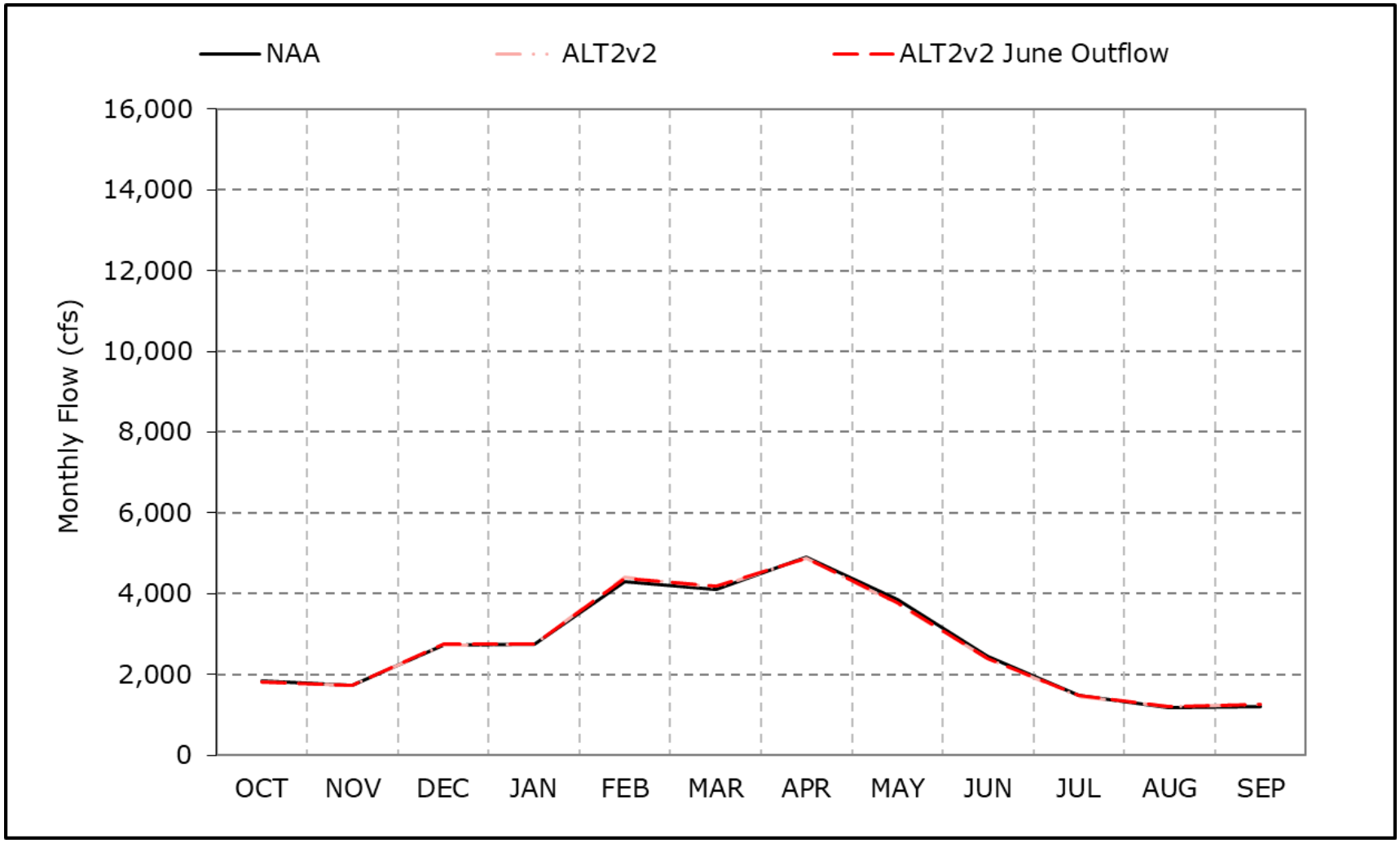
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-2. San Joaquin River at Vernalis, Wet Year Average Flow



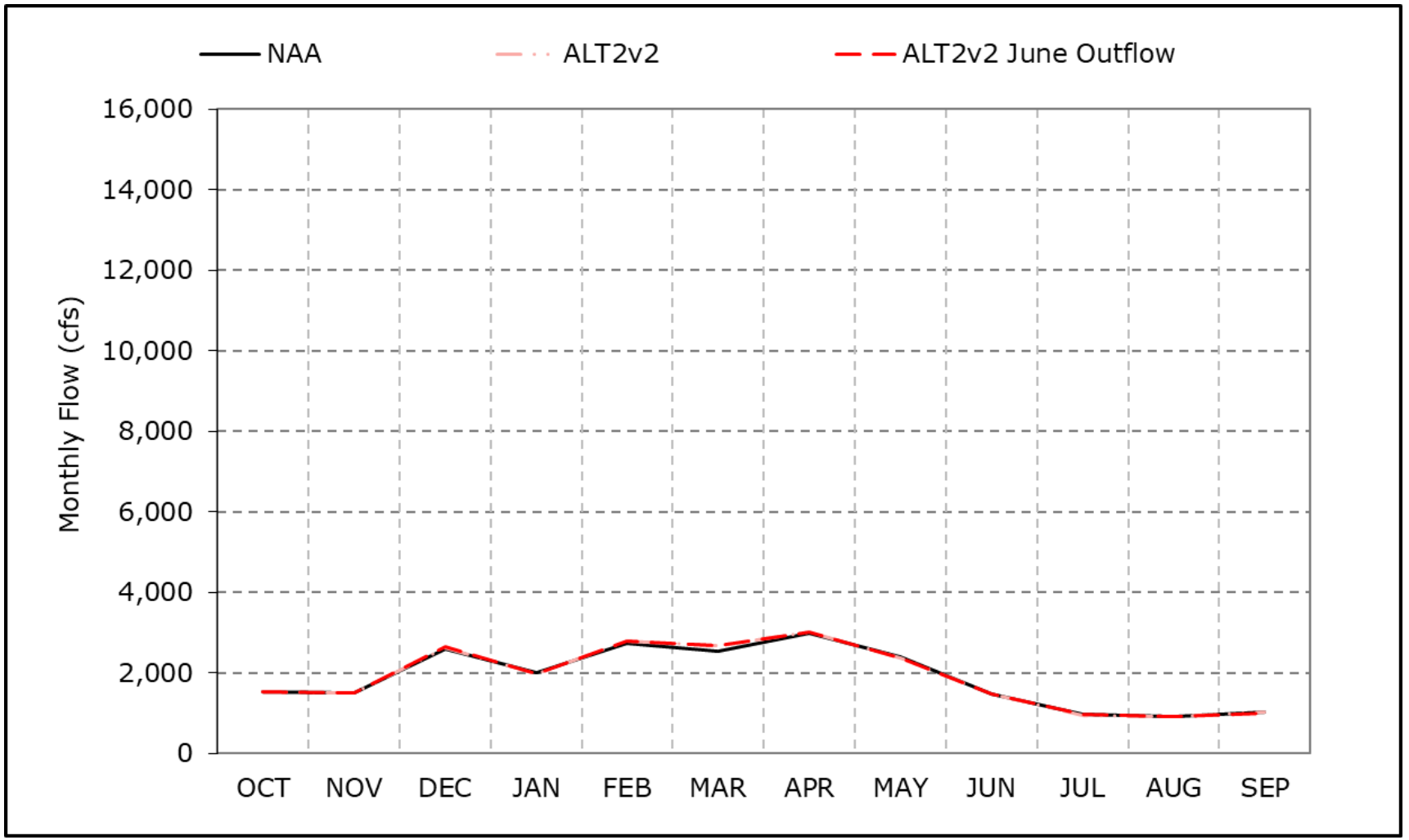
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-3. San Joaquin River at Vernalis, Above Normal Year Average Flow



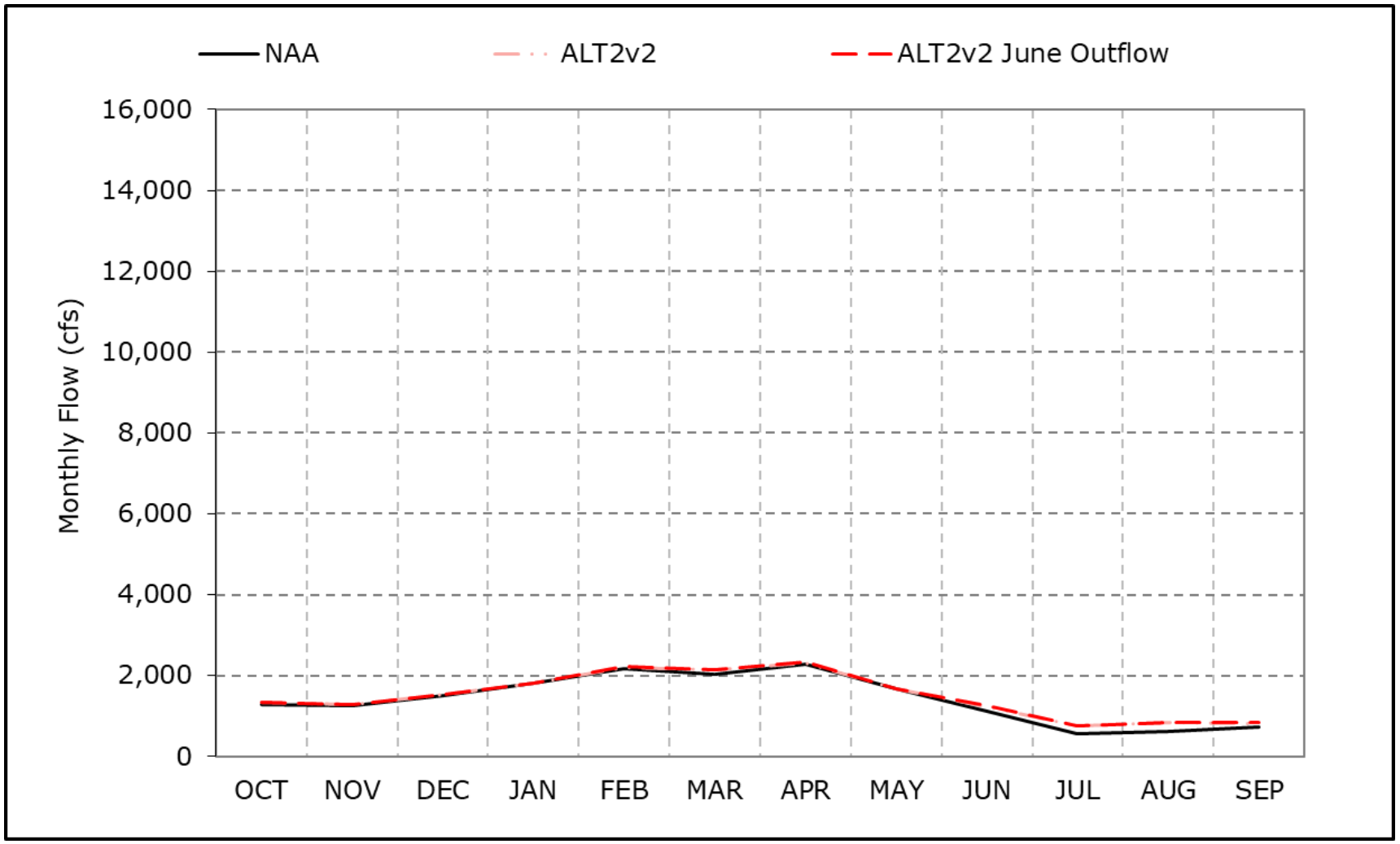
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-4. San Joaquin River at Vernalis, Below Normal Year Average Flow



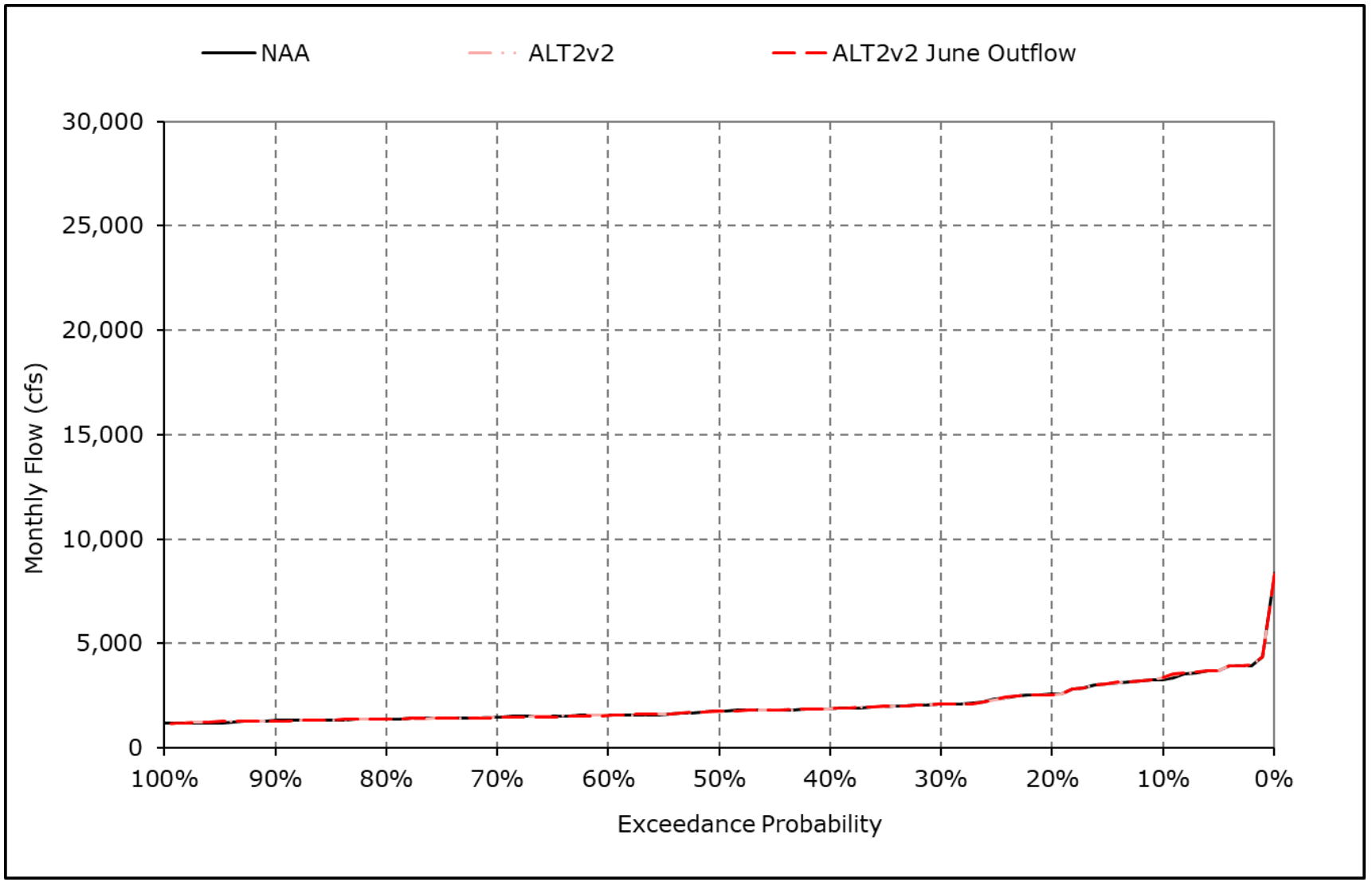
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-5. San Joaquin River at Vernalis, Dry Year Average Flow



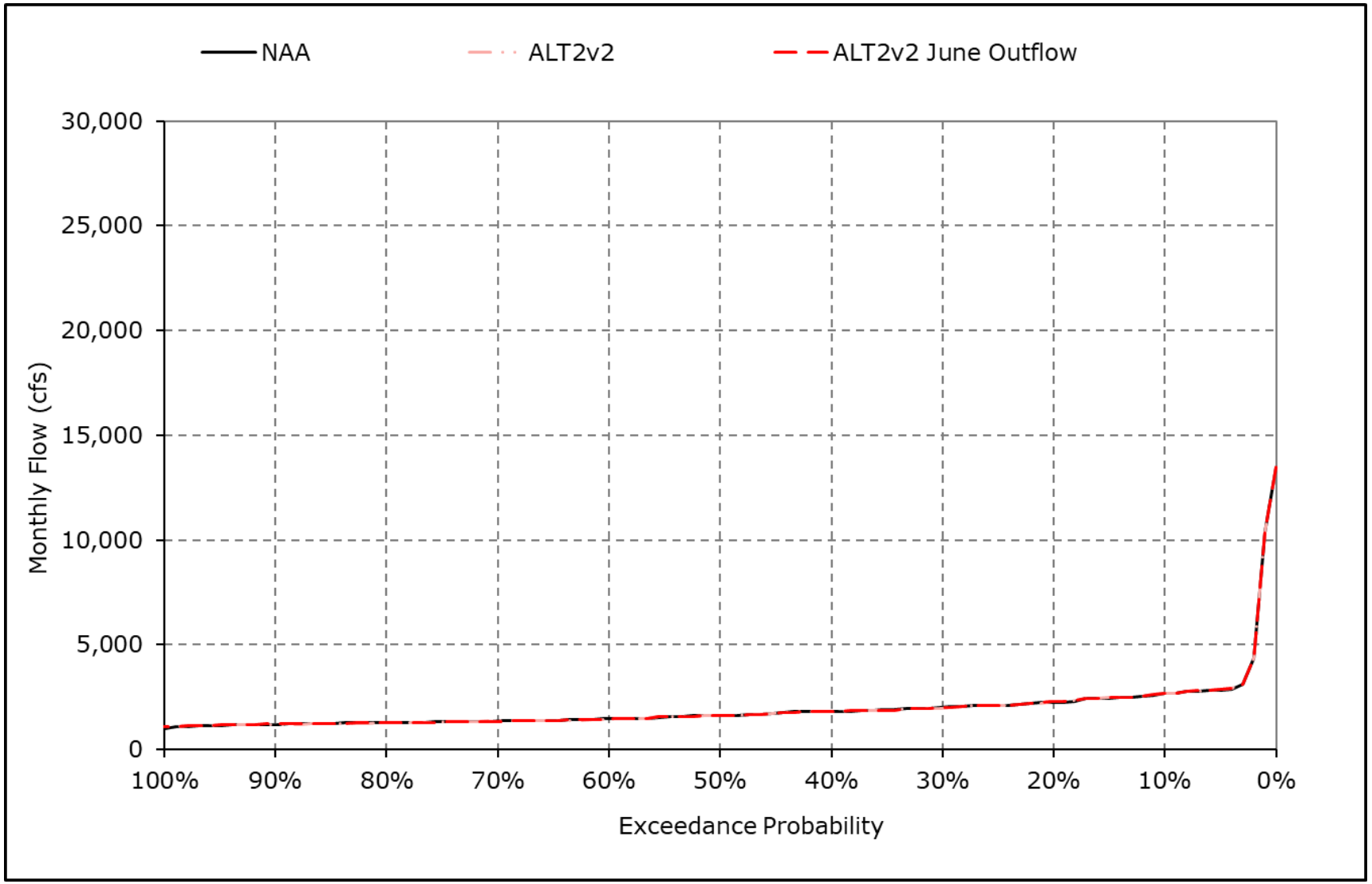
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-21-6. San Joaquin River at Vernalis, Critical Year Average Flow



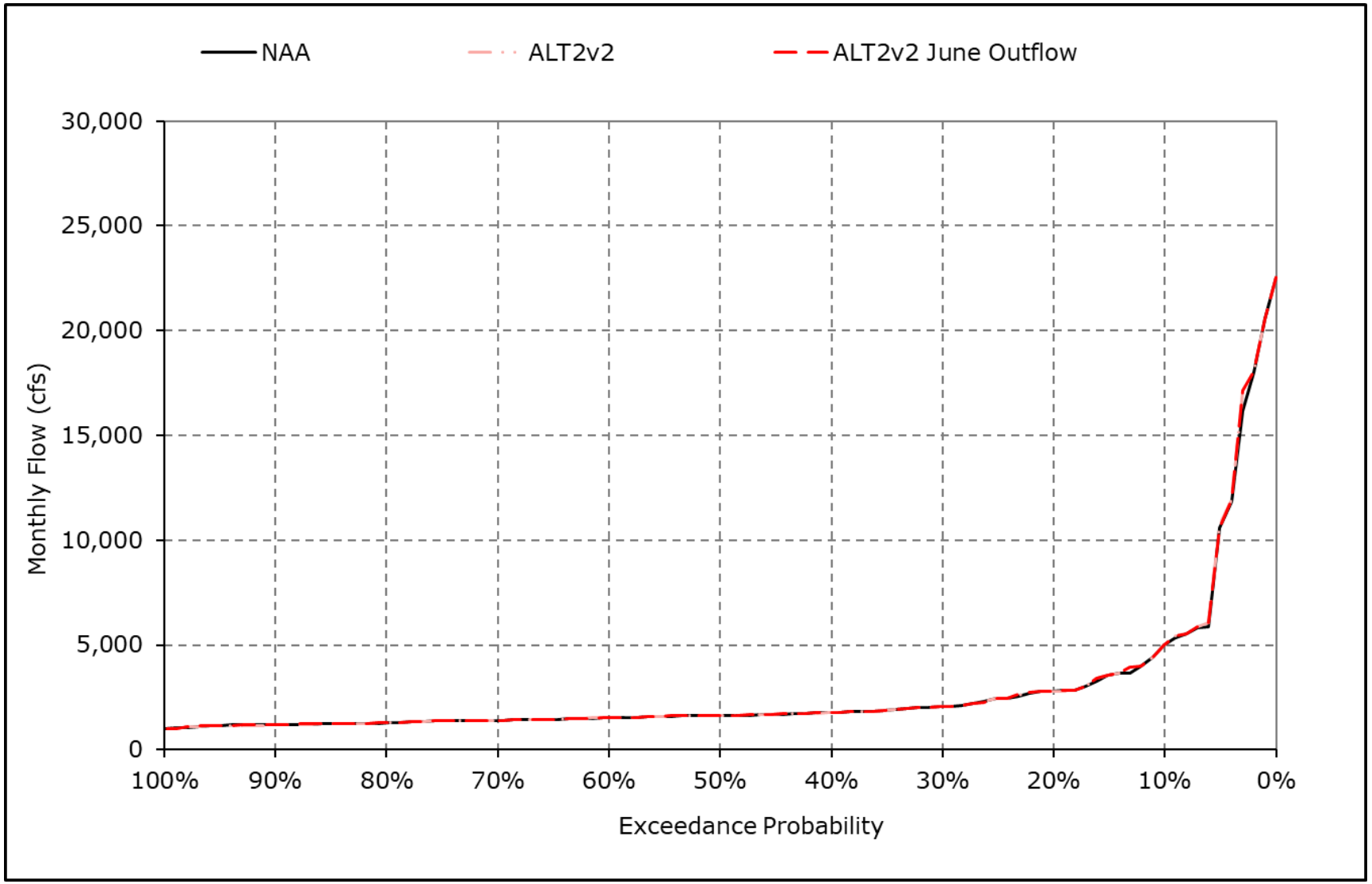
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-7. San Joaquin River at Vernalis, October



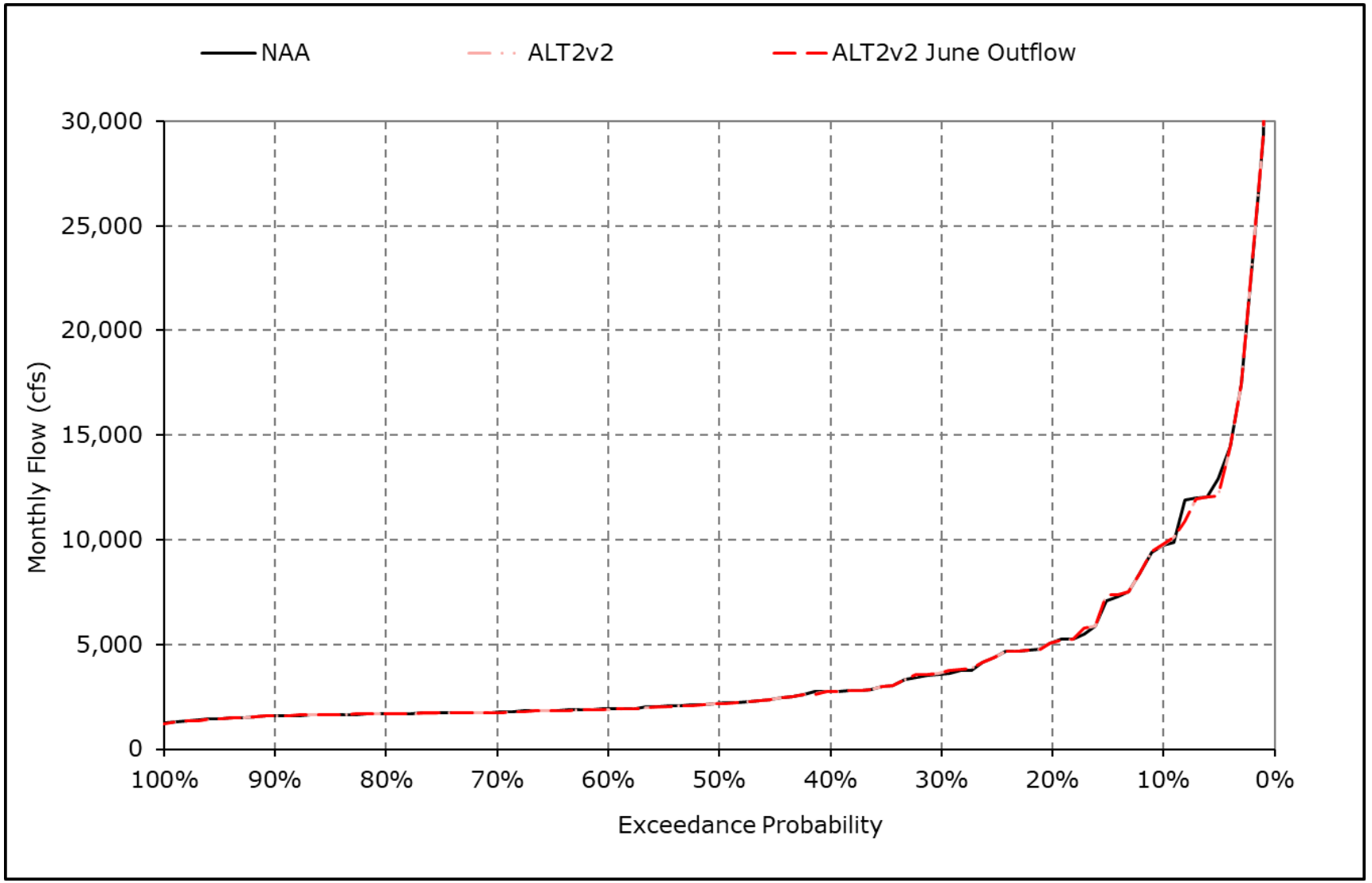
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-8. San Joaquin River at Vernalis, November



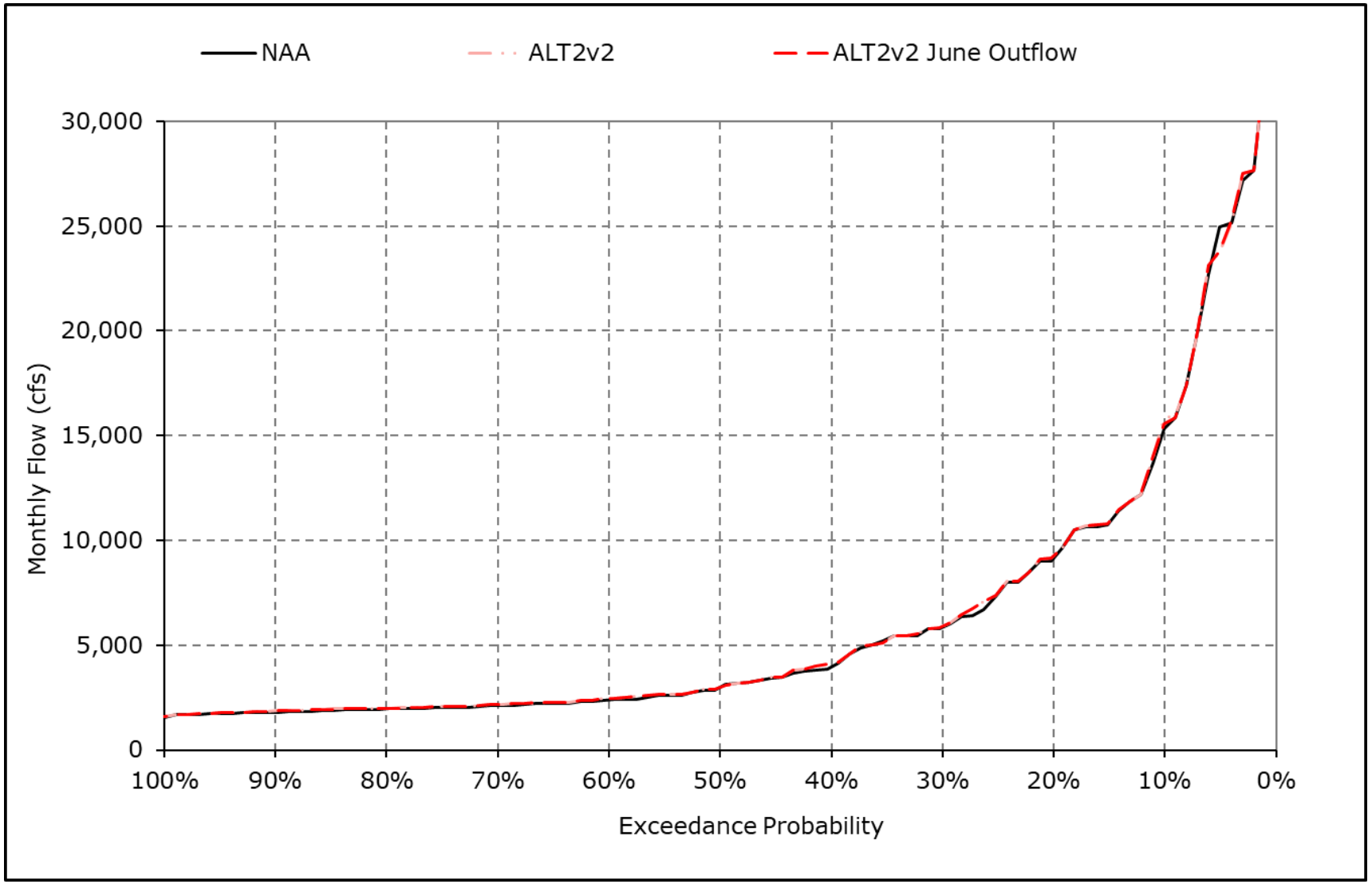
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-9. San Joaquin River at Vernalis, December



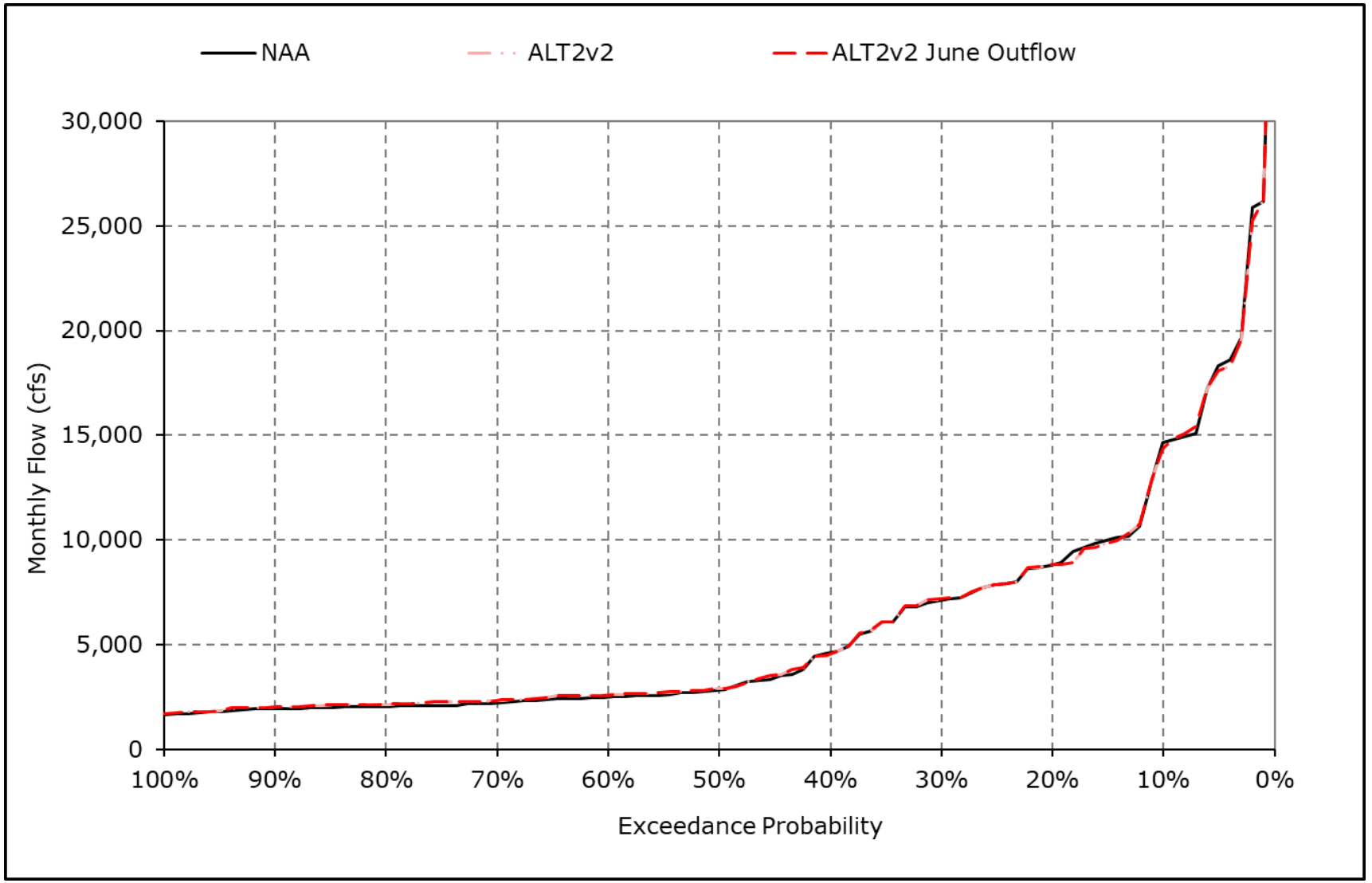
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-10. San Joaquin River at Vernalis, January



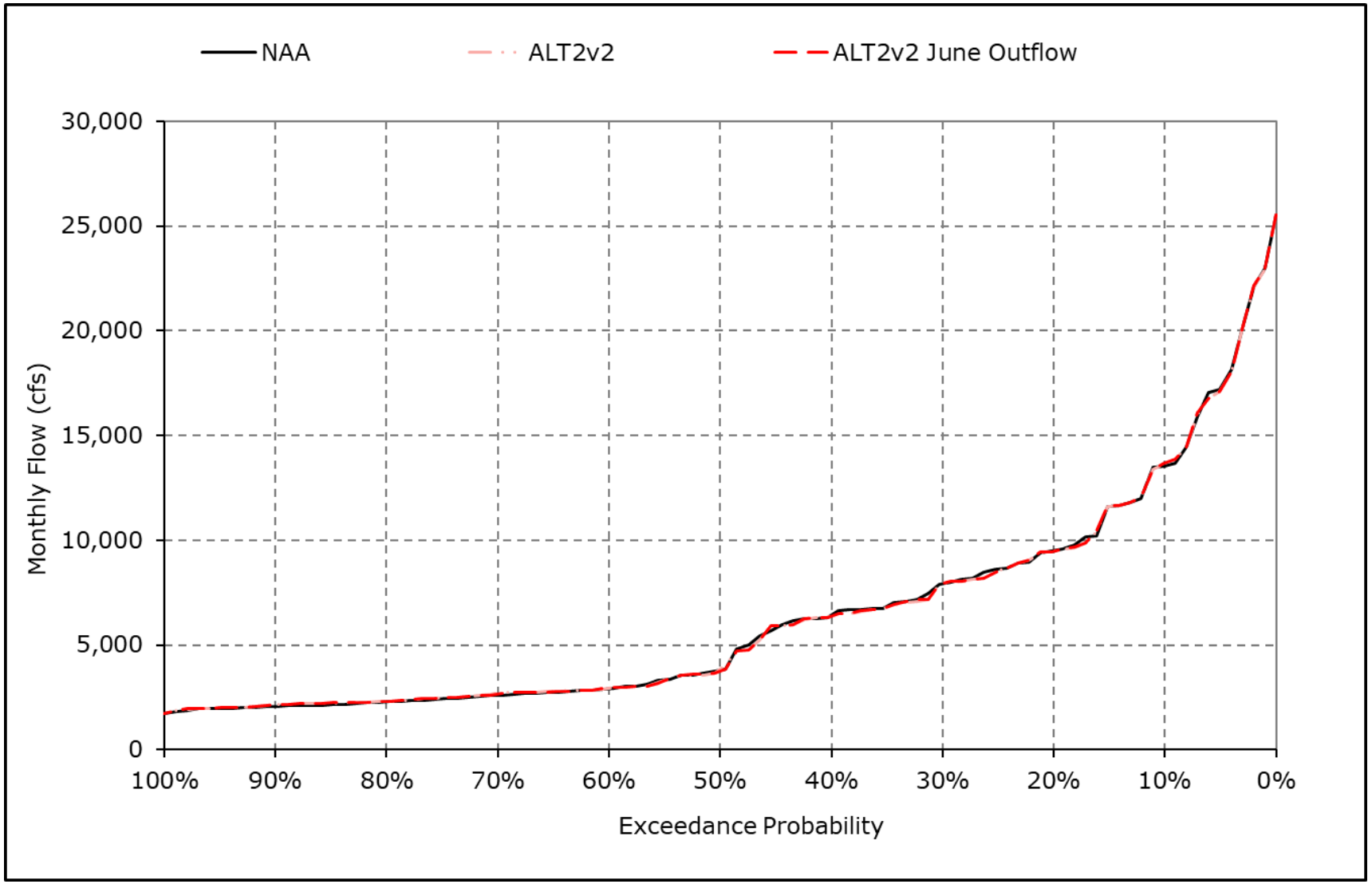
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-11. San Joaquin River at Vernalis, February



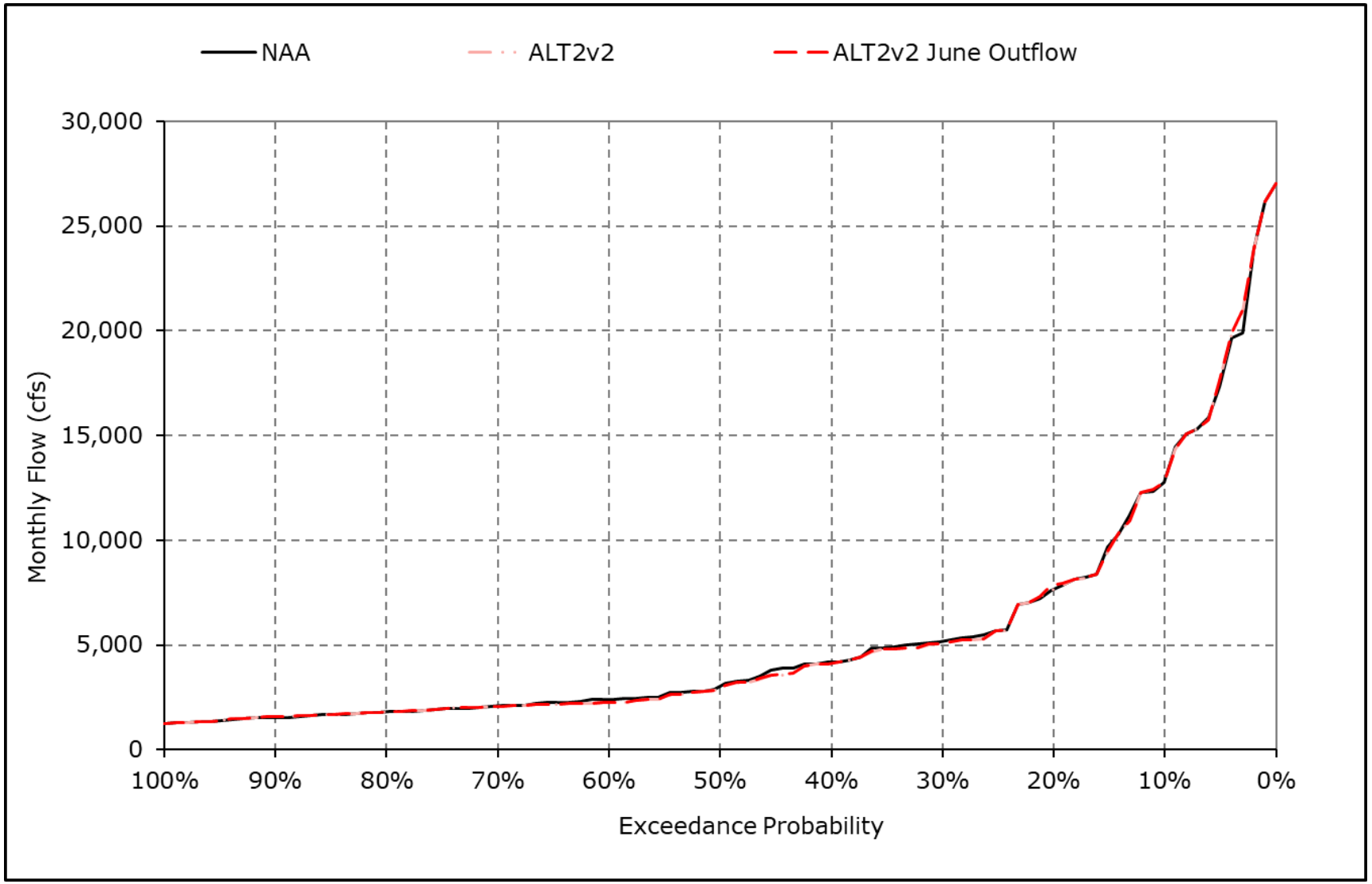
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-12. San Joaquin River at Vernalis, March



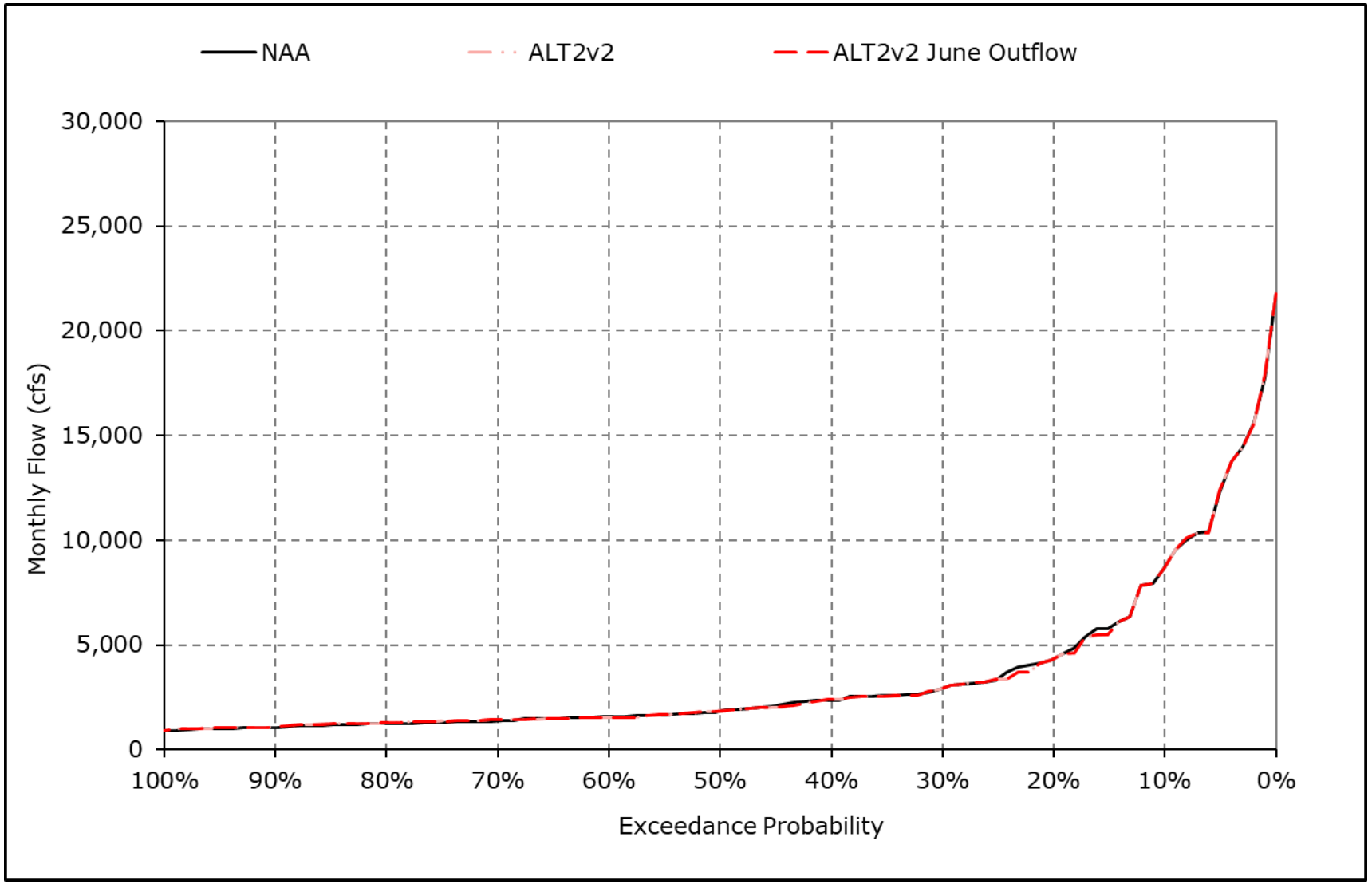
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-13. San Joaquin River at Vernalis, April



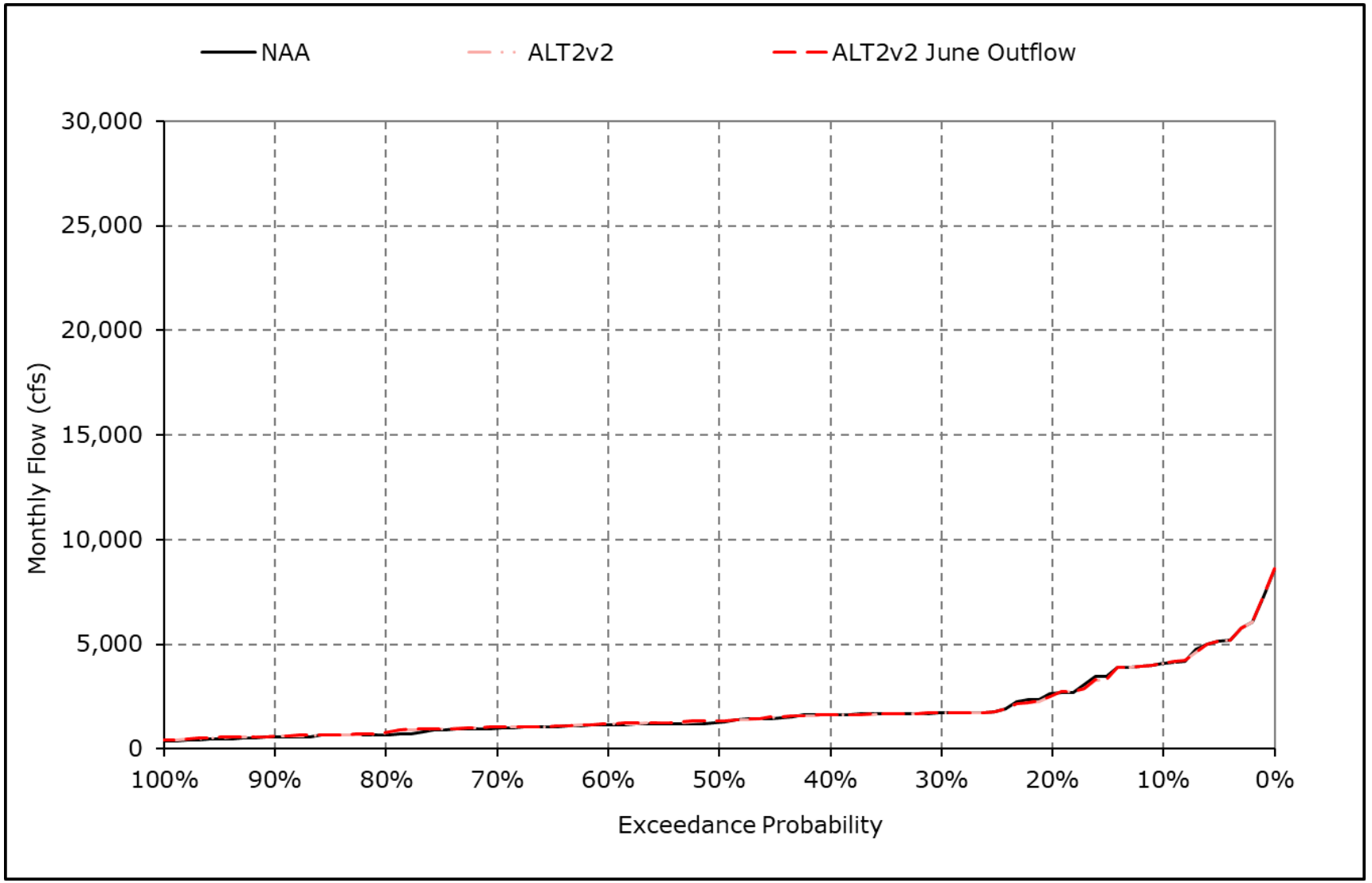
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-14. San Joaquin River at Vernalis, May



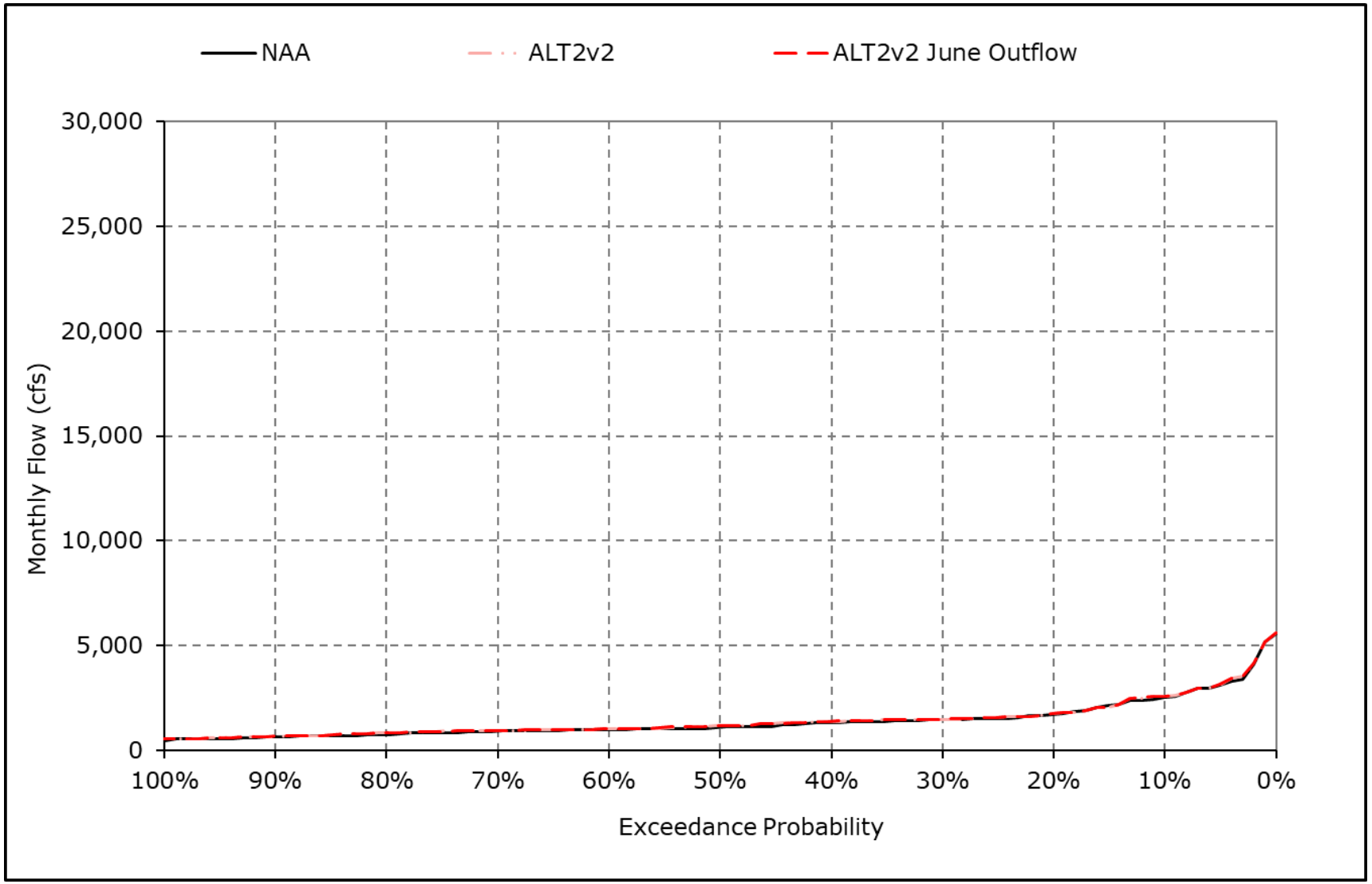
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-21-15. San Joaquin River at Vernalis, June



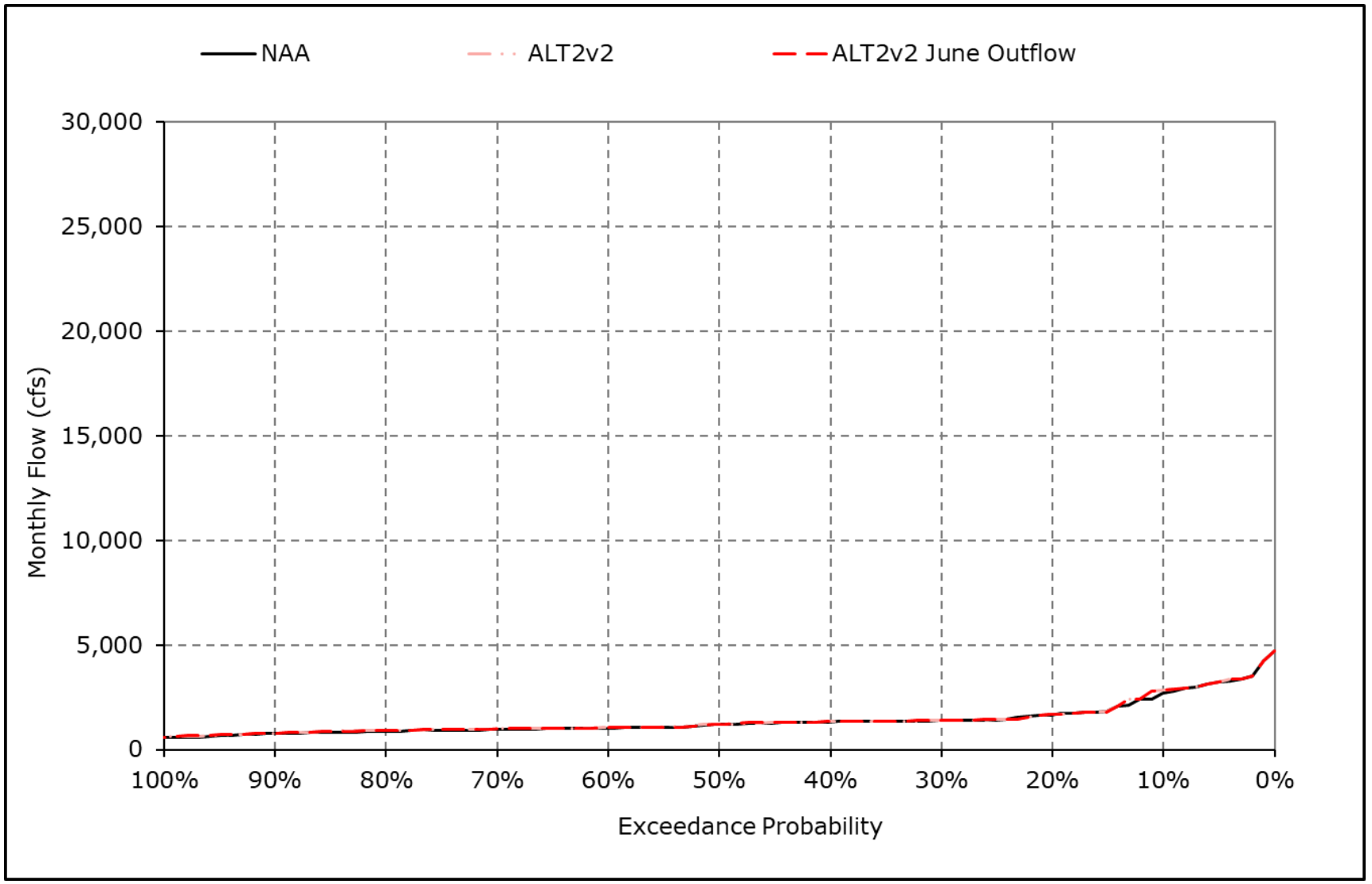
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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), ALT2v2, 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.2.2-22-1c. San Joaquin River at Vernalis (60-20-20), ALT2v2 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.2.2-22-2a. 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), ALT2v2 June Outflow, Monthly Flow (cfs)

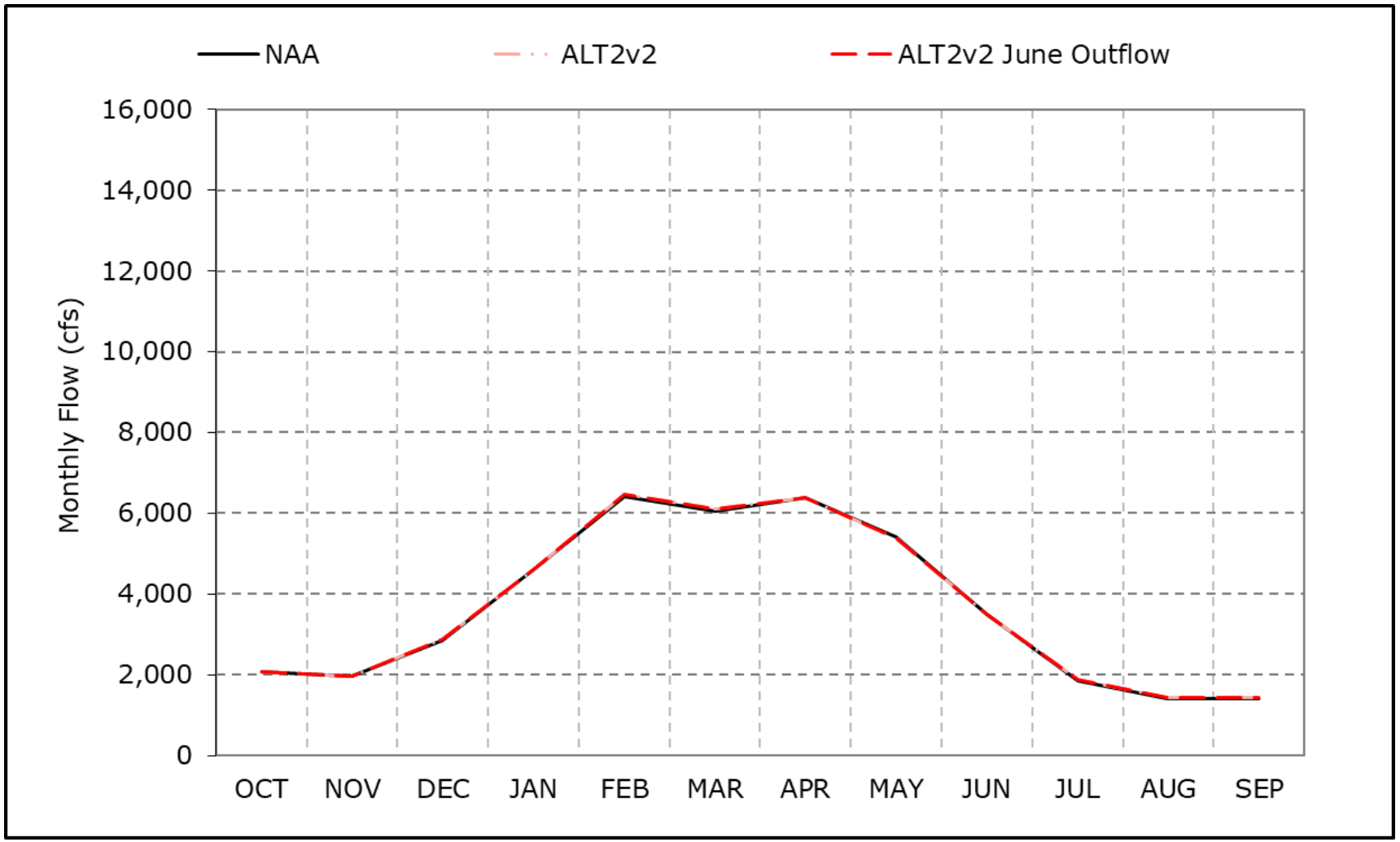
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,389	2,673	5,033	9,802	15,577	14,433	13,678	12,927	8,771	4,099	2,586	2,839
20% Exceedance	2,567	2,277	2,809	5,101	9,256	8,811	9,468	7,884	4,338	2,530	1,765	1,681
30% Exceedance	2,102	2,002	2,064	3,657	5,911	7,184	7,948	5,102	2,958	1,721	1,491	1,391
40% Exceedance	1,877	1,828	1,788	2,747	4,147	4,585	6,391	4,142	2,391	1,638	1,380	1,338
50% Exceedance	1,758	1,623	1,639	2,171	3,003	2,895	3,763	2,969	1,861	1,357	1,163	1,200
60% Exceedance	1,563	1,450	1,522	1,906	2,441	2,597	2,959	2,241	1,540	1,197	1,010	1,044
70% Exceedance	1,453	1,355	1,406	1,759	2,177	2,321	2,685	2,071	1,422	1,056	950	999
80% Exceedance	1,397	1,275	1,302	1,707	1,986	2,156	2,323	1,809	1,291	782	840	917
90% Exceedance	1,295	1,219	1,204	1,583	1,861	2,035	2,176	1,584	1,100	597	672	785
Full Simulation Period Average[a]	2,064	1,974	2,888	4,608	6,457	6,110	6,395	5,389	3,485	1,877	1,442	1,435
Wet Water Years (22%)	3,464	3,250	4,145	10,505	14,873	14,285	14,088	13,761	9,244	4,320	2,770	2,647
Above Normal Water Years (12%)	2,215	1,999	4,423	5,802	8,415	7,504	8,058	5,722	3,043	1,705	1,314	1,337
Below Normal Water Years (15%)	1,884	1,807	2,493	4,142	6,688	5,417	6,647	4,472	2,607	1,638	1,376	1,283
Dry Water Years (17%)	1,566	1,585	2,696	2,078	2,374	2,858	3,195	2,443	1,597	1,185	1,008	1,018
Critical Water Years (34%)	1,409	1,389	1,724	1,842	2,259	2,259	2,319	1,732	1,247	807	875	961

[a] Based on the 100-year 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), ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

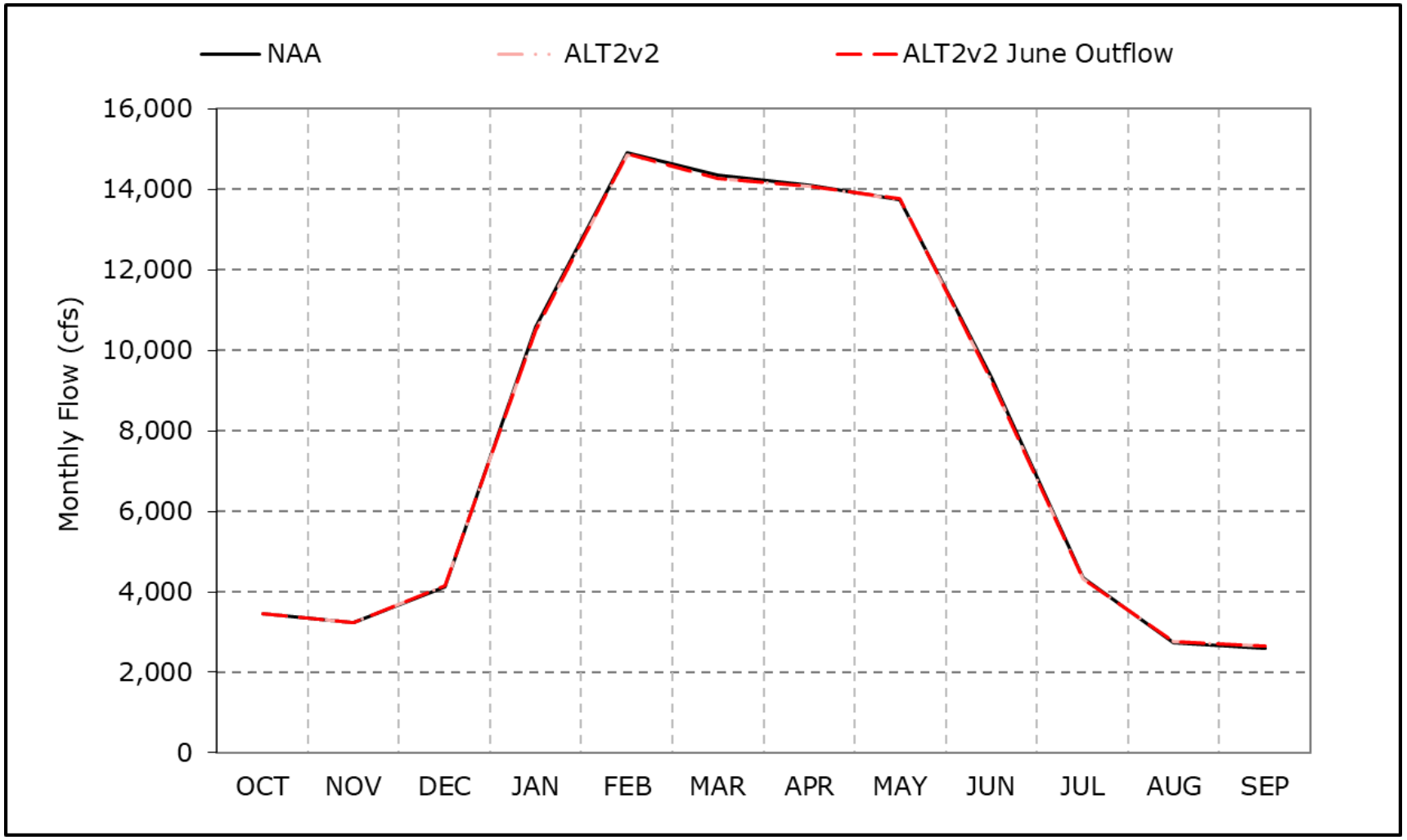
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	1	9	65	212	-223	117	1	10	9	80	142
20% Exceedance	-31	32	12	13	102	18	-43	217	6	-142	64	24
30% Exceedance	6	-2	3	83	37	49	9	-55	3	16	42	4
40% Exceedance	-8	2	7	-10	172	-22	-40	-30	14	5	60	11
50% Exceedance	-19	9	2	-6	15	76	-25	-72	1	95	63	2
60% Exceedance	1	-9	-5	-10	58	99	45	-155	-36	42	17	8
70% Exceedance	-16	-1	8	-5	70	117	86	-19	44	64	38	46
80% Exceedance	1	8	32	19	31	105	26	-9	50	95	76	44
90% Exceedance	-13	10	2	-3	71	101	98	28	36	23	20	20
Full Simulation Period Average[a]	3	5	25	-10	31	47	-5	-24	-8	21	46	28
Wet Water Years (22%)	11	7	28	-78	-50	-71	-6	19	-72	-42	24	39
Above Normal Water Years (12%)	4	5	15	45	90	39	3	20	-1	3	3	7
Below Normal Water Years (15%)	2	0	19	17	16	-12	-121	-102	-27	0	25	19
Dry Water Years (17%)	-17	-3	60	-1	53	81	-27	-112	-39	2	26	13
Critical Water Years (34%)	8	9	11	-1	59	134	57	12	54	86	95	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.



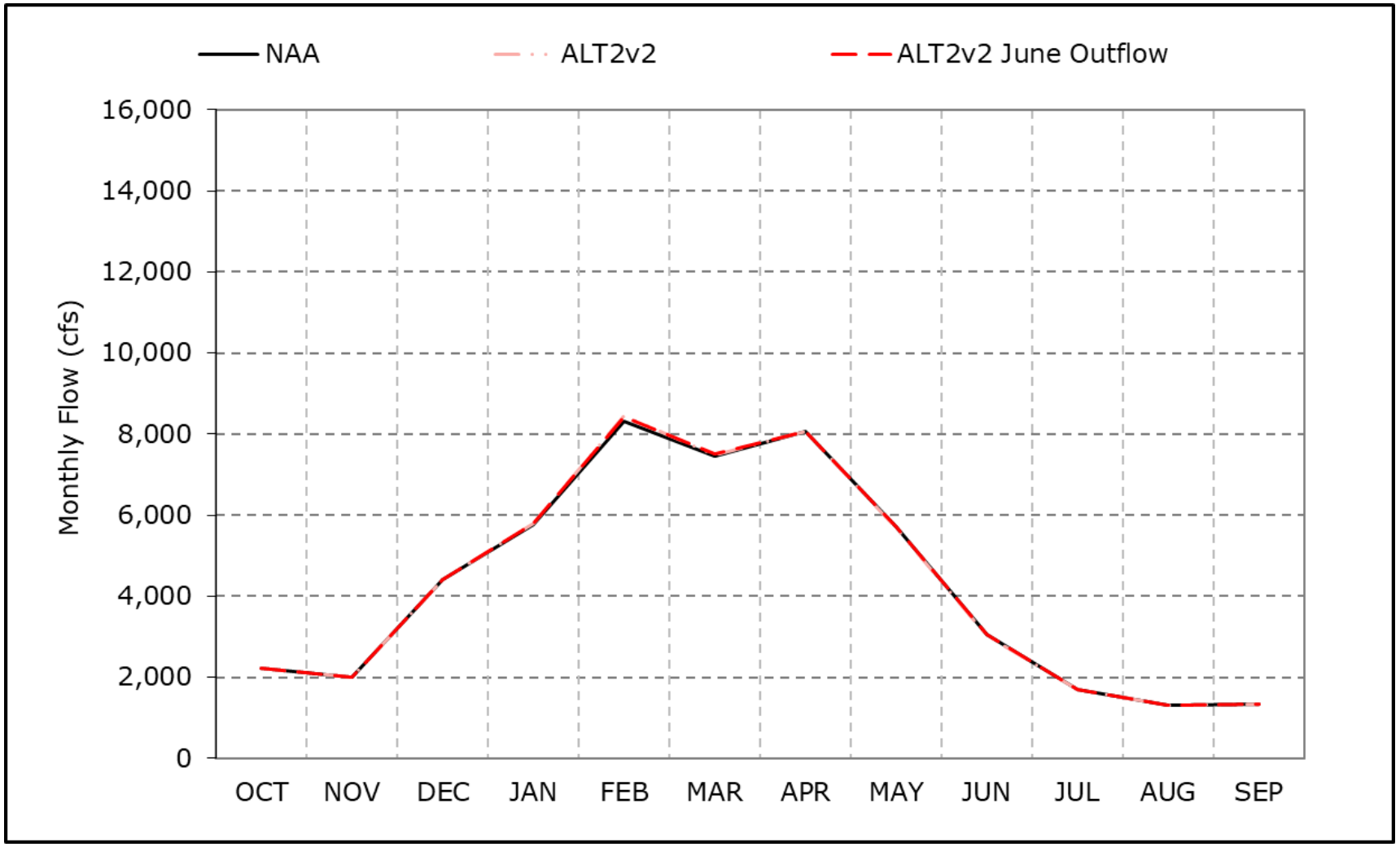
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-1. San Joaquin River at Vernalis (60-20-20), Long-Term Average Flow



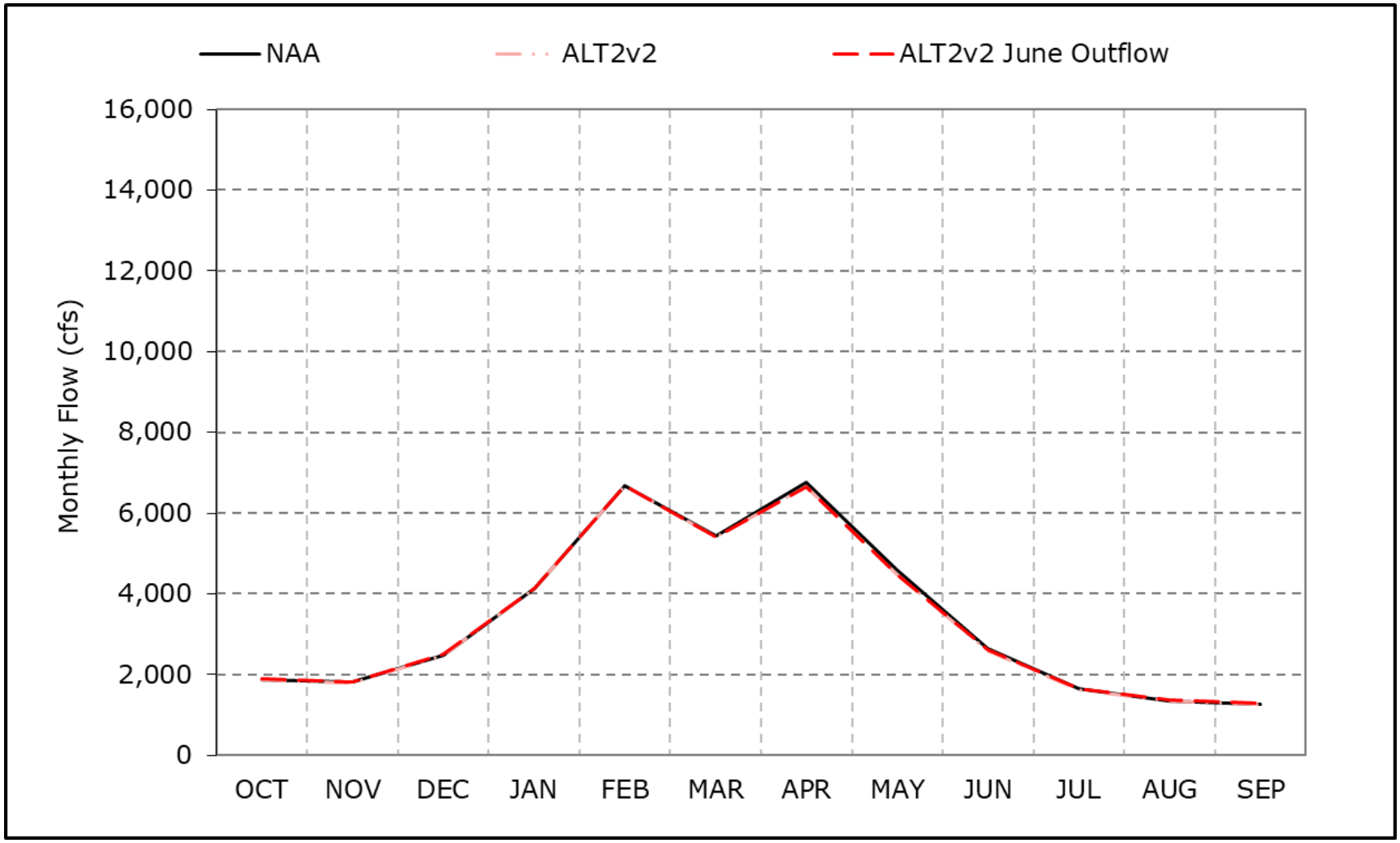
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-2. San Joaquin River at Vernalis (60-20-20), Wet Year Average Flow



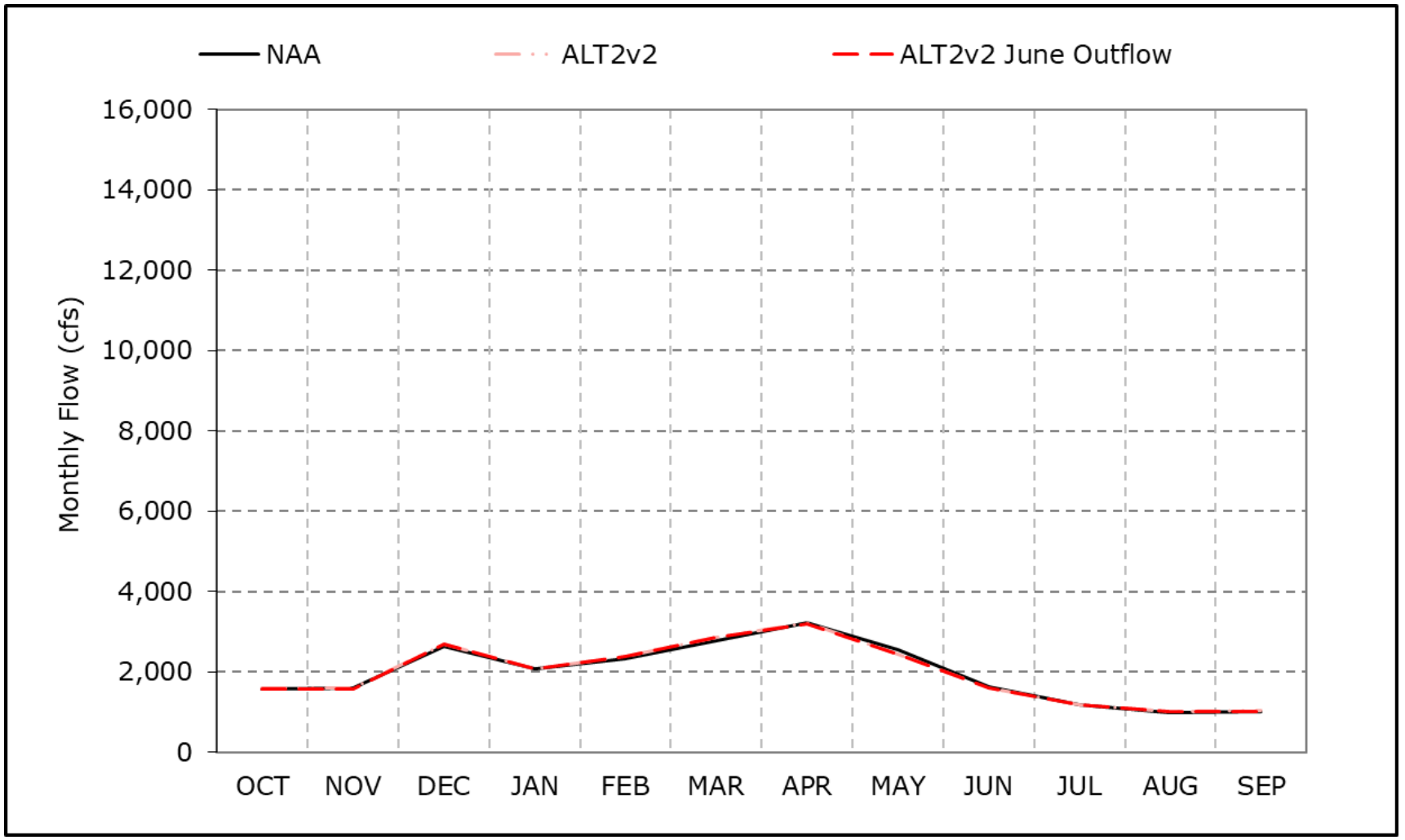
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-3. San Joaquin River at Vernalis (60-20-20), Above Normal Year Average Flow



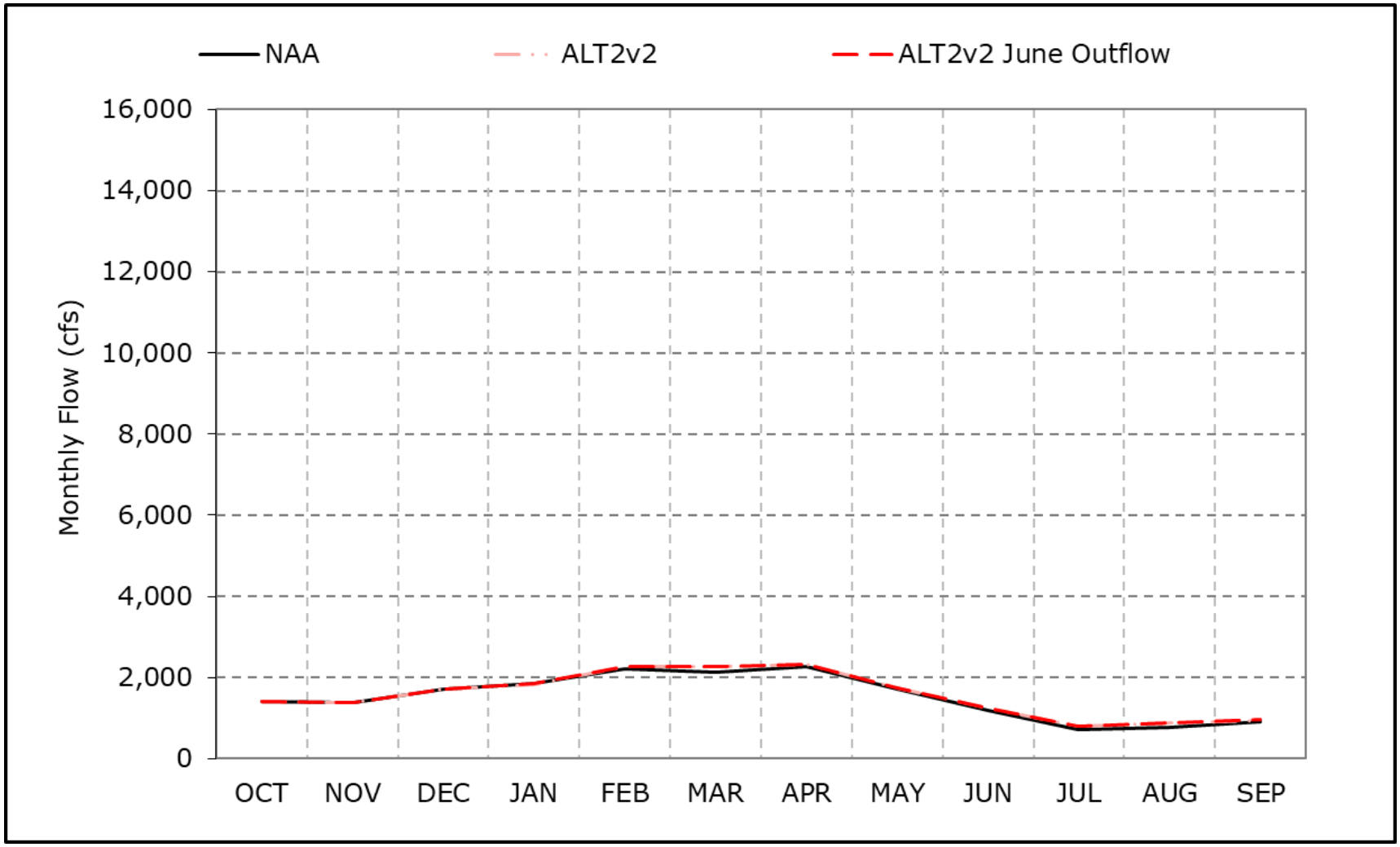
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-4. San Joaquin River at Vernalis (60-20-20), Below Normal Year Average Flow



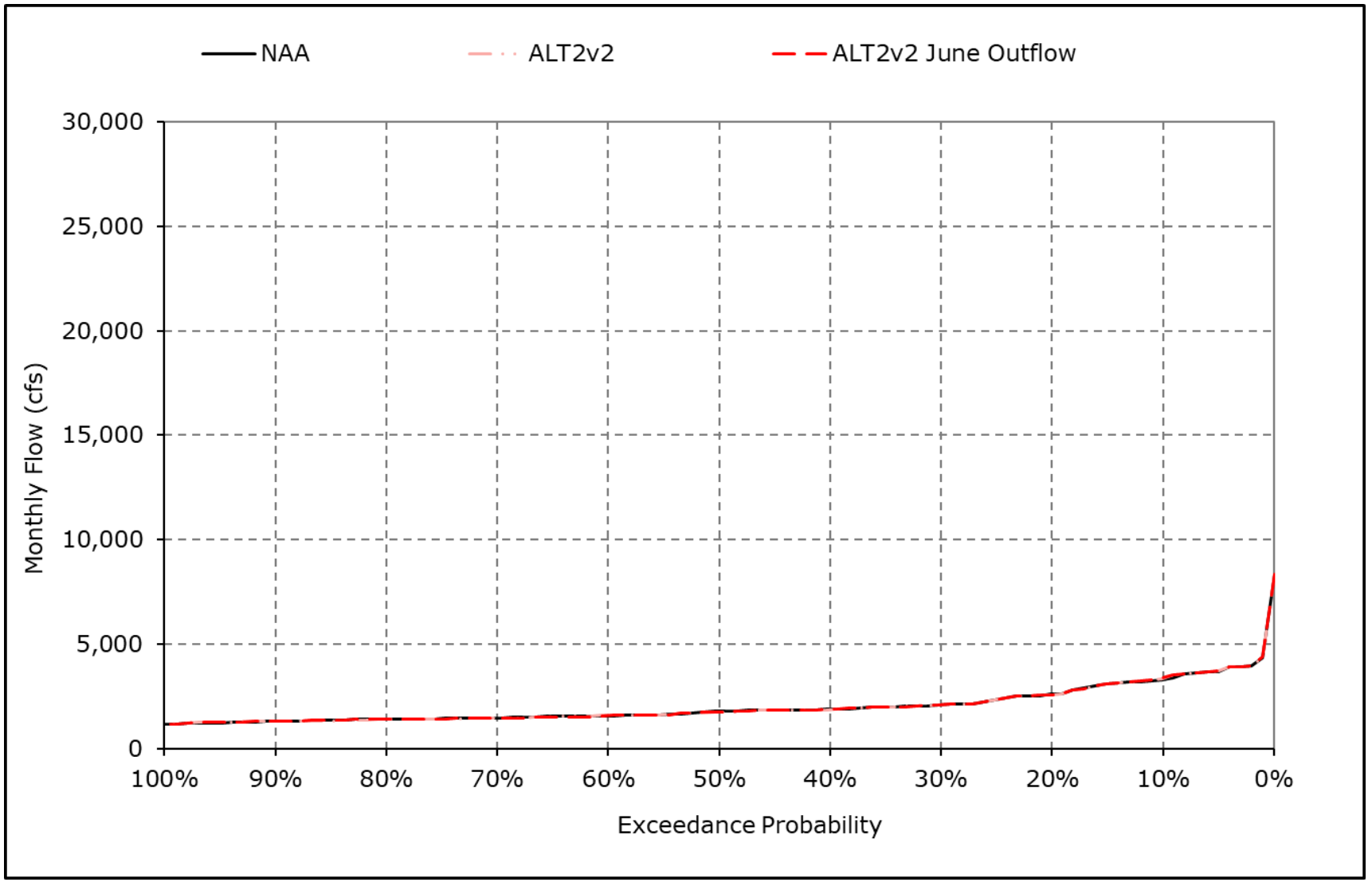
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-5. San Joaquin River at Vernalis (60-20-20), Dry Year Average Flow



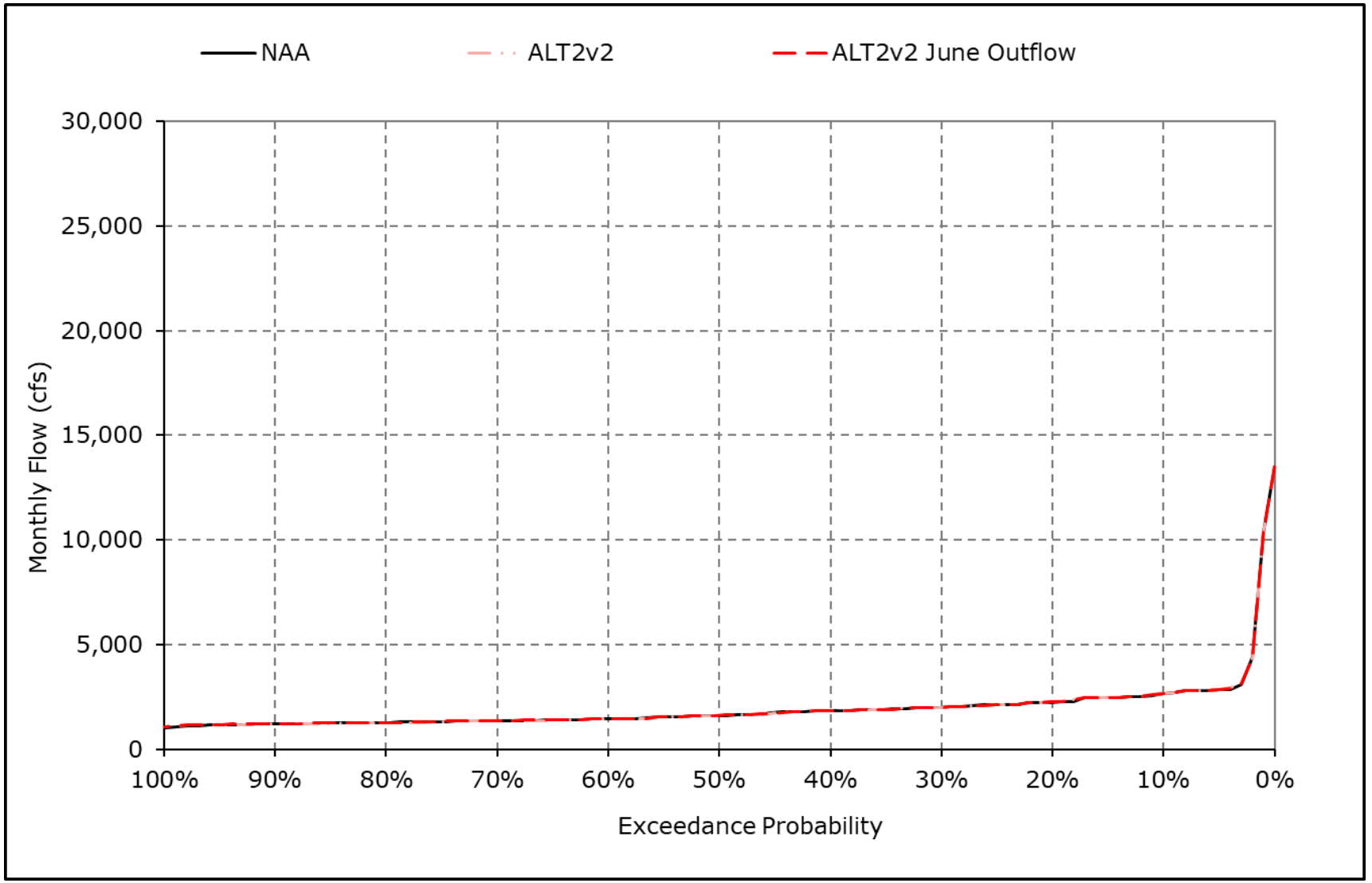
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-6. San Joaquin River at Vernalis (60-20-20), Critical Year Average Flow



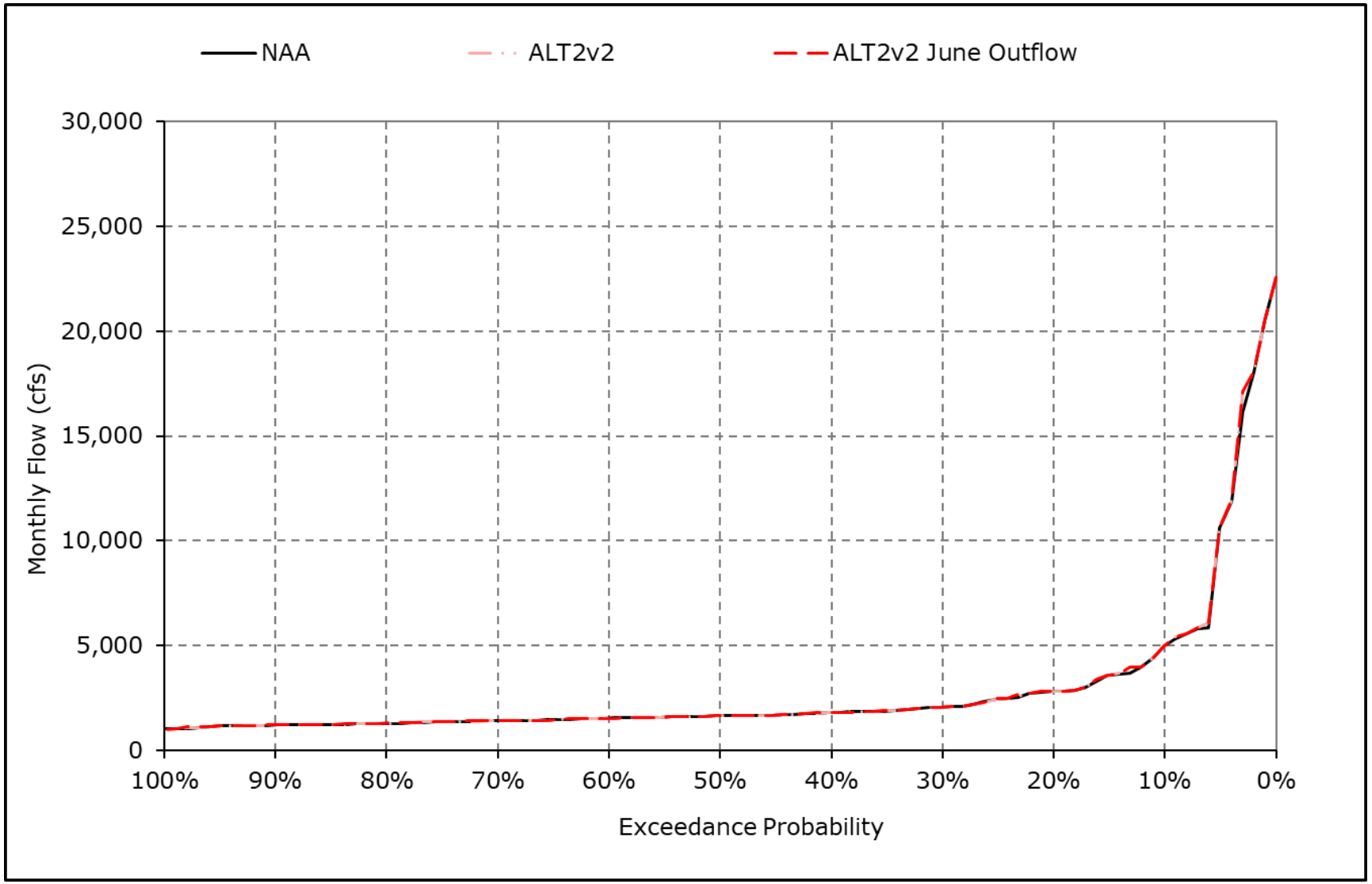
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-7. San Joaquin River at Vernalis (60-20-20), October



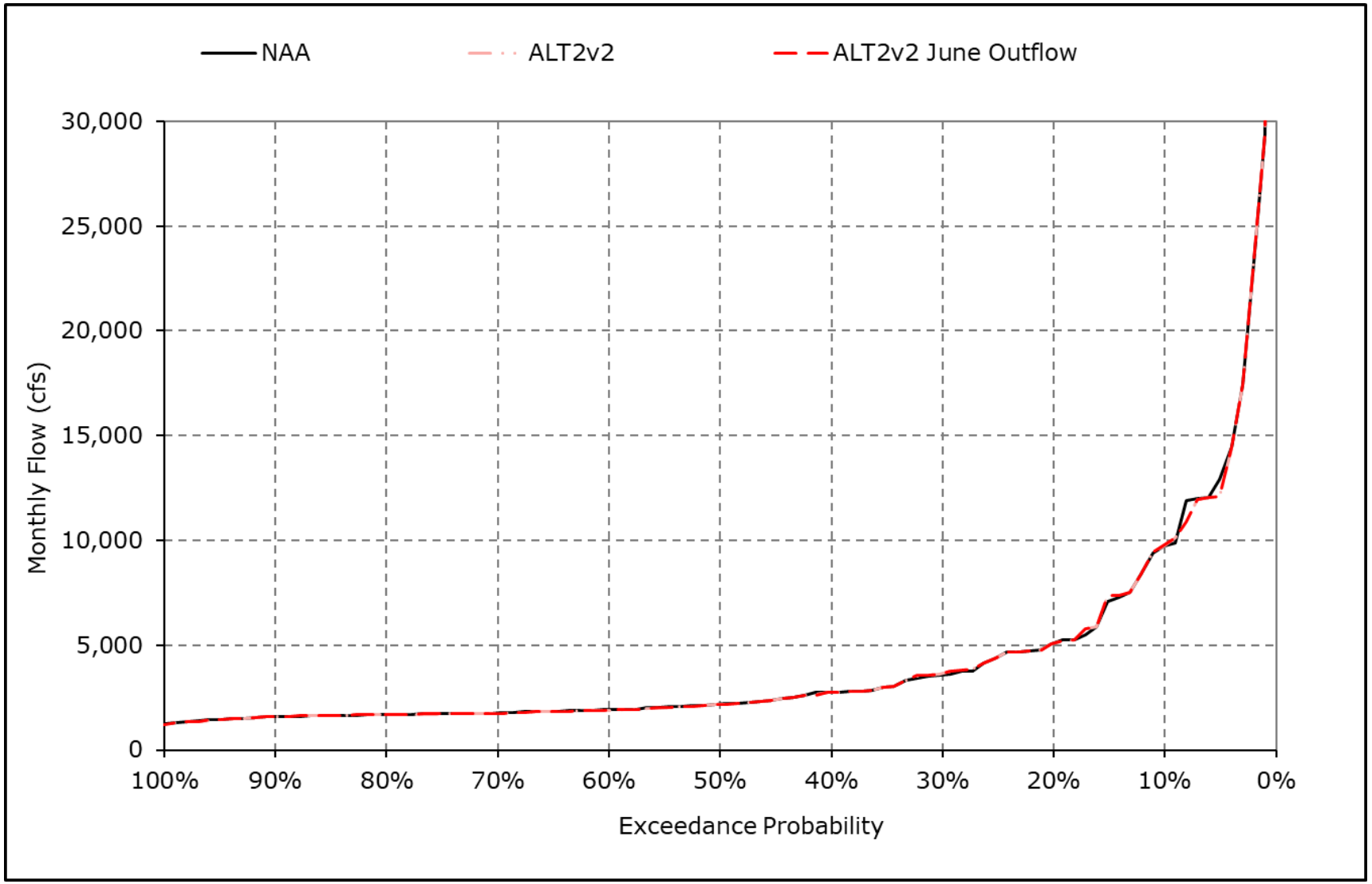
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-8. San Joaquin River at Vernalis (60-20-20), November



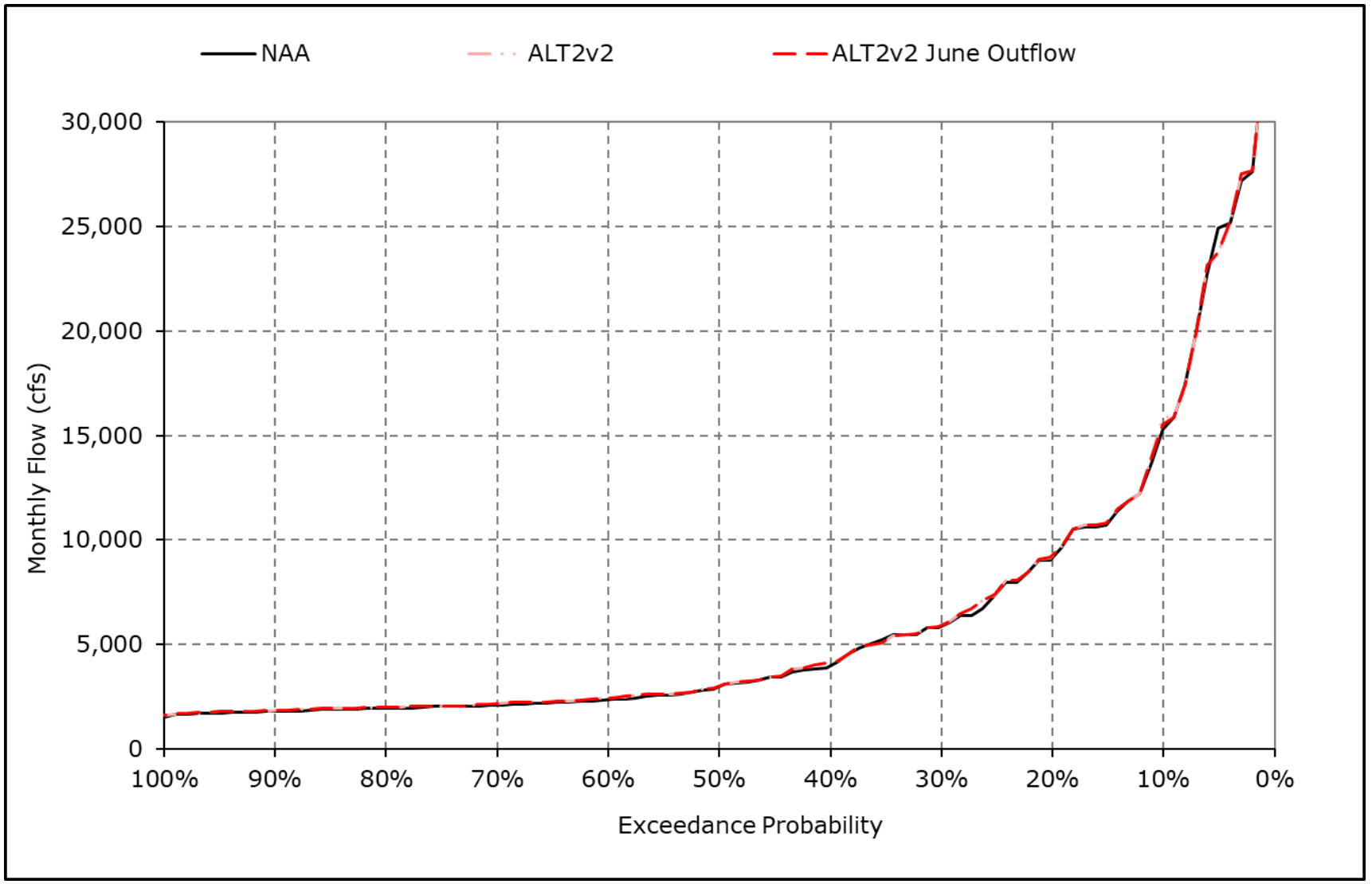
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-9. San Joaquin River at Vernalis (60-20-20), December



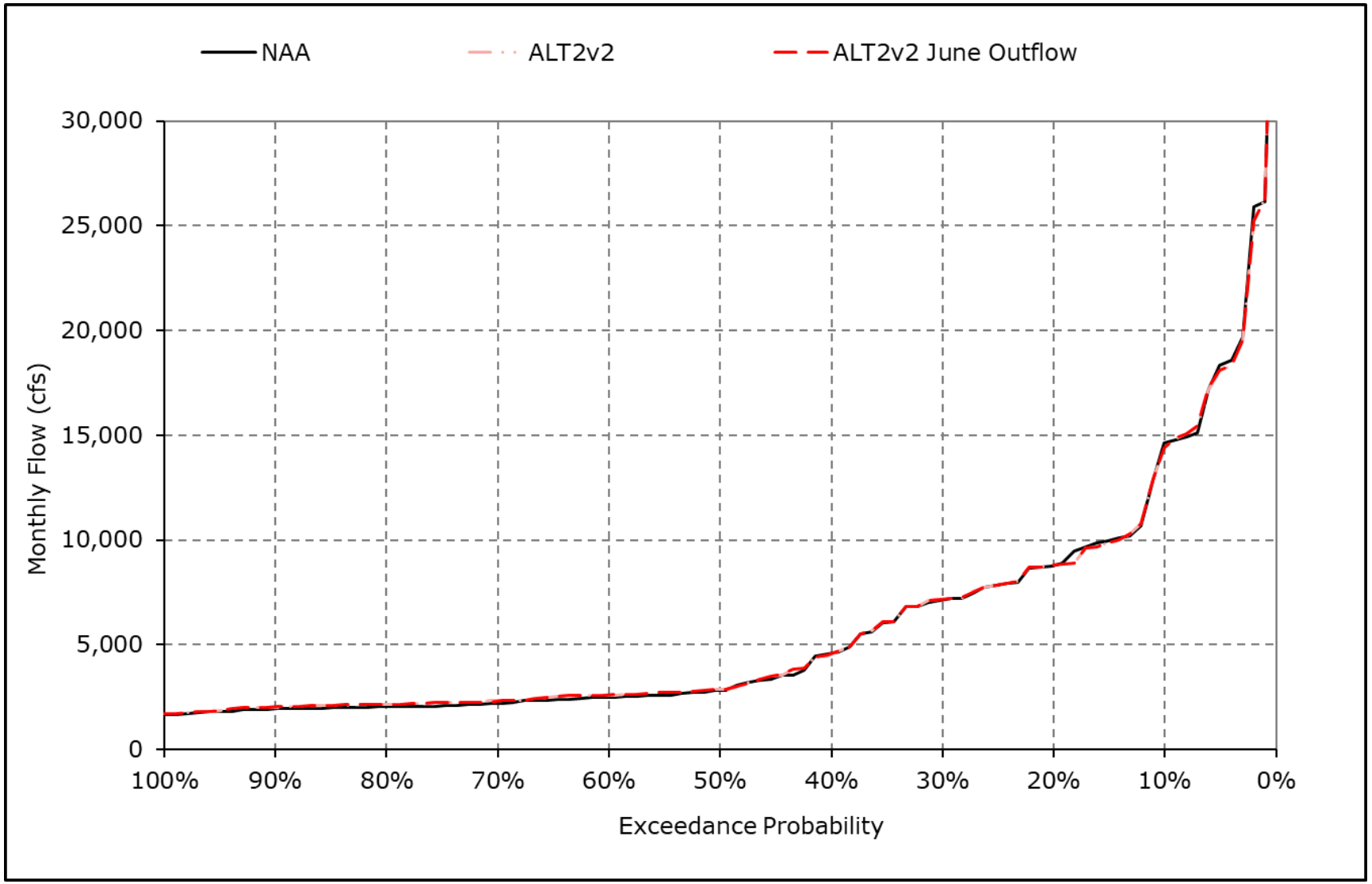
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-10. San Joaquin River at Vernalis (60-20-20), January



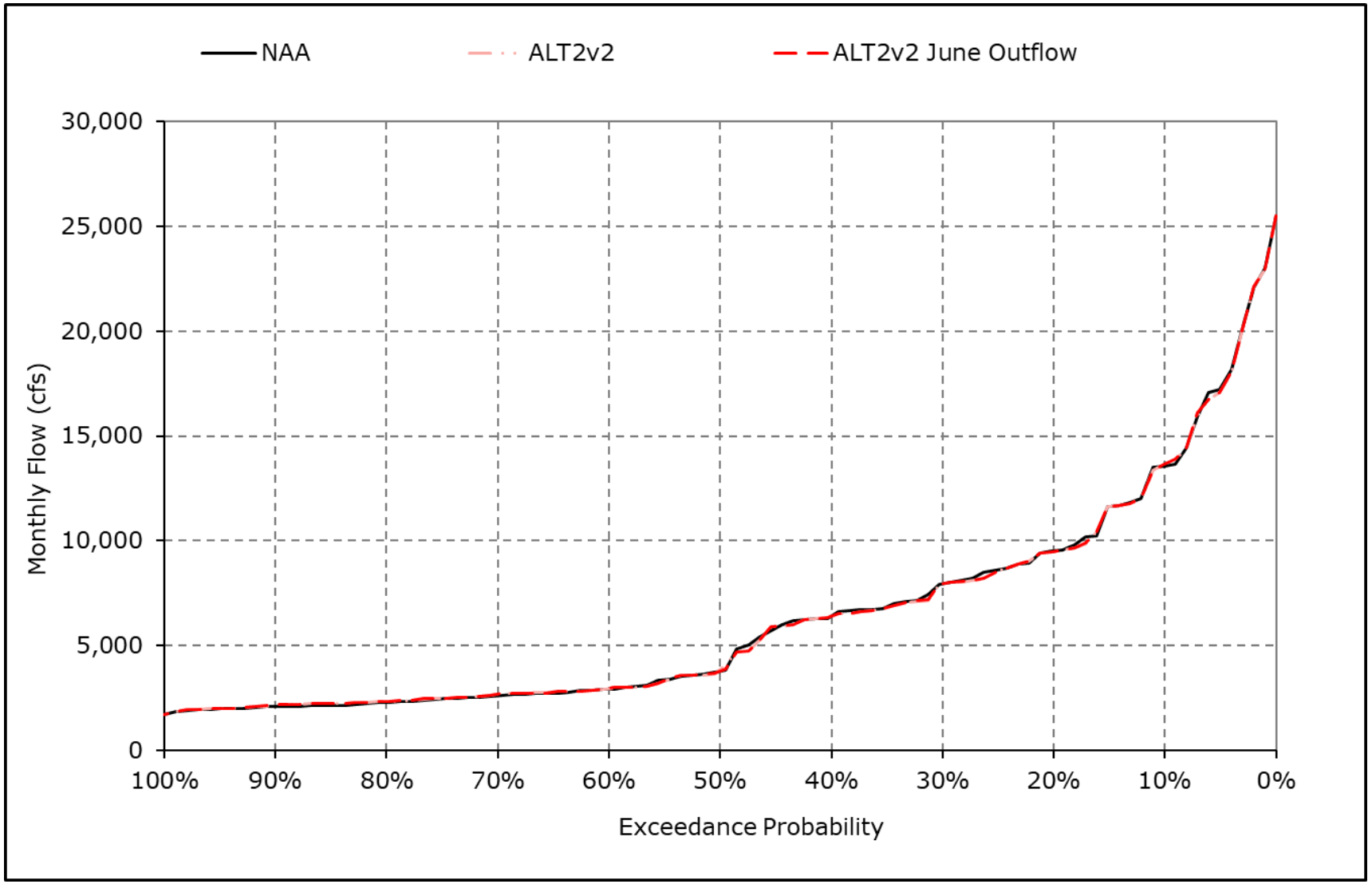
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-11. San Joaquin River at Vernalis (60-20-20), February



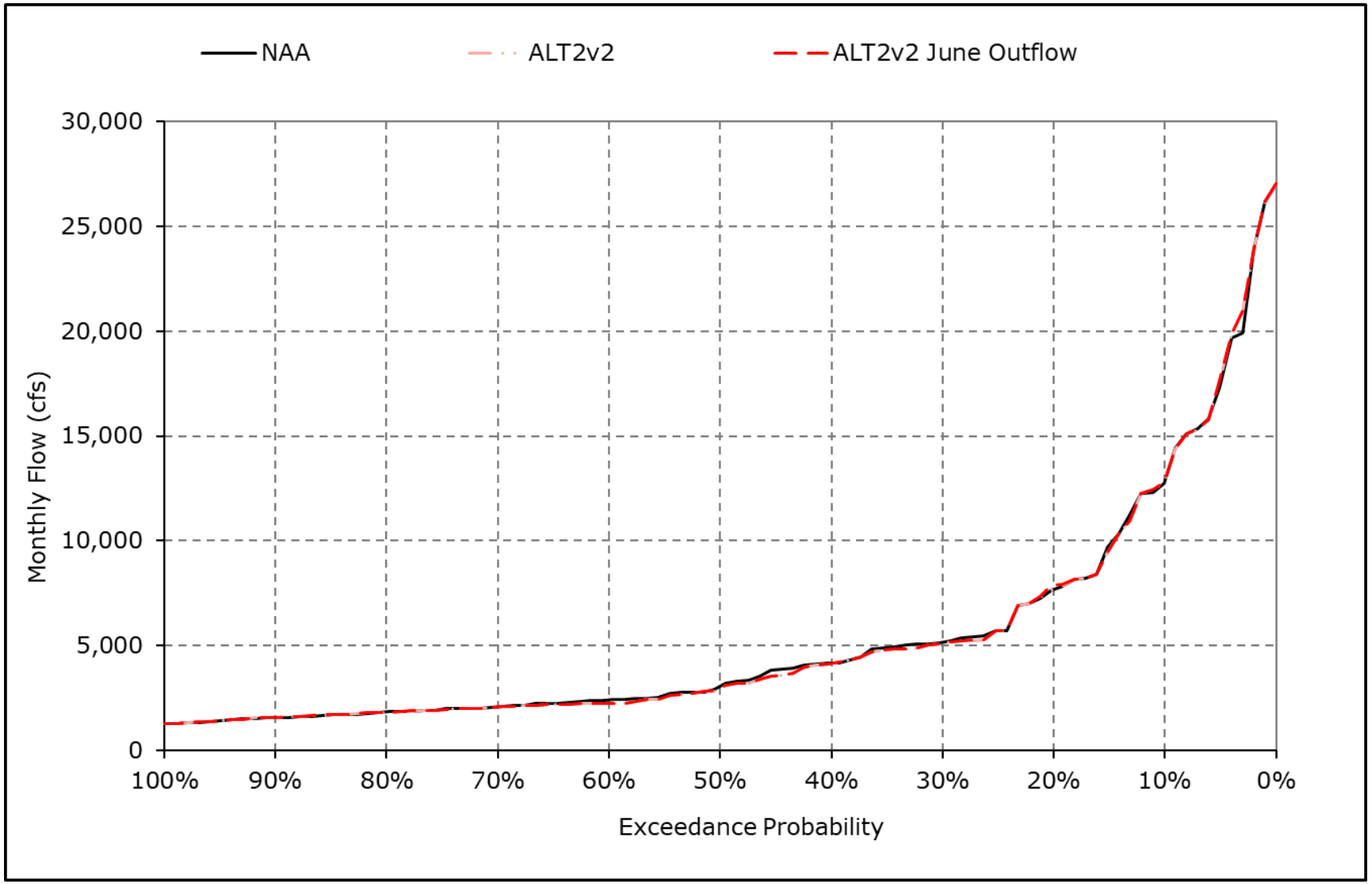
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-12. San Joaquin River at Vernalis (60-20-20), March



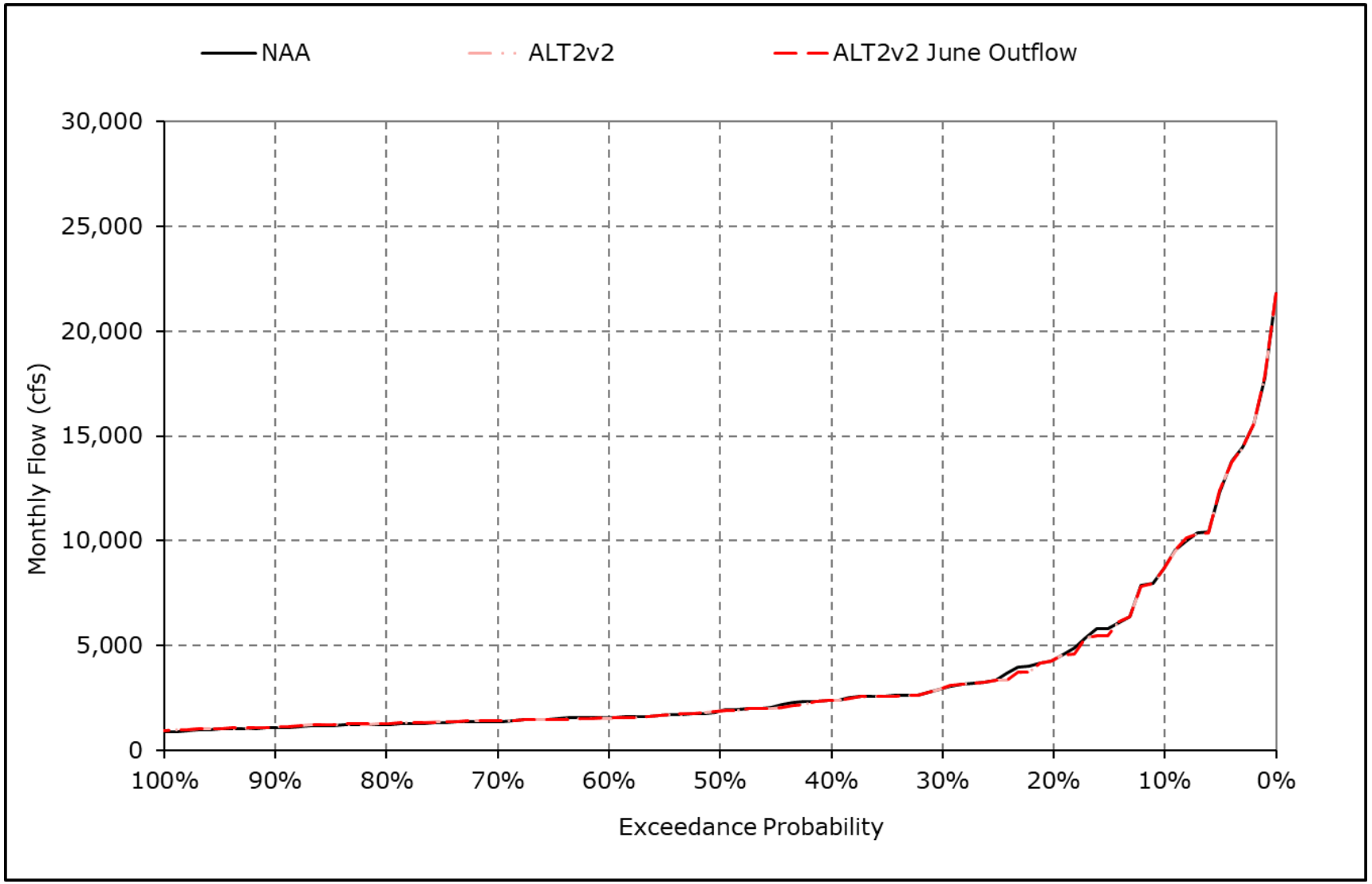
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-13. San Joaquin River at Vernalis (60-20-20), April



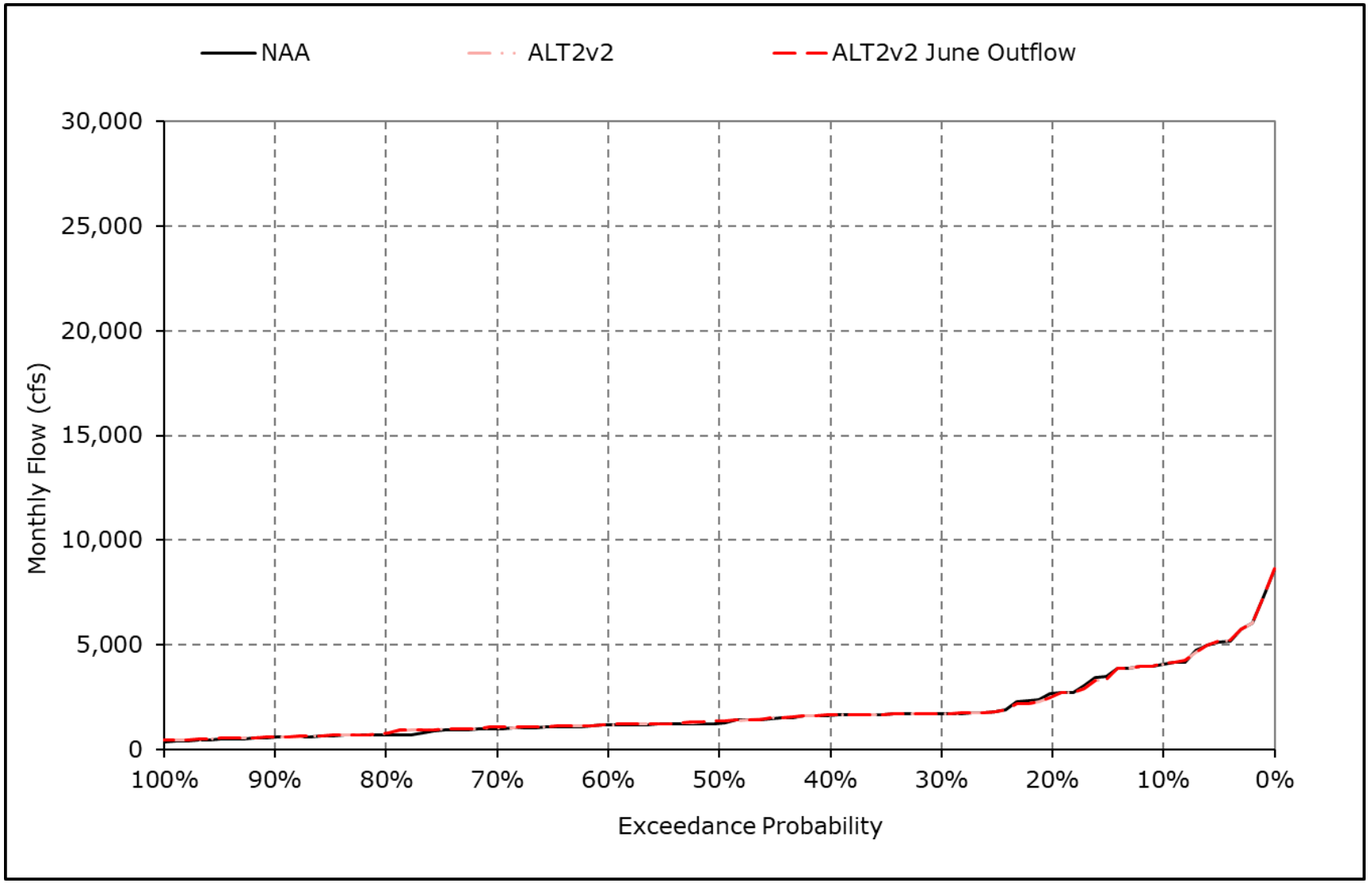
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-14. San Joaquin River at Vernalis (60-20-20), May



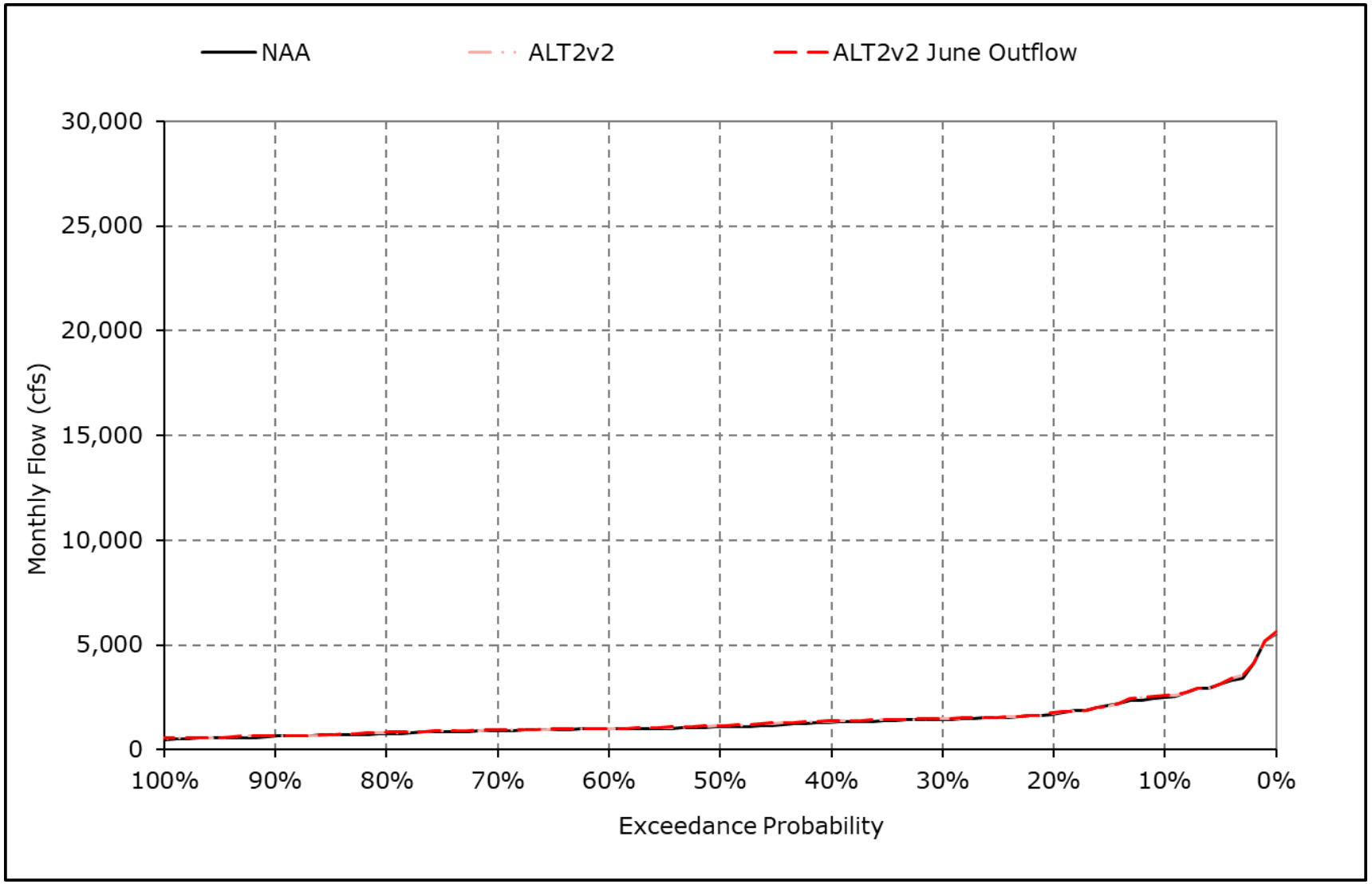
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-22-15. San Joaquin River at Vernalis (60-20-20), June



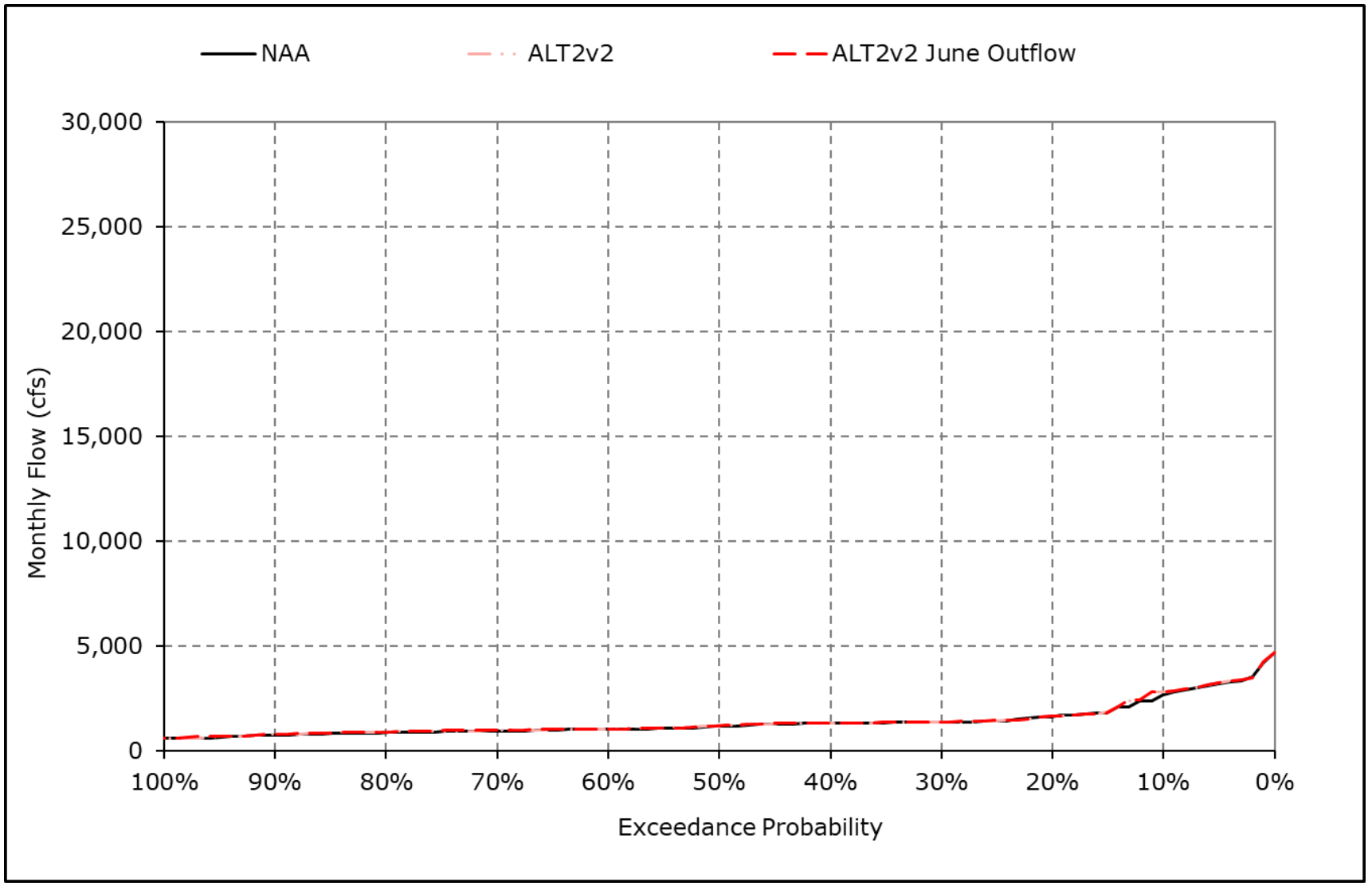
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-23-1c. Old and Middle River Flow, ALT2v2 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.2.2-23-2a. 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, ALT2v2 June Outflow, Monthly Flow (combined flows)(cfs)

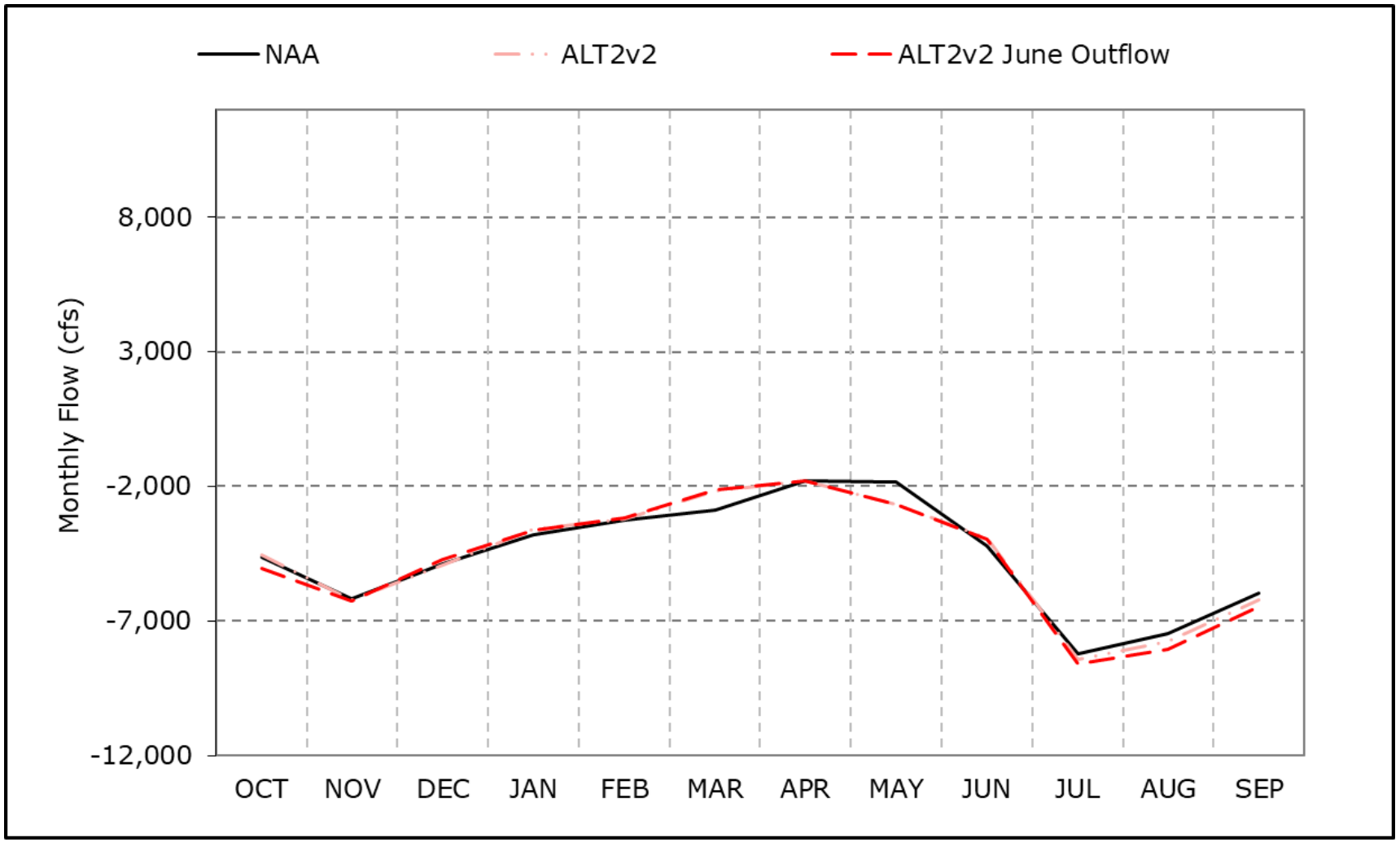
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,778	-1,383	-2,066	-3,127	-1,017	-1,174	-196	-1,536	-1,864	-3,767	-2,788	-3,777
20% Exceedance	-2,088	-2,486	-3,219	-3,522	-3,580	-1,249	-971	-1,807	-3,329	-5,957	-4,038	-4,390
30% Exceedance	-2,729	-4,300	-4,537	-3,670	-3,741	-1,485	-1,398	-2,224	-4,400	-7,668	-5,686	-4,894
40% Exceedance	-4,671	-6,198	-5,290	-4,055	-3,974	-1,705	-1,664	-2,678	-4,400	-8,702	-8,140	-5,280
50% Exceedance	-5,188	-7,712	-5,290	-4,303	-4,030	-2,118	-1,812	-2,845	-4,475	-9,587	-9,523	-5,914
60% Exceedance	-5,930	-8,459	-5,290	-4,364	-4,126	-3,306	-2,174	-3,149	-4,475	-9,972	-10,457	-6,584
70% Exceedance	-6,615	-8,802	-5,290	-4,516	-4,226	-3,650	-2,403	-3,404	-4,490	-10,769	-10,756	-7,518
80% Exceedance	-7,372	-9,251	-5,290	-4,625	-4,449	-3,875	-2,996	-3,782	-4,505	-11,166	-11,134	-9,472
90% Exceedance	-9,064	-9,499	-6,499	-5,000	-4,466	-4,281	-3,443	-4,035	-4,505	-11,416	-11,480	-10,373
Full Simulation Period Average[a]	-5,069	-6,276	-4,711	-3,622	-3,180	-2,132	-1,790	-2,669	-3,946	-8,607	-8,041	-6,461
Wet Water Years (28%)	-7,582	-8,468	-5,065	-2,613	-1,947	-1,663	-1,878	-2,770	-4,102	-9,724	-10,545	-8,409
Above Normal Water Years (14%)	-5,772	-8,714	-5,396	-4,235	-3,700	-1,927	-1,408	-3,288	-4,389	-10,612	-11,178	-7,161
Below Normal Water Years (18%)	-4,906	-6,481	-4,881	-4,148	-3,873	-1,866	-2,045	-2,946	-4,496	-9,942	-9,678	-6,995
Dry Water Years (24%)	-3,527	-4,959	-3,740	-4,255	-3,632	-2,850	-1,853	-2,475	-4,274	-8,436	-5,608	-5,379
Critical Water Years (16%)	-2,337	-1,605	-4,714	-3,309	-3,422	-2,351	-1,587	-1,930	-2,175	-3,654	-2,721	-3,462

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (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, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (combined flows)(cfs)

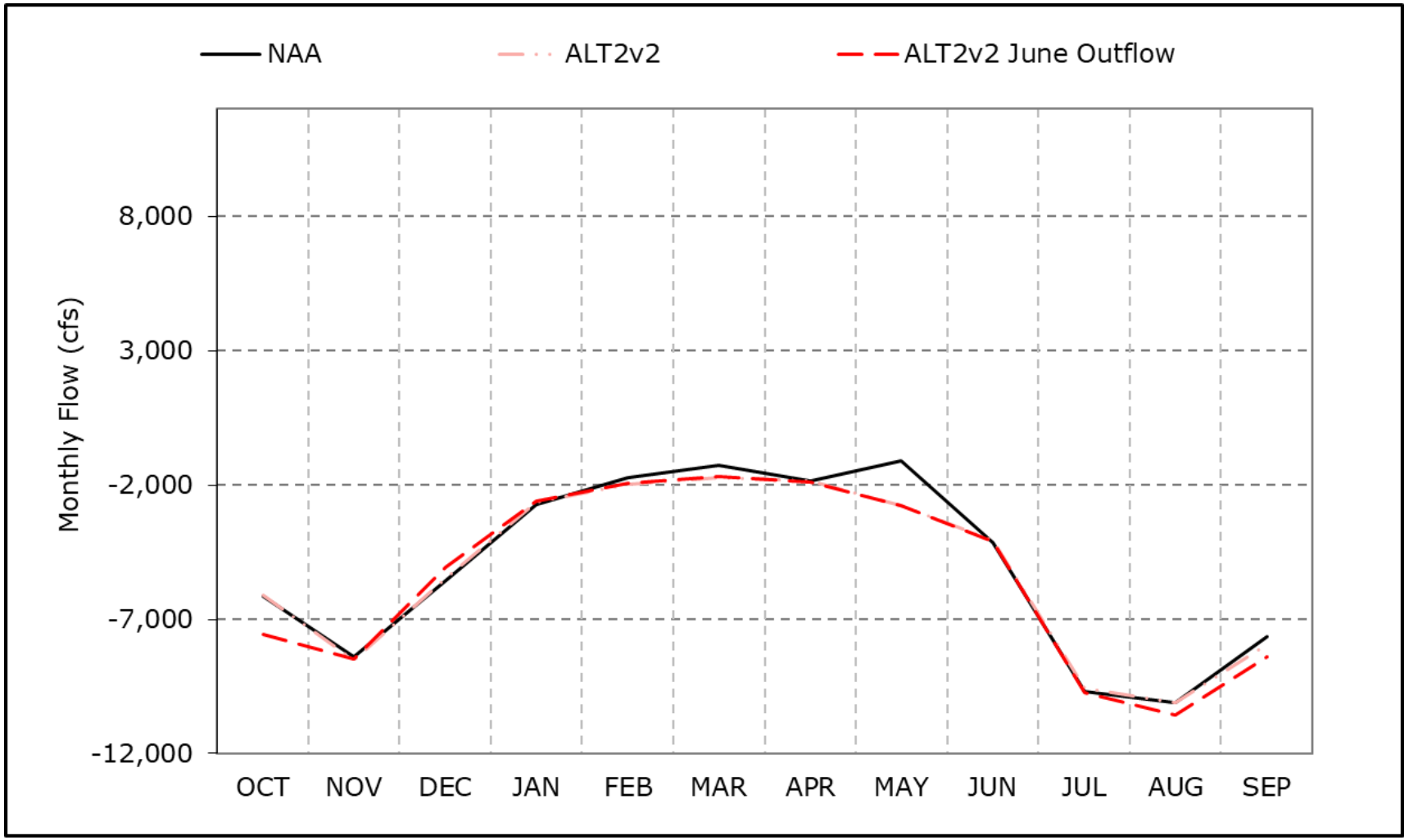
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	147	261	-204	353	-275	505	440	-402	53	-1,639	-97	-727
20% Exceedance	114	2	7	123	440	2,037	-79	-300	39	-333	-307	-193
30% Exceedance	193	52	146	-25	320	2,015	51	-447	-45	-254	-691	-364
40% Exceedance	-435	-669	0	461	170	1,795	104	-768	280	-54	-1,433	-294
50% Exceedance	-319	-36	0	213	130	1,382	184	-821	419	-122	-504	-374
60% Exceedance	-618	-248	0	152	191	194	-28	-945	525	57	-750	-249
70% Exceedance	-838	-223	0	0	189	5	-66	-1,042	510	-466	-472	-265
80% Exceedance	-1,170	-245	839	227	16	195	-562	-1,261	495	-373	-571	-854
90% Exceedance	-1,970	-141	975	0	17	-211	-24	-1,428	495	-307	-544	-1,279
Full Simulation Period Average[a]	-430	-98	164	165	88	756	9	-844	276	-366	-576	-487
Wet Water Years (28%)	-1,454	-68	504	105	-241	-403	-17	-1,675	57	-16	-429	-767
Above Normal Water Years (14%)	-837	-315	568	67	-172	1,242	242	-940	388	-589	-793	-1,307
Below Normal Water Years (18%)	246	-357	19	164	227	1,792	15	-832	363	-95	-635	-236
Dry Water Years (24%)	117	-100	-36	187	398	1,083	242	-270	522	-433	-789	111
Critical Water Years (16%)	202	377	-384	321	270	702	-508	-183	97	-986	-258	-460

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



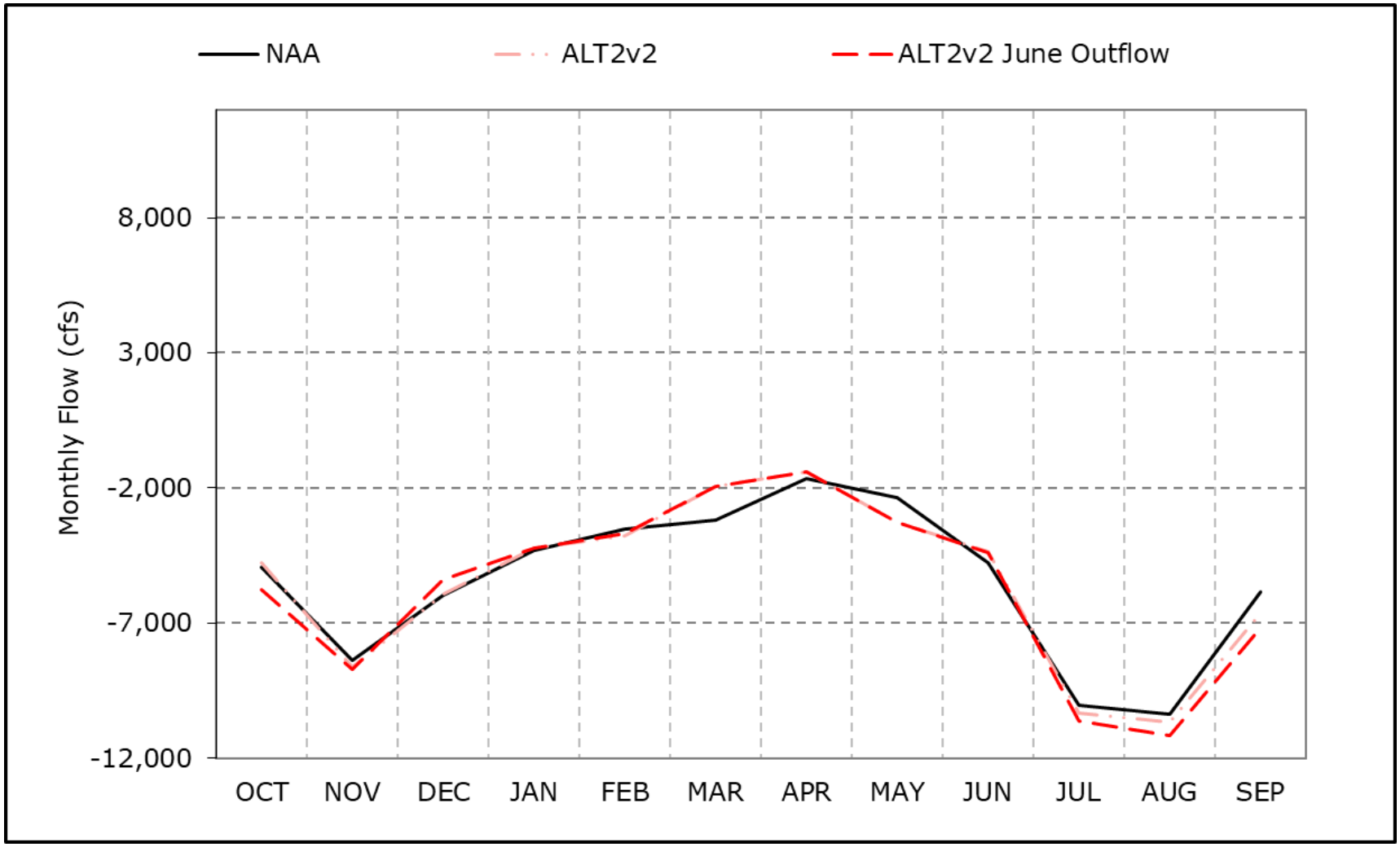
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-1. Old and Middle River Flow, Long-Term Average Flow



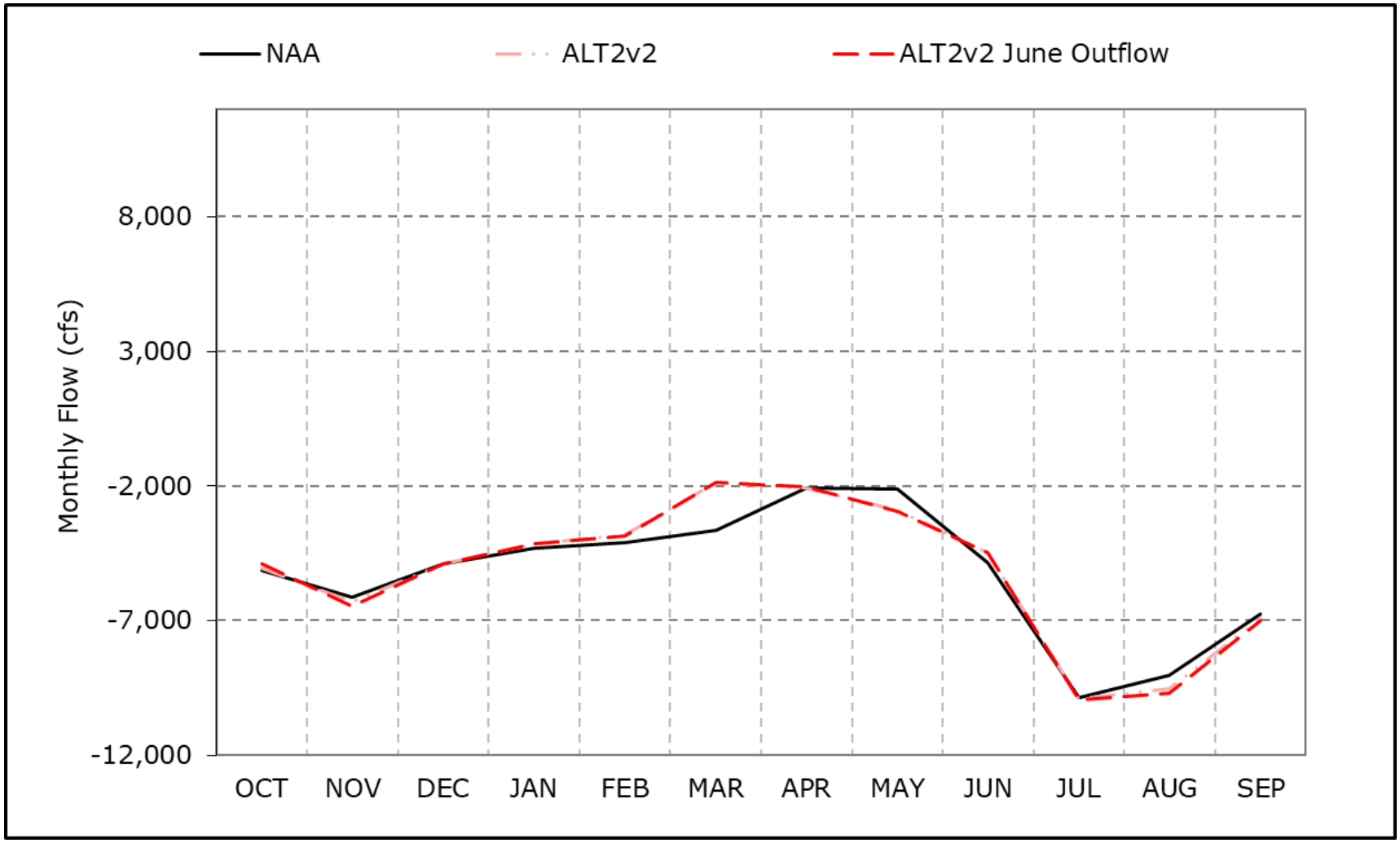
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-2. Old and Middle River Flow, Wet Year Average Flow



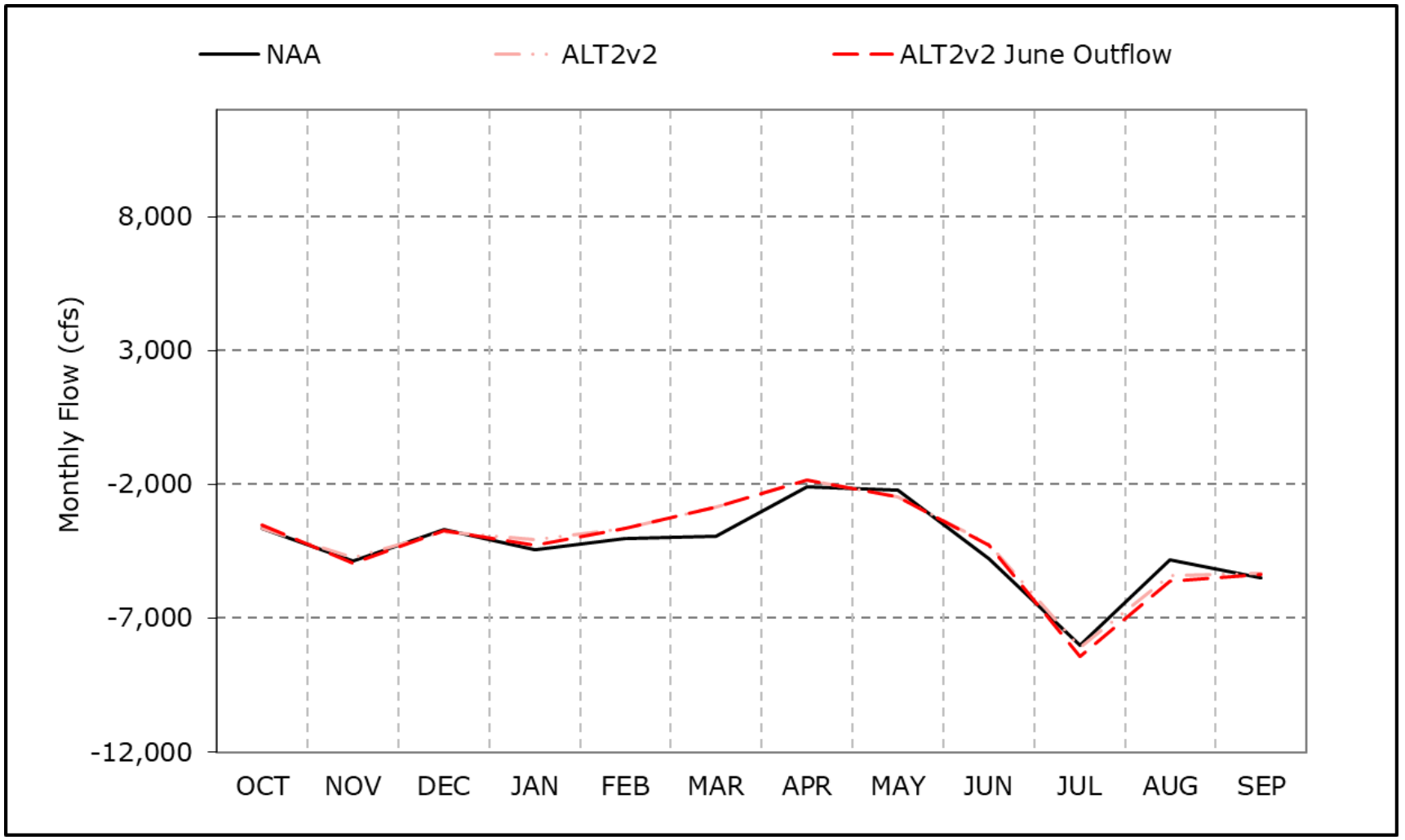
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-3. Old and Middle River Flow, Above Normal Year Average Flow



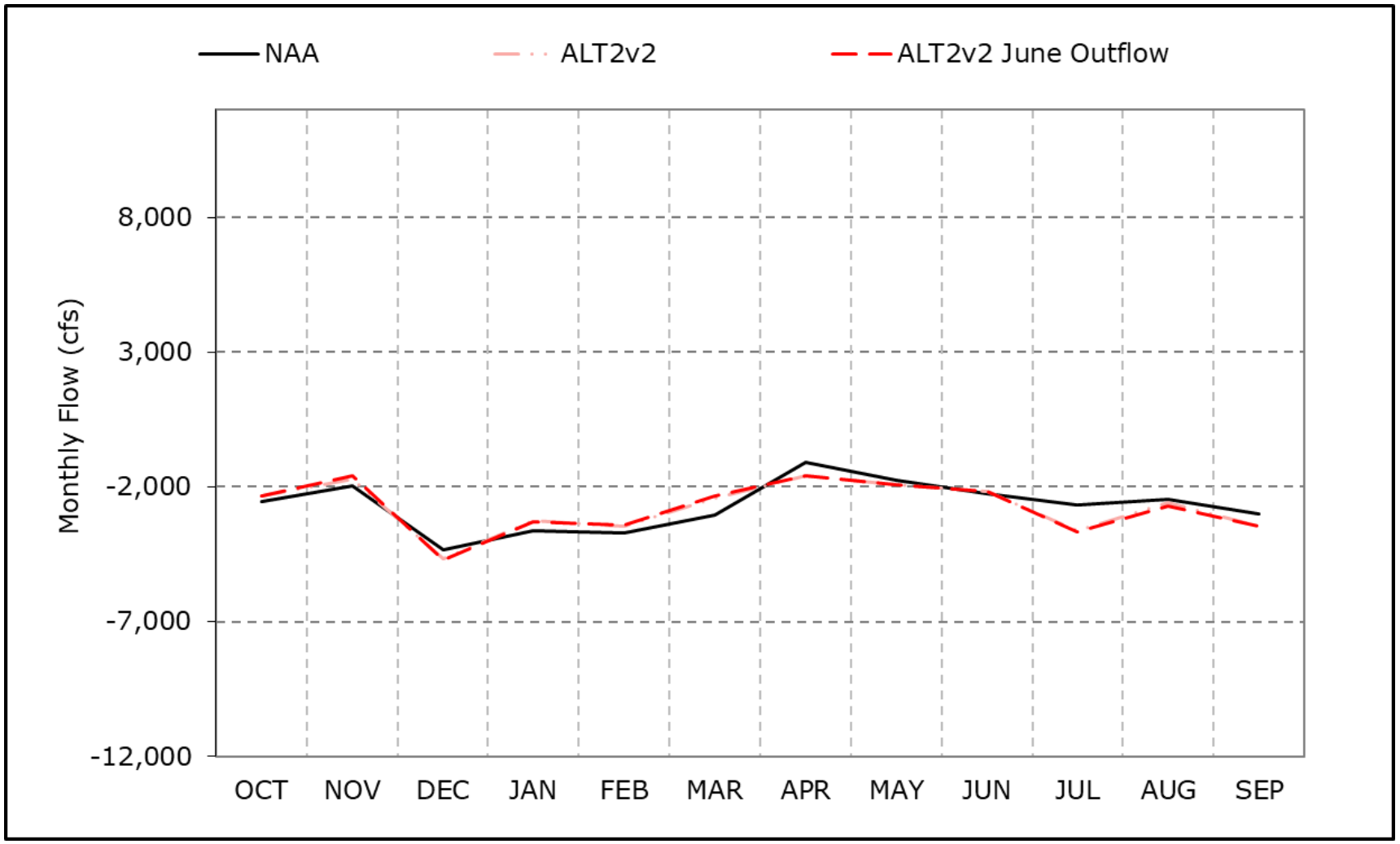
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-4. Old and Middle River Flow, Below Normal Year Average Flow



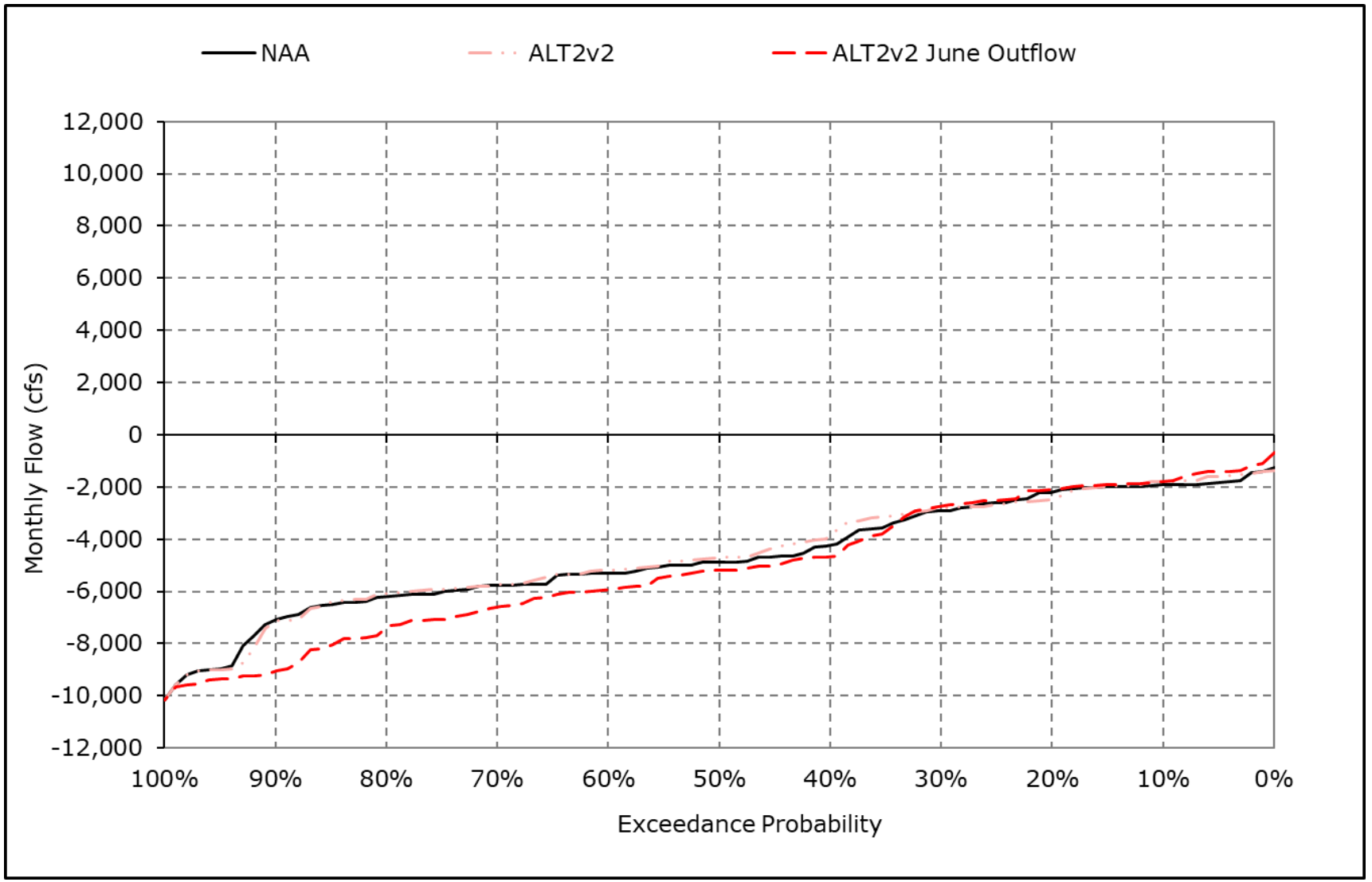
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-5. Old and Middle River Flow, Dry Year Average Flow



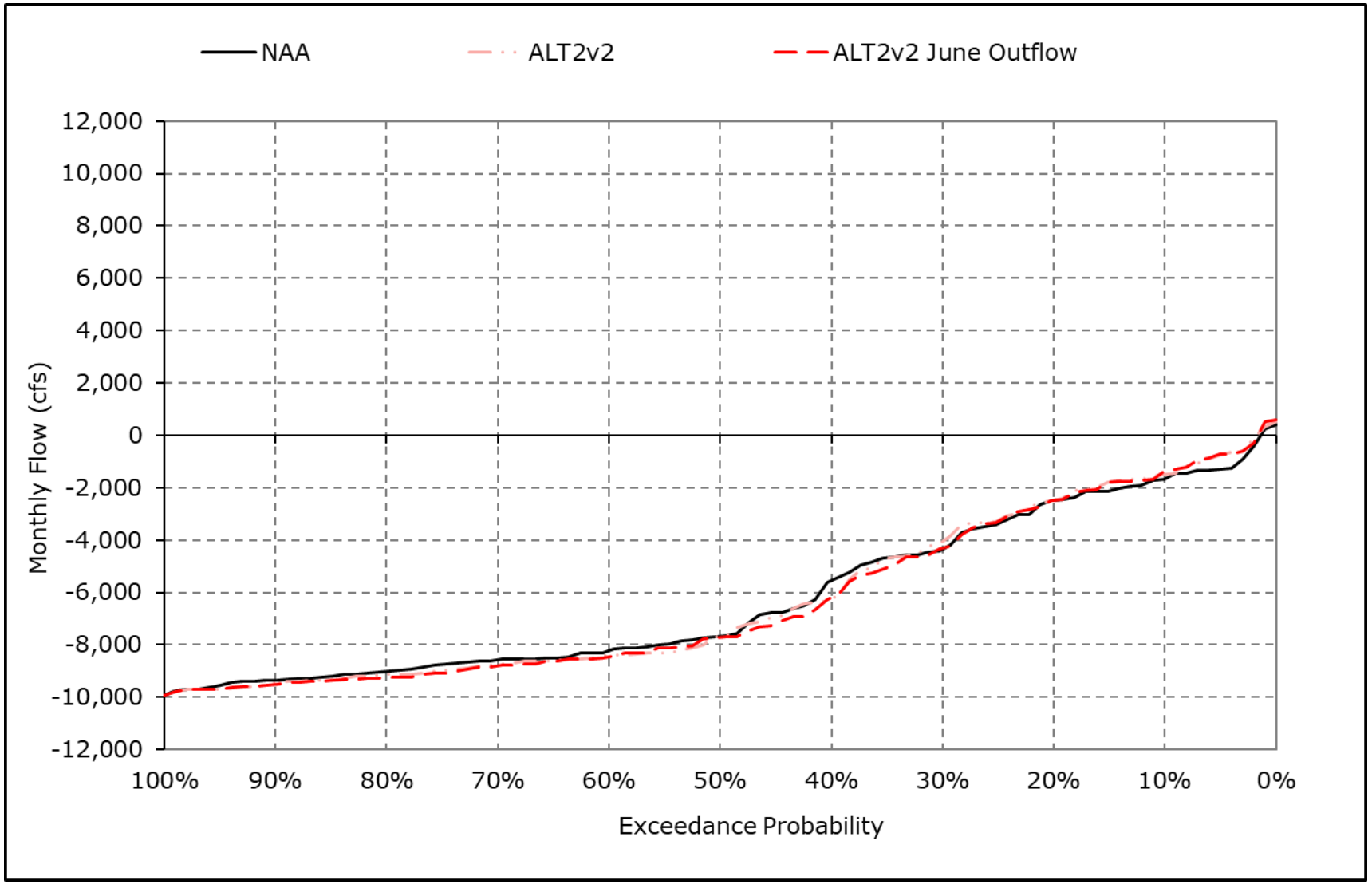
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-23-6. Old and Middle River Flow, Critical Year Average Flow



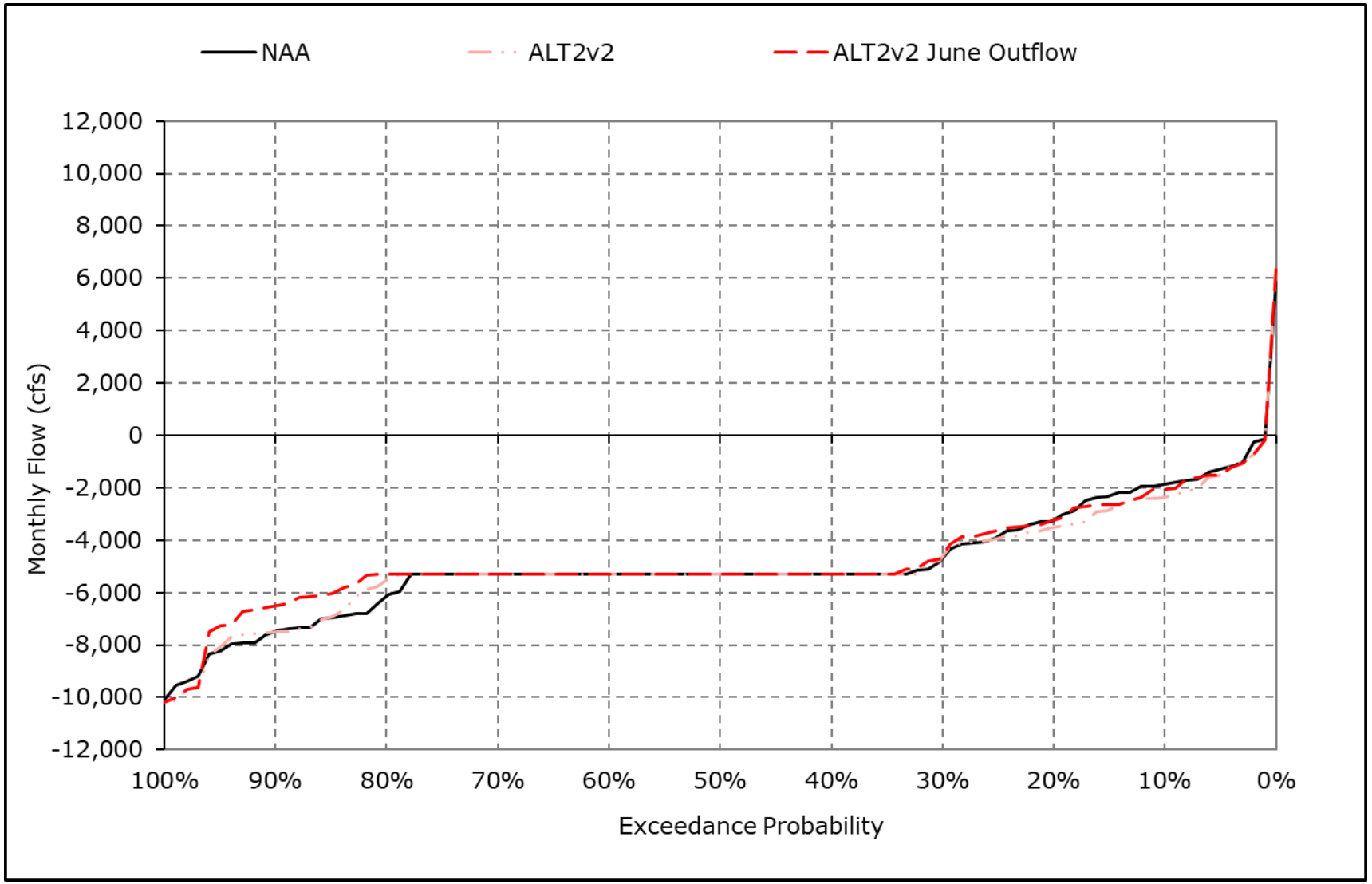
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-7. Old and Middle River Flow, October



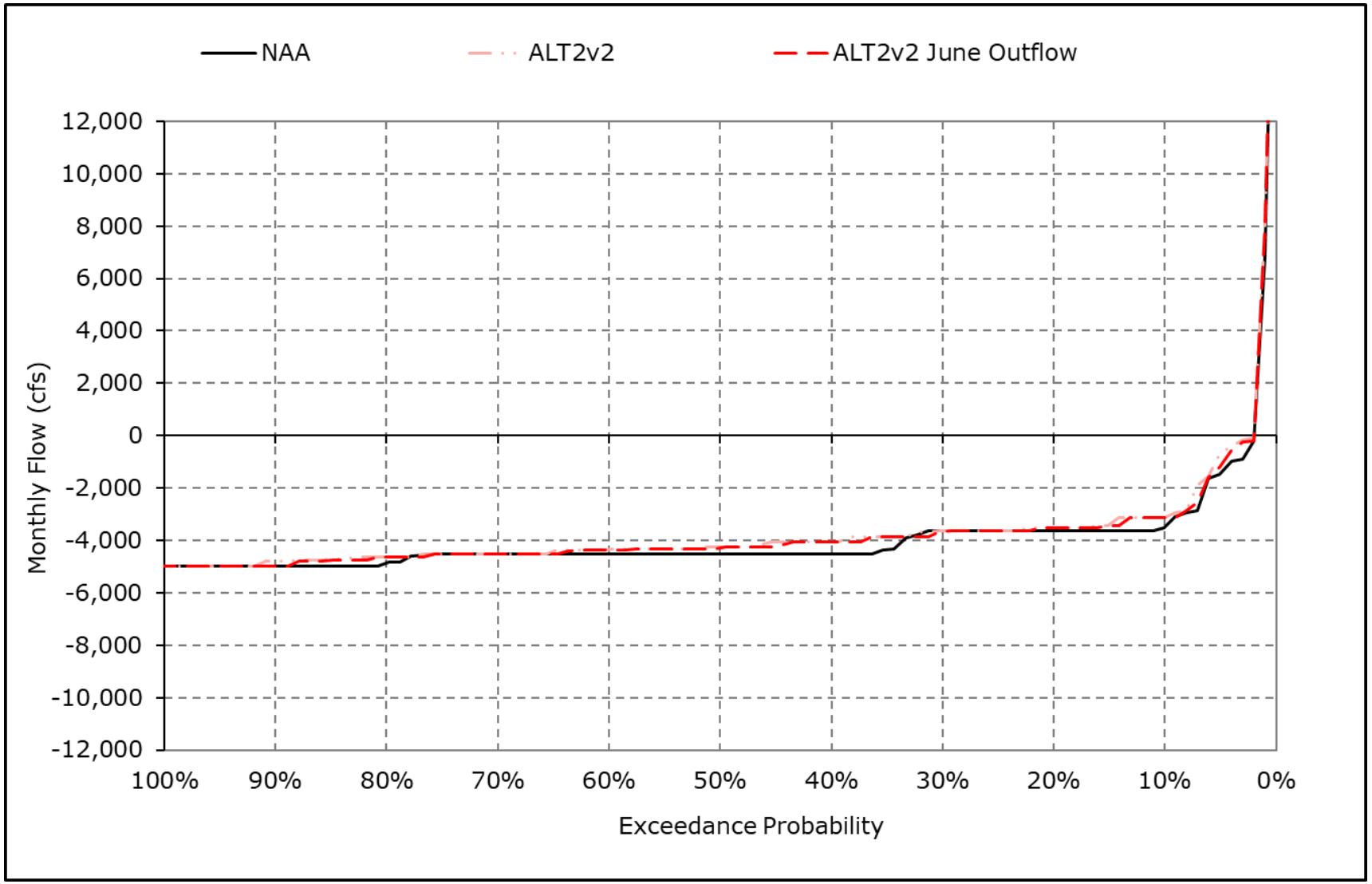
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-8. Old and Middle River Flow, November



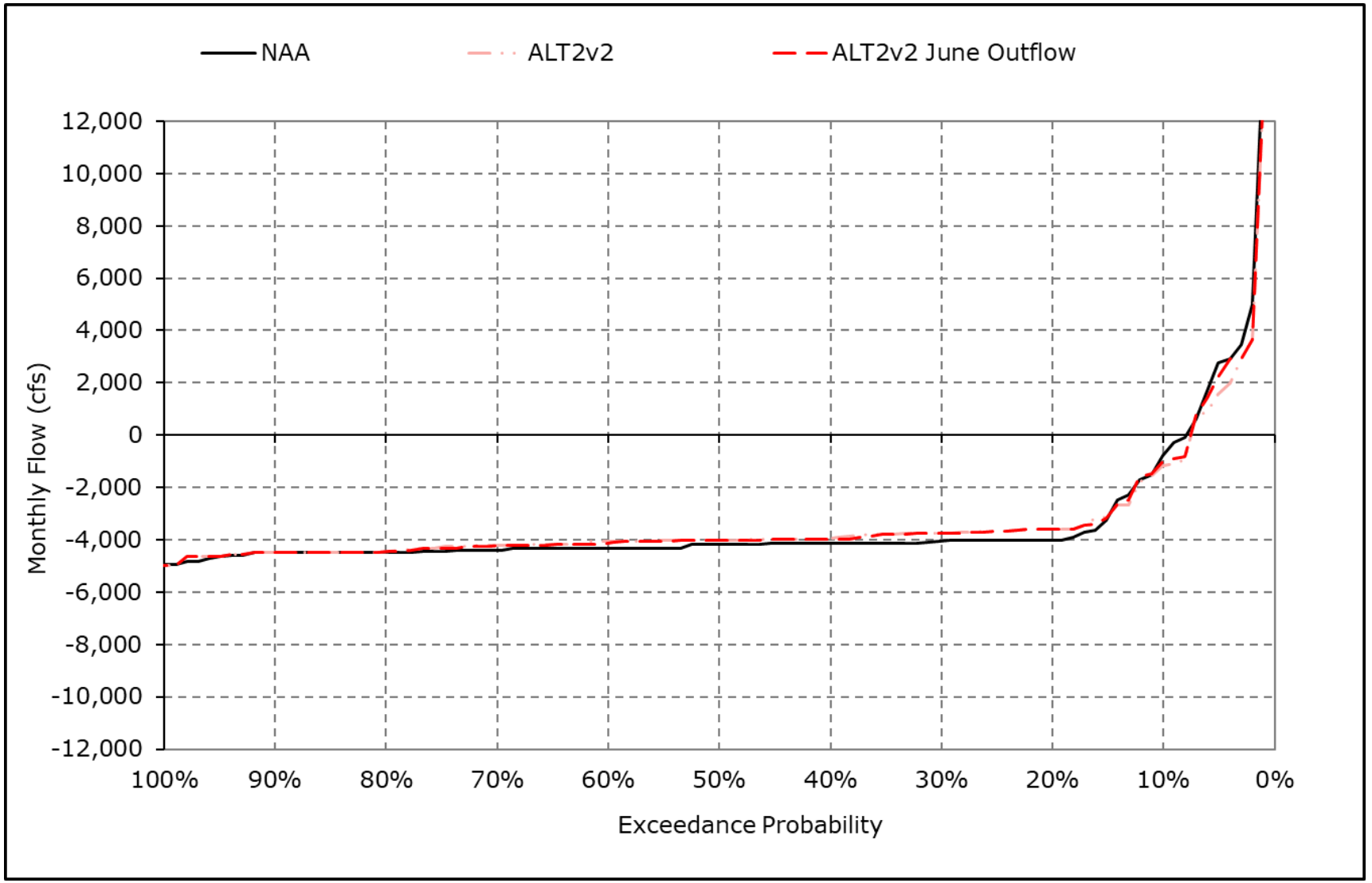
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-9. Old and Middle River Flow, December



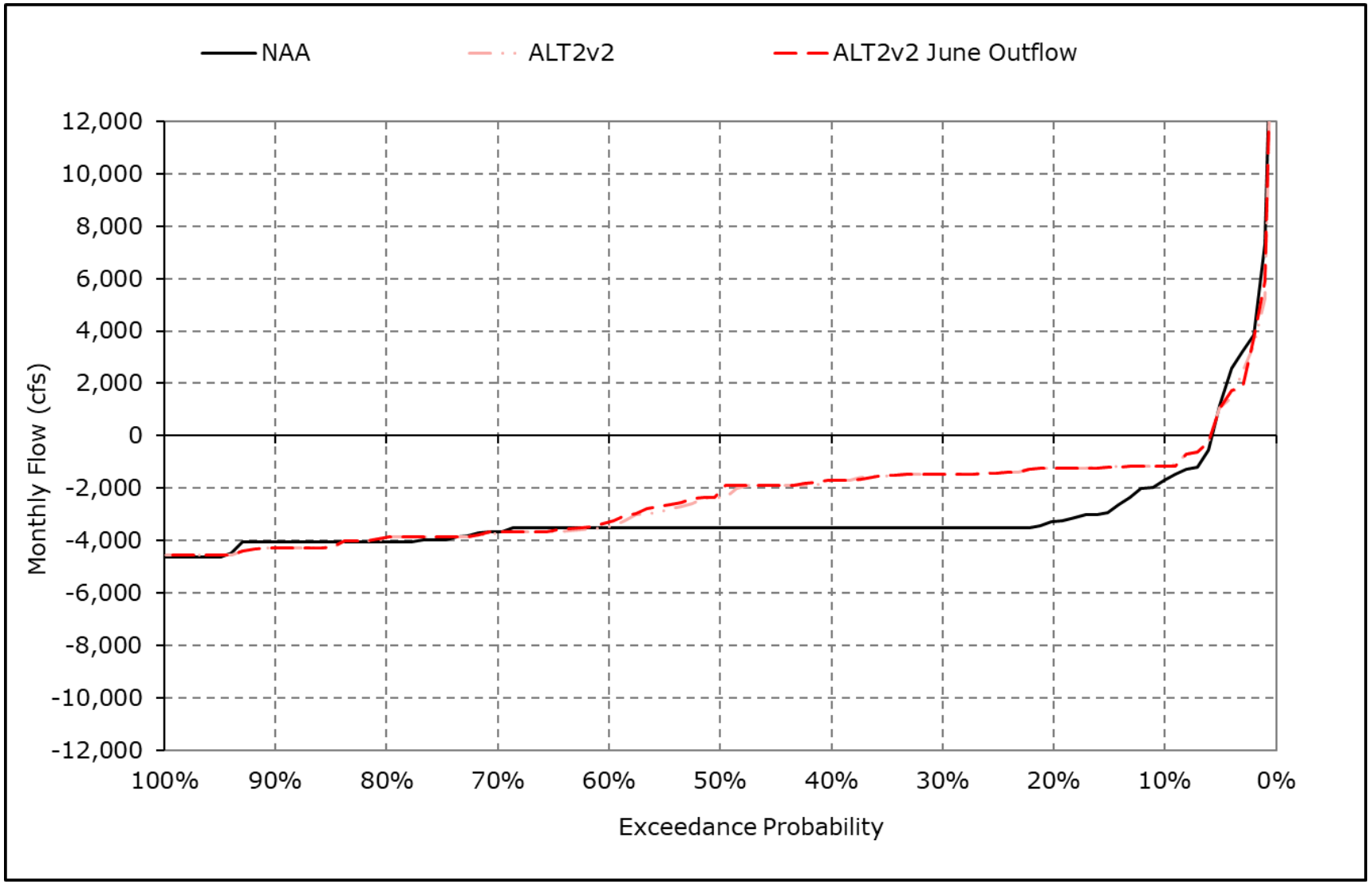
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-10. Old and Middle River Flow, January



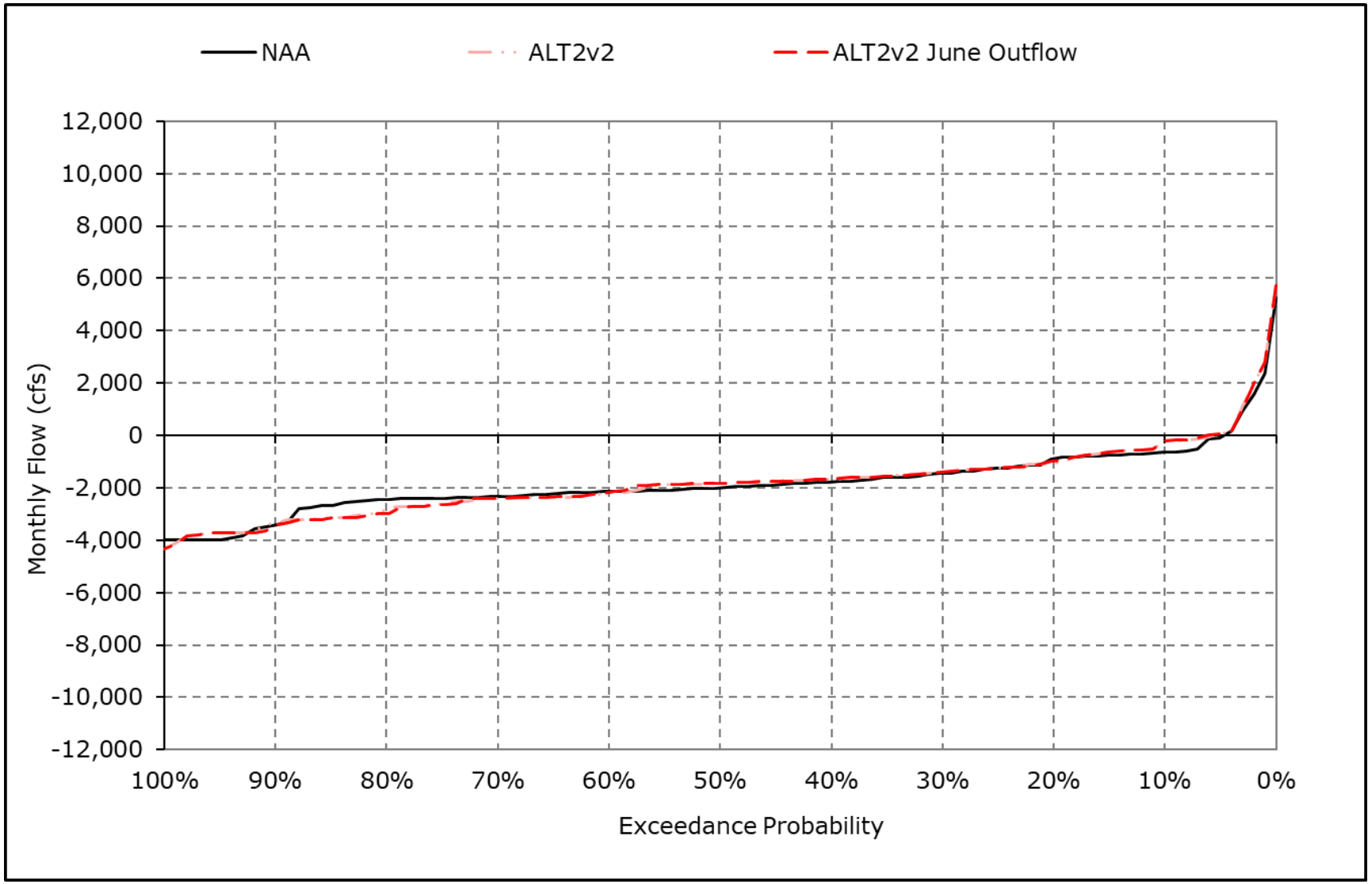
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-11. Old and Middle River Flow, February



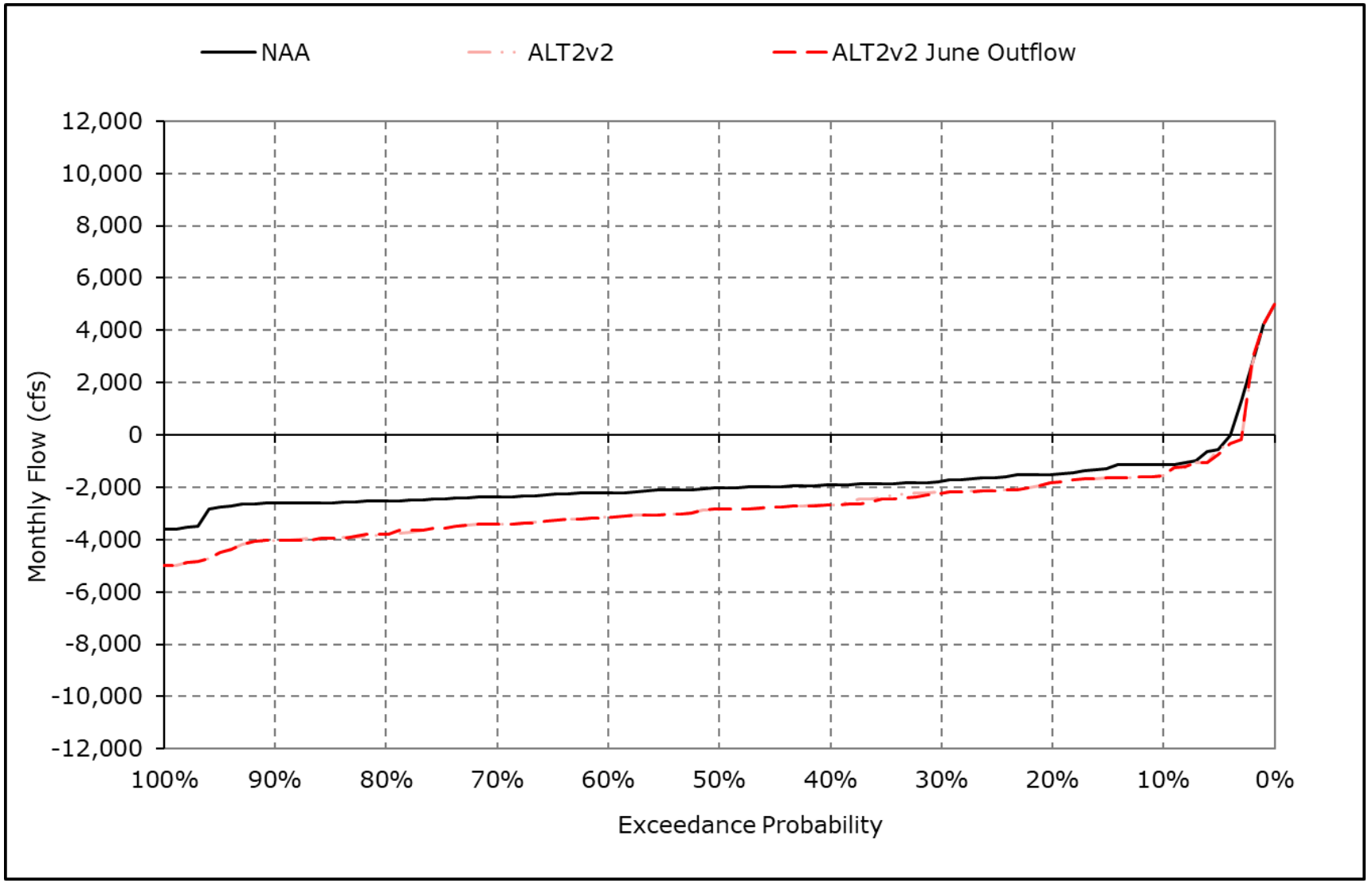
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-12. Old and Middle River Flow, March



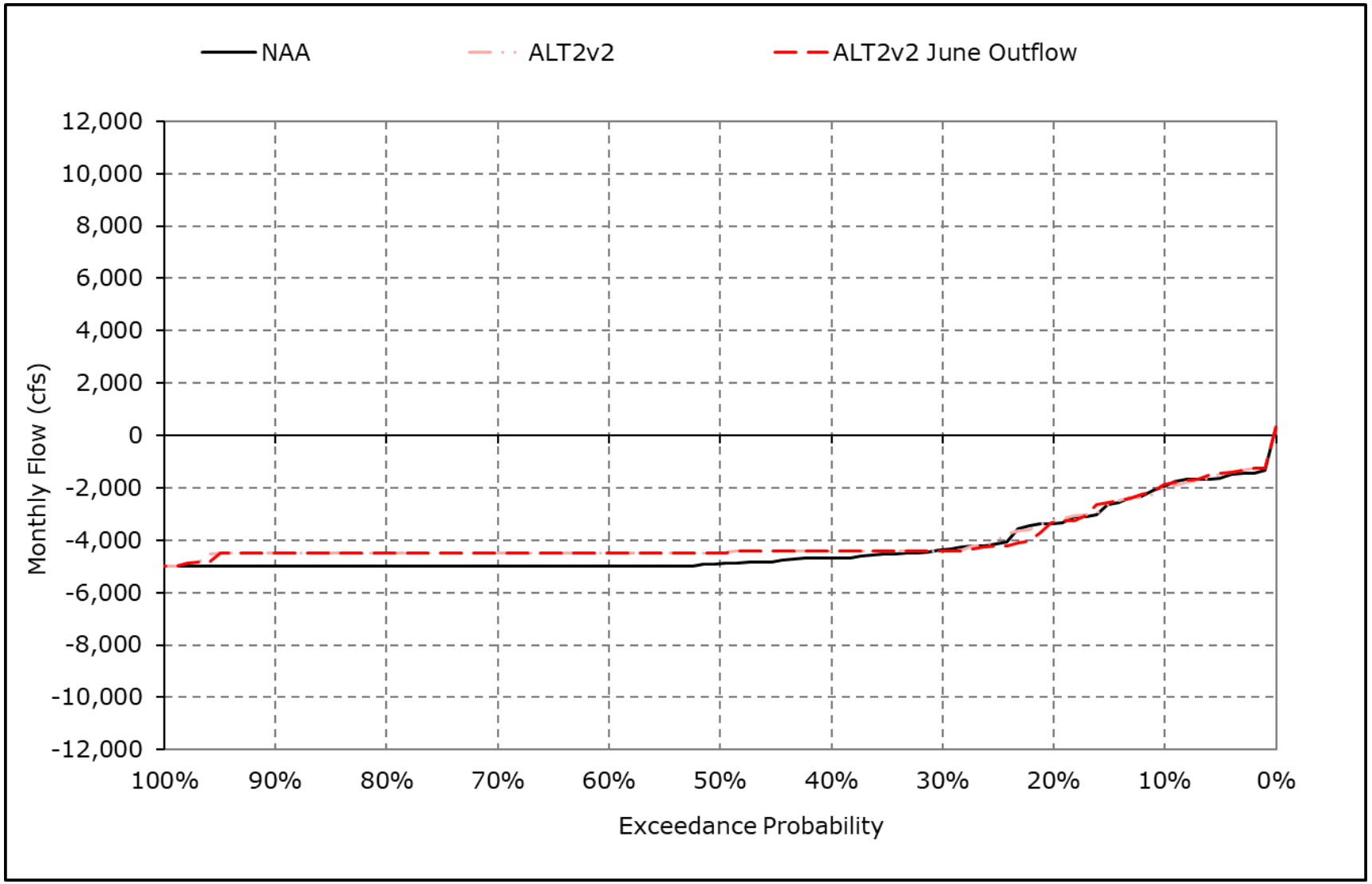
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-13. Old and Middle River Flow, April



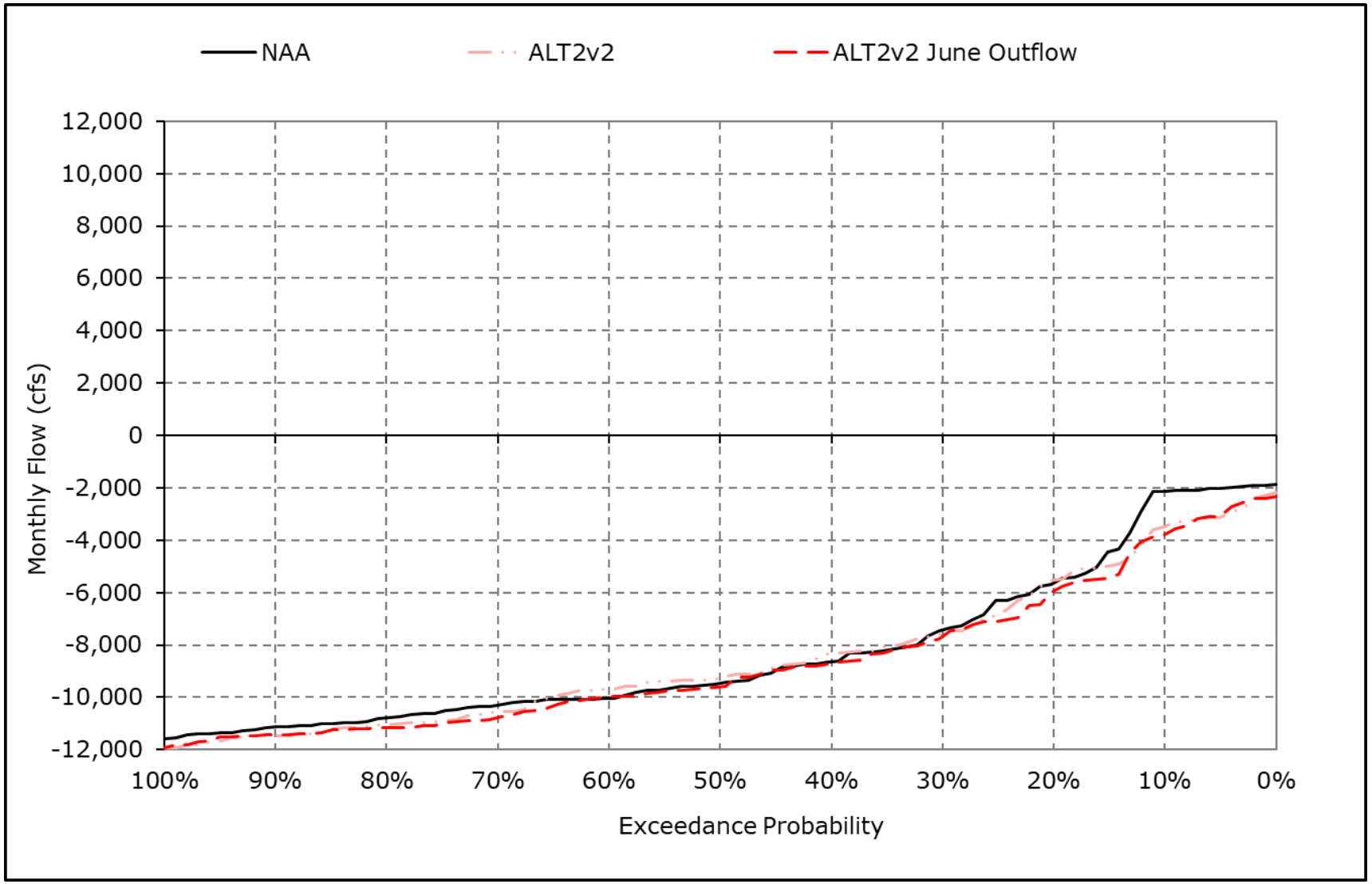
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-14. Old and Middle River Flow, May



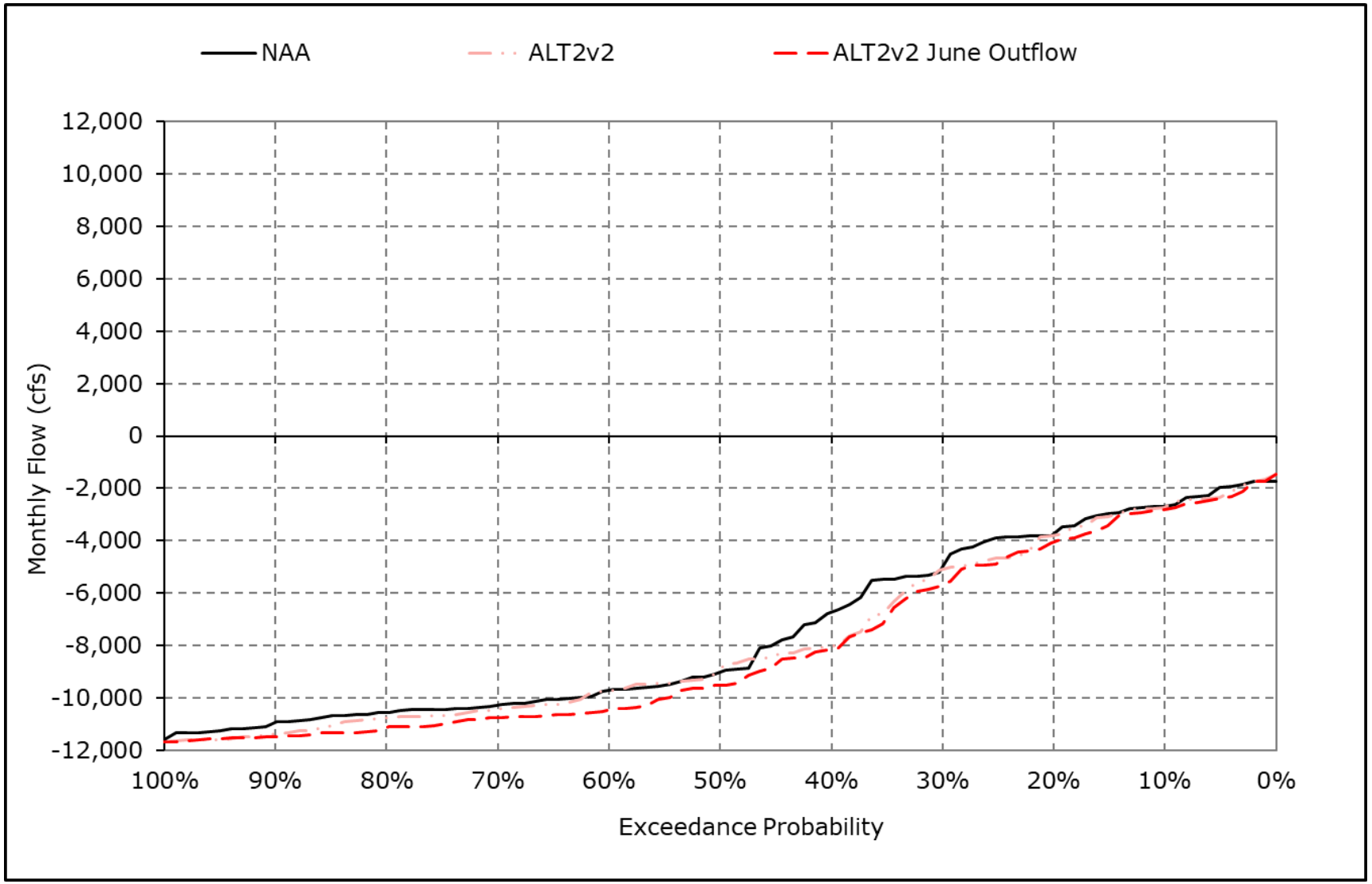
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-23-15. Old and Middle River Flow, June



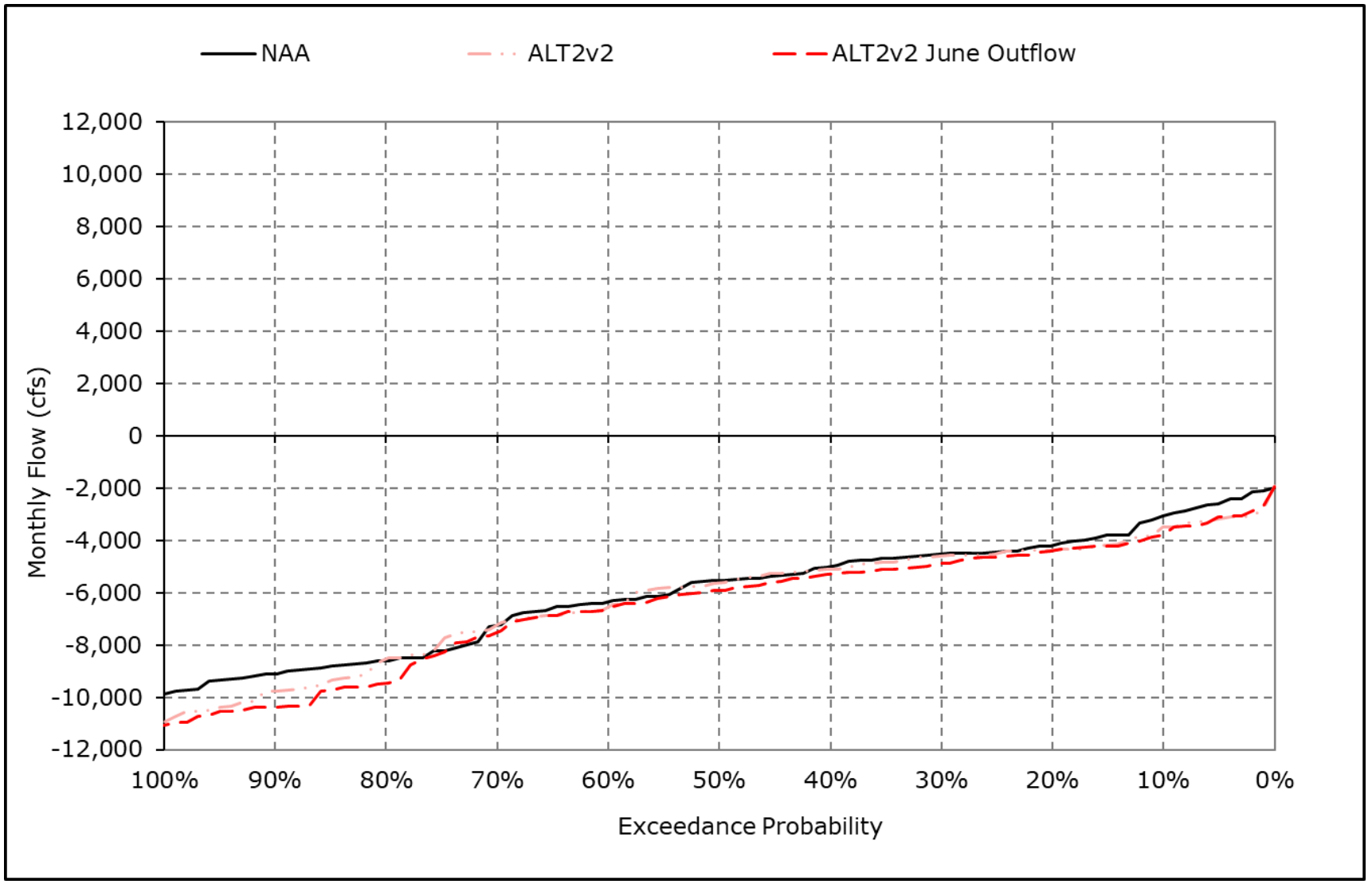
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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, ALT2v2, 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.2.2-24-1c. Delta Outflow, ALT2v2 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.2.2-24-2a. 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, ALT2v2 June Outflow, Monthly Outflow (cfs)

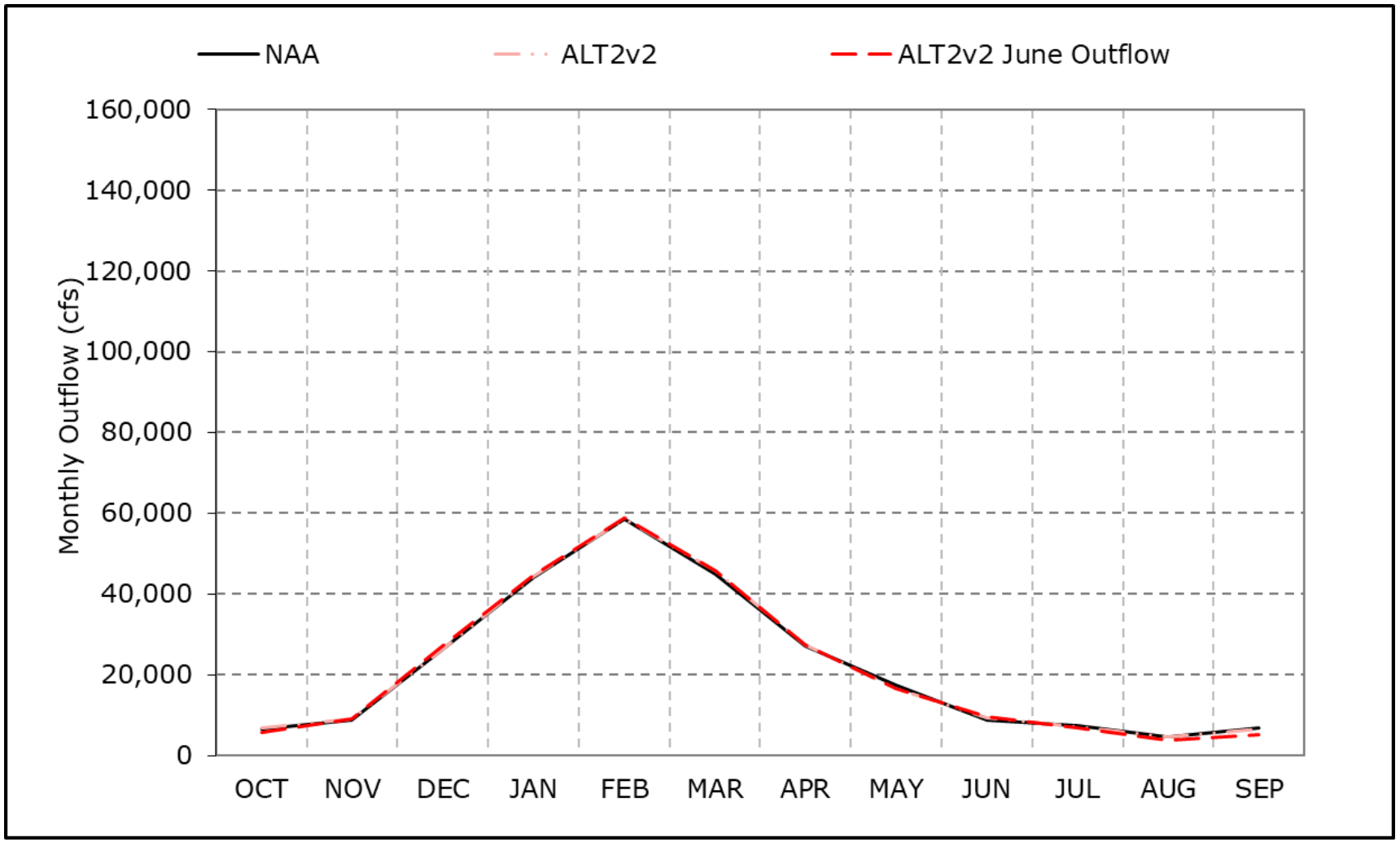
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,787	14,956	73,538	111,308	145,167	101,348	59,403	35,020	14,146	9,228	4,120	7,813
20% Exceedance	6,197	7,773	41,477	75,326	94,357	69,885	43,724	24,122	10,360	8,687	4,000	7,344
30% Exceedance	5,718	7,016	24,117	41,627	63,072	47,378	28,917	15,870	10,000	8,199	4,000	6,919
40% Exceedance	5,483	6,352	16,521	31,608	52,594	37,246	22,412	12,261	10,000	8,003	4,000	6,563
50% Exceedance	5,313	5,714	12,150	24,313	33,967	27,082	17,402	10,731	8,025	7,796	4,000	3,699
60% Exceedance	4,907	5,340	9,498	18,393	22,941	22,672	13,758	9,827	7,118	6,053	4,000	3,275
70% Exceedance	4,219	4,948	8,347	12,135	18,609	17,673	11,659	8,960	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,647	7,386	9,468	15,041	14,256	10,602	8,303	7,100	5,000	3,500	3,000
90% Exceedance	3,165	4,500	5,550	7,430	11,167	10,811	9,229	7,092	5,472	4,000	3,000	3,000
Full Simulation Period Average[a]	5,795	9,035	27,208	44,646	58,882	45,832	27,492	16,480	9,641	6,898	3,895	5,181
Wet Water Years (28%)	6,728	12,406	32,454	97,905	122,481	90,451	54,588	29,336	14,719	8,562	4,356	7,877
Above Normal Water Years (14%)	6,696	8,238	22,798	53,856	71,102	59,320	27,995	16,362	10,504	9,294	4,033	7,504
Below Normal Water Years (18%)	5,670	6,754	31,110	25,659	30,241	29,001	19,101	13,870	8,227	7,511	4,232	3,631
Dry Water Years (24%)	5,882	8,920	31,129	13,584	28,184	21,031	14,273	10,494	7,195	5,030	3,604	3,299
Critical Water Years (16%)	3,162	6,462	10,869	11,336	15,157	12,083	8,905	5,998	5,256	4,000	3,024	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, ALT2v2 June Outflow minus No Action Alternative, Monthly Outflow (cfs)

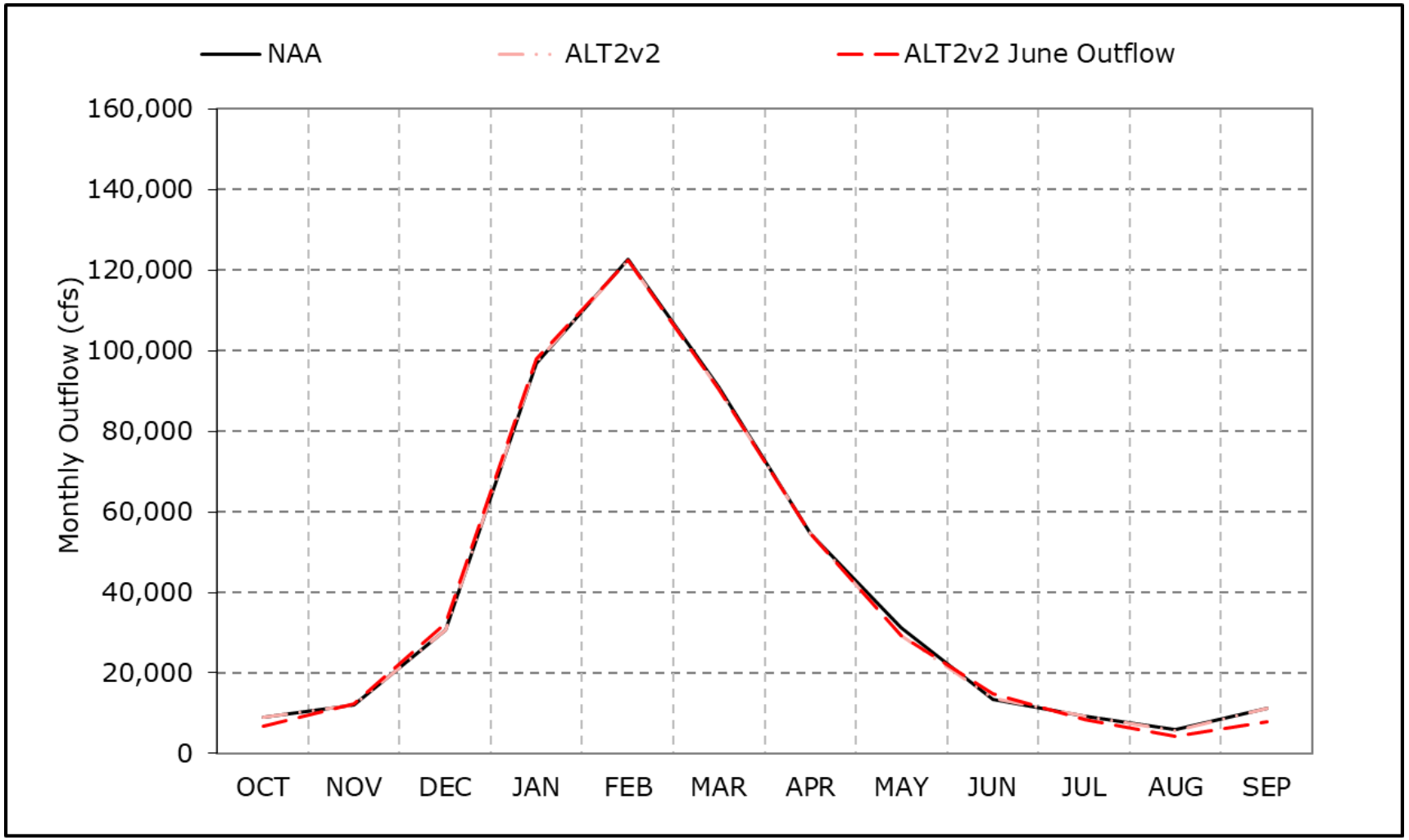
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,651	968	-4	1,018	-88	-1,093	3,213	-3,454	230	-1,628	-2,239	-3,281
20% Exceedance	-2,084	90	1,440	842	7	397	-475	-1,575	788	-1,202	-1,977	-3,594
30% Exceedance	-2,407	398	8	-279	85	1,053	-70	-1,276	1,387	-835	-1,773	-3,706
40% Exceedance	-2,486	311	257	269	850	2,033	-49	-1,679	2,277	-443	-1,506	-3,750
50% Exceedance	-114	63	733	-1,324	1,138	2,798	606	-1,177	903	-204	-261	-181
60% Exceedance	337	10	1,196	-271	218	2,177	-152	-1,009	18	-242	0	-297
70% Exceedance	167	50	1,253	524	81	3	-13	-776	0	-141	-243	-394
80% Exceedance	0	147	1,207	275	151	1,391	251	-552	625	0	0	-8
90% Exceedance	165	0	247	-56	22	2,424	1,655	1,861	1,490	988	0	0
Full Simulation Period Average[a]	-845	238	858	432	264	985	372	-1,021	775	-465	-817	-1,517
Wet Water Years (28%)	-2,190	351	1,718	1,007	-228	-446	1	-1,852	1,164	-848	-1,654	-3,417
Above Normal Water Years (14%)	-1,968	365	1,549	693	98	827	136	-1,091	1,341	-1,388	-2,254	-3,452
Below Normal Water Years (18%)	304	7	321	-105	868	2,578	-148	-1,505	455	-610	88	-48
Dry Water Years (24%)	-5	-93	723	13	616	1,193	139	-351	4	-202	-222	86
Critical Water Years (16%)	68	705	-575	433	62	1,523	2,160	37	1,115	783	-6	-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.



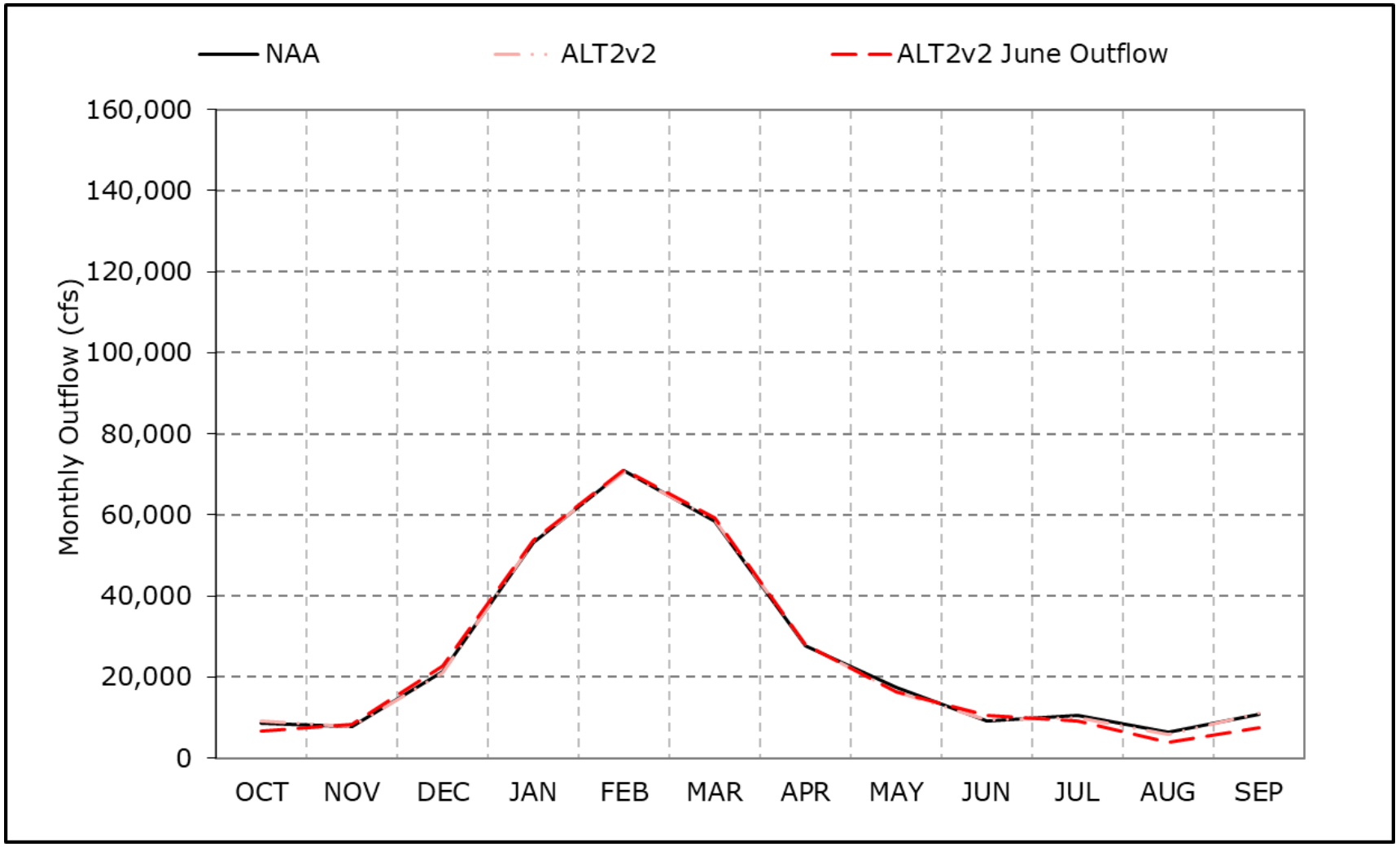
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-1. Delta Outflow, Long-Term Average Outflow



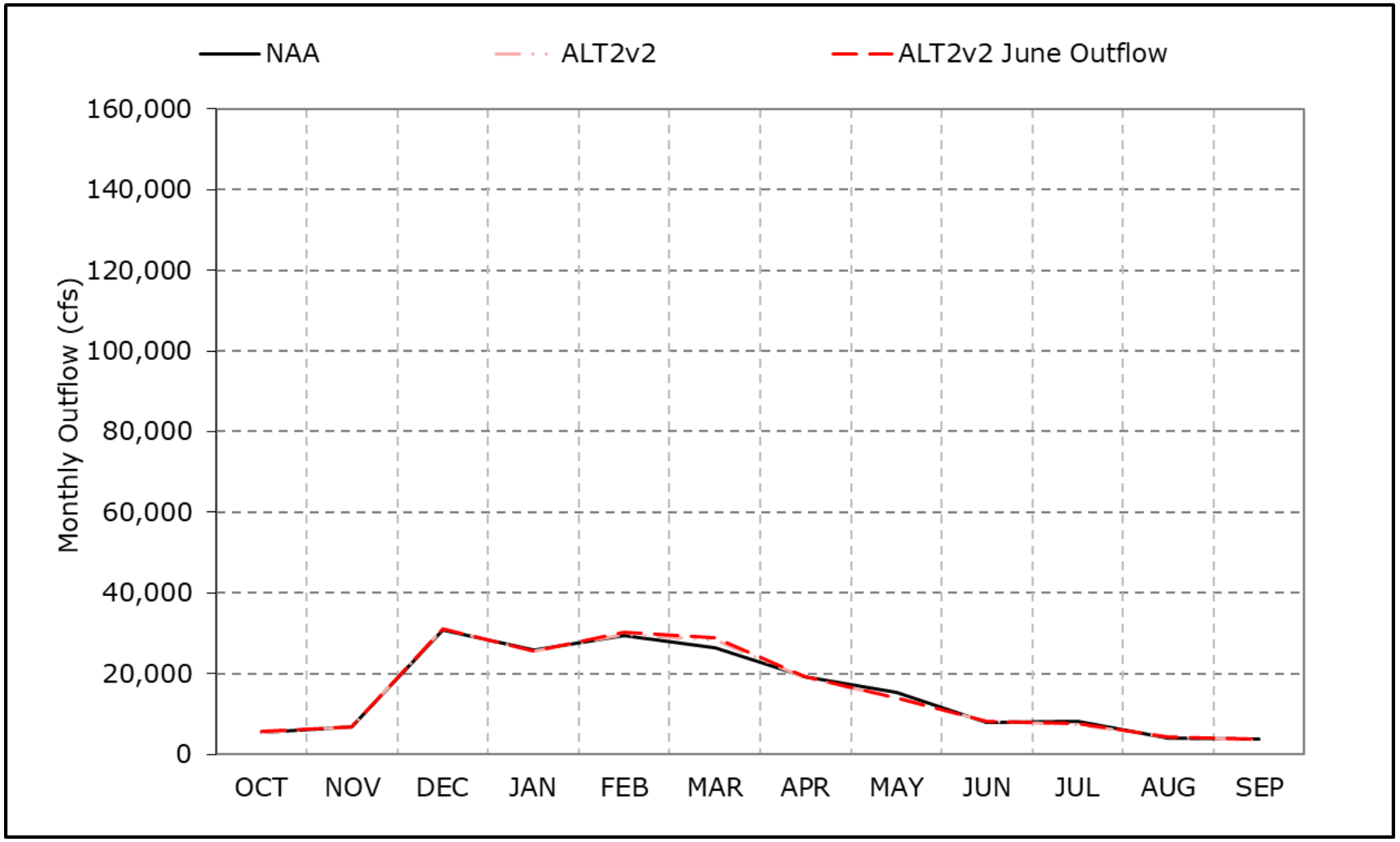
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-2. Delta Outflow, Wet Year Average Outflow



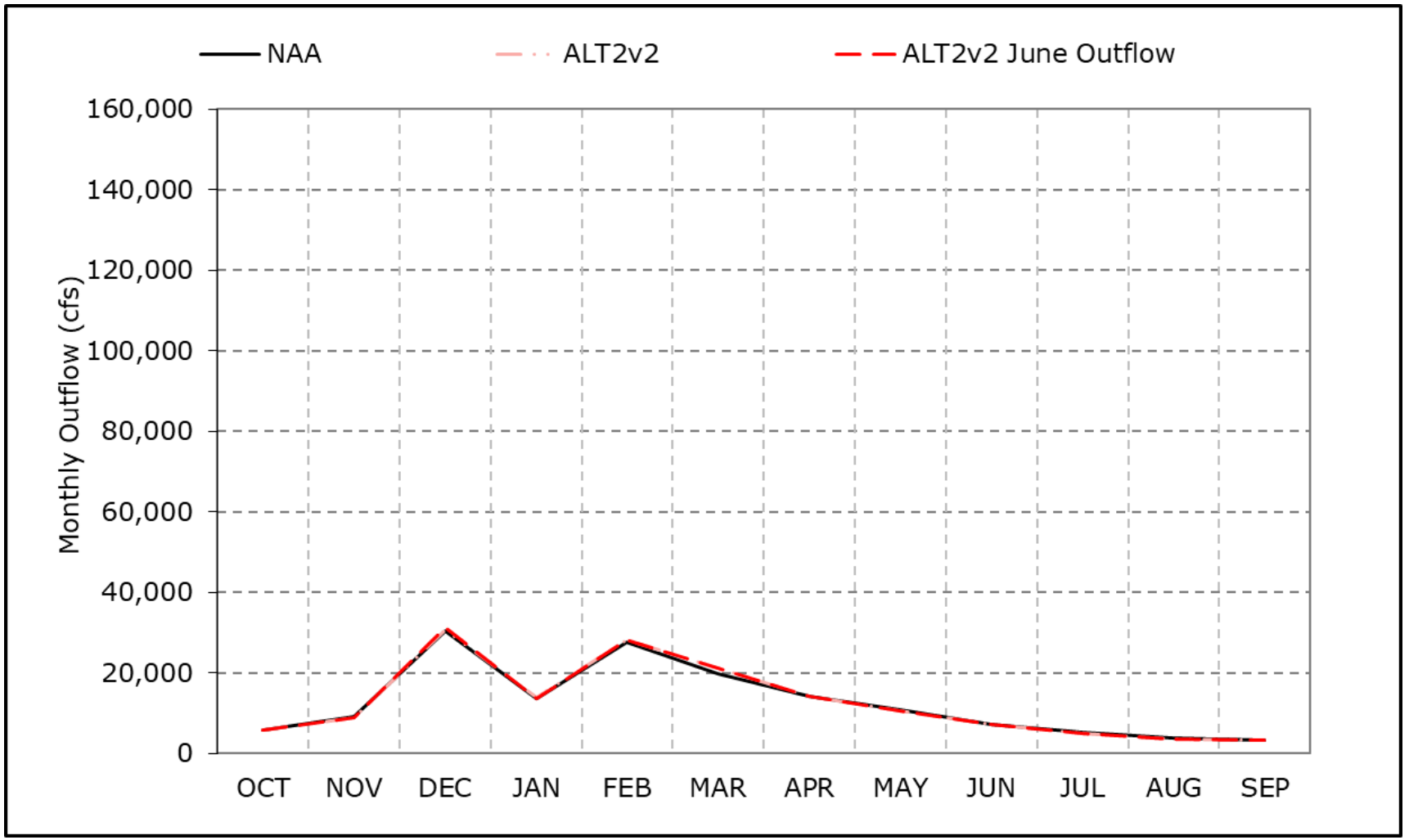
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-3. Delta Outflow, Above Normal Year Average Outflow



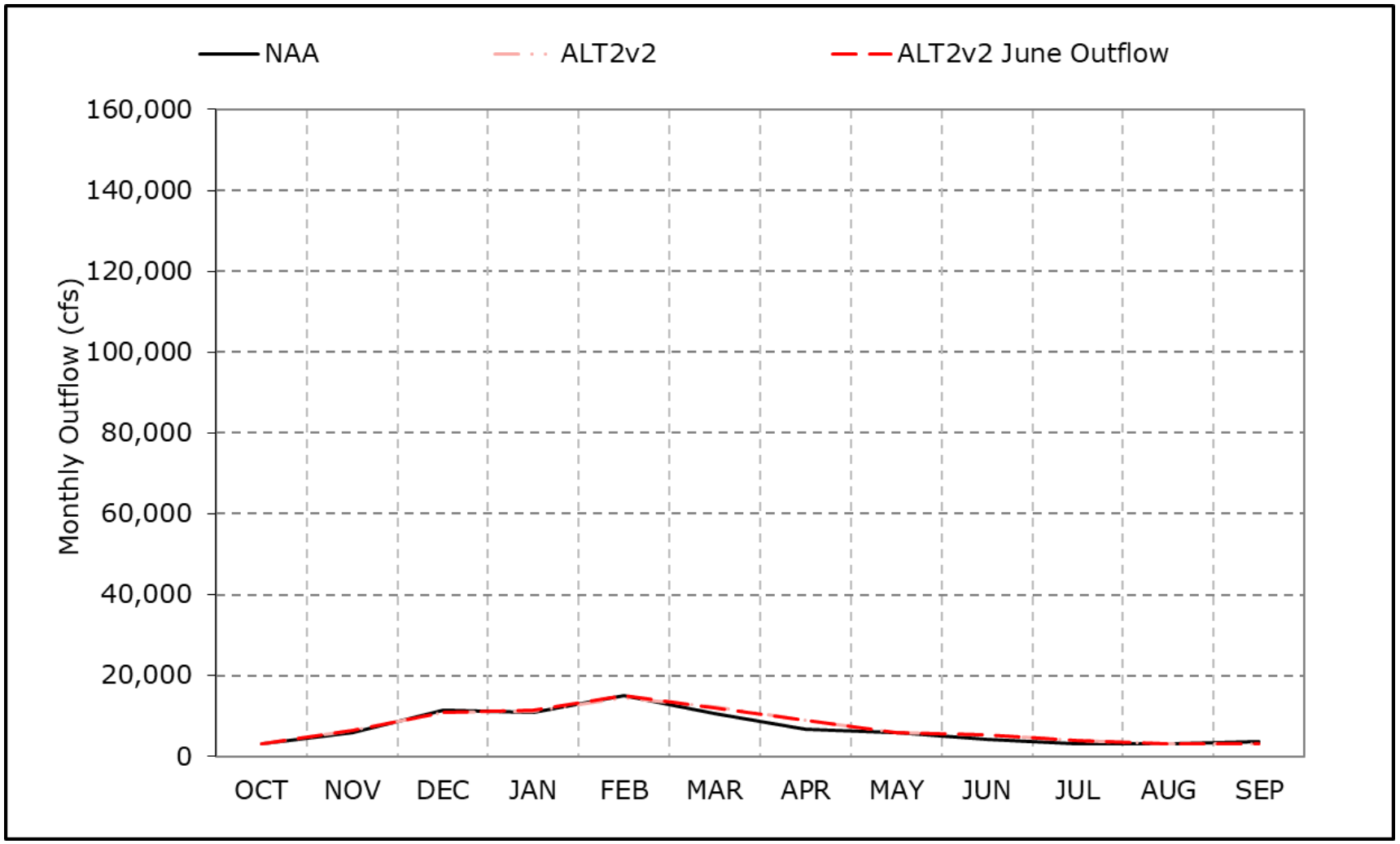
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-4. Delta Outflow, Below Normal Year Average Outflow



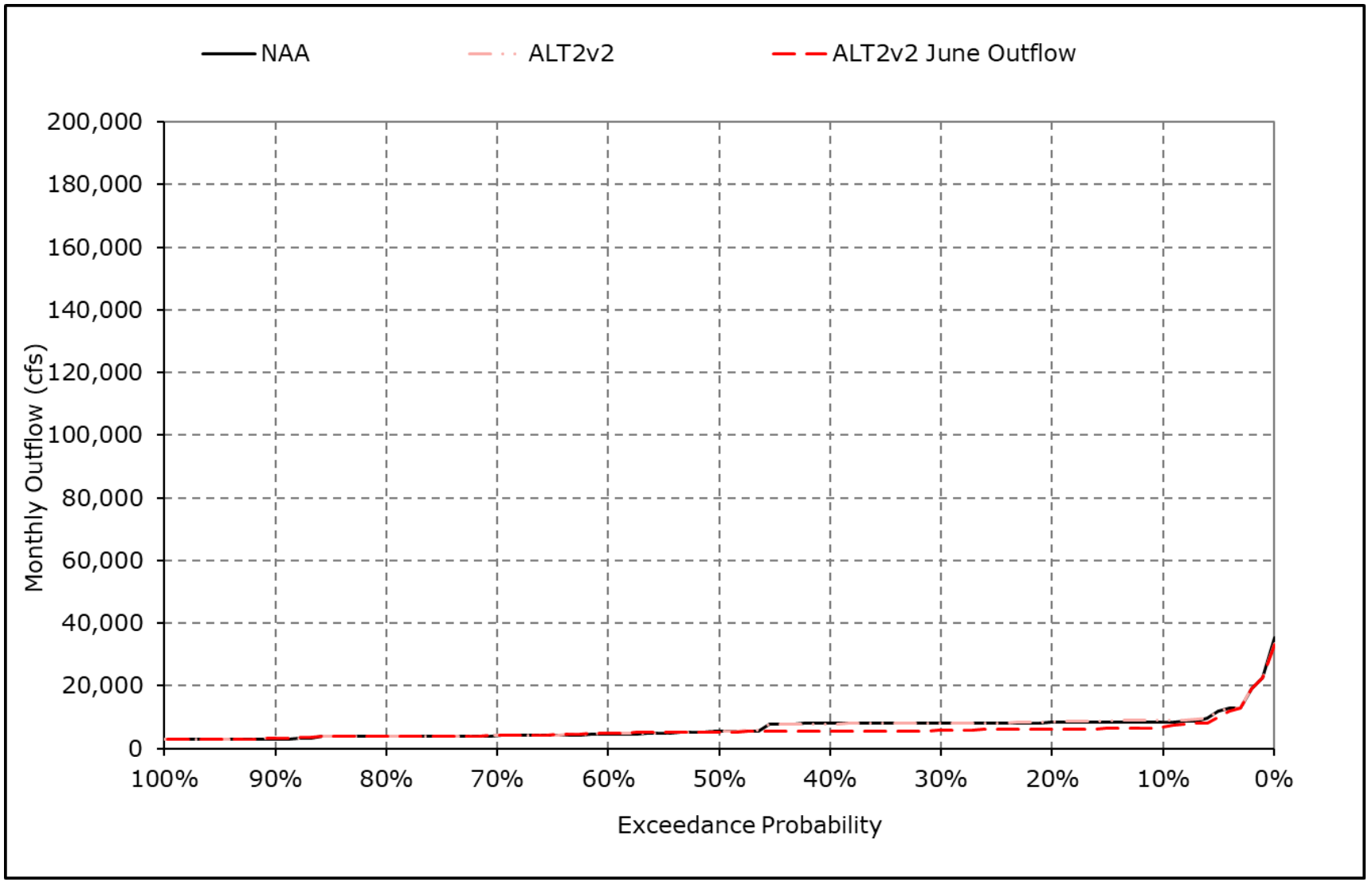
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-5. Delta Outflow, Dry Year Average Outflow



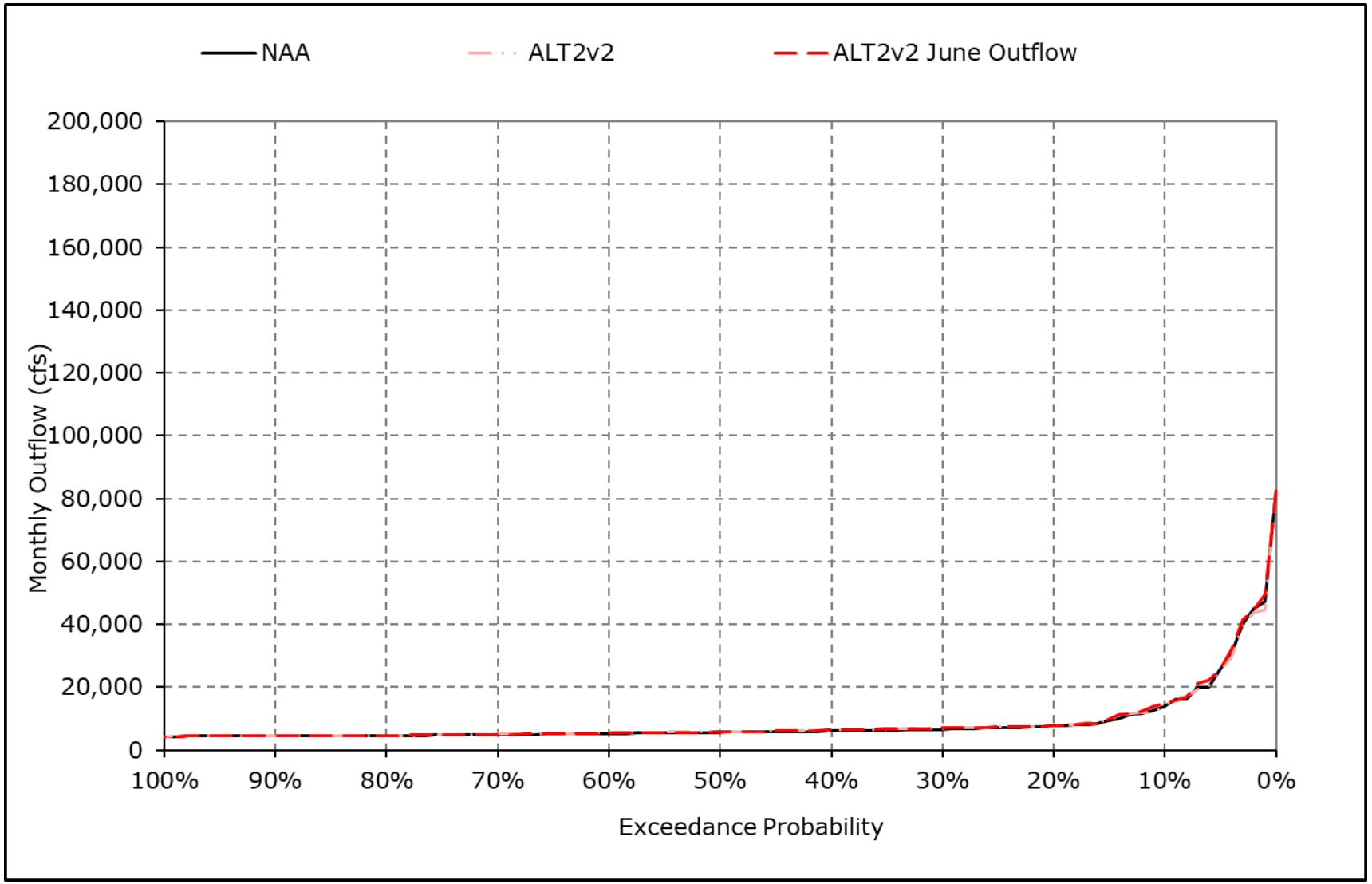
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.2-24-6. Delta Outflow, Critical Year Average Outflow



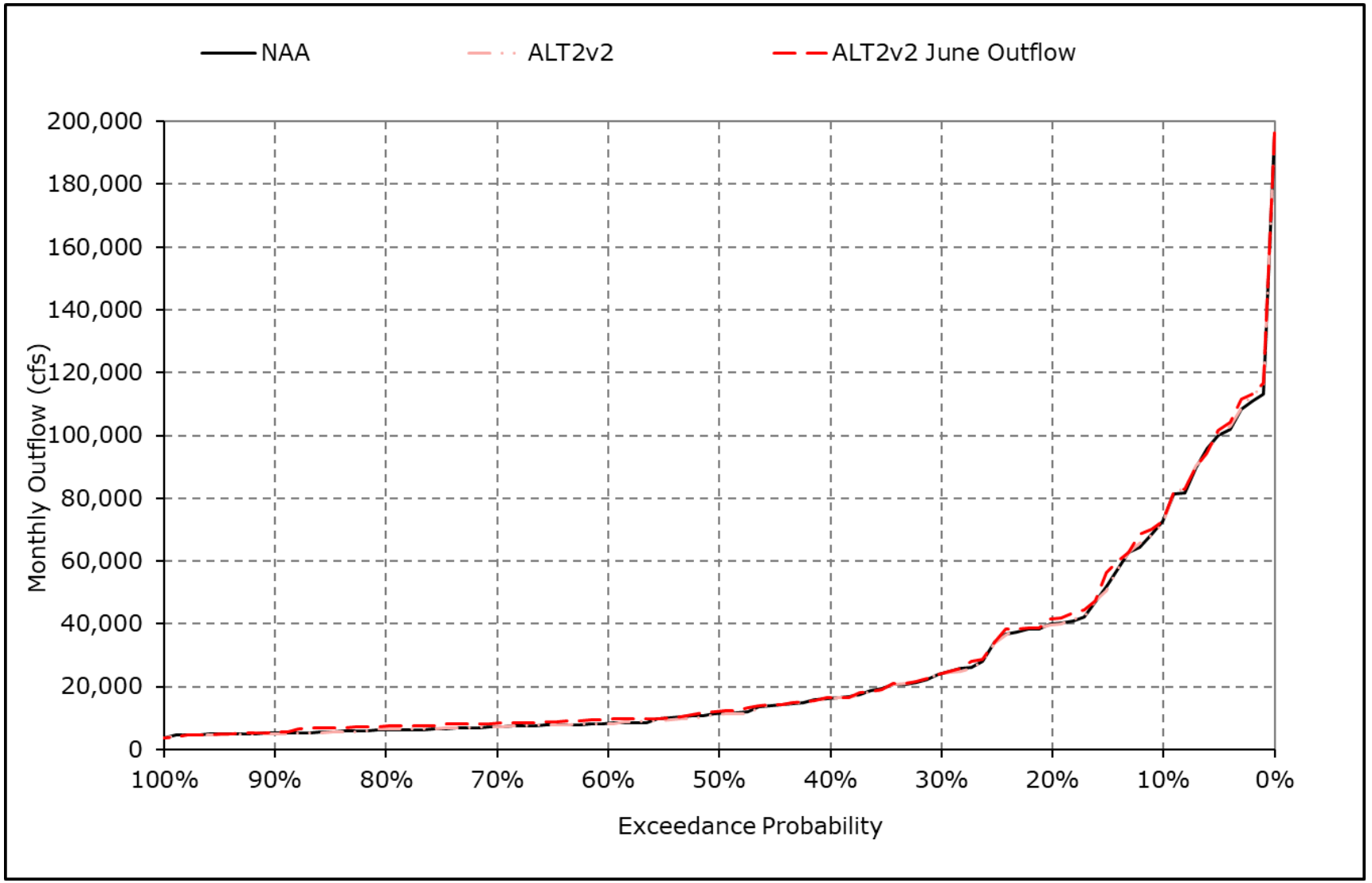
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-7. Delta Outflow, October



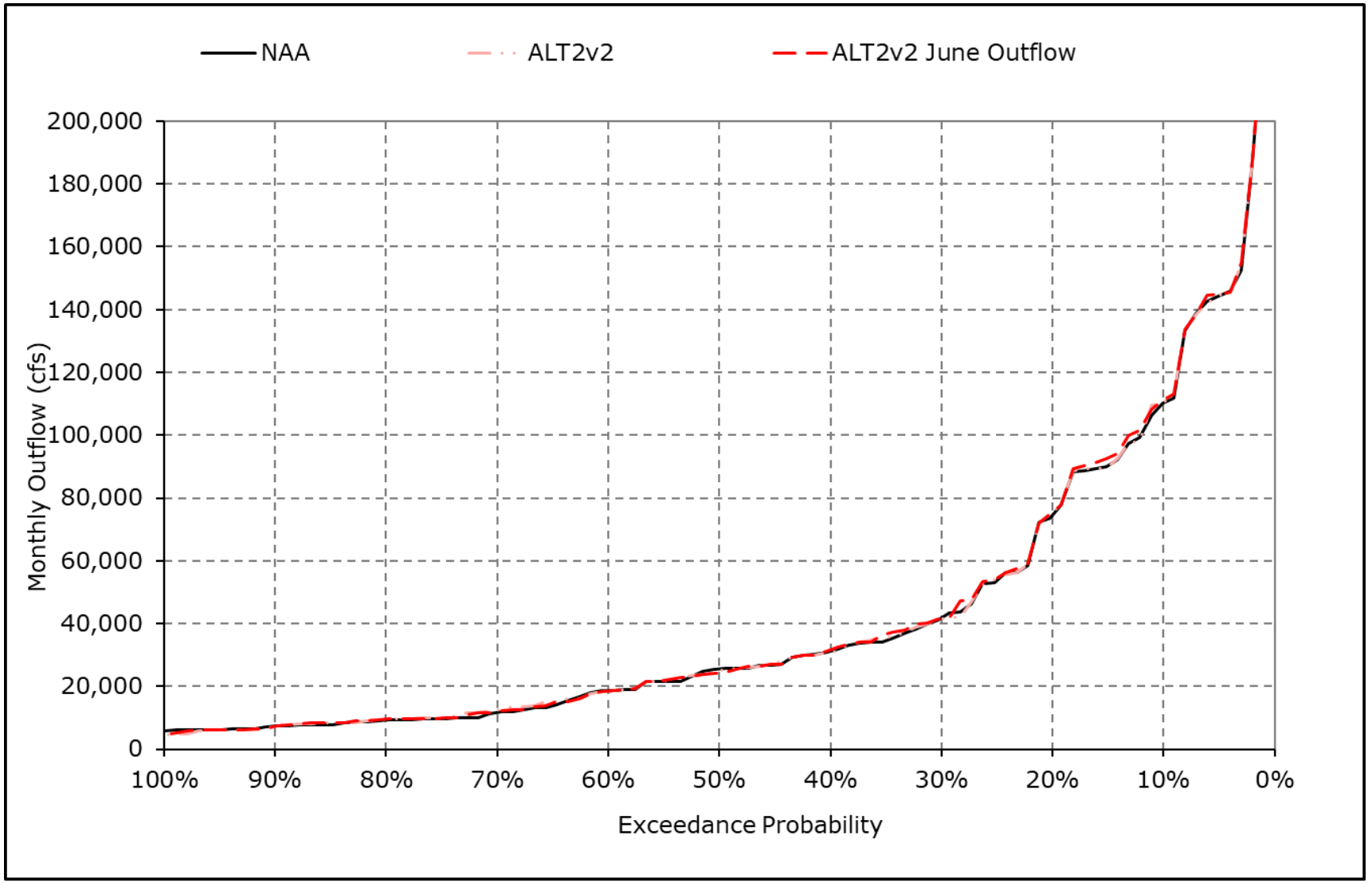
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-8. Delta Outflow, November



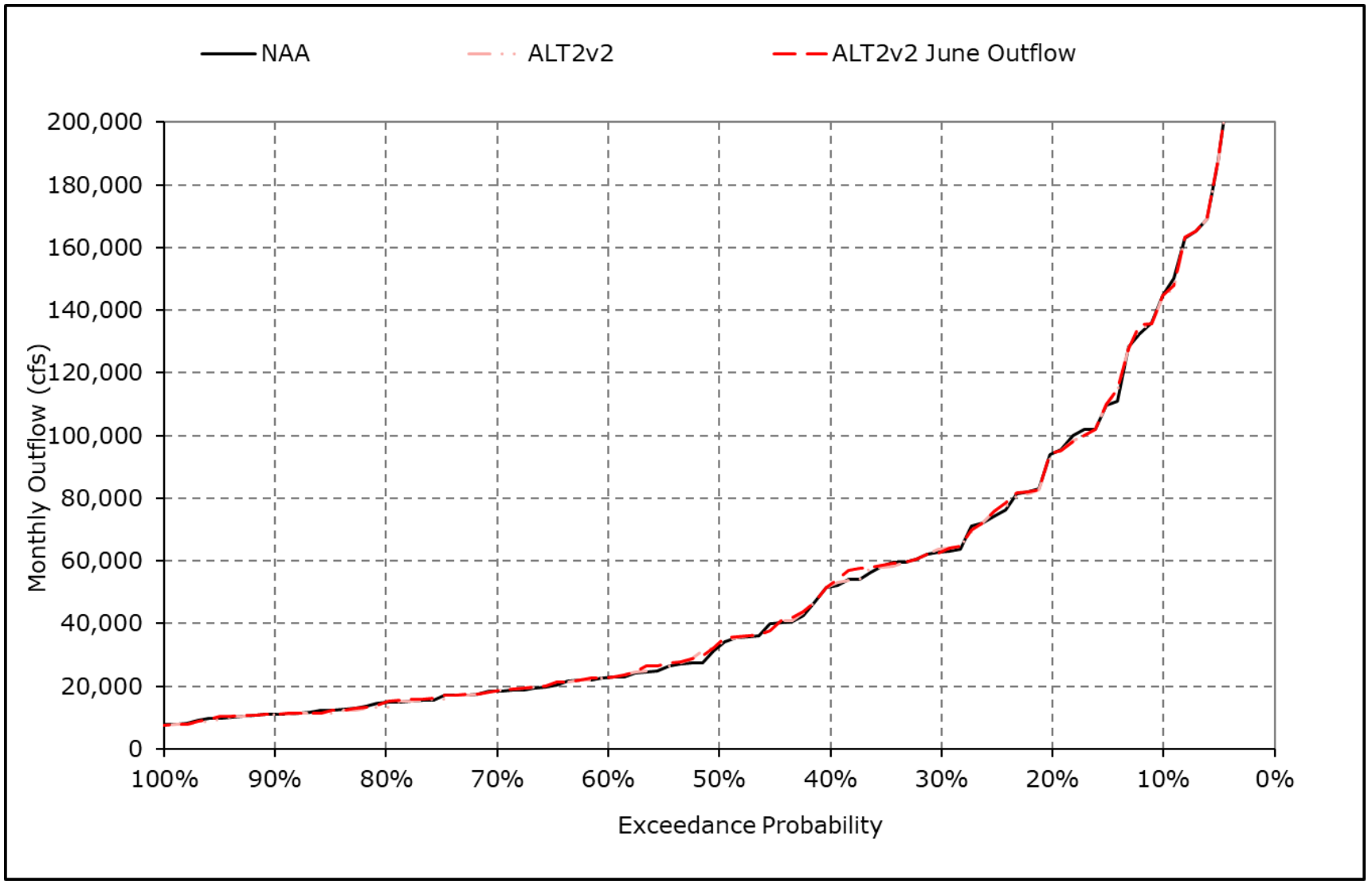
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-9. Delta Outflow, December



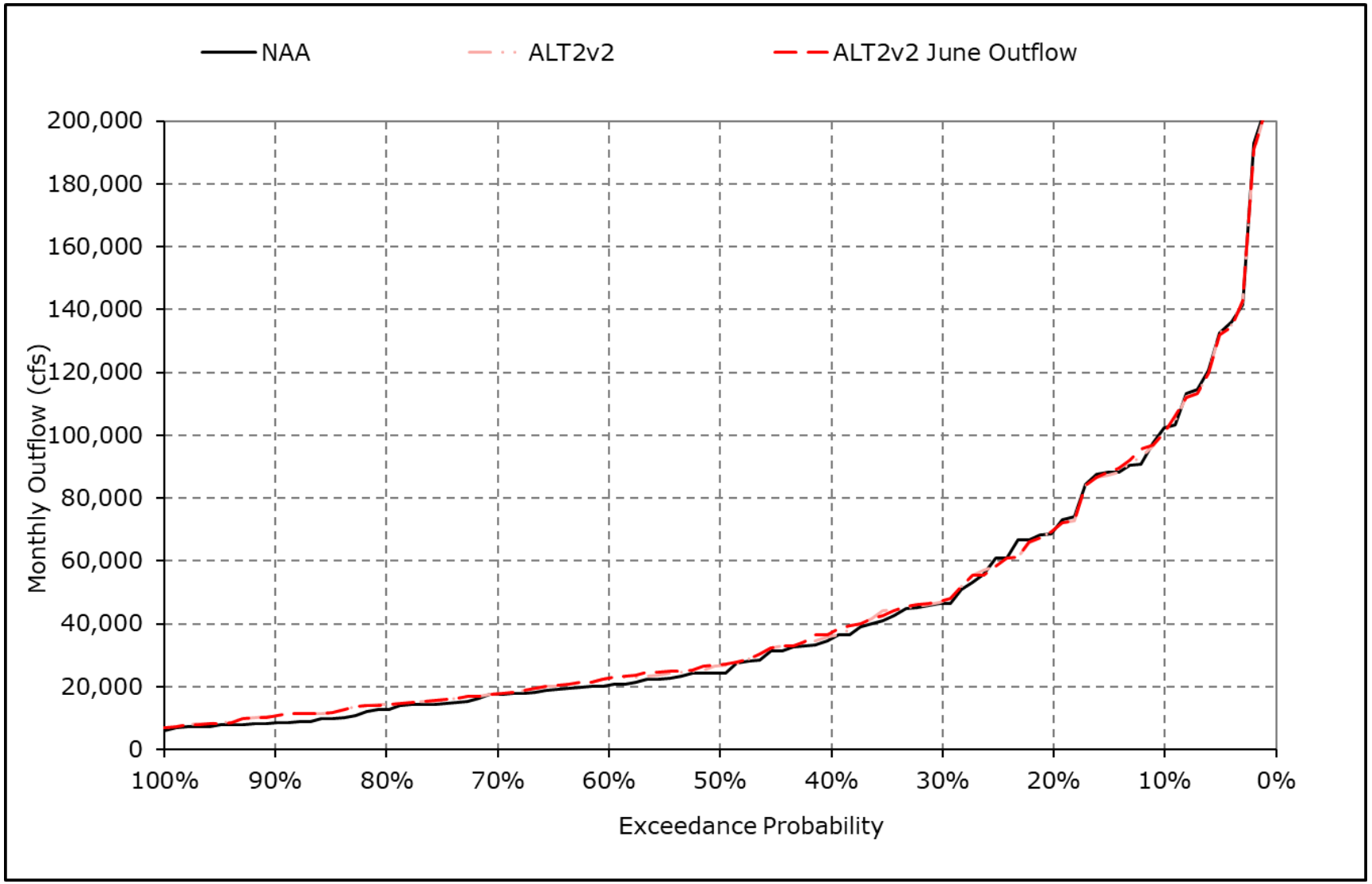
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-10. Delta Outflow, January



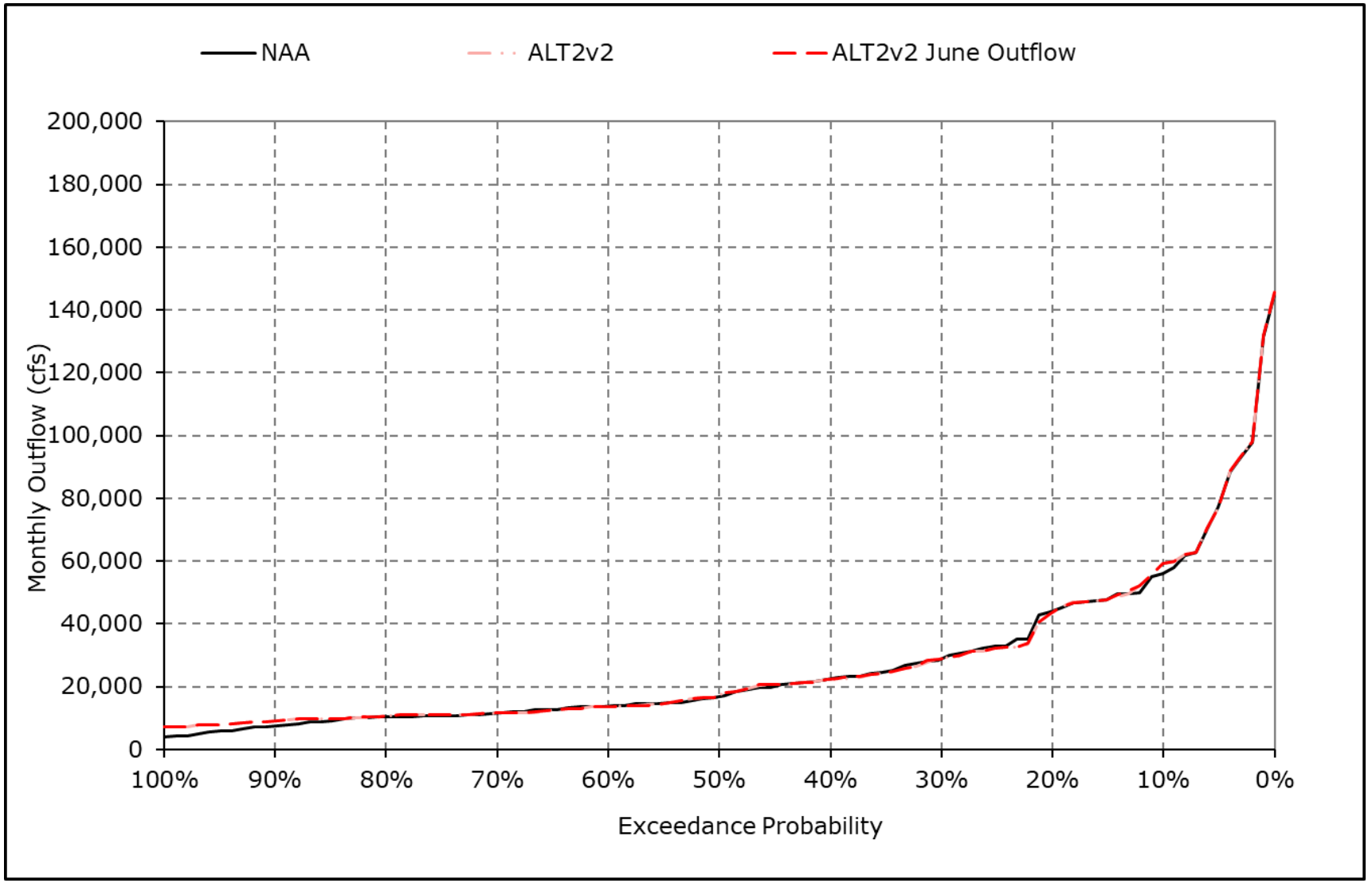
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-11. Delta Outflow, February



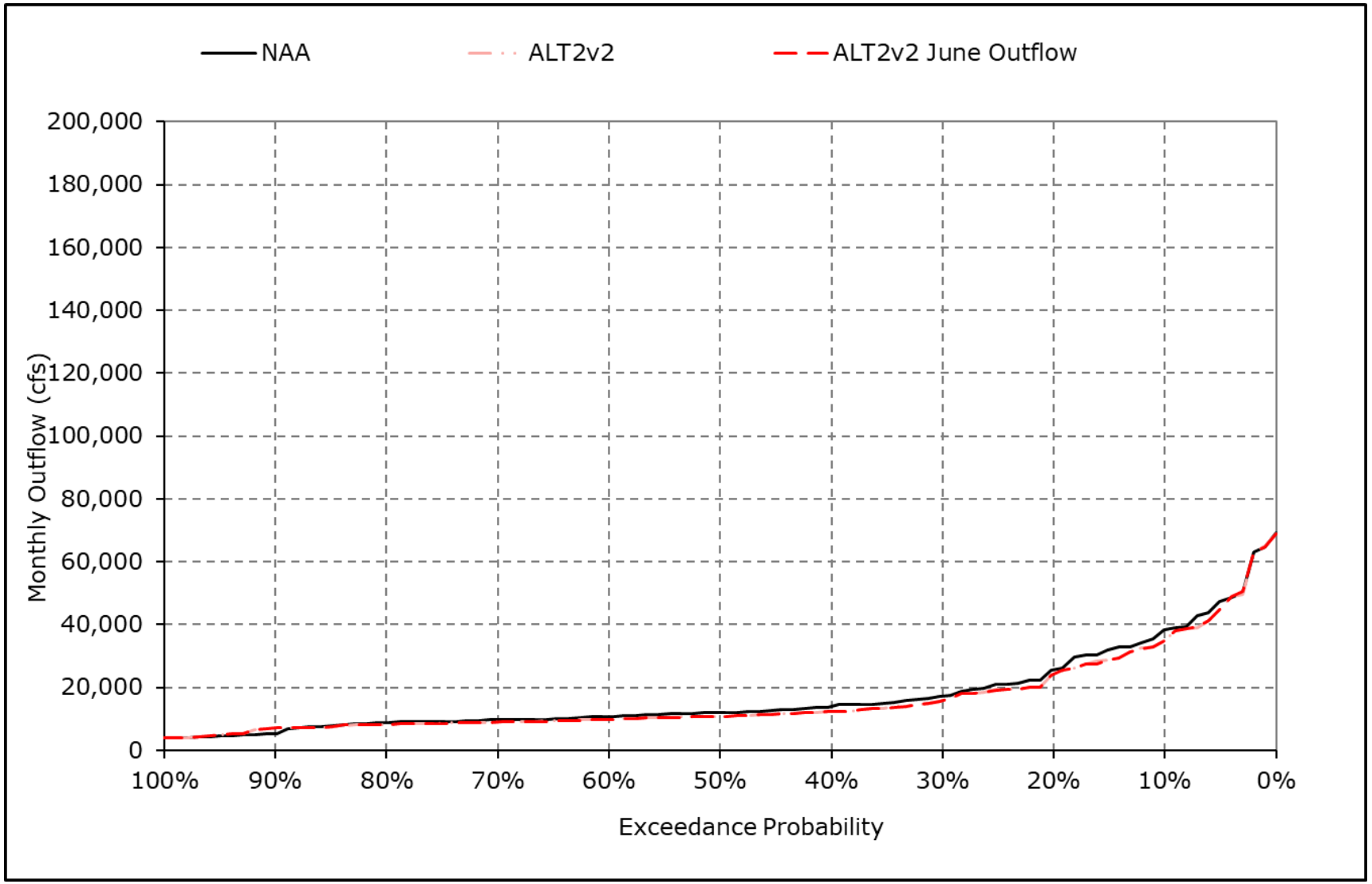
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-12. Delta Outflow, March



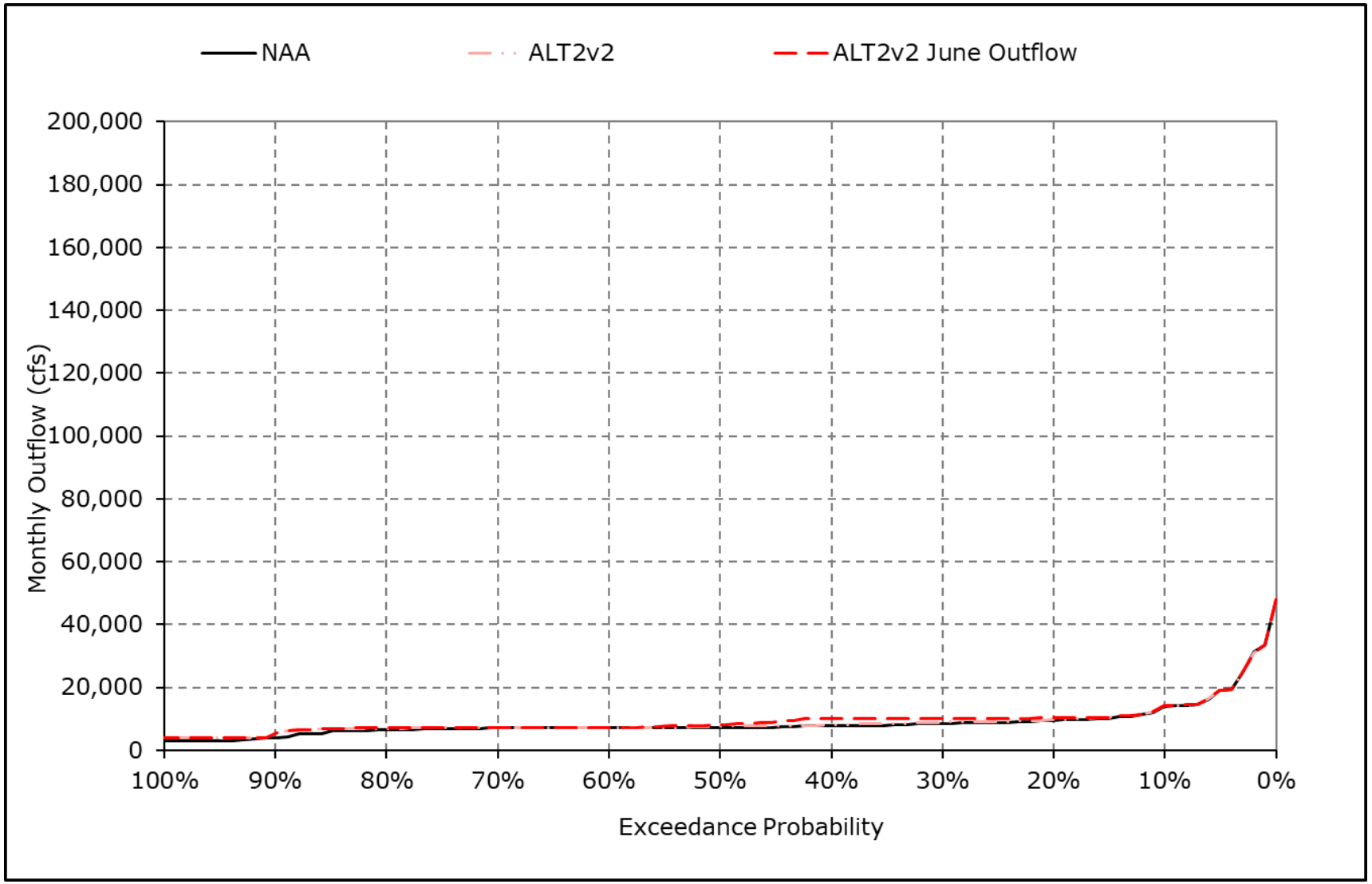
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-13. Delta Outflow, April



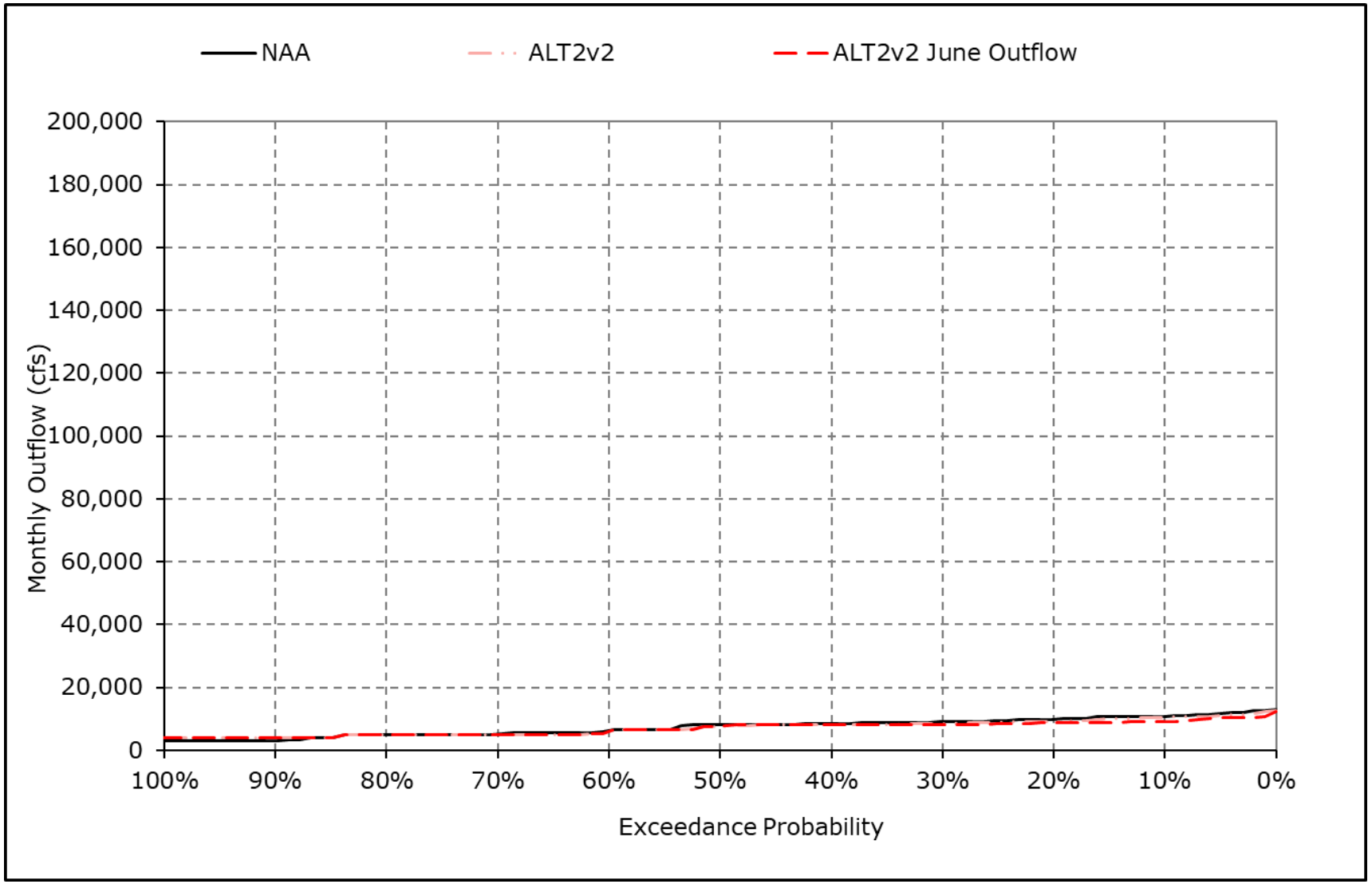
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-14. Delta Outflow, May



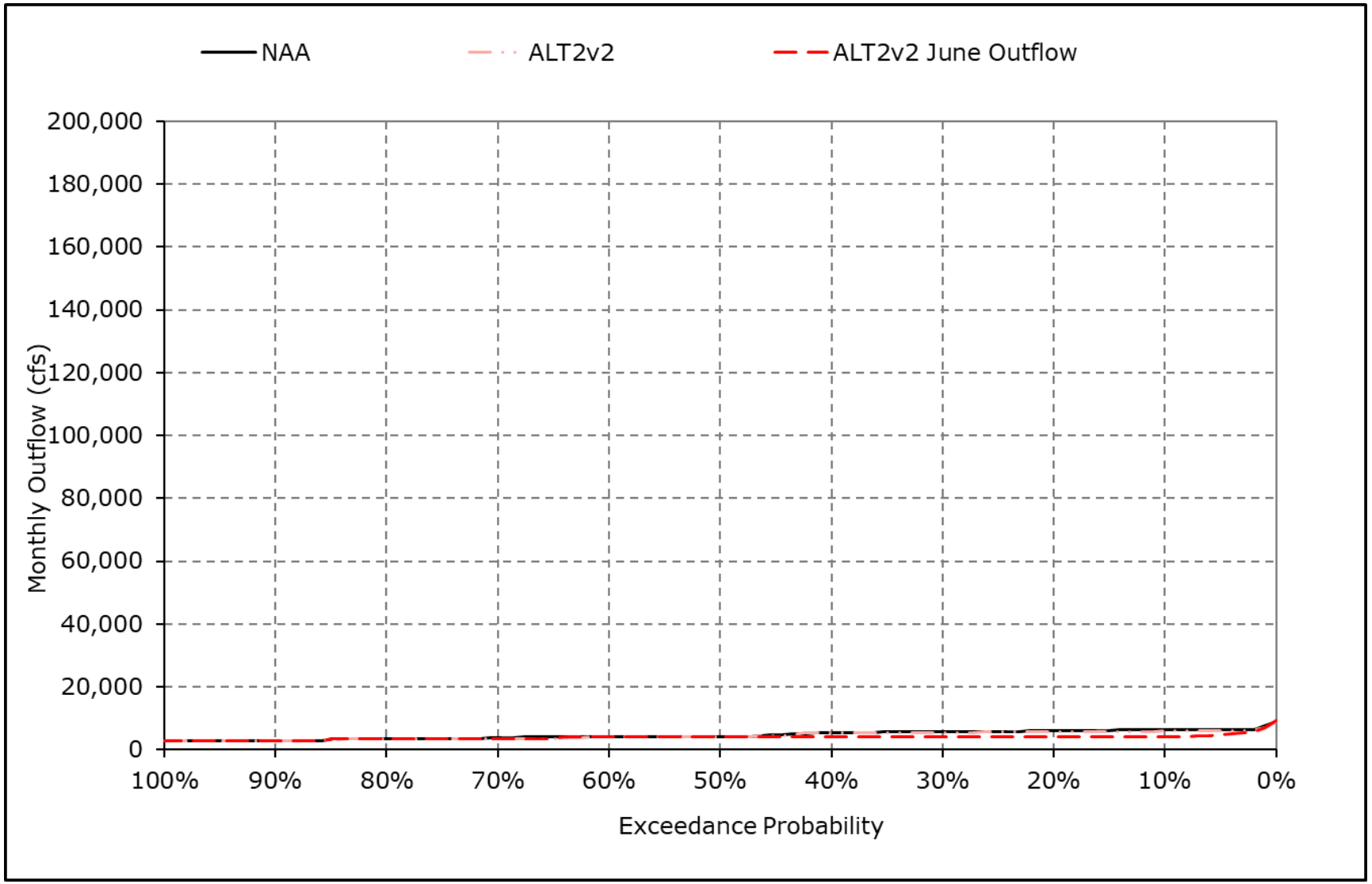
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.2-24-15. Delta Outflow, June



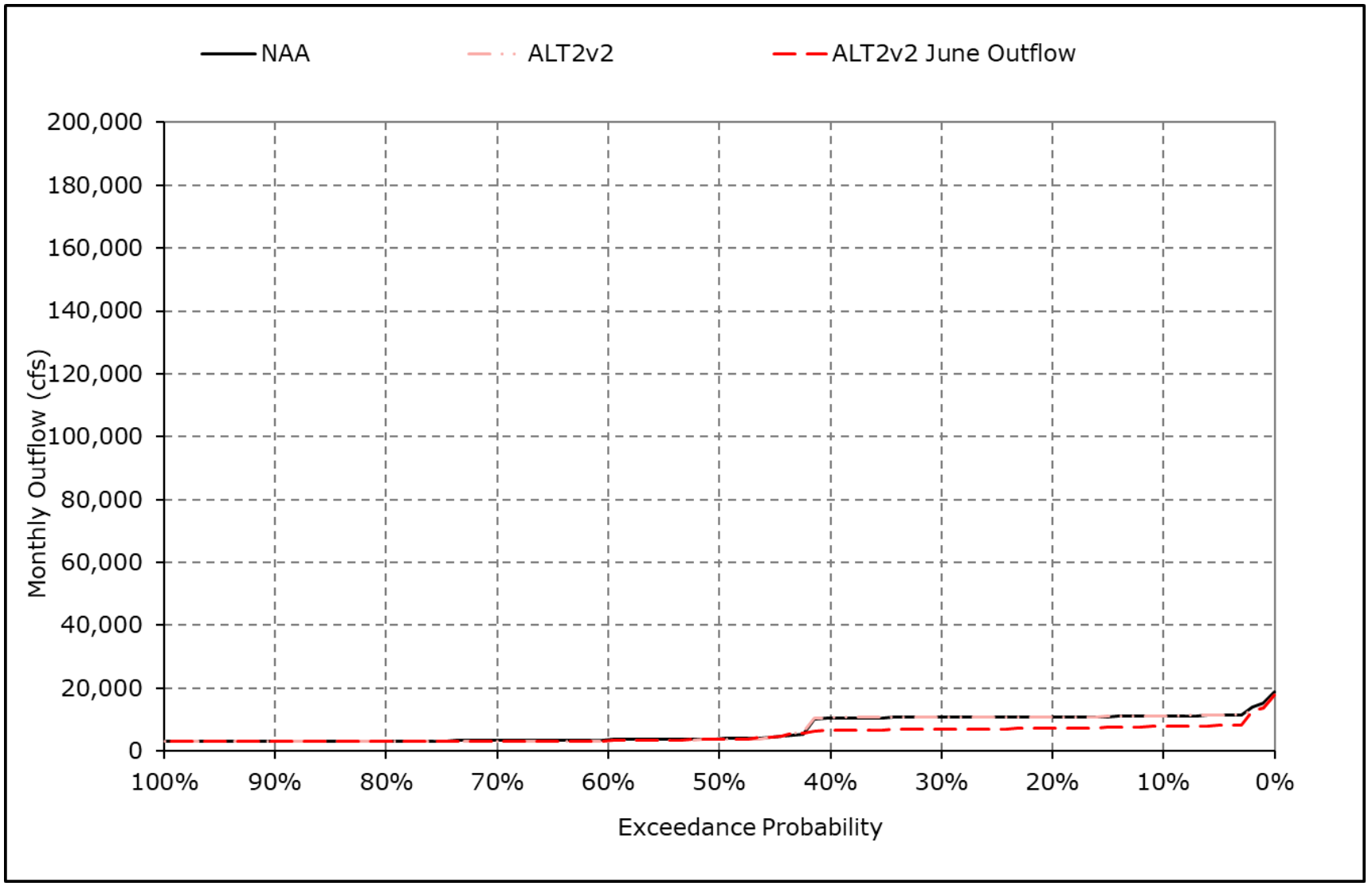
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

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

June Delta Outflow Action Sensitivity Analysis

Attachment 2-3 CalSim 3–Diversion

Results

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

- No Action Alternative 090723 (NAA)
- Alt2woTUCPDeltaVA 091324 (Alt2v2)
- Alt2woTUCPDeltaVA 100424 June Habitat (Alt2v2 June Habitat)

Table F.3-1. Output Parameters, Table Numbers and Figure Numbers.

Section	Output Parameters	Table Numbers	Figure Numbers
Diversion	Trinity Import–Clear Creek Tunnel	F.2.3-1-1a to F.2.3-1-7c	F.2.3-1-1 to F.2.3-1-18
Diversion	Red Bluff Diversion–Tehama Colusa Canal	F.2.3-2-1a to F.2.3-2-7c	F.2.3-2-1 to F.2.3-2-18
Diversion	Hamilton City Diversion–Glenn Colusa Canal	F.2.3-3-1a to F.2.3-3-7c	F.2.3-3-1 to F.2.3-3-18
Diversion	Folsom South Canal Diversion	F.2.3-4-1a to F.2.3-4-7c	F.2.3-4-1 to F.2.3-4-18
Diversion	Friant-Kern Canal Diversion	F.2.3-5-1a to F.2.3-5-7c	F.2.3-5-1 to F.2.3-5-18
Diversion	Madera Canal Diversion	F.2.3-6-1a to F.2.3-6-7c	F.2.3-6-1 to F.2.3-6-18
Diversion	DCC Flow	F.2.3-7-1a to F.2.3-7-7c	F.2.3-7-1 to F.2.3-7-18
Diversion	Total Delta Exports	F.2.3-8-1a to F.2.3-8-7c	F.2.3-8-1 to F.2.3-8-18
Diversion	Jones PP Exports	F.2.3-9-1a to F.2.3-9-7c	F.2.3-9-1 to F.2.3-9-18
Diversion	CVP Banks PP Exports	F.2.3-10-1a to F.2.3-10-7c	F.2.3-10-1 to F.2.3-10-18
Diversion	SWP Banks PP Exports	F.2.3-11-1a to F.2.3-11-7c	F.2.3-11-1 to F.2.3-11-18
Diversion	DMC-CA Intertie Flow	F.2.3-12-1a to F.2.3-12-7c	F.2.3-12-1 to F.2.3-12-18

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.2.3-1-1a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-1b. Trinity Import–Clear Creek Tunnel, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,557	1,190	256	1,057	249	831	864	1,204	1,689	3,300	3,293	2,325
20% Exceedance	1,276	90	211	214	162	531	499	639	1,180	2,807	2,819	1,973
30% Exceedance	977	21	100	119	28	370	455	377	833	2,301	2,540	1,690
40% Exceedance	773	0	0	12	0	289	395	227	571	1,526	1,908	1,490
50% Exceedance	629	0	0	0	0	162	358	133	338	864	1,670	1,308
60% Exceedance	549	0	0	0	0	16	313	68	269	629	1,362	1,030
70% Exceedance	446	0	0	0	0	0	225	0	132	329	1,048	719
80% Exceedance	330	0	0	0	0	0	43	0	80	199	543	312
90% Exceedance	126	0	0	0	0	0	0	0	0	104	188	92
Full Simulation Period Average[a]	768	221	103	287	146	334	397	355	670	1,373	1,694	1,237
Wet Water Years (28%)	1,284	620	207	385	162	425	267	239	234	913	1,517	1,511
Above Normal Water Years (14%)	1,015	198	80	73	86	133	311	94	405	1,281	2,329	1,789
Below Normal Water Years (18%)	604	93	91	267	64	428	392	594	839	1,845	2,221	1,410
Dry Water Years (24%)	496	5	61	245	96	260	416	465	1,204	2,003	1,762	1,030
Critical Water Years (16%)	192	0	16	386	336	357	676	351	673	781	750	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.2.3-1-1c. Trinity Import–Clear Creek Tunnel, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11	332	33	26	-290	73	-16	567	-255	0	181	-148
20% Exceedance	78	-133	48	19	-23	53	7	149	-105	192	222	-165
30% Exceedance	-23	20	23	70	-38	9	9	95	-112	158	146	-107
40% Exceedance	-65	0	0	12	0	11	14	57	-19	93	-93	-114
50% Exceedance	-99	0	0	0	0	37	28	43	-39	-221	-99	-36
60% Exceedance	-8	0	0	0	0	16	22	37	-11	-58	-99	-12
70% Exceedance	15	0	0	0	0	0	25	0	-82	-173	-23	19
80% Exceedance	-31	0	0	0	0	0	43	0	-81	-43	-17	3
90% Exceedance	49	0	0	0	0	0	0	0	-27	-41	-7	28
Full Simulation Period Average[a]	-9	9	11	14	-24	33	7	109	-59	-2	28	-43
Wet Water Years (28%)	1	45	-2	3	-10	2	-19	57	-26	-51	5	-89
Above Normal Water Years (14%)	-23	-48	14	0	-23	-3	-5	30	-29	107	190	-74
Below Normal Water Years (18%)	6	13	24	50	-13	20	42	394	-85	26	252	-62
Dry Water Years (24%)	-35	4	24	30	-46	3	17	59	-40	-59	-115	-22
Critical Water Years (16%)	8	0	0	-17	-31	178	10	25	-144	43	-109	51

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

Table F.2.3-1-2a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-2b. Trinity Import–Clear Creek Tunnel, ALT2v2 June Outflow, Monthly Diversion (cfs)

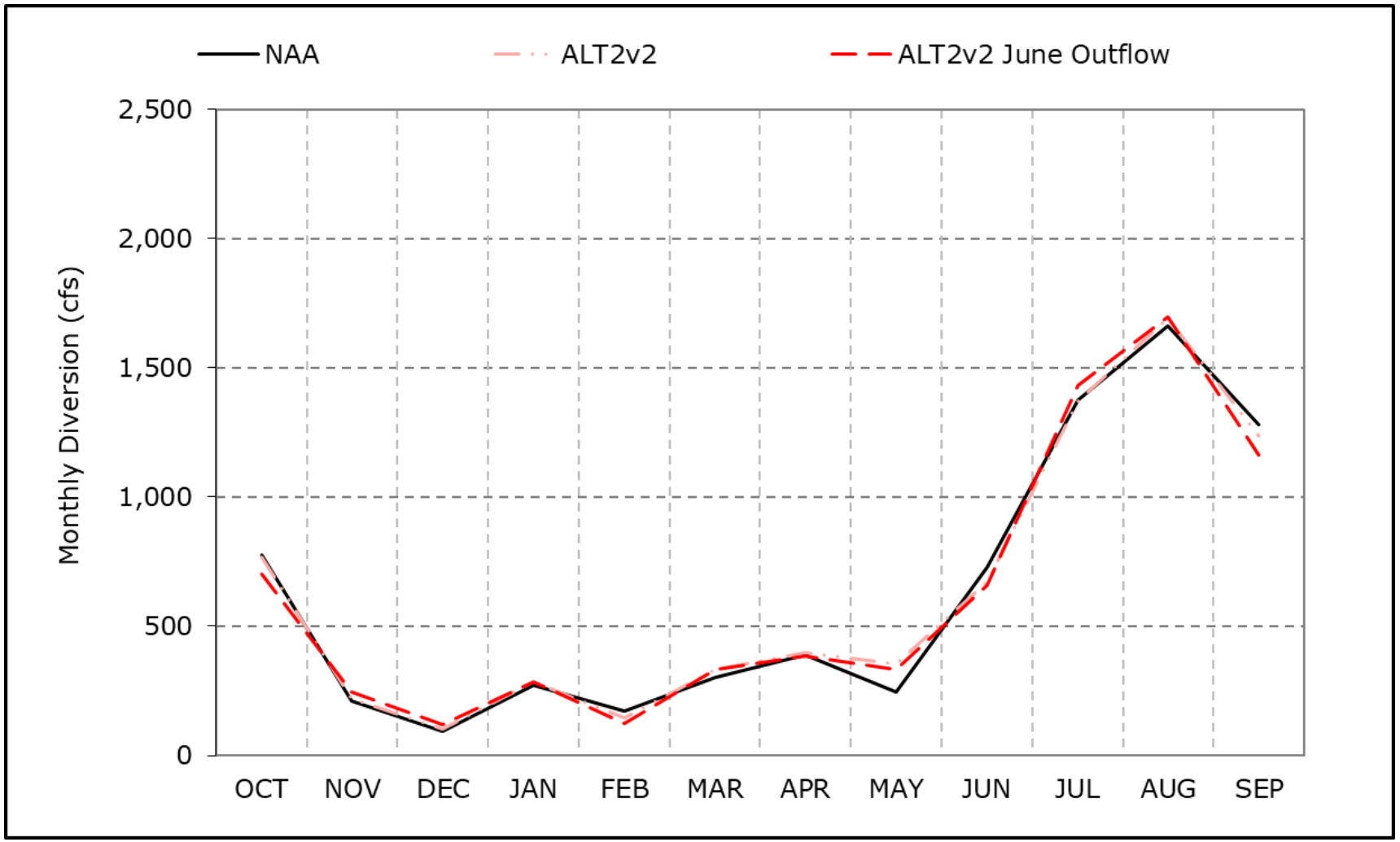
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,501	1,297	247	795	237	831	883	1,126	1,741	3,300	3,262	2,170
20% Exceedance	1,013	336	232	222	148	519	520	547	1,153	2,852	2,616	1,874
30% Exceedance	934	19	124	121	5	370	466	382	818	2,247	2,452	1,697
40% Exceedance	718	0	0	20	0	296	401	239	534	1,464	1,920	1,475
50% Exceedance	612	0	0	0	0	178	359	157	356	1,033	1,754	1,190
60% Exceedance	508	0	0	0	0	0	297	72	270	769	1,437	868
70% Exceedance	428	0	0	0	0	0	214	0	135	512	1,069	548
80% Exceedance	242	0	0	0	0	0	0	0	84	233	626	229
90% Exceedance	34	0	0	0	0	0	0	0	0	117	197	16
Full Simulation Period Average[a]	703	244	118	286	124	331	386	334	660	1,433	1,698	1,163
Wet Water Years (28%)	1,086	686	240	385	163	424	298	240	236	1,048	1,539	1,374
Above Normal Water Years (14%)	898	228	90	128	88	127	309	106	392	1,312	2,175	1,496
Below Normal Water Years (18%)	624	93	125	229	53	429	382	552	844	1,805	2,278	1,422
Dry Water Years (24%)	519	3	50	137	80	256	426	392	1,153	2,077	1,758	1,032
Critical Water Years (16%)	184	0	16	540	231	350	550	366	690	832	816	407

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

Table F.2.3-1-2c. Trinity Import–Clear Creek Tunnel, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

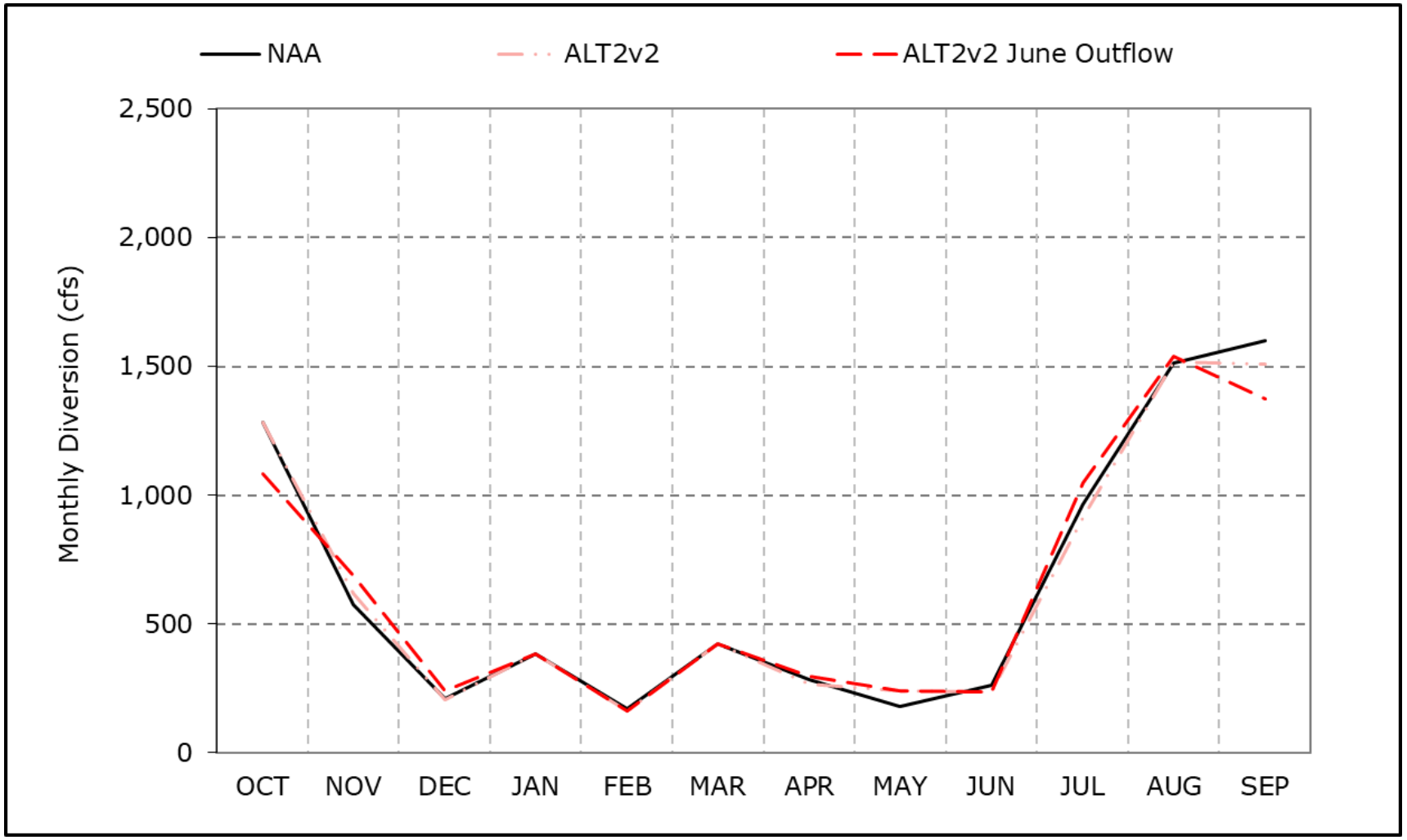
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-45	440	24	-236	-302	73	2	489	-203	0	150	-303
20% Exceedance	-184	112	69	27	-37	42	28	57	-132	236	19	-265
30% Exceedance	-66	18	47	71	-61	9	20	100	-127	104	58	-101
40% Exceedance	-120	0	0	20	0	18	21	69	-57	32	-81	-130
50% Exceedance	-116	0	0	0	0	53	28	67	-21	-52	-15	-155
60% Exceedance	-49	0	0	0	0	0	6	41	-10	82	-25	-174
70% Exceedance	-3	0	0	0	0	0	15	0	-78	10	-2	-151
80% Exceedance	-119	0	0	0	0	0	0	0	-77	-9	66	-80
90% Exceedance	-42	0	0	0	0	0	0	0	-27	-28	1	-48
Full Simulation Period Average[a]	-75	31	26	14	-46	30	-4	88	-69	58	33	-117
Wet Water Years (28%)	-197	111	31	3	-9	1	13	58	-24	83	27	-226
Above Normal Water Years (14%)	-141	-19	23	54	-20	-10	-6	42	-42	138	36	-367
Below Normal Water Years (18%)	26	14	58	12	-24	21	32	352	-80	-15	309	-50
Dry Water Years (24%)	-13	2	13	-78	-62	-1	27	-14	-92	15	-119	-20
Critical Water Years (16%)	0	0	0	137	-137	171	-116	39	-126	94	-43	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.



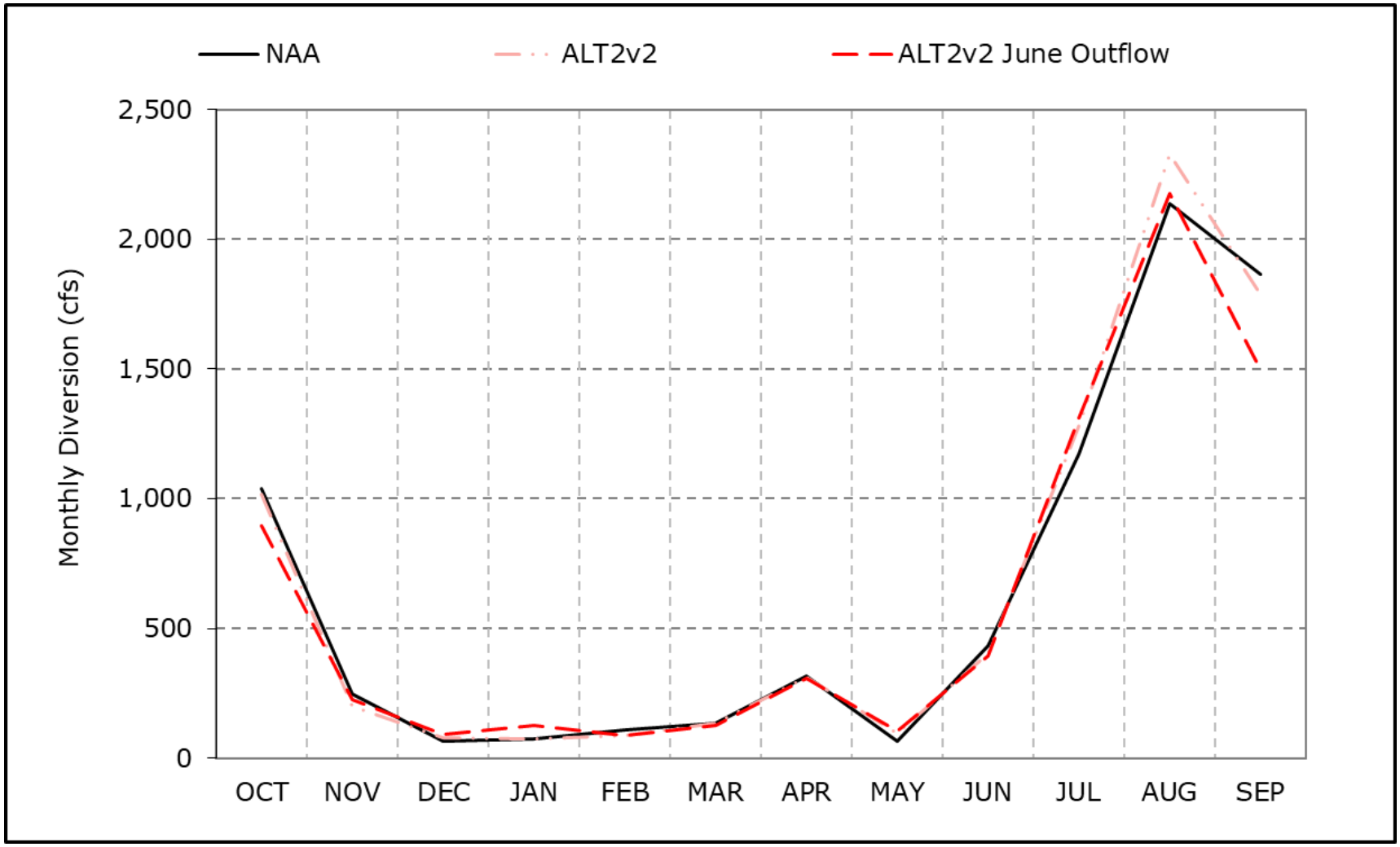
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-1. Trinity Import–Clear Creek Tunnel, Long-Term Average Diversion



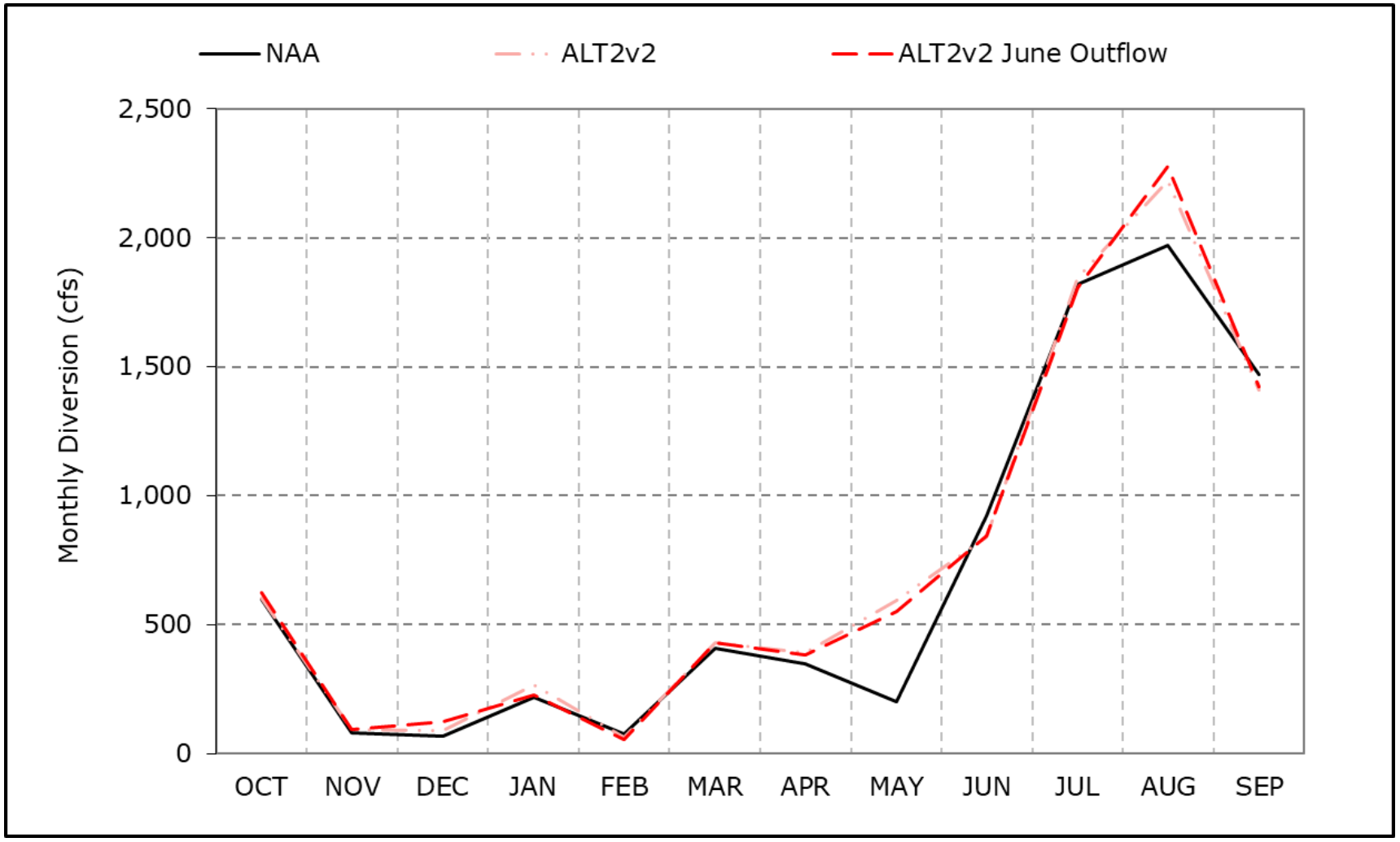
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-2. Trinity Import–Clear Creek Tunnel, Wet Year Average Diversion



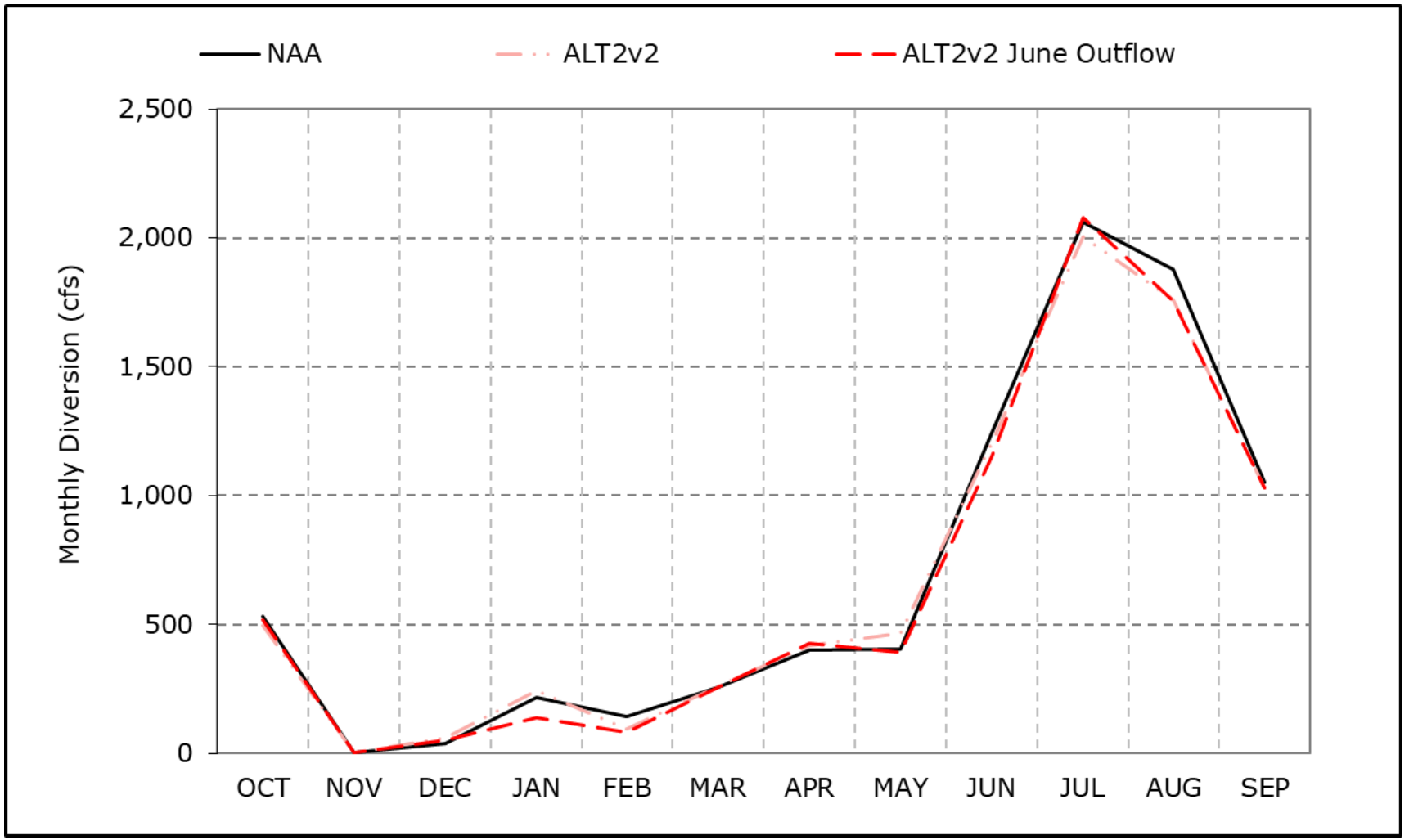
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-3. Trinity Import–Clear Creek Tunnel, Above Normal Year Average Diversion



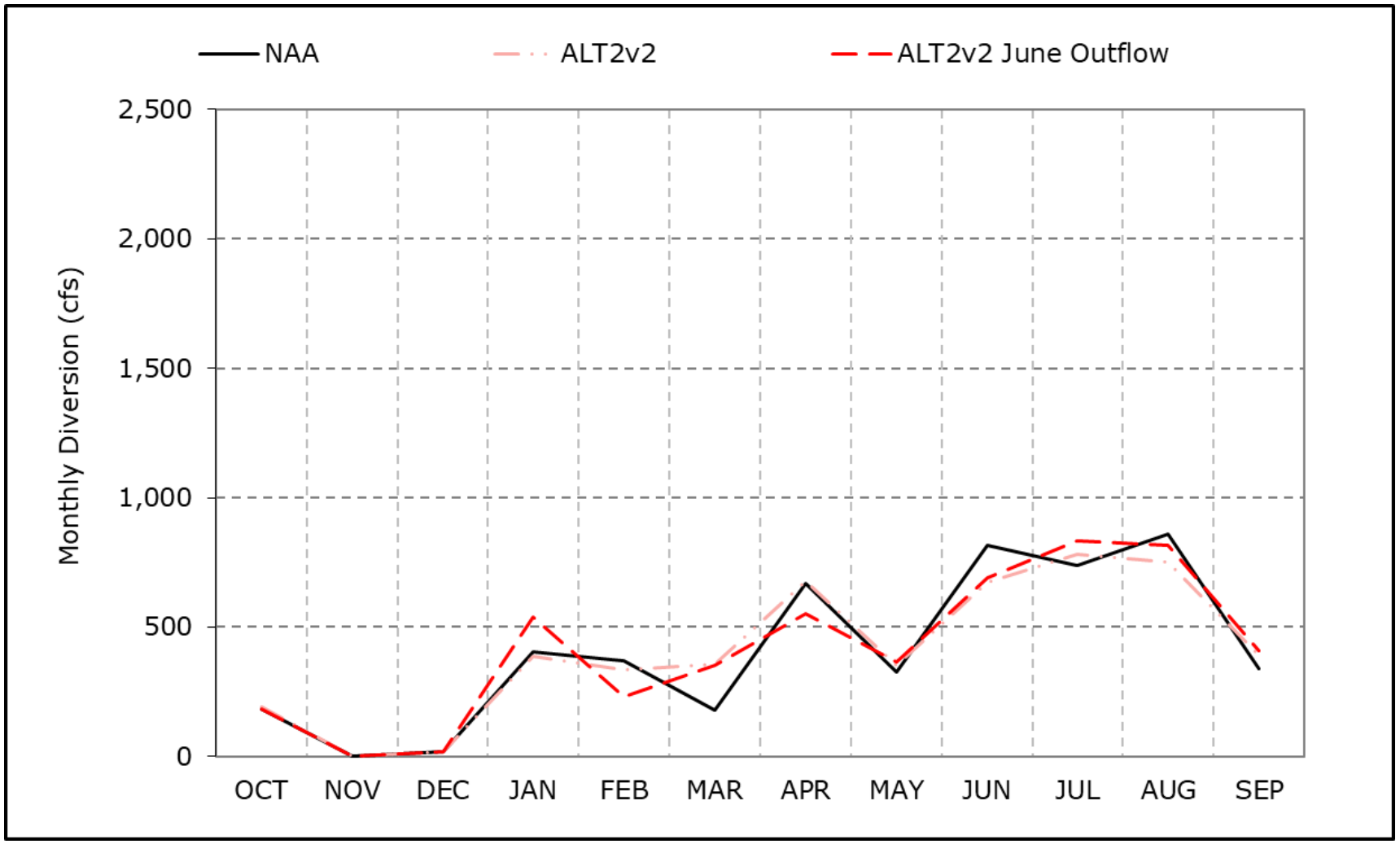
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-4. Trinity Import–Clear Creek Tunnel, Below Normal Year Average Diversion



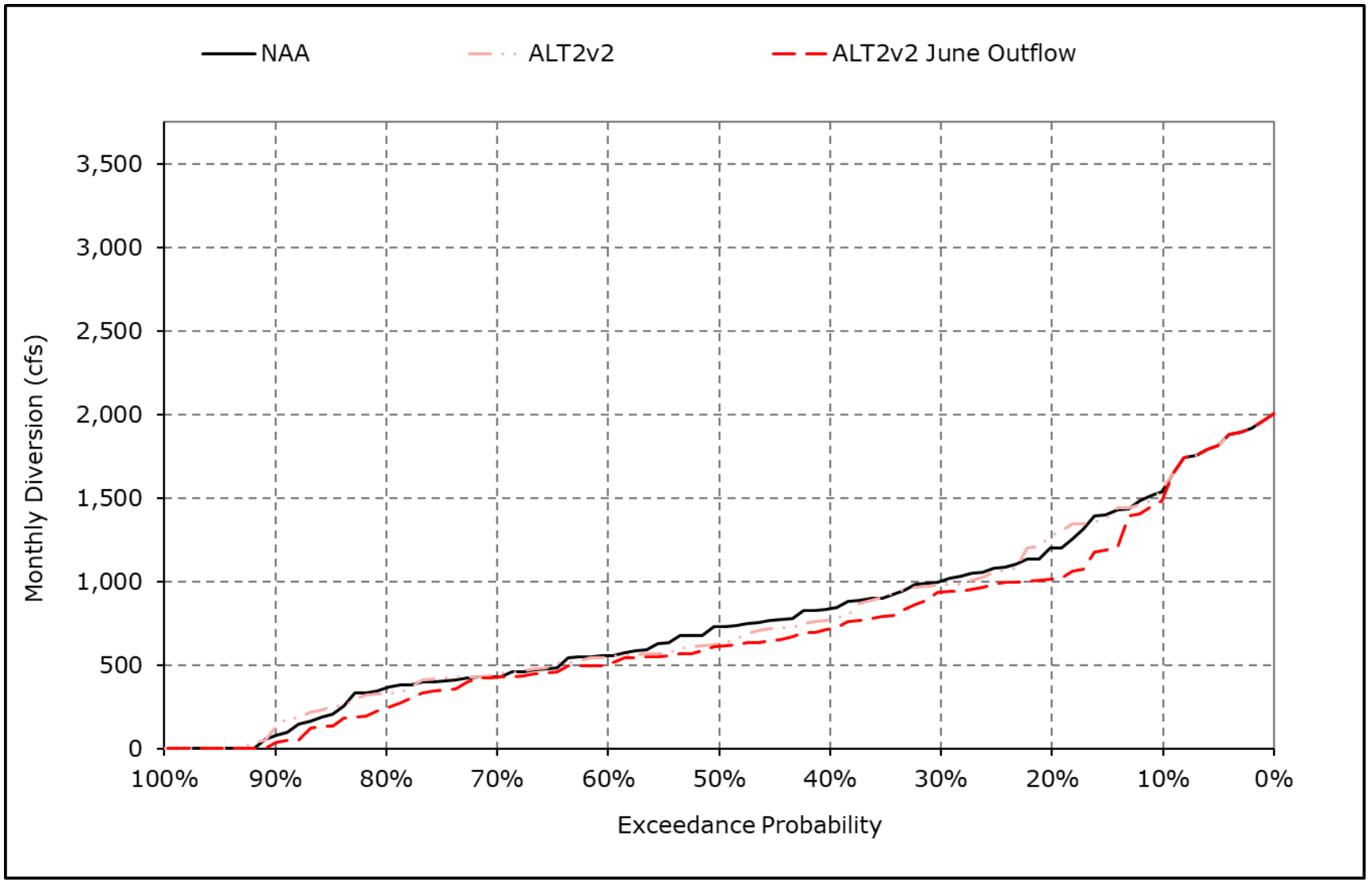
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-5. Trinity Import–Clear Creek Tunnel, Dry Year Average Diversion



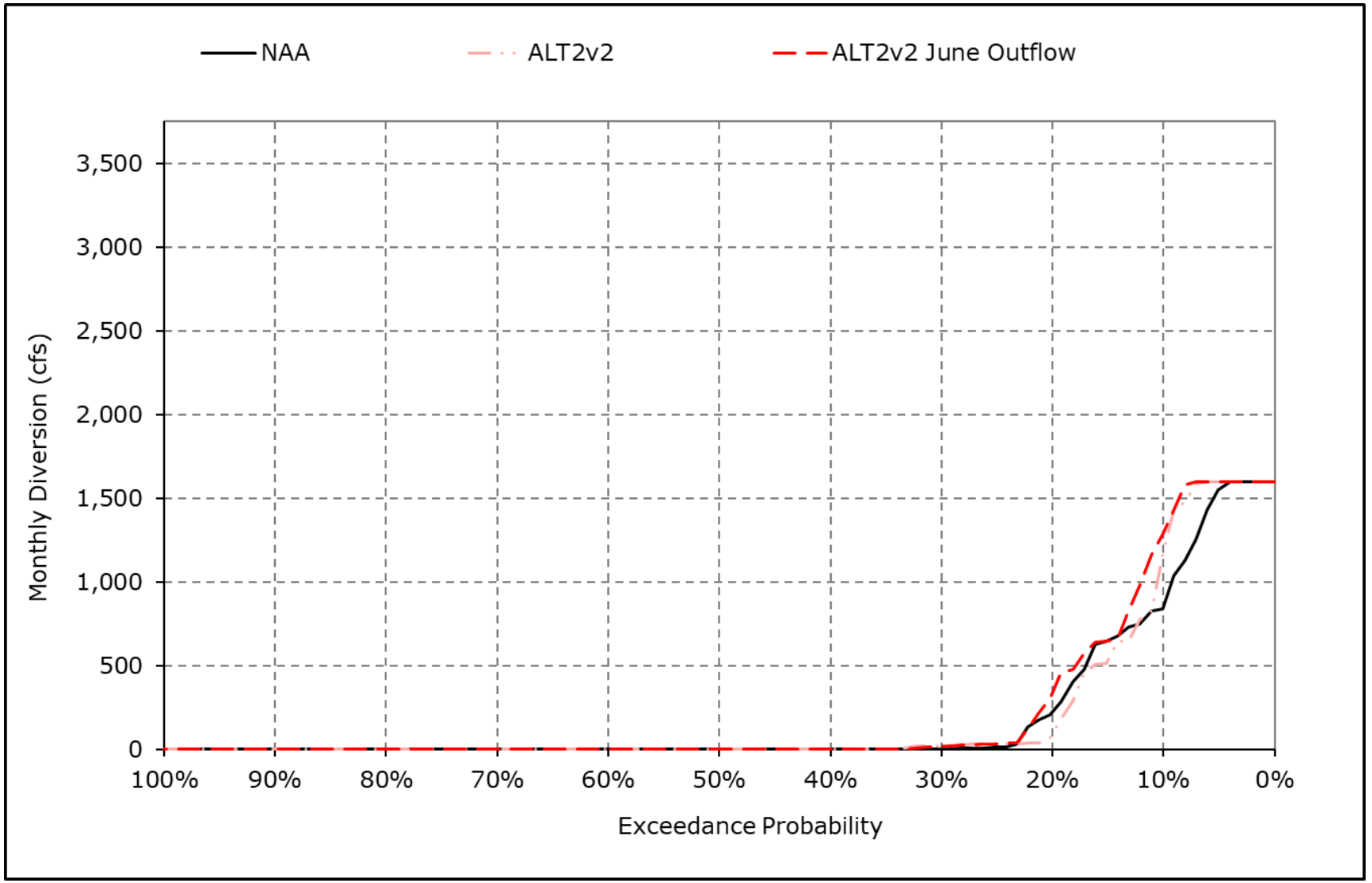
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-6. Trinity Import–Clear Creek Tunnel, Critical Year Average Diversion



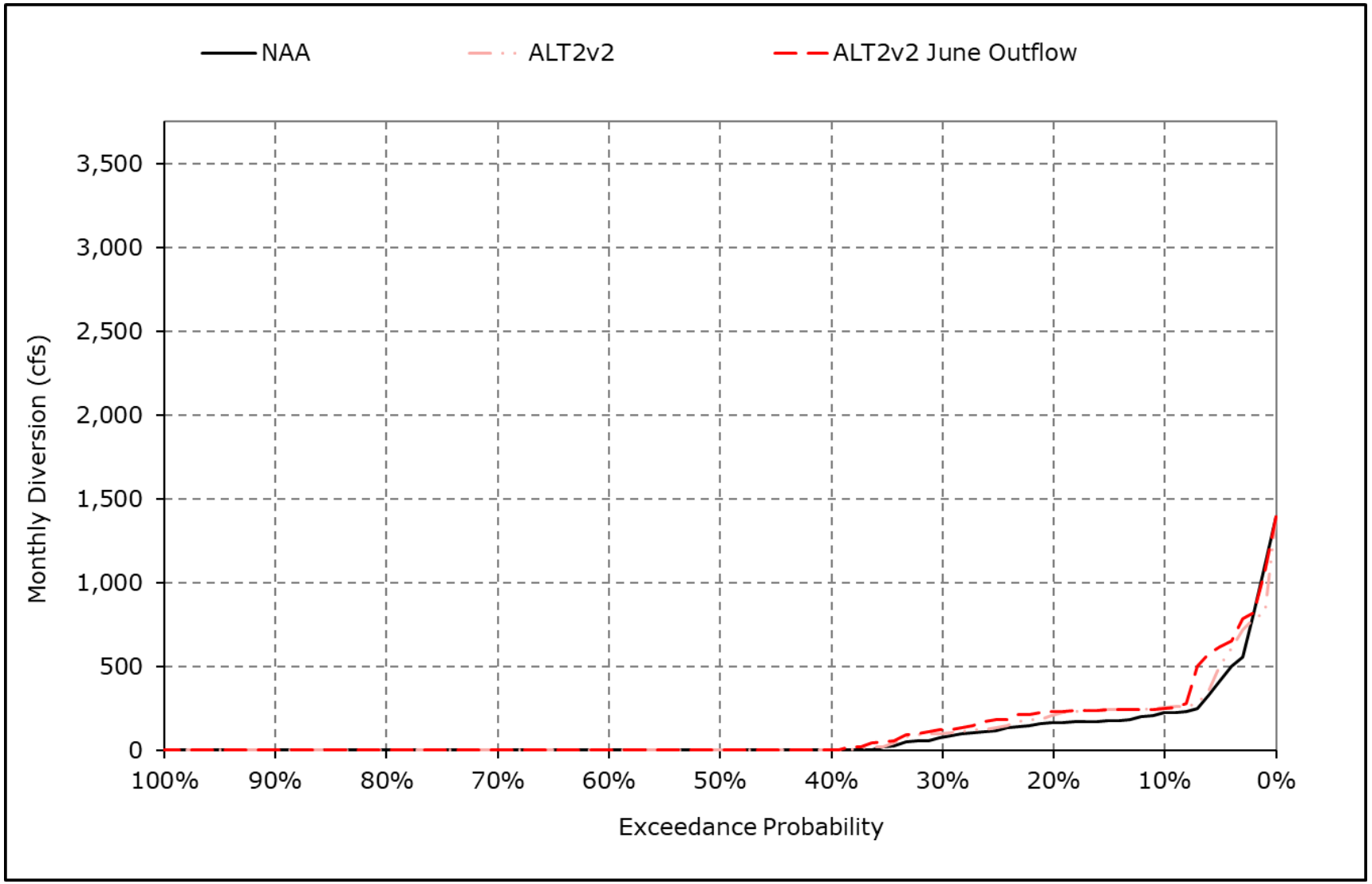
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-7. Trinity Import–Clear Creek Tunnel, October



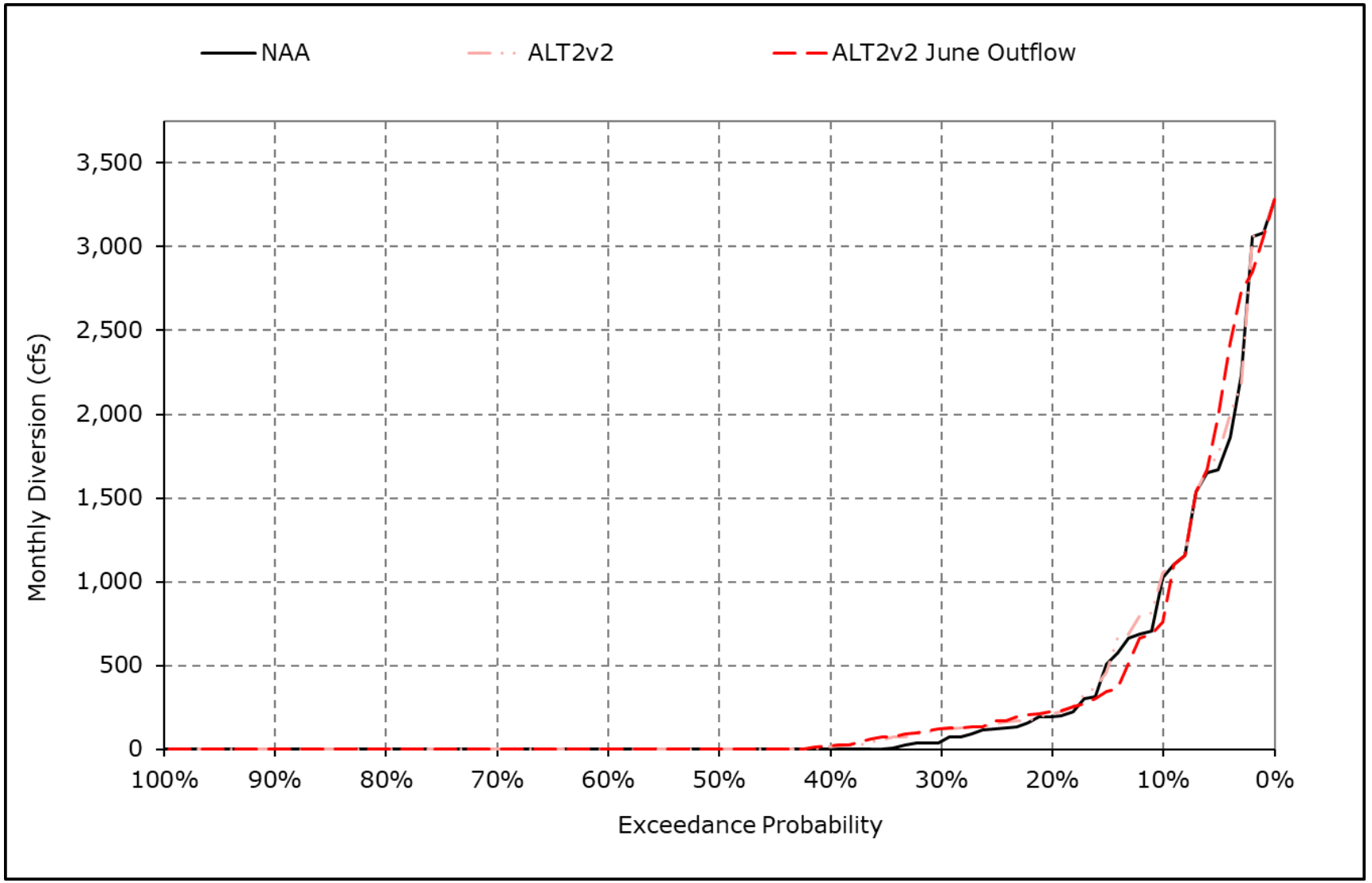
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-8. Trinity Import–Clear Creek Tunnel, November



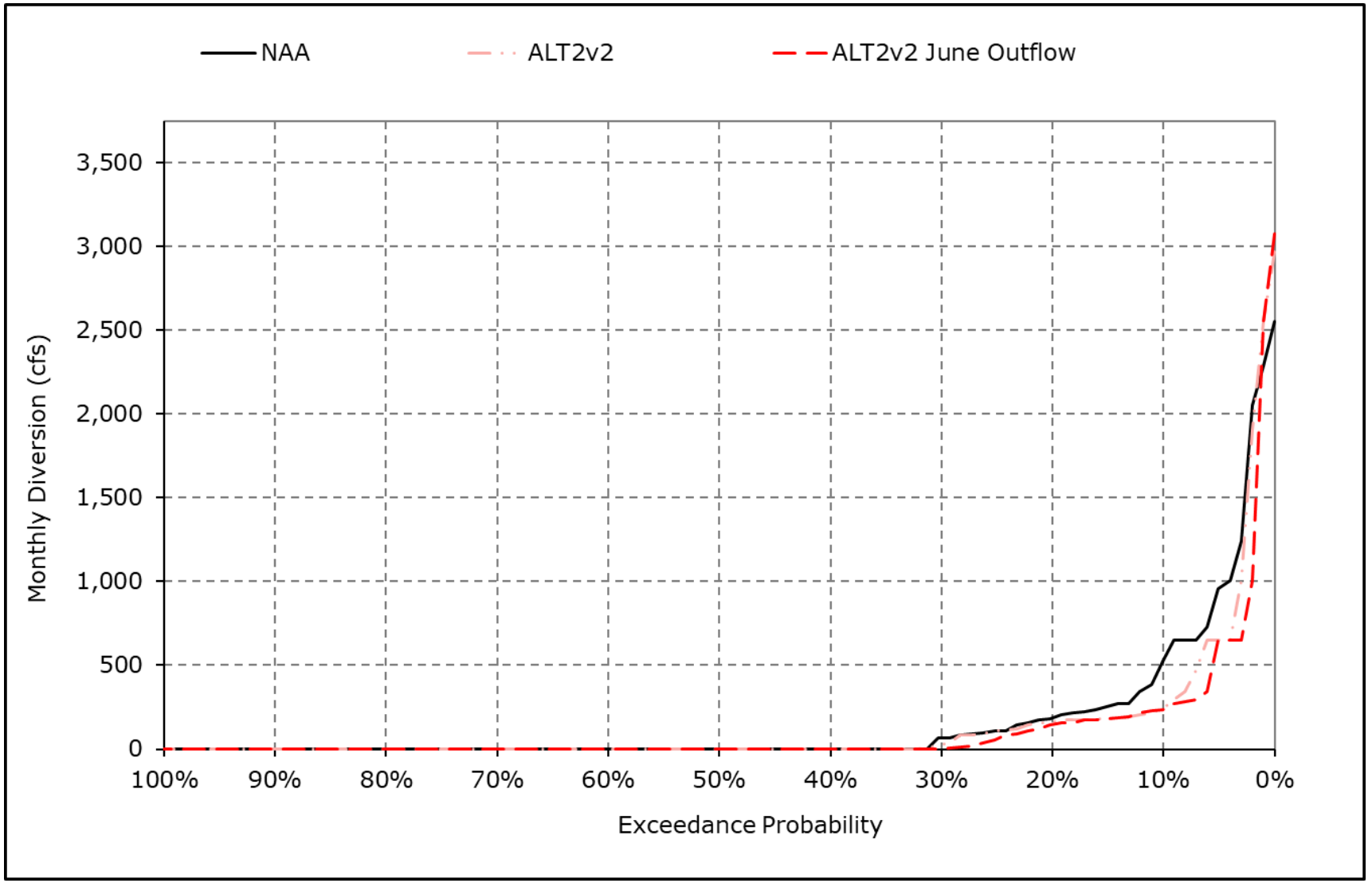
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-9. Trinity Import–Clear Creek Tunnel, December



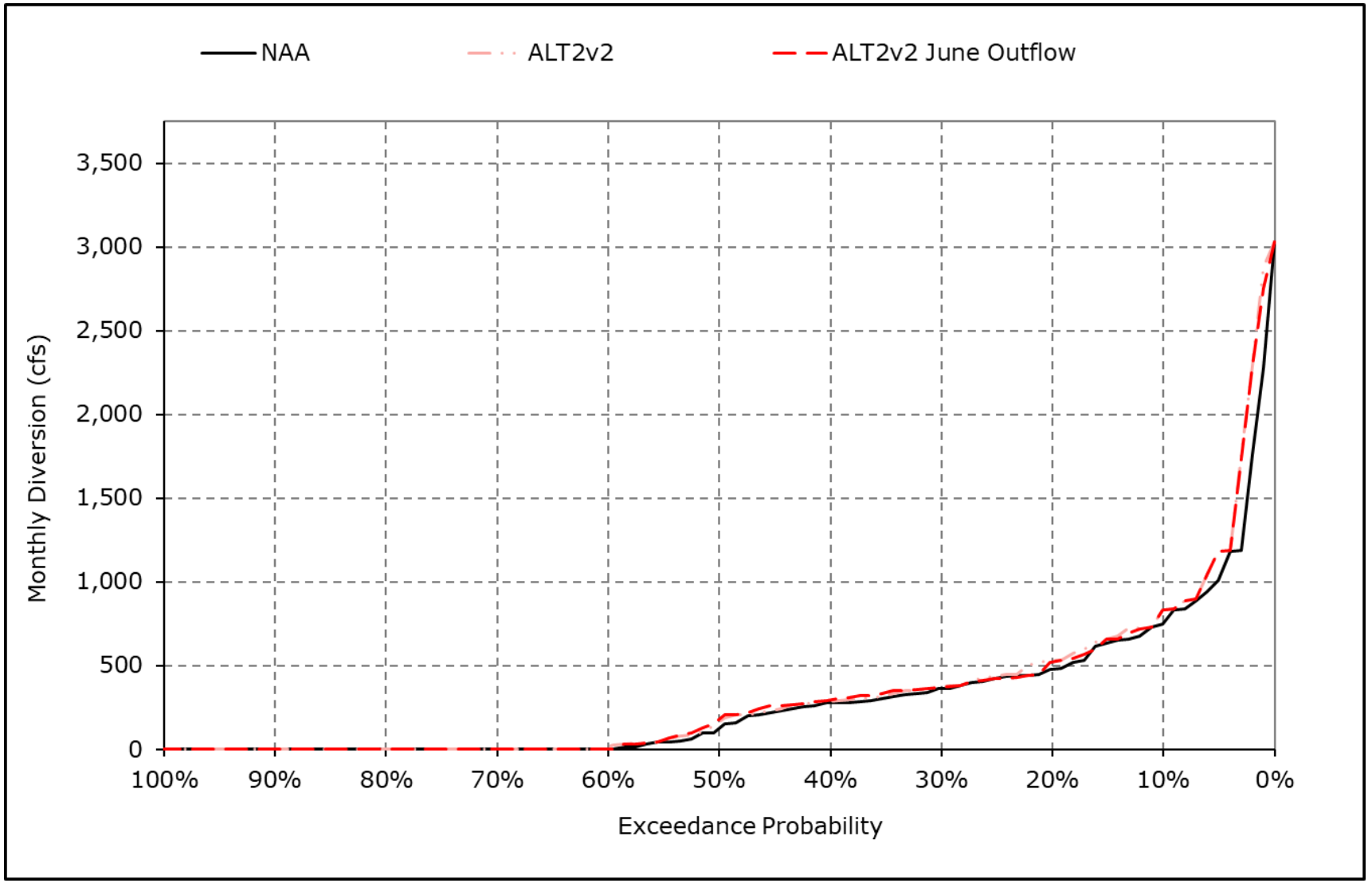
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-10. Trinity Import–Clear Creek Tunnel, January



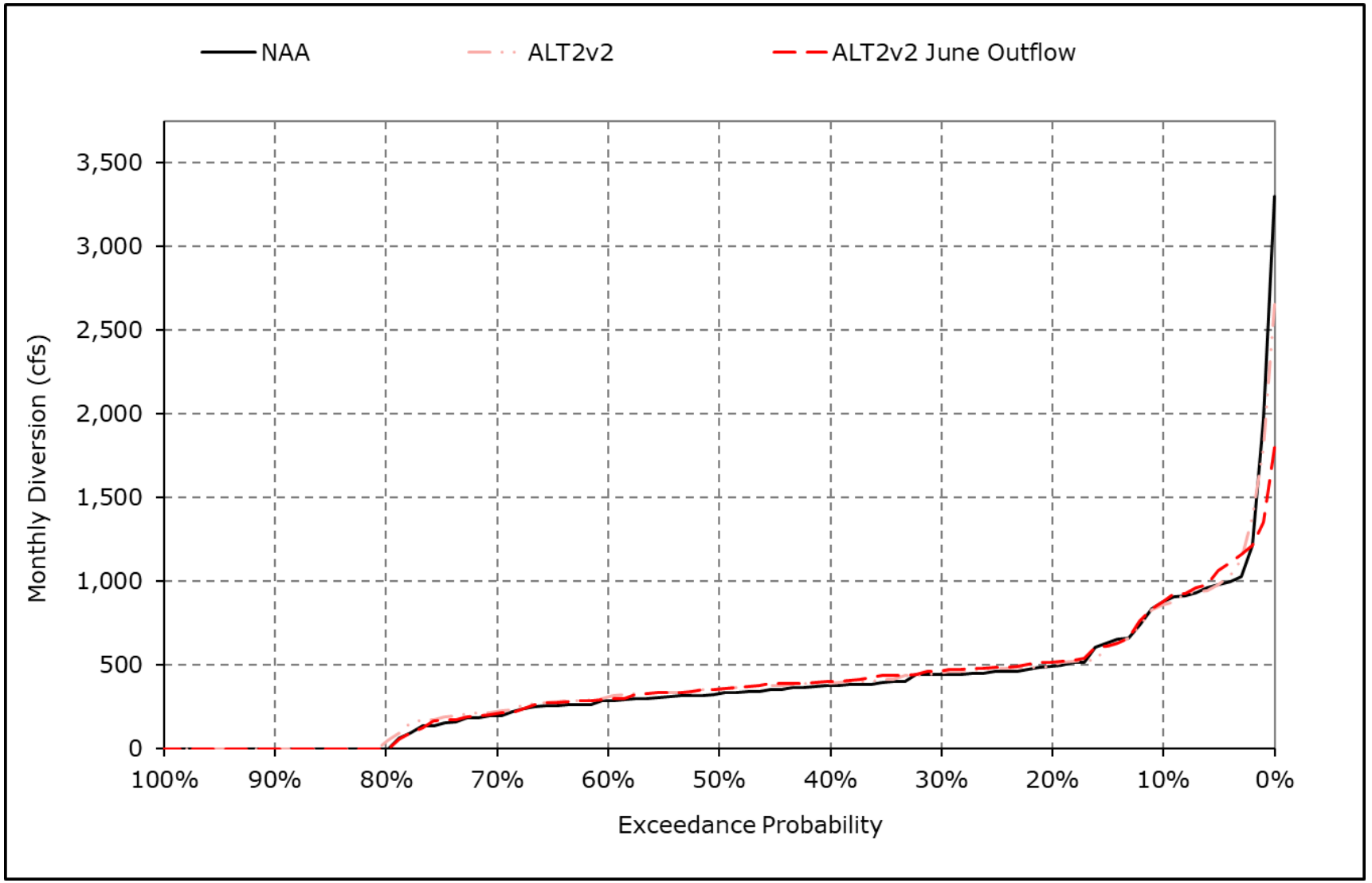
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-11. Trinity Import–Clear Creek Tunnel, February



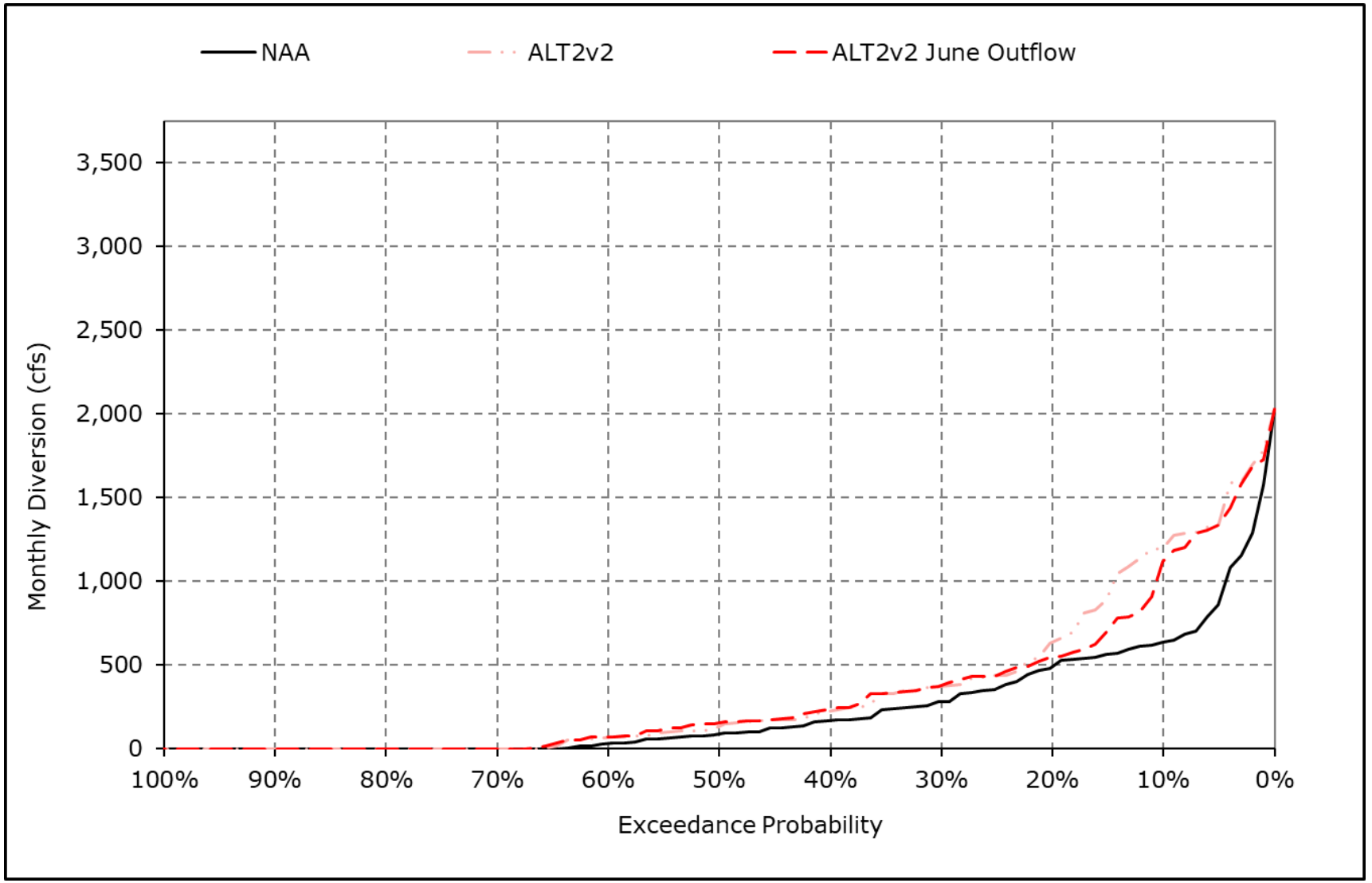
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-12. Trinity Import–Clear Creek Tunnel, March



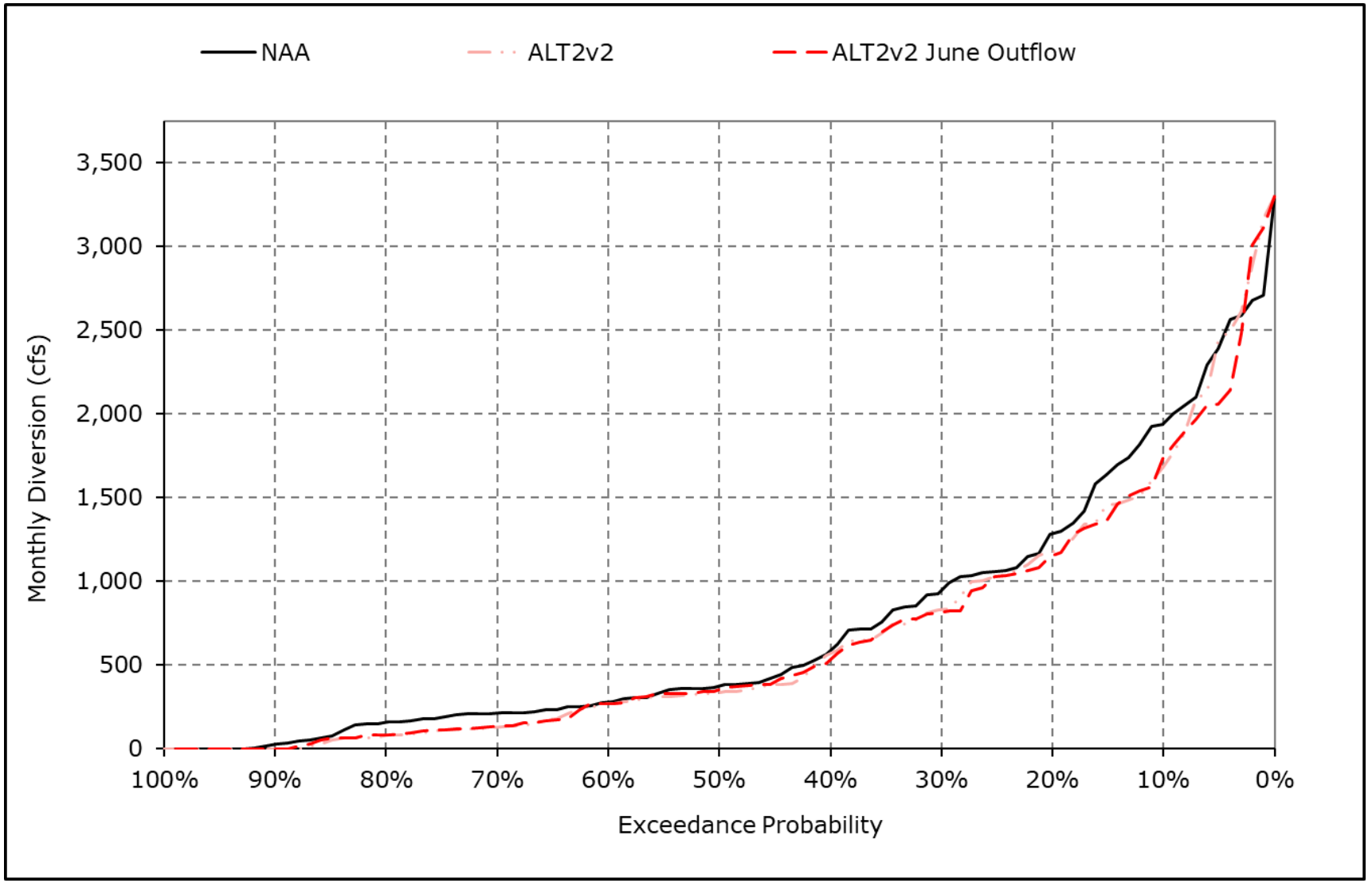
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-13. Trinity Import–Clear Creek Tunnel, April



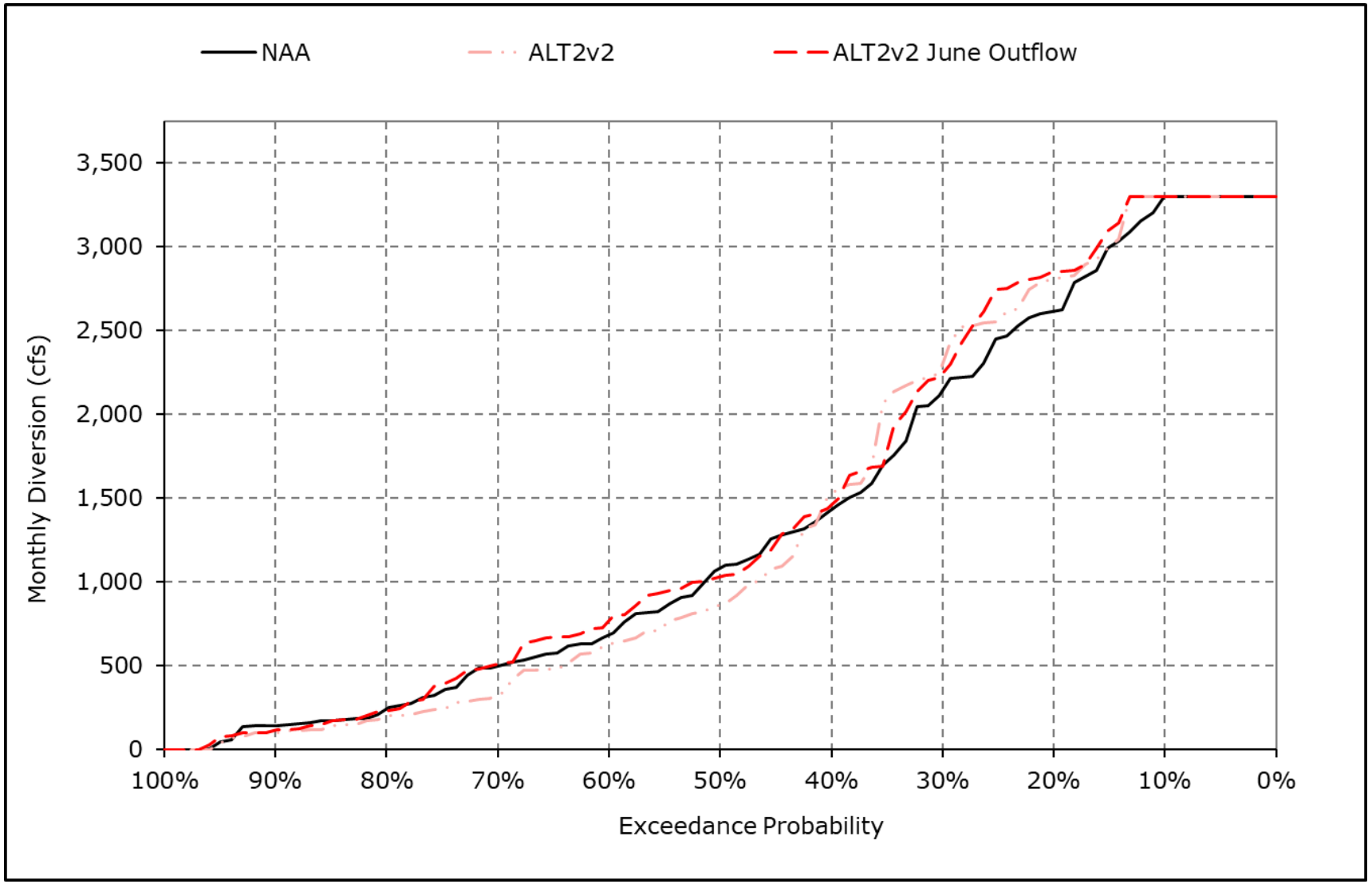
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-14. Trinity Import–Clear Creek Tunnel, May



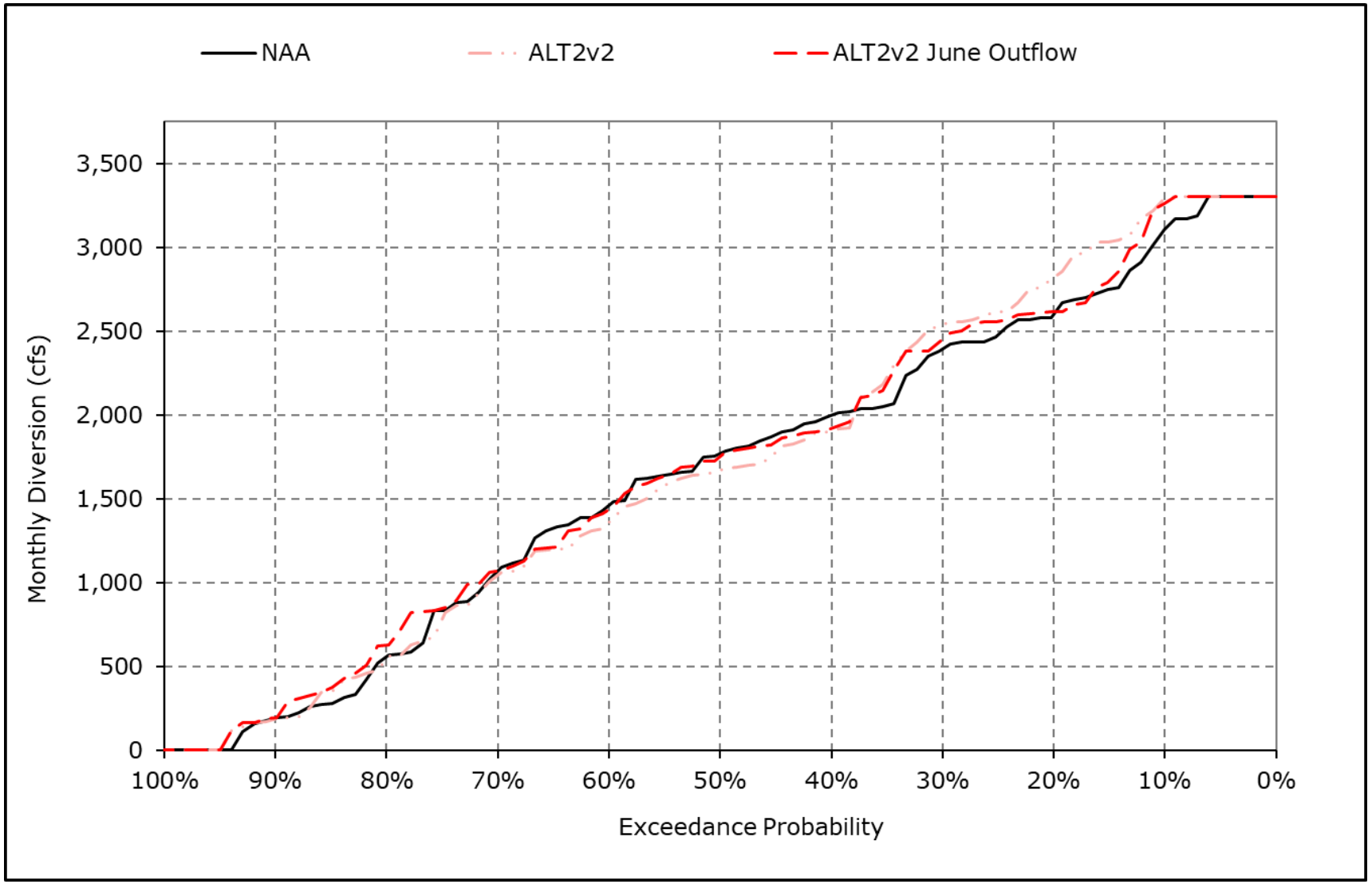
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-15. Trinity Import–Clear Creek Tunnel, June



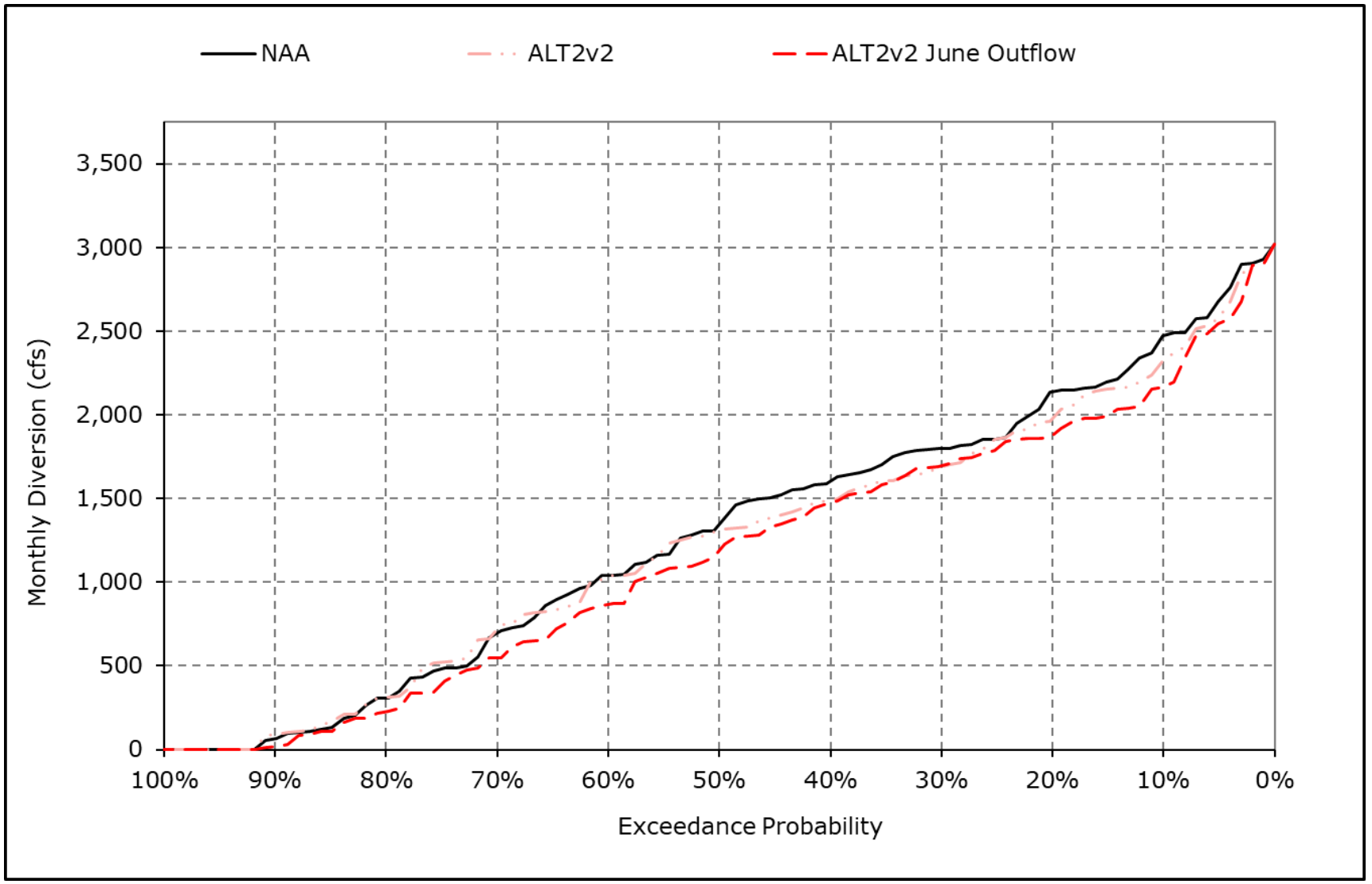
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-16. Trinity Import–Clear Creek Tunnel, July



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

Figure F.2.3-1-17. Trinity Import–Clear Creek Tunnel, August



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

Figure F.2.3-1-18. Trinity Import–Clear Creek Tunnel, September

Table F.2.3-2-1a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	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.2.3-2-1b. Red Bluff Diversion–Tehama Colusa Canal, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	39	616	909	1,158	1,282	1,220	718
20% Exceedance	307	44	25	65	48	29	581	881	1,128	1,228	1,178	700
30% Exceedance	268	42	24	59	45	22	539	830	1,079	1,205	1,146	652
40% Exceedance	213	41	23	55	42	20	473	758	1,039	1,158	1,119	612
50% Exceedance	190	38	20	52	37	20	413	697	1,010	1,116	1,047	526
60% Exceedance	158	29	16	48	32	20	334	642	910	979	912	439
70% Exceedance	135	21	8	42	25	20	213	569	781	728	758	338
80% Exceedance	81	18	6	33	20	20	125	477	593	591	620	278
90% Exceedance	48	10	0	23	14	20	37	230	250	226	338	92
Full Simulation Period Average[a]	193	32	16	50	36	25	370	645	861	928	913	477
Wet Water Years (28%)	262	44	25	47	34	23	385	744	1,076	1,218	1,180	663
Above Normal Water Years (14%)	217	42	25	46	28	23	524	815	1,106	1,197	1,131	663
Below Normal Water Years (18%)	204	32	16	54	40	30	429	733	939	995	963	486
Dry Water Years (24%)	174	25	11	55	38	25	381	660	825	831	823	395
Critical Water Years (16%)	60	11	1	44	36	24	127	199	233	259	335	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.2.3-2-1c. Red Bluff Diversion–Tehama Colusa Canal, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-5	3	0	2	0	0	0
20% Exceedance	2	0	0	-1	0	-1	-6	6	0	2	0	0
30% Exceedance	-5	0	0	-1	0	0	-10	-5	1	10	0	3
40% Exceedance	-24	0	0	0	0	-1	-18	-17	-1	8	0	2
50% Exceedance	-16	1	0	0	0	0	-11	-37	0	22	15	-26
60% Exceedance	-17	-2	-1	0	-2	0	-38	-49	-42	-47	-69	-24
70% Exceedance	-5	-4	-3	-1	-4	0	-64	-63	-64	-117	-82	-69
80% Exceedance	-2	-4	-3	-4	-1	0	-2	-58	-163	-176	-157	-62
90% Exceedance	-4	0	0	-3	-1	0	-37	-40	-19	-9	-10	-13
Full Simulation Period Average[a]	-10	-1	-1	-1	-1	-2	-15	-38	-39	-35	-34	-21
Wet Water Years (28%)	0	0	0	-1	0	0	-1	-1	-1	-1	-1	0
Above Normal Water Years (14%)	0	0	0	0	-1	0	-4	5	5	4	3	1
Below Normal Water Years (18%)	-12	-2	-2	0	0	-2	-29	-45	-58	-66	-56	-37
Dry Water Years (24%)	-15	-2	-1	-1	-1	-3	-27	-53	-58	-57	-49	-35
Critical Water Years (16%)	-28	-1	-1	-4	-3	-4	-17	-112	-91	-63	-77	-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 Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-2-2a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	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.2.3-2-2b. Red Bluff Diversion–Tehama Colusa Canal, ALT2v2 June Outflow, Monthly Diversion (cfs)

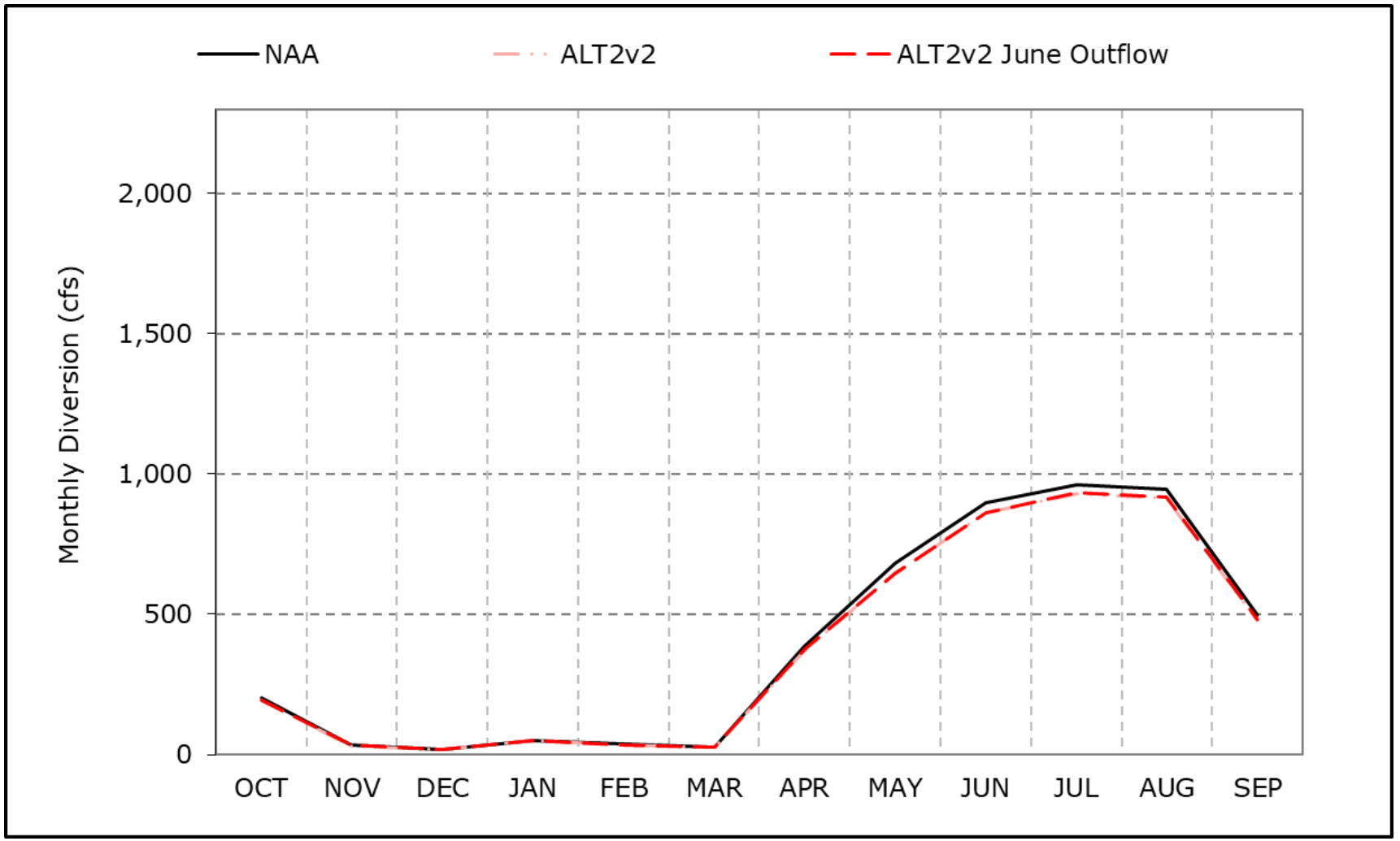
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	332	45	27	71	55	39	623	912	1,156	1,282	1,220	718
20% Exceedance	302	44	25	65	48	29	589	878	1,128	1,228	1,178	700
30% Exceedance	269	42	24	59	45	22	556	832	1,078	1,205	1,151	652
40% Exceedance	231	41	23	55	42	20	492	761	1,040	1,158	1,119	612
50% Exceedance	194	38	21	52	37	20	414	697	1,004	1,112	1,054	529
60% Exceedance	160	30	16	48	32	20	341	648	951	993	947	467
70% Exceedance	140	23	10	43	25	20	204	573	800	742	805	337
80% Exceedance	79	18	6	35	20	20	123	467	633	608	632	281
90% Exceedance	43	10	0	23	14	20	37	183	232	223	330	71
Full Simulation Period Average[a]	194	32	17	50	36	25	376	646	863	934	919	481
Wet Water Years (28%)	262	44	25	47	34	23	387	743	1,076	1,218	1,181	663
Above Normal Water Years (14%)	217	42	25	46	28	23	536	816	1,108	1,199	1,133	664
Below Normal Water Years (18%)	205	33	16	54	40	31	440	737	946	1,005	972	492
Dry Water Years (24%)	178	25	12	55	38	25	392	674	846	855	845	411
Critical Water Years (16%)	53	11	1	45	36	23	117	181	211	242	323	97

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

Table F.2.3-2-2c. Red Bluff Diversion–Tehama Colusa Canal, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

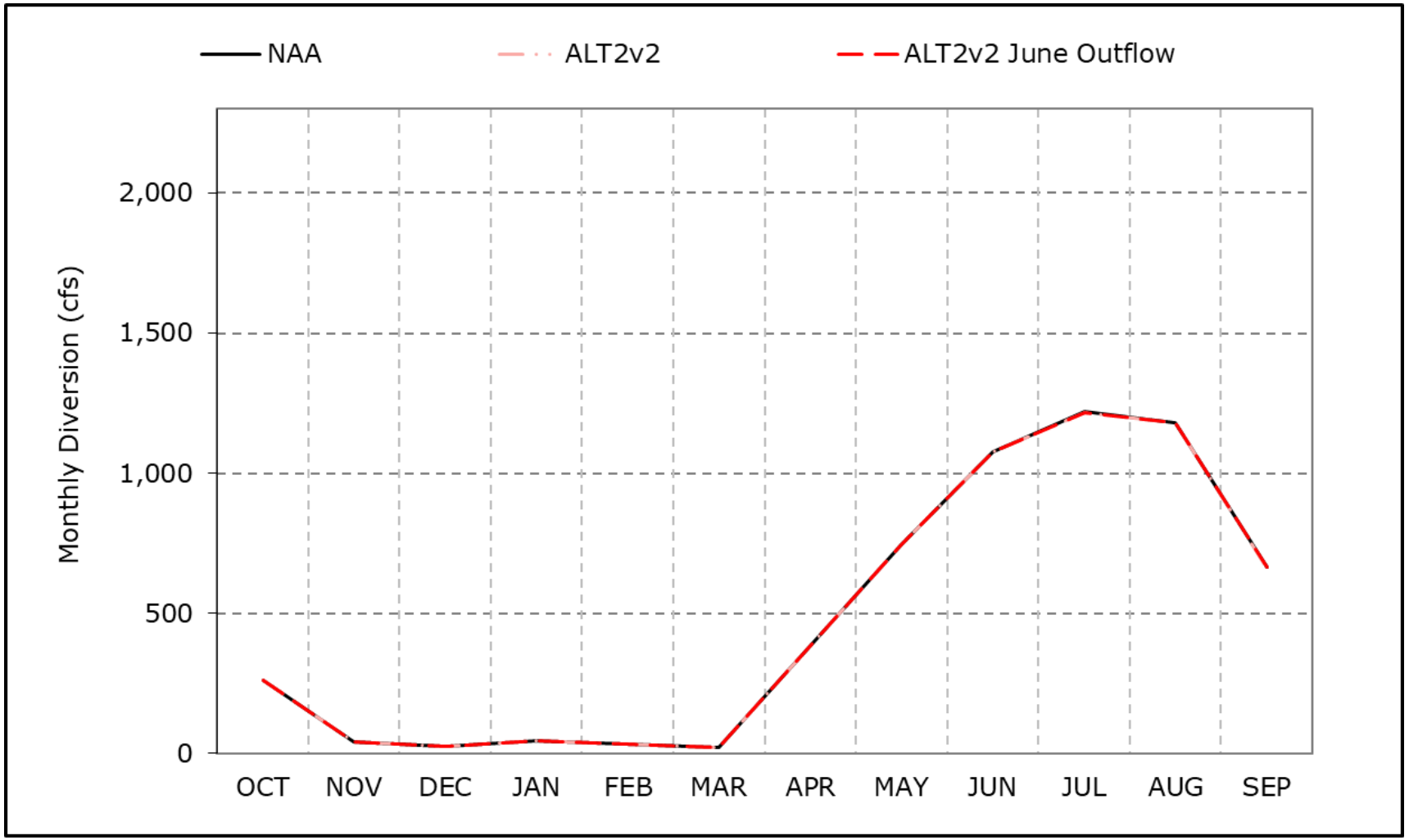
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	0	0	0	-5	10	3	0	0	0	0
20% Exceedance	-2	0	0	-1	0	-1	2	3	-1	1	0	0
30% Exceedance	-4	0	0	-1	0	0	8	-2	-1	10	4	2
40% Exceedance	-6	0	0	0	0	-1	0	-14	0	8	1	1
50% Exceedance	-12	1	1	0	0	0	-10	-36	-6	19	22	-23
60% Exceedance	-15	-1	-1	0	-2	0	-32	-42	-2	-34	-35	4
70% Exceedance	-1	-2	-2	0	-4	0	-72	-59	-44	-103	-34	-71
80% Exceedance	-4	-4	-3	-2	-1	0	-4	-68	-122	-159	-146	-60
90% Exceedance	-9	0	0	-3	-1	0	-37	-88	-37	-12	-17	-34
Full Simulation Period Average[a]	-9	-1	0	-1	-1	-2	-9	-37	-36	-30	-29	-17
Wet Water Years (28%)	0	0	0	-1	0	0	2	-2	-1	0	0	0
Above Normal Water Years (14%)	0	0	0	0	-1	0	9	7	7	6	5	2
Below Normal Water Years (18%)	-10	-2	-1	0	0	-1	-18	-42	-51	-56	-47	-30
Dry Water Years (24%)	-10	-1	-1	-1	-1	-3	-15	-39	-38	-33	-27	-20
Critical Water Years (16%)	-35	-1	-1	-4	-3	-5	-26	-130	-112	-79	-89	-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.



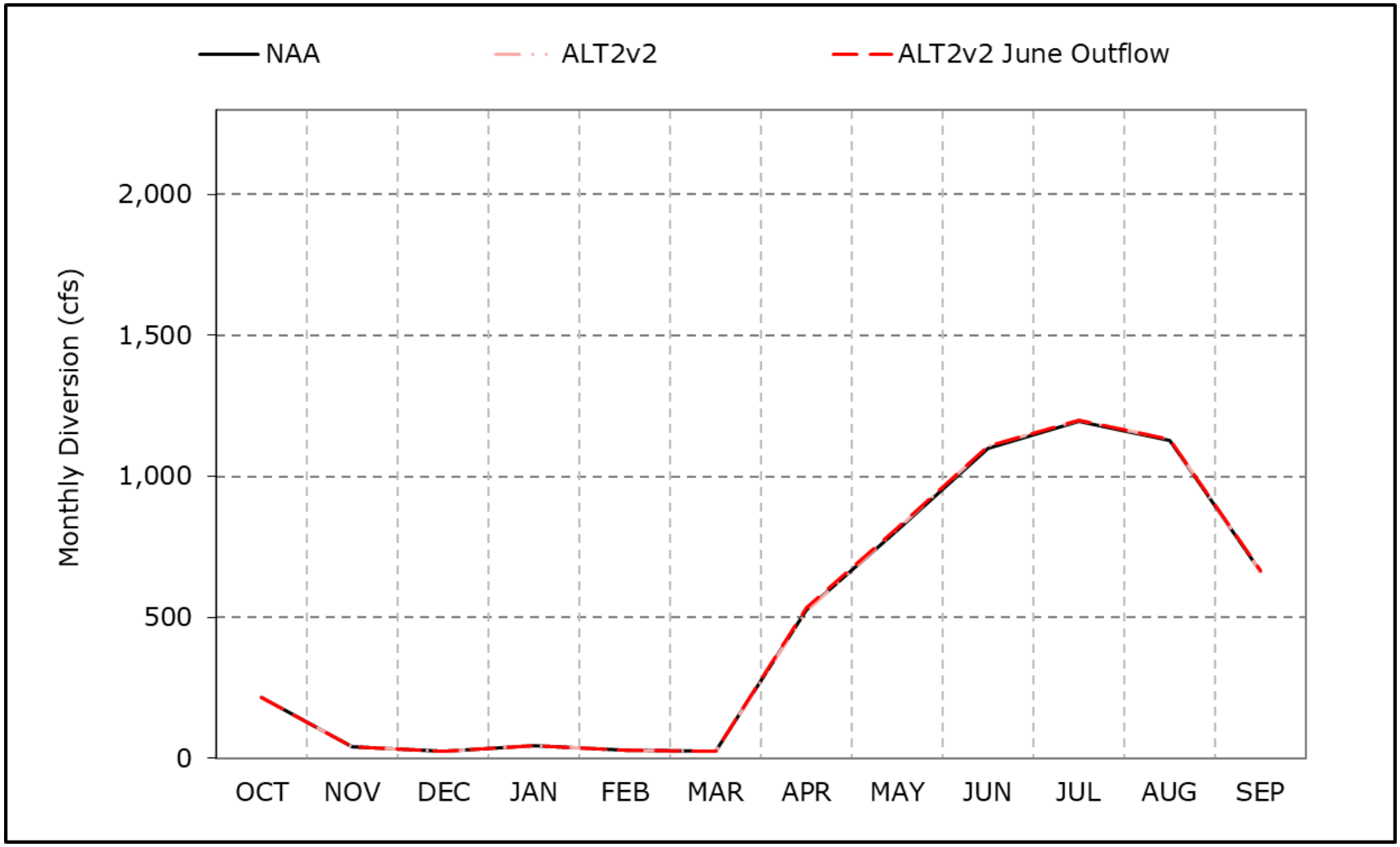
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-1. Red Bluff Diversion–Tehama Colusa Canal, Long-Term Average Diversion



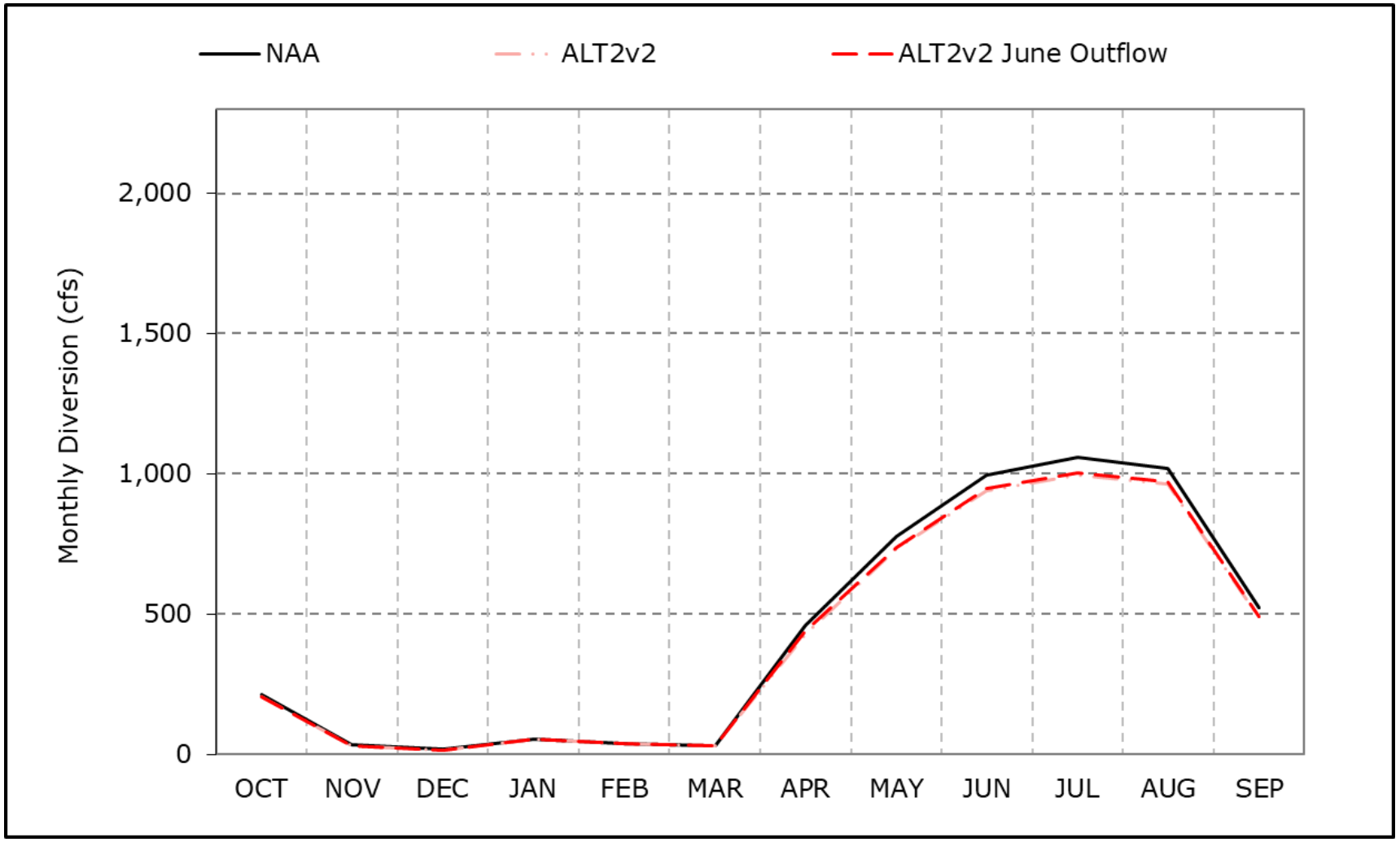
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-2. Red Bluff Diversion–Tehama Colusa Canal, Wet Year Average Diversion



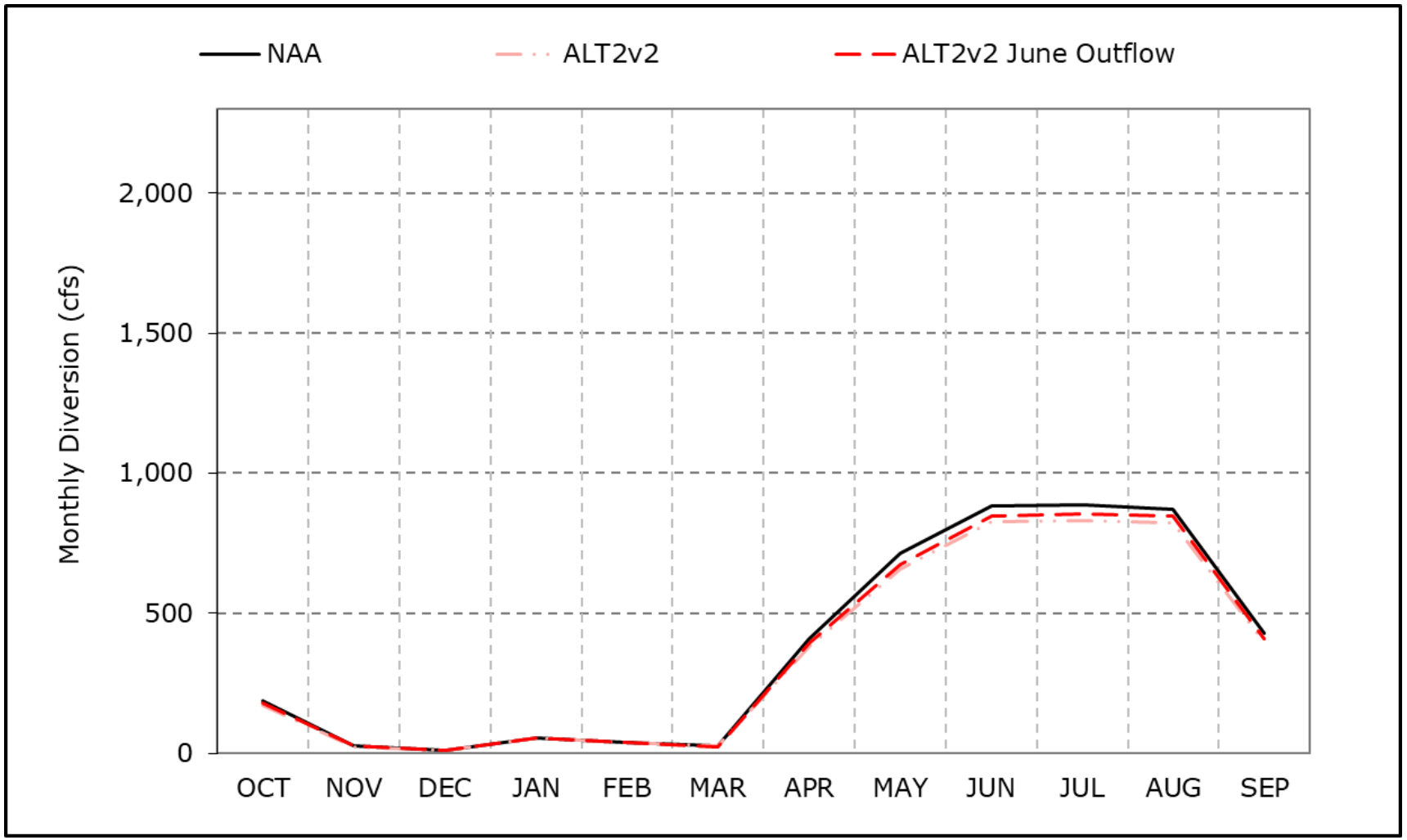
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-3. Red Bluff Diversion–Tehama Colusa Canal, Above Normal Year Average Diversion



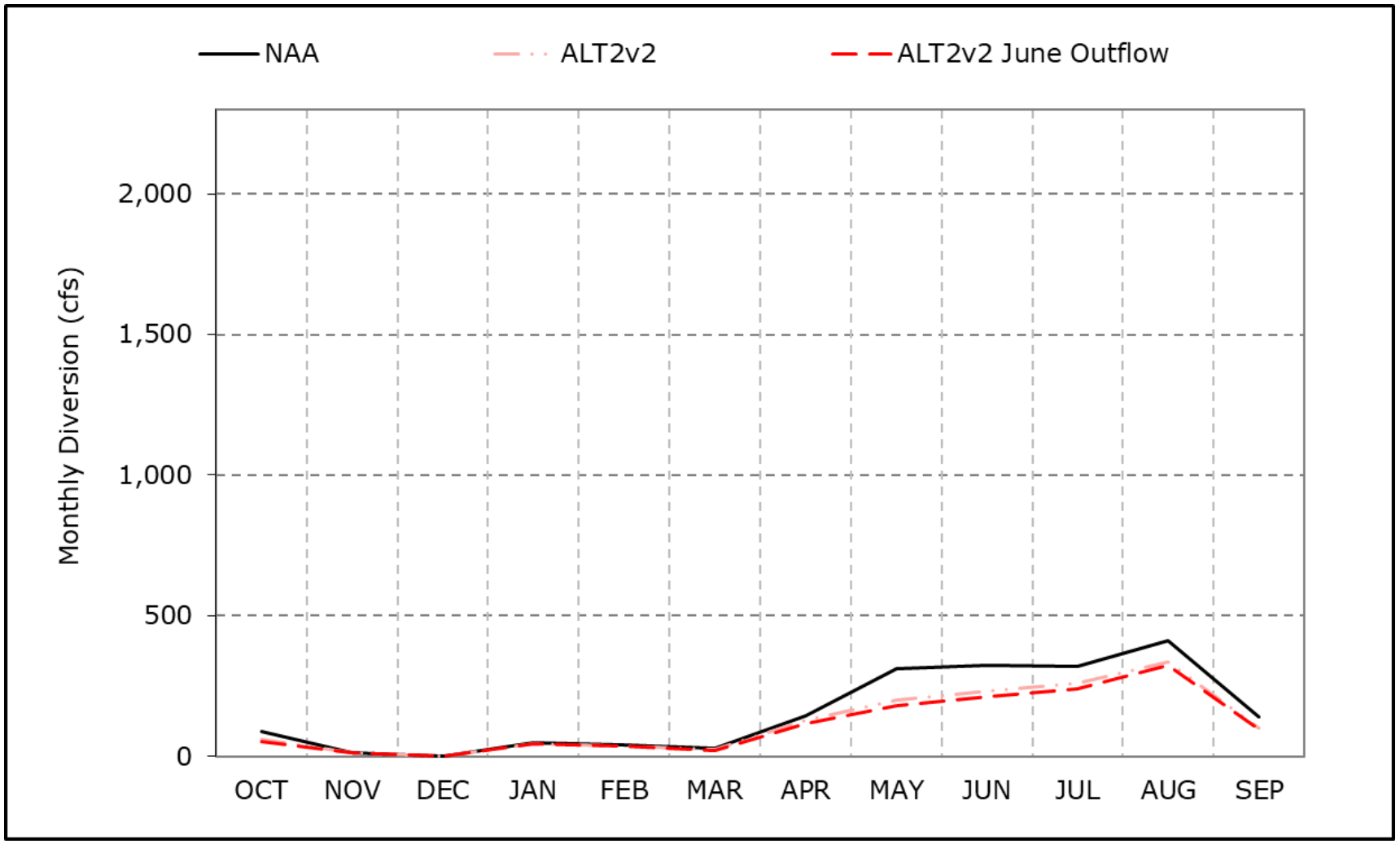
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-4. Red Bluff Diversion–Tehama Colusa Canal, Below Normal Year Average Diversion



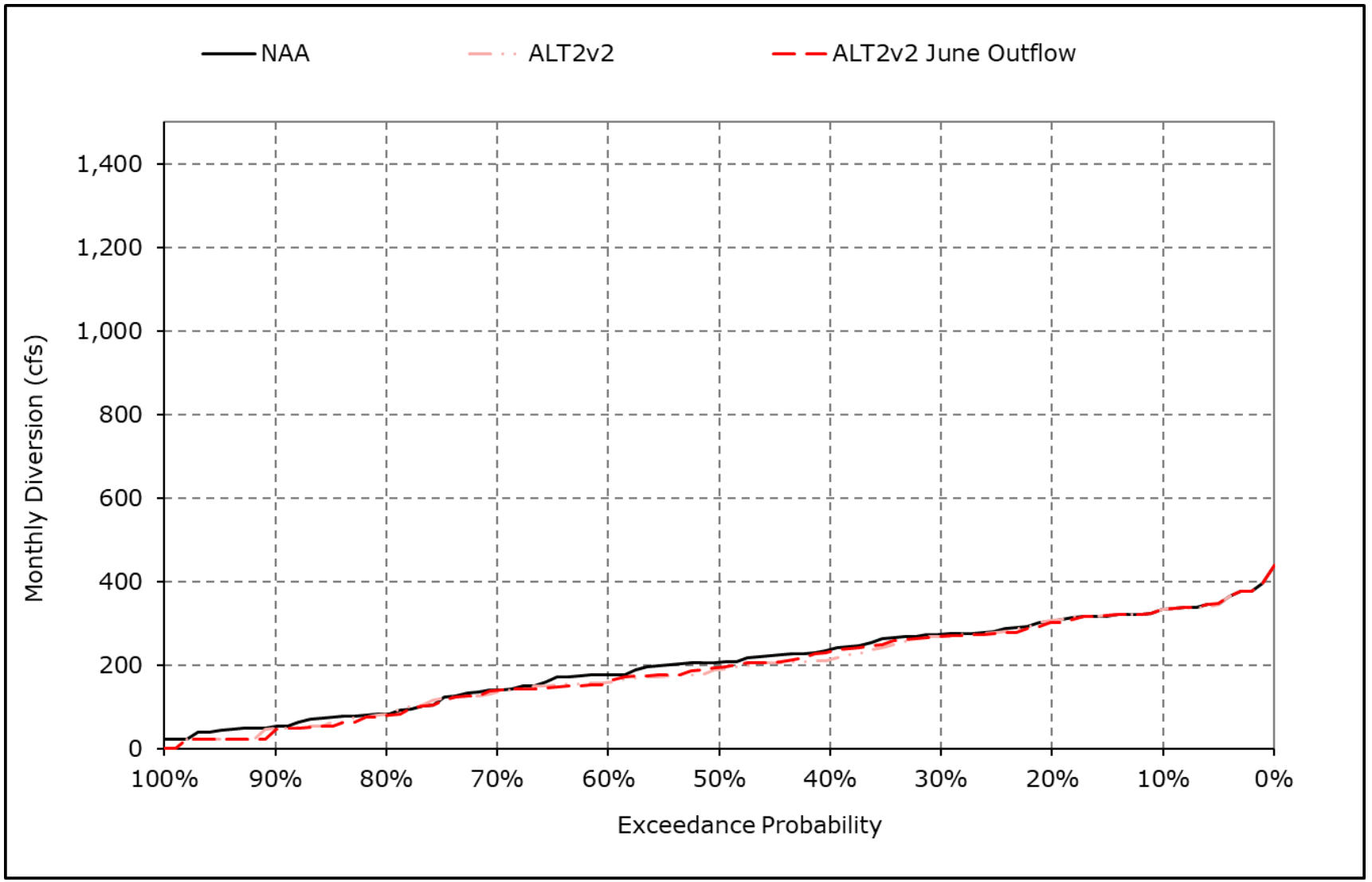
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-5. Red Bluff Diversion–Tehama Colusa Canal, Dry Year Average Diversion



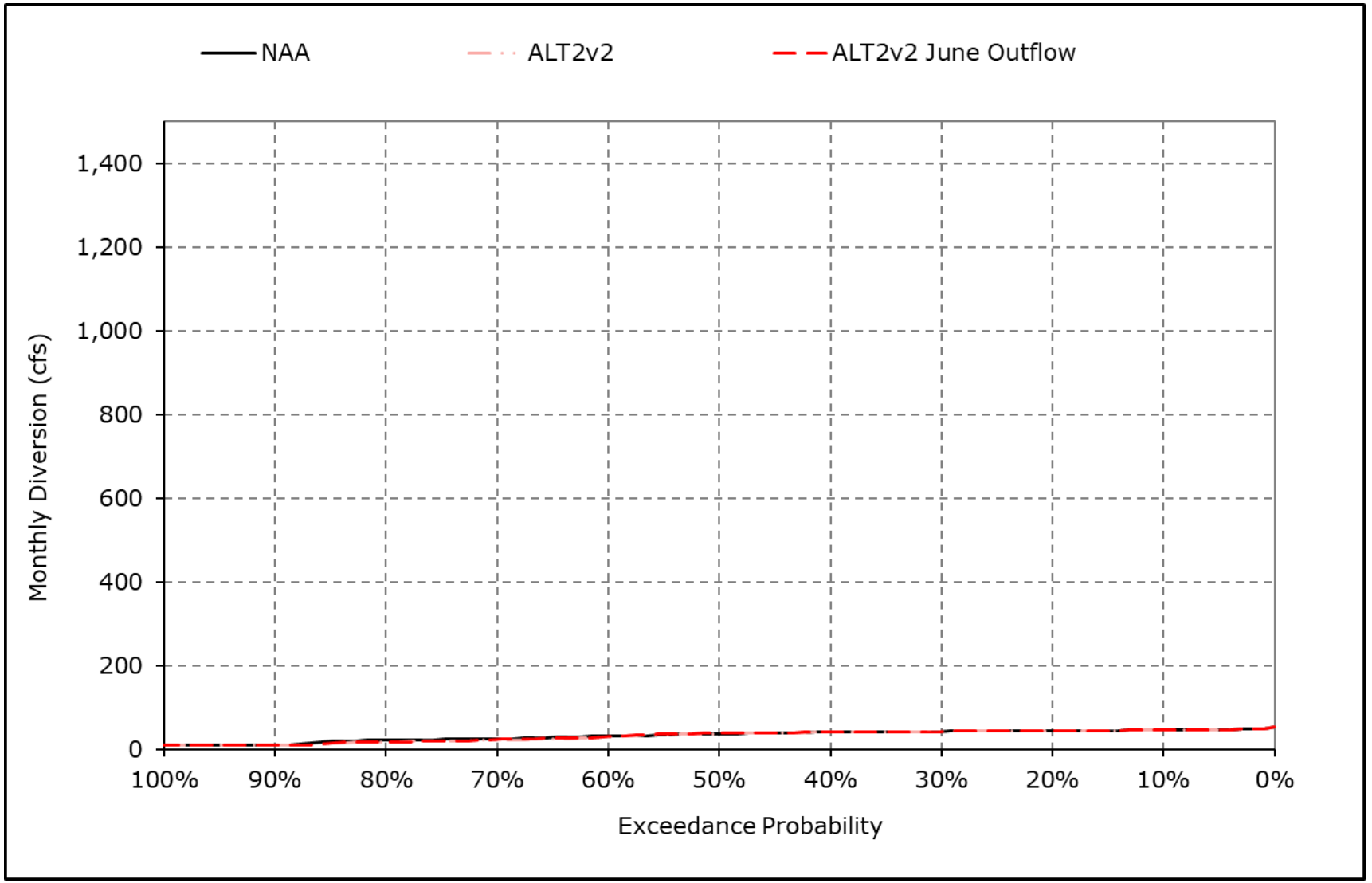
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-6. Red Bluff Diversion–Tehama Colusa Canal, Critical Year Average Diversion



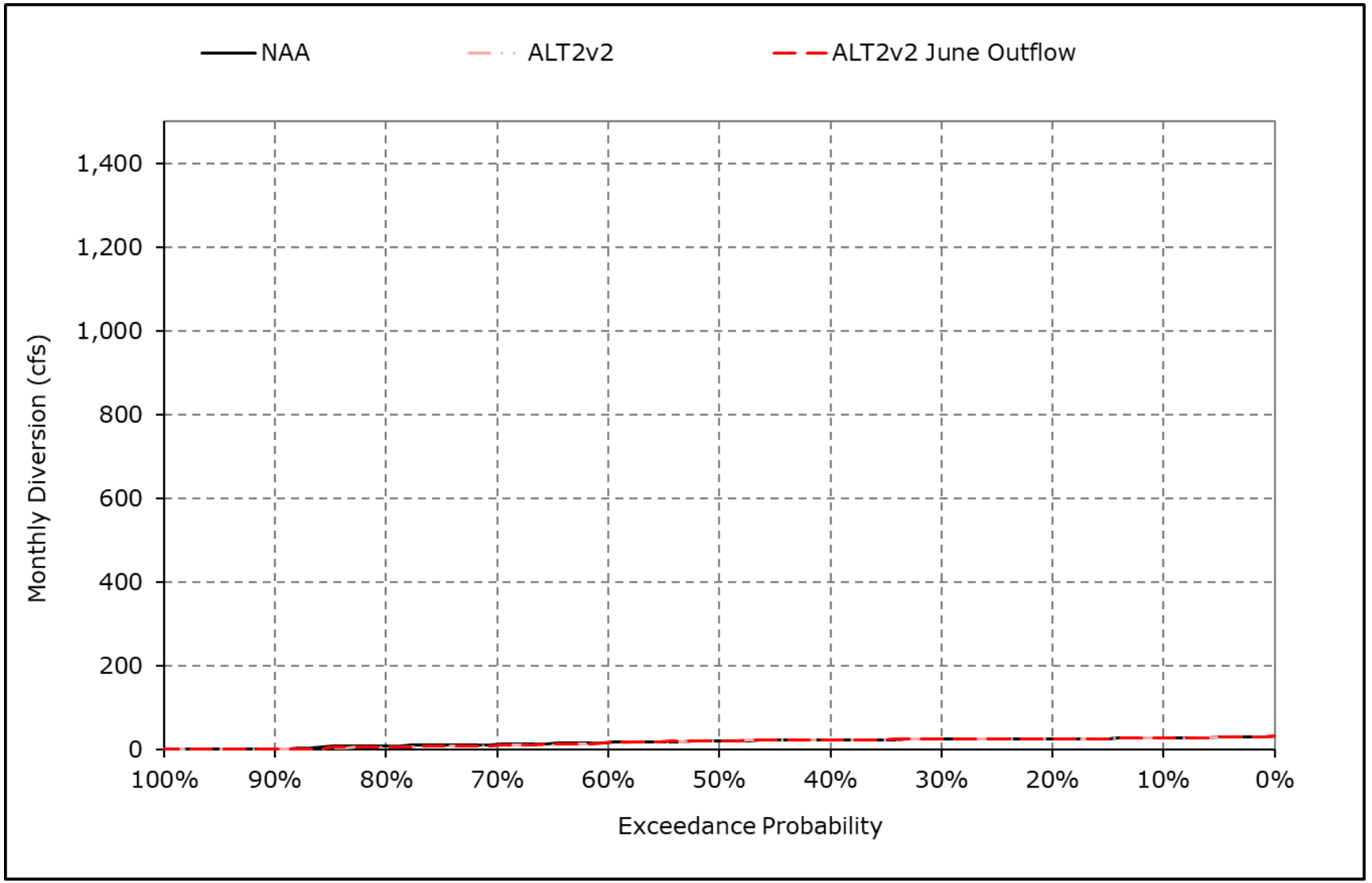
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-7. Red Bluff Diversion–Tehama Colusa Canal, October



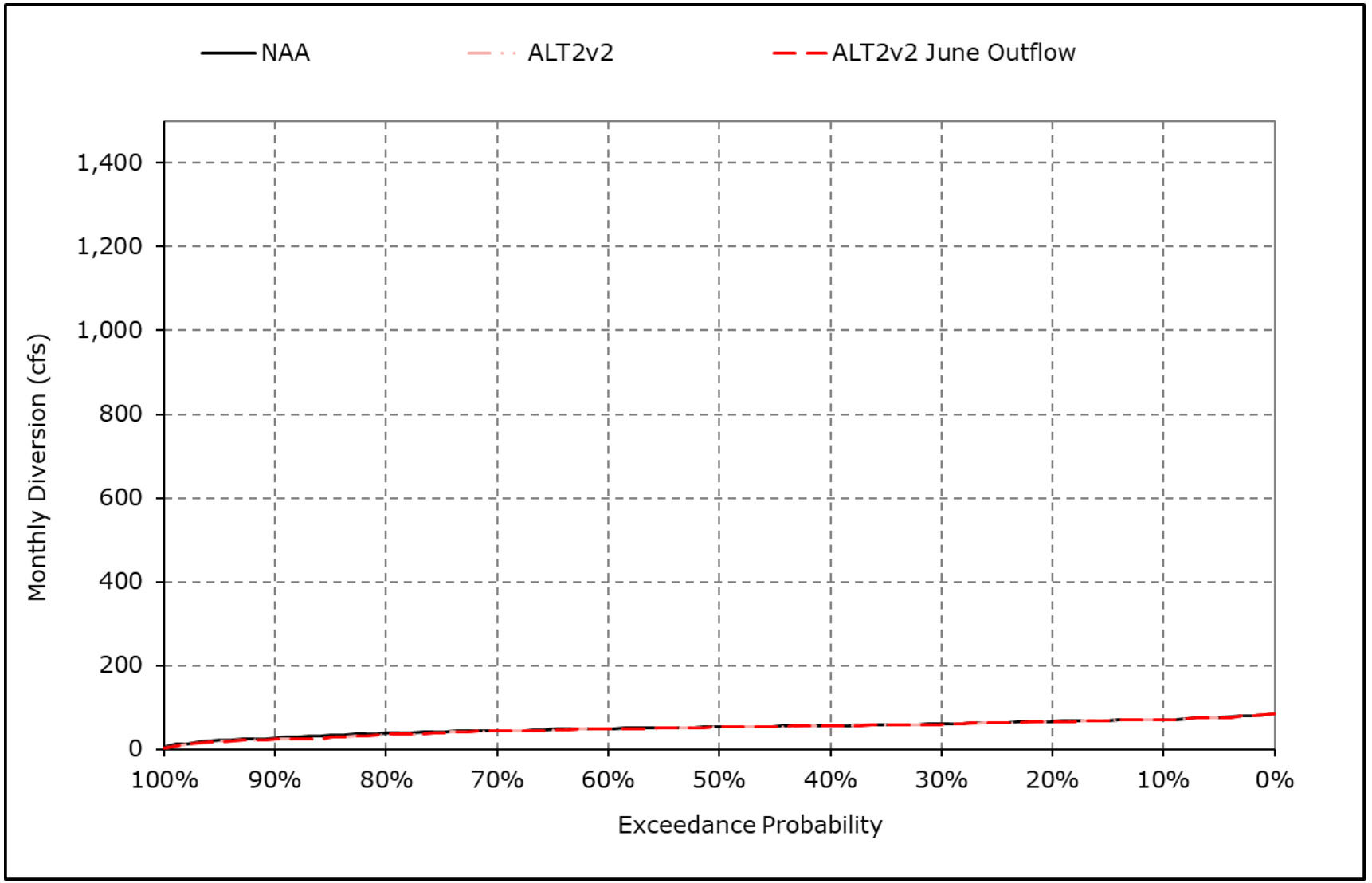
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-8. Red Bluff Diversion–Tehama Colusa Canal, November



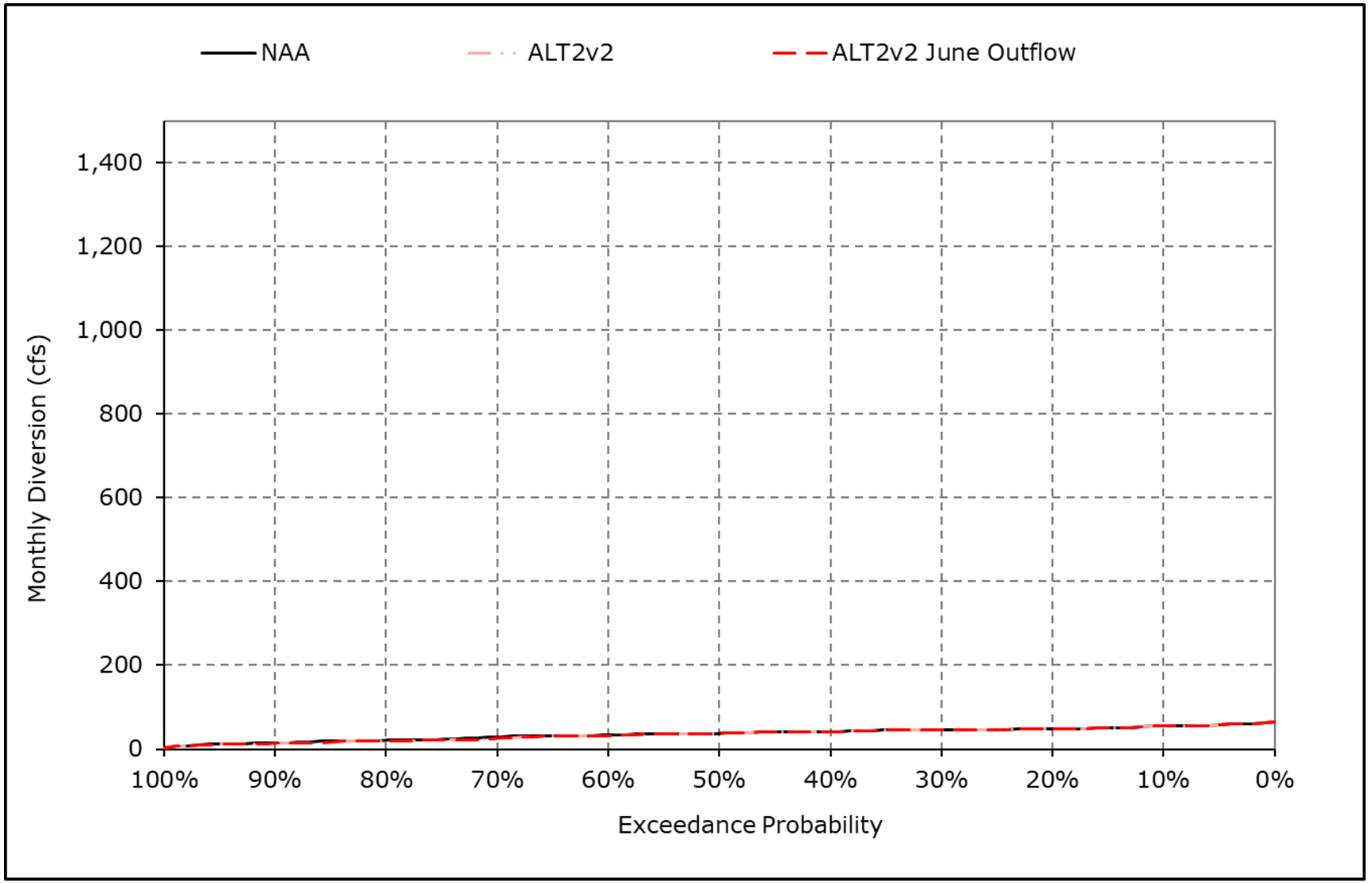
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-9. Red Bluff Diversion–Tehama Colusa Canal, December



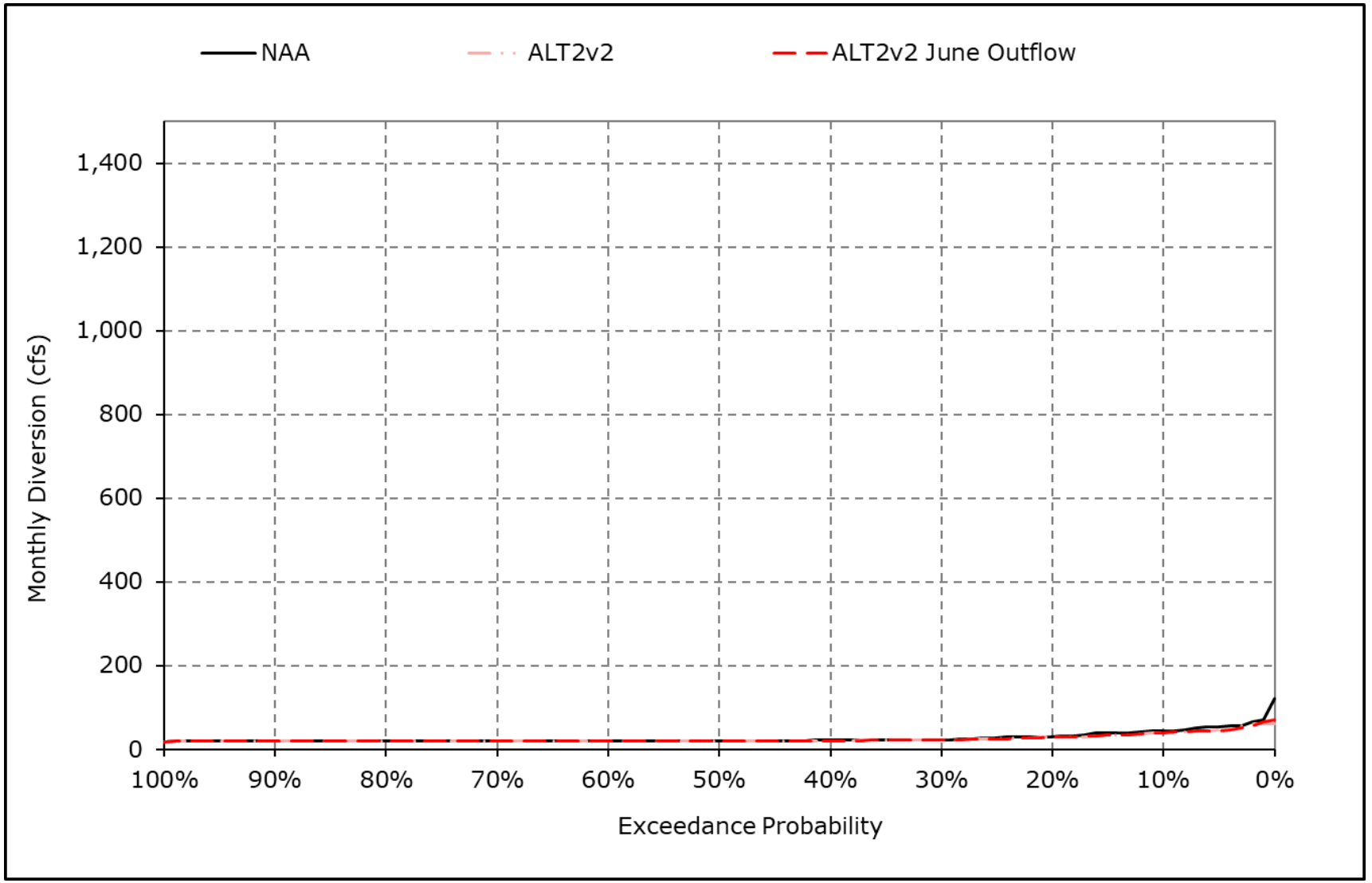
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-10. Red Bluff Diversion–Tehama Colusa Canal, January



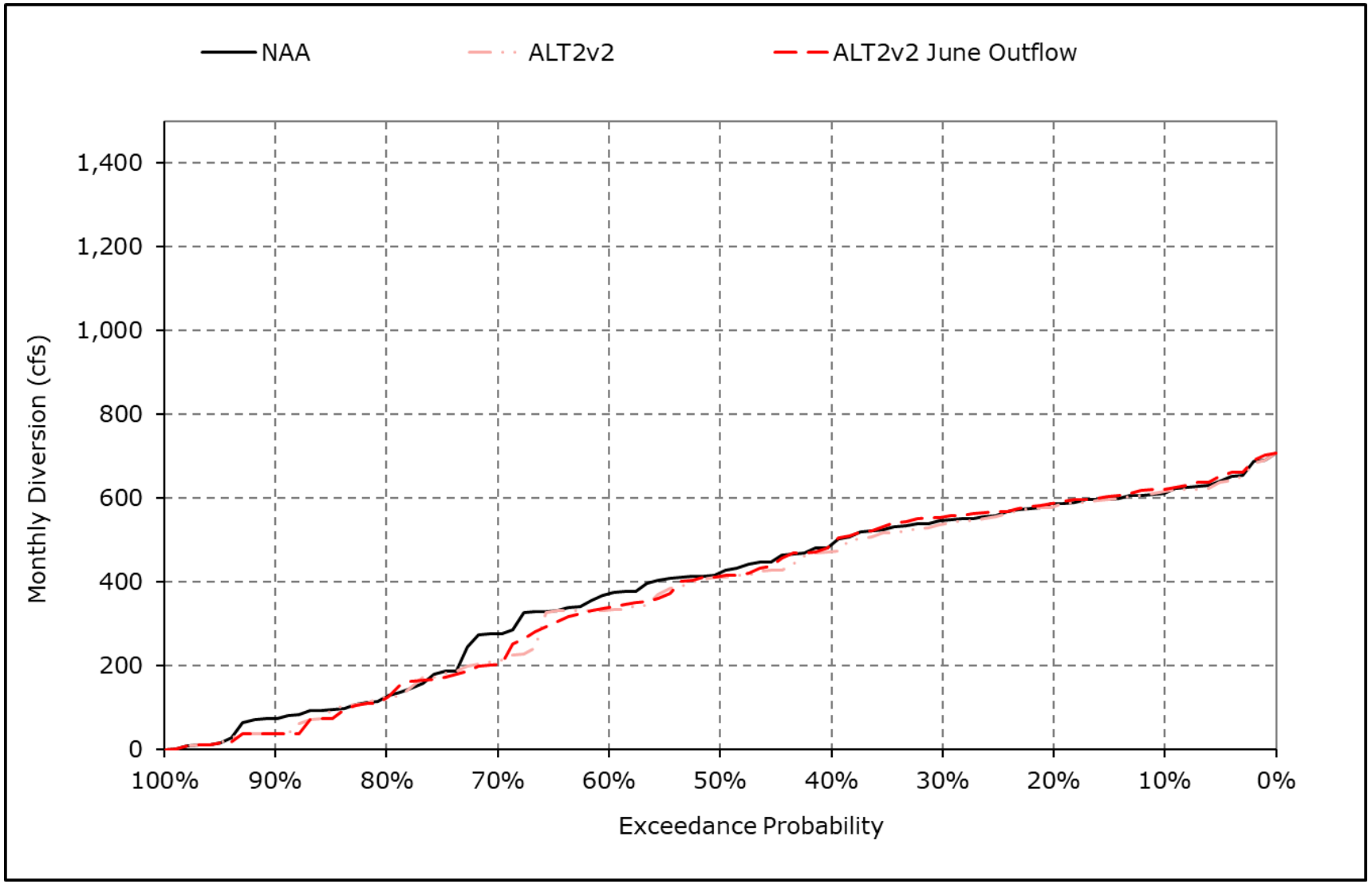
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-11. Red Bluff Diversion–Tehama Colusa Canal, February



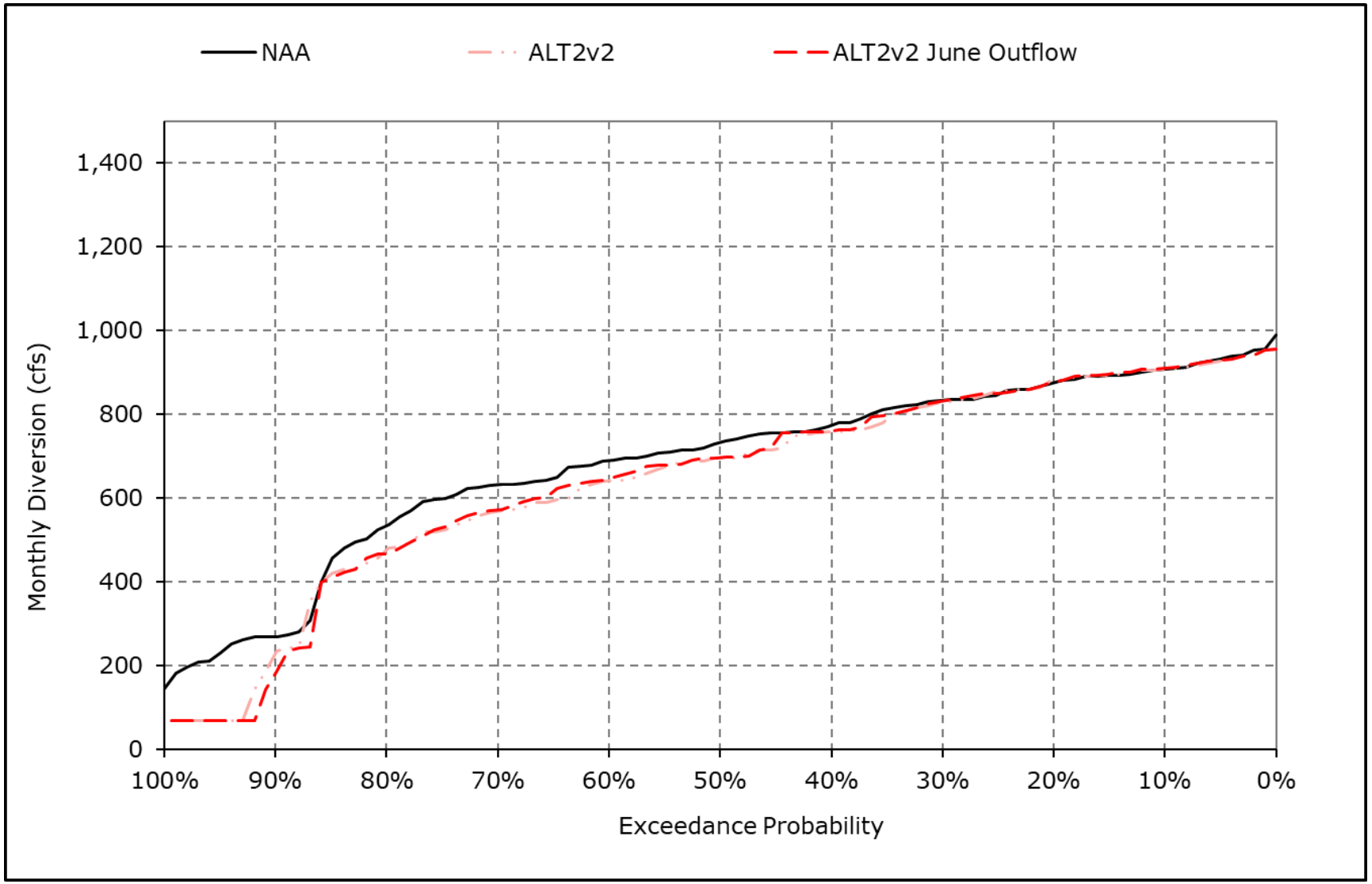
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-12. Red Bluff Diversion–Tehama Colusa Canal, March



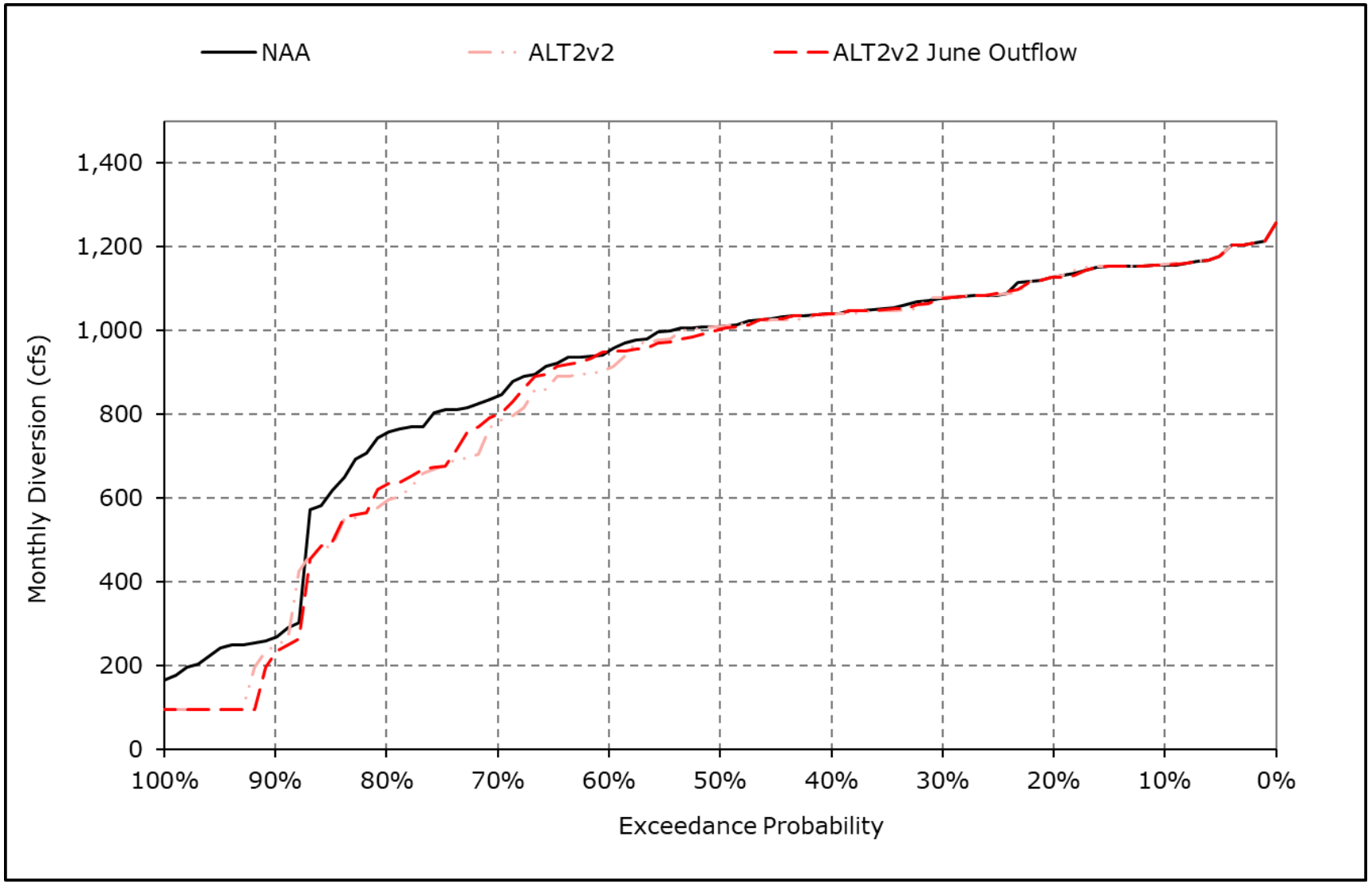
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-13. Red Bluff Diversion–Tehama Colusa Canal, April



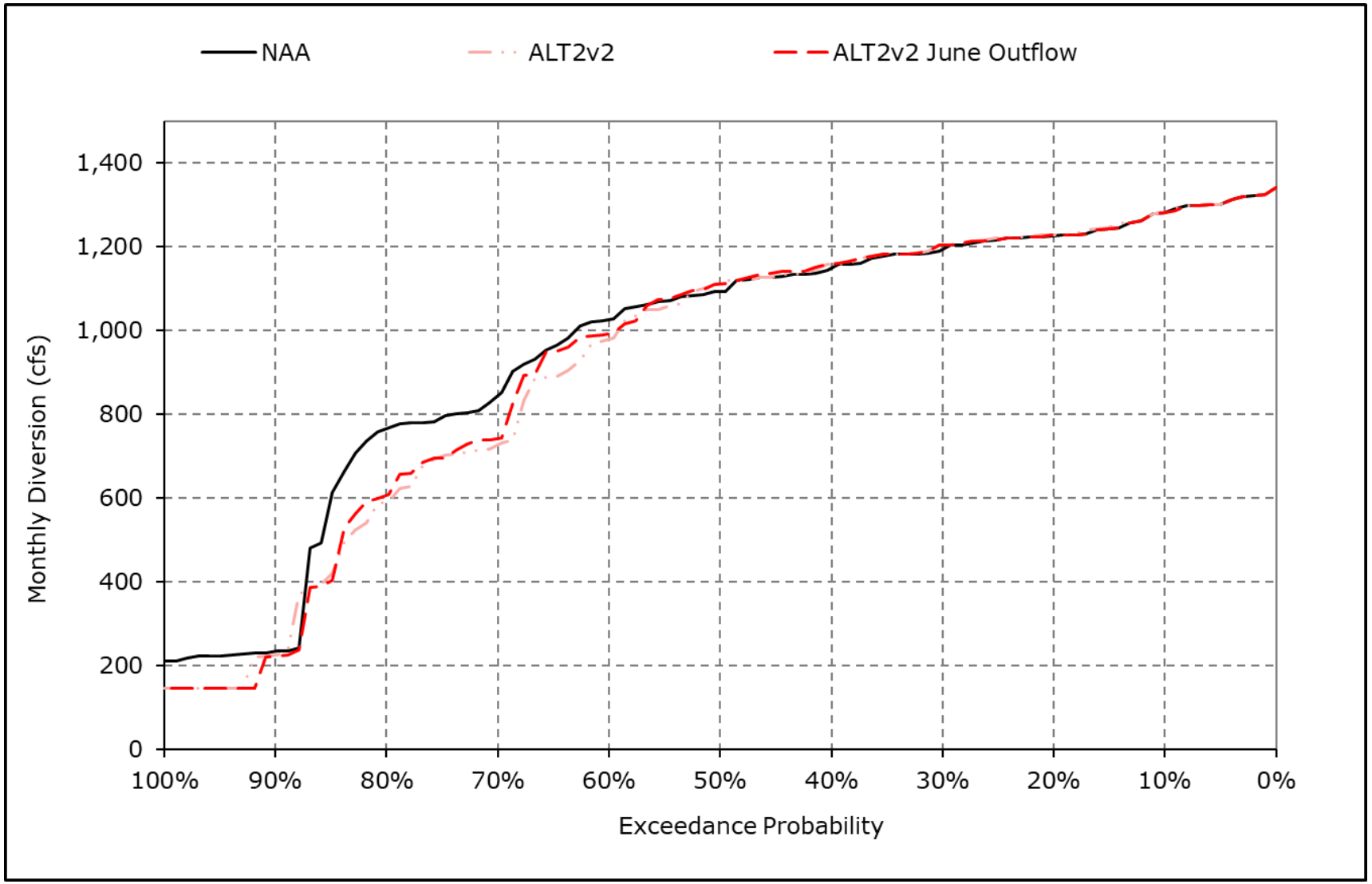
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-14. Red Bluff Diversion–Tehama Colusa Canal, May



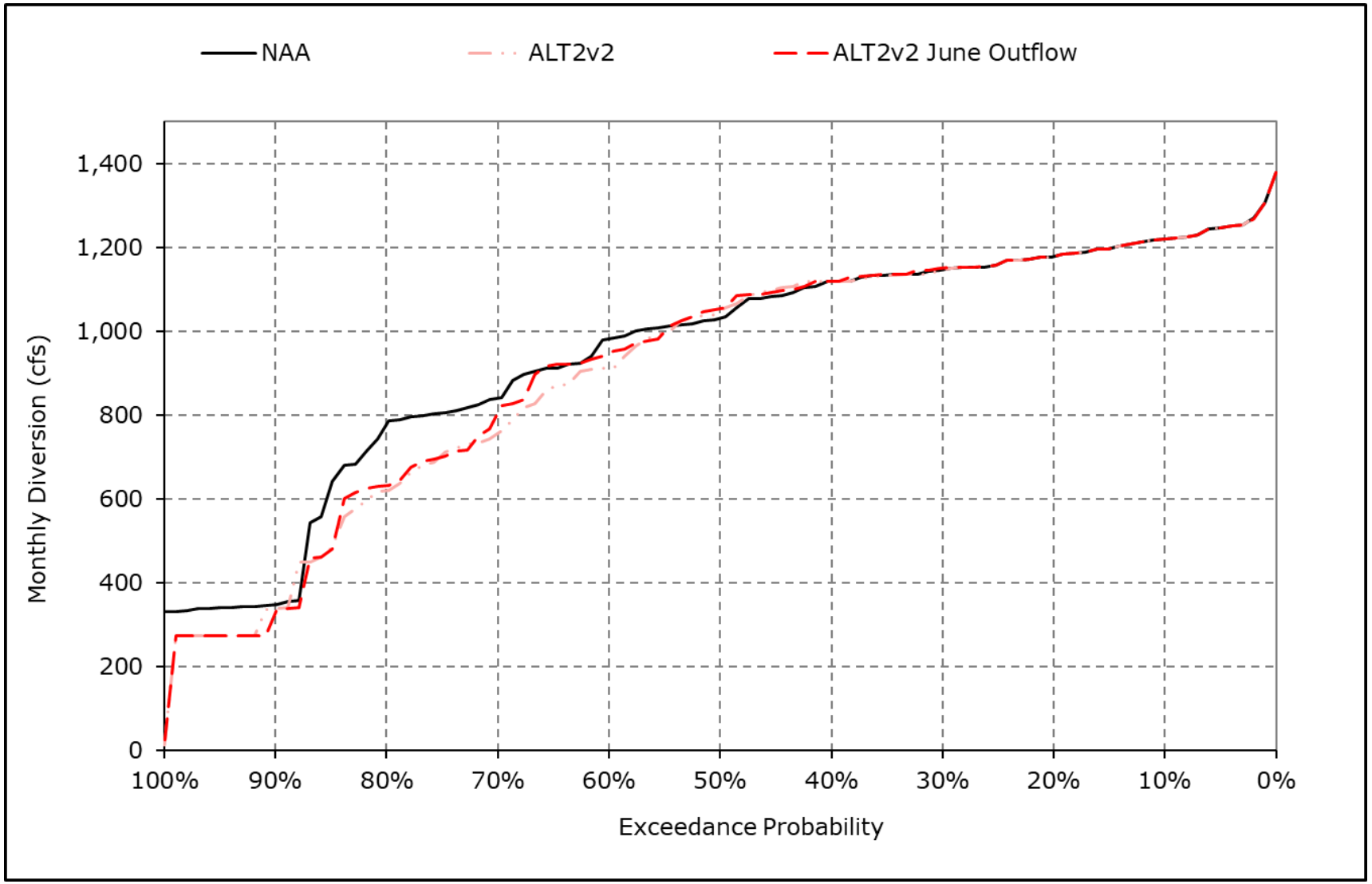
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-15. Red Bluff Diversion–Tehama Colusa Canal, June



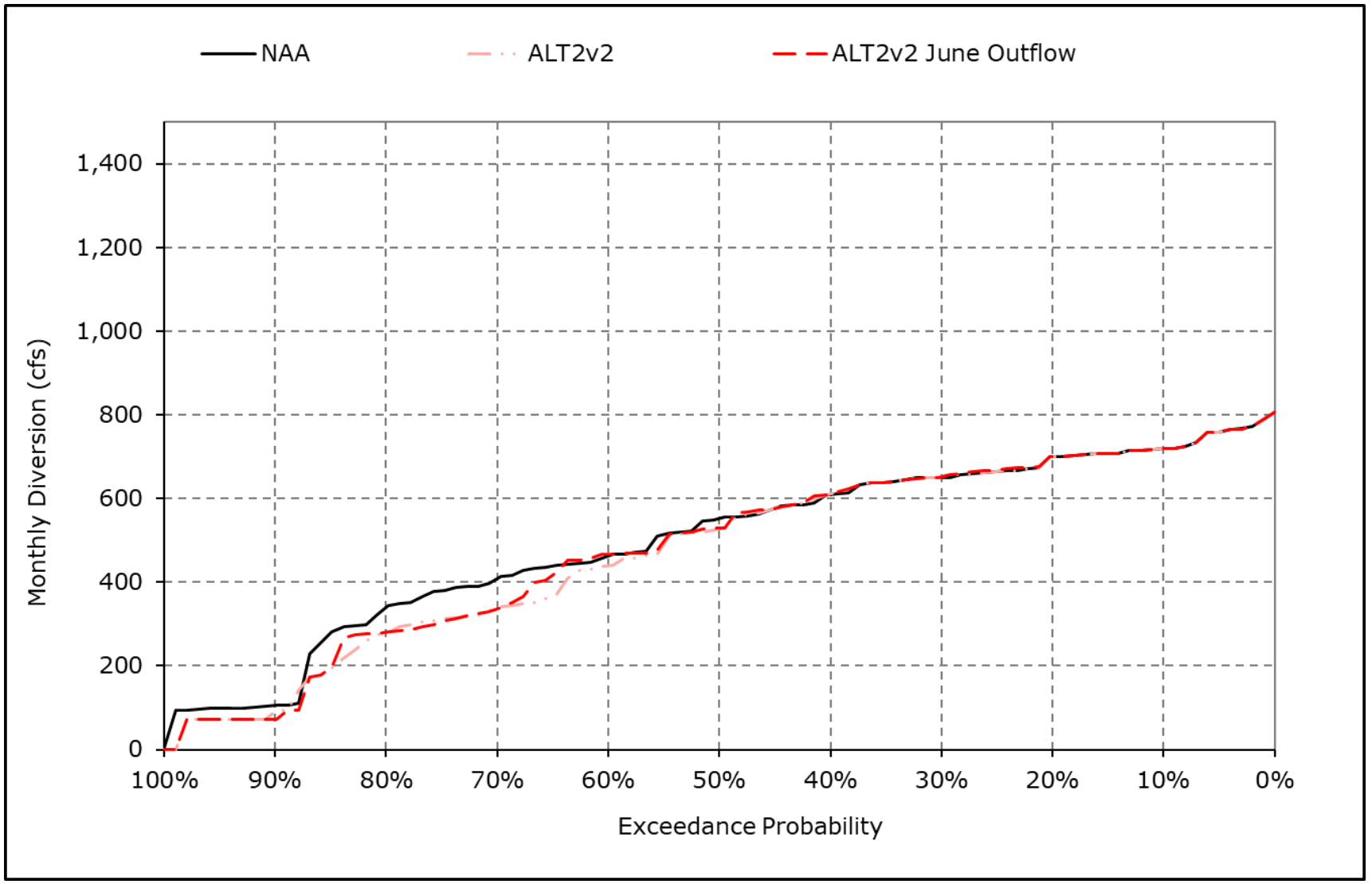
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-16. Red Bluff Diversion–Tehama Colusa Canal, July



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

Figure F.2.3-2-17. Red Bluff Diversion–Tehama Colusa Canal, August



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

Figure F.2.3-2-18. Red Bluff Diversion–Tehama Colusa Canal, September

Table F.2.3-3-1a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-1b. Hamilton City Diversion–Glenn Colusa Canal, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	674	2,656	2,680	3,013	2,154	1,211
20% Exceedance	925	928	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	902	578	0	6	60	616	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	869	565	0	5	53	573	2,518	2,544	2,894	2,093	1,130
50% Exceedance	856	848	548	0	5	40	553	2,469	2,507	2,876	2,066	1,111
60% Exceedance	817	830	531	0	5	35	536	2,426	2,466	2,854	2,050	1,081
70% Exceedance	781	802	520	0	4	32	522	2,343	2,401	2,818	2,023	1,059
80% Exceedance	757	763	489	0	3	27	467	2,260	2,348	2,755	1,975	1,001
90% Exceedance	683	741	464	0	2	22	389	2,077	2,222	2,206	1,560	886
Full Simulation Period Average[a]	829	851	547	0	5	54	550	2,374	2,410	2,729	1,951	1,060
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	858	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	637	809	513	0	5	94	536	1,806	1,801	1,873	1,269	747

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

Table F.2.3-3-1c. Hamilton City Diversion–Glenn Colusa Canal, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	0	0	0	0	-1	0
20% Exceedance	0	-1	0	0	0	0	0	0	0	0	-1	0
30% Exceedance	0	-3	0	0	0	-1	-2	0	0	0	0	0
40% Exceedance	0	-4	0	0	0	0	-1	0	0	0	2	0
50% Exceedance	0	-1	-3	0	0	0	-6	0	0	0	0	0
60% Exceedance	-4	-1	-1	0	0	0	-5	0	0	-1	0	0
70% Exceedance	-14	-1	-3	0	0	0	-6	-3	0	0	0	-5
80% Exceedance	-4	4	-5	0	0	0	-35	-19	0	0	0	-6
90% Exceedance	-35	7	-4	0	-1	0	-48	-137	-12	-42	-3	-65
Full Simulation Period Average[a]	-16	2	-2	0	0	0	-10	-70	-69	-72	-52	-34
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	0	0	0	-1	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-109	14	-12	0	-1	-3	-61	-437	-433	-447	-326	-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.2.3-3-2a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-2b. Hamilton City Diversion–Glenn Colusa Canal, ALT2v2 June Outflow, Monthly Diversion (cfs)

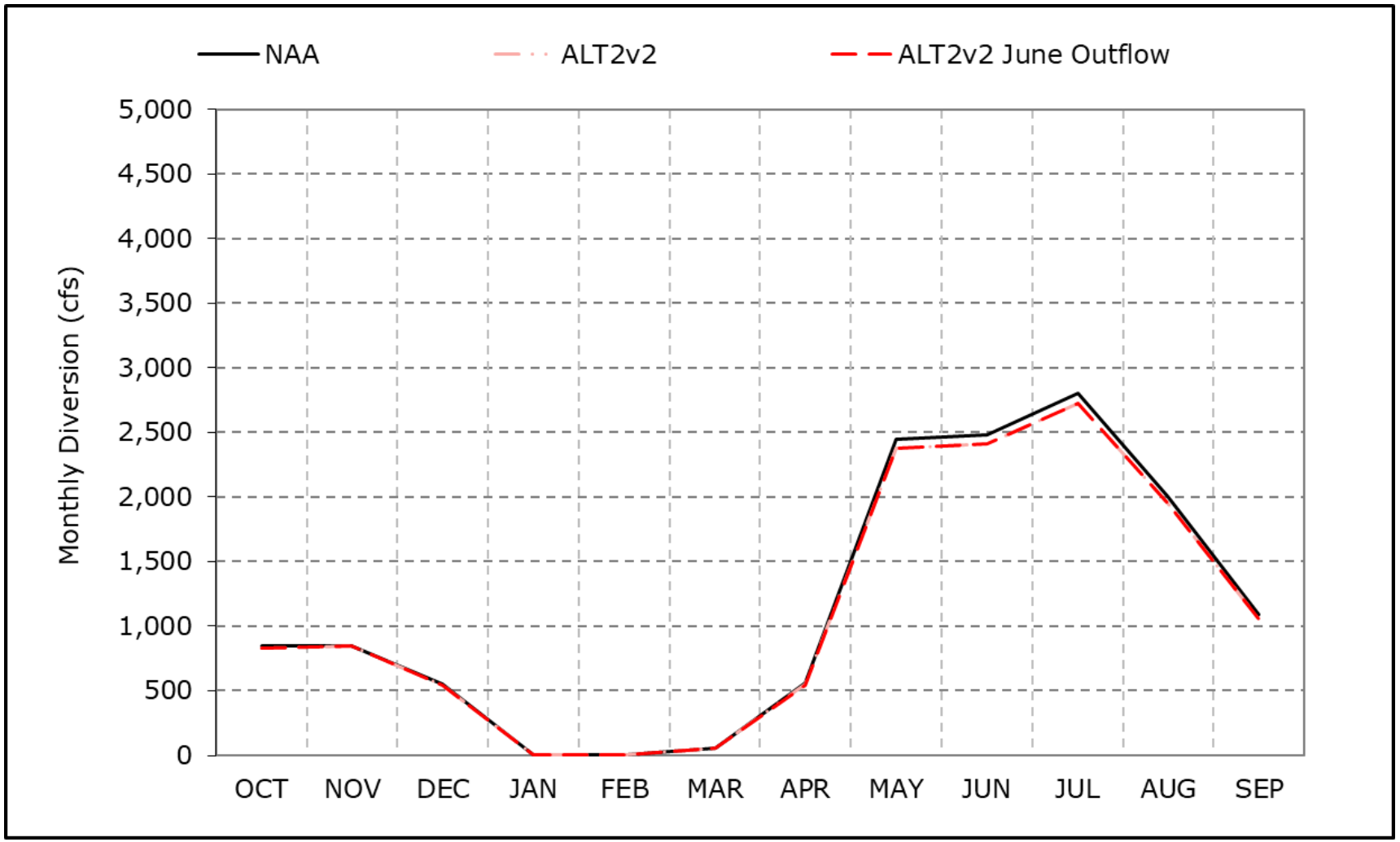
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	668	2,656	2,680	3,013	2,154	1,211
20% Exceedance	925	928	589	0	6	78	629	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	901	578	0	6	60	612	2,559	2,570	2,931	2,110	1,149
40% Exceedance	896	869	565	0	5	53	572	2,518	2,544	2,894	2,093	1,130
50% Exceedance	856	848	548	0	5	40	550	2,469	2,507	2,876	2,066	1,111
60% Exceedance	817	830	531	0	5	35	535	2,426	2,466	2,854	2,050	1,081
70% Exceedance	781	802	520	0	4	32	518	2,343	2,401	2,818	2,023	1,059
80% Exceedance	757	763	489	0	3	27	466	2,260	2,348	2,755	1,975	1,001
90% Exceedance	683	741	464	0	2	22	389	2,076	2,196	2,206	1,560	875
Full Simulation Period Average[a]	829	851	547	0	5	54	547	2,374	2,410	2,729	1,951	1,060
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	637	809	513	0	5	93	518	1,806	1,799	1,871	1,268	746

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

Table F.2.3-3-2c. Hamilton City Diversion–Glenn Colusa Canal, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

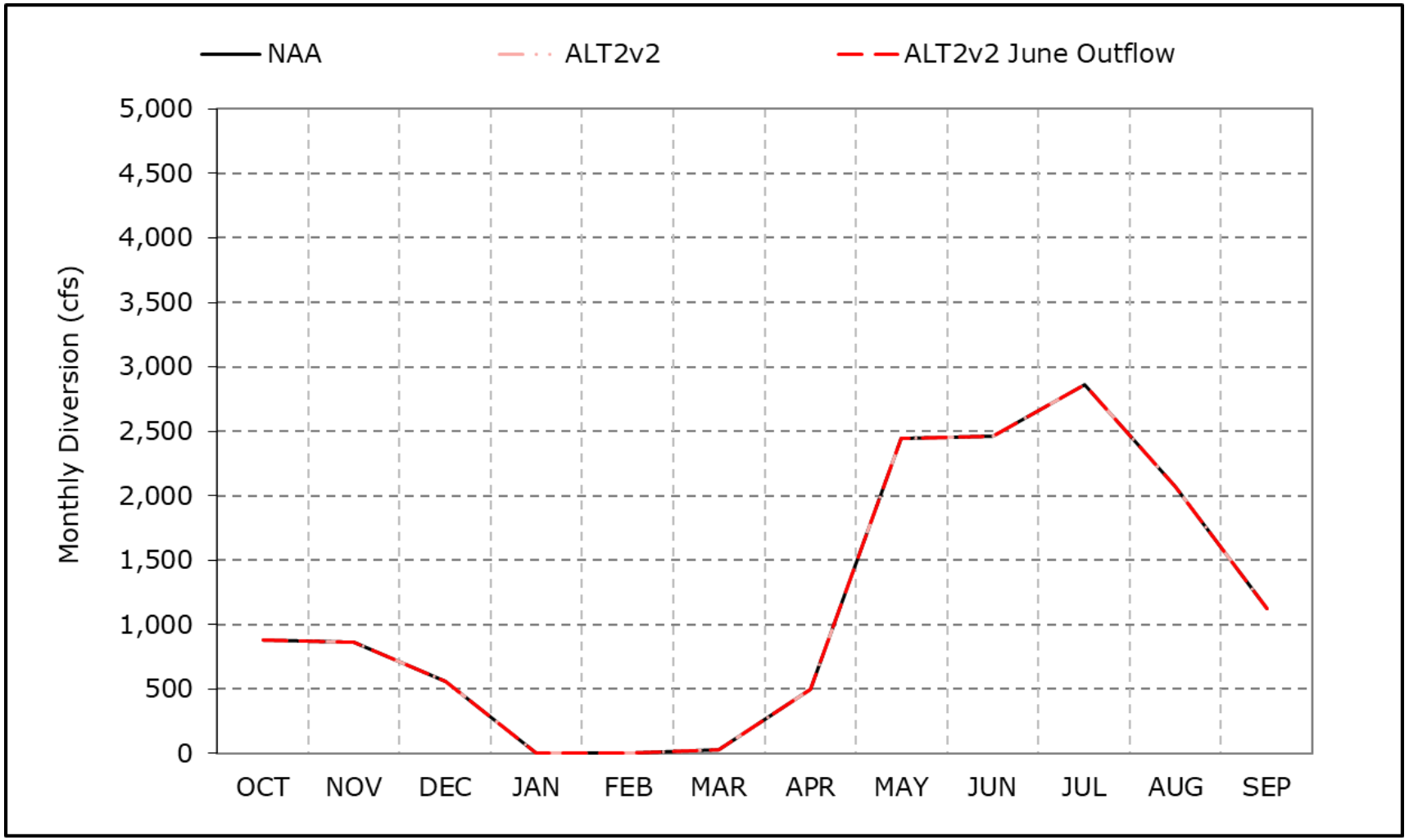
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	-6	0	0	0	-1	0
20% Exceedance	0	-1	0	0	0	0	-4	0	0	0	-1	0
30% Exceedance	0	-3	0	0	0	-1	-5	0	0	0	0	-1
40% Exceedance	0	-4	0	0	0	0	-2	0	0	0	2	0
50% Exceedance	0	-1	-3	0	0	0	-8	0	0	0	0	0
60% Exceedance	-4	-1	-1	0	0	0	-5	0	0	-1	0	0
70% Exceedance	-14	-1	-3	0	0	0	-11	-3	0	0	0	-5
80% Exceedance	-4	4	-5	0	0	0	-36	-19	0	0	0	-6
90% Exceedance	-35	7	-4	0	-1	0	-48	-138	-37	-42	-3	-76
Full Simulation Period Average[a]	-16	2	-2	0	0	-1	-13	-70	-70	-72	-52	-34
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	0	0	0	-1	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-109	14	-12	0	-1	-4	-78	-438	-435	-448	-328	-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.



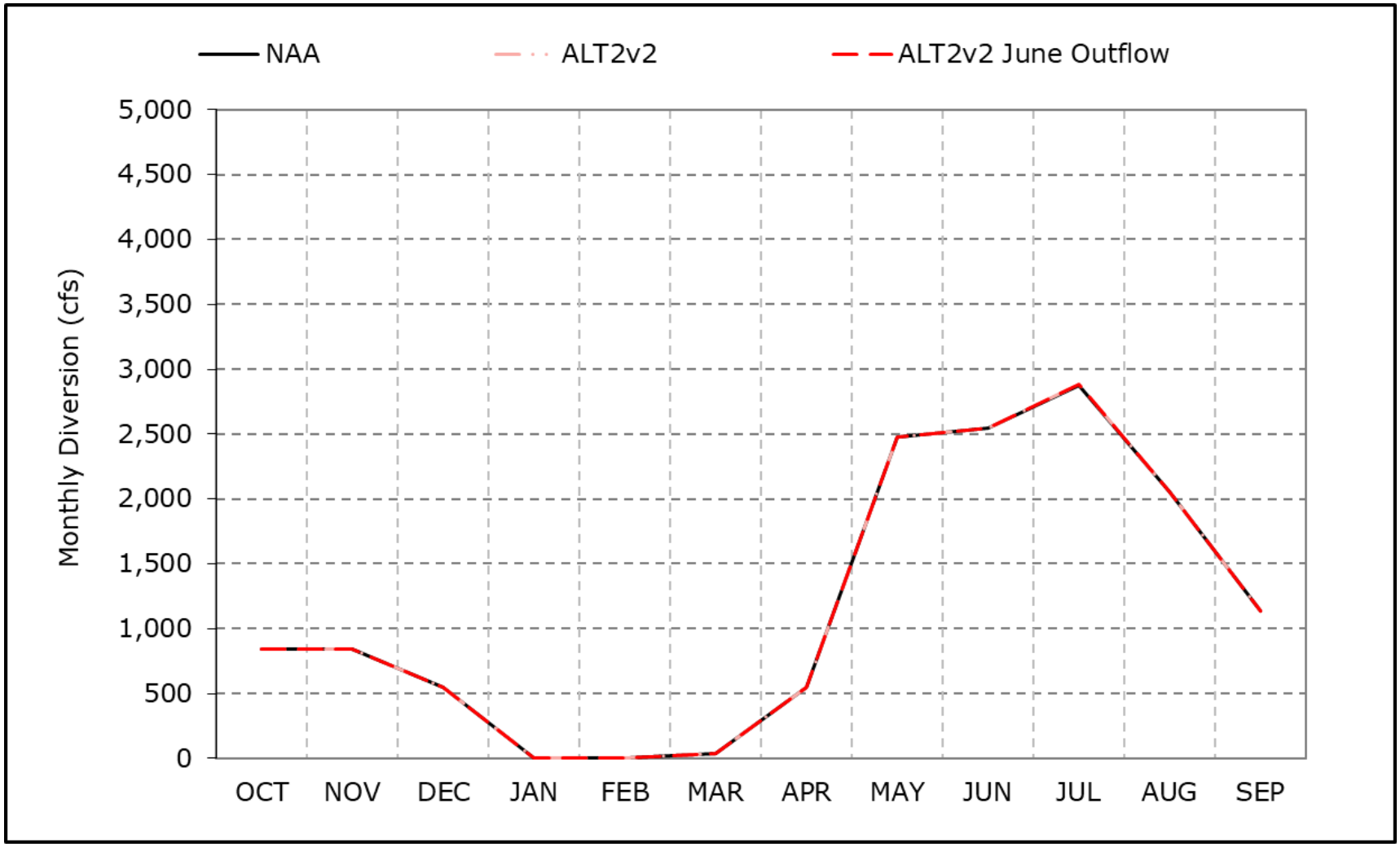
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-1. Hamilton City Diversion–Glenn Colusa Canal, Long-Term Average Diversion



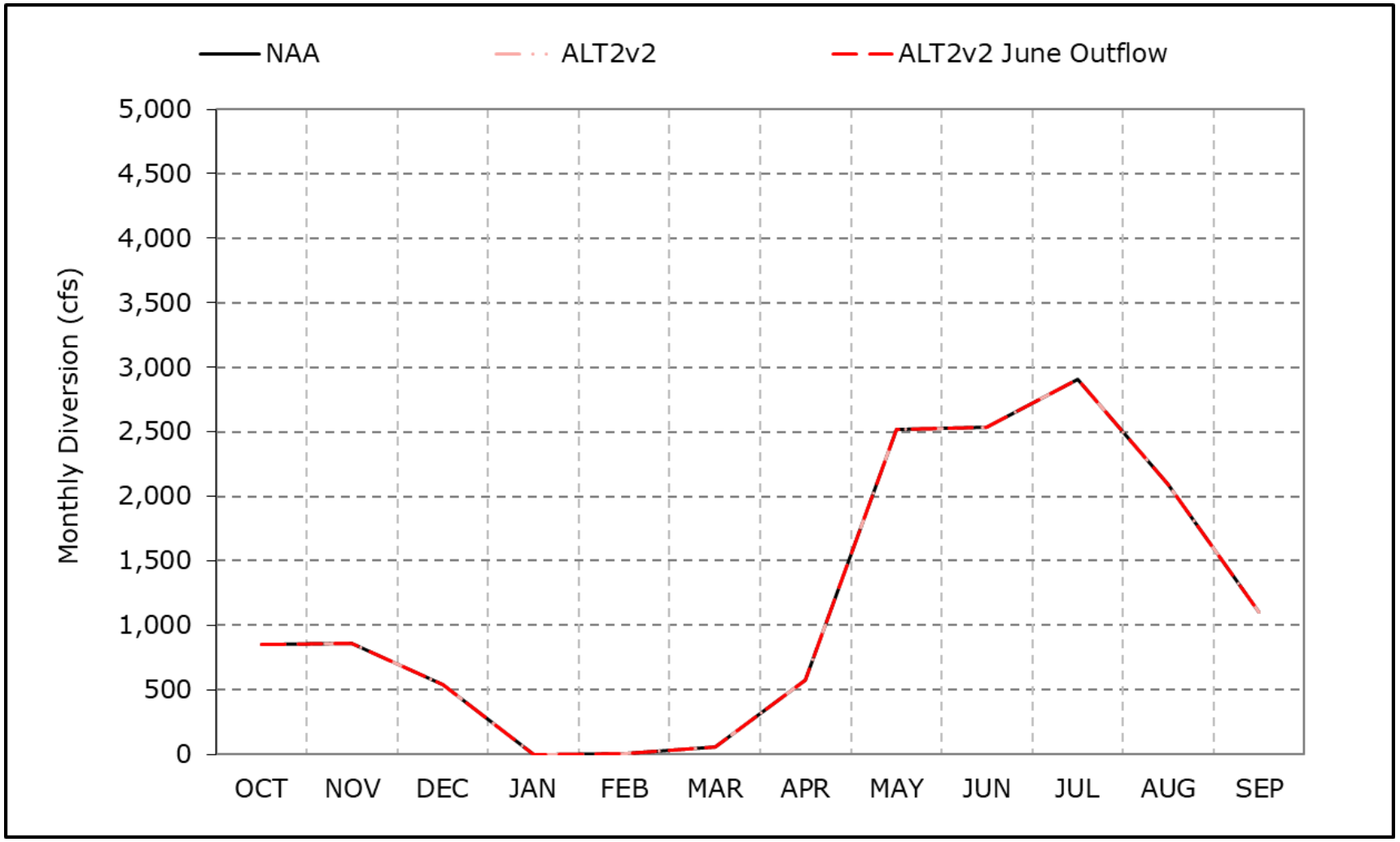
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-2. Hamilton City Diversion–Glenn Colusa Canal, Wet Year Average Diversion



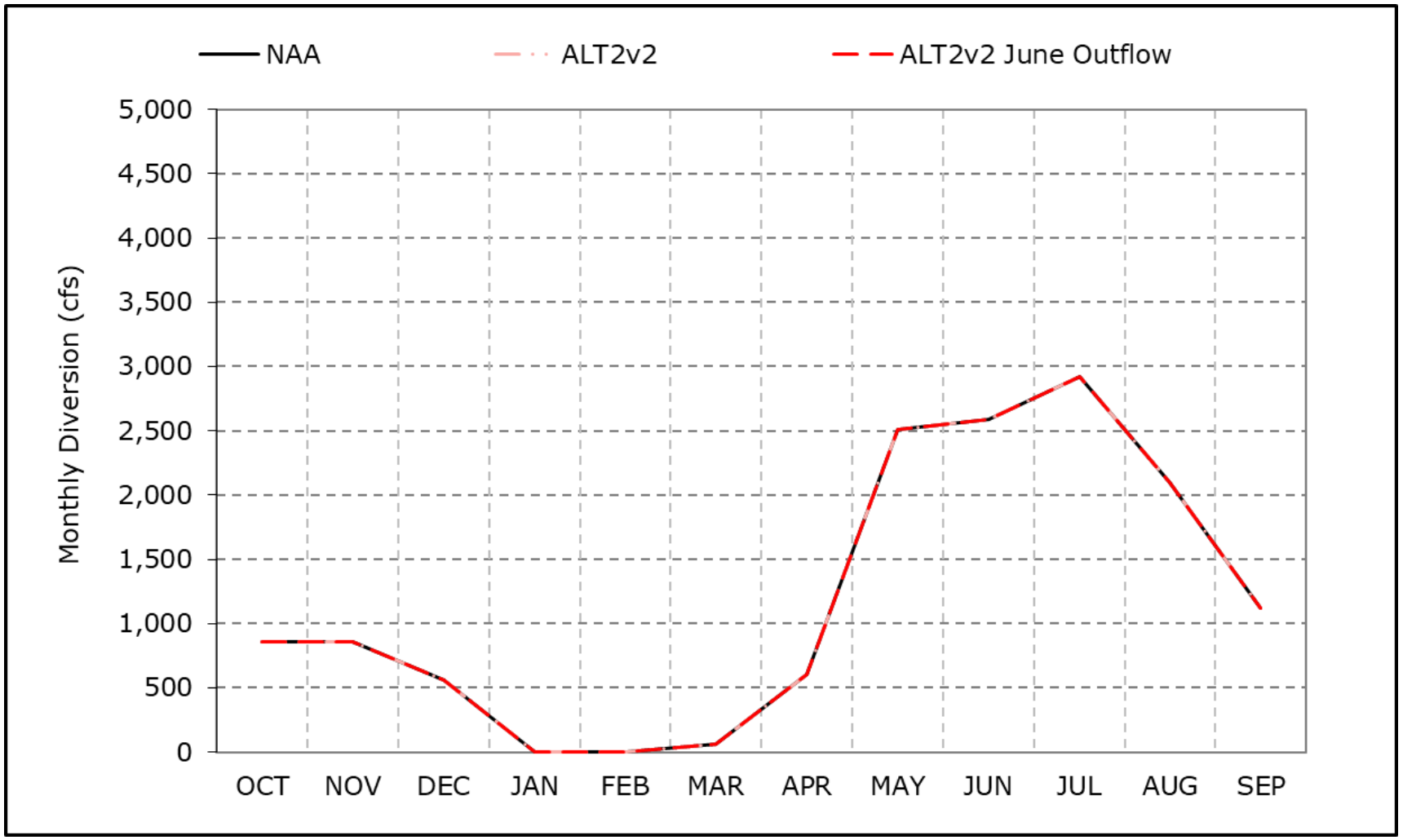
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-3. Hamilton City Diversion–Glenn Colusa Canal, Above Normal Year Average Diversion



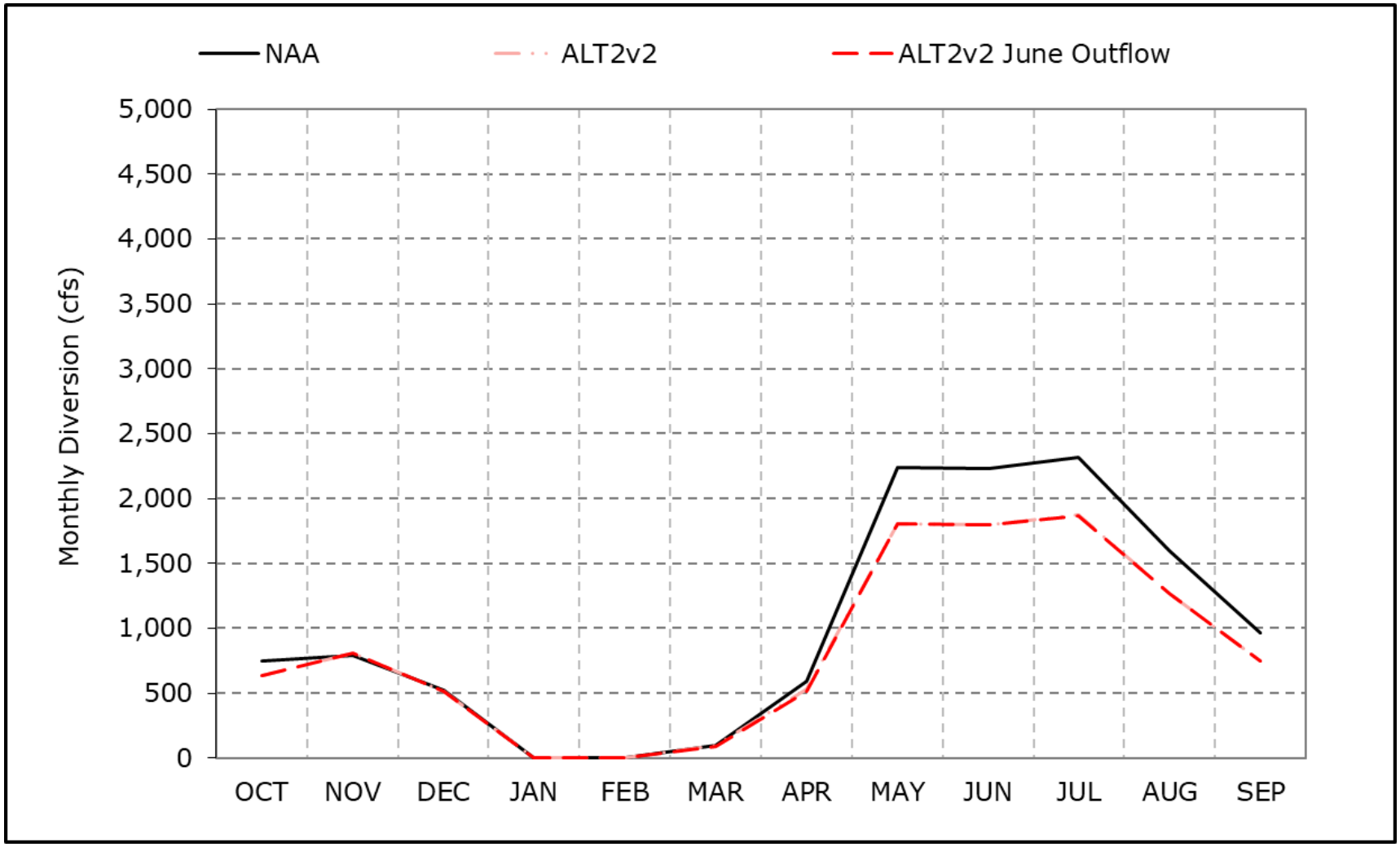
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-4. Hamilton City Diversion–Glenn Colusa Canal, Below Normal Year Average Diversion



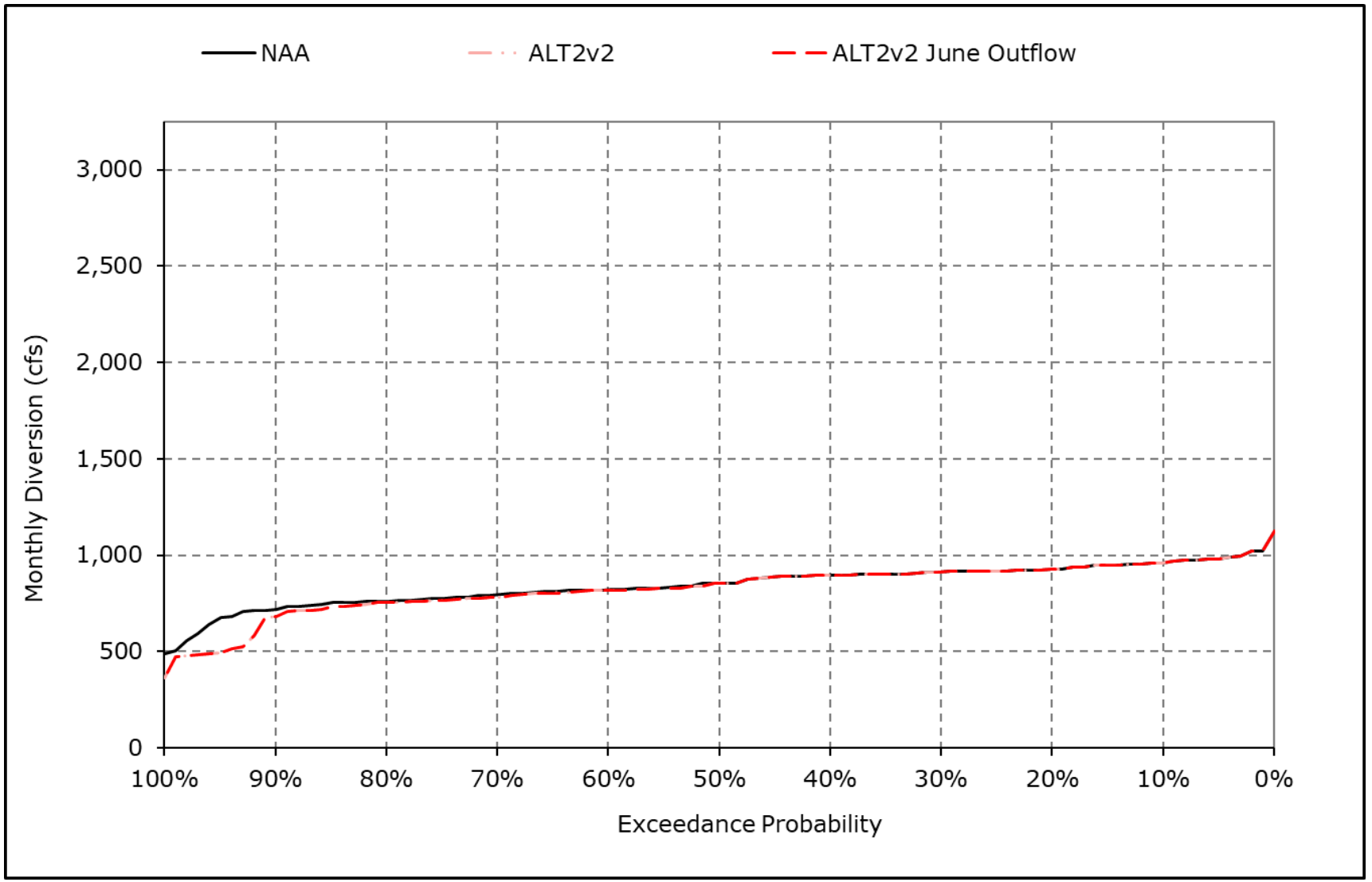
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-5. Hamilton City Diversion–Glenn Colusa Canal, Dry Year Average Diversion



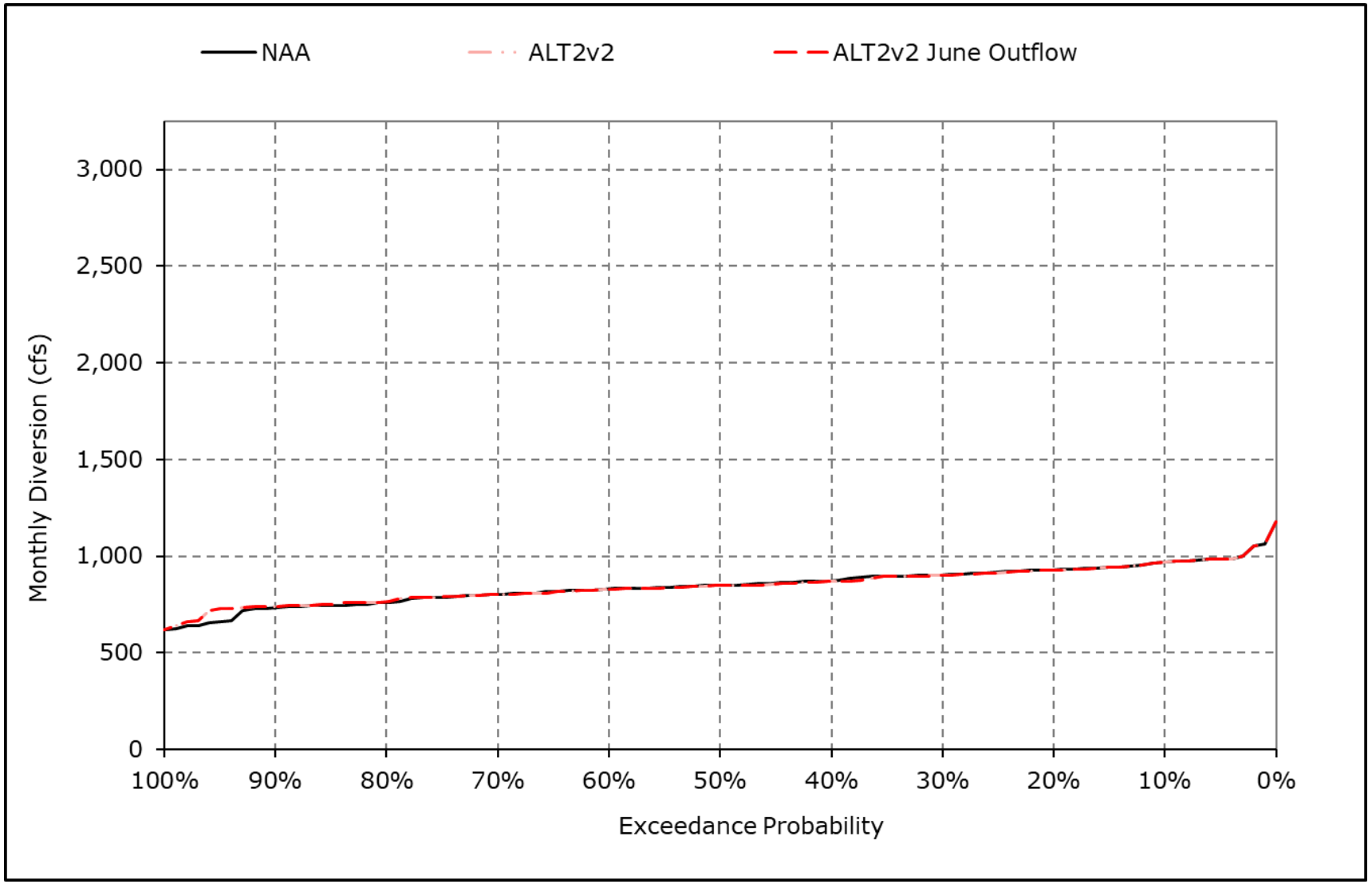
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-6. Hamilton City Diversion–Glenn Colusa Canal, Critical Year Average Diversion



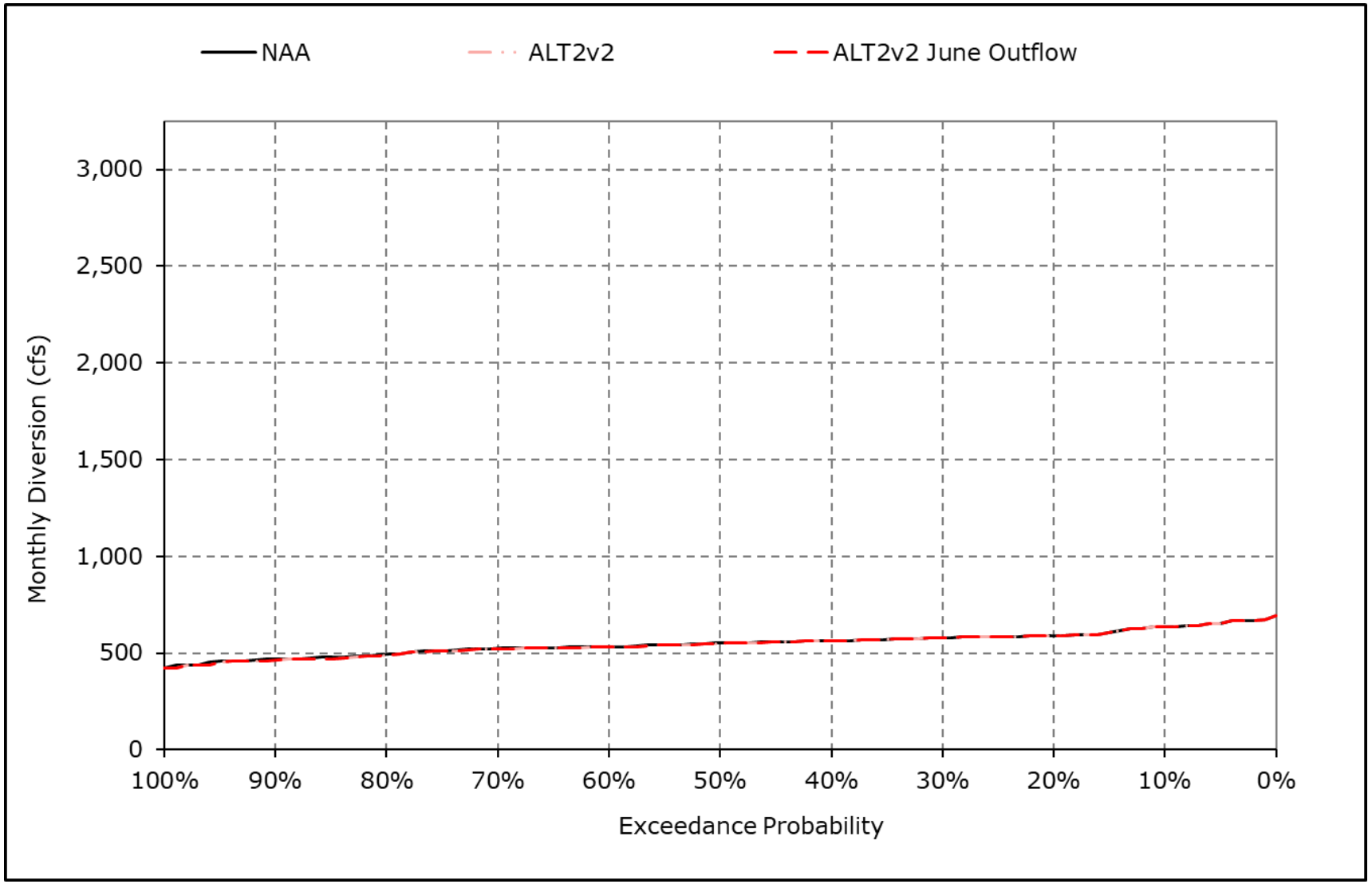
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-7. Hamilton City Diversion–Glenn Colusa Canal, October



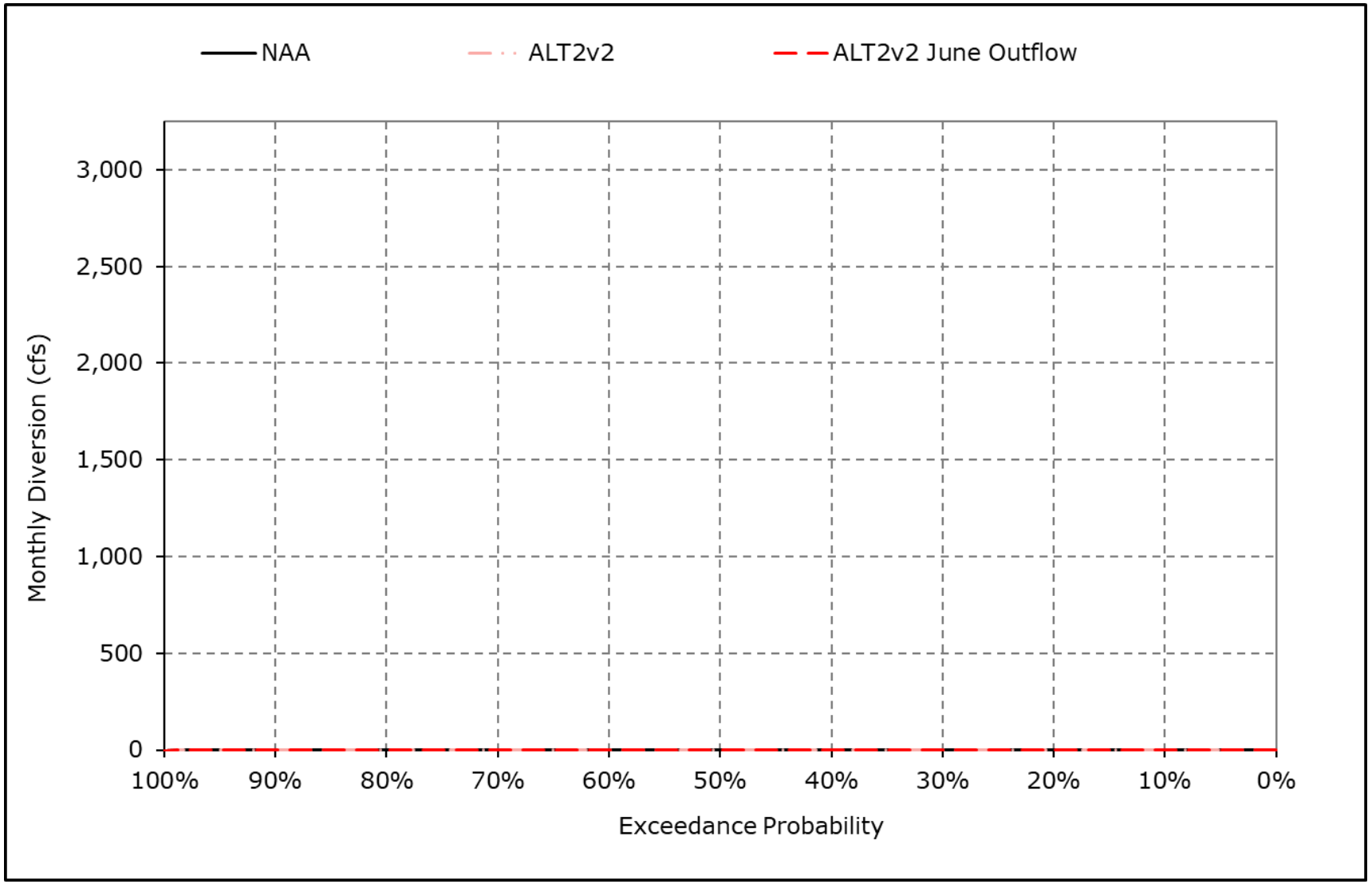
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-8. Hamilton City Diversion–Glenn Colusa Canal, November



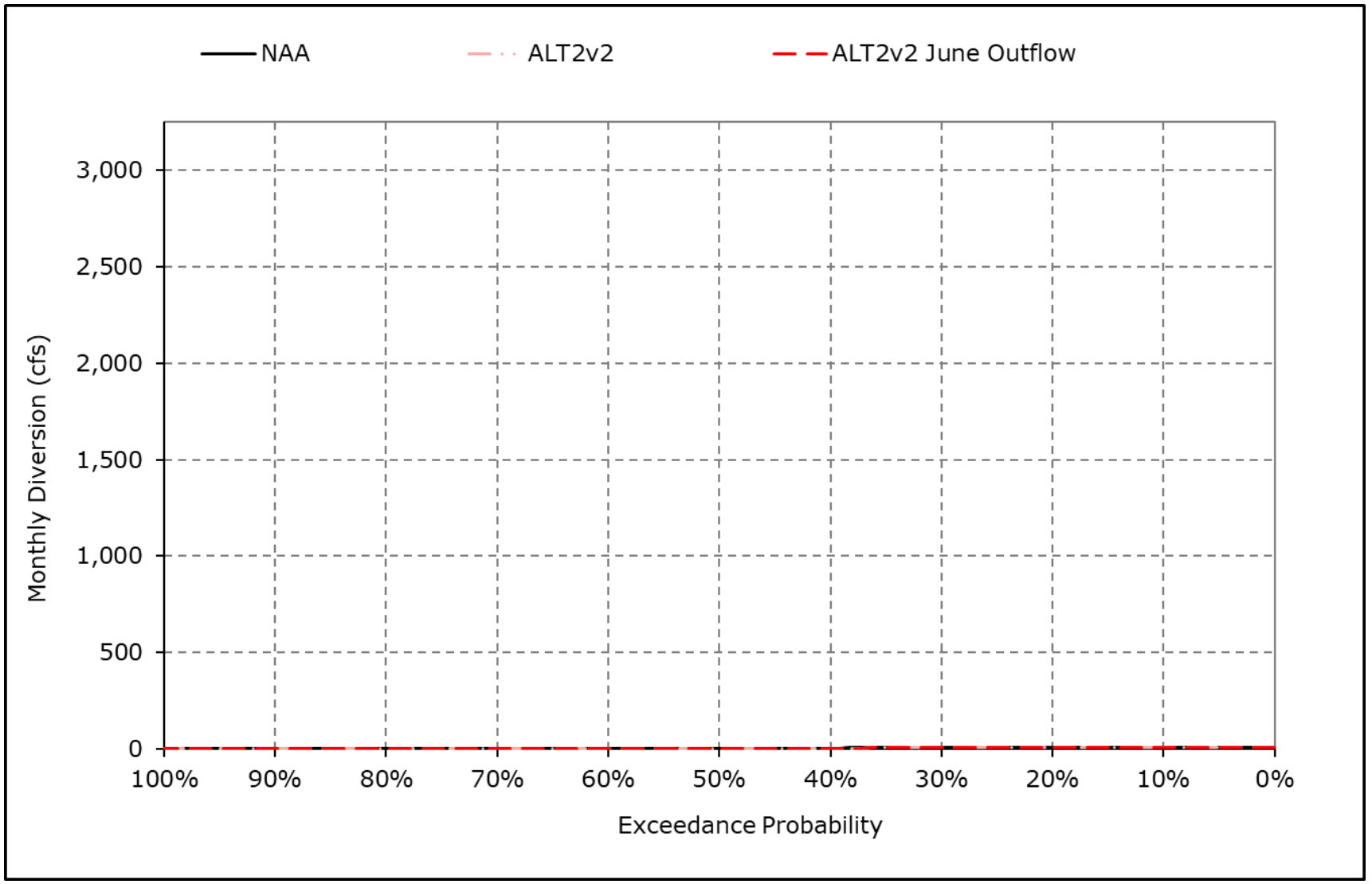
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-9. Hamilton City Diversion–Glenn Colusa Canal, December



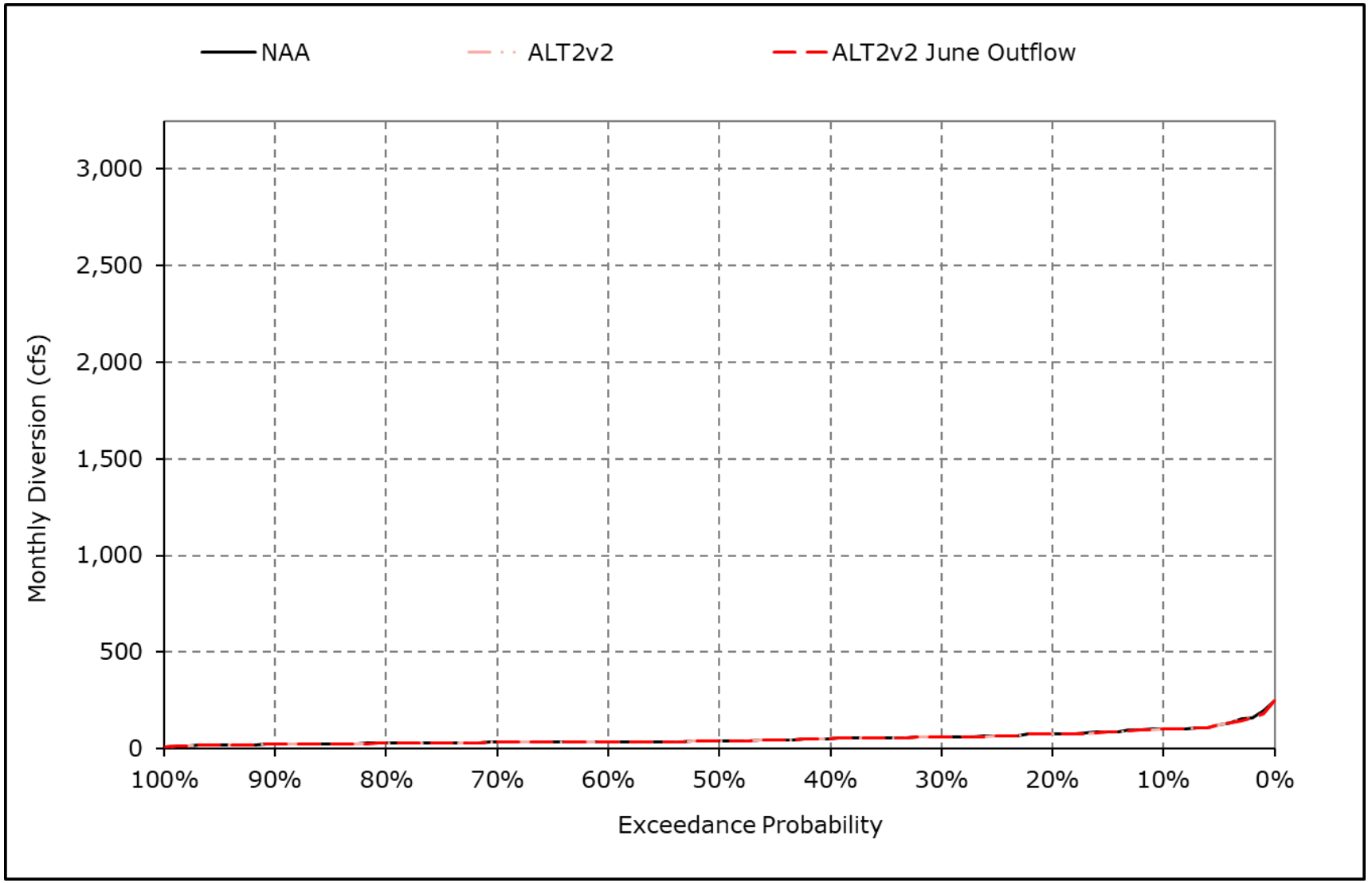
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-10. Hamilton City Diversion–Glenn Colusa Canal, January



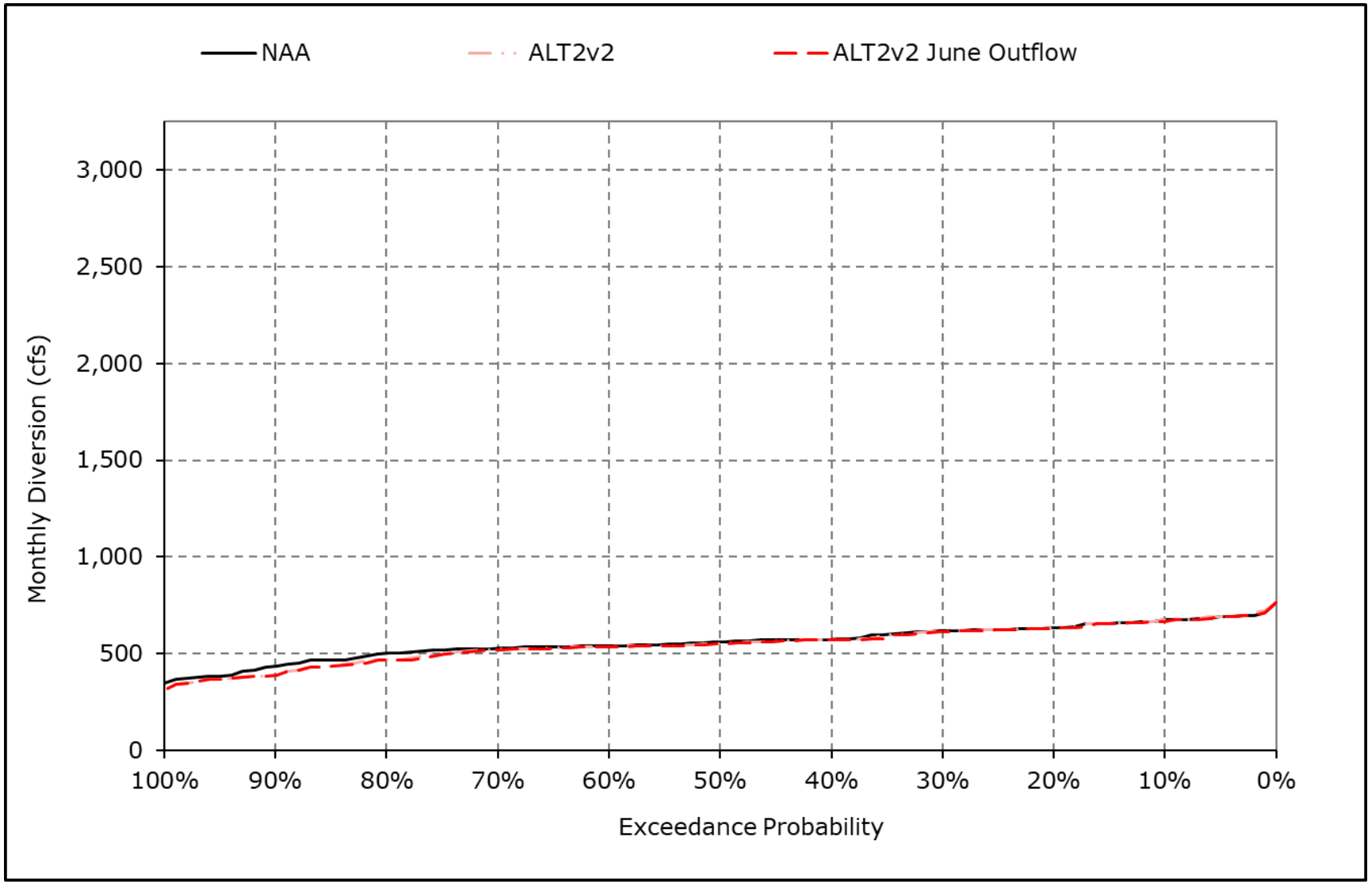
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-11. Hamilton City Diversion–Glenn Colusa Canal, February



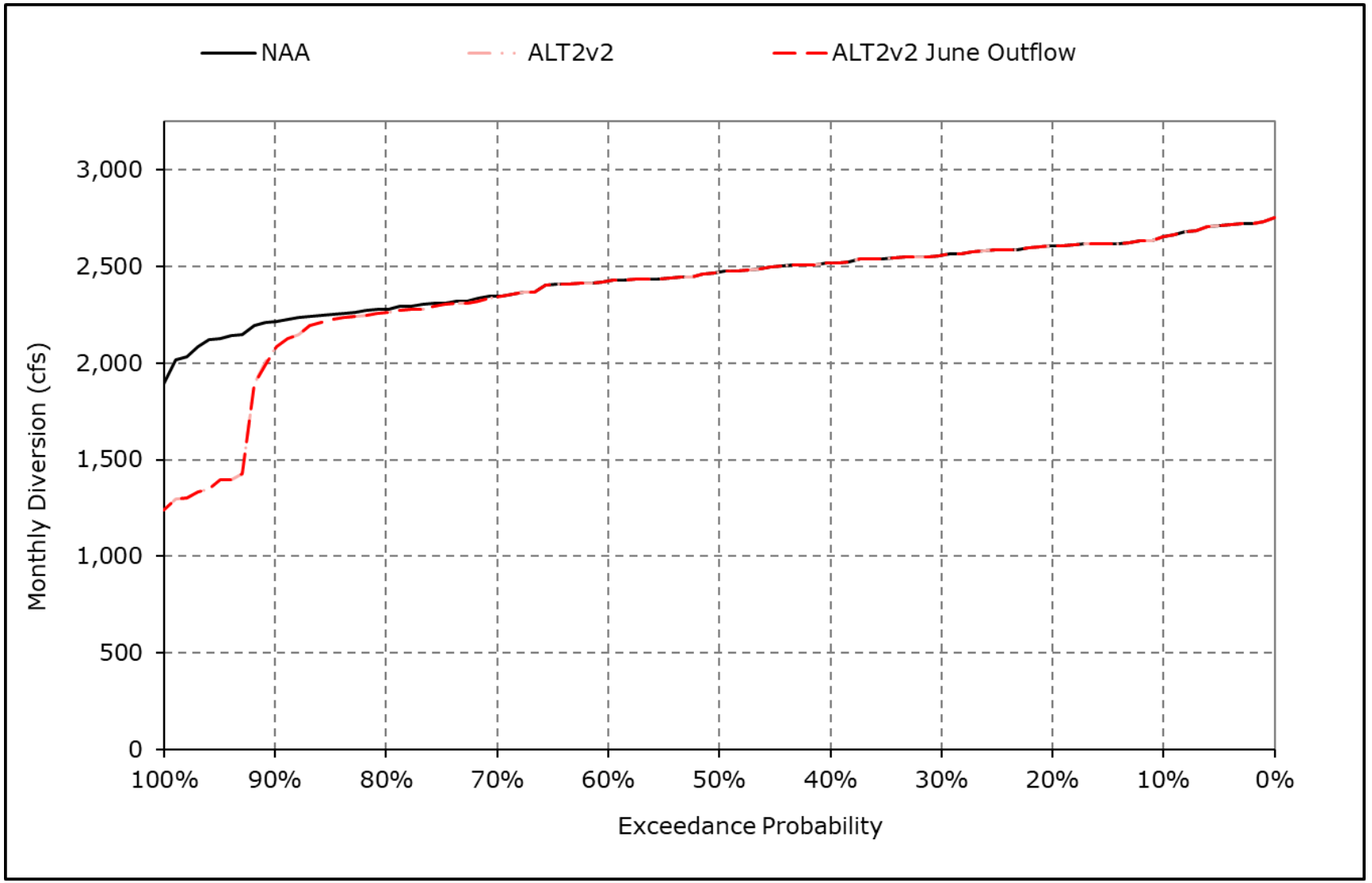
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-12. Hamilton City Diversion–Glenn Colusa Canal, March



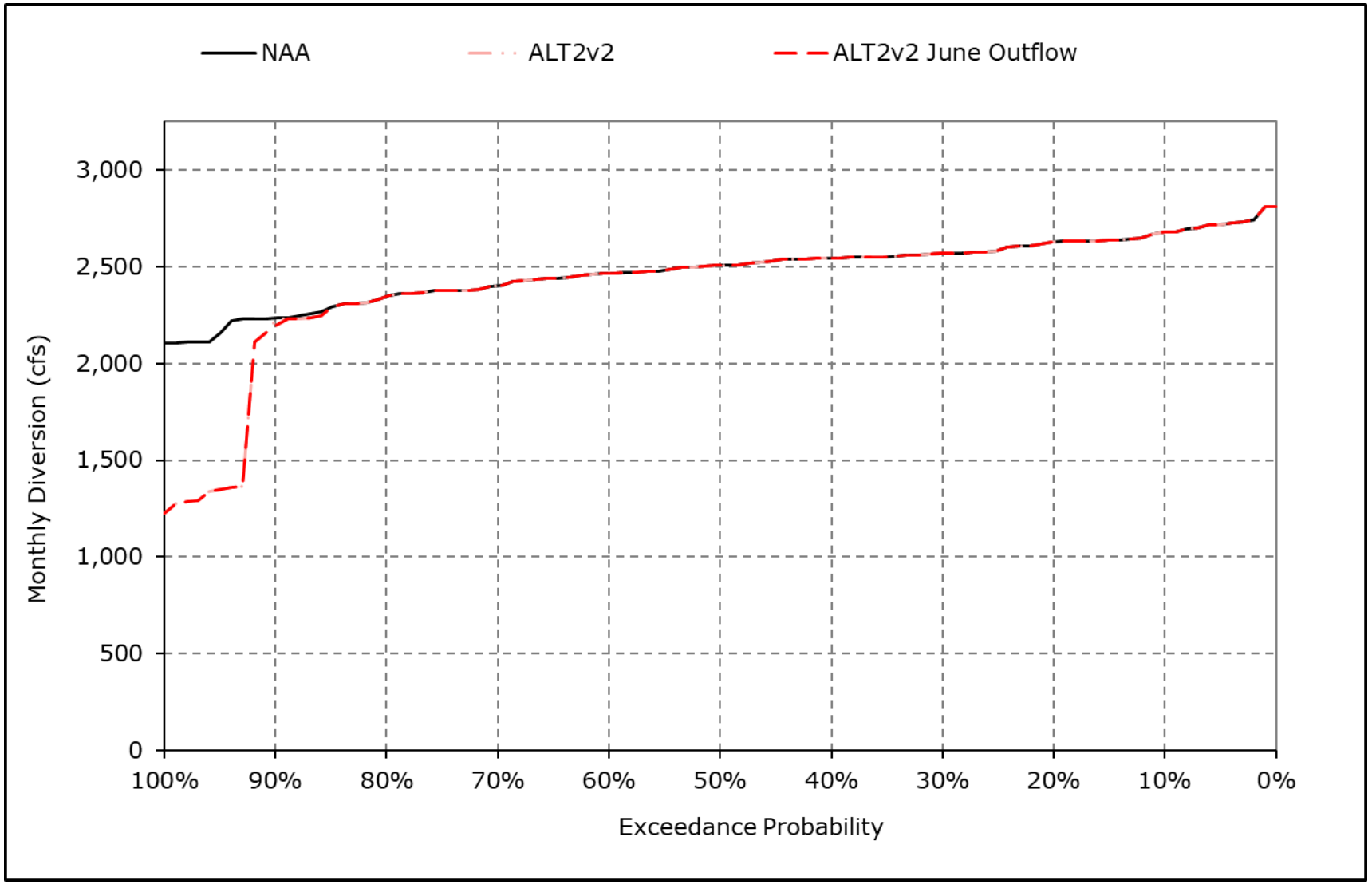
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-13. Hamilton City Diversion–Glenn Colusa Canal, April



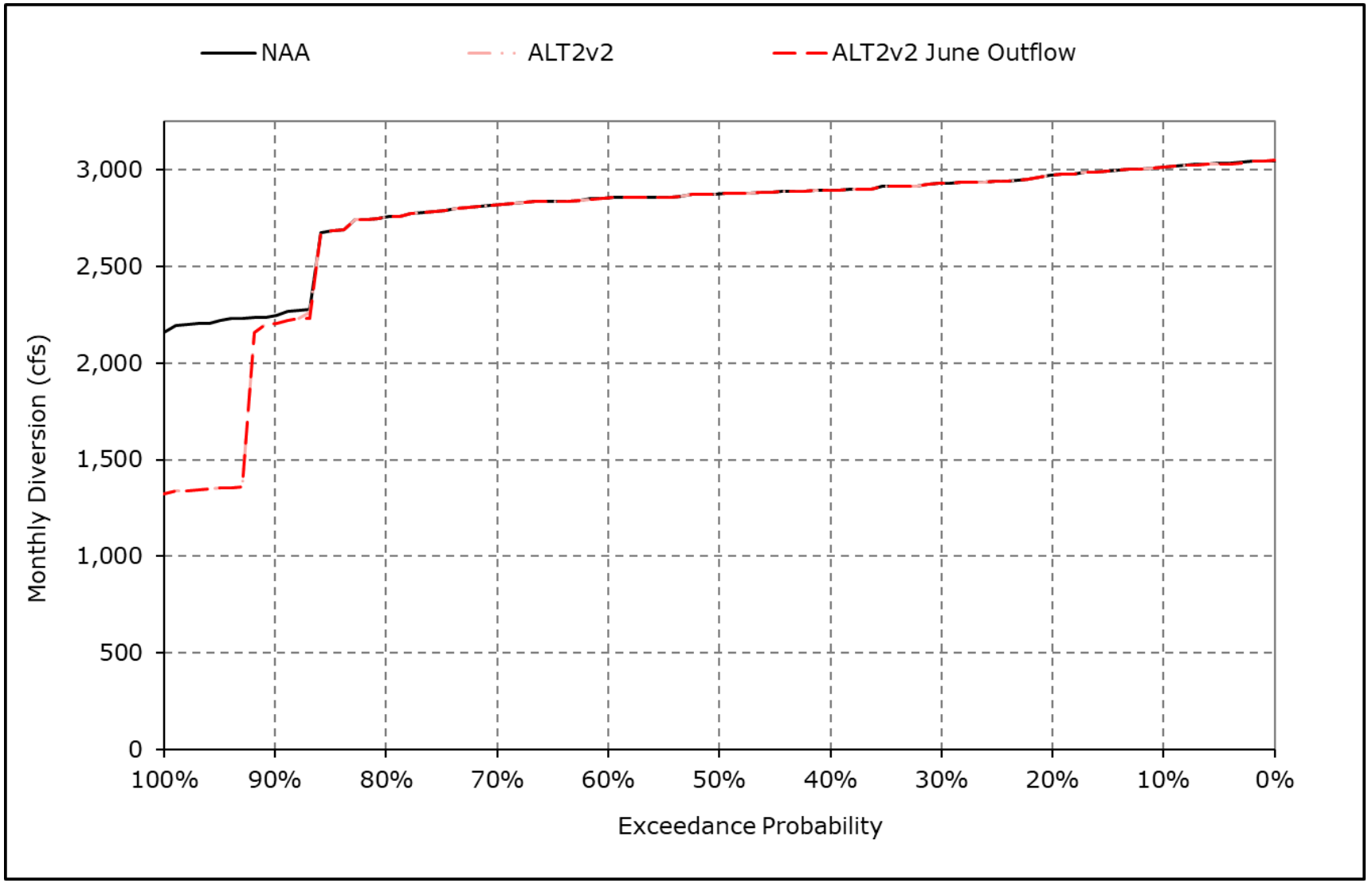
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-14. Hamilton City Diversion–Glenn Colusa Canal, May



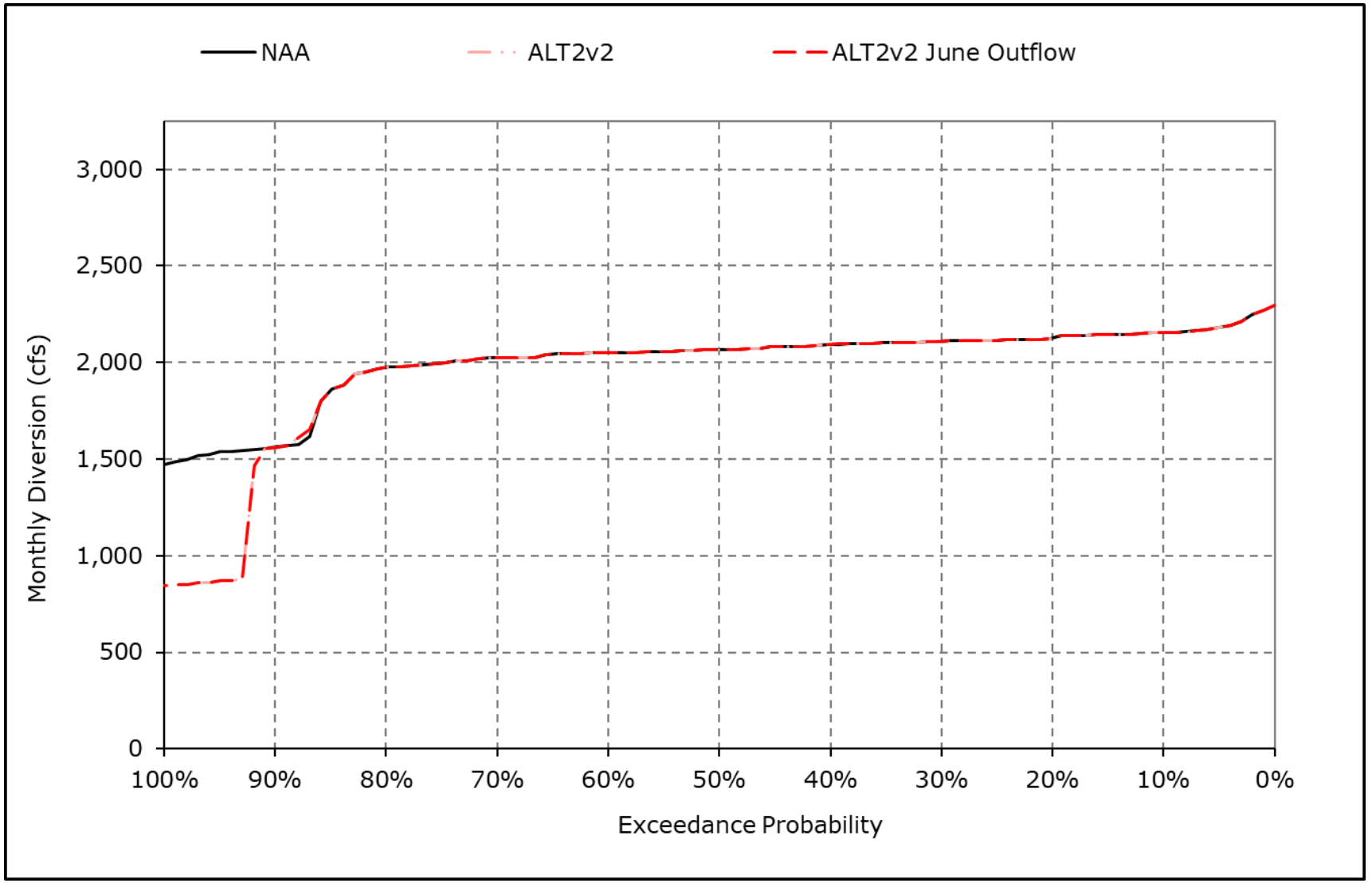
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-15. Hamilton City Diversion–Glenn Colusa Canal, June



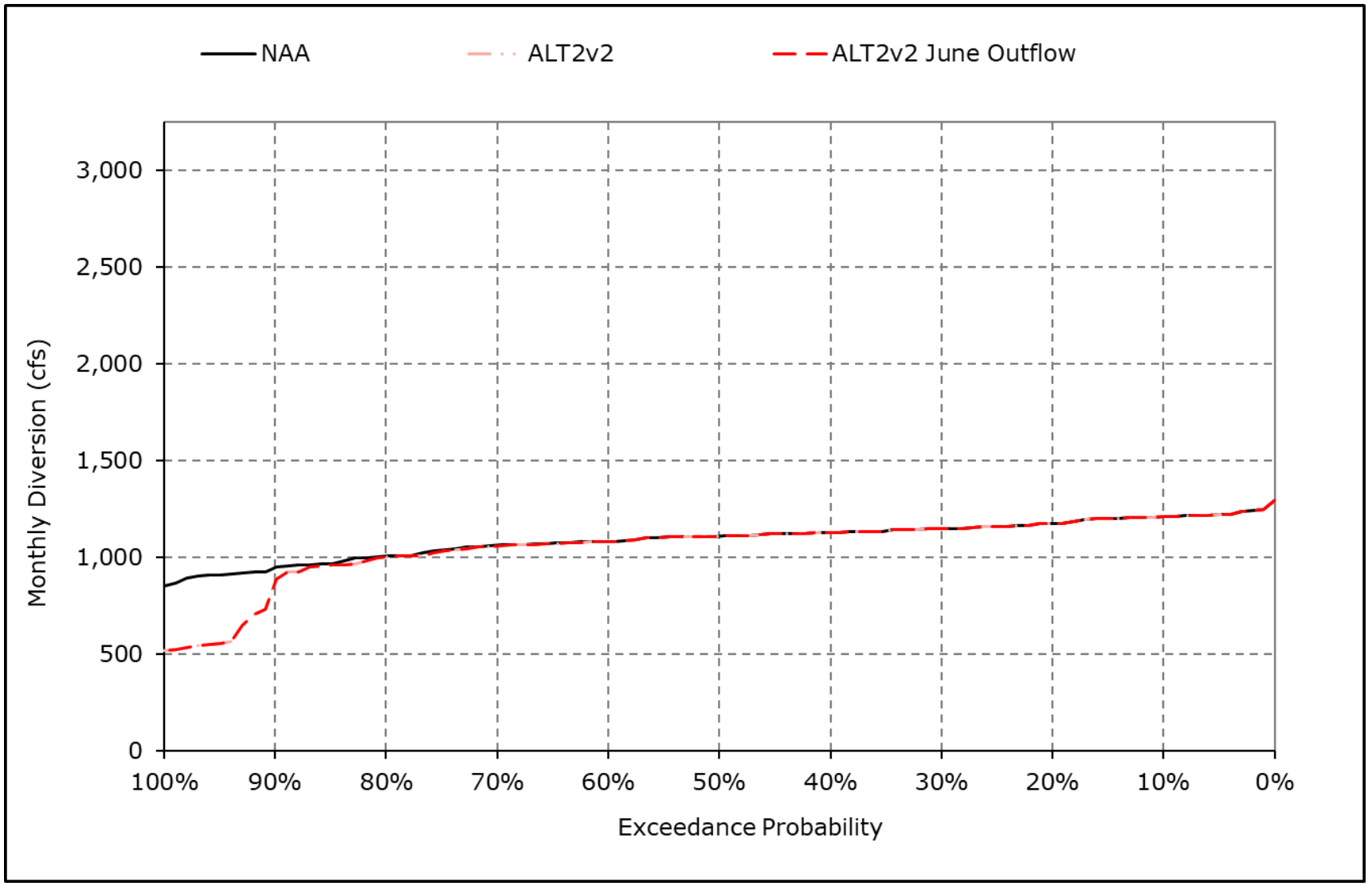
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-16. Hamilton City Diversion–Glenn Colusa Canal, July



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

Figure F.2.3-3-17. Hamilton City Diversion–Glenn Colusa Canal, August



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

Figure F.2.3-3-18. Hamilton City Diversion–Glenn Colusa Canal, September

Table F.2.3-4-1a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	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.2.3-4-1b. Folsom South Canal Diversion, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	25	27	23	28	33	34	47	37	31
90% Exceedance	28	23	25	23	27	23	26	31	32	44	35	29
Full Simulation Period Average[a]	29	25	27	25	28	24	28	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	29	25	28	33	35	48	38	32
Dry Water Years (24%)	30	25	28	24	29	25	28	33	34	48	38	31
Critical Water Years (16%)	22	18	21	22	22	21	24	26	27	37	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.2.3-4-1c. Folsom South Canal Diversion, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	-1	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	-2	-1	0	-1	-1	-1	-1	-1
90% Exceedance	1	1	1	1	0	9	10	11	10	16	11	9
Full Simulation Period Average[a]	0	0	0	0	0	1	1	0	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	1	2	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	1	0	1	1	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%)	1	1	2	1	-3	4	3	2	2	3	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.2.3-4-2a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	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.2.3-4-2b. Folsom South Canal Diversion, ALT2v2 June Outflow, Monthly Diversion (cfs)

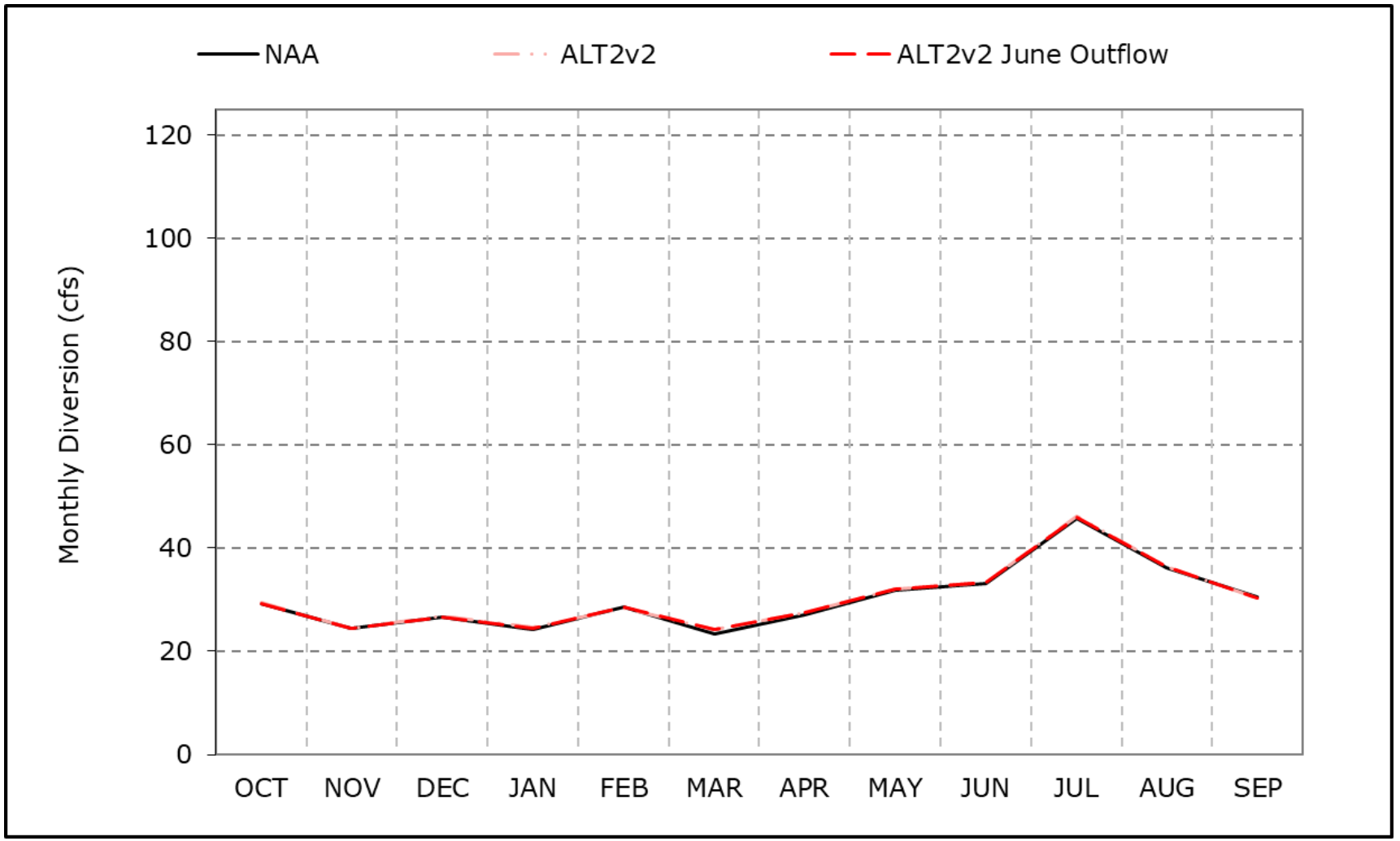
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	25	27	23	28	33	34	47	37	31
90% Exceedance	28	23	25	23	27	23	26	31	32	44	35	29
Full Simulation Period Average[a]	29	24	27	24	29	24	28	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	29	25	28	33	35	48	38	32
Dry Water Years (24%)	31	25	28	24	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	18	20	22	24	20	23	25	27	36	29	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 Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-4-2c. Folsom South Canal Diversion, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

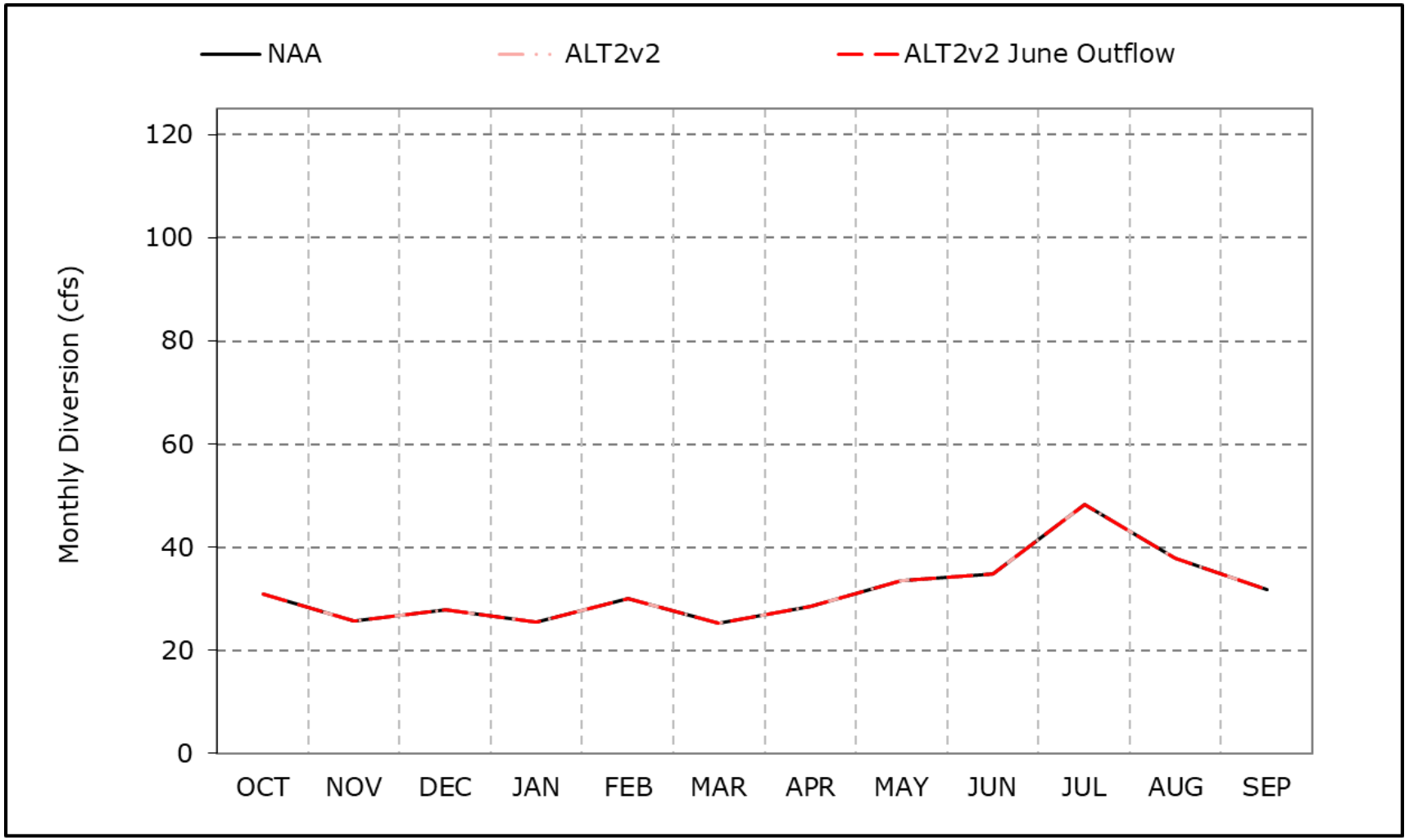
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
70% Exceedance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



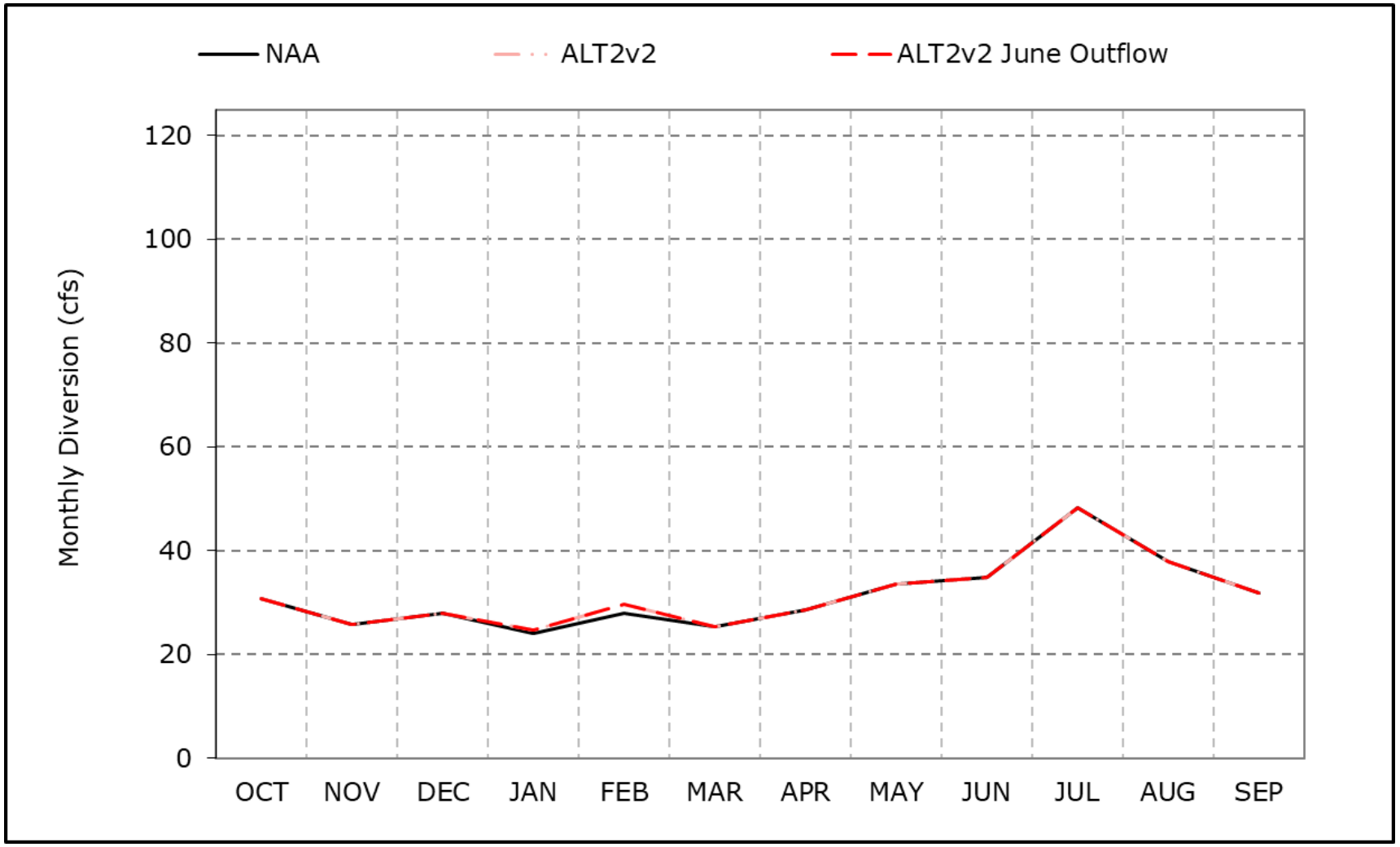
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-1. Folsom South Canal Diversion, Long-Term Average Diversion



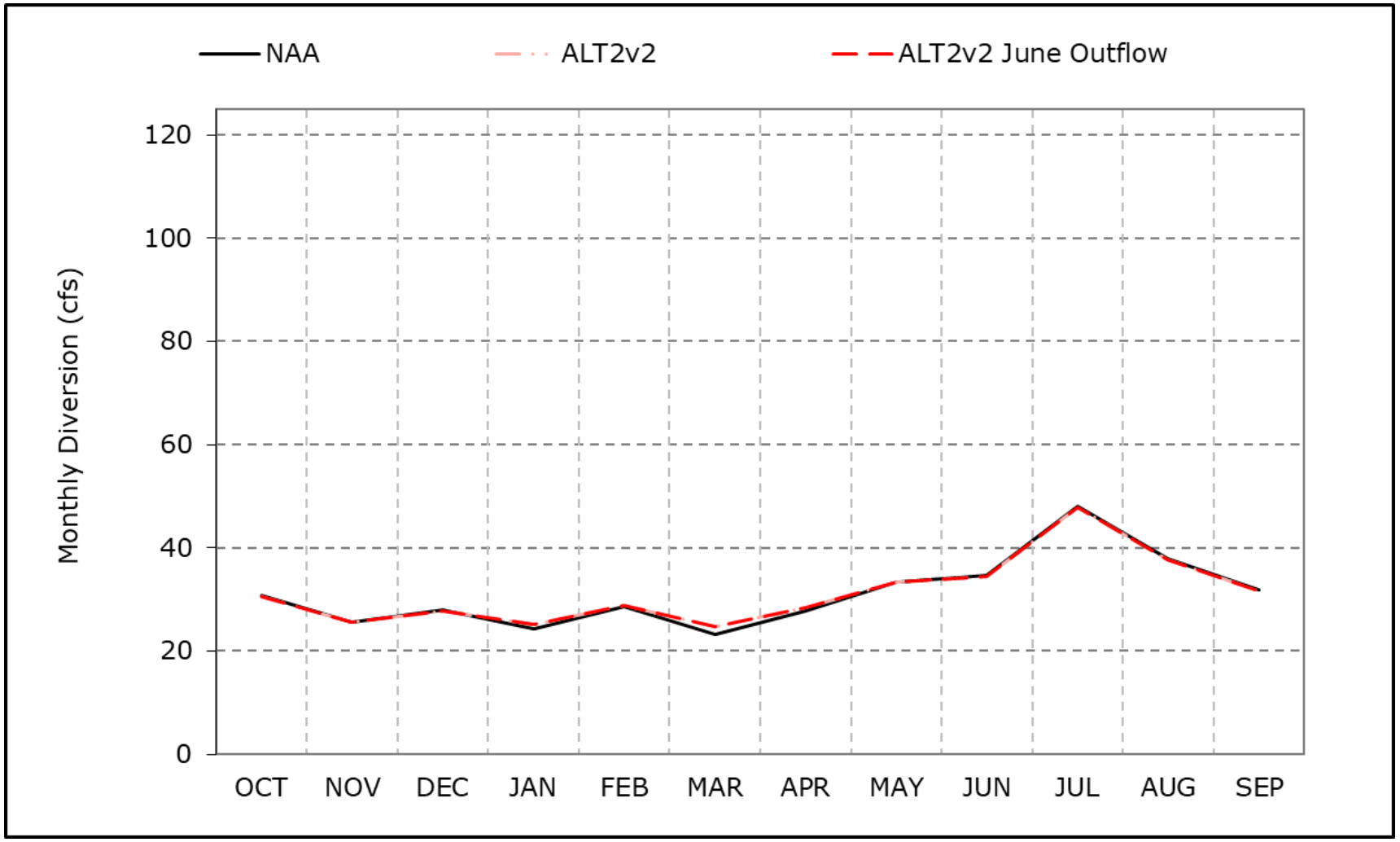
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-2. Folsom South Canal Diversion, Wet Year Average Diversion



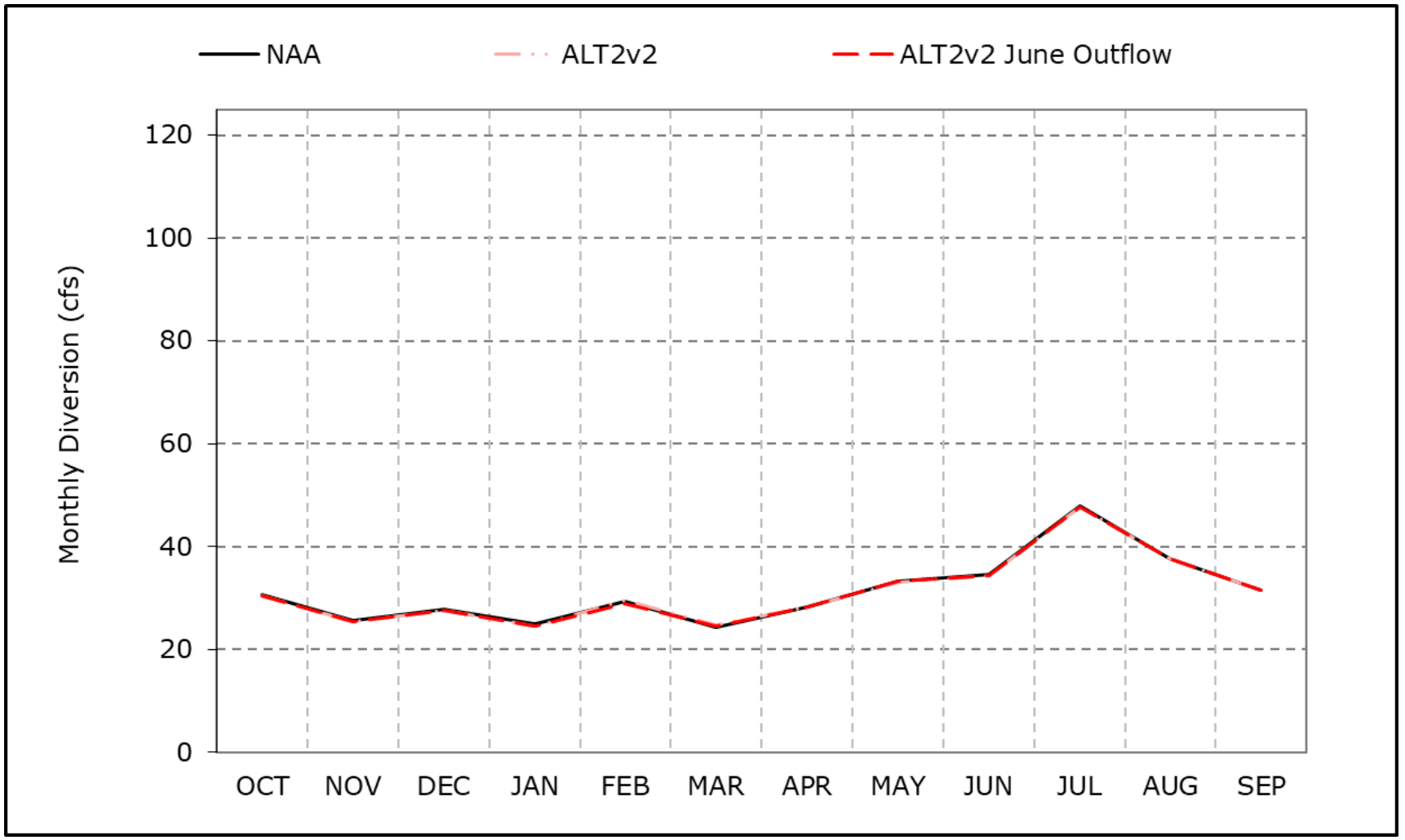
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-3. Folsom South Canal Diversion, Above Normal Year Average Diversion



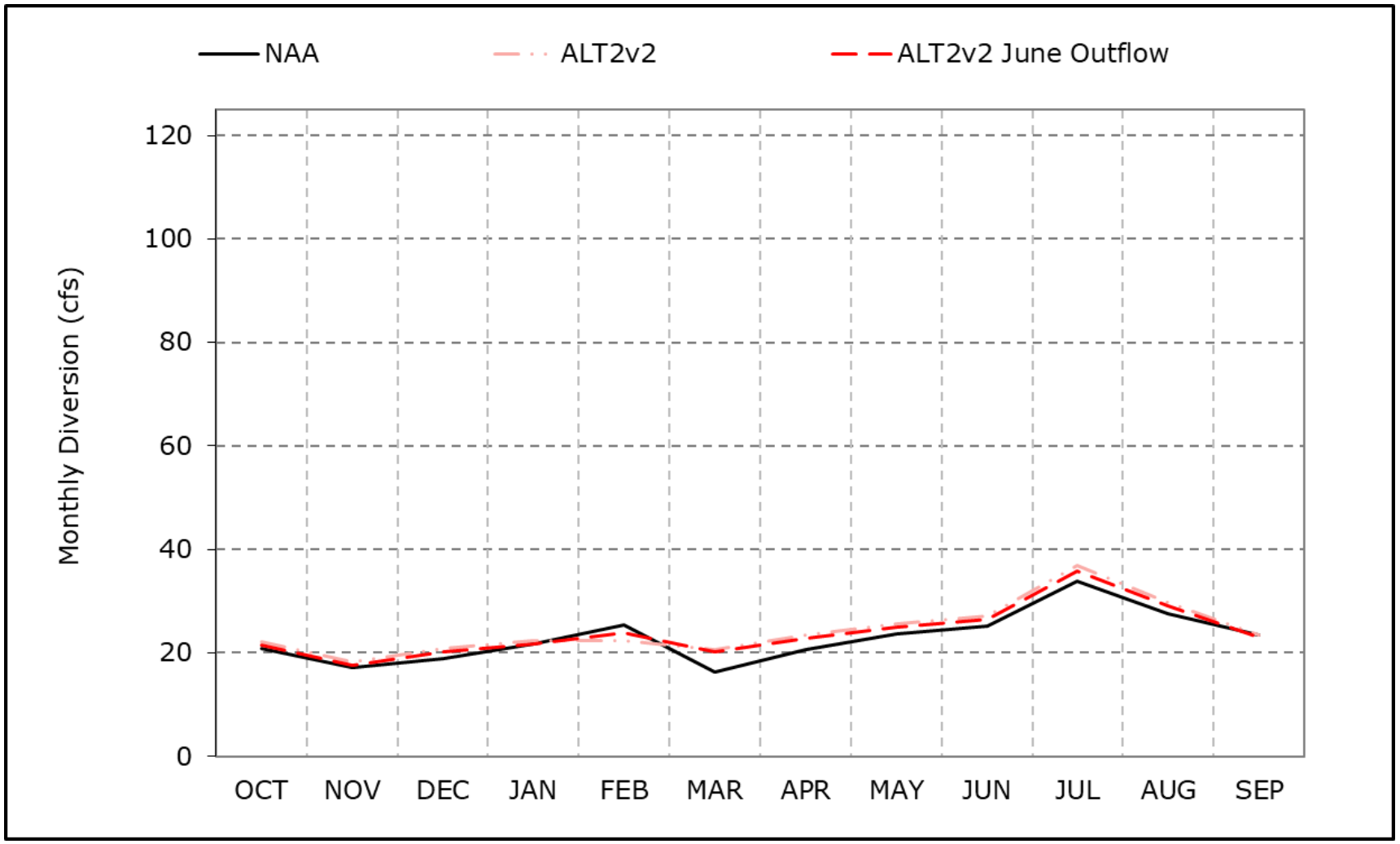
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-4. Folsom South Canal Diversion, Below Normal Year Average Diversion



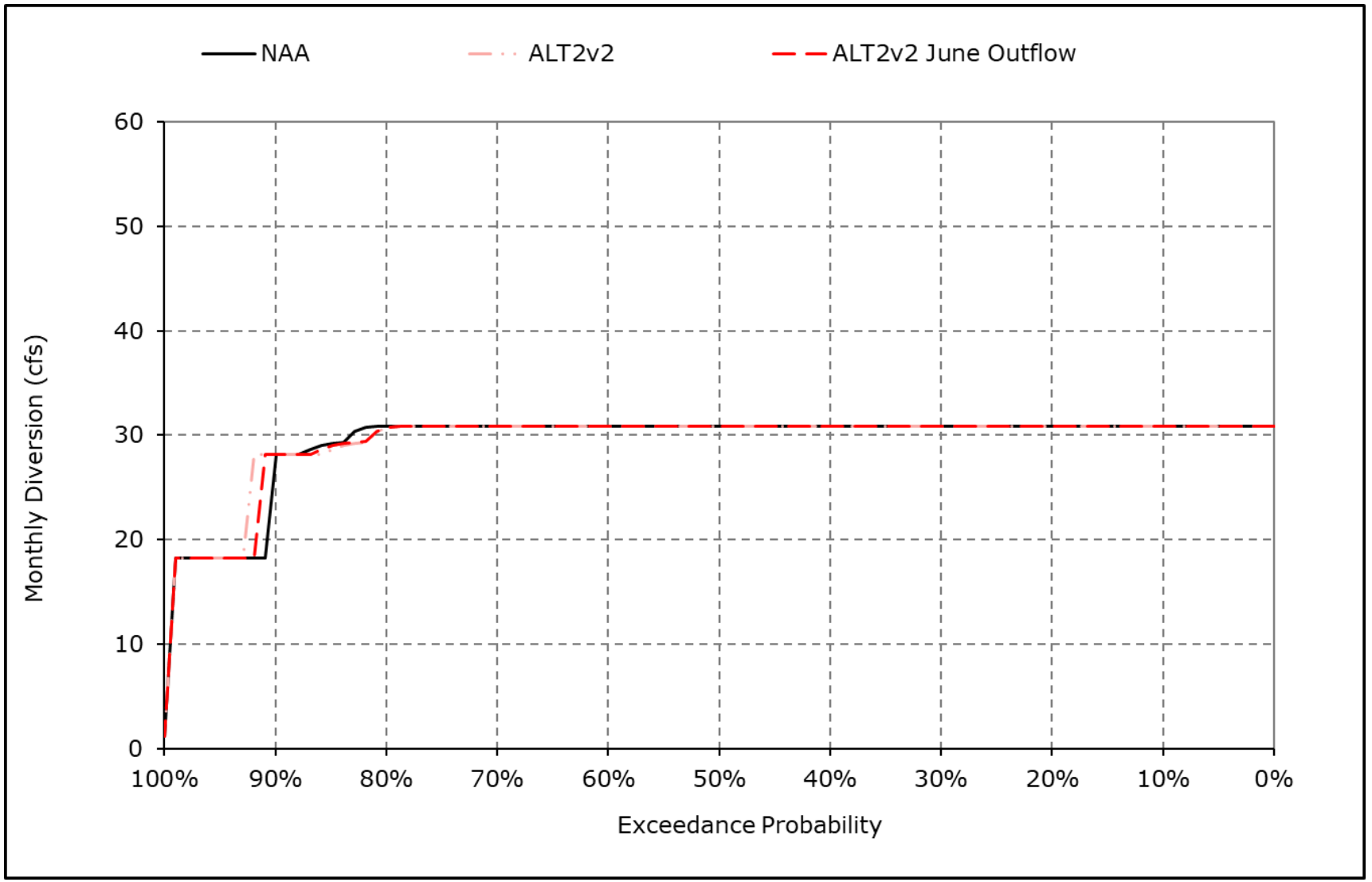
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-5. Folsom South Canal Diversion, Dry Year Average Diversion



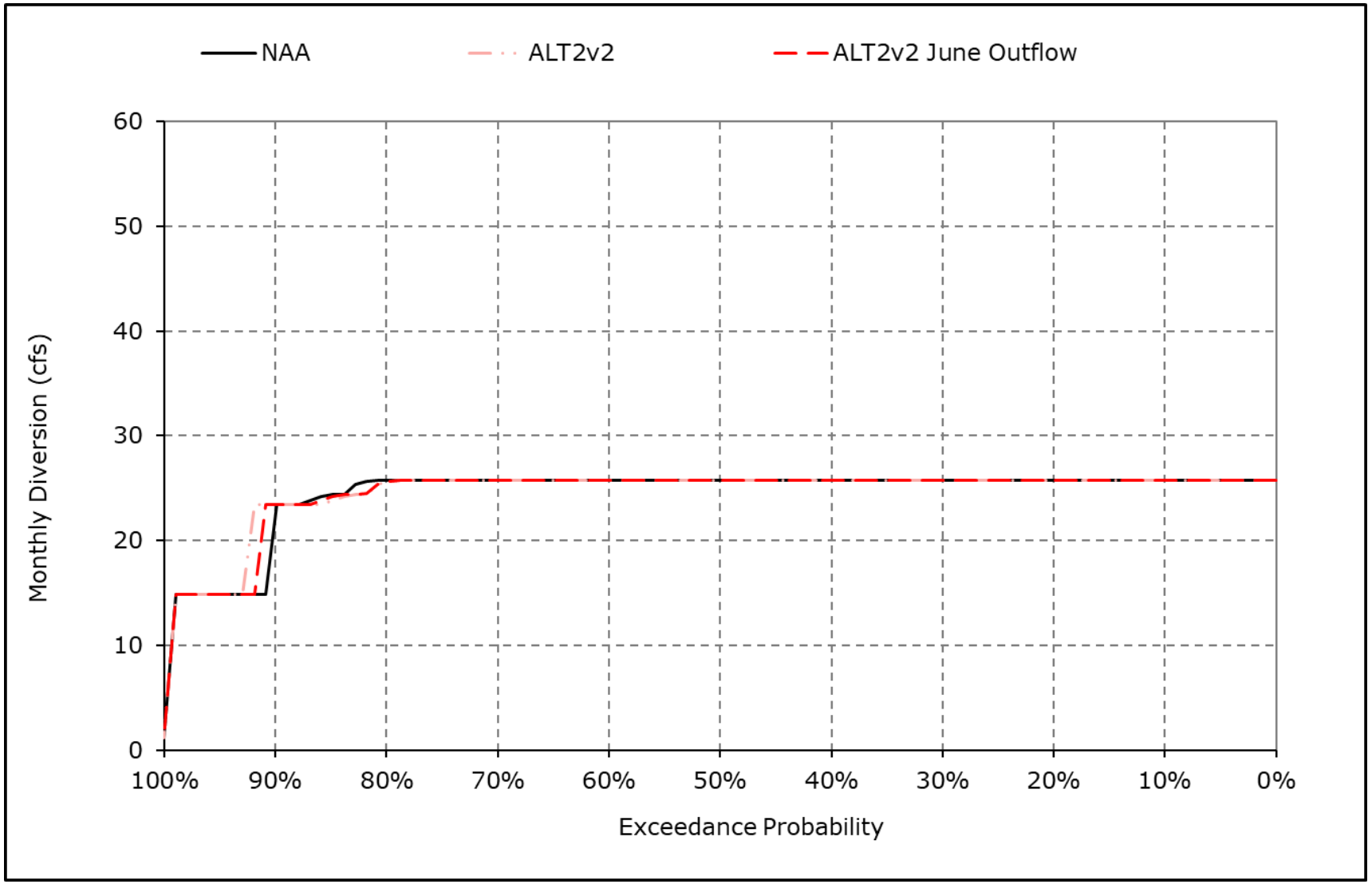
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-6. Folsom South Canal Diversion, Critical Year Average Diversion



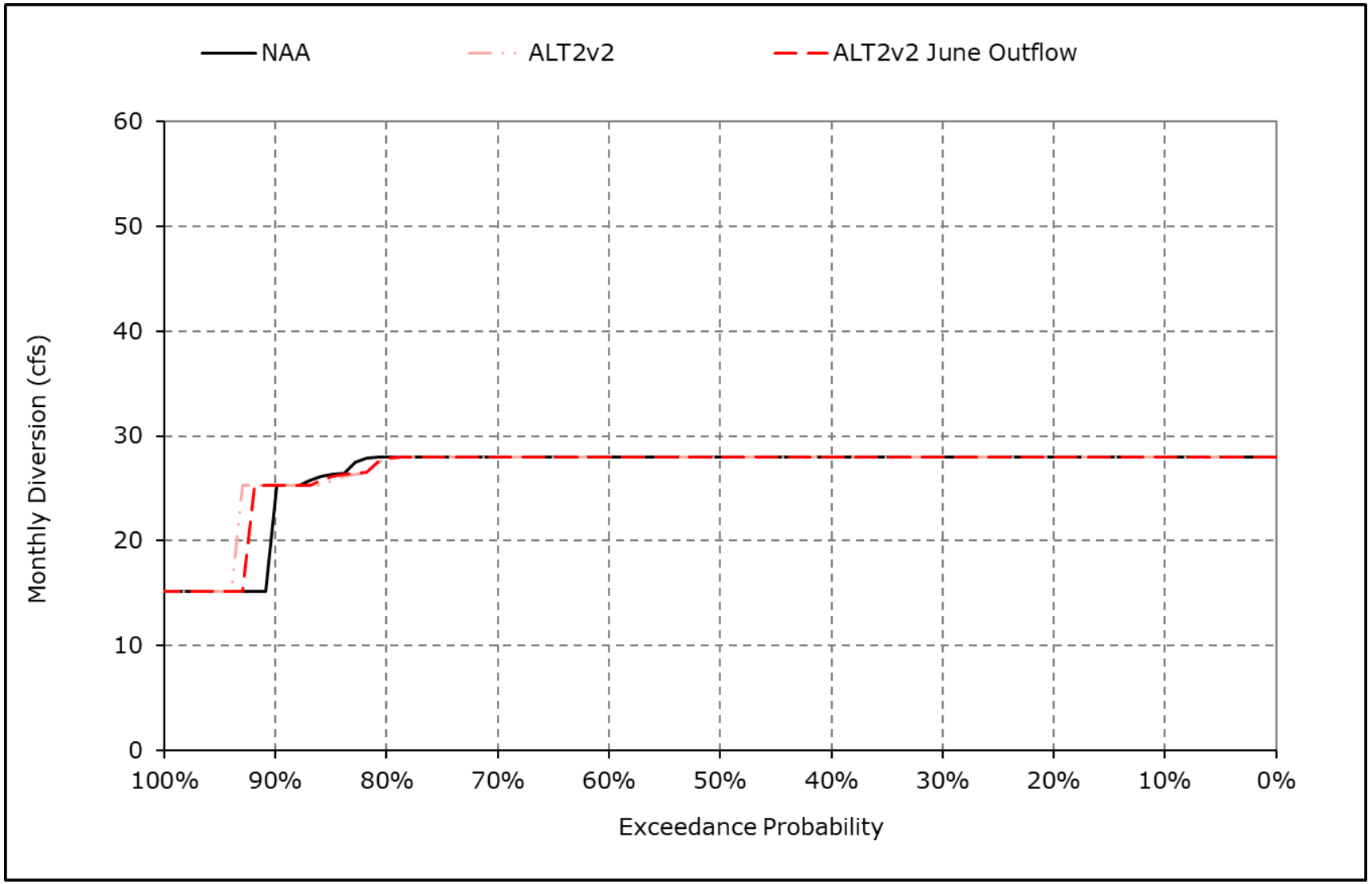
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-7. Folsom South Canal Diversion, October



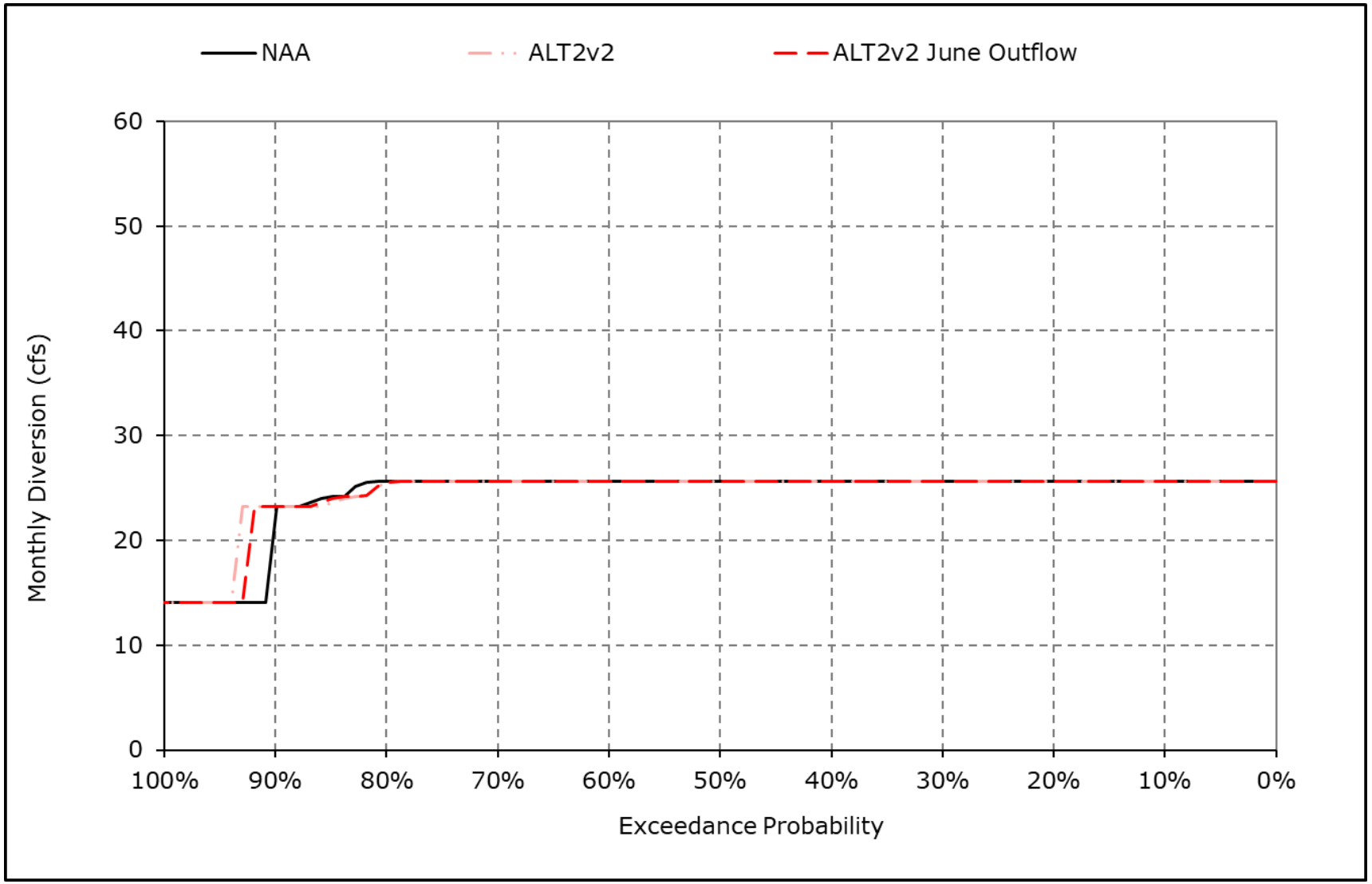
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-8. Folsom South Canal Diversion, November



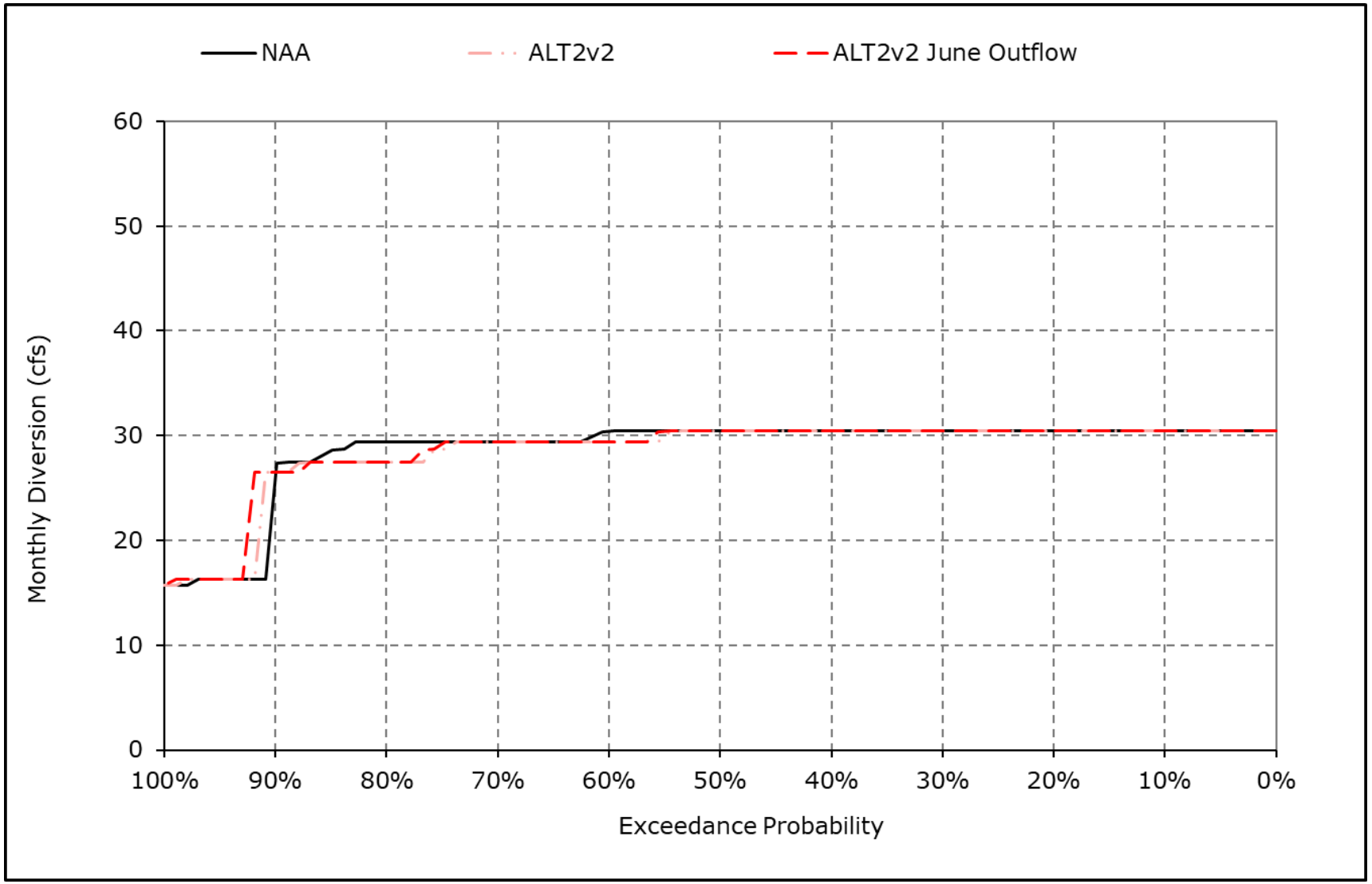
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-9. Folsom South Canal Diversion, December



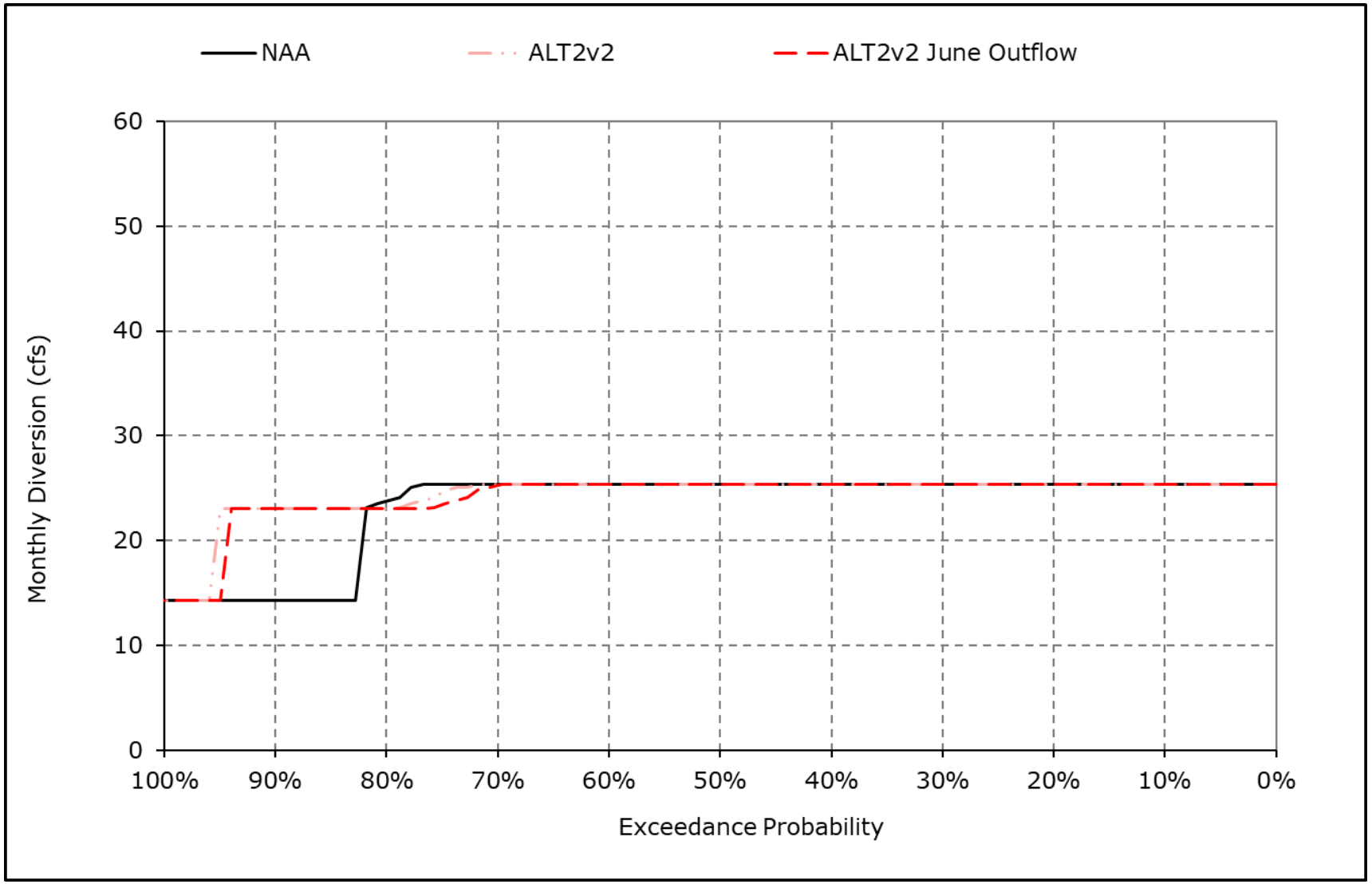
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-10. Folsom South Canal Diversion, January



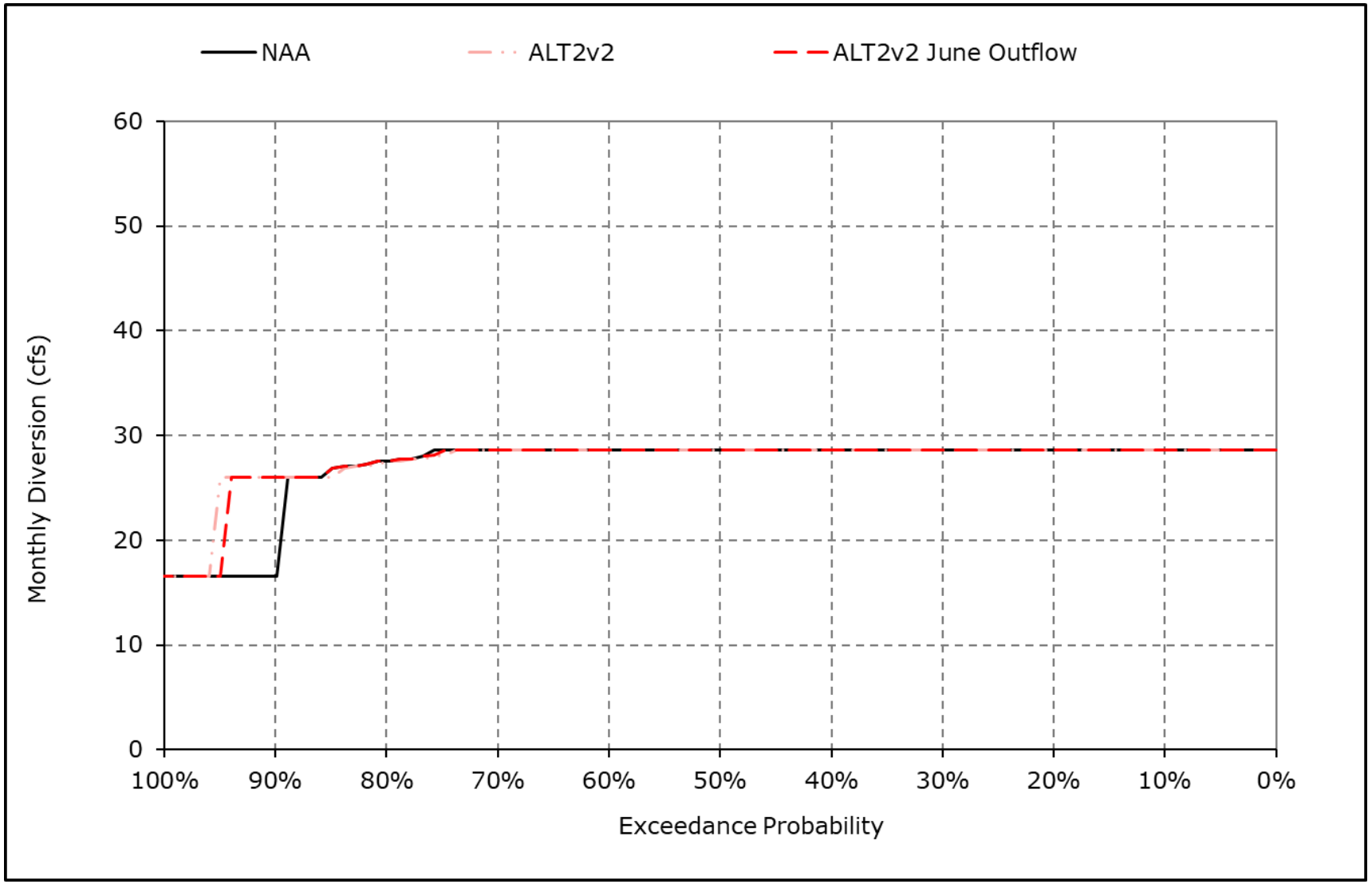
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-11. Folsom South Canal Diversion, February



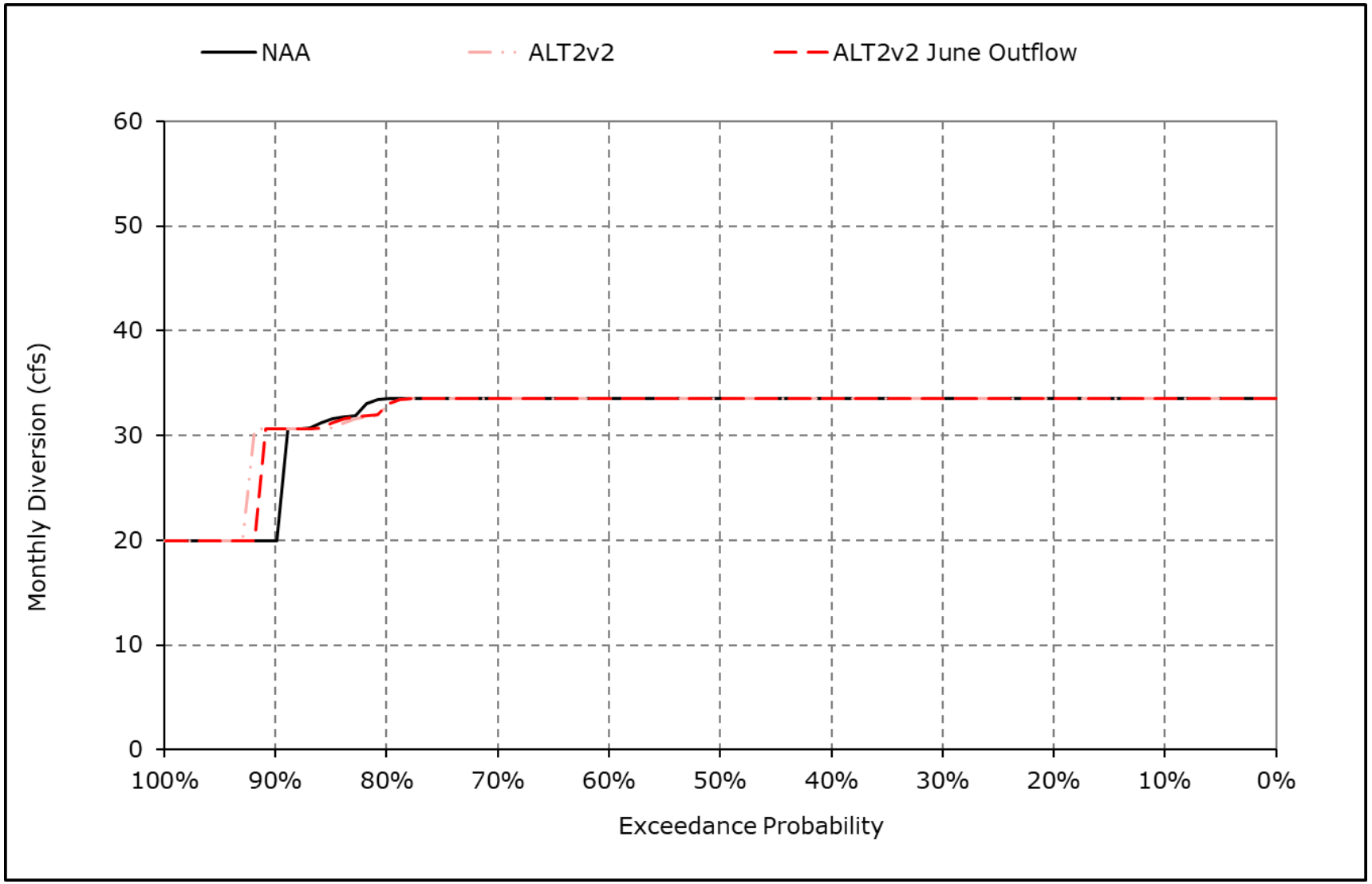
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-12. Folsom South Canal Diversion, March



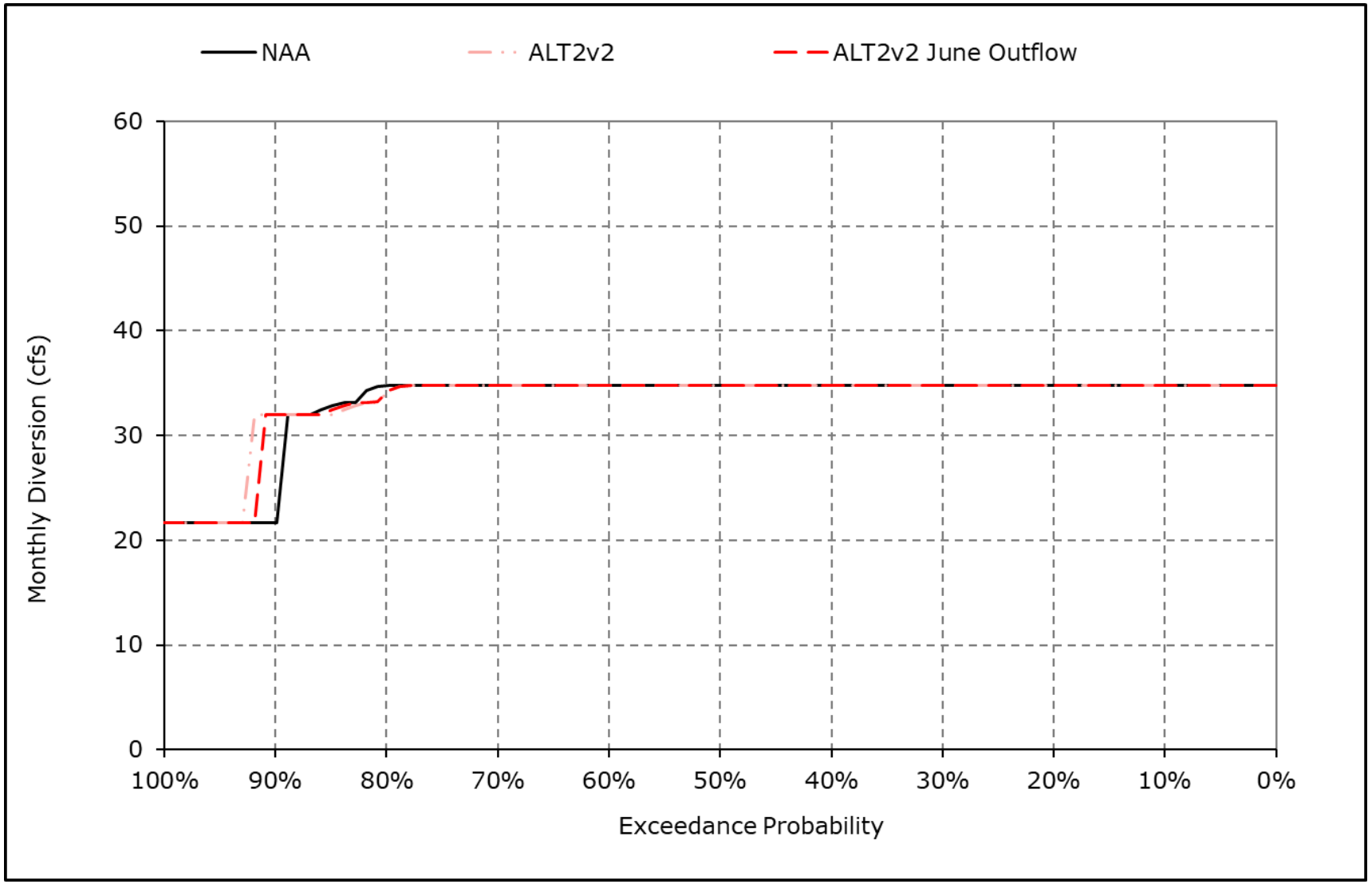
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-13. Folsom South Canal Diversion, April



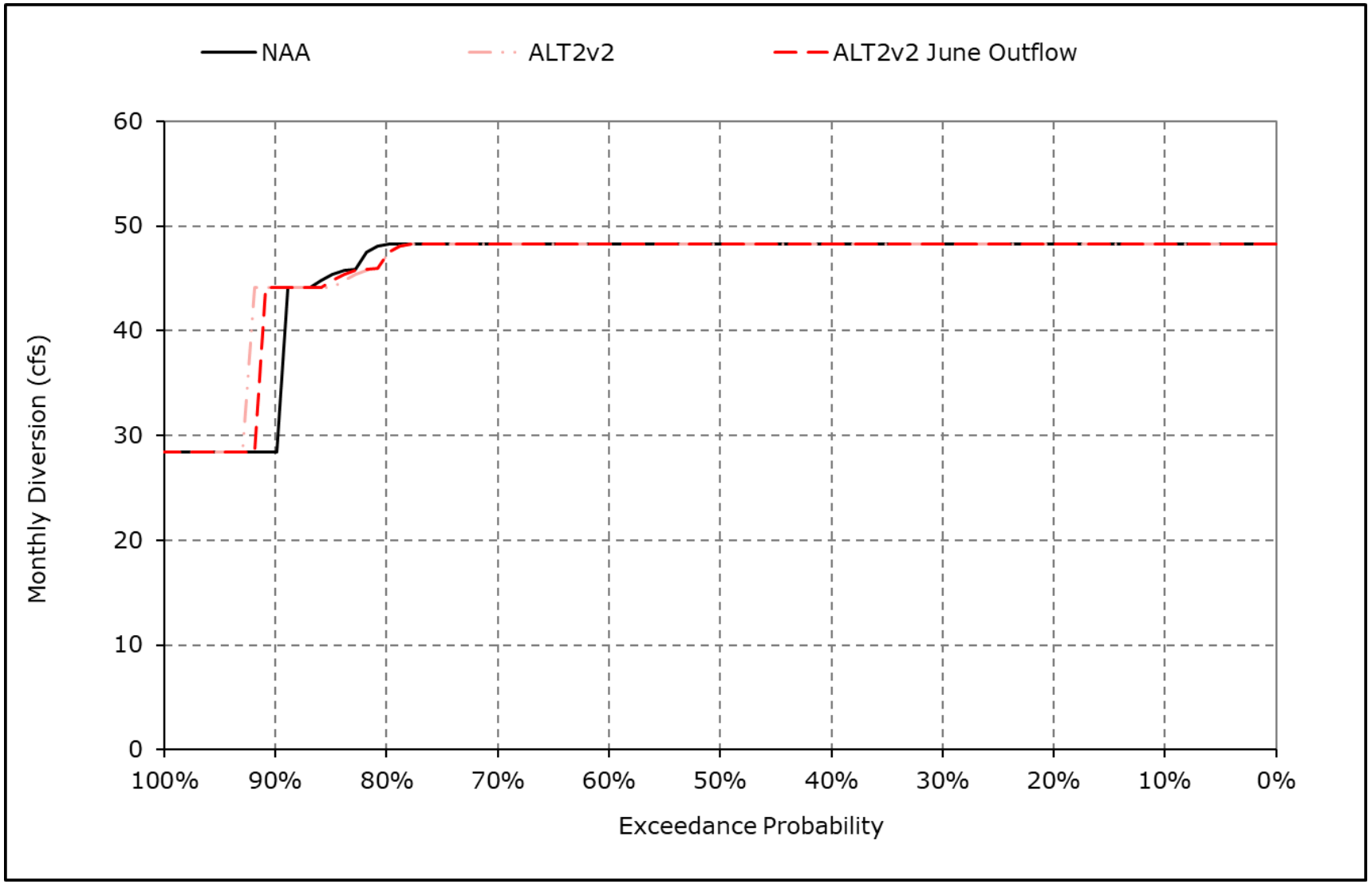
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-14. Folsom South Canal Diversion, May



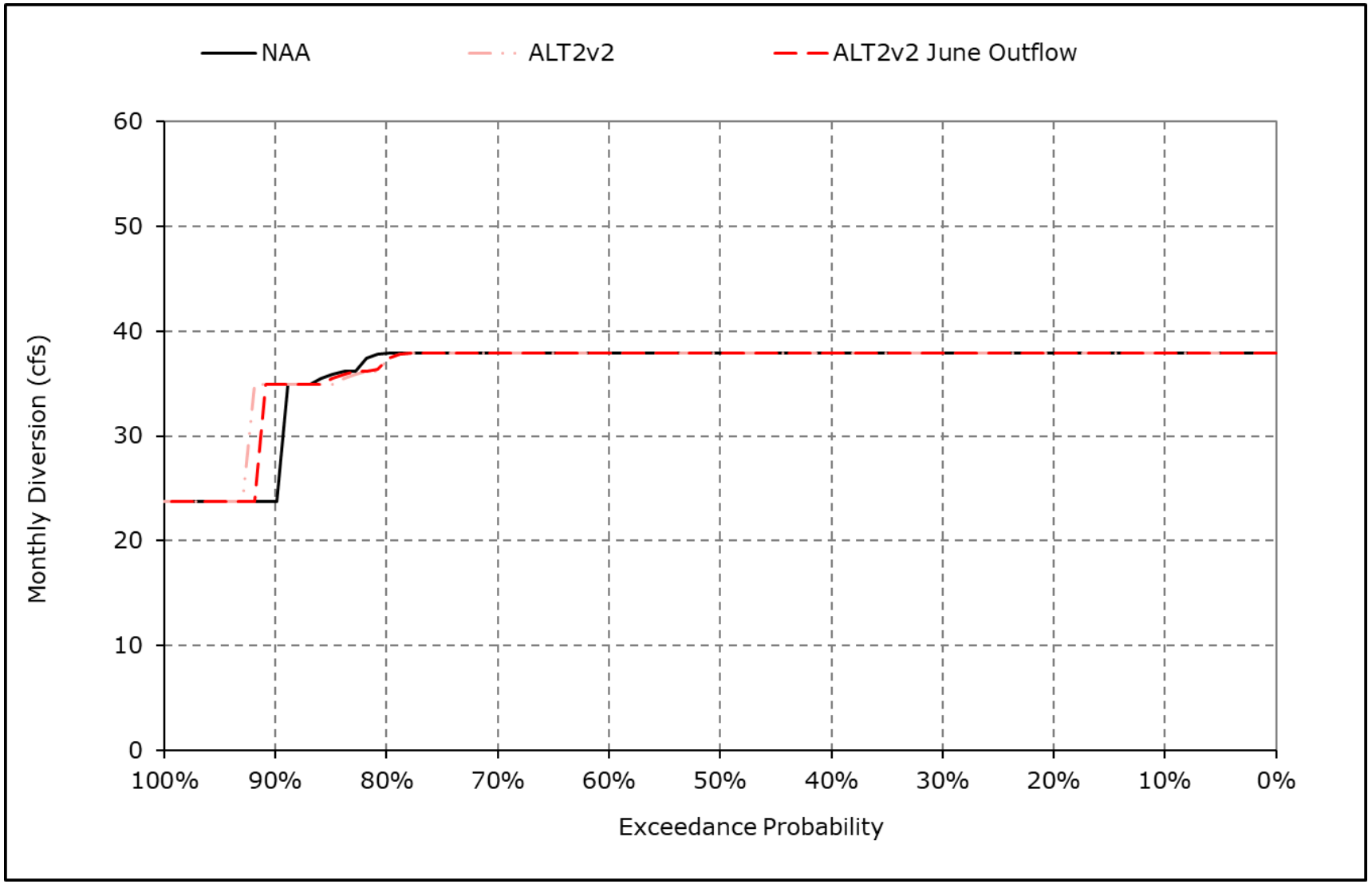
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-15. Folsom South Canal Diversion, June



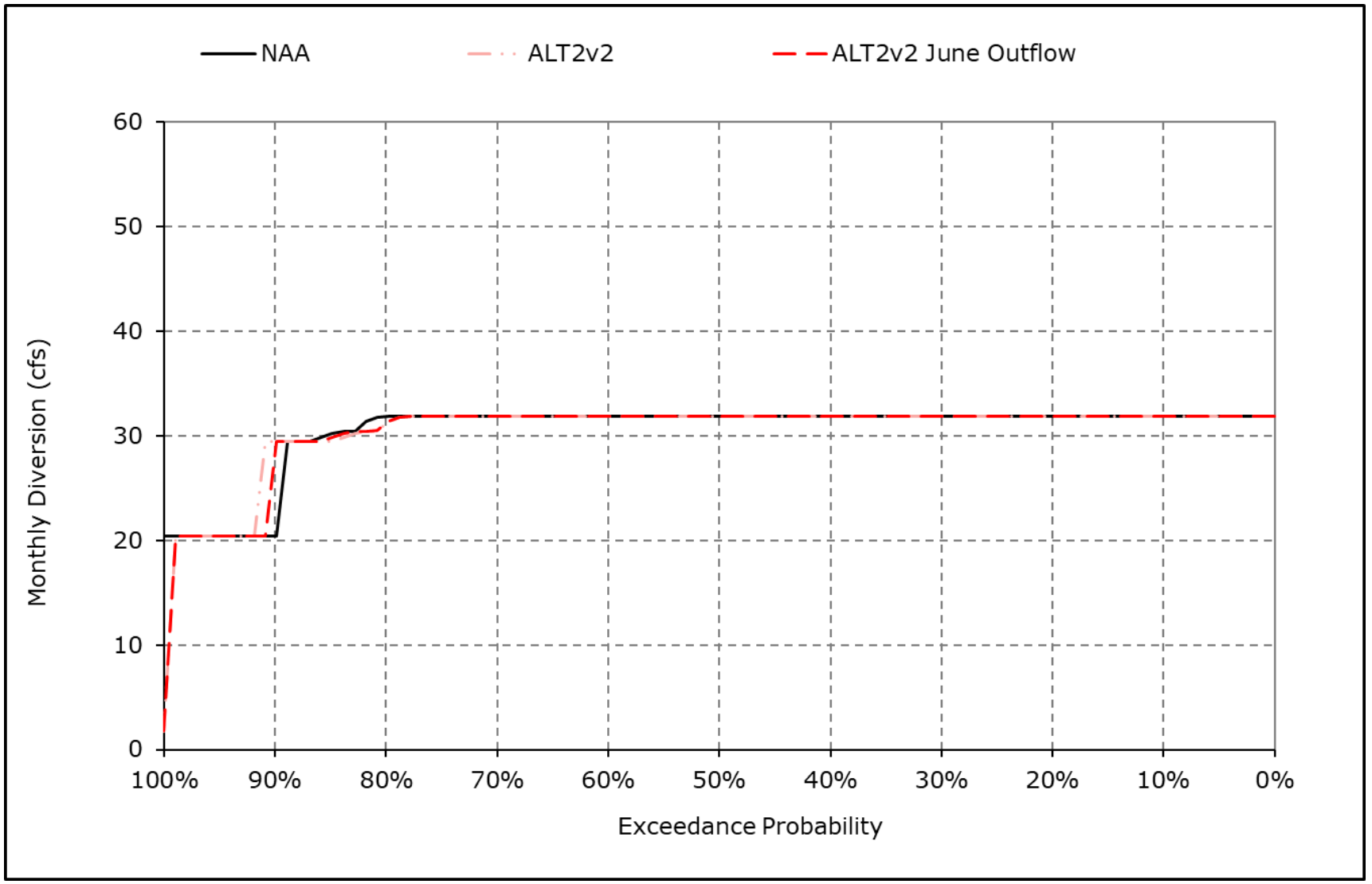
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-16. Folsom South Canal Diversion, July



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

Figure F.2.3-4-17. Folsom South Canal Diversion, August



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

Figure F.2.3-4-18. Folsom South Canal Diversion, September

Table F.2.3-5-1a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	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.2.3-5-1b. Friant-Kern Canal Diversion, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,932	2,776	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,772	3,926	3,063	2,685	1,507
30% Exceedance	544	166	86	104	1,214	1,089	1,511	2,363	2,655	2,792	2,448	1,378
40% Exceedance	511	150	75	91	897	870	1,257	1,872	2,232	2,351	2,121	1,138
50% Exceedance	474	144	64	74	741	604	965	1,291	1,880	2,222	1,757	966
60% Exceedance	433	138	16	63	513	492	594	829	1,781	2,023	1,353	787
70% Exceedance	373	127	16	16	339	427	509	737	1,605	1,894	1,206	703
80% Exceedance	345	116	16	16	265	321	393	568	1,213	1,513	921	546
90% Exceedance	279	77	16	16	183	242	299	446	914	1,137	704	426
Full Simulation Period Average[a]	486	207	161	436	1,086	923	1,211	1,627	2,264	2,269	1,801	1,031
Wet Water Years (28%)	634	358	157	1,097	2,149	1,658	2,089	2,650	3,446	3,109	2,696	1,538
Above Normal Water Years (14%)	576	189	81	301	1,011	1,108	1,461	1,967	2,753	2,657	2,126	1,217
Below Normal Water Years (18%)	457	145	131	269	759	774	1,079	1,612	2,115	2,226	1,700	967
Dry Water Years (24%)	406	160	327	137	569	520	722	1,006	1,599	1,857	1,343	764
Critical Water Years (16%)	279	95	19	31	438	248	338	487	931	1,127	753	456

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

Table F.2.3-5-1c. Friant-Kern Canal Diversion, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-2	-3	-1	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	5	-1	0	0	0
30% Exceedance	7	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	-2	0	-1	0	0	0	-21	-15	-20	-10
50% Exceedance	0	0	0	-1	0	0	0	0	-1	2	-1	0
60% Exceedance	-4	0	0	0	-2	0	-7	-1	0	4	-2	0
70% Exceedance	0	-1	0	0	1	7	-16	0	-1	0	13	0
80% Exceedance	0	0	0	0	0	0	-3	0	0	-1	18	0
90% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	-7	0	0	-1	2	-1
Wet Water Years (28%)	-1	0	0	0	2	0	-1	-6	-4	-4	-4	-2
Above Normal Water Years (14%)	0	0	0	0	-1	0	0	4	4	0	0	0
Below Normal Water Years (18%)	3	1	0	0	-1	1	-25	5	6	3	20	0
Dry Water Years (24%)	0	0	0	0	0	0	-4	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	-8	1	-3	-1	-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.2.3-5-2a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	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.2.3-5-2b. Friant-Kern Canal Diversion, ALT2v2 June Outflow, Monthly Diversion (cfs)

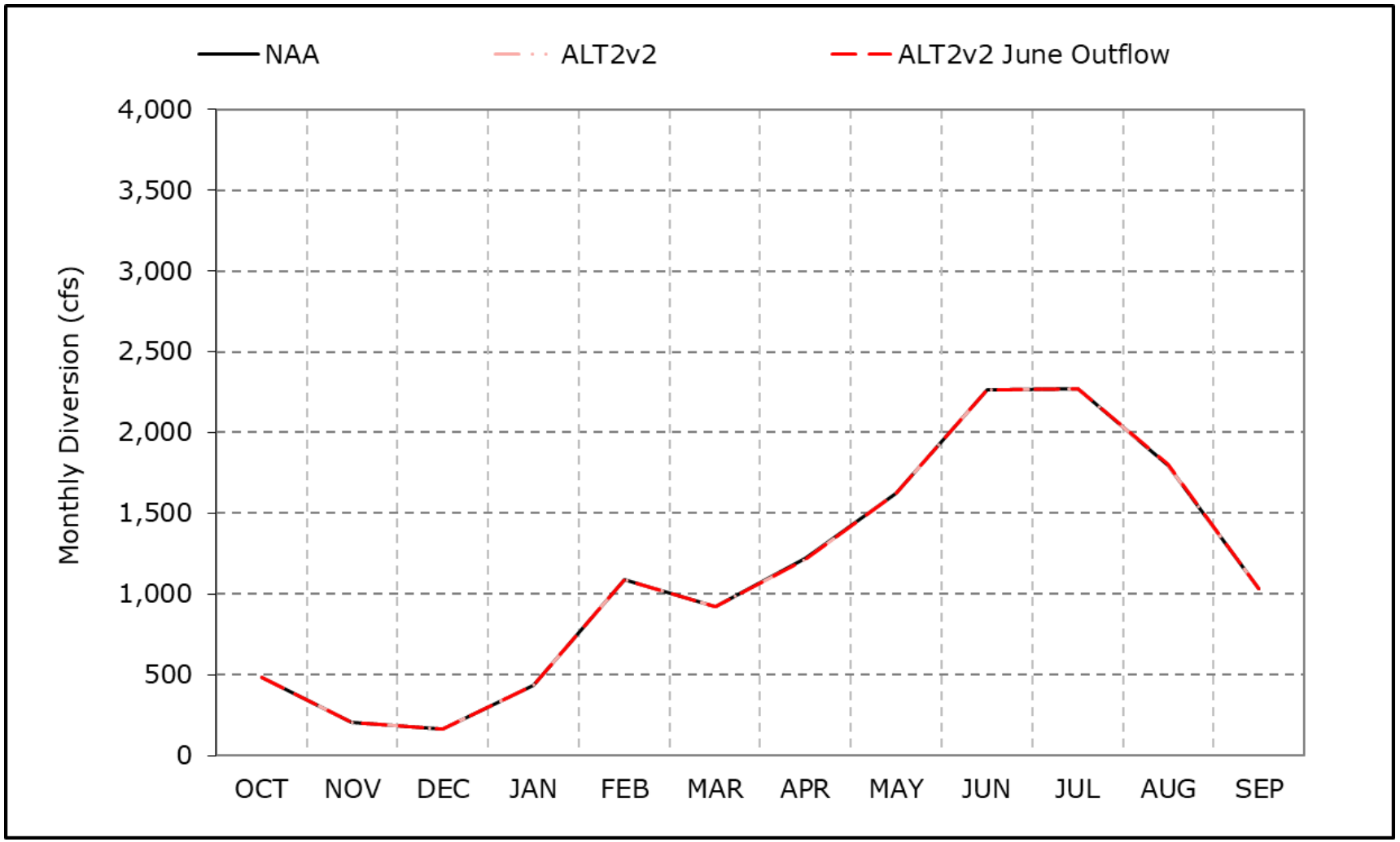
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,782	2,181	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,770	3,926	3,063	2,685	1,507
30% Exceedance	541	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	897	870	1,257	1,872	2,232	2,351	2,121	1,138
50% Exceedance	474	144	64	74	741	604	965	1,292	1,881	2,220	1,758	967
60% Exceedance	443	138	16	63	516	493	594	829	1,782	2,024	1,353	787
70% Exceedance	373	128	16	16	339	427	534	738	1,607	1,894	1,207	703
80% Exceedance	345	116	16	16	266	321	393	577	1,217	1,518	924	547
90% Exceedance	277	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	486	207	161	436	1,087	923	1,213	1,627	2,264	2,271	1,802	1,032
Wet Water Years (28%)	634	358	157	1,098	2,149	1,659	2,089	2,650	3,446	3,109	2,696	1,538
Above Normal Water Years (14%)	576	189	81	301	1,012	1,108	1,461	1,967	2,754	2,657	2,127	1,217
Below Normal Water Years (18%)	457	145	131	270	759	774	1,083	1,611	2,118	2,234	1,704	970
Dry Water Years (24%)	407	160	327	137	570	520	726	1,006	1,599	1,857	1,343	764
Critical Water Years (16%)	279	95	19	31	438	248	342	487	931	1,128	754	456

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

Table F.2.3-5-2c. Friant-Kern Canal Diversion, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

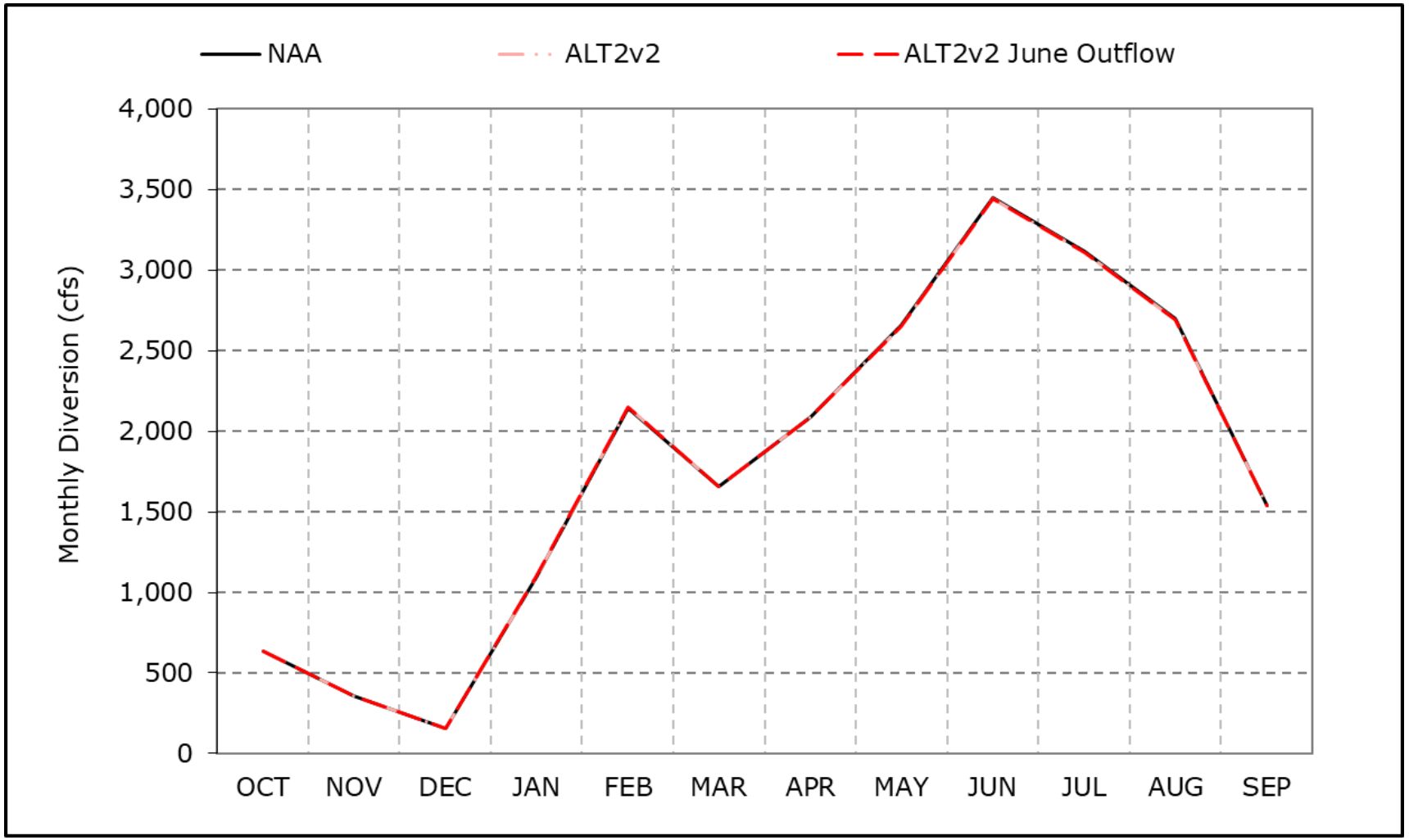
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	4	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	2	0	0	0	0
30% Exceedance	4	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	-1	0	0	0	-21	-15	-20	-10
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	6	0	0	0	1	0	-6	-1	0	4	-2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



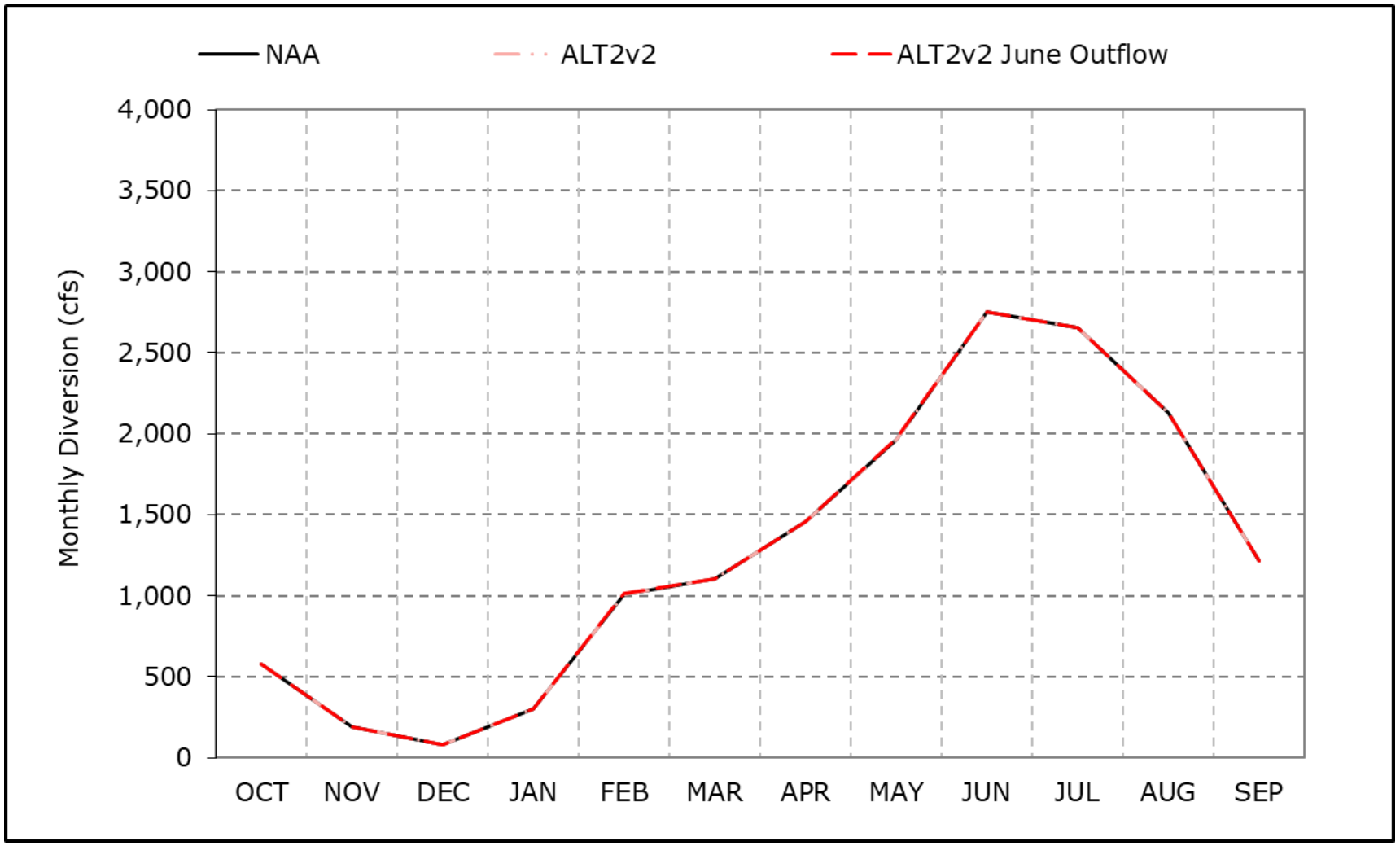
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-1. Friant-Kern Canal Diversion, Long-Term Average Diversion



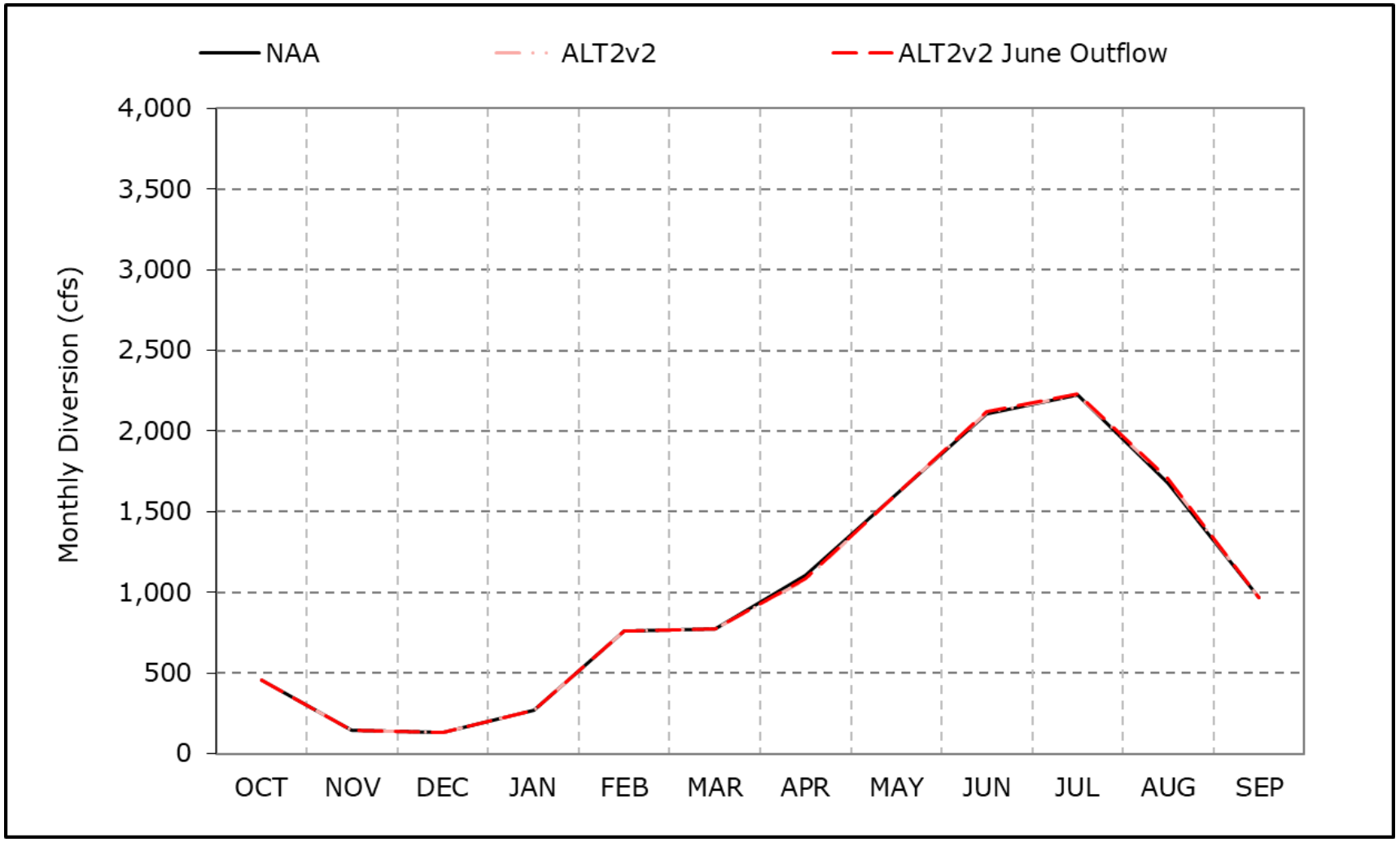
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-2. Friant-Kern Canal Diversion, Wet Year Average Diversion



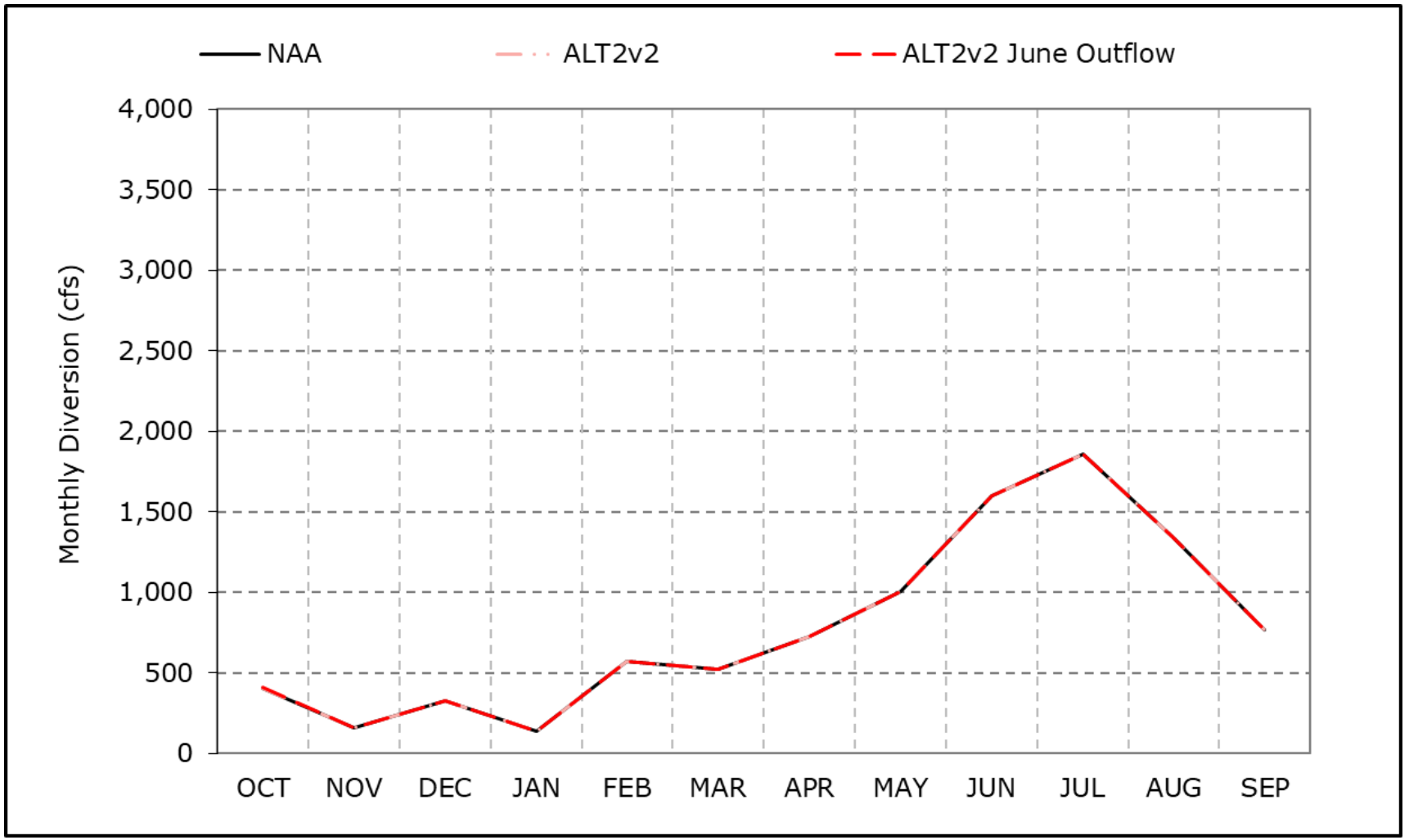
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-3. Friant-Kern Canal Diversion, Above Normal Year Average Diversion



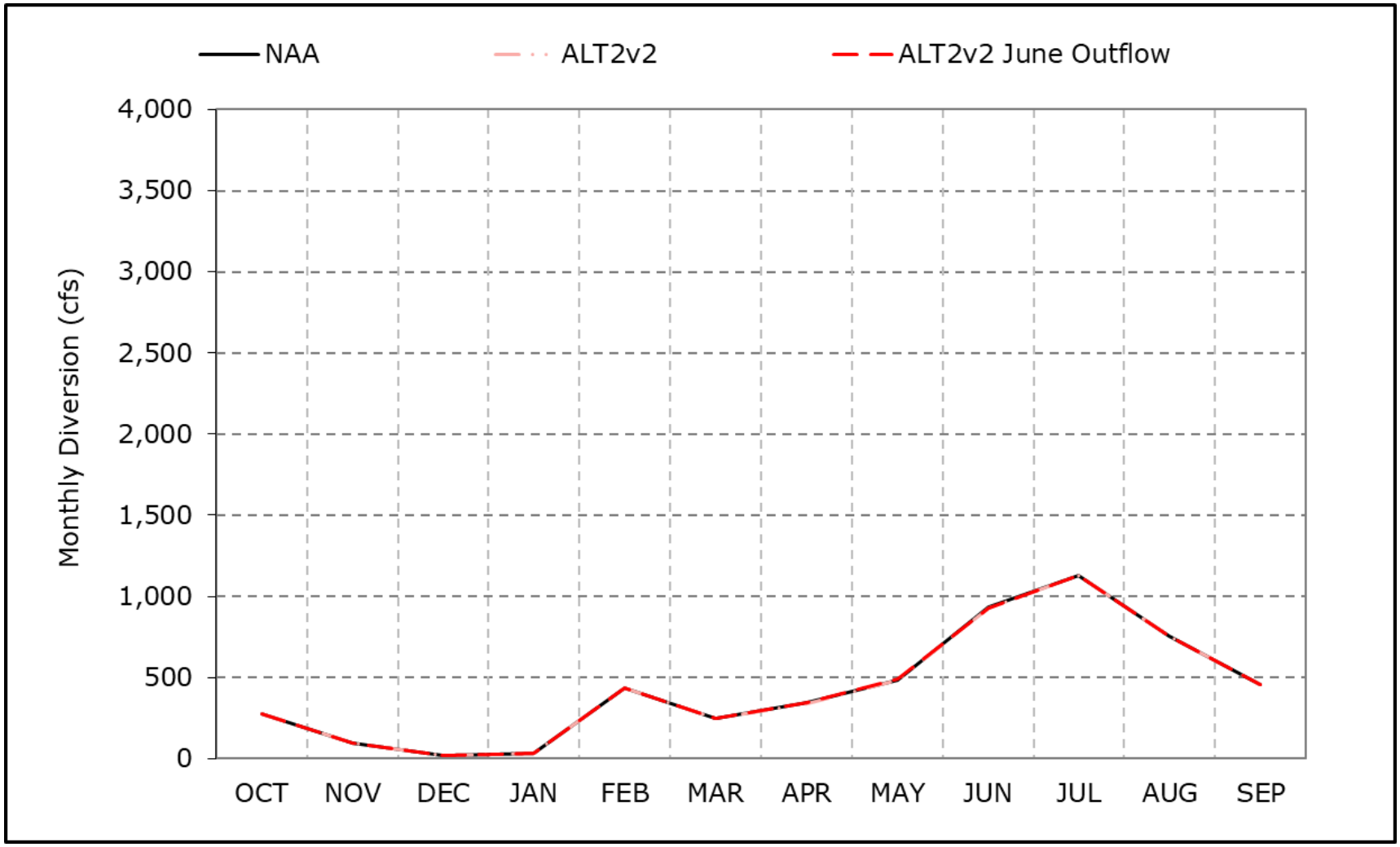
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-4. Friant-Kern Canal Diversion, Below Normal Year Average Diversion



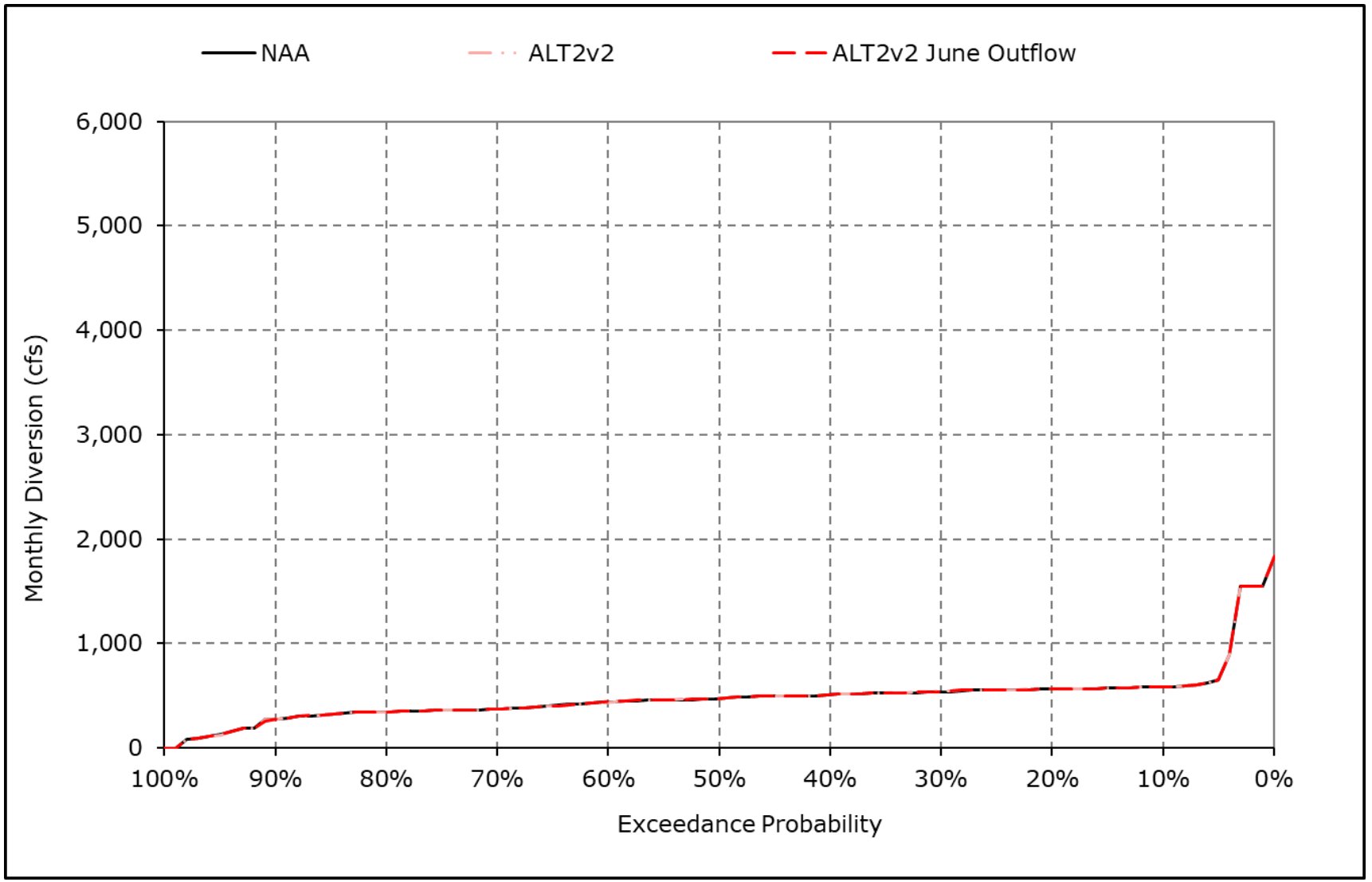
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-5. Friant-Kern Canal Diversion, Dry Year Average Diversion



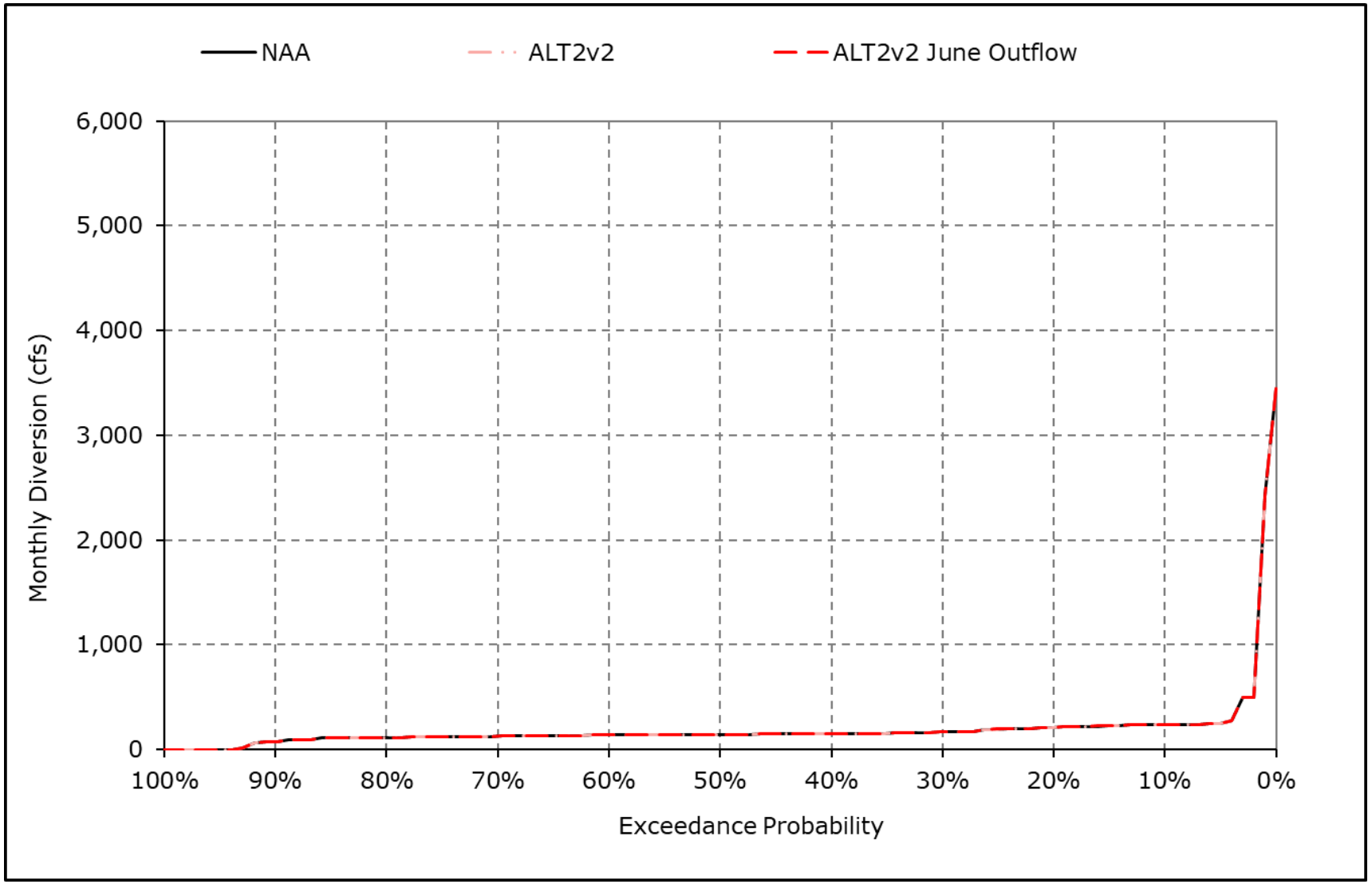
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-6. Friant-Kern Canal Diversion, Critical Year Average Diversion



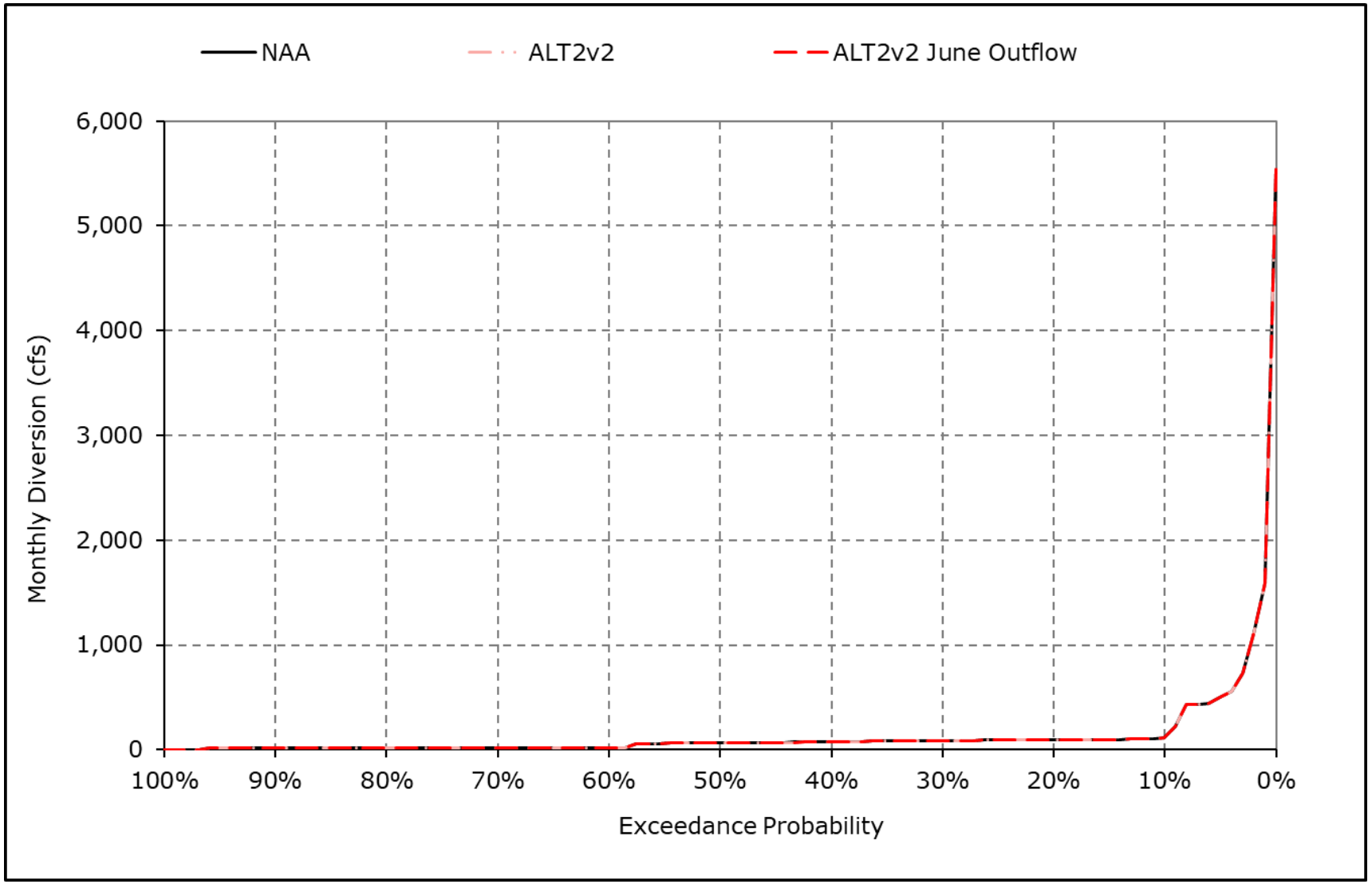
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-7. Friant-Kern Canal Diversion, October



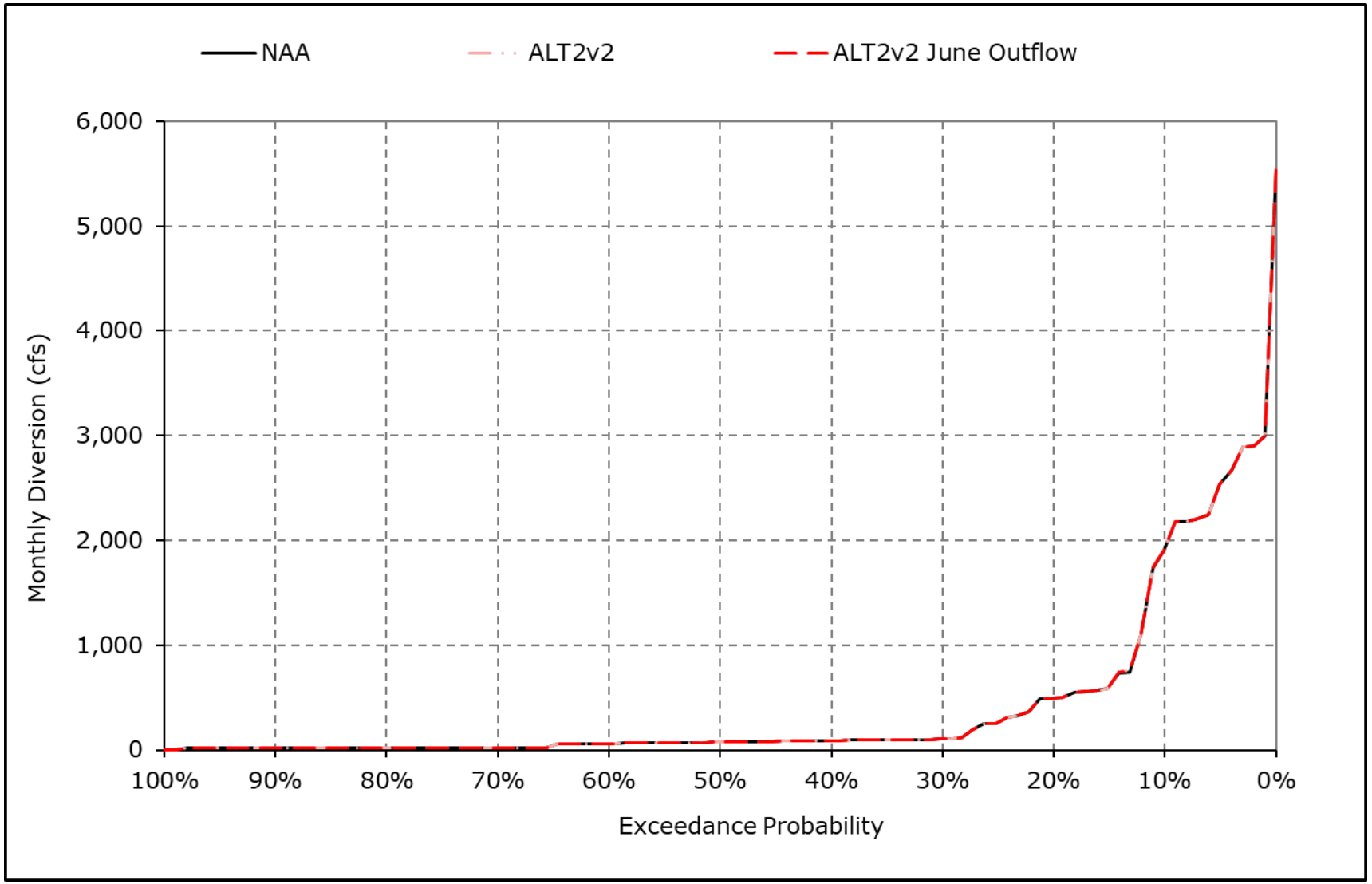
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-8. Friant-Kern Canal Diversion, November



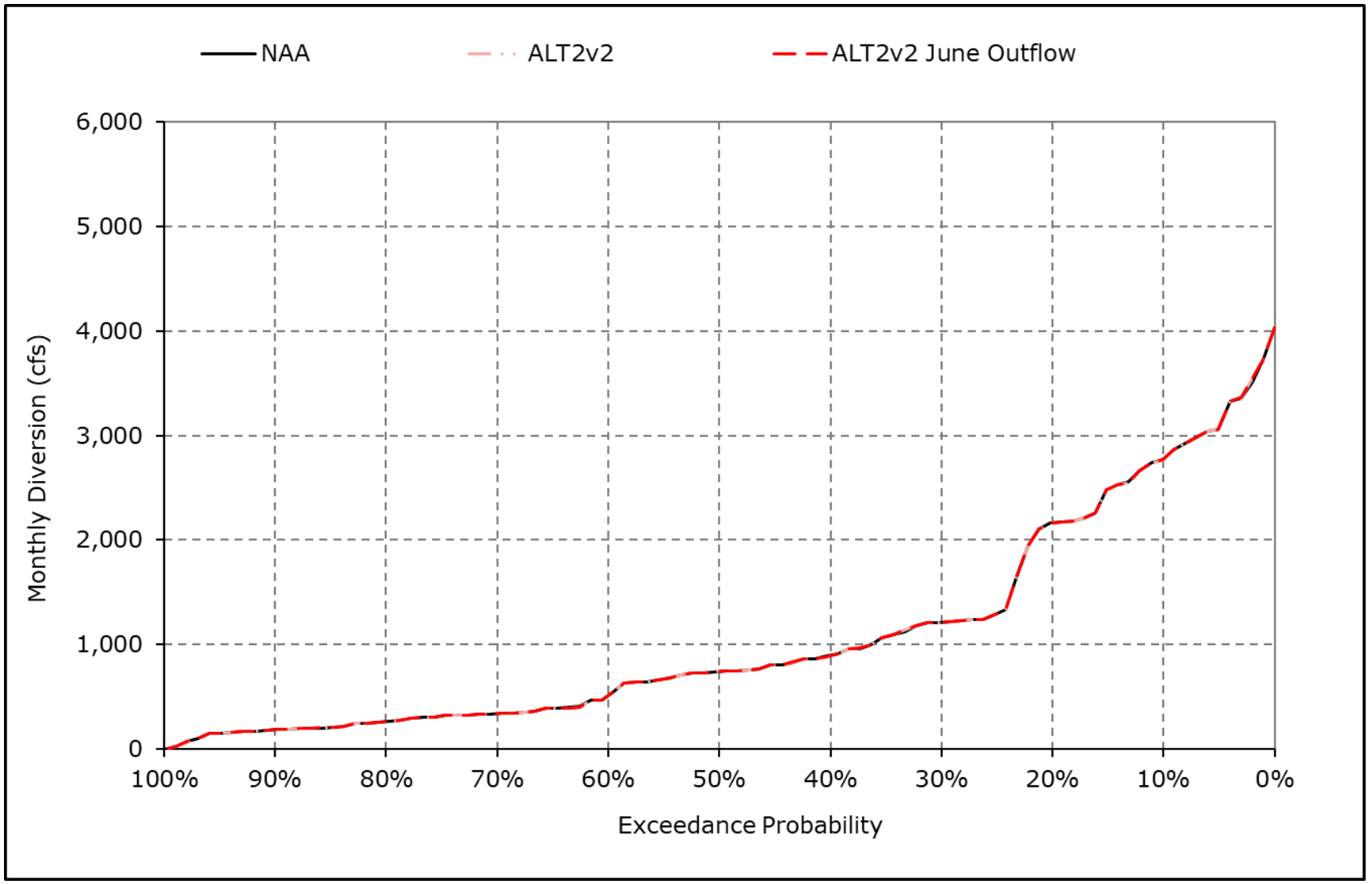
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-9. Friant-Kern Canal Diversion, December



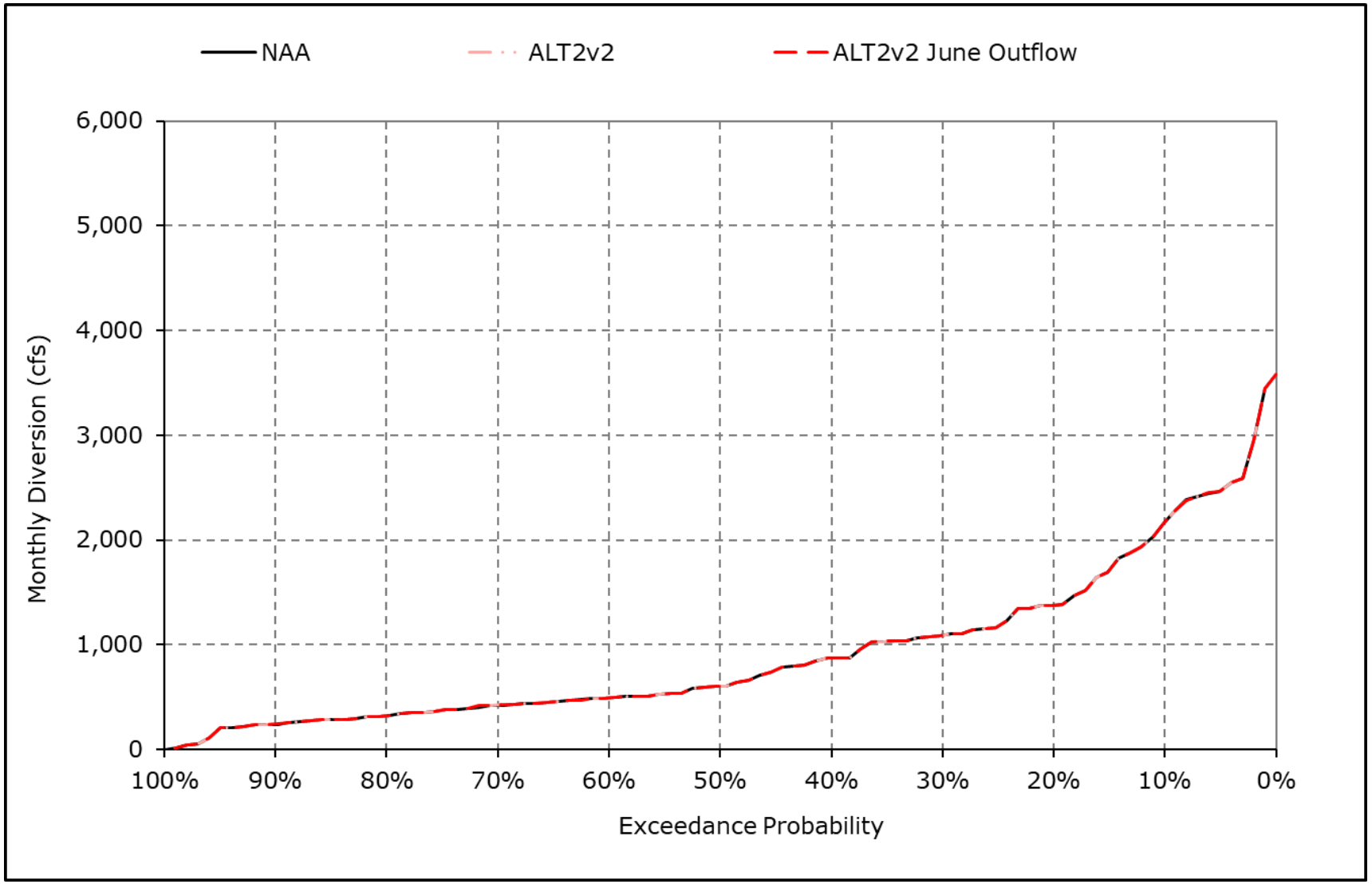
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-10. Friant-Kern Canal Diversion, January



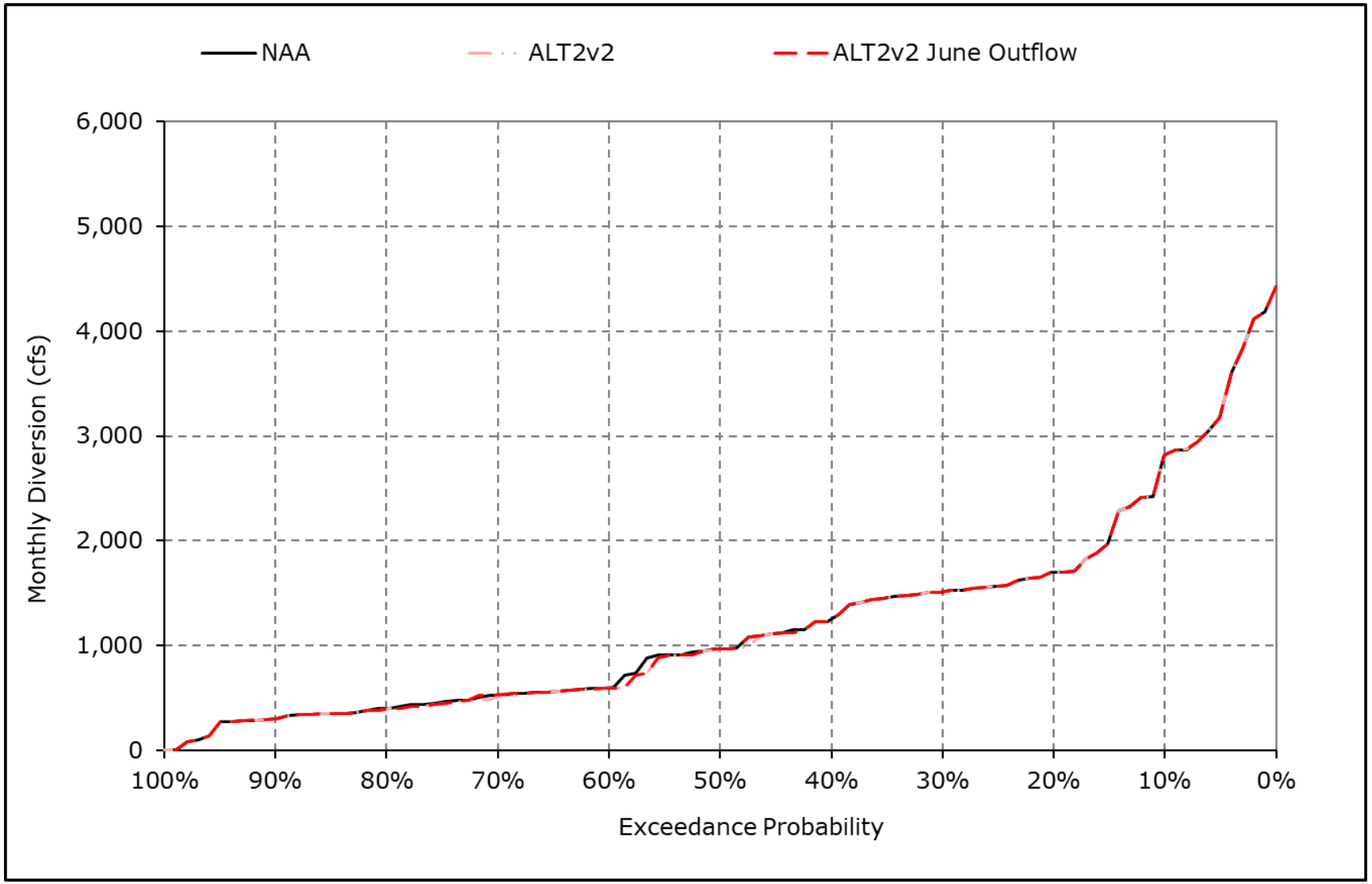
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-11. Friant-Kern Canal Diversion, February



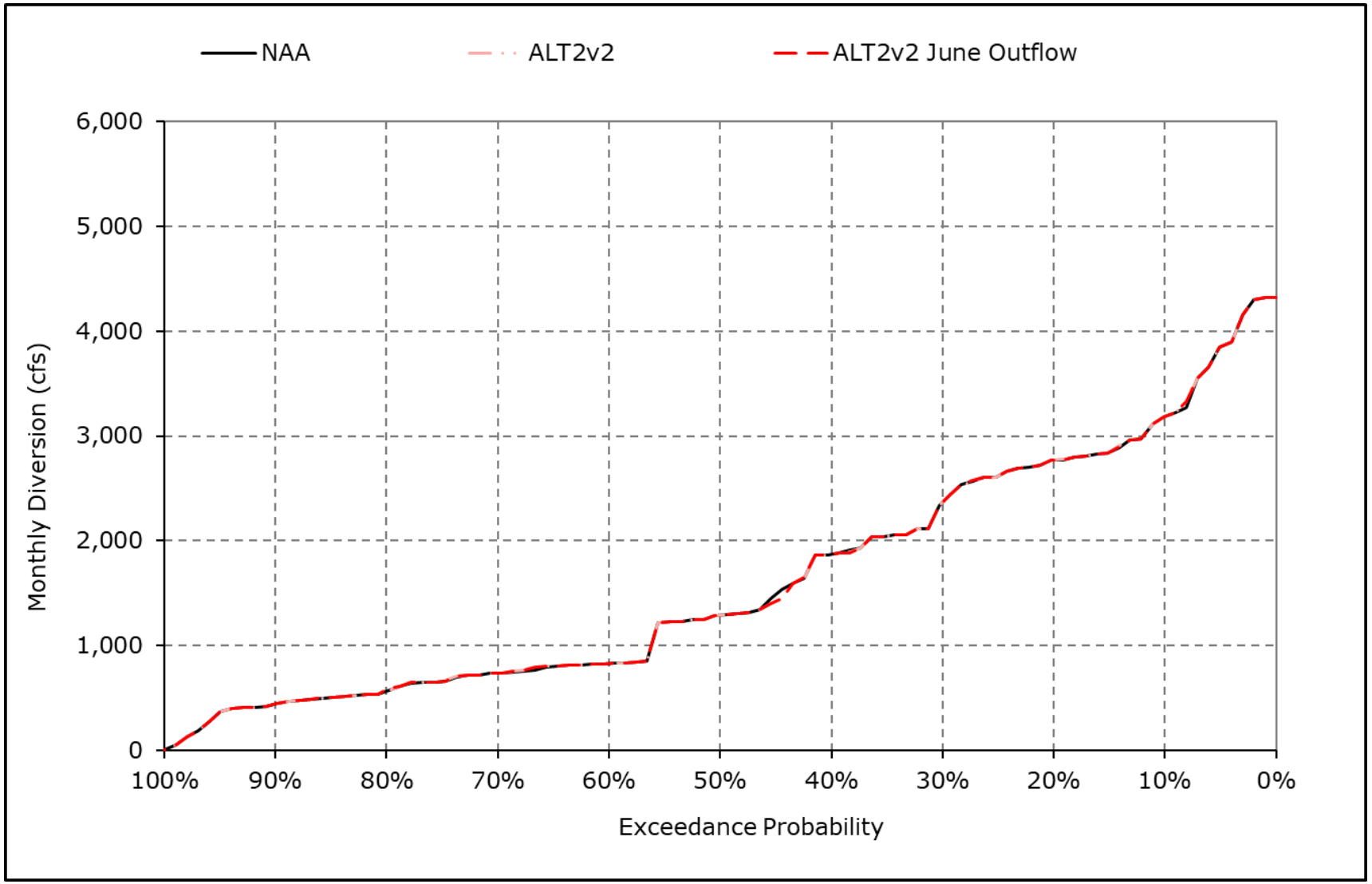
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-12. Friant-Kern Canal Diversion, March



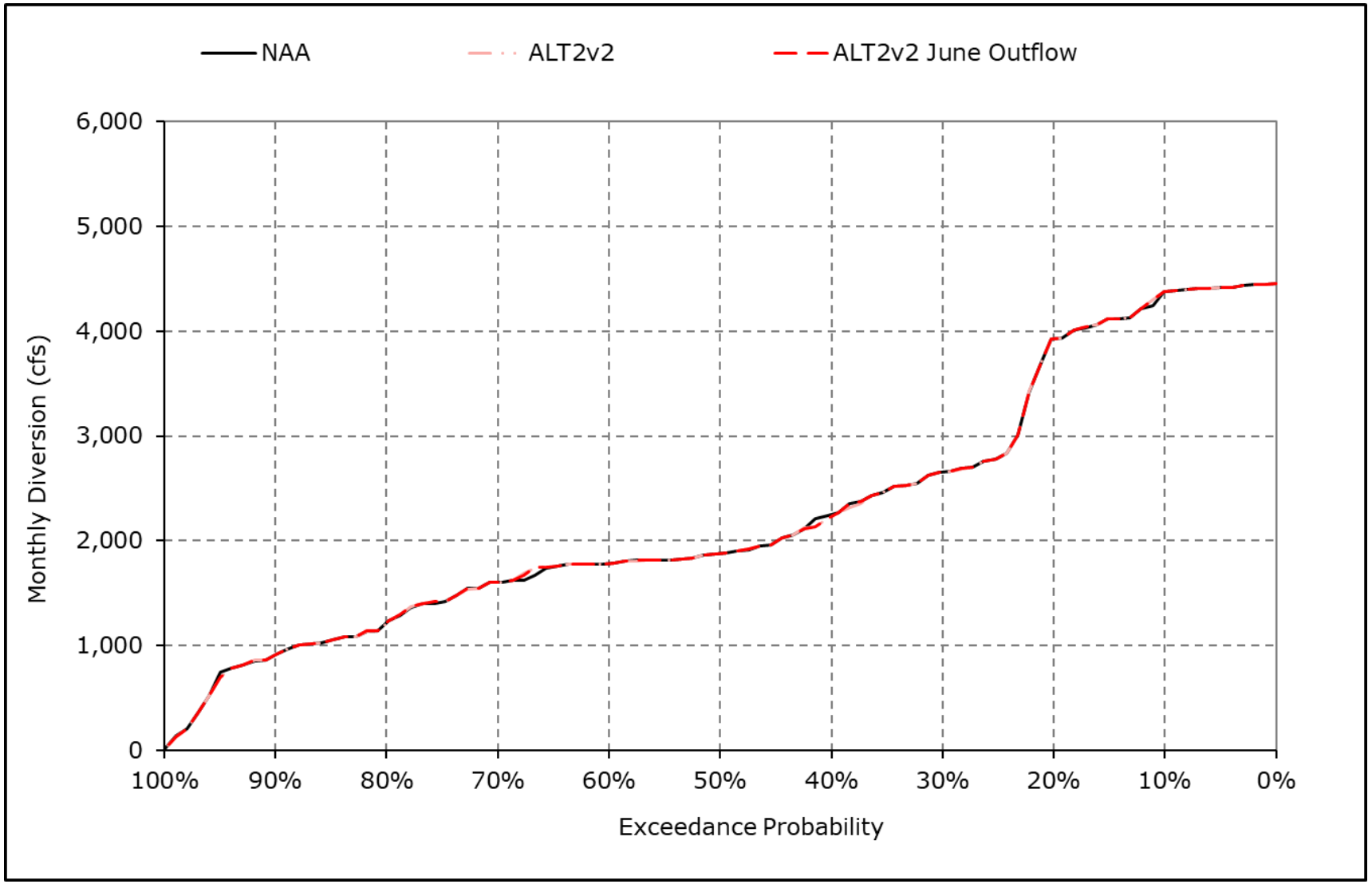
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-13. Friant-Kern Canal Diversion, April



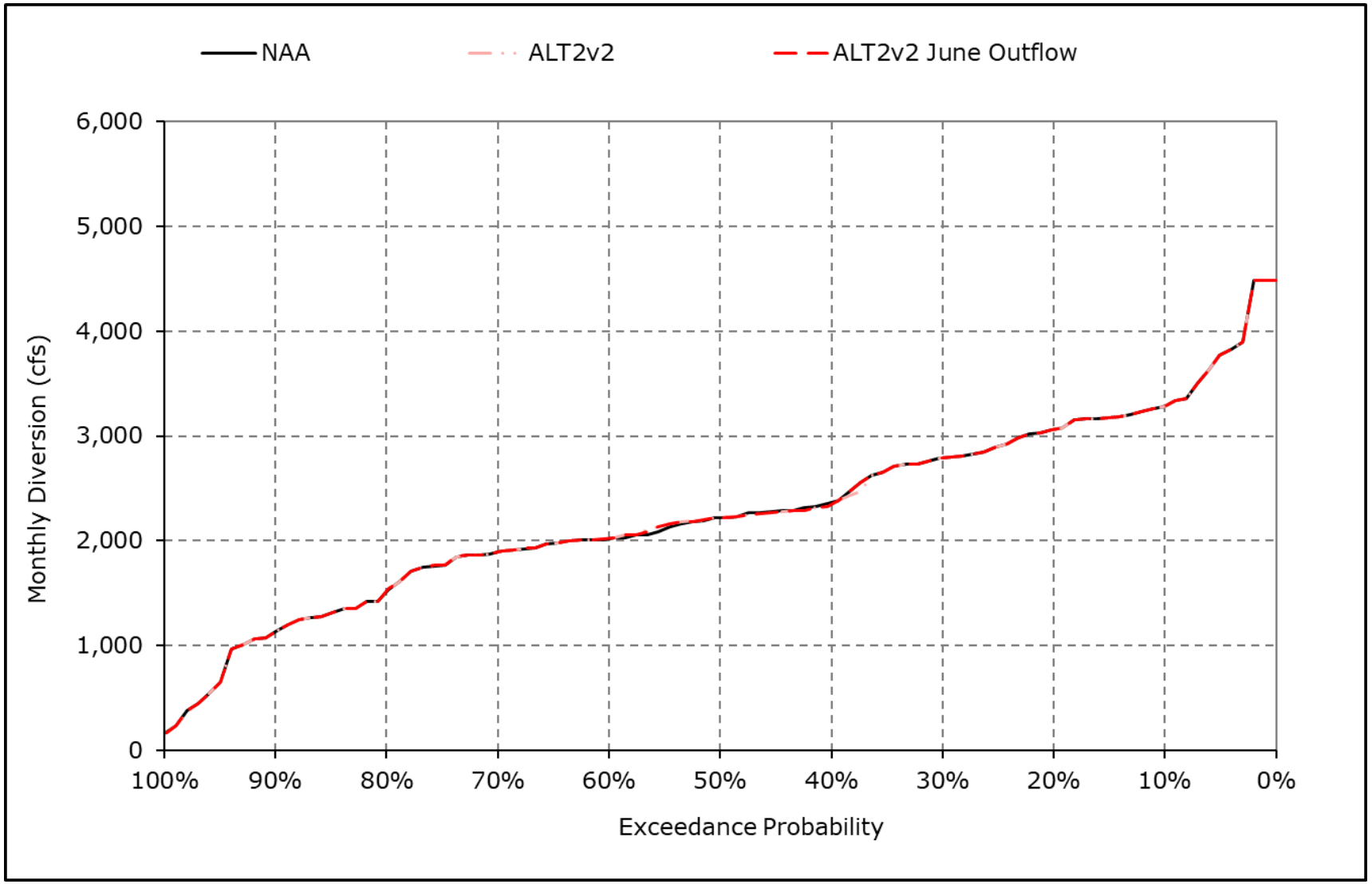
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-14. Friant-Kern Canal Diversion, May



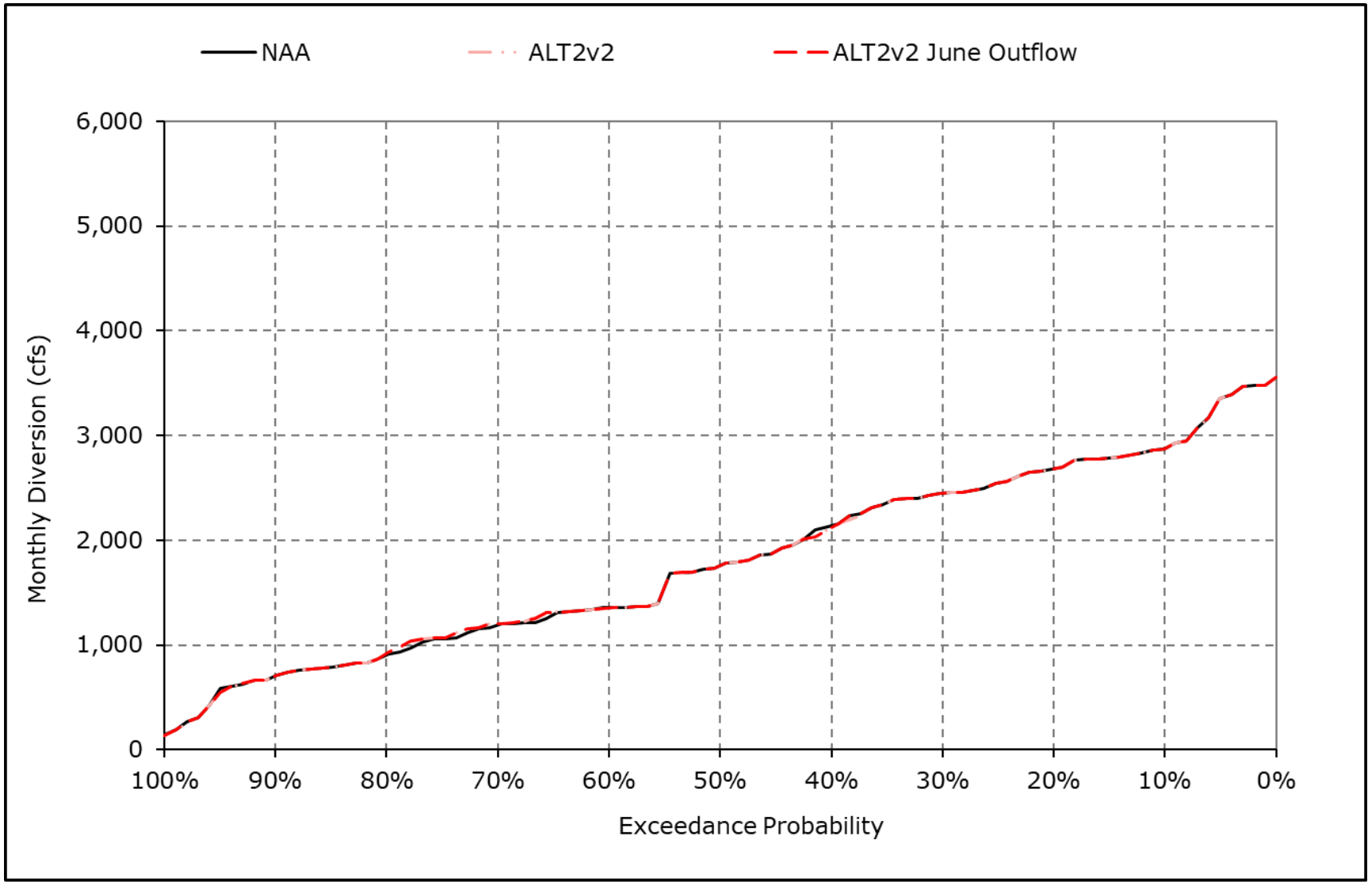
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-15. Friant-Kern Canal Diversion, June



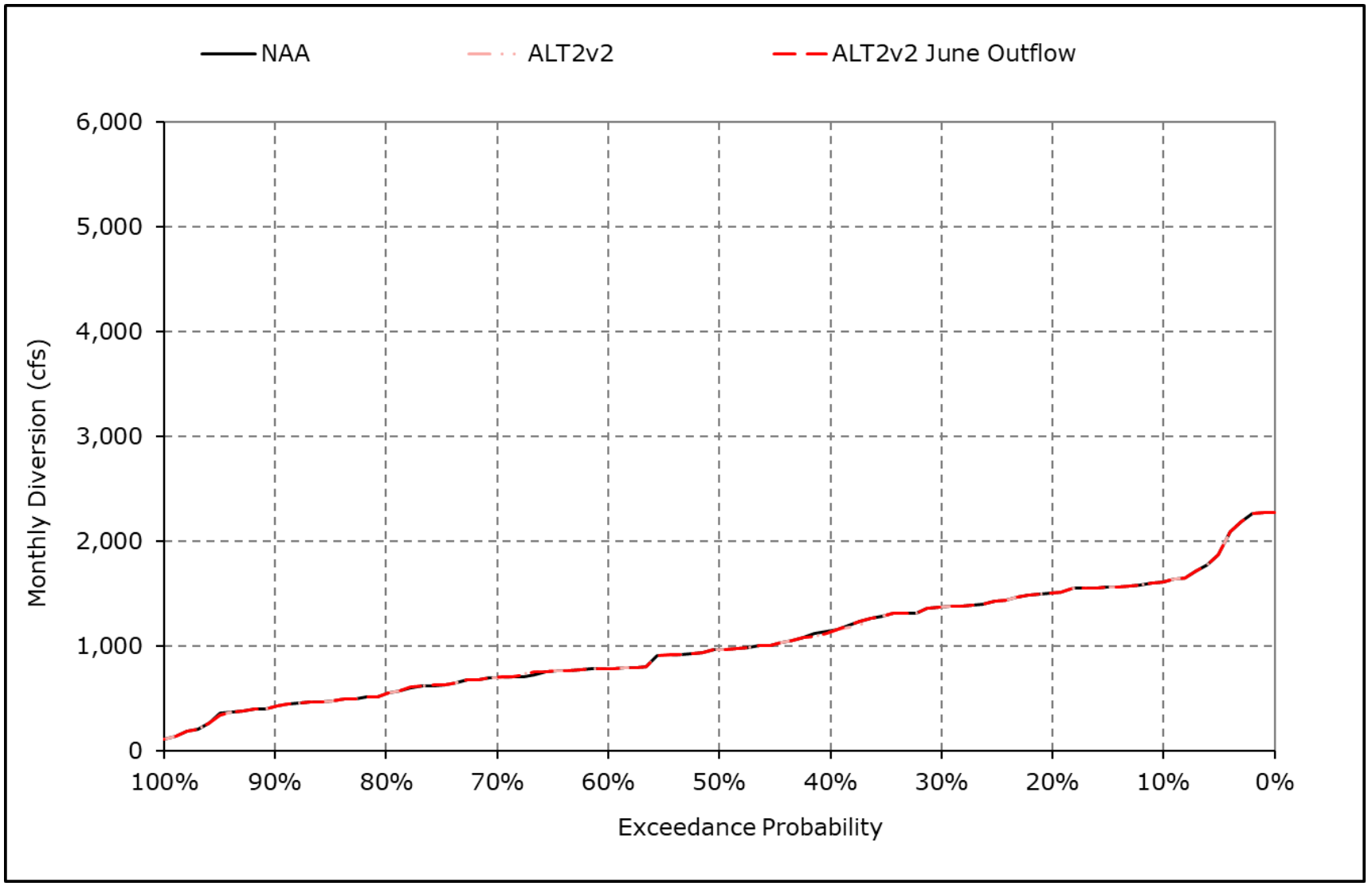
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-16. Friant-Kern Canal Diversion, July



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

Figure F.2.3-5-17. Friant-Kern Canal Diversion, August



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

Figure F.2.3-5-18. Friant-Kern Canal Diversion, September

Table F.2.3-6-1a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-1b. Madera Canal Diversion, ALT2v2, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	590	404	657	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,056	1,103	880	321
30% Exceedance	0	0	0	0	76	182	109	475	961	1,023	827	174
40% Exceedance	0	0	0	0	16	111	0	336	775	927	651	129
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	702	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	73
80% Exceedance	0	0	0	0	0	0	0	139	392	479	332	58
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	111	137	173	412	710	786	591	171
Wet Water Years (28%)	42	11	59	151	225	327	466	779	1,039	1,069	869	303
Above Normal Water Years (14%)	20	6	0	35	147	148	193	466	848	941	719	192
Below Normal Water Years (18%)	4	1	0	14	108	100	58	332	682	793	528	153
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	316	366	278	69

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

Table F.2.3-6-1c. Madera Canal Diversion, ALT2v2 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	2	0	-2	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	3	0	0	0
30% Exceedance	0	0	0	0	5	0	0	-2	0	-3	0	-21
40% Exceedance	0	0	0	0	-1	0	0	0	-9	-9	-7	-1
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	-1	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	21	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	-1	0	0	-1	-1	0	-1
Wet Water Years (28%)	0	0	0	0	1	0	0	-1	-2	-2	-2	0
Above Normal Water Years (14%)	0	0	0	0	23	-10	0	-2	1	0	0	0
Below Normal Water Years (18%)	0	0	0	0	2	0	0	1	-1	-1	-1	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	-1	-1	2	-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.2.3-6-2a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-2b. Madera Canal Diversion, ALT2v2 June Outflow, Monthly Diversion (cfs)

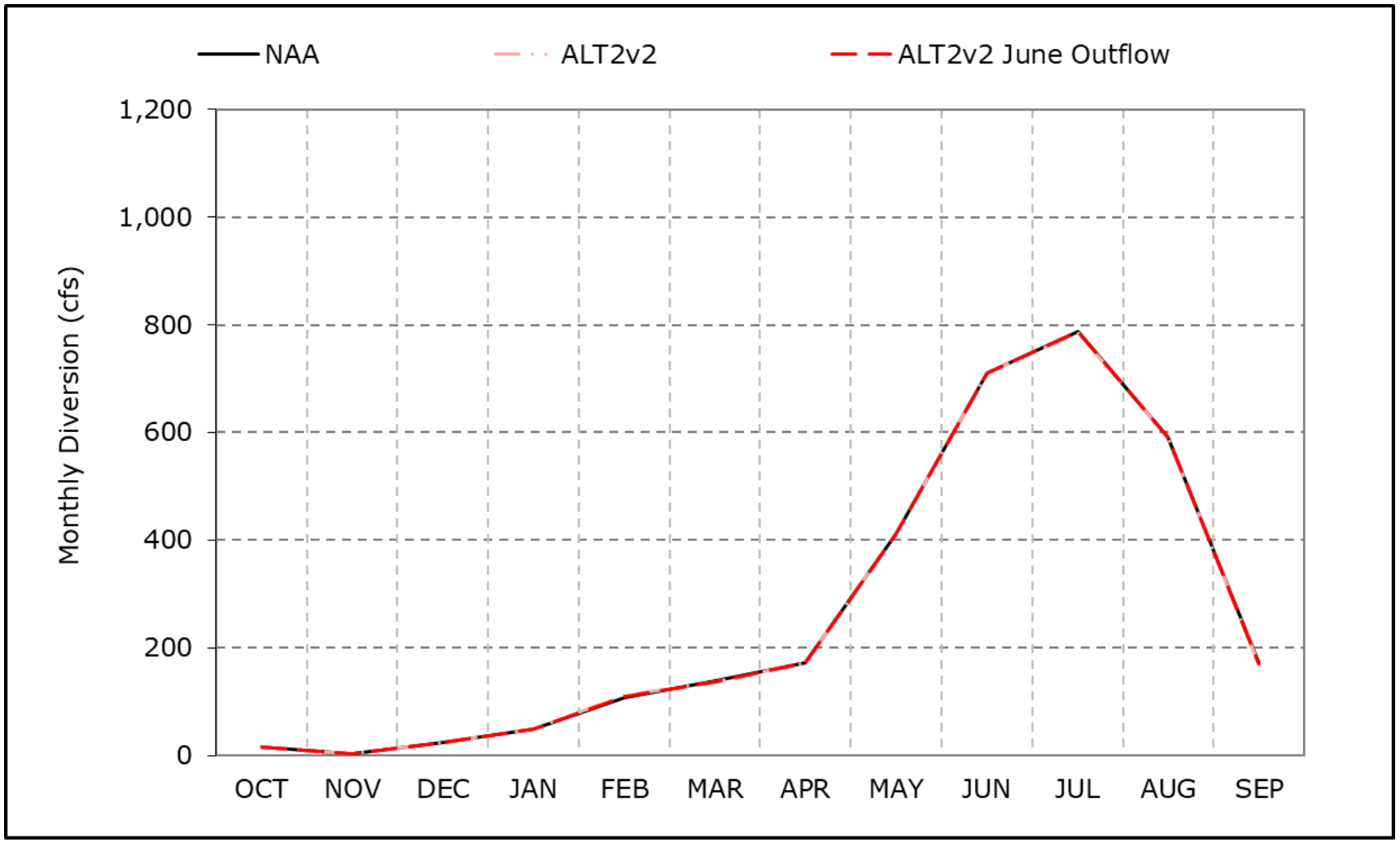
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	590	404	660	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,054	1,103	881	321
30% Exceedance	0	0	0	0	76	183	109	479	961	1,026	827	172
40% Exceedance	0	0	0	0	17	111	0	337	775	927	651	129
50% Exceedance	0	0	0	0	0	5	0	216	642	781	521	94
60% Exceedance	0	0	0	0	0	0	0	197	578	703	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	625	428	73
80% Exceedance	0	0	0	0	0	0	0	141	393	480	333	58
90% Exceedance	0	0	0	0	0	0	0	113	300	348	229	40
Full Simulation Period Average[a]	16	4	25	50	111	136	173	412	711	787	591	171
Wet Water Years (28%)	42	11	59	151	225	321	466	779	1,039	1,069	869	303
Above Normal Water Years (14%)	20	6	0	35	147	148	193	466	848	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	99	58	332	685	797	531	153
Dry Water Years (24%)	2	0	34	0	28	26	21	212	531	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	316	367	279	69

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

Table F.2.3-6-2c. Madera Canal Diversion, ALT2v2 June Outflow minus No Action Alternative, Monthly Diversion (cfs)

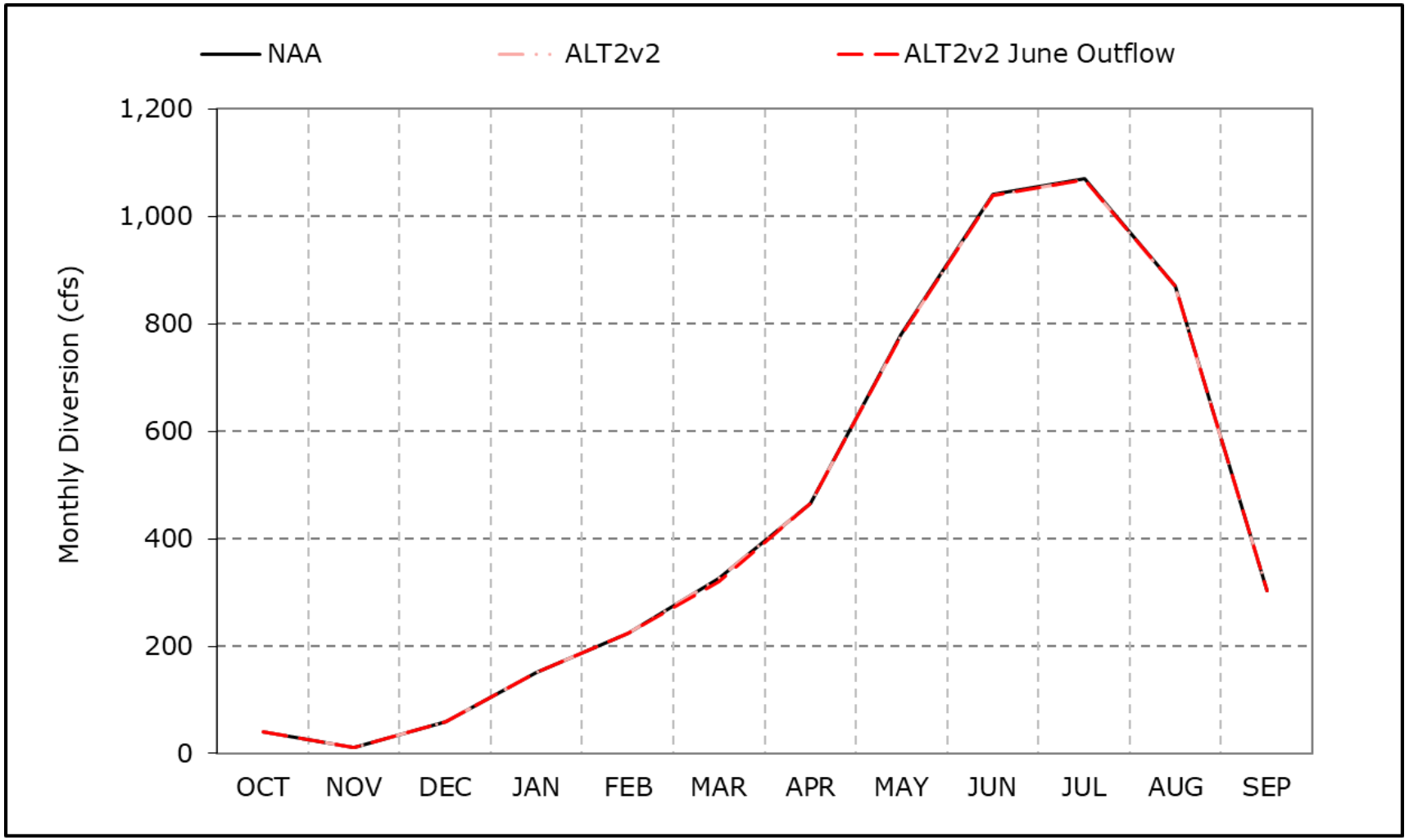
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	2	0	1	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	1	0	0	0
30% Exceedance	0	0	0	0	5	0	0	1	0	0	0	-23
40% Exceedance	0	0	0	0	0	0	0	0	-9	-9	-7	-1
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	-1	0
70%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



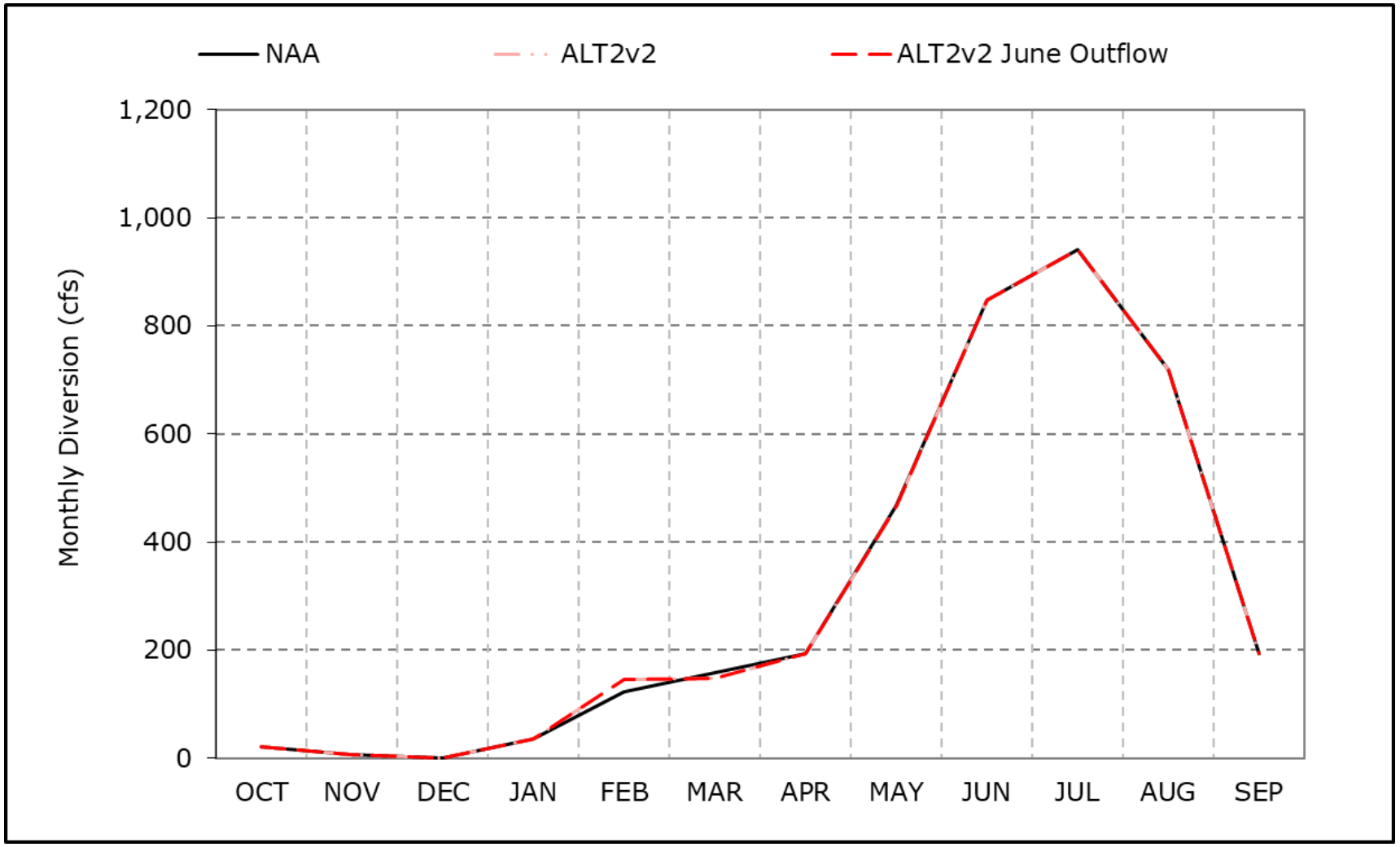
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-1. Madera Canal Diversion, Long-Term Average Diversion



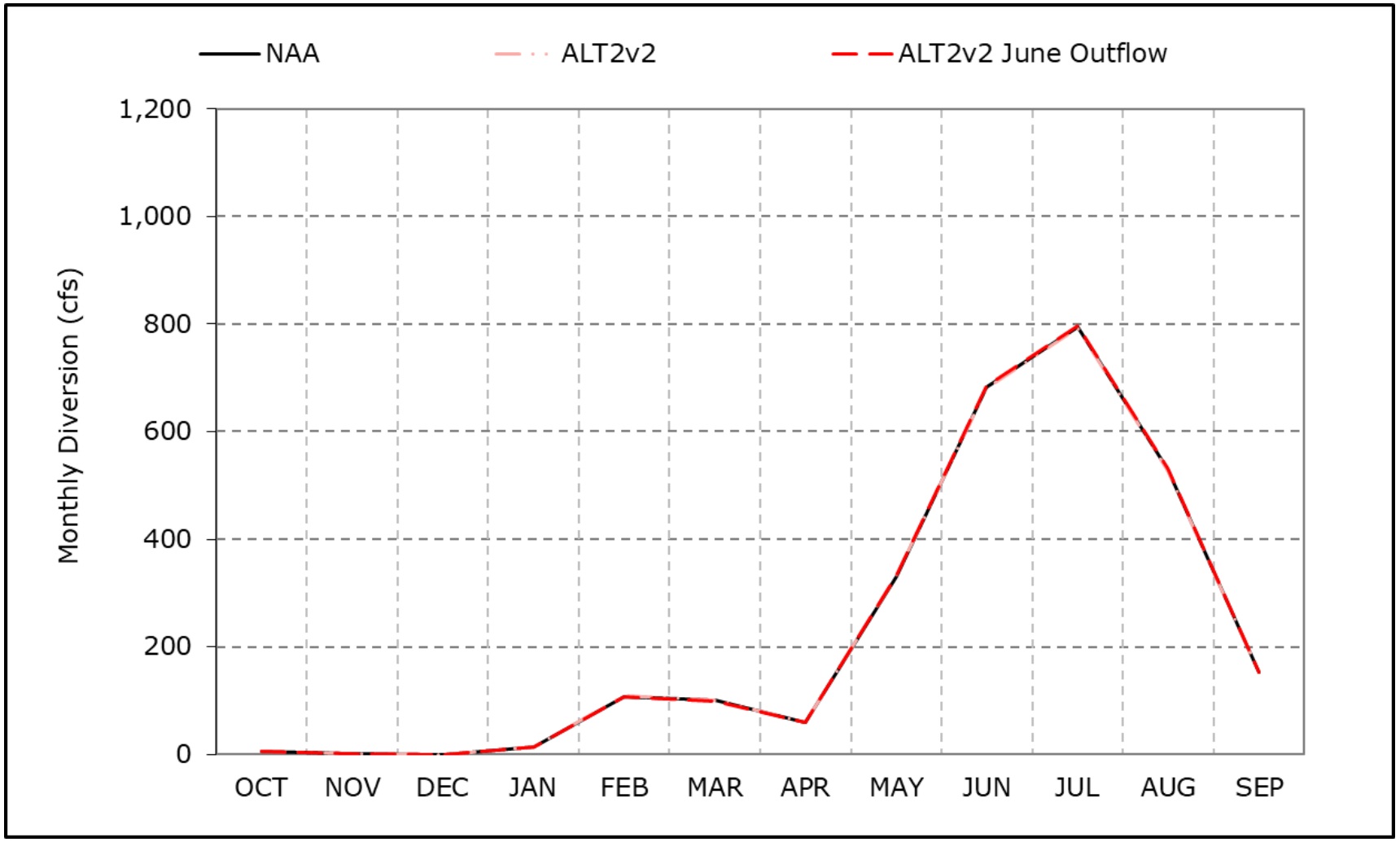
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-2. Madera Canal Diversion, Wet Year Average Diversion



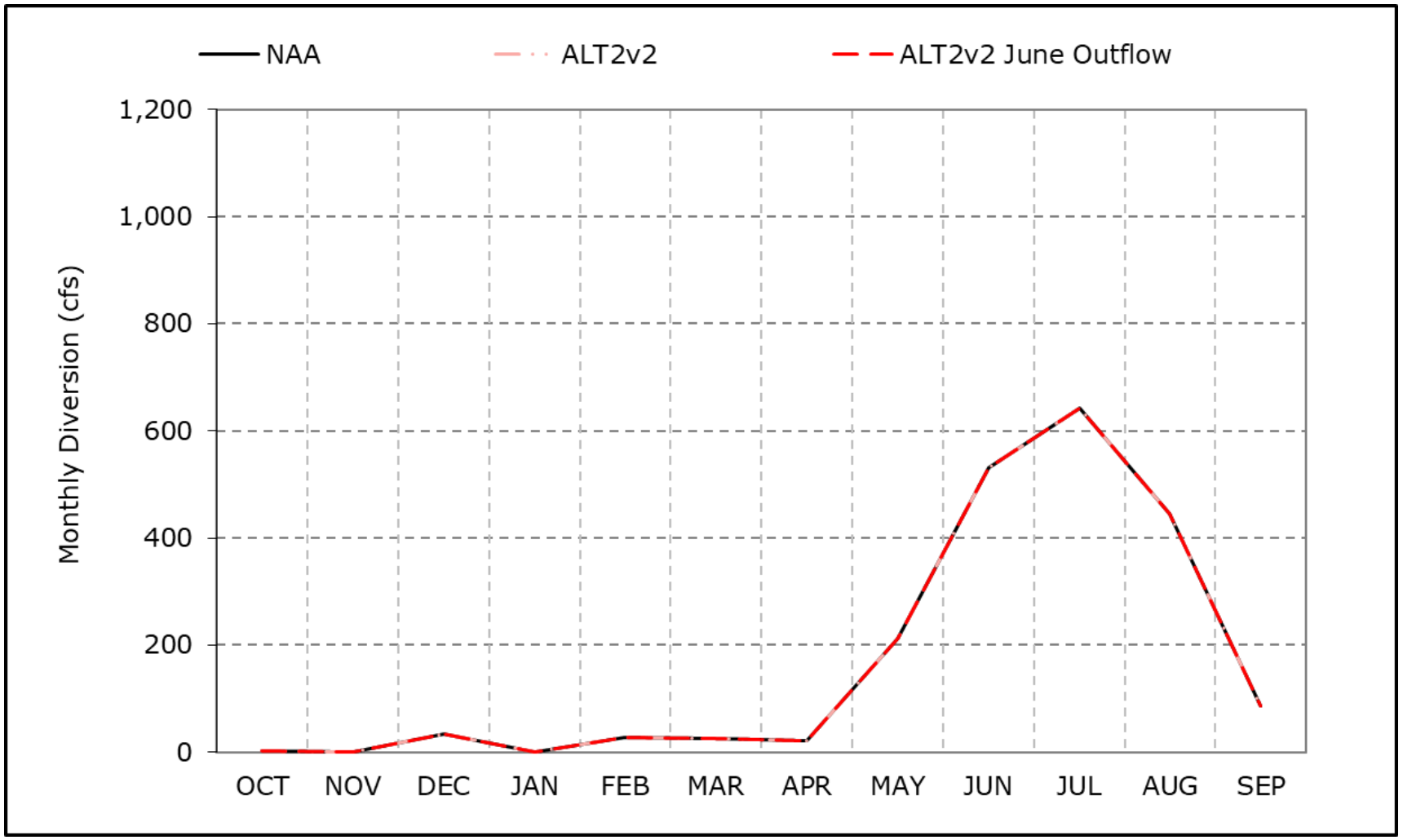
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-3. Madera Canal Diversion, Above Normal Year Average Diversion



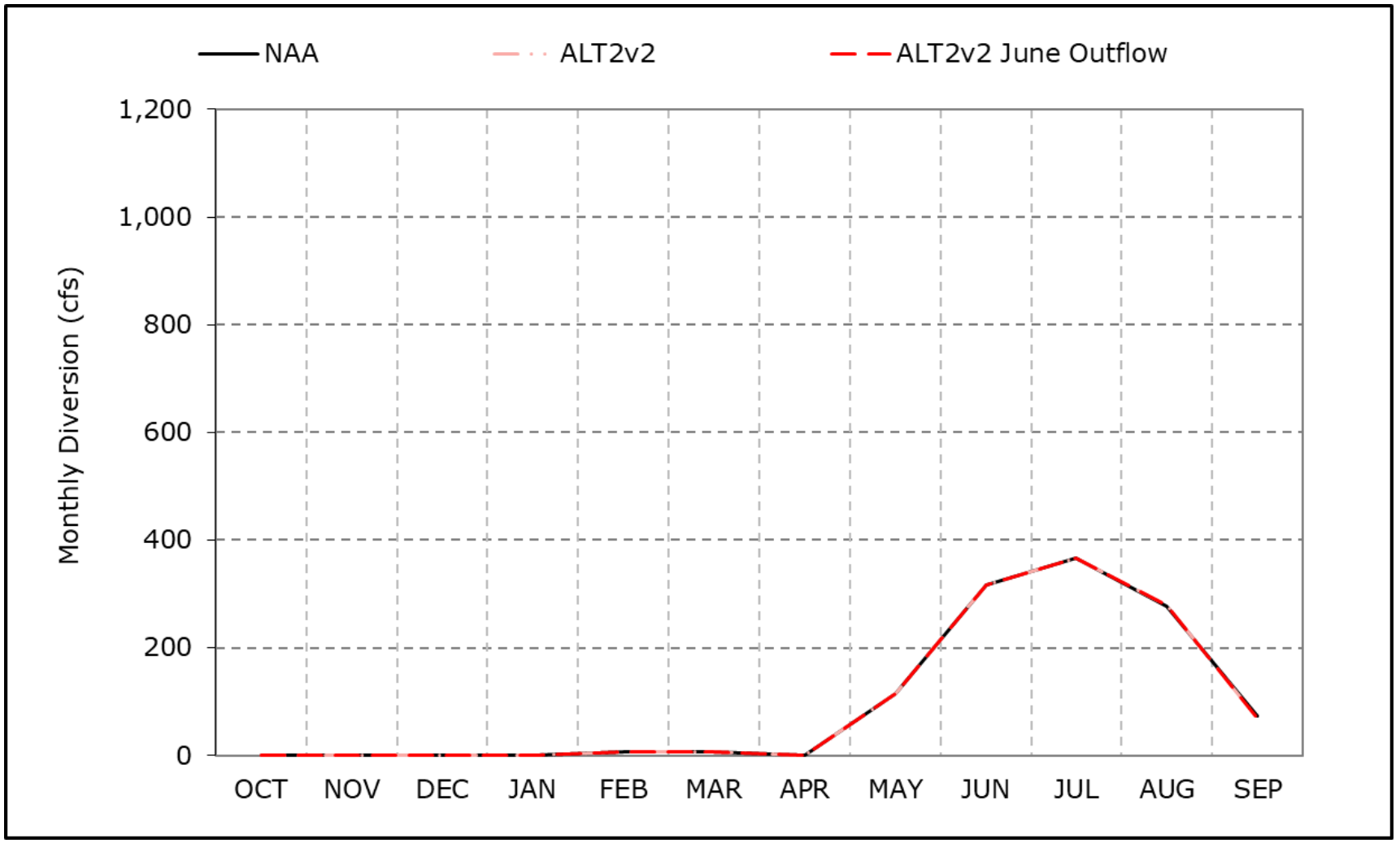
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-4. Madera Canal Diversion, Below Normal Year Average Diversion



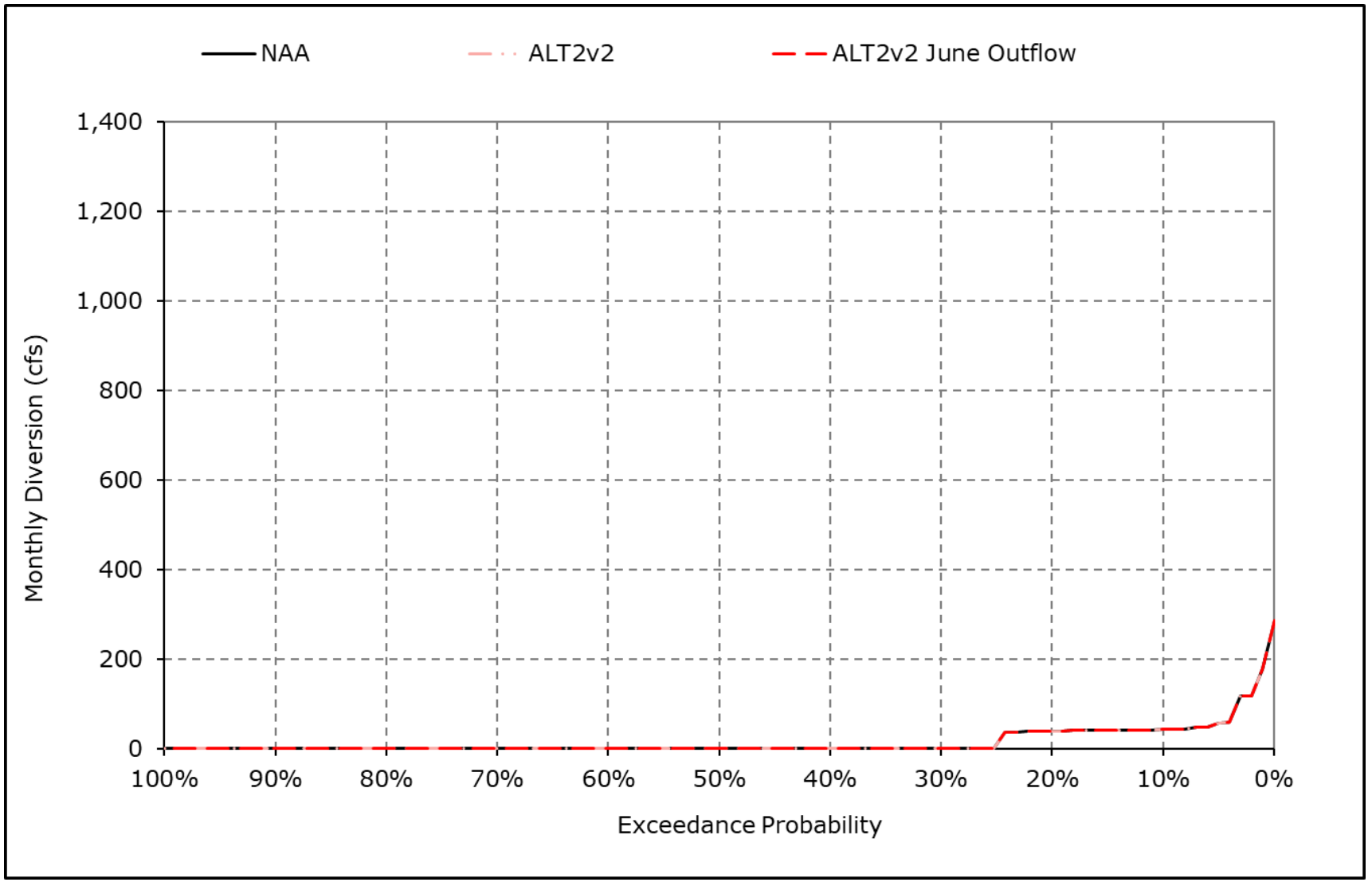
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-5. Madera Canal Diversion, Dry Year Average Diversion



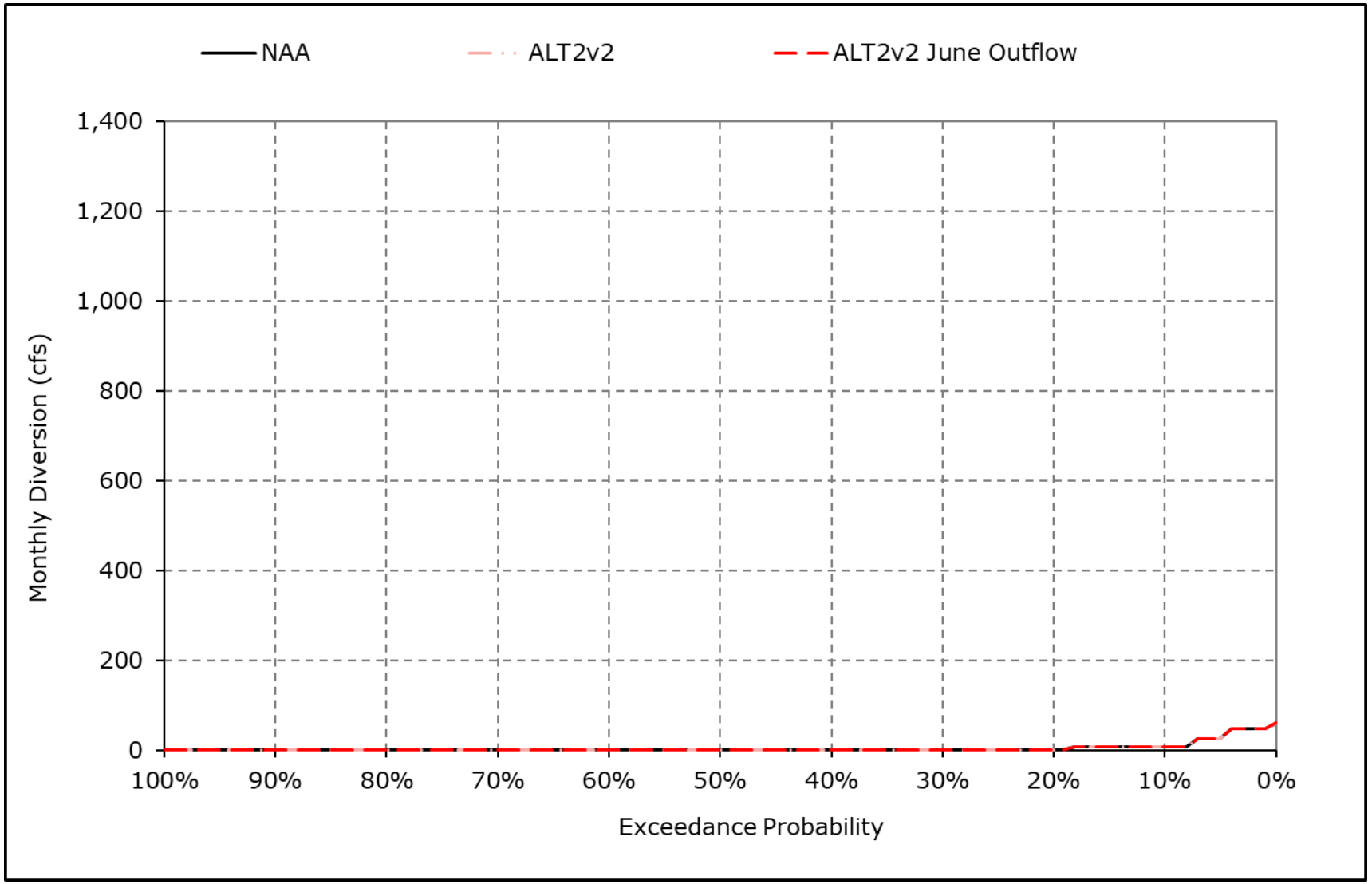
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-6. Madera Canal Diversion, Critical Year Average Diversion



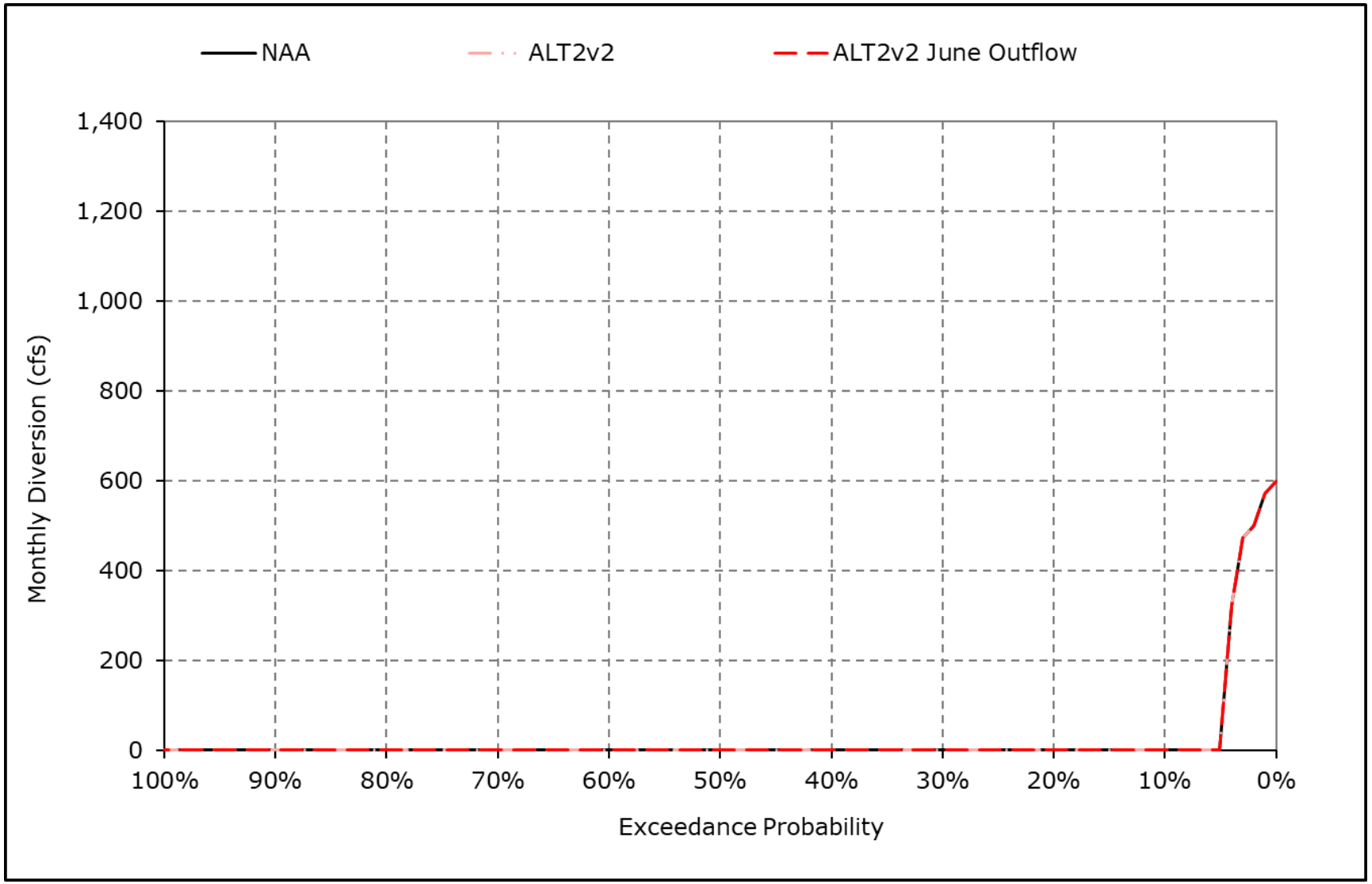
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-7. Madera Canal Diversion, October



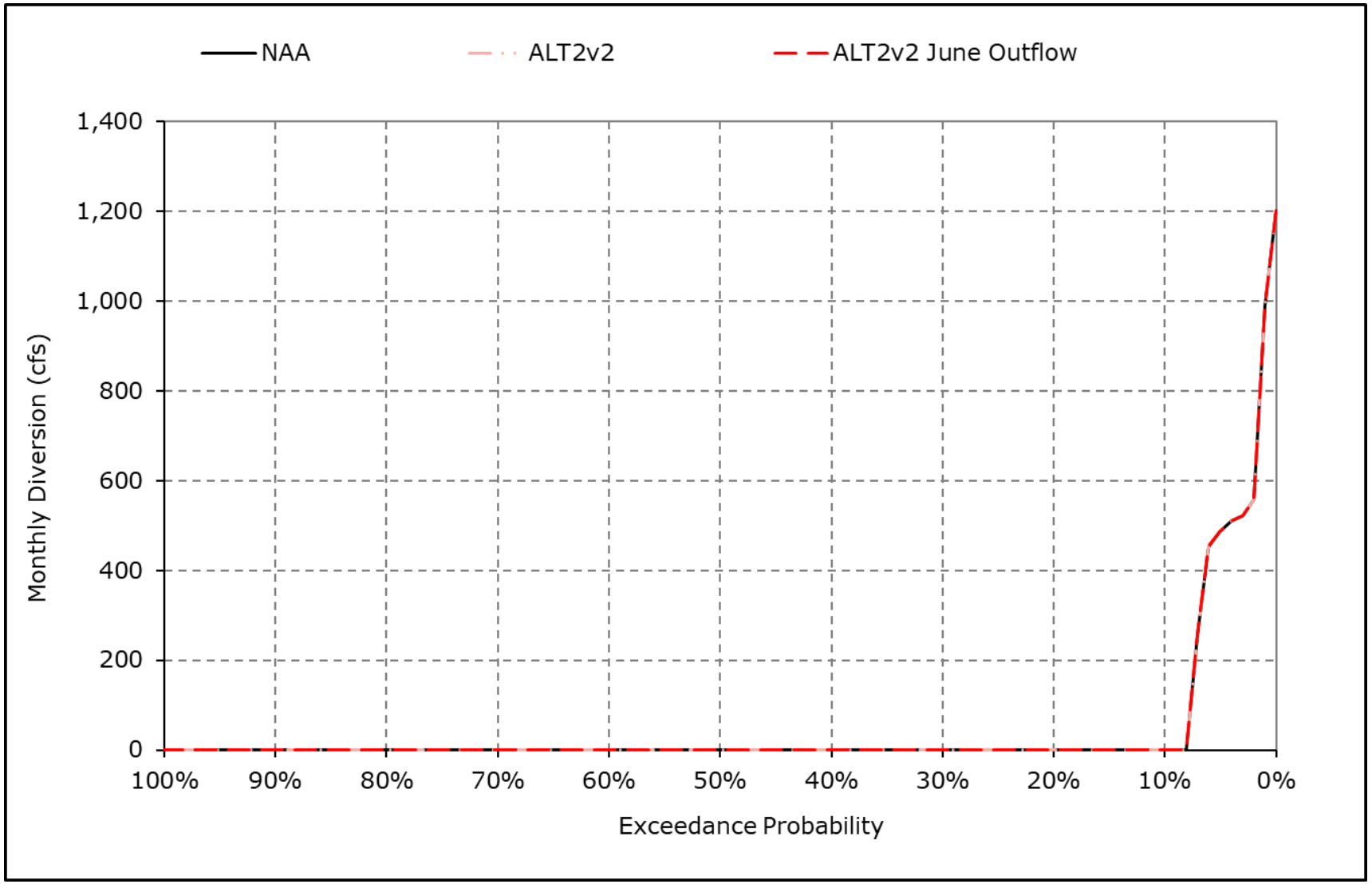
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-8. Madera Canal Diversion, November



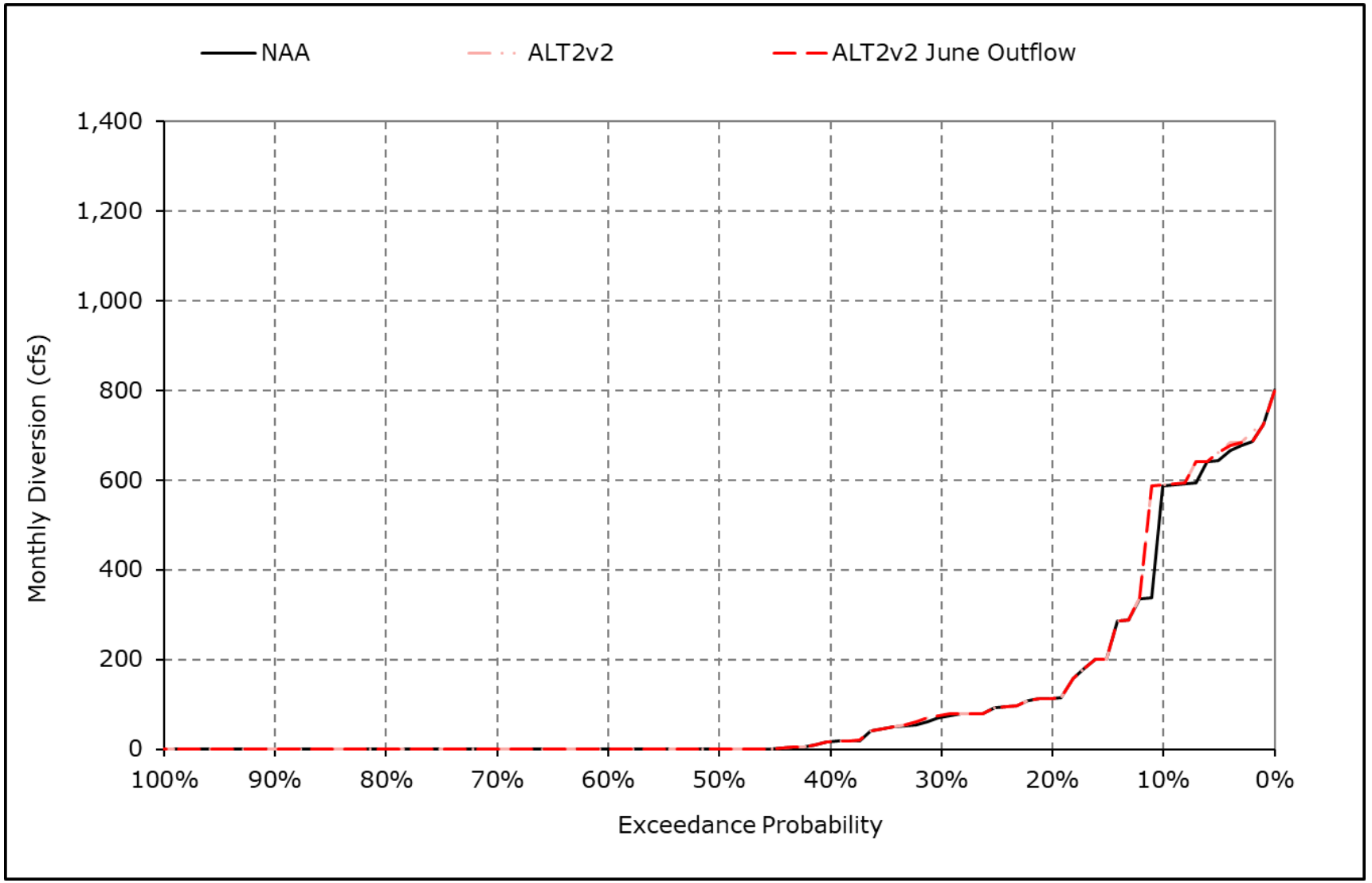
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-9. Madera Canal Diversion, December



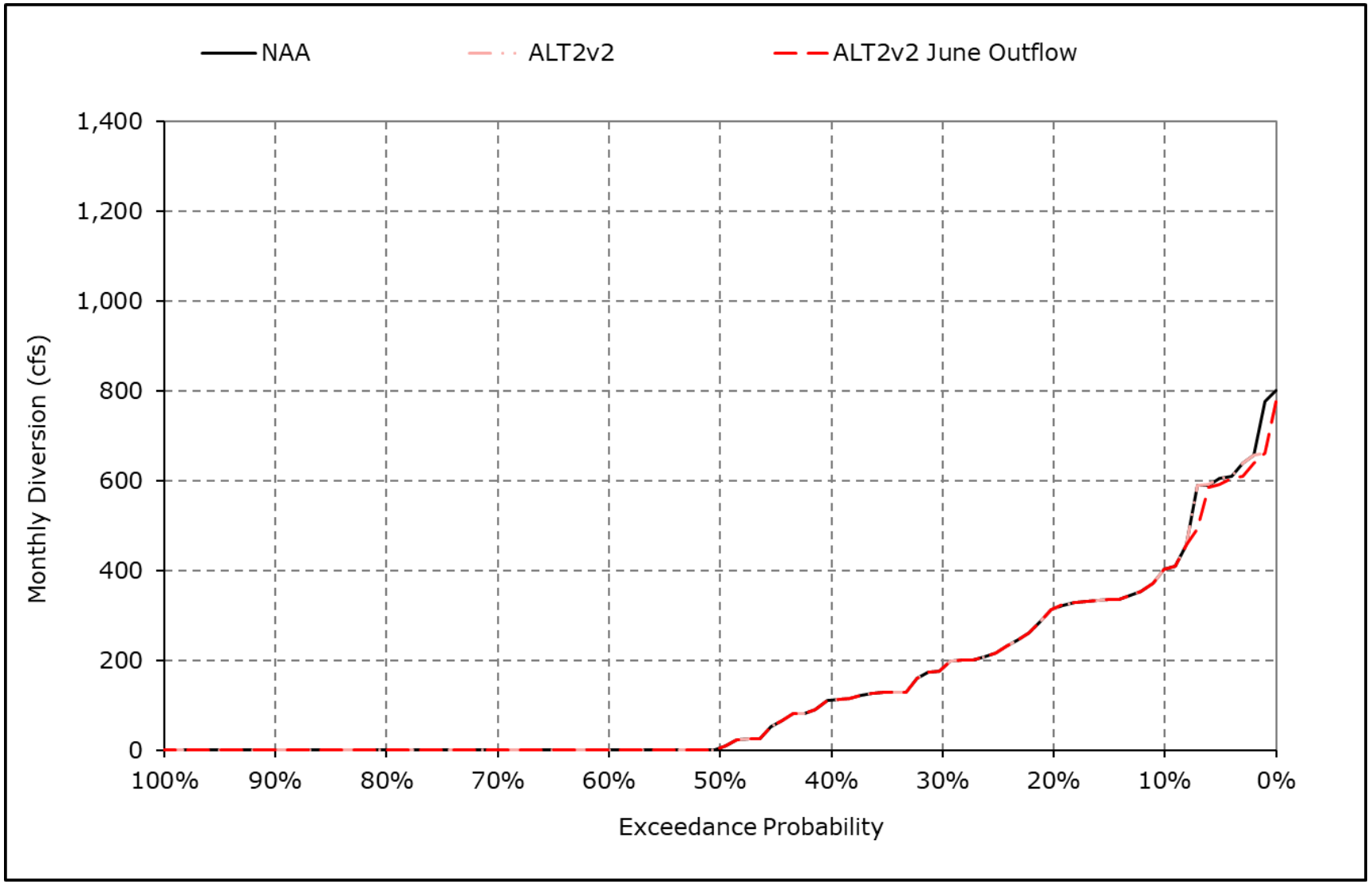
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-10. Madera Canal Diversion, January



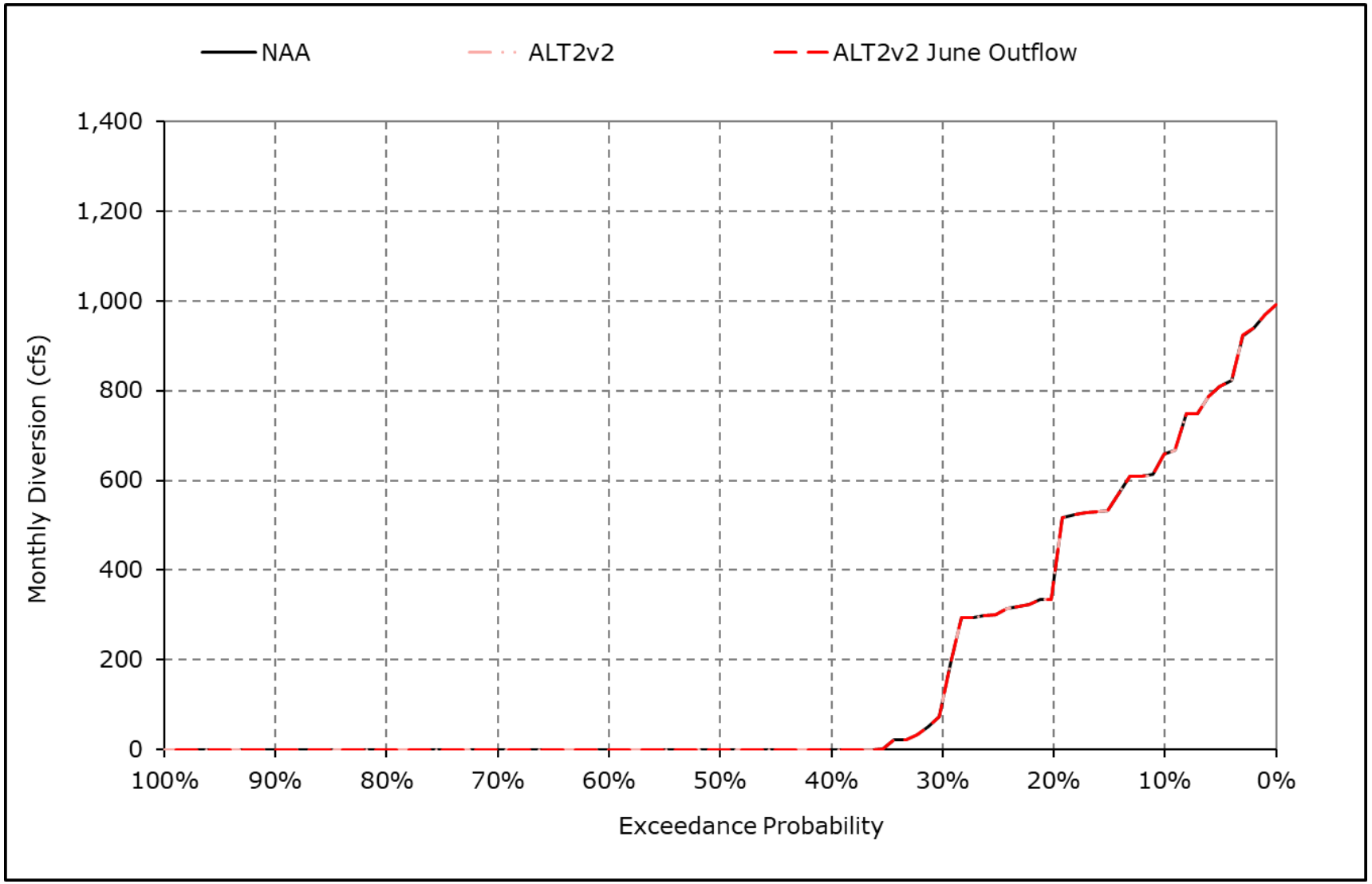
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-11. Madera Canal Diversion, February



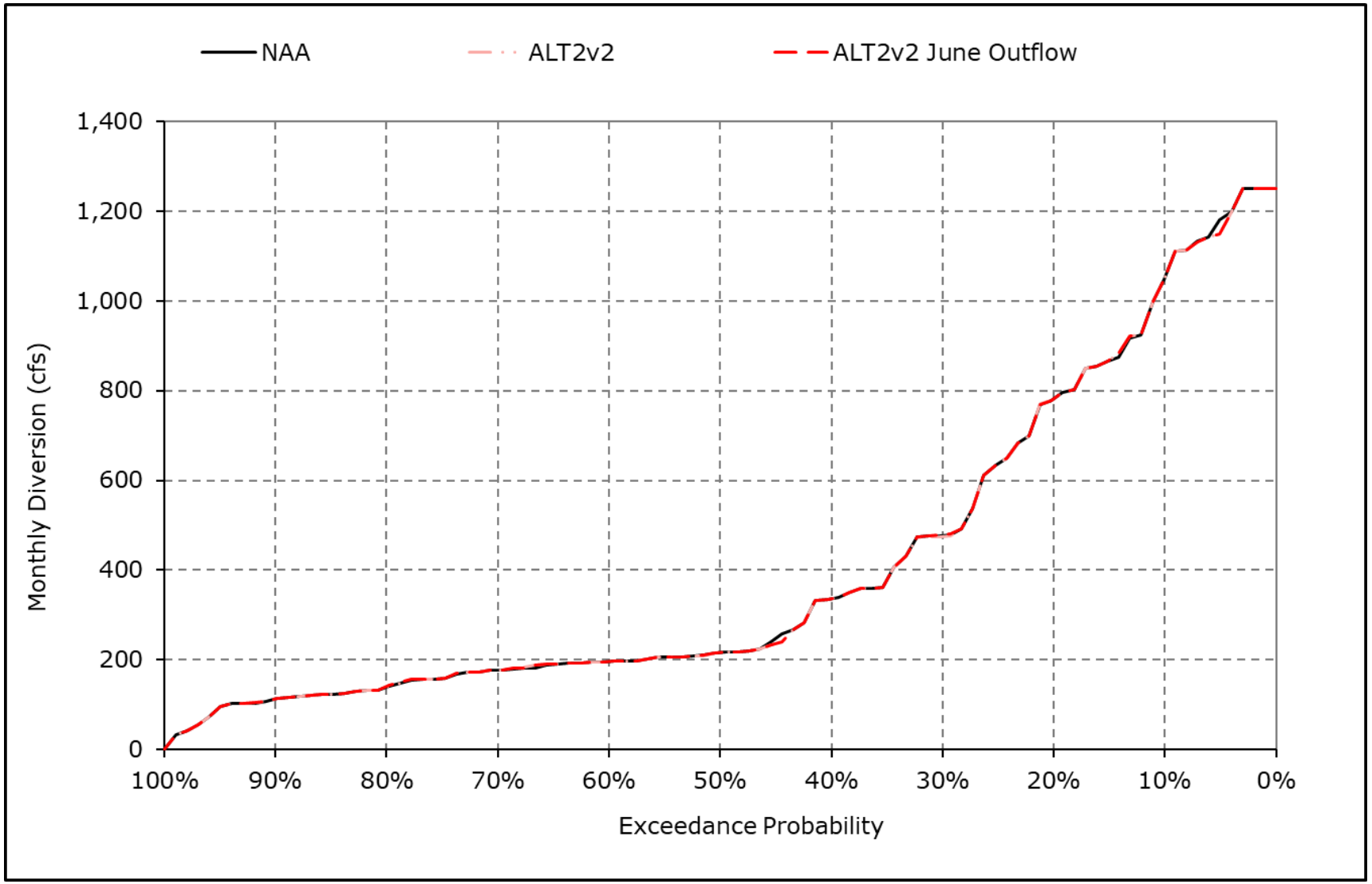
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-12. Madera Canal Diversion, March



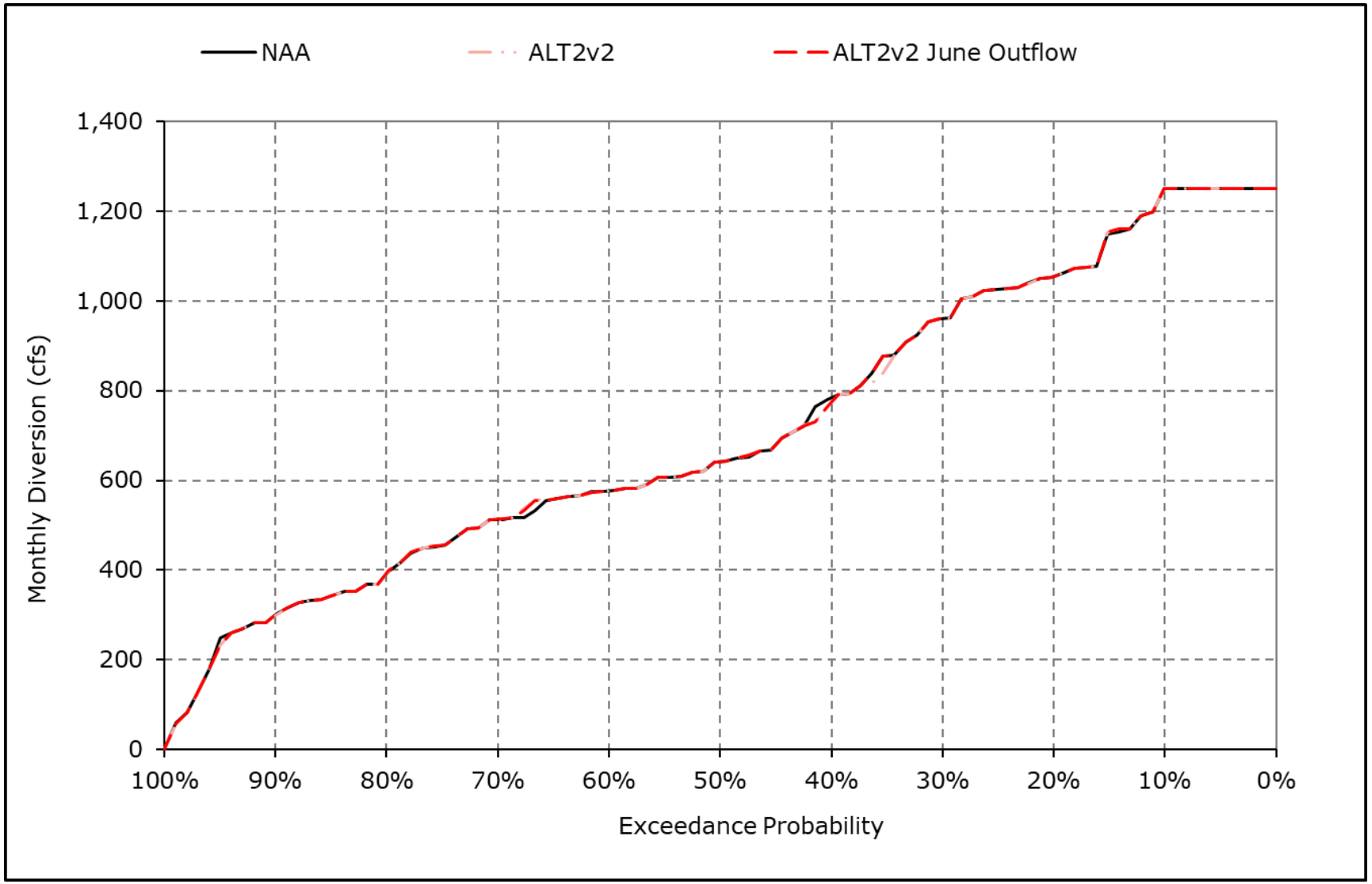
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-13. Madera Canal Diversion, April



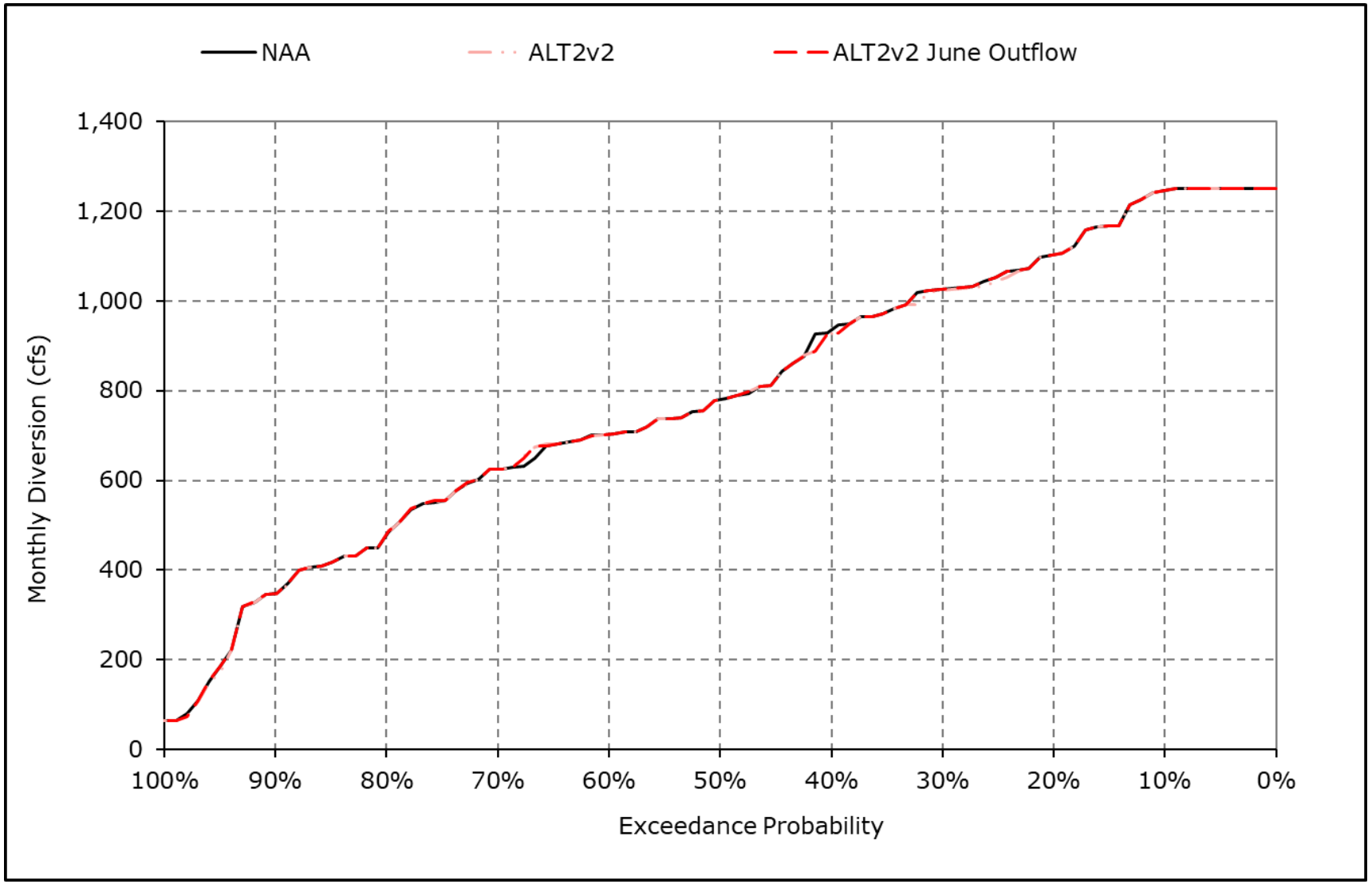
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-14. Madera Canal Diversion, May



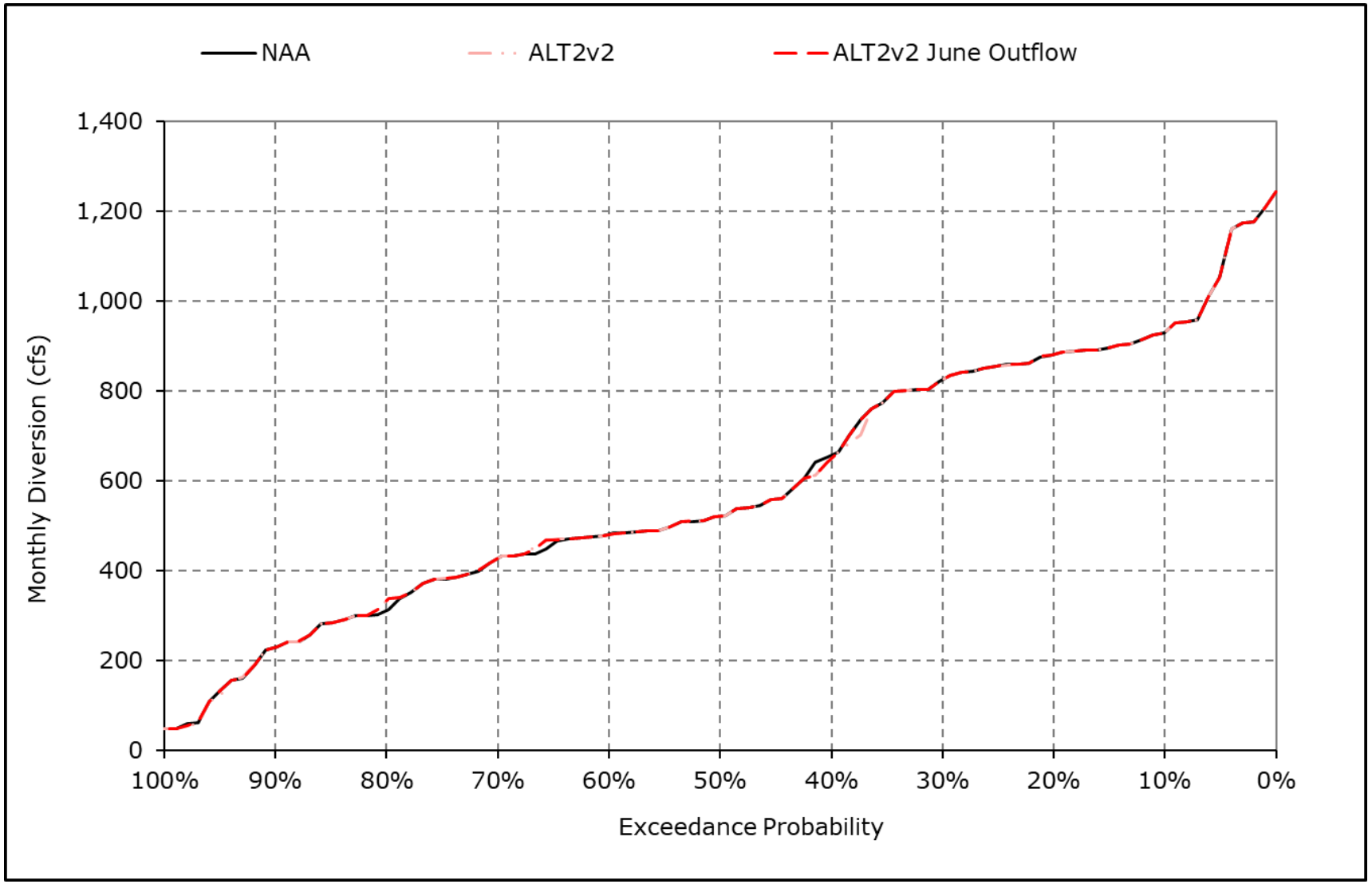
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-15. Madera Canal Diversion, June



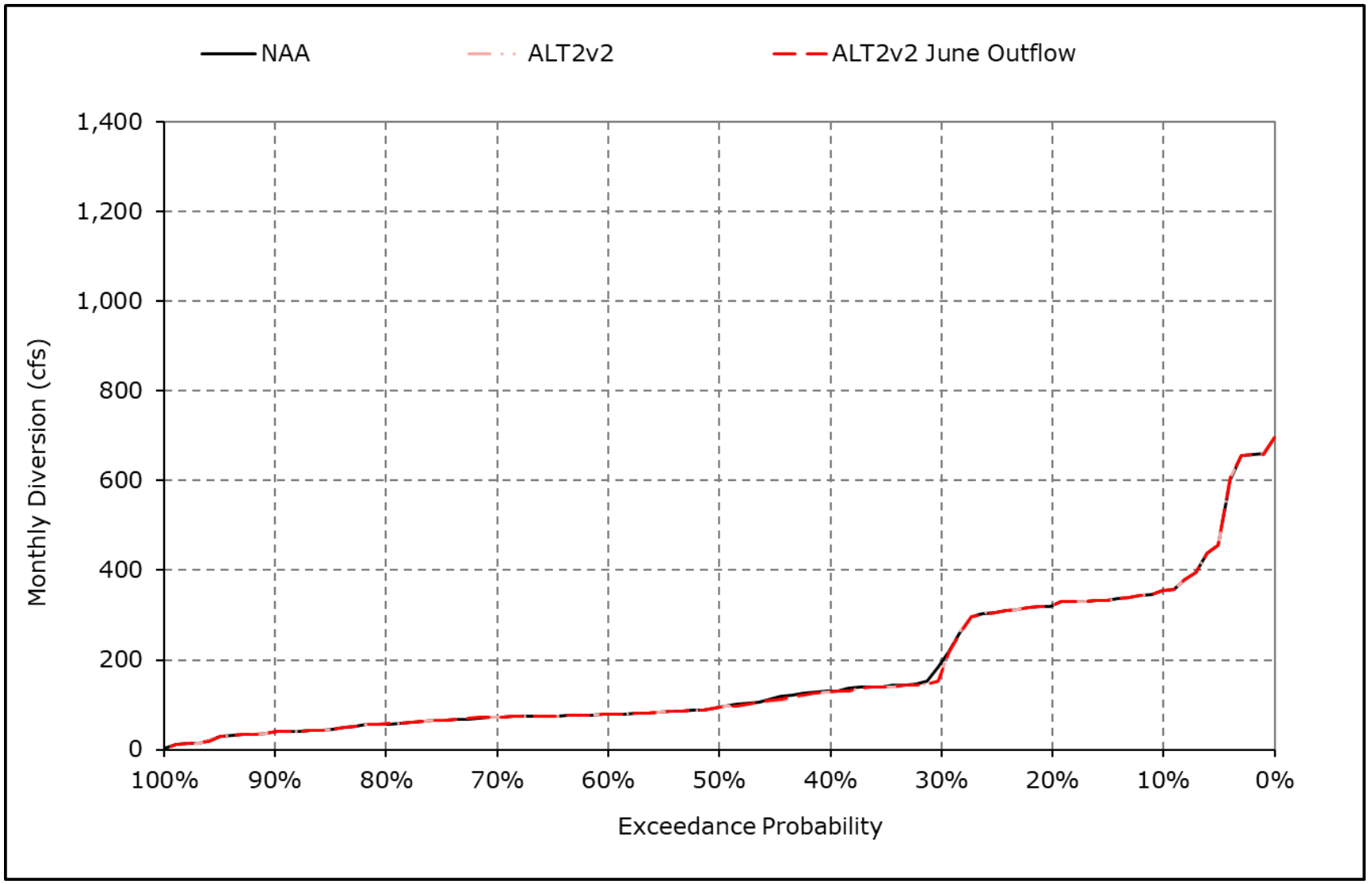
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-16. Madera Canal Diversion, July



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

Figure F.2.3-6-17. Madera Canal Diversion, August



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

Figure F.2.3-6-18. Madera Canal Diversion, September

Table F.2.3-7-1a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-1b. Delta Cross Channel Flow, ALT2v2, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,843	1,940	0	0	0	0	0	0	2,646	4,563	3,821	4,263
20% Exceedance	2,647	1,868	0	0	0	0	0	0	2,527	4,405	3,691	3,826
30% Exceedance	2,505	1,803	0	0	0	0	0	0	2,429	4,224	3,549	3,482
40% Exceedance	2,244	1,713	0	0	0	0	0	0	2,387	3,884	3,454	3,083
50% Exceedance	1,996	1,466	0	0	0	0	0	0	2,322	3,642	3,225	2,473
60% Exceedance	1,715	1,320	0	0	0	0	0	0	2,273	3,367	2,913	2,200
70% Exceedance	0	1,120	0	0	0	0	0	0	2,183	3,103	2,313	2,081
80% Exceedance	0	367	0	0	0	0	0	0	2,041	2,678	2,036	1,973
90% Exceedance	0	0	0	0	0	0	0	0	1,674	2,166	1,784	1,770
Full Simulation Period Average[a]	1,526	1,266	0	0	0	0	0	0	2,286	3,538	2,954	2,812
Wet Water Years (28%)	2,186	1,476	0	0	0	0	0	0	2,374	3,950	3,521	3,756
Above Normal Water Years (14%)	2,706	1,692	0	0	0	0	0	0	2,529	4,113	3,763	3,846
Below Normal Water Years (18%)	1,592	1,295	0	0	0	0	0	0	2,405	3,994	3,283	2,448
Dry Water Years (24%)	785	865	0	0	0	0	0	0	2,320	3,258	2,383	2,135
Critical Water Years (16%)	223	1,052	0	0	0	0	0	0	1,735	2,223	1,739	1,683

[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.2.3-7-1c. Delta Cross Channel Flow, ALT2v2 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59	54	0	0	0	0	0	0	-36	-185	-21	155
20% Exceedance	21	21	0	0	0	0	0	0	-28	-116	2	-91
30% Exceedance	54	38	0	0	0	0	0	0	-74	-82	-18	103
40% Exceedance	23	42	0	0	0	0	0	0	-48	-53	-8	33
50% Exceedance	-9	-24	0	0	0	0	0	0	-61	-26	-21	55
60% Exceedance	-63	-24	0	0	0	0	0	0	-23	-67	190	-14
70% Exceedance	0	39	0	0	0	0	0	0	41	-36	-1	-39
80% Exceedance	0	367	0	0	0	0	0	0	41	-50	9	-14
90% Exceedance	0	0	0	0	0	0	0	0	298	417	-6	2
Full Simulation Period Average[a]	-11	29	0	0	0	0	0	0	6	-3	25	23
Wet Water Years (28%)	-30	22	0	0	0	0	0	0	25	-68	-42	42
Above Normal Water Years (14%)	231	31	0	0	0	0	0	0	-28	-69	-32	220
Below Normal Water Years (18%)	-90	7	0	0	0	0	0	0	13	-119	111	5
Dry Water Years (24%)	-4	-15	0	0	0	0	0	0	-104	-24	79	-17
Critical Water Years (16%)	-132	138	0	0	0	0	0	0	159	332	16	-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.2.3-7-2a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-2b. Delta Cross Channel Flow, ALT2v2 June Outflow, Monthly Flow (cfs)

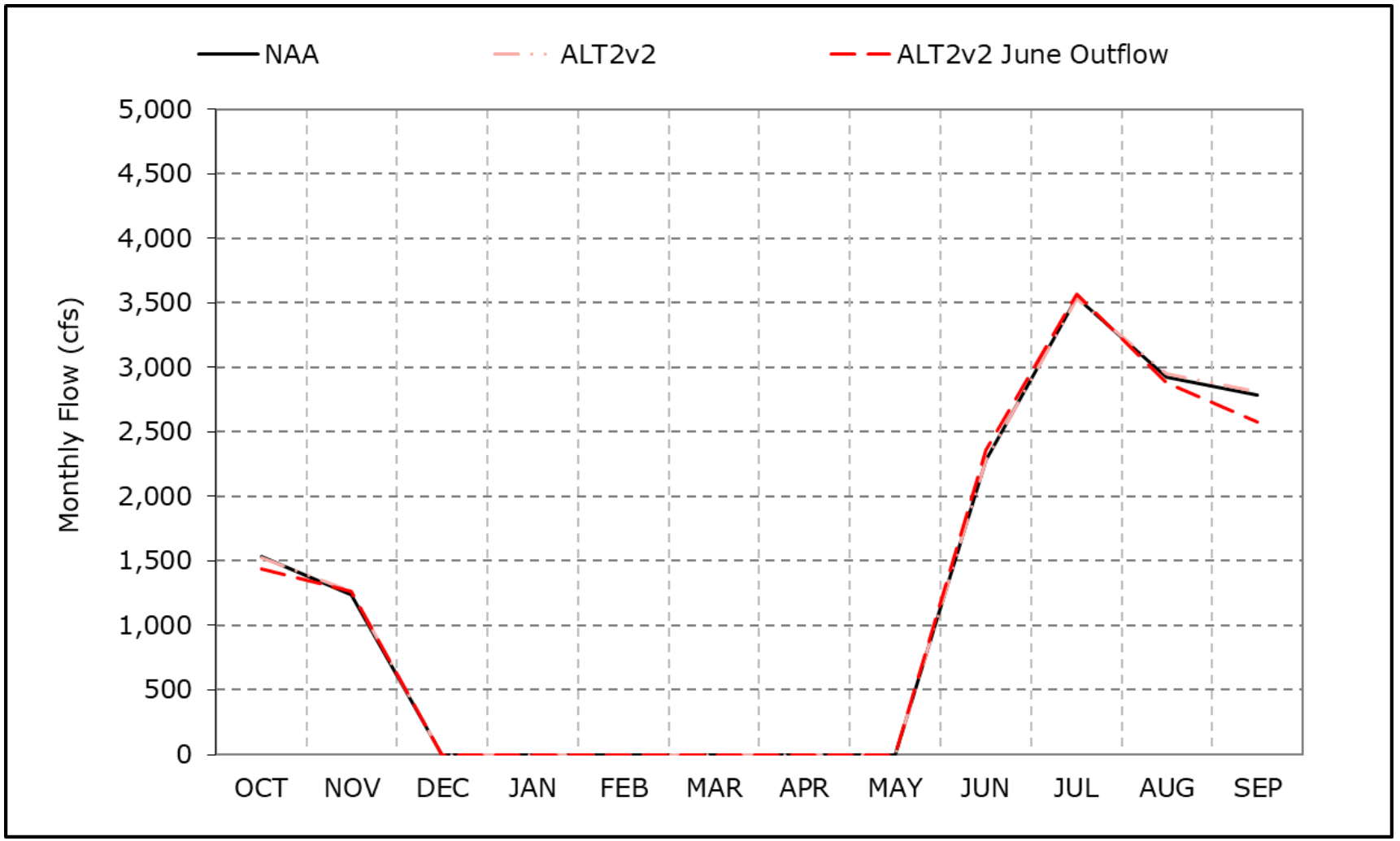
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,591	1,934	0	0	0	0	0	0	2,778	4,522	3,632	3,659
20% Exceedance	2,490	1,869	0	0	0	0	0	0	2,716	4,356	3,541	3,220
30% Exceedance	2,352	1,815	0	0	0	0	0	0	2,590	4,168	3,344	2,989
40% Exceedance	2,211	1,675	0	0	0	0	0	0	2,473	3,909	3,273	2,738
50% Exceedance	1,977	1,477	0	0	0	0	0	0	2,410	3,677	3,178	2,412
60% Exceedance	1,542	1,300	0	0	0	0	0	0	2,319	3,439	2,928	2,238
70% Exceedance	0	1,140	0	0	0	0	0	0	2,241	3,218	2,400	2,100
80% Exceedance	0	392	0	0	0	0	0	0	2,057	2,861	2,114	1,976
90% Exceedance	0	0	0	0	0	0	0	0	1,707	2,241	1,790	1,789
Full Simulation Period Average[a]	1,436	1,263	0	0	0	0	0	0	2,358	3,572	2,881	2,577
Wet Water Years (28%)	2,081	1,419	0	0	0	0	0	0	2,536	3,858	3,318	3,201
Above Normal Water Years (14%)	2,394	1,681	0	0	0	0	0	0	2,709	4,401	3,507	3,218
Below Normal Water Years (18%)	1,508	1,314	0	0	0	0	0	0	2,402	4,006	3,314	2,477
Dry Water Years (24%)	786	926	0	0	0	0	0	0	2,328	3,327	2,424	2,147
Critical Water Years (16%)	227	1,033	0	0	0	0	0	0	1,733	2,226	1,766	1,681

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

Table F.2.3-7-2c. Delta Cross Channel Flow, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

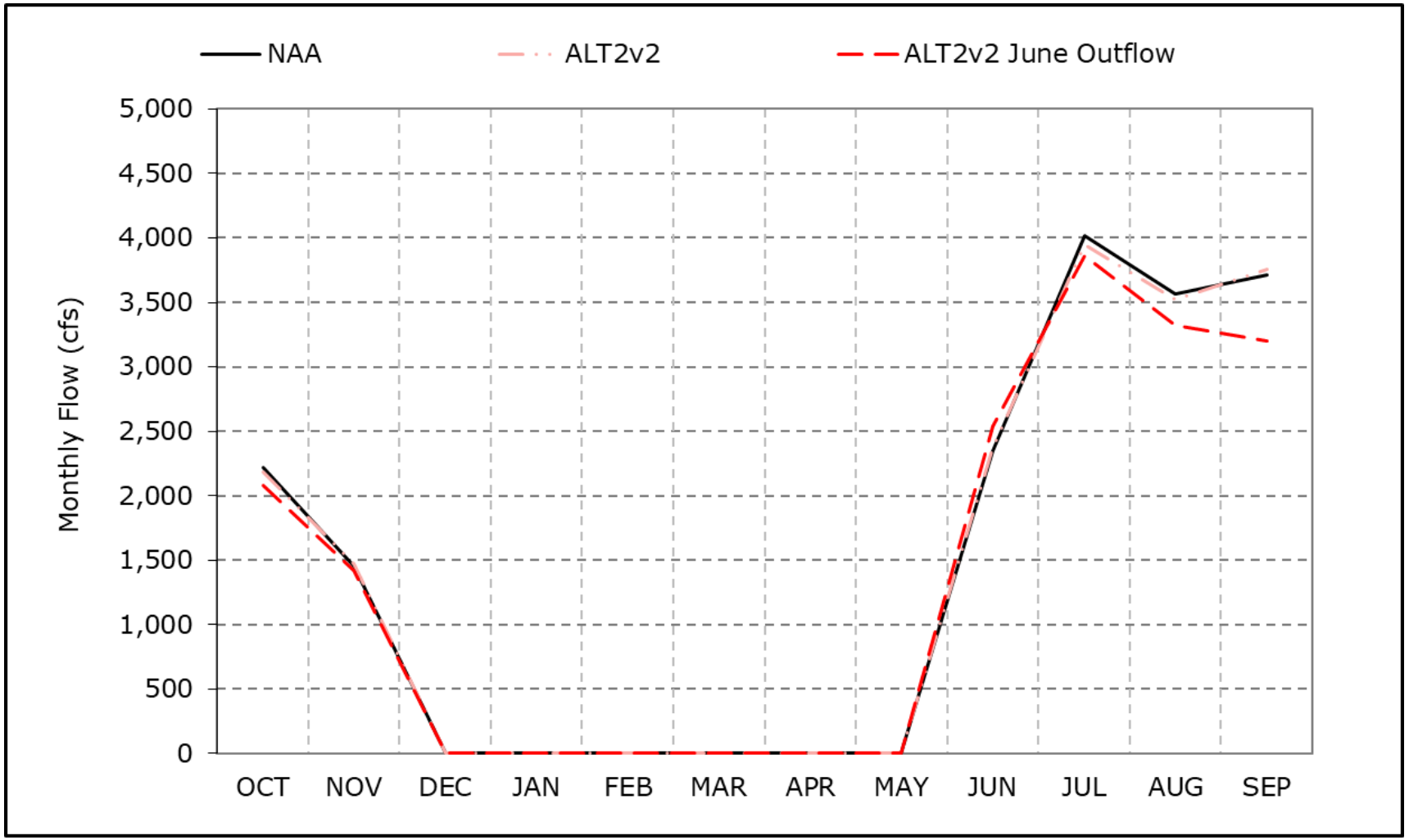
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-193	48	0	0	0	0	0	0	97	-227	-209	-448
20% Exceedance	-135	21	0	0	0	0	0	0	161	-164	-147	-698
30% Exceedance	-99	50	0	0	0	0	0	0	87	-138	-223	-390
40% Exceedance	-10	4	0	0	0	0	0	0	38	-28	-189	-312
50% Exceedance	-29	-13	0	0	0	0	0	0	27	8	-68	-7
60% Exceedance	-236	-44	0	0	0	0	0	0	24	4	205	24
70% Exceedance	0	59	0	0	0	0	0	0	99	79	86	-20
80% Exceedance	0	392	0	0	0	0	0	0	58	133	87	-10
90% Exceedance	0	0	0	0	0	0	0	0	330	492	0	22
Full Simulation Period Average[a]	-101	27	0	0	0	0	0	0	77	31	-47	-213
Wet Water Years (28%)	-136	-34	0	0	0	0	0	0	187	-160	-245	-512
Above Normal Water Years (14%)	-82	20	0	0	0	0	0	0	152	220	-288	-407
Below Normal Water Years (18%)	-173	26	0	0	0	0	0	0	10	-107	143	34
Dry Water Years (24%)	-2	47	0	0	0	0	0	0	-97	44	120	-5
Critical Water Years (16%)	-128	118	0	0	0	0	0	0	157	335	43	-109

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



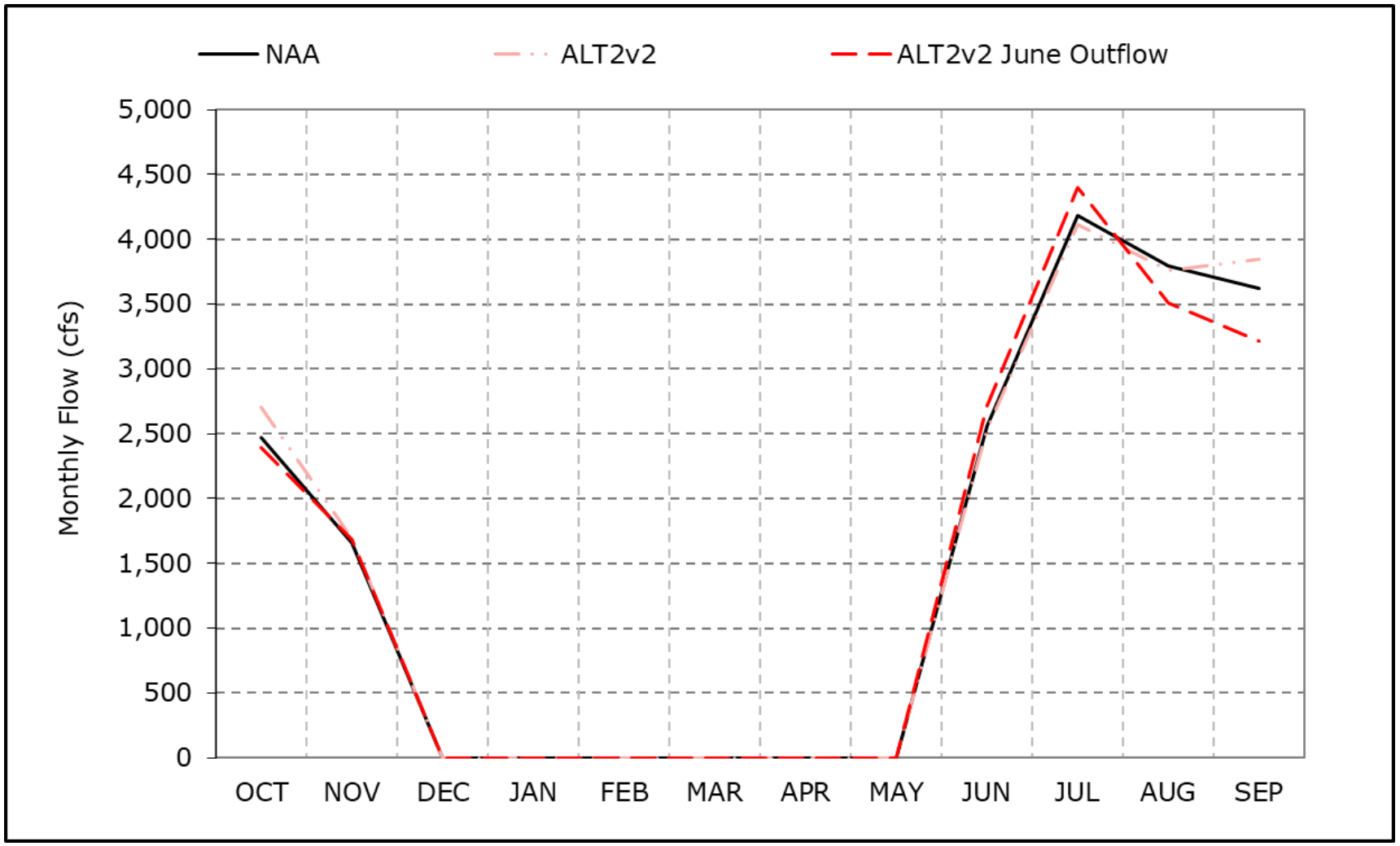
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-1. Delta Cross Channel Flow, Long-Term Average Flow



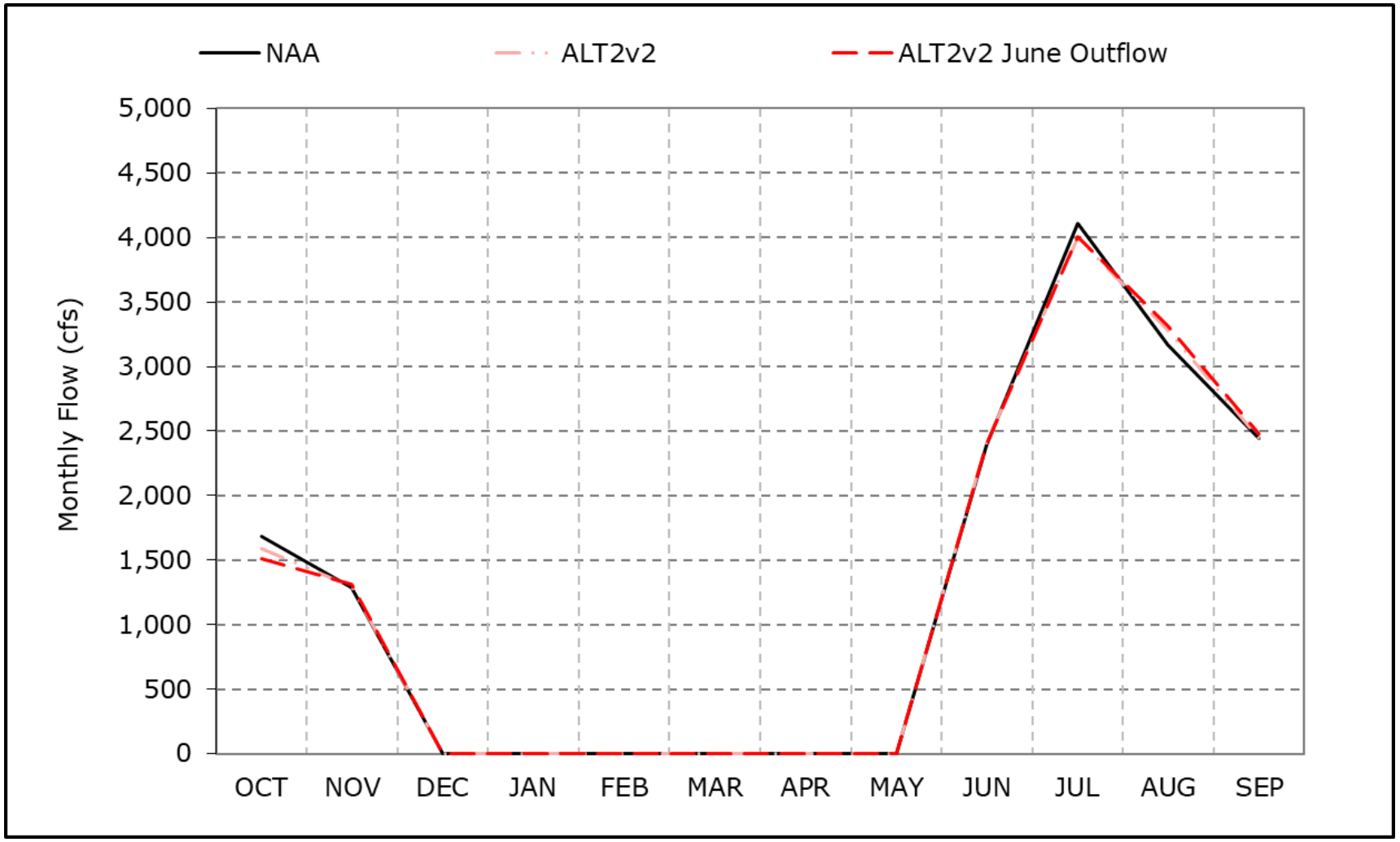
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-2. Delta Cross Channel Flow, Wet Year Average Flow



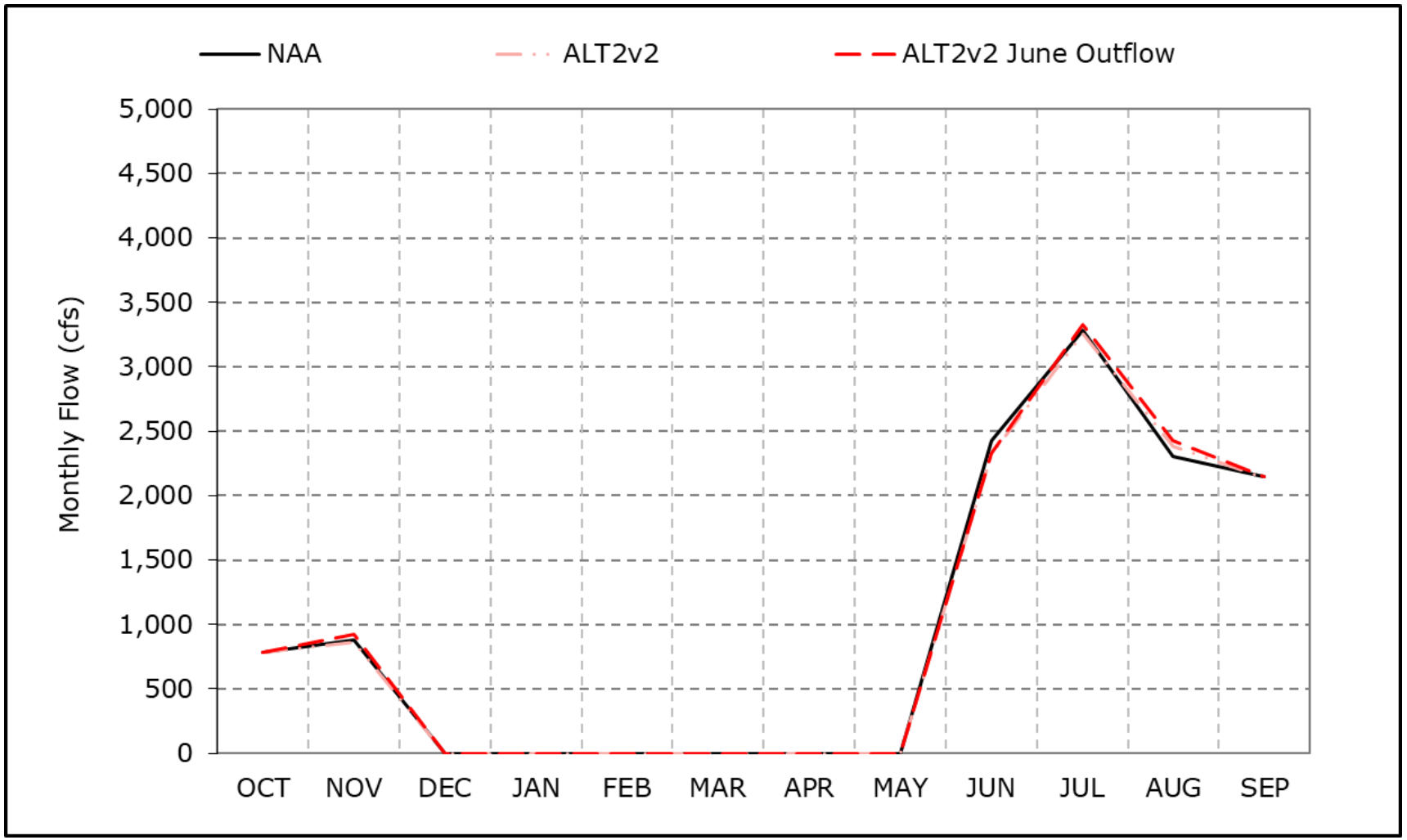
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-3. Delta Cross Channel Flow, Above Normal Year Average Flow



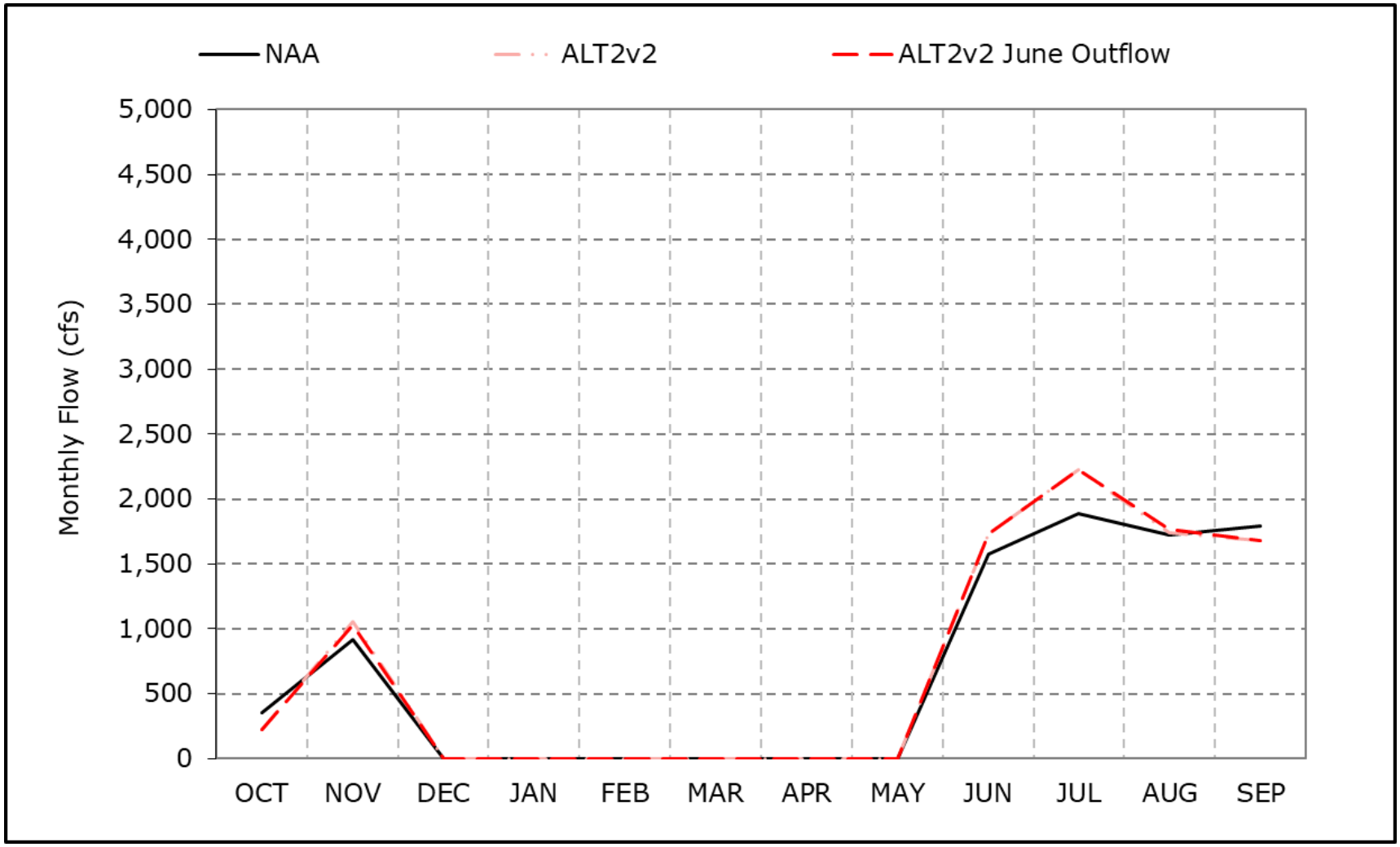
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-4. Delta Cross Channel Flow, Below Normal Year Average Flow



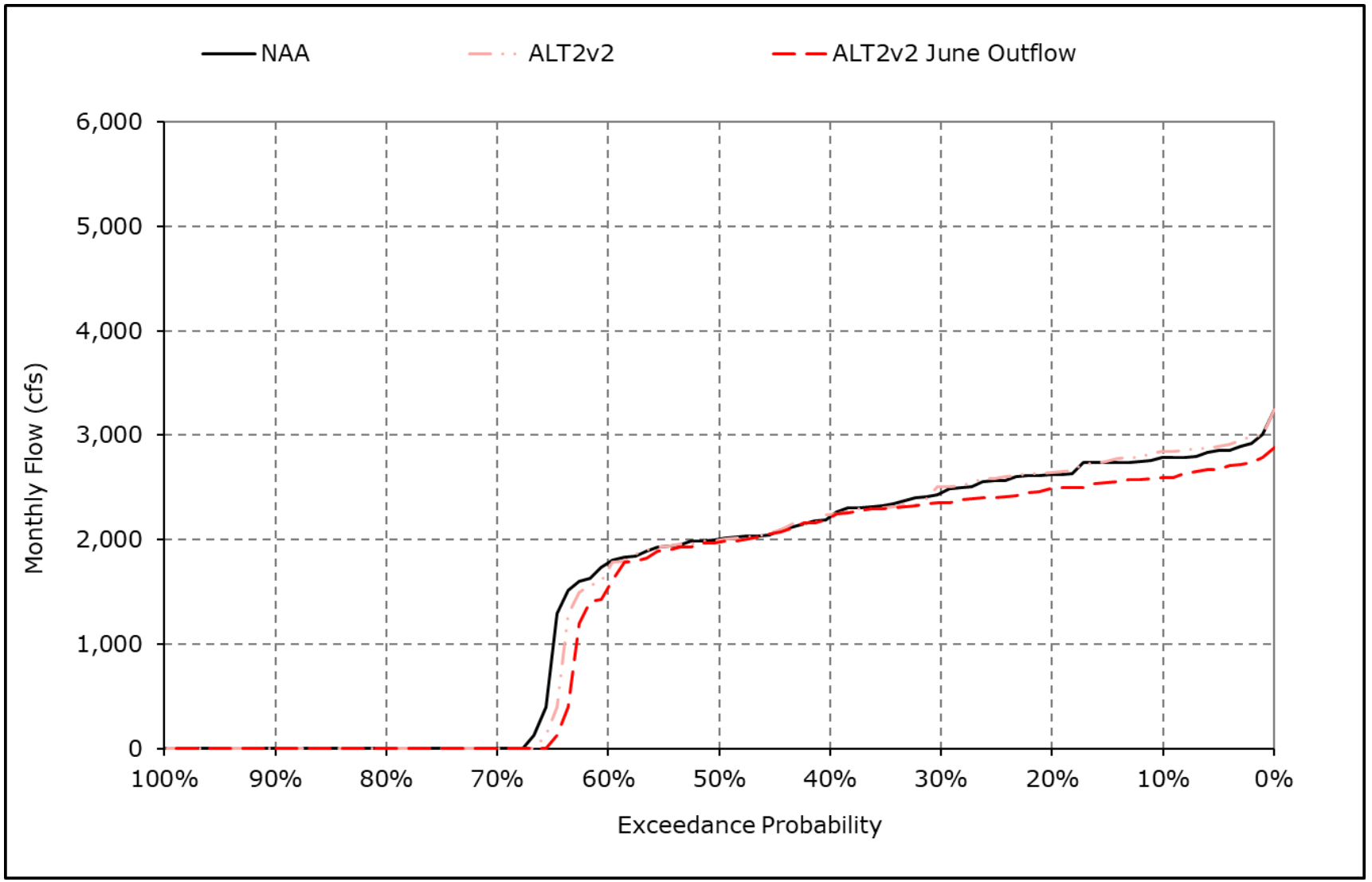
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-5. Delta Cross Channel Flow, Dry Year Average Flow



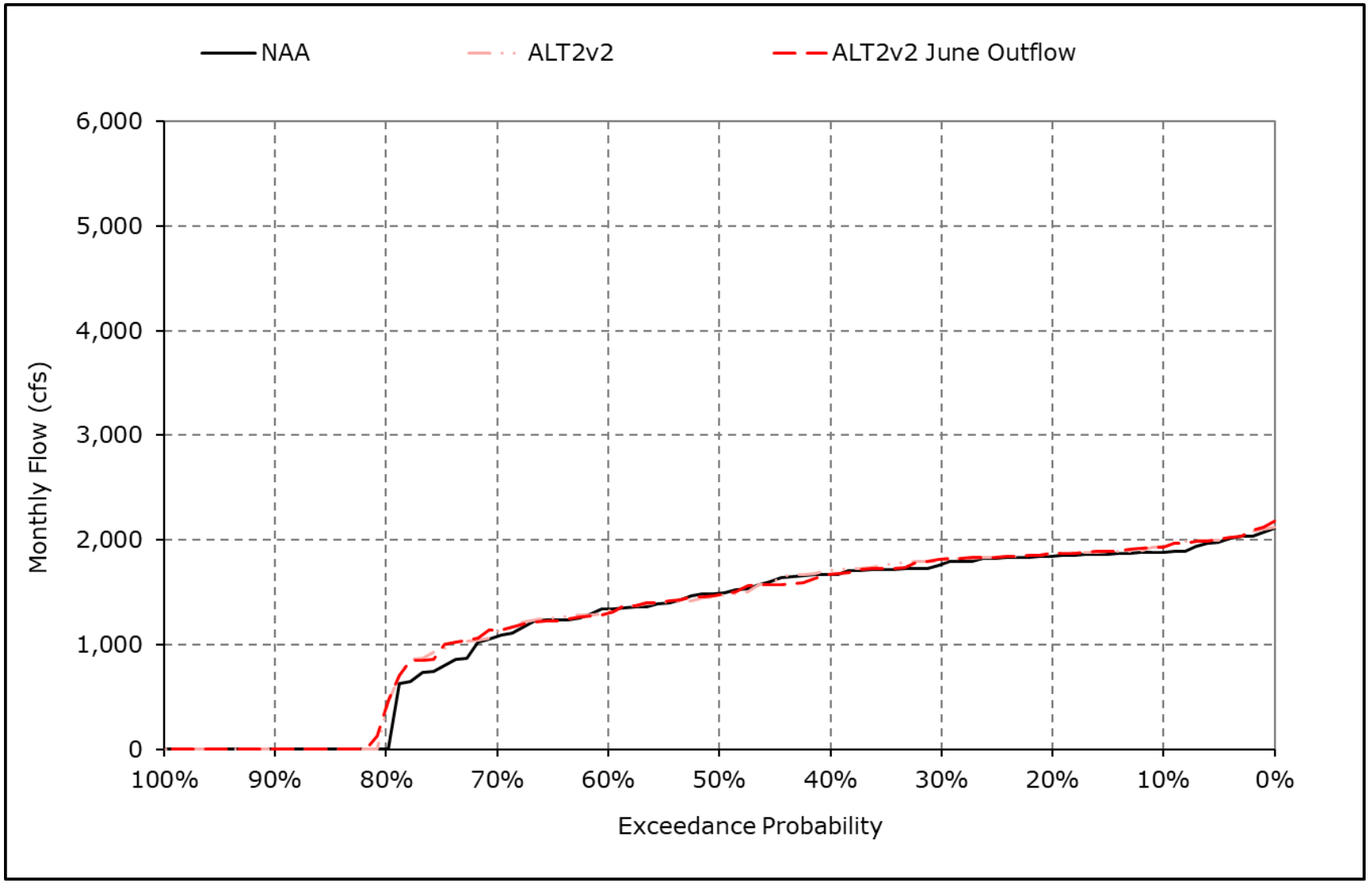
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-6. Delta Cross Channel Flow, Critical Year Average Flow



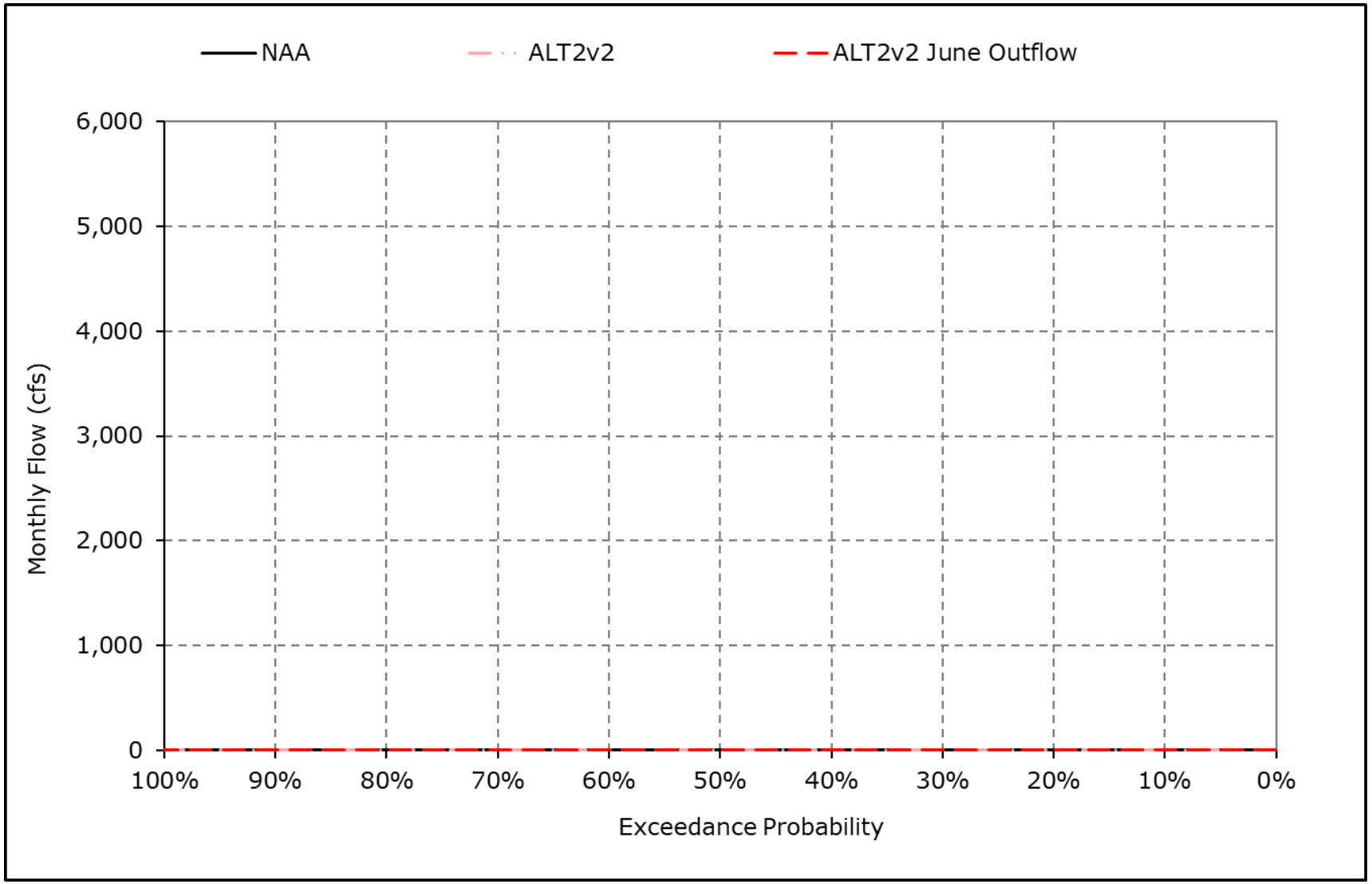
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-7. Delta Cross Channel Flow, October



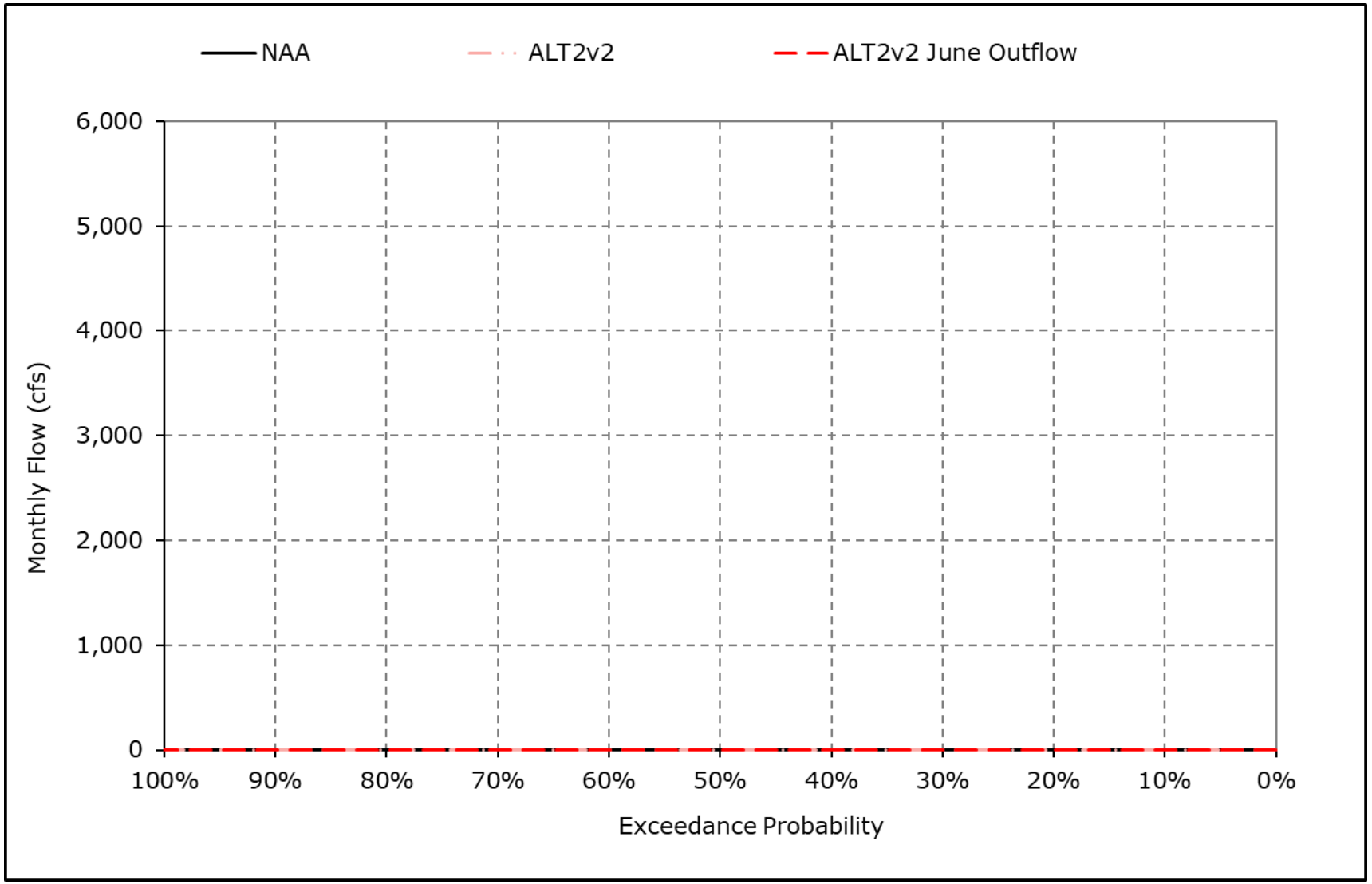
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-8. Delta Cross Channel Flow, November



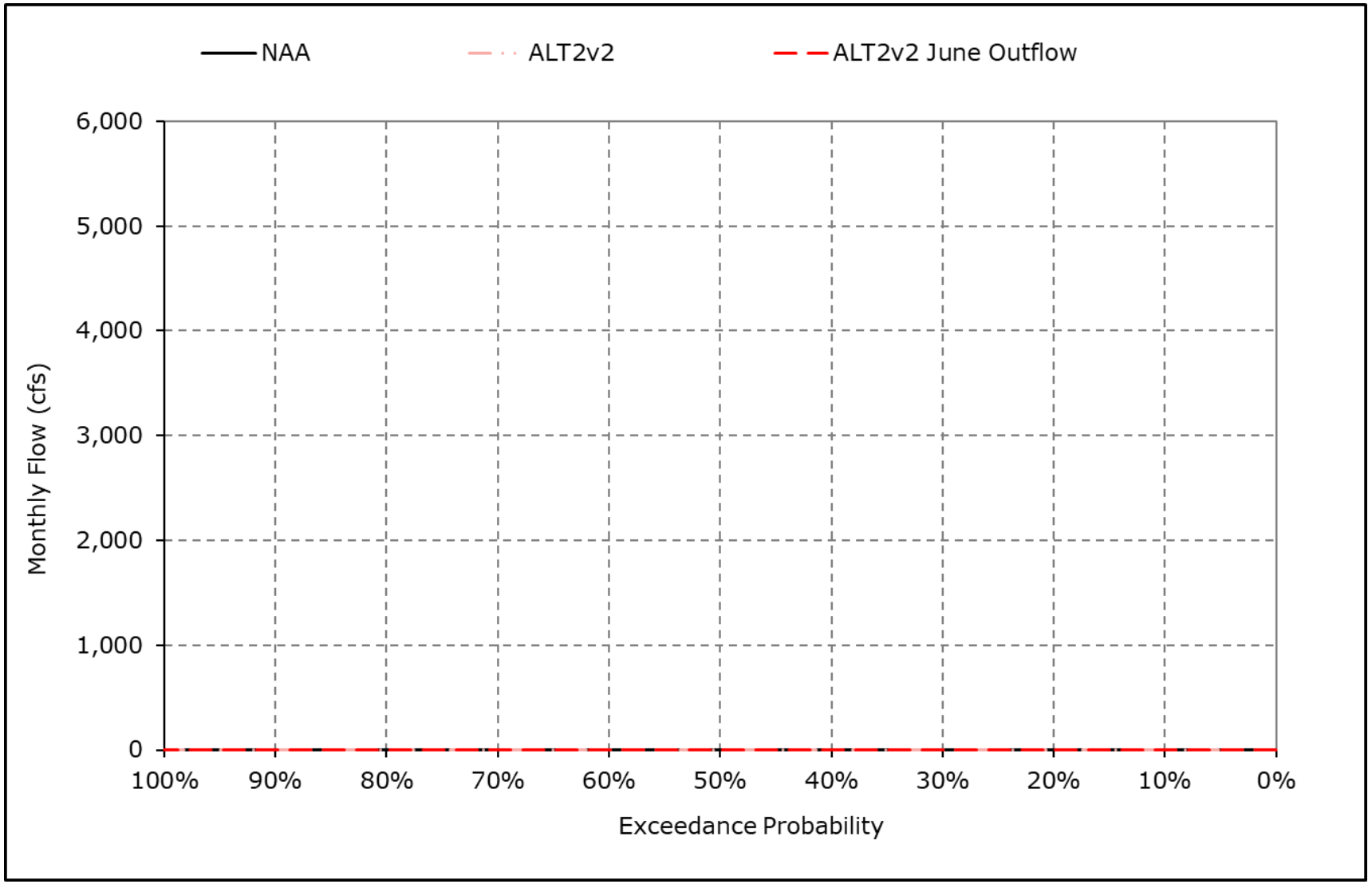
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-9. Delta Cross Channel Flow, December



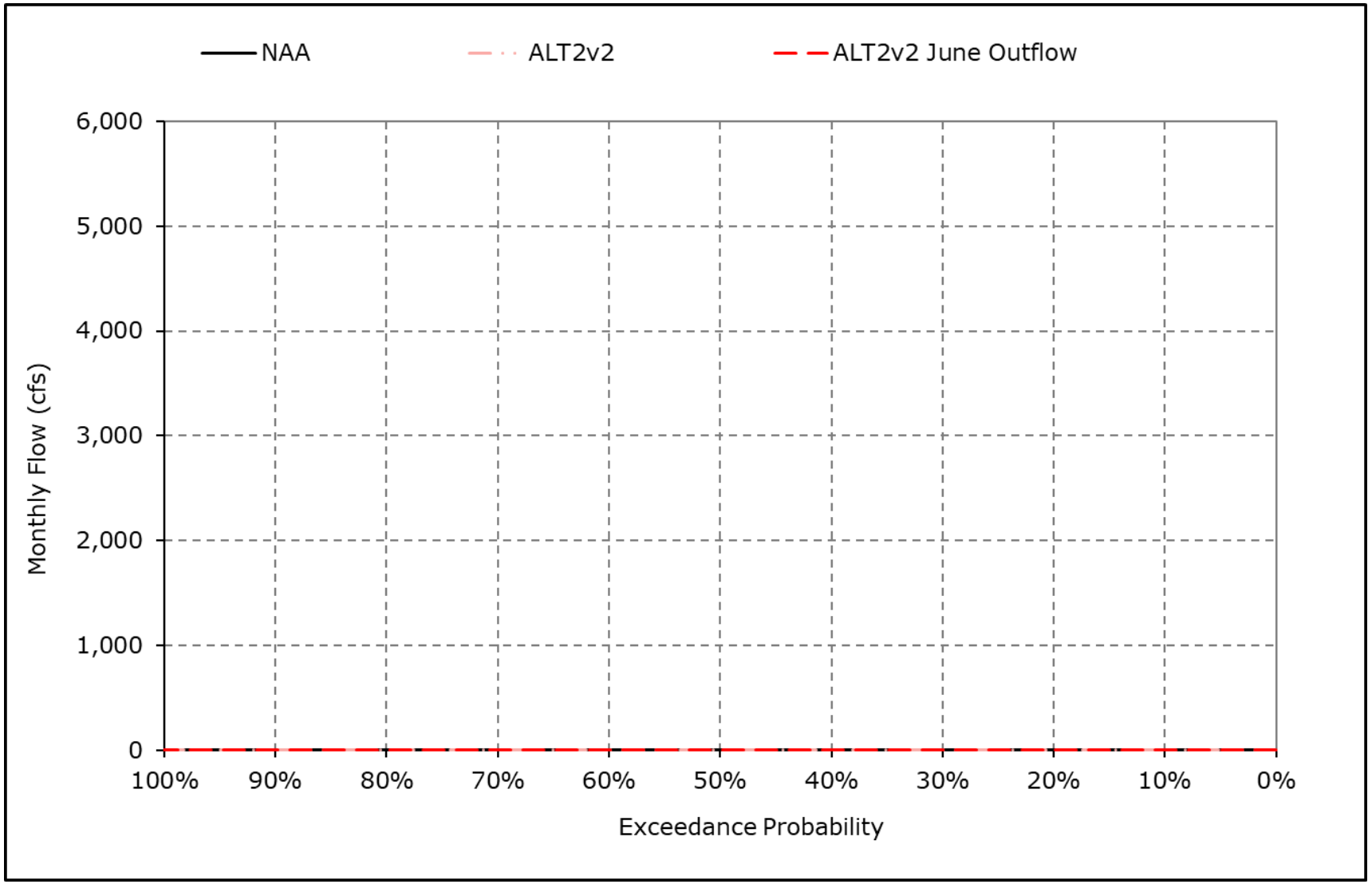
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-10. Delta Cross Channel Flow, January



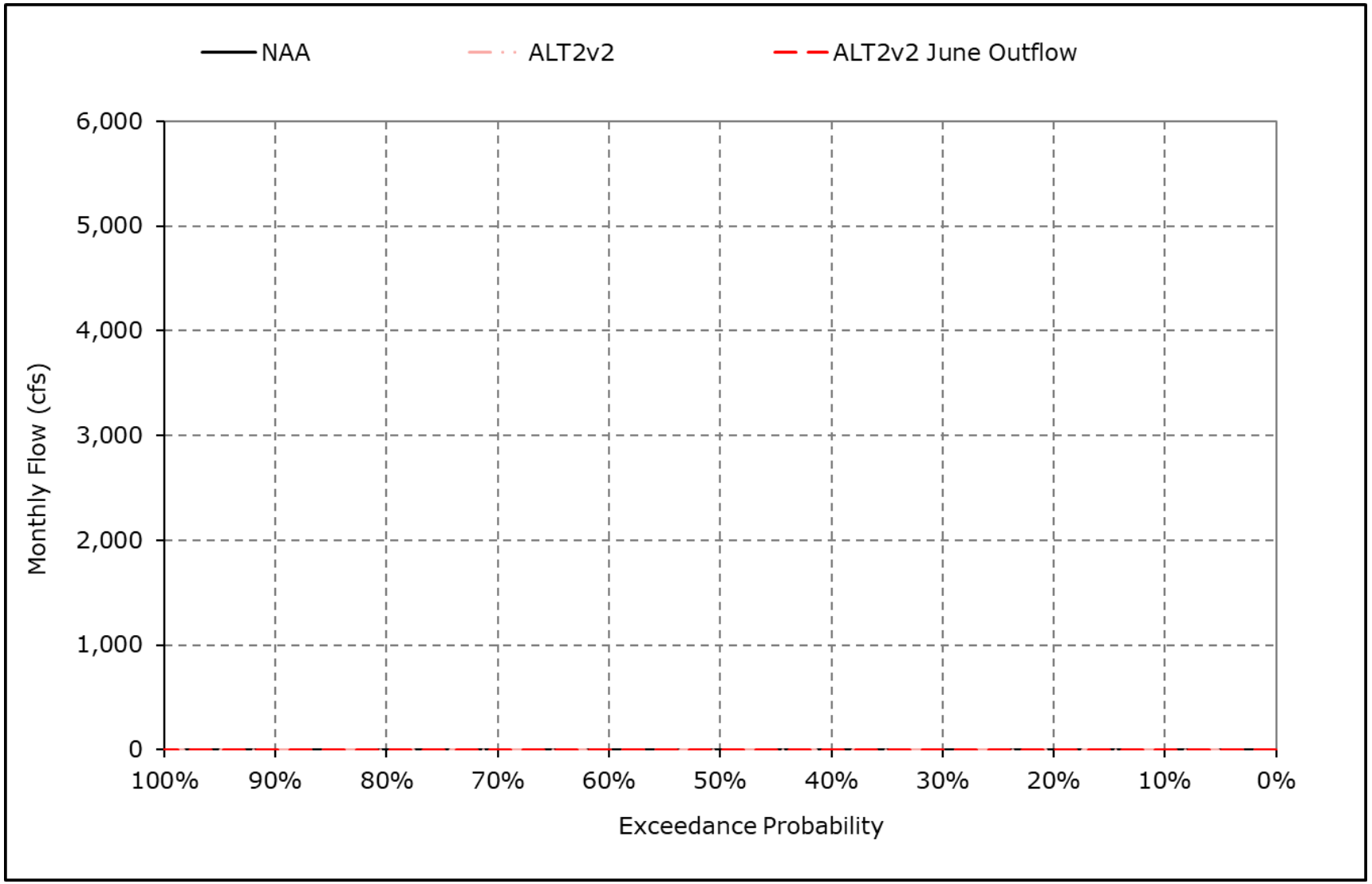
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-11. Delta Cross Channel Flow, February



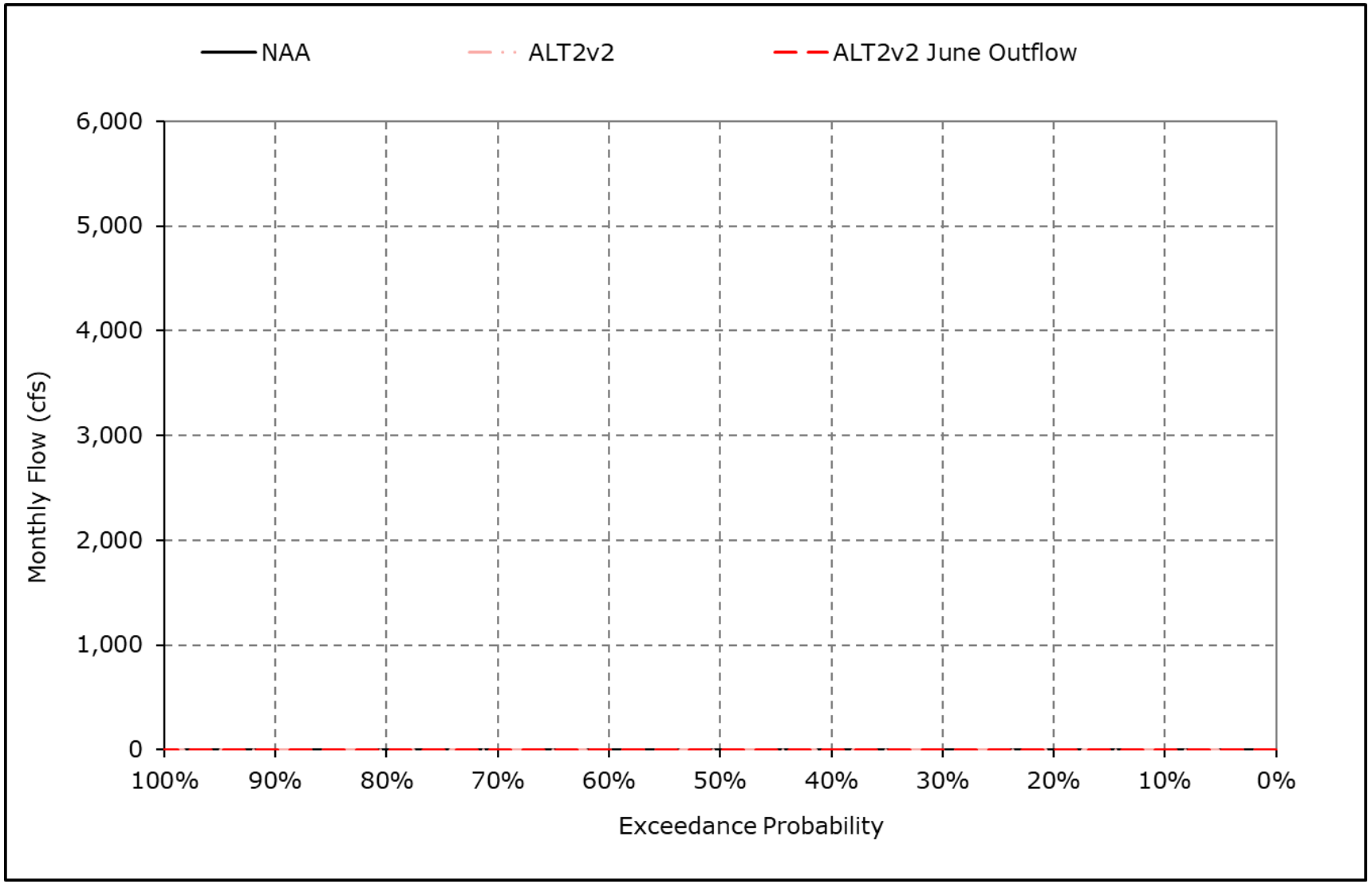
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-12. Delta Cross Channel Flow, March



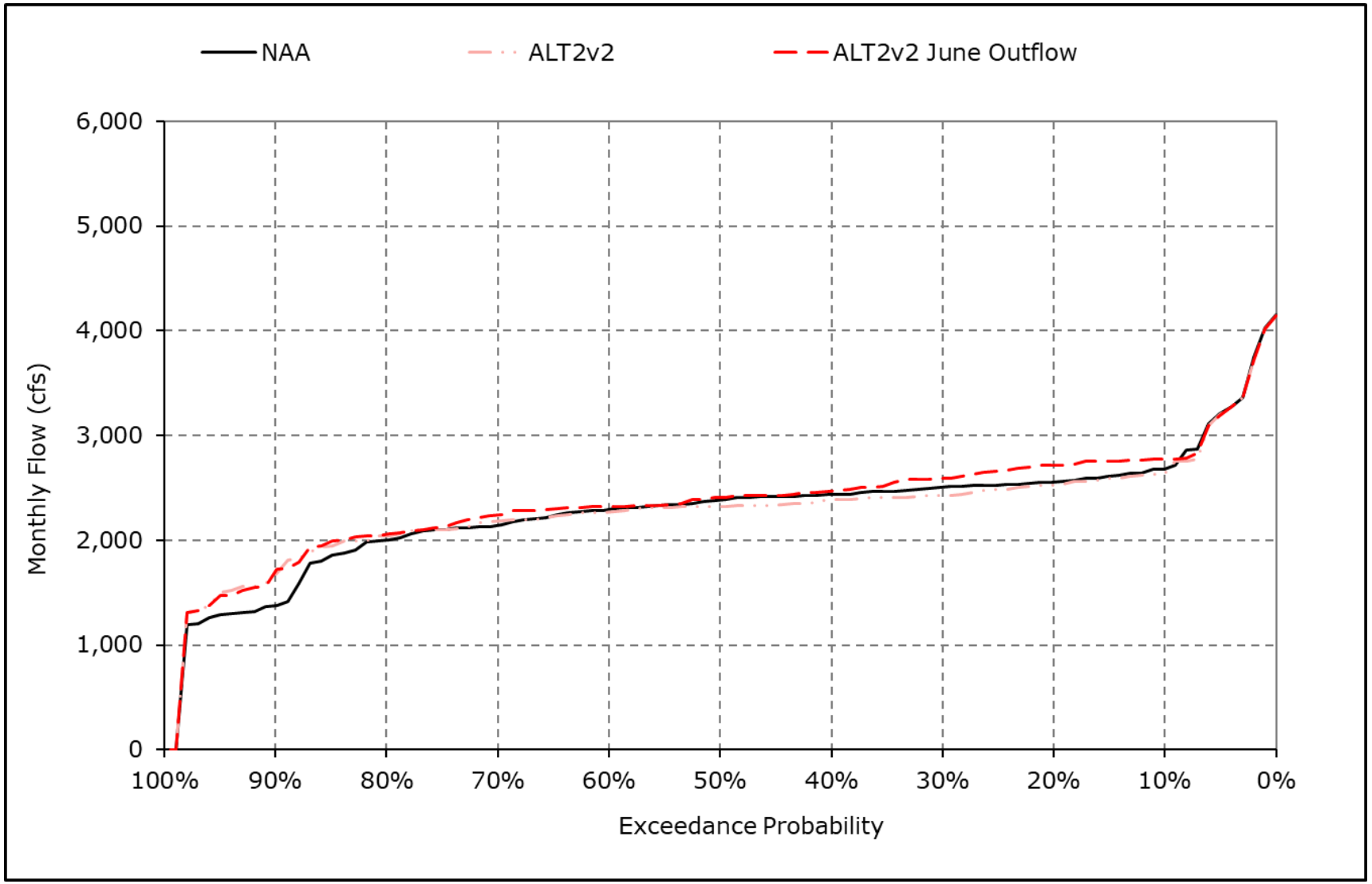
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-13. Delta Cross Channel Flow, April



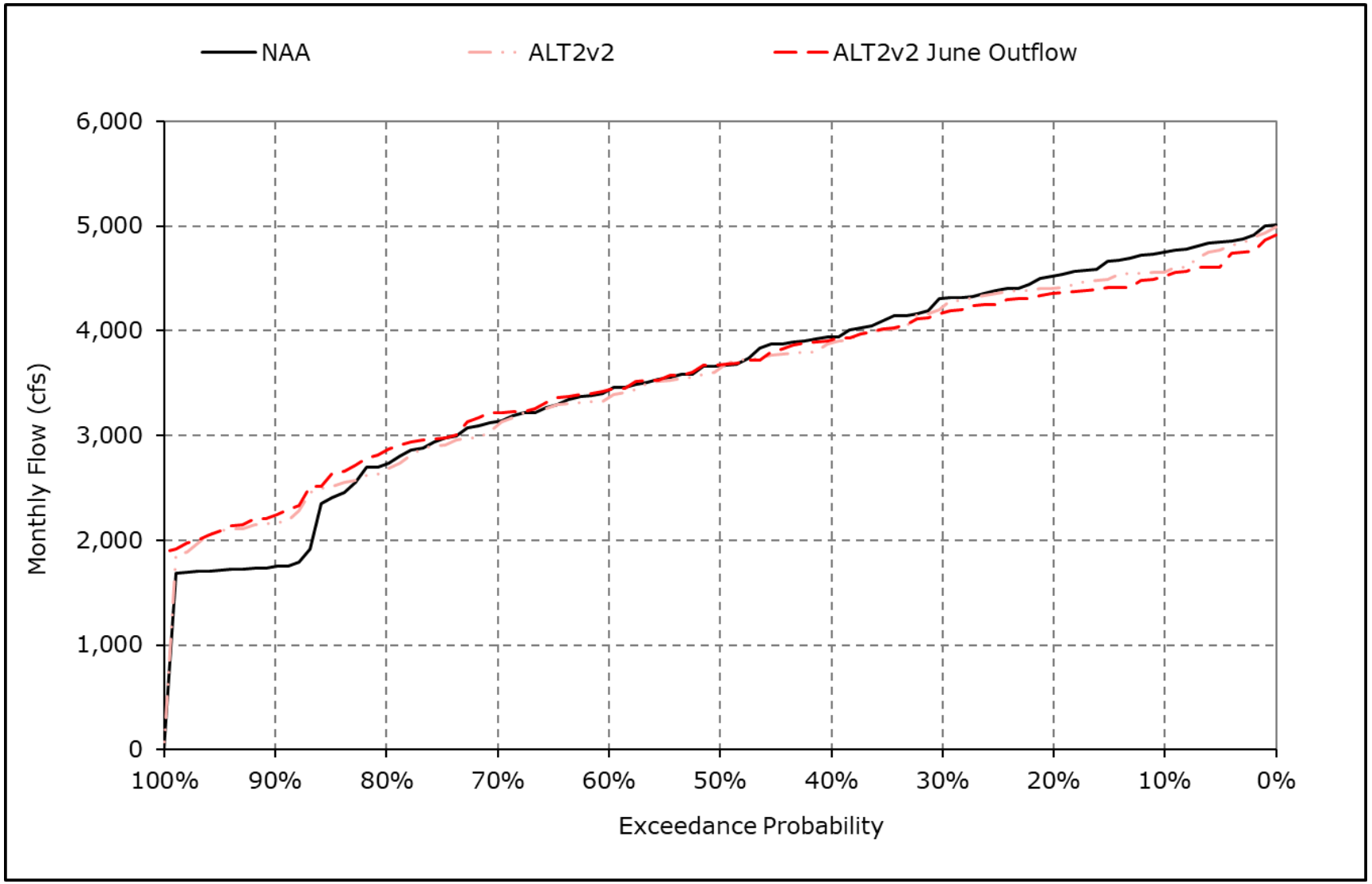
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-14. Delta Cross Channel Flow, May



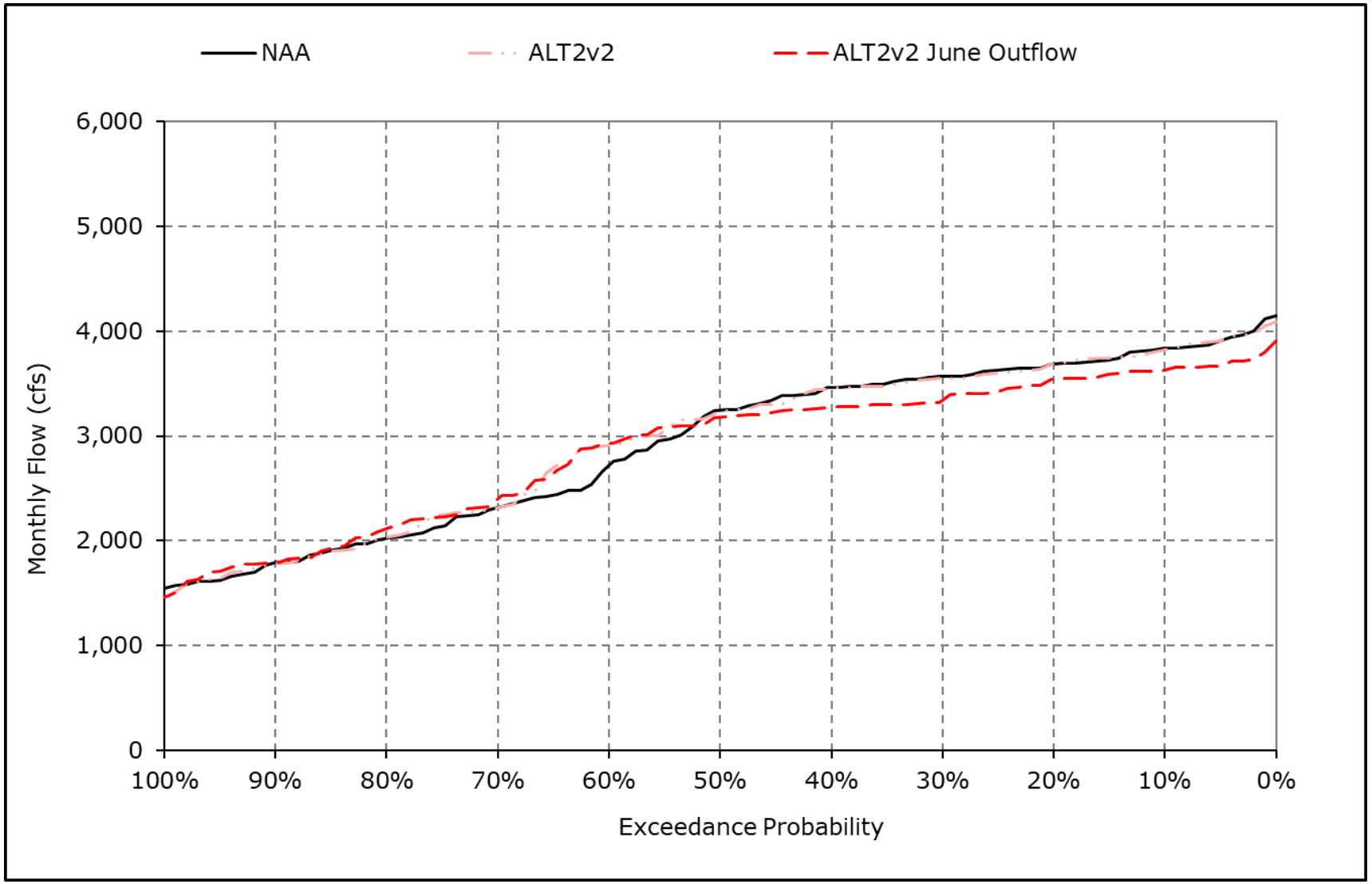
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-15. Delta Cross Channel Flow, June



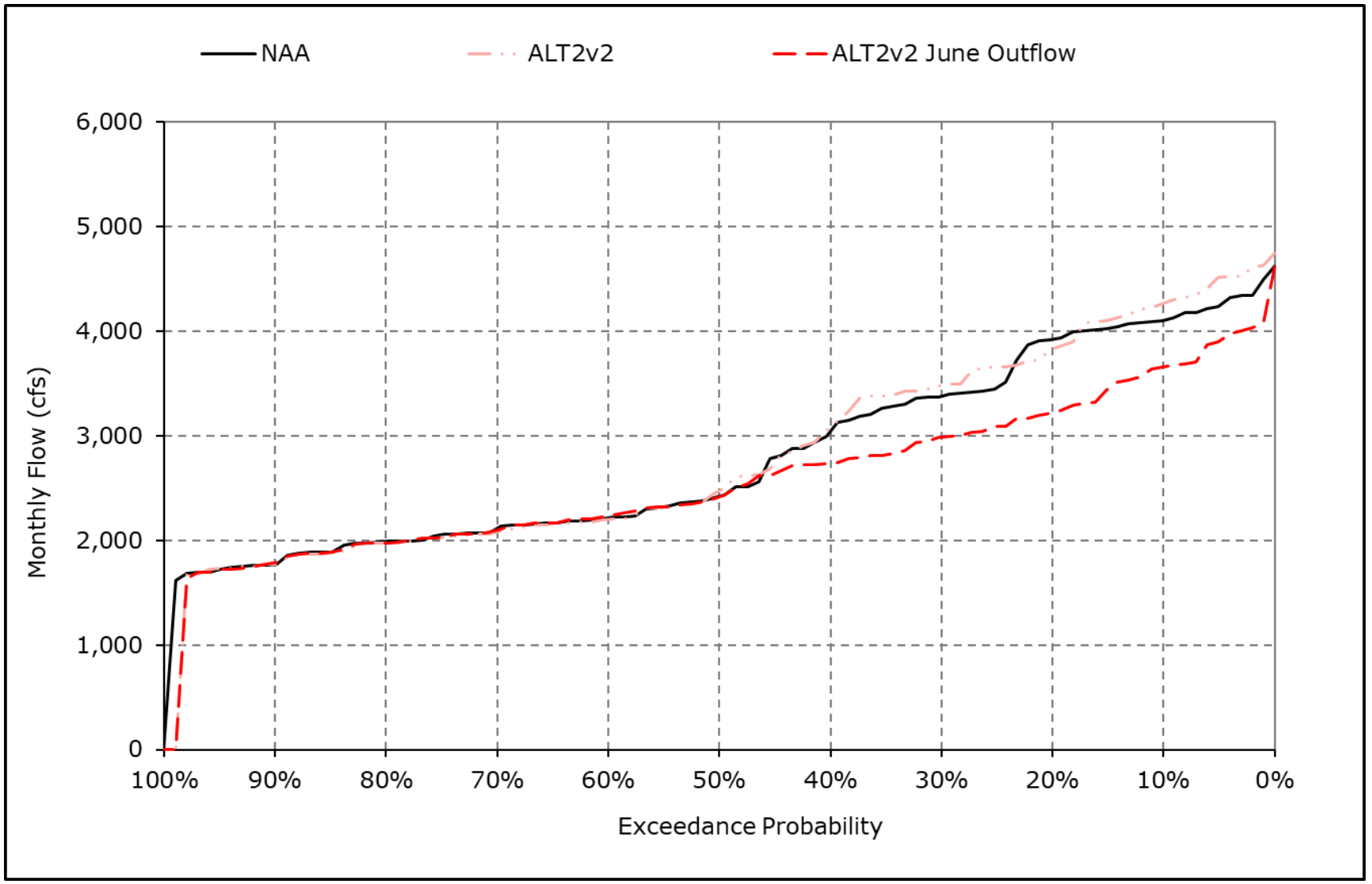
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-16. Delta Cross Channel Flow, July



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

Figure F.2.3-7-17. Delta Cross Channel Flow, August



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

Figure F.2.3-7-18. Delta Cross Channel Flow, September

Table F.2.3-8-1a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-1b. Total Delta Exports, ALT2v2, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,921	11,280	9,924	9,941	12,199	9,933	8,072	10,293	7,759	11,780	11,780	10,953
20% Exceedance	7,283	11,280	9,068	8,273	9,923	7,821	6,083	7,486	6,006	11,570	11,780	9,620
30% Exceedance	6,721	11,280	8,303	7,138	8,215	6,327	5,358	6,229	5,583	11,297	11,175	7,548
40% Exceedance	6,257	10,481	7,586	6,735	7,184	5,872	4,005	5,127	4,992	10,344	10,534	6,632
50% Exceedance	5,605	9,371	6,996	6,353	6,484	5,317	3,189	4,294	4,711	9,741	9,068	5,636
60% Exceedance	4,402	7,770	6,855	5,932	6,120	4,702	2,824	3,519	4,542	8,516	7,879	5,126
70% Exceedance	3,395	5,637	6,439	5,594	5,774	3,695	2,633	3,151	4,448	7,771	4,554	4,779
80% Exceedance	2,784	3,420	4,858	5,283	5,442	3,107	2,308	2,540	4,270	5,132	3,284	4,315
90% Exceedance	2,031	2,208	3,108	4,897	5,023	2,703	1,892	1,966	2,047	2,726	2,051	3,601
Full Simulation Period Average[a]	5,444	7,799	7,083	6,841	7,569	5,757	4,225	5,089	5,055	8,580	7,859	6,527
Wet Water Years (28%)	7,569	10,930	8,424	9,127	10,294	9,022	6,998	8,555	7,288	10,469	10,980	8,779
Above Normal Water Years (14%)	5,803	10,331	8,015	7,298	8,479	5,561	3,549	5,323	5,411	10,716	10,990	6,933
Below Normal Water Years (18%)	5,798	7,762	7,039	6,227	6,863	4,255	3,855	4,468	5,073	10,019	9,620	7,155
Dry Water Years (24%)	4,240	5,961	5,574	5,819	5,910	4,555	2,817	3,182	4,330	7,808	4,992	5,338
Critical Water Years (16%)	2,620	2,405	6,113	4,663	5,285	3,709	2,489	2,380	1,905	2,944	1,975	3,307

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

Table F.2.3-8-1c. Total Delta Exports, ALT2v2 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	0	132	-136	728	483	-430	2,353	-189	208	325	544
20% Exceedance	32	0	17	-5	242	-172	430	1,993	-346	173	374	419
30% Exceedance	-130	208	86	-225	56	-1,120	588	1,665	-272	296	111	-227
40% Exceedance	-64	378	-130	-217	-89	-669	-150	1,252	-448	-197	178	270
50% Exceedance	-183	277	-205	-222	-318	-867	-310	1,025	-514	-317	-199	91
60% Exceedance	-347	143	-5	-392	-356	-834	-415	444	-579	-443	1,303	207
70% Exceedance	27	364	19	-318	-453	-1,693	-352	204	-580	26	6	270
80% Exceedance	223	-256	343	-373	-391	-1,906	-546	-125	-111	143	185	-8
90% Exceedance	-163	-145	565	-197	-351	-2,009	-349	-75	547	1,626	51	892
Full Simulation Period Average[a]	-69	41	57	-241	-76	-821	-125	887	-319	190	301	296
Wet Water Years (28%)	-19	140	-82	-92	305	462	-138	1,799	-107	-175	-23	297
Above Normal Water Years (14%)	-186	231	-25	-145	194	-1,377	-713	981	-461	291	220	890
Below Normal Water Years (18%)	-91	206	10	-183	-252	-1,961	43	793	-438	-12	501	180
Dry Water Years (24%)	14	-138	98	-399	-414	-1,208	-269	261	-607	88	642	-148
Critical Water Years (16%)	-148	-244	388	-417	-277	-714	440	250	2	1,121	205	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.2.3-8-2a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-2b. Total Delta Exports, ALT2v2 June Outflow, Monthly Delivery (cfs)

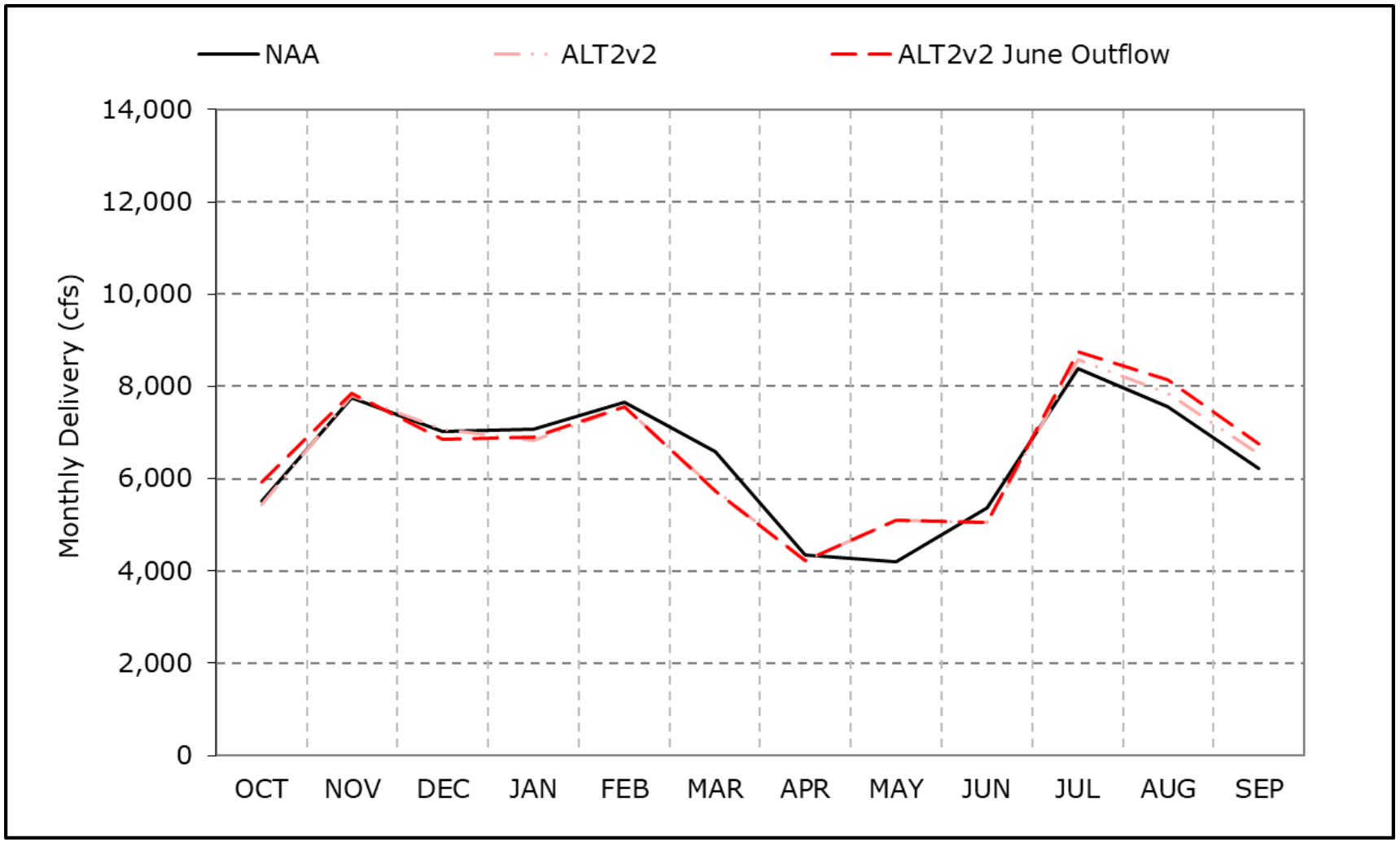
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,102	11,280	9,441	9,912	12,133	9,978	8,060	10,313	7,761	11,773	11,780	11,677
20% Exceedance	8,858	11,280	8,431	8,245	9,820	7,823	6,086	7,526	5,955	11,625	11,780	10,103
30% Exceedance	7,691	11,280	7,891	7,137	8,217	6,322	5,371	6,234	5,585	11,465	11,729	7,954
40% Exceedance	6,800	10,687	7,360	6,785	7,184	5,874	3,997	5,133	4,994	10,718	11,199	6,873
50% Exceedance	5,971	9,441	6,983	6,365	6,486	5,319	3,203	4,315	4,728	10,078	9,997	5,982
60% Exceedance	5,305	7,910	6,811	6,012	6,116	4,645	2,848	3,524	4,562	8,982	7,979	5,345
70% Exceedance	3,320	5,806	6,291	5,664	5,821	3,664	2,631	3,183	4,468	7,939	5,236	4,905
80% Exceedance	2,431	3,474	4,695	5,341	5,524	3,104	2,373	2,555	4,305	5,468	3,589	4,307
90% Exceedance	1,998	2,268	2,888	4,931	5,000	2,657	1,894	1,962	1,765	3,096	2,151	3,631
Full Simulation Period Average[a]	5,935	7,857	6,863	6,894	7,554	5,722	4,227	5,101	5,055	8,760	8,153	6,753
Wet Water Years (28%)	9,032	10,842	7,968	9,112	10,256	8,947	7,003	8,556	7,278	10,593	11,385	9,252
Above Normal Water Years (14%)	6,771	10,414	7,432	7,291	8,411	5,566	3,554	5,329	5,371	11,043	11,541	7,428
Below Normal Water Years (18%)	5,622	7,943	7,010	6,239	6,904	4,255	3,816	4,515	5,077	10,063	9,789	7,249
Dry Water Years (24%)	4,096	6,194	5,536	6,016	5,908	4,560	2,835	3,189	4,366	8,172	5,203	5,376
Critical Water Years (16%)	2,638	2,287	6,177	4,716	5,275	3,610	2,506	2,382	1,898	2,971	2,116	3,298

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

Table F.2.3-8-2c. Total Delta Exports, ALT2v2 June Outflow minus No Action Alternative, Monthly Delivery (cfs)

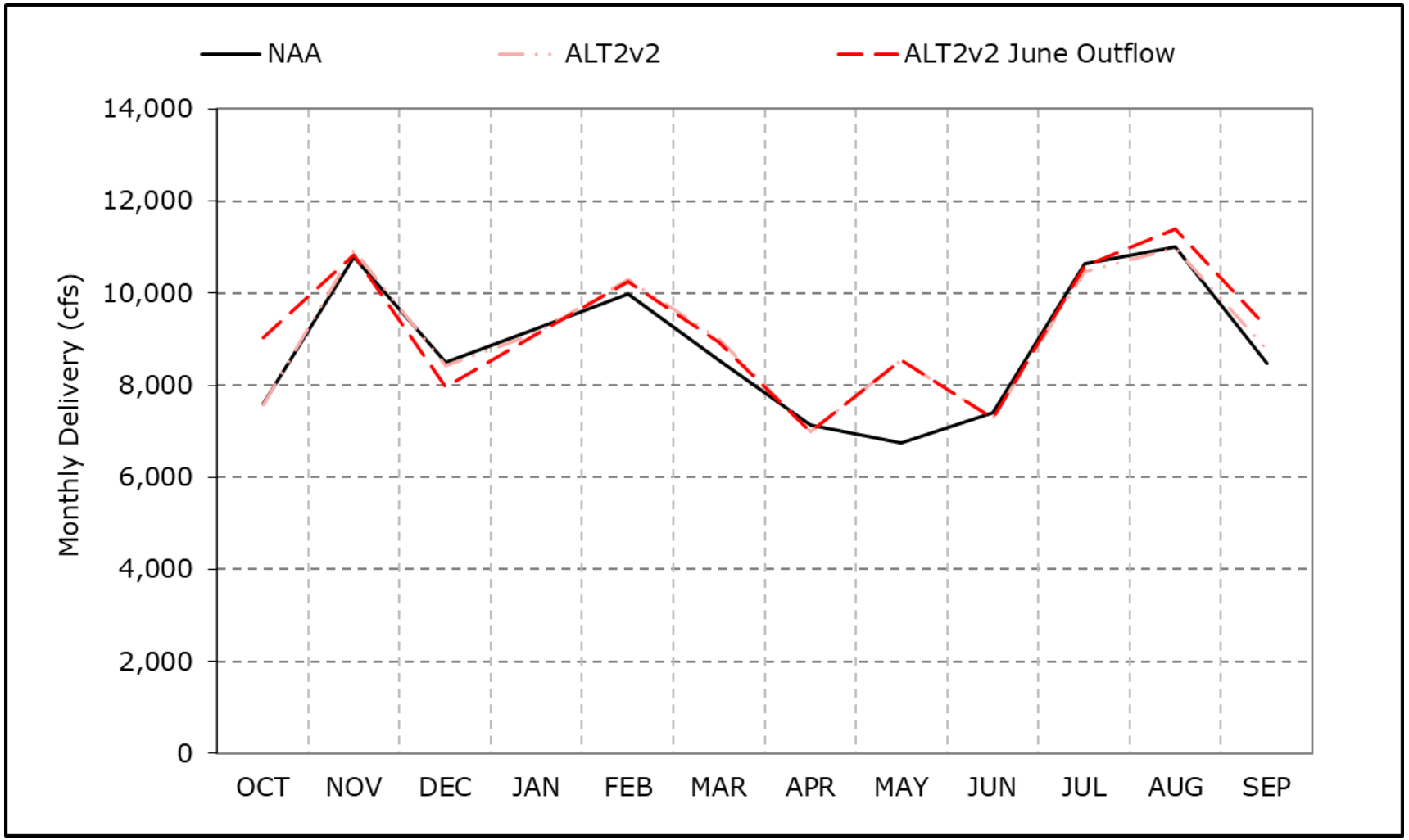
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,396	0	-351	-165	662	528	-442	2,373	-188	201	325	1,269
20% Exceedance	1,607	0	-620	-34	139	-170	433	2,033	-396	229	374	901
30% Exceedance	840	208	-326	-226	58	-1,126	601	1,670	-270	464	665	179
40% Exceedance	479	584	-356	-167	-88	-667	-158	1,258	-446	177	843	511
50% Exceedance	183	348	-217	-210	-316	-865	-297	1,045	-497	19	730	437
60% Exceedance	556	283	-49	-312	-360	-892	-391	449	-559	23	1,403	425
70% Exceedance	-49	533	-130	-248	-405	-1,724	-354	236	-560	194	688	397
80% Exceedance	-130	-202	181	-315	-309	-1,909	-481	-110	-76	479	489	-16
90% Exceedance	-196	-85	345	-163	-374	-2,056	-347	-79	265	1,996	151	923
Full Simulation Period Average[a]	423	100	-163	-188	-91	-856	-123	898	-319	370	595	523
Wet Water Years (28%)	1,443	52	-538	-107	267	387	-133	1,801	-116	-52	382	770
Above Normal Water Years (14%)	782	314	-608	-151	127	-1,372	-708	987	-501	618	771	1,385
Below Normal Water Years (18%)	-267	387	-19	-171	-211	-1,962	4	841	-434	32	670	275
Dry Water Years (24%)	-130	95	60	-201	-416	-1,203	-251	267	-571	452	852	-110
Critical Water Years (16%)	-130	-362	451	-363	-287	-813	457	253	-5	1,148	346	564

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



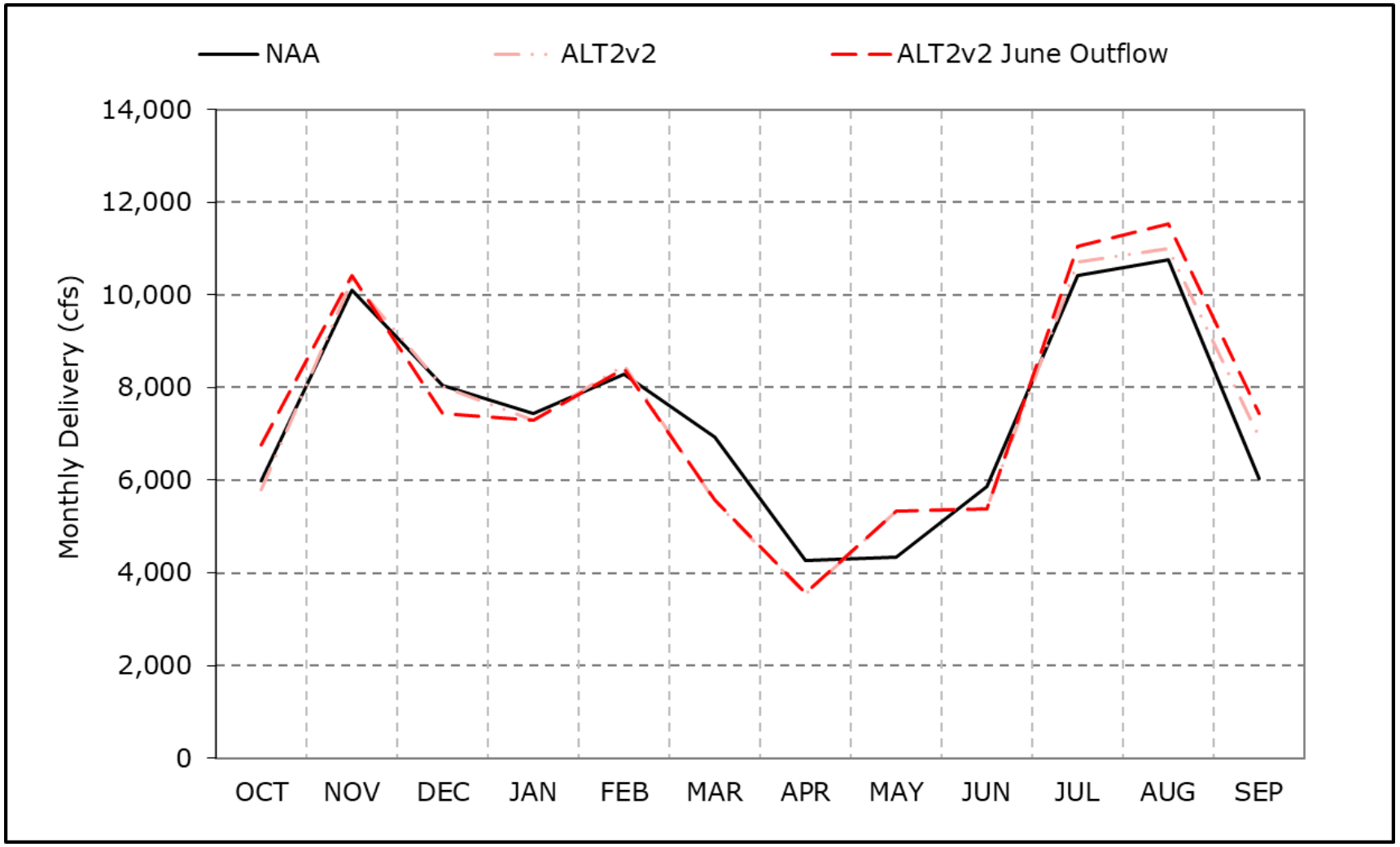
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-1. Total Delta Exports, Long-Term Average Delivery



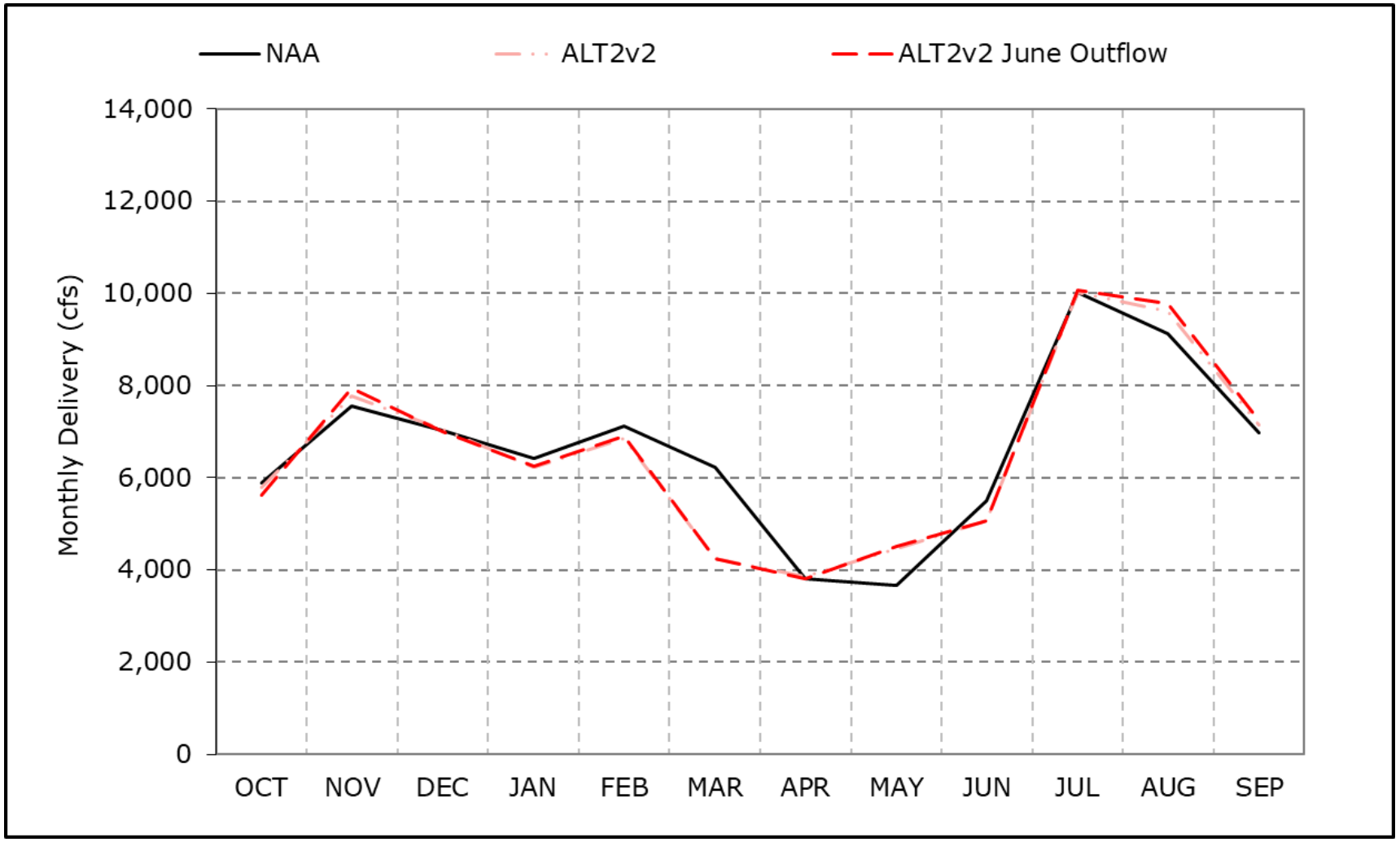
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-2. Total Delta Exports, Wet Year Average Delivery



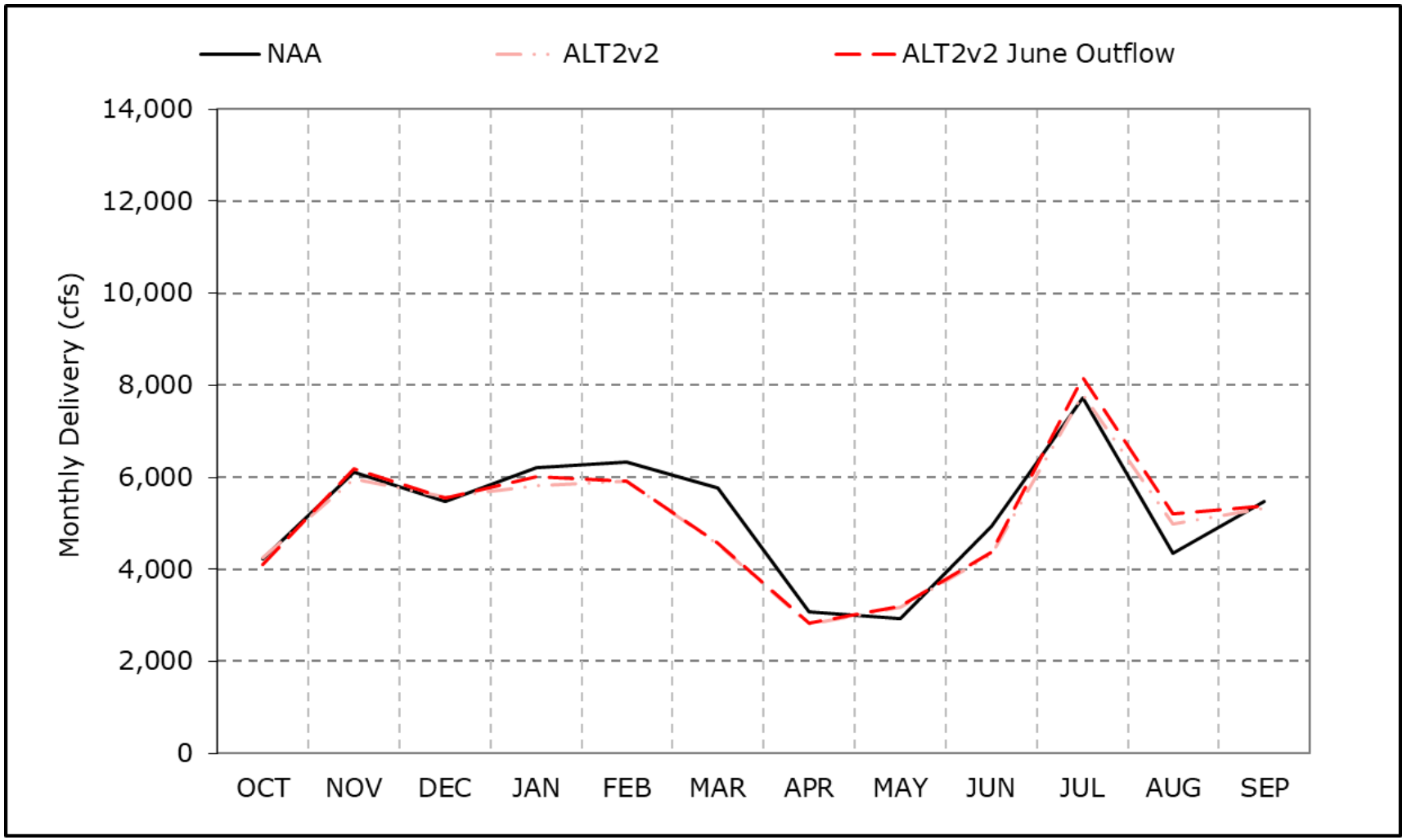
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-3. Total Delta Exports, Above Normal Year Average Delivery



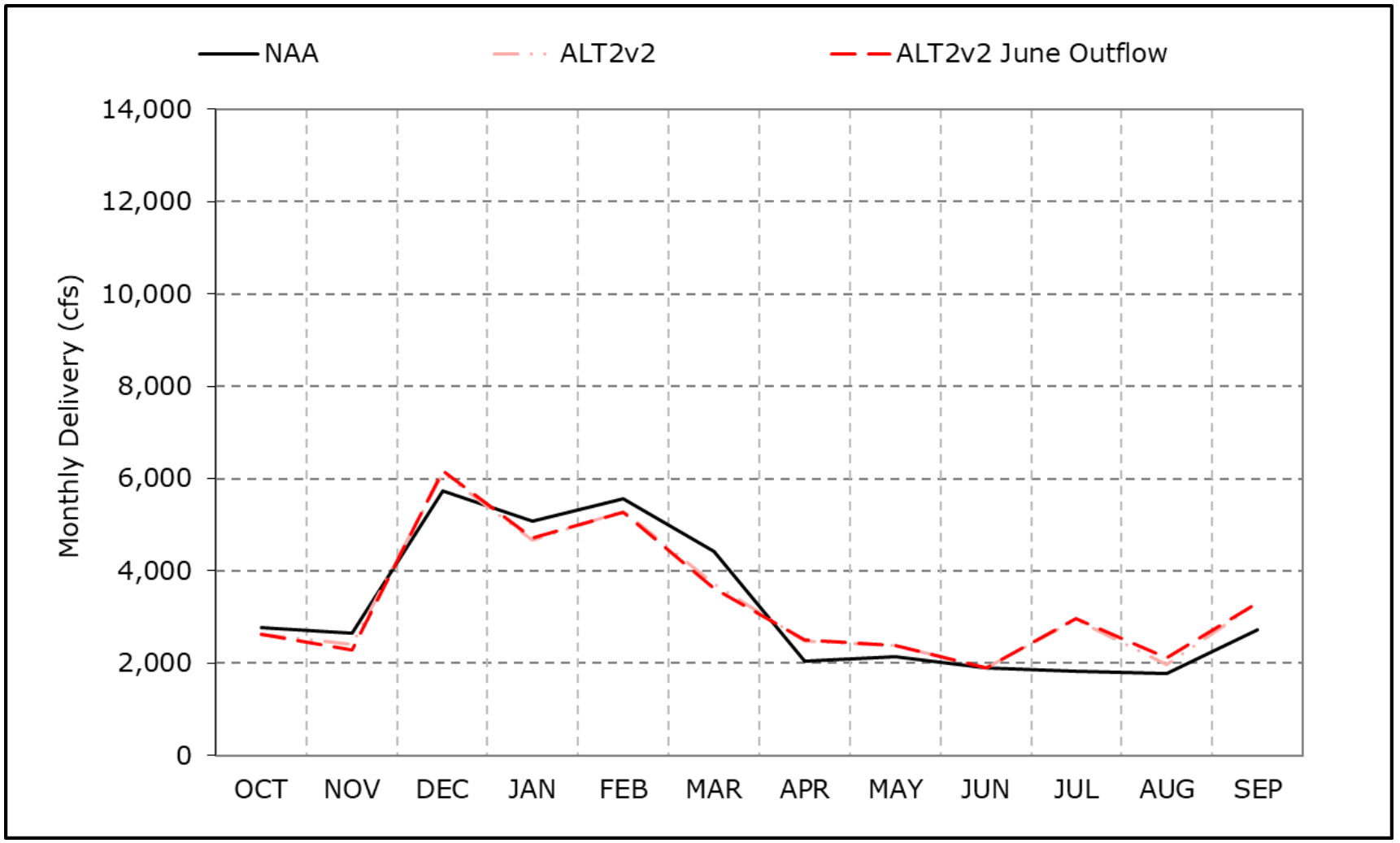
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-4. Total Delta Exports, Below Normal Year Average Delivery



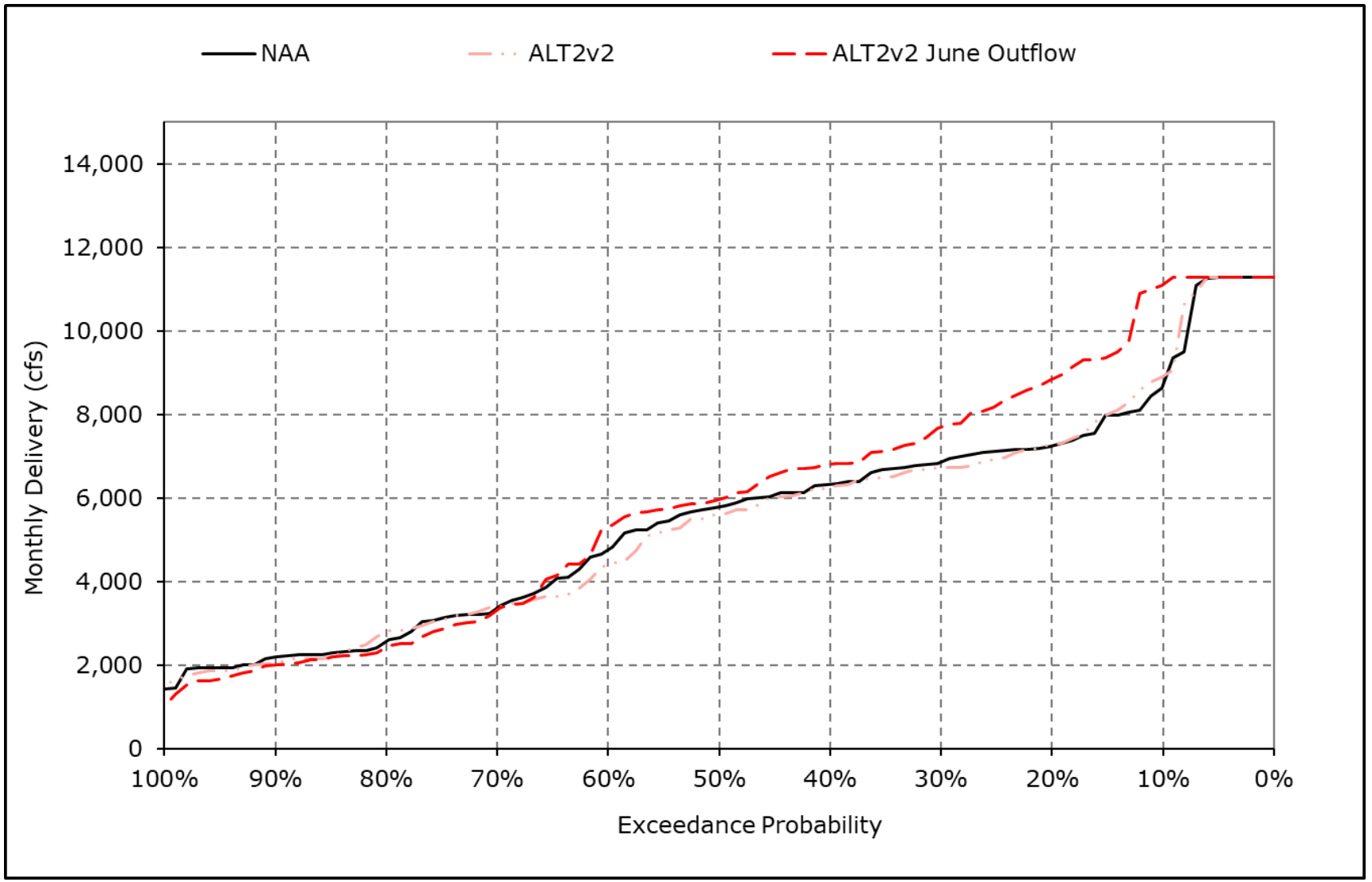
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-5. Total Delta Exports, Dry Year Average Delivery



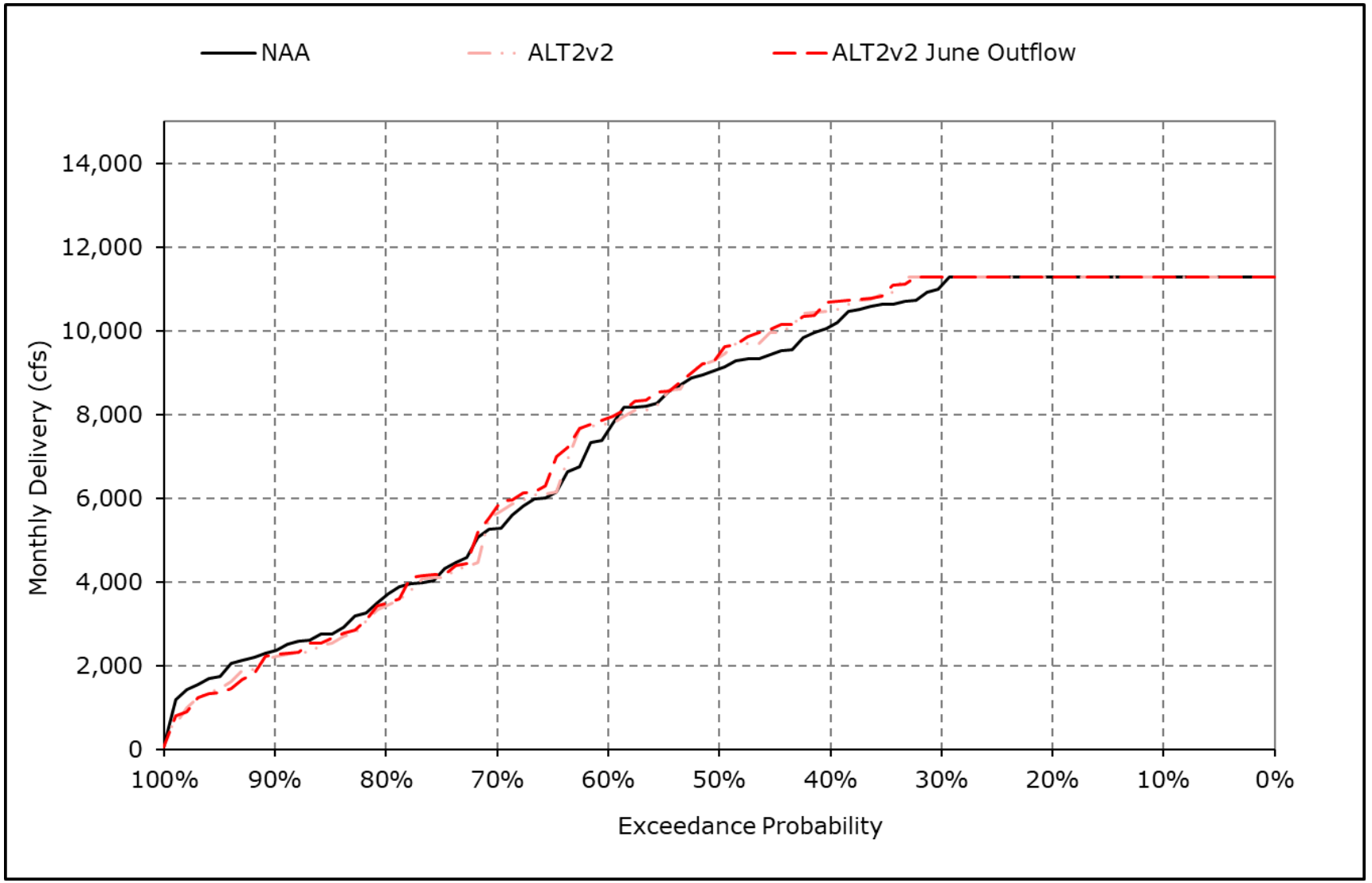
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-6. Total Delta Exports, Critical Year Average Delivery



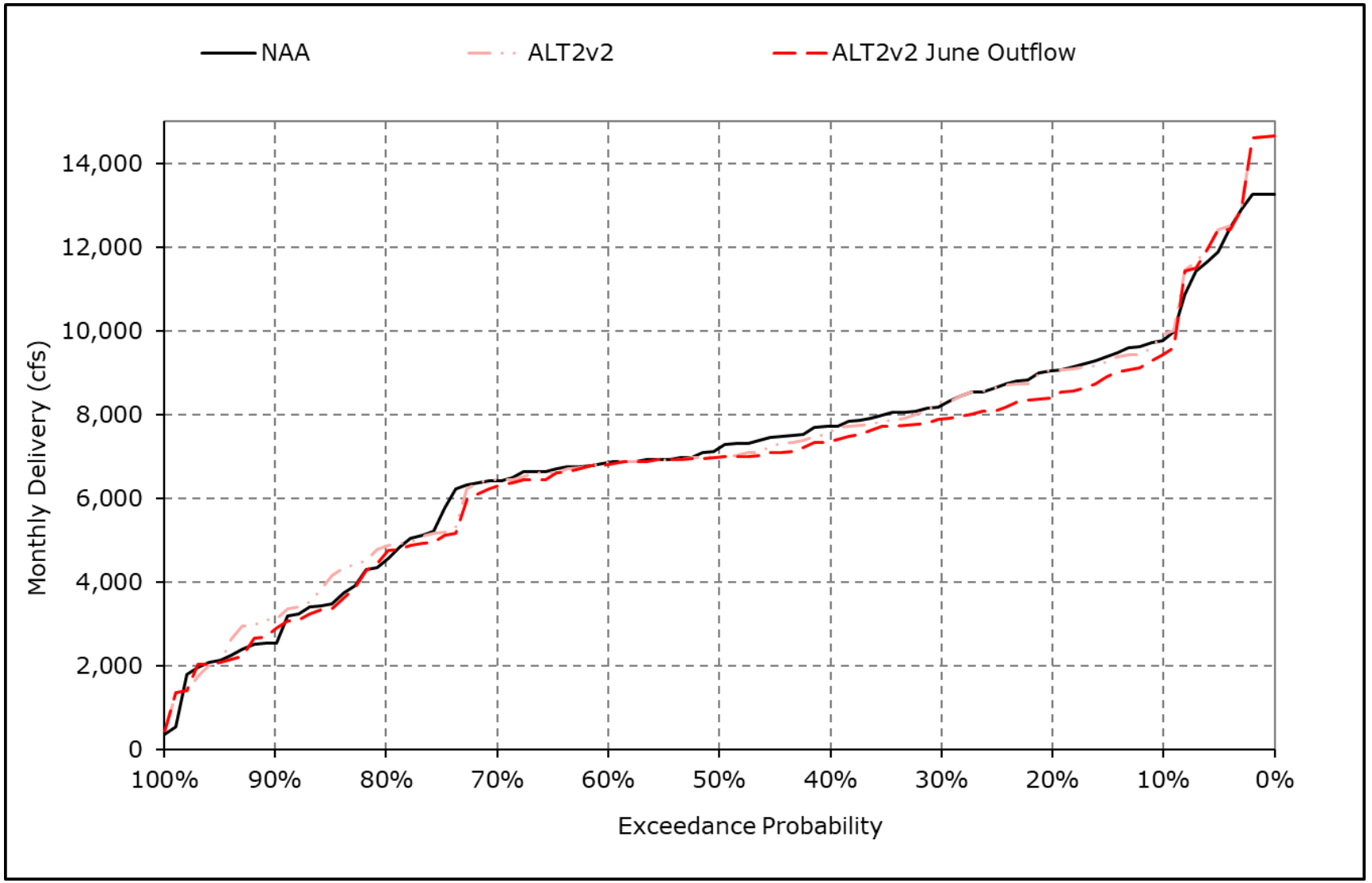
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-7. Total Delta Exports, October



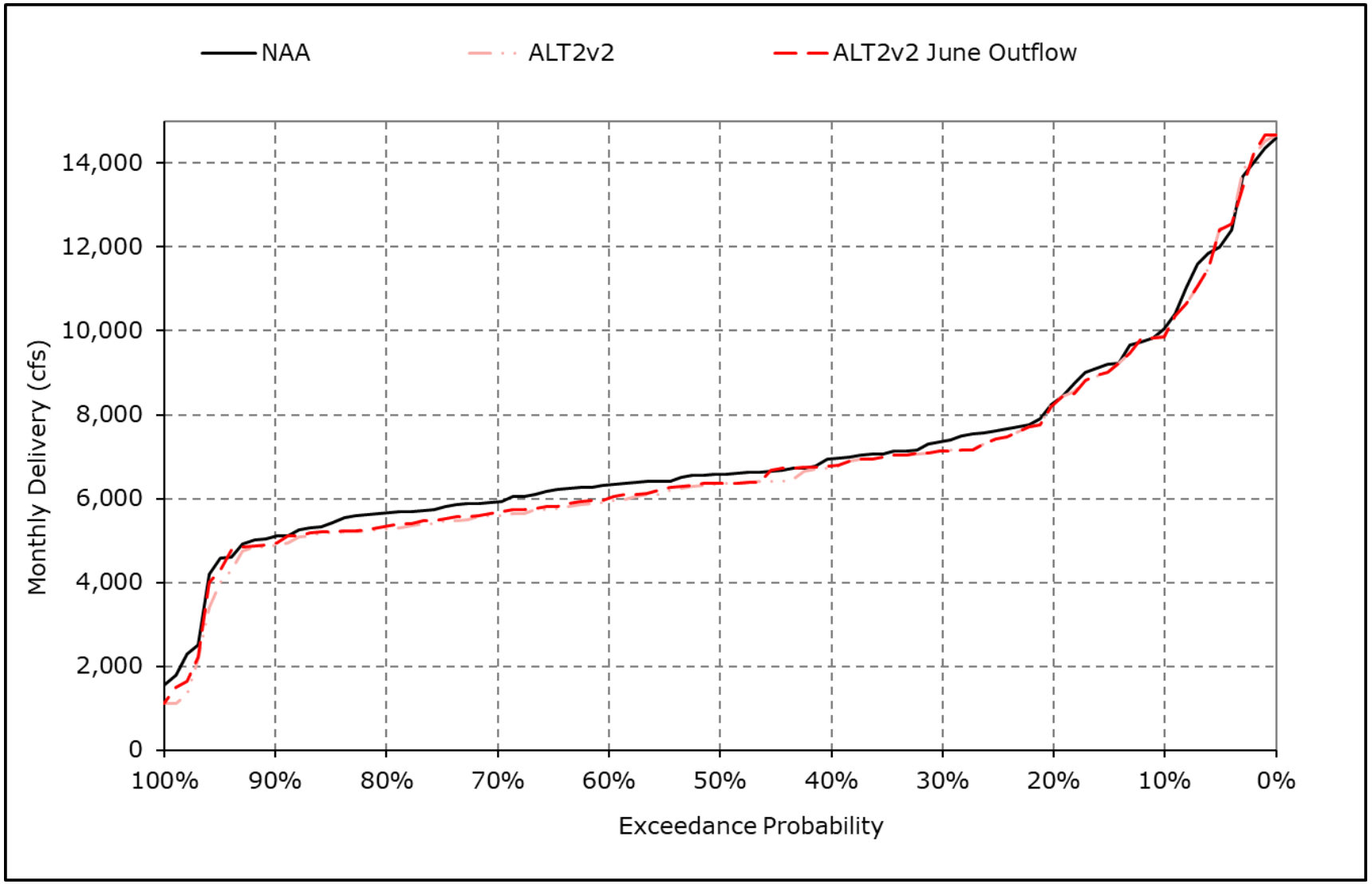
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-8. Total Delta Exports, November



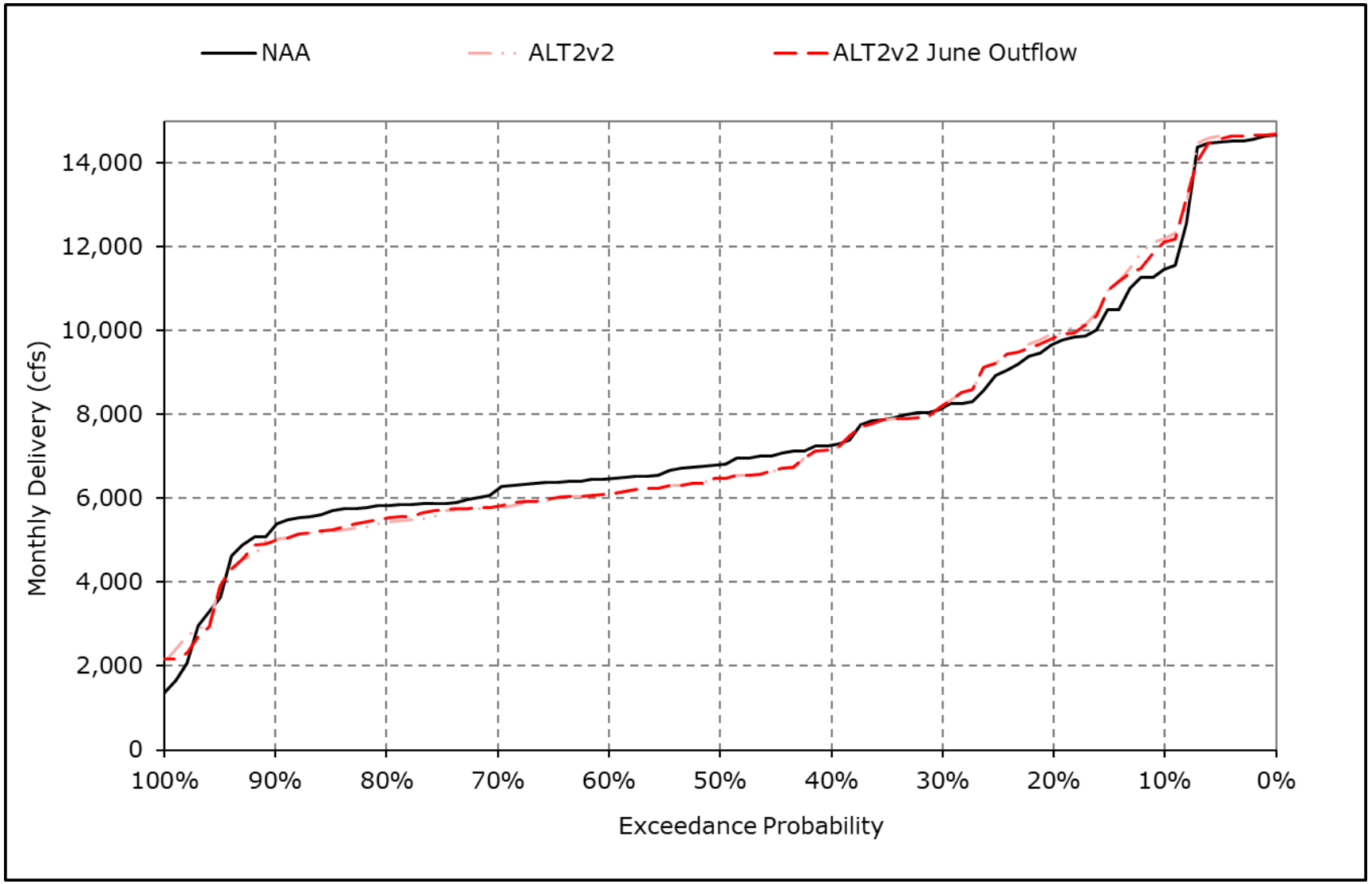
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-9. Total Delta Exports, December



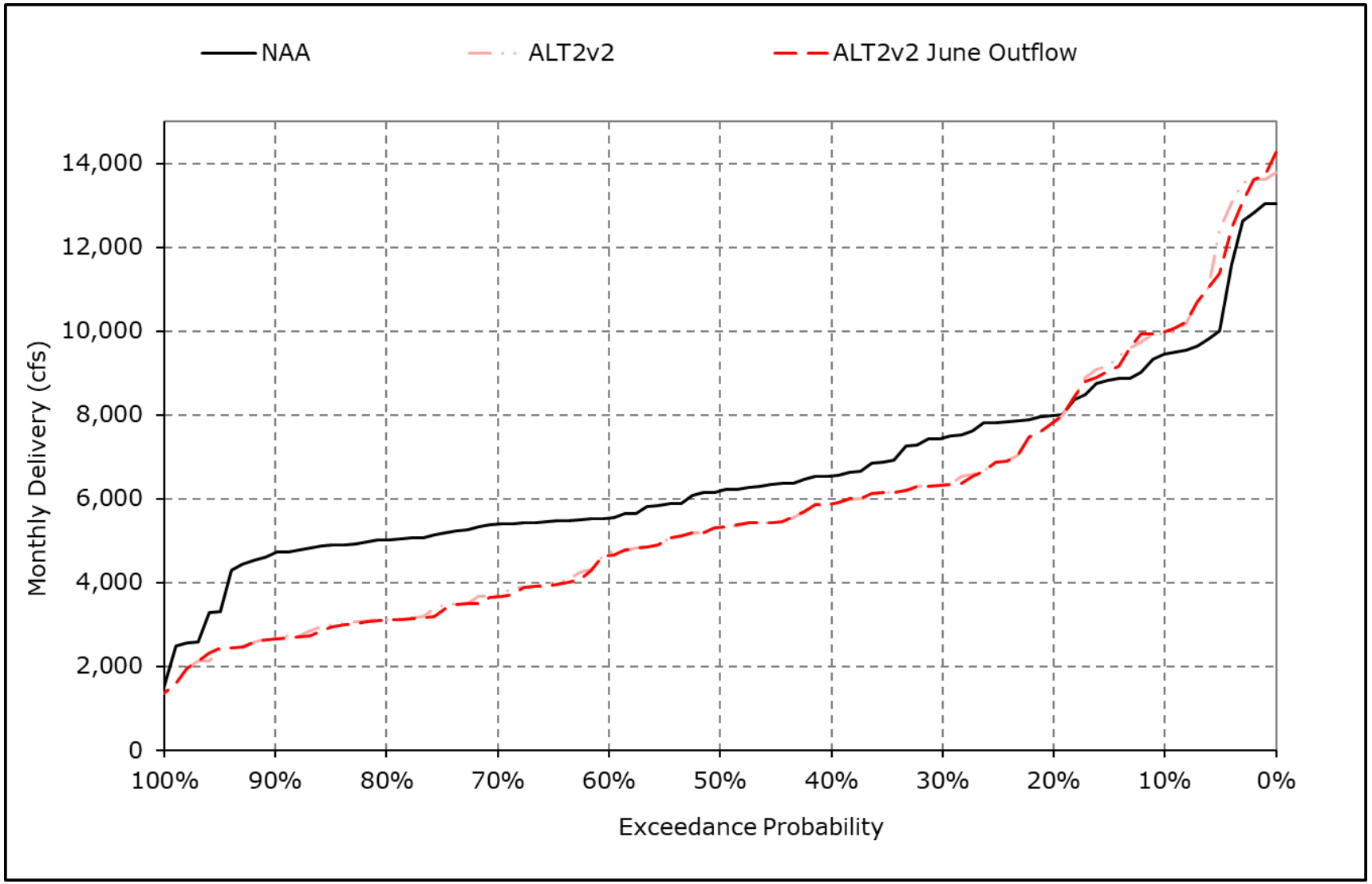
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-10. Total Delta Exports, January



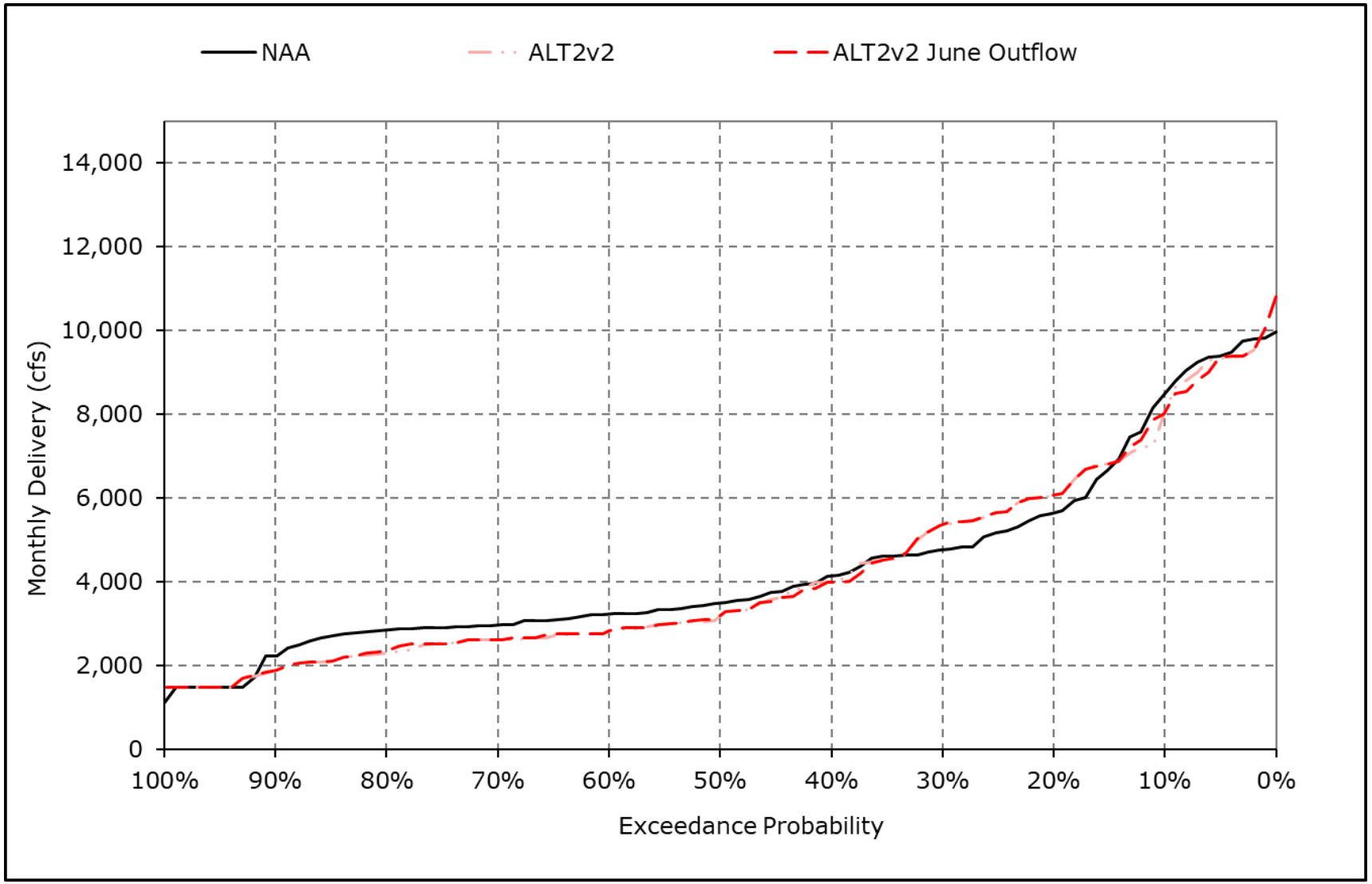
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-11. Total Delta Exports, February



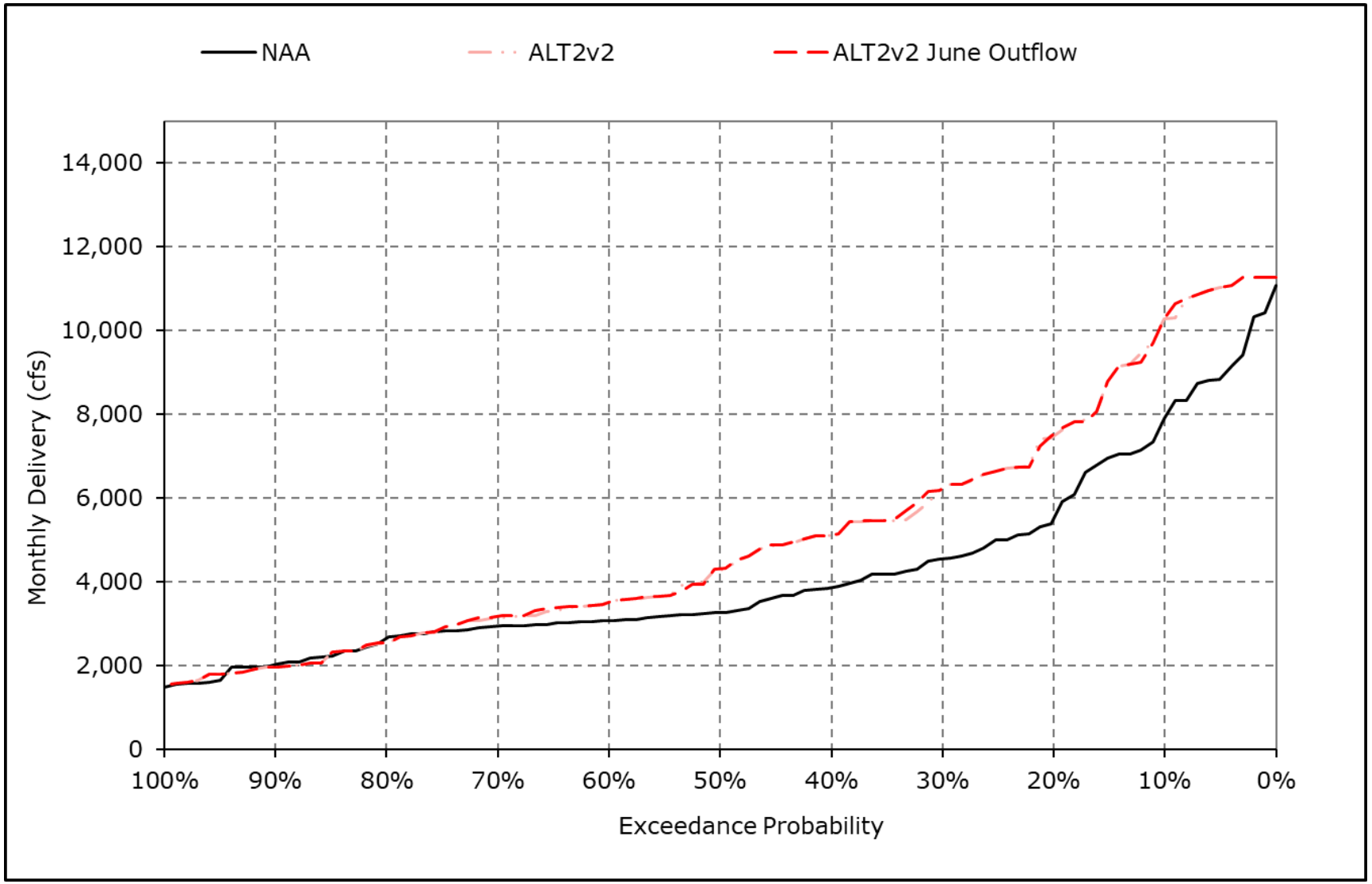
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-12. Total Delta Exports, March



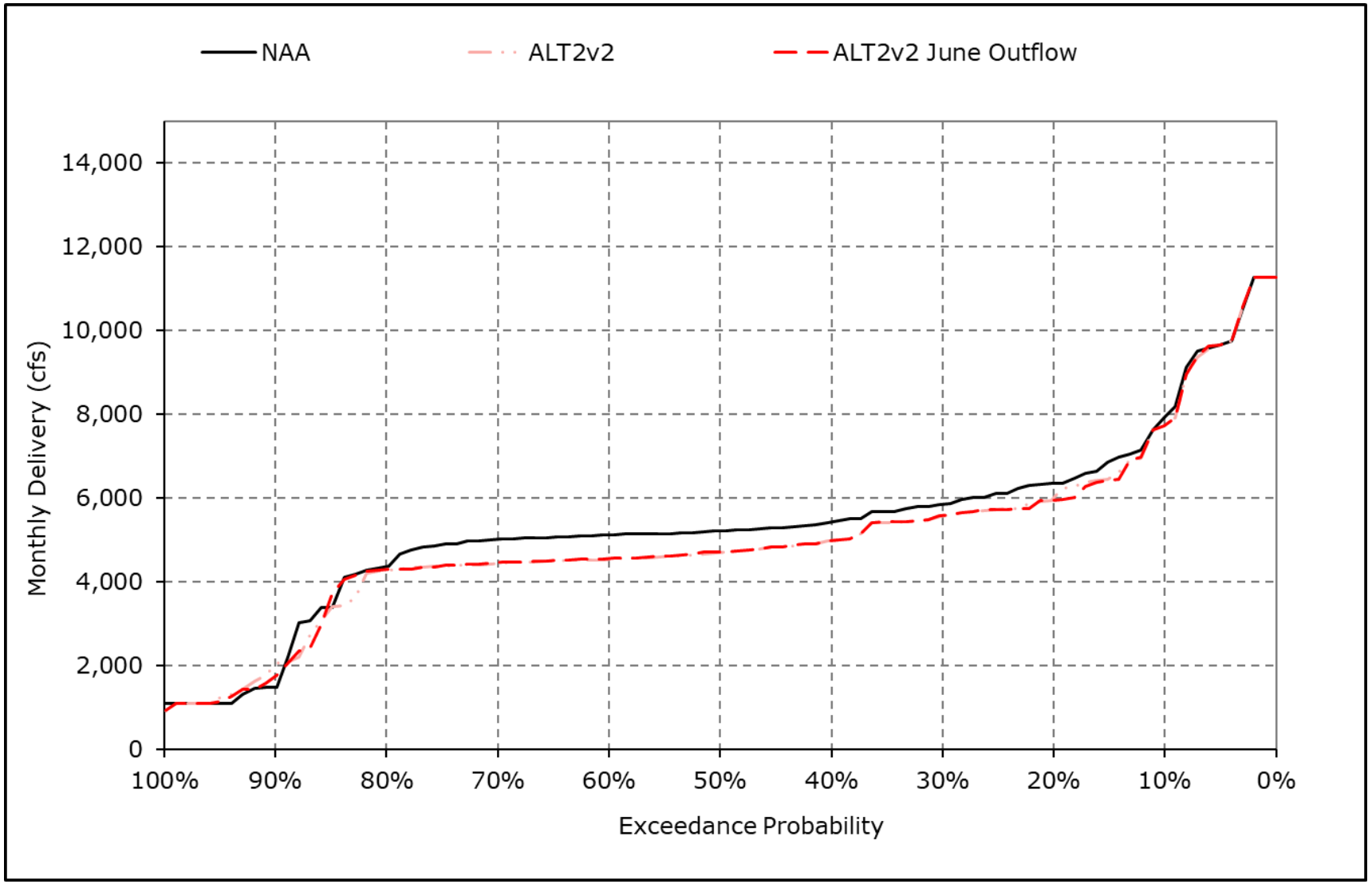
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-13. Total Delta Exports, April



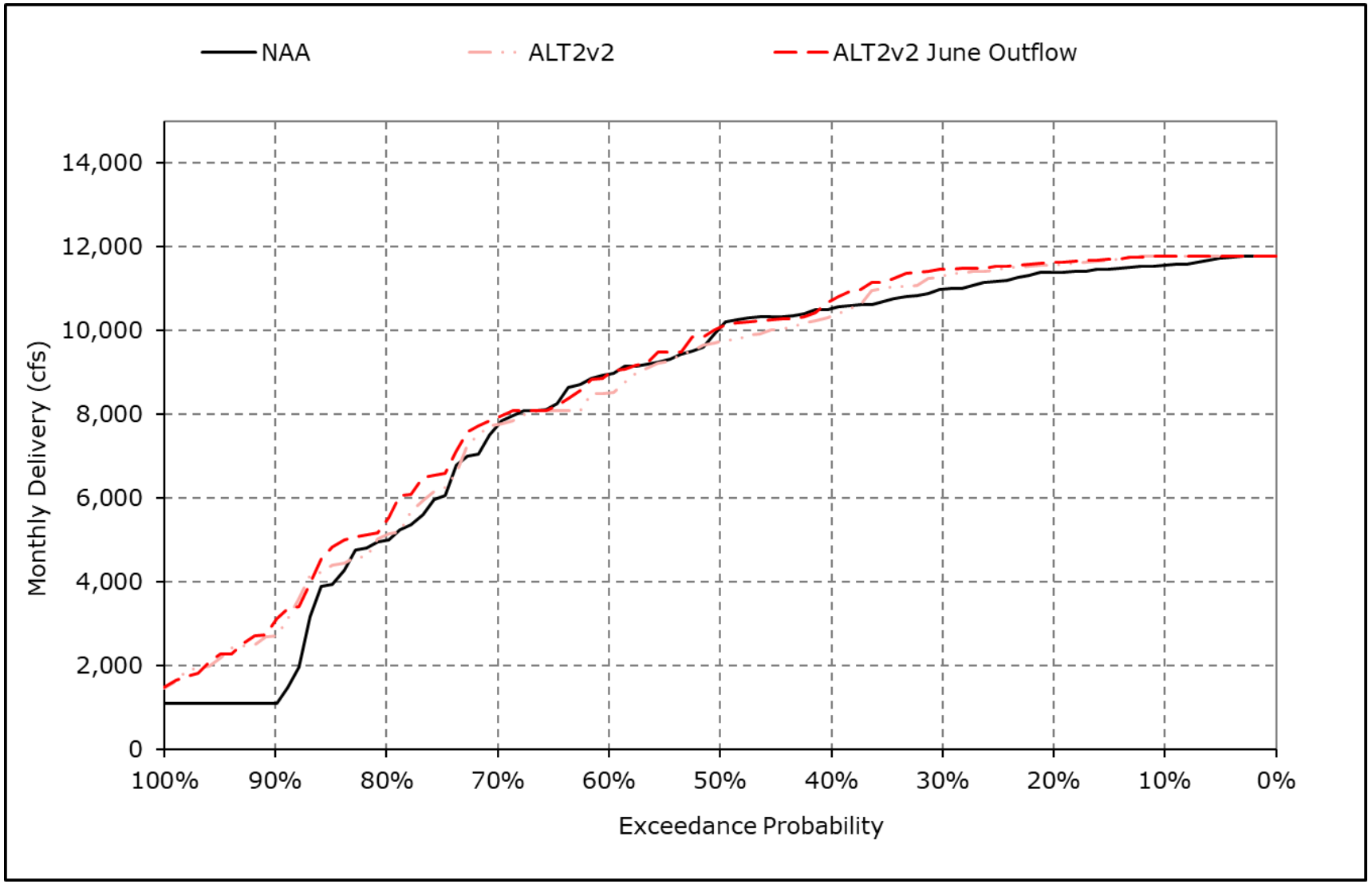
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-14. Total Delta Exports, May



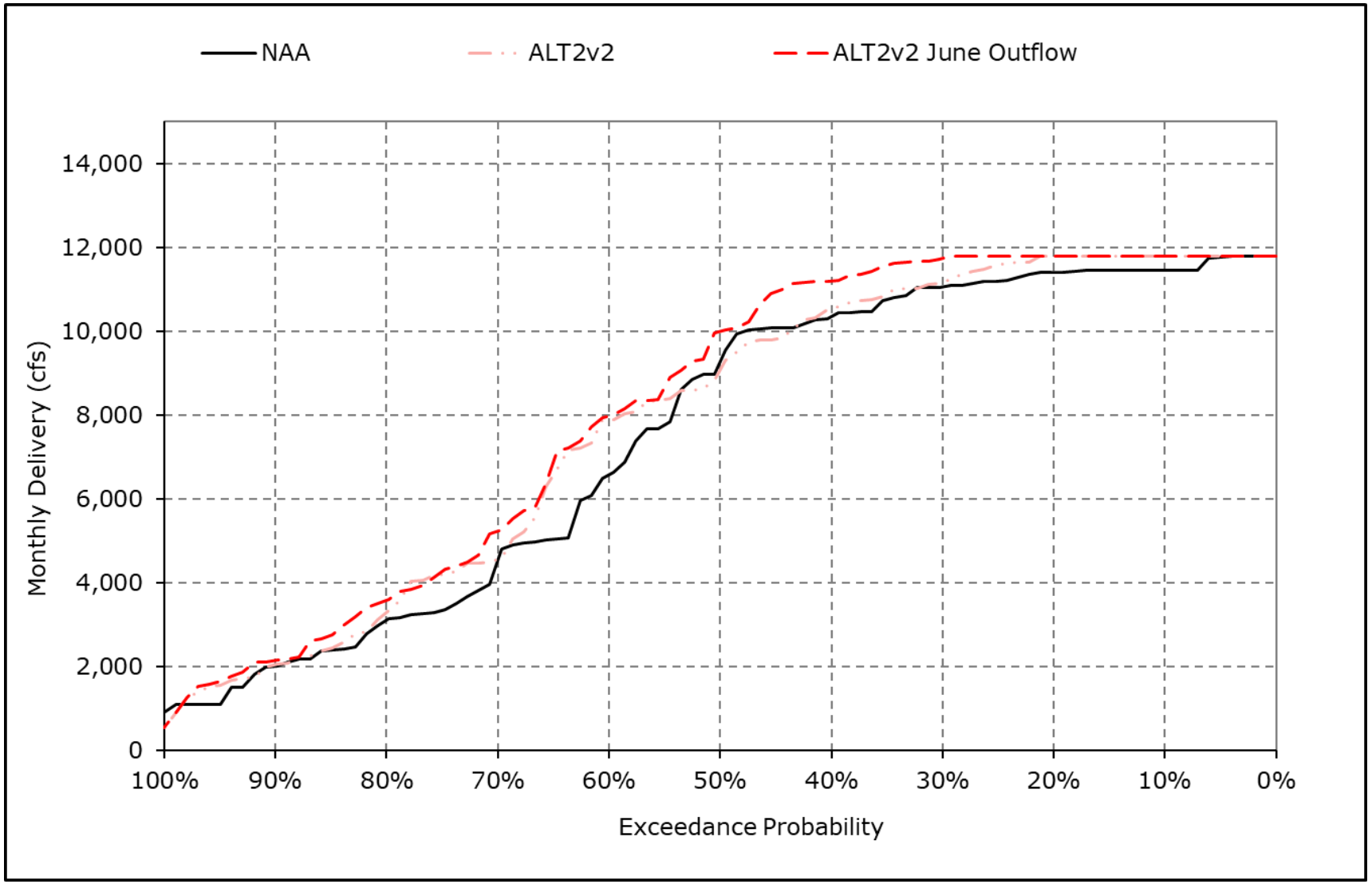
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-15. Total Delta Exports, June



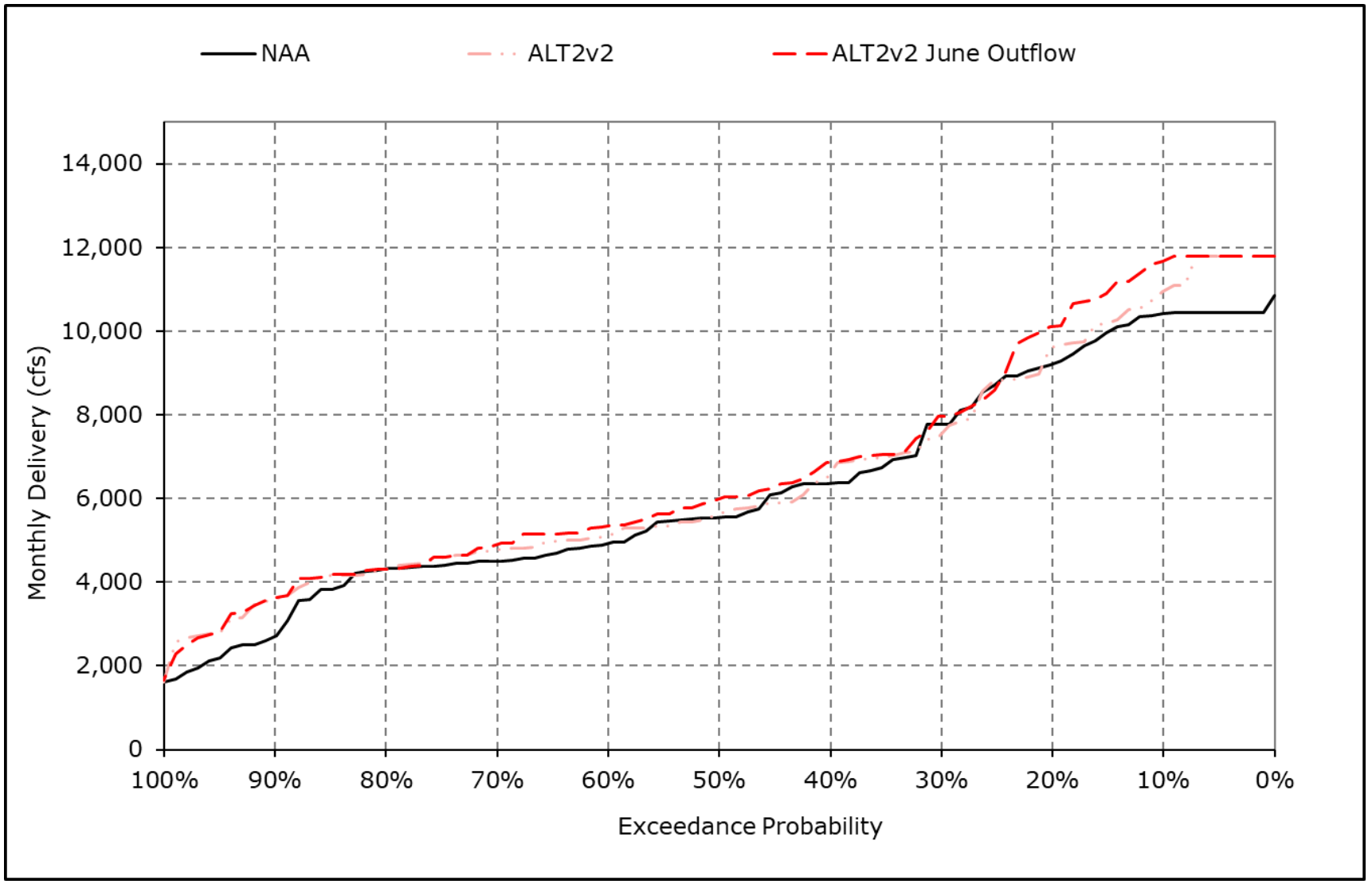
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-16. Total Delta Exports, July



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

Figure F.2.3-8-17. Total Delta Exports, August



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

Figure F.2.3-8-18. Total Delta Exports, September

Table F.2.3-9-1a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-1b. Jones Pumping Plant Exports, ALT2v2, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,894	4,595	4,580	4,587	4,592	4,597
20% Exceedance	3,964	4,599	4,599	4,405	4,597	3,933	3,298	4,373	3,762	4,555	4,592	4,597
30% Exceedance	3,435	4,599	4,460	4,216	4,311	3,274	2,789	3,787	3,243	4,381	4,577	4,597
40% Exceedance	3,174	4,599	4,195	3,824	4,004	3,098	2,381	3,176	2,898	3,872	4,223	4,117
50% Exceedance	2,921	4,568	4,027	3,534	3,827	2,857	2,141	2,473	2,760	3,172	3,656	3,925
60% Exceedance	2,674	3,703	3,441	3,369	3,658	2,295	2,022	2,191	2,675	2,869	2,923	3,764
70% Exceedance	2,384	2,677	2,533	3,155	3,459	1,864	1,856	2,050	2,542	2,302	2,413	3,549
80% Exceedance	1,851	1,915	1,733	2,917	3,243	1,650	1,703	1,692	1,882	1,697	1,631	3,149
90% Exceedance	1,515	1,322	1,237	2,253	2,821	1,492	1,114	1,505	1,022	909	1,105	2,598
Full Simulation Period Average[a]	2,945	3,504	3,326	3,505	3,727	2,804	2,381	2,872	2,788	3,105	3,213	3,804
Wet Water Years (28%)	3,974	4,455	3,851	4,121	4,016	3,434	3,017	4,214	3,810	3,340	4,016	4,204
Above Normal Water Years (14%)	3,047	4,468	4,147	3,957	4,217	2,829	2,270	3,361	3,191	3,616	3,990	3,545
Below Normal Water Years (18%)	2,839	3,607	3,449	3,527	3,826	2,160	2,530	2,491	2,569	3,476	3,632	4,429
Dry Water Years (24%)	2,341	2,957	2,479	3,083	3,396	2,831	1,971	2,094	2,472	3,323	2,883	3,929
Critical Water Years (16%)	2,014	1,515	2,733	2,641	3,174	2,365	1,816	1,691	1,365	1,501	1,148	2,443

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

Table F.2.3-9-1c. Jones Pumping Plant Exports, ALT2v2 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-99	0	-11	-3	0	0
20% Exceedance	-89	0	0	-92	0	-472	-257	239	-249	52	0	0
30% Exceedance	-76	0	-74	-23	-39	-540	-511	141	-356	126	109	61
40% Exceedance	47	0	-25	-130	-219	-448	-468	-65	-411	20	9	-26
50% Exceedance	-41	237	-33	-186	-190	-434	-429	-184	-358	-331	202	-17
60% Exceedance	-52	41	-215	-148	-203	-864	-269	-181	-379	-239	-200	23
70% Exceedance	192	-48	466	-190	-136	-1,169	-304	-155	-379	-335	-347	-12
80% Exceedance	70	-38	417	-80	-192	-1,062	-318	-293	-392	-252	-237	-124
90% Exceedance	-29	-105	434	296	185	-524	-430	-38	-167	118	-436	203
Full Simulation Period Average[a]	16	-10	67	-47	-43	-538	-311	-49	-284	-69	-89	25
Wet Water Years (28%)	-26	-4	-107	-18	200	77	-397	46	-251	-259	-155	-14
Above Normal Water Years (14%)	23	-19	4	-41	65	-734	-1,129	9	-281	171	18	16
Below Normal Water Years (18%)	-86	62	-8	-108	-135	-1,176	-157	-202	-410	-224	-101	43
Dry Water Years (24%)	47	-97	64	-99	-266	-746	-320	-176	-372	-95	0	-74
Critical Water Years (16%)	161	42	550	41	-127	-413	395	96	-68	264	-189	227

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

Table F.2.3-9-2a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-2b. Jones Pumping Plant Exports, ALT2v2 June Outflow, Monthly Delivery (cfs)

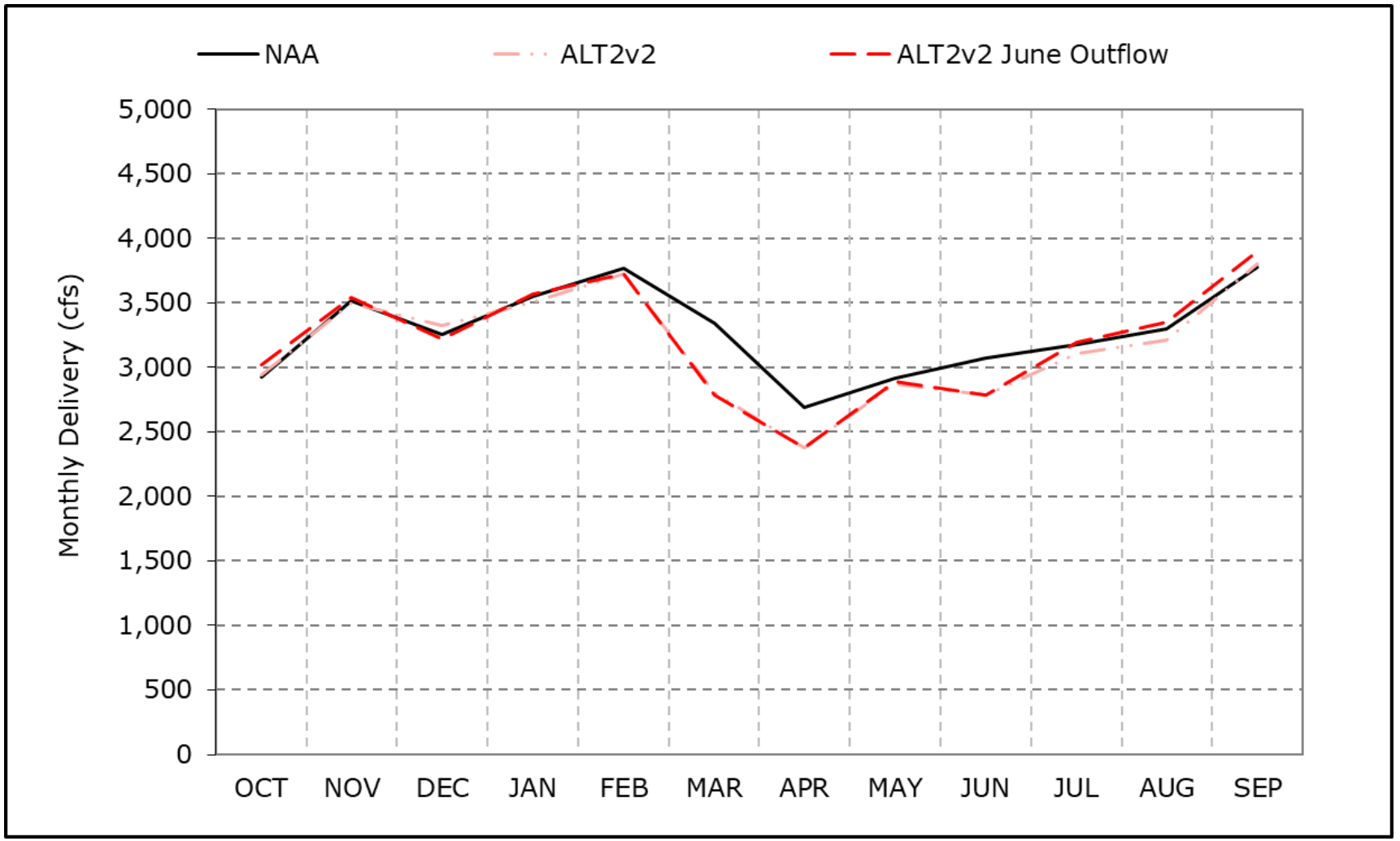
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,830	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,598	4,599	4,599	4,450	4,597	3,933	3,303	4,368	3,526	4,558	4,592	4,597
30% Exceedance	3,765	4,599	4,450	4,227	4,311	3,235	2,696	3,791	3,250	4,497	4,592	4,597
40% Exceedance	3,324	4,599	4,158	3,994	3,995	3,038	2,381	3,182	2,905	4,032	4,463	4,503
50% Exceedance	3,048	4,599	3,863	3,643	3,801	2,848	2,158	2,465	2,750	3,342	4,024	4,059
60% Exceedance	2,750	3,969	2,957	3,375	3,650	2,237	2,056	2,225	2,679	3,071	3,379	3,854
70% Exceedance	2,173	2,712	2,302	3,174	3,464	1,902	1,886	2,085	2,559	2,414	2,658	3,673
80% Exceedance	1,749	1,966	1,570	3,061	3,264	1,655	1,712	1,710	2,005	1,702	1,788	3,396
90% Exceedance	1,511	1,282	1,136	2,388	2,868	1,494	1,084	1,515	1,114	939	1,107	2,660
Full Simulation Period Average[a]	3,026	3,546	3,222	3,565	3,726	2,785	2,377	2,889	2,783	3,194	3,356	3,904
Wet Water Years (28%)	4,267	4,469	3,695	4,100	3,973	3,432	2,966	4,227	3,801	3,457	4,265	4,375
Above Normal Water Years (14%)	3,322	4,489	3,738	3,930	4,218	2,831	2,280	3,354	3,147	3,904	4,353	3,877
Below Normal Water Years (18%)	2,705	3,671	3,417	3,632	3,793	2,210	2,547	2,570	2,578	3,503	3,657	4,432
Dry Water Years (24%)	2,238	3,098	2,451	3,232	3,397	2,763	1,991	2,096	2,503	3,373	2,954	3,960
Critical Water Years (16%)	2,055	1,443	2,825	2,734	3,282	2,293	1,816	1,690	1,333	1,498	1,157	2,424

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

Table F.2.3-9-2c. Jones Pumping Plant Exports, ALT2v2 June Outflow minus No Action Alternative, Monthly Delivery (cfs)

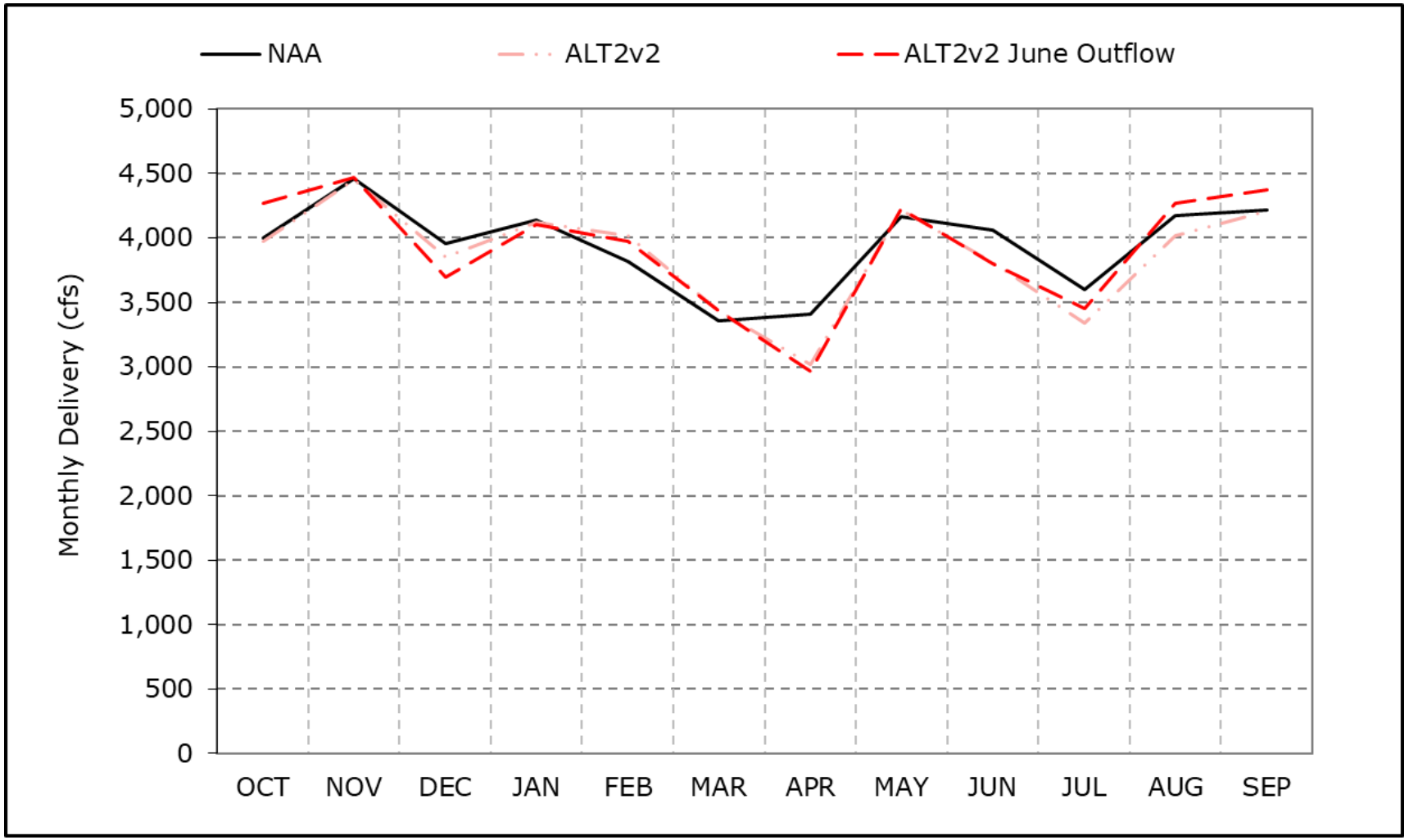
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-163	0	0	0	0	0
20% Exceedance	546	0	0	-47	0	-472	-253	234	-485	55	0	0
30% Exceedance	254	0	-84	-12	-39	-579	-604	145	-349	242	125	61
40% Exceedance	196	0	-62	40	-229	-508	-467	-59	-403	181	249	360
50% Exceedance	86	269	-197	-78	-216	-443	-412	-192	-368	-161	570	117
60% Exceedance	24	307	-699	-142	-210	-922	-235	-147	-375	-37	256	113
70% Exceedance	-19	-13	236	-171	-131	-1,130	-275	-119	-362	-223	-102	113
80% Exceedance	-33	13	254	63	-170	-1,058	-309	-275	-269	-247	-79	122
90% Exceedance	-32	-146	333	430	232	-522	-460	-28	-75	148	-435	265
Full Simulation Period Average[a]	97	32	-37	12	-44	-557	-316	-32	-288	20	54	124
Wet Water Years (28%)	267	10	-263	-40	156	74	-447	59	-260	-143	94	157
Above Normal Water Years (14%)	298	2	-406	-68	66	-731	-1,118	2	-325	460	381	348
Below Normal Water Years (18%)	-220	126	-40	-3	-168	-1,126	-140	-123	-401	-197	-77	47
Dry Water Years (24%)	-55	44	37	51	-264	-814	-300	-174	-342	-45	70	-44
Critical Water Years (16%)	201	-30	642	134	-19	-486	395	95	-101	261	-180	208

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



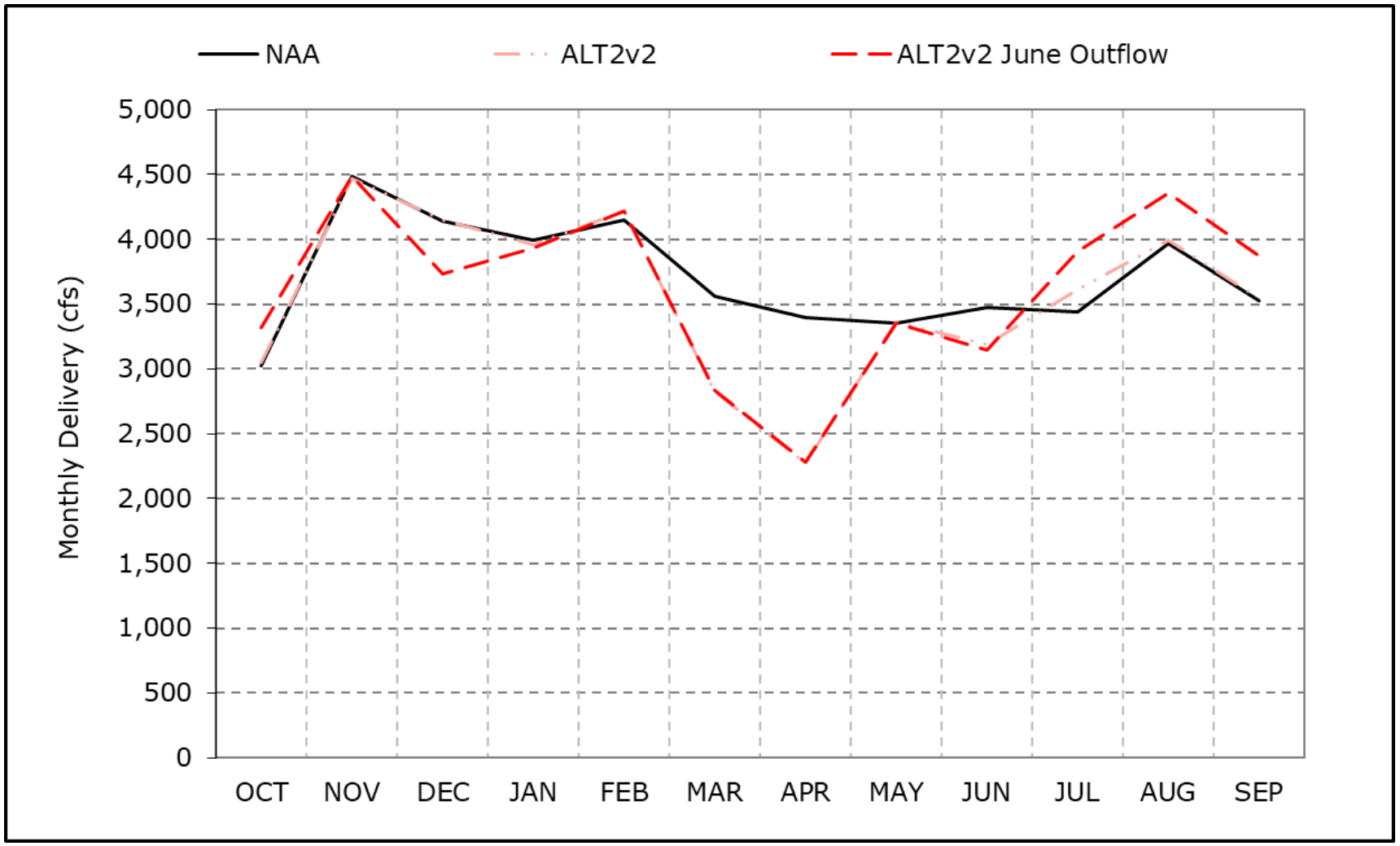
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-1. Jones Pumping Plant Exports, Long-Term Average Delivery



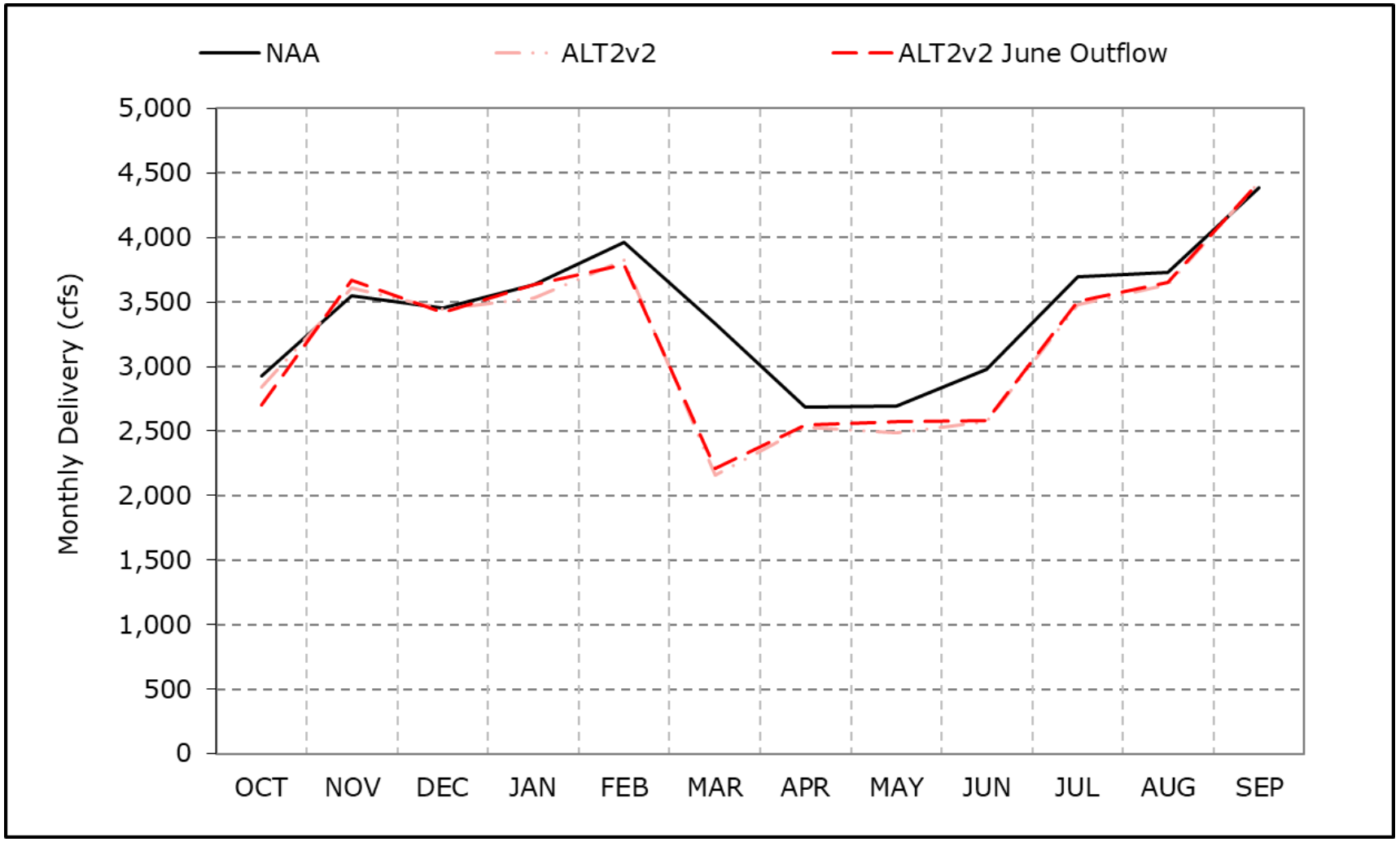
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-2. Jones Pumping Plant Exports, Wet Year Average Delivery



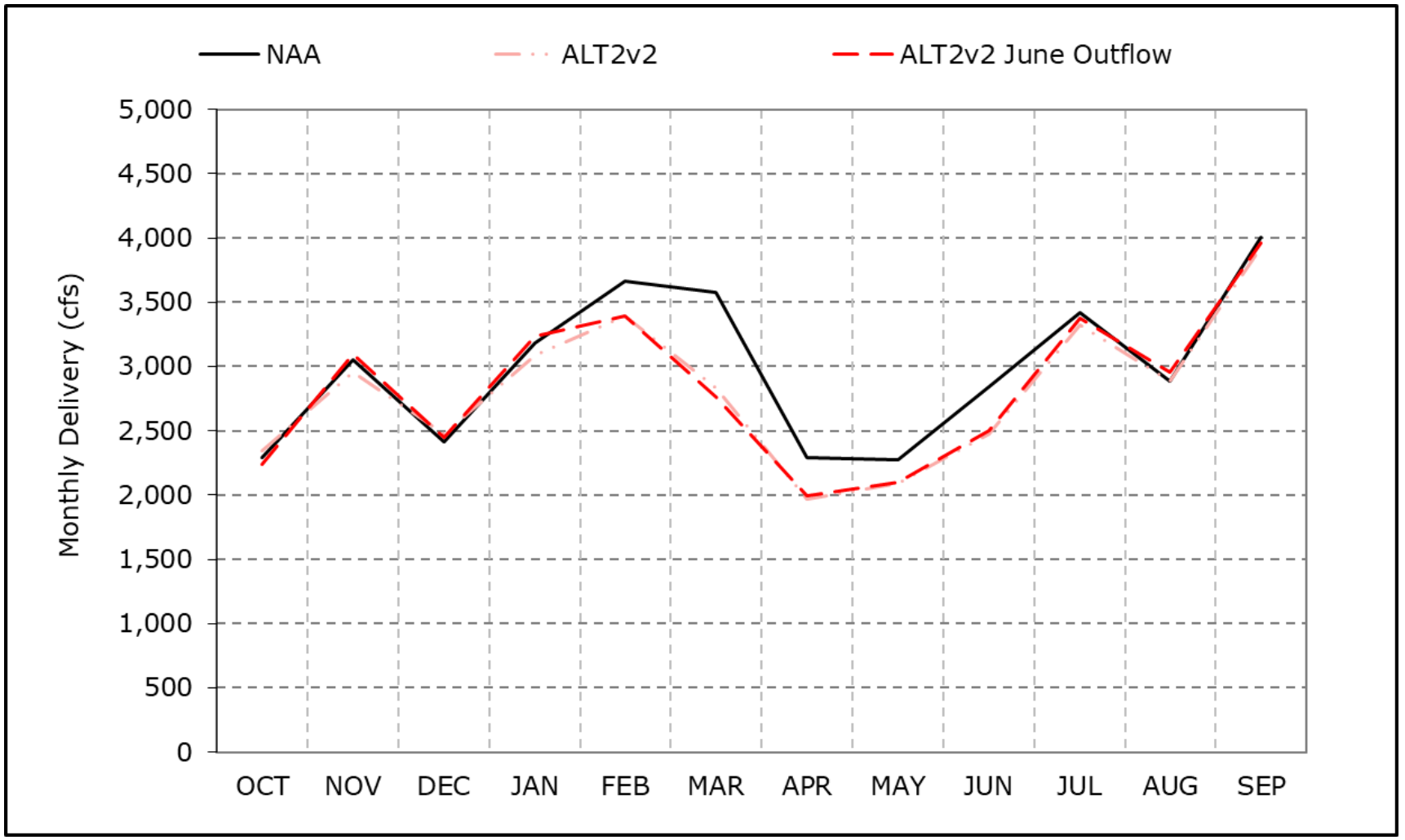
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-3. Jones Pumping Plant Exports, Above Normal Year Average Delivery



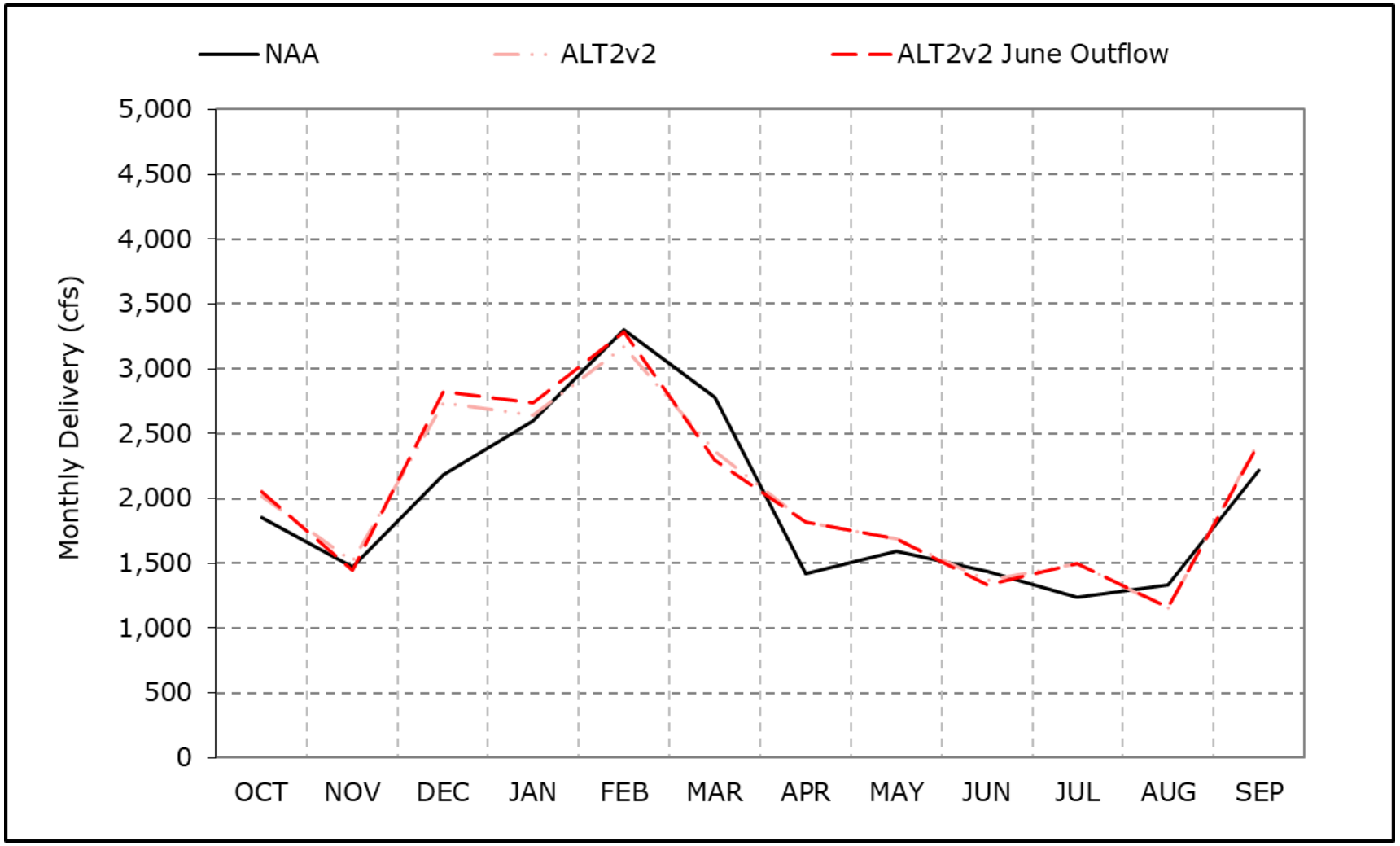
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-4. Jones Pumping Plant Exports, Below Normal Year Average Delivery



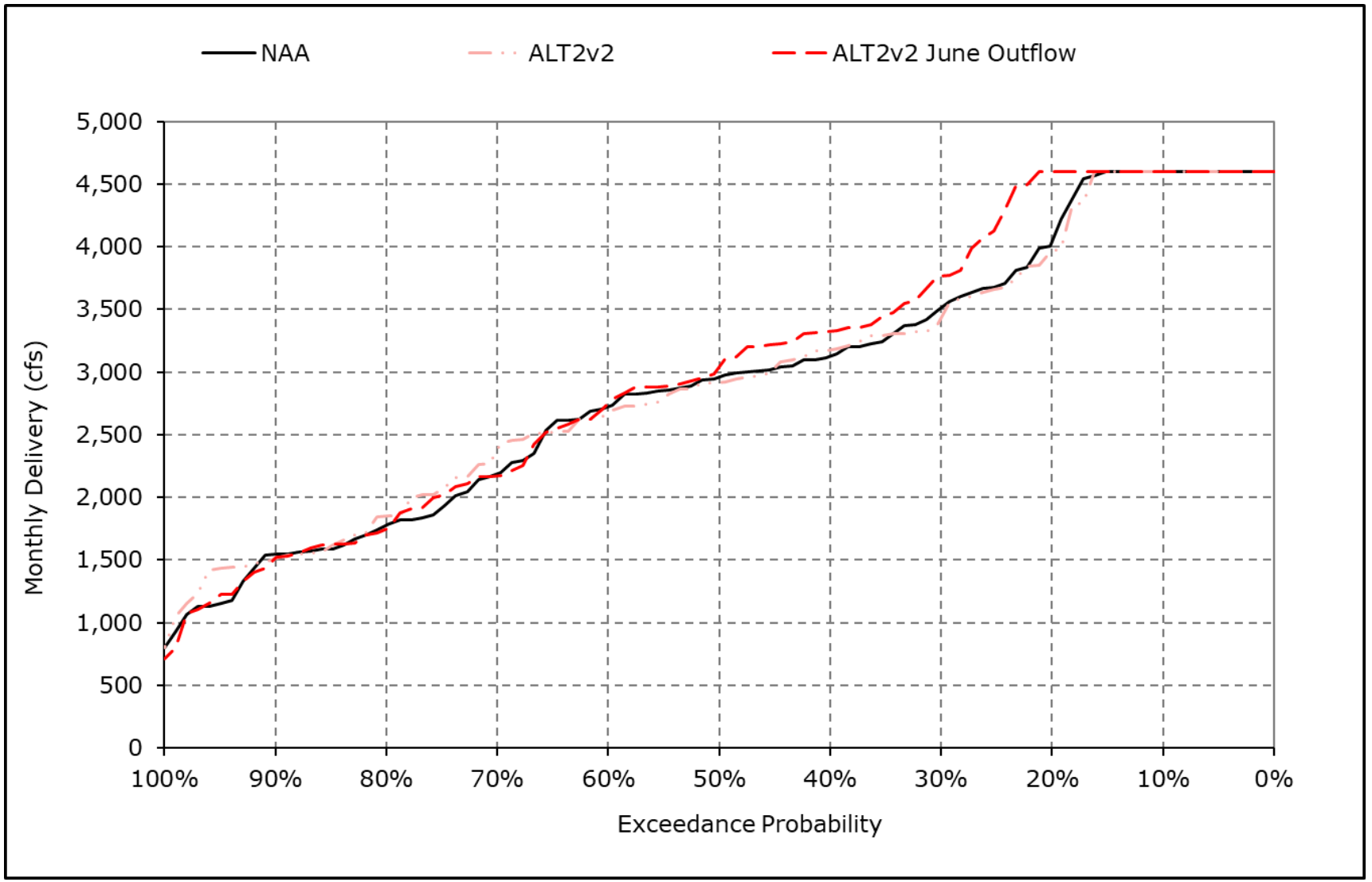
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-5. Jones Pumping Plant Exports, Dry Year Average Delivery



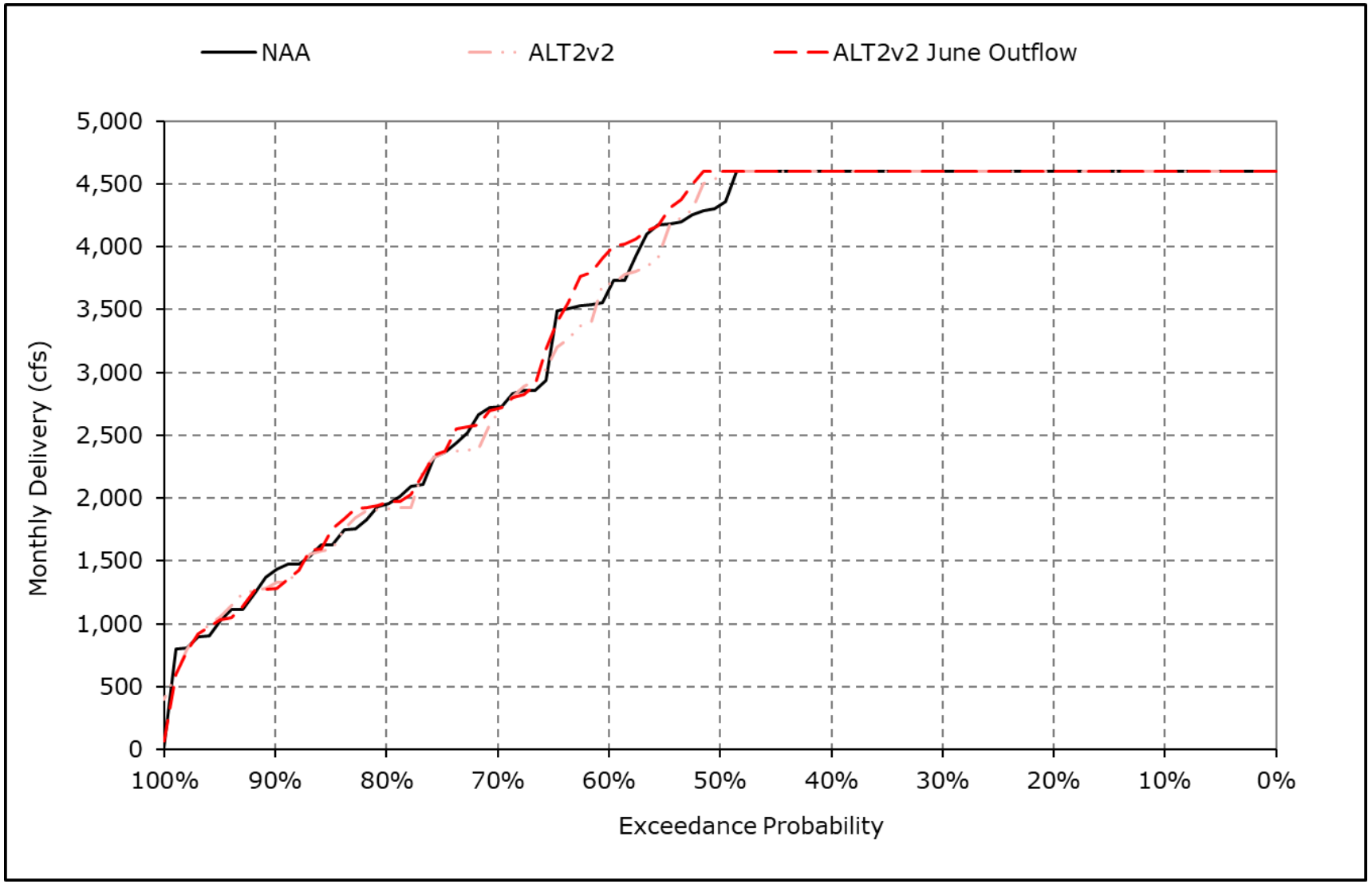
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-6. Jones Pumping Plant Exports, Critical Year Average Delivery



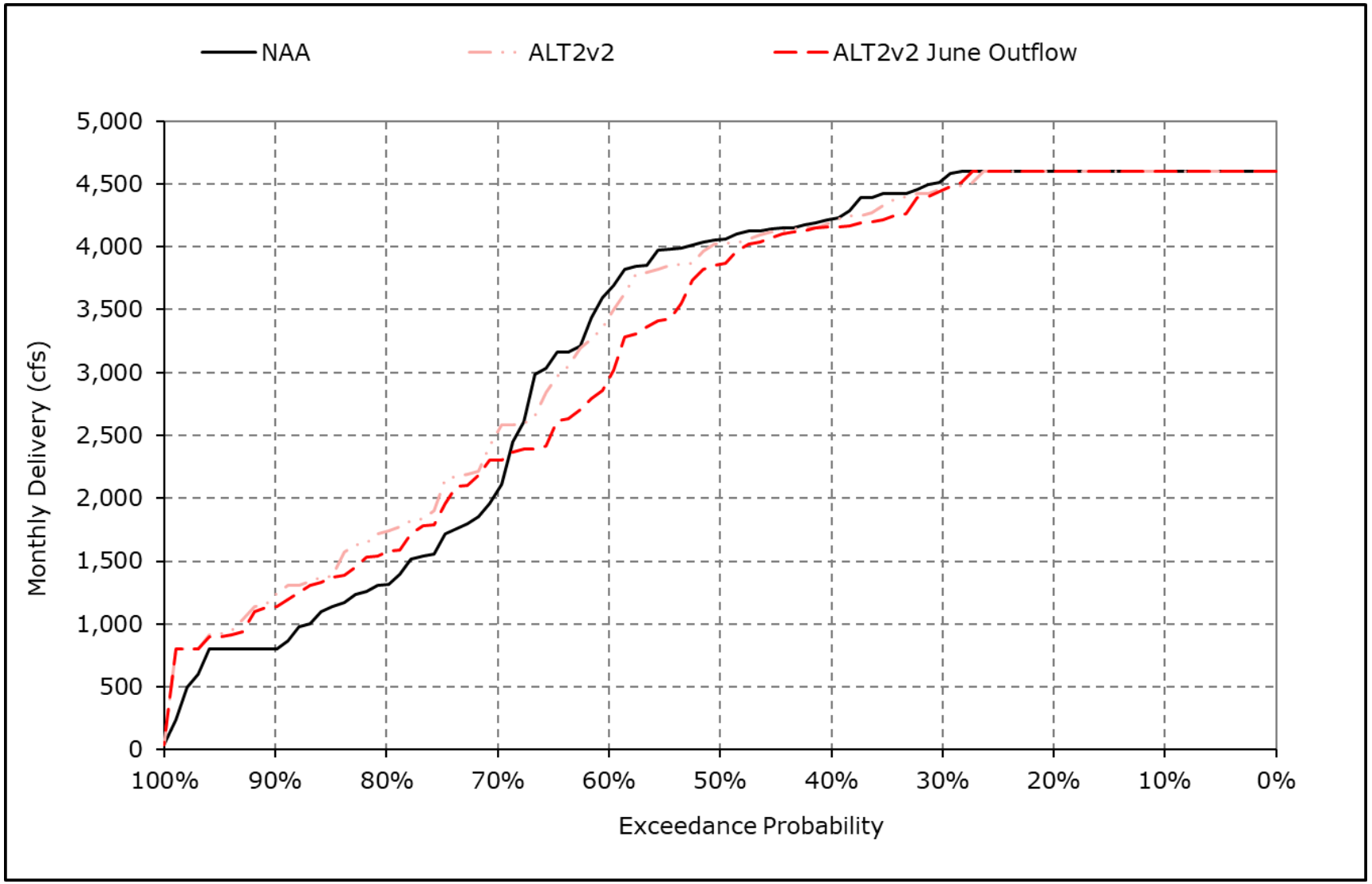
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-7. Jones Pumping Plant Exports, October



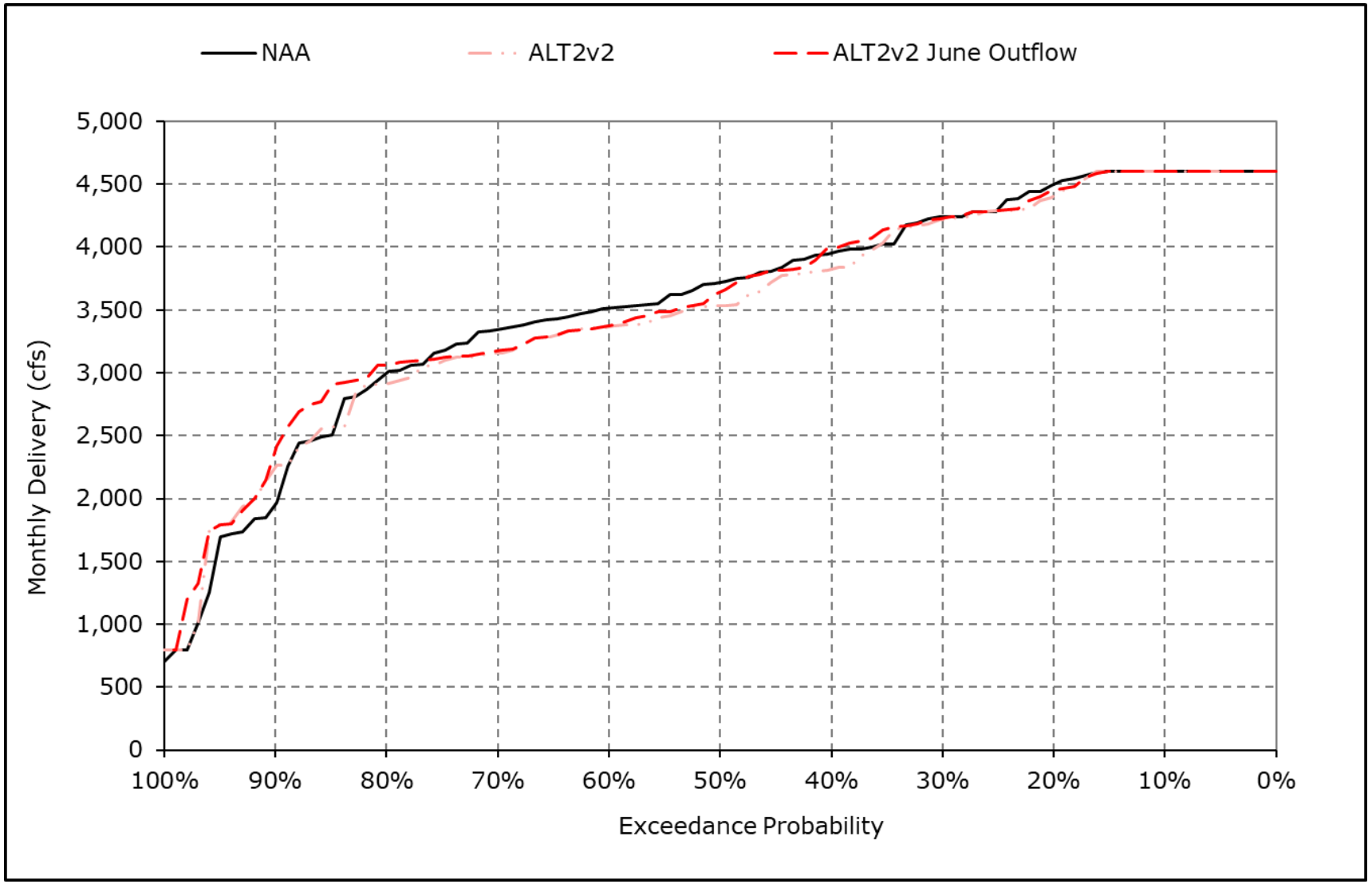
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-8. Jones Pumping Plant Exports, November



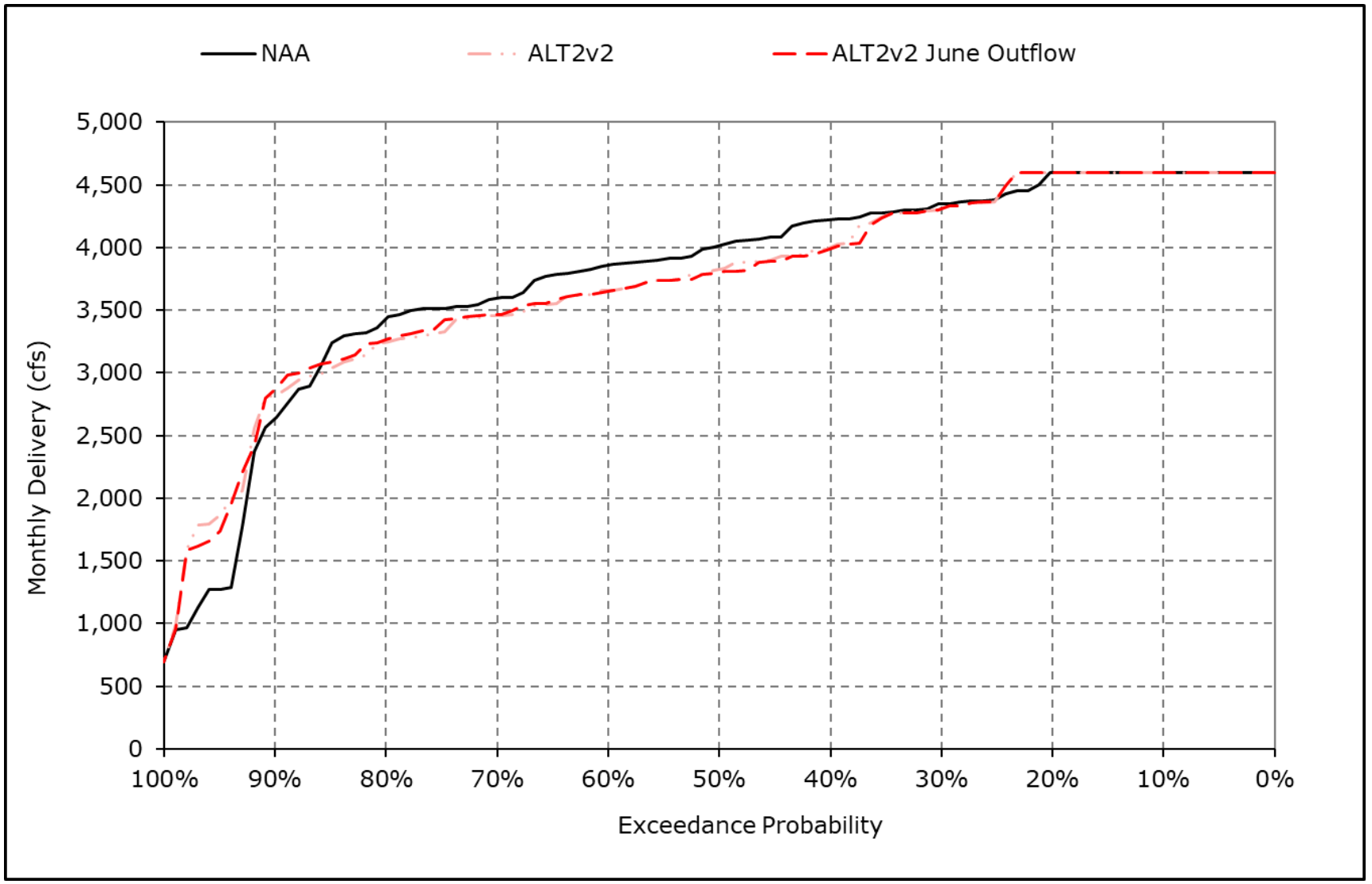
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-9. Jones Pumping Plant Exports, December



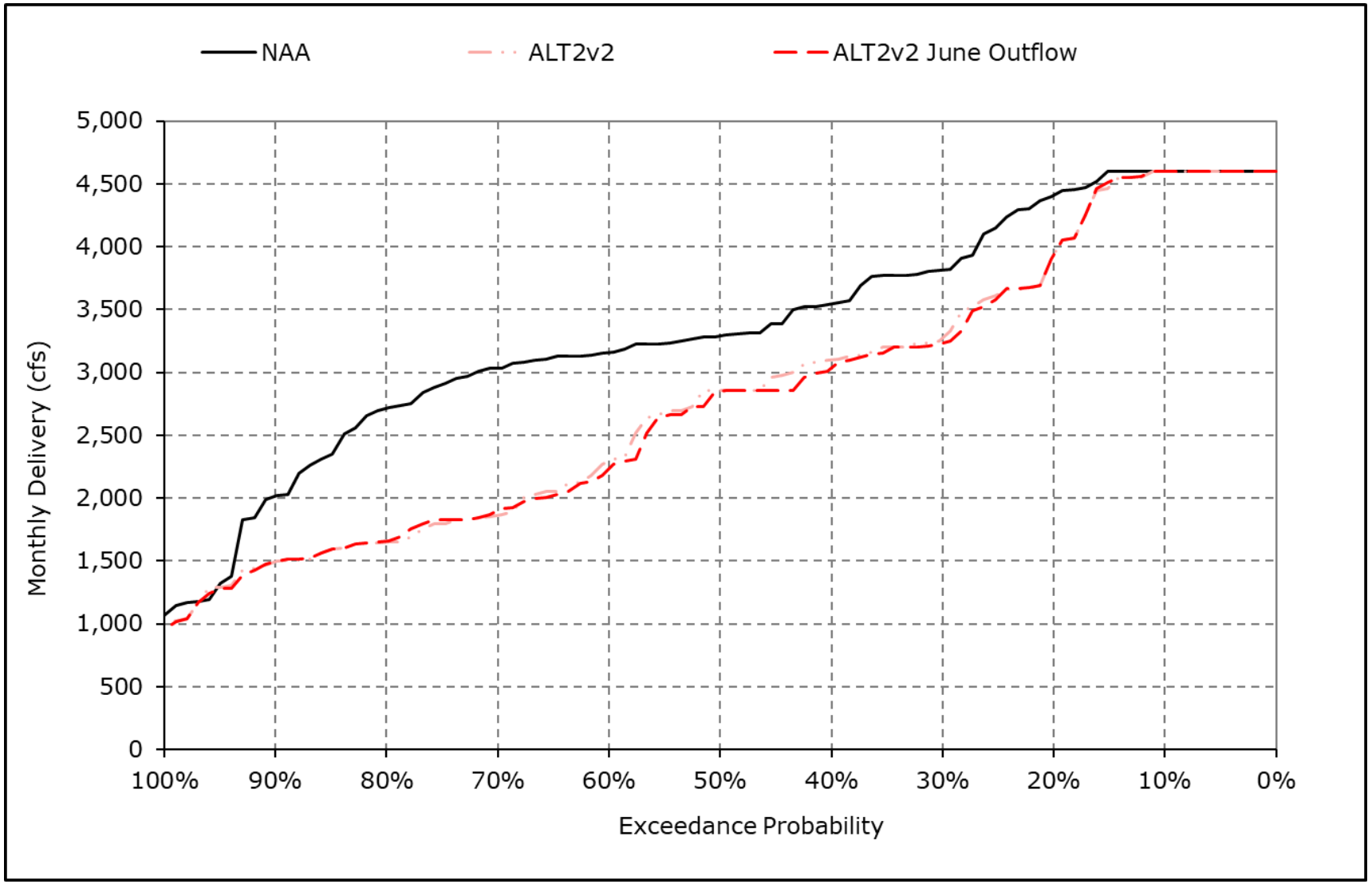
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-10. Jones Pumping Plant Exports, January



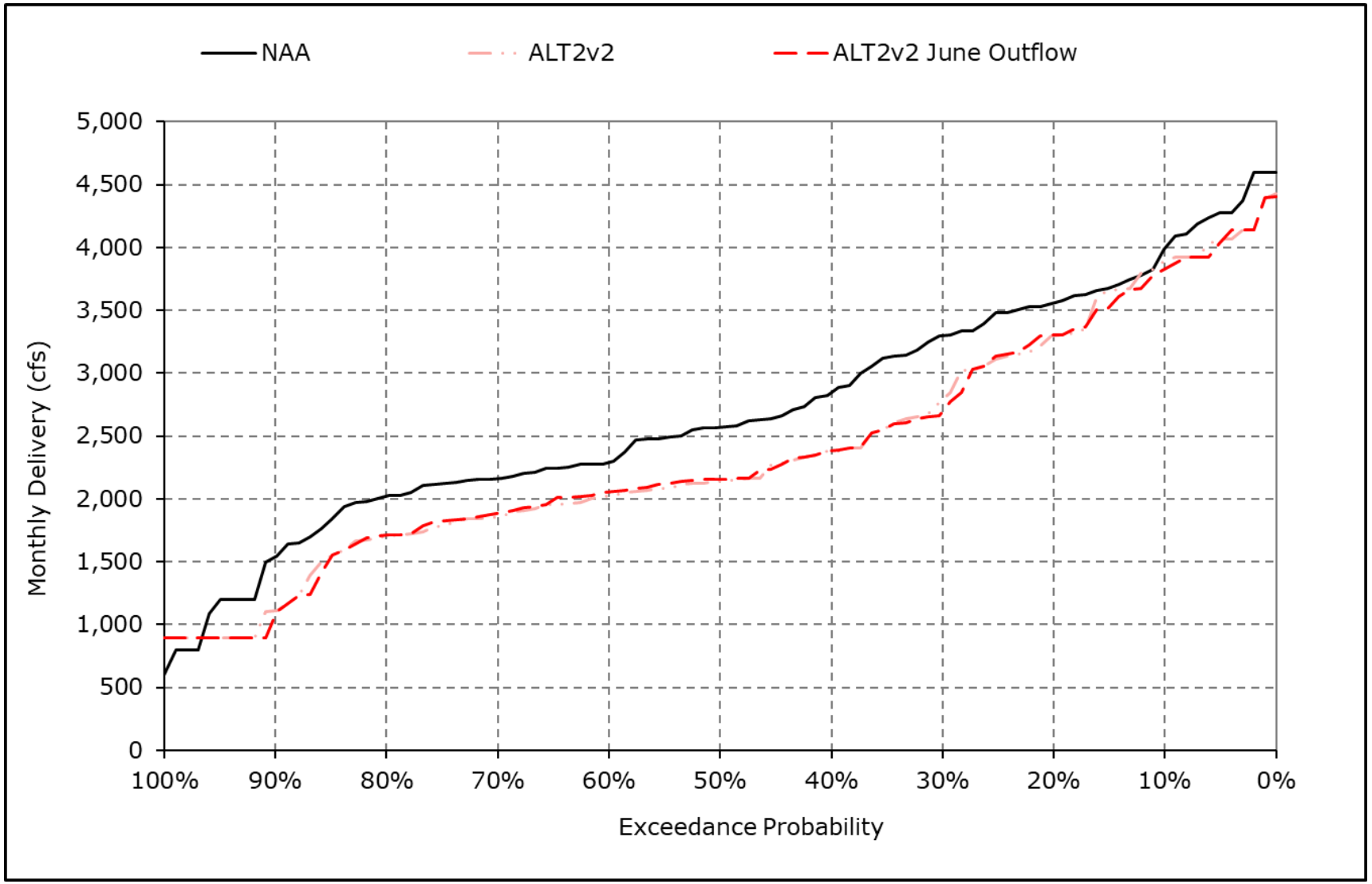
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-11. Jones Pumping Plant Exports, February



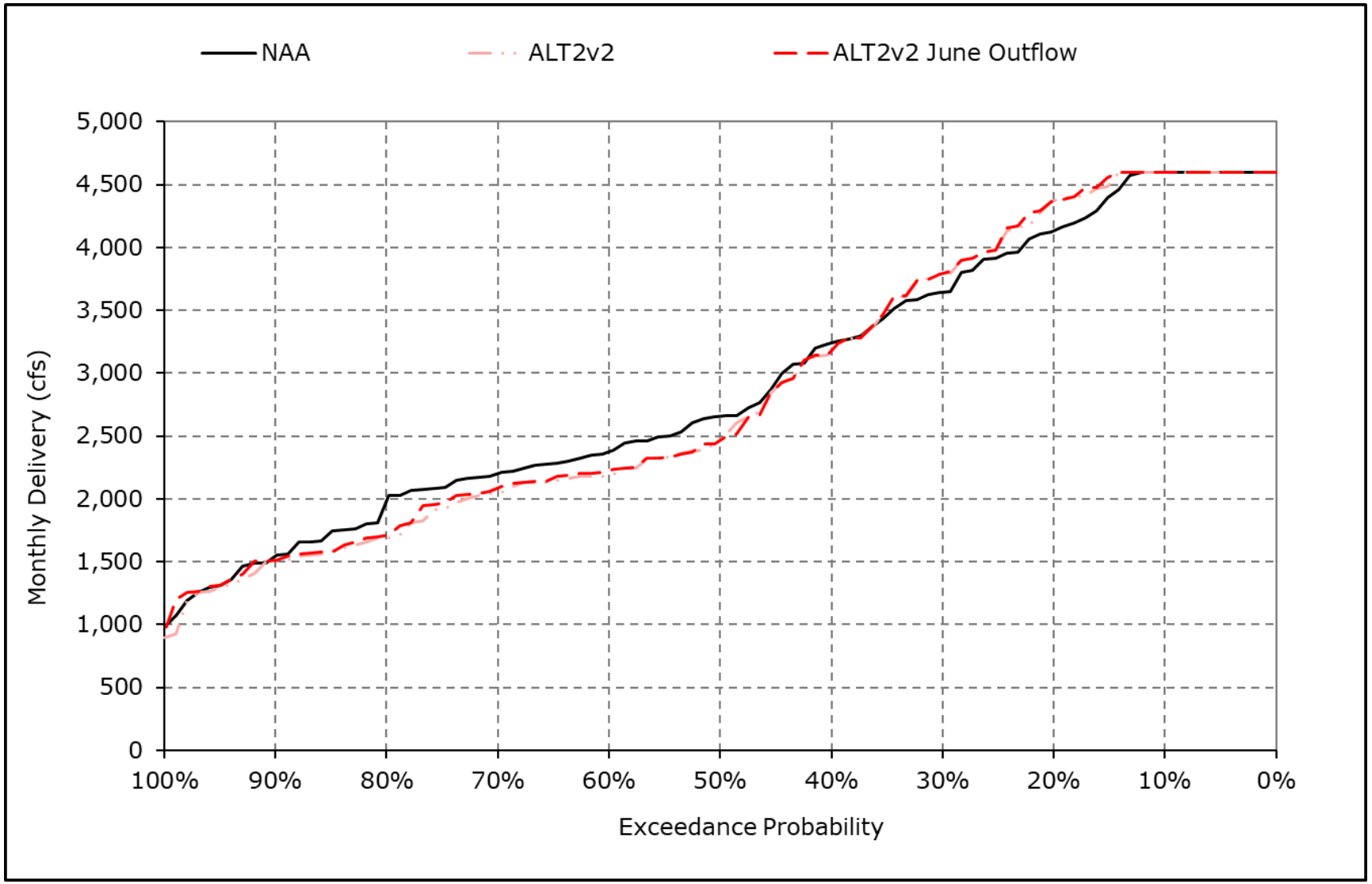
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-12. Jones Pumping Plant Exports, March



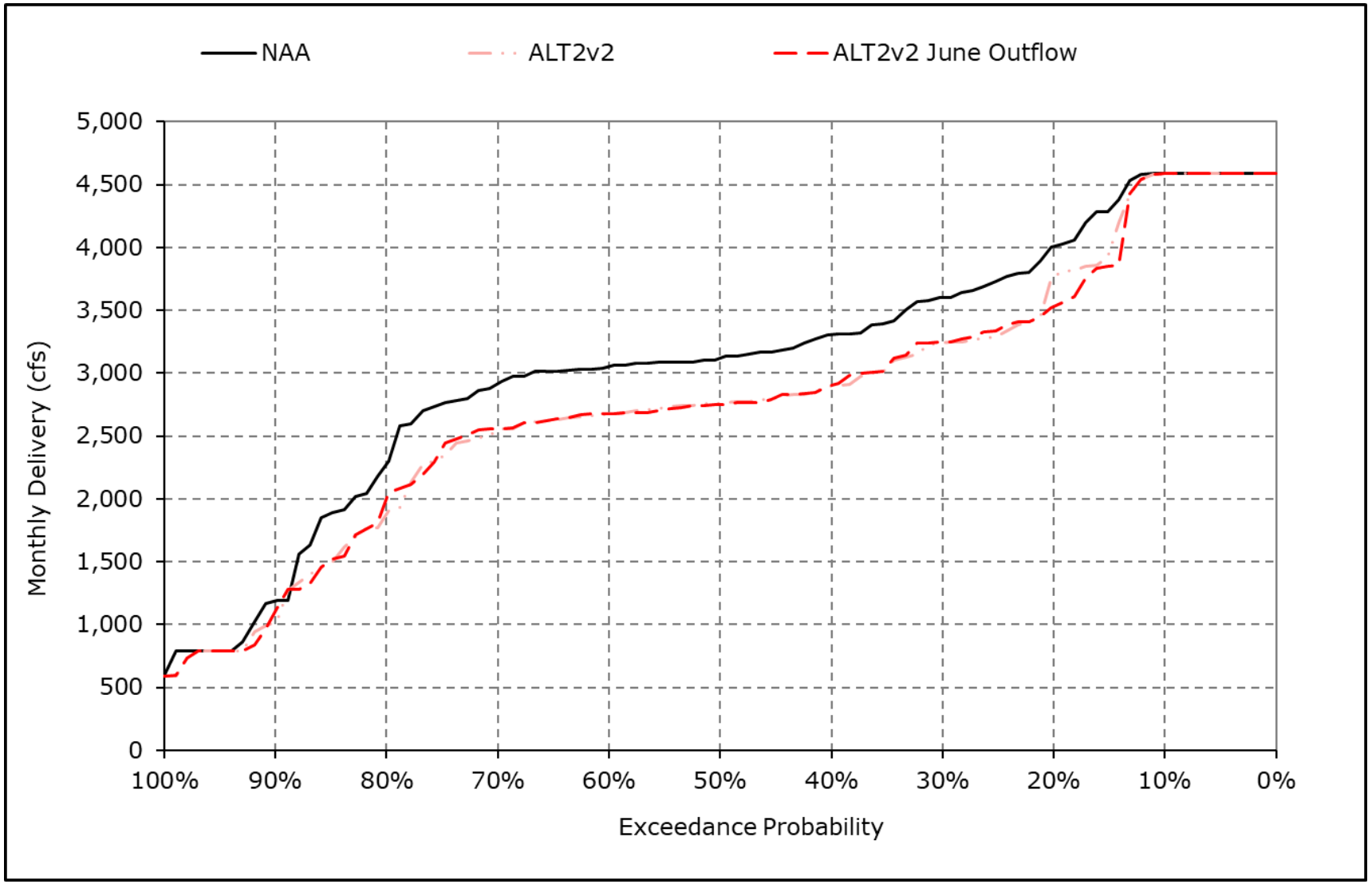
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-13. Jones Pumping Plant Exports, April



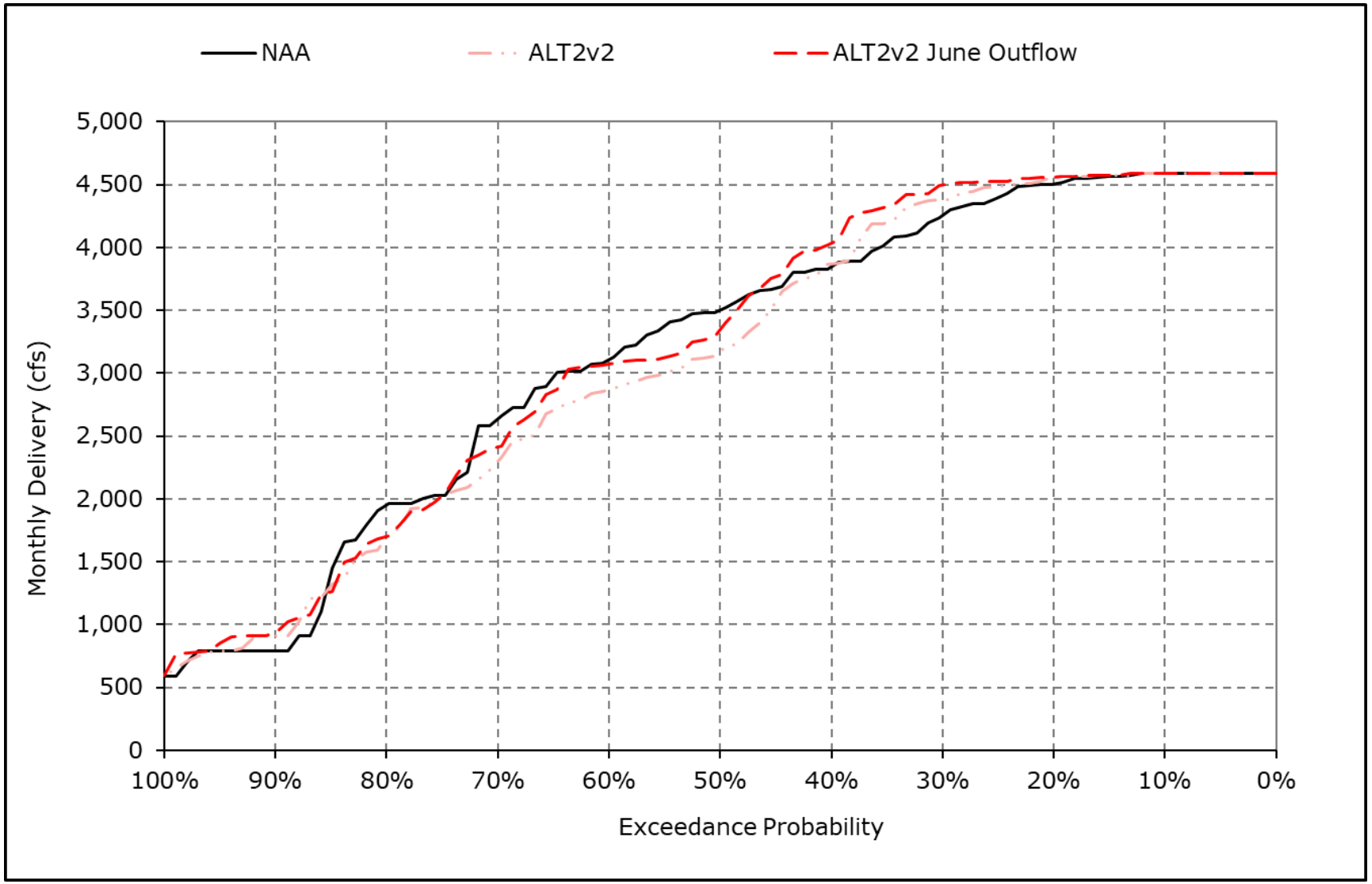
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-14. Jones Pumping Plant Exports, May



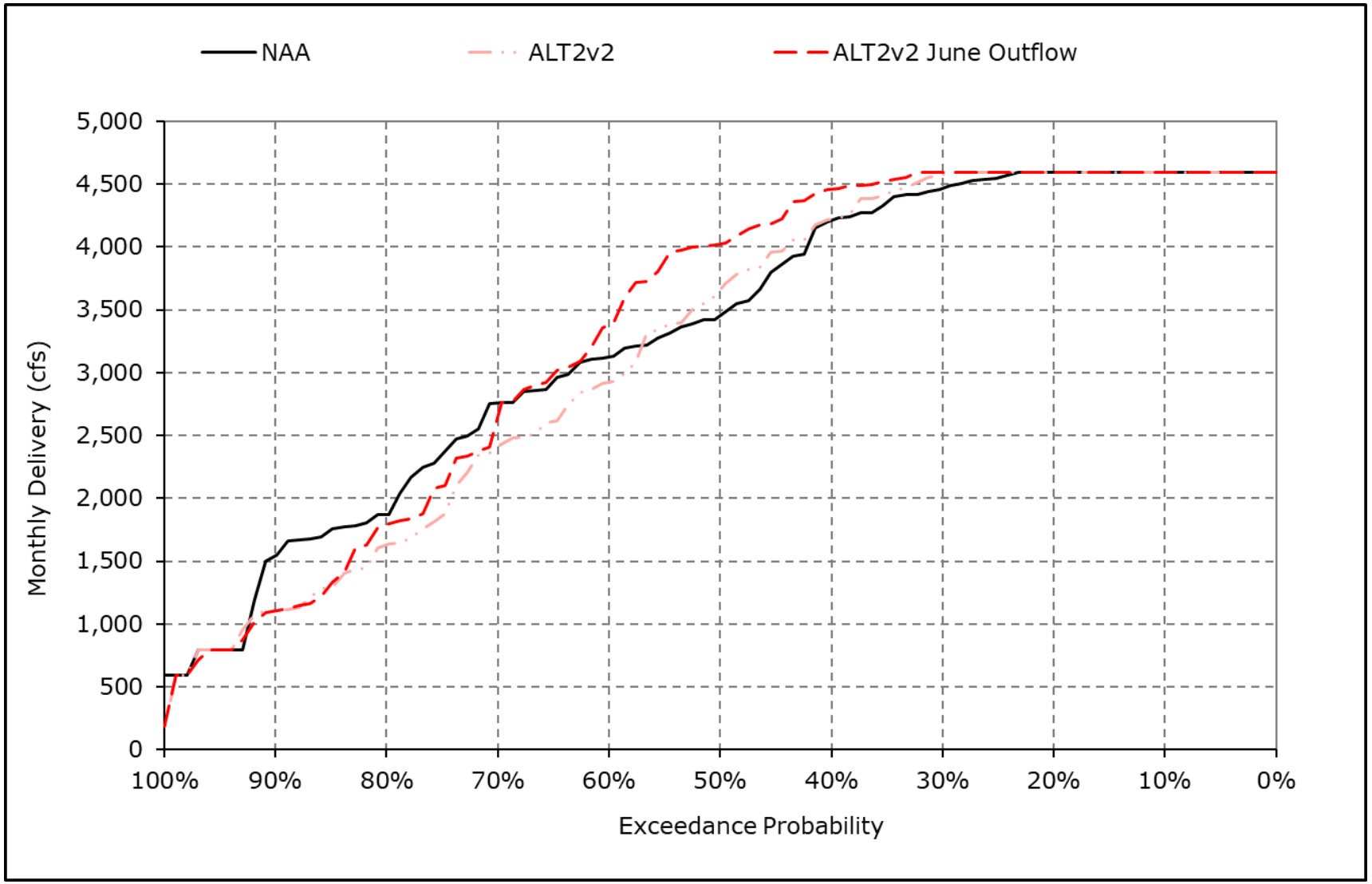
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-15. Jones Pumping Plant Exports, June



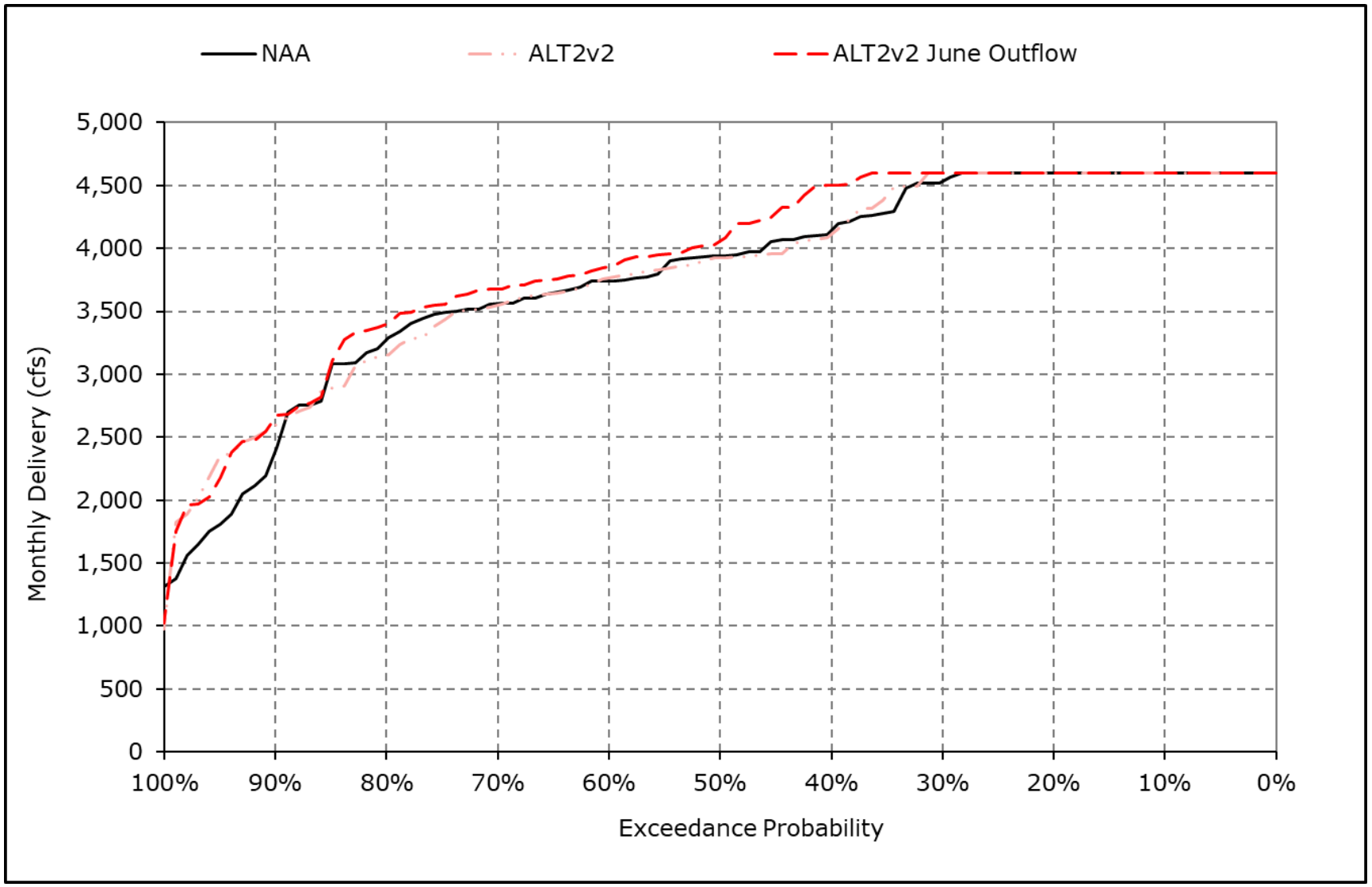
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-16. Jones Pumping Plant Exports, July



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

Figure F.2.3-9-17. Jones Pumping Plant Exports, August



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

Figure F.2.3-9-18. Jones Pumping Plant Exports, September

Table F.2.3-10-1a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	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]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	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.2.3-10-1b. Central Valley Project Banks Pumping Plant Exports, ALT2v2, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,371	307	0	0	0	0	0	0	638	722	0
20% Exceedance	0	1,053	0	0	0	0	0	0	0	213	0	0
30% Exceedance	0	711	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	206	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]	27	451	107	60	46	104	0	9	11	160	140	15
Wet Water Years (28%)	21	665	287	213	77	372	0	31	39	133	0	0
Above Normal Water Years (14%)	0	1,219	73	0	171	0	0	0	0	0	0	0
Below Normal Water Years (18%)	104	331	42	0	0	0	0	0	0	62	532	85
Dry Water Years (24%)	0	19	24	0	0	0	0	0	0	421	186	0
Critical Water Years (16%)	14	117	14	0	0	0	0	0	0	68	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.2.3-10-1c. Central Valley Project Banks Pumping Plant Exports, ALT2v2 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-319	307	0	0	0	0	0	0	-126	333	0
20% Exceedance	0	-218	0	0	0	0	0	0	0	-210	0	0
30% Exceedance	0	-108	0	0	0	0	0	0	0	-2	0	0
40% Exceedance	0	170	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]	-27	-31	59	25	19	65	0	0	0	-28	31	4
Wet Water Years (28%)	21	-155	168	90	-17	231	0	0	0	54	0	0
Above Normal Water Years (14%)	0	-75	-5	0	171	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-194	51	42	0	0	0	0	0	0	-25	30	25
Dry Water Years (24%)	0	-2	13	0	0	0	0	0	0	-156	108	0
Critical Water Years (16%)	14	99	14	0	0	0	0	0	0	-8	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.2.3-10-2a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	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]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	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.2.3-10-2b. Central Valley Project Banks Pumping Plant Exports, ALT2v2 June Outflow, Monthly Delivery (cfs)

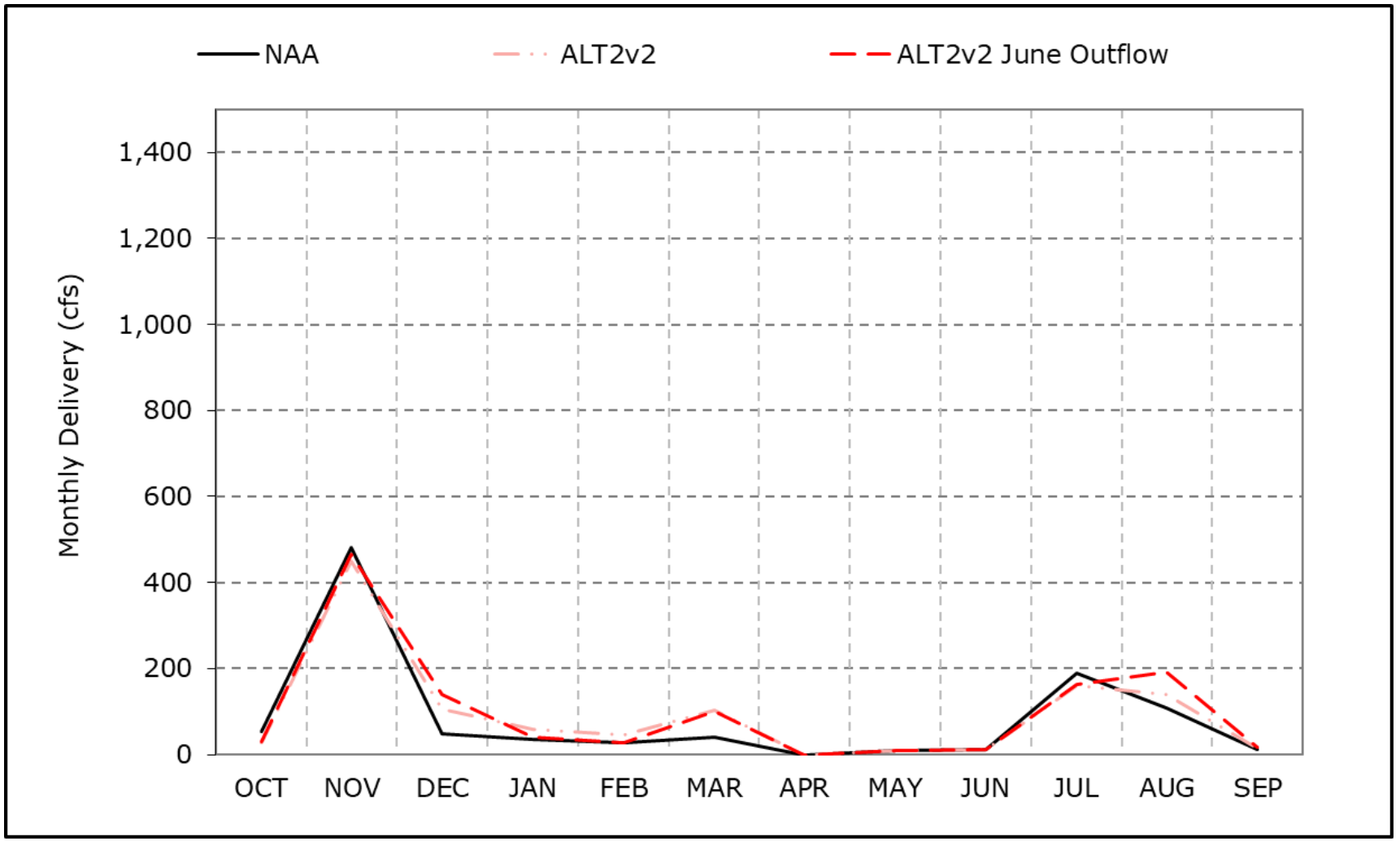
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,372	384	0	0	0	0	0	0	715	947	0
20% Exceedance	0	1,054	0	0	0	0	0	0	0	212	316	0
30% Exceedance	0	709	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	220	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	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]	30	465	140	41	27	101	0	9	11	163	192	18
Wet Water Years (28%)	21	662	420	146	56	362	0	31	39	134	150	0
Above Normal Water Years (14%)	0	1,183	2	0	80	0	0	0	0	0	190	0
Below Normal Water Years (18%)	122	445	85	0	0	0	0	0	0	58	390	98
Dry Water Years (24%)	0	27	21	0	0	0	0	0	0	418	221	0
Critical Water Years (16%)	14	106	14	0	0	0	0	0	0	90	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.2.3-10-2c. Central Valley Project Banks Pumping Plant Exports, ALT2v2 June Outflow minus No Action Alternative, Monthly Delivery (cfs)

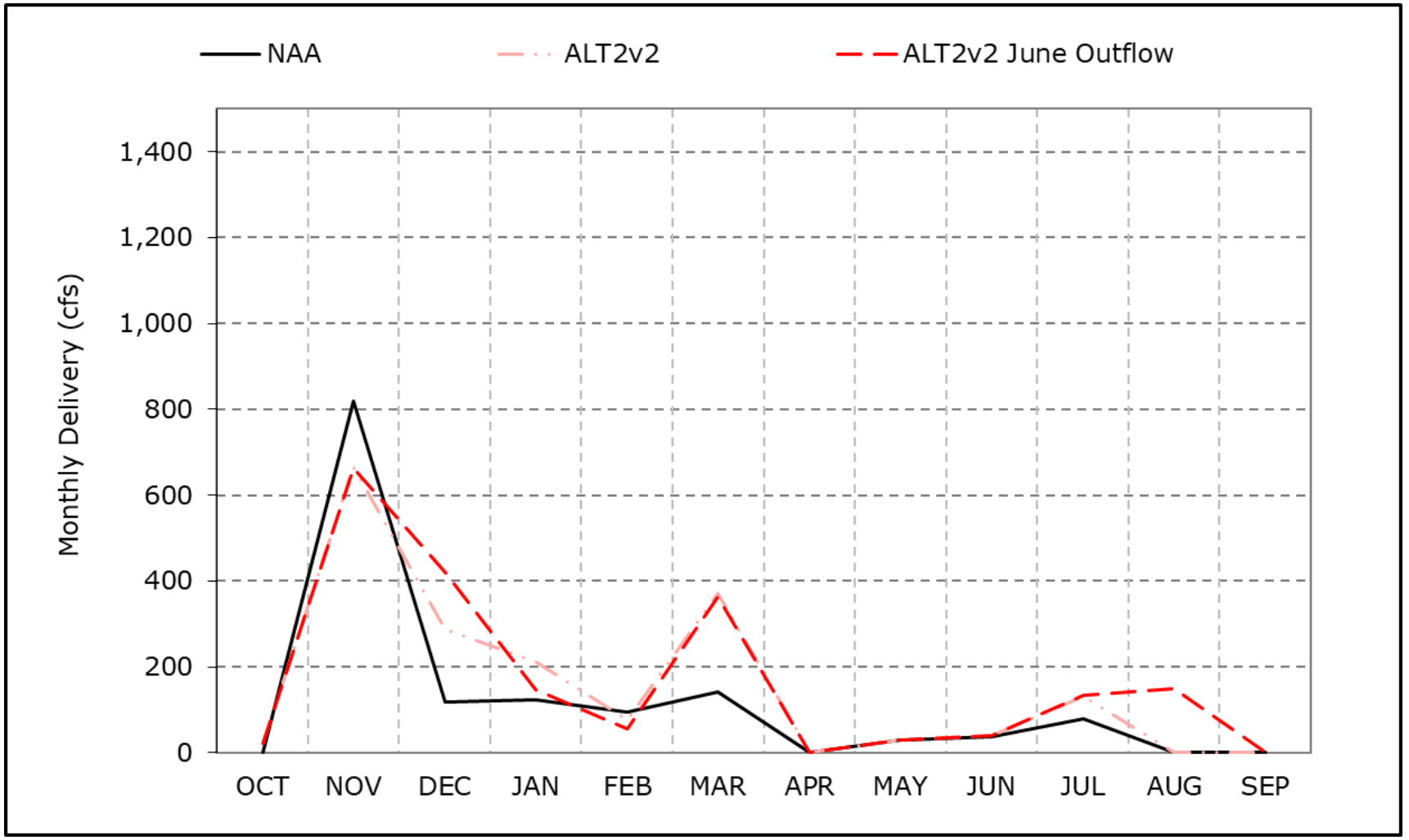
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-319	384	0	0	0	0	0	0	-49	558	0
20% Exceedance	0	-217	0	0	0	0	0	0	0	-212	316	0
30% Exceedance	0	-109	0	0	0	0	0	0	0	-2	0	0
40% Exceedance	0	183	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	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]	-24	-17	93	6	1	62	0	0	0	-26	83	7
Wet Water Years (28%)	21	-158	302	23	-38	221	0	0	0	56	150	0
Above Normal Water Years (14%)	0	-111	-76	0	80	0	0	0	0	0	190	0
Below Normal Water Years (18%)	-177	165	85	0	0	0	0	0	0	-29	-112	38
Dry Water Years (24%)	0	6	10	0	0	0	0	0	0	-159	142	0
Critical Water Years (16%)	14	88	14	0	0	0	0	0	0	14	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.



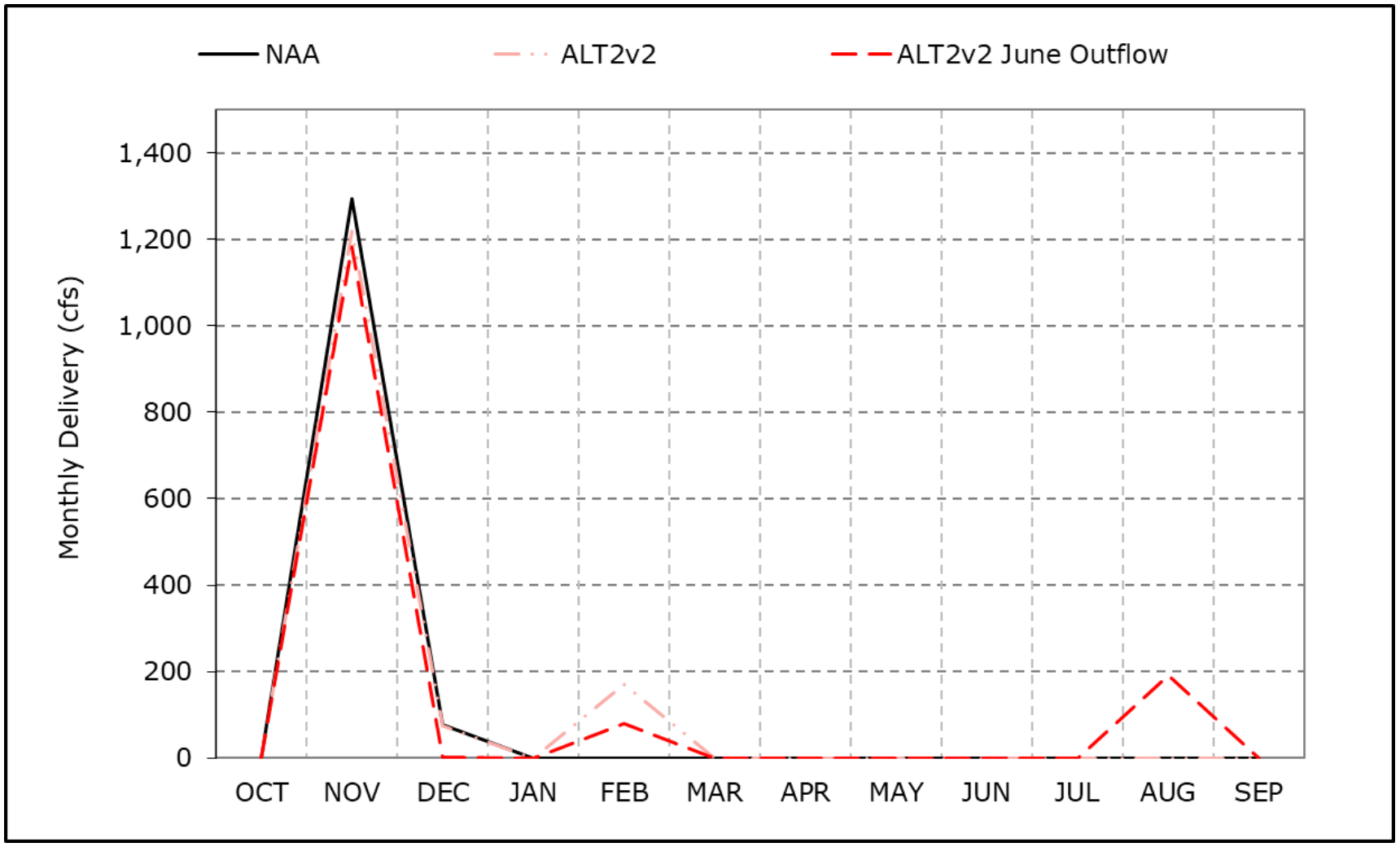
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-1. Central Valley Project Banks Pumping Plant Exports, Long-Term Average Delivery



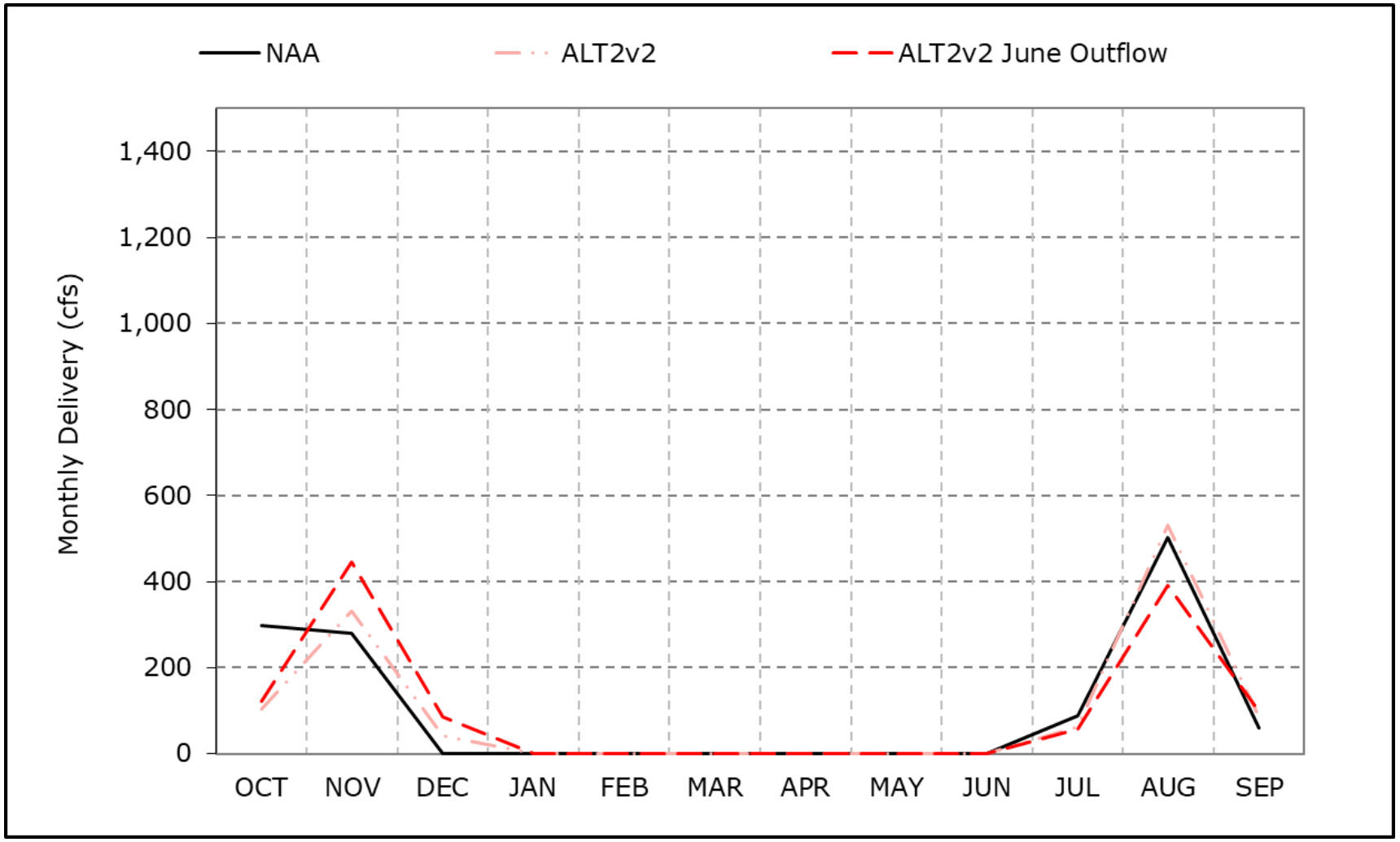
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-2. Central Valley Project Banks Pumping Plant Exports, Wet Year Average Delivery



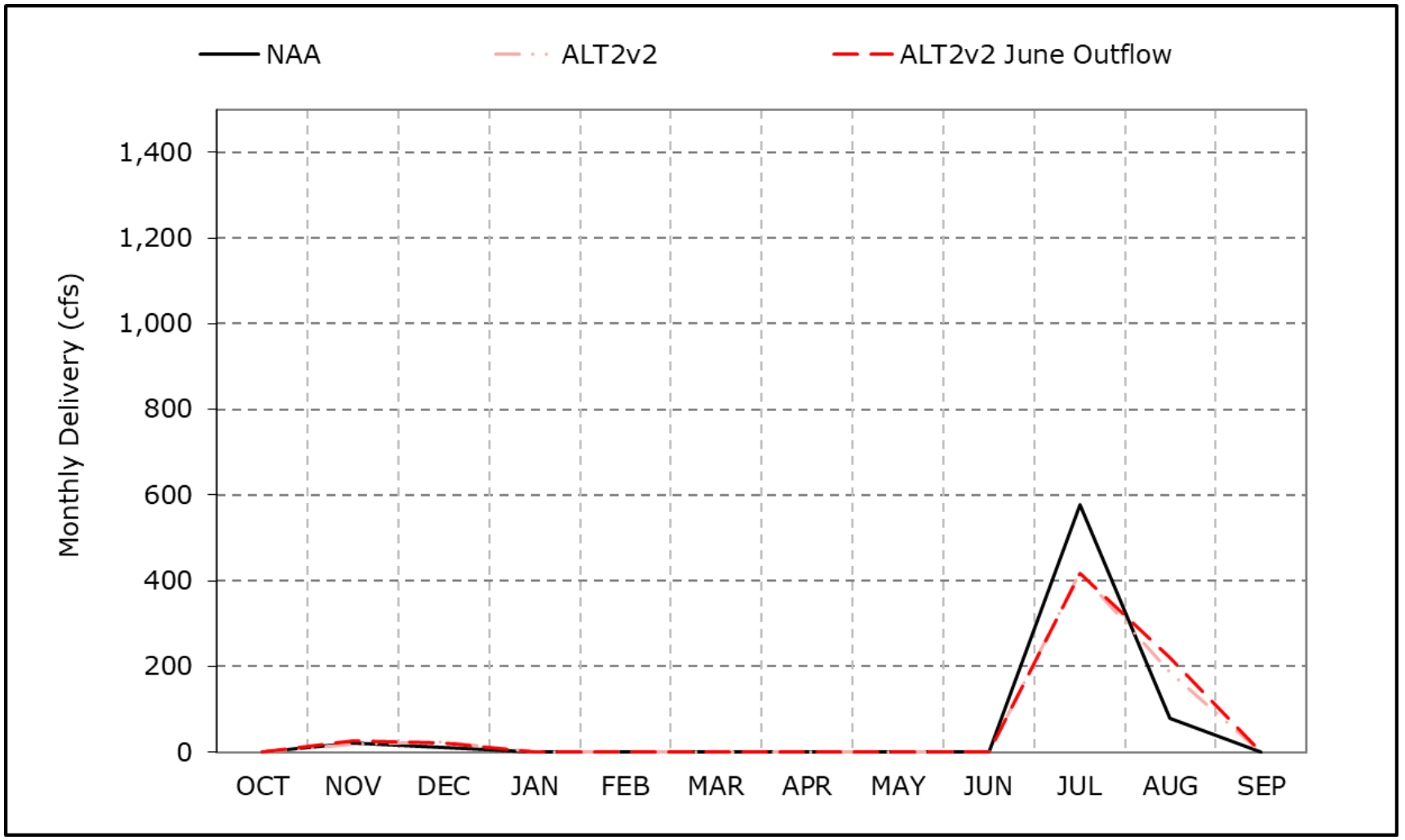
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-3. Central Valley Project Banks Pumping Plant Exports, Above Normal Year Average Delivery



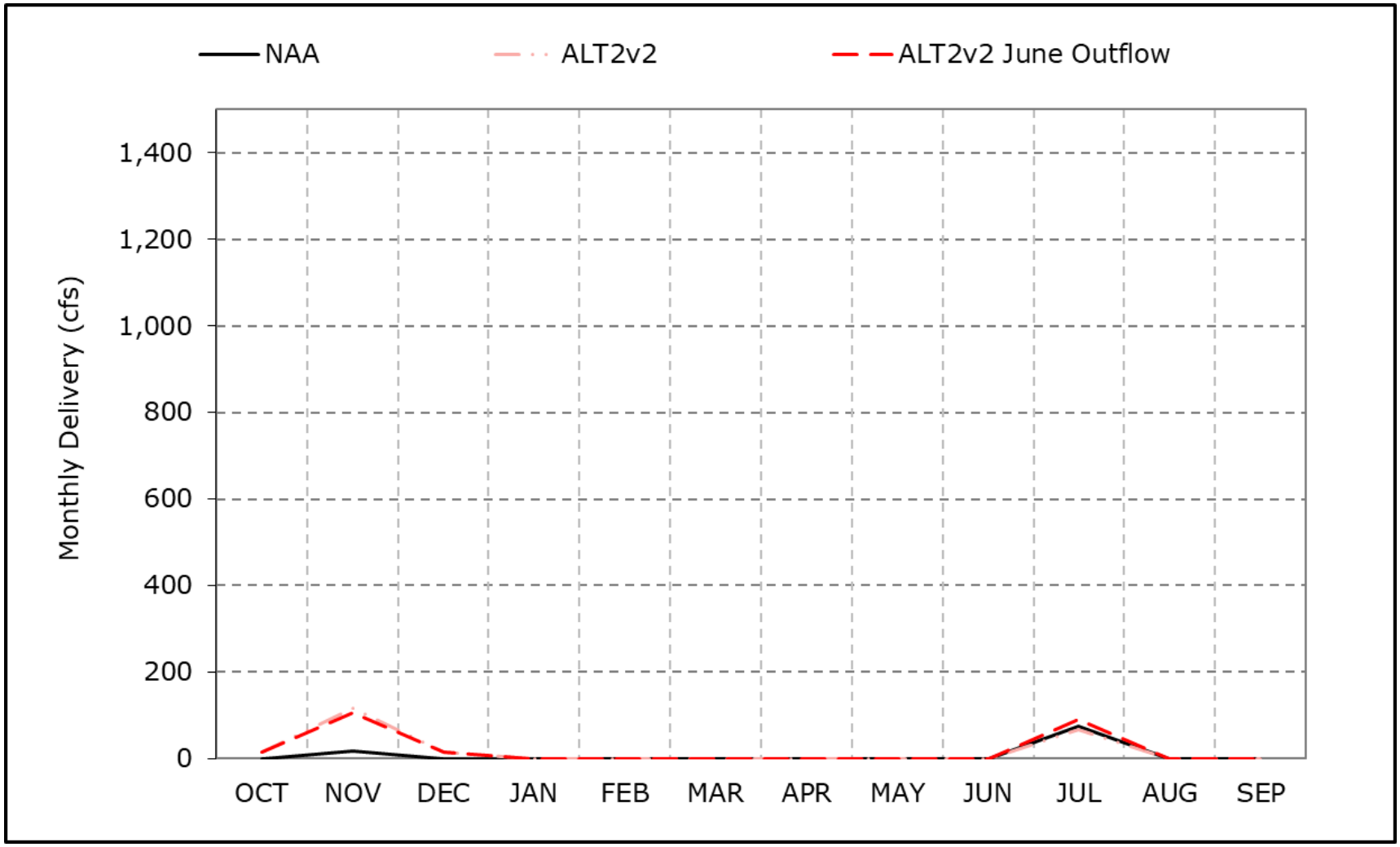
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-4. Central Valley Project Banks Pumping Plant Exports, Below Normal Year Average Delivery



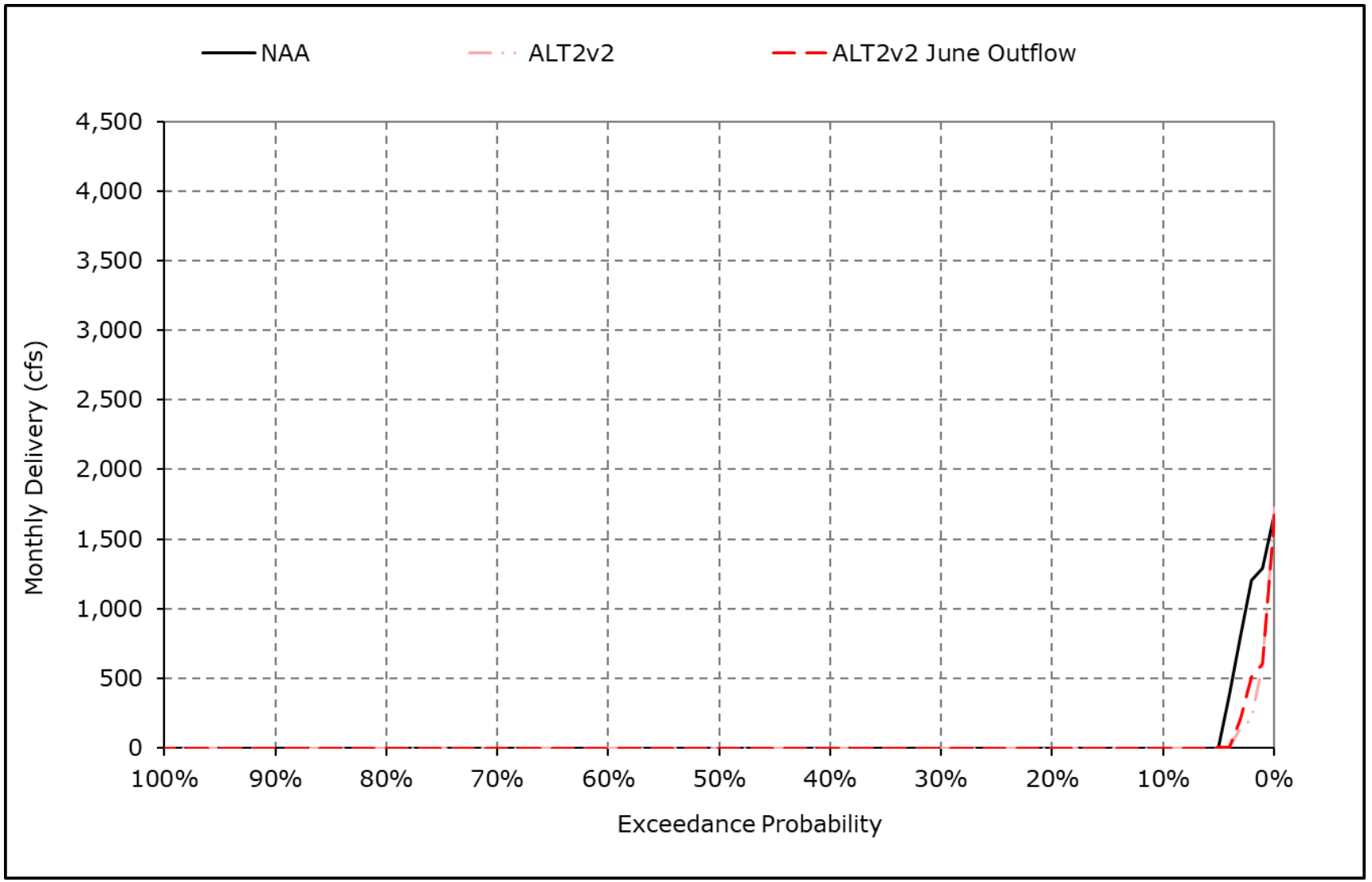
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-5. Central Valley Project Banks Pumping Plant Exports, Dry Year Average Delivery



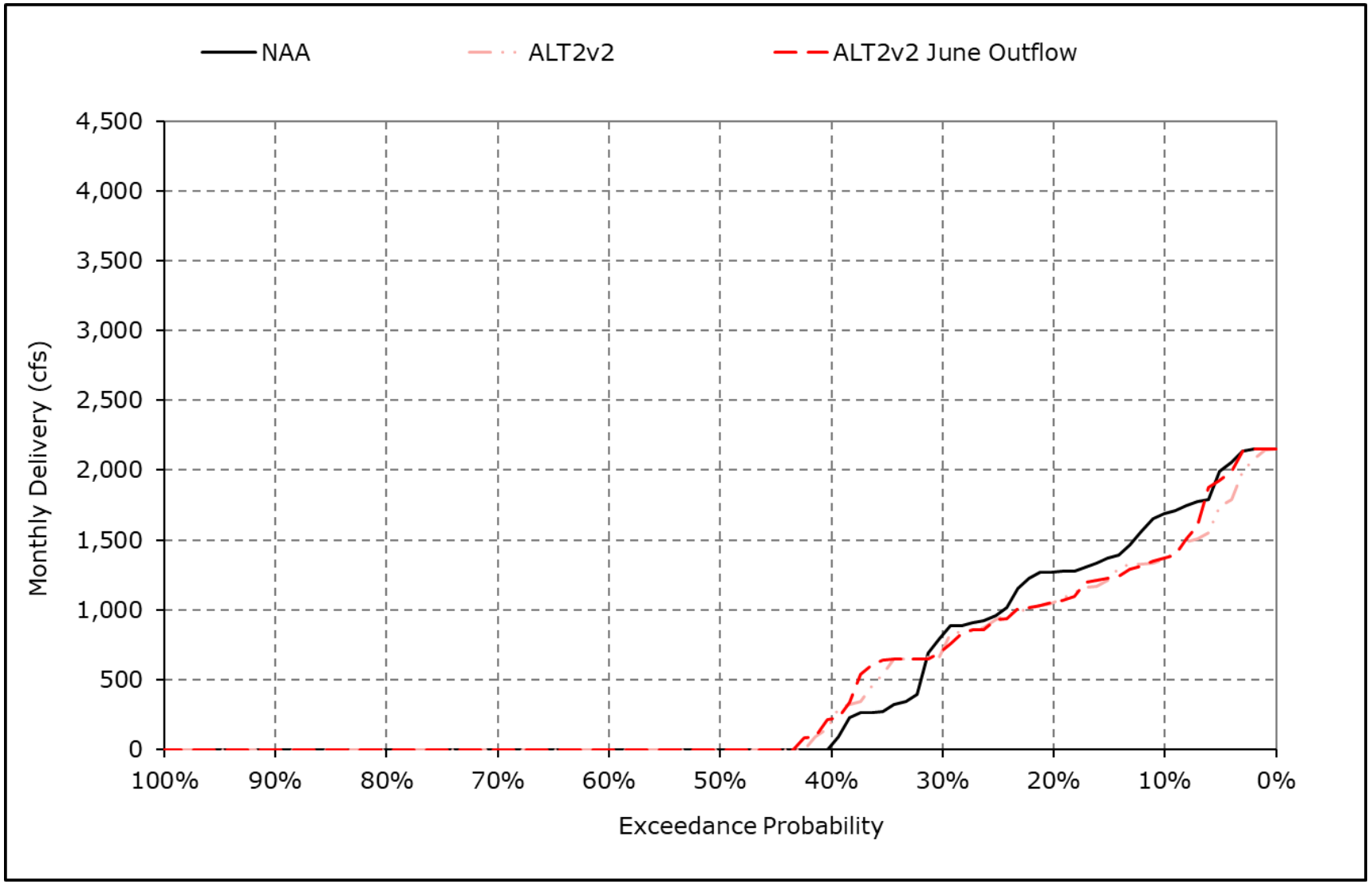
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-6. Central Valley Project Banks Pumping Plant Exports, Critical Year Average Delivery



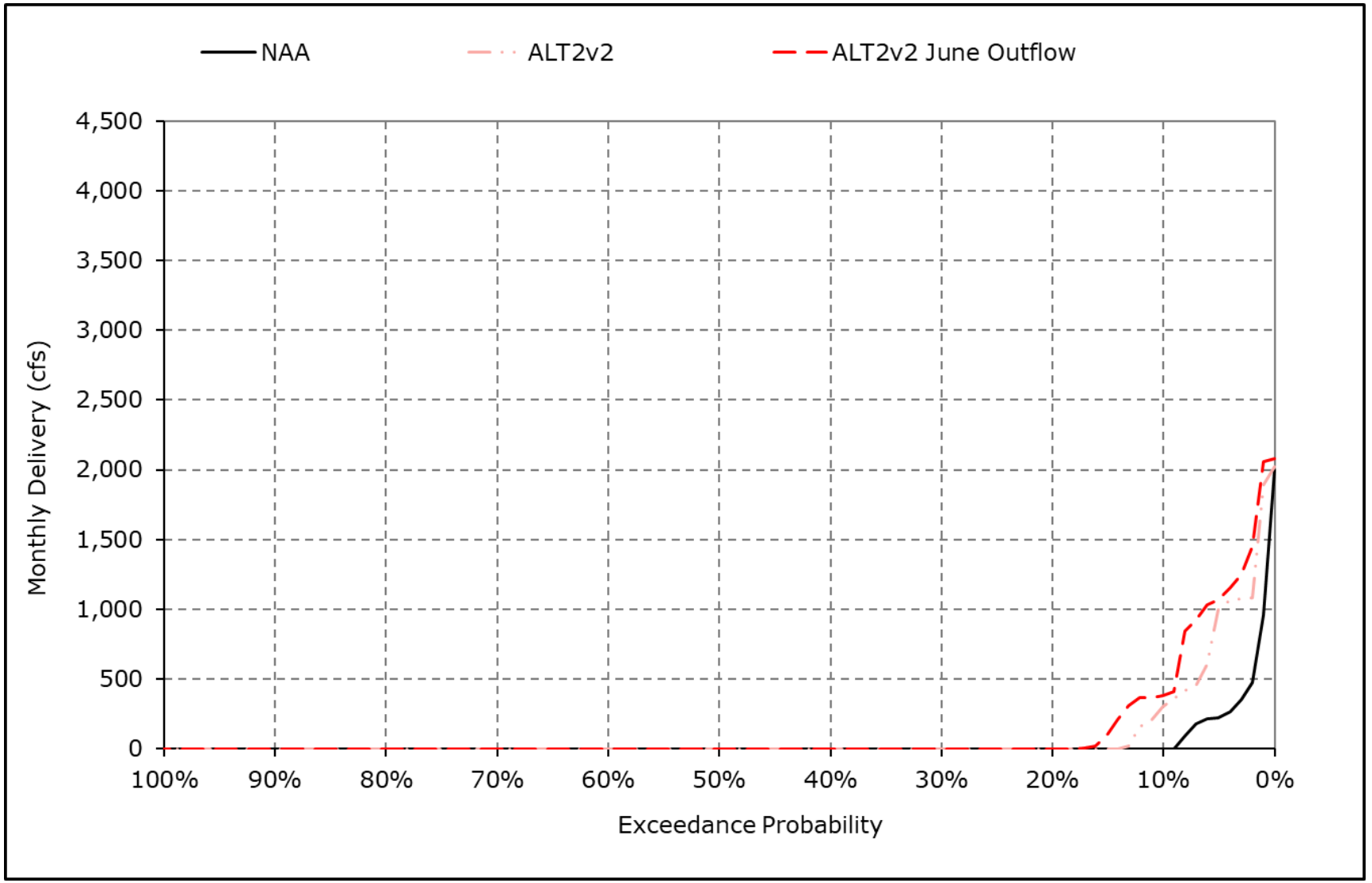
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-7. Central Valley Project Banks Pumping Plant Exports, October



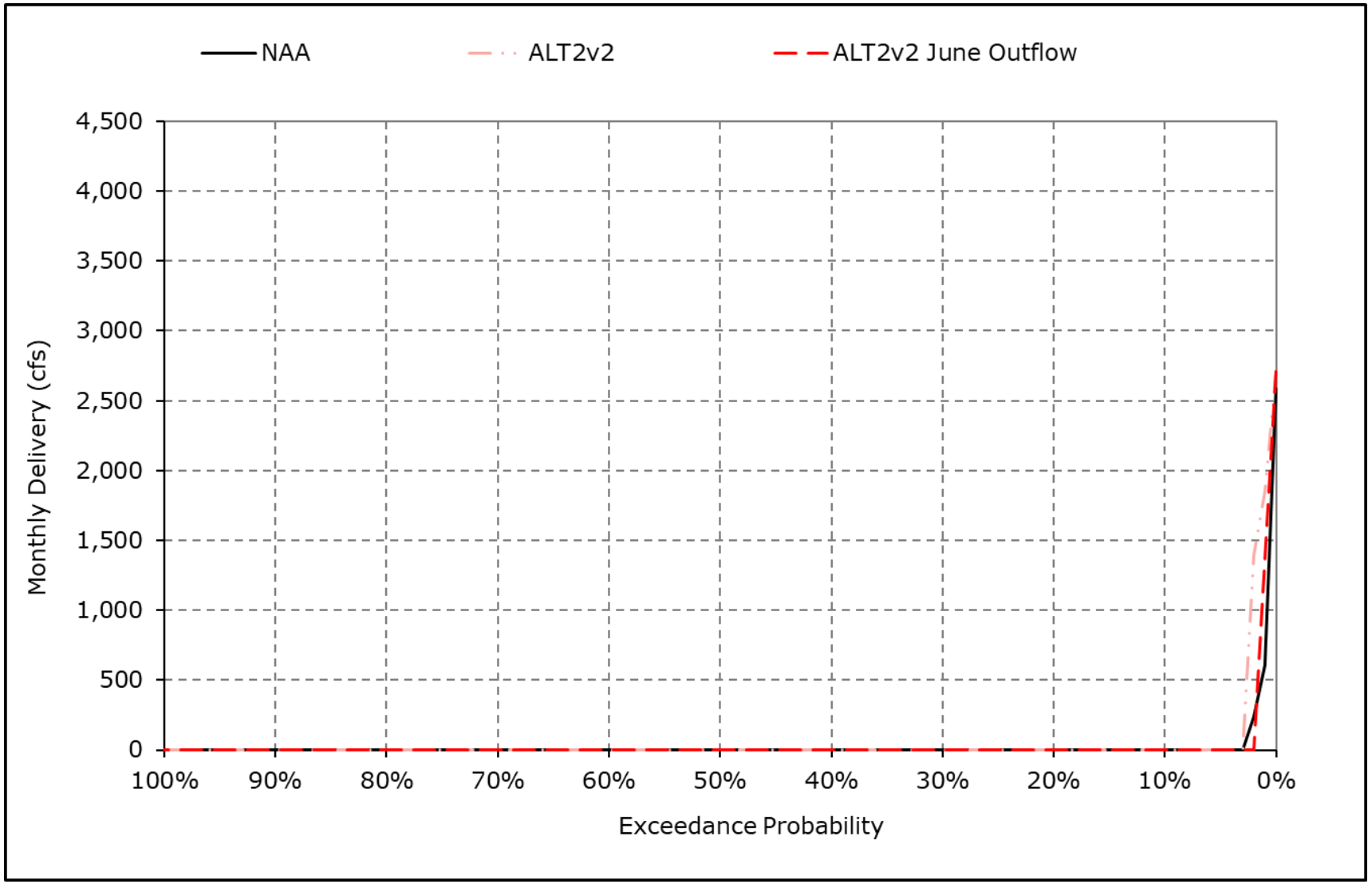
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-8. Central Valley Project Banks Pumping Plant Exports, November



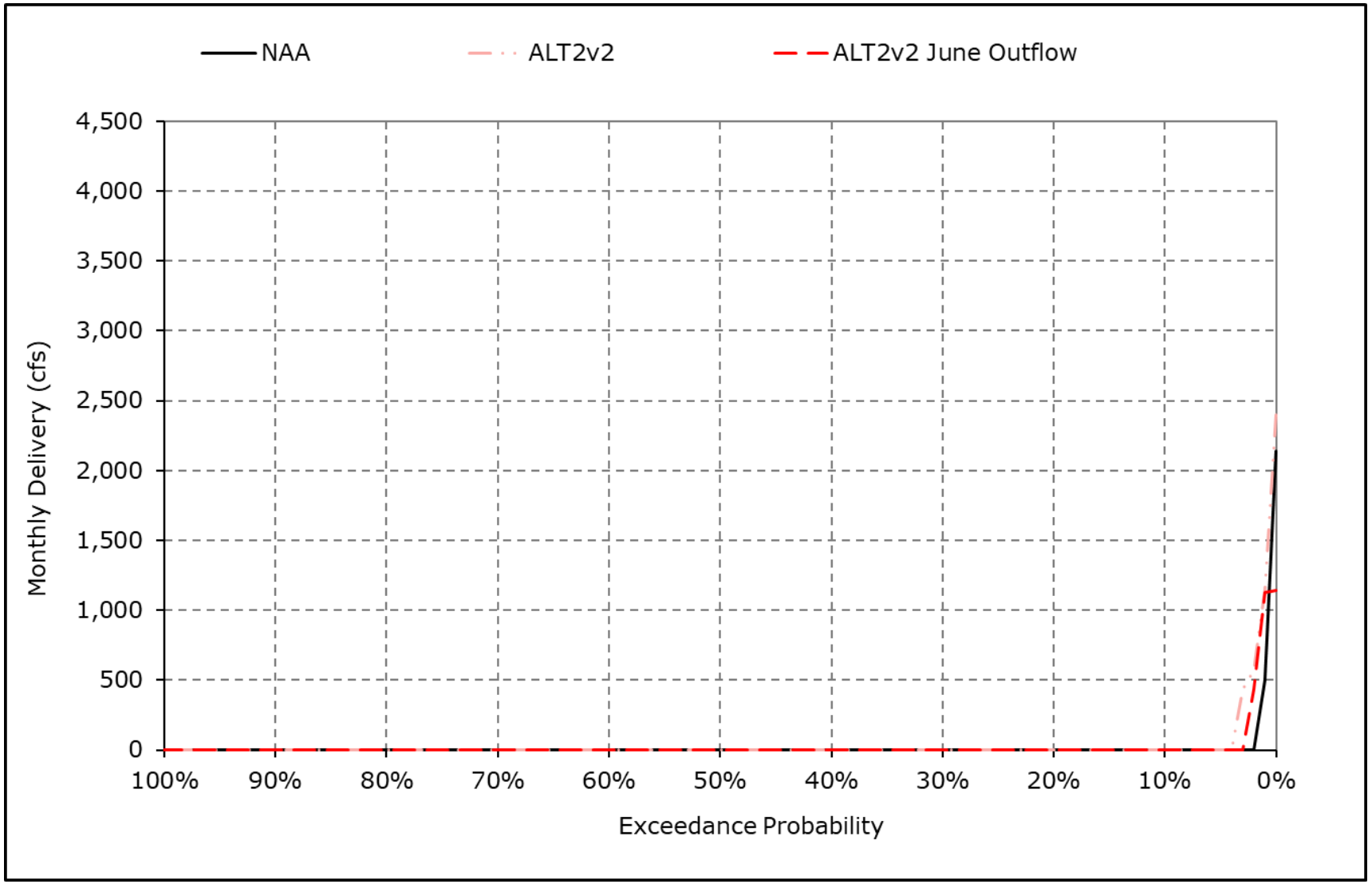
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-9. Central Valley Project Banks Pumping Plant Exports, December



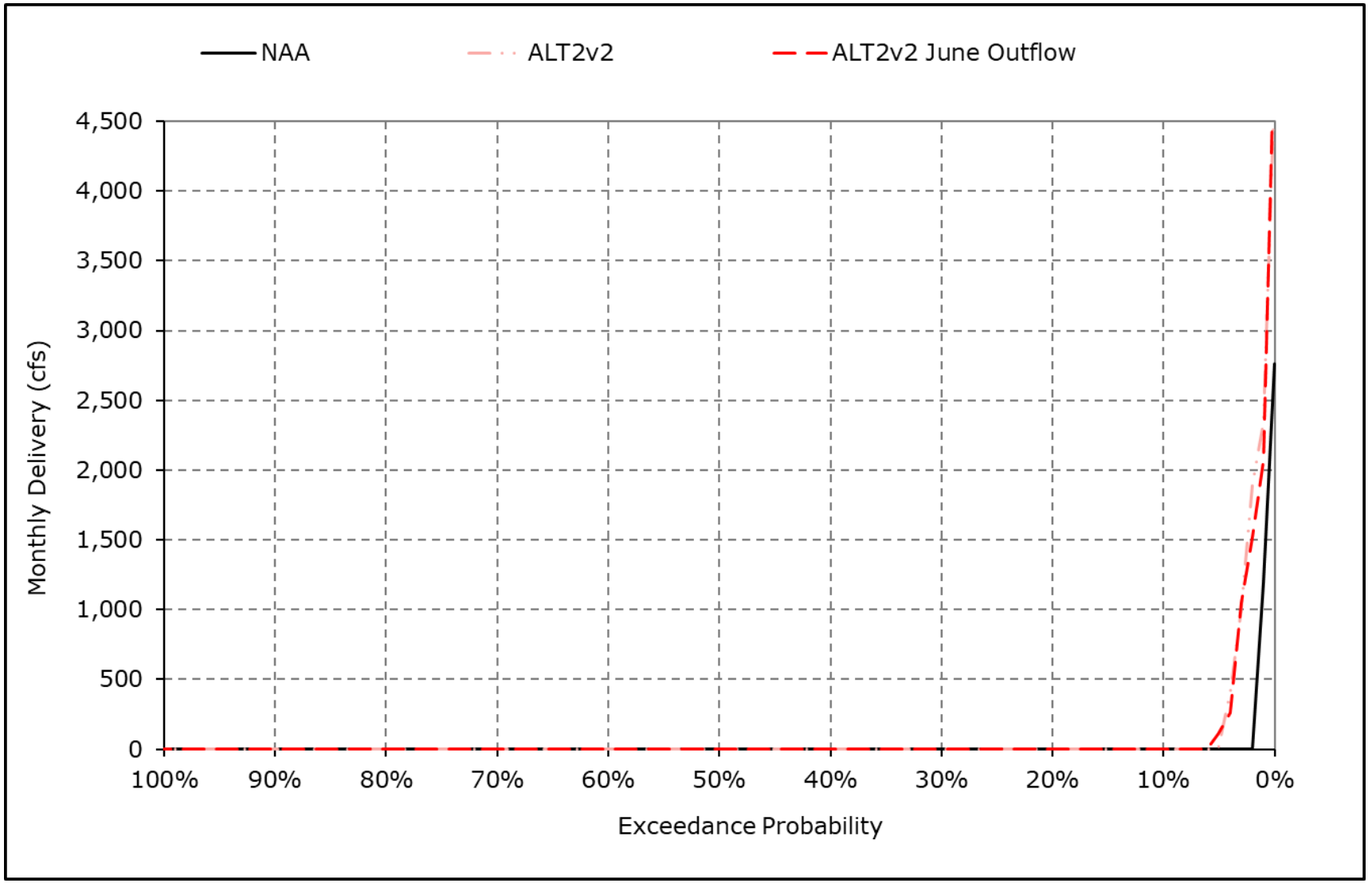
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-10. Central Valley Project Banks Pumping Plant Exports, January



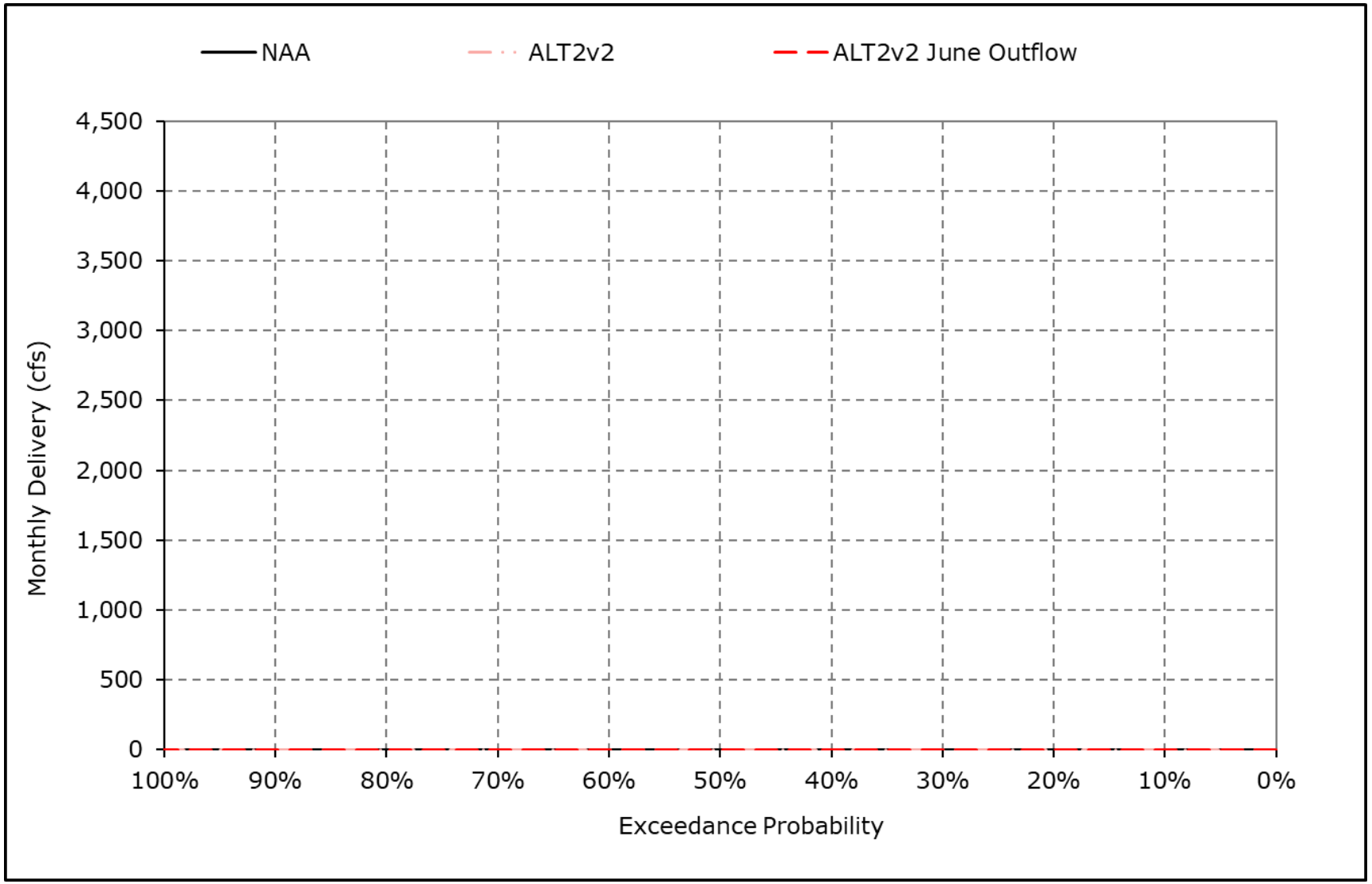
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-11. Central Valley Project Banks Pumping Plant Exports, February



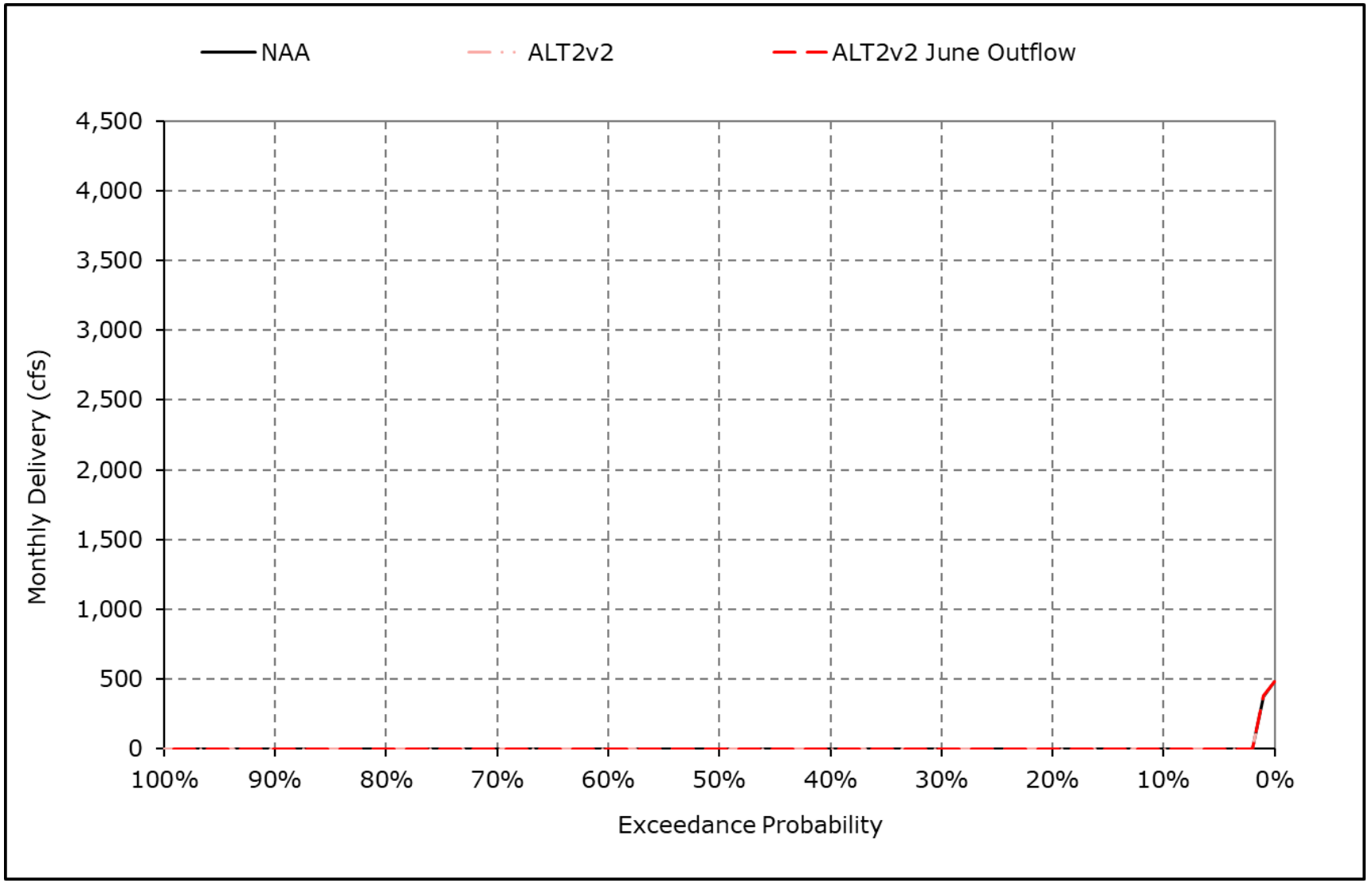
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-12. Central Valley Project Banks Pumping Plant Exports, March



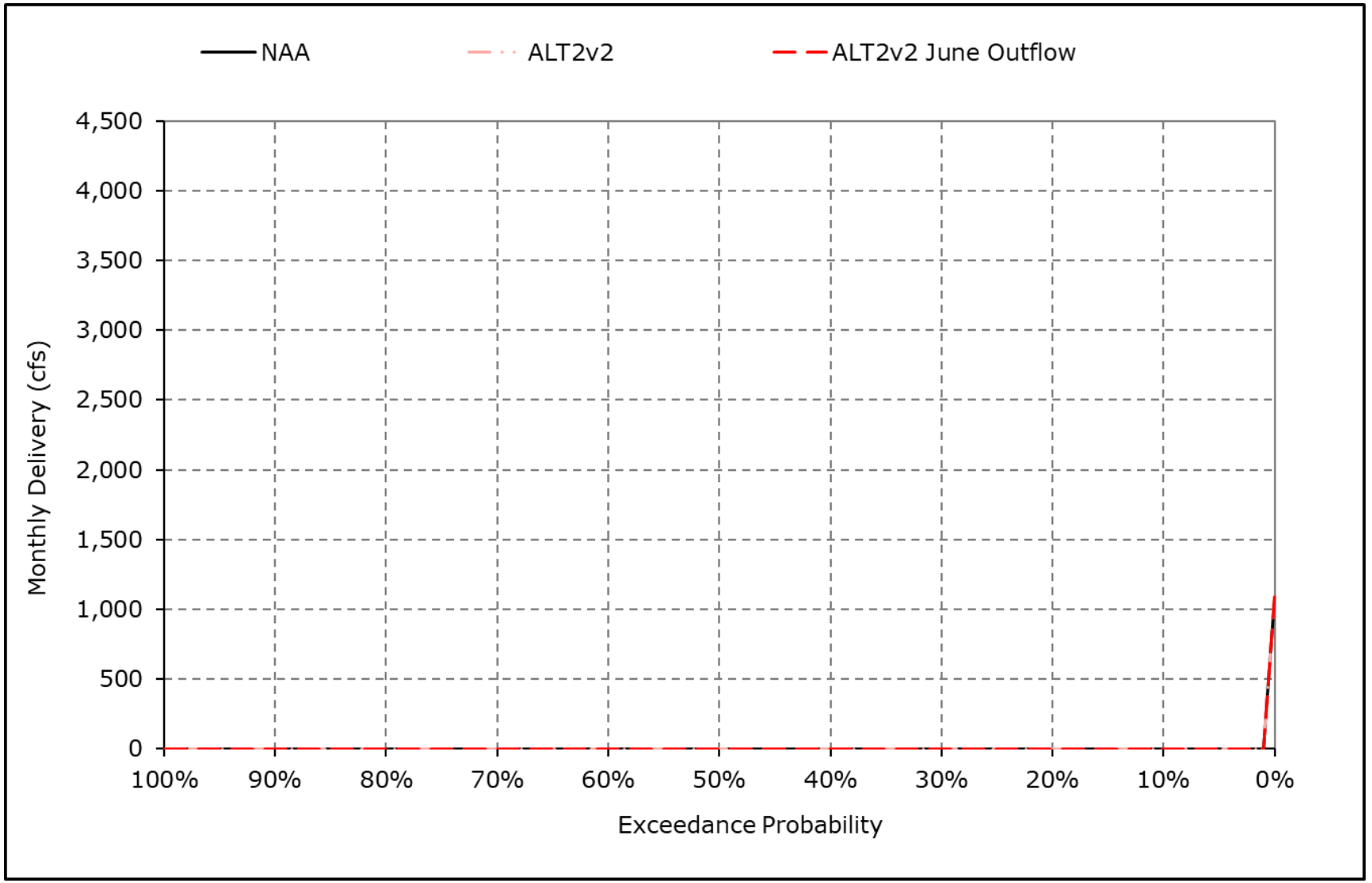
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-13. Central Valley Project Banks Pumping Plant Exports, April



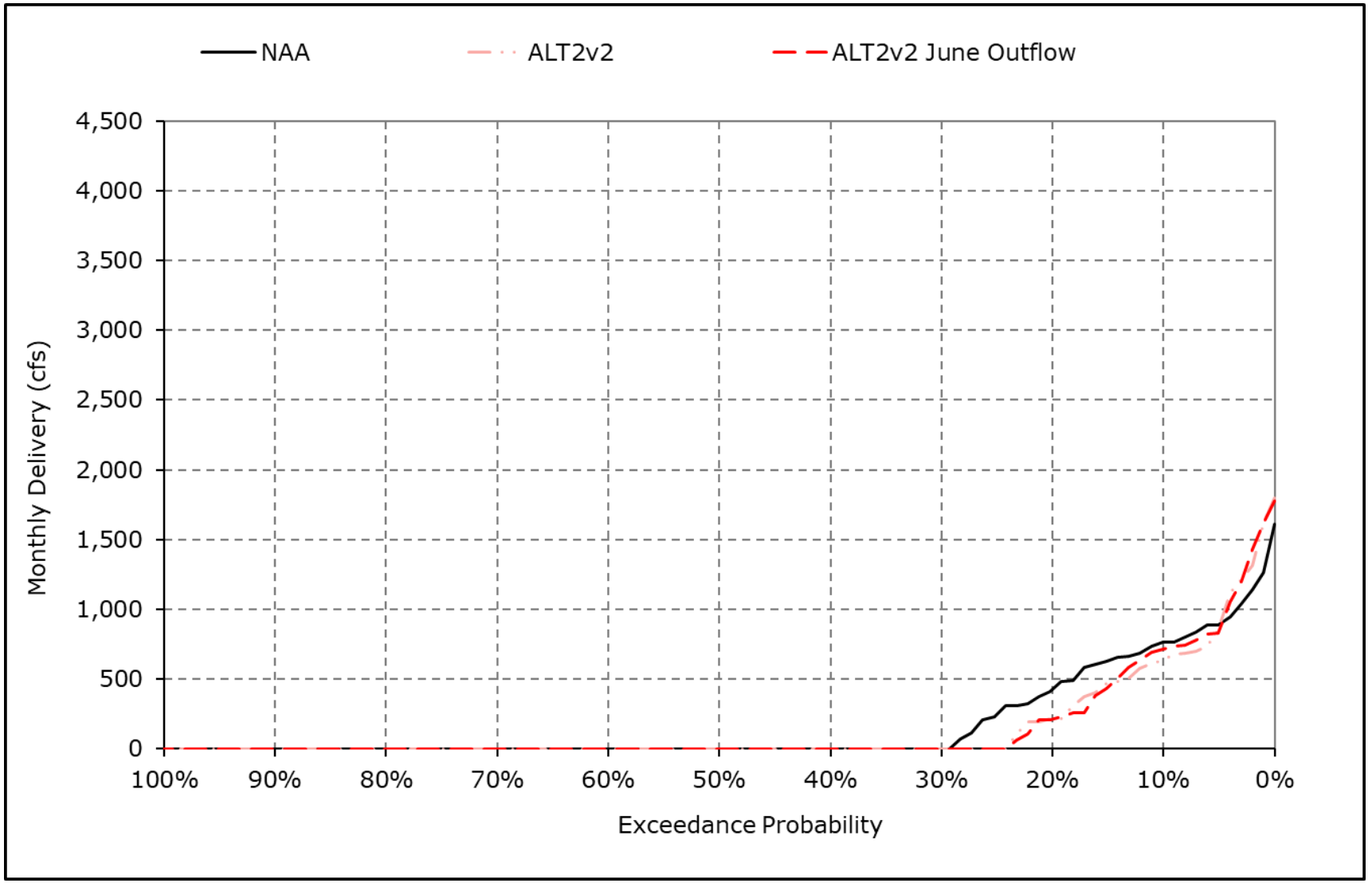
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-14. Central Valley Project Banks Pumping Plant Exports, May



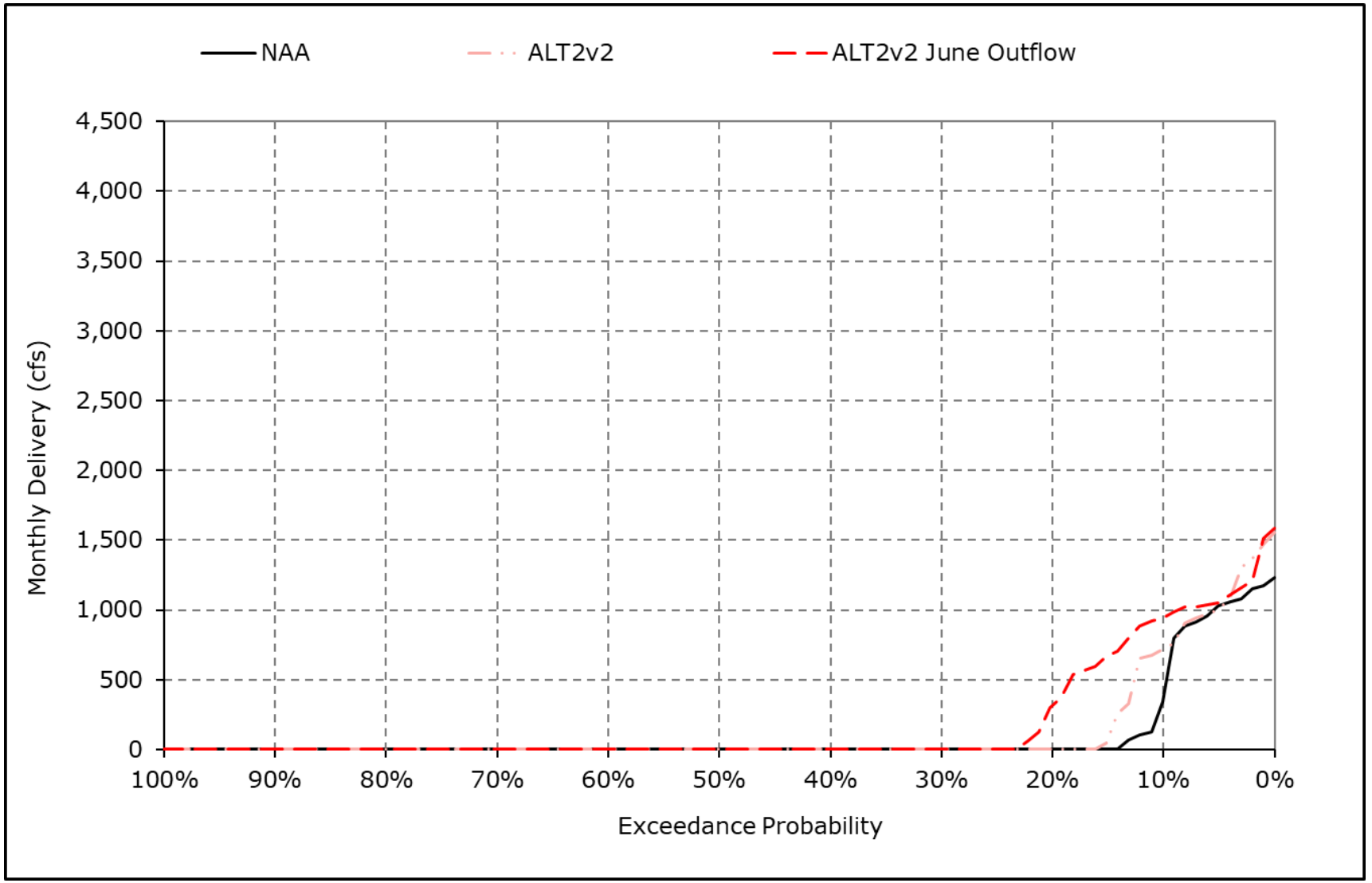
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-15. Central Valley Project Banks Pumping Plant Exports, June



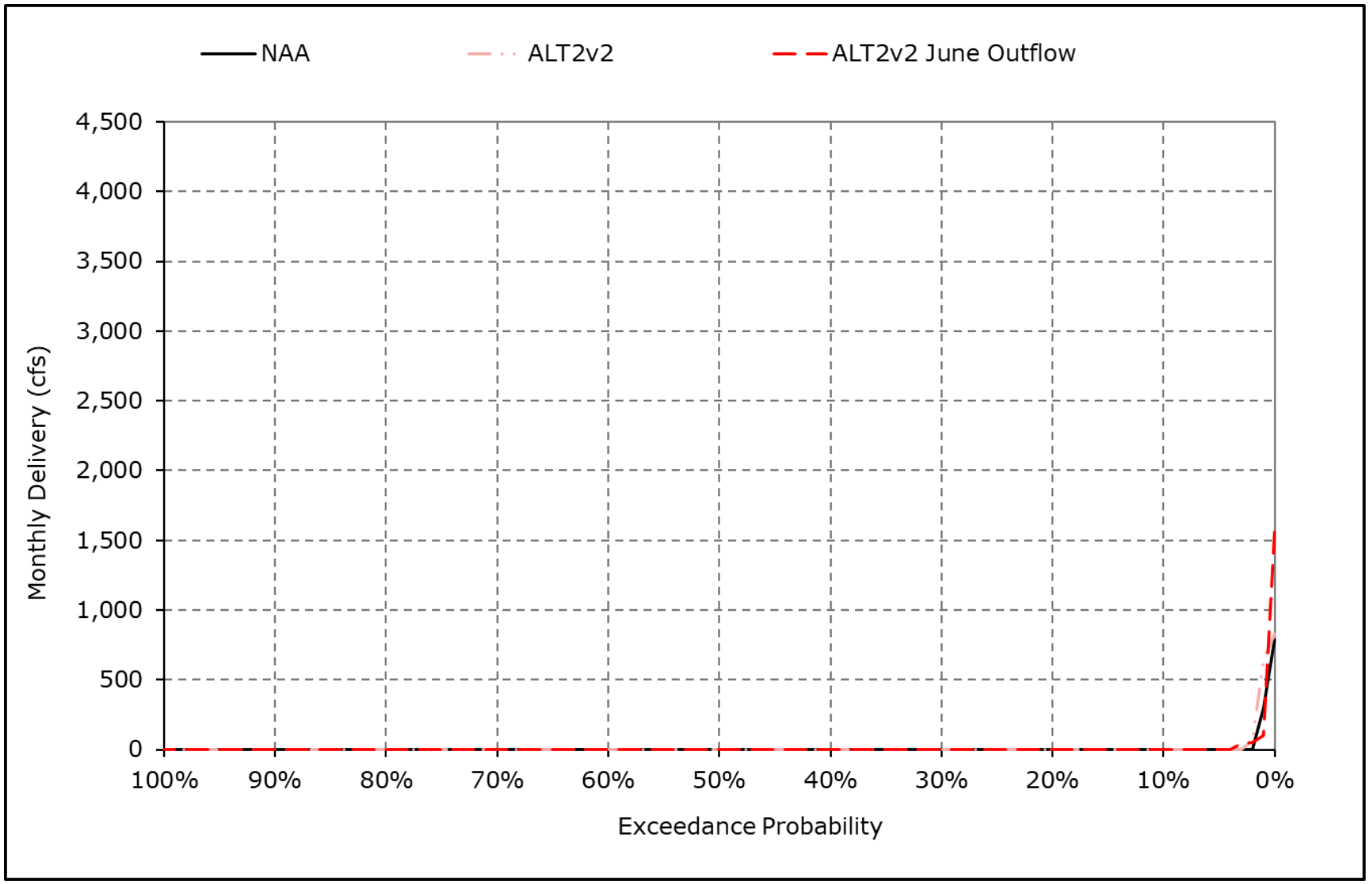
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-16. Central Valley Project Banks Pumping Plant Exports, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-17. Central Valley Project Banks Pumping Plant Exports, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-18. Central Valley Project Banks Pumping Plant Exports, September

Table F.2.3-11-1a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-11-1b. State Water Project Banks Pumping Plant Exports, ALT2v2, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,184	6,680	5,744	5,366	7,886	6,320	4,895	6,148	4,429	7,180	7,180	6,926
20% Exceedance	3,705	6,131	4,863	4,000	5,332	4,341	2,794	3,067	2,975	7,180	7,180	4,768
30% Exceedance	3,321	5,608	4,101	3,144	3,796	3,205	2,004	2,351	2,421	7,180	7,180	3,010
40% Exceedance	2,861	5,135	3,521	2,863	2,933	2,498	1,440	1,926	2,177	6,968	6,171	1,856
50% Exceedance	2,423	4,257	3,134	2,795	2,623	2,203	1,083	1,477	1,950	6,811	5,394	1,496
60% Exceedance	1,565	3,338	2,886	2,553	2,484	2,049	817	1,248	1,850	6,185	3,436	1,178
70% Exceedance	1,077	2,352	2,730	2,339	2,364	1,455	600	1,108	1,800	3,440	1,543	845
80% Exceedance	462	1,134	2,576	2,188	2,196	1,252	600	755	1,473	1,422	1,041	564
90% Exceedance	300	300	1,497	2,031	1,999	952	600	587	300	872	321	369
Full Simulation Period Average[a]	2,466	3,830	3,648	3,274	3,794	2,846	1,831	2,188	2,238	5,077	4,332	2,475
Wet Water Years (28%)	3,572	5,808	4,285	4,791	6,197	5,213	3,978	4,304	3,431	6,955	6,846	4,380
Above Normal Water Years (14%)	2,754	4,643	3,793	3,339	4,087	2,729	1,275	1,929	2,207	7,041	6,874	3,029
Below Normal Water Years (18%)	2,831	3,800	3,546	2,697	3,034	2,092	1,297	1,944	2,481	6,361	5,166	2,374
Dry Water Years (24%)	1,897	2,948	3,070	2,734	2,511	1,721	830	1,055	1,820	3,518	1,778	1,267
Critical Water Years (16%)	590	771	3,365	2,020	2,109	1,341	665	683	532	963	604	587

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-11-1c. State Water Project Banks Pumping Plant Exports, ALT2v2 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	240	0	-177	-1,023	305	340	-293	2,808	212	0	0	1,091
20% Exceedance	10	-43	-103	-279	-248	-9	335	1,835	100	173	325	-409
30% Exceedance	122	209	-395	-485	-294	-557	900	1,508	27	296	325	-205
40% Exceedance	-25	344	-133	-173	-138	-591	451	1,193	50	125	-247	237
50% Exceedance	-30	578	-79	-61	-169	-375	185	810	-133	124	265	118
60% Exceedance	-62	212	-57	-112	-134	-269	-18	648	-191	-127	827	236
70% Exceedance	-105	180	-36	-160	-165	-708	-187	508	-188	915	1,243	286
80% Exceedance	-323	-69	-59	-153	-148	-721	-3	155	-233	1,122	741	264
90% Exceedance	-10	-429	-224	-91	-12	-688	0	-7	0	572	21	69
Full Simulation Period Average[a]	-54	94	-69	-219	-52	-347	178	920	-45	264	370	215
Wet Water Years (28%)	-15	305	-143	-164	122	154	259	1,753	145	36	126	233
Above Normal Water Years (14%)	-209	325	-24	-104	-42	-644	415	944	-184	129	160	854
Below Normal Water Years (18%)	168	99	-24	-76	-117	-786	176	968	-42	235	634	106
Dry Water Years (24%)	-34	-44	20	-300	-149	-462	39	409	-265	375	624	-50
Critical Water Years (16%)	-271	-316	-176	-458	-150	-301	40	155	70	645	304	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.2.3-11-2a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-11-2b. State Water Project Banks Pumping Plant Exports, ALT2v2 June Outflow, Monthly Delivery (cfs)

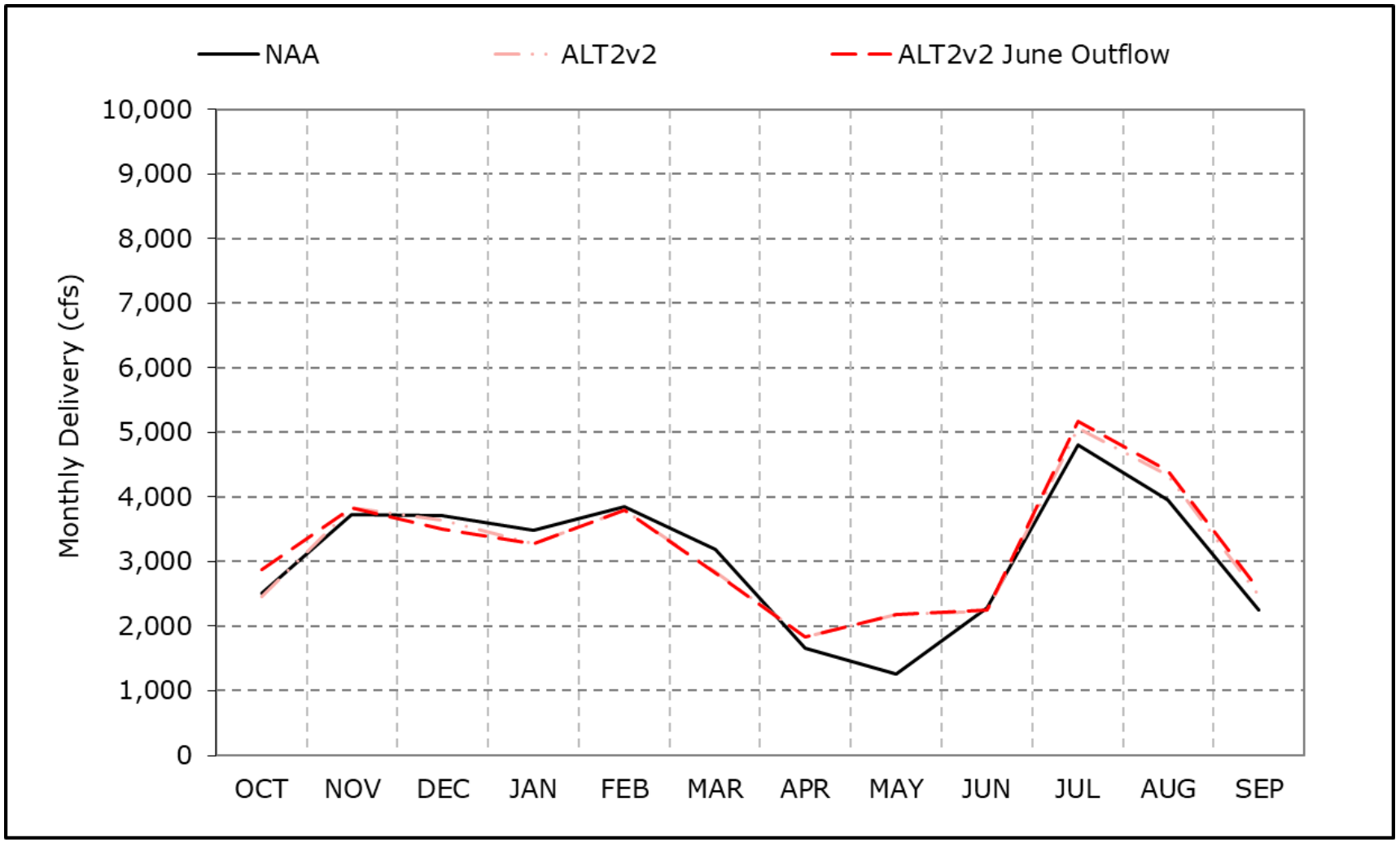
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,390	6,680	5,464	5,340	7,890	5,684	5,071	6,144	4,426	7,180	7,180	7,180
20% Exceedance	4,711	6,181	4,780	3,920	5,404	4,344	2,758	3,111	2,854	7,180	7,180	5,255
30% Exceedance	3,876	5,656	3,969	3,072	3,793	3,189	2,006	2,351	2,415	7,180	7,036	2,714
40% Exceedance	3,556	5,199	3,428	2,858	2,933	2,500	1,431	1,927	2,180	6,960	6,608	2,129
50% Exceedance	2,882	4,050	3,136	2,777	2,624	2,201	1,060	1,563	1,944	6,907	5,509	1,538
60% Exceedance	1,861	3,280	2,820	2,554	2,492	1,953	825	1,264	1,845	6,662	3,571	1,197
70% Exceedance	1,159	2,345	2,703	2,347	2,369	1,456	600	1,112	1,801	3,767	1,671	955
80% Exceedance	539	1,153	2,449	2,201	2,222	1,255	600	768	1,579	1,522	1,055	659
90% Exceedance	300	300	1,488	2,042	2,000	969	600	588	300	915	462	373
Full Simulation Period Average[a]	2,870	3,834	3,496	3,286	3,798	2,833	1,837	2,182	2,244	5,174	4,412	2,557
Wet Water Years (28%)	4,741	5,709	3,843	4,865	6,224	5,150	4,033	4,293	3,430	6,964	6,855	4,592
Above Normal Water Years (14%)	3,444	4,726	3,691	3,359	4,110	2,732	1,265	1,942	2,214	7,071	6,838	3,079
Below Normal Water Years (18%)	2,750	3,826	3,507	2,606	3,108	2,042	1,239	1,911	2,479	6,367	5,458	2,445
Dry Water Years (24%)	1,856	3,032	3,062	2,782	2,508	1,795	829	1,061	1,826	3,888	1,805	1,275
Critical Water Years (16%)	568	736	3,337	1,981	1,991	1,315	682	686	557	971	745	591

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.3-11-2c. State Water Project Banks Pumping Plant Exports, ALT2v2 June Outflow minus No Action Alternative, Monthly Delivery (cfs)

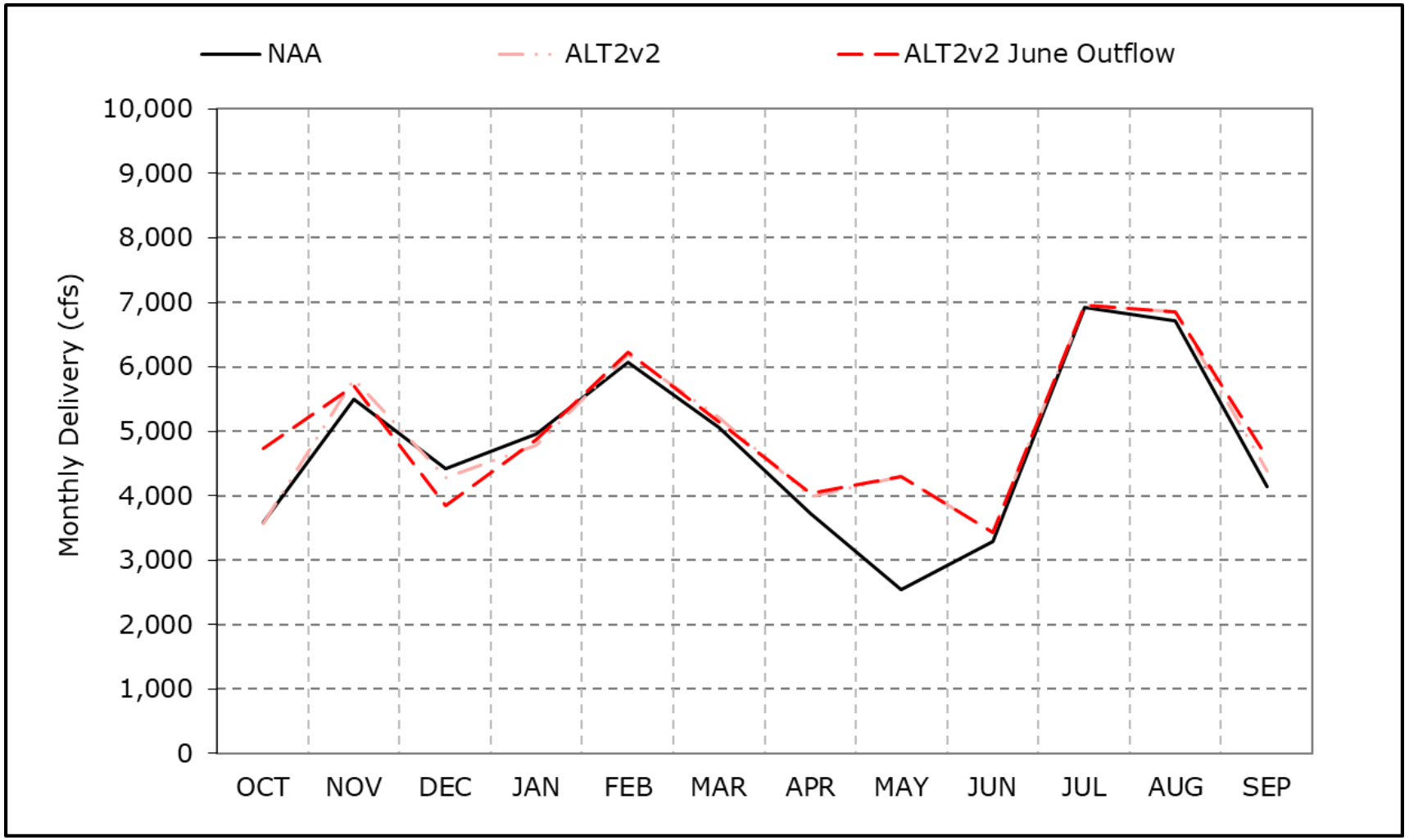
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,446	0	-456	-1,049	309	-296	-117	2,804	208	0	0	1,344
20% Exceedance	1,016	7	-186	-358	-176	-6	299	1,879	-21	173	325	79
30% Exceedance	677	258	-527	-556	-298	-573	902	1,508	21	296	181	-501
40% Exceedance	670	408	-226	-178	-138	-588	441	1,194	52	117	190	511
50% Exceedance	430	372	-78	-80	-169	-376	161	896	-139	220	380	161
60% Exceedance	234	154	-122	-111	-126	-365	-10	664	-196	351	962	256
70% Exceedance	-23	173	-63	-152	-160	-707	-187	512	-188	1,242	1,371	395
80% Exceedance	-246	-50	-186	-140	-122	-719	-3	168	-128	1,222	755	359
90% Exceedance	-10	-429	-233	-80	-11	-672	0	-6	0	615	162	73
Full Simulation Period Average[a]	349	98	-221	-207	-48	-360	184	915	-39	362	450	297
Wet Water Years (28%)	1,154	206	-584	-90	149	92	314	1,742	144	45	135	446
Above Normal Water Years (14%)	481	408	-126	-83	-19	-641	405	958	-178	159	124	904
Below Normal Water Years (18%)	87	125	-63	-167	-42	-836	118	935	-44	241	927	176
Dry Water Years (24%)	-75	40	13	-252	-152	-389	37	415	-258	745	651	-41
Critical Water Years (16%)	-294	-351	-204	-497	-268	-328	57	158	95	653	445	146

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



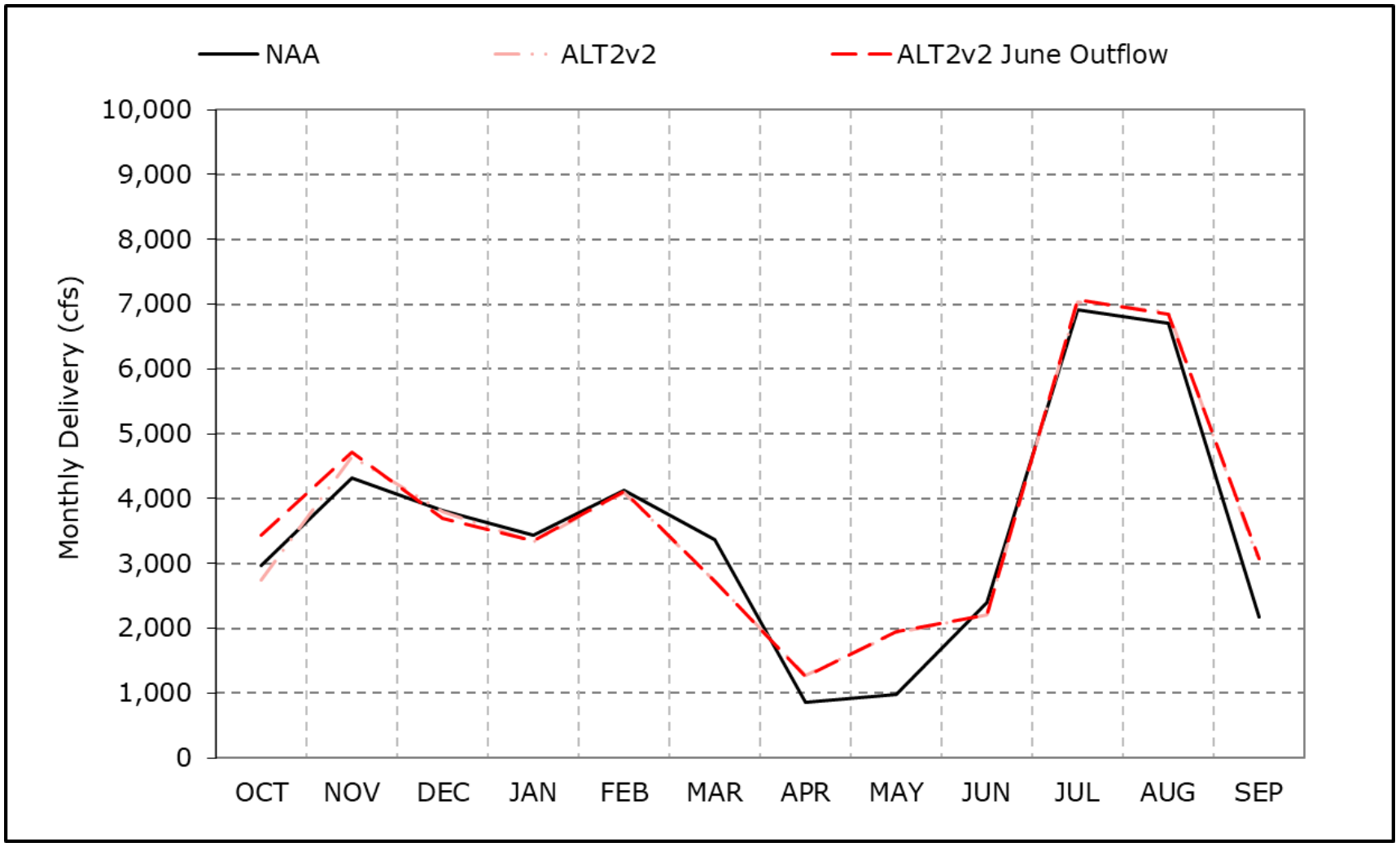
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-1. State Water Project Banks Pumping Plant Exports, Long-Term Average Delivery



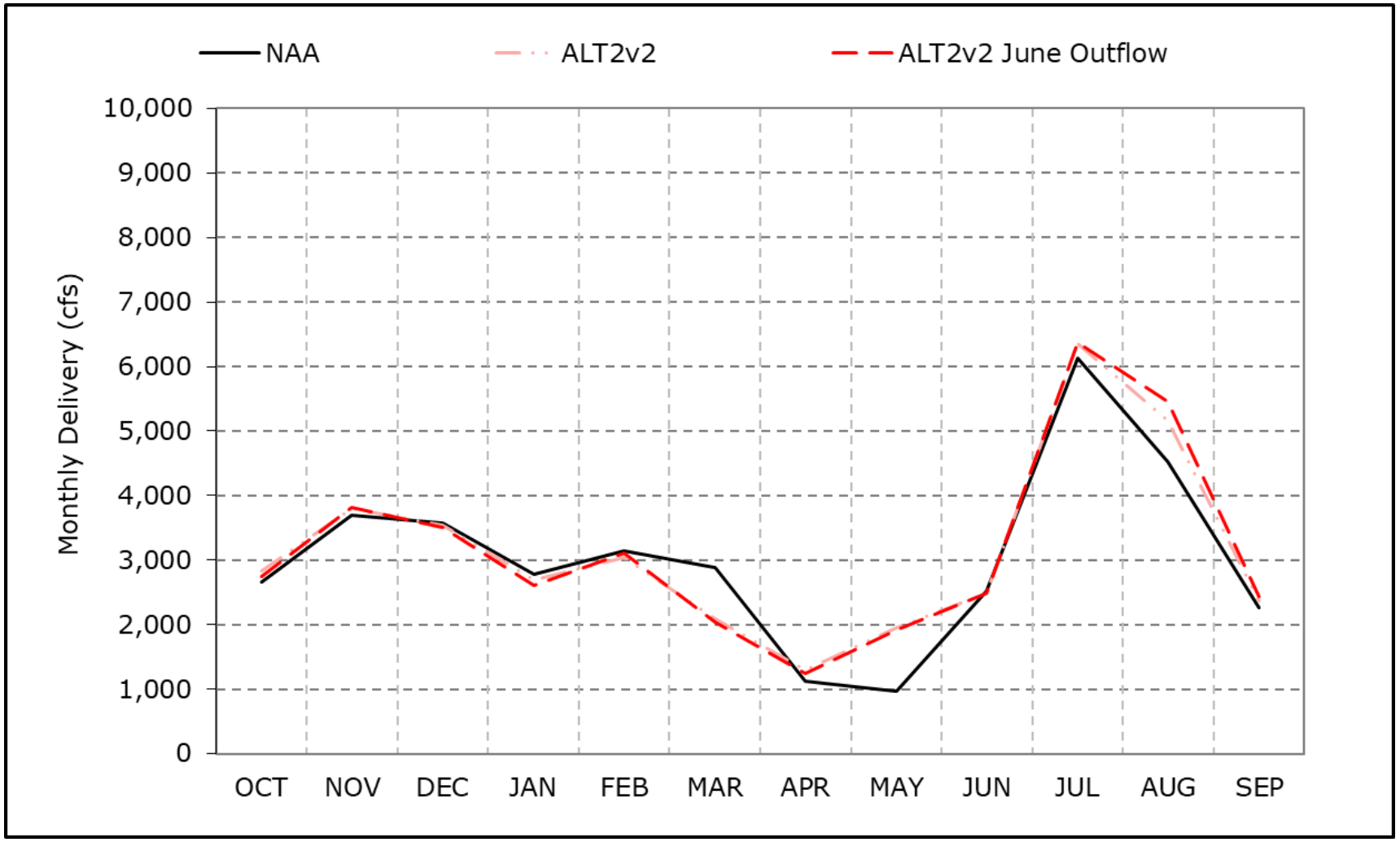
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-2. State Water Project Banks Pumping Plant Exports, Wet Year Average Delivery



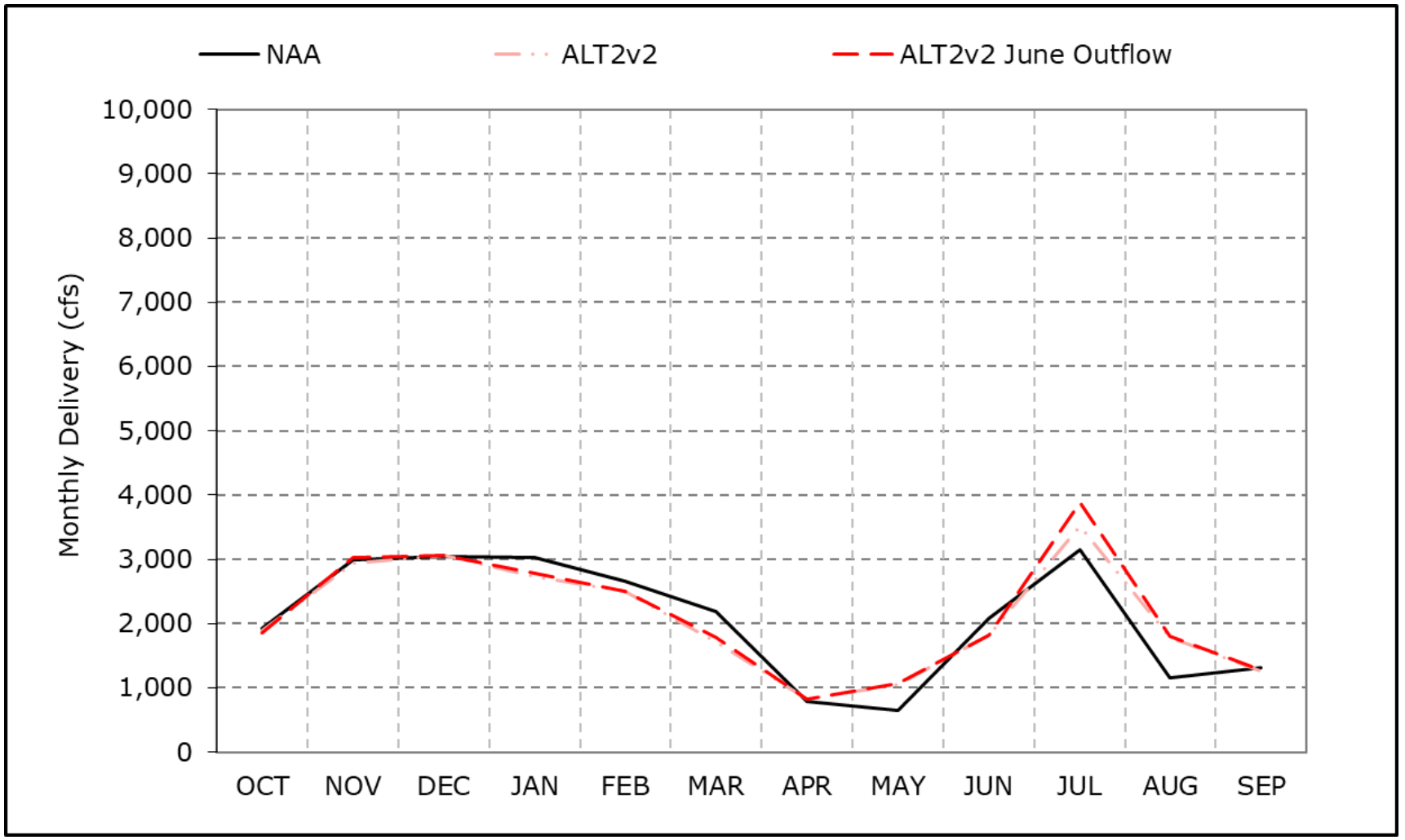
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-3. State Water Project Banks Pumping Plant Exports, Above Normal Year Average Delivery



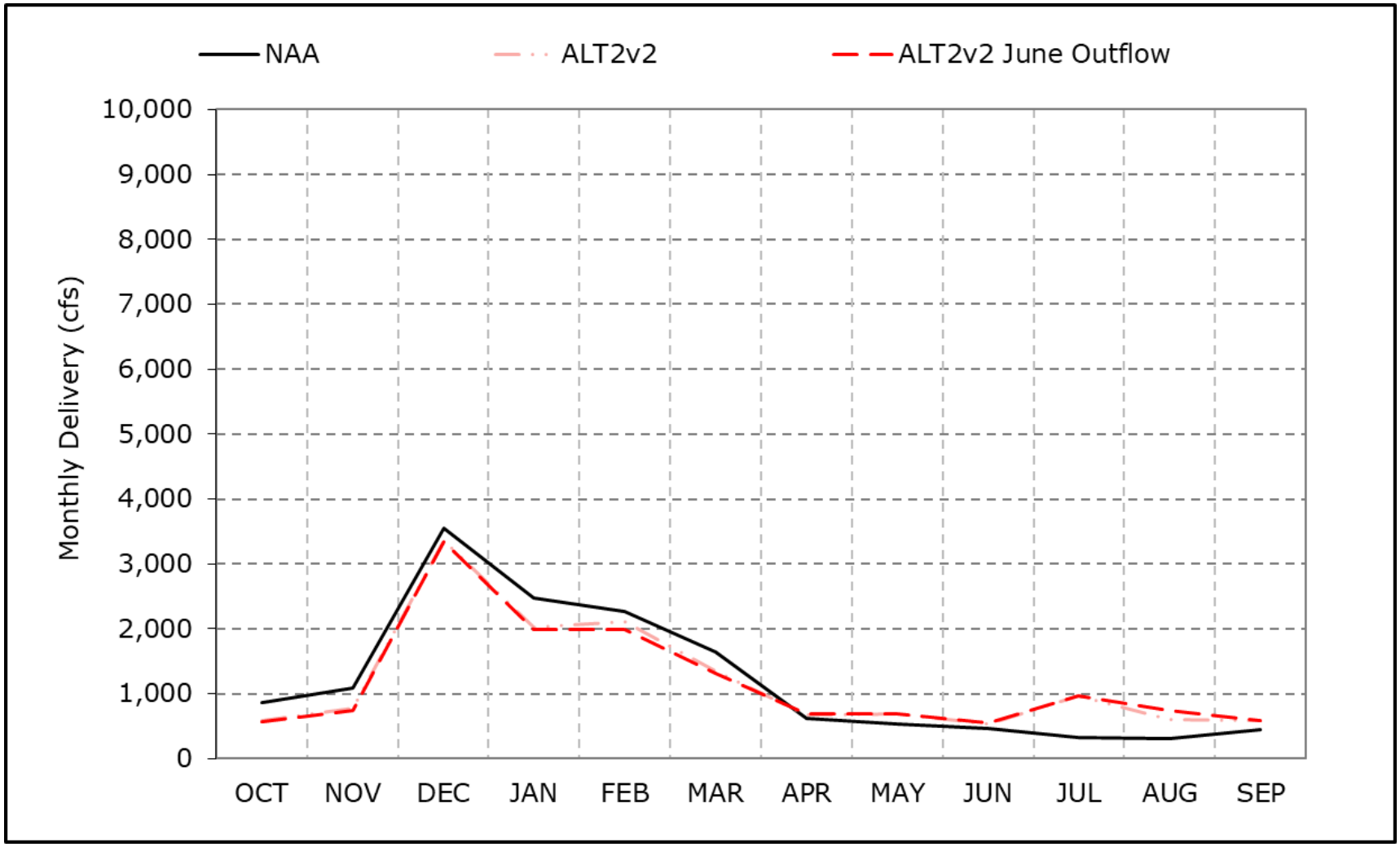
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-4. State Water Project Banks Pumping Plant Exports, Below Normal Year Average Delivery



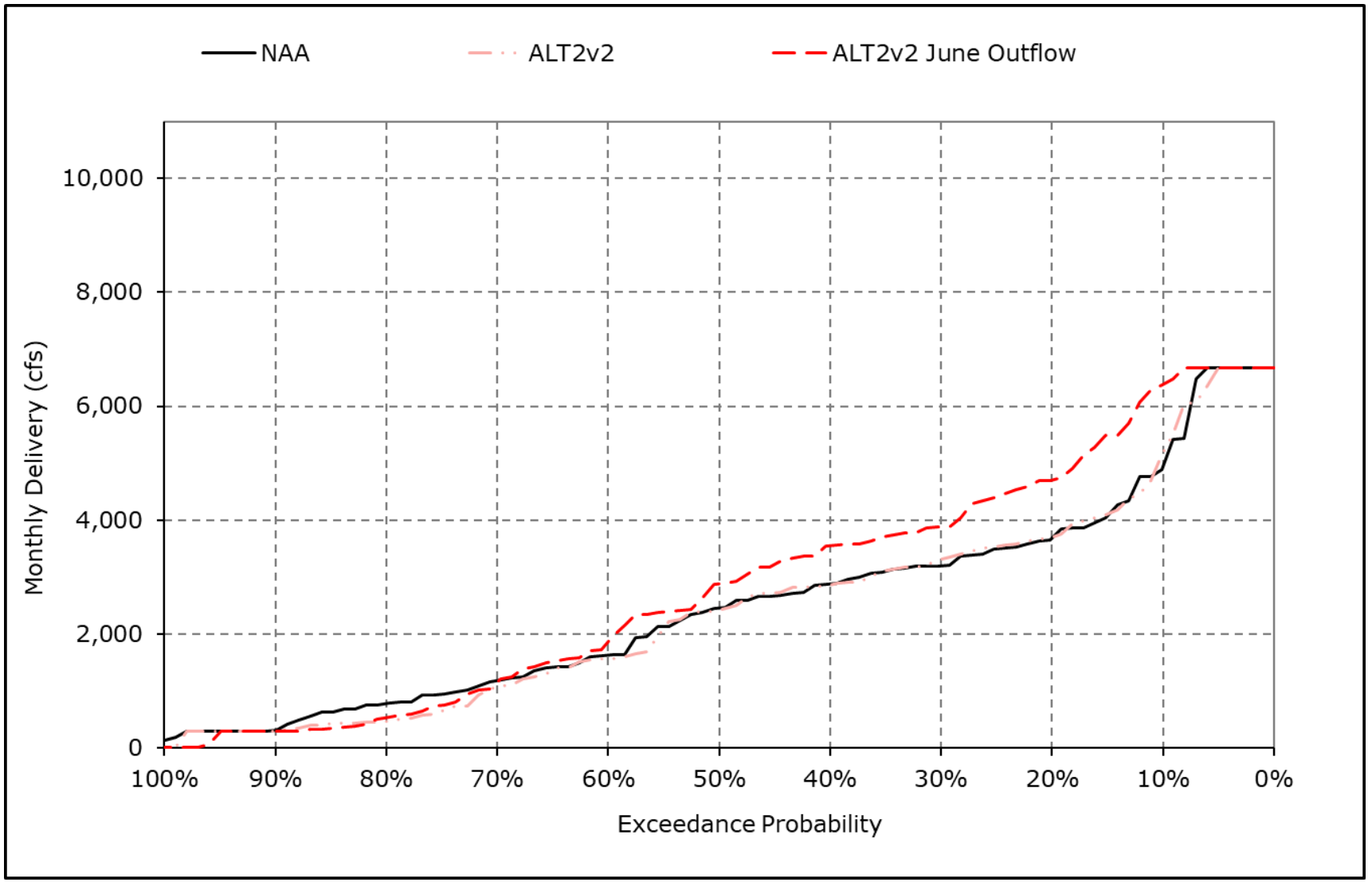
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-5. State Water Project Banks Pumping Plant Exports, Dry Year Average Delivery



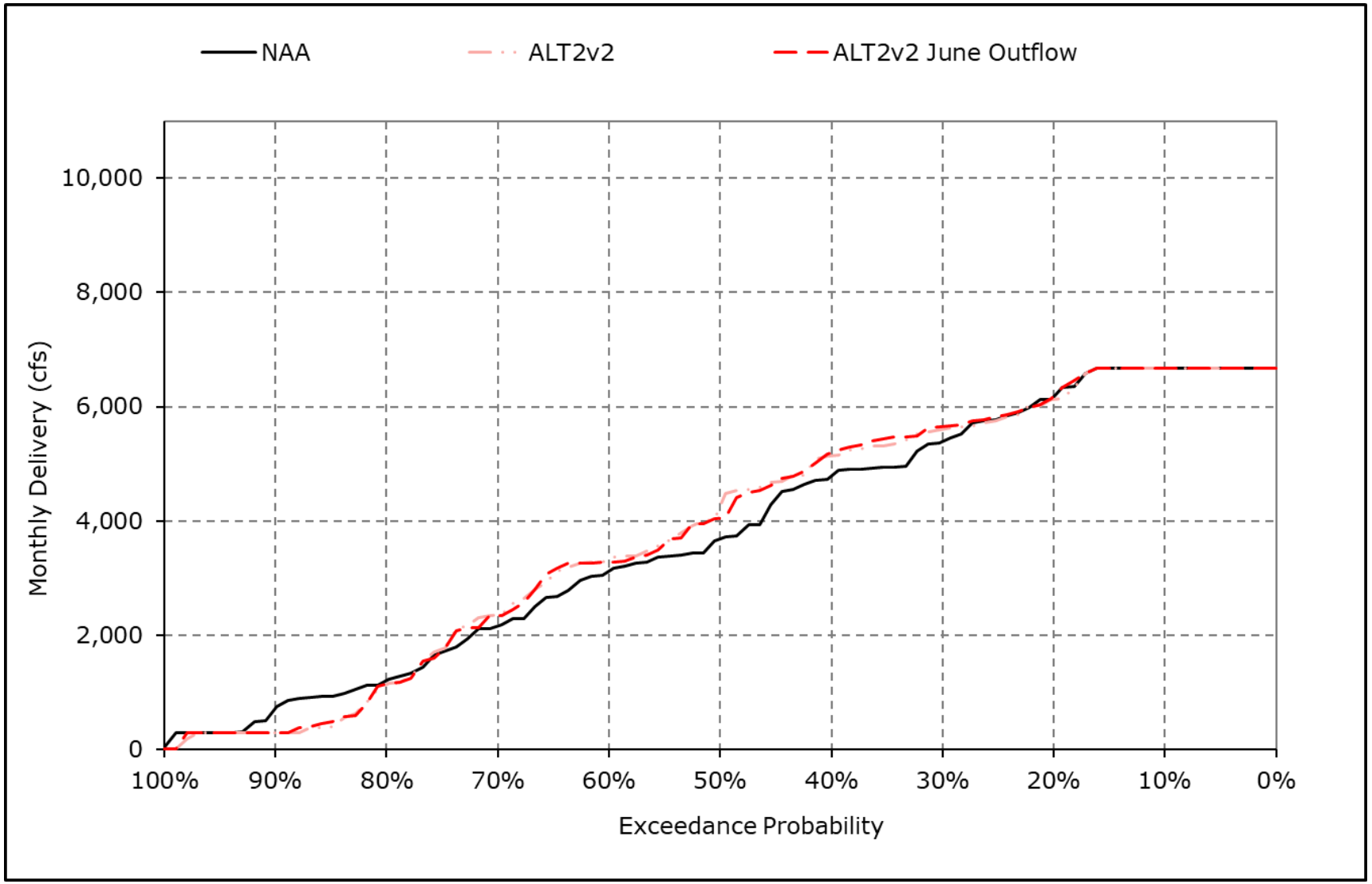
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-6. State Water Project Banks Pumping Plant Exports, Critical Year Average Delivery



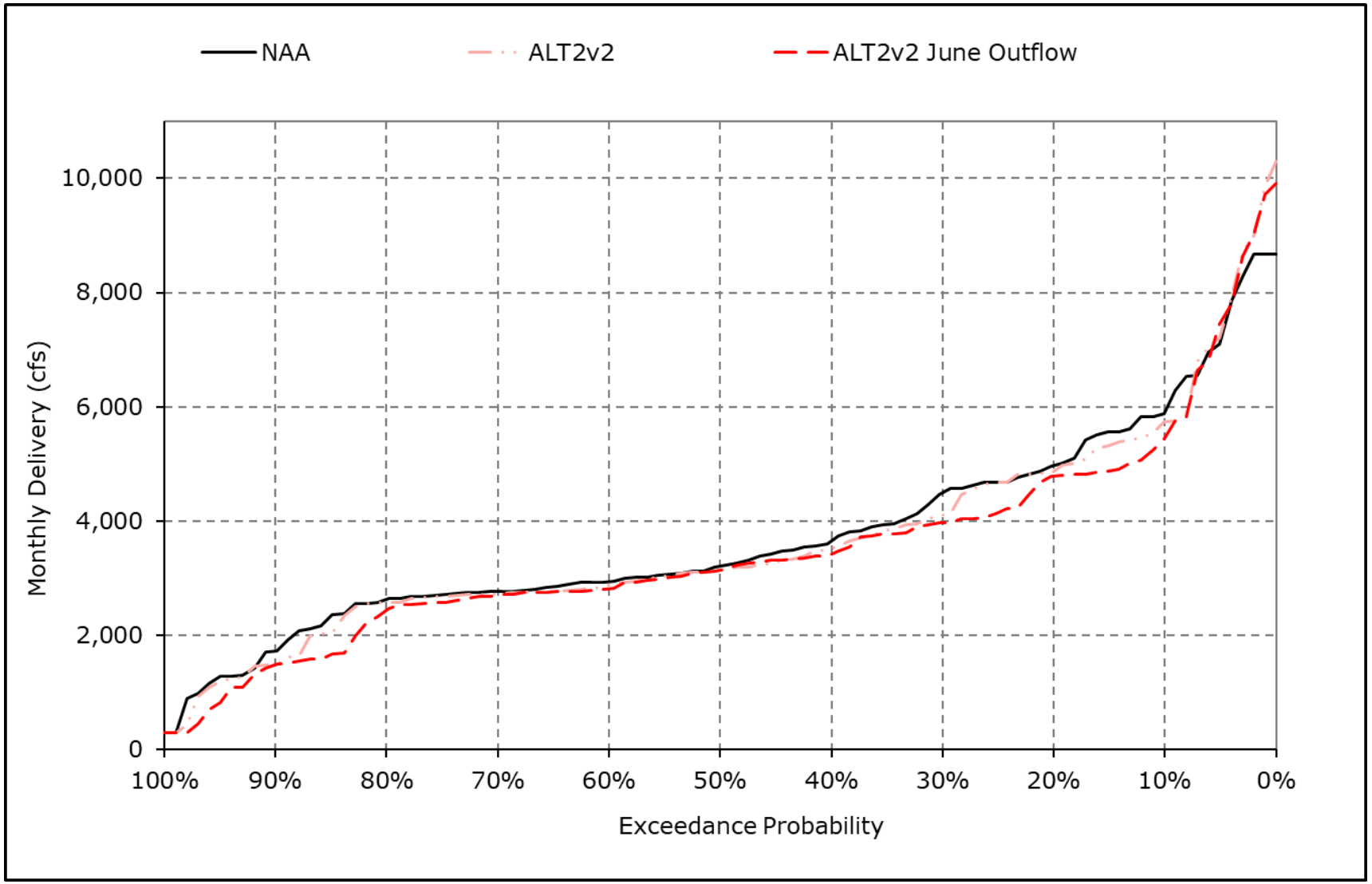
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-7. State Water Project Banks Pumping Plant Exports, October



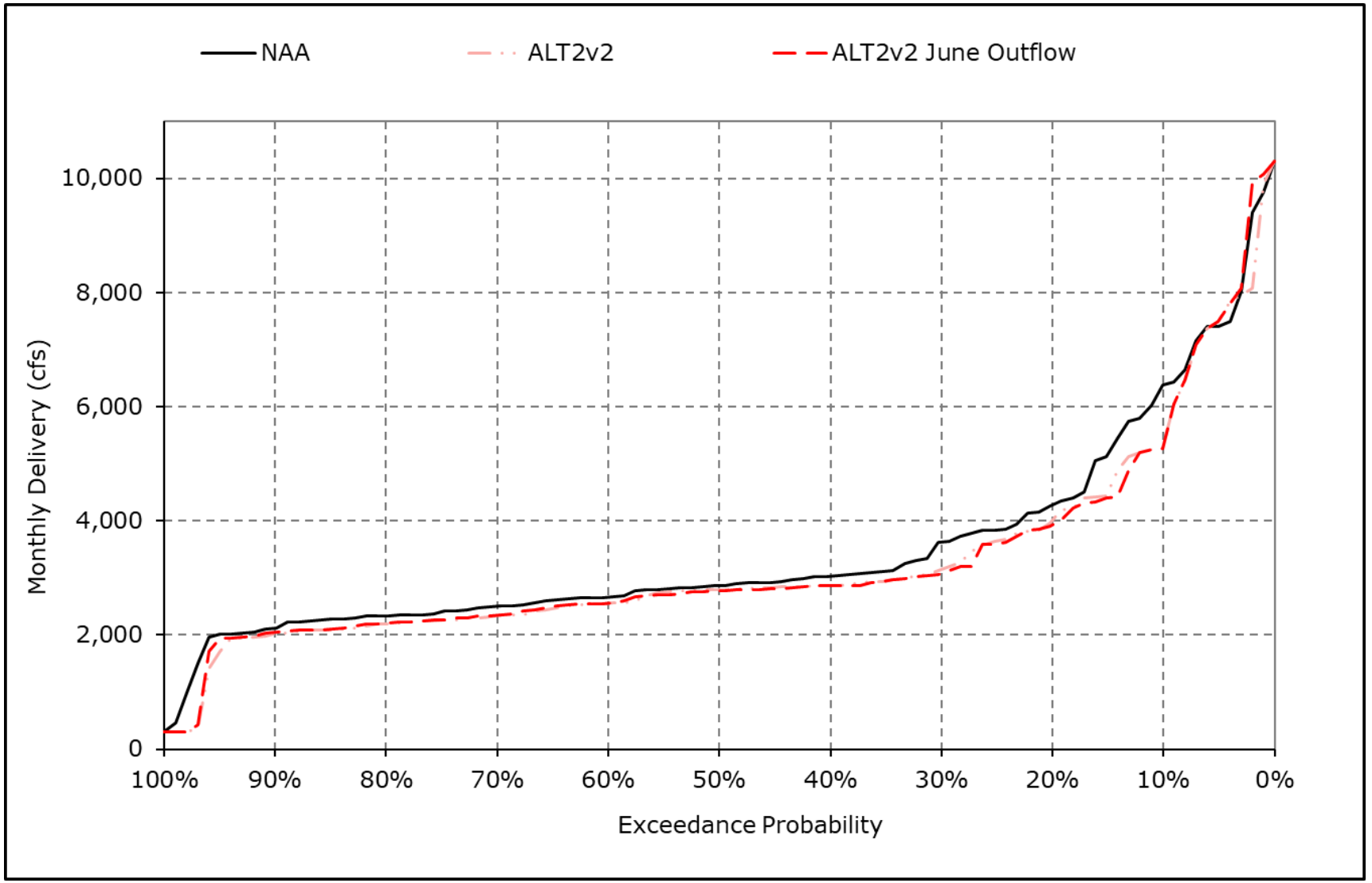
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-8. State Water Project Banks Pumping Plant Exports, November



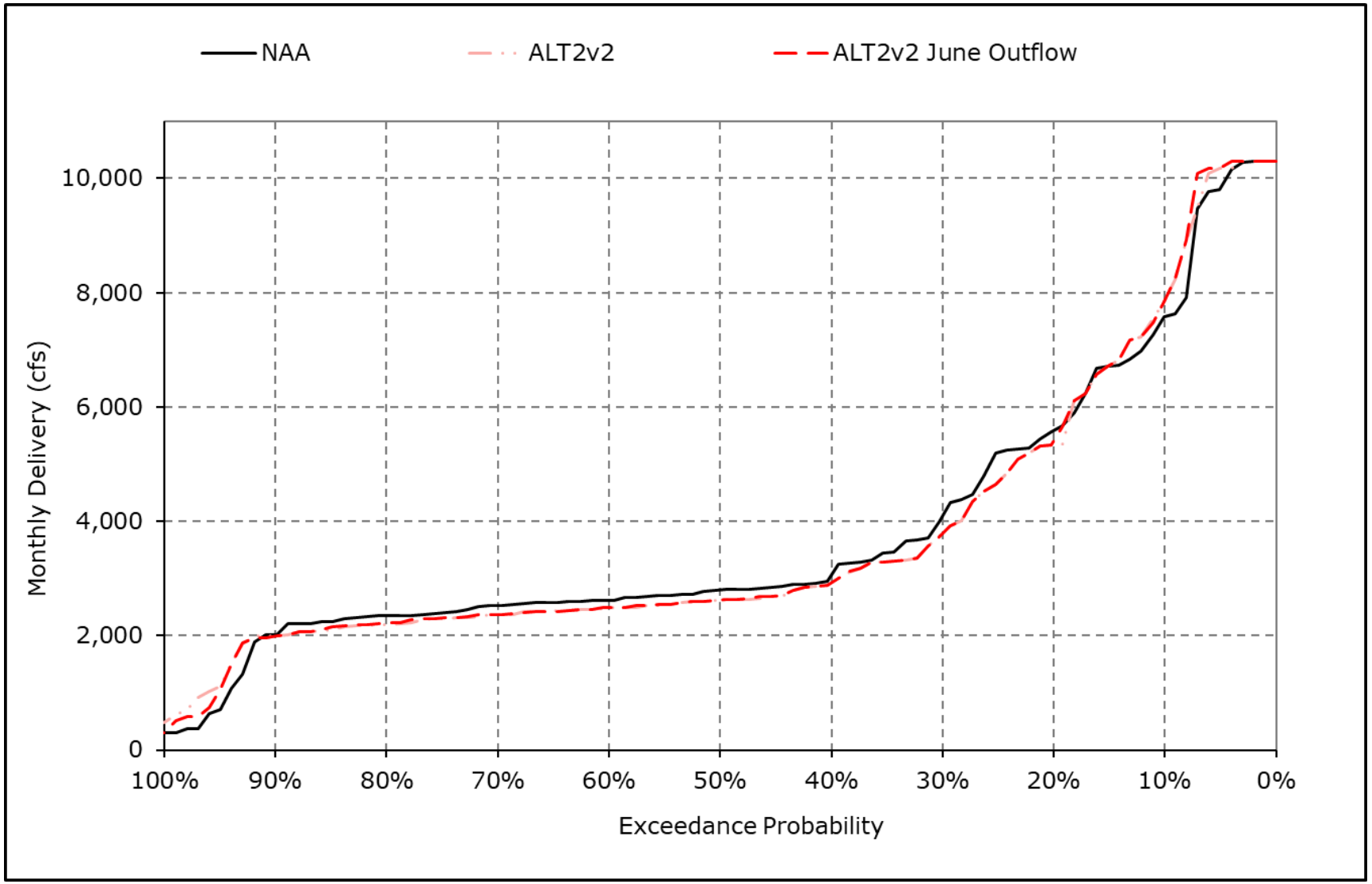
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-9. State Water Project Banks Pumping Plant Exports, December



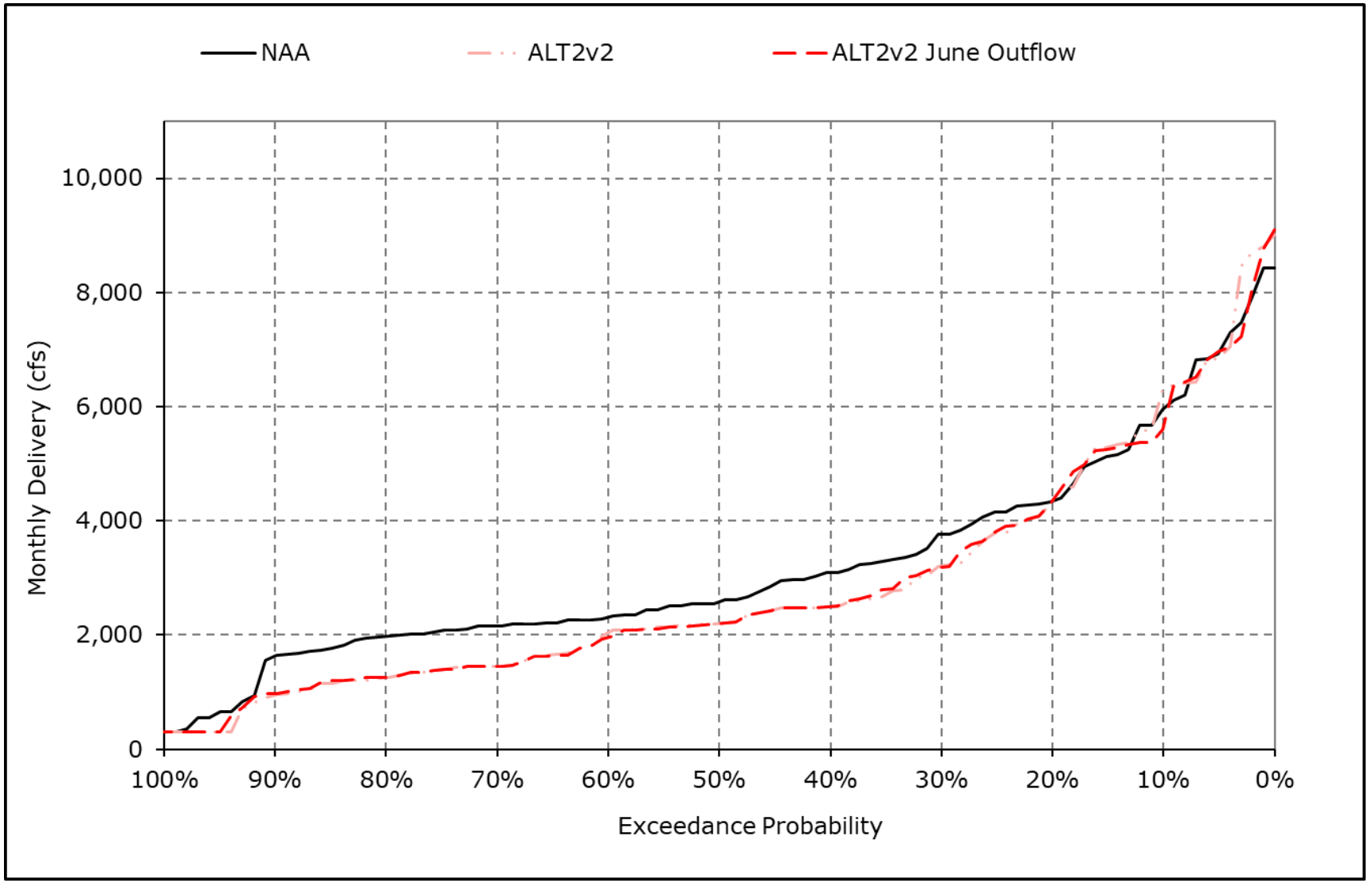
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-10. State Water Project Banks Pumping Plant Exports, January



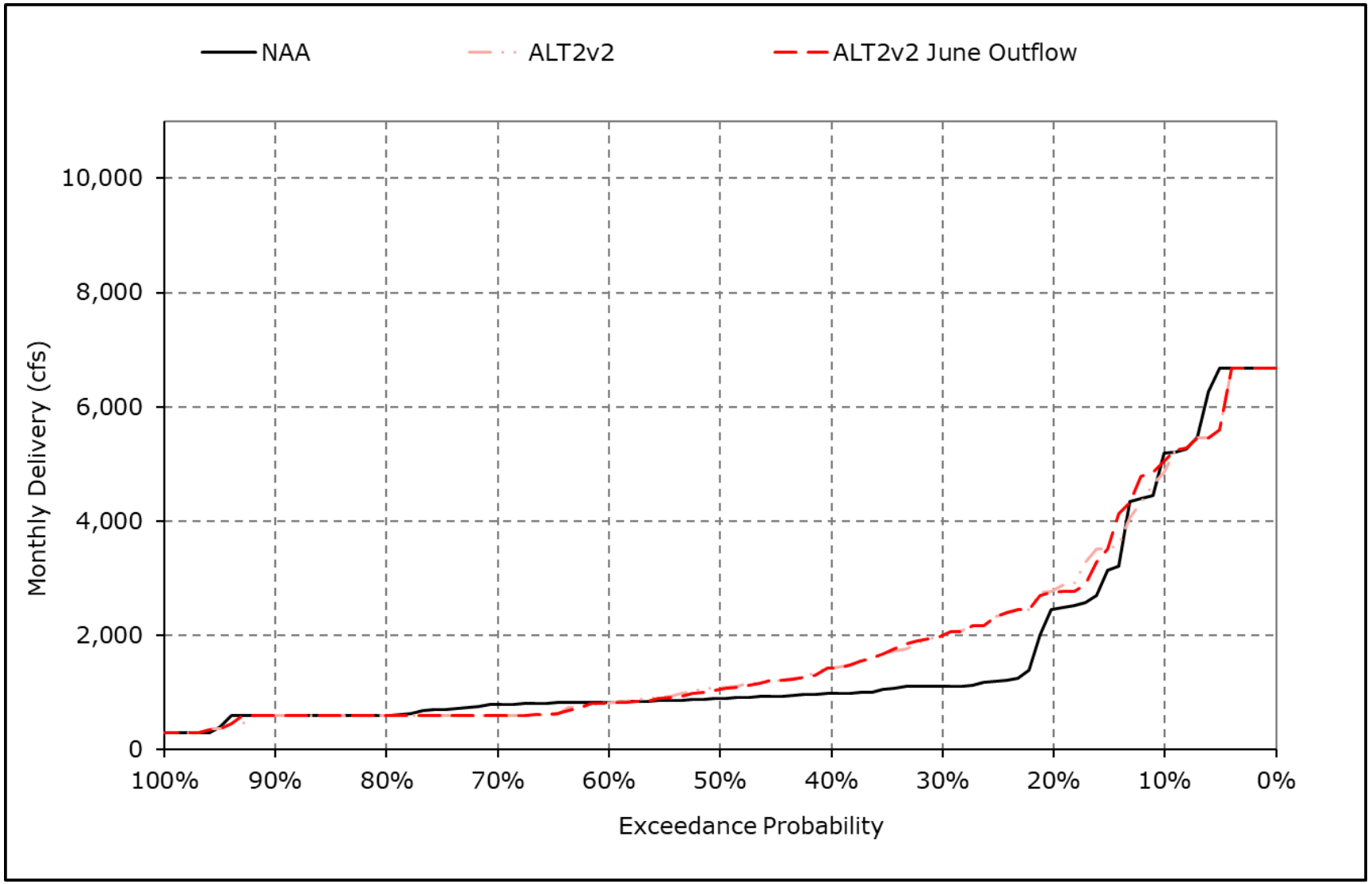
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-11. State Water Project Banks Pumping Plant Exports, February



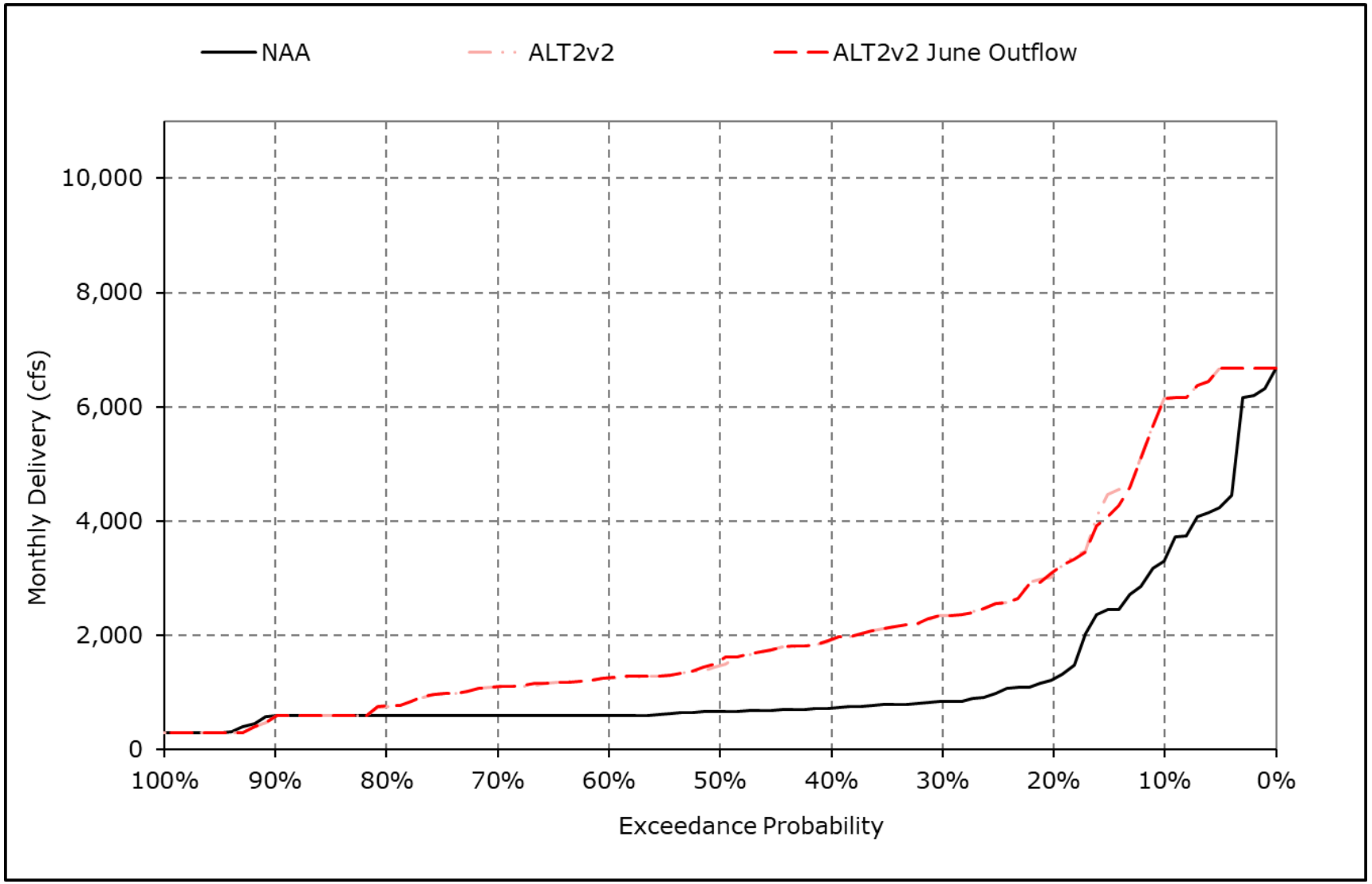
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-12. State Water Project Banks Pumping Plant Exports, March



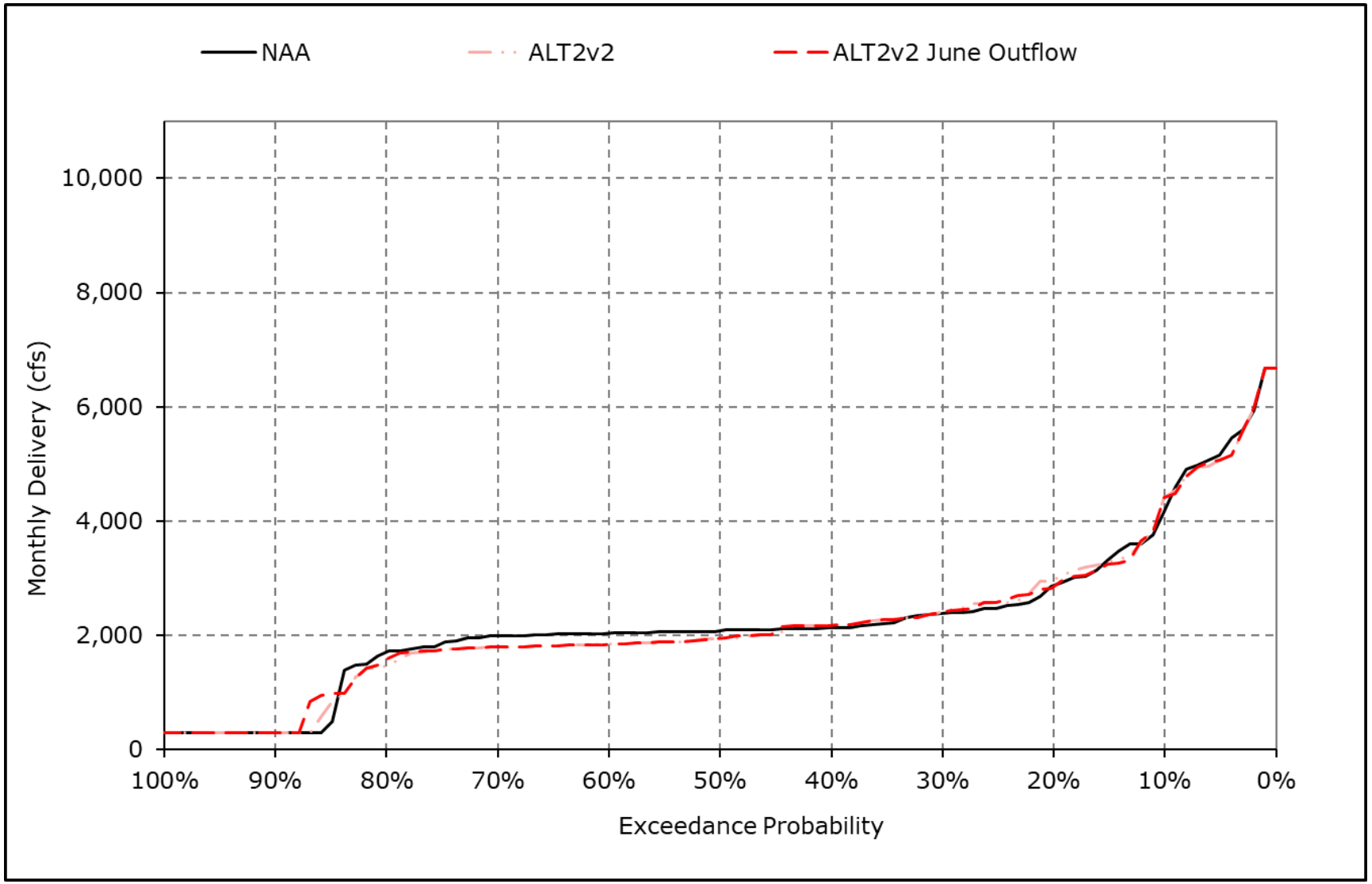
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-13. State Water Project Banks Pumping Plant Exports, April



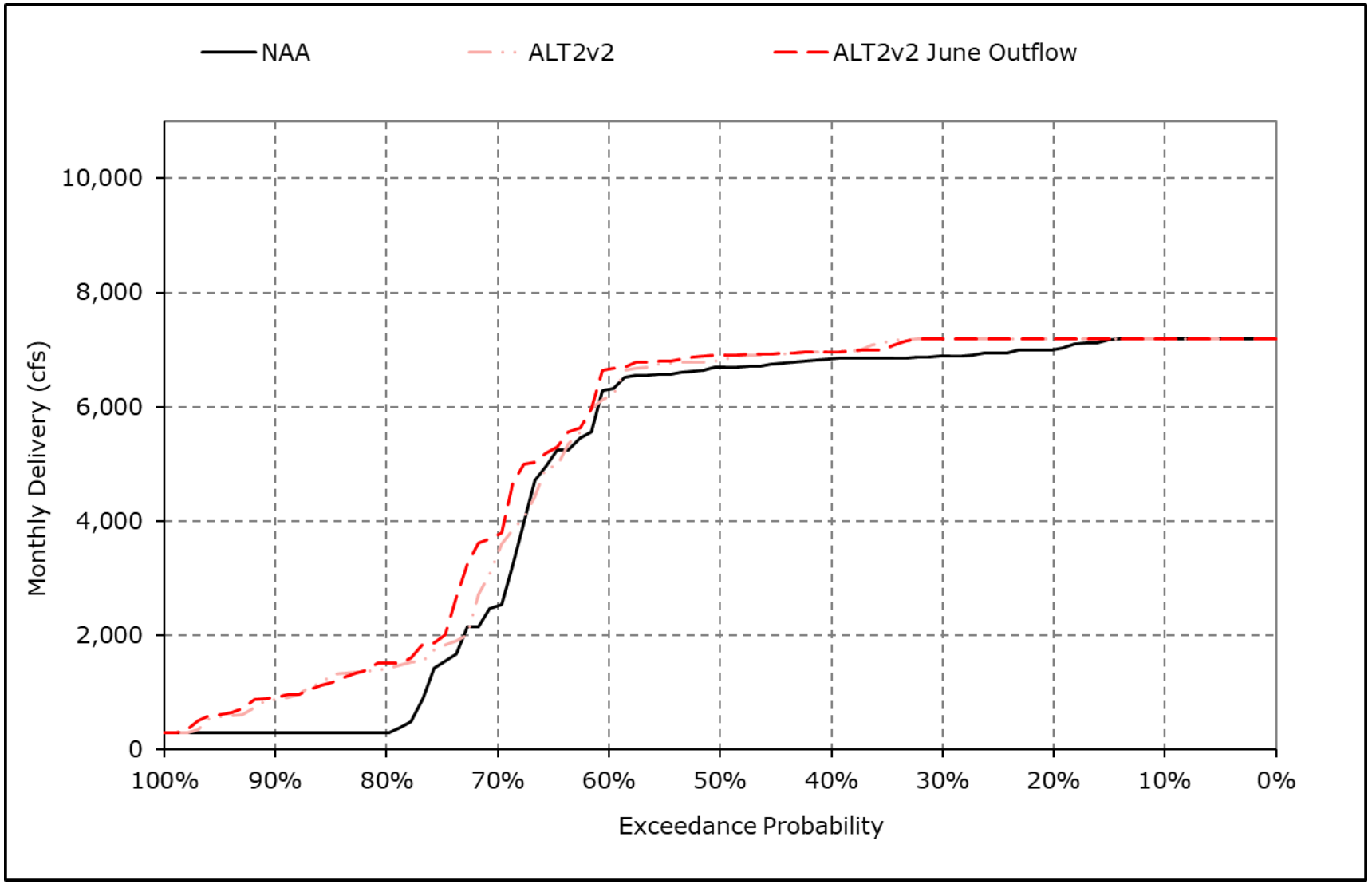
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-14. State Water Project Banks Pumping Plant Exports, May



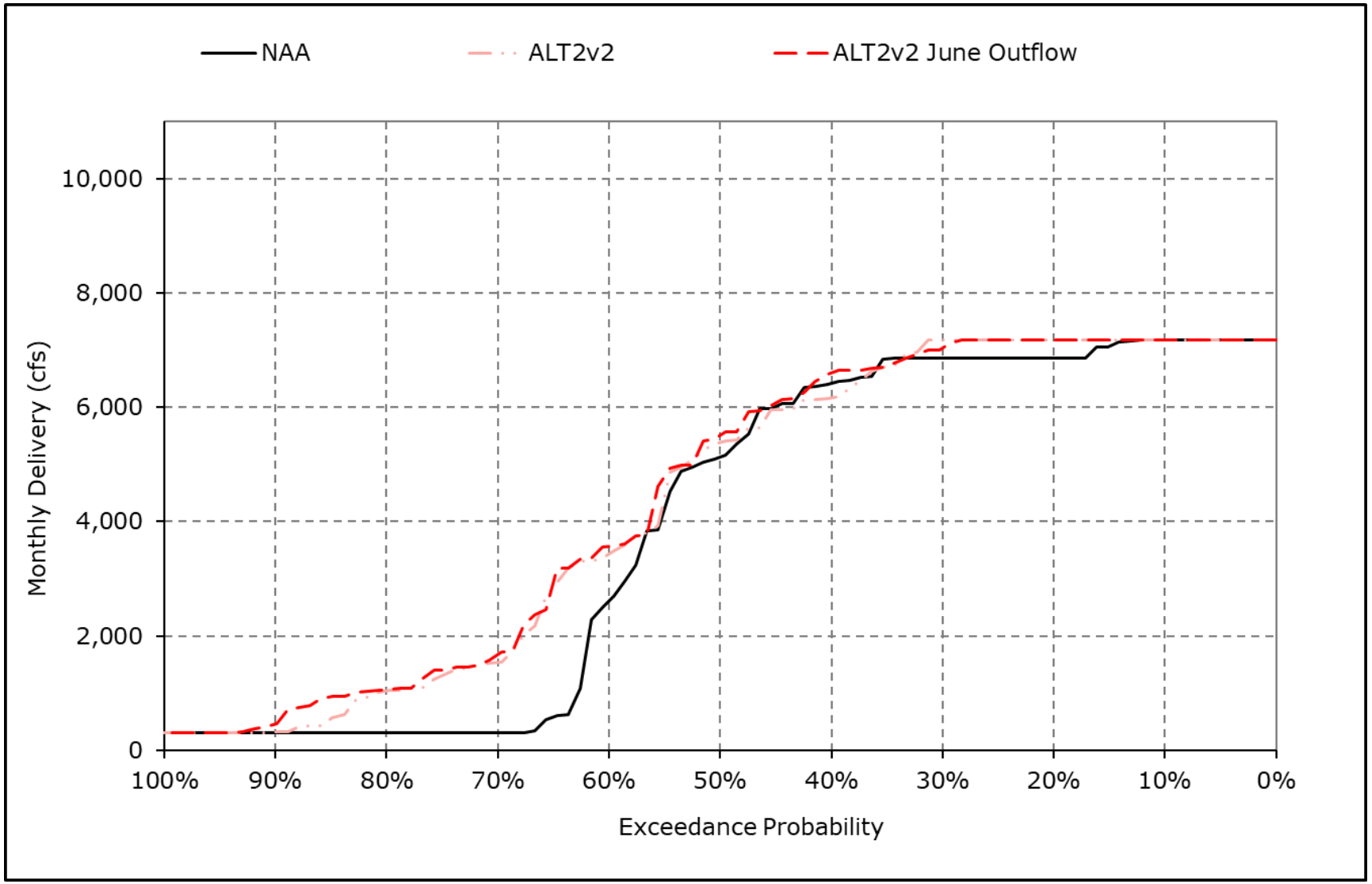
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-15. State Water Project Banks Pumping Plant Exports, June



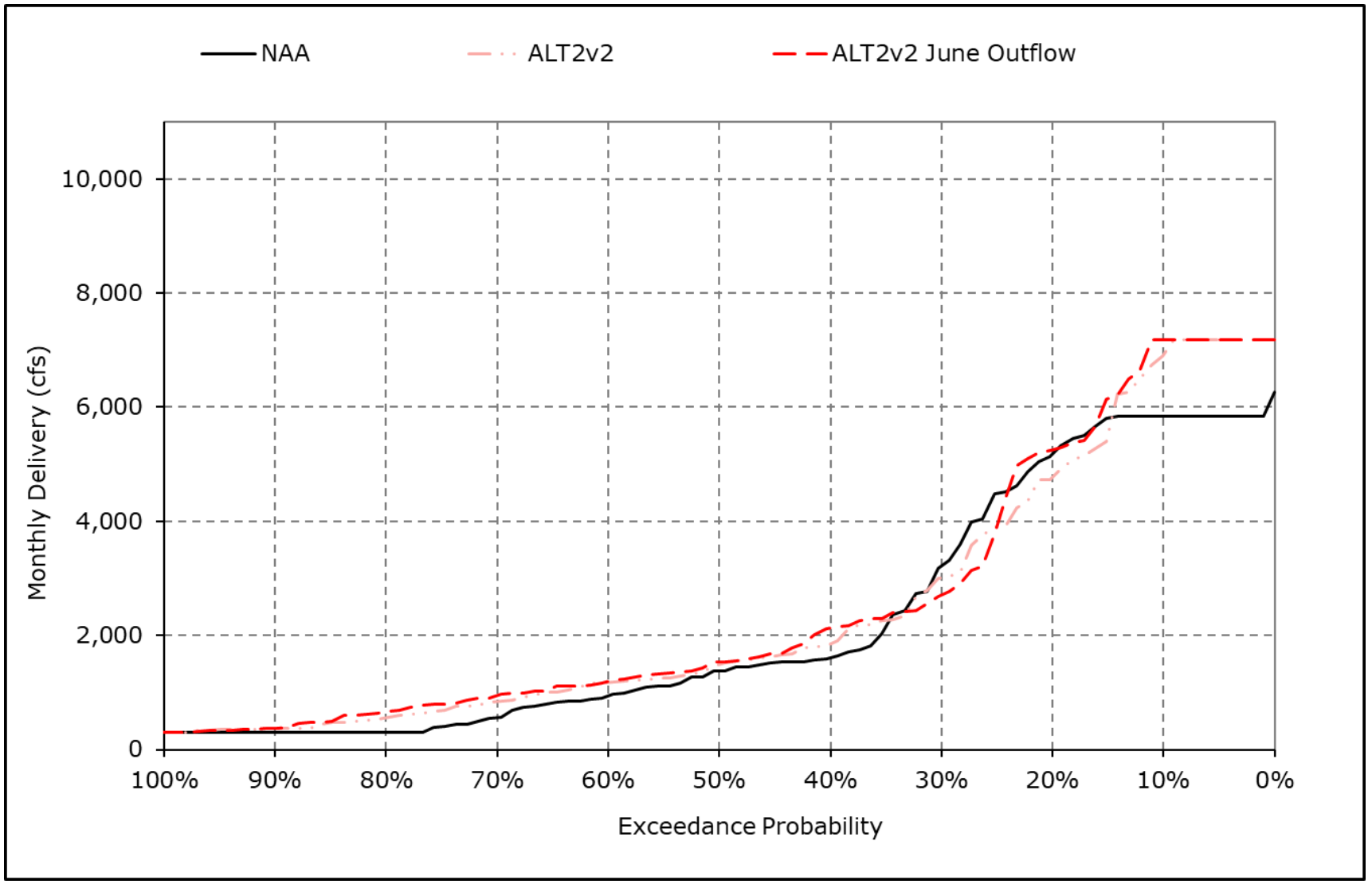
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-16. State Water Project Banks Pumping Plant Exports, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-17. State Water Project Banks Pumping Plant Exports, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-18. State Water Project Banks Pumping Plant Exports, September

Table F.2.3-12-1a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	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.2.3-12-1b. Delta-Mendota Canal–California Aqueduct Intertie Flow, ALT2v2, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	333	366	316	373	243	1	44	36	9	105	155
20% Exceedance	1	314	346	133	315	1	1	1	2	2	48	86
30% Exceedance	1	289	210	1	94	1	1	1	2	2	24	75
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	240	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	1	0	0	0	0	1	1	1	1	0	1	1
Full Simulation Period Average[a]	27	157	115	66	98	43	3	10	7	11	30	44
Wet Water Years (28%)	62	266	147	174	162	120	1	24	20	3	27	44
Above Normal Water Years (14%)	17	241	170	96	204	18	1	3	4	6	84	2
Below Normal Water Years (18%)	21	123	132	21	46	1	14	5	2	8	52	106
Dry Water Years (24%)	13	99	53	1	47	12	1	9	2	30	5	53
Critical Water Years (16%)	1	0	77	1	24	27	1	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.2.3-12-1c. Delta-Mendota Canal–California Aqueduct Intertie Flow, ALT2v2 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-2	-2	0	11	-44	0	4	-3	8	-3	3
20% Exceedance	0	0	-6	-79	40	-31	0	0	0	0	7	-1
30% Exceedance	0	4	-93	0	15	0	0	0	0	0	22	22
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	196	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	1	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	1	0	1	1
Full Simulation Period Average[a]	-1	6	-9	-6	7	-9	-3	2	-1	1	2	1
Wet Water Years (28%)	-3	-1	-3	10	27	46	-10	0	-2	2	7	4
Above Normal Water Years (14%)	-1	-8	-31	-23	56	-88	-16	1	-1	-9	5	0
Below Normal Water Years (18%)	0	32	0	-32	-16	-22	13	4	0	-8	-7	15
Dry Water Years (24%)	0	9	-16	0	-9	-27	0	3	0	15	4	-11
Critical Water Years (16%)	0	0	2	0	-24	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.2.3-12-2a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	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.2.3-12-2b. Delta-Mendota Canal–California Aqueduct Intertie Flow, ALT2v2 June Outflow, Monthly Flow (cfs)

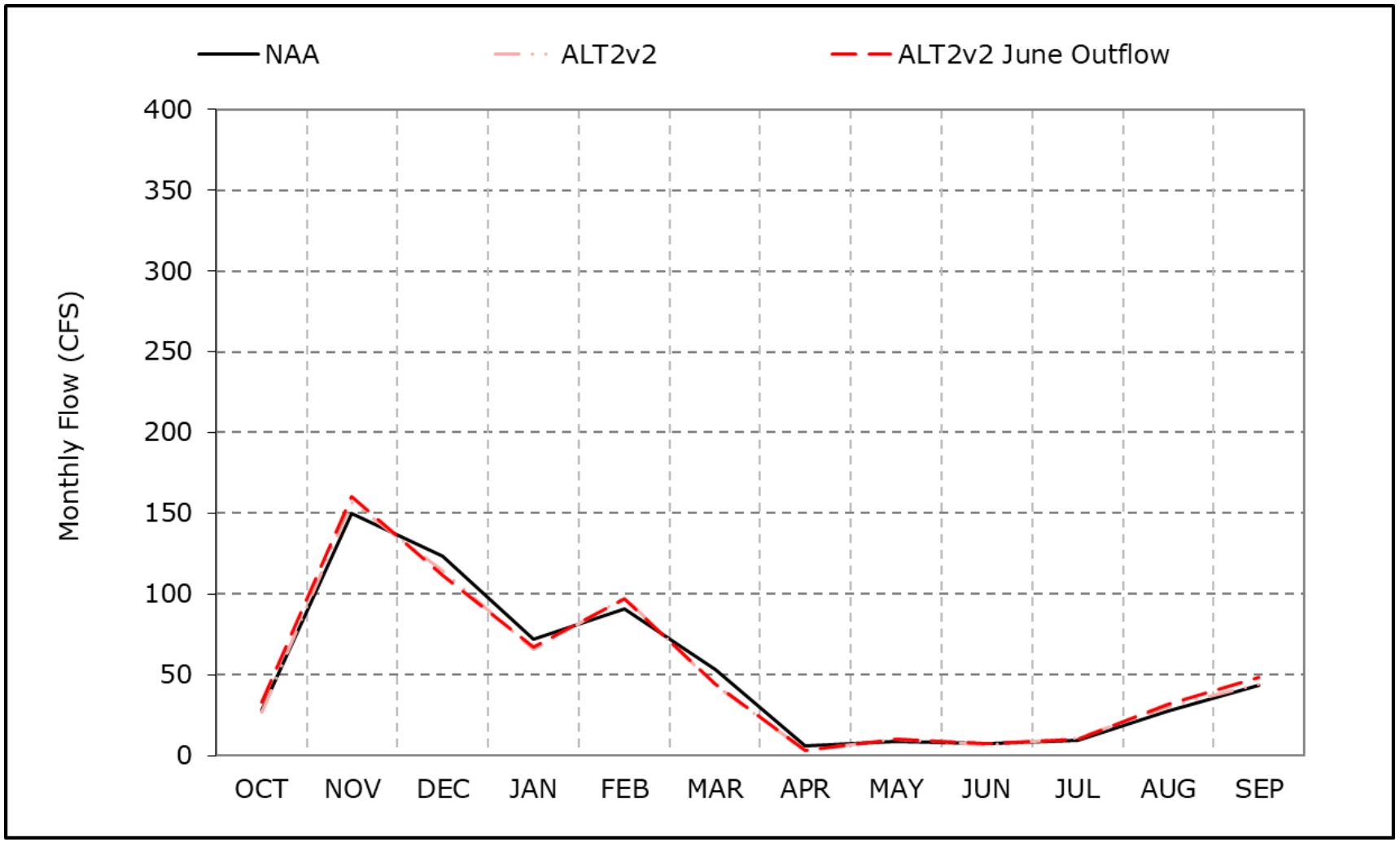
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	334	367	316	374	244	1	48	39	8	95	159
20% Exceedance	97	314	349	133	322	1	1	1	2	2	49	91
30% Exceedance	1	290	213	1	94	1	1	1	2	2	34	78
40% Exceedance	1	272	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	253	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	0	1	1	1	1	1	1	2	0	1	1
90% Exceedance	1	0	0	0	0	1	1	1	1	0	0	1
Full Simulation Period Average[a]	33	160	112	67	97	44	3	10	7	10	31	48
Wet Water Years (28%)	79	275	149	168	148	118	1	24	20	2	29	57
Above Normal Water Years (14%)	26	227	143	96	204	17	1	6	5	11	100	8
Below Normal Water Years (18%)	21	121	133	20	46	19	12	5	2	7	45	102
Dry Water Years (24%)	13	114	55	13	47	12	1	8	2	27	5	52
Critical Water Years (16%)	1	0	77	1	46	16	1	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.2.3-12-2c. Delta-Mendota Canal–California Aqueduct Intertie Flow, ALT2v2 June Outflow minus No Action Alternative, Monthly Flow (cfs)

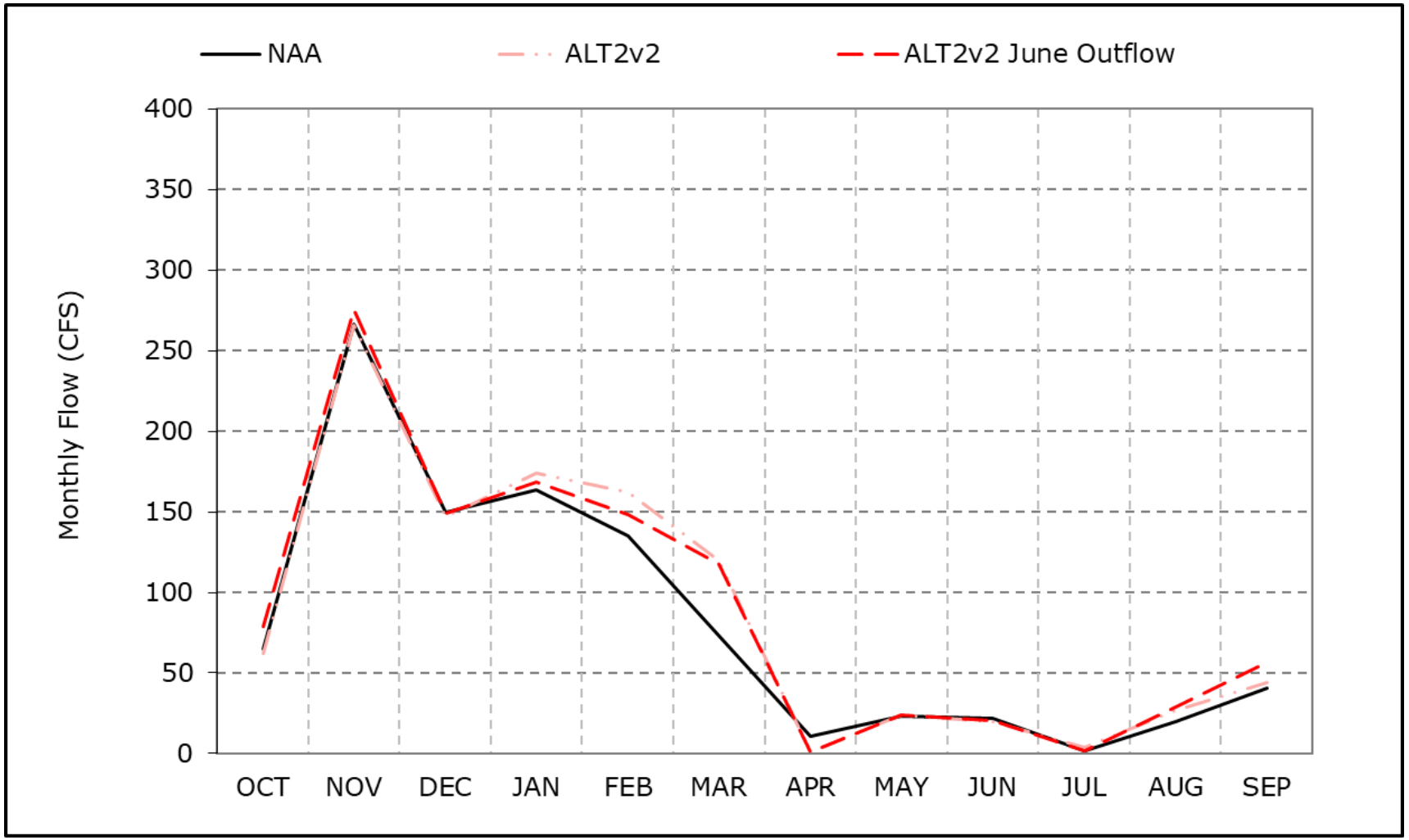
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	-2	-1	0	12	-43	0	8	0	7	-13	8
20% Exceedance	96	-1	-3	-79	47	-31	0	0	0	0	8	4
30% Exceedance	0	5	-90	0	15	0	0	0	0	0	32	25
40% Exceedance	0	2	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	209	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	1	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	1	0	0	1
Full Simulation Period Average[a]	5	10	-12	-5	6	-9	-3	2	0	1	4	5
Wet Water Years (28%)	14	9	-1	5	13	45	-10	1	-1	0	9	16
Above Normal Water Years (14%)	7	-22	-59	-24	57	-89	-16	4	0	-4	21	7
Below Normal Water Years (18%)	-1	30	1	-32	-16	-4	11	4	0	-9	-14	12
Dry Water Years (24%)	-1	23	-14	12	-9	-27	0	2	0	12	3	-11
Critical Water Years (16%)	0	0	2	0	-2	-10	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.



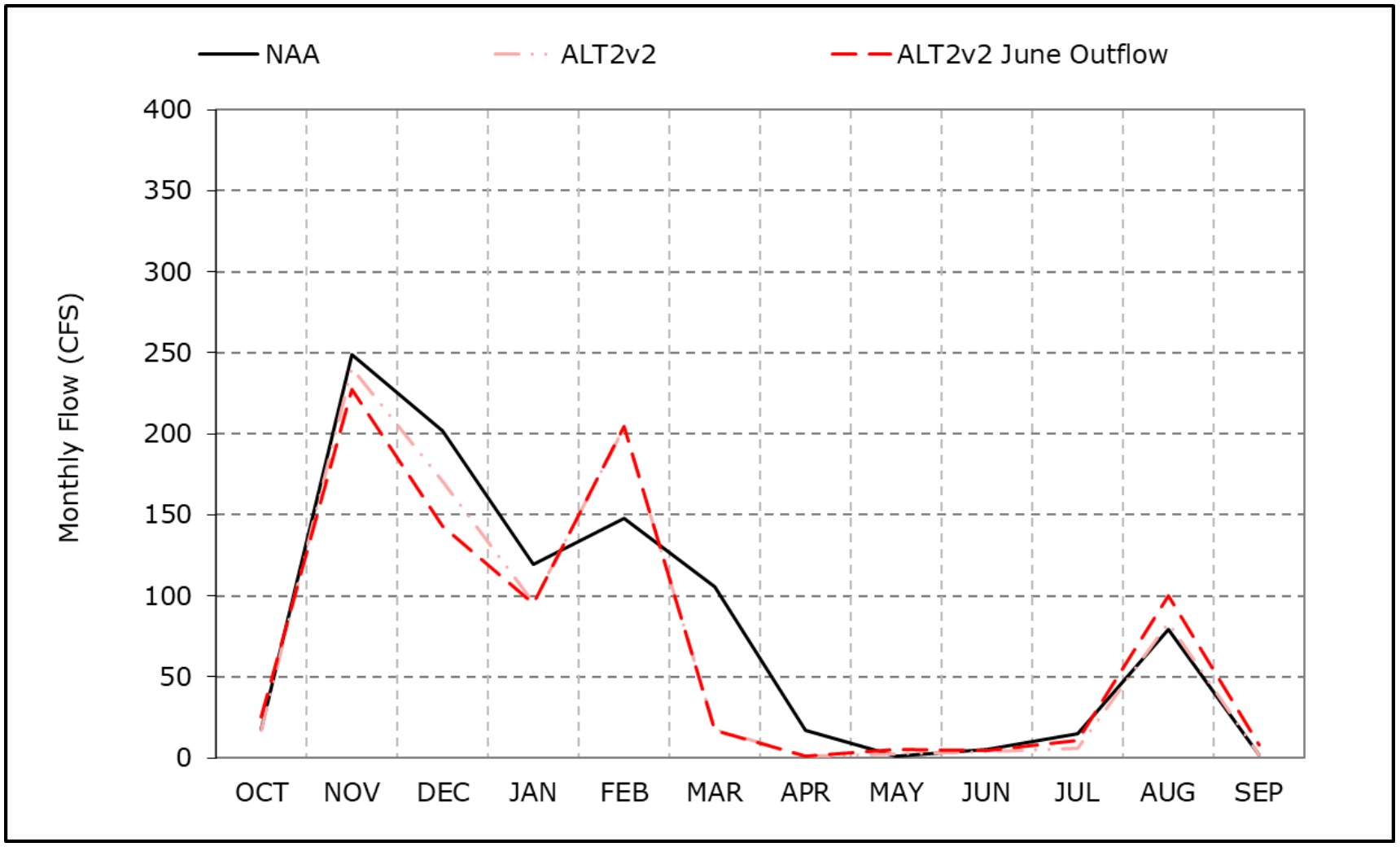
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-1. Delta-Mendota Canal–California Aqueduct Intertie Flow, Long-Term Average Flow



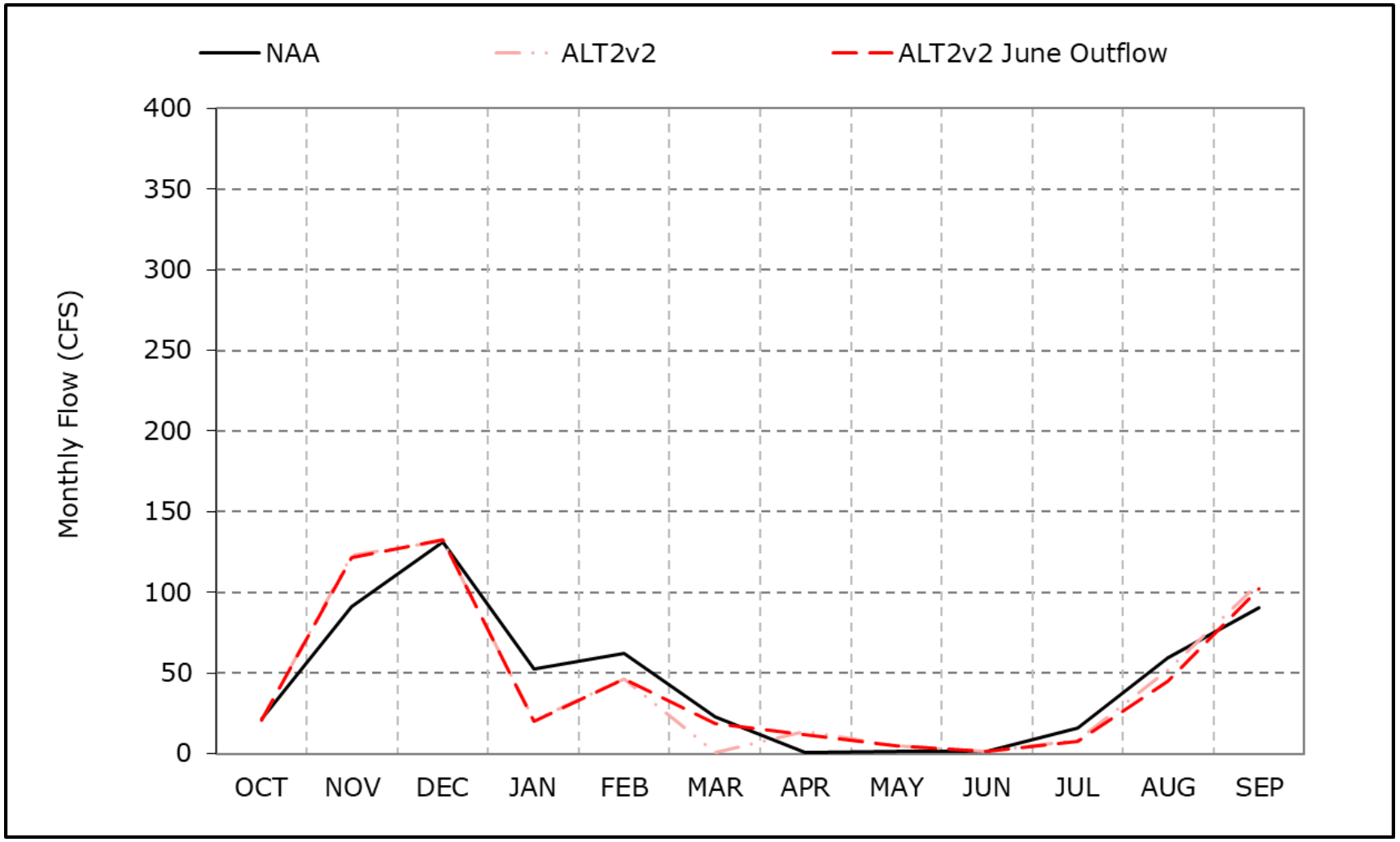
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-2. Delta-Mendota Canal–California Aqueduct Intertie Flow, Wet Year Average Flow



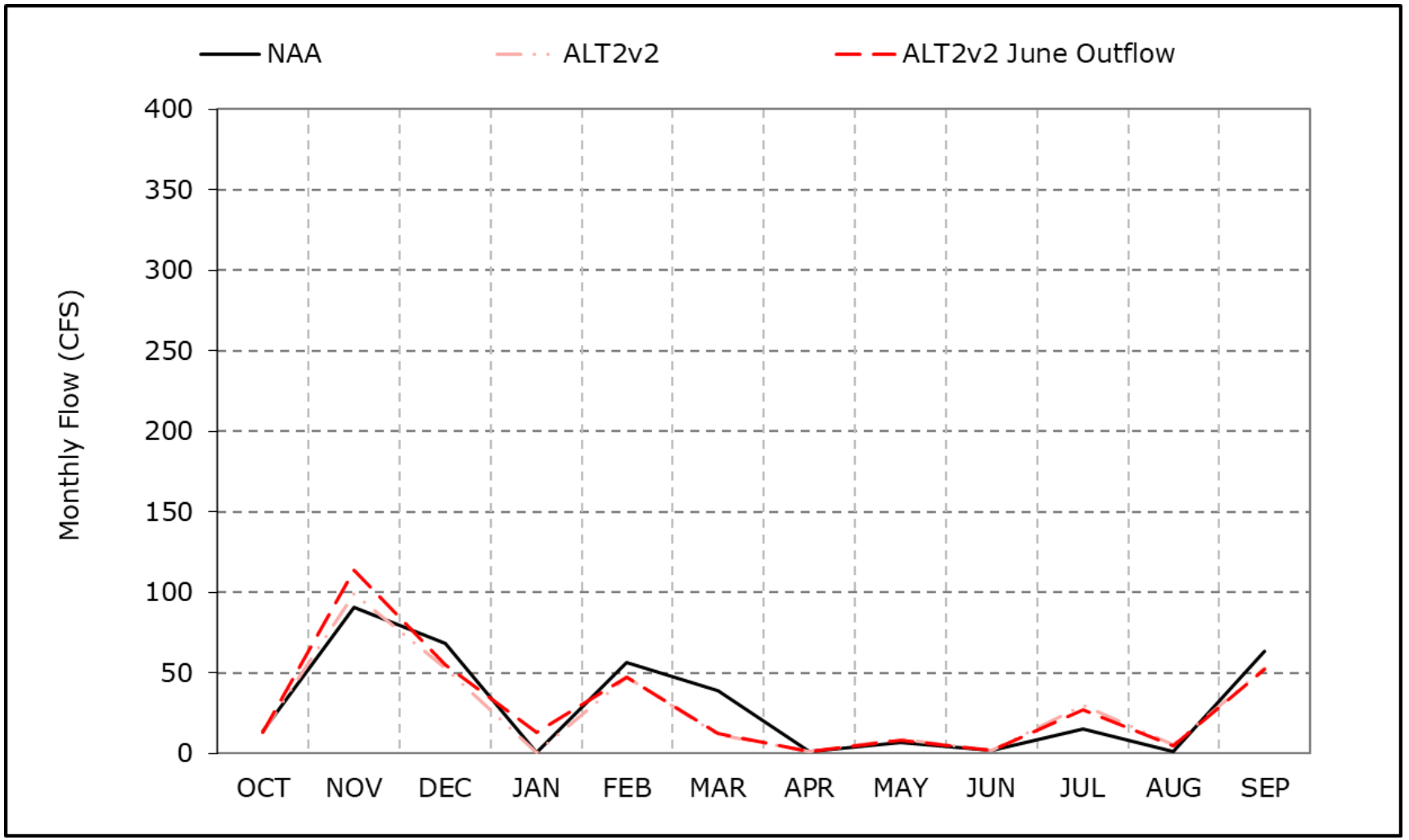
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-3. Delta-Mendota Canal–California Aqueduct Intertie Flow, Above Normal Year Average Flow



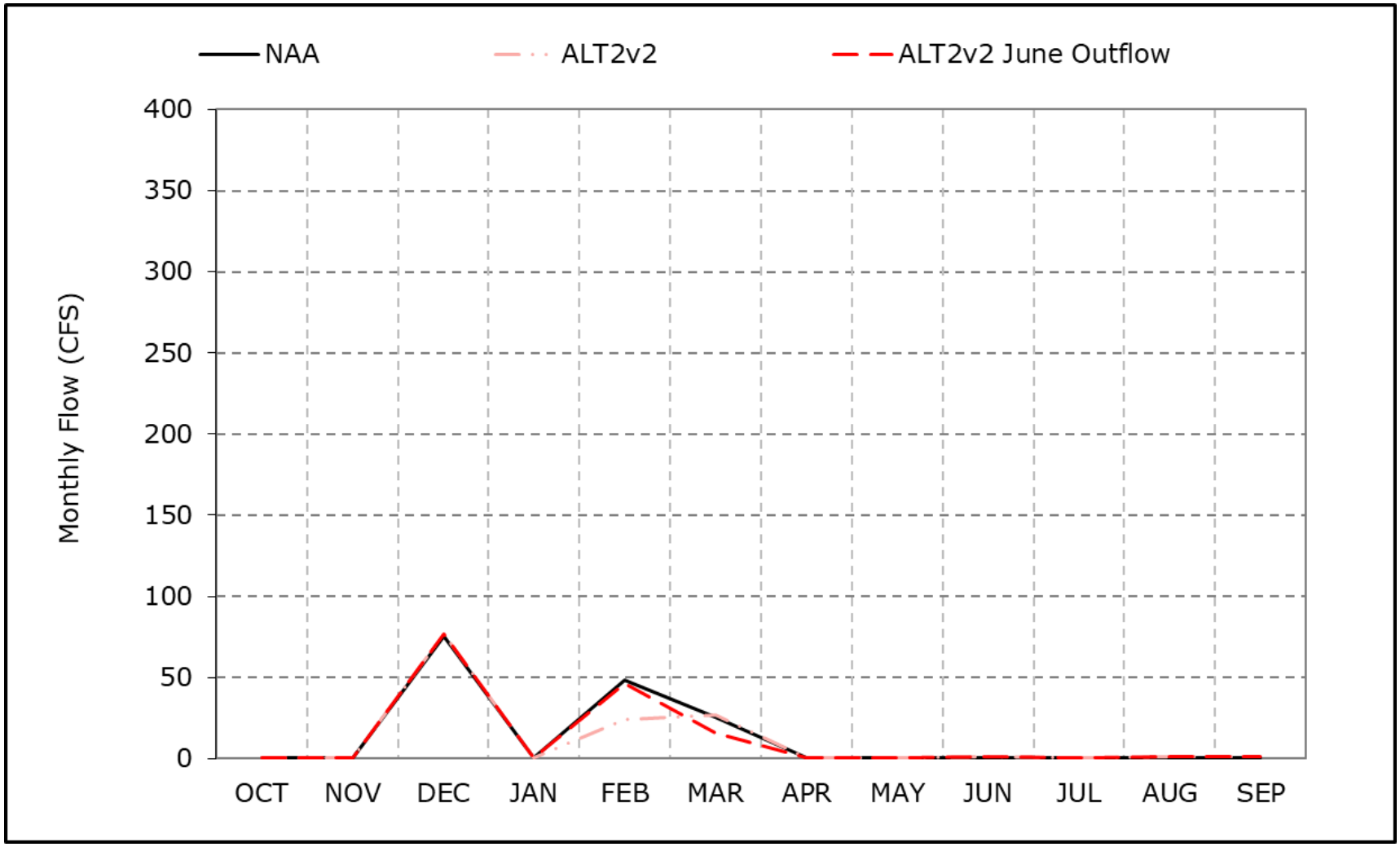
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-4. Delta-Mendota Canal–California Aqueduct Intertie Flow, Below Normal Year Average Flow



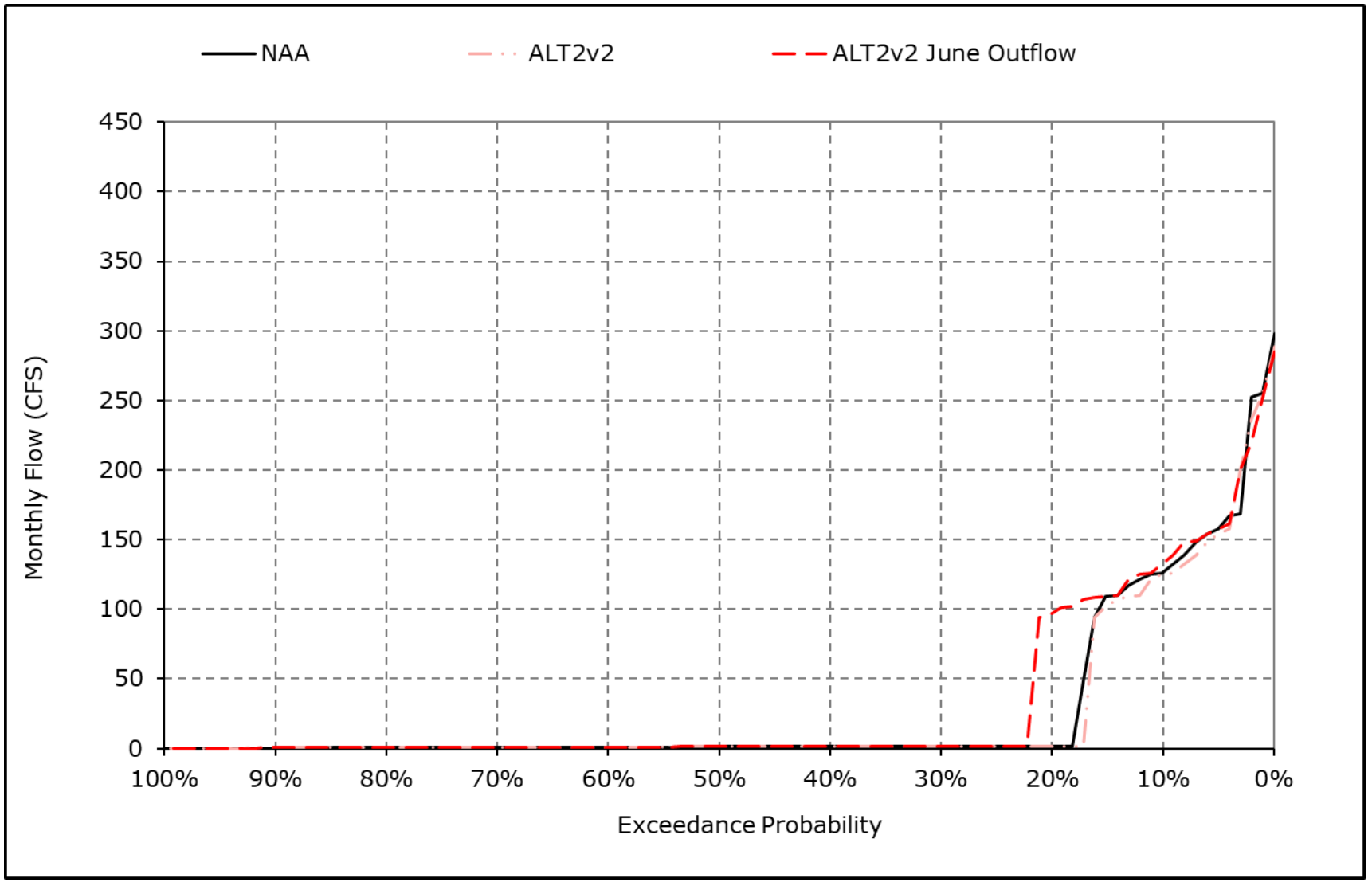
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-5. Delta-Mendota Canal–California Aqueduct Intertie Flow, Dry Year Average Flow



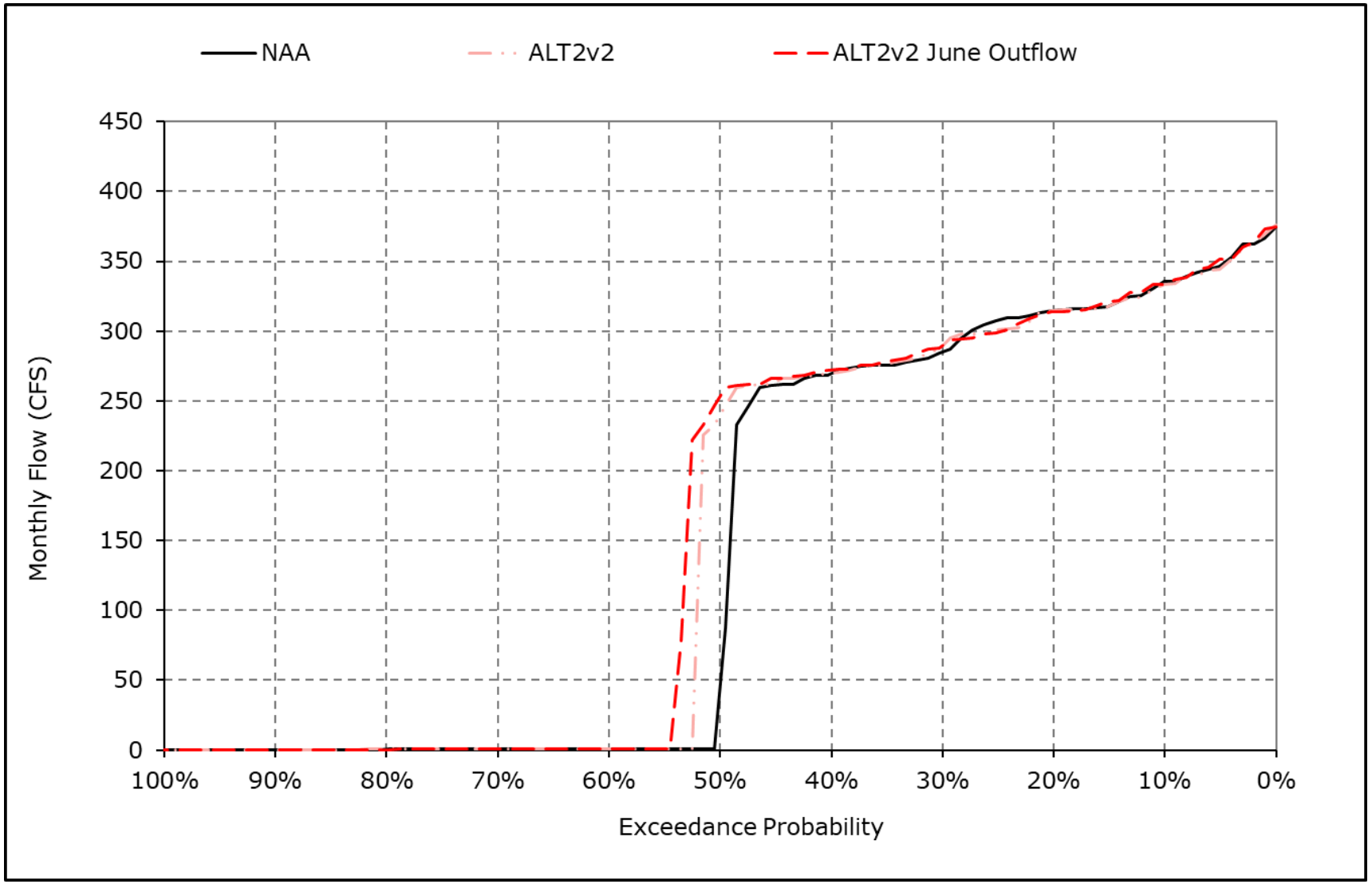
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-6. Delta-Mendota Canal–California Aqueduct Intertie Flow, Critical Year Average Flow



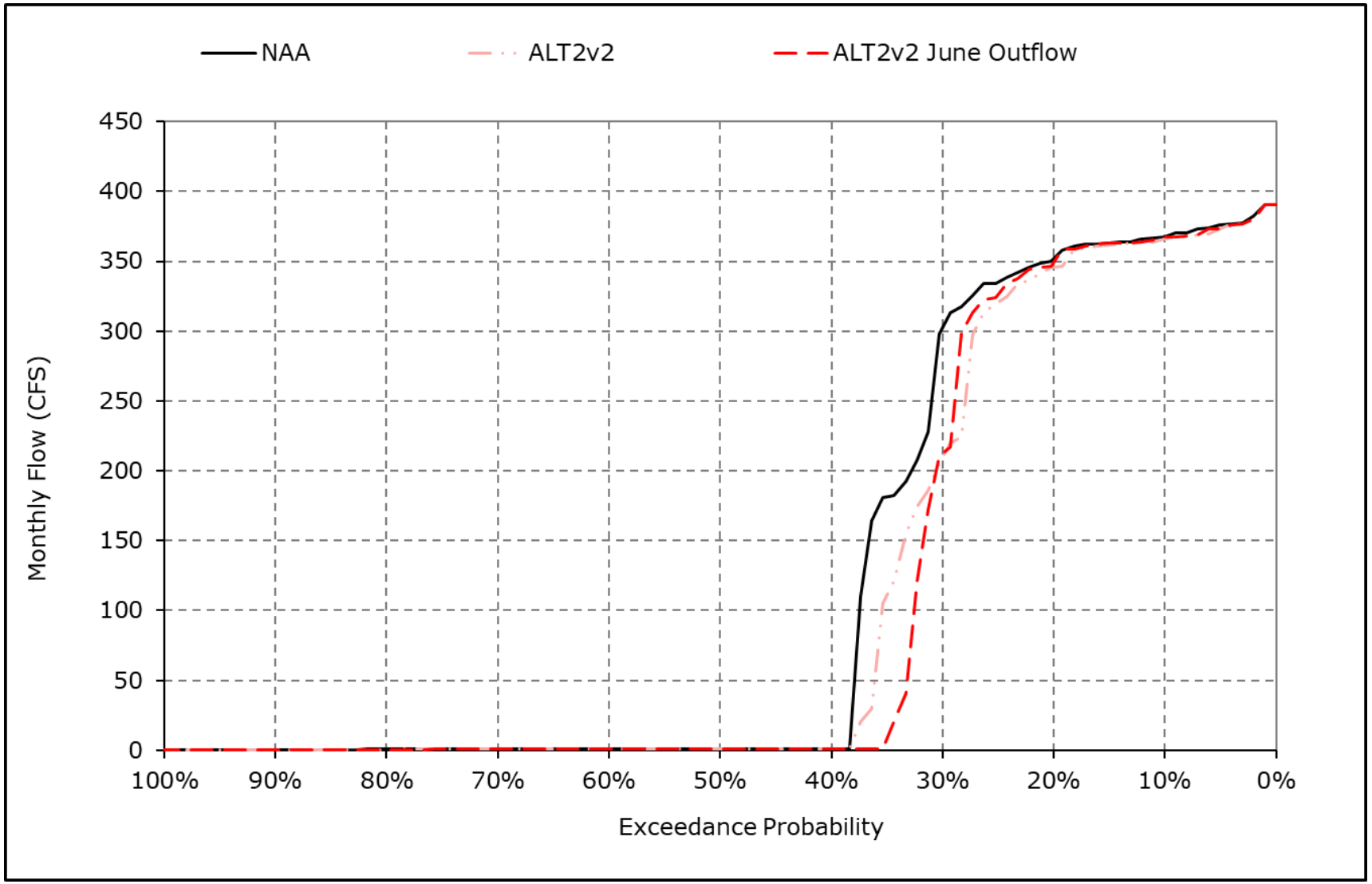
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-7. Delta-Mendota Canal–California Aqueduct Intertie Flow, October



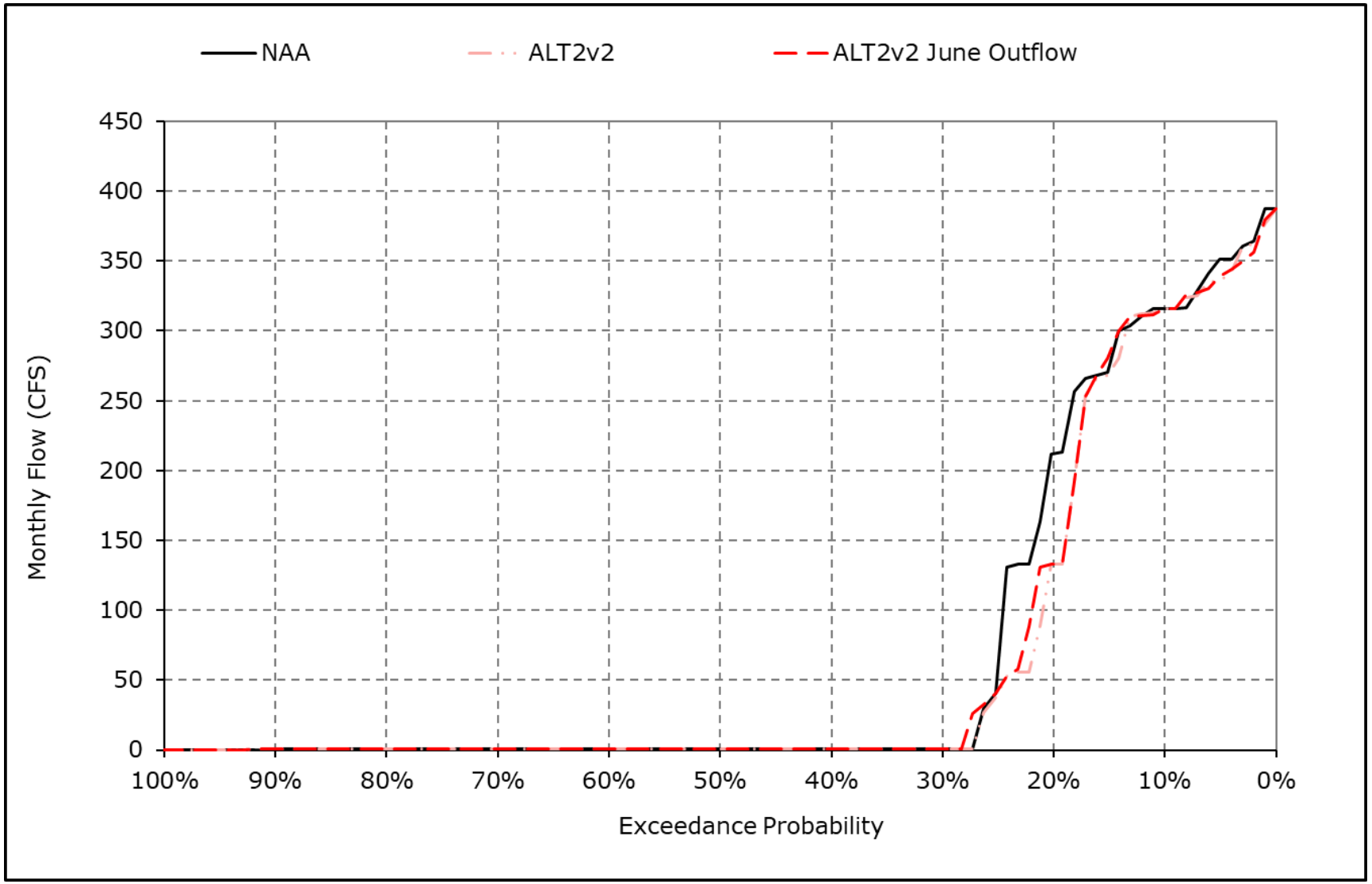
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-8. Delta-Mendota Canal–California Aqueduct Intertie Flow, November



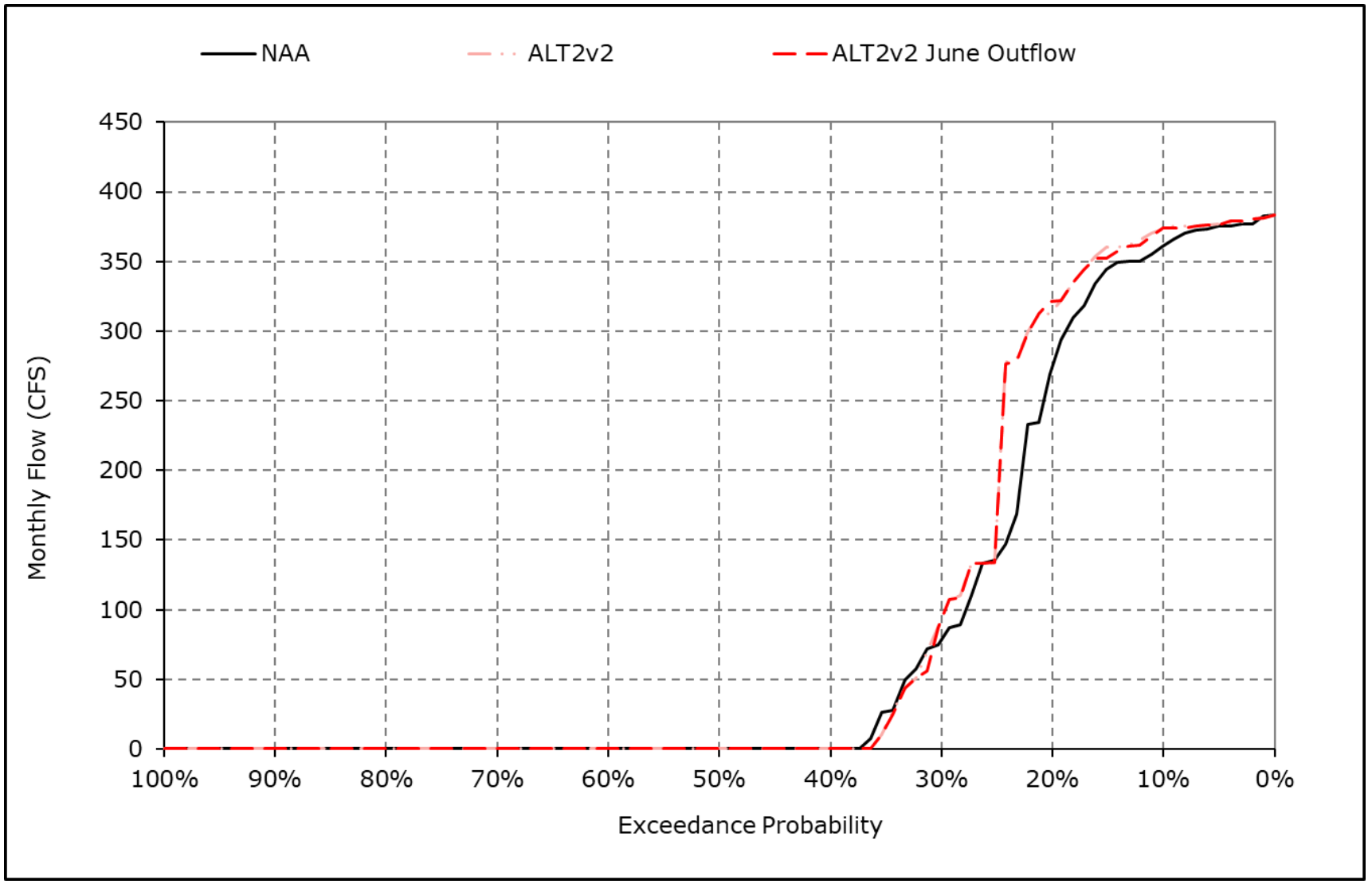
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-9. Delta-Mendota Canal–California Aqueduct Intertie Flow, December



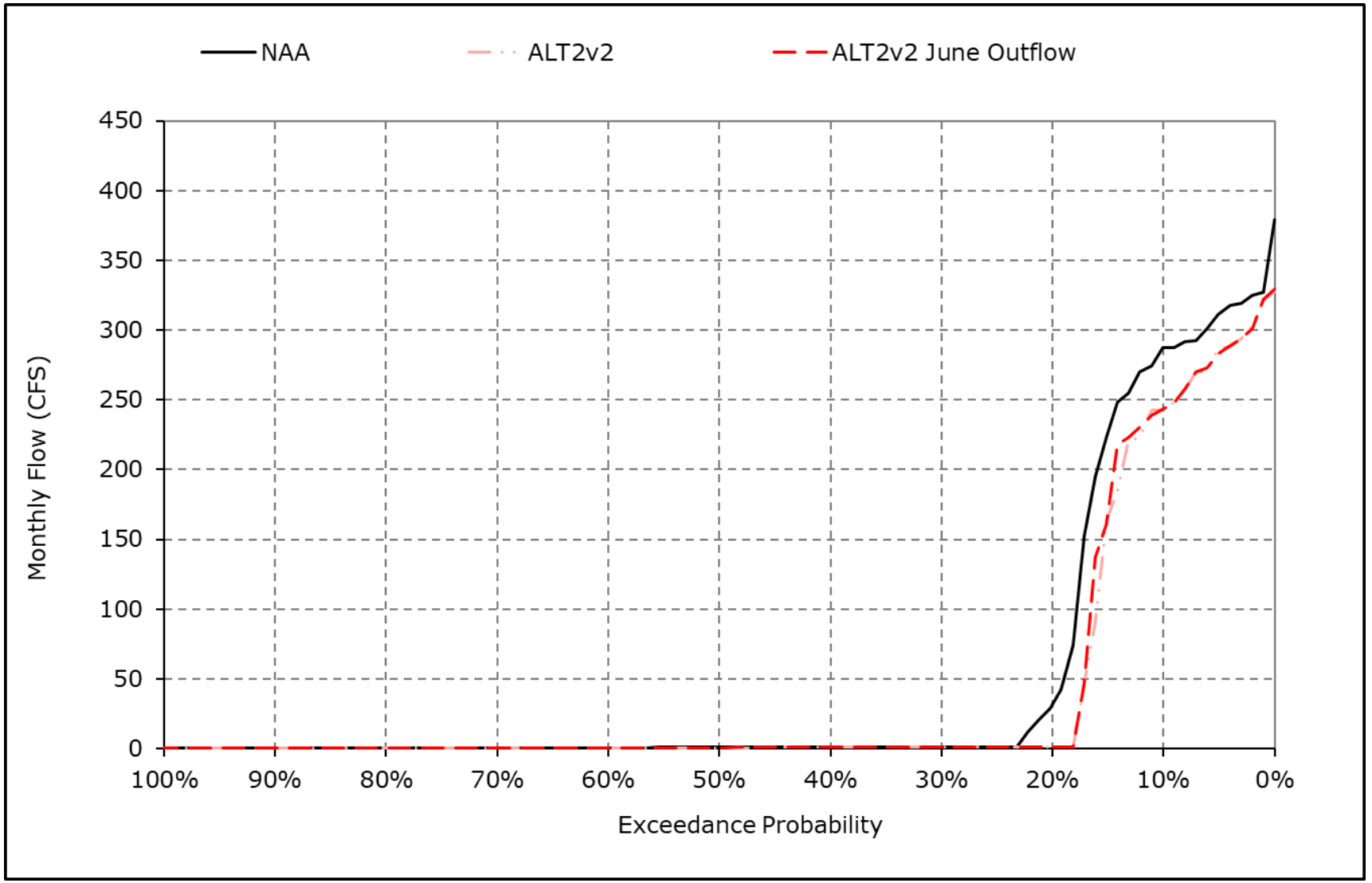
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-10. Delta-Mendota Canal–California Aqueduct Intertie Flow, January



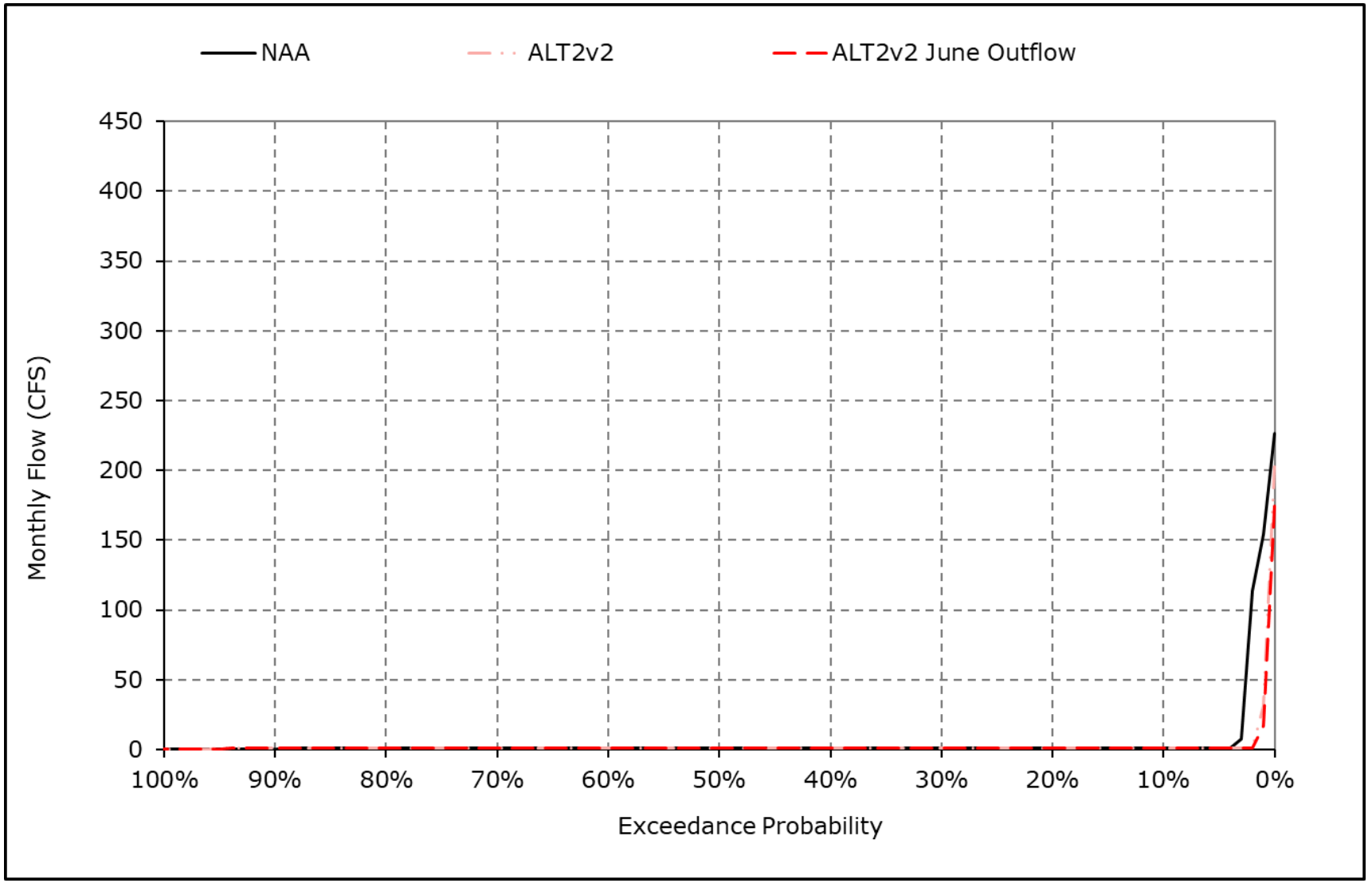
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-11. Delta-Mendota Canal–California Aqueduct Intertie Flow, February



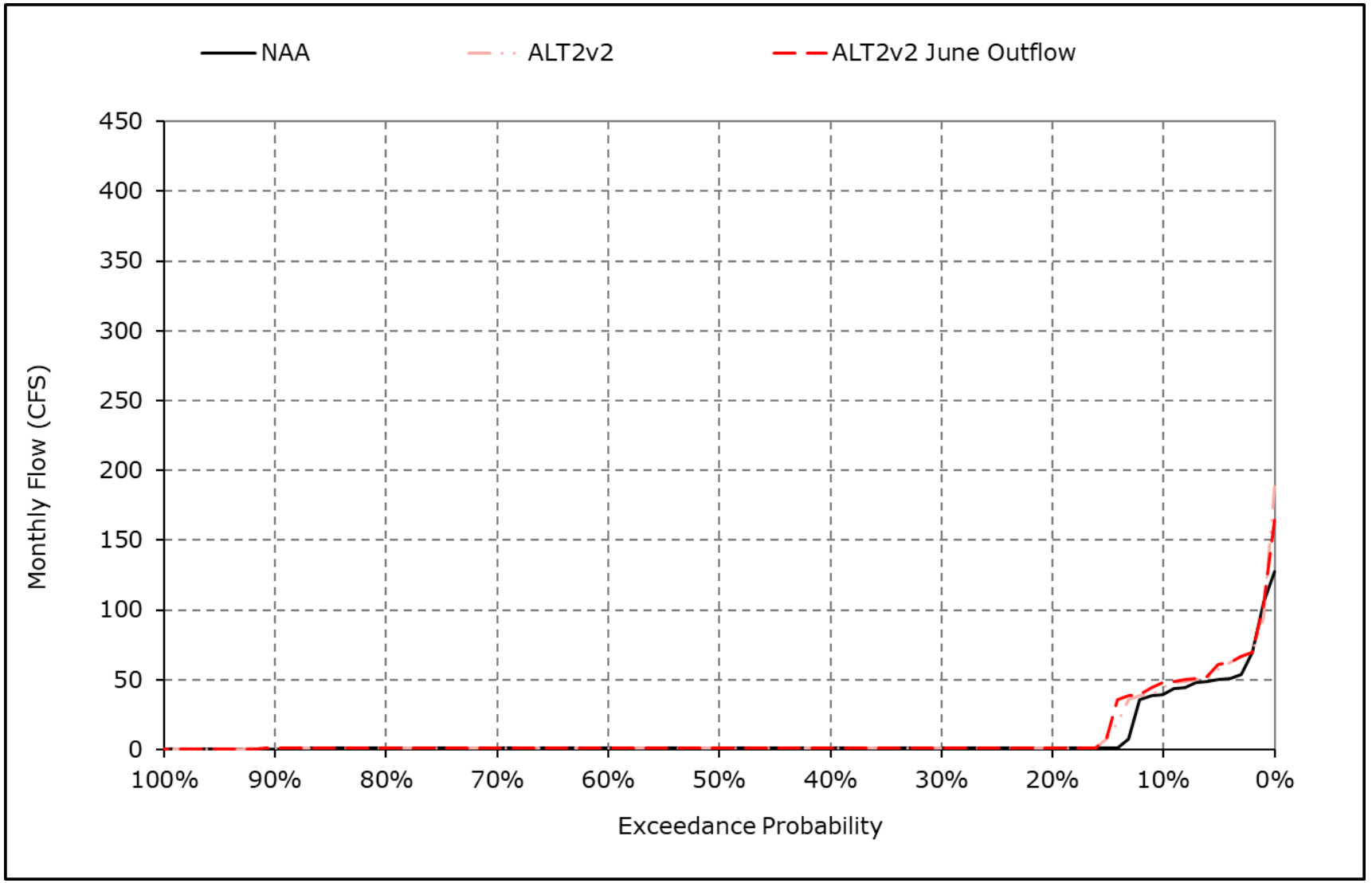
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-12. Delta-Mendota Canal–California Aqueduct Intertie Flow, March



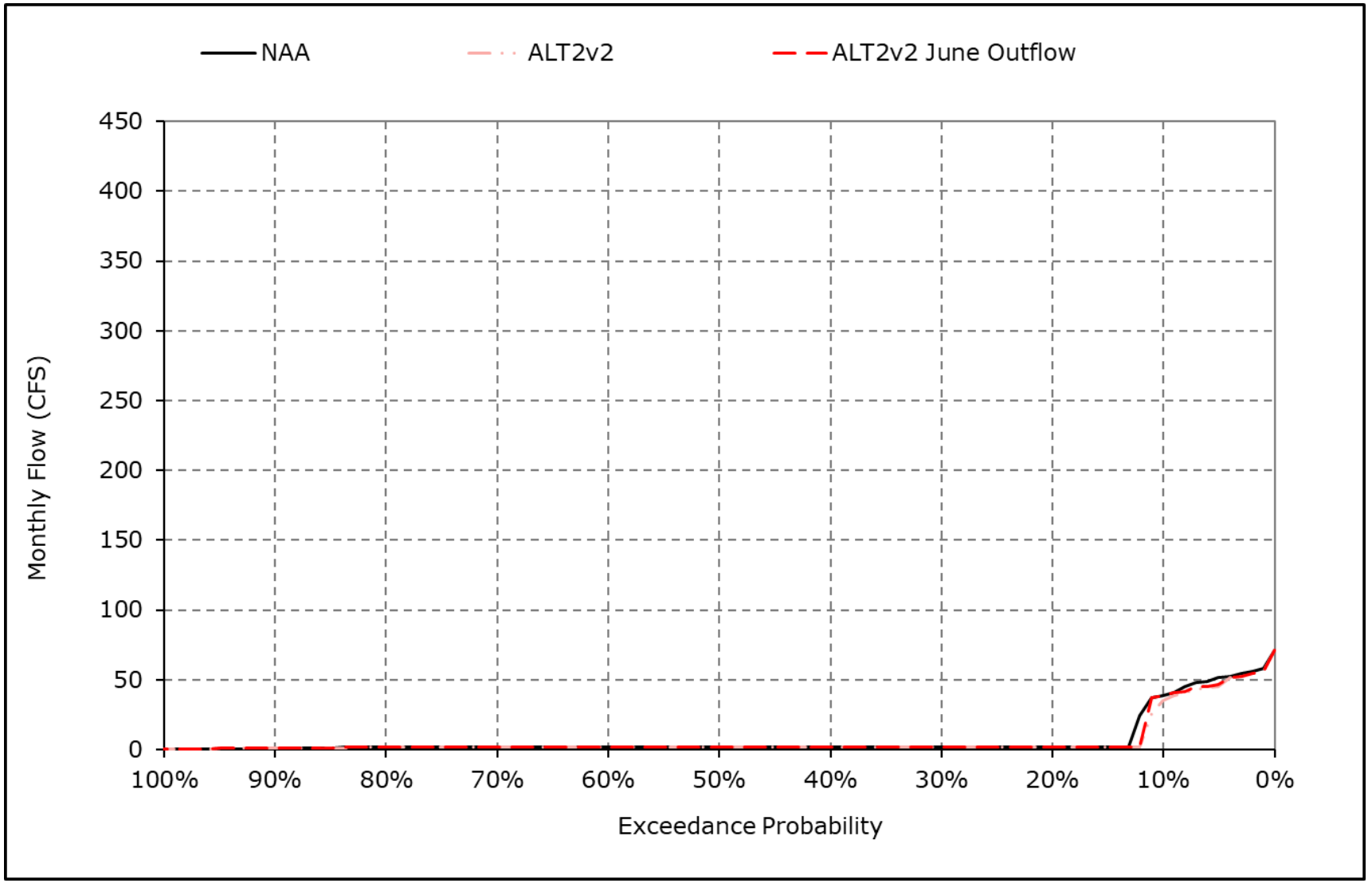
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-13. Delta-Mendota Canal–California Aqueduct Intertie Flow, April



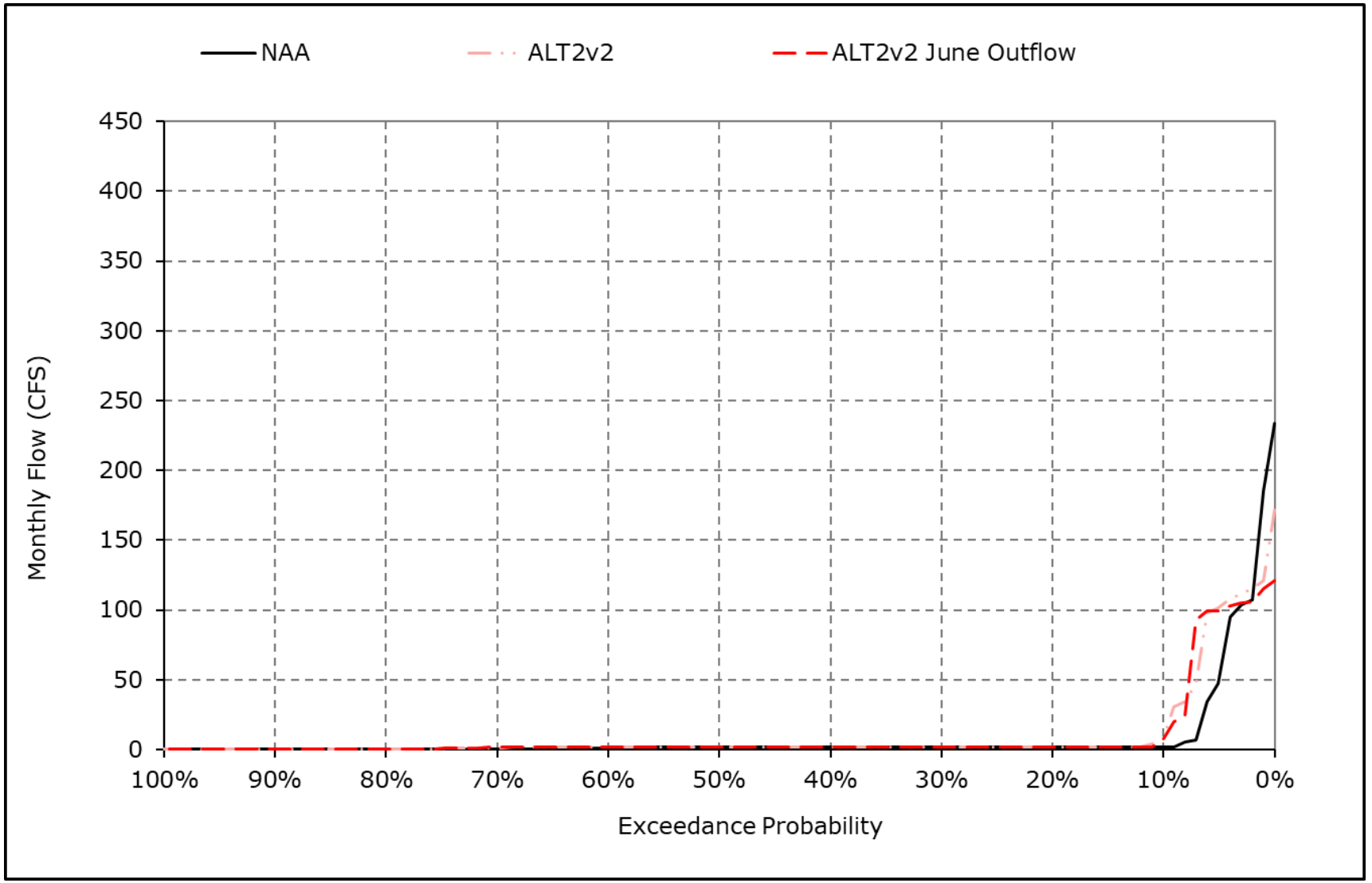
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-14. Delta-Mendota Canal–California Aqueduct Intertie Flow, May



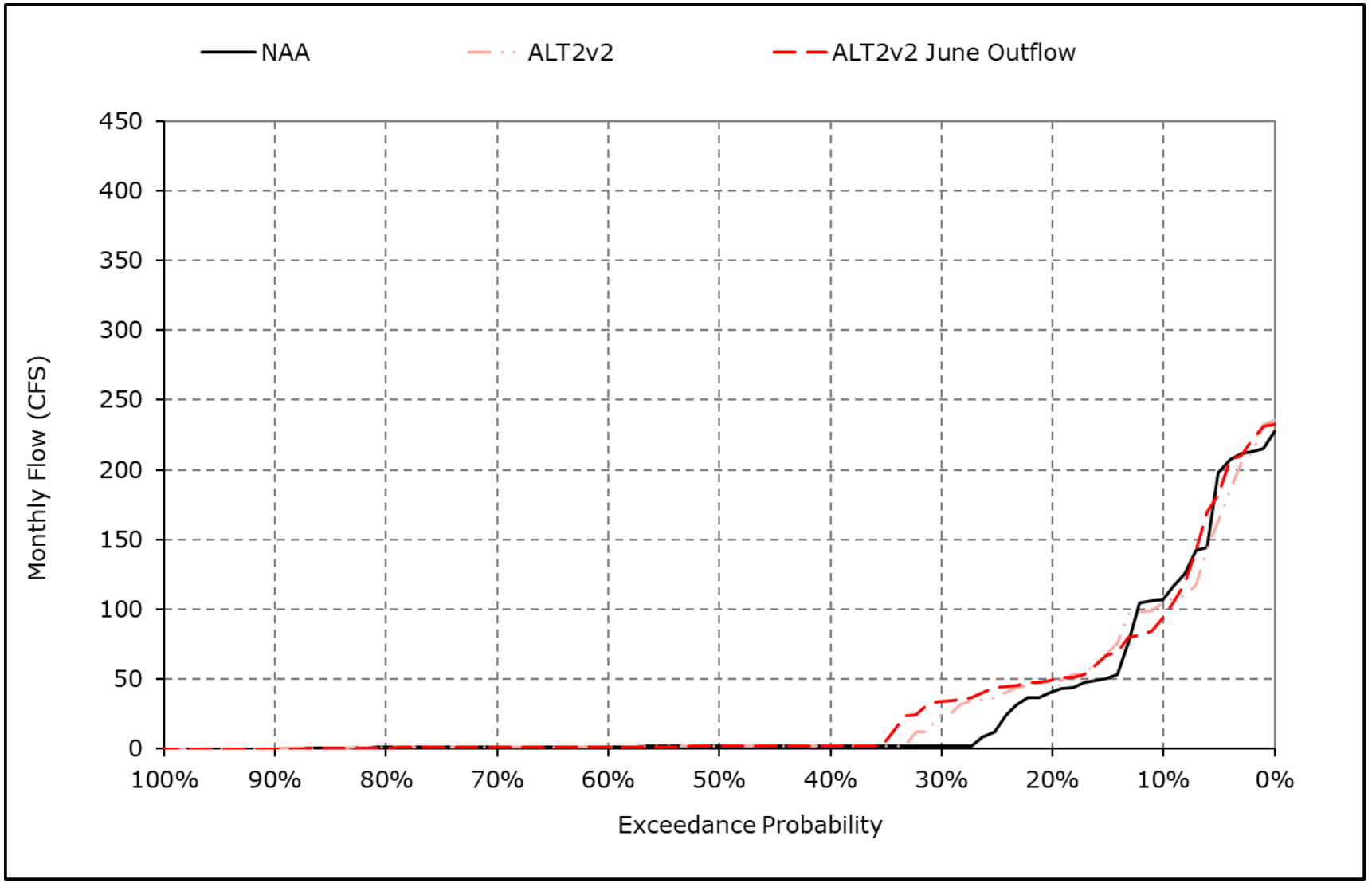
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-15. Delta-Mendota Canal–California Aqueduct Intertie Flow, June



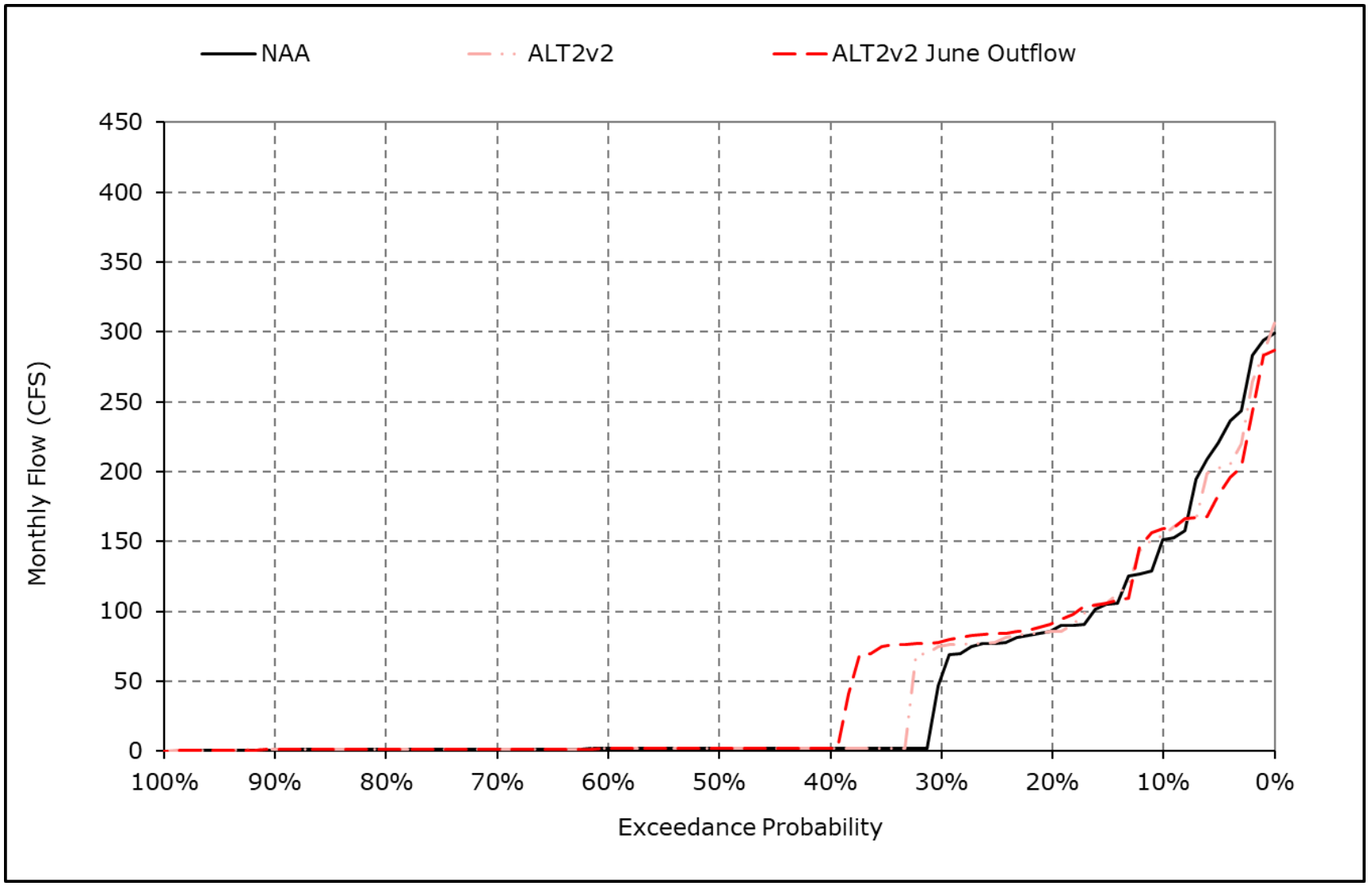
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-16. Delta-Mendota Canal–California Aqueduct Intertie Flow, July



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-17. Delta-Mendota Canal–California Aqueduct Intertie Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-18. Delta-Mendota Canal–California Aqueduct Intertie Flow, September