BUREAU OF RECLAMATION

Appendix F: Modeling

Attachment 2-2, CalSim 3 - Flow

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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)
- EXP1 090623 (EXP1)
- EXP3 090623 (EXP3)
- Alt2woTUCPwoVA 090723 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 090723 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAllVA 090723 (Alt2woTUCPAllVA)
- Alt2wTUCPwoVA 090723 (Alt2wTUCPwoVA)

Table F.2.2-1. Flow Locations and Parameters

Section	Output Parameters	Table Numbers	Figure Numbers
Flow	Trinity River Flow below Lewiston	F.2.2-1-1a to F.2.2-1-10c	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.2.2-2-10c	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.2.2-3-10c	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.2.2-4-10c	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.2.2-5-10c	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.2.2-6-10c	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.2.2-7-10c	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.2.2-8-10c	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.2.2-9-10c	F.2.2-9-1 to F.2.2-9-18
Flow	Fremont Weir Spills	F.2.2-10-1a to F.2.2-10-10c	F.2.2-10-1 to F.2.2-10-18
Flow	Yolo Bypass Flow	F.2.2-11-1a to F.2.2-11-10c	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.2.2-12-10c	F.2.2-12-1 to F.2.2-12-18
Flow	American River at H Street	F.2.2-13-1a to F.2.2-13-10c	F.2.2-13-1 to F.2.2-13-18
Flow	Sacramento River Flow at Freeport	F.2.2-14-1a to F.2.2-14-10c	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.2.2-15-10c	F.2.2-15-1 to F.2.2-15-18

Section	Output Parameters	Table Numbers	Figure Numbers
Flow	San Joaquin River Flow at Gravelly Ford	F.2.2-16-1a to F.2.2-16-10c	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.2.2-17-10c	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.2.2-18-10c	F.2.2-18-1 to F.2.2-18-18
Flow	Stanislaus River Flow below Goodwin	F.2.2-19-1a to F.2.2-19-10c	F.2.2-19-1 to F.2.2-19-18
Flow	Stanislaus River Flow at Mouth	F.2.2-20-1a to F.2.2-20-10c	F.2.2-20-1 to F.2.2-20-18
Flow	San Joaquin River at Vernalis	F.2.2-21-1a to F.2.2-21-10c	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.2.2-22-10c	F.2.2-22-1 to F.2.2-22-18
Flow	Old and Middle River Flow	F.2.2-23-1a to F.2.2-23-10c	F.2.2-23-1 to F.2.2-23-18
Flow	Delta Outflow	F.2.2-24-1a to F.2.2-24-10c	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 baseline (NAA, and EXP1) (exceedance values, long-term average, and average by water year type) by subtracting the values in the NAA or EXP1 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, NAA, 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

Table F.2.2-1-1b. Trinity River Flow below Lewiston, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,739	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	430	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	334	700	832	881	866	674	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,841	1,696	1,874	1,009	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	353	755	1,019	1,257	1,011	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	818	300	610	443	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

Table F.2.2-1-1c. Trinity River Flow below Lewiston, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-554	0	0	-42	-79	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-597	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	-8	-20	-8	-32	-35	-7	0	0	0	0	0
Wet Water Years (28%)	0	0	18	-30	-147	-128	-26	0	0	0	0	0
Above Normal Water Years (14%)	0	-51	-30	4	63	-10	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-113	0	4	16	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-2a. Trinity River Flow below Lewiston, NAA, 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

Table F.2.2-1-2b. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,625	2,827	2,736	2,465	600	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	486	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	694	830	869	866	672	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,149	1,833	1,673	1,872	1,003	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	359	757	1,019	1,222	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	788	300	610	443	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

Table F.2.2-1-2c. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-668	0	-26	-42	-82	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-541	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	-26	-10	-43	-35	-9	0	0	0	0	0
Wet Water Years (28%)	0	0	16	-38	-170	-131	-32	0	0	0	0	0
Above Normal Water Years (14%)	0	-45	-28	3	28	-8	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-143	0	4	16	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-3a. Trinity River Flow below Lewiston, NAA, 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

Table F.2.2-1-3b. Trinity River Flow below Lewiston, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,826	2,827	2,752	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	430	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	330	700	834	889	866	674	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,846	1,693	1,872	1,009	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	329	753	1,021	1,325	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	819	300	610	443	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

Table F.2.2-1-3c. Trinity River Flow below Lewiston, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-467	0	-11	-42	-79	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-597	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	-11	-20	-6	-23	-35	-8	0	0	0	0	0
Wet Water Years (28%)	0	0	18	-26	-150	-130	-26	0	0	0	0	0
Above Normal Water Years (14%)	0	-75	-32	6	131	-9	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-113	0	4	15	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-4a. Trinity River Flow below Lewiston, NAA, 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

Table F.2.2-1-4b. Trinity River Flow below Lewiston, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,745	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	431	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	334	700	832	874	866	675	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,842	1,684	1,876	1,010	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	353	755	1,019	1,235	1,011	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	819	300	610	443	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

Table F.2.2-1-4c. Trinity River Flow below Lewiston, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-548	0	0	-42	-79	0	0	0	0	0
20% Exceedance	0	0	0	0	-104	-596	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	-8	-19	-8	-38	-34	-7	0	0	0	0	0
Wet Water Years (28%)	0	0	19	-30	-159	-127	-25	0	0	0	0	0
Above Normal Water Years (14%)	0	-50	-30	4	41	-10	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-113	0	4	16	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-5a. Trinity River Flow below Lewiston, NAA, 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

Table F.2.2-1-5b. Trinity River Flow below Lewiston, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,377	1,912	4,969	5,554	5,251	4,460	1,694	4,709	2,526	1,258	2,061	3,022
20% Exceedance	2,258	1,257	3,669	3,233	3,987	2,681	958	4,709	2,526	1,102	1,075	2,936
30% Exceedance	2,167	757	2,347	2,668	2,856	2,003	600	4,612	2,526	1,102	863	2,087
40% Exceedance	2,116	532	1,545	2,027	1,682	1,377	600	4,189	2,120	1,102	863	1,524
50% Exceedance	1,898	306	1,114	1,595	973	974	540	4,189	2,120	1,102	863	863
60% Exceedance	1,385	300	812	624	521	584	540	2,924	783	450	863	863
70% Exceedance	545	300	469	300	300	300	526	2,924	783	450	863	863
80% Exceedance	373	300	300	300	300	300	493	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]	1,547	839	1,923	1,993	1,949	1,644	927	3,626	1,830	1,030	1,065	1,571
Wet Water Years (28%)	1,746	872	1,967	3,709	3,835	2,838	1,725	4,740	3,070	1,553	1,153	1,919
Above Normal Water Years (14%)	1,523	879	1,780	3,014	2,852	2,271	727	4,433	2,286	1,159	1,125	1,604
Below Normal Water Years (18%)	1,631	930	2,353	1,601	1,011	1,353	621	3,357	1,426	1,138	1,177	1,637
Dry Water Years (24%)	1,706	958	2,414	718	915	973	582	3,009	1,062	621	955	1,486
Critical Water Years (16%)	841	440	683	454	468	342	571	2,201	867	491	898	990

Table F.2.2-1-5c. Trinity River Flow below Lewiston, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,004	1,612	2,676	2,727	2,488	1,953	1,012	0	0	156	1,197	2,159
20% Exceedance	1,885	957	3,369	2,933	3,222	1,654	358	0	0	0	212	2,073
30% Exceedance	1,794	457	2,047	2,368	2,556	1,703	60	42	0	0	0	1,223
40% Exceedance	1,743	232	1,245	1,727	1,382	1,077	60	0	0	0	0	660
50% Exceedance	1,525	6	814	1,295	673	674	0	0	0	0	0	0
60% Exceedance	1,012	0	512	324	221	284	47	0	0	0	0	0
70% Exceedance	172	0	169	0	0	0	33	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	33	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	1,174	498	1,203	1,153	1,037	744	246	29	9	215	231	737
Wet Water Years (28%)	1,373	479	834	1,837	1,992	836	690	102	16	431	393	1,159
Above Normal Water Years (14%)	1,150	475	995	1,999	1,658	1,250	174	0	0	104	262	740
Below Normal Water Years (18%)	1,258	630	1,422	1,301	405	926	97	0	26	398	314	773
Dry Water Years (24%)	1,333	658	2,114	418	615	673	44	0	0	35	91	623
Critical Water Years (16%)	468	140	383	154	168	42	0	0	0	0	35	127

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-6a. Trinity River Flow below Lewiston, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	746	2,000	5,149	6,000	6,000	6,000	5,838	5,854	2,980	736	404	277
20% Exceedance	357	1,340	4,124	4,580	6,000	4,991	4,777	4,312	1,727	595	290	195
30% Exceedance	289	992	2,706	3,501	4,944	3,875	4,051	3,173	1,339	515	240	164
40% Exceedance	228	667	1,906	2,965	3,655	3,234	3,439	2,623	1,166	446	171	139
50% Exceedance	189	517	1,267	2,505	3,082	2,973	2,988	2,397	873	390	149	121
60% Exceedance	160	330	1,069	1,878	2,435	2,617	2,517	1,856	765	324	127	110
70% Exceedance	135	273	777	1,102	1,765	2,213	2,171	1,478	602	281	108	83
80% Exceedance	108	214	455	883	1,301	1,643	1,802	1,229	520	215	79	62
90% Exceedance	70	149	267	623	1,002	1,292	1,335	869	419	145	51	19
Full Simulation Period Average[a]	321	885	2,120	2,688	3,312	3,224	3,203	2,708	1,372	569	227	148
Wet Water Years (28%)	245	1,001	2,049	4,396	5,090	4,322	4,511	4,238	2,404	1,092	412	189
Above Normal Water Years (14%)	267	896	1,900	3,636	4,545	4,106	3,675	3,196	1,384	536	216	185
Below Normal Water Years (18%)	430	924	2,518	2,575	2,531	2,933	3,187	2,286	1,146	427	174	148
Dry Water Years (24%)	478	970	2,429	1,395	2,310	2,673	2,501	1,859	849	330	148	121
Critical Water Years (16%)	138	478	1,498	933	1,505	1,687	1,570	1,350	595	202	88	84

Table F.2.2-1-6b. Trinity River Flow below Lewiston, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,739	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	430	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	334	700	832	881	866	674	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,841	1,696	1,874	1,009	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	353	755	1,019	1,257	1,011	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	818	300	610	443	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

Table F.2.2-1-6c. Trinity River Flow below Lewiston, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-373	-1,700	-3,409	-3,173	-3,237	-3,535	-5,235	-1,145	-454	366	459	586
20% Exceedance	16	-1,040	-3,824	-4,280	-5,340	-4,562	-4,177	397	799	507	573	669
30% Exceedance	84	-692	-2,406	-3,201	-4,644	-3,575	-3,511	1,397	1,187	587	623	699
40% Exceedance	145	-367	-1,606	-2,665	-3,355	-2,934	-2,899	1,566	954	656	692	724
50% Exceedance	184	-217	-967	-2,205	-2,782	-2,673	-2,448	1,792	1,247	712	714	742
60% Exceedance	213	-30	-769	-1,578	-2,135	-2,317	-2,024	1,068	18	126	737	753
70% Exceedance	238	27	-477	-802	-1,465	-1,913	-1,678	1,446	181	169	755	780
80% Exceedance	265	86	-155	-583	-1,001	-1,343	-1,342	1,695	263	235	784	801
90% Exceedance	303	151	33	-323	-702	-992	-875	629	364	305	812	844
Full Simulation Period Average[a]	52	-551	-1,420	-1,855	-2,432	-2,358	-2,528	890	448	245	608	686
Wet Water Years (28%)	128	-608	-897	-2,555	-3,395	-2,448	-3,501	399	650	30	348	571
Above Normal Water Years (14%)	106	-543	-1,145	-2,616	-3,288	-3,095	-3,124	1,237	901	520	647	678
Below Normal Water Years (18%)	-57	-624	-1,700	-2,275	-1,921	-2,490	-2,663	1,071	254	313	689	715
Dry Water Years (24%)	-105	-670	-2,129	-1,095	-2,010	-2,373	-1,963	1,150	213	256	715	743
Critical Water Years (16%)	235	-178	-1,198	-633	-1,205	-1,387	-999	851	272	289	775	779

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-7a. Trinity River Flow below Lewiston, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	746	2,000	5,149	6,000	6,000	6,000	5,838	5,854	2,980	736	404	277
20% Exceedance	357	1,340	4,124	4,580	6,000	4,991	4,777	4,312	1,727	595	290	195
30% Exceedance	289	992	2,706	3,501	4,944	3,875	4,051	3,173	1,339	515	240	164
40% Exceedance	228	667	1,906	2,965	3,655	3,234	3,439	2,623	1,166	446	171	139
50% Exceedance	189	517	1,267	2,505	3,082	2,973	2,988	2,397	873	390	149	121
60% Exceedance	160	330	1,069	1,878	2,435	2,617	2,517	1,856	765	324	127	110
70% Exceedance	135	273	777	1,102	1,765	2,213	2,171	1,478	602	281	108	83
80% Exceedance	108	214	455	883	1,301	1,643	1,802	1,229	520	215	79	62
90% Exceedance	70	149	267	623	1,002	1,292	1,335	869	419	145	51	19
Full Simulation Period Average[a]	321	885	2,120	2,688	3,312	3,224	3,203	2,708	1,372	569	227	148
Wet Water Years (28%)	245	1,001	2,049	4,396	5,090	4,322	4,511	4,238	2,404	1,092	412	189
Above Normal Water Years (14%)	267	896	1,900	3,636	4,545	4,106	3,675	3,196	1,384	536	216	185
Below Normal Water Years (18%)	430	924	2,518	2,575	2,531	2,933	3,187	2,286	1,146	427	174	148
Dry Water Years (24%)	478	970	2,429	1,395	2,310	2,673	2,501	1,859	849	330	148	121
Critical Water Years (16%)	138	478	1,498	933	1,505	1,687	1,570	1,350	595	202	88	84

Table F.2.2-1-7b. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,625	2,827	2,736	2,465	600	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	486	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	694	830	869	866	672	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,149	1,833	1,673	1,872	1,003	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	359	757	1,019	1,222	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	788	300	610	443	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

Table F.2.2-1-7c. Trinity River Flow below Lewiston, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-373	-1,700	-3,524	-3,173	-3,264	-3,535	-5,238	-1,145	-454	366	459	586
20% Exceedance	16	-1,040	-3,824	-4,280	-5,340	-4,506	-4,177	397	799	507	573	669
30% Exceedance	84	-692	-2,406	-3,201	-4,644	-3,575	-3,511	1,397	1,187	587	623	699
40% Exceedance	145	-367	-1,606	-2,665	-3,355	-2,934	-2,899	1,566	954	656	692	724
50% Exceedance	184	-217	-967	-2,205	-2,782	-2,673	-2,448	1,792	1,247	712	714	742
60% Exceedance	213	-30	-769	-1,578	-2,135	-2,317	-2,024	1,068	18	126	737	753
70% Exceedance	238	27	-477	-802	-1,465	-1,913	-1,678	1,446	181	169	755	780
80% Exceedance	265	86	-155	-583	-1,001	-1,343	-1,342	1,695	263	235	784	801
90% Exceedance	303	151	33	-323	-702	-992	-875	629	364	305	812	844
Full Simulation Period Average[a]	52	-551	-1,426	-1,858	-2,443	-2,359	-2,530	890	448	245	608	686
Wet Water Years (28%)	128	-608	-900	-2,563	-3,417	-2,451	-3,508	399	650	30	348	571
Above Normal Water Years (14%)	106	-537	-1,143	-2,617	-3,323	-3,093	-3,125	1,237	901	520	647	678
Below Normal Water Years (18%)	-57	-624	-1,730	-2,275	-1,921	-2,490	-2,663	1,071	254	313	689	715
Dry Water Years (24%)	-105	-670	-2,129	-1,095	-2,010	-2,373	-1,963	1,150	213	256	715	743
Critical Water Years (16%)	235	-178	-1,198	-633	-1,205	-1,387	-999	851	272	289	775	779

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-8a. Trinity River Flow below Lewiston, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	746	2,000	5,149	6,000	6,000	6,000	5,838	5,854	2,980	736	404	277
20% Exceedance	357	1,340	4,124	4,580	6,000	4,991	4,777	4,312	1,727	595	290	195
30% Exceedance	289	992	2,706	3,501	4,944	3,875	4,051	3,173	1,339	515	240	164
40% Exceedance	228	667	1,906	2,965	3,655	3,234	3,439	2,623	1,166	446	171	139
50% Exceedance	189	517	1,267	2,505	3,082	2,973	2,988	2,397	873	390	149	121
60% Exceedance	160	330	1,069	1,878	2,435	2,617	2,517	1,856	765	324	127	110
70% Exceedance	135	273	777	1,102	1,765	2,213	2,171	1,478	602	281	108	83
80% Exceedance	108	214	455	883	1,301	1,643	1,802	1,229	520	215	79	62
90% Exceedance	70	149	267	623	1,002	1,292	1,335	869	419	145	51	19
Full Simulation Period Average[a]	321	885	2,120	2,688	3,312	3,224	3,203	2,708	1,372	569	227	148
Wet Water Years (28%)	245	1,001	2,049	4,396	5,090	4,322	4,511	4,238	2,404	1,092	412	189
Above Normal Water Years (14%)	267	896	1,900	3,636	4,545	4,106	3,675	3,196	1,384	536	216	185
Below Normal Water Years (18%)	430	924	2,518	2,575	2,531	2,933	3,187	2,286	1,146	427	174	148
Dry Water Years (24%)	478	970	2,429	1,395	2,310	2,673	2,501	1,859	849	330	148	121
Critical Water Years (16%)	138	478	1,498	933	1,505	1,687	1,570	1,350	595	202	88	84

Table F.2.2-1-8b. Trinity River Flow below Lewiston, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,826	2,827	2,752	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	430	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	330	700	834	889	866	674	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,846	1,693	1,872	1,009	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	329	753	1,021	1,325	1,012	550	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	819	300	610	443	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

Table F.2.2-1-8c. Trinity River Flow below Lewiston, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-373	-1,700	-3,322	-3,173	-3,248	-3,535	-5,235	-1,145	-454	366	459	586
20% Exceedance	16	-1,040	-3,824	-4,280	-5,340	-4,562	-4,177	397	799	507	573	669
30% Exceedance	84	-692	-2,406	-3,201	-4,644	-3,575	-3,511	1,397	1,187	587	623	699
40% Exceedance	145	-367	-1,606	-2,665	-3,355	-2,934	-2,899	1,566	954	656	692	724
50% Exceedance	184	-217	-967	-2,205	-2,782	-2,673	-2,448	1,792	1,247	712	714	742
60% Exceedance	213	-30	-769	-1,578	-2,135	-2,317	-2,024	1,068	18	126	737	753
70% Exceedance	238	27	-477	-802	-1,465	-1,913	-1,678	1,446	181	169	755	780
80% Exceedance	265	86	-155	-583	-1,001	-1,343	-1,342	1,695	263	235	784	801
90% Exceedance	303	151	33	-323	-702	-992	-875	629	364	305	812	844
Full Simulation Period Average[a]	52	-555	-1,420	-1,854	-2,423	-2,359	-2,528	890	448	245	608	686
Wet Water Years (28%)	128	-608	-898	-2,550	-3,397	-2,450	-3,502	399	650	30	348	571
Above Normal Water Years (14%)	106	-567	-1,147	-2,615	-3,220	-3,094	-3,124	1,237	901	520	647	678
Below Normal Water Years (18%)	-57	-624	-1,700	-2,275	-1,921	-2,490	-2,663	1,071	254	313	689	715
Dry Water Years (24%)	-105	-670	-2,129	-1,095	-2,010	-2,373	-1,963	1,150	213	256	715	743
Critical Water Years (16%)	235	-178	-1,198	-633	-1,205	-1,387	-999	851	272	289	775	779

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-9a. Trinity River Flow below Lewiston, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	746	2,000	5,149	6,000	6,000	6,000	5,838	5,854	2,980	736	404	277
20% Exceedance	357	1,340	4,124	4,580	6,000	4,991	4,777	4,312	1,727	595	290	195
30% Exceedance	289	992	2,706	3,501	4,944	3,875	4,051	3,173	1,339	515	240	164
40% Exceedance	228	667	1,906	2,965	3,655	3,234	3,439	2,623	1,166	446	171	139
50% Exceedance	189	517	1,267	2,505	3,082	2,973	2,988	2,397	873	390	149	121
60% Exceedance	160	330	1,069	1,878	2,435	2,617	2,517	1,856	765	324	127	110
70% Exceedance	135	273	777	1,102	1,765	2,213	2,171	1,478	602	281	108	83
80% Exceedance	108	214	455	883	1,301	1,643	1,802	1,229	520	215	79	62
90% Exceedance	70	149	267	623	1,002	1,292	1,335	869	419	145	51	19
Full Simulation Period Average[a]	321	885	2,120	2,688	3,312	3,224	3,203	2,708	1,372	569	227	148
Wet Water Years (28%)	245	1,001	2,049	4,396	5,090	4,322	4,511	4,238	2,404	1,092	412	189
Above Normal Water Years (14%)	267	896	1,900	3,636	4,545	4,106	3,675	3,196	1,384	536	216	185
Below Normal Water Years (18%)	430	924	2,518	2,575	2,531	2,933	3,187	2,286	1,146	427	174	148
Dry Water Years (24%)	478	970	2,429	1,395	2,310	2,673	2,501	1,859	849	330	148	121
Critical Water Years (16%)	138	478	1,498	933	1,505	1,687	1,570	1,350	595	202	88	84

Table F.2.2-1-9b. Trinity River Flow below Lewiston, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	373	300	1,745	2,827	2,763	2,465	603	4,709	2,526	1,102	863	863
20% Exceedance	373	300	300	300	660	431	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	334	700	832	874	866	675	3,598	1,820	814	834	834
Wet Water Years (28%)	373	393	1,152	1,842	1,684	1,876	1,010	4,637	3,054	1,122	760	760
Above Normal Water Years (14%)	373	353	755	1,019	1,235	1,011	551	4,433	2,286	1,055	863	863
Below Normal Water Years (18%)	373	300	819	300	610	443	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

Table F.2.2-1-9c. Trinity River Flow below Lewiston, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-373	-1,700	-3,404	-3,173	-3,237	-3,535	-5,235	-1,145	-454	366	459	586
20% Exceedance	16	-1,040	-3,824	-4,280	-5,340	-4,560	-4,177	397	799	507	573	669
30% Exceedance	84	-692	-2,406	-3,201	-4,644	-3,575	-3,511	1,397	1,187	587	623	699
40% Exceedance	145	-367	-1,606	-2,665	-3,355	-2,934	-2,899	1,566	954	656	692	724
50% Exceedance	184	-217	-967	-2,205	-2,782	-2,673	-2,448	1,792	1,247	712	714	742
60% Exceedance	213	-30	-769	-1,578	-2,135	-2,317	-2,024	1,068	18	126	737	753
70% Exceedance	238	27	-477	-802	-1,465	-1,913	-1,678	1,446	181	169	755	780
80% Exceedance	265	86	-155	-583	-1,001	-1,343	-1,342	1,695	263	235	784	801
90% Exceedance	303	151	33	-323	-702	-992	-875	629	364	305	812	844
Full Simulation Period Average[a]	52	-551	-1,420	-1,855	-2,438	-2,358	-2,528	890	448	245	608	686
Wet Water Years (28%)	128	-608	-897	-2,555	-3,406	-2,447	-3,501	399	650	30	348	571
Above Normal Water Years (14%)	106	-543	-1,145	-2,616	-3,310	-3,095	-3,123	1,237	901	520	647	678
Below Normal Water Years (18%)	-57	-624	-1,700	-2,275	-1,921	-2,490	-2,663	1,071	254	313	689	715
Dry Water Years (24%)	-105	-670	-2,129	-1,095	-2,010	-2,373	-1,963	1,150	213	256	715	743
Critical Water Years (16%)	235	-178	-1,198	-633	-1,205	-1,387	-999	851	272	289	775	779

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-1-10a. Trinity River Flow below Lewiston, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	746	2,000	5,149	6,000	6,000	6,000	5,838	5,854	2,980	736	404	277
20% Exceedance	357	1,340	4,124	4,580	6,000	4,991	4,777	4,312	1,727	595	290	195
30% Exceedance	289	992	2,706	3,501	4,944	3,875	4,051	3,173	1,339	515	240	164
40% Exceedance	228	667	1,906	2,965	3,655	3,234	3,439	2,623	1,166	446	171	139
50% Exceedance	189	517	1,267	2,505	3,082	2,973	2,988	2,397	873	390	149	121
60% Exceedance	160	330	1,069	1,878	2,435	2,617	2,517	1,856	765	324	127	110
70% Exceedance	135	273	777	1,102	1,765	2,213	2,171	1,478	602	281	108	83
80% Exceedance	108	214	455	883	1,301	1,643	1,802	1,229	520	215	79	62
90% Exceedance	70	149	267	623	1,002	1,292	1,335	869	419	145	51	19
Full Simulation Period Average[a]	321	885	2,120	2,688	3,312	3,224	3,203	2,708	1,372	569	227	148
Wet Water Years (28%)	245	1,001	2,049	4,396	5,090	4,322	4,511	4,238	2,404	1,092	412	189
Above Normal Water Years (14%)	267	896	1,900	3,636	4,545	4,106	3,675	3,196	1,384	536	216	185
Below Normal Water Years (18%)	430	924	2,518	2,575	2,531	2,933	3,187	2,286	1,146	427	174	148
Dry Water Years (24%)	478	970	2,429	1,395	2,310	2,673	2,501	1,859	849	330	148	121
Critical Water Years (16%)	138	478	1,498	933	1,505	1,687	1,570	1,350	595	202	88	84

Table F.2.2-1-10b. Trinity River Flow below Lewiston, NAA, 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

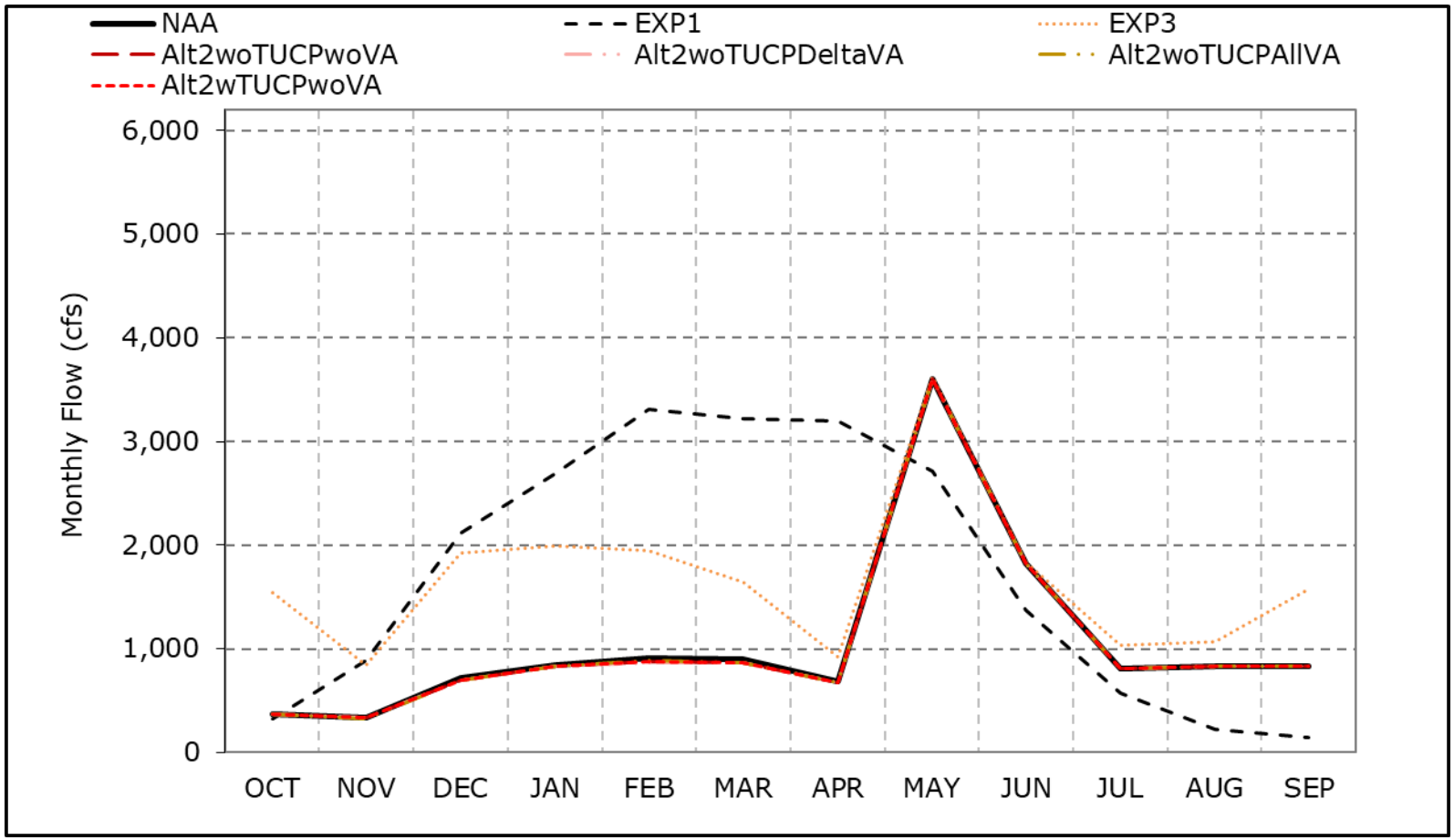
Table F.2.2-1-10c. Trinity River Flow below Lewiston, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-373	-1,700	-2,856	-3,173	-3,237	-3,493	-5,156	-1,145	-454	366	459	586
20% Exceedance	16	-1,040	-3,824	-4,280	-5,236	-3,964	-4,177	397	799	507	573	669
30% Exceedance	84	-692	-2,406	-3,201	-4,644	-3,575	-3,511	1,397	1,187	587	623	699
40% Exceedance	145	-367	-1,606	-2,665	-3,355	-2,934	-2,899	1,566	954	656	692	724
50% Exceedance	184	-217	-967	-2,205	-2,782	-2,673	-2,448	1,792	1,247	712	714	742
60% Exceedance	213	-30	-769	-1,578	-2,135	-2,317	-2,024	1,068	18	126	737	753
70% Exceedance	238	27	-477	-802	-1,465	-1,913	-1,678	1,446	181	169	755	780
80% Exceedance	265	86	-155	-583	-1,001	-1,343	-1,342	1,695	263	235	784	801
90% Exceedance	303	151	33	-323	-702	-992	-875	629	364	305	812	844
Full Simulation Period Average[a]	52	-544	-1,400	-1,847	-2,400	-2,324	-2,521	890	448	245	608	686
Wet Water Years (28%)	128	-608	-916	-2,525	-3,247	-2,320	-3,476	399	650	30	348	571
Above Normal Water Years (14%)	106	-492	-1,115	-2,620	-3,351	-3,085	-3,122	1,237	901	520	647	678
Below Normal Water Years (18%)	-57	-624	-1,587	-2,275	-1,925	-2,506	-2,663	1,071	254	313	689	715
Dry Water Years (24%)	-105	-670	-2,129	-1,095	-2,010	-2,373	-1,963	1,150	213	256	715	743
Critical Water Years (16%)	235	-178	-1,198	-633	-1,205	-1,387	-999	851	272	289	775	779

[a] Based on the 100-year simulation period.

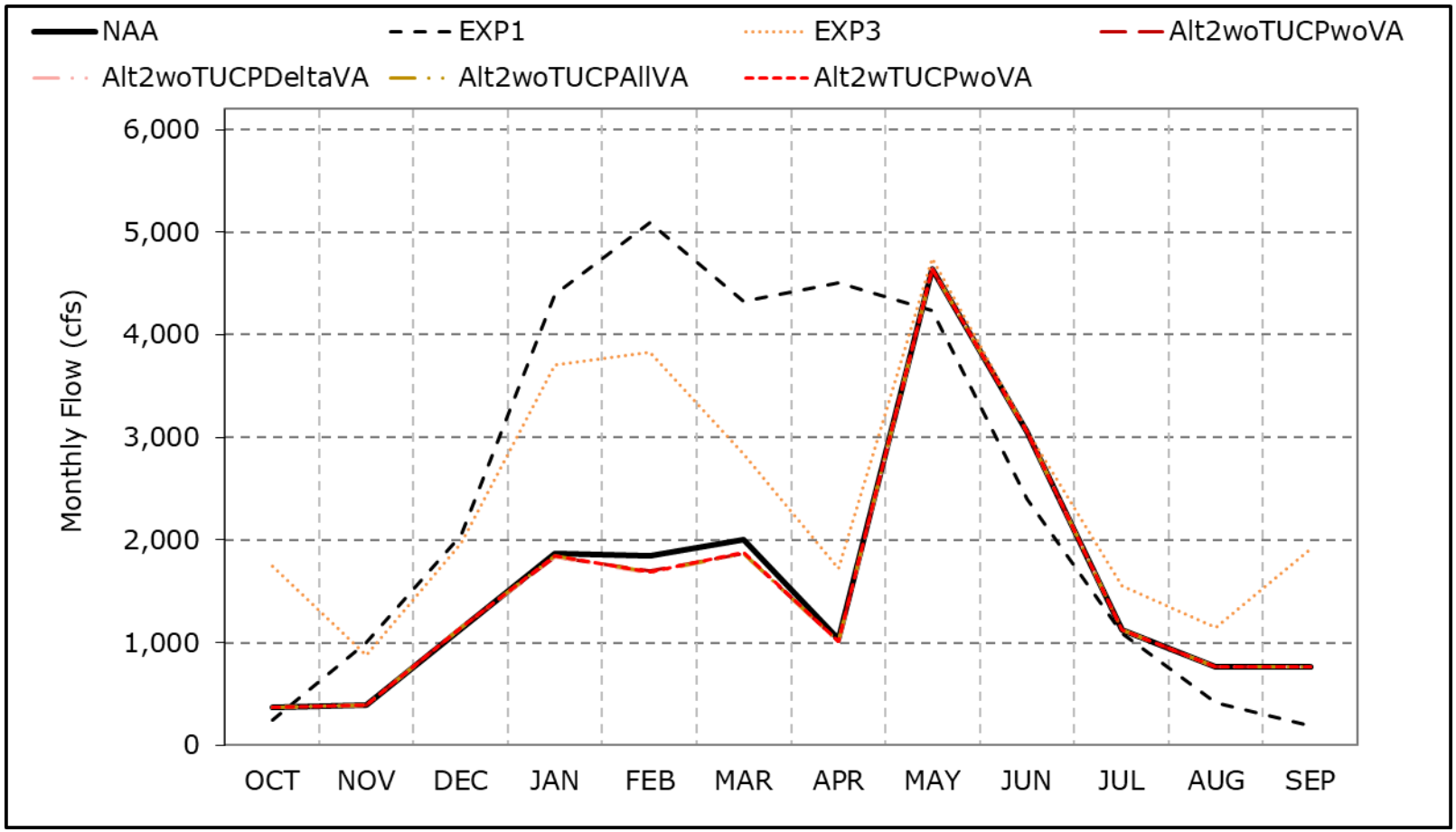
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



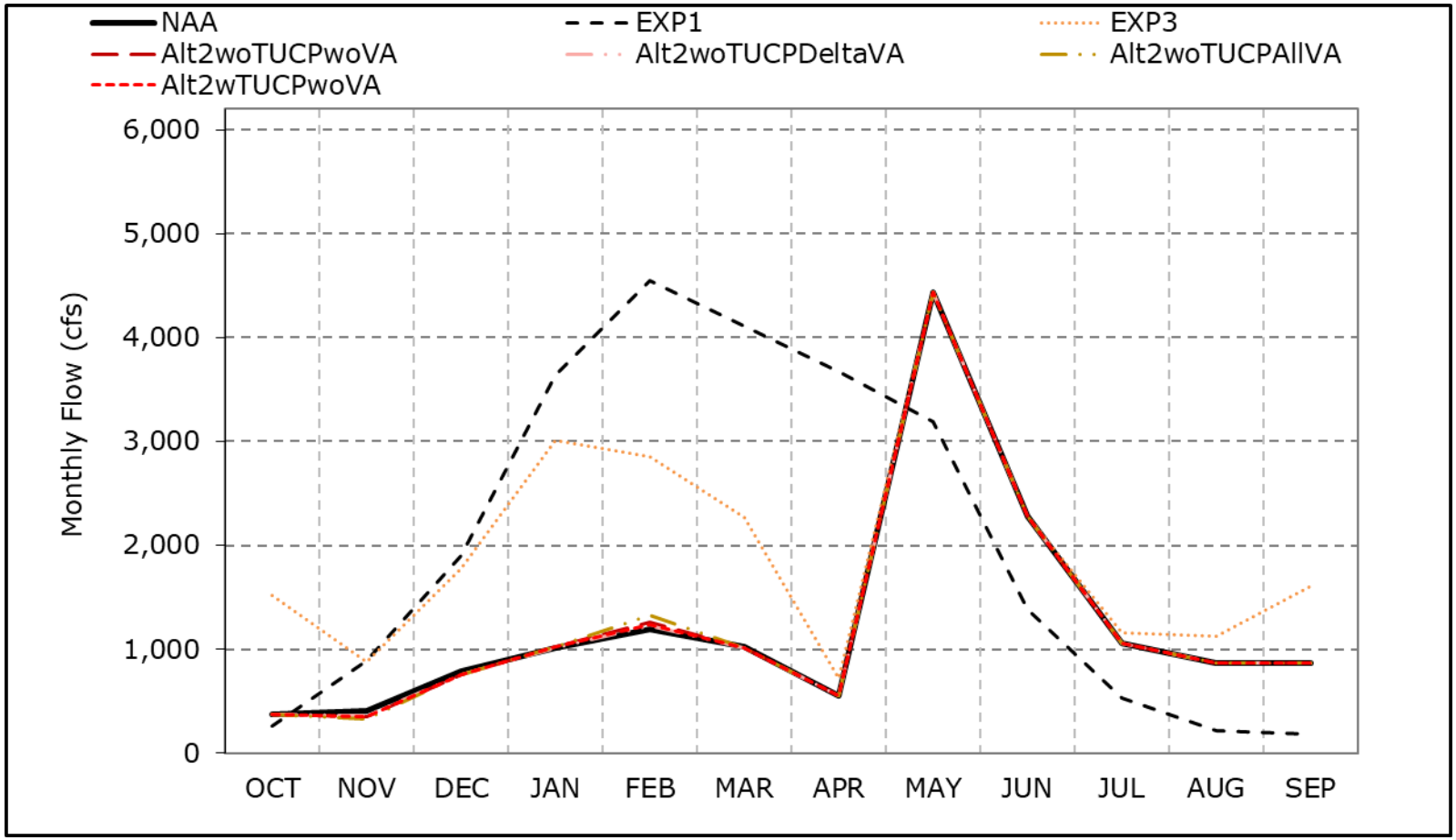
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



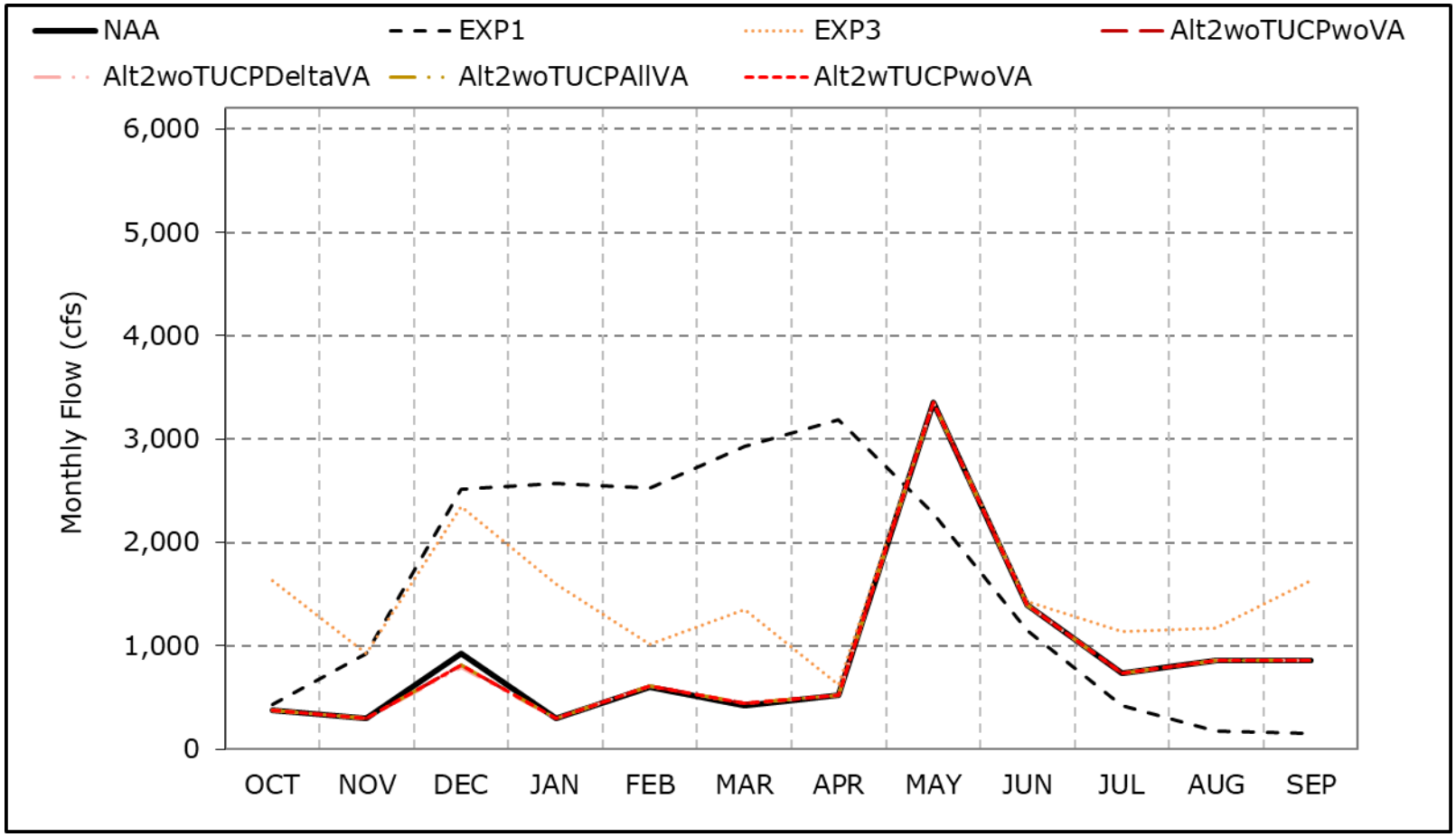
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



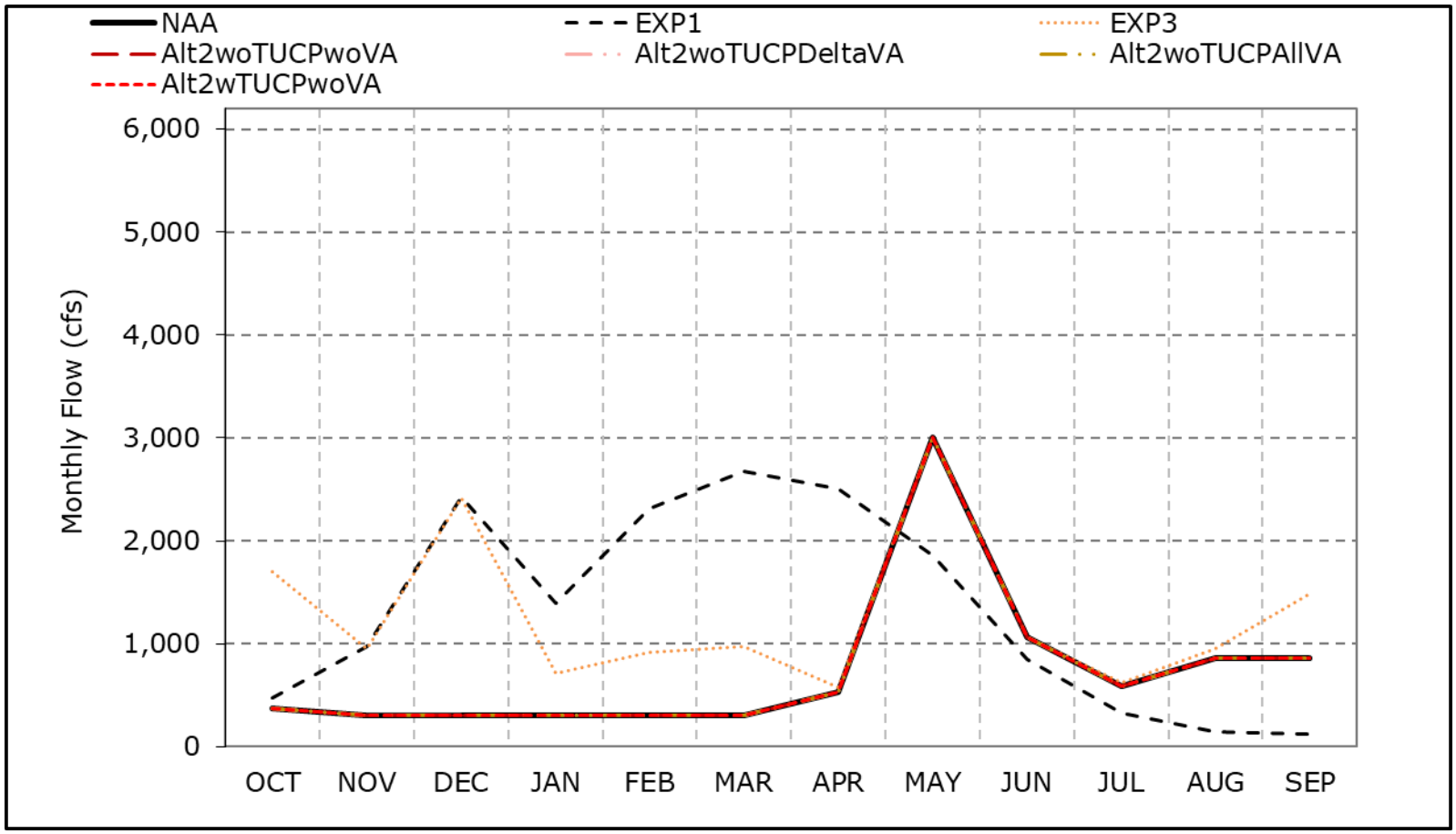
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



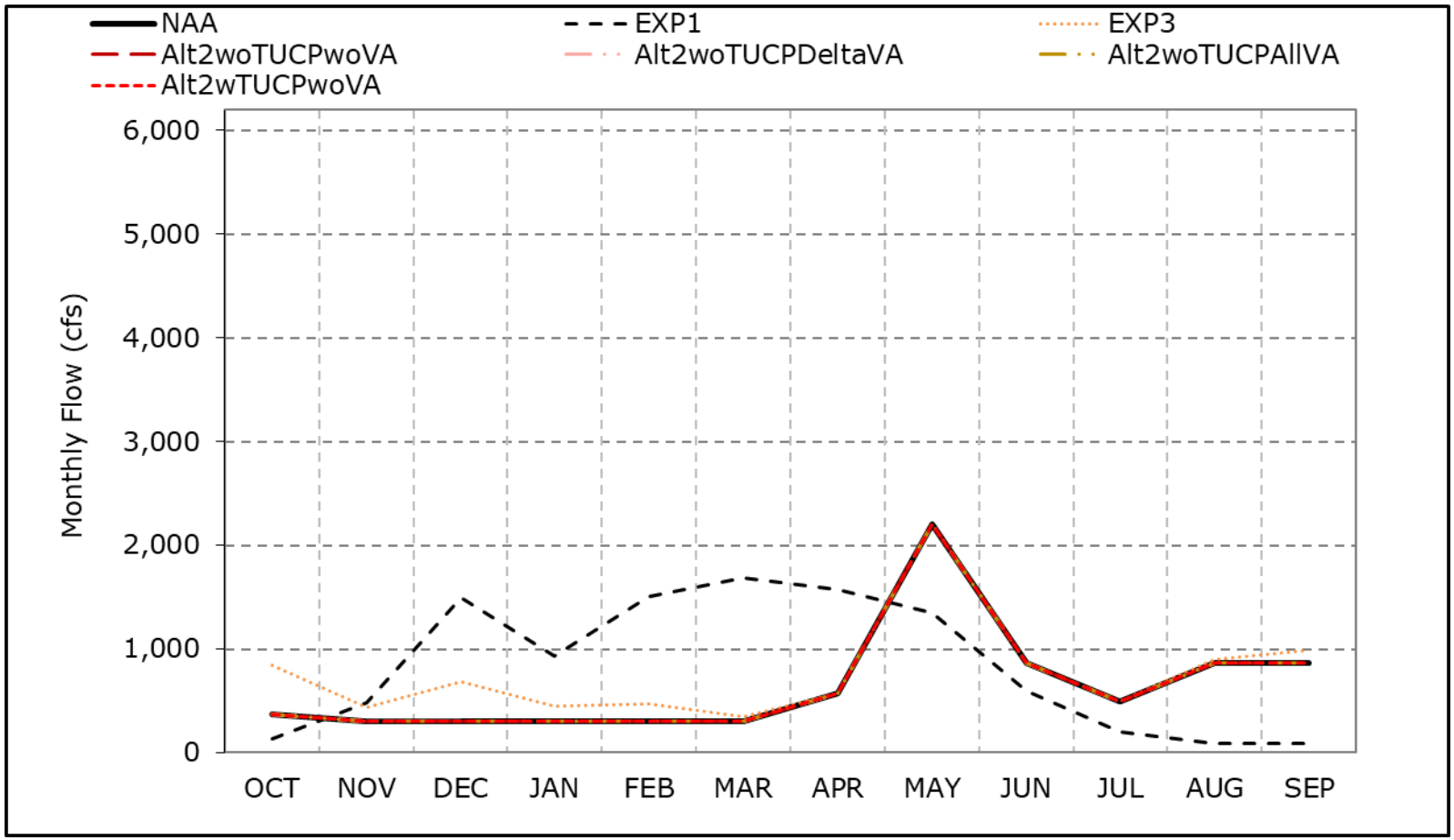
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



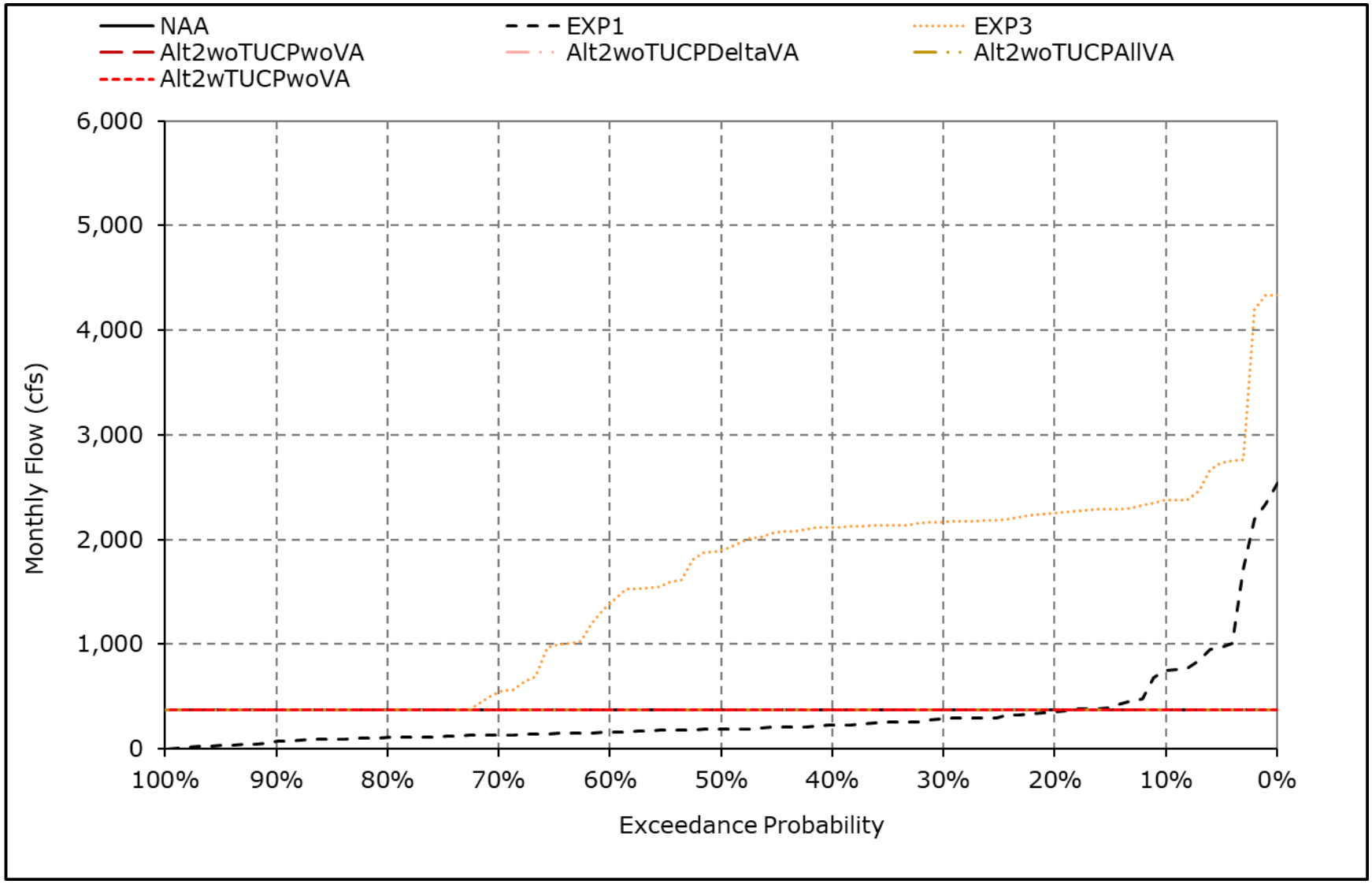
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



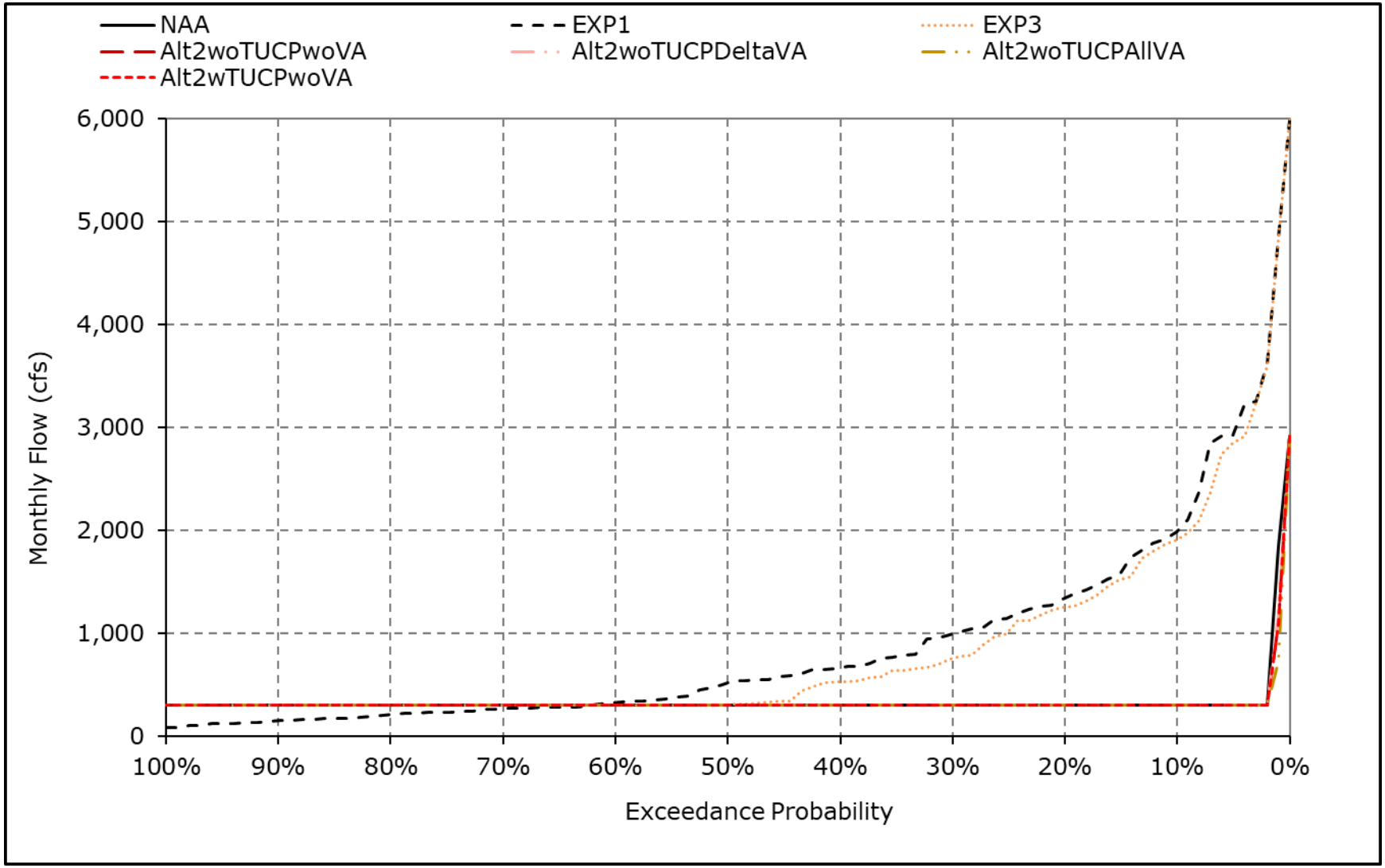
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



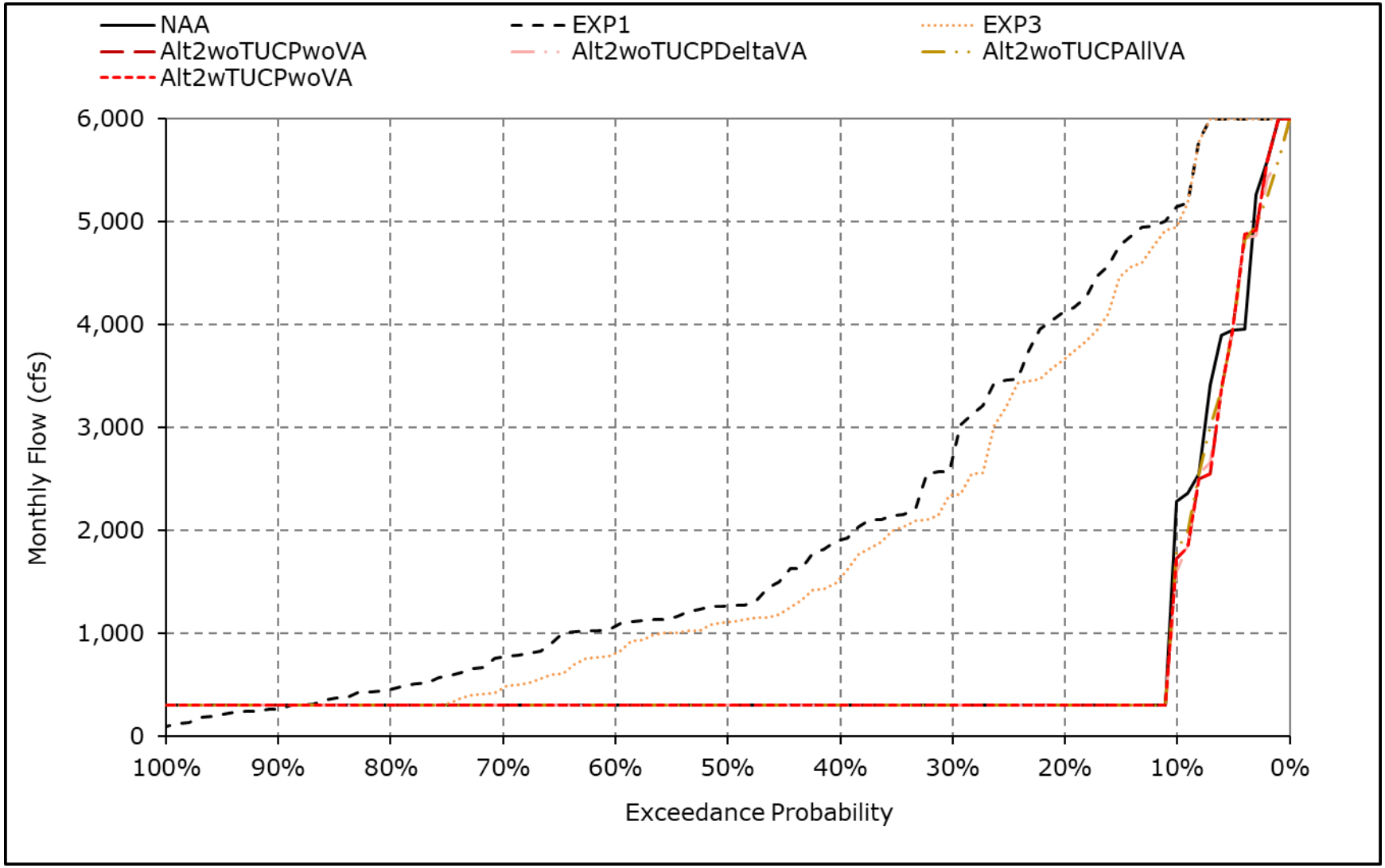
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



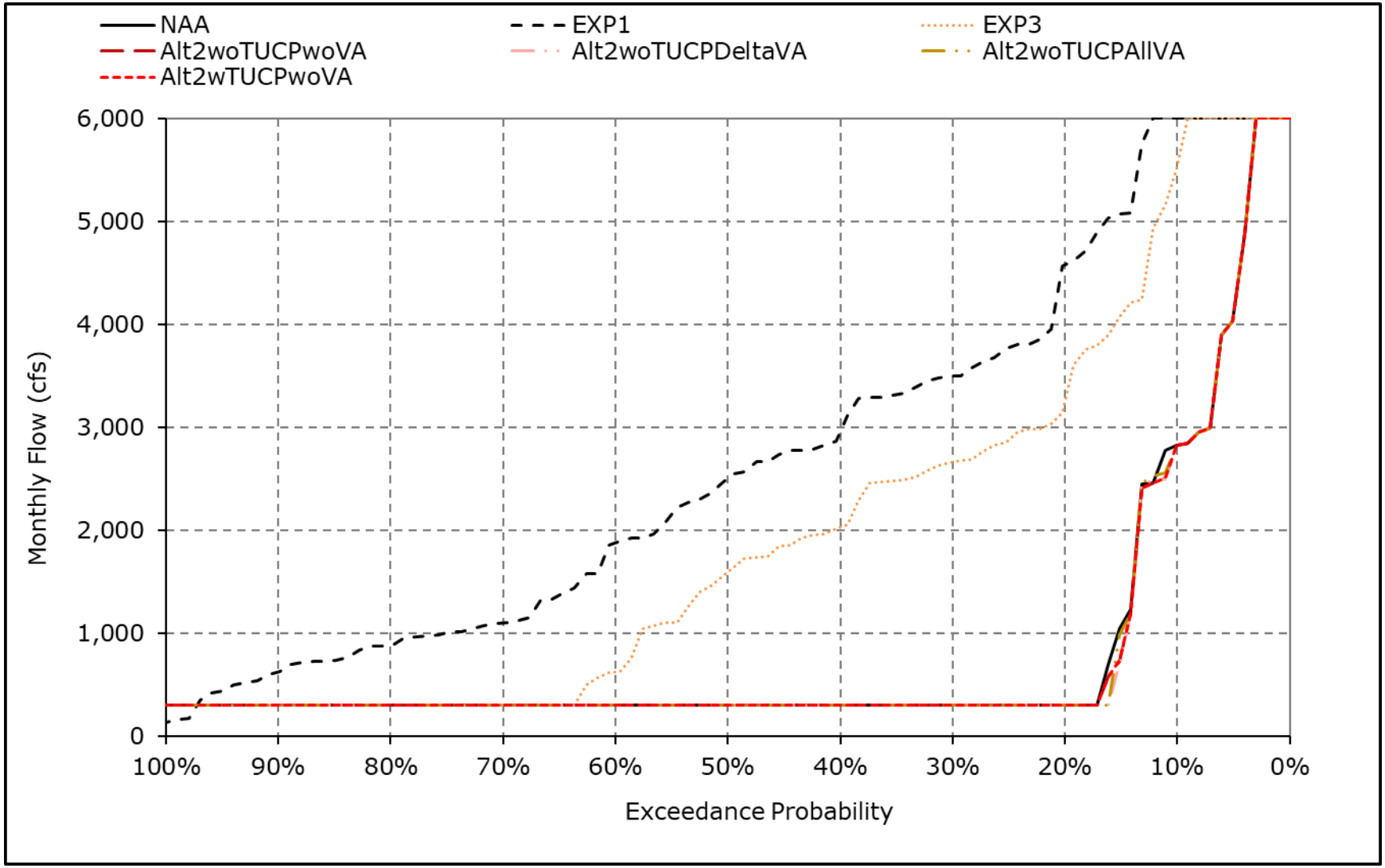
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



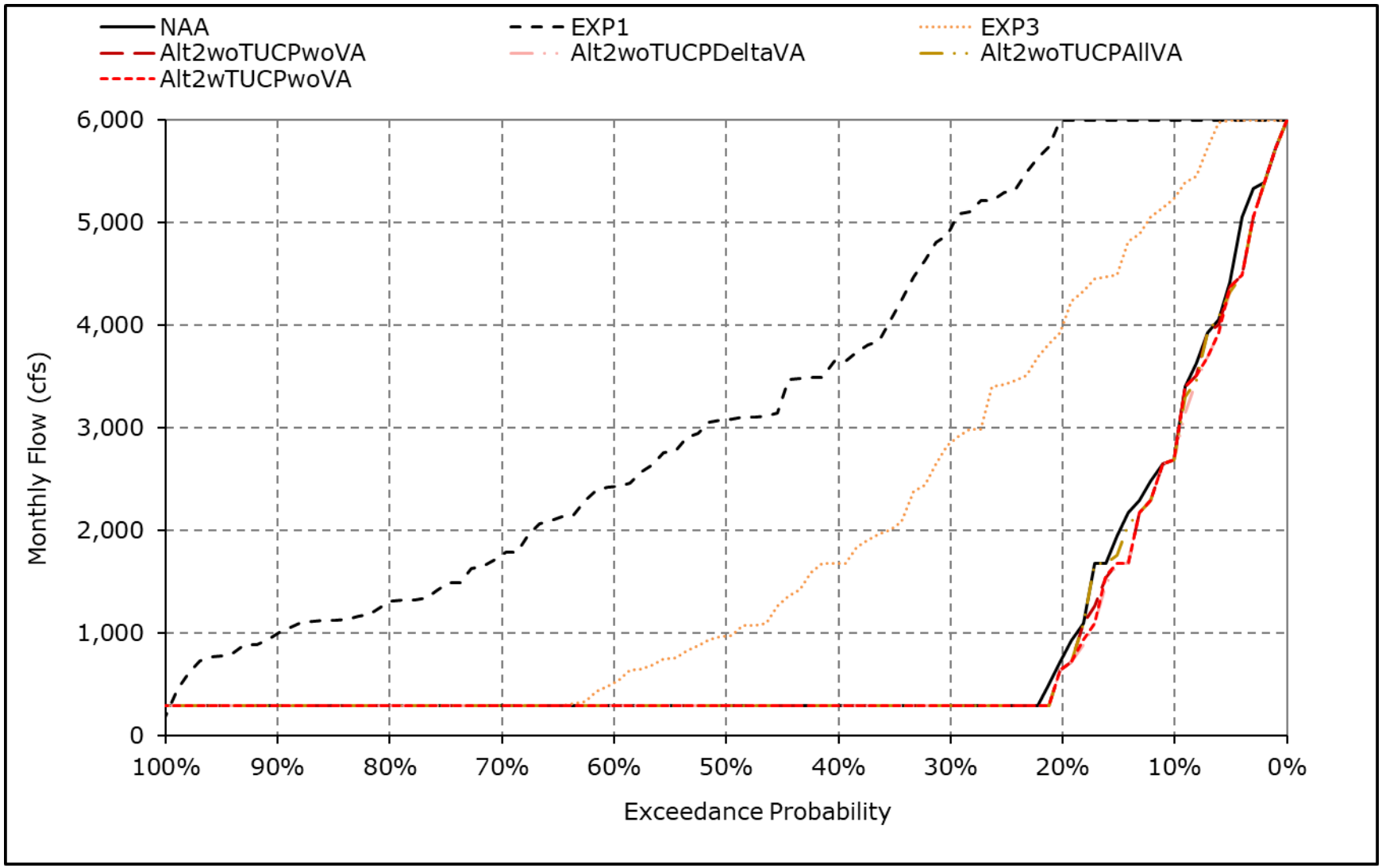
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



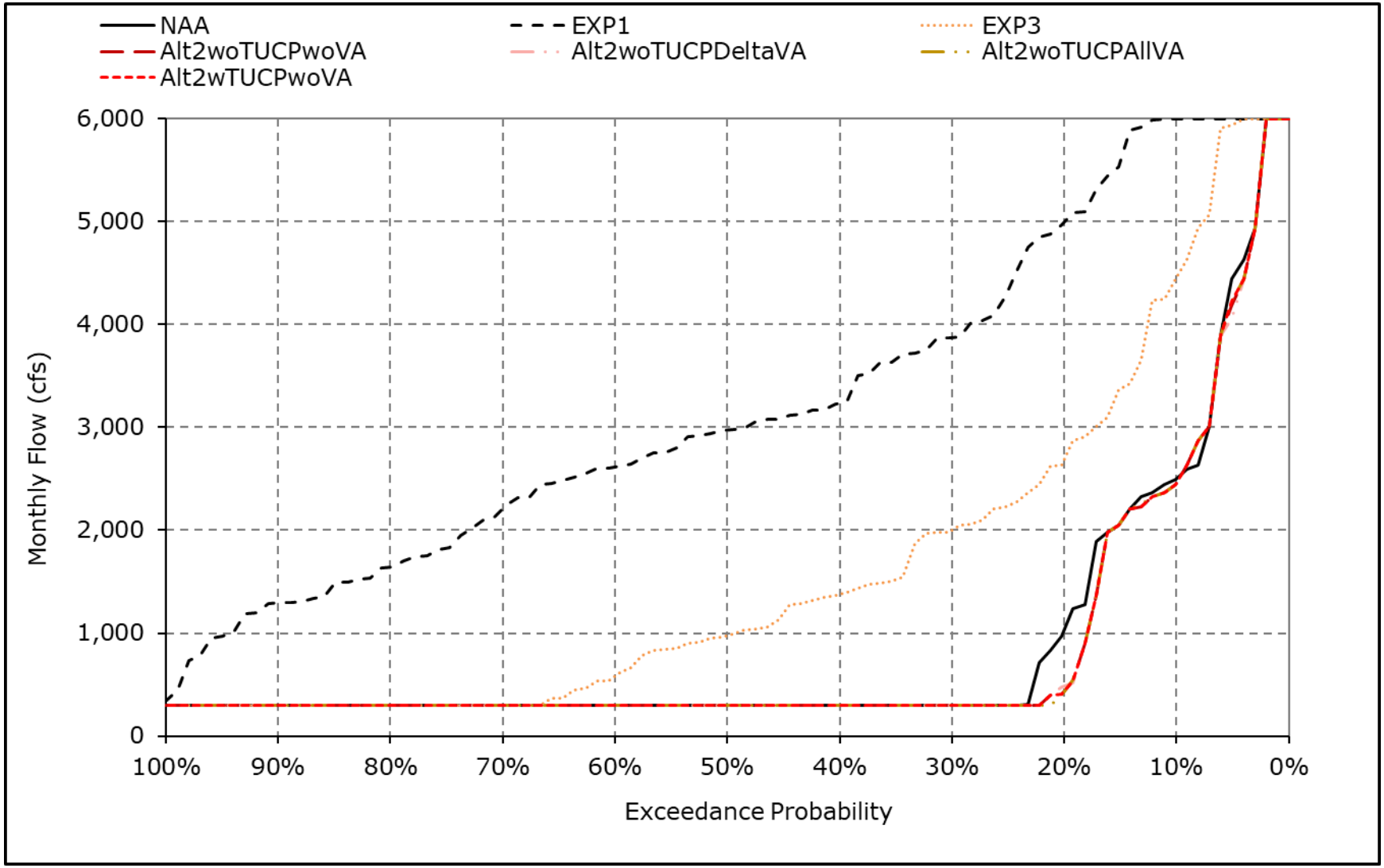
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



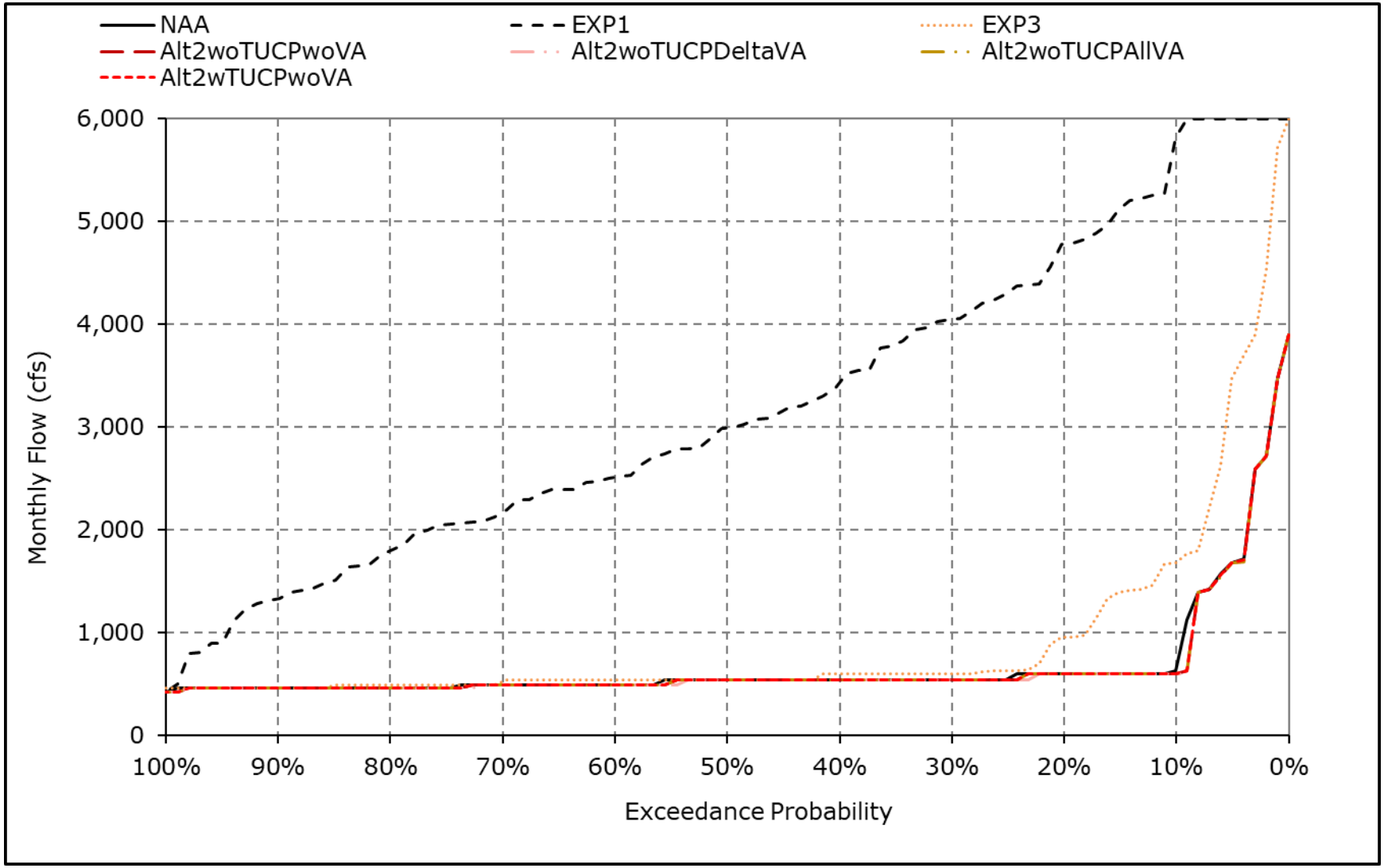
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



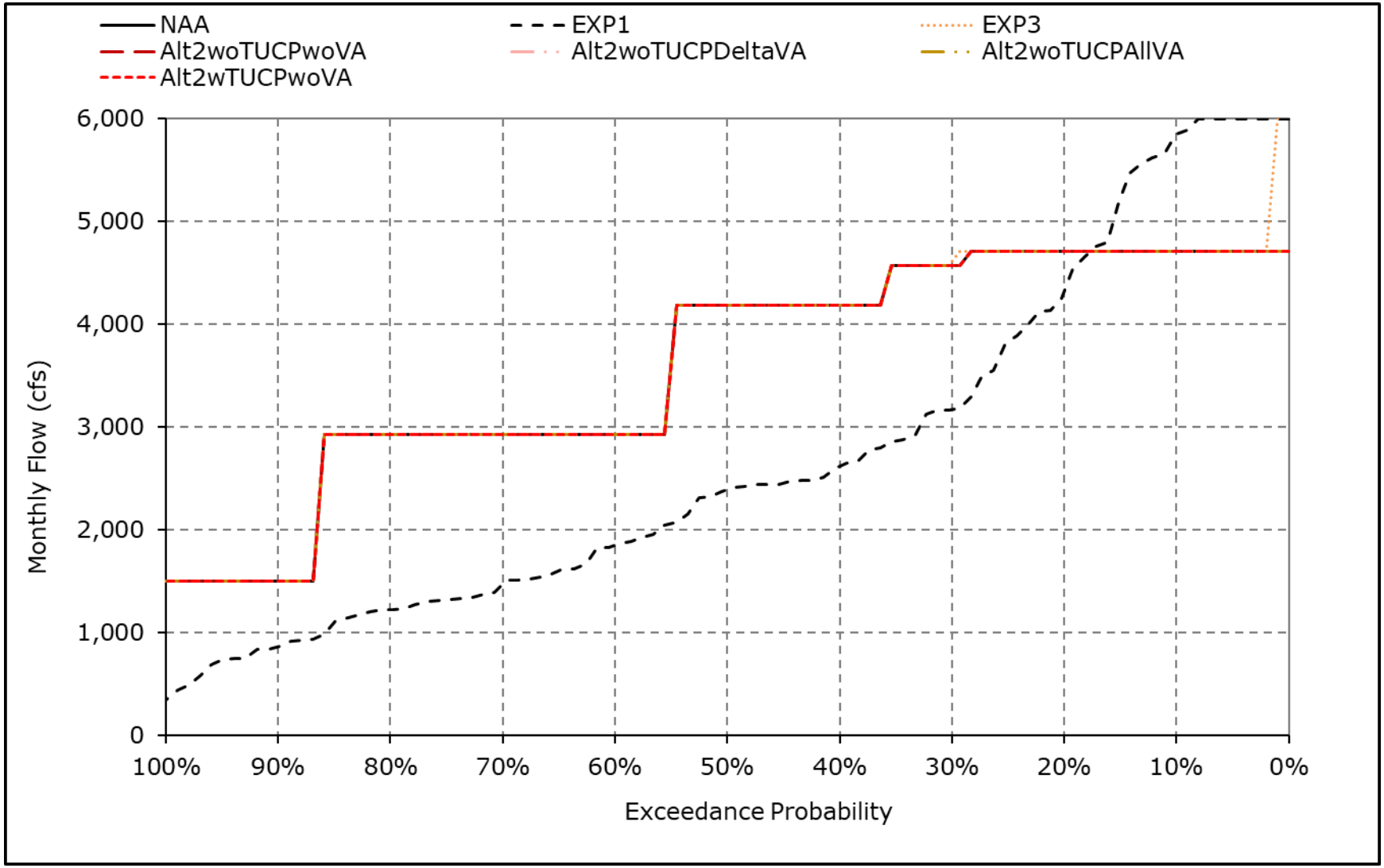
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



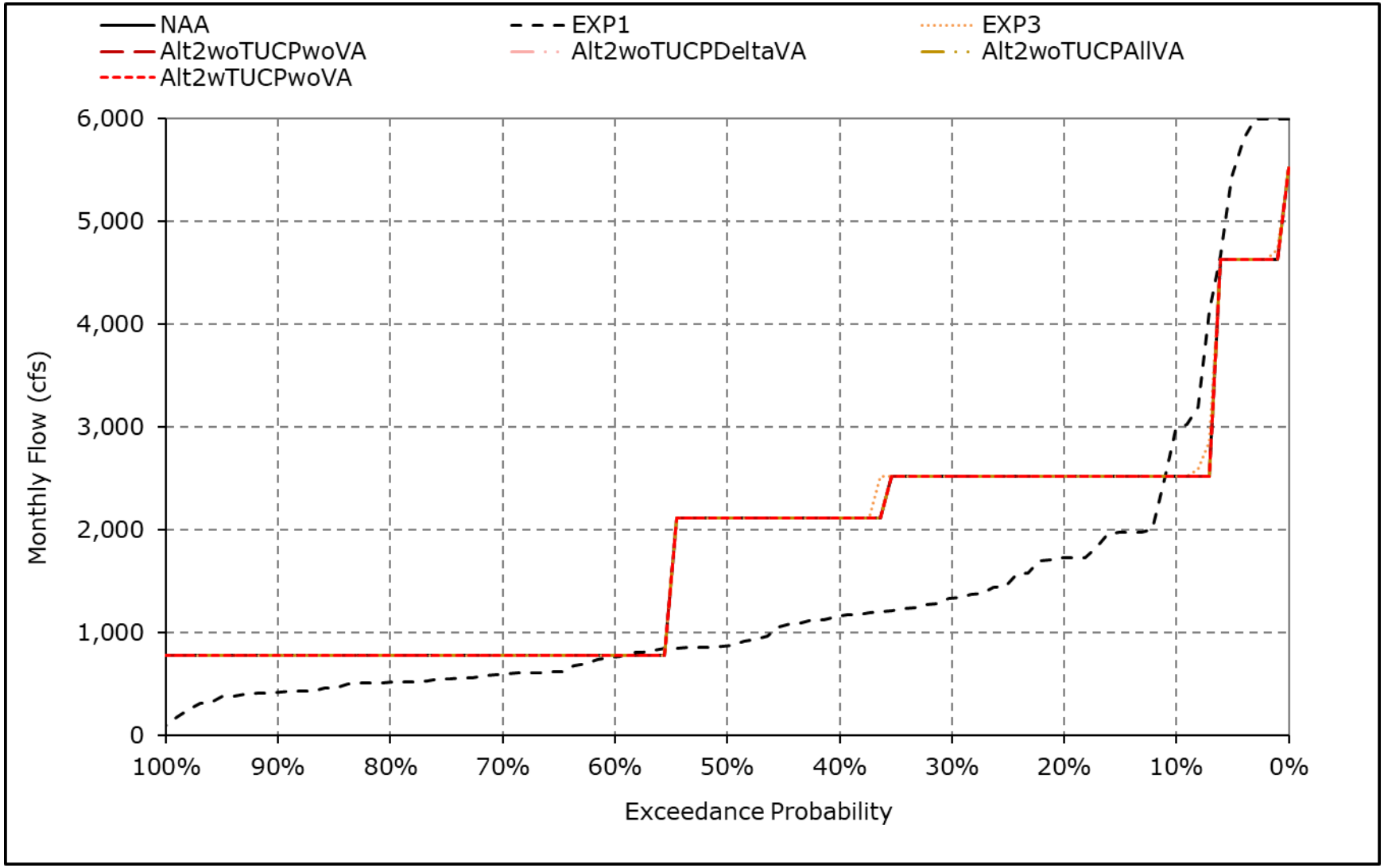
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



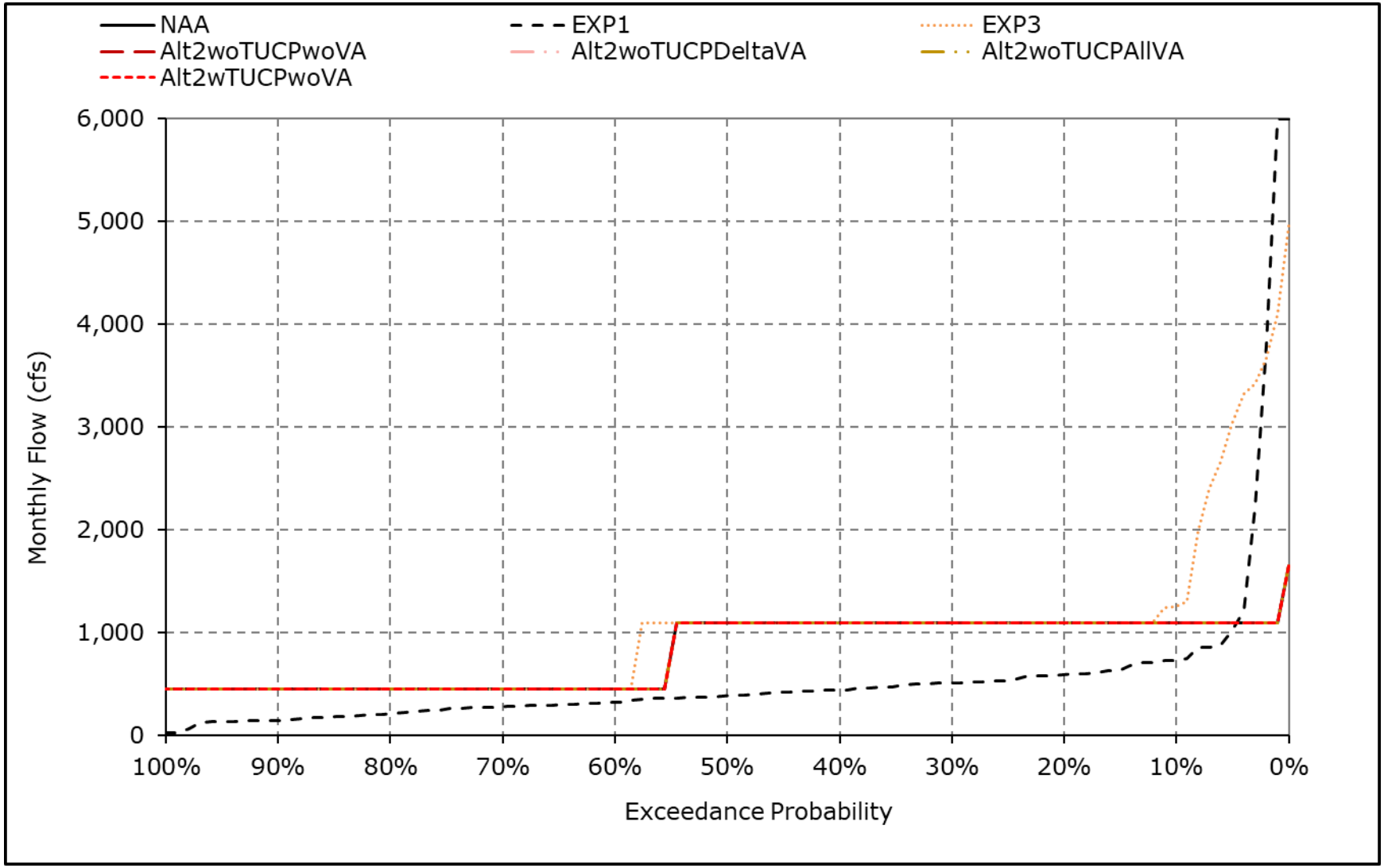
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



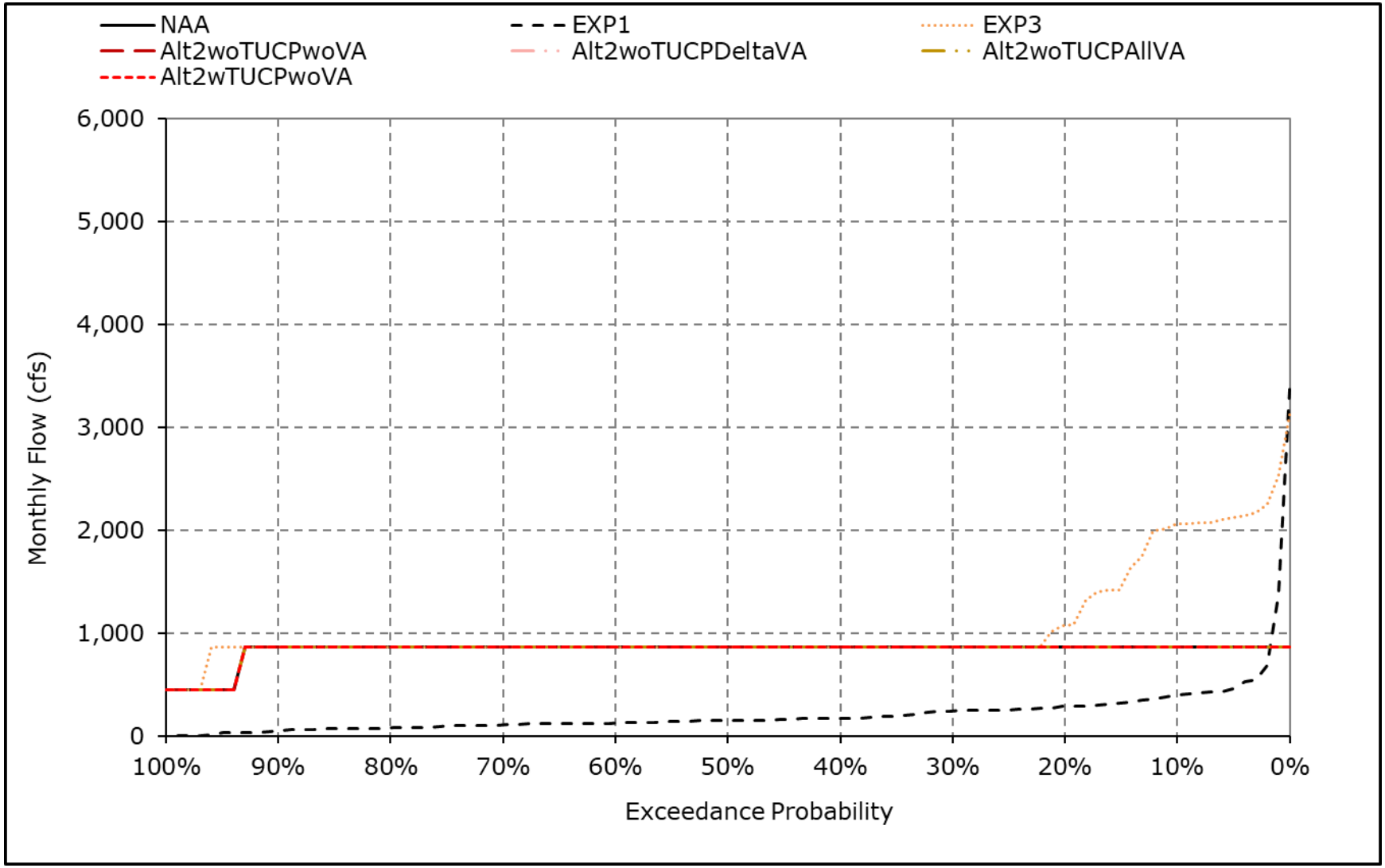
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-1-16. Trinity River Flow below Lewiston, July



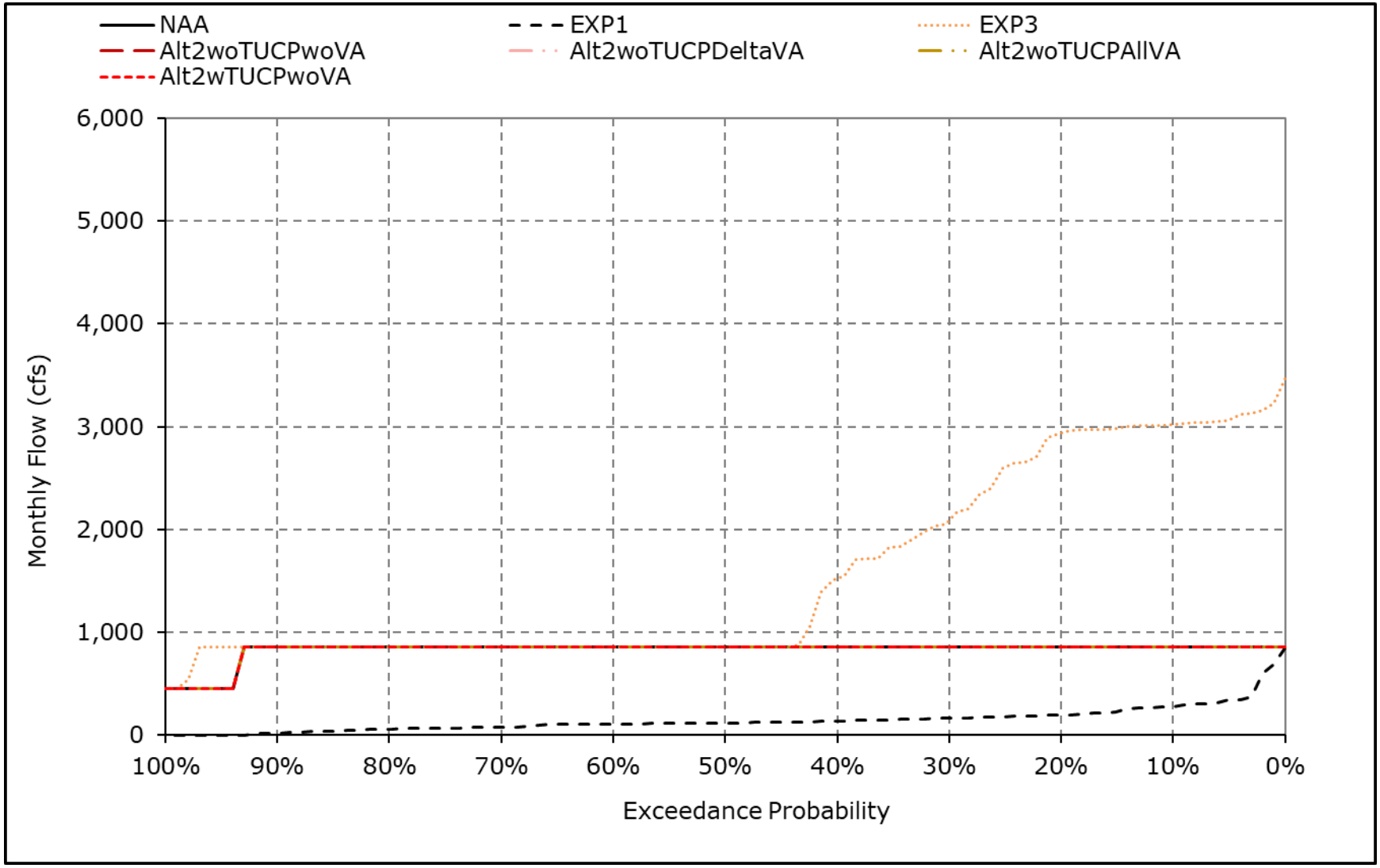
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-1-17. Trinity River Flow below Lewiston, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-1-18. Trinity River Flow below Lewiston, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-2-1a. Clear Creek below Whiskeytown Dam Flow, NAA, 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

Table F.2.2-2-1b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	145	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	133	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	125	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	161	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	173	237	342	426	472	425	326	318	235	124	126	137
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	250	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	127	134	200	267	274	246	192	261	157	137	120	115

Table F.2.2-2-1c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA minus NAA, 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	-34	-25	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-30	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-33	-11
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-42	-34	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-41	-35	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-43	-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	-44	-36	-15
Full Simulation Period Average[a]	-27	22	58	79	-32	60	29	69	-95	-40	-34	-19
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	25	66	83	-53	71	35	66	-98	-44	-36	-22
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	0	18	-2	54	37	22	2	81	-84	-19	-28	-29

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-2a. Clear Creek below Whiskeytown Dam Flow, NAA, 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

Table F.2.2-2-2b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	161	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	174	237	342	426	472	425	326	318	235	124	128	138
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	251	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	132	135	200	267	274	246	192	261	157	137	130	118

Table F.2.2-2-2c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA minus NAA, 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	-34	-24	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-28	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-32	-11
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-42	-34	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-41	-35	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-43	-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	-44	-36	-15
Full Simulation Period Average[a]	-26	22	58	79	-32	60	29	69	-95	-40	-33	-18
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	26	66	83	-53	71	35	66	-98	-44	-36	-22
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	5	19	-2	54	37	22	2	81	-84	-19	-19	-27

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-3a. Clear Creek below Whiskeytown Dam Flow, NAA, 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

Table F.2.2-2-3b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	163	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	173	238	342	426	472	425	326	318	235	124	128	137
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	251	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	126	134	200	267	274	246	192	261	157	137	130	115

Table F.2.2-2-3c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA minus NAA, 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	-34	-24	-10
30% Exceedance	-32	20	62	92	-79	65	35	66	-98	-35	-28	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-32	-11
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-42	-34	-14
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-41	-35	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-43	-35	-14
80% Exceedance	-31	21	68	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	2	0	10	77	14	0	81	-75	-44	-36	-15
Full Simulation Period Average[a]	-27	22	58	79	-32	60	29	69	-95	-40	-33	-19
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	27	66	84	-53	71	35	66	-98	-44	-36	-22
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	0	18	-2	54	37	22	2	81	-84	-19	-19	-29

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-4a. Clear Creek below Whiskeytown Dam Flow, NAA, 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

Table F.2.2-2-4b. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	246	376	435	469	427	367	337	253	134	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	148
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	114	118	137
80% Exceedance	169	225	277	316	317	303	264	286	227	112	116	135
90% Exceedance	166	164	225	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	174	239	344	426	472	425	326	318	234	125	128	142
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	256	371	384	387	379	326	317	243	119	122	140
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	137	137	200	267	274	246	192	261	150	140	130	129

Table F.2.2-2-4c. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA minus NAA, 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	-34	-24	-10
30% Exceedance	-32	22	62	92	-79	65	35	66	-98	-35	-28	-12
40% Exceedance	-32	22	67	86	-68	67	31	68	-98	-40	-32	-9
50% Exceedance	-31	21	66	94	-63	69	34	68	-98	-42	-34	-13
60% Exceedance	-31	22	66	94	-47	67	34	67	-98	-41	-35	-15
70% Exceedance	-31	22	64	95	-23	71	33	66	-98	-42	-35	-14
80% Exceedance	-31	22	69	95	54	70	32	66	-98	-41	-34	-15
90% Exceedance	0	3	31	10	77	14	0	81	-75	-44	-36	-15
Full Simulation Period Average[a]	-25	23	60	79	-32	60	29	69	-97	-39	-33	-14
Wet Water Years (28%)	-32	22	70	85	-80	69	35	66	-98	-44	-36	-15
Above Normal Water Years (14%)	-32	22	70	82	-79	71	35	66	-98	-44	-36	-15
Below Normal Water Years (18%)	-32	32	77	85	-53	71	35	66	-98	-44	-36	-7
Dry Water Years (24%)	-32	22	70	83	20	59	32	66	-98	-44	-36	-15
Critical Water Years (16%)	10	21	-2	54	38	22	2	81	-91	-16	-19	-16

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-5a. Clear Creek below Whiskeytown Dam Flow, NAA, 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

Table F.2.2-2-5b. Clear Creek below Whiskeytown Dam Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	281	455	1,525	1,842	2,658	1,799	1,032	656	372	181	177	178
20% Exceedance	224	285	874	1,396	1,713	1,265	701	476	355	174	168	168
30% Exceedance	210	238	596	897	1,327	923	374	339	350	169	162	159
40% Exceedance	206	217	344	703	1,027	684	289	263	343	165	158	156
50% Exceedance	203	209	264	464	690	480	267	240	339	164	155	153
60% Exceedance	167	201	234	281	486	319	256	233	334	159	153	150
70% Exceedance	103	129	213	235	415	269	248	228	331	156	150	142
80% Exceedance	29	69	146	221	253	234	232	219	264	150	62	34
90% Exceedance	3	22	55	171	211	209	182	167	220	9	0	0
Full Simulation Period Average[a]	169	245	535	798	1,092	793	468	347	315	147	137	128
Wet Water Years (28%)	238	335	578	1,489	1,849	1,341	850	515	380	188	186	173
Above Normal Water Years (14%)	235	346	604	1,195	1,663	1,098	512	413	369	170	170	175
Below Normal Water Years (18%)	148	232	578	605	670	507	354	318	306	148	132	114
Dry Water Years (24%)	119	179	568	290	670	533	273	257	299	112	95	89
Critical Water Years (16%)	79	96	283	221	373	280	183	166	189	105	94	80

Table F.2.2-2-5c. Clear Creek below Whiskeytown Dam Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53	163	1,085	1,346	1,921	1,304	615	344	0	0	0	2
20% Exceedance	6	42	516	997	1,111	850	331	193	0	0	-2	0
30% Exceedance	-1	14	283	554	779	561	42	69	0	0	0	-4
40% Exceedance	-2	1	74	389	521	349	0	12	0	0	0	-2
50% Exceedance	-3	-4	12	189	237	167	0	0	0	1	-1	-2
60% Exceedance	-38	-8	0	27	74	38	0	0	0	0	-1	-3
70% Exceedance	-100	-78	-5	2	53	3	0	0	0	-1	-3	-10
80% Exceedance	-171	-134	-62	0	-10	1	0	0	-60	-3	-89	-116
90% Exceedance	-163	-138	-139	-37	-10	-8	-7	-12	-26	-141	-150	-150
Full Simulation Period Average[a]	-31	29	252	451	588	428	172	98	-15	-18	-23	-28
Wet Water Years (28%)	27	94	287	960	1,071	815	473	229	20	17	14	9
Above Normal Water Years (14%)	24	111	297	817	1,047	703	184	141	14	0	4	10
Below Normal Water Years (18%)	-63	7	284	306	230	199	63	67	-34	-16	-25	-33
Dry Water Years (24%)	-98	-50	266	49	326	236	13	18	-35	-47	-60	-67
Critical Water Years (16%)	-47	-20	81	8	136	56	-6	-13	-52	-51	-54	-64

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-6a. Clear Creek below Whiskeytown Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	159	545	1,608	1,898	2,659	1,984	1,431	712	357	261	196	168
20% Exceedance	104	275	1,062	1,419	1,816	1,476	1,172	543	245	204	158	106
30% Exceedance	68	143	748	1,044	1,340	1,110	842	454	221	180	129	53
40% Exceedance	49	106	518	789	1,077	875	566	346	187	156	81	32
50% Exceedance	39	90	353	538	809	731	434	272	151	119	55	18
60% Exceedance	27	63	263	417	567	531	385	225	136	96	44	5
70% Exceedance	9	50	160	266	422	455	326	196	103	82	27	2
80% Exceedance	4	15	74	174	285	305	252	162	89	40	17	0
90% Exceedance	1	5	27	99	160	190	182	107	53	6	0	0
Full Simulation Period Average[a]	61	198	610	842	1,095	955	706	368	182	134	96	54
Wet Water Years (28%)	74	274	613	1,523	1,759	1,519	1,245	554	267	135	142	92
Above Normal Water Years (14%)	71	232	721	1,233	1,666	1,281	834	454	245	126	101	92
Below Normal Water Years (18%)	50	201	636	700	675	704	584	325	148	102	102	28
Dry Water Years (24%)	67	154	674	328	740	685	409	250	107	140	59	30
Critical Water Years (16%)	28	86	362	237	439	366	230	195	128	169	59	18

Table F.2.2-2-6b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	145	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	133	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	125	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	161	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	173	237	342	426	472	425	326	318	235	124	126	137
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	250	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	127	134	200	267	274	246	192	261	157	137	120	115

Table F.2.2-2-6c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	36	-230	-1,098	-1,307	-1,989	-1,417	-979	-333	-83	-105	-38	-4
20% Exceedance	82	-10	-639	-924	-1,278	-991	-766	-194	13	-64	-13	52
30% Exceedance	111	100	-372	-609	-871	-683	-475	-117	32	-47	4	97
40% Exceedance	127	132	-181	-388	-638	-472	-245	-27	58	-31	45	114
50% Exceedance	136	145	-34	-170	-419	-349	-133	35	90	2	67	123
60% Exceedance	146	168	38	-69	-202	-182	-96	75	101	22	75	134
70% Exceedance	163	179	122	62	-84	-118	-45	99	131	31	91	135
80% Exceedance	166	209	202	142	32	-2	12	123	137	72	99	135
90% Exceedance	165	157	167	118	139	41	7	152	119	100	114	135
Full Simulation Period Average[a]	112	40	-269	-416	-624	-530	-380	-50	53	-10	30	84
Wet Water Years (28%)	106	-11	-253	-910	-1,060	-925	-833	-201	-5	-7	-6	57
Above Normal Water Years (14%)	108	24	-344	-774	-1,130	-814	-471	-115	12	0	29	57
Below Normal Water Years (18%)	129	49	-276	-317	-288	-325	-258	-8	95	17	19	97
Dry Water Years (24%)	118	96	-302	-3	-376	-329	-118	55	130	-25	61	111
Critical Water Years (16%)	99	48	-162	30	-165	-121	-39	65	29	-32	61	97

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-7a. Clear Creek below Whiskeytown Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	159	545	1,608	1,898	2,659	1,984	1,431	712	357	261	196	168
20% Exceedance	104	275	1,062	1,419	1,816	1,476	1,172	543	245	204	158	106
30% Exceedance	68	143	748	1,044	1,340	1,110	842	454	221	180	129	53
40% Exceedance	49	106	518	789	1,077	875	566	346	187	156	81	32
50% Exceedance	39	90	353	538	809	731	434	272	151	119	55	18
60% Exceedance	27	63	263	417	567	531	385	225	136	96	44	5
70% Exceedance	9	50	160	266	422	455	326	196	103	82	27	2
80% Exceedance	4	15	74	174	285	305	252	162	89	40	17	0
90% Exceedance	1	5	27	99	160	190	182	107	53	6	0	0
Full Simulation Period Average[a]	61	198	610	842	1,095	955	706	368	182	134	96	54
Wet Water Years (28%)	74	274	613	1,523	1,759	1,519	1,245	554	267	135	142	92
Above Normal Water Years (14%)	71	232	721	1,233	1,666	1,281	834	454	245	126	101	92
Below Normal Water Years (18%)	50	201	636	700	675	704	584	325	148	102	102	28
Dry Water Years (24%)	67	154	674	328	740	685	409	250	107	140	59	30
Critical Water Years (16%)	28	86	362	237	439	366	230	195	128	169	59	18

Table F.2.2-2-7b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	161	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	174	237	342	426	472	425	326	318	235	124	128	138
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	251	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	132	135	200	267	274	246	192	261	157	137	130	118

Table F.2.2-2-7c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	36	-230	-1,098	-1,307	-1,989	-1,417	-979	-333	-83	-105	-38	-4
20% Exceedance	82	-10	-639	-924	-1,278	-991	-766	-194	13	-64	-13	52
30% Exceedance	111	100	-372	-609	-871	-683	-475	-117	32	-47	5	97
40% Exceedance	127	132	-181	-388	-638	-472	-245	-27	58	-31	45	114
50% Exceedance	136	145	-34	-170	-419	-349	-133	35	90	2	67	123
60% Exceedance	146	168	38	-69	-202	-182	-96	75	101	22	75	134
70% Exceedance	163	179	122	62	-84	-118	-45	99	131	31	91	135
80% Exceedance	166	209	202	142	32	-2	12	123	137	72	100	135
90% Exceedance	165	157	167	118	139	41	7	152	119	100	114	135
Full Simulation Period Average[a]	113	40	-269	-416	-624	-530	-380	-50	53	-10	32	84
Wet Water Years (28%)	106	-11	-253	-910	-1,060	-925	-833	-201	-5	-7	-6	57
Above Normal Water Years (14%)	108	24	-344	-774	-1,130	-814	-471	-115	12	0	29	57
Below Normal Water Years (18%)	129	50	-276	-317	-288	-325	-258	-8	95	17	19	97
Dry Water Years (24%)	118	96	-302	-3	-376	-329	-118	55	130	-25	61	111
Critical Water Years (16%)	103	49	-162	30	-165	-121	-39	65	29	-32	70	99

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-8a. Clear Creek below Whiskeytown Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	159	545	1,608	1,898	2,659	1,984	1,431	712	357	261	196	168
20% Exceedance	104	275	1,062	1,419	1,816	1,476	1,172	543	245	204	158	106
30% Exceedance	68	143	748	1,044	1,340	1,110	842	454	221	180	129	53
40% Exceedance	49	106	518	789	1,077	875	566	346	187	156	81	32
50% Exceedance	39	90	353	538	809	731	434	272	151	119	55	18
60% Exceedance	27	63	263	417	567	531	385	225	136	96	44	5
70% Exceedance	9	50	160	266	422	455	326	196	103	82	27	2
80% Exceedance	4	15	74	174	285	305	252	162	89	40	17	0
90% Exceedance	1	5	27	99	160	190	182	107	53	6	0	0
Full Simulation Period Average[a]	61	198	610	842	1,095	955	706	368	182	134	96	54
Wet Water Years (28%)	74	274	613	1,523	1,759	1,519	1,245	554	267	135	142	92
Above Normal Water Years (14%)	71	232	721	1,233	1,666	1,281	834	454	245	126	101	92
Below Normal Water Years (18%)	50	201	636	700	675	704	584	325	148	102	102	28
Dry Water Years (24%)	67	154	674	328	740	685	409	250	107	140	59	30
Critical Water Years (16%)	28	86	362	237	439	366	230	195	128	169	59	18

Table F.2.2-2-8b. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	244	376	435	469	427	367	337	253	133	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	146
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	113	118	137
80% Exceedance	169	224	276	316	317	303	264	286	227	111	116	135
90% Exceedance	166	163	194	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	173	238	342	426	472	425	326	318	235	124	128	137
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	251	360	383	387	379	326	317	243	119	122	125
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	126	134	200	267	274	246	192	261	157	137	130	115

Table F.2.2-2-8c. Clear Creek below Whiskeytown Dam Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	36	-230	-1,098	-1,307	-1,989	-1,417	-979	-333	-83	-105	-38	-4
20% Exceedance	82	-10	-639	-924	-1,278	-991	-766	-194	13	-64	-13	52
30% Exceedance	111	100	-372	-609	-871	-683	-475	-117	32	-47	5	97
40% Exceedance	127	132	-181	-388	-638	-472	-245	-27	58	-31	45	114
50% Exceedance	136	145	-34	-170	-419	-349	-133	35	90	2	67	123
60% Exceedance	146	168	38	-69	-202	-182	-96	75	101	22	75	134
70% Exceedance	163	179	122	62	-84	-118	-45	99	131	31	91	135
80% Exceedance	166	209	202	142	32	-2	12	123	137	72	100	135
90% Exceedance	165	158	167	118	139	41	7	152	119	100	114	135
Full Simulation Period Average[a]	112	40	-269	-416	-624	-530	-380	-50	53	-10	32	84
Wet Water Years (28%)	106	-11	-253	-910	-1,060	-925	-833	-201	-5	-7	-6	57
Above Normal Water Years (14%)	108	24	-344	-774	-1,130	-814	-471	-115	12	0	29	57
Below Normal Water Years (18%)	129	51	-276	-317	-288	-325	-258	-8	95	17	19	97
Dry Water Years (24%)	118	96	-302	-3	-376	-329	-118	55	130	-25	61	111
Critical Water Years (16%)	98	48	-162	30	-165	-121	-39	65	29	-32	70	97

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-9a. Clear Creek below Whiskeytown Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	159	545	1,608	1,898	2,659	1,984	1,431	712	357	261	196	168
20% Exceedance	104	275	1,062	1,419	1,816	1,476	1,172	543	245	204	158	106
30% Exceedance	68	143	748	1,044	1,340	1,110	842	454	221	180	129	53
40% Exceedance	49	106	518	789	1,077	875	566	346	187	156	81	32
50% Exceedance	39	90	353	538	809	731	434	272	151	119	55	18
60% Exceedance	27	63	263	417	567	531	385	225	136	96	44	5
70% Exceedance	9	50	160	266	422	455	326	196	103	82	27	2
80% Exceedance	4	15	74	174	285	305	252	162	89	40	17	0
90% Exceedance	1	5	27	99	160	190	182	107	53	6	0	0
Full Simulation Period Average[a]	61	198	610	842	1,095	955	706	368	182	134	96	54
Wet Water Years (28%)	74	274	613	1,523	1,759	1,519	1,245	554	267	135	142	92
Above Normal Water Years (14%)	71	232	721	1,233	1,666	1,281	834	454	245	126	101	92
Below Normal Water Years (18%)	50	201	636	700	675	704	584	325	148	102	102	28
Dry Water Years (24%)	67	154	674	328	740	685	409	250	107	140	59	30
Critical Water Years (16%)	28	86	362	237	439	366	230	195	128	169	59	18

Table F.2.2-2-9b. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	314	510	591	670	567	452	379	274	155	158	164
20% Exceedance	187	264	424	495	538	485	406	349	258	140	146	158
30% Exceedance	179	246	376	435	469	427	367	337	253	134	134	150
40% Exceedance	177	238	337	400	438	403	320	319	245	125	126	148
50% Exceedance	175	235	319	368	390	381	301	308	241	121	122	141
60% Exceedance	173	231	300	347	365	349	290	299	236	118	119	138
70% Exceedance	172	229	282	327	339	337	281	295	234	114	118	137
80% Exceedance	169	225	277	316	317	303	264	286	227	112	116	135
90% Exceedance	166	164	225	218	298	231	189	260	172	106	114	135
Full Simulation Period Average[a]	174	239	344	426	472	425	326	318	234	125	128	142
Wet Water Years (28%)	179	263	361	614	698	595	412	353	262	127	137	149
Above Normal Water Years (14%)	179	256	377	459	536	467	363	338	257	126	130	149
Below Normal Water Years (18%)	180	256	371	384	387	379	326	317	243	119	122	140
Dry Water Years (24%)	185	250	372	324	364	356	292	305	237	115	119	141
Critical Water Years (16%)	137	137	200	267	274	246	192	261	150	140	130	129

Table F.2.2-2-9c. Clear Creek below Whiskeytown Dam Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	36	-230	-1,098	-1,307	-1,989	-1,417	-979	-333	-83	-105	-38	-4
20% Exceedance	82	-10	-639	-924	-1,278	-991	-766	-194	13	-64	-13	52
30% Exceedance	111	103	-372	-609	-871	-683	-475	-117	32	-47	5	97
40% Exceedance	127	132	-181	-388	-638	-472	-245	-27	58	-31	45	116
50% Exceedance	136	145	-34	-170	-419	-349	-133	35	90	2	67	123
60% Exceedance	146	168	38	-69	-202	-182	-96	75	101	23	75	134
70% Exceedance	163	179	122	62	-84	-118	-45	99	131	32	91	136
80% Exceedance	166	210	203	142	32	-2	12	123	137	72	100	135
90% Exceedance	165	159	198	118	139	41	7	152	119	100	114	135
Full Simulation Period Average[a]	114	41	-267	-416	-624	-530	-380	-50	52	-10	32	89
Wet Water Years (28%)	106	-11	-253	-910	-1,060	-925	-833	-201	-5	-7	-6	57
Above Normal Water Years (14%)	108	24	-344	-774	-1,130	-814	-471	-115	12	0	29	57
Below Normal Water Years (18%)	129	55	-265	-316	-288	-325	-258	-8	95	17	19	112
Dry Water Years (24%)	118	96	-302	-3	-376	-329	-118	55	130	-25	61	111
Critical Water Years (16%)	109	51	-162	30	-165	-121	-39	65	22	-29	70	111

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-2-10a. Clear Creek below Whiskeytown Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	159	545	1,608	1,898	2,659	1,984	1,431	712	357	261	196	168
20% Exceedance	104	275	1,062	1,419	1,816	1,476	1,172	543	245	204	158	106
30% Exceedance	68	143	748	1,044	1,340	1,110	842	454	221	180	129	53
40% Exceedance	49	106	518	789	1,077	875	566	346	187	156	81	32
50% Exceedance	39	90	353	538	809	731	434	272	151	119	55	18
60% Exceedance	27	63	263	417	567	531	385	225	136	96	44	5
70% Exceedance	9	50	160	266	422	455	326	196	103	82	27	2
80% Exceedance	4	15	74	174	285	305	252	162	89	40	17	0
90% Exceedance	1	5	27	99	160	190	182	107	53	6	0	0
Full Simulation Period Average[a]	61	198	610	842	1,095	955	706	368	182	134	96	54
Wet Water Years (28%)	74	274	613	1,523	1,759	1,519	1,245	554	267	135	142	92
Above Normal Water Years (14%)	71	232	721	1,233	1,666	1,281	834	454	245	126	101	92
Below Normal Water Years (18%)	50	201	636	700	675	704	584	325	148	102	102	28
Dry Water Years (24%)	67	154	674	328	740	685	409	250	107	140	59	30
Critical Water Years (16%)	28	86	362	237	439	366	230	195	128	169	59	18

Table F.2.2-2-10b. Clear Creek below Whiskeytown Dam Flow, NAA, 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

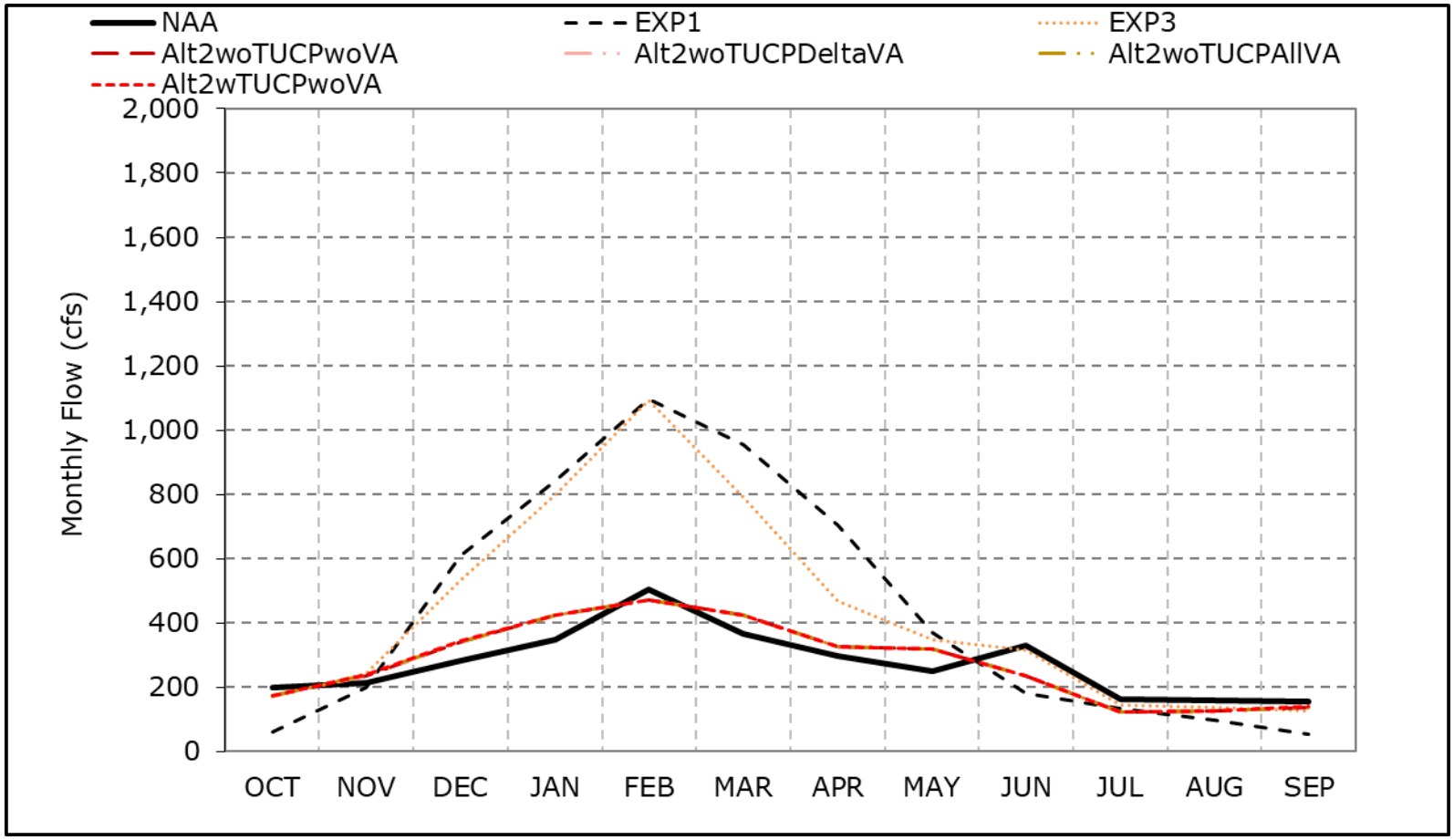
Table F.2.2-2-10c. Clear Creek below Whiskeytown Dam Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68	-252	-1,168	-1,402	-1,923	-1,489	-1,014	-400	15	-79	-18	8
20% Exceedance	114	-32	-704	-1,019	-1,213	-1,061	-801	-260	110	-30	12	62
30% Exceedance	143	81	-434	-701	-791	-748	-510	-183	130	-12	33	110
40% Exceedance	159	110	-248	-475	-570	-539	-276	-95	156	9	78	125
50% Exceedance	167	124	-101	-264	-356	-418	-167	-33	187	44	101	137
60% Exceedance	178	146	-28	-163	-155	-250	-129	8	198	63	109	149
70% Exceedance	194	157	58	-33	-60	-189	-78	32	229	74	126	150
80% Exceedance	197	188	134	47	-22	-71	-20	57	235	113	134	150
90% Exceedance	165	156	167	109	61	27	7	71	194	144	150	150
Full Simulation Period Average[a]	139	18	-327	-495	-591	-590	-409	-119	148	30	65	102
Wet Water Years (28%)	137	-33	-322	-995	-980	-993	-868	-267	92	37	30	73
Above Normal Water Years (14%)	140	3	-414	-855	-1,051	-886	-506	-182	109	44	65	72
Below Normal Water Years (18%)	161	24	-342	-401	-235	-397	-293	-75	192	61	55	119
Dry Water Years (24%)	150	74	-371	-87	-396	-388	-149	-11	227	19	96	127
Critical Water Years (16%)	98	30	-160	-24	-202	-143	-41	-16	113	-14	89	126

[a] Based on the 100-year simulation period.

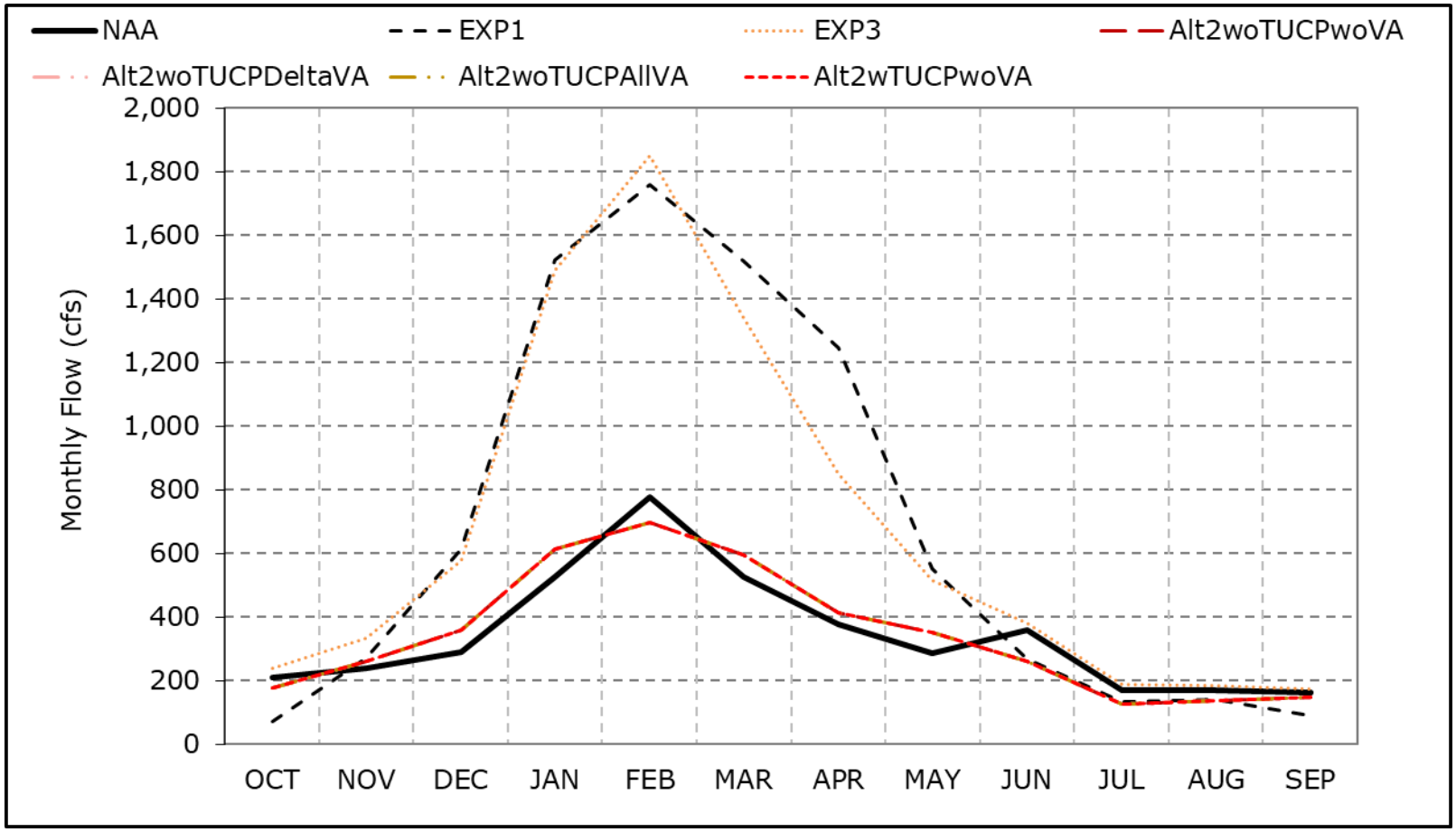
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



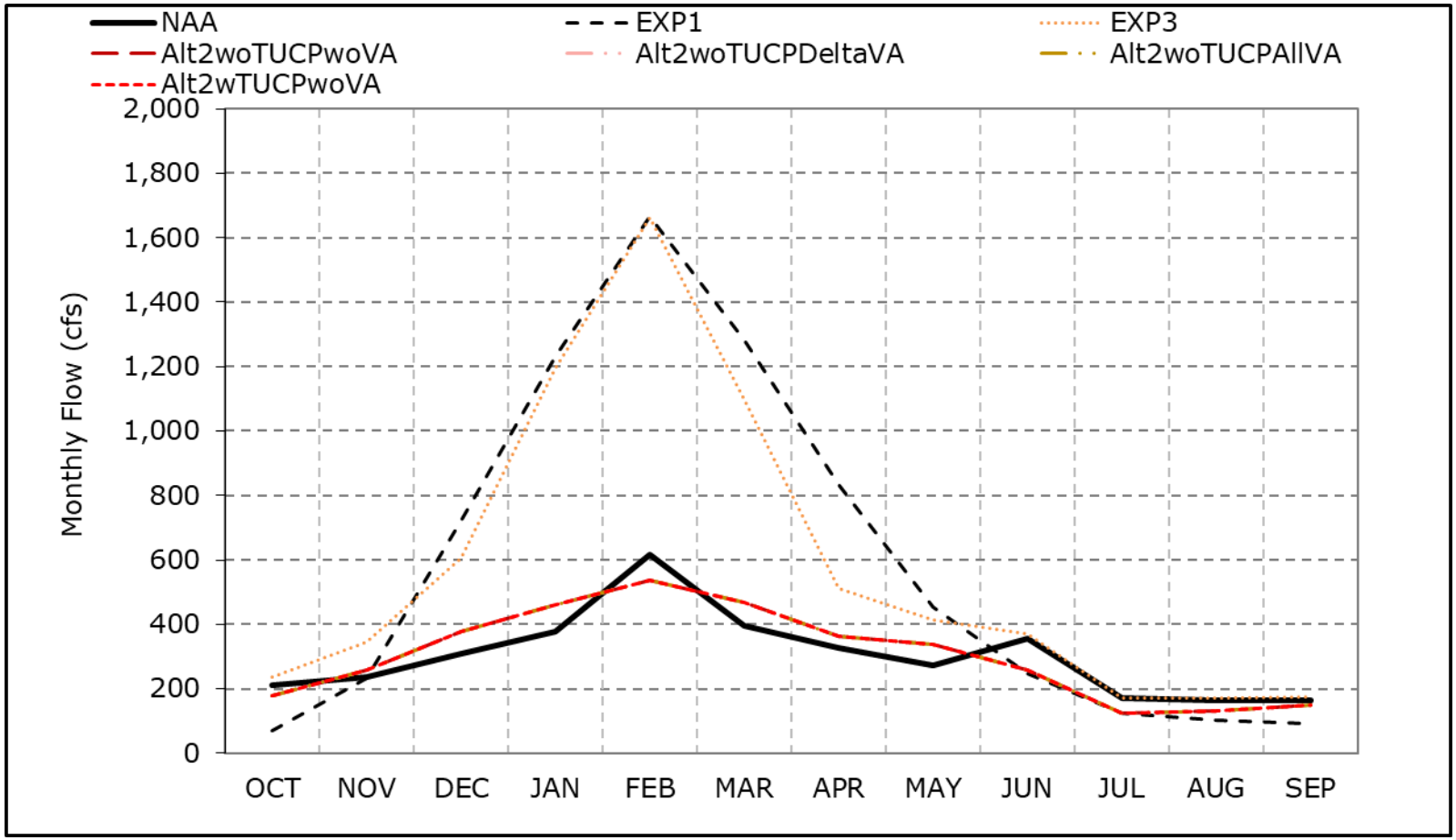
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



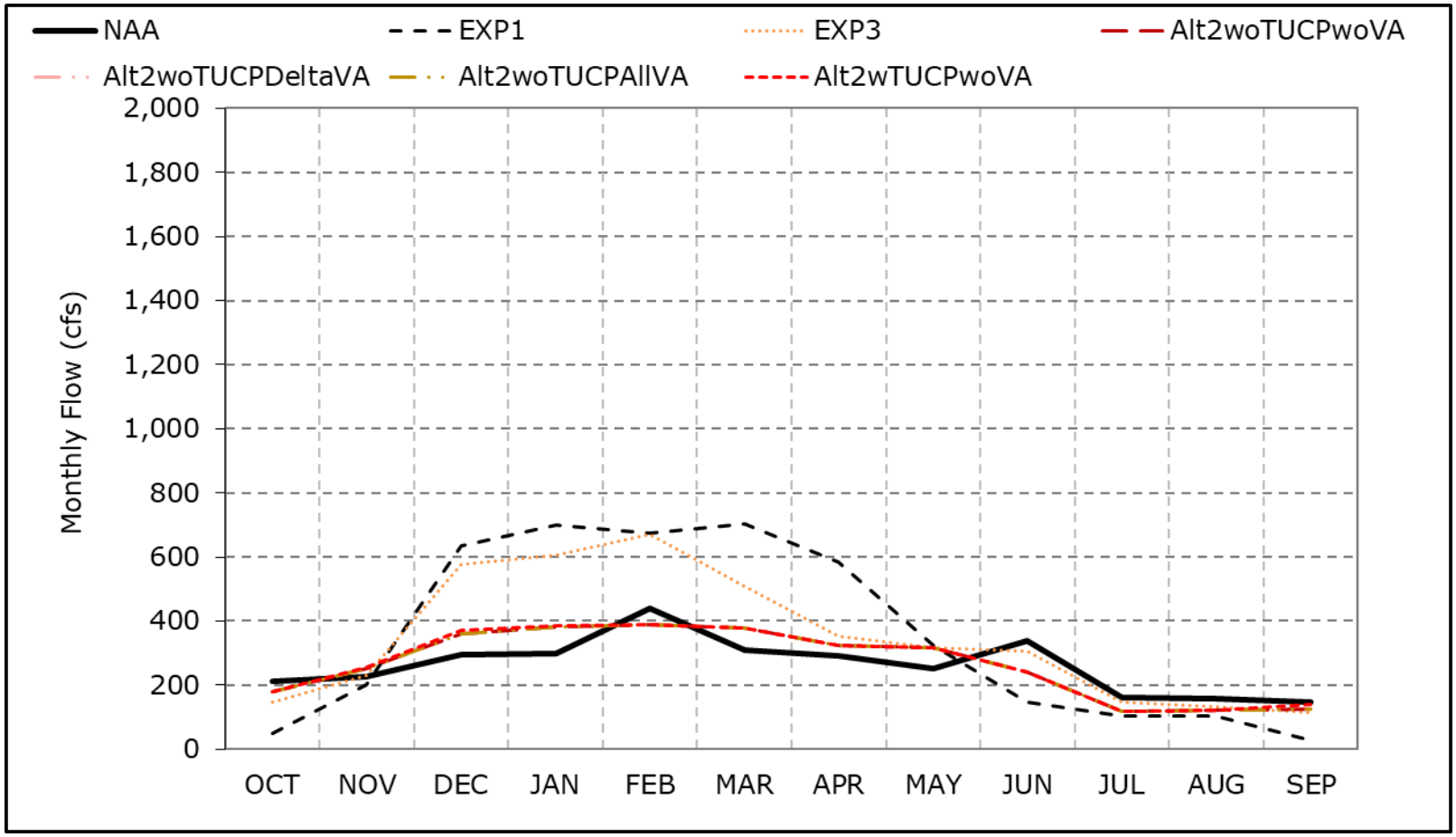
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



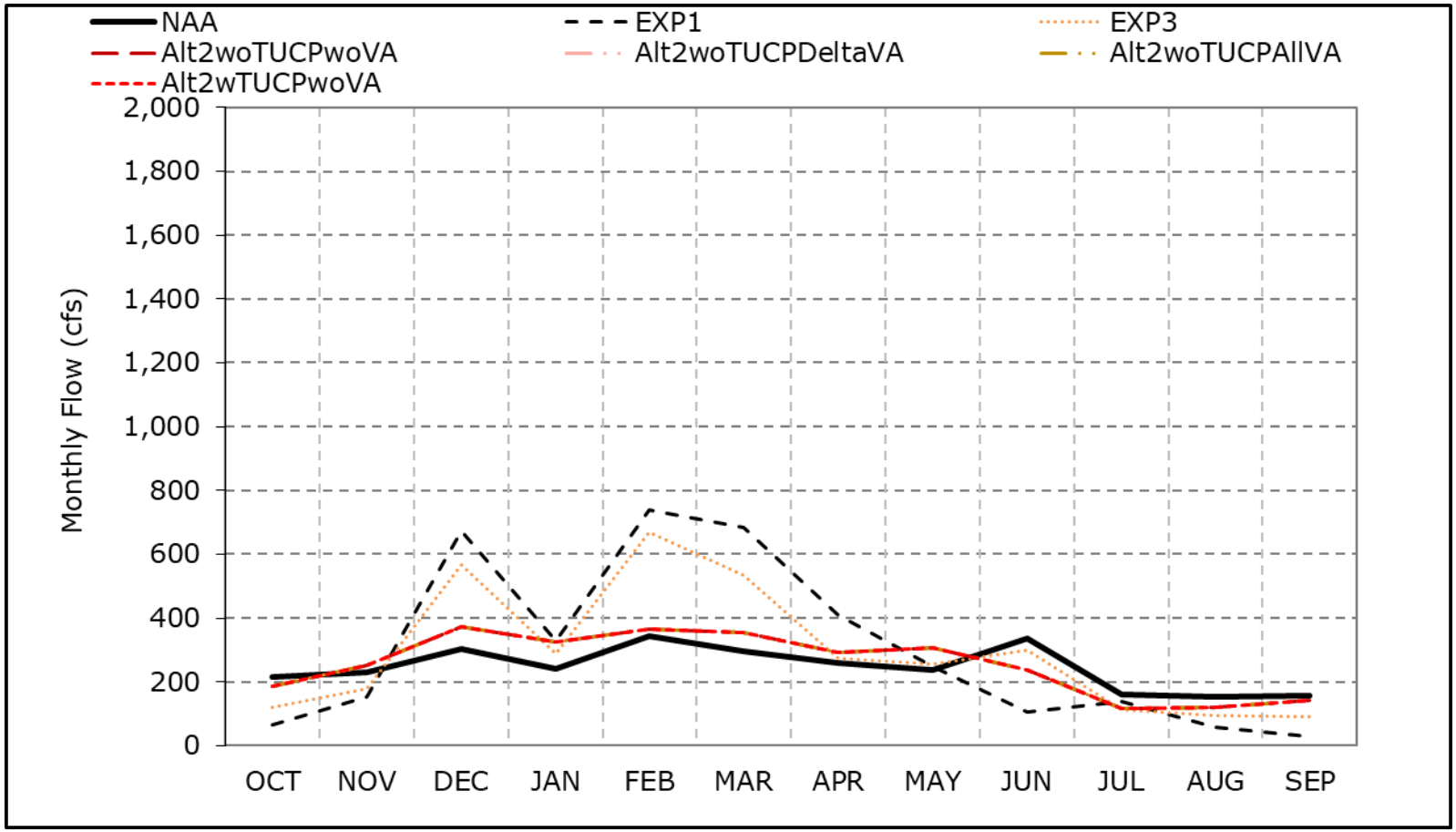
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



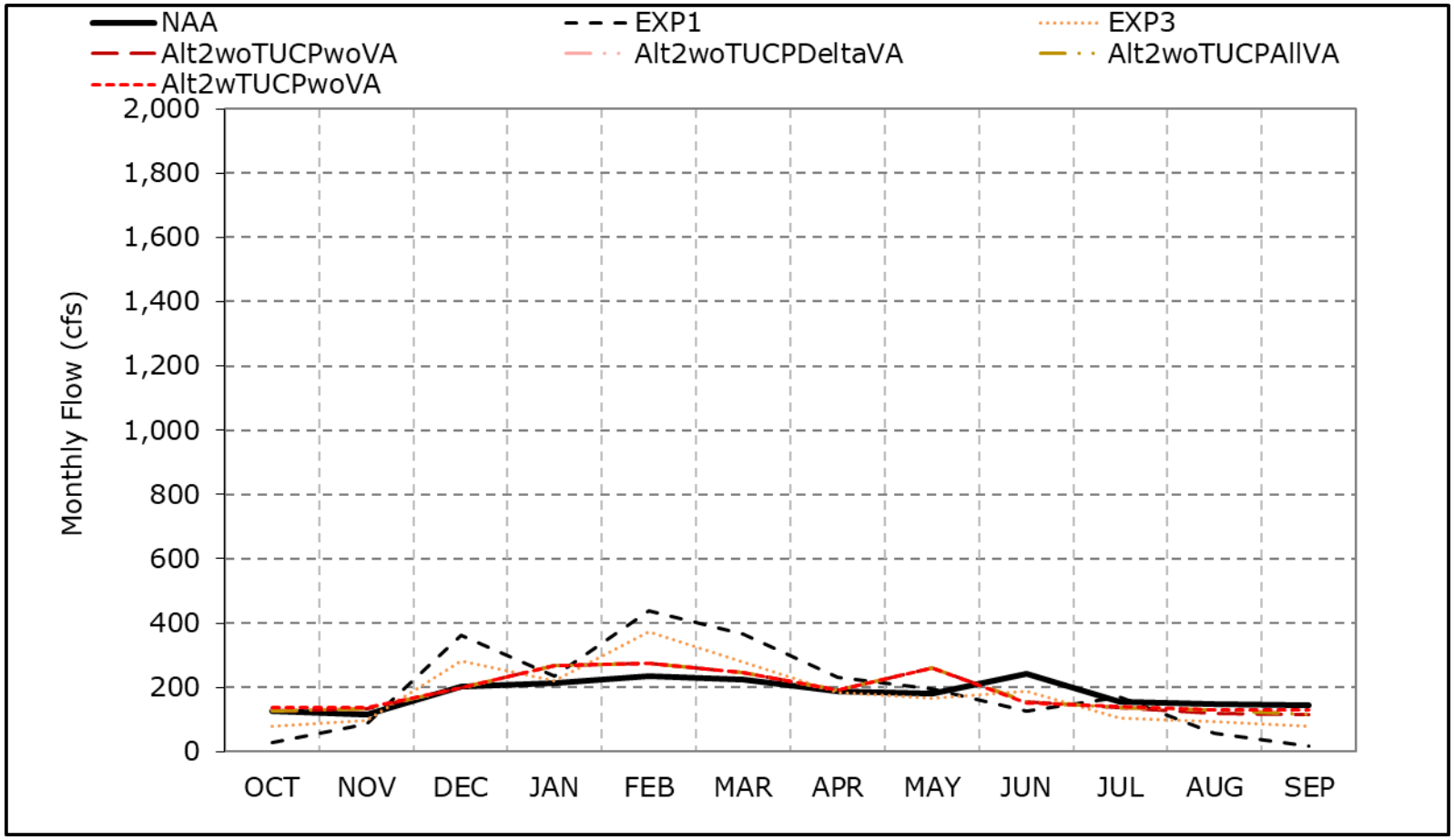
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



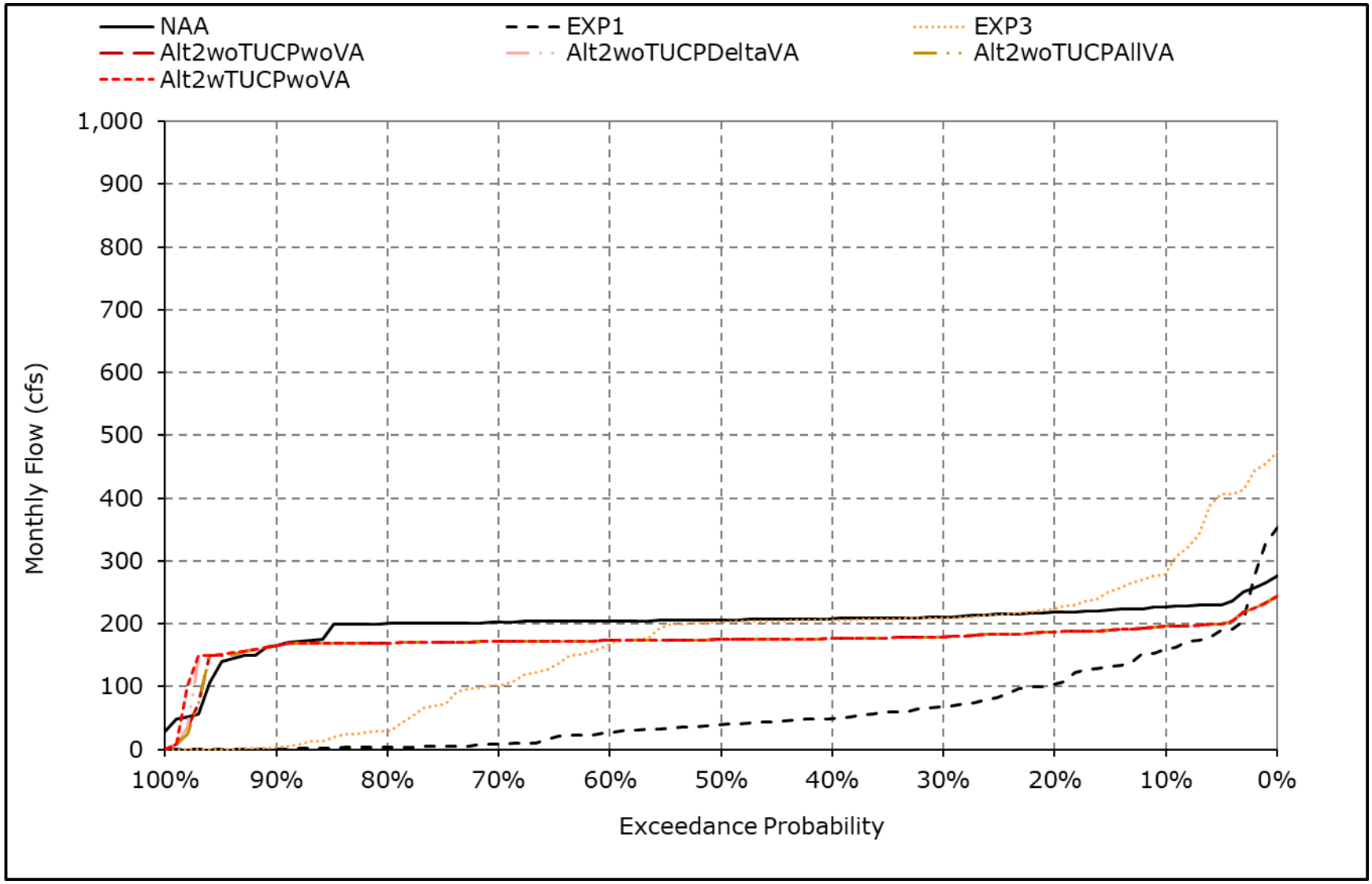
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



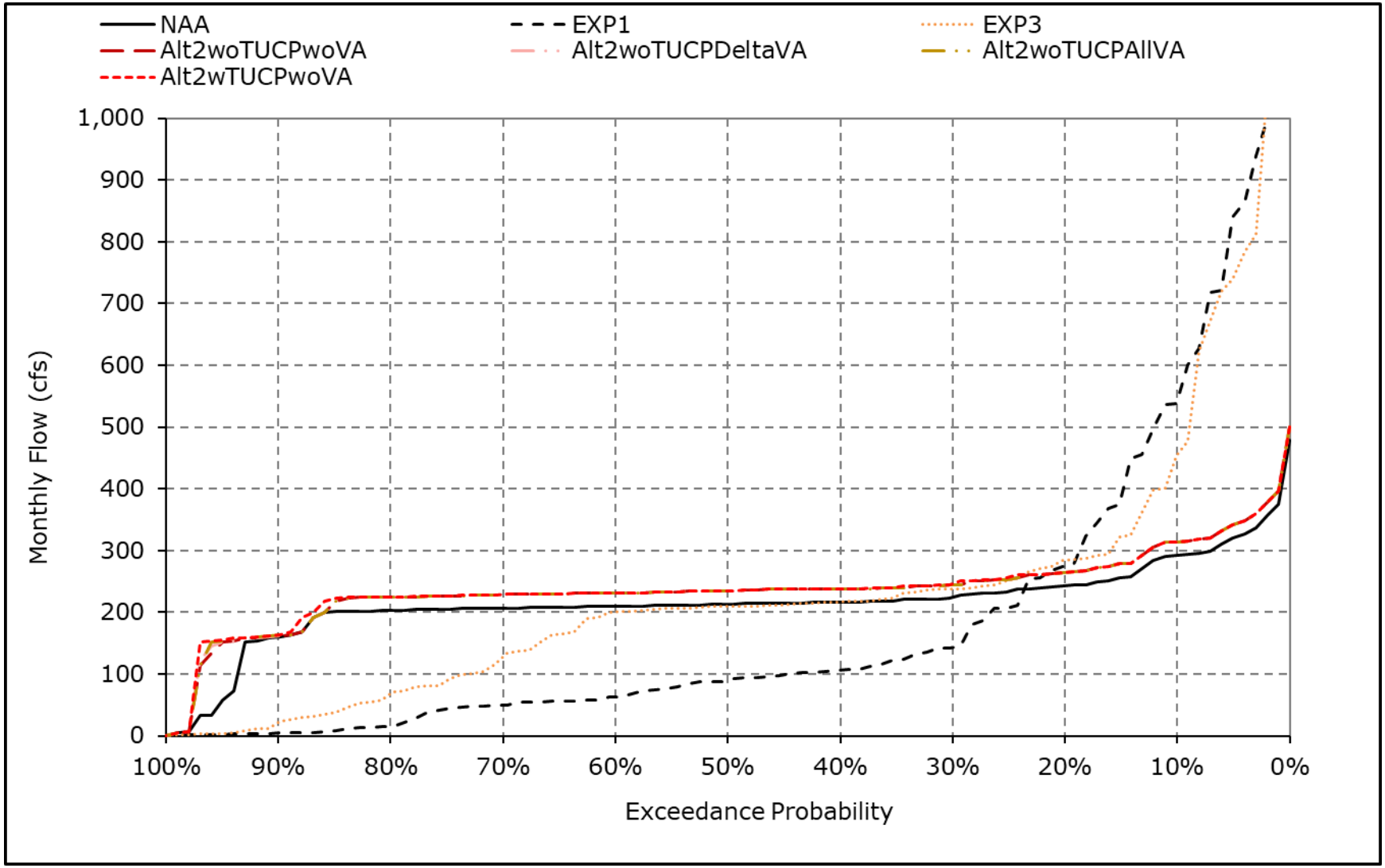
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



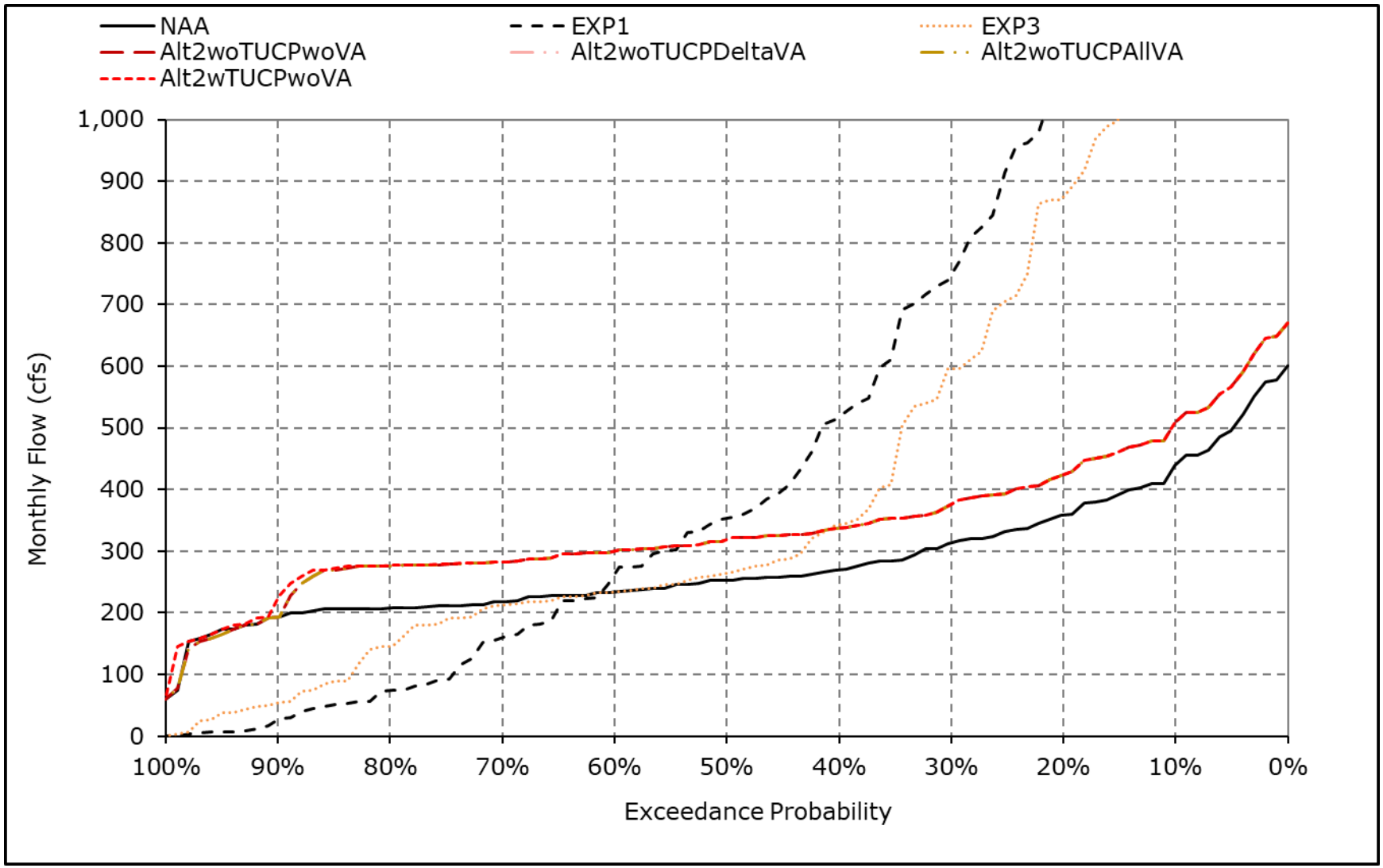
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



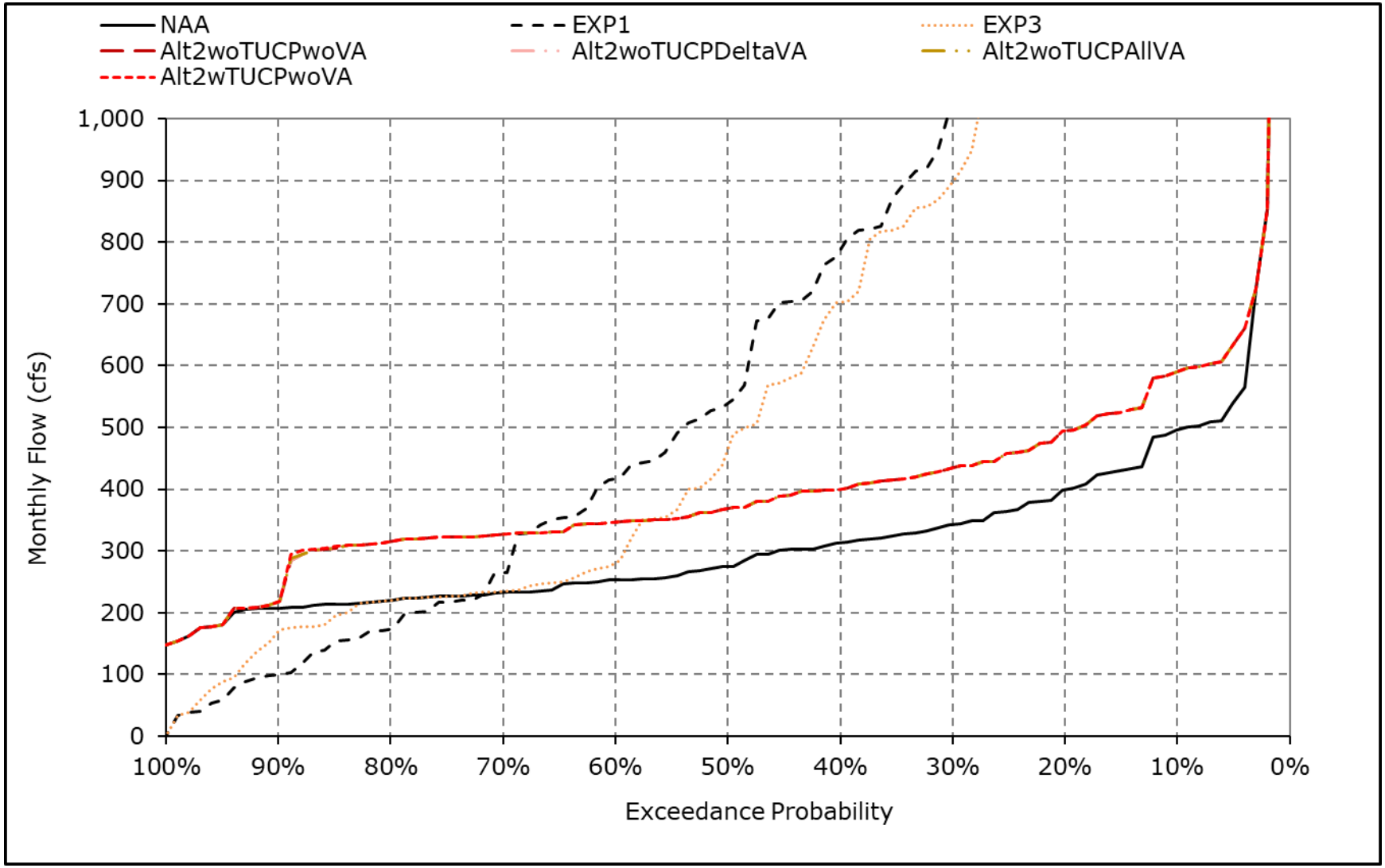
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



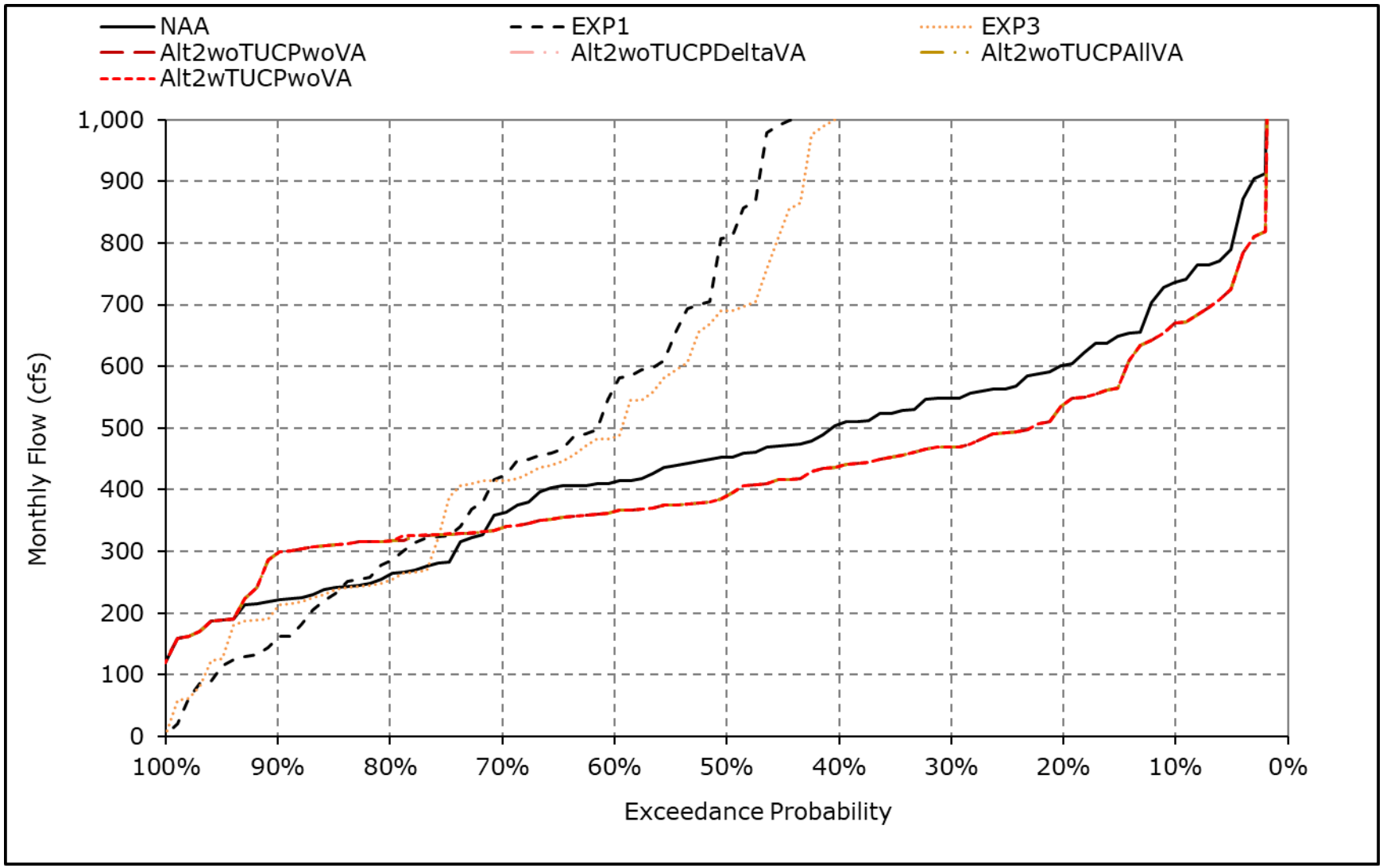
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



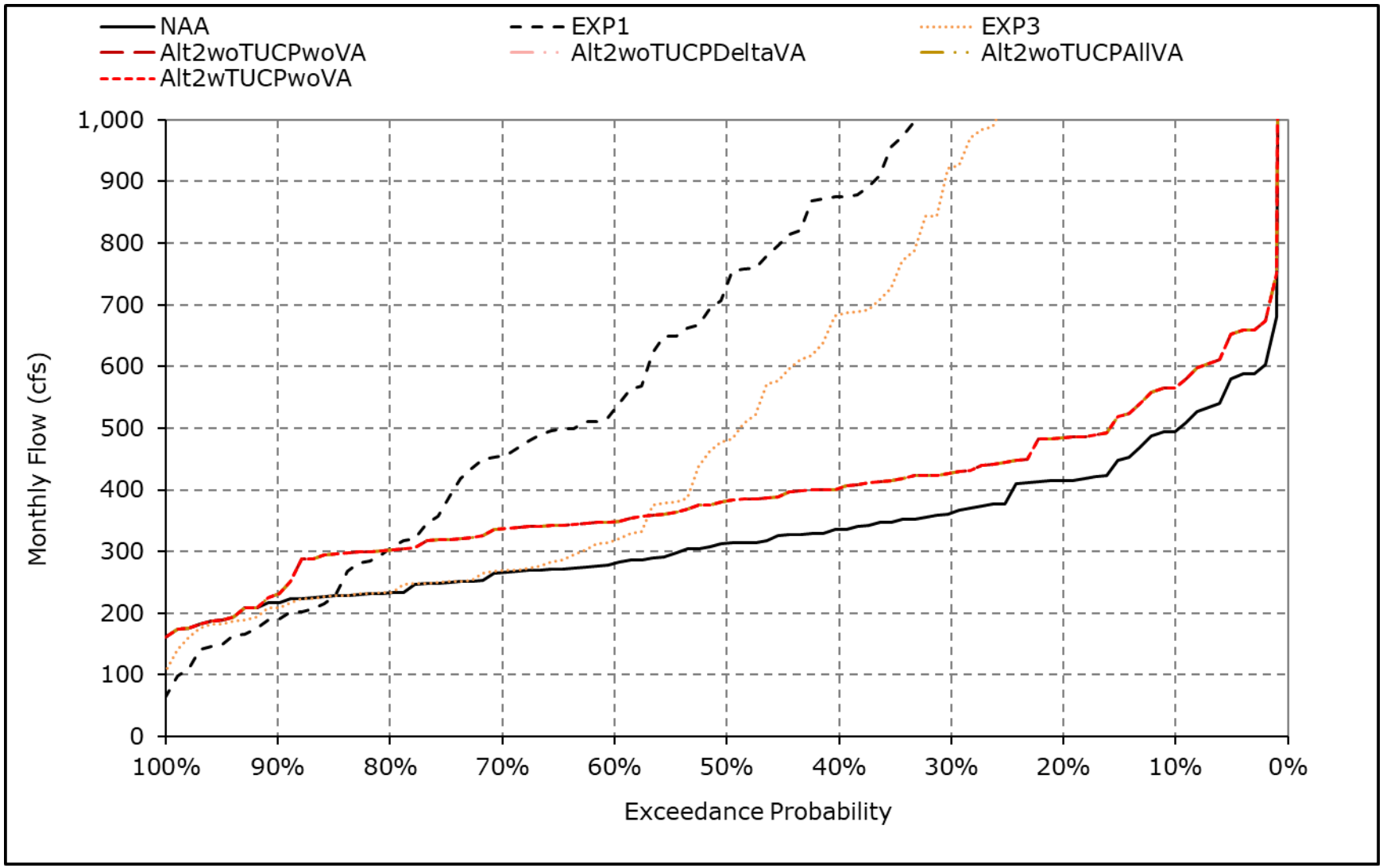
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



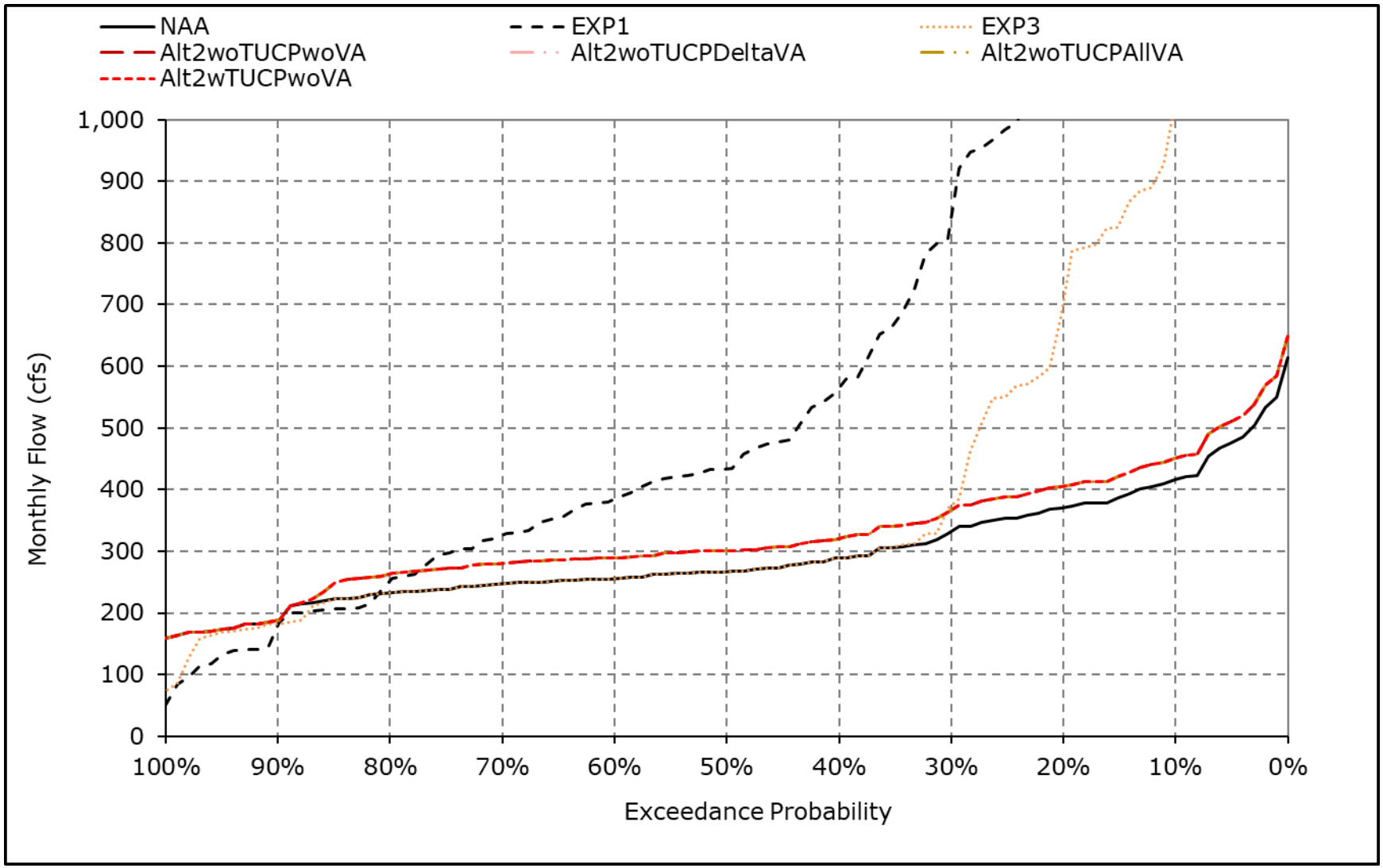
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



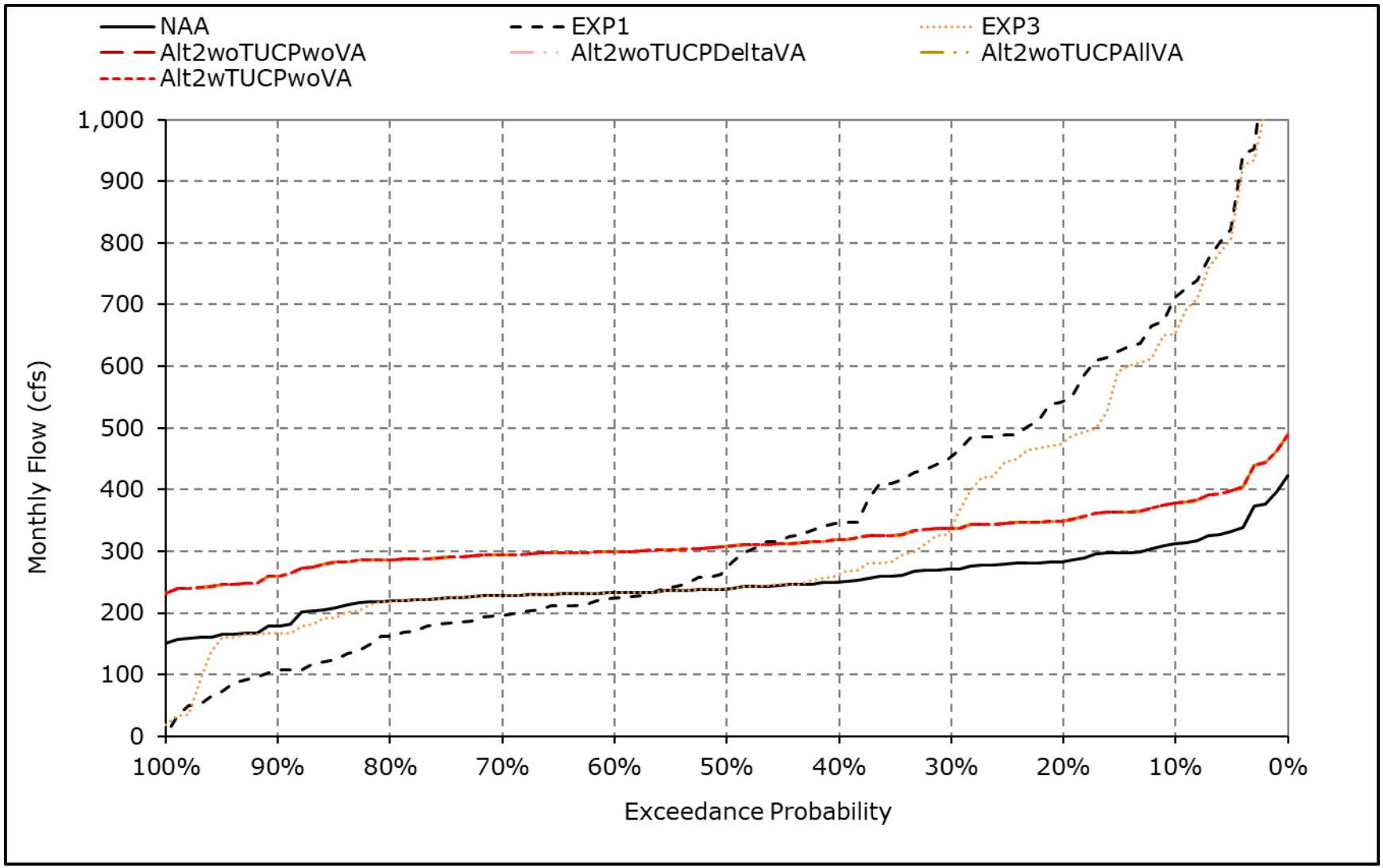
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



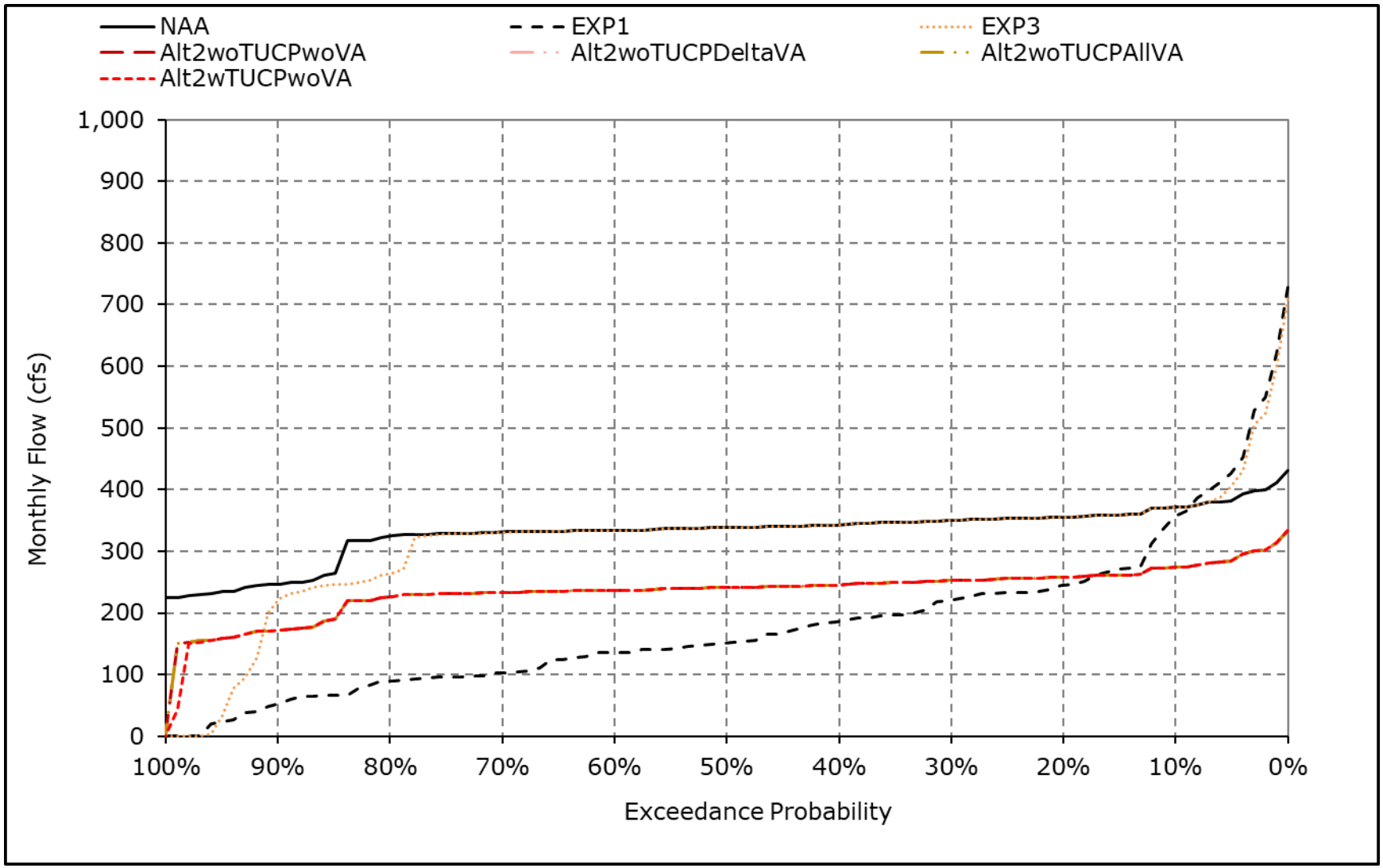
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



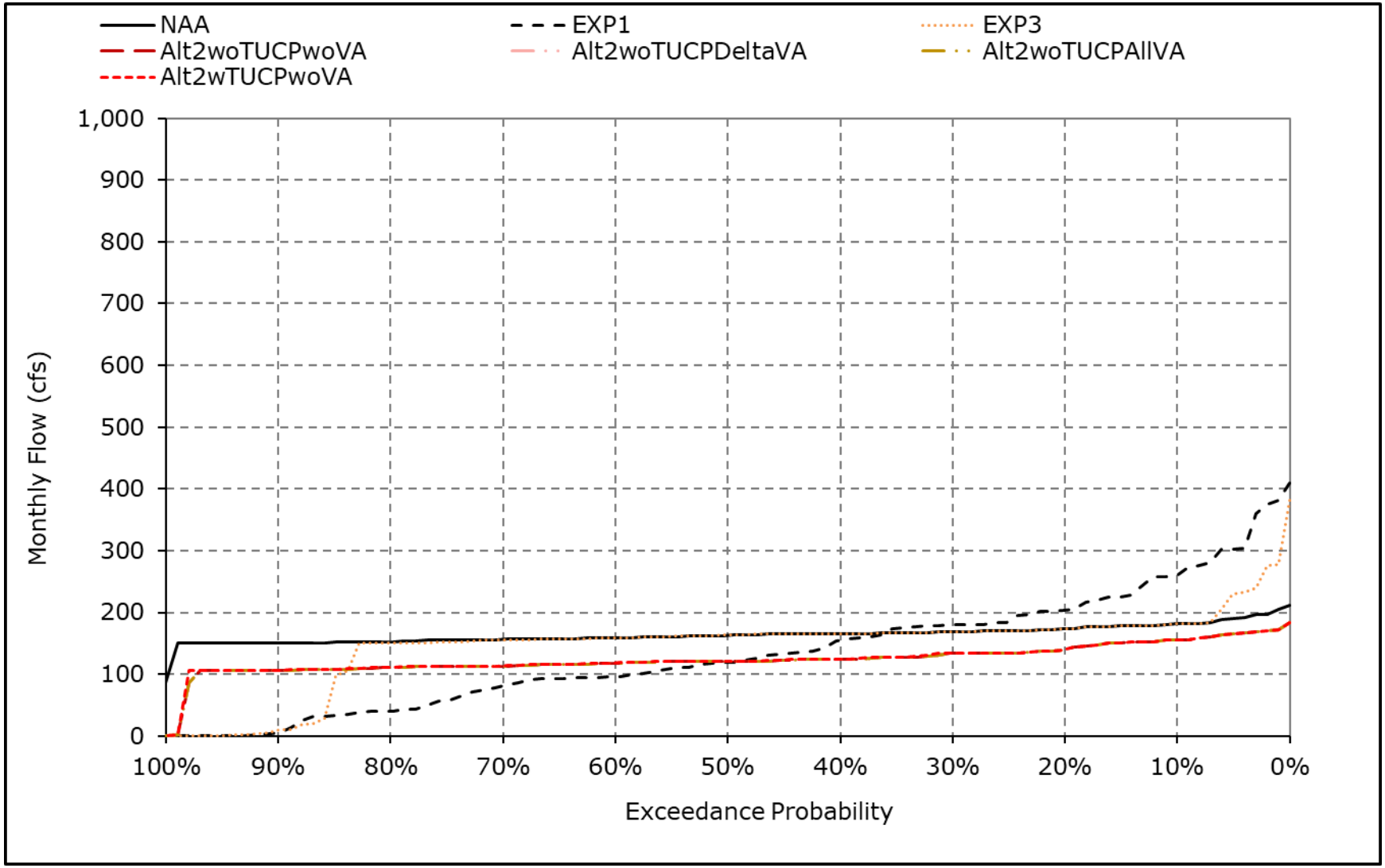
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



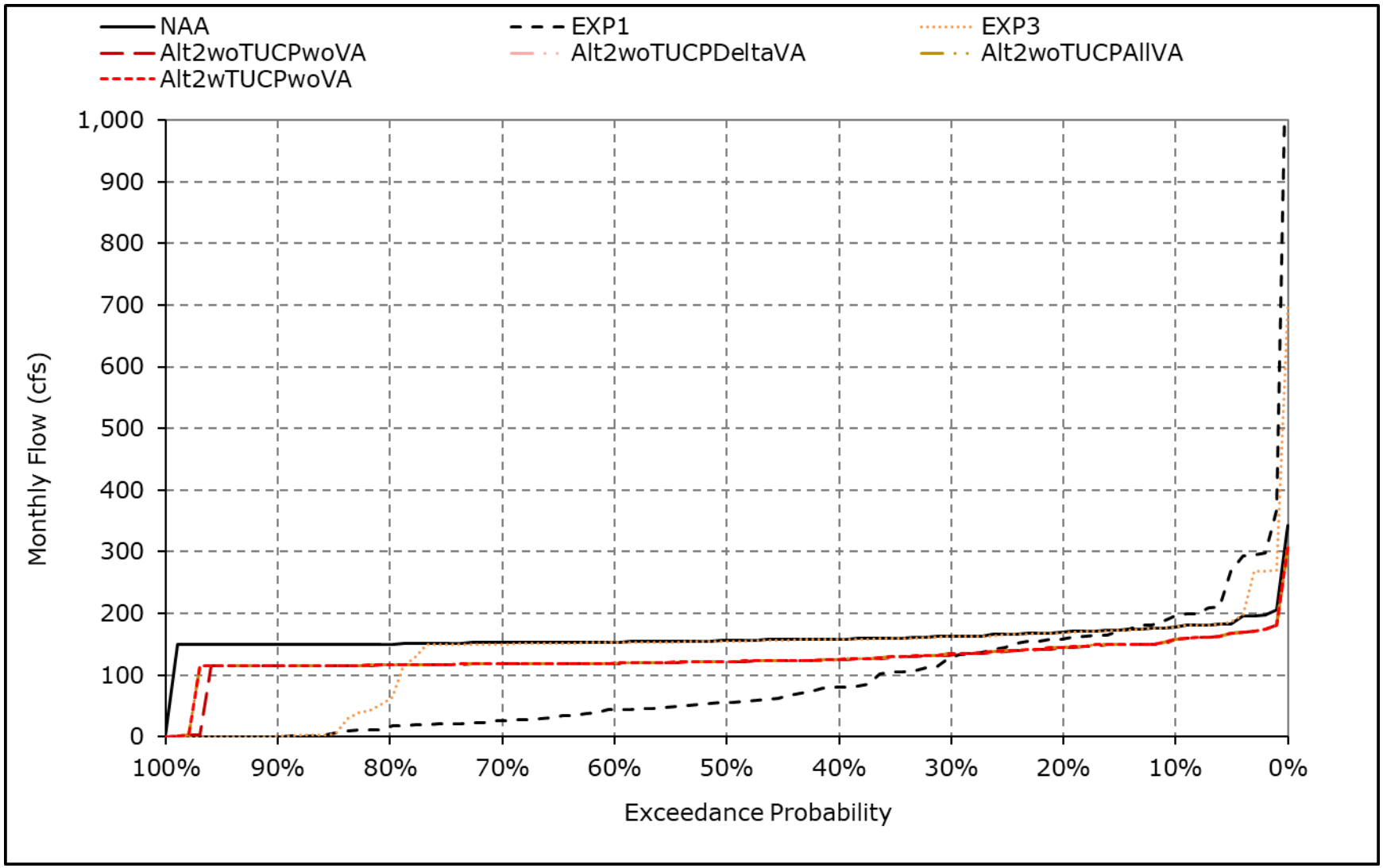
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-2-16. Clear Creek below Whiskeytown Dam Flow, July



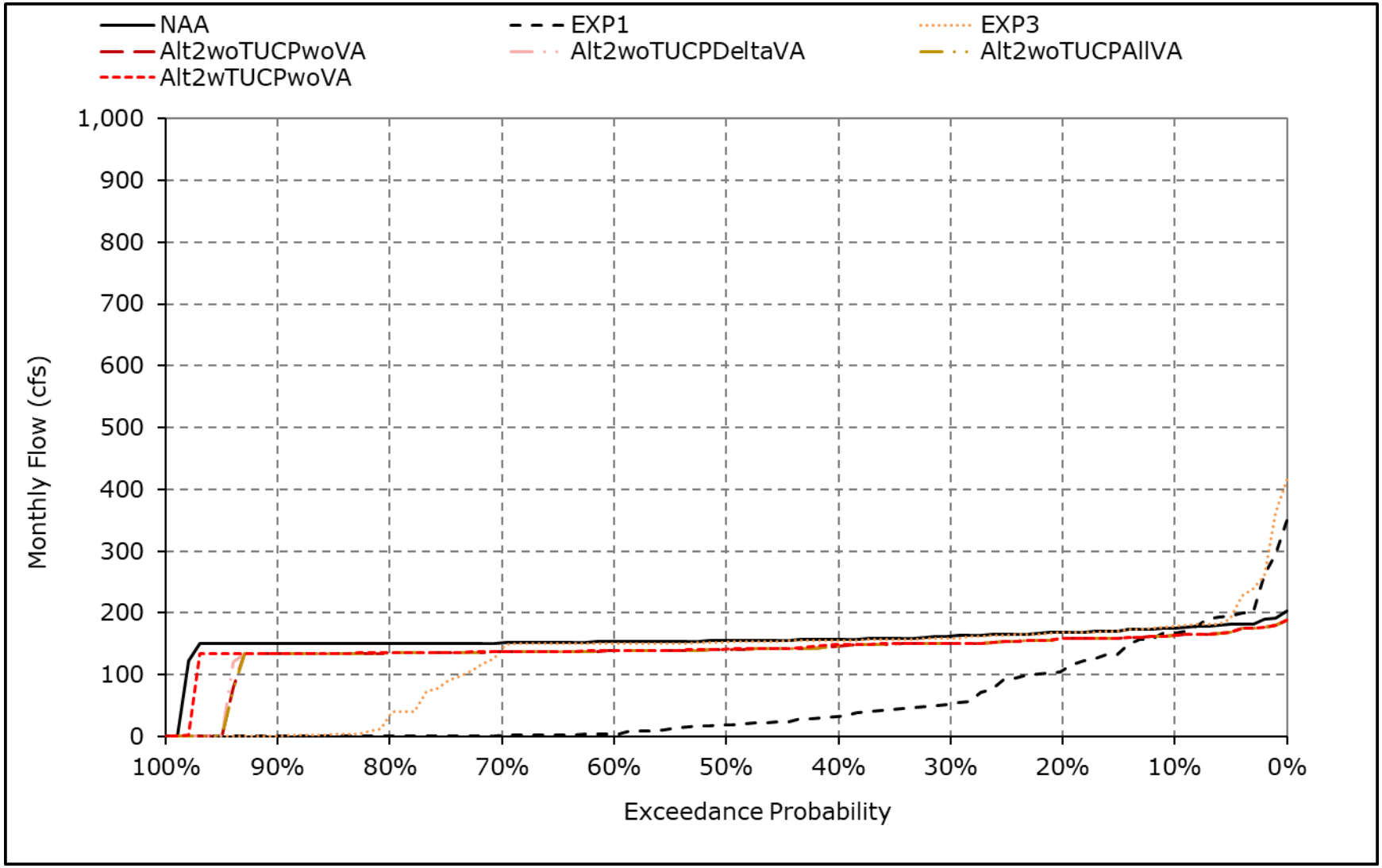
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-2-17. Clear Creek below Whiskeytown Dam Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-2-18. Clear Creek below Whiskeytown Dam Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-3-1a. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

Table F.2.2-3-1b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,755	17,932	20,450	32,029	16,010	9,523	9,788	12,770	16,000	12,420	9,828
20% Exceedance	7,613	7,046	9,509	13,342	21,066	12,597	7,994	9,257	11,574	15,962	11,253	8,971
30% Exceedance	7,053	6,408	5,896	8,218	10,277	8,592	7,156	8,617	10,978	14,986	10,289	8,235
40% Exceedance	6,150	6,119	5,005	4,519	6,930	4,658	6,133	8,253	10,430	14,139	9,883	7,049
50% Exceedance	5,504	5,516	4,188	3,250	3,740	3,951	5,583	7,799	9,285	13,222	9,488	6,455
60% Exceedance	5,155	5,069	3,266	3,250	3,250	3,250	4,830	6,896	8,555	12,125	9,219	5,750
70% Exceedance	4,827	4,794	3,250	3,250	3,250	3,250	3,873	6,567	8,330	11,274	8,802	5,553
80% Exceedance	4,490	4,382	3,250	3,250	3,250	3,250	3,250	5,872	7,786	10,617	8,048	5,172
90% Exceedance	3,975	3,379	3,250	3,250	3,250	3,250	3,250	4,883	7,435	9,520	7,493	4,655
Full Simulation Period Average[a]	5,931	5,898	7,222	8,795	11,913	8,303	6,432	7,676	9,713	12,976	9,616	6,896
Wet Water Years (28%)	7,507	6,645	8,796	18,022	24,183	15,898	9,235	7,357	8,777	13,423	10,318	9,090
Above Normal Water Years (14%)	6,920	7,226	5,427	9,938	16,114	9,265	5,394	7,853	10,190	15,238	10,814	8,724
Below Normal Water Years (18%)	5,373	5,444	7,769	4,963	5,638	5,076	5,384	9,138	10,467	13,686	10,468	5,815
Dry Water Years (24%)	4,880	5,071	8,481	3,627	4,875	4,177	5,588	7,708	10,686	12,638	9,141	5,609
Critical Water Years (16%)	4,350	5,041	3,411	3,706	4,381	3,987	4,878	6,388	8,629	9,921	7,091	4,601

Table F.2.2-3-1c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	276	245	-14	870	88	-1,980	-132	-370	-413	0	-147	162
20% Exceedance	58	23	1,053	-656	901	-398	117	82	-371	-38	-20	210
30% Exceedance	114	219	-209	-95	487	-124	374	-152	-207	-329	-336	113
40% Exceedance	103	282	207	621	929	189	329	-57	-15	-270	-25	-119
50% Exceedance	218	278	510	0	3	193	385	-105	69	-478	-21	477
60% Exceedance	5	48	7	0	0	0	328	-538	15	-932	61	-8
70% Exceedance	-54	91	0	0	0	0	573	-320	102	-470	194	8
80% Exceedance	7	556	0	0	0	0	0	-497	28	-370	-261	-38
90% Exceedance	391	115	0	0	0	0	0	-306	-39	115	-85	-235
Full Simulation Period Average[a]	62	223	155	161	202	-49	152	-223	-149	-331	-189	-14
Wet Water Years (28%)	54	71	36	305	255	-71	-30	-1	58	-185	-53	-87
Above Normal Water Years (14%)	363	9	20	-73	39	-733	-33	-72	93	-314	-192	154
Below Normal Water Years (18%)	-152	433	73	51	360	64	59	-170	58	-473	-302	208
Dry Water Years (24%)	71	46	489	228	181	40	-4	-342	-264	-500	35	85
Critical Water Years (16%)	18	753	77	139	103	325	973	-625	-786	-188	-632	-429

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-2a. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

Table F.2.2-3-2b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,620	7,891	17,929	20,655	32,029	16,010	9,548	9,700	12,823	16,000	12,465	9,868
20% Exceedance	7,721	7,378	9,334	13,342	21,325	13,218	7,654	9,110	11,454	16,000	11,238	9,007
30% Exceedance	6,990	6,403	6,096	8,218	10,553	8,591	7,111	8,692	11,089	15,054	10,335	8,182
40% Exceedance	6,220	5,841	4,710	4,408	6,348	4,640	5,876	8,225	10,386	14,303	9,910	7,073
50% Exceedance	5,692	5,583	4,147	3,250	3,490	3,768	5,676	7,641	9,342	13,328	9,617	6,271
60% Exceedance	5,160	5,216	3,268	3,250	3,250	3,250	4,995	6,907	8,552	12,280	9,382	5,735
70% Exceedance	4,839	4,896	3,250	3,250	3,250	3,250	4,107	6,667	8,298	11,344	8,671	5,526
80% Exceedance	4,492	4,421	3,250	3,250	3,250	3,250	3,250	5,860	7,779	10,837	8,092	5,163
90% Exceedance	4,000	3,378	3,250	3,250	3,250	3,250	3,250	4,852	7,350	9,447	7,348	4,464
Full Simulation Period Average[a]	5,966	5,925	7,226	8,725	11,881	8,331	6,402	7,680	9,706	13,036	9,628	6,862
Wet Water Years (28%)	7,508	6,731	8,739	17,996	24,197	15,889	9,236	7,340	8,788	13,419	10,366	9,092
Above Normal Water Years (14%)	6,972	7,391	5,411	9,988	16,112	9,615	5,378	7,882	10,089	15,290	10,873	8,745
Below Normal Water Years (18%)	5,448	5,456	7,872	4,929	5,677	5,071	5,193	9,138	10,465	13,700	10,465	5,792
Dry Water Years (24%)	4,886	5,033	8,530	3,485	4,852	4,105	5,513	7,724	10,681	12,810	9,152	5,539
Critical Water Years (16%)	4,433	4,943	3,358	3,526	4,145	3,986	5,033	6,396	8,664	9,987	7,019	4,498

Table F.2.2-3-2c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	260	382	-16	1,075	88	-1,980	-107	-458	-359	0	-102	202
20% Exceedance	166	355	878	-656	1,159	222	-224	-65	-492	0	-36	246
30% Exceedance	51	214	-9	-95	763	-125	329	-78	-96	-261	-290	60
40% Exceedance	173	4	-87	511	348	170	71	-84	-60	-106	2	-95
50% Exceedance	406	345	469	0	-246	11	478	-263	126	-373	108	292
60% Exceedance	10	195	9	0	0	0	492	-527	12	-777	224	-23
70% Exceedance	-43	193	0	0	0	0	807	-221	71	-400	63	-19
80% Exceedance	8	595	0	0	0	0	0	-509	21	-150	-217	-47
90% Exceedance	416	113	0	0	0	0	0	-338	-124	42	-230	-426
Full Simulation Period Average[a]	97	250	159	92	169	-21	123	-219	-157	-270	-177	-47
Wet Water Years (28%)	55	156	-22	278	269	-80	-29	-18	69	-189	-5	-85
Above Normal Water Years (14%)	415	174	5	-23	37	-383	-49	-44	-9	-263	-132	175
Below Normal Water Years (18%)	-78	445	176	18	399	59	-133	-170	56	-459	-306	184
Dry Water Years (24%)	76	7	539	86	159	-32	-79	-327	-269	-328	46	15
Critical Water Years (16%)	100	655	23	-42	-132	324	1,128	-617	-751	-122	-705	-531

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-3a. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

Table F.2.2-3-3b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,473	8,017	17,912	20,641	32,029	16,011	9,978	9,787	12,337	15,793	12,289	9,964
20% Exceedance	7,588	7,446	9,441	13,487	21,906	13,257	8,129	9,153	11,140	15,586	11,115	8,965
30% Exceedance	6,948	6,564	6,046	8,218	10,276	8,573	7,168	8,645	10,468	14,776	10,249	8,208
40% Exceedance	6,293	6,024	4,807	4,086	6,586	4,623	6,522	8,188	9,811	14,239	9,925	7,140
50% Exceedance	5,651	5,542	4,010	3,250	3,785	3,810	5,771	7,839	8,915	13,106	9,527	6,409
60% Exceedance	5,116	5,181	3,269	3,250	3,250	3,250	4,977	7,005	8,330	12,146	9,150	5,771
70% Exceedance	4,788	4,862	3,250	3,250	3,250	3,250	4,301	6,551	8,041	11,245	8,636	5,531
80% Exceedance	4,493	4,318	3,250	3,250	3,250	3,250	3,998	5,853	7,755	10,731	8,065	5,163
90% Exceedance	4,000	3,432	3,250	3,250	3,250	3,250	3,250	4,865	7,048	9,397	7,423	4,662
Full Simulation Period Average[a]	5,955	5,970	7,269	8,735	11,983	8,344	6,678	7,699	9,360	12,886	9,548	6,914
Wet Water Years (28%)	7,468	6,734	8,746	18,032	24,222	15,894	9,326	7,354	8,700	13,397	10,348	9,125
Above Normal Water Years (14%)	6,837	7,434	5,430	10,092	16,208	9,672	6,068	8,058	9,388	15,086	10,651	8,805
Below Normal Water Years (18%)	5,601	5,394	7,880	4,937	5,761	5,067	5,899	9,274	9,763	13,450	10,247	5,950
Dry Water Years (24%)	4,859	5,263	8,693	3,485	5,088	4,121	5,529	7,440	10,311	12,522	9,073	5,559
Critical Water Years (16%)	4,427	4,905	3,340	3,425	4,214	3,989	5,176	6,604	8,613	9,978	7,112	4,509

Table F.2.2-3-3c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	112	507	-33	1,061	88	-1,978	323	-371	-846	-207	-278	298
20% Exceedance	33	423	984	-511	1,740	261	251	-22	-805	-414	-158	204
30% Exceedance	9	375	-59	-95	486	-143	386	-125	-717	-539	-376	86
40% Exceedance	246	188	10	189	586	153	717	-122	-635	-170	17	-28
50% Exceedance	365	304	332	0	49	53	572	-65	-301	-594	18	431
60% Exceedance	-33	159	10	0	0	0	475	-429	-210	-911	-7	14
70% Exceedance	-94	158	0	0	0	0	1,001	-337	-187	-499	28	-15
80% Exceedance	9	493	0	0	0	0	748	-516	-3	-255	-245	-47
90% Exceedance	416	167	0	0	0	0	0	-324	-426	-7	-156	-228
Full Simulation Period Average[a]	86	296	202	102	272	-8	399	-201	-503	-421	-256	5
Wet Water Years (28%)	15	159	-15	315	293	-74	61	-4	-20	-210	-24	-52
Above Normal Water Years (14%)	279	217	24	80	133	-326	641	132	-710	-467	-355	234
Below Normal Water Years (18%)	76	383	184	25	483	55	574	-34	-646	-710	-523	342
Dry Water Years (24%)	49	238	702	86	394	-17	-63	-611	-638	-616	-33	34
Critical Water Years (16%)	94	617	5	-142	-63	327	1,271	-408	-802	-130	-611	-520

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-4a. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

Table F.2.2-3-4b. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,766	17,932	23,587	32,029	18,011	9,517	9,787	12,774	16,000	12,431	9,781
20% Exceedance	7,618	7,007	9,526	13,342	21,085	12,867	7,999	8,992	11,574	15,957	11,247	8,941
30% Exceedance	7,048	6,392	5,873	8,229	10,284	8,592	7,070	8,542	10,928	14,971	10,282	8,238
40% Exceedance	6,149	6,045	5,009	4,992	6,385	4,470	5,873	8,240	10,161	14,127	9,882	7,118
50% Exceedance	5,611	5,545	4,208	3,250	3,476	3,650	5,300	7,798	9,150	13,163	9,604	6,499
60% Exceedance	5,152	5,132	3,316	3,250	3,250	3,250	4,401	6,895	8,540	11,938	9,245	5,753
70% Exceedance	4,923	4,838	3,250	3,250	3,250	3,250	3,512	6,580	8,262	11,194	8,756	5,587
80% Exceedance	4,606	4,474	3,250	3,250	3,250	3,250	3,250	5,936	7,877	10,534	8,101	5,228
90% Exceedance	4,051	3,373	3,250	3,250	3,250	3,250	3,250	4,914	7,181	9,001	7,278	4,840
Full Simulation Period Average[a]	5,989	5,902	7,223	8,896	11,900	8,320	6,309	7,664	9,680	12,813	9,640	6,960
Wet Water Years (28%)	7,508	6,637	8,801	18,124	24,183	15,899	9,235	7,354	8,773	13,413	10,314	9,083
Above Normal Water Years (14%)	6,923	7,227	5,430	10,247	16,205	10,026	5,394	7,849	10,188	15,237	10,859	8,717
Below Normal Water Years (18%)	5,405	5,434	7,770	4,964	5,639	5,077	5,384	9,284	10,509	13,797	10,628	5,923
Dry Water Years (24%)	4,883	5,072	8,486	3,615	4,998	4,168	5,613	7,719	10,675	12,593	9,150	5,613
Critical Water Years (16%)	4,691	5,098	3,390	3,911	4,034	3,442	4,074	6,139	8,399	8,863	7,020	4,892

Table F.2.2-3-4c. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	276	257	-14	4,007	88	21	-137	-371	-409	0	-137	114
20% Exceedance	63	-16	1,069	-656	919	-129	122	-183	-372	-43	-27	181
30% Exceedance	109	203	-232	-85	494	-124	288	-227	-257	-344	-343	116
40% Exceedance	102	209	212	1,095	385	0	68	-70	-285	-282	-26	-50
50% Exceedance	325	306	530	0	-260	-108	102	-106	-66	-537	95	521
60% Exceedance	2	111	57	0	0	0	-101	-538	0	-1,119	88	-4
70% Exceedance	42	135	0	0	0	0	212	-308	35	-550	148	41
80% Exceedance	122	648	0	0	0	0	0	-433	120	-453	-208	19
90% Exceedance	467	108	0	0	0	0	0	-276	-293	-404	-301	-50
Full Simulation Period Average[a]	120	228	155	263	189	-32	29	-235	-183	-494	-164	50
Wet Water Years (28%)	55	62	40	407	255	-70	-30	-4	53	-194	-57	-94
Above Normal Water Years (14%)	365	10	24	235	131	27	-33	-76	90	-316	-146	146
Below Normal Water Years (18%)	-120	423	74	52	361	65	59	-24	100	-362	-143	315
Dry Water Years (24%)	74	46	495	216	305	31	21	-331	-274	-545	44	88
Critical Water Years (16%)	359	809	56	343	-244	-220	169	-874	-1,016	-1,246	-703	-138

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-5a. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

Table F.2.2-3-5b. Sacramento River Flow downstream of Keswick Reservoir, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,087	4,895	28,368	24,205	32,702	19,582	9,191	8,558	8,528	9,347	7,796	5,642
20% Exceedance	4,962	4,736	22,612	14,696	21,502	13,389	5,936	7,770	8,183	9,139	7,545	5,468
30% Exceedance	4,819	4,430	19,240	9,389	11,504	8,134	4,414	7,314	7,997	9,065	7,473	5,383
40% Exceedance	4,567	4,060	17,852	5,021	6,545	4,407	3,802	6,892	7,759	8,865	7,264	5,287
50% Exceedance	4,325	3,814	13,604	3,250	3,250	3,250	3,257	6,666	7,540	8,728	7,112	5,106
60% Exceedance	4,041	3,466	7,589	3,250	3,250	3,250	3,250	6,470	7,338	8,563	7,012	5,011
70% Exceedance	3,834	3,250	3,556	3,250	3,250	3,250	3,250	5,856	7,027	8,308	6,787	4,813
80% Exceedance	3,441	3,250	3,250	3,250	3,250	3,250	3,250	5,479	6,489	8,146	6,686	4,529
90% Exceedance	3,250	3,250	3,250	3,250	3,250	3,250	3,250	4,569	5,991	7,555	6,337	4,242
Full Simulation Period Average[a]	4,258	4,120	14,465	8,895	11,751	8,318	5,341	6,797	7,416	8,576	7,090	5,011
Wet Water Years (28%)	4,040	4,189	21,161	17,996	23,547	15,076	8,719	6,281	6,527	7,929	6,823	4,702
Above Normal Water Years (14%)	3,943	4,302	15,743	10,596	16,625	10,193	4,517	6,470	7,367	8,659	6,917	4,989
Below Normal Water Years (18%)	4,176	3,822	14,044	5,522	5,701	5,255	3,869	7,748	7,715	8,811	7,285	5,034
Dry Water Years (24%)	4,371	3,954	13,126	3,448	5,350	4,942	4,056	6,849	8,037	9,022	7,361	5,176
Critical Water Years (16%)	4,898	4,431	3,334	3,443	3,250	3,364	3,732	6,841	7,750	8,703	7,081	5,296

Table F.2.2-3-5c. Sacramento River Flow downstream of Keswick Reservoir, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3,273	-2,614	10,423	4,625	761	1,592	-464	-1,600	-4,654	-6,653	-4,772	-4,024
20% Exceedance	-2,593	-2,287	14,155	698	1,336	394	-1,942	-1,405	-3,763	-6,861	-3,728	-3,292
30% Exceedance	-2,120	-1,759	13,135	1,075	1,714	-583	-2,368	-1,456	-3,188	-6,250	-3,152	-2,739
40% Exceedance	-1,480	-1,777	13,054	1,123	545	-63	-2,003	-1,417	-2,686	-5,544	-2,644	-1,881
50% Exceedance	-961	-1,424	9,926	0	-487	-508	-1,942	-1,237	-1,676	-4,972	-2,398	-873
60% Exceedance	-1,109	-1,555	4,330	0	0	0	-1,252	-963	-1,202	-4,494	-2,146	-747
70% Exceedance	-1,048	-1,454	306	0	0	0	-49	-1,032	-1,201	-3,436	-1,821	-732
80% Exceedance	-1,043	-576	0	0	0	0	0	-890	-1,269	-2,841	-1,623	-681
90% Exceedance	-334	-14	0	0	0	0	0	-620	-1,483	-1,850	-1,241	-648
Full Simulation Period Average[a]	-1,611	-1,555	7,398	262	39	-34	-939	-1,102	-2,446	-4,730	-2,715	-1,899
Wet Water Years (28%)	-3,413	-2,386	12,401	279	-382	-893	-546	-1,077	-2,192	-5,678	-3,548	-4,475
Above Normal Water Years (14%)	-2,614	-2,915	10,337	584	550	194	-910	-1,455	-2,731	-6,894	-4,088	-3,581
Below Normal Water Years (18%)	-1,350	-1,189	6,348	611	422	242	-1,456	-1,560	-2,693	-5,349	-3,485	-573
Dry Water Years (24%)	-438	-1,071	5,134	49	657	805	-1,536	-1,201	-2,913	-4,116	-1,745	-349
Critical Water Years (16%)	566	143	0	-125	-1,027	-298	-173	-172	-1,665	-1,406	-642	266

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-6a. Sacramento River Flow downstream of Keswick Reservoir, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,981	9,003	20,763	26,112	29,440	23,572	19,740	11,619	6,756	5,050	4,132	4,086
20% Exceedance	4,403	6,865	16,927	18,077	24,079	18,821	14,838	9,569	5,573	4,798	3,917	3,838
30% Exceedance	4,132	5,665	11,990	14,784	17,562	15,693	13,096	8,090	5,088	4,539	3,750	3,669
40% Exceedance	3,928	4,869	9,011	12,357	15,038	13,921	10,040	6,736	4,702	4,420	3,539	3,413
50% Exceedance	3,670	4,238	6,843	10,389	12,037	11,734	8,749	6,271	4,413	4,320	3,399	2,856
60% Exceedance	3,509	3,917	6,046	7,743	10,038	10,063	7,319	5,468	4,177	4,152	3,222	1,879
70% Exceedance	3,239	3,736	5,198	6,151	9,058	9,068	6,961	5,063	3,971	3,904	2,973	1,730
80% Exceedance	2,550	3,503	4,289	5,312	6,156	7,705	6,364	4,560	3,627	3,741	2,816	1,622
90% Exceedance	2,121	2,976	3,653	4,530	5,291	5,874	5,213	4,088	3,408	3,561	2,590	1,392
Full Simulation Period Average[a]	3,751	5,443	10,092	12,652	15,301	13,567	10,715	7,093	4,764	4,245	3,385	2,728
Wet Water Years (28%)	4,197	5,989	10,100	21,176	24,515	19,826	16,555	9,714	5,881	4,300	3,874	3,904
Above Normal Water Years (14%)	3,987	5,912	9,864	16,596	19,445	16,061	11,811	7,523	4,922	3,953	3,692	3,355
Below Normal Water Years (18%)	3,520	5,412	11,281	10,472	10,833	11,782	9,612	6,486	4,375	4,436	3,349	2,508
Dry Water Years (24%)	4,144	5,618	11,109	6,861	11,149	10,617	7,870	5,781	4,359	4,461	3,156	1,757
Critical Water Years (16%)	2,329	3,713	7,249	5,424	6,807	6,866	5,045	4,777	3,713	3,866	2,645	1,828

Table F.2.2-3-6b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,755	17,932	20,450	32,029	16,010	9,523	9,788	12,770	16,000	12,420	9,828
20% Exceedance	7,613	7,046	9,509	13,342	21,066	12,597	7,994	9,257	11,574	15,962	11,253	8,971
30% Exceedance	7,053	6,408	5,896	8,218	10,277	8,592	7,156	8,617	10,978	14,986	10,289	8,235
40% Exceedance	6,150	6,119	5,005	4,519	6,930	4,658	6,133	8,253	10,430	14,139	9,883	7,049
50% Exceedance	5,504	5,516	4,188	3,250	3,740	3,951	5,583	7,799	9,285	13,222	9,488	6,455
60% Exceedance	5,155	5,069	3,266	3,250	3,250	3,250	4,830	6,896	8,555	12,125	9,219	5,750
70% Exceedance	4,827	4,794	3,250	3,250	3,250	3,250	3,873	6,567	8,330	11,274	8,802	5,553
80% Exceedance	4,490	4,382	3,250	3,250	3,250	3,250	3,250	5,872	7,786	10,617	8,048	5,172
90% Exceedance	3,975	3,379	3,250	3,250	3,250	3,250	3,250	4,883	7,435	9,520	7,493	4,655
Full Simulation Period Average[a]	5,931	5,898	7,222	8,795	11,913	8,303	6,432	7,676	9,713	12,976	9,616	6,896
Wet Water Years (28%)	7,507	6,645	8,796	18,022	24,183	15,898	9,235	7,357	8,777	13,423	10,318	9,090
Above Normal Water Years (14%)	6,920	7,226	5,427	9,938	16,114	9,265	5,394	7,853	10,190	15,238	10,814	8,724
Below Normal Water Years (18%)	5,373	5,444	7,769	4,963	5,638	5,076	5,384	9,138	10,467	13,686	10,468	5,815
Dry Water Years (24%)	4,880	5,071	8,481	3,627	4,875	4,177	5,588	7,708	10,686	12,638	9,141	5,609
Critical Water Years (16%)	4,350	5,041	3,411	3,706	4,381	3,987	4,878	6,388	8,629	9,921	7,091	4,601

Table F.2.2-3-6c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,655	-1,248	-2,831	-5,662	2,589	-7,563	-10,217	-1,831	6,014	10,950	8,288	5,743
20% Exceedance	3,210	181	-7,417	-4,735	-3,013	-6,224	-6,844	-312	6,001	11,164	7,337	5,133
30% Exceedance	2,921	743	-6,094	-6,566	-7,285	-7,101	-5,940	528	5,890	10,447	6,539	4,566
40% Exceedance	2,222	1,249	-4,007	-7,838	-8,109	-9,262	-3,907	1,517	5,728	9,719	6,345	3,636
50% Exceedance	1,833	1,278	-2,655	-7,139	-8,297	-7,783	-3,166	1,528	4,872	8,902	6,089	3,599
60% Exceedance	1,646	1,152	-2,780	-4,493	-6,788	-6,813	-2,489	1,428	4,378	7,974	5,997	3,871
70% Exceedance	1,589	1,058	-1,948	-2,901	-5,808	-5,818	-3,088	1,504	4,359	7,370	5,829	3,823
80% Exceedance	1,940	879	-1,039	-2,062	-2,906	-4,455	-3,114	1,312	4,159	6,876	5,232	3,550
90% Exceedance	1,854	403	-403	-1,280	-2,041	-2,624	-1,963	795	4,026	5,959	4,903	3,263
Full Simulation Period Average[a]	2,180	455	-2,870	-3,858	-3,389	-5,264	-4,283	584	4,950	8,731	6,231	4,167
Wet Water Years (28%)	3,310	656	-1,304	-3,153	-332	-3,928	-7,320	-2,357	2,896	9,123	6,445	5,186
Above Normal Water Years (14%)	2,933	1,314	-4,437	-6,658	-3,331	-6,796	-6,417	330	5,269	11,286	7,121	5,369
Below Normal Water Years (18%)	1,853	31	-3,513	-5,509	-5,195	-6,706	-4,228	2,651	6,092	9,250	7,119	3,307
Dry Water Years (24%)	735	-547	-2,628	-3,233	-6,275	-6,439	-2,282	1,927	6,326	8,177	5,984	3,852
Critical Water Years (16%)	2,021	1,328	-3,838	-1,718	-2,426	-2,879	-167	1,611	4,916	6,055	4,446	2,773

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-7a. Sacramento River Flow downstream of Keswick Reservoir, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,981	9,003	20,763	26,112	29,440	23,572	19,740	11,619	6,756	5,050	4,132	4,086
20% Exceedance	4,403	6,865	16,927	18,077	24,079	18,821	14,838	9,569	5,573	4,798	3,917	3,838
30% Exceedance	4,132	5,665	11,990	14,784	17,562	15,693	13,096	8,090	5,088	4,539	3,750	3,669
40% Exceedance	3,928	4,869	9,011	12,357	15,038	13,921	10,040	6,736	4,702	4,420	3,539	3,413
50% Exceedance	3,670	4,238	6,843	10,389	12,037	11,734	8,749	6,271	4,413	4,320	3,399	2,856
60% Exceedance	3,509	3,917	6,046	7,743	10,038	10,063	7,319	5,468	4,177	4,152	3,222	1,879
70% Exceedance	3,239	3,736	5,198	6,151	9,058	9,068	6,961	5,063	3,971	3,904	2,973	1,730
80% Exceedance	2,550	3,503	4,289	5,312	6,156	7,705	6,364	4,560	3,627	3,741	2,816	1,622
90% Exceedance	2,121	2,976	3,653	4,530	5,291	5,874	5,213	4,088	3,408	3,561	2,590	1,392
Full Simulation Period Average[a]	3,751	5,443	10,092	12,652	15,301	13,567	10,715	7,093	4,764	4,245	3,385	2,728
Wet Water Years (28%)	4,197	5,989	10,100	21,176	24,515	19,826	16,555	9,714	5,881	4,300	3,874	3,904
Above Normal Water Years (14%)	3,987	5,912	9,864	16,596	19,445	16,061	11,811	7,523	4,922	3,953	3,692	3,355
Below Normal Water Years (18%)	3,520	5,412	11,281	10,472	10,833	11,782	9,612	6,486	4,375	4,436	3,349	2,508
Dry Water Years (24%)	4,144	5,618	11,109	6,861	11,149	10,617	7,870	5,781	4,359	4,461	3,156	1,757
Critical Water Years (16%)	2,329	3,713	7,249	5,424	6,807	6,866	5,045	4,777	3,713	3,866	2,645	1,828

Table F.2.2-3-7b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,620	7,891	17,929	20,655	32,029	16,010	9,548	9,700	12,823	16,000	12,465	9,868
20% Exceedance	7,721	7,378	9,334	13,342	21,325	13,218	7,654	9,110	11,454	16,000	11,238	9,007
30% Exceedance	6,990	6,403	6,096	8,218	10,553	8,591	7,111	8,692	11,089	15,054	10,335	8,182
40% Exceedance	6,220	5,841	4,710	4,408	6,348	4,640	5,876	8,225	10,386	14,303	9,910	7,073
50% Exceedance	5,692	5,583	4,147	3,250	3,490	3,768	5,676	7,641	9,342	13,328	9,617	6,271
60% Exceedance	5,160	5,216	3,268	3,250	3,250	3,250	4,995	6,907	8,552	12,280	9,382	5,735
70% Exceedance	4,839	4,896	3,250	3,250	3,250	3,250	4,107	6,667	8,298	11,344	8,671	5,526
80% Exceedance	4,492	4,421	3,250	3,250	3,250	3,250	3,250	5,860	7,779	10,837	8,092	5,163
90% Exceedance	4,000	3,378	3,250	3,250	3,250	3,250	3,250	4,852	7,350	9,447	7,348	4,464
Full Simulation Period Average[a]	5,966	5,925	7,226	8,725	11,881	8,331	6,402	7,680	9,706	13,036	9,628	6,862
Wet Water Years (28%)	7,508	6,731	8,739	17,996	24,197	15,889	9,236	7,340	8,788	13,419	10,366	9,092
Above Normal Water Years (14%)	6,972	7,391	5,411	9,988	16,112	9,615	5,378	7,882	10,089	15,290	10,873	8,745
Below Normal Water Years (18%)	5,448	5,456	7,872	4,929	5,677	5,071	5,193	9,138	10,465	13,700	10,465	5,792
Dry Water Years (24%)	4,886	5,033	8,530	3,485	4,852	4,105	5,513	7,724	10,681	12,810	9,152	5,539
Critical Water Years (16%)	4,433	4,943	3,358	3,526	4,145	3,986	5,033	6,396	8,664	9,987	7,019	4,498

Table F.2.2-3-7c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,639	-1,112	-2,833	-5,457	2,589	-7,563	-10,192	-1,919	6,067	10,950	8,333	5,782
20% Exceedance	3,318	513	-7,592	-4,735	-2,754	-5,603	-7,184	-459	5,881	11,202	7,321	5,169
30% Exceedance	2,859	738	-5,894	-6,566	-7,009	-7,102	-5,985	602	6,001	10,515	6,585	4,513
40% Exceedance	2,292	971	-4,301	-7,949	-8,690	-9,281	-4,164	1,489	5,683	9,883	6,371	3,660
50% Exceedance	2,021	1,346	-2,696	-7,139	-8,547	-7,965	-3,073	1,370	4,929	9,007	6,218	3,414
60% Exceedance	1,651	1,299	-2,778	-4,493	-6,788	-6,813	-2,324	1,439	4,375	8,129	6,160	3,856
70% Exceedance	1,600	1,161	-1,948	-2,901	-5,808	-5,818	-2,854	1,604	4,327	7,440	5,698	3,796
80% Exceedance	1,942	918	-1,039	-2,062	-2,906	-4,455	-3,114	1,300	4,152	7,096	5,276	3,541
90% Exceedance	1,879	401	-403	-1,280	-2,041	-2,624	-1,963	764	3,942	5,885	4,758	3,072
Full Simulation Period Average[a]	2,215	482	-2,866	-3,927	-3,421	-5,236	-4,313	588	4,943	8,791	6,243	4,134
Wet Water Years (28%)	3,311	742	-1,362	-3,180	-318	-3,937	-7,319	-2,375	2,906	9,119	6,493	5,189
Above Normal Water Years (14%)	2,985	1,479	-4,452	-6,608	-3,333	-6,446	-6,433	359	5,168	11,337	7,181	5,390
Below Normal Water Years (18%)	1,927	43	-3,409	-5,543	-5,156	-6,711	-4,419	2,652	6,089	9,264	7,116	3,283
Dry Water Years (24%)	741	-585	-2,579	-3,376	-6,297	-6,512	-2,358	1,942	6,322	8,349	5,995	3,783
Critical Water Years (16%)	2,104	1,231	-3,891	-1,898	-2,661	-2,880	-12	1,619	4,951	6,121	4,373	2,670

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-8a. Sacramento River Flow downstream of Keswick Reservoir, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,981	9,003	20,763	26,112	29,440	23,572	19,740	11,619	6,756	5,050	4,132	4,086
20% Exceedance	4,403	6,865	16,927	18,077	24,079	18,821	14,838	9,569	5,573	4,798	3,917	3,838
30% Exceedance	4,132	5,665	11,990	14,784	17,562	15,693	13,096	8,090	5,088	4,539	3,750	3,669
40% Exceedance	3,928	4,869	9,011	12,357	15,038	13,921	10,040	6,736	4,702	4,420	3,539	3,413
50% Exceedance	3,670	4,238	6,843	10,389	12,037	11,734	8,749	6,271	4,413	4,320	3,399	2,856
60% Exceedance	3,509	3,917	6,046	7,743	10,038	10,063	7,319	5,468	4,177	4,152	3,222	1,879
70% Exceedance	3,239	3,736	5,198	6,151	9,058	9,068	6,961	5,063	3,971	3,904	2,973	1,730
80% Exceedance	2,550	3,503	4,289	5,312	6,156	7,705	6,364	4,560	3,627	3,741	2,816	1,622
90% Exceedance	2,121	2,976	3,653	4,530	5,291	5,874	5,213	4,088	3,408	3,561	2,590	1,392
Full Simulation Period Average[a]	3,751	5,443	10,092	12,652	15,301	13,567	10,715	7,093	4,764	4,245	3,385	2,728
Wet Water Years (28%)	4,197	5,989	10,100	21,176	24,515	19,826	16,555	9,714	5,881	4,300	3,874	3,904
Above Normal Water Years (14%)	3,987	5,912	9,864	16,596	19,445	16,061	11,811	7,523	4,922	3,953	3,692	3,355
Below Normal Water Years (18%)	3,520	5,412	11,281	10,472	10,833	11,782	9,612	6,486	4,375	4,436	3,349	2,508
Dry Water Years (24%)	4,144	5,618	11,109	6,861	11,149	10,617	7,870	5,781	4,359	4,461	3,156	1,757
Critical Water Years (16%)	2,329	3,713	7,249	5,424	6,807	6,866	5,045	4,777	3,713	3,866	2,645	1,828

Table F.2.2-3-8b. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,473	8,017	17,912	20,641	32,029	16,011	9,978	9,787	12,337	15,793	12,289	9,964
20% Exceedance	7,588	7,446	9,441	13,487	21,906	13,257	8,129	9,153	11,140	15,586	11,115	8,965
30% Exceedance	6,948	6,564	6,046	8,218	10,276	8,573	7,168	8,645	10,468	14,776	10,249	8,208
40% Exceedance	6,293	6,024	4,807	4,086	6,586	4,623	6,522	8,188	9,811	14,239	9,925	7,140
50% Exceedance	5,651	5,542	4,010	3,250	3,785	3,810	5,771	7,839	8,915	13,106	9,527	6,409
60% Exceedance	5,116	5,181	3,269	3,250	3,250	3,250	4,977	7,005	8,330	12,146	9,150	5,771
70% Exceedance	4,788	4,862	3,250	3,250	3,250	3,250	4,301	6,551	8,041	11,245	8,636	5,531
80% Exceedance	4,493	4,318	3,250	3,250	3,250	3,250	3,998	5,853	7,755	10,731	8,065	5,163
90% Exceedance	4,000	3,432	3,250	3,250	3,250	3,250	3,250	4,865	7,048	9,397	7,423	4,662
Full Simulation Period Average[a]	5,955	5,970	7,269	8,735	11,983	8,344	6,678	7,699	9,360	12,886	9,548	6,914
Wet Water Years (28%)	7,468	6,734	8,746	18,032	24,222	15,894	9,326	7,354	8,700	13,397	10,348	9,125
Above Normal Water Years (14%)	6,837	7,434	5,430	10,092	16,208	9,672	6,068	8,058	9,388	15,086	10,651	8,805
Below Normal Water Years (18%)	5,601	5,394	7,880	4,937	5,761	5,067	5,899	9,274	9,763	13,450	10,247	5,950
Dry Water Years (24%)	4,859	5,263	8,693	3,485	5,088	4,121	5,529	7,440	10,311	12,522	9,073	5,559
Critical Water Years (16%)	4,427	4,905	3,340	3,425	4,214	3,989	5,176	6,604	8,613	9,978	7,112	4,509

Table F.2.2-3-8c. Sacramento River Flow downstream of Keswick Reservoir, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,492	-987	-2,850	-5,471	2,589	-7,561	-9,762	-1,832	5,580	10,742	8,157	5,878
20% Exceedance	3,185	581	-7,486	-4,589	-2,173	-5,564	-6,709	-416	5,567	10,788	7,198	5,127
30% Exceedance	2,817	899	-5,944	-6,566	-7,285	-7,121	-5,928	555	5,380	10,237	6,499	4,539
40% Exceedance	2,365	1,155	-4,204	-8,271	-8,452	-9,298	-3,518	1,452	5,108	9,819	6,386	3,727
50% Exceedance	1,980	1,304	-2,833	-7,139	-8,252	-7,923	-2,979	1,568	4,502	8,786	6,128	3,553
60% Exceedance	1,608	1,264	-2,777	-4,493	-6,788	-6,813	-2,341	1,537	4,153	7,994	5,928	3,893
70% Exceedance	1,549	1,126	-1,948	-2,901	-5,808	-5,818	-2,660	1,487	4,070	7,341	5,663	3,800
80% Exceedance	1,943	815	-1,039	-2,062	-2,906	-4,455	-2,366	1,292	4,128	6,991	5,249	3,541
90% Exceedance	1,879	455	-403	-1,280	-2,041	-2,624	-1,963	777	3,640	5,836	4,832	3,270
Full Simulation Period Average[a]	2,204	527	-2,823	-3,917	-3,318	-5,223	-4,037	606	4,597	8,641	6,163	4,186
Wet Water Years (28%)	3,271	745	-1,355	-3,144	-294	-3,932	-7,229	-2,360	2,818	9,097	6,474	5,222
Above Normal Water Years (14%)	2,850	1,522	-4,434	-6,504	-3,237	-6,388	-5,743	535	4,466	11,133	6,958	5,450
Below Normal Water Years (18%)	2,081	-18	-3,401	-5,536	-5,072	-6,715	-3,713	2,788	5,387	9,014	6,898	3,441
Dry Water Years (24%)	714	-354	-2,416	-3,376	-6,062	-6,496	-2,341	1,658	5,952	8,061	5,916	3,802
Critical Water Years (16%)	2,098	1,193	-3,910	-1,999	-2,592	-2,877	131	1,827	4,900	6,113	4,467	2,681

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-9a. Sacramento River Flow downstream of Keswick Reservoir, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,981	9,003	20,763	26,112	29,440	23,572	19,740	11,619	6,756	5,050	4,132	4,086
20% Exceedance	4,403	6,865	16,927	18,077	24,079	18,821	14,838	9,569	5,573	4,798	3,917	3,838
30% Exceedance	4,132	5,665	11,990	14,784	17,562	15,693	13,096	8,090	5,088	4,539	3,750	3,669
40% Exceedance	3,928	4,869	9,011	12,357	15,038	13,921	10,040	6,736	4,702	4,420	3,539	3,413
50% Exceedance	3,670	4,238	6,843	10,389	12,037	11,734	8,749	6,271	4,413	4,320	3,399	2,856
60% Exceedance	3,509	3,917	6,046	7,743	10,038	10,063	7,319	5,468	4,177	4,152	3,222	1,879
70% Exceedance	3,239	3,736	5,198	6,151	9,058	9,068	6,961	5,063	3,971	3,904	2,973	1,730
80% Exceedance	2,550	3,503	4,289	5,312	6,156	7,705	6,364	4,560	3,627	3,741	2,816	1,622
90% Exceedance	2,121	2,976	3,653	4,530	5,291	5,874	5,213	4,088	3,408	3,561	2,590	1,392
Full Simulation Period Average[a]	3,751	5,443	10,092	12,652	15,301	13,567	10,715	7,093	4,764	4,245	3,385	2,728
Wet Water Years (28%)	4,197	5,989	10,100	21,176	24,515	19,826	16,555	9,714	5,881	4,300	3,874	3,904
Above Normal Water Years (14%)	3,987	5,912	9,864	16,596	19,445	16,061	11,811	7,523	4,922	3,953	3,692	3,355
Below Normal Water Years (18%)	3,520	5,412	11,281	10,472	10,833	11,782	9,612	6,486	4,375	4,436	3,349	2,508
Dry Water Years (24%)	4,144	5,618	11,109	6,861	11,149	10,617	7,870	5,781	4,359	4,461	3,156	1,757
Critical Water Years (16%)	2,329	3,713	7,249	5,424	6,807	6,866	5,045	4,777	3,713	3,866	2,645	1,828

Table F.2.2-3-9b. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,636	7,766	17,932	23,587	32,029	18,011	9,517	9,787	12,774	16,000	12,431	9,781
20% Exceedance	7,618	7,007	9,526	13,342	21,085	12,867	7,999	8,992	11,574	15,957	11,247	8,941
30% Exceedance	7,048	6,392	5,873	8,229	10,284	8,592	7,070	8,542	10,928	14,971	10,282	8,238
40% Exceedance	6,149	6,045	5,009	4,992	6,385	4,470	5,873	8,240	10,161	14,127	9,882	7,118
50% Exceedance	5,611	5,545	4,208	3,250	3,476	3,650	5,300	7,798	9,150	13,163	9,604	6,499
60% Exceedance	5,152	5,132	3,316	3,250	3,250	3,250	4,401	6,895	8,540	11,938	9,245	5,753
70% Exceedance	4,923	4,838	3,250	3,250	3,250	3,250	3,512	6,580	8,262	11,194	8,756	5,587
80% Exceedance	4,606	4,474	3,250	3,250	3,250	3,250	3,250	5,936	7,877	10,534	8,101	5,228
90% Exceedance	4,051	3,373	3,250	3,250	3,250	3,250	3,250	4,914	7,181	9,001	7,278	4,840
Full Simulation Period Average[a]	5,989	5,902	7,223	8,896	11,900	8,320	6,309	7,664	9,680	12,813	9,640	6,960
Wet Water Years (28%)	7,508	6,637	8,801	18,124	24,183	15,899	9,235	7,354	8,773	13,413	10,314	9,083
Above Normal Water Years (14%)	6,923	7,227	5,430	10,247	16,205	10,026	5,394	7,849	10,188	15,237	10,859	8,717
Below Normal Water Years (18%)	5,405	5,434	7,770	4,964	5,639	5,077	5,384	9,284	10,509	13,797	10,628	5,923
Dry Water Years (24%)	4,883	5,072	8,486	3,615	4,998	4,168	5,613	7,719	10,675	12,593	9,150	5,613
Critical Water Years (16%)	4,691	5,098	3,390	3,911	4,034	3,442	4,074	6,139	8,399	8,863	7,020	4,892

Table F.2.2-3-9c. Sacramento River Flow downstream of Keswick Reservoir, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,656	-1,237	-2,831	-2,525	2,589	-5,561	-10,223	-1,832	6,018	10,950	8,298	5,695
20% Exceedance	3,215	142	-7,401	-4,735	-2,994	-5,954	-6,839	-577	6,001	11,159	7,330	5,104
30% Exceedance	2,916	727	-6,117	-6,555	-7,278	-7,101	-6,026	453	5,839	10,432	6,532	4,569
40% Exceedance	2,221	1,176	-4,002	-7,364	-8,653	-9,451	-4,167	1,504	5,458	9,708	6,343	3,705
50% Exceedance	1,940	1,307	-2,635	-7,139	-8,561	-8,084	-3,449	1,527	4,737	8,843	6,205	3,643
60% Exceedance	1,643	1,215	-2,730	-4,493	-6,788	-6,813	-2,918	1,427	4,363	7,786	6,024	3,875
70% Exceedance	1,685	1,103	-1,948	-2,901	-5,808	-5,818	-3,449	1,517	4,292	7,290	5,783	3,856
80% Exceedance	2,055	971	-1,039	-2,062	-2,906	-4,455	-3,114	1,376	4,250	6,793	5,285	3,606
90% Exceedance	1,930	396	-403	-1,280	-2,041	-2,624	-1,963	826	3,773	5,439	4,687	3,448
Full Simulation Period Average[a]	2,238	459	-2,869	-3,756	-3,401	-5,247	-4,406	571	4,916	8,568	6,255	4,231
Wet Water Years (28%)	3,311	648	-1,300	-3,052	-332	-3,927	-7,320	-2,360	2,891	9,113	6,440	5,180
Above Normal Water Years (14%)	2,936	1,315	-4,433	-6,349	-3,240	-6,035	-6,418	326	5,266	11,284	7,167	5,362
Below Normal Water Years (18%)	1,885	21	-3,511	-5,508	-5,194	-6,705	-4,228	2,798	6,133	9,361	7,279	3,414
Dry Water Years (24%)	739	-546	-2,623	-3,246	-6,151	-6,449	-2,257	1,938	6,316	8,133	5,994	3,856
Critical Water Years (16%)	2,362	1,385	-3,859	-1,513	-2,773	-3,424	-971	1,362	4,686	4,997	4,375	3,064

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-3-10a. Sacramento River Flow downstream of Keswick Reservoir, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,981	9,003	20,763	26,112	29,440	23,572	19,740	11,619	6,756	5,050	4,132	4,086
20% Exceedance	4,403	6,865	16,927	18,077	24,079	18,821	14,838	9,569	5,573	4,798	3,917	3,838
30% Exceedance	4,132	5,665	11,990	14,784	17,562	15,693	13,096	8,090	5,088	4,539	3,750	3,669
40% Exceedance	3,928	4,869	9,011	12,357	15,038	13,921	10,040	6,736	4,702	4,420	3,539	3,413
50% Exceedance	3,670	4,238	6,843	10,389	12,037	11,734	8,749	6,271	4,413	4,320	3,399	2,856
60% Exceedance	3,509	3,917	6,046	7,743	10,038	10,063	7,319	5,468	4,177	4,152	3,222	1,879
70% Exceedance	3,239	3,736	5,198	6,151	9,058	9,068	6,961	5,063	3,971	3,904	2,973	1,730
80% Exceedance	2,550	3,503	4,289	5,312	6,156	7,705	6,364	4,560	3,627	3,741	2,816	1,622
90% Exceedance	2,121	2,976	3,653	4,530	5,291	5,874	5,213	4,088	3,408	3,561	2,590	1,392
Full Simulation Period Average[a]	3,751	5,443	10,092	12,652	15,301	13,567	10,715	7,093	4,764	4,245	3,385	2,728
Wet Water Years (28%)	4,197	5,989	10,100	21,176	24,515	19,826	16,555	9,714	5,881	4,300	3,874	3,904
Above Normal Water Years (14%)	3,987	5,912	9,864	16,596	19,445	16,061	11,811	7,523	4,922	3,953	3,692	3,355
Below Normal Water Years (18%)	3,520	5,412	11,281	10,472	10,833	11,782	9,612	6,486	4,375	4,436	3,349	2,508
Dry Water Years (24%)	4,144	5,618	11,109	6,861	11,149	10,617	7,870	5,781	4,359	4,461	3,156	1,757
Critical Water Years (16%)	2,329	3,713	7,249	5,424	6,807	6,866	5,045	4,777	3,713	3,866	2,645	1,828

Table F.2.2-3-10b. Sacramento River Flow downstream of Keswick Reservoir, NAA, 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

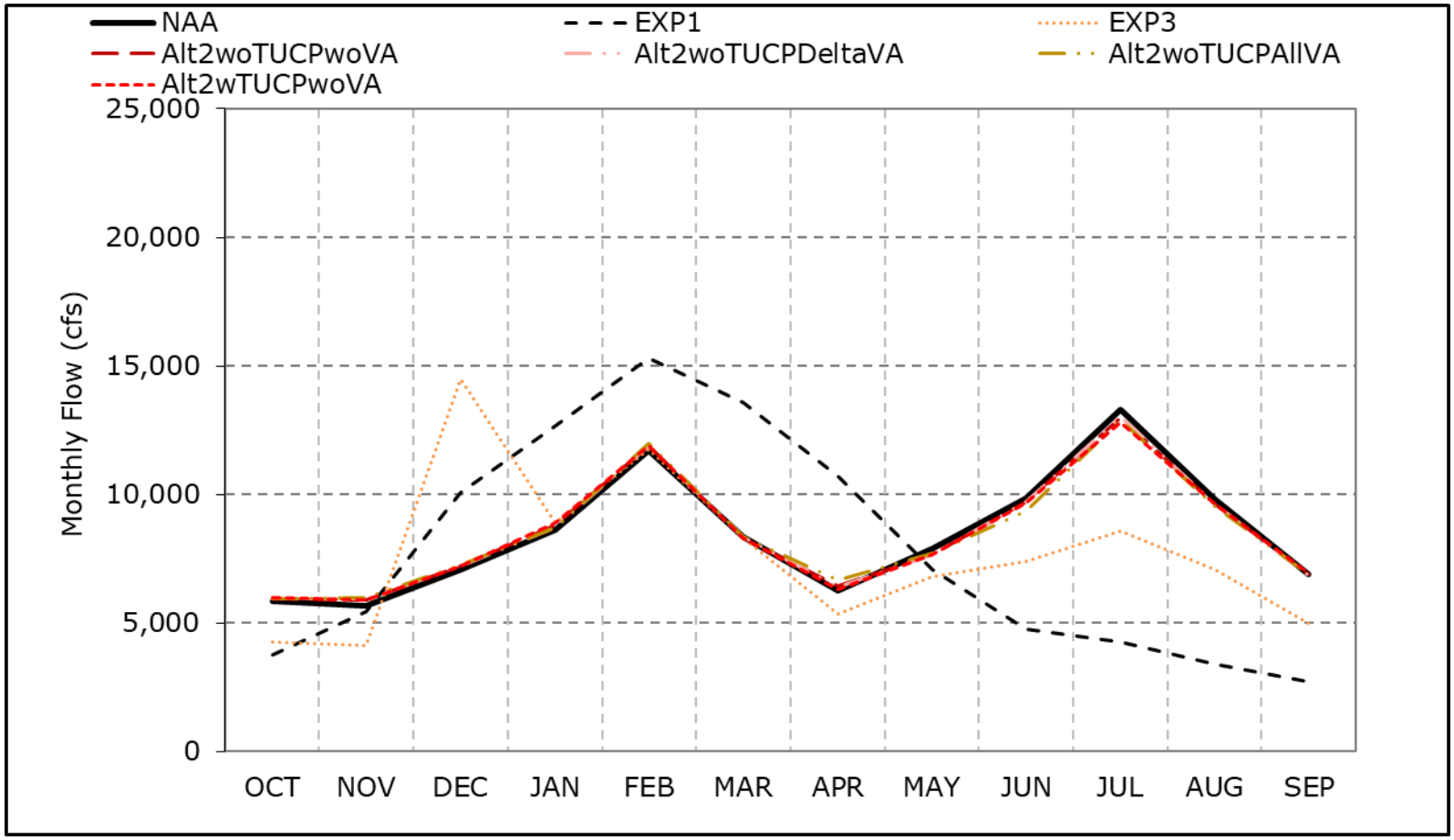
Table F.2.2-3-10c. Sacramento River Flow downstream of Keswick Reservoir, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,379	-1,494	-2,817	-6,532	2,501	-5,582	-10,085	-1,461	6,426	10,950	8,435	5,580
20% Exceedance	3,152	158	-8,470	-4,079	-3,913	-5,826	-6,960	-394	6,373	11,202	7,357	4,923
30% Exceedance	2,807	524	-5,885	-6,470	-7,771	-6,977	-6,314	680	6,097	10,776	6,875	4,453
40% Exceedance	2,119	967	-4,214	-8,460	-9,038	-9,451	-4,235	1,574	5,743	9,989	6,369	3,755
50% Exceedance	1,615	1,000	-3,165	-7,139	-8,300	-7,976	-3,551	1,633	4,803	9,380	6,110	3,122
60% Exceedance	1,641	1,104	-2,787	-4,493	-6,788	-6,813	-2,816	1,965	4,363	8,905	5,936	3,879
70% Exceedance	1,643	968	-1,948	-2,901	-5,808	-5,818	-3,661	1,825	4,257	7,840	5,635	3,815
80% Exceedance	1,933	323	-1,039	-2,062	-2,906	-4,455	-3,114	1,809	4,131	7,246	5,493	3,588
90% Exceedance	1,463	288	-403	-1,280	-2,041	-2,624	-1,963	1,101	4,066	5,844	4,988	3,498
Full Simulation Period Average[a]	2,118	232	-3,025	-4,019	-3,590	-5,215	-4,436	807	5,099	9,062	6,419	4,181
Wet Water Years (28%)	3,256	586	-1,340	-3,458	-587	-3,857	-7,290	-2,357	2,838	9,308	6,498	5,273
Above Normal Water Years (14%)	2,570	1,305	-4,458	-6,585	-3,370	-6,062	-6,384	402	5,176	11,600	7,313	5,215
Below Normal Water Years (18%)	2,005	-402	-3,585	-5,561	-5,555	-6,769	-4,287	2,822	6,033	9,723	7,421	3,099
Dry Water Years (24%)	665	-592	-3,118	-3,462	-6,456	-6,479	-2,278	2,269	6,591	8,677	5,949	3,768
Critical Water Years (16%)	2,003	575	-3,914	-1,857	-2,530	-3,204	-1,140	2,236	5,702	6,243	5,078	3,201

[a] Based on the 100-year simulation period.

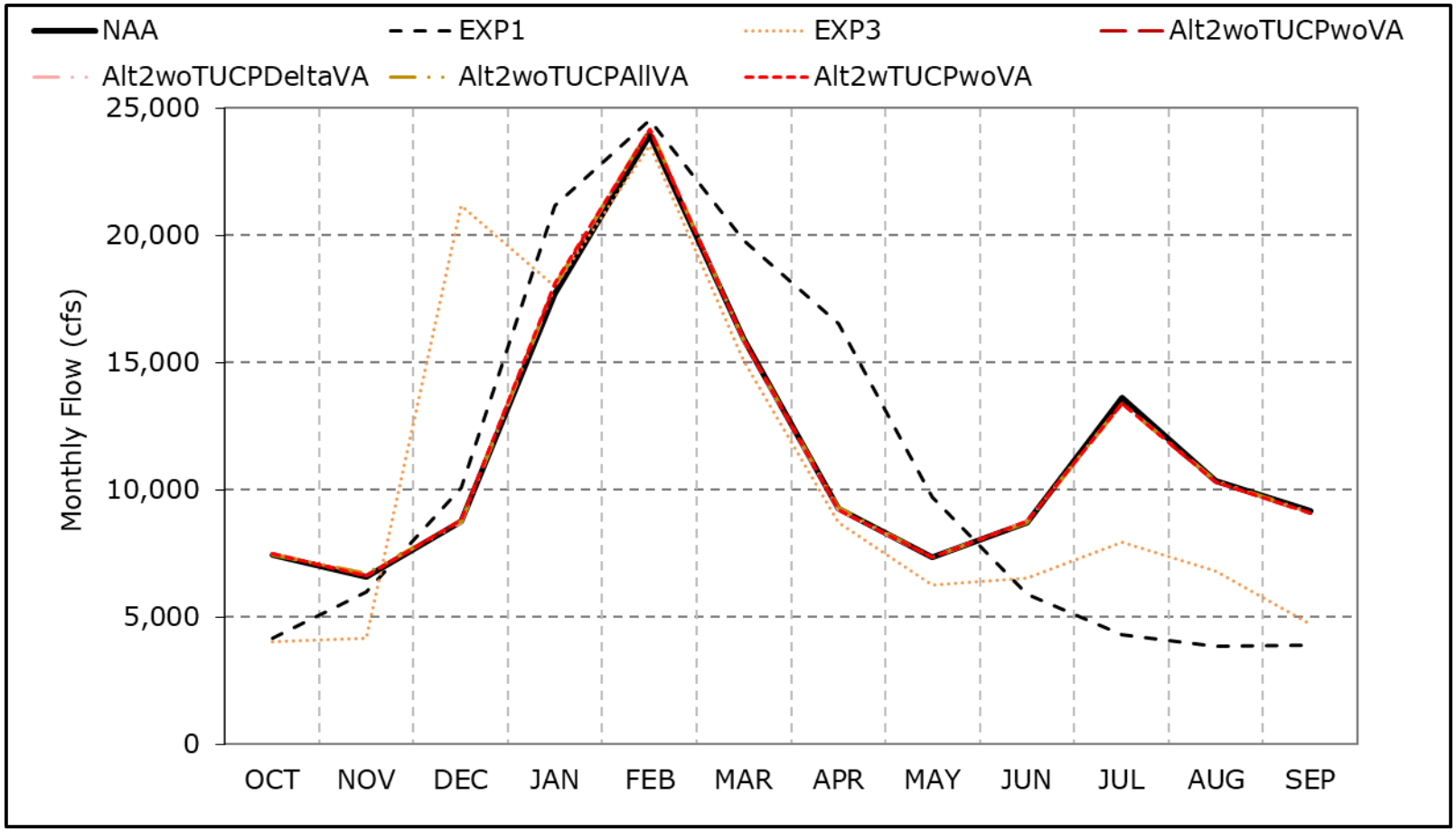
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



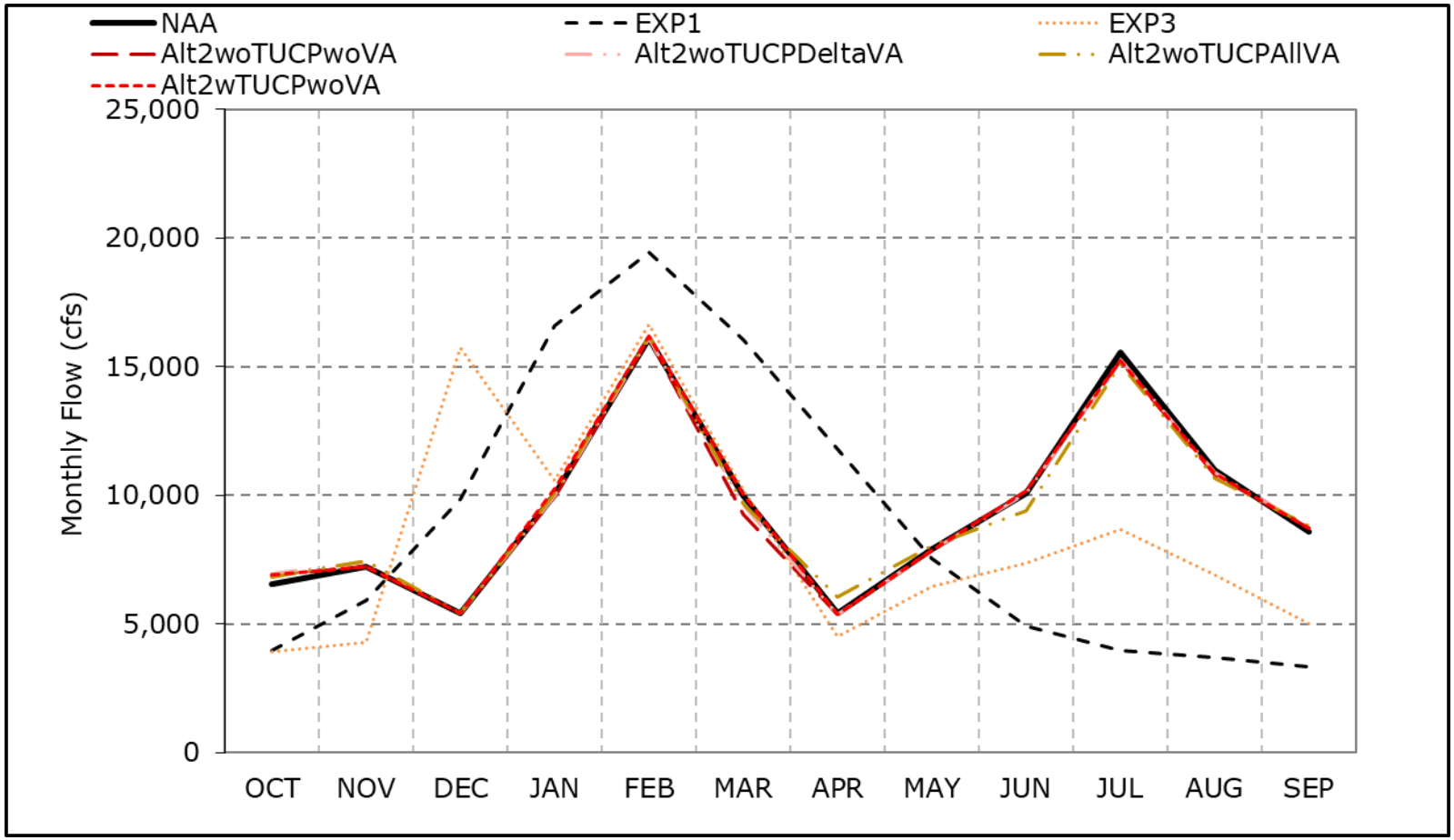
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



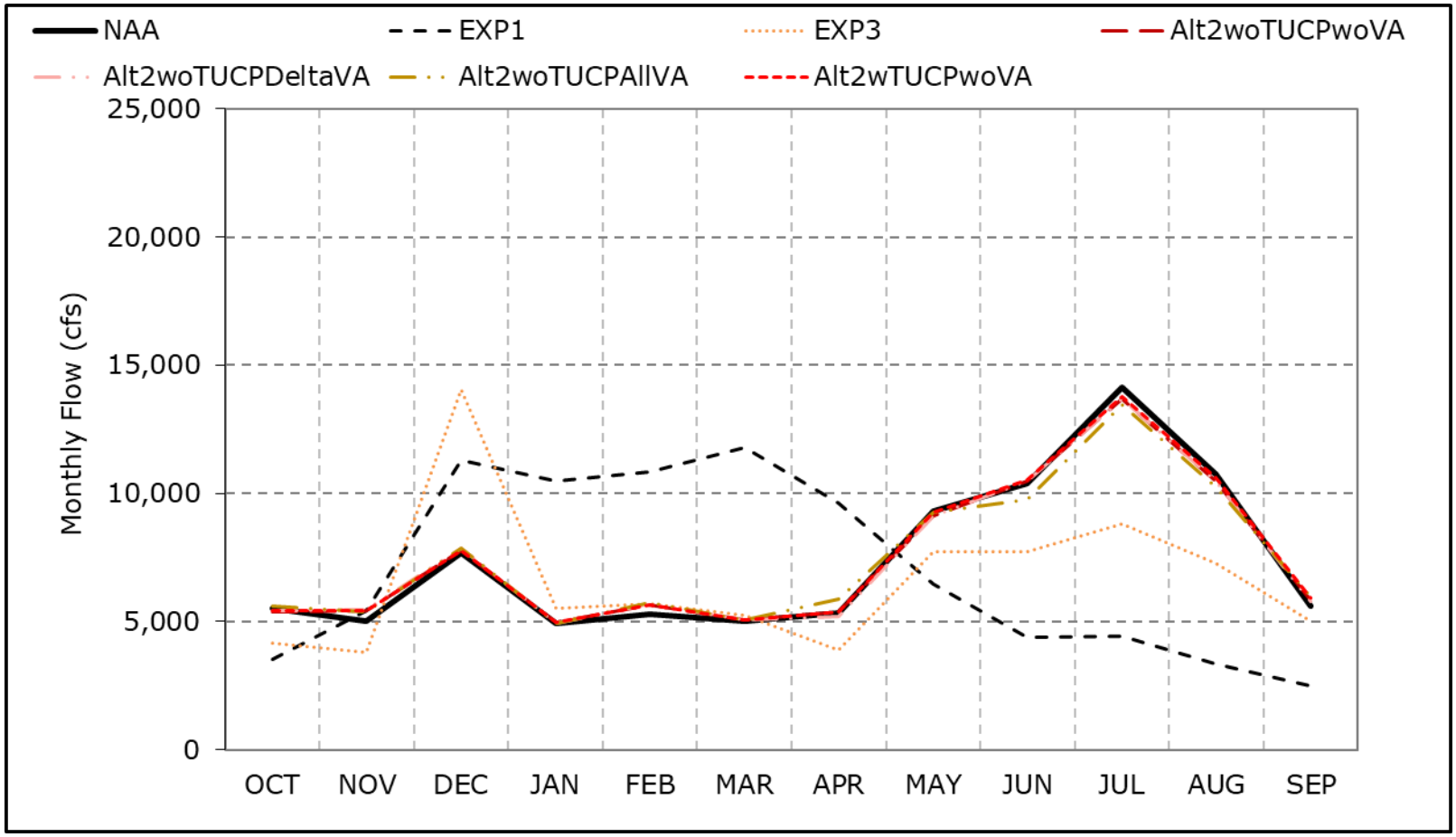
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



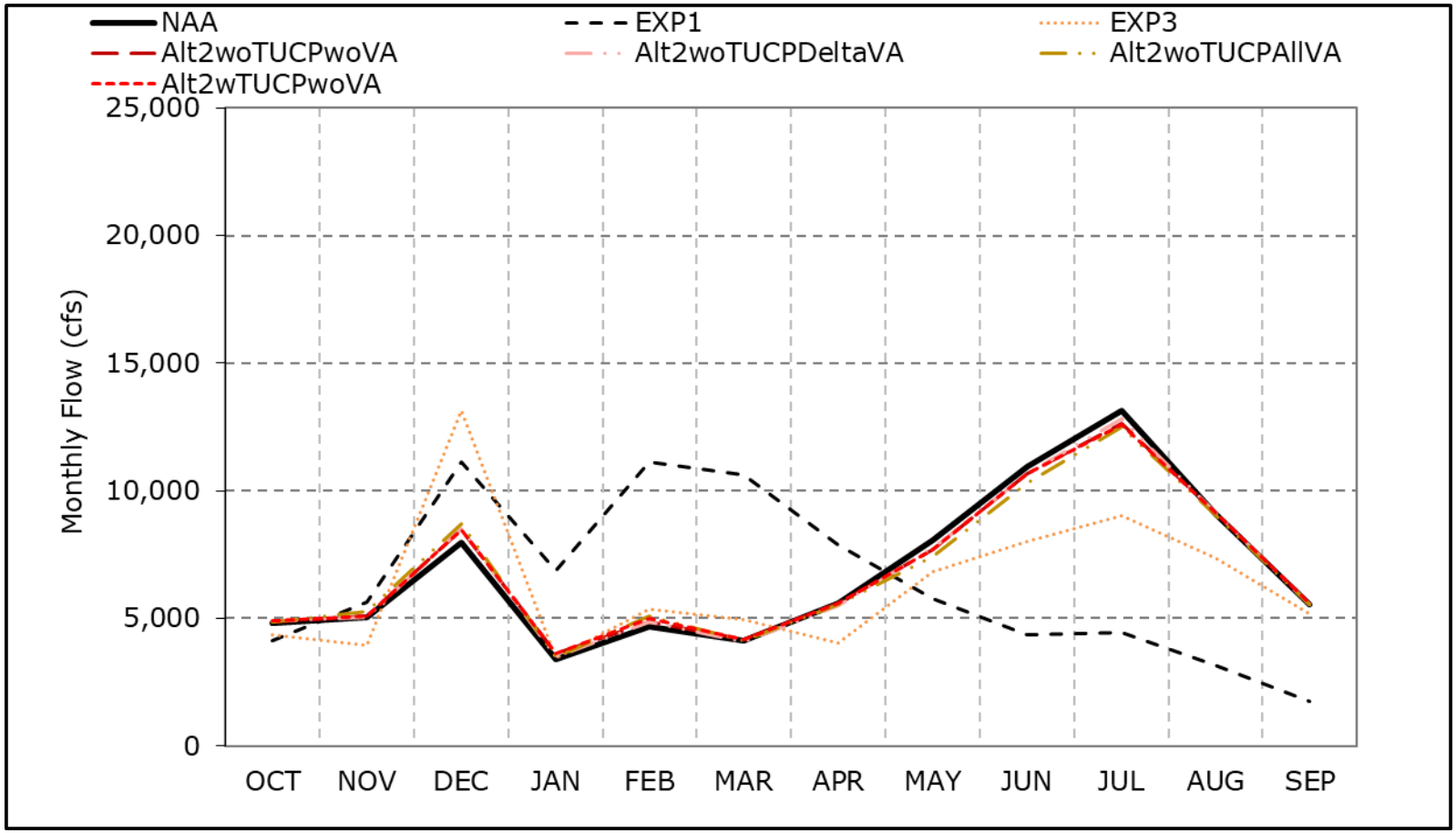
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



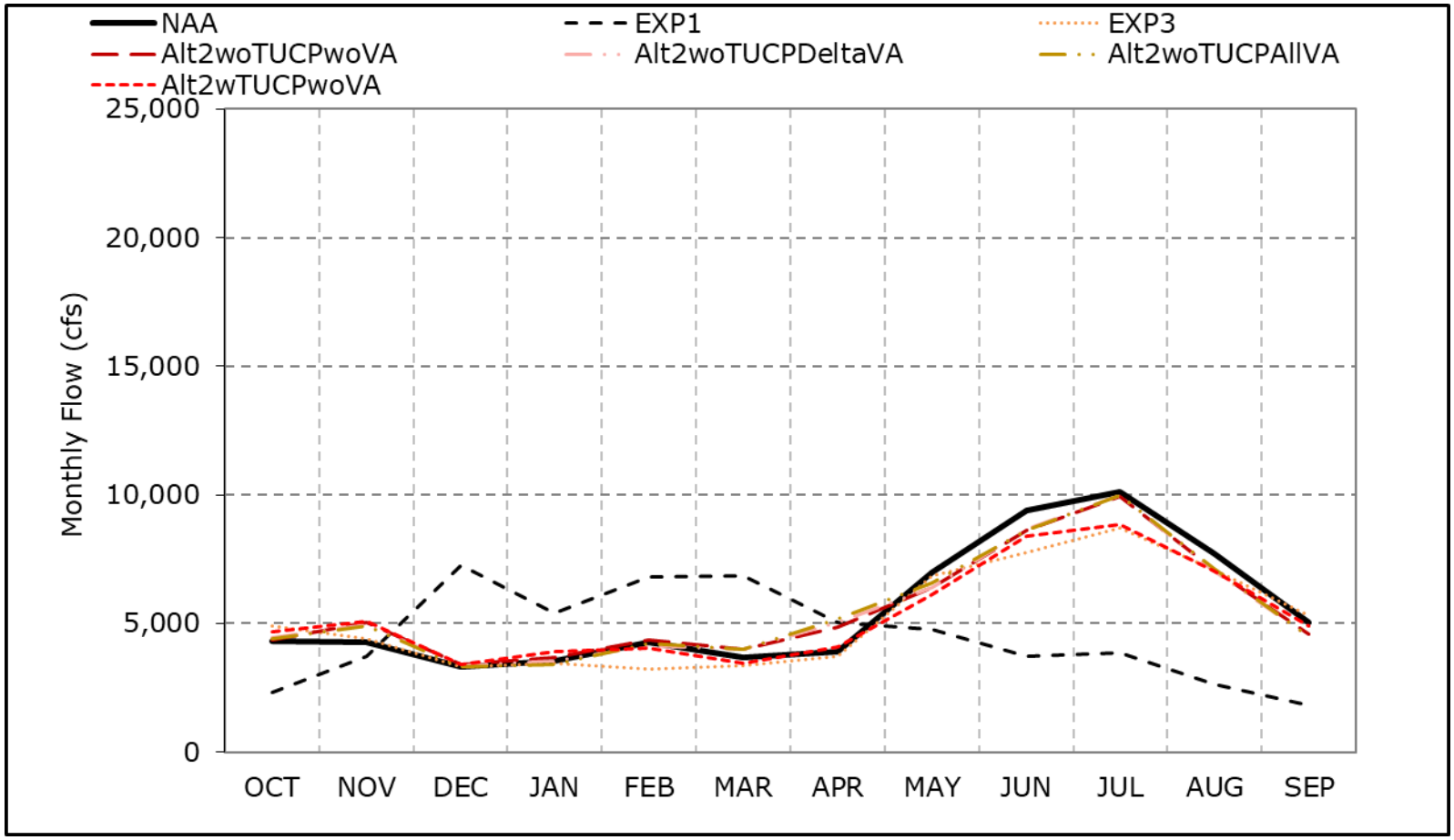
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



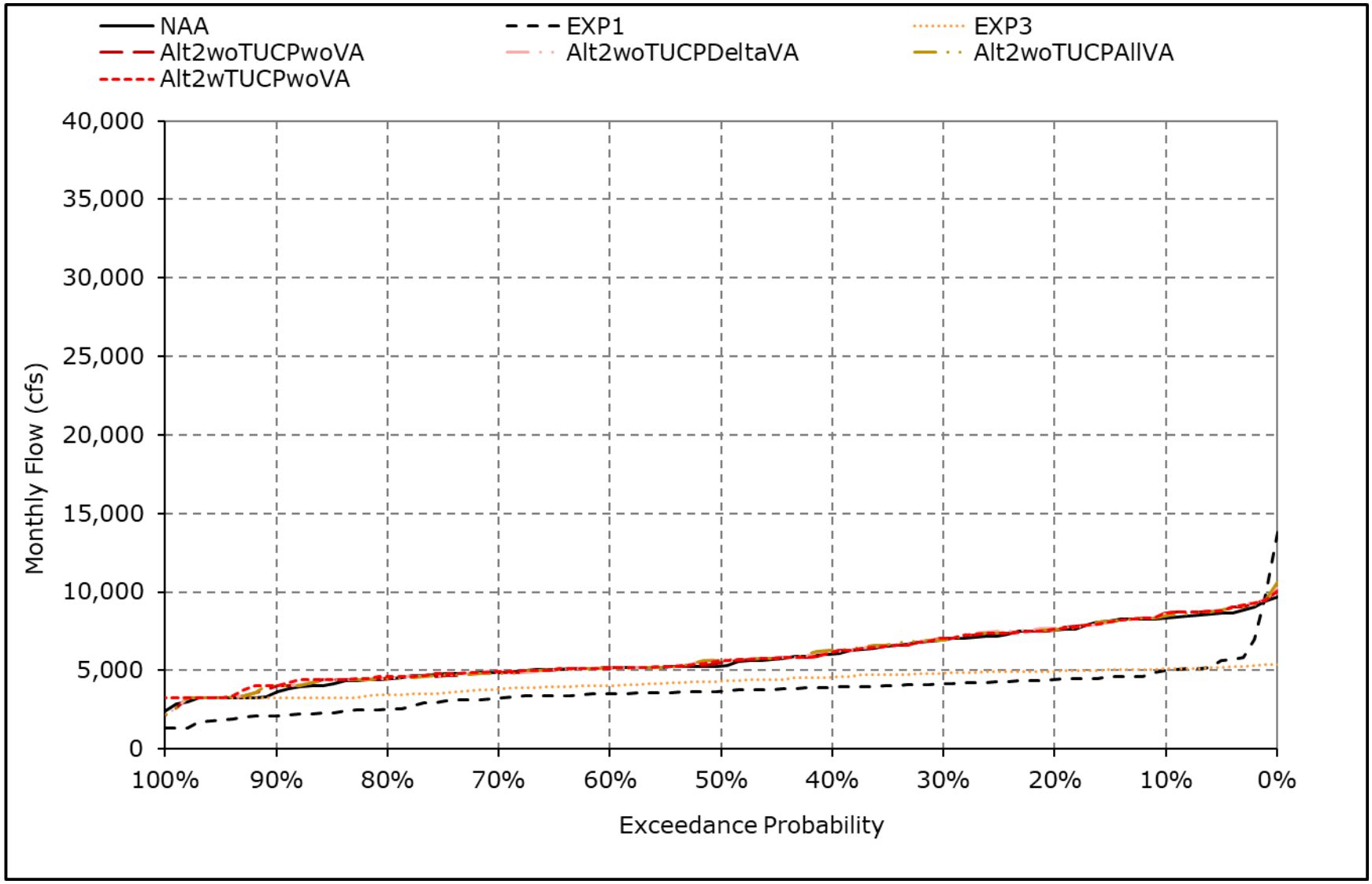
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



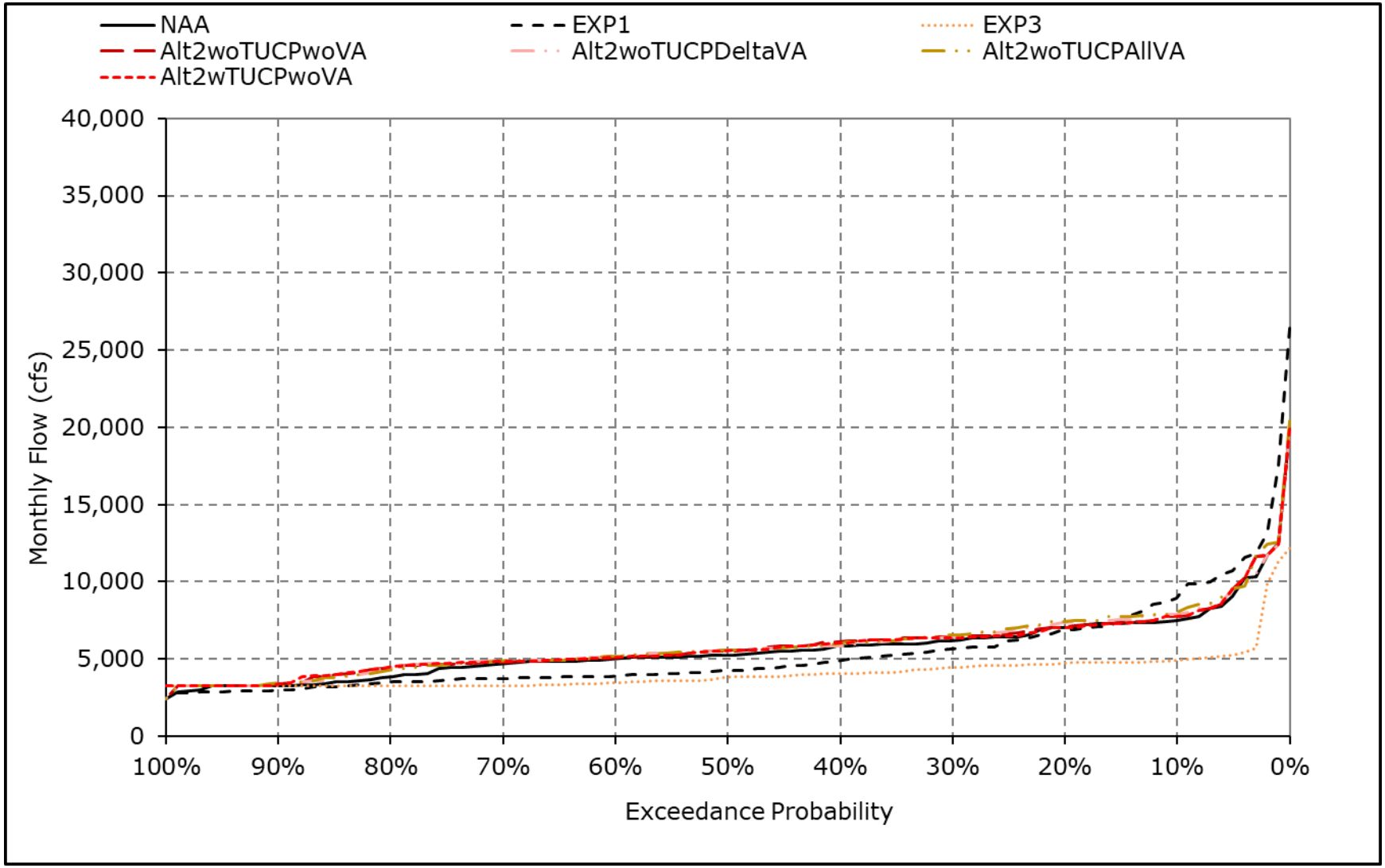
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



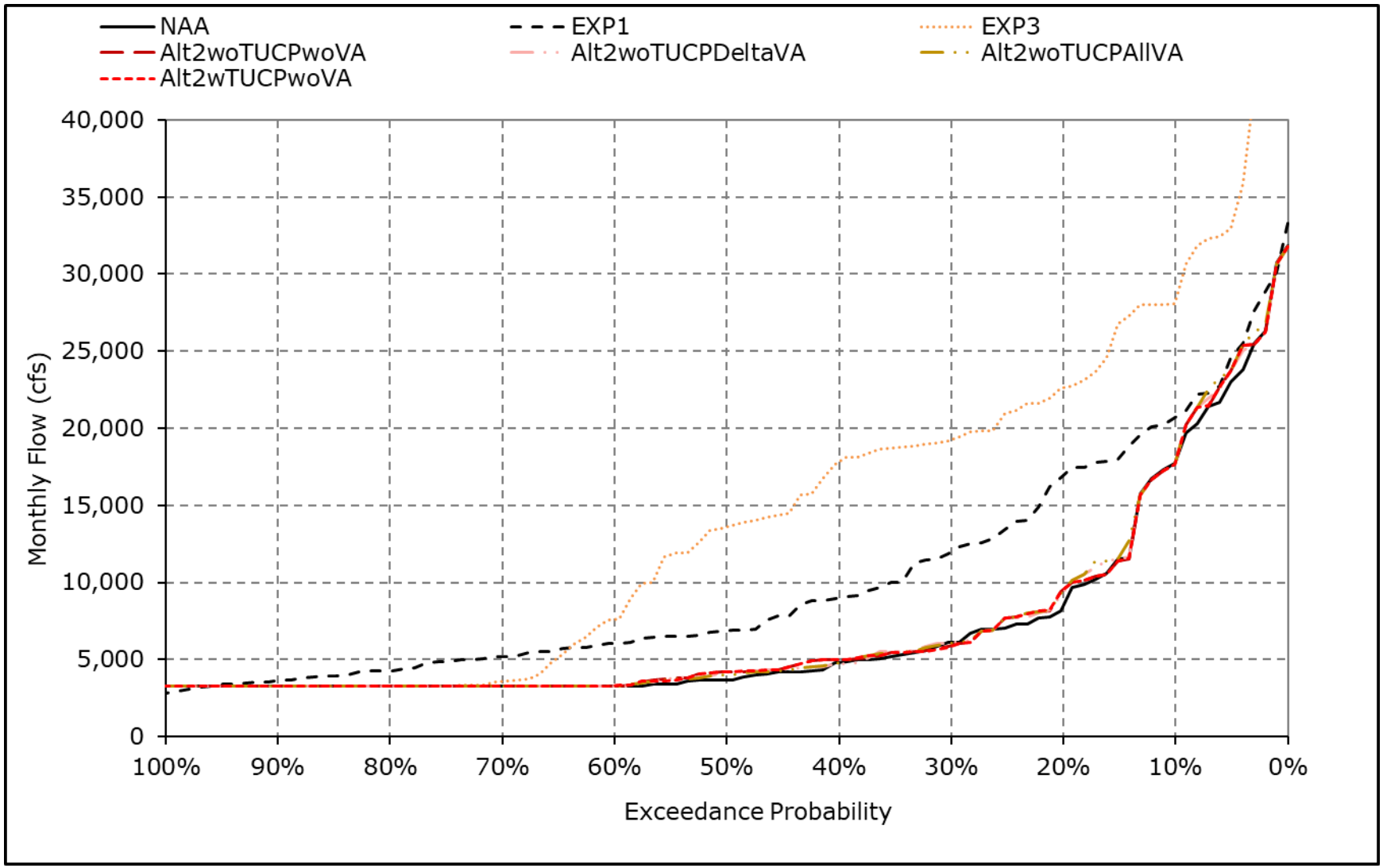
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



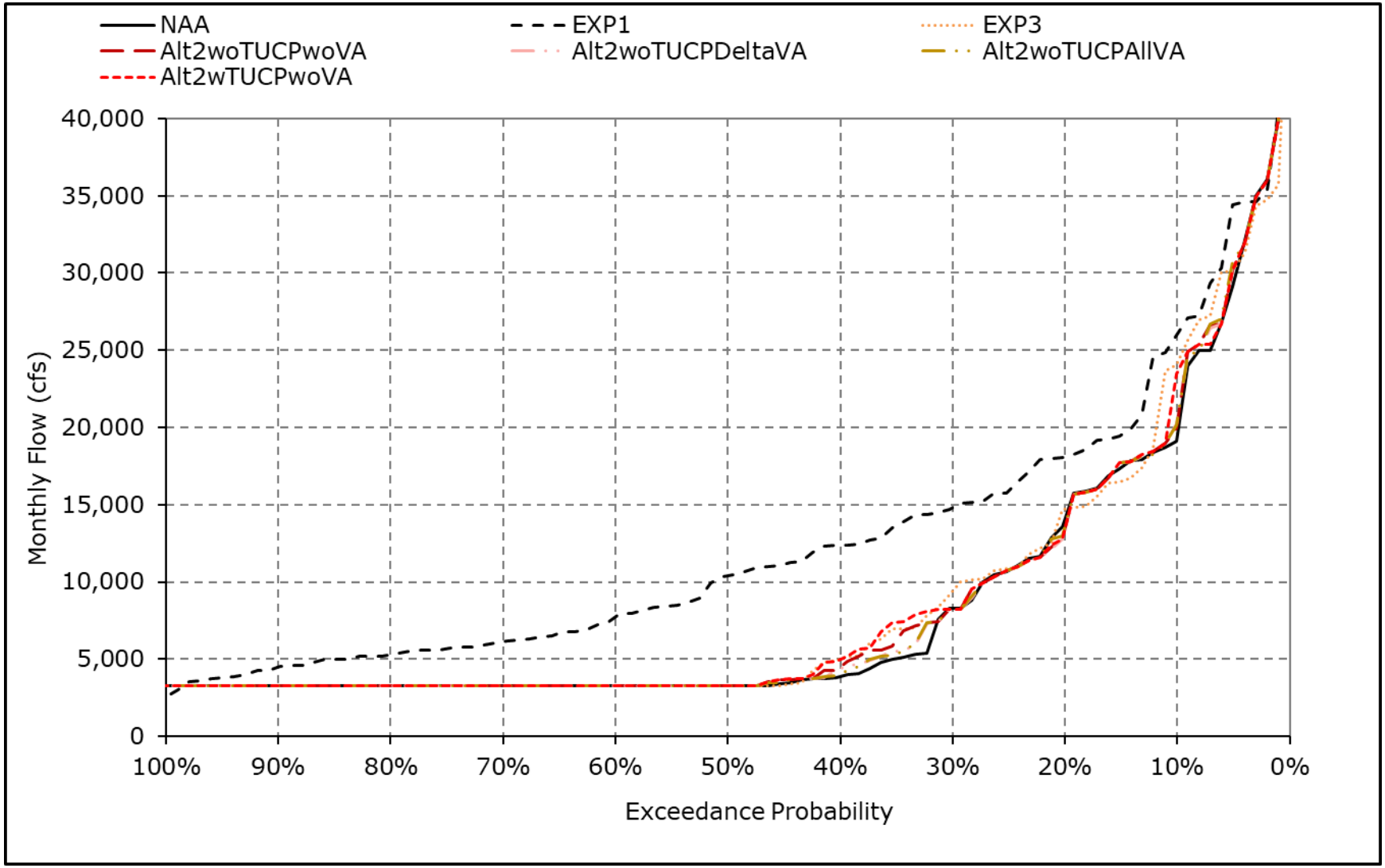
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



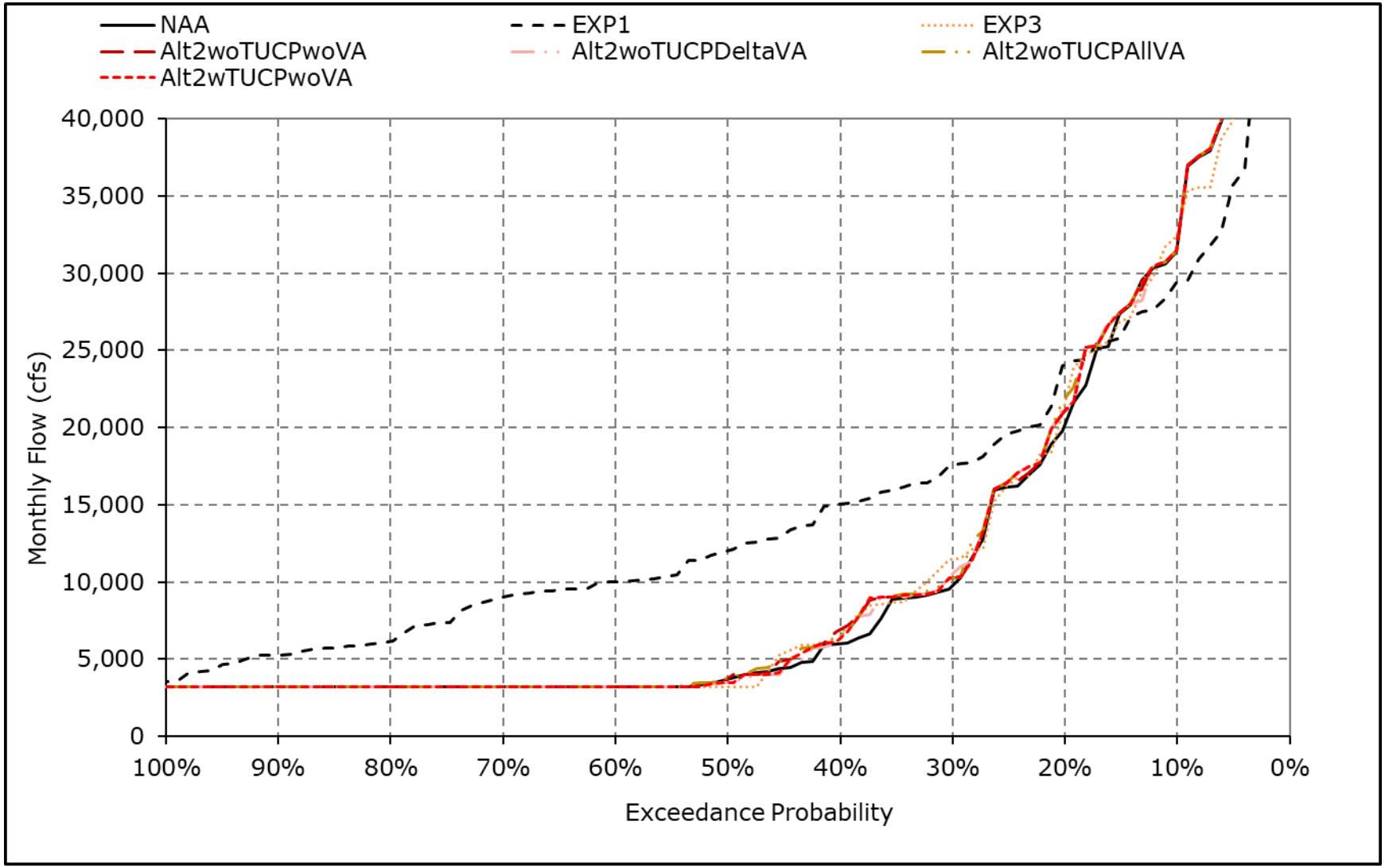
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



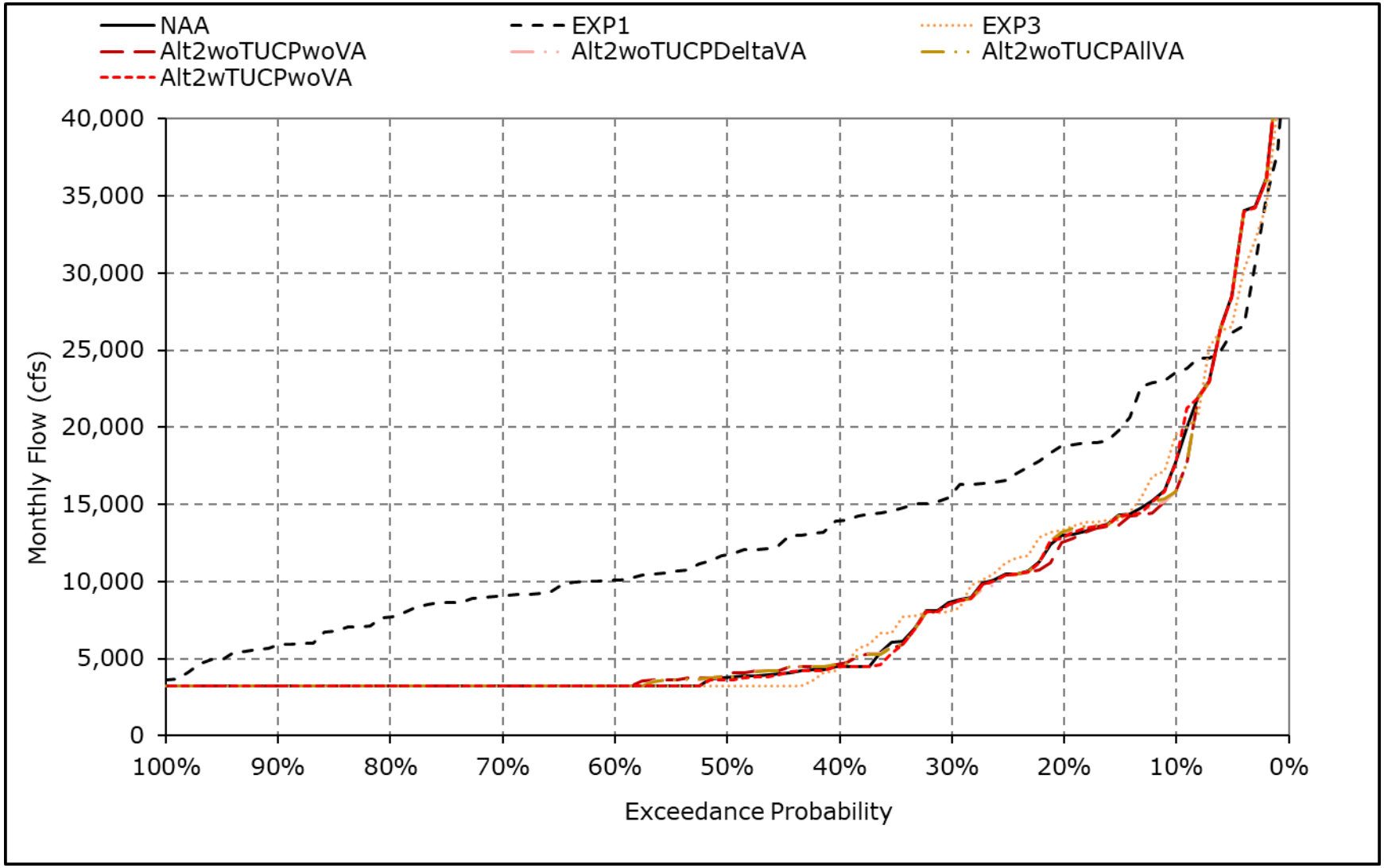
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



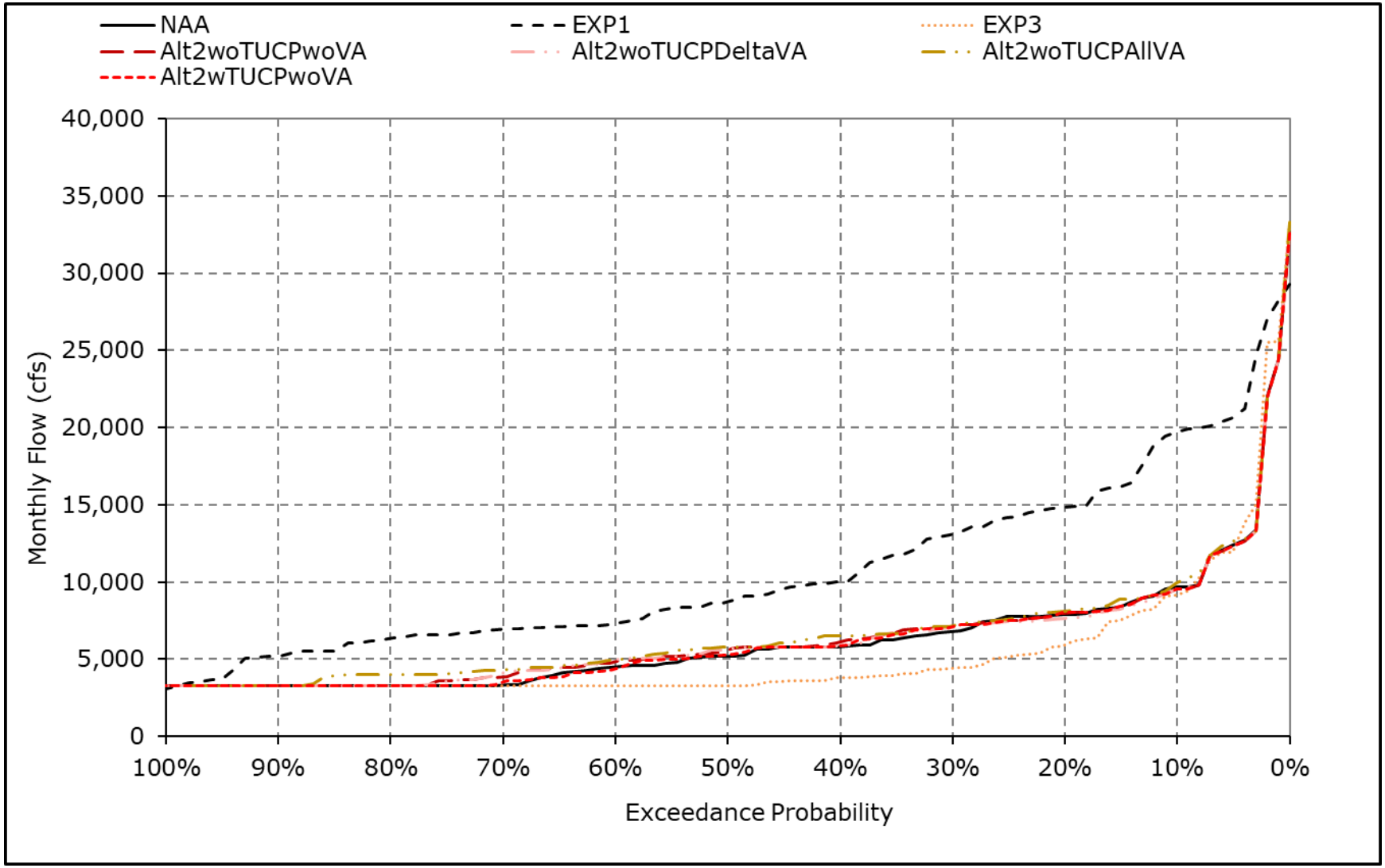
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



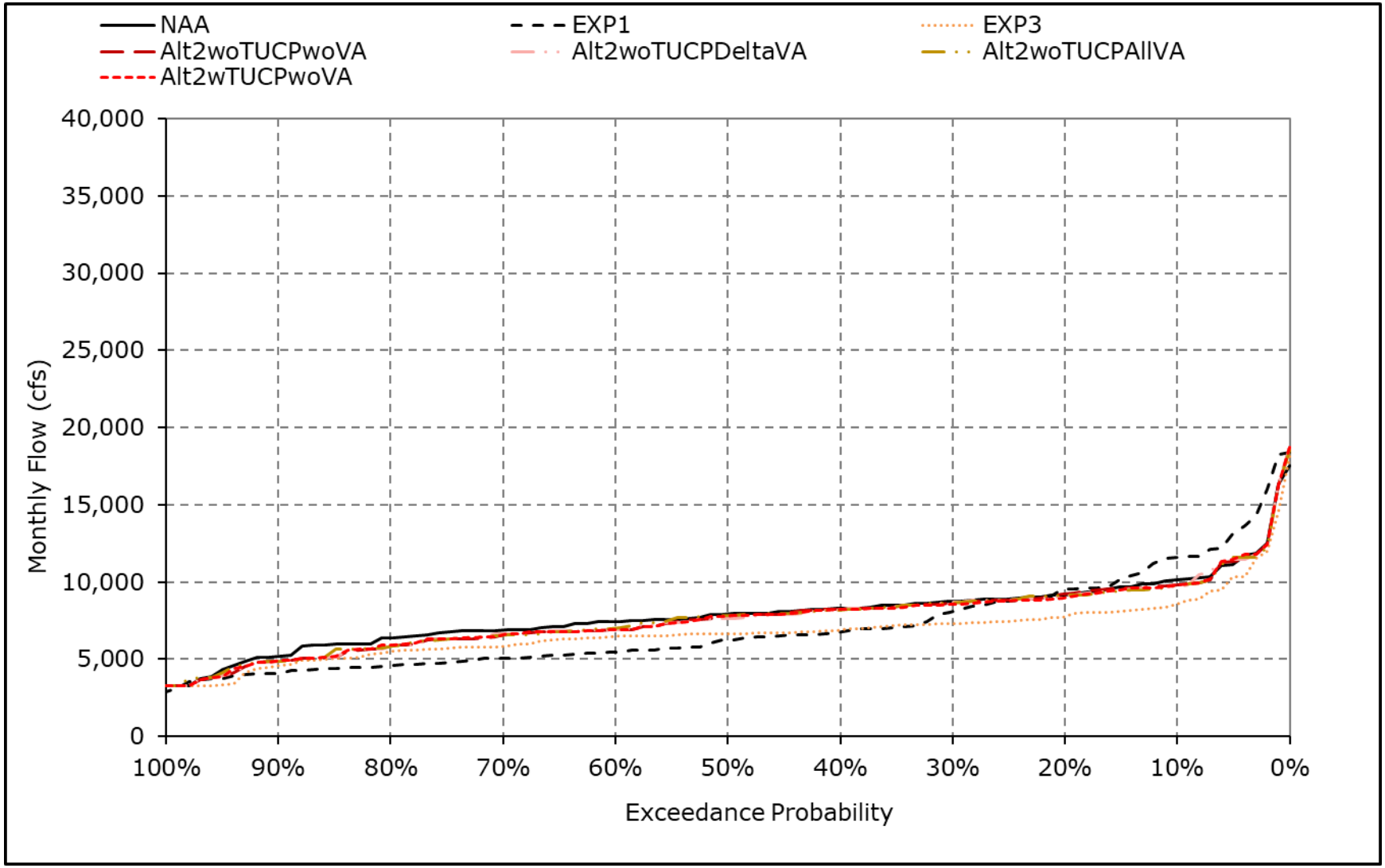
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



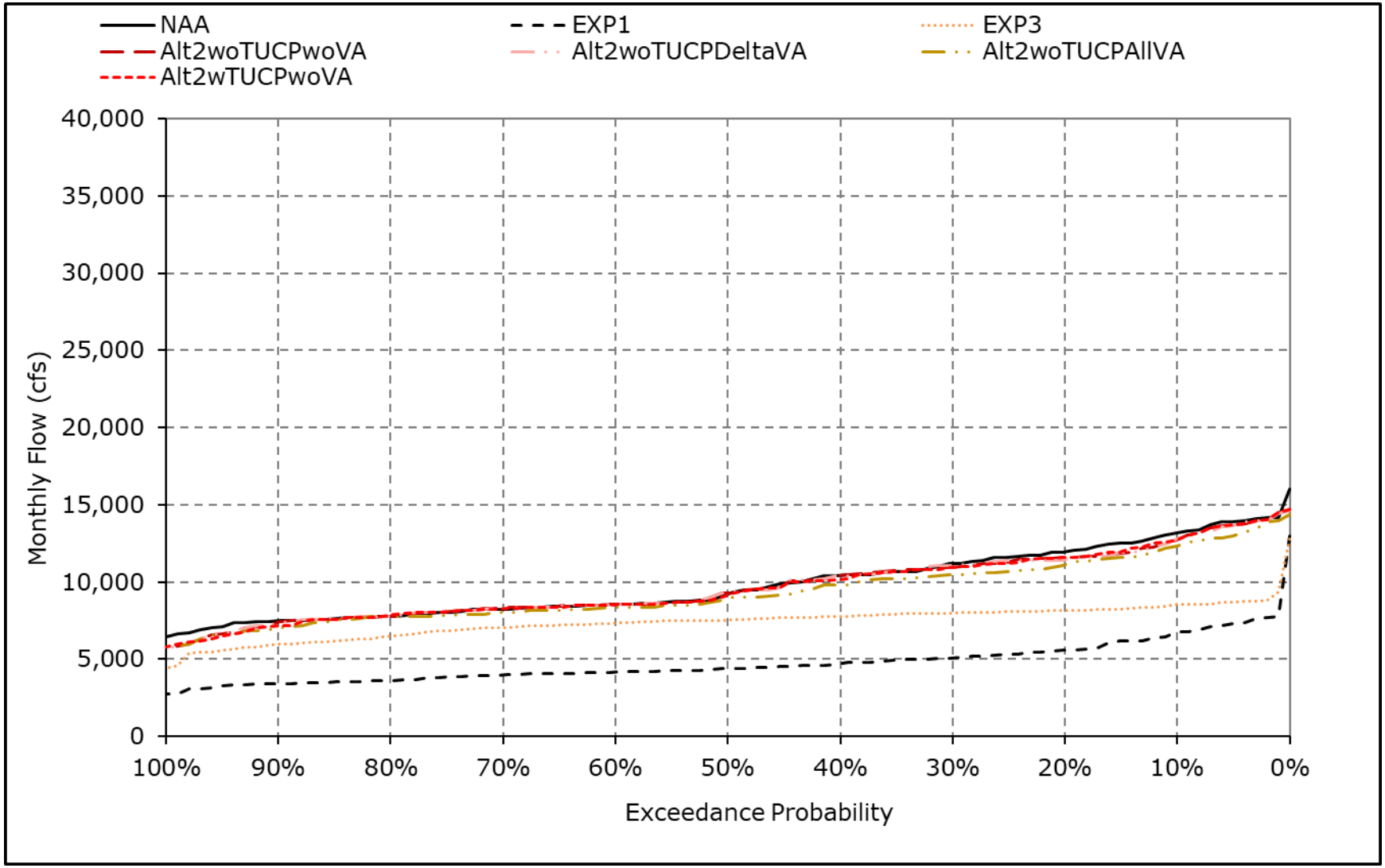
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



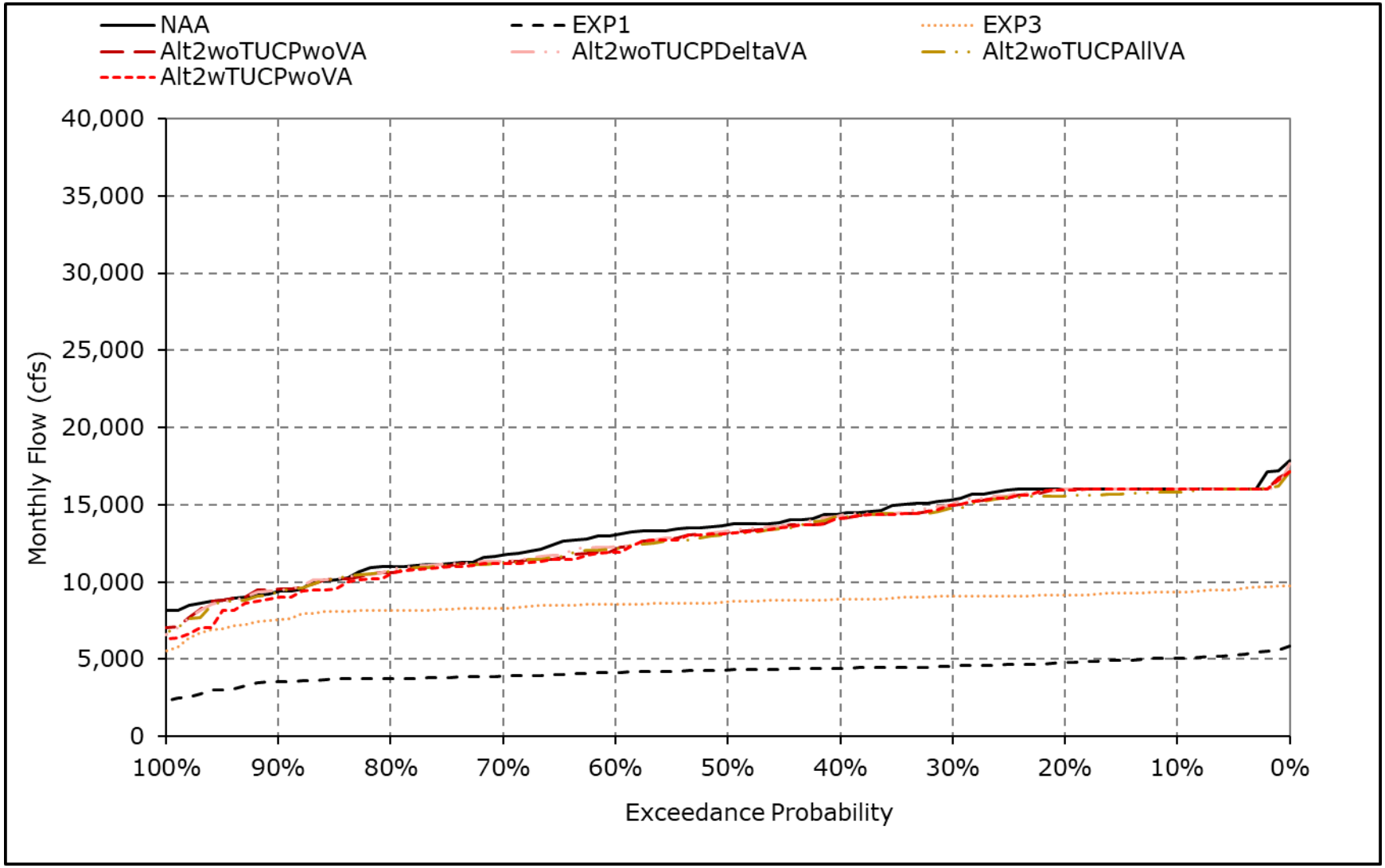
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



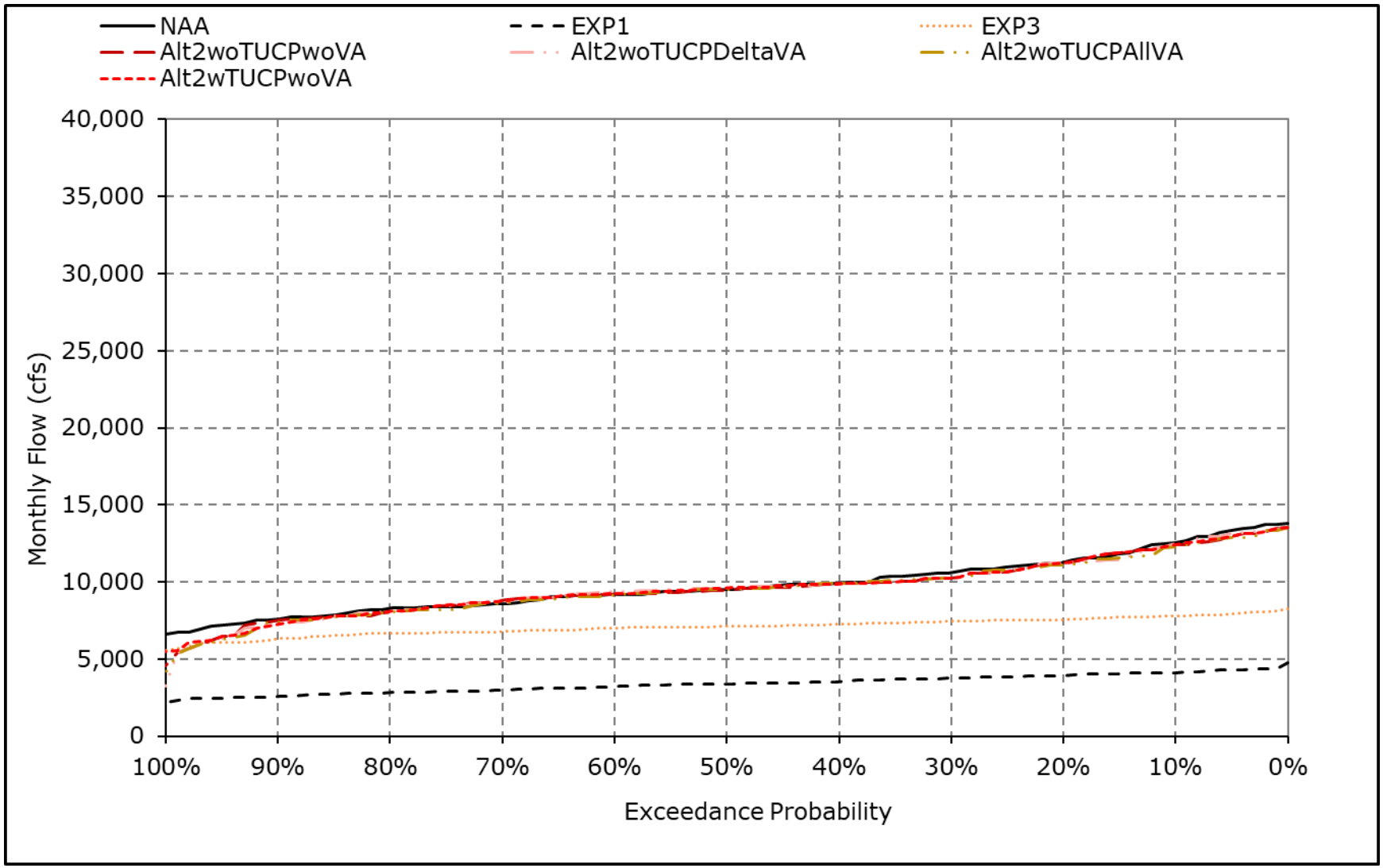
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-3-16. Sacramento River Flow downstream of Keswick Reservoir, July



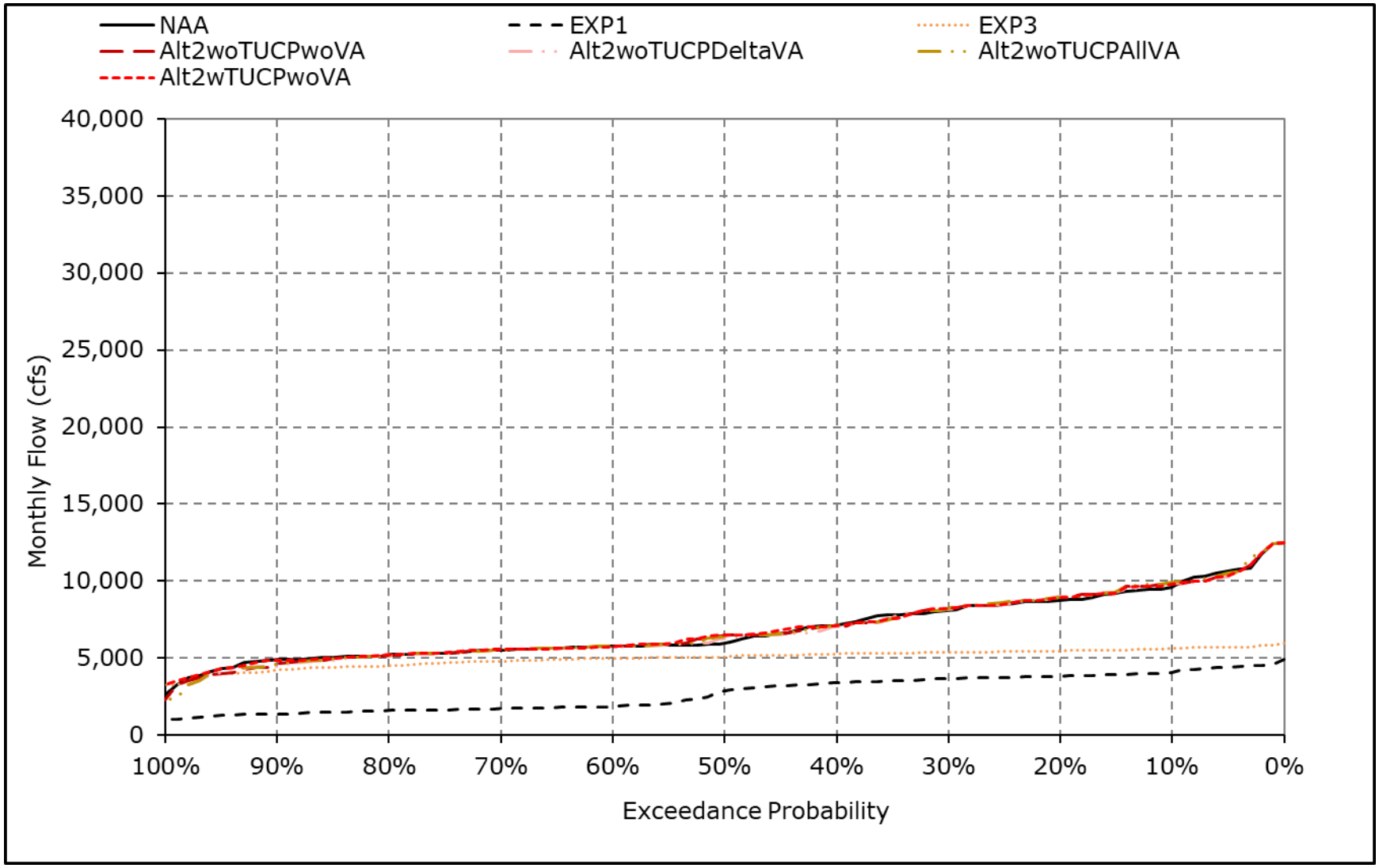
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-3-17. Sacramento River Flow downstream of Keswick Reservoir, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-3-18. Sacramento River Flow downstream of Keswick Reservoir, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-4-1a. Sacramento Flow River at Bend Bridge, NAA, 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

Table F.2.2-4-1b. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,725	10,182	27,666	35,118	48,788	26,974	15,838	12,177	13,209	16,211	12,977	10,348
20% Exceedance	8,454	8,521	16,912	22,317	30,810	20,056	11,519	10,503	12,263	15,907	11,655	9,564
30% Exceedance	7,863	7,778	11,797	16,053	18,489	13,926	9,554	9,974	11,480	15,393	10,606	9,095
40% Exceedance	7,006	7,420	8,691	11,909	13,038	10,341	8,820	9,437	10,888	14,441	10,205	7,593
50% Exceedance	6,261	6,901	7,412	8,568	10,448	8,467	8,047	9,059	10,201	13,569	9,894	6,966
60% Exceedance	5,770	6,468	6,543	7,110	8,067	7,586	7,330	8,661	9,767	12,269	9,498	6,158
70% Exceedance	5,487	6,172	6,032	6,259	7,258	6,959	6,820	8,019	9,239	11,600	9,193	5,822
80% Exceedance	5,226	5,831	5,384	5,659	6,291	6,184	6,051	7,579	8,746	11,222	8,348	5,609
90% Exceedance	4,918	5,145	4,803	4,992	5,474	5,374	5,508	6,496	8,396	9,775	7,780	5,052
Full Simulation Period Average[a]	6,814	7,606	12,218	15,381	19,452	13,997	9,801	9,485	10,537	13,261	9,987	7,453
Wet Water Years (28%)	8,407	8,668	13,580	29,707	36,666	25,013	15,184	10,075	10,185	13,917	10,771	9,732
Above Normal Water Years (14%)	7,874	8,960	10,602	18,889	26,001	16,772	9,441	9,859	11,018	15,413	11,193	9,319
Below Normal Water Years (18%)	6,402	7,278	13,731	10,364	10,357	9,279	8,110	10,835	11,183	13,966	10,889	6,476
Dry Water Years (24%)	5,842	6,759	13,820	6,569	10,477	8,324	7,625	9,040	11,208	12,780	9,460	6,098
Critical Water Years (16%)	4,826	6,014	6,910	6,103	7,295	6,110	5,862	7,273	8,998	10,161	7,339	4,960

Table F.2.2-4-1c. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	314	595	-2	186	2	-332	-1	199	-413	-186	-159	283
20% Exceedance	-40	236	289	-488	1	-453	25	-244	-305	-177	-317	62
30% Exceedance	139	152	101	-3	-20	-4	-248	111	-238	-282	-319	227
40% Exceedance	103	335	46	363	335	-28	267	-115	-409	-310	-258	-159
50% Exceedance	0	288	65	211	43	52	168	-31	-137	-317	10	-9
60% Exceedance	-22	174	140	203	-18	-55	250	95	-175	-921	-117	29
70% Exceedance	-59	193	333	144	113	14	163	-117	-36	-819	291	12
80% Exceedance	-75	54	258	121	-186	285	546	-202	-61	-18	-109	-68
90% Exceedance	-24	70	251	54	87	403	607	-856	-53	82	-242	-292
Full Simulation Period Average[a]	33	239	211	238	166	9	180	-147	-237	-361	-216	-32
Wet Water Years (28%)	21	91	104	385	173	-2	4	64	-39	-227	-89	-105
Above Normal Water Years (14%)	329	29	88	9	-40	-656	-1	-7	-7	-356	-228	134
Below Normal Water Years (18%)	-185	452	136	131	301	133	92	-100	-38	-512	-337	180
Dry Water Years (24%)	36	63	553	309	197	97	27	-269	-359	-538	0	66
Critical Water Years (16%)	20	751	74	193	135	341	972	-506	-825	-165	-615	-434

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-2a. Sacramento Flow River at Bend Bridge, NAA, 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

Table F.2.2-4-2b. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,718	10,266	27,664	35,345	48,789	26,973	15,838	12,180	13,208	16,227	13,072	10,303
20% Exceedance	8,501	8,716	17,613	22,321	30,809	20,421	11,532	10,428	12,091	15,918	11,493	9,574
30% Exceedance	7,862	7,741	11,706	16,053	18,830	13,928	9,504	9,881	11,504	15,508	10,664	8,906
40% Exceedance	7,001	7,549	8,693	11,909	13,038	10,240	8,733	9,339	10,987	14,559	10,218	7,547
50% Exceedance	6,257	6,811	7,298	8,568	10,445	8,329	7,949	9,025	10,224	13,613	10,001	6,896
60% Exceedance	5,877	6,443	6,719	7,092	8,067	7,586	7,263	8,697	9,734	12,365	9,658	6,155
70% Exceedance	5,560	6,176	5,785	6,210	7,258	6,960	6,867	8,106	9,284	11,693	9,118	5,815
80% Exceedance	5,236	5,860	5,441	5,632	6,278	6,183	6,105	7,637	8,753	11,371	8,440	5,619
90% Exceedance	4,918	5,395	4,930	4,952	5,393	5,371	5,285	6,509	8,436	9,774	7,488	5,086
Full Simulation Period Average[a]	6,849	7,633	12,222	15,310	19,421	14,025	9,772	9,489	10,530	13,321	10,001	7,420
Wet Water Years (28%)	8,408	8,754	13,523	29,681	36,680	25,003	15,184	10,057	10,196	13,912	10,818	9,735
Above Normal Water Years (14%)	7,928	9,126	10,587	18,938	26,000	17,119	9,427	9,888	10,918	15,464	11,252	9,339
Below Normal Water Years (18%)	6,476	7,290	13,834	10,331	10,395	9,274	7,923	10,835	11,181	13,979	10,885	6,453
Dry Water Years (24%)	5,847	6,722	13,869	6,426	10,455	8,252	7,551	9,055	11,202	12,950	9,472	6,029
Critical Water Years (16%)	4,912	5,918	6,856	5,917	7,065	6,110	6,014	7,282	9,033	10,228	7,278	4,863

Table F.2.2-4-2c. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	307	679	-4	412	3	-334	-1	202	-414	-169	-65	238
20% Exceedance	7	432	990	-483	-1	-88	37	-320	-477	-166	-479	73
30% Exceedance	138	114	9	-3	321	-2	-298	18	-214	-167	-261	38
40% Exceedance	98	464	47	363	335	-129	180	-212	-310	-192	-245	-205
50% Exceedance	-4	198	-49	212	40	-87	70	-65	-114	-273	117	-79
60% Exceedance	85	149	316	185	-19	-54	183	131	-208	-825	44	25
70% Exceedance	14	197	85	95	113	15	211	-30	9	-726	216	5
80% Exceedance	-65	83	315	95	-200	284	600	-143	-54	131	-18	-58
90% Exceedance	-25	319	379	14	6	400	384	-844	-13	80	-534	-258
Full Simulation Period Average[a]	69	267	215	167	135	37	151	-142	-244	-301	-202	-65
Wet Water Years (28%)	22	177	47	358	187	-12	5	47	-29	-231	-42	-102
Above Normal Water Years (14%)	383	195	73	58	-41	-309	-15	22	-107	-305	-169	154
Below Normal Water Years (18%)	-111	465	239	98	340	128	-95	-100	-41	-499	-340	156
Dry Water Years (24%)	41	26	602	166	175	25	-47	-254	-365	-368	11	-3
Critical Water Years (16%)	106	655	19	8	-94	341	1,125	-497	-790	-98	-676	-531

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-3a. Sacramento Flow River at Bend Bridge, NAA, 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

Table F.2.2-4-3b. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,568	9,939	27,647	35,326	48,790	26,977	15,907	12,407	12,569	16,075	12,967	10,395
20% Exceedance	8,286	8,796	18,036	22,808	31,394	20,545	11,702	10,462	11,572	15,644	11,491	9,594
30% Exceedance	7,907	8,005	11,722	16,058	18,897	13,928	9,772	9,837	11,069	15,181	10,595	9,004
40% Exceedance	7,173	7,519	8,693	11,908	13,038	10,291	8,941	9,422	10,625	14,501	10,174	7,575
50% Exceedance	6,316	6,975	7,248	8,569	10,444	8,328	8,390	9,118	9,902	13,282	9,958	6,989
60% Exceedance	5,882	6,337	6,640	7,092	8,067	7,592	7,699	8,611	9,468	12,431	9,572	6,214
70% Exceedance	5,512	6,121	5,799	6,166	7,300	6,960	6,991	8,067	9,075	11,654	9,034	5,866
80% Exceedance	5,200	5,779	5,318	5,556	6,574	6,146	6,383	7,551	8,714	11,181	8,299	5,664
90% Exceedance	4,918	5,208	4,874	4,947	5,473	5,365	5,534	6,964	8,146	9,483	7,675	5,087
Full Simulation Period Average[a]	6,838	7,678	12,264	15,321	19,523	14,038	10,049	9,510	10,185	13,170	9,921	7,471
Wet Water Years (28%)	8,369	8,757	13,530	29,718	36,705	25,009	15,275	10,073	10,108	13,891	10,799	9,767
Above Normal Water Years (14%)	7,793	9,168	10,605	19,041	26,095	17,176	10,118	10,068	10,220	15,258	11,029	9,397
Below Normal Water Years (18%)	6,629	7,228	13,841	10,339	10,479	9,270	8,629	10,975	10,483	13,726	10,667	6,609
Dry Water Years (24%)	5,820	6,949	14,033	6,426	10,687	8,268	7,570	8,774	10,832	12,660	9,389	6,048
Critical Water Years (16%)	4,902	5,880	6,836	5,817	7,133	6,114	6,161	7,490	8,982	10,219	7,370	4,871

Table F.2.2-4-3c. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	158	352	-21	393	4	-329	67	428	-1,053	-322	-170	331
20% Exceedance	-208	511	1,414	4	584	37	207	-286	-996	-440	-481	93
30% Exceedance	184	379	26	1	389	-2	-30	-25	-649	-494	-330	136
40% Exceedance	270	434	48	362	335	-78	388	-130	-672	-250	-289	-178
50% Exceedance	54	362	-99	212	39	-88	511	28	-436	-603	74	14
60% Exceedance	90	43	237	185	-19	-49	619	45	-474	-759	-42	84
70% Exceedance	-34	142	99	51	155	15	335	-69	-199	-765	132	57
80% Exceedance	-100	2	192	18	97	247	878	-229	-94	-59	-159	-13
90% Exceedance	-24	132	323	8	86	395	633	-388	-302	-210	-348	-257
Full Simulation Period Average[a]	58	312	257	177	236	51	428	-121	-589	-453	-283	-14
Wet Water Years (28%)	-17	179	55	395	212	-6	96	63	-117	-253	-61	-70
Above Normal Water Years (14%)	247	237	92	161	54	-252	676	202	-805	-511	-392	212
Below Normal Water Years (18%)	41	403	246	106	423	125	610	40	-738	-752	-559	312
Dry Water Years (24%)	15	253	766	167	407	41	-28	-535	-735	-658	-71	16
Critical Water Years (16%)	95	617	-1	-93	-26	345	1,272	-289	-841	-107	-583	-524

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-4a. Sacramento Flow River at Bend Bridge, NAA, 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

Table F.2.2-4-4b. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,727	10,179	27,667	37,479	48,789	28,349	15,844	12,177	13,206	16,202	12,976	10,269
20% Exceedance	8,429	8,519	16,948	24,865	30,810	20,321	11,520	10,502	12,262	15,907	11,653	9,556
30% Exceedance	7,867	7,710	11,797	16,065	18,487	13,926	9,559	9,904	11,423	15,391	10,607	9,098
40% Exceedance	7,000	7,375	8,691	11,909	13,036	10,348	8,819	9,366	10,776	14,389	10,173	7,595
50% Exceedance	6,261	6,955	7,387	8,719	10,443	8,478	8,046	9,046	10,219	13,559	9,957	7,090
60% Exceedance	5,887	6,448	6,559	7,172	8,064	7,586	7,235	8,612	9,732	12,218	9,634	6,215
70% Exceedance	5,536	6,189	5,873	6,260	7,109	6,959	6,767	8,019	9,215	11,524	9,155	5,830
80% Exceedance	5,324	5,838	5,384	5,658	6,273	5,933	5,697	7,579	8,813	11,067	8,334	5,644
90% Exceedance	4,985	5,381	4,822	4,992	5,239	4,991	4,795	6,594	8,393	9,168	7,462	5,267
Full Simulation Period Average[a]	6,872	7,612	12,220	15,482	19,441	14,015	9,680	9,472	10,503	13,100	10,011	7,519
Wet Water Years (28%)	8,408	8,660	13,585	29,808	36,667	25,014	15,184	10,072	10,181	13,907	10,766	9,726
Above Normal Water Years (14%)	7,878	8,961	10,606	19,193	26,093	17,526	9,443	9,857	11,017	15,412	11,238	9,312
Below Normal Water Years (18%)	6,436	7,277	13,745	10,369	10,360	9,281	8,111	10,978	11,225	14,075	11,045	6,598
Dry Water Years (24%)	5,846	6,760	13,826	6,556	10,599	8,315	7,650	9,051	11,198	12,736	9,469	6,101
Critical Water Years (16%)	5,165	6,073	6,890	6,305	6,954	5,571	5,068	7,023	8,760	9,113	7,267	5,251

Table F.2.2-4-4c. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	317	592	-1	2,546	3	1,042	4	198	-416	-194	-160	204
20% Exceedance	-65	235	325	2,060	1	-187	26	-245	-306	-177	-319	55
30% Exceedance	143	84	101	9	-22	-4	-243	42	-295	-284	-318	230
40% Exceedance	98	290	46	363	333	-21	265	-186	-521	-363	-290	-158
50% Exceedance	0	342	40	363	38	62	167	-44	-119	-327	73	115
60% Exceedance	95	155	157	265	-21	-54	155	45	-210	-972	19	85
70% Exceedance	-10	211	173	145	-36	14	111	-117	-60	-894	253	20
80% Exceedance	23	62	258	121	-205	34	192	-202	6	-173	-123	-33
90% Exceedance	42	305	271	54	-148	20	-106	-759	-56	-525	-560	-77
Full Simulation Period Average[a]	92	246	214	339	154	27	59	-159	-271	-523	-192	35
Wet Water Years (28%)	22	83	109	486	174	-1	5	62	-43	-236	-93	-112
Above Normal Water Years (14%)	333	30	92	313	52	98	2	-9	-8	-357	-182	127
Below Normal Water Years (18%)	-152	451	150	136	304	135	93	43	4	-403	-180	301
Dry Water Years (24%)	40	64	559	297	319	88	52	-258	-369	-582	9	70
Critical Water Years (16%)	359	810	53	396	-206	-198	178	-756	-1,063	-1,213	-686	-143

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-5a. Sacramento Flow River at Bend Bridge, NAA, 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

Table F.2.2-4-5b. Sacramento Flow River at Bend Bridge, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,557	6,475	40,908	38,425	49,883	32,402	16,782	11,203	9,093	9,524	8,000	5,932
20% Exceedance	5,448	5,862	32,010	26,907	31,886	21,167	11,430	8,693	8,945	9,346	7,864	5,803
30% Exceedance	5,313	5,629	22,900	17,387	20,757	15,420	8,609	8,275	8,642	9,209	7,738	5,752
40% Exceedance	5,214	5,393	20,505	13,247	13,717	11,633	6,718	8,019	8,492	9,149	7,637	5,705
50% Exceedance	5,127	5,240	16,845	8,855	11,511	8,274	5,720	7,806	8,238	8,968	7,553	5,576
60% Exceedance	4,988	5,121	12,151	6,981	7,952	7,364	5,481	7,593	8,051	8,881	7,425	5,528
70% Exceedance	4,880	4,971	7,669	5,967	6,866	6,250	5,059	7,407	7,952	8,767	7,321	5,408
80% Exceedance	4,682	4,767	5,355	5,297	5,593	5,375	4,706	7,215	7,688	8,496	7,140	5,348
90% Exceedance	4,587	4,518	4,376	4,680	5,060	4,770	4,547	6,753	7,238	8,254	6,800	4,957
Full Simulation Period Average[a]	5,117	5,808	19,524	15,833	19,888	14,359	8,853	8,634	8,345	8,912	7,475	5,536
Wet Water Years (28%)	4,990	6,241	25,962	30,538	37,155	24,914	15,083	9,166	8,088	8,538	7,346	5,381
Above Normal Water Years (14%)	4,930	6,096	20,976	20,255	27,607	18,299	8,708	8,570	8,359	8,940	7,355	5,587
Below Normal Water Years (18%)	5,149	5,610	20,110	11,128	10,687	9,570	6,643	9,461	8,538	9,155	7,728	5,653
Dry Water Years (24%)	5,250	5,551	18,556	6,335	11,229	9,239	6,098	8,136	8,649	9,181	7,659	5,583
Critical Water Years (16%)	5,293	5,360	6,896	5,771	6,257	5,507	4,691	7,578	8,112	8,868	7,243	5,561

Table F.2.2-4-5c. Sacramento Flow River at Bend Bridge, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3,854	-3,112	13,240	3,492	1,097	5,096	943	-775	-4,529	-6,872	-5,136	-4,133
20% Exceedance	-3,046	-2,422	15,387	4,102	1,077	659	-65	-2,055	-3,622	-6,738	-4,108	-3,698
30% Exceedance	-2,410	-1,998	11,204	1,331	2,248	1,490	-1,193	-1,588	-3,076	-6,466	-3,188	-3,116
40% Exceedance	-1,689	-1,692	11,860	1,701	1,014	1,264	-1,836	-1,532	-2,805	-5,603	-2,825	-2,048
50% Exceedance	-1,134	-1,373	9,498	499	1,106	-142	-2,159	-1,284	-2,100	-4,918	-2,331	-1,399
60% Exceedance	-804	-1,173	5,749	74	-133	-277	-1,599	-974	-1,891	-4,309	-2,189	-602
70% Exceedance	-666	-1,008	1,969	-149	-278	-695	-1,597	-729	-1,323	-3,651	-1,581	-402
80% Exceedance	-619	-1,009	229	-240	-885	-524	-799	-565	-1,119	-2,744	-1,318	-329
90% Exceedance	-356	-558	-175	-258	-327	-201	-354	-599	-1,211	-1,439	-1,222	-387
Full Simulation Period Average[a]	-1,663	-1,558	7,517	690	602	371	-769	-997	-2,429	-4,710	-2,729	-1,948
Wet Water Years (28%)	-3,396	-2,336	12,487	1,216	663	-101	-96	-844	-2,136	-5,605	-3,514	-4,456
Above Normal Water Years (14%)	-2,616	-2,835	10,463	1,375	1,566	870	-734	-1,295	-2,666	-6,829	-4,066	-3,598
Below Normal Water Years (18%)	-1,438	-1,216	6,515	895	631	425	-1,375	-1,474	-2,684	-5,323	-3,497	-644
Dry Water Years (24%)	-556	-1,145	5,289	75	949	1,012	-1,500	-1,173	-2,918	-4,137	-1,802	-448
Critical Water Years (16%)	486	97	59	-138	-903	-262	-198	-201	-1,711	-1,458	-710	166

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-6a. Sacramento Flow River at Bend Bridge, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,027	12,071	34,264	42,278	48,265	36,111	27,930	14,986	8,469	5,578	4,635	4,838
20% Exceedance	5,352	9,172	25,884	29,815	33,982	27,624	21,055	12,145	6,711	5,331	4,337	4,397
30% Exceedance	5,005	7,496	17,882	23,948	27,451	22,797	17,576	10,011	5,847	5,135	4,196	4,200
40% Exceedance	4,519	5,918	13,553	19,349	23,601	19,251	13,553	8,411	5,284	4,852	4,066	3,844
50% Exceedance	4,278	5,320	10,252	14,920	18,323	16,322	11,154	7,346	5,044	4,704	3,891	3,381
60% Exceedance	4,000	4,872	8,452	11,579	14,208	14,321	9,625	6,850	4,807	4,511	3,684	2,224
70% Exceedance	3,588	4,356	6,858	8,435	12,672	12,485	8,313	6,010	4,501	4,376	3,486	1,996
80% Exceedance	3,135	4,107	5,342	7,386	8,862	10,273	7,710	5,464	4,248	4,123	3,262	1,854
90% Exceedance	2,490	3,546	4,556	5,828	7,262	7,008	6,267	4,902	3,713	3,913	3,117	1,720
Full Simulation Period Average[a]	4,473	7,035	15,253	19,558	23,381	19,698	14,402	8,978	5,668	4,730	3,853	3,192
Wet Water Years (28%)	4,961	7,937	15,052	33,684	38,000	29,774	23,217	12,611	7,367	4,980	4,411	4,488
Above Normal Water Years (14%)	4,781	7,551	15,268	26,200	30,387	24,274	16,239	9,679	5,890	4,360	4,123	3,865
Below Normal Water Years (18%)	4,363	7,111	17,411	16,075	15,742	16,209	12,552	8,261	5,169	4,897	3,889	3,057
Dry Water Years (24%)	4,925	7,128	16,642	9,709	17,013	14,993	10,011	7,114	4,916	4,827	3,597	2,139
Critical Water Years (16%)	2,660	4,591	10,798	7,716	9,815	9,042	6,040	5,607	4,189	4,282	2,984	2,066

Table F.2.2-4-6b. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,725	10,182	27,666	35,118	48,788	26,974	15,838	12,177	13,209	16,211	12,977	10,348
20% Exceedance	8,454	8,521	16,912	22,317	30,810	20,056	11,519	10,503	12,263	15,907	11,655	9,564
30% Exceedance	7,863	7,778	11,797	16,053	18,489	13,926	9,554	9,974	11,480	15,393	10,606	9,095
40% Exceedance	7,006	7,420	8,691	11,909	13,038	10,341	8,820	9,437	10,888	14,441	10,205	7,593
50% Exceedance	6,261	6,901	7,412	8,568	10,448	8,467	8,047	9,059	10,201	13,569	9,894	6,966
60% Exceedance	5,770	6,468	6,543	7,110	8,067	7,586	7,330	8,661	9,767	12,269	9,498	6,158
70% Exceedance	5,487	6,172	6,032	6,259	7,258	6,959	6,820	8,019	9,239	11,600	9,193	5,822
80% Exceedance	5,226	5,831	5,384	5,659	6,291	6,184	6,051	7,579	8,746	11,222	8,348	5,609
90% Exceedance	4,918	5,145	4,803	4,992	5,474	5,374	5,508	6,496	8,396	9,775	7,780	5,052
Full Simulation Period Average[a]	6,814	7,606	12,218	15,381	19,452	13,997	9,801	9,485	10,537	13,261	9,987	7,453
Wet Water Years (28%)	8,407	8,668	13,580	29,707	36,666	25,013	15,184	10,075	10,185	13,917	10,771	9,732
Above Normal Water Years (14%)	7,874	8,960	10,602	18,889	26,001	16,772	9,441	9,859	11,018	15,413	11,193	9,319
Below Normal Water Years (18%)	6,402	7,278	13,731	10,364	10,357	9,279	8,110	10,835	11,183	13,966	10,889	6,476
Dry Water Years (24%)	5,842	6,759	13,820	6,569	10,477	8,324	7,625	9,040	11,208	12,780	9,460	6,098
Critical Water Years (16%)	4,826	6,014	6,910	6,103	7,295	6,110	5,862	7,273	8,998	10,161	7,339	4,960

Table F.2.2-4-6c. Sacramento Flow River at Bend Bridge, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,698	-1,889	-6,598	-7,160	523	-9,136	-12,092	-2,808	4,739	10,633	8,342	5,510
20% Exceedance	3,102	-651	-8,972	-7,499	-3,172	-7,568	-9,536	-1,642	5,552	10,576	7,318	5,167
30% Exceedance	2,858	282	-6,085	-7,895	-8,963	-8,871	-8,022	-37	5,633	10,258	6,410	4,895
40% Exceedance	2,487	1,502	-4,862	-7,440	-10,563	-8,910	-4,733	1,025	5,605	9,589	6,138	3,749
50% Exceedance	1,983	1,581	-2,840	-6,352	-7,875	-7,854	-3,108	1,713	5,157	8,864	6,003	3,585
60% Exceedance	1,769	1,596	-1,909	-4,468	-6,142	-6,735	-2,295	1,812	4,960	7,758	5,814	3,935
70% Exceedance	1,899	1,816	-825	-2,177	-5,414	-5,526	-1,493	2,010	4,737	7,223	5,707	3,826
80% Exceedance	2,091	1,724	43	-1,727	-2,571	-4,089	-1,659	2,115	4,499	7,099	5,086	3,755
90% Exceedance	2,429	1,600	247	-835	-1,789	-1,634	-759	1,594	4,682	5,862	4,662	3,332
Full Simulation Period Average[a]	2,341	571	-3,035	-4,177	-3,929	-5,701	-4,601	507	4,869	8,531	6,134	4,261
Wet Water Years (28%)	3,446	731	-1,472	-3,976	-1,334	-4,762	-8,033	-2,537	2,818	8,936	6,360	5,244
Above Normal Water Years (14%)	3,093	1,409	-4,666	-7,311	-4,386	-7,502	-6,798	180	5,128	11,053	7,070	5,454
Below Normal Water Years (18%)	2,039	167	-3,680	-5,711	-5,385	-6,930	-4,441	2,573	6,014	9,069	6,999	3,419
Dry Water Years (24%)	917	-369	-2,822	-3,140	-6,536	-6,669	-2,386	1,926	6,292	7,953	5,863	3,959
Critical Water Years (16%)	2,166	1,423	-3,888	-1,614	-2,520	-2,931	-178	1,667	4,810	5,879	4,354	2,894

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-7a. Sacramento Flow River at Bend Bridge, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,027	12,071	34,264	42,278	48,265	36,111	27,930	14,986	8,469	5,578	4,635	4,838
20% Exceedance	5,352	9,172	25,884	29,815	33,982	27,624	21,055	12,145	6,711	5,331	4,337	4,397
30% Exceedance	5,005	7,496	17,882	23,948	27,451	22,797	17,576	10,011	5,847	5,135	4,196	4,200
40% Exceedance	4,519	5,918	13,553	19,349	23,601	19,251	13,553	8,411	5,284	4,852	4,066	3,844
50% Exceedance	4,278	5,320	10,252	14,920	18,323	16,322	11,154	7,346	5,044	4,704	3,891	3,381
60% Exceedance	4,000	4,872	8,452	11,579	14,208	14,321	9,625	6,850	4,807	4,511	3,684	2,224
70% Exceedance	3,588	4,356	6,858	8,435	12,672	12,485	8,313	6,010	4,501	4,376	3,486	1,996
80% Exceedance	3,135	4,107	5,342	7,386	8,862	10,273	7,710	5,464	4,248	4,123	3,262	1,854
90% Exceedance	2,490	3,546	4,556	5,828	7,262	7,008	6,267	4,902	3,713	3,913	3,117	1,720
Full Simulation Period Average[a]	4,473	7,035	15,253	19,558	23,381	19,698	14,402	8,978	5,668	4,730	3,853	3,192
Wet Water Years (28%)	4,961	7,937	15,052	33,684	38,000	29,774	23,217	12,611	7,367	4,980	4,411	4,488
Above Normal Water Years (14%)	4,781	7,551	15,268	26,200	30,387	24,274	16,239	9,679	5,890	4,360	4,123	3,865
Below Normal Water Years (18%)	4,363	7,111	17,411	16,075	15,742	16,209	12,552	8,261	5,169	4,897	3,889	3,057
Dry Water Years (24%)	4,925	7,128	16,642	9,709	17,013	14,993	10,011	7,114	4,916	4,827	3,597	2,139
Critical Water Years (16%)	2,660	4,591	10,798	7,716	9,815	9,042	6,040	5,607	4,189	4,282	2,984	2,066

Table F.2.2-4-7b. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,718	10,266	27,664	35,345	48,789	26,973	15,838	12,180	13,208	16,227	13,072	10,303
20% Exceedance	8,501	8,716	17,613	22,321	30,809	20,421	11,532	10,428	12,091	15,918	11,493	9,574
30% Exceedance	7,862	7,741	11,706	16,053	18,830	13,928	9,504	9,881	11,504	15,508	10,664	8,906
40% Exceedance	7,001	7,549	8,693	11,909	13,038	10,240	8,733	9,339	10,987	14,559	10,218	7,547
50% Exceedance	6,257	6,811	7,298	8,568	10,445	8,329	7,949	9,025	10,224	13,613	10,001	6,896
60% Exceedance	5,877	6,443	6,719	7,092	8,067	7,586	7,263	8,697	9,734	12,365	9,658	6,155
70% Exceedance	5,560	6,176	5,785	6,210	7,258	6,960	6,867	8,106	9,284	11,693	9,118	5,815
80% Exceedance	5,236	5,860	5,441	5,632	6,278	6,183	6,105	7,637	8,753	11,371	8,440	5,619
90% Exceedance	4,918	5,395	4,930	4,952	5,393	5,371	5,285	6,509	8,436	9,774	7,488	5,086
Full Simulation Period Average[a]	6,849	7,633	12,222	15,310	19,421	14,025	9,772	9,489	10,530	13,321	10,001	7,420
Wet Water Years (28%)	8,408	8,754	13,523	29,681	36,680	25,003	15,184	10,057	10,196	13,912	10,818	9,735
Above Normal Water Years (14%)	7,928	9,126	10,587	18,938	26,000	17,119	9,427	9,888	10,918	15,464	11,252	9,339
Below Normal Water Years (18%)	6,476	7,290	13,834	10,331	10,395	9,274	7,923	10,835	11,181	13,979	10,885	6,453
Dry Water Years (24%)	5,847	6,722	13,869	6,426	10,455	8,252	7,551	9,055	11,202	12,950	9,472	6,029
Critical Water Years (16%)	4,912	5,918	6,856	5,917	7,065	6,110	6,014	7,282	9,033	10,228	7,278	4,863

Table F.2.2-4-7c. Sacramento Flow River at Bend Bridge, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,691	-1,805	-6,600	-6,933	524	-9,138	-12,092	-2,805	4,738	10,649	8,436	5,465
20% Exceedance	3,148	-456	-8,270	-7,494	-3,174	-7,203	-9,524	-1,718	5,380	10,587	7,156	5,177
30% Exceedance	2,857	245	-6,176	-7,895	-8,621	-8,869	-8,072	-130	5,657	10,373	6,468	4,706
40% Exceedance	2,482	1,631	-4,861	-7,440	-10,563	-9,011	-4,820	928	5,703	9,707	6,152	3,703
50% Exceedance	1,979	1,491	-2,954	-6,352	-7,878	-7,993	-3,205	1,680	5,180	8,908	6,110	3,515
60% Exceedance	1,876	1,571	-1,733	-4,486	-6,142	-6,735	-2,362	1,848	4,926	7,854	5,974	3,931
70% Exceedance	1,971	1,820	-1,073	-2,226	-5,414	-5,525	-1,446	2,096	4,782	7,316	5,632	3,819
80% Exceedance	2,101	1,753	99	-1,754	-2,584	-4,091	-1,605	2,174	4,506	7,248	5,177	3,765
90% Exceedance	2,429	1,849	374	-875	-1,870	-1,637	-982	1,607	4,723	5,860	4,370	3,366
Full Simulation Period Average[a]	2,376	599	-3,031	-4,247	-3,960	-5,673	-4,630	511	4,862	8,591	6,148	4,228
Wet Water Years (28%)	3,446	817	-1,529	-4,003	-1,320	-4,771	-8,033	-2,554	2,829	8,932	6,407	5,247
Above Normal Water Years (14%)	3,147	1,574	-4,681	-7,261	-4,388	-7,155	-6,812	209	5,029	11,104	7,129	5,473
Below Normal Water Years (18%)	2,113	179	-3,577	-5,744	-5,346	-6,936	-4,629	2,573	6,012	9,083	6,996	3,396
Dry Water Years (24%)	922	-406	-2,773	-3,283	-6,558	-6,741	-2,460	1,941	6,286	8,123	5,874	3,890
Critical Water Years (16%)	2,252	1,327	-3,943	-1,800	-2,750	-2,932	-26	1,675	4,845	5,946	4,293	2,798

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-8a. Sacramento Flow River at Bend Bridge, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,027	12,071	34,264	42,278	48,265	36,111	27,930	14,986	8,469	5,578	4,635	4,838
20% Exceedance	5,352	9,172	25,884	29,815	33,982	27,624	21,055	12,145	6,711	5,331	4,337	4,397
30% Exceedance	5,005	7,496	17,882	23,948	27,451	22,797	17,576	10,011	5,847	5,135	4,196	4,200
40% Exceedance	4,519	5,918	13,553	19,349	23,601	19,251	13,553	8,411	5,284	4,852	4,066	3,844
50% Exceedance	4,278	5,320	10,252	14,920	18,323	16,322	11,154	7,346	5,044	4,704	3,891	3,381
60% Exceedance	4,000	4,872	8,452	11,579	14,208	14,321	9,625	6,850	4,807	4,511	3,684	2,224
70% Exceedance	3,588	4,356	6,858	8,435	12,672	12,485	8,313	6,010	4,501	4,376	3,486	1,996
80% Exceedance	3,135	4,107	5,342	7,386	8,862	10,273	7,710	5,464	4,248	4,123	3,262	1,854
90% Exceedance	2,490	3,546	4,556	5,828	7,262	7,008	6,267	4,902	3,713	3,913	3,117	1,720
Full Simulation Period Average[a]	4,473	7,035	15,253	19,558	23,381	19,698	14,402	8,978	5,668	4,730	3,853	3,192
Wet Water Years (28%)	4,961	7,937	15,052	33,684	38,000	29,774	23,217	12,611	7,367	4,980	4,411	4,488
Above Normal Water Years (14%)	4,781	7,551	15,268	26,200	30,387	24,274	16,239	9,679	5,890	4,360	4,123	3,865
Below Normal Water Years (18%)	4,363	7,111	17,411	16,075	15,742	16,209	12,552	8,261	5,169	4,897	3,889	3,057
Dry Water Years (24%)	4,925	7,128	16,642	9,709	17,013	14,993	10,011	7,114	4,916	4,827	3,597	2,139
Critical Water Years (16%)	2,660	4,591	10,798	7,716	9,815	9,042	6,040	5,607	4,189	4,282	2,984	2,066

Table F.2.2-4-8b. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,568	9,939	27,647	35,326	48,790	26,977	15,907	12,407	12,569	16,075	12,967	10,395
20% Exceedance	8,286	8,796	18,036	22,808	31,394	20,545	11,702	10,462	11,572	15,644	11,491	9,594
30% Exceedance	7,907	8,005	11,722	16,058	18,897	13,928	9,772	9,837	11,069	15,181	10,595	9,004
40% Exceedance	7,173	7,519	8,693	11,908	13,038	10,291	8,941	9,422	10,625	14,501	10,174	7,575
50% Exceedance	6,316	6,975	7,248	8,569	10,444	8,328	8,390	9,118	9,902	13,282	9,958	6,989
60% Exceedance	5,882	6,337	6,640	7,092	8,067	7,592	7,699	8,611	9,468	12,431	9,572	6,214
70% Exceedance	5,512	6,121	5,799	6,166	7,300	6,960	6,991	8,067	9,075	11,654	9,034	5,866
80% Exceedance	5,200	5,779	5,318	5,556	6,574	6,146	6,383	7,551	8,714	11,181	8,299	5,664
90% Exceedance	4,918	5,208	4,874	4,947	5,473	5,365	5,534	6,964	8,146	9,483	7,675	5,087
Full Simulation Period Average[a]	6,838	7,678	12,264	15,321	19,523	14,038	10,049	9,510	10,185	13,170	9,921	7,471
Wet Water Years (28%)	8,369	8,757	13,530	29,718	36,705	25,009	15,275	10,073	10,108	13,891	10,799	9,767
Above Normal Water Years (14%)	7,793	9,168	10,605	19,041	26,095	17,176	10,118	10,068	10,220	15,258	11,029	9,397
Below Normal Water Years (18%)	6,629	7,228	13,841	10,339	10,479	9,270	8,629	10,975	10,483	13,726	10,667	6,609
Dry Water Years (24%)	5,820	6,949	14,033	6,426	10,687	8,268	7,570	8,774	10,832	12,660	9,389	6,048
Critical Water Years (16%)	4,902	5,880	6,836	5,817	7,133	6,114	6,161	7,490	8,982	10,219	7,370	4,871

Table F.2.2-4-8c. Sacramento Flow River at Bend Bridge, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,542	-2,132	-6,617	-6,953	525	-9,133	-12,023	-2,579	4,100	10,497	8,331	5,558
20% Exceedance	2,934	-376	-7,847	-7,007	-2,589	-7,079	-9,354	-1,683	4,861	10,313	7,155	5,197
30% Exceedance	2,902	510	-6,159	-7,891	-8,554	-8,869	-7,804	-173	5,222	10,046	6,400	4,804
40% Exceedance	2,654	1,601	-4,860	-7,440	-10,563	-8,960	-4,612	1,010	5,341	9,649	6,108	3,731
50% Exceedance	2,037	1,655	-3,004	-6,351	-7,879	-7,994	-2,765	1,773	4,858	8,578	6,067	3,608
60% Exceedance	1,881	1,465	-1,812	-4,486	-6,142	-6,729	-1,926	1,761	4,660	7,920	5,889	3,990
70% Exceedance	1,924	1,765	-1,059	-2,269	-5,372	-5,525	-1,322	2,057	4,574	7,278	5,548	3,871
80% Exceedance	2,065	1,672	-23	-1,831	-2,288	-4,127	-1,327	2,088	4,466	7,058	5,036	3,810
90% Exceedance	2,429	1,662	318	-881	-1,789	-1,643	-733	2,062	4,433	5,570	4,557	3,368
Full Simulation Period Average[a]	2,365	643	-2,989	-4,237	-3,858	-5,659	-4,353	532	4,517	8,440	6,067	4,279
Wet Water Years (28%)	3,408	820	-1,522	-3,966	-1,295	-4,765	-7,941	-2,538	2,741	8,910	6,388	5,280
Above Normal Water Years (14%)	3,012	1,616	-4,663	-7,158	-4,292	-7,098	-6,121	389	4,330	10,898	6,906	5,532
Below Normal Water Years (18%)	2,266	117	-3,570	-5,736	-5,263	-6,939	-3,923	2,714	5,314	8,829	6,777	3,552
Dry Water Years (24%)	895	-179	-2,609	-3,283	-6,326	-6,724	-2,441	1,660	5,916	7,833	5,792	3,909
Critical Water Years (16%)	2,241	1,289	-3,962	-1,900	-2,682	-2,928	122	1,884	4,794	5,938	4,386	2,805

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-9a. Sacramento Flow River at Bend Bridge, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,027	12,071	34,264	42,278	48,265	36,111	27,930	14,986	8,469	5,578	4,635	4,838
20% Exceedance	5,352	9,172	25,884	29,815	33,982	27,624	21,055	12,145	6,711	5,331	4,337	4,397
30% Exceedance	5,005	7,496	17,882	23,948	27,451	22,797	17,576	10,011	5,847	5,135	4,196	4,200
40% Exceedance	4,519	5,918	13,553	19,349	23,601	19,251	13,553	8,411	5,284	4,852	4,066	3,844
50% Exceedance	4,278	5,320	10,252	14,920	18,323	16,322	11,154	7,346	5,044	4,704	3,891	3,381
60% Exceedance	4,000	4,872	8,452	11,579	14,208	14,321	9,625	6,850	4,807	4,511	3,684	2,224
70% Exceedance	3,588	4,356	6,858	8,435	12,672	12,485	8,313	6,010	4,501	4,376	3,486	1,996
80% Exceedance	3,135	4,107	5,342	7,386	8,862	10,273	7,710	5,464	4,248	4,123	3,262	1,854
90% Exceedance	2,490	3,546	4,556	5,828	7,262	7,008	6,267	4,902	3,713	3,913	3,117	1,720
Full Simulation Period Average[a]	4,473	7,035	15,253	19,558	23,381	19,698	14,402	8,978	5,668	4,730	3,853	3,192
Wet Water Years (28%)	4,961	7,937	15,052	33,684	38,000	29,774	23,217	12,611	7,367	4,980	4,411	4,488
Above Normal Water Years (14%)	4,781	7,551	15,268	26,200	30,387	24,274	16,239	9,679	5,890	4,360	4,123	3,865
Below Normal Water Years (18%)	4,363	7,111	17,411	16,075	15,742	16,209	12,552	8,261	5,169	4,897	3,889	3,057
Dry Water Years (24%)	4,925	7,128	16,642	9,709	17,013	14,993	10,011	7,114	4,916	4,827	3,597	2,139
Critical Water Years (16%)	2,660	4,591	10,798	7,716	9,815	9,042	6,040	5,607	4,189	4,282	2,984	2,066

Table F.2.2-4-9b. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,727	10,179	27,667	37,479	48,789	28,349	15,844	12,177	13,206	16,202	12,976	10,269
20% Exceedance	8,429	8,519	16,948	24,865	30,810	20,321	11,520	10,502	12,262	15,907	11,653	9,556
30% Exceedance	7,867	7,710	11,797	16,065	18,487	13,926	9,559	9,904	11,423	15,391	10,607	9,098
40% Exceedance	7,000	7,375	8,691	11,909	13,036	10,348	8,819	9,366	10,776	14,389	10,173	7,595
50% Exceedance	6,261	6,955	7,387	8,719	10,443	8,478	8,046	9,046	10,219	13,559	9,957	7,090
60% Exceedance	5,887	6,448	6,559	7,172	8,064	7,586	7,235	8,612	9,732	12,218	9,634	6,215
70% Exceedance	5,536	6,189	5,873	6,260	7,109	6,959	6,767	8,019	9,215	11,524	9,155	5,830
80% Exceedance	5,324	5,838	5,384	5,658	6,273	5,933	5,697	7,579	8,813	11,067	8,334	5,644
90% Exceedance	4,985	5,381	4,822	4,992	5,239	4,991	4,795	6,594	8,393	9,168	7,462	5,267
Full Simulation Period Average[a]	6,872	7,612	12,220	15,482	19,441	14,015	9,680	9,472	10,503	13,100	10,011	7,519
Wet Water Years (28%)	8,408	8,660	13,585	29,808	36,667	25,014	15,184	10,072	10,181	13,907	10,766	9,726
Above Normal Water Years (14%)	7,878	8,961	10,606	19,193	26,093	17,526	9,443	9,857	11,017	15,412	11,238	9,312
Below Normal Water Years (18%)	6,436	7,277	13,745	10,369	10,360	9,281	8,111	10,978	11,225	14,075	11,045	6,598
Dry Water Years (24%)	5,846	6,760	13,826	6,556	10,599	8,315	7,650	9,051	11,198	12,736	9,469	6,101
Critical Water Years (16%)	5,165	6,073	6,890	6,305	6,954	5,571	5,068	7,023	8,760	9,113	7,267	5,251

Table F.2.2-4-9c. Sacramento Flow River at Bend Bridge, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,701	-1,892	-6,598	-4,799	523	-7,762	-12,087	-2,809	4,737	10,624	8,341	5,431
20% Exceedance	3,077	-653	-8,936	-4,950	-3,172	-7,303	-9,535	-1,643	5,551	10,577	7,316	5,159
30% Exceedance	2,862	215	-6,084	-7,883	-8,965	-8,871	-8,017	-106	5,576	10,256	6,411	4,898
40% Exceedance	2,482	1,457	-4,862	-7,440	-10,565	-8,903	-4,735	955	5,492	9,537	6,107	3,751
50% Exceedance	1,983	1,635	-2,865	-6,201	-7,880	-7,844	-3,109	1,700	5,175	8,854	6,066	3,709
60% Exceedance	1,887	1,576	-1,892	-4,406	-6,145	-6,735	-2,389	1,762	4,925	7,707	5,950	3,992
70% Exceedance	1,948	1,833	-985	-2,176	-5,563	-5,526	-1,546	2,009	4,713	7,148	5,669	3,834
80% Exceedance	2,188	1,731	42	-1,728	-2,589	-4,341	-2,013	2,115	4,566	6,944	5,072	3,789
90% Exceedance	2,495	1,835	266	-836	-2,023	-2,017	-1,472	1,692	4,680	5,255	4,345	3,547
Full Simulation Period Average[a]	2,400	578	-3,032	-4,076	-3,940	-5,683	-4,722	494	4,835	8,370	6,158	4,327
Wet Water Years (28%)	3,447	723	-1,467	-3,875	-1,332	-4,760	-8,033	-2,539	2,815	8,927	6,355	5,238
Above Normal Water Years (14%)	3,097	1,410	-4,662	-7,007	-4,295	-6,748	-6,795	178	5,127	11,052	7,116	5,447
Below Normal Water Years (18%)	2,073	166	-3,666	-5,706	-5,382	-6,928	-4,441	2,717	6,056	9,178	7,156	3,541
Dry Water Years (24%)	921	-368	-2,816	-3,153	-6,414	-6,677	-2,361	1,937	6,282	7,908	5,872	3,962
Critical Water Years (16%)	2,505	1,482	-3,909	-1,411	-2,862	-3,470	-972	1,416	4,571	4,832	4,283	3,186

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-4-10a. Sacramento Flow River at Bend Bridge, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,027	12,071	34,264	42,278	48,265	36,111	27,930	14,986	8,469	5,578	4,635	4,838
20% Exceedance	5,352	9,172	25,884	29,815	33,982	27,624	21,055	12,145	6,711	5,331	4,337	4,397
30% Exceedance	5,005	7,496	17,882	23,948	27,451	22,797	17,576	10,011	5,847	5,135	4,196	4,200
40% Exceedance	4,519	5,918	13,553	19,349	23,601	19,251	13,553	8,411	5,284	4,852	4,066	3,844
50% Exceedance	4,278	5,320	10,252	14,920	18,323	16,322	11,154	7,346	5,044	4,704	3,891	3,381
60% Exceedance	4,000	4,872	8,452	11,579	14,208	14,321	9,625	6,850	4,807	4,511	3,684	2,224
70% Exceedance	3,588	4,356	6,858	8,435	12,672	12,485	8,313	6,010	4,501	4,376	3,486	1,996
80% Exceedance	3,135	4,107	5,342	7,386	8,862	10,273	7,710	5,464	4,248	4,123	3,262	1,854
90% Exceedance	2,490	3,546	4,556	5,828	7,262	7,008	6,267	4,902	3,713	3,913	3,117	1,720
Full Simulation Period Average[a]	4,473	7,035	15,253	19,558	23,381	19,698	14,402	8,978	5,668	4,730	3,853	3,192
Wet Water Years (28%)	4,961	7,937	15,052	33,684	38,000	29,774	23,217	12,611	7,367	4,980	4,411	4,488
Above Normal Water Years (14%)	4,781	7,551	15,268	26,200	30,387	24,274	16,239	9,679	5,890	4,360	4,123	3,865
Below Normal Water Years (18%)	4,363	7,111	17,411	16,075	15,742	16,209	12,552	8,261	5,169	4,897	3,889	3,057
Dry Water Years (24%)	4,925	7,128	16,642	9,709	17,013	14,993	10,011	7,114	4,916	4,827	3,597	2,139
Critical Water Years (16%)	2,660	4,591	10,798	7,716	9,815	9,042	6,040	5,607	4,189	4,282	2,984	2,066

Table F.2.2-4-10b. Sacramento Flow River at Bend Bridge, NAA, 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

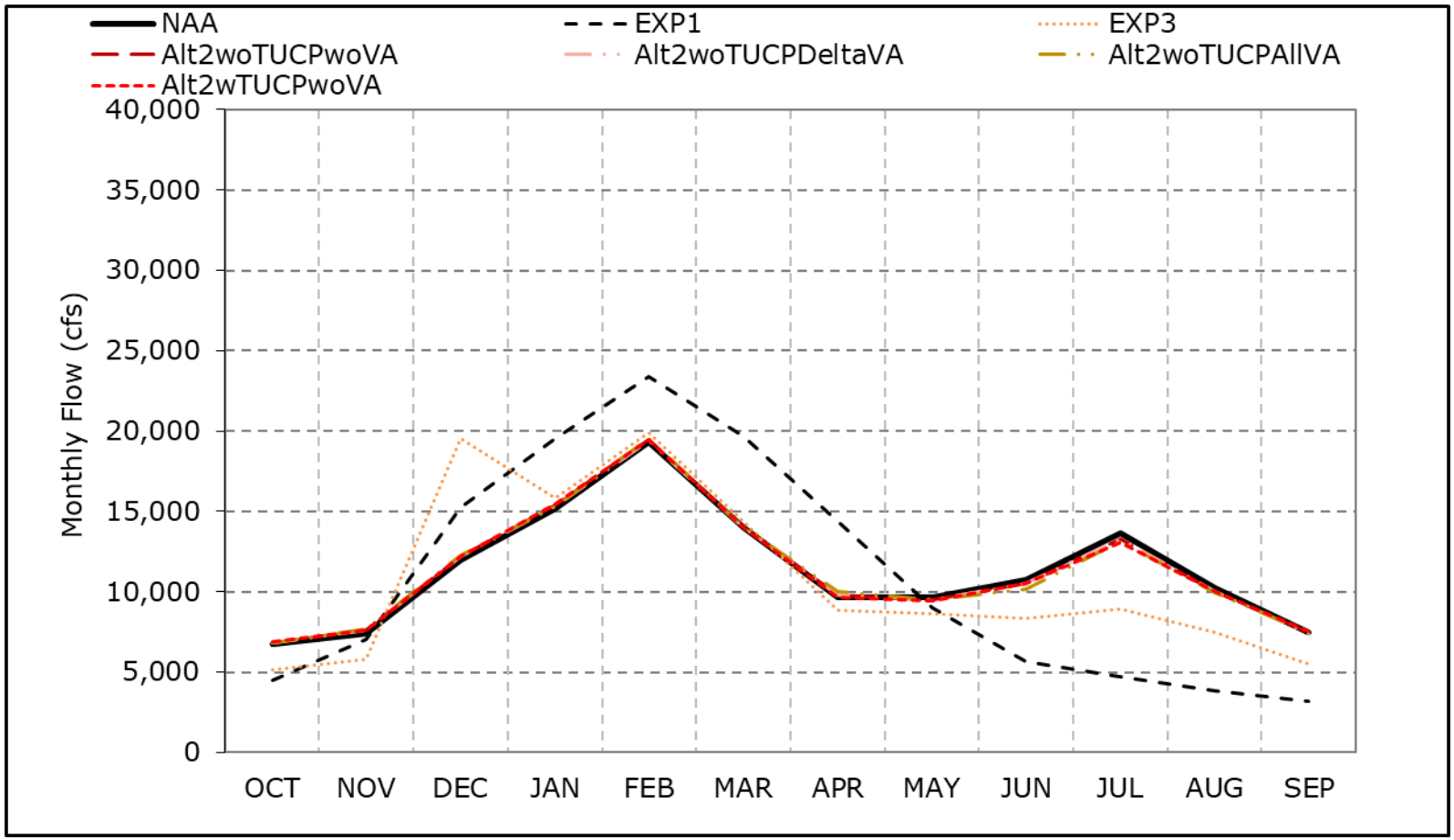
Table F.2.2-4-10c. Sacramento Flow River at Bend Bridge, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,384	-2,484	-6,596	-7,345	521	-8,804	-12,091	-3,007	5,152	10,819	8,501	5,227
20% Exceedance	3,142	-887	-9,261	-7,011	-3,173	-7,116	-9,561	-1,397	5,857	10,753	7,635	5,104
30% Exceedance	2,719	131	-6,185	-7,892	-8,942	-8,867	-7,774	-148	5,871	10,540	6,729	4,668
40% Exceedance	2,384	1,167	-4,908	-7,803	-10,898	-8,882	-5,000	1,140	6,013	9,899	6,397	3,908
50% Exceedance	1,983	1,293	-2,905	-6,563	-7,918	-7,906	-3,276	1,745	5,294	9,181	5,993	3,594
60% Exceedance	1,792	1,422	-2,049	-4,671	-6,123	-6,680	-2,545	1,717	5,135	8,679	5,930	3,906
70% Exceedance	1,958	1,623	-1,158	-2,320	-5,527	-5,540	-1,657	2,126	4,773	8,042	5,416	3,814
80% Exceedance	2,165	1,669	-216	-1,849	-2,384	-4,374	-2,205	2,317	4,560	7,117	5,195	3,822
90% Exceedance	2,453	1,530	-5	-889	-1,875	-2,038	-1,366	2,451	4,735	5,780	4,905	3,624
Full Simulation Period Average[a]	2,307	332	-3,246	-4,415	-4,095	-5,710	-4,781	654	5,106	8,892	6,350	4,293
Wet Water Years (28%)	3,425	640	-1,577	-4,362	-1,507	-4,760	-8,037	-2,601	2,858	9,163	6,449	5,350
Above Normal Water Years (14%)	2,764	1,380	-4,754	-7,319	-4,346	-6,846	-6,797	187	5,135	11,409	7,298	5,320
Below Normal Water Years (18%)	2,224	-286	-3,816	-5,842	-5,686	-7,064	-4,534	2,674	6,053	9,581	7,336	3,240
Dry Water Years (24%)	881	-432	-3,375	-3,449	-6,733	-6,766	-2,413	2,195	6,651	8,491	5,863	3,892
Critical Water Years (16%)	2,146	672	-3,962	-1,807	-2,656	-3,273	-1,150	2,173	5,634	6,044	4,969	3,329

[a] Based on the 100-year simulation period.

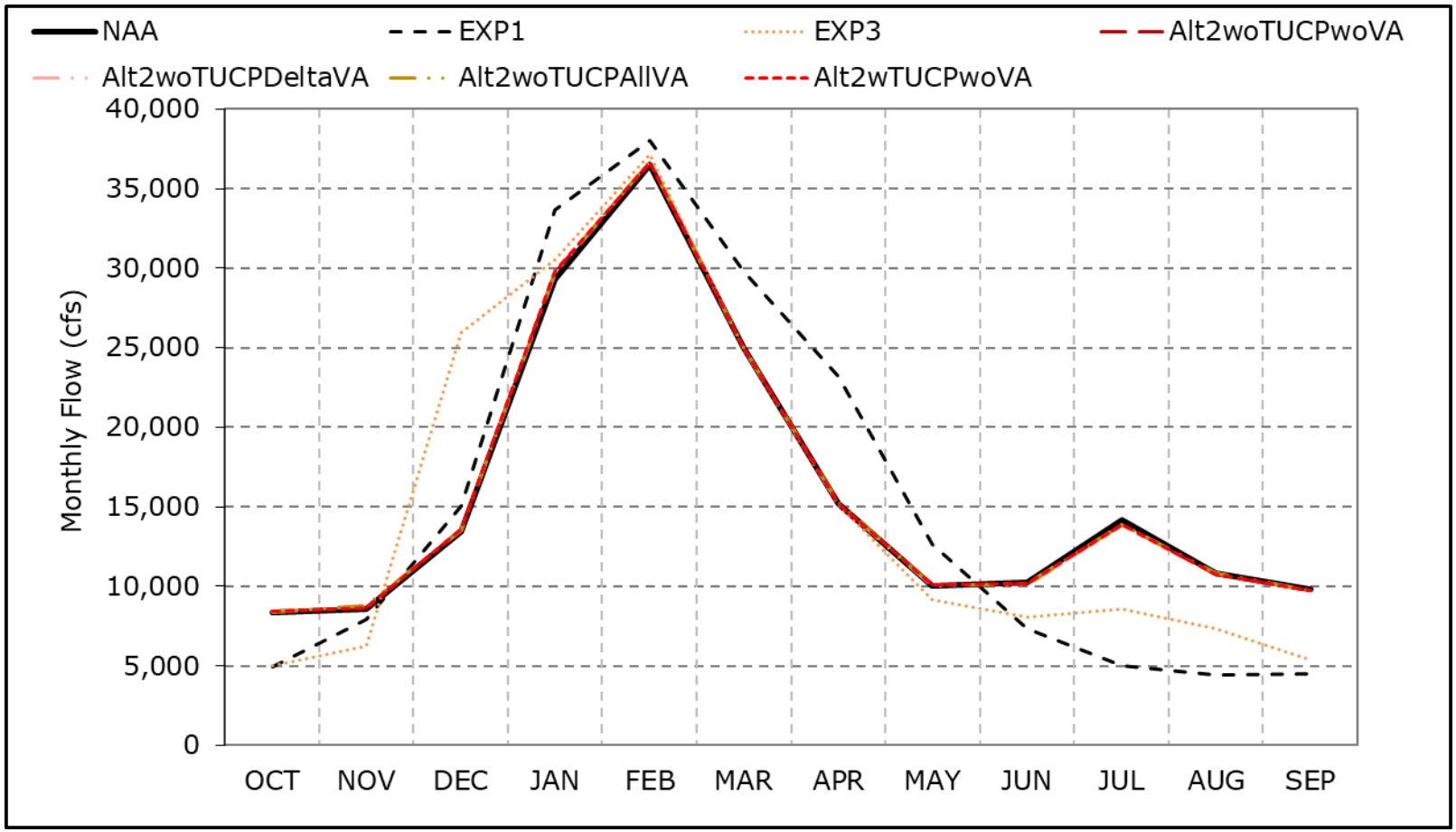
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



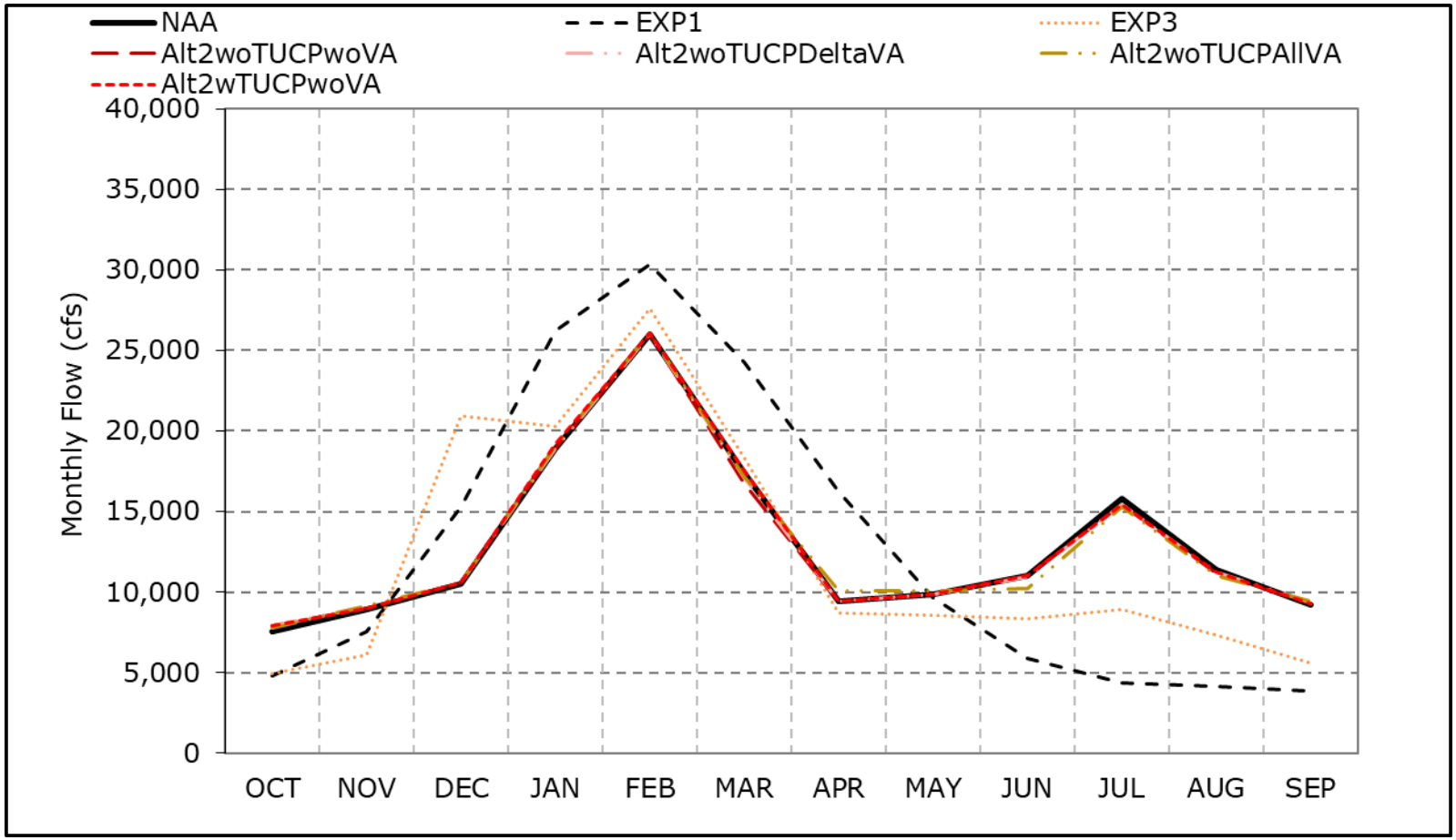
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



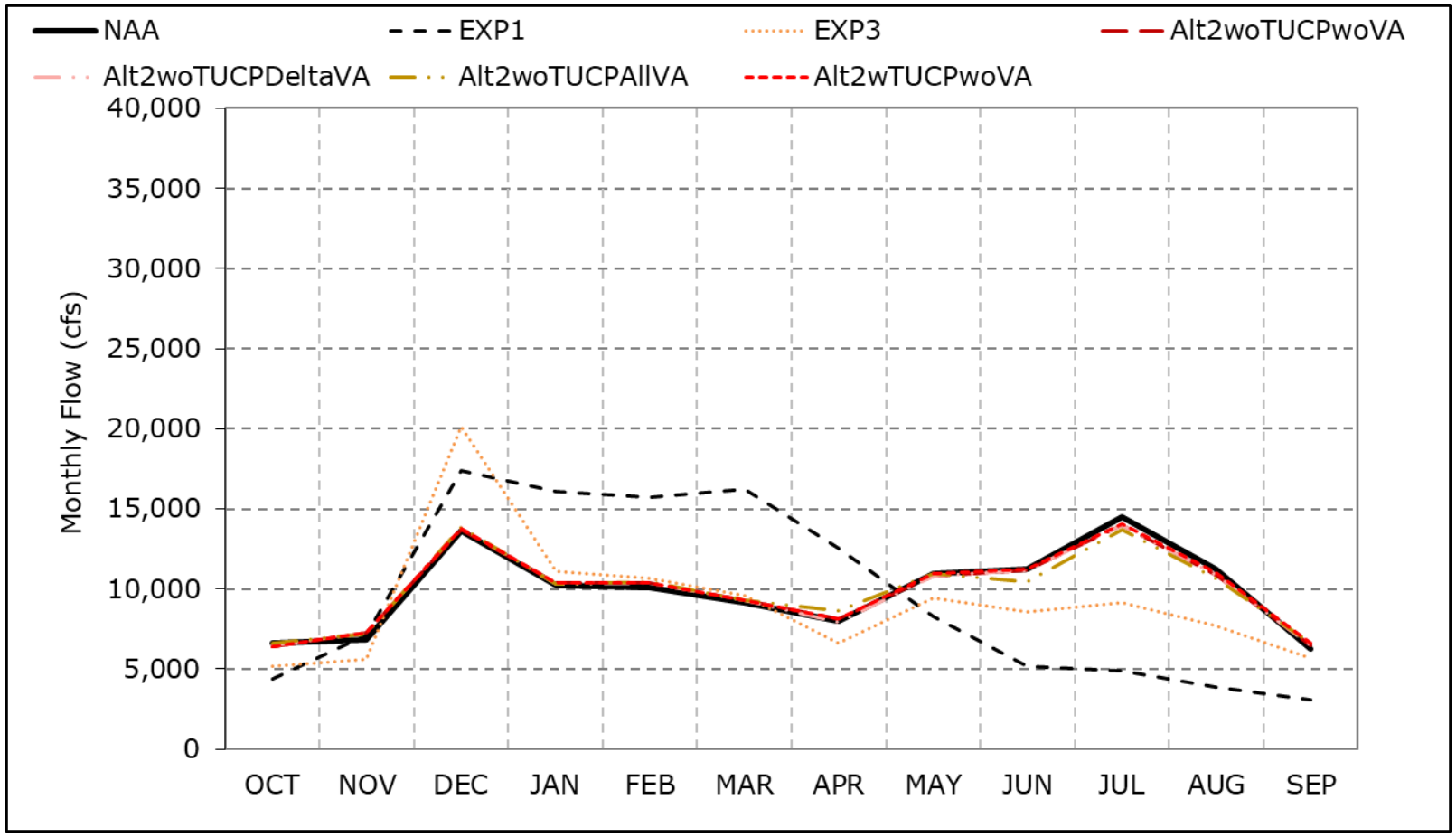
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



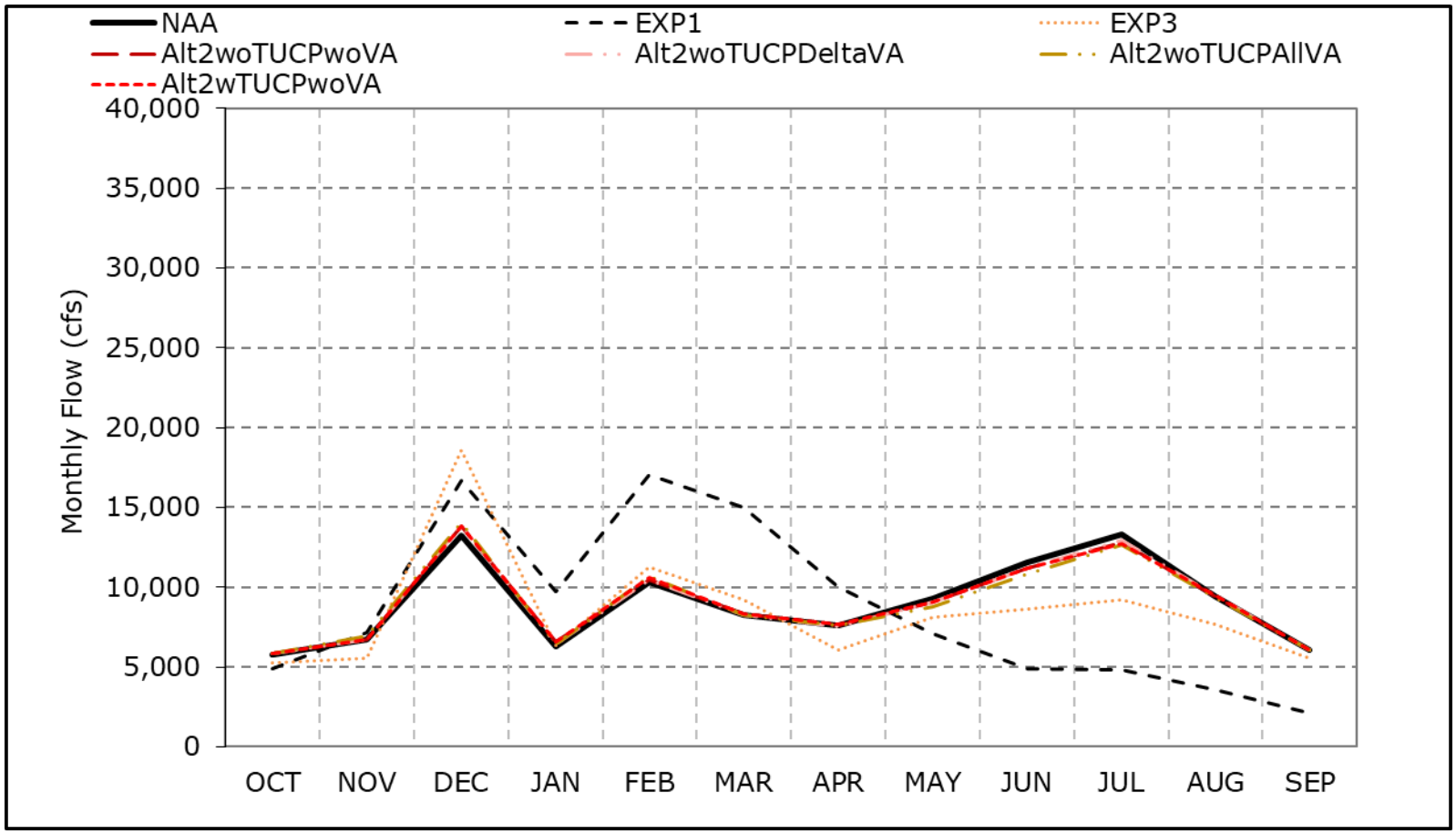
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



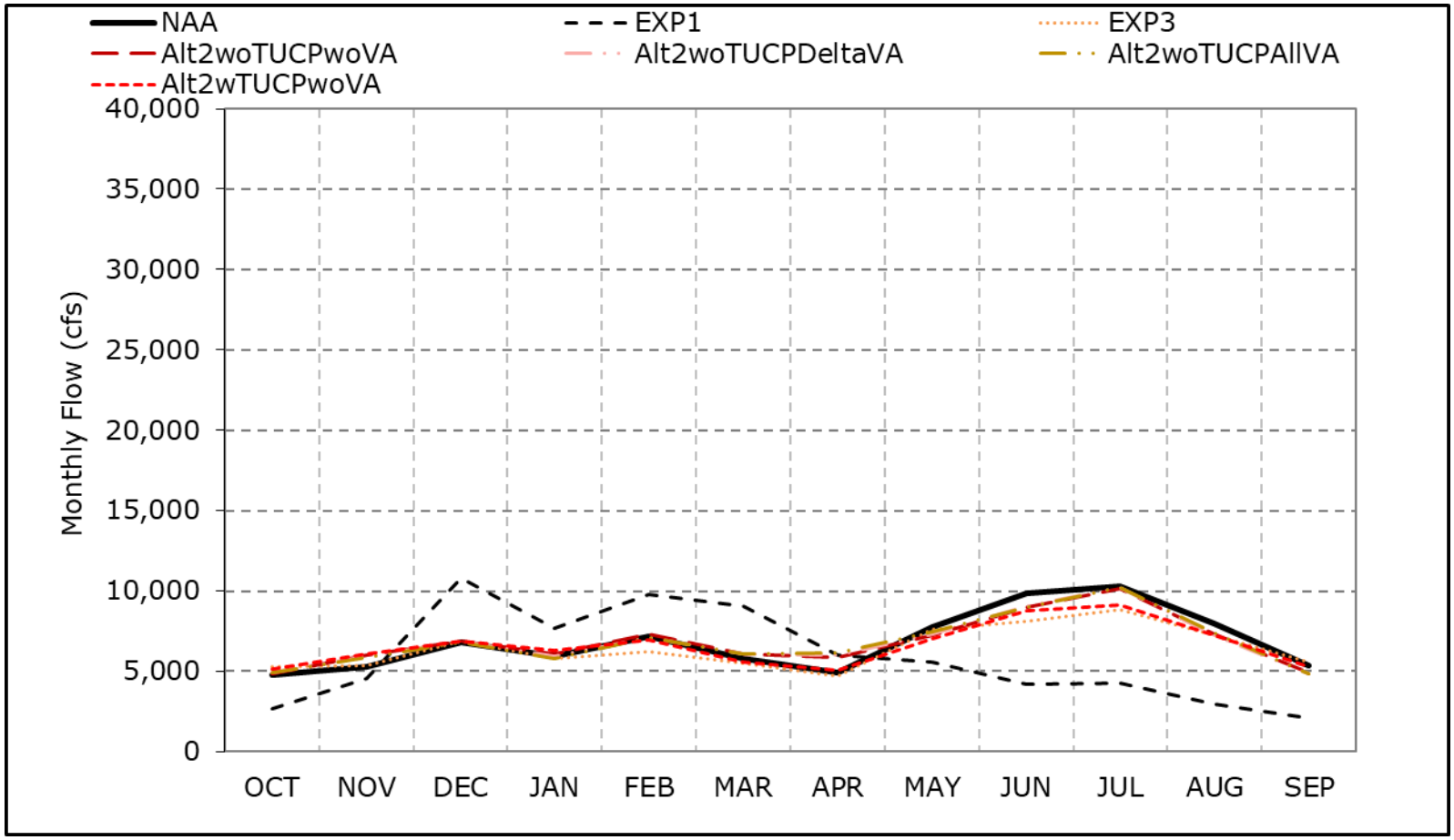
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



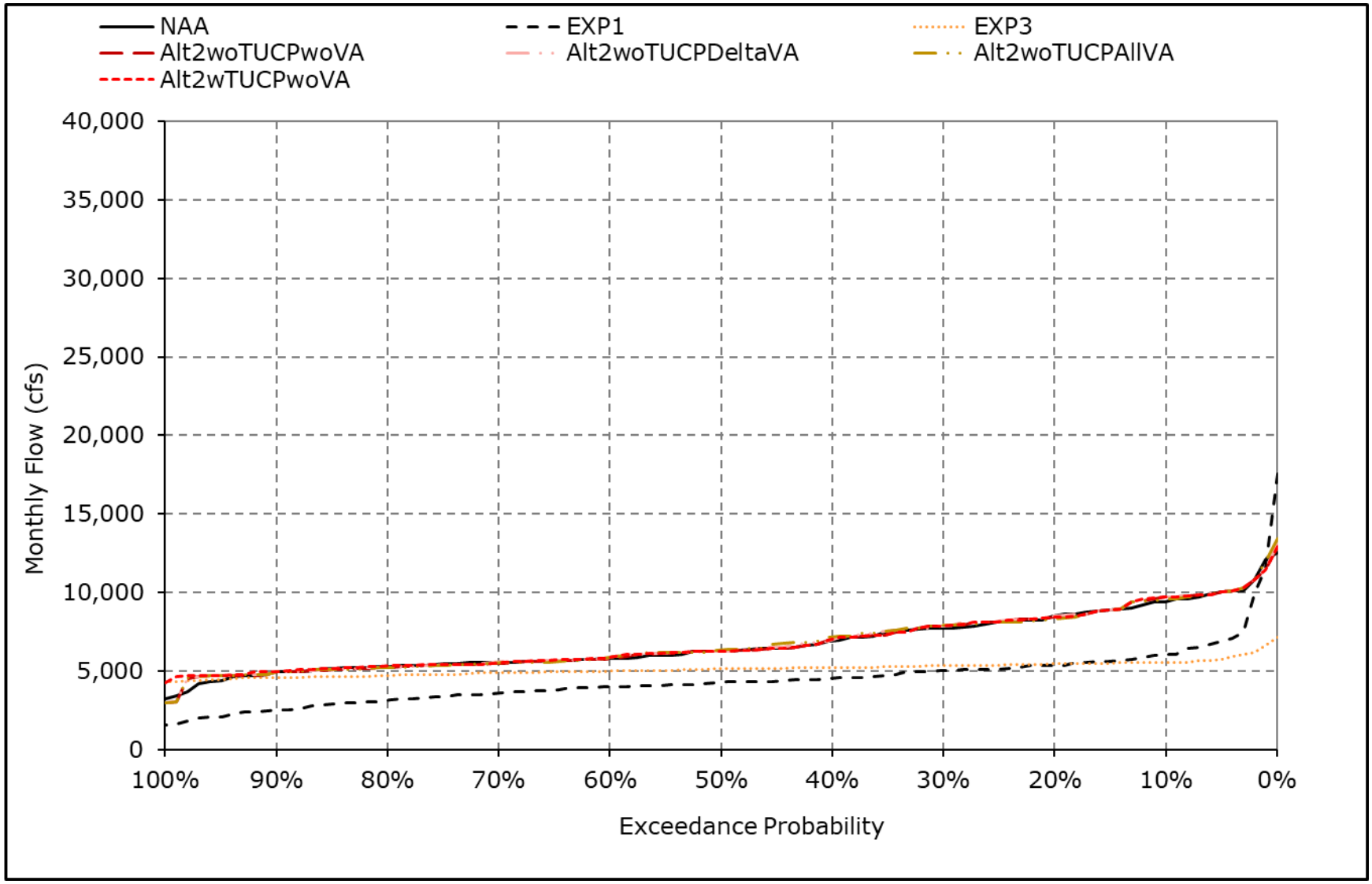
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



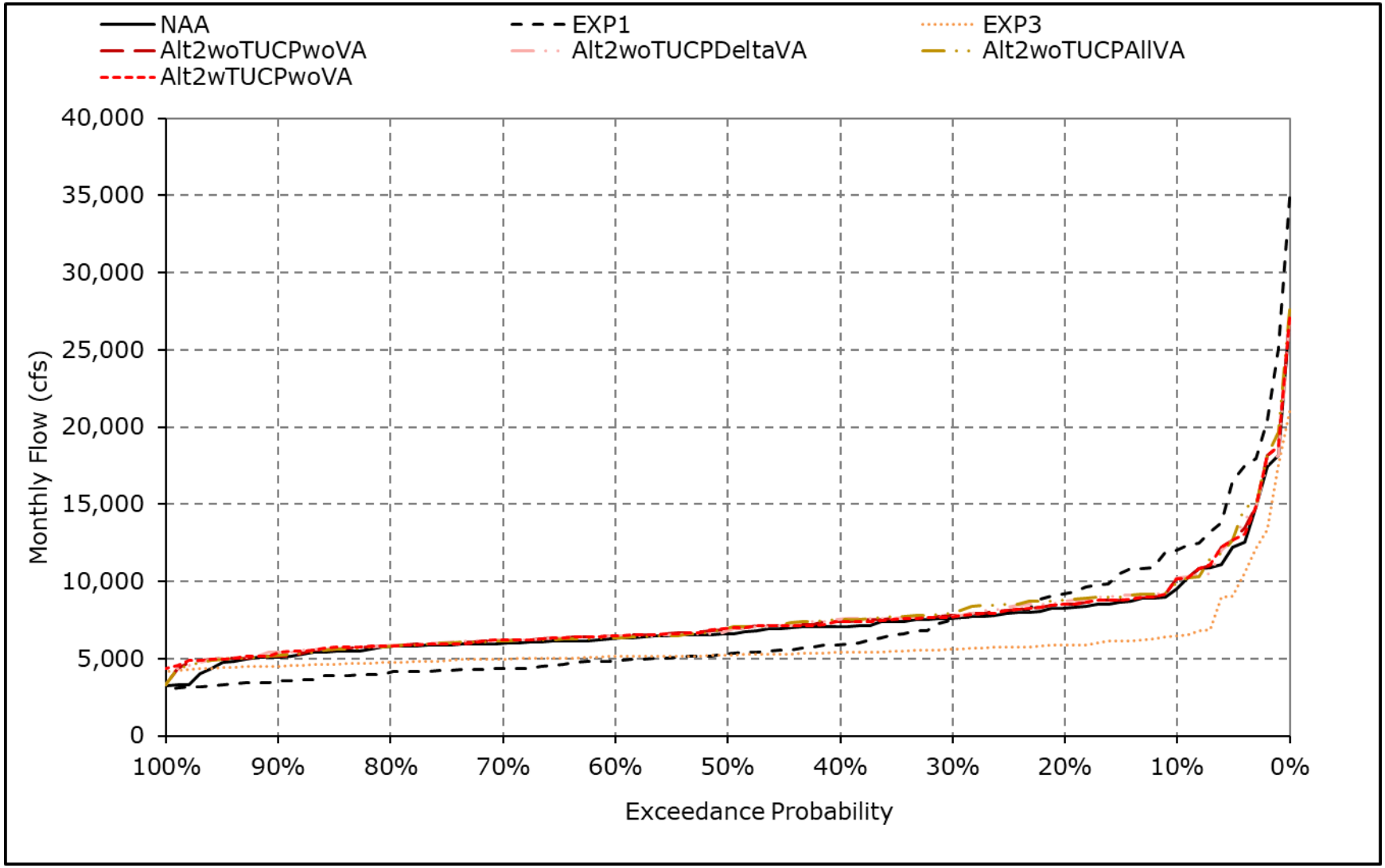
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



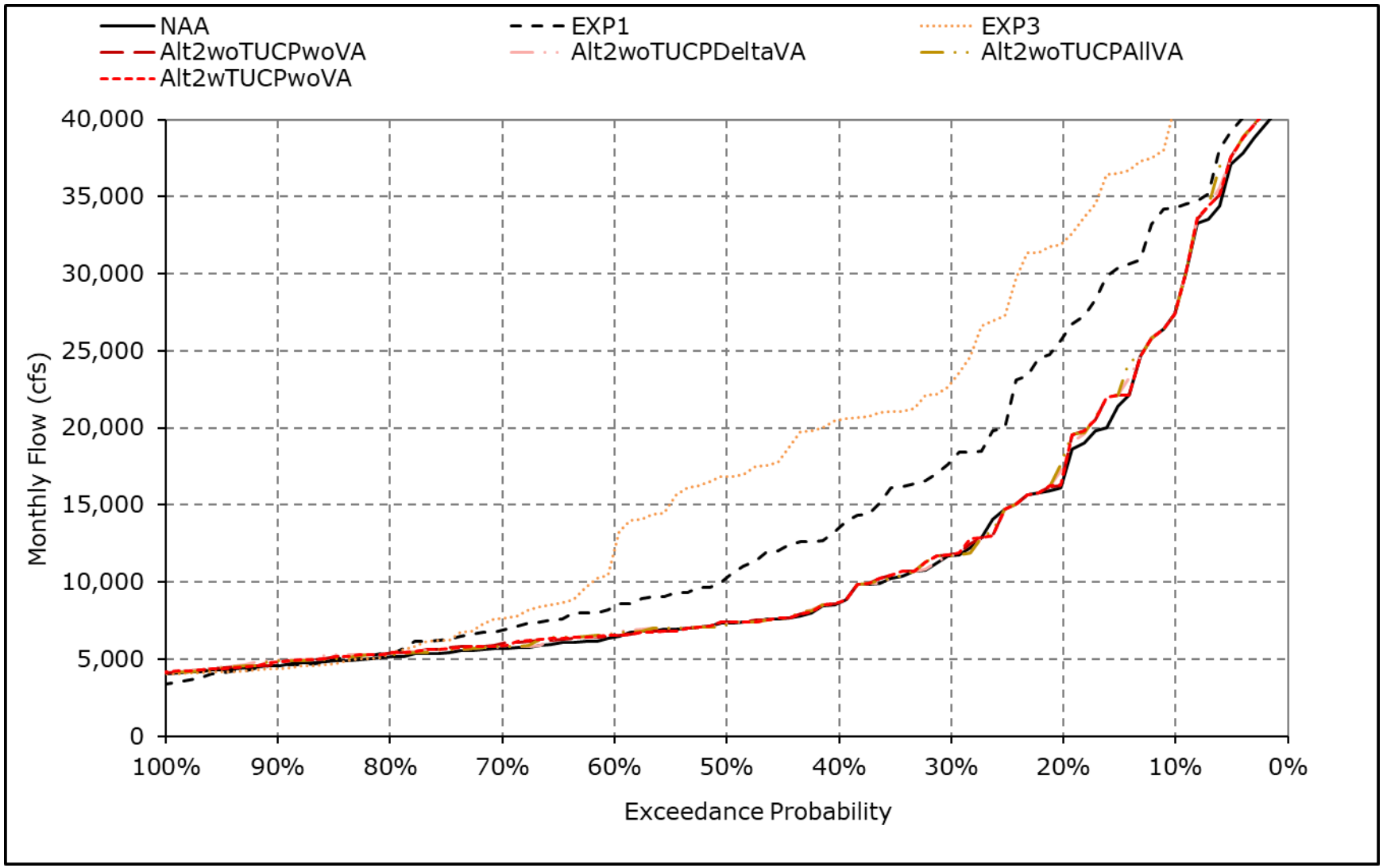
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



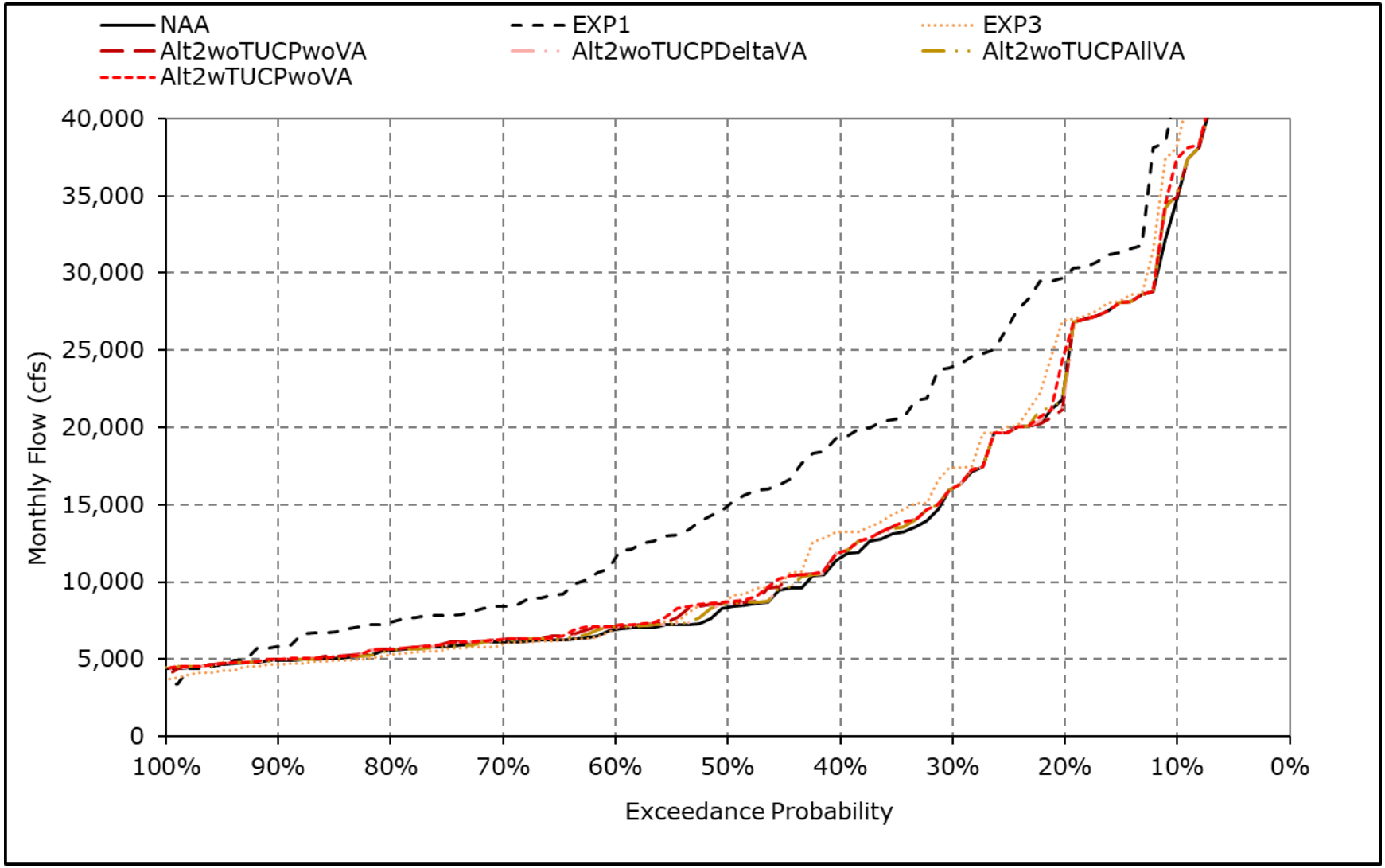
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



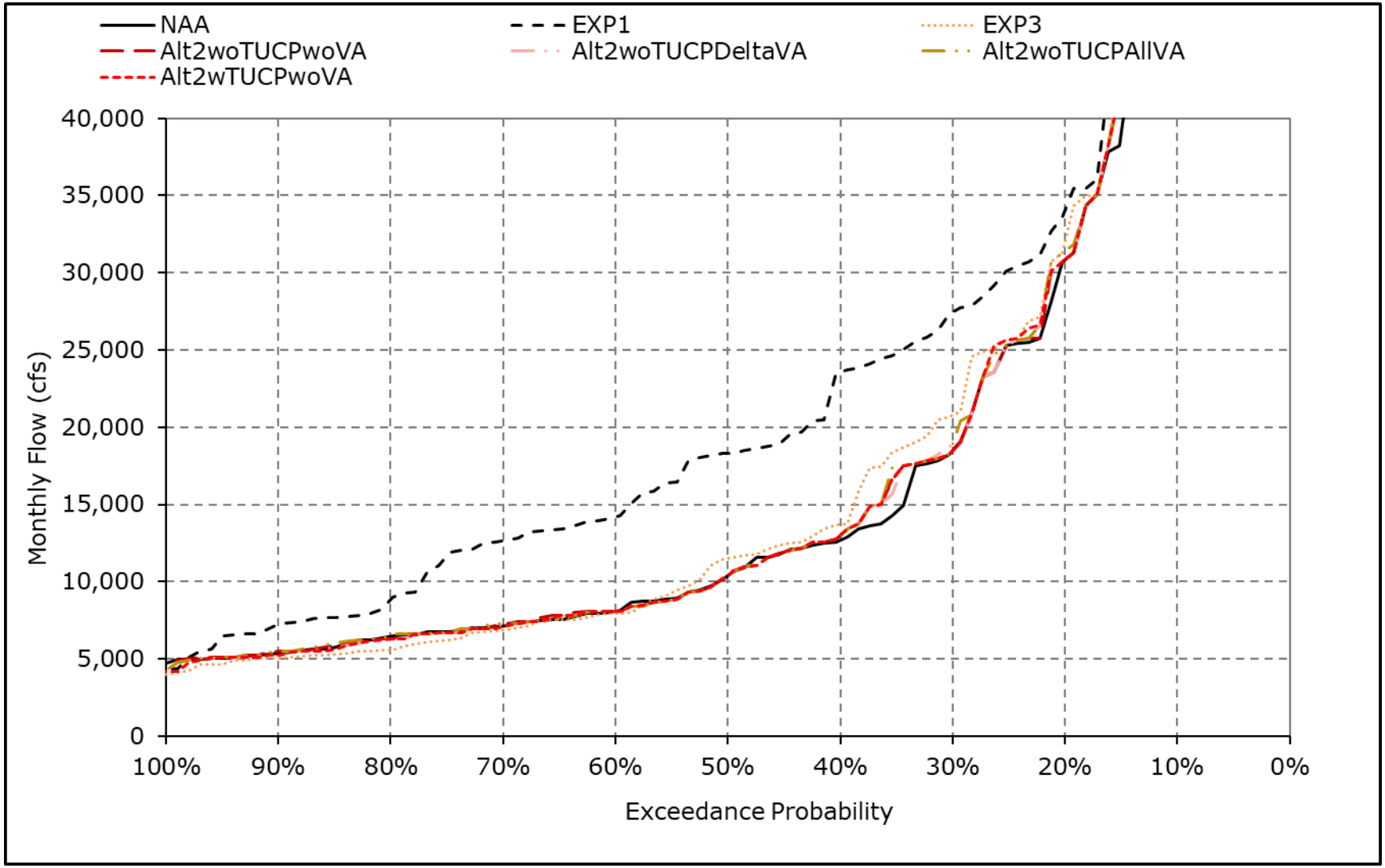
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



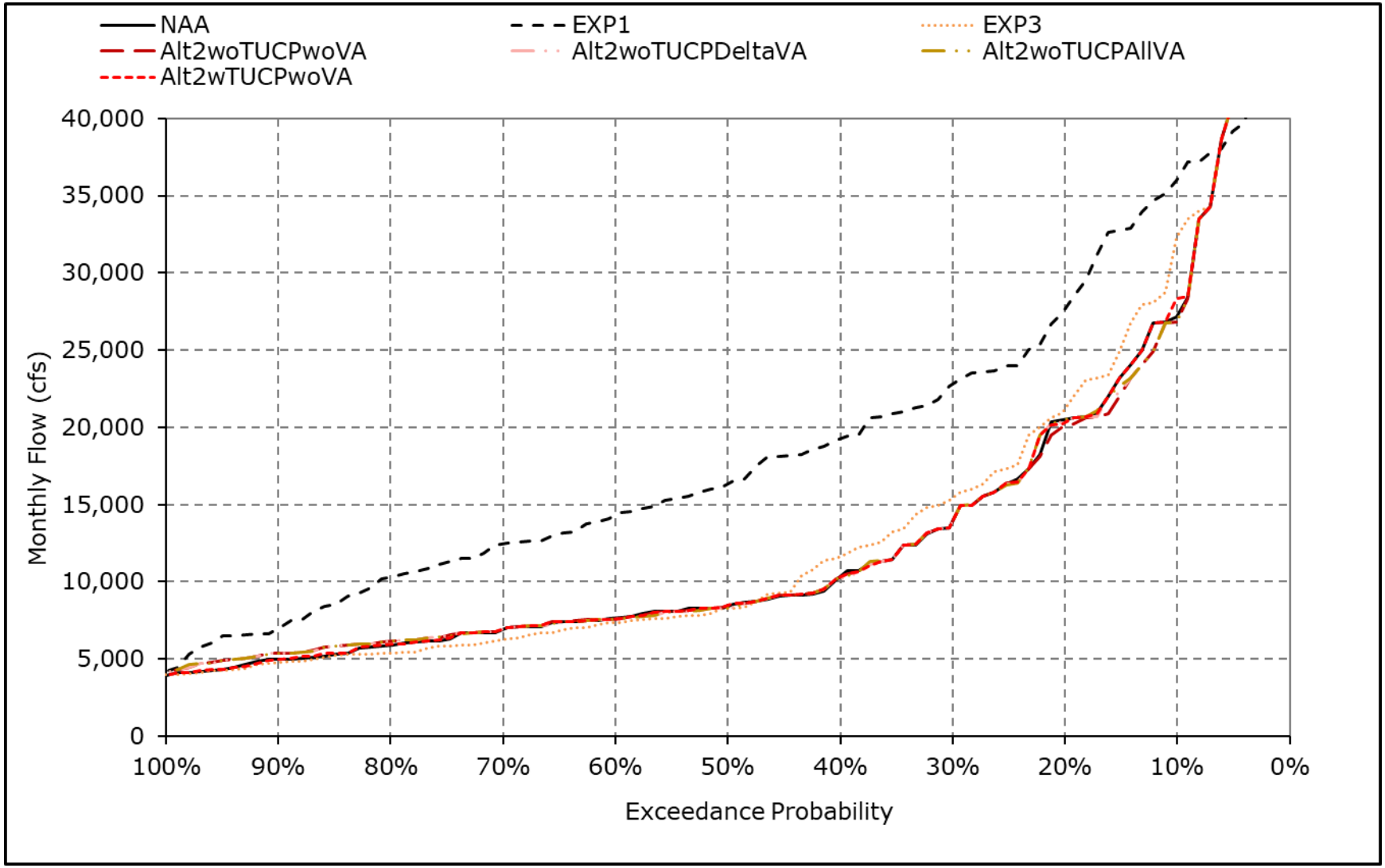
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



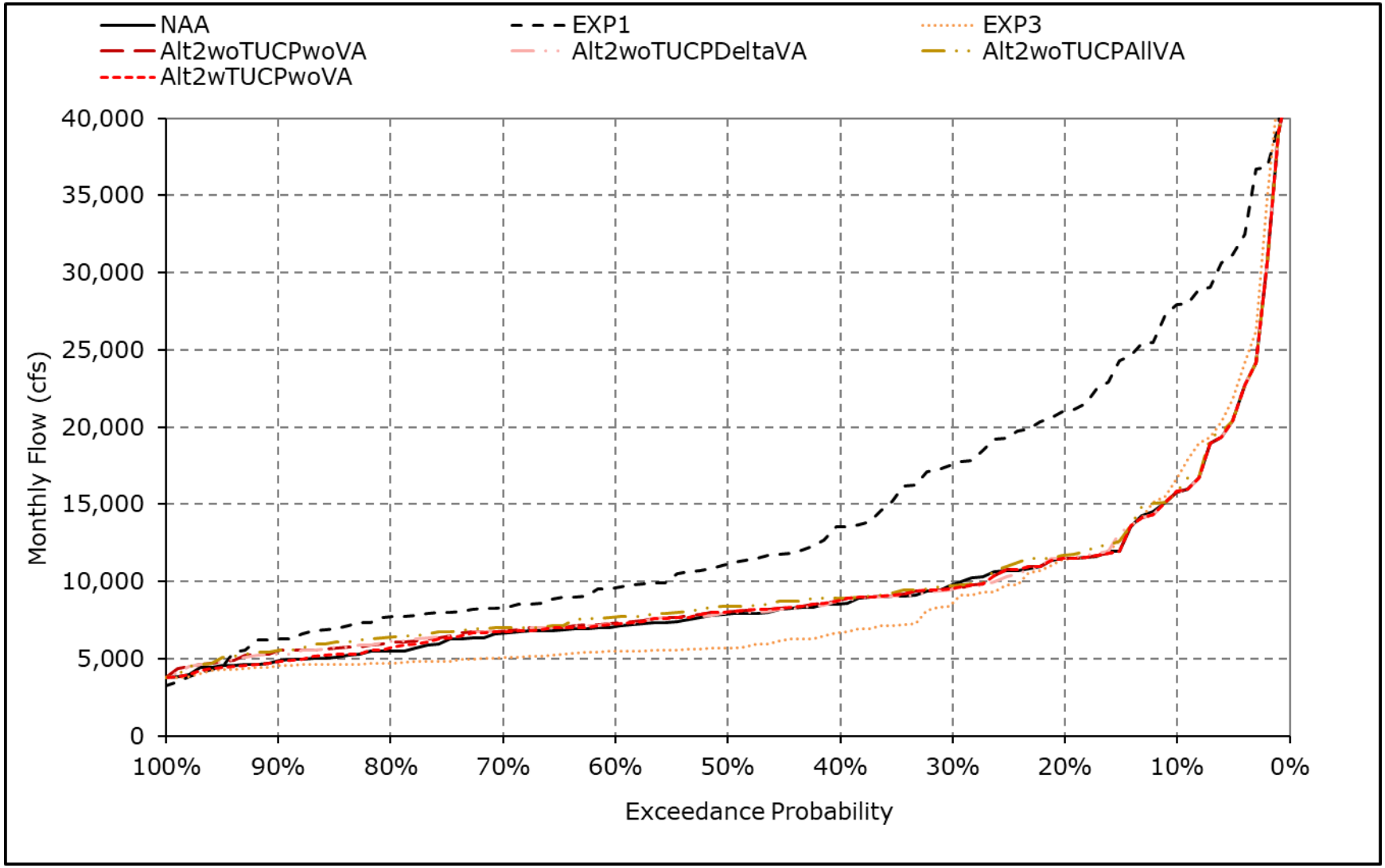
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



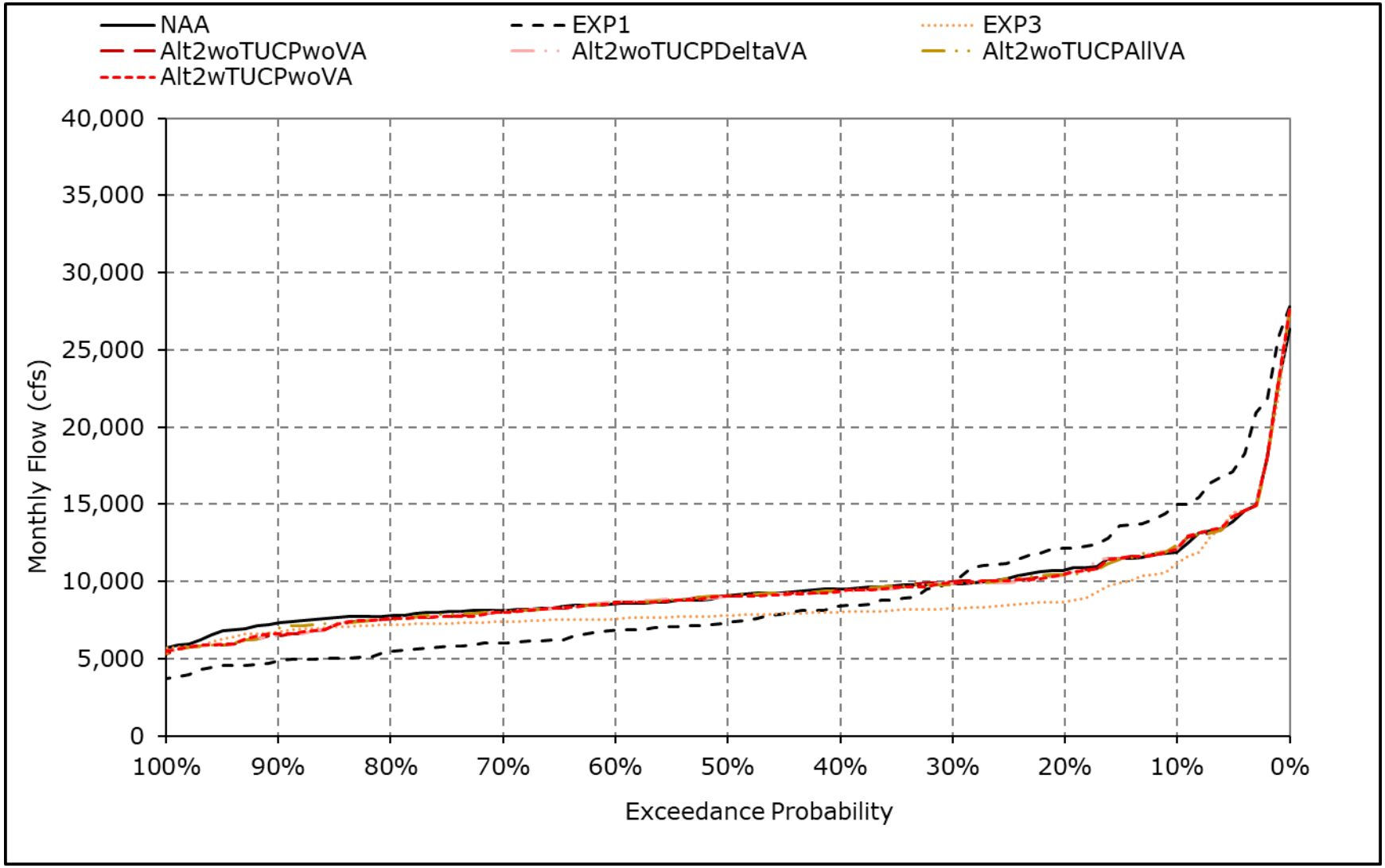
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



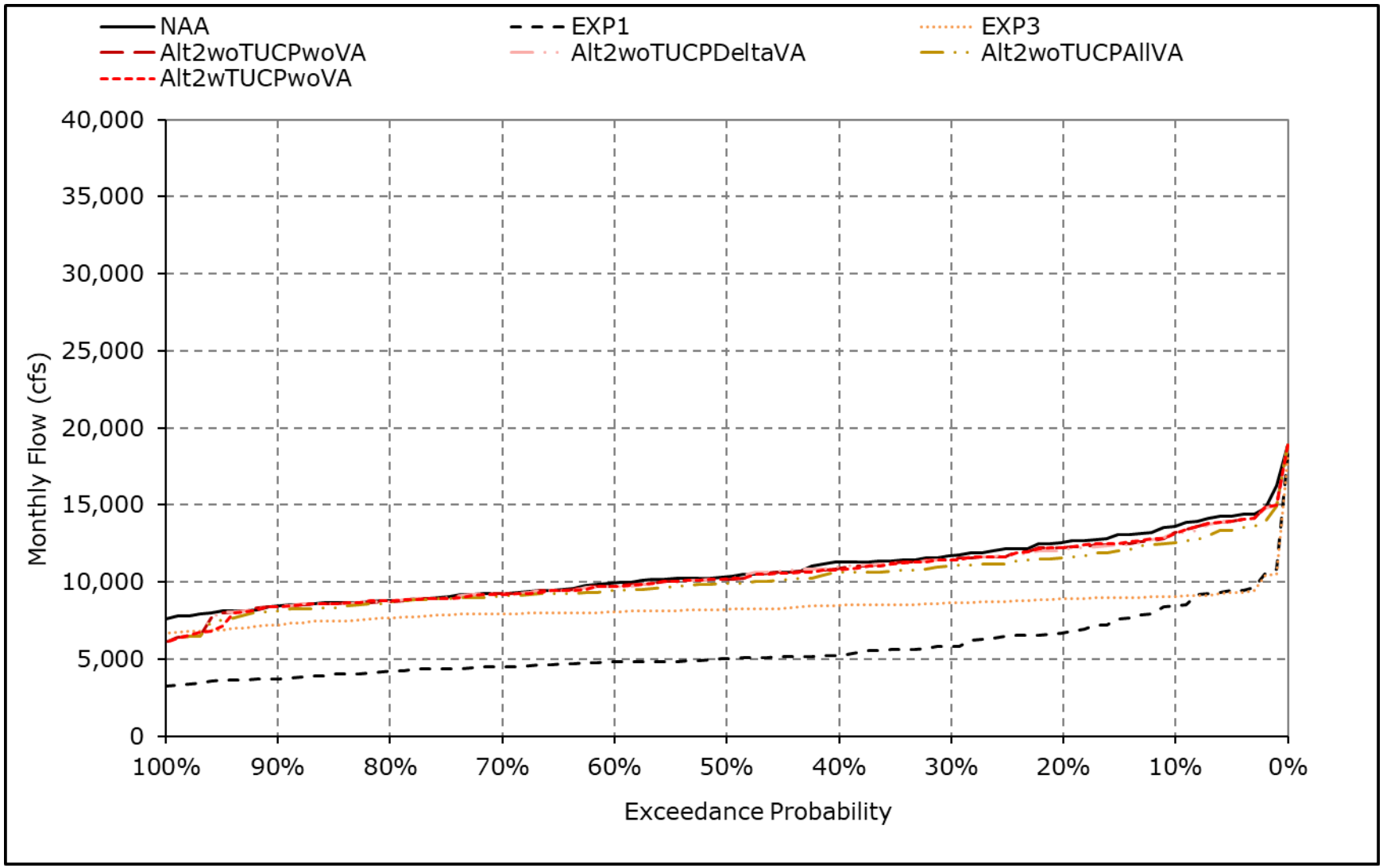
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



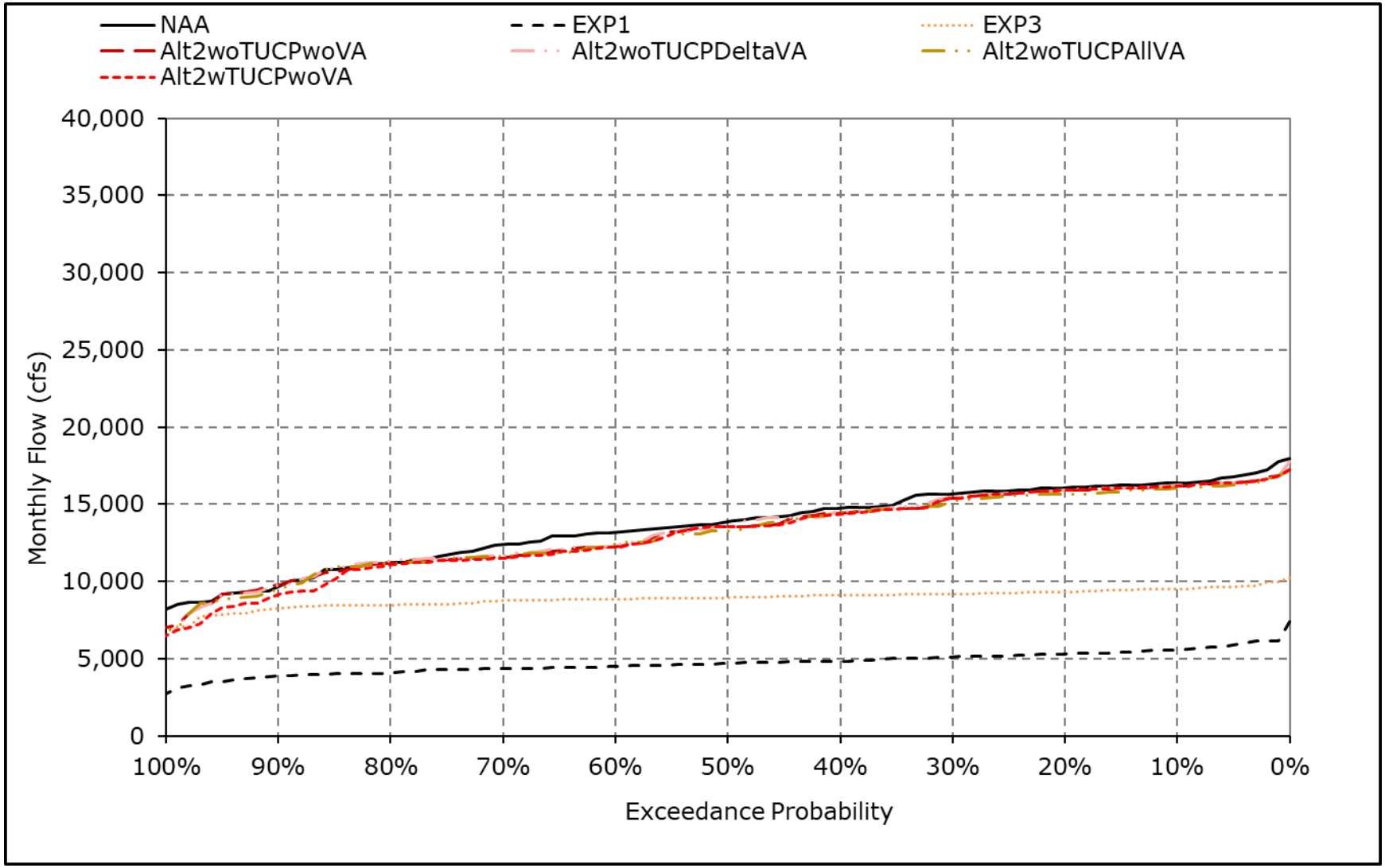
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



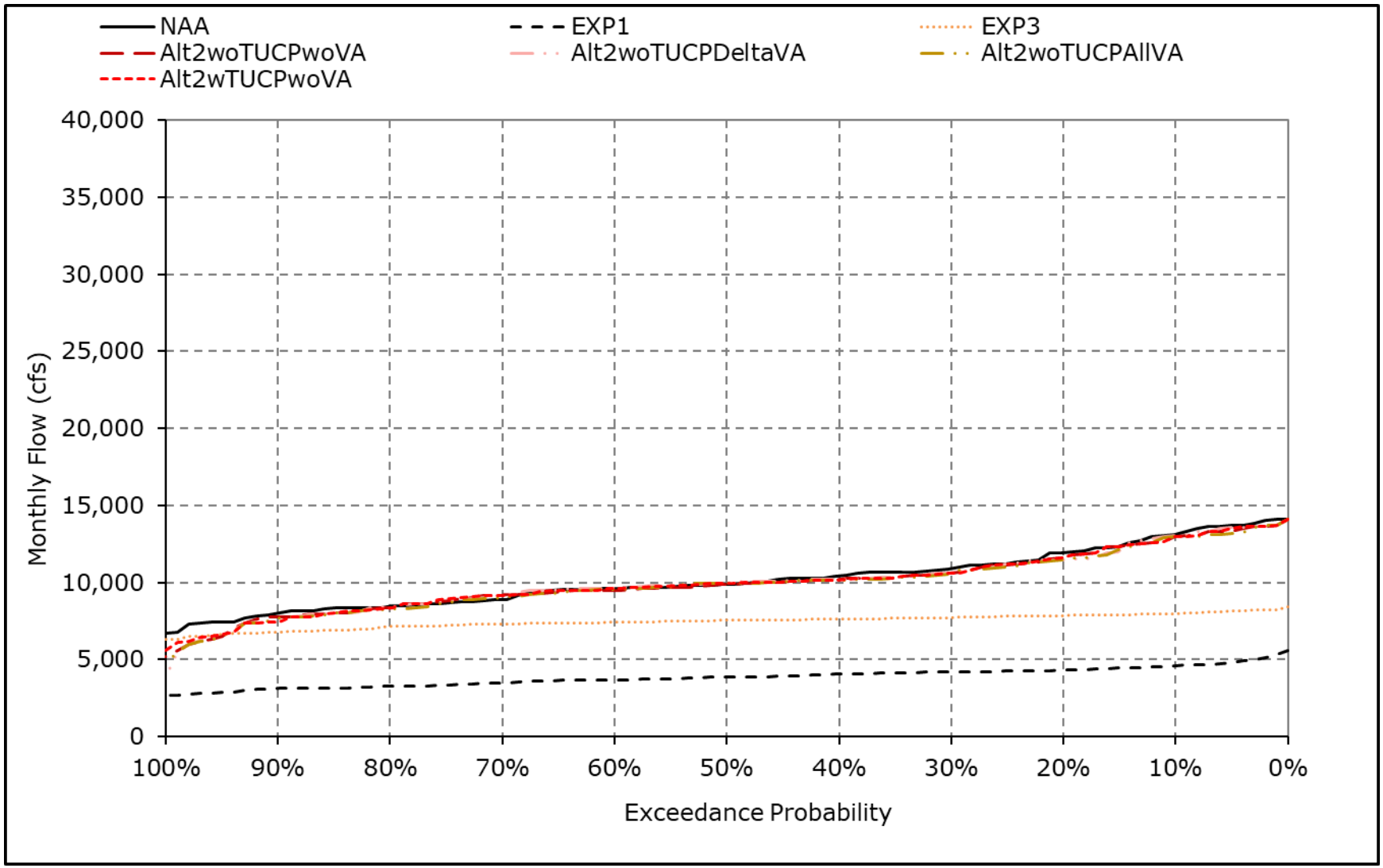
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-4-16. Sacramento Flow River at Bend Bridge, July



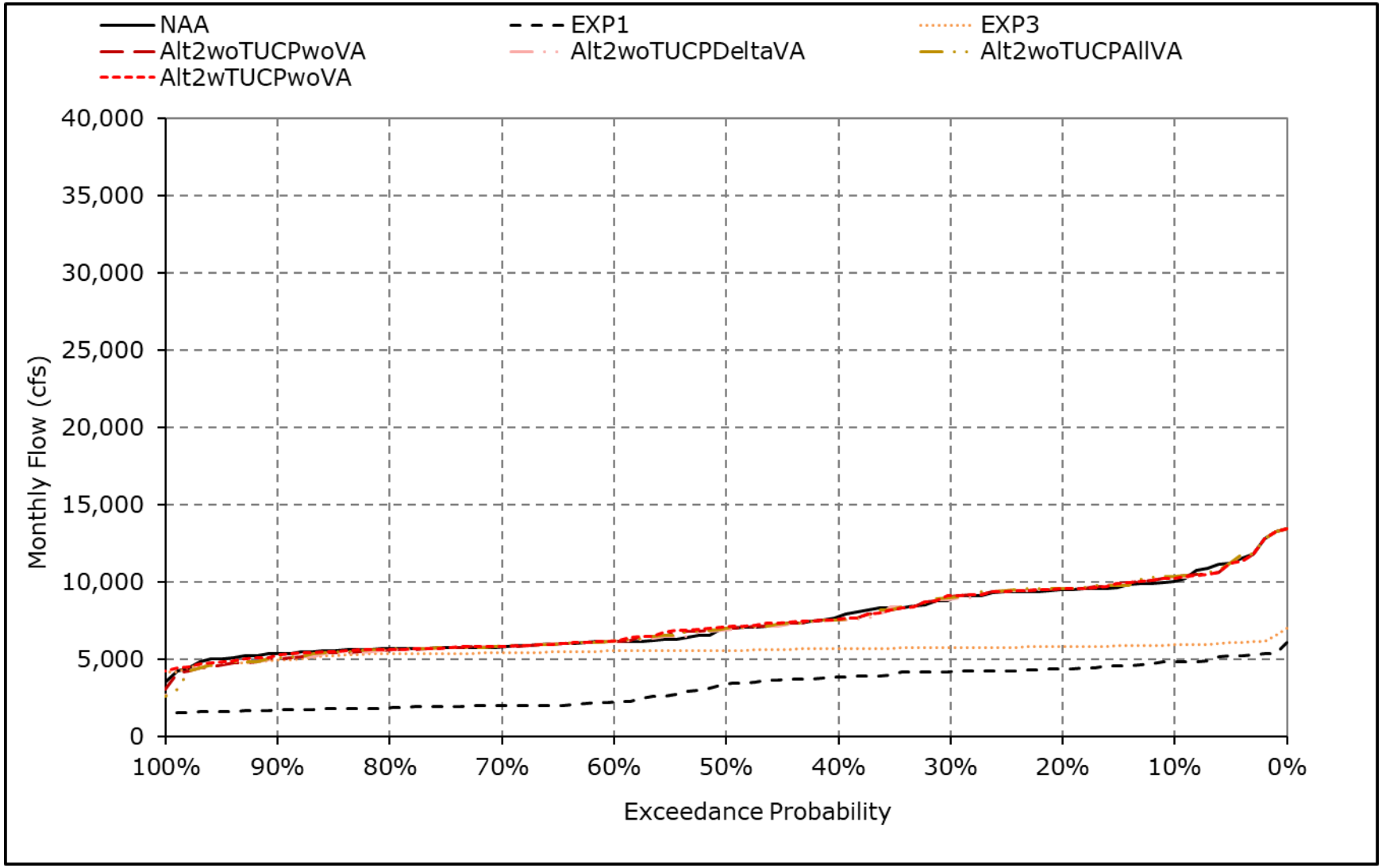
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-4-17. Sacramento Flow River at Bend Bridge, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-4-18. Sacramento Flow River at Bend Bridge, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-5-1a. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

Table F.2.2-5-1b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,536	10,238	28,077	35,785	49,172	27,263	15,586	11,429	12,245	15,142	11,879	9,721
20% Exceedance	8,284	8,609	17,220	22,564	31,145	20,392	11,401	9,900	11,598	14,782	10,744	8,996
30% Exceedance	7,675	7,870	12,042	16,433	18,820	14,271	9,192	9,250	10,688	14,184	9,742	8,442
40% Exceedance	6,805	7,522	8,936	12,148	13,380	10,522	8,335	8,709	10,167	13,407	9,180	6,997
50% Exceedance	6,126	6,986	7,545	8,774	10,733	8,648	7,762	8,413	9,383	12,591	8,854	6,490
60% Exceedance	5,749	6,535	6,643	7,243	8,299	7,817	7,114	7,913	8,788	11,692	8,573	5,829
70% Exceedance	5,425	6,283	6,134	6,334	7,460	7,074	6,559	7,435	8,278	10,703	8,243	5,640
80% Exceedance	5,190	5,936	5,523	5,771	6,466	6,275	5,788	7,088	8,072	10,212	7,703	5,354
90% Exceedance	4,905	5,227	4,897	5,068	5,598	5,481	5,236	6,237	7,763	9,374	7,407	5,005
Full Simulation Period Average[a]	6,714	7,706	12,438	15,616	19,729	14,198	9,578	8,937	9,751	12,392	9,138	7,054
Wet Water Years (28%)	8,249	8,774	13,805	30,136	37,088	25,293	15,006	9,461	9,205	12,772	9,669	9,159
Above Normal Water Years (14%)	7,757	9,067	10,818	19,195	26,370	17,017	9,077	9,154	9,991	14,279	10,134	8,741
Below Normal Water Years (18%)	6,291	7,368	13,997	10,535	10,559	9,456	7,813	10,183	10,304	13,020	9,983	6,068
Dry Water Years (24%)	5,760	6,871	14,048	6,685	10,695	8,487	7,361	8,461	10,448	12,003	8,697	5,776
Critical Water Years (16%)	4,840	6,093	7,062	6,186	7,405	6,214	5,827	7,145	8,829	9,956	7,048	4,924

Table F.2.2-5-1c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	336	595	-2	334	2	-370	-3	50	-445	-125	-298	267
20% Exceedance	-16	238	248	-420	1	-366	-5	-160	-86	-227	-136	82
30% Exceedance	169	110	88	-3	-21	-8	-248	55	-114	-401	-256	103
40% Exceedance	45	350	46	389	367	-28	309	-125	-167	-158	-288	-127
50% Exceedance	28	276	55	202	46	54	276	-11	-19	-421	2	82
60% Exceedance	60	147	122	204	-20	-51	259	-42	-136	-740	-39	38
70% Exceedance	-30	170	292	133	125	20	335	-164	-29	-626	47	2
80% Exceedance	-12	58	262	98	-141	215	510	-305	94	-51	-118	-108
90% Exceedance	42	57	255	64	145	419	577	-693	-10	-132	-15	-210
Full Simulation Period Average[a]	42	239	211	239	166	11	194	-111	-198	-326	-185	-12
Wet Water Years (28%)	21	91	104	385	172	-2	5	65	-38	-226	-88	-105
Above Normal Water Years (14%)	328	29	88	9	-39	-655	6	-12	-11	-359	-230	133
Below Normal Water Years (18%)	-177	454	137	131	300	135	115	-65	12	-453	-287	212
Dry Water Years (24%)	50	64	554	310	197	100	50	-221	-299	-481	48	99
Critical Water Years (16%)	47	750	74	198	137	345	991	-394	-726	-95	-547	-397

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-2a. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

Table F.2.2-5-2b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,493	10,353	28,075	36,011	49,173	27,261	15,586	11,428	12,293	15,113	11,989	9,712
20% Exceedance	8,311	8,802	17,910	22,798	31,143	20,614	11,441	9,900	11,427	14,805	10,591	8,997
30% Exceedance	7,669	7,815	11,942	16,433	19,094	14,278	9,187	9,141	10,748	14,377	9,747	8,246
40% Exceedance	6,851	7,649	8,937	12,148	13,380	10,421	8,421	8,704	10,126	13,495	9,238	6,931
50% Exceedance	6,133	6,882	7,398	8,741	10,730	8,518	7,580	8,338	9,417	12,736	8,977	6,483
60% Exceedance	5,837	6,533	6,835	7,211	8,299	7,818	7,005	7,954	8,772	11,649	8,776	5,820
70% Exceedance	5,471	6,284	5,924	6,306	7,401	7,075	6,638	7,471	8,289	10,873	8,287	5,573
80% Exceedance	5,207	5,964	5,551	5,765	6,443	6,274	5,909	7,133	8,083	10,340	7,787	5,362
90% Exceedance	4,898	5,485	5,033	5,048	5,491	5,482	5,123	6,250	7,766	9,268	7,252	4,961
Full Simulation Period Average[a]	6,750	7,733	12,442	15,545	19,698	14,225	9,550	8,943	9,742	12,451	9,150	7,022
Wet Water Years (28%)	8,249	8,860	13,748	30,109	37,102	25,284	15,007	9,443	9,215	12,768	9,716	9,162
Above Normal Water Years (14%)	7,810	9,232	10,803	19,244	26,369	17,363	9,065	9,182	9,890	14,329	10,192	8,759
Below Normal Water Years (18%)	6,367	7,380	14,100	10,502	10,598	9,451	7,628	10,188	10,304	13,034	9,980	6,044
Dry Water Years (24%)	5,764	6,833	14,097	6,543	10,674	8,415	7,286	8,474	10,432	12,163	8,701	5,702
Critical Water Years (16%)	4,928	5,997	7,007	5,999	7,176	6,214	5,981	7,161	8,867	10,026	6,989	4,835

Table F.2.2-5-2c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	293	710	-4	560	3	-372	-2	49	-397	-154	-189	258
20% Exceedance	11	431	938	-186	-1	-143	35	-160	-258	-204	-289	82
30% Exceedance	162	56	-12	-4	253	-1	-254	-53	-55	-208	-251	-93
40% Exceedance	92	477	47	389	367	-129	396	-131	-208	-71	-230	-193
50% Exceedance	34	172	-92	168	43	-76	94	-86	15	-276	125	75
60% Exceedance	149	145	314	172	-20	-50	150	-1	-151	-783	164	30
70% Exceedance	16	171	82	105	66	20	414	-128	-18	-456	91	-64
80% Exceedance	5	86	289	92	-164	214	630	-259	105	77	-34	-100
90% Exceedance	35	315	391	44	38	421	463	-680	-7	-237	-170	-254
Full Simulation Period Average[a]	78	267	215	168	135	39	165	-106	-207	-268	-172	-45
Wet Water Years (28%)	22	177	47	358	186	-12	6	47	-28	-230	-42	-103
Above Normal Water Years (14%)	382	194	73	58	-41	-309	-6	16	-112	-309	-172	152
Below Normal Water Years (18%)	-102	466	240	98	339	129	-69	-60	12	-439	-290	189
Dry Water Years (24%)	54	27	603	167	176	28	-25	-208	-316	-320	52	25
Critical Water Years (16%)	136	655	20	11	-92	345	1,145	-378	-689	-25	-605	-486

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-3a. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

Table F.2.2-5-3b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,312	9,994	28,058	35,992	49,174	27,266	15,661	11,626	11,815	15,004	11,870	9,822
20% Exceedance	8,102	8,872	18,333	23,284	31,777	20,739	11,722	9,770	10,872	14,535	10,516	9,022
30% Exceedance	7,758	8,077	11,937	16,437	19,189	14,287	9,366	9,209	10,188	13,941	9,740	8,353
40% Exceedance	7,013	7,612	8,938	12,148	13,380	10,473	8,520	8,792	9,598	13,476	9,200	6,989
50% Exceedance	6,139	7,051	7,395	8,774	10,728	8,518	8,020	8,434	8,924	12,443	8,878	6,547
60% Exceedance	5,800	6,438	6,767	7,211	8,299	7,823	7,398	7,878	8,465	11,612	8,607	5,881
70% Exceedance	5,416	6,200	5,930	6,272	7,442	7,075	6,682	7,492	8,184	10,748	8,119	5,630
80% Exceedance	5,152	5,897	5,454	5,685	6,725	6,256	6,236	7,264	7,938	10,324	7,632	5,405
90% Exceedance	4,909	5,281	4,990	4,994	5,617	5,478	5,315	6,510	7,389	9,210	7,177	5,003
Full Simulation Period Average[a]	6,738	7,778	12,485	15,555	19,799	14,239	9,827	8,964	9,397	12,298	9,069	7,072
Wet Water Years (28%)	8,211	8,862	13,755	30,146	37,127	25,289	15,098	9,459	9,128	12,746	9,697	9,194
Above Normal Water Years (14%)	7,675	9,274	10,822	19,347	26,464	17,421	9,755	9,366	9,196	14,126	9,972	8,820
Below Normal Water Years (18%)	6,520	7,318	14,107	10,510	10,681	9,448	8,334	10,330	9,609	12,785	9,765	6,203
Dry Water Years (24%)	5,737	7,060	14,261	6,543	10,905	8,431	7,302	8,192	10,057	11,866	8,612	5,716
Critical Water Years (16%)	4,917	5,959	6,987	5,899	7,244	6,217	6,134	7,368	8,814	10,016	7,080	4,841

Table F.2.2-5-3c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	351	-21	541	4	-368	72	247	-875	-264	-308	368
20% Exceedance	-198	501	1,360	300	632	-19	317	-291	-813	-474	-363	107
30% Exceedance	252	318	-17	1	348	8	-75	14	-615	-644	-258	14
40% Exceedance	253	440	48	388	367	-78	494	-42	-736	-89	-268	-135
50% Exceedance	41	341	-96	202	42	-76	534	10	-478	-568	26	139
60% Exceedance	111	50	246	172	-20	-45	543	-77	-458	-820	-5	90
70% Exceedance	-39	87	88	71	107	21	458	-108	-124	-582	-77	-7
80% Exceedance	-49	19	193	12	118	197	958	-128	-40	61	-189	-58
90% Exceedance	46	111	347	-11	164	416	656	-421	-384	-296	-245	-212
Full Simulation Period Average[a]	67	312	257	178	237	52	443	-84	-552	-420	-254	5
Wet Water Years (28%)	-17	179	54	395	211	-6	97	63	-116	-252	-60	-70
Above Normal Water Years (14%)	247	236	91	161	55	-252	684	200	-806	-511	-392	212
Below Normal Water Years (18%)	52	404	247	106	422	126	636	82	-684	-688	-505	348
Dry Water Years (24%)	27	253	766	167	407	44	-9	-490	-690	-618	-37	39
Critical Water Years (16%)	124	617	0	-89	-24	348	1,298	-171	-741	-35	-514	-479

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-4a. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

Table F.2.2-5-4b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,536	10,235	28,077	37,968	49,173	28,705	15,592	11,423	12,459	15,130	11,878	9,668
20% Exceedance	8,267	8,605	17,298	25,338	31,145	20,577	11,401	9,823	11,477	14,797	10,740	8,998
30% Exceedance	7,677	7,804	12,043	16,446	18,818	14,270	9,190	9,177	10,605	14,182	9,740	8,447
40% Exceedance	6,800	7,467	8,936	12,148	13,377	10,529	8,334	8,679	10,144	13,353	9,166	7,091
50% Exceedance	6,125	7,034	7,503	8,870	10,727	8,659	7,708	8,412	9,334	12,545	8,908	6,573
60% Exceedance	5,824	6,515	6,656	7,314	8,296	7,817	7,011	7,897	8,690	11,361	8,655	5,896
70% Exceedance	5,459	6,290	5,998	6,334	7,311	7,074	6,459	7,449	8,269	10,559	8,348	5,648
80% Exceedance	5,262	5,936	5,523	5,772	6,438	6,024	5,330	7,087	7,972	10,081	7,677	5,430
90% Exceedance	5,006	5,456	4,917	5,084	5,315	5,091	4,718	6,279	7,753	8,715	7,182	5,085
Full Simulation Period Average[a]	6,769	7,712	12,441	15,717	19,718	14,216	9,453	8,917	9,708	12,221	9,152	7,114
Wet Water Years (28%)	8,250	8,765	13,810	30,237	37,090	25,295	15,006	9,458	9,202	12,763	9,665	9,153
Above Normal Water Years (14%)	7,760	9,068	10,822	19,498	26,462	17,770	9,080	9,152	9,990	14,278	10,179	8,734
Below Normal Water Years (18%)	6,316	7,365	14,010	10,540	10,562	9,458	7,797	10,295	10,308	13,085	10,102	6,165
Dry Water Years (24%)	5,762	6,872	14,054	6,673	10,817	8,478	7,381	8,468	10,432	11,952	8,701	5,775
Critical Water Years (16%)	5,167	6,151	7,041	6,388	7,064	5,676	5,035	6,889	8,586	8,907	6,967	5,202

Table F.2.2-5-4c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	336	592	-1	2,517	3	1,072	4	44	-230	-138	-299	214
20% Exceedance	-34	233	325	2,354	1	-180	-4	-237	-207	-212	-139	84
30% Exceedance	170	45	89	10	-23	-9	-250	-18	-198	-404	-258	108
40% Exceedance	40	294	46	389	364	-21	308	-156	-189	-212	-302	-32
50% Exceedance	27	324	12	297	41	65	222	-12	-68	-467	56	165
60% Exceedance	135	127	134	276	-22	-51	156	-58	-233	-1,071	43	105
70% Exceedance	4	176	156	133	-24	19	235	-151	-39	-771	153	11
80% Exceedance	61	58	262	99	-169	-36	51	-305	-6	-182	-143	-32
90% Exceedance	142	286	275	79	-138	30	59	-652	-20	-790	-240	-130
Full Simulation Period Average[a]	97	246	214	340	155	29	69	-131	-242	-497	-170	47
Wet Water Years (28%)	22	82	109	486	174	-1	5	63	-42	-235	-92	-111
Above Normal Water Years (14%)	332	30	92	313	52	98	9	-14	-12	-360	-184	127
Below Normal Water Years (18%)	-152	452	150	136	303	137	99	47	15	-388	-168	309
Dry Water Years (24%)	52	65	559	297	319	91	70	-214	-316	-532	52	98
Critical Water Years (16%)	375	809	53	400	-204	-193	200	-650	-969	-1,144	-627	-119

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-5a. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

Table F.2.2-5-5b. Sacramento River below Red Bluff Diversion Dam Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,618	6,559	41,353	38,928	50,375	32,836	16,952	11,363	9,168	9,587	8,049	6,000
20% Exceedance	5,524	5,985	32,373	27,271	32,231	21,417	11,625	8,796	8,989	9,393	7,918	5,893
30% Exceedance	5,388	5,728	23,123	17,619	21,009	15,584	8,764	8,340	8,697	9,257	7,785	5,824
40% Exceedance	5,290	5,488	20,602	13,489	14,030	11,857	6,874	8,076	8,563	9,194	7,703	5,760
50% Exceedance	5,209	5,355	17,136	9,092	11,771	8,466	5,830	7,893	8,306	9,031	7,625	5,643
60% Exceedance	5,076	5,226	12,255	7,170	8,154	7,533	5,581	7,702	8,126	8,941	7,488	5,595
70% Exceedance	4,963	5,081	7,889	6,121	7,158	6,436	5,151	7,500	8,018	8,825	7,365	5,493
80% Exceedance	4,786	4,871	5,472	5,496	5,773	5,486	4,798	7,302	7,753	8,551	7,191	5,409
90% Exceedance	4,681	4,621	4,495	4,828	5,197	4,860	4,646	6,857	7,316	8,297	6,873	5,041
Full Simulation Period Average[a]	5,206	5,934	19,744	16,111	20,194	14,578	8,996	8,730	8,417	8,969	7,536	5,610
Wet Water Years (28%)	5,089	6,383	26,189	31,007	37,604	25,212	15,284	9,291	8,181	8,610	7,420	5,467
Above Normal Water Years (14%)	5,023	6,238	21,197	20,600	27,996	18,560	8,860	8,676	8,435	9,001	7,421	5,663
Below Normal Water Years (18%)	5,240	5,726	20,378	11,346	10,923	9,773	6,778	9,548	8,604	9,209	7,787	5,726
Dry Water Years (24%)	5,336	5,682	18,781	6,500	11,478	9,420	6,216	8,217	8,709	9,230	7,713	5,650
Critical Water Years (16%)	5,359	5,446	7,043	5,893	6,400	5,630	4,776	7,643	8,164	8,910	7,292	5,620

Table F.2.2-5-5c. Sacramento River below Red Bluff Diversion Dam Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3,581	-3,084	13,275	3,477	1,205	5,203	1,364	-15	-3,522	-5,680	-4,128	-3,453
20% Exceedance	-2,776	-2,386	15,401	4,286	1,087	659	219	-1,264	-2,695	-5,616	-2,961	-3,022
30% Exceedance	-2,118	-2,031	11,169	1,183	2,168	1,305	-677	-855	-2,106	-5,328	-2,213	-2,516
40% Exceedance	-1,469	-1,684	11,713	1,729	1,017	1,307	-1,152	-758	-1,770	-4,371	-1,765	-1,364
50% Exceedance	-889	-1,355	9,645	520	1,084	-128	-1,656	-531	-1,096	-3,981	-1,227	-765
60% Exceedance	-613	-1,162	5,734	131	-164	-335	-1,274	-253	-797	-3,491	-1,124	-195
70% Exceedance	-492	-1,032	2,047	-80	-177	-618	-1,073	-100	-290	-2,504	-831	-145
80% Exceedance	-416	-1,006	211	-177	-834	-574	-480	-90	-224	-1,712	-629	-53
90% Exceedance	-183	-549	-148	-177	-256	-202	-14	-73	-457	-1,209	-549	-174
Full Simulation Period Average[a]	-1,466	-1,532	7,517	734	631	392	-388	-319	-1,533	-3,749	-1,786	-1,457
Wet Water Years (28%)	-3,139	-2,300	12,488	1,256	689	-84	283	-105	-1,062	-4,388	-2,338	-3,797
Above Normal Water Years (14%)	-2,405	-2,799	10,467	1,415	1,586	887	-212	-490	-1,566	-5,636	-2,942	-2,944
Below Normal Water Years (18%)	-1,229	-1,188	6,518	942	664	451	-920	-699	-1,689	-4,264	-2,483	-130
Dry Water Years (24%)	-374	-1,125	5,286	124	980	1,033	-1,095	-465	-2,039	-3,253	-936	-27
Critical Water Years (16%)	567	104	55	-95	-869	-239	-60	104	-1,391	-1,141	-303	299

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-6a. Sacramento River below Red Bluff Diversion Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,107	12,185	34,920	42,673	48,661	36,535	28,098	15,078	8,567	5,674	4,701	4,913
20% Exceedance	5,447	9,301	26,220	30,234	34,346	27,840	21,276	12,245	6,773	5,418	4,413	4,483
30% Exceedance	5,106	7,648	18,145	24,302	27,757	22,976	17,748	10,104	5,926	5,213	4,274	4,275
40% Exceedance	4,618	6,035	13,706	19,587	23,811	19,436	13,693	8,481	5,339	4,941	4,135	3,908
50% Exceedance	4,356	5,420	10,409	15,128	18,571	16,503	11,252	7,426	5,116	4,770	3,971	3,461
60% Exceedance	4,077	4,983	8,561	11,765	14,418	14,513	9,727	6,941	4,902	4,591	3,775	2,312
70% Exceedance	3,656	4,443	6,976	8,582	12,948	12,627	8,400	6,090	4,588	4,467	3,567	2,062
80% Exceedance	3,212	4,205	5,447	7,539	9,018	10,412	7,813	5,539	4,323	4,213	3,339	1,915
90% Exceedance	2,556	3,616	4,668	5,934	7,365	7,121	6,351	4,986	3,819	4,014	3,189	1,792
Full Simulation Period Average[a]	4,556	7,152	15,473	19,825	23,677	19,906	14,535	9,072	5,752	4,813	3,930	3,268
Wet Water Years (28%)	5,055	8,071	15,287	34,143	38,442	30,062	23,404	12,729	7,459	5,068	4,492	4,570
Above Normal Water Years (14%)	4,869	7,687	15,491	26,532	30,769	24,525	16,378	9,782	5,975	4,450	4,197	3,941
Below Normal Water Years (18%)	4,447	7,218	17,675	16,281	15,966	16,399	12,675	8,350	5,254	4,981	3,968	3,133
Dry Water Years (24%)	5,004	7,249	16,863	9,863	17,250	15,162	10,119	7,197	4,997	4,907	3,675	2,213
Critical Water Years (16%)	2,723	4,670	10,933	7,829	9,946	9,154	6,117	5,678	4,265	4,352	3,054	2,134

Table F.2.2-5-6b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,536	10,238	28,077	35,785	49,172	27,263	15,586	11,429	12,245	15,142	11,879	9,721
20% Exceedance	8,284	8,609	17,220	22,564	31,145	20,392	11,401	9,900	11,598	14,782	10,744	8,996
30% Exceedance	7,675	7,870	12,042	16,433	18,820	14,271	9,192	9,250	10,688	14,184	9,742	8,442
40% Exceedance	6,805	7,522	8,936	12,148	13,380	10,522	8,335	8,709	10,167	13,407	9,180	6,997
50% Exceedance	6,126	6,986	7,545	8,774	10,733	8,648	7,762	8,413	9,383	12,591	8,854	6,490
60% Exceedance	5,749	6,535	6,643	7,243	8,299	7,817	7,114	7,913	8,788	11,692	8,573	5,829
70% Exceedance	5,425	6,283	6,134	6,334	7,460	7,074	6,559	7,435	8,278	10,703	8,243	5,640
80% Exceedance	5,190	5,936	5,523	5,771	6,466	6,275	5,788	7,088	8,072	10,212	7,703	5,354
90% Exceedance	4,905	5,227	4,897	5,068	5,598	5,481	5,236	6,237	7,763	9,374	7,407	5,005
Full Simulation Period Average[a]	6,714	7,706	12,438	15,616	19,729	14,198	9,578	8,937	9,751	12,392	9,138	7,054
Wet Water Years (28%)	8,249	8,774	13,805	30,136	37,088	25,293	15,006	9,461	9,205	12,772	9,669	9,159
Above Normal Water Years (14%)	7,757	9,067	10,818	19,195	26,370	17,017	9,077	9,154	9,991	14,279	10,134	8,741
Below Normal Water Years (18%)	6,291	7,368	13,997	10,535	10,559	9,456	7,813	10,183	10,304	13,020	9,983	6,068
Dry Water Years (24%)	5,760	6,871	14,048	6,685	10,695	8,487	7,361	8,461	10,448	12,003	8,697	5,776
Critical Water Years (16%)	4,840	6,093	7,062	6,186	7,405	6,214	5,827	7,145	8,829	9,956	7,048	4,924

Table F.2.2-5-6c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,429	-1,947	-6,843	-6,888	511	-9,272	-12,513	-3,649	3,678	9,469	7,178	4,808
20% Exceedance	2,837	-692	-9,000	-7,669	-3,202	-7,448	-9,875	-2,346	4,826	9,364	6,331	4,514
30% Exceedance	2,569	221	-6,103	-7,869	-8,937	-8,705	-8,555	-854	4,763	8,972	5,468	4,168
40% Exceedance	2,187	1,487	-4,770	-7,439	-10,431	-8,914	-5,358	228	4,828	8,466	5,045	3,089
50% Exceedance	1,770	1,566	-2,864	-6,354	-7,838	-7,855	-3,490	986	4,267	7,821	4,883	3,029
60% Exceedance	1,672	1,552	-1,918	-4,522	-6,119	-6,696	-2,613	972	3,886	7,101	4,799	3,517
70% Exceedance	1,769	1,840	-842	-2,248	-5,488	-5,552	-1,841	1,345	3,690	6,236	4,675	3,577
80% Exceedance	1,978	1,730	76	-1,768	-2,551	-4,137	-2,025	1,549	3,749	5,999	4,364	3,439
90% Exceedance	2,349	1,610	229	-865	-1,767	-1,640	-1,115	1,251	3,944	5,360	4,218	3,213
Full Simulation Period Average[a]	2,158	553	-3,034	-4,209	-3,948	-5,709	-4,957	-135	3,999	7,580	5,208	3,787
Wet Water Years (28%)	3,193	703	-1,482	-4,007	-1,353	-4,769	-8,398	-3,269	1,746	7,704	5,177	4,589
Above Normal Water Years (14%)	2,887	1,380	-4,673	-7,338	-4,399	-7,508	-7,301	-627	4,016	9,828	5,937	4,800
Below Normal Water Years (18%)	1,845	150	-3,678	-5,746	-5,407	-6,943	-4,862	1,833	5,051	8,038	6,015	2,934
Dry Water Years (24%)	756	-378	-2,815	-3,177	-6,554	-6,676	-2,759	1,264	5,452	7,095	5,022	3,563
Critical Water Years (16%)	2,117	1,423	-3,871	-1,643	-2,541	-2,940	-291	1,466	4,564	5,604	3,994	2,790

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-7a. Sacramento River below Red Bluff Diversion Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,107	12,185	34,920	42,673	48,661	36,535	28,098	15,078	8,567	5,674	4,701	4,913
20% Exceedance	5,447	9,301	26,220	30,234	34,346	27,840	21,276	12,245	6,773	5,418	4,413	4,483
30% Exceedance	5,106	7,648	18,145	24,302	27,757	22,976	17,748	10,104	5,926	5,213	4,274	4,275
40% Exceedance	4,618	6,035	13,706	19,587	23,811	19,436	13,693	8,481	5,339	4,941	4,135	3,908
50% Exceedance	4,356	5,420	10,409	15,128	18,571	16,503	11,252	7,426	5,116	4,770	3,971	3,461
60% Exceedance	4,077	4,983	8,561	11,765	14,418	14,513	9,727	6,941	4,902	4,591	3,775	2,312
70% Exceedance	3,656	4,443	6,976	8,582	12,948	12,627	8,400	6,090	4,588	4,467	3,567	2,062
80% Exceedance	3,212	4,205	5,447	7,539	9,018	10,412	7,813	5,539	4,323	4,213	3,339	1,915
90% Exceedance	2,556	3,616	4,668	5,934	7,365	7,121	6,351	4,986	3,819	4,014	3,189	1,792
Full Simulation Period Average[a]	4,556	7,152	15,473	19,825	23,677	19,906	14,535	9,072	5,752	4,813	3,930	3,268
Wet Water Years (28%)	5,055	8,071	15,287	34,143	38,442	30,062	23,404	12,729	7,459	5,068	4,492	4,570
Above Normal Water Years (14%)	4,869	7,687	15,491	26,532	30,769	24,525	16,378	9,782	5,975	4,450	4,197	3,941
Below Normal Water Years (18%)	4,447	7,218	17,675	16,281	15,966	16,399	12,675	8,350	5,254	4,981	3,968	3,133
Dry Water Years (24%)	5,004	7,249	16,863	9,863	17,250	15,162	10,119	7,197	4,997	4,907	3,675	2,213
Critical Water Years (16%)	2,723	4,670	10,933	7,829	9,946	9,154	6,117	5,678	4,265	4,352	3,054	2,134

Table F.2.2-5-7b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,493	10,353	28,075	36,011	49,173	27,261	15,586	11,428	12,293	15,113	11,989	9,712
20% Exceedance	8,311	8,802	17,910	22,798	31,143	20,614	11,441	9,900	11,427	14,805	10,591	8,997
30% Exceedance	7,669	7,815	11,942	16,433	19,094	14,278	9,187	9,141	10,748	14,377	9,747	8,246
40% Exceedance	6,851	7,649	8,937	12,148	13,380	10,421	8,421	8,704	10,126	13,495	9,238	6,931
50% Exceedance	6,133	6,882	7,398	8,741	10,730	8,518	7,580	8,338	9,417	12,736	8,977	6,483
60% Exceedance	5,837	6,533	6,835	7,211	8,299	7,818	7,005	7,954	8,772	11,649	8,776	5,820
70% Exceedance	5,471	6,284	5,924	6,306	7,401	7,075	6,638	7,471	8,289	10,873	8,287	5,573
80% Exceedance	5,207	5,964	5,551	5,765	6,443	6,274	5,909	7,133	8,083	10,340	7,787	5,362
90% Exceedance	4,898	5,485	5,033	5,048	5,491	5,482	5,123	6,250	7,766	9,268	7,252	4,961
Full Simulation Period Average[a]	6,750	7,733	12,442	15,545	19,698	14,225	9,550	8,943	9,742	12,451	9,150	7,022
Wet Water Years (28%)	8,249	8,860	13,748	30,109	37,102	25,284	15,007	9,443	9,215	12,768	9,716	9,162
Above Normal Water Years (14%)	7,810	9,232	10,803	19,244	26,369	17,363	9,065	9,182	9,890	14,329	10,192	8,759
Below Normal Water Years (18%)	6,367	7,380	14,100	10,502	10,598	9,451	7,628	10,188	10,304	13,034	9,980	6,044
Dry Water Years (24%)	5,764	6,833	14,097	6,543	10,674	8,415	7,286	8,474	10,432	12,163	8,701	5,702
Critical Water Years (16%)	4,928	5,997	7,007	5,999	7,176	6,214	5,981	7,161	8,867	10,026	6,989	4,835

Table F.2.2-5-7c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,386	-1,832	-6,846	-6,661	512	-9,274	-12,512	-3,650	3,726	9,440	7,288	4,800
20% Exceedance	2,864	-499	-8,310	-7,436	-3,203	-7,226	-9,835	-2,345	4,654	9,387	6,178	4,514
30% Exceedance	2,563	167	-6,204	-7,869	-8,663	-8,698	-8,561	-963	4,822	9,164	5,474	3,972
40% Exceedance	2,233	1,614	-4,769	-7,439	-10,431	-9,015	-5,272	223	4,787	8,554	5,103	3,022
50% Exceedance	1,777	1,462	-3,011	-6,388	-7,842	-7,985	-3,672	912	4,301	7,966	5,007	3,022
60% Exceedance	1,760	1,550	-1,726	-4,554	-6,119	-6,694	-2,722	1,013	3,870	7,059	5,001	3,508
70% Exceedance	1,815	1,841	-1,052	-2,275	-5,548	-5,552	-1,762	1,381	3,701	6,406	4,719	3,511
80% Exceedance	1,995	1,759	104	-1,774	-2,575	-4,138	-1,904	1,594	3,760	6,128	4,448	3,447
90% Exceedance	2,342	1,869	365	-886	-1,874	-1,639	-1,229	1,264	3,948	5,255	4,062	3,169
Full Simulation Period Average[a]	2,194	581	-3,030	-4,280	-3,979	-5,681	-4,985	-130	3,990	7,638	5,220	3,754
Wet Water Years (28%)	3,194	788	-1,539	-4,034	-1,340	-4,778	-8,397	-3,286	1,757	7,700	5,224	4,592
Above Normal Water Years (14%)	2,941	1,546	-4,688	-7,288	-4,400	-7,161	-7,313	-599	3,916	9,878	5,995	4,818
Below Normal Water Years (18%)	1,920	162	-3,575	-5,780	-5,368	-6,948	-5,047	1,839	5,050	8,053	6,012	2,911
Dry Water Years (24%)	760	-416	-2,766	-3,320	-6,576	-6,748	-2,834	1,277	5,435	7,256	5,026	3,488
Critical Water Years (16%)	2,205	1,327	-3,926	-1,830	-2,770	-2,940	-137	1,482	4,602	5,674	3,935	2,701

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-8a. Sacramento River below Red Bluff Diversion Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,107	12,185	34,920	42,673	48,661	36,535	28,098	15,078	8,567	5,674	4,701	4,913
20% Exceedance	5,447	9,301	26,220	30,234	34,346	27,840	21,276	12,245	6,773	5,418	4,413	4,483
30% Exceedance	5,106	7,648	18,145	24,302	27,757	22,976	17,748	10,104	5,926	5,213	4,274	4,275
40% Exceedance	4,618	6,035	13,706	19,587	23,811	19,436	13,693	8,481	5,339	4,941	4,135	3,908
50% Exceedance	4,356	5,420	10,409	15,128	18,571	16,503	11,252	7,426	5,116	4,770	3,971	3,461
60% Exceedance	4,077	4,983	8,561	11,765	14,418	14,513	9,727	6,941	4,902	4,591	3,775	2,312
70% Exceedance	3,656	4,443	6,976	8,582	12,948	12,627	8,400	6,090	4,588	4,467	3,567	2,062
80% Exceedance	3,212	4,205	5,447	7,539	9,018	10,412	7,813	5,539	4,323	4,213	3,339	1,915
90% Exceedance	2,556	3,616	4,668	5,934	7,365	7,121	6,351	4,986	3,819	4,014	3,189	1,792
Full Simulation Period Average[a]	4,556	7,152	15,473	19,825	23,677	19,906	14,535	9,072	5,752	4,813	3,930	3,268
Wet Water Years (28%)	5,055	8,071	15,287	34,143	38,442	30,062	23,404	12,729	7,459	5,068	4,492	4,570
Above Normal Water Years (14%)	4,869	7,687	15,491	26,532	30,769	24,525	16,378	9,782	5,975	4,450	4,197	3,941
Below Normal Water Years (18%)	4,447	7,218	17,675	16,281	15,966	16,399	12,675	8,350	5,254	4,981	3,968	3,133
Dry Water Years (24%)	5,004	7,249	16,863	9,863	17,250	15,162	10,119	7,197	4,997	4,907	3,675	2,213
Critical Water Years (16%)	2,723	4,670	10,933	7,829	9,946	9,154	6,117	5,678	4,265	4,352	3,054	2,134

Table F.2.2-5-8b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,312	9,994	28,058	35,992	49,174	27,266	15,661	11,626	11,815	15,004	11,870	9,822
20% Exceedance	8,102	8,872	18,333	23,284	31,777	20,739	11,722	9,770	10,872	14,535	10,516	9,022
30% Exceedance	7,758	8,077	11,937	16,437	19,189	14,287	9,366	9,209	10,188	13,941	9,740	8,353
40% Exceedance	7,013	7,612	8,938	12,148	13,380	10,473	8,520	8,792	9,598	13,476	9,200	6,989
50% Exceedance	6,139	7,051	7,395	8,774	10,728	8,518	8,020	8,434	8,924	12,443	8,878	6,547
60% Exceedance	5,800	6,438	6,767	7,211	8,299	7,823	7,398	7,878	8,465	11,612	8,607	5,881
70% Exceedance	5,416	6,200	5,930	6,272	7,442	7,075	6,682	7,492	8,184	10,748	8,119	5,630
80% Exceedance	5,152	5,897	5,454	5,685	6,725	6,256	6,236	7,264	7,938	10,324	7,632	5,405
90% Exceedance	4,909	5,281	4,990	4,994	5,617	5,478	5,315	6,510	7,389	9,210	7,177	5,003
Full Simulation Period Average[a]	6,738	7,778	12,485	15,555	19,799	14,239	9,827	8,964	9,397	12,298	9,069	7,072
Wet Water Years (28%)	8,211	8,862	13,755	30,146	37,127	25,289	15,098	9,459	9,128	12,746	9,697	9,194
Above Normal Water Years (14%)	7,675	9,274	10,822	19,347	26,464	17,421	9,755	9,366	9,196	14,126	9,972	8,820
Below Normal Water Years (18%)	6,520	7,318	14,107	10,510	10,681	9,448	8,334	10,330	9,609	12,785	9,765	6,203
Dry Water Years (24%)	5,737	7,060	14,261	6,543	10,905	8,431	7,302	8,192	10,057	11,866	8,612	5,716
Critical Water Years (16%)	4,917	5,959	6,987	5,899	7,244	6,217	6,134	7,368	8,814	10,016	7,080	4,841

Table F.2.2-5-8c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,205	-2,191	-6,863	-6,681	513	-9,270	-12,438	-3,452	3,248	9,330	7,169	4,909
20% Exceedance	2,655	-428	-7,887	-6,949	-2,570	-7,101	-9,554	-2,476	4,099	9,117	6,103	4,539
30% Exceedance	2,652	429	-6,208	-7,864	-8,569	-8,689	-8,382	-896	4,262	8,728	5,467	4,079
40% Exceedance	2,395	1,577	-4,769	-7,440	-10,431	-8,963	-5,173	311	4,259	8,535	5,065	3,081
50% Exceedance	1,783	1,631	-3,014	-6,354	-7,843	-7,986	-3,232	1,007	3,808	7,673	4,907	3,086
60% Exceedance	1,723	1,455	-1,794	-4,554	-6,119	-6,690	-2,329	937	3,564	7,022	4,833	3,568
70% Exceedance	1,760	1,757	-1,046	-2,310	-5,507	-5,552	-1,718	1,402	3,595	6,281	4,551	3,568
80% Exceedance	1,940	1,691	7	-1,854	-2,292	-4,156	-1,577	1,725	3,615	6,112	4,293	3,490
90% Exceedance	2,353	1,665	321	-940	-1,748	-1,643	-1,037	1,524	3,571	5,196	3,988	3,211
Full Simulation Period Average[a]	2,183	626	-2,988	-4,270	-3,877	-5,667	-4,708	-108	3,645	7,485	5,139	3,804
Wet Water Years (28%)	3,155	791	-1,532	-3,997	-1,315	-4,772	-8,305	-3,271	1,669	7,678	5,205	4,624
Above Normal Water Years (14%)	2,806	1,588	-4,669	-7,185	-4,305	-7,104	-6,623	-416	3,221	9,676	5,775	4,879
Below Normal Water Years (18%)	2,074	100	-3,568	-5,772	-5,285	-6,951	-4,341	1,981	4,355	7,803	5,797	3,070
Dry Water Years (24%)	733	-189	-2,602	-3,320	-6,345	-6,731	-2,818	995	5,061	6,959	4,937	3,503
Critical Water Years (16%)	2,194	1,289	-3,946	-1,930	-2,702	-2,937	16	1,690	4,549	5,663	4,027	2,707

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-9a. Sacramento River below Red Bluff Diversion Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,107	12,185	34,920	42,673	48,661	36,535	28,098	15,078	8,567	5,674	4,701	4,913
20% Exceedance	5,447	9,301	26,220	30,234	34,346	27,840	21,276	12,245	6,773	5,418	4,413	4,483
30% Exceedance	5,106	7,648	18,145	24,302	27,757	22,976	17,748	10,104	5,926	5,213	4,274	4,275
40% Exceedance	4,618	6,035	13,706	19,587	23,811	19,436	13,693	8,481	5,339	4,941	4,135	3,908
50% Exceedance	4,356	5,420	10,409	15,128	18,571	16,503	11,252	7,426	5,116	4,770	3,971	3,461
60% Exceedance	4,077	4,983	8,561	11,765	14,418	14,513	9,727	6,941	4,902	4,591	3,775	2,312
70% Exceedance	3,656	4,443	6,976	8,582	12,948	12,627	8,400	6,090	4,588	4,467	3,567	2,062
80% Exceedance	3,212	4,205	5,447	7,539	9,018	10,412	7,813	5,539	4,323	4,213	3,339	1,915
90% Exceedance	2,556	3,616	4,668	5,934	7,365	7,121	6,351	4,986	3,819	4,014	3,189	1,792
Full Simulation Period Average[a]	4,556	7,152	15,473	19,825	23,677	19,906	14,535	9,072	5,752	4,813	3,930	3,268
Wet Water Years (28%)	5,055	8,071	15,287	34,143	38,442	30,062	23,404	12,729	7,459	5,068	4,492	4,570
Above Normal Water Years (14%)	4,869	7,687	15,491	26,532	30,769	24,525	16,378	9,782	5,975	4,450	4,197	3,941
Below Normal Water Years (18%)	4,447	7,218	17,675	16,281	15,966	16,399	12,675	8,350	5,254	4,981	3,968	3,133
Dry Water Years (24%)	5,004	7,249	16,863	9,863	17,250	15,162	10,119	7,197	4,997	4,907	3,675	2,213
Critical Water Years (16%)	2,723	4,670	10,933	7,829	9,946	9,154	6,117	5,678	4,265	4,352	3,054	2,134

Table F.2.2-5-9b. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,536	10,235	28,077	37,968	49,173	28,705	15,592	11,423	12,459	15,130	11,878	9,668
20% Exceedance	8,267	8,605	17,298	25,338	31,145	20,577	11,401	9,823	11,477	14,797	10,740	8,998
30% Exceedance	7,677	7,804	12,043	16,446	18,818	14,270	9,190	9,177	10,605	14,182	9,740	8,447
40% Exceedance	6,800	7,467	8,936	12,148	13,377	10,529	8,334	8,679	10,144	13,353	9,166	7,091
50% Exceedance	6,125	7,034	7,503	8,870	10,727	8,659	7,708	8,412	9,334	12,545	8,908	6,573
60% Exceedance	5,824	6,515	6,656	7,314	8,296	7,817	7,011	7,897	8,690	11,361	8,655	5,896
70% Exceedance	5,459	6,290	5,998	6,334	7,311	7,074	6,459	7,449	8,269	10,559	8,348	5,648
80% Exceedance	5,262	5,936	5,523	5,772	6,438	6,024	5,330	7,087	7,972	10,081	7,677	5,430
90% Exceedance	5,006	5,456	4,917	5,084	5,315	5,091	4,718	6,279	7,753	8,715	7,182	5,085
Full Simulation Period Average[a]	6,769	7,712	12,441	15,717	19,718	14,216	9,453	8,917	9,708	12,221	9,152	7,114
Wet Water Years (28%)	8,250	8,765	13,810	30,237	37,090	25,295	15,006	9,458	9,202	12,763	9,665	9,153
Above Normal Water Years (14%)	7,760	9,068	10,822	19,498	26,462	17,770	9,080	9,152	9,990	14,278	10,179	8,734
Below Normal Water Years (18%)	6,316	7,365	14,010	10,540	10,562	9,458	7,797	10,295	10,308	13,085	10,102	6,165
Dry Water Years (24%)	5,762	6,872	14,054	6,673	10,817	8,478	7,381	8,468	10,432	11,952	8,701	5,775
Critical Water Years (16%)	5,167	6,151	7,041	6,388	7,064	5,676	5,035	6,889	8,586	8,907	6,967	5,202

Table F.2.2-5-9c. Sacramento River below Red Bluff Diversion Dam Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,429	-1,950	-6,843	-4,705	511	-7,830	-12,506	-3,655	3,893	9,456	7,177	4,755
20% Exceedance	2,819	-696	-8,922	-4,895	-3,201	-7,263	-9,875	-2,422	4,705	9,380	6,327	4,515
30% Exceedance	2,570	156	-6,103	-7,855	-8,939	-8,705	-8,557	-927	4,679	8,969	5,467	4,173
40% Exceedance	2,181	1,432	-4,771	-7,439	-10,434	-8,907	-5,359	198	4,805	8,412	5,031	3,183
50% Exceedance	1,769	1,613	-2,906	-6,258	-7,844	-7,845	-3,544	985	4,218	7,775	4,937	3,112
60% Exceedance	1,746	1,532	-1,906	-4,450	-6,122	-6,696	-2,716	956	3,789	6,771	4,880	3,584
70% Exceedance	1,803	1,847	-978	-2,248	-5,638	-5,553	-1,940	1,359	3,680	6,092	4,781	3,586
80% Exceedance	2,050	1,730	76	-1,766	-2,580	-4,388	-2,484	1,548	3,649	5,869	4,338	3,516
90% Exceedance	2,450	1,840	248	-850	-2,051	-2,030	-1,633	1,293	3,934	4,702	3,992	3,293
Full Simulation Period Average[a]	2,213	560	-3,032	-4,108	-3,959	-5,691	-5,081	-155	3,956	7,409	5,222	3,846
Wet Water Years (28%)	3,195	694	-1,477	-3,906	-1,352	-4,767	-8,397	-3,271	1,743	7,695	5,173	4,583
Above Normal Water Years (14%)	2,891	1,382	-4,669	-7,034	-4,307	-6,755	-7,298	-629	4,015	9,828	5,983	4,793
Below Normal Water Years (18%)	1,869	148	-3,664	-5,742	-5,404	-6,941	-4,878	1,945	5,054	8,103	6,134	3,031
Dry Water Years (24%)	759	-377	-2,809	-3,190	-6,432	-6,684	-2,738	1,271	5,435	7,045	5,026	3,562
Critical Water Years (16%)	2,444	1,482	-3,892	-1,441	-2,882	-3,478	-1,082	1,211	4,321	4,555	3,913	3,068

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-5-10a. Sacramento River below Red Bluff Diversion Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,107	12,185	34,920	42,673	48,661	36,535	28,098	15,078	8,567	5,674	4,701	4,913
20% Exceedance	5,447	9,301	26,220	30,234	34,346	27,840	21,276	12,245	6,773	5,418	4,413	4,483
30% Exceedance	5,106	7,648	18,145	24,302	27,757	22,976	17,748	10,104	5,926	5,213	4,274	4,275
40% Exceedance	4,618	6,035	13,706	19,587	23,811	19,436	13,693	8,481	5,339	4,941	4,135	3,908
50% Exceedance	4,356	5,420	10,409	15,128	18,571	16,503	11,252	7,426	5,116	4,770	3,971	3,461
60% Exceedance	4,077	4,983	8,561	11,765	14,418	14,513	9,727	6,941	4,902	4,591	3,775	2,312
70% Exceedance	3,656	4,443	6,976	8,582	12,948	12,627	8,400	6,090	4,588	4,467	3,567	2,062
80% Exceedance	3,212	4,205	5,447	7,539	9,018	10,412	7,813	5,539	4,323	4,213	3,339	1,915
90% Exceedance	2,556	3,616	4,668	5,934	7,365	7,121	6,351	4,986	3,819	4,014	3,189	1,792
Full Simulation Period Average[a]	4,556	7,152	15,473	19,825	23,677	19,906	14,535	9,072	5,752	4,813	3,930	3,268
Wet Water Years (28%)	5,055	8,071	15,287	34,143	38,442	30,062	23,404	12,729	7,459	5,068	4,492	4,570
Above Normal Water Years (14%)	4,869	7,687	15,491	26,532	30,769	24,525	16,378	9,782	5,975	4,450	4,197	3,941
Below Normal Water Years (18%)	4,447	7,218	17,675	16,281	15,966	16,399	12,675	8,350	5,254	4,981	3,968	3,133
Dry Water Years (24%)	5,004	7,249	16,863	9,863	17,250	15,162	10,119	7,197	4,997	4,907	3,675	2,213
Critical Water Years (16%)	2,723	4,670	10,933	7,829	9,946	9,154	6,117	5,678	4,265	4,352	3,054	2,134

Table F.2.2-5-10b. Sacramento River below Red Bluff Diversion Dam Flow, NAA, 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

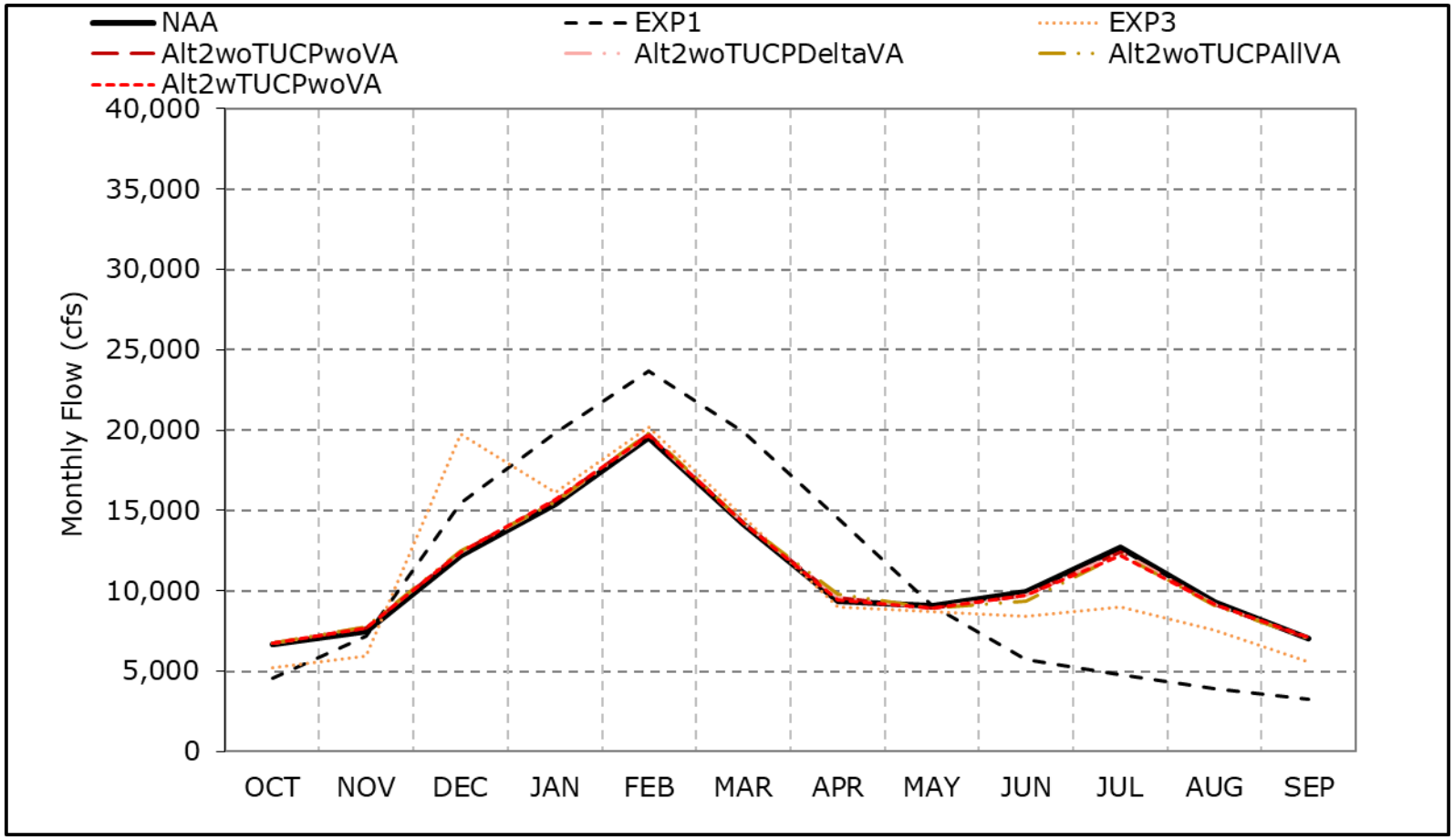
Table F.2.2-5-10c. Sacramento River below Red Bluff Diversion Dam Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,093	-2,542	-6,842	-7,222	509	-8,902	-12,510	-3,699	4,123	9,594	7,477	4,541
20% Exceedance	2,853	-929	-9,248	-7,250	-3,202	-7,082	-9,870	-2,185	4,912	9,592	6,466	4,432
30% Exceedance	2,400	111	-6,191	-7,865	-8,916	-8,697	-8,307	-909	4,877	9,373	5,724	4,065
40% Exceedance	2,141	1,137	-4,816	-7,828	-10,798	-8,886	-5,667	354	4,995	8,624	5,333	3,215
50% Exceedance	1,743	1,290	-2,918	-6,555	-7,885	-7,910	-3,765	998	4,286	8,241	4,881	2,947
60% Exceedance	1,611	1,405	-2,040	-4,726	-6,100	-6,645	-2,872	1,014	4,021	7,842	4,838	3,479
70% Exceedance	1,799	1,670	-1,134	-2,381	-5,613	-5,572	-2,176	1,510	3,719	6,863	4,628	3,575
80% Exceedance	1,989	1,672	-186	-1,866	-2,411	-4,353	-2,535	1,853	3,655	6,051	4,482	3,548
90% Exceedance	2,307	1,554	-26	-929	-1,912	-2,060	-1,692	1,944	3,954	5,492	4,232	3,423
Full Simulation Period Average[a]	2,116	314	-3,245	-4,448	-4,114	-5,720	-5,151	-24	4,197	7,905	5,392	3,799
Wet Water Years (28%)	3,173	612	-1,587	-4,392	-1,526	-4,766	-8,402	-3,334	1,785	7,930	5,265	4,695
Above Normal Water Years (14%)	2,559	1,351	-4,761	-7,347	-4,359	-6,852	-7,307	-616	4,027	10,187	6,167	4,666
Below Normal Water Years (18%)	2,022	-304	-3,814	-5,877	-5,707	-7,078	-4,977	1,898	5,039	8,492	6,302	2,722
Dry Water Years (24%)	706	-442	-3,368	-3,487	-6,752	-6,775	-2,808	1,485	5,751	7,576	4,974	3,464
Critical Water Years (16%)	2,070	672	-3,945	-1,841	-2,678	-3,285	-1,282	1,861	5,290	5,699	4,541	3,187

[a] Based on the 100-year simulation period.

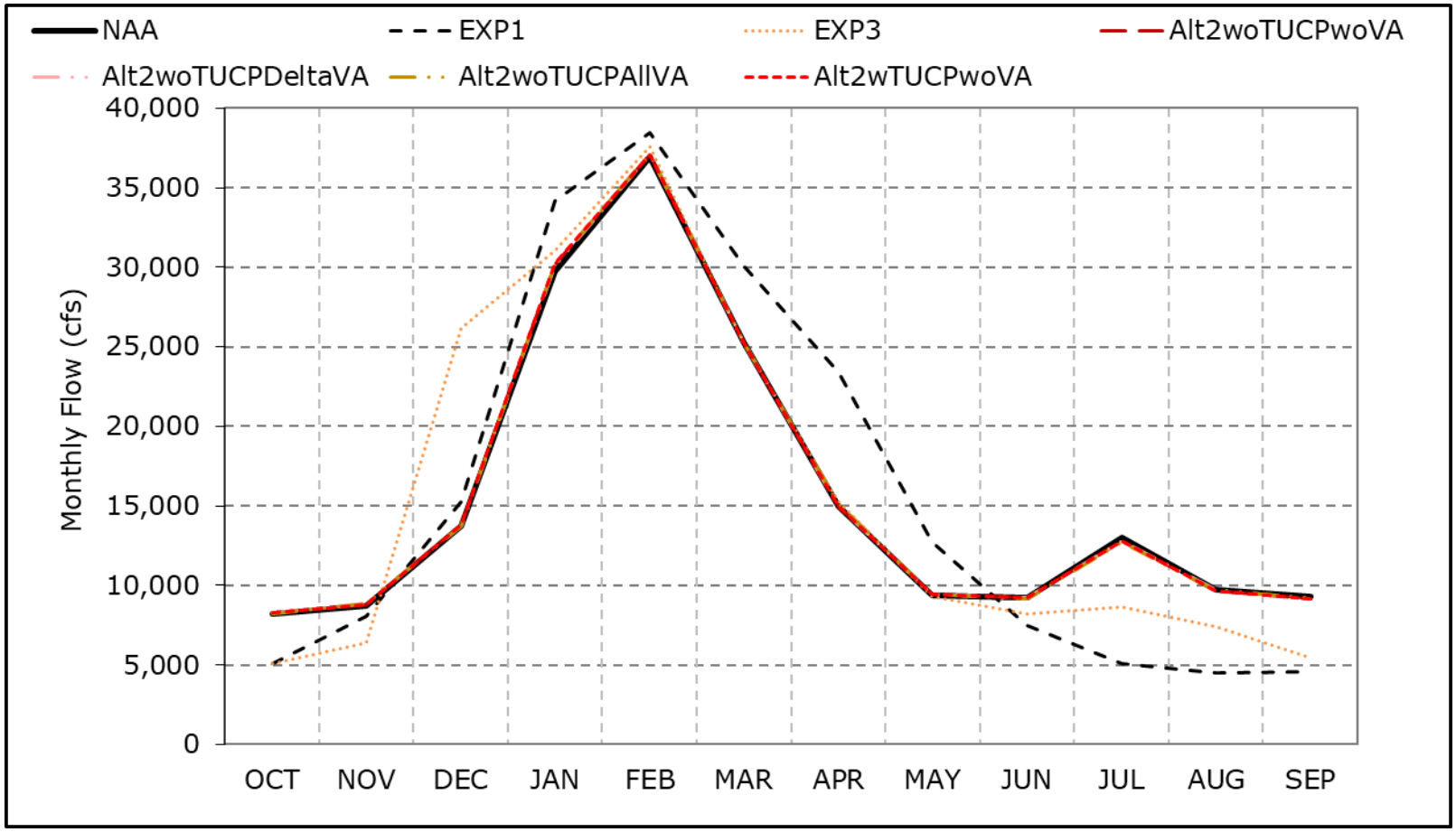
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



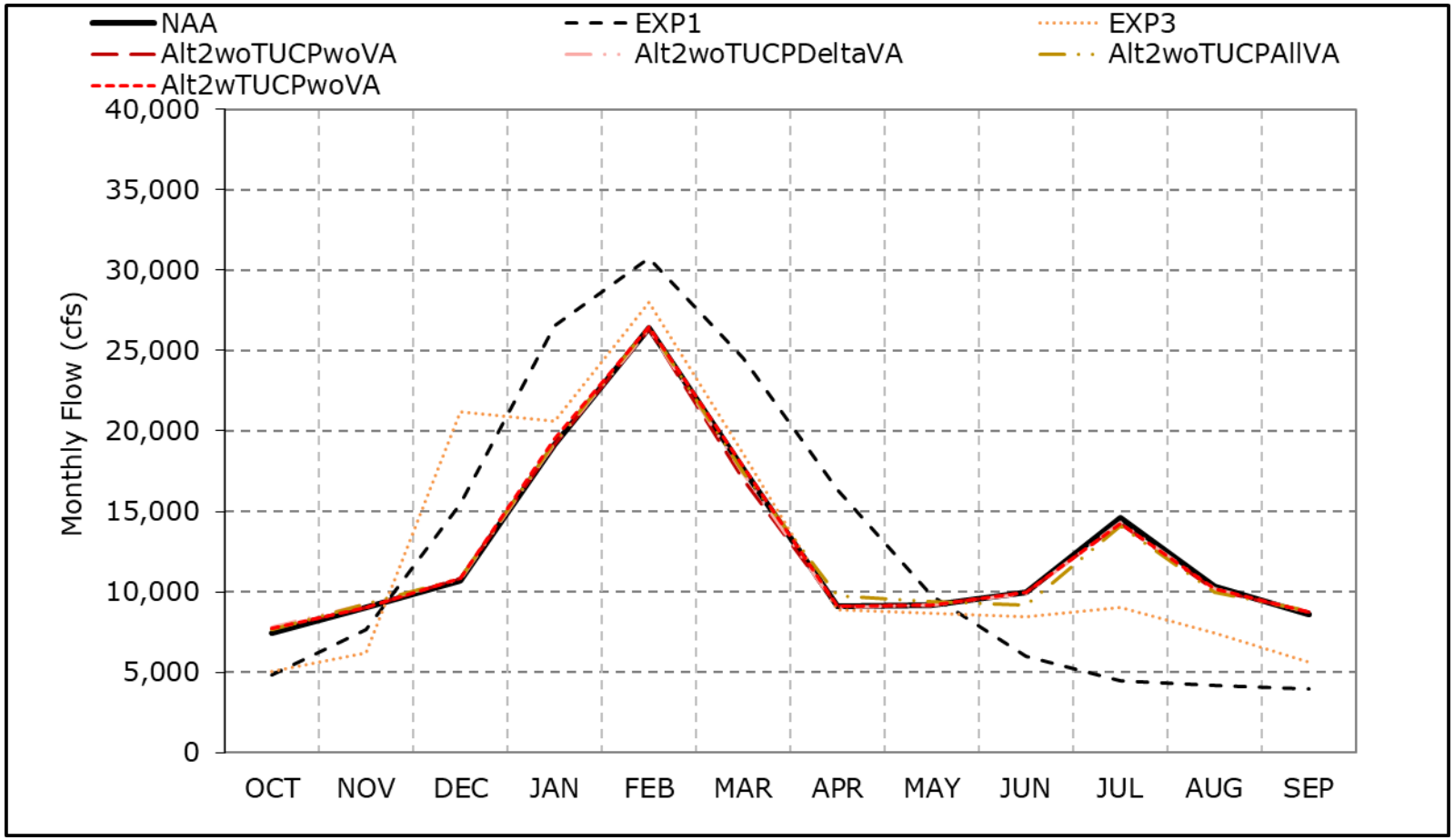
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



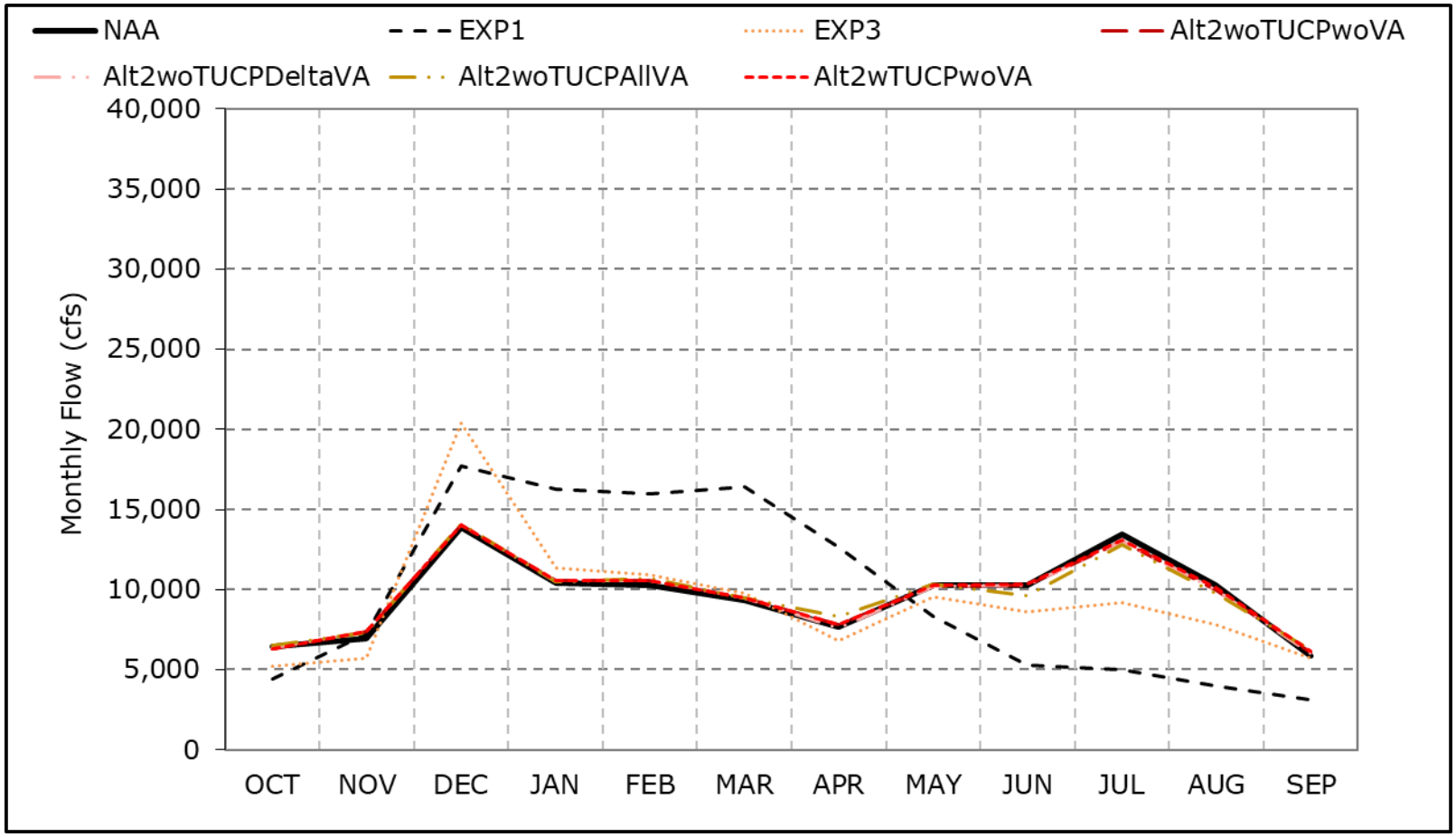
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



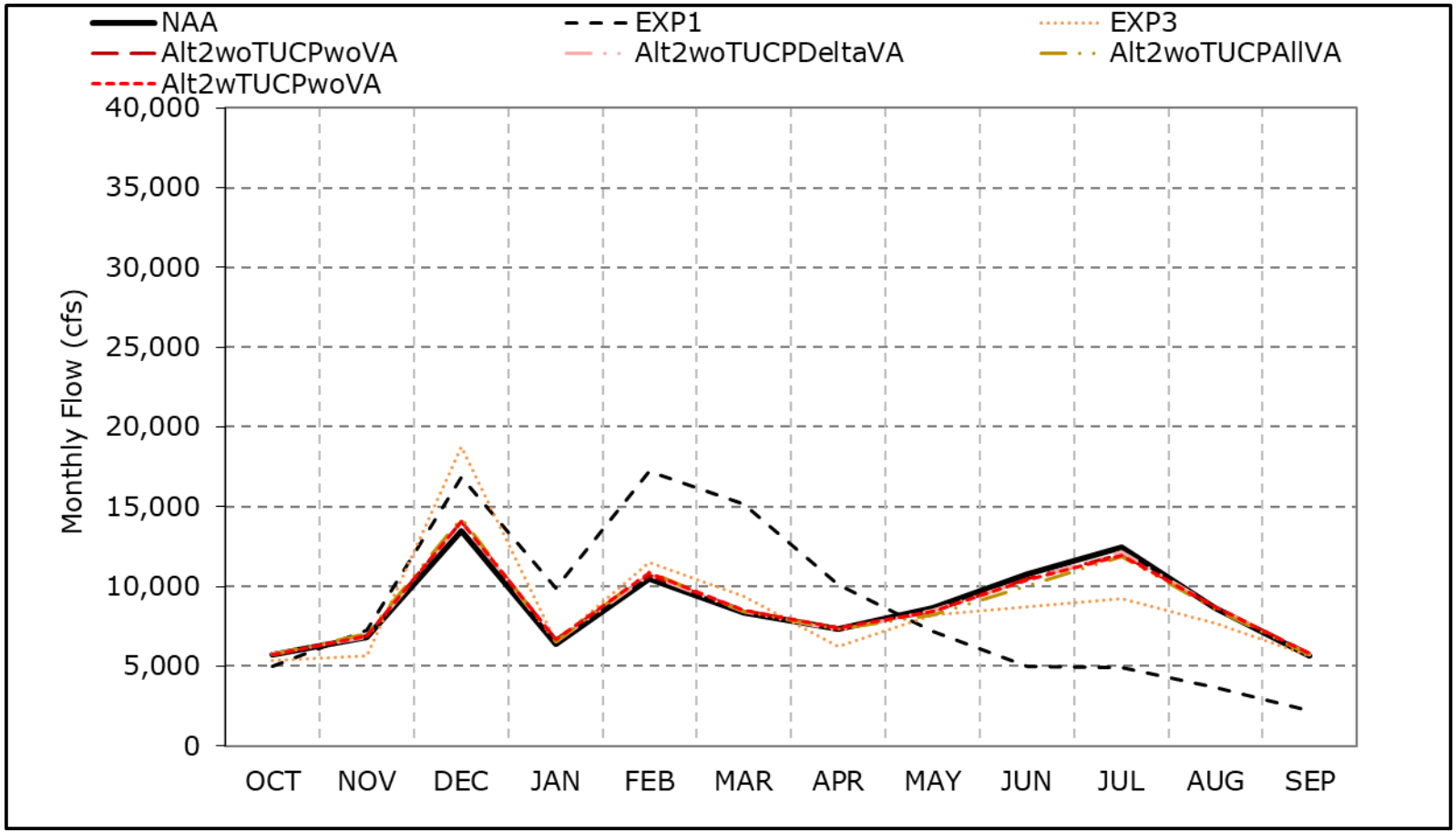
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



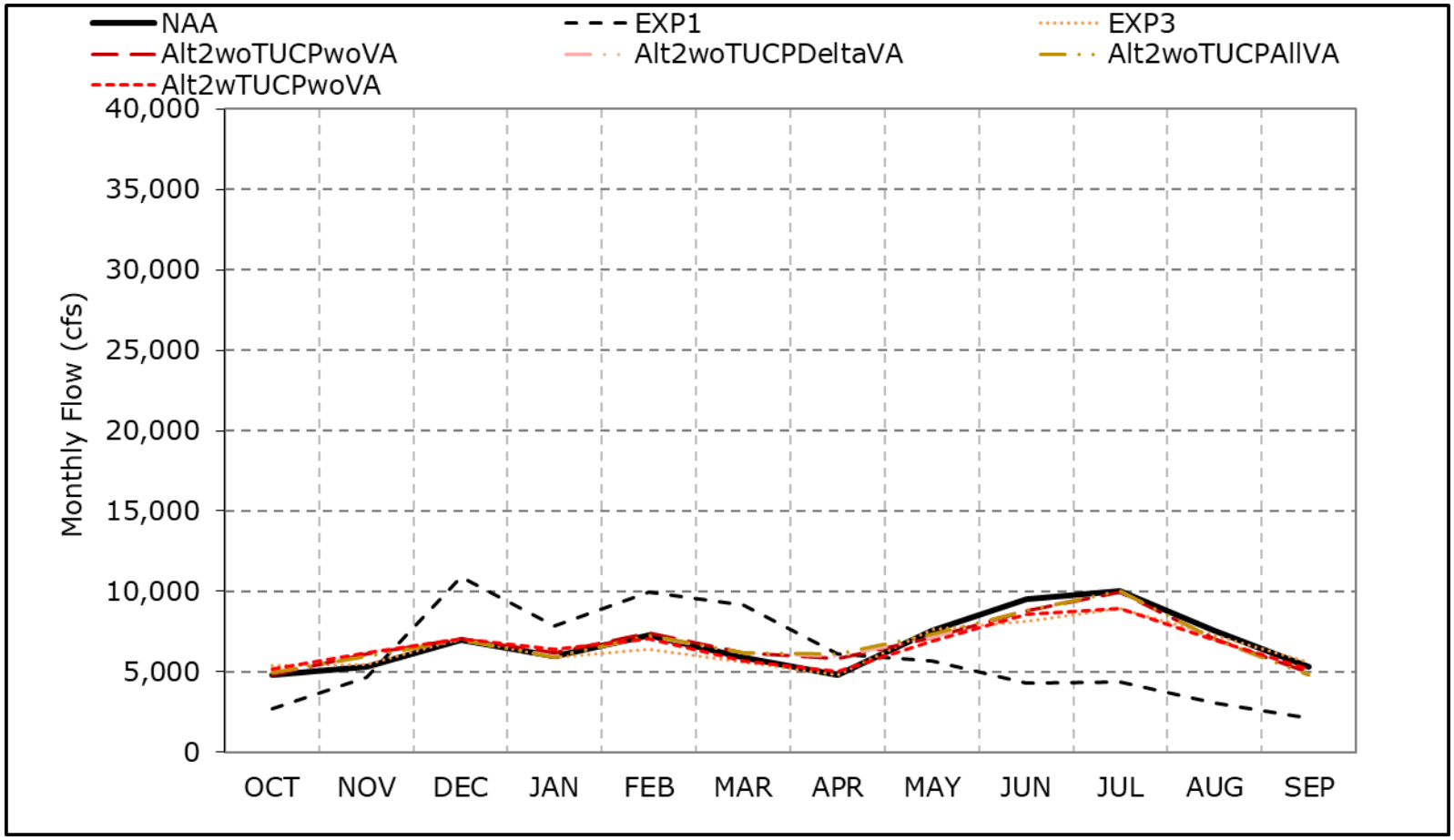
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



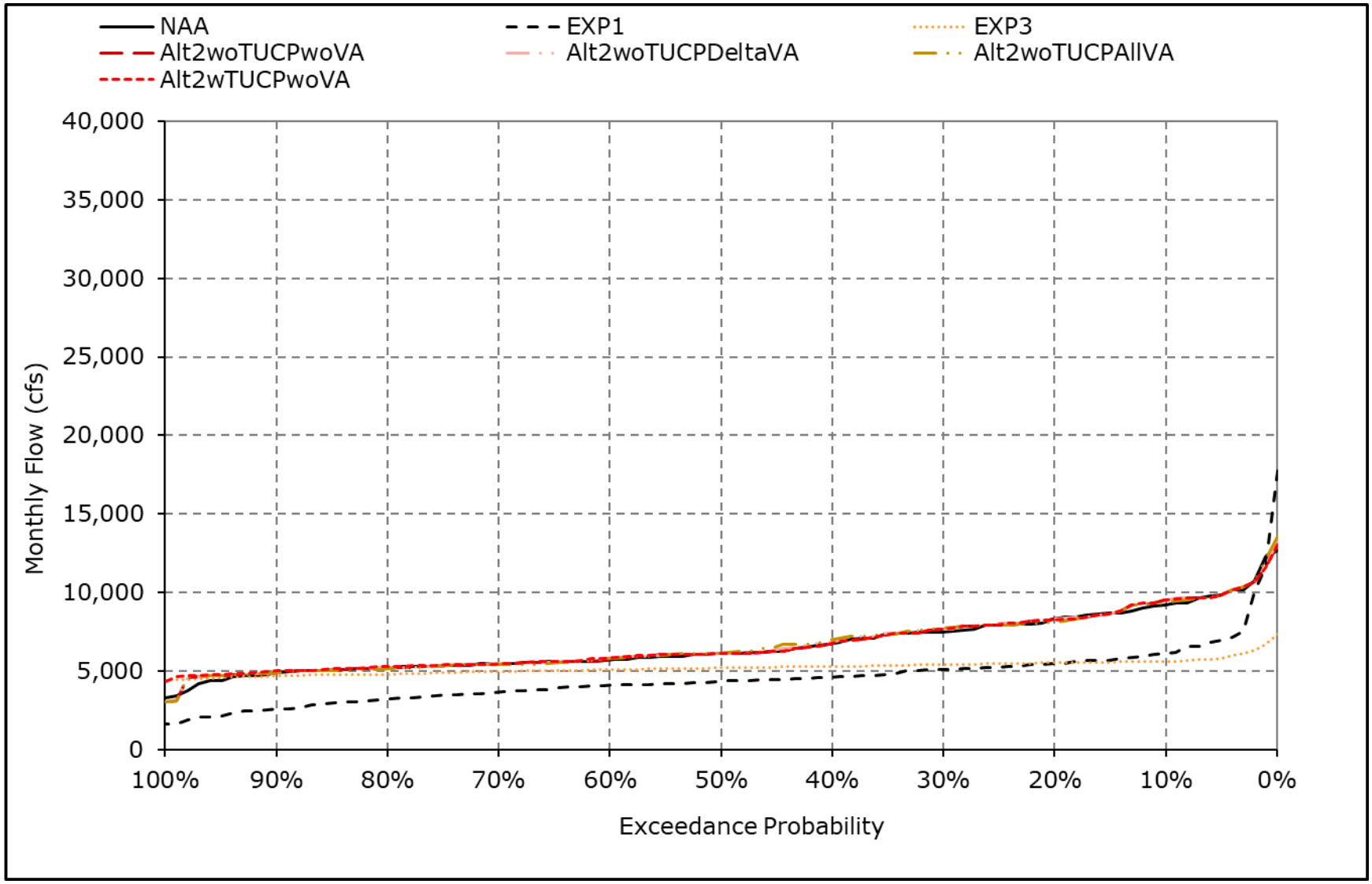
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



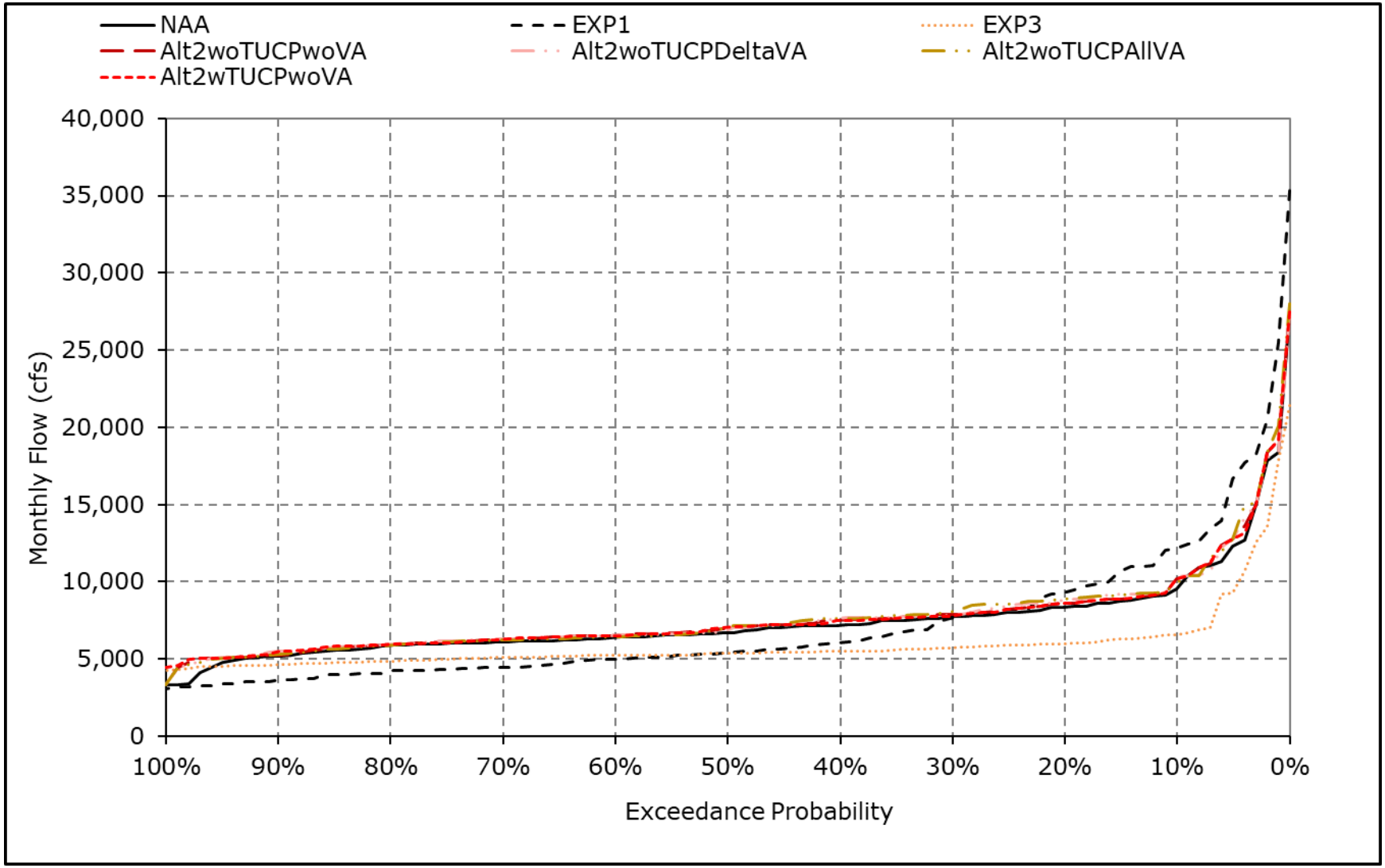
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



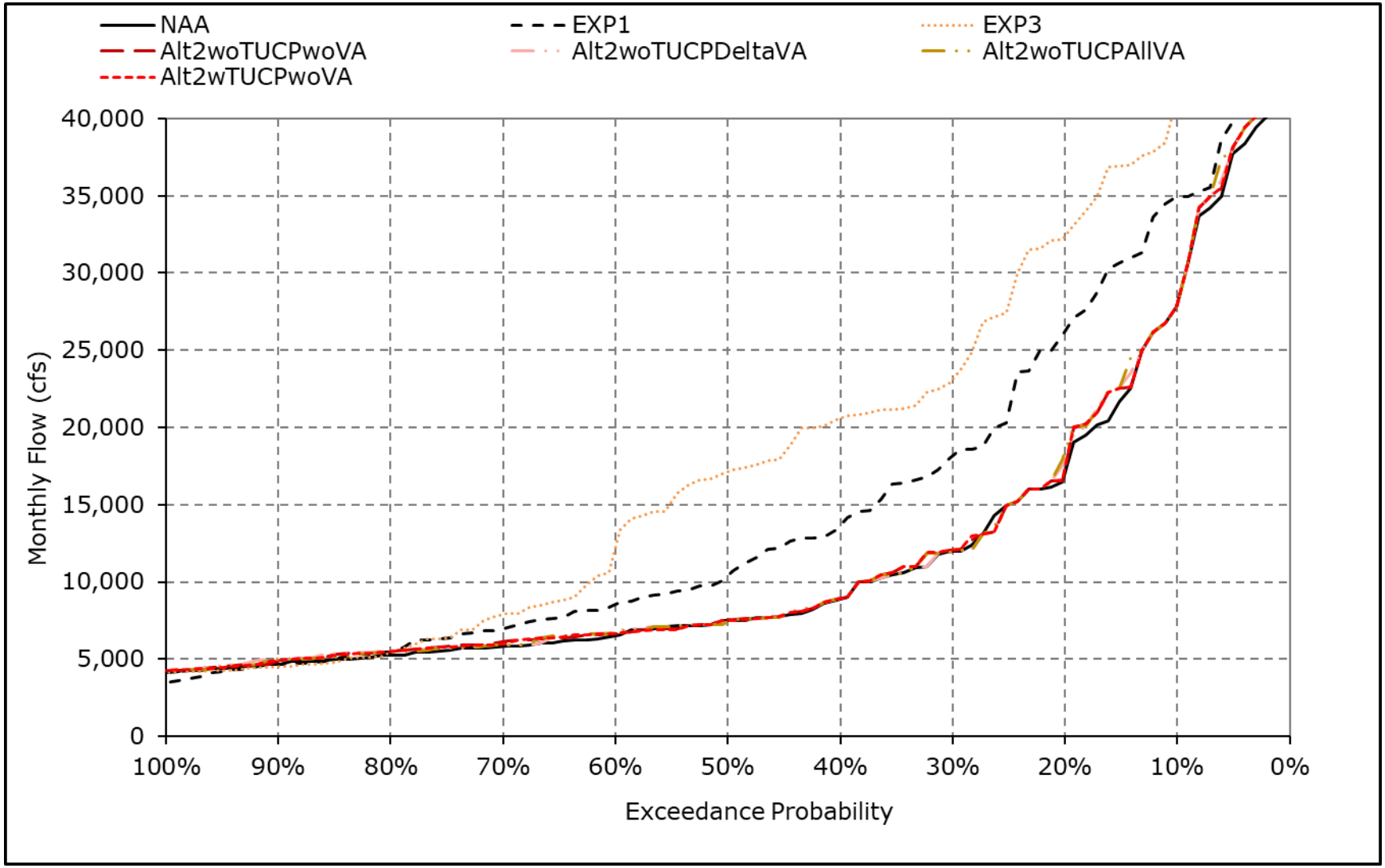
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



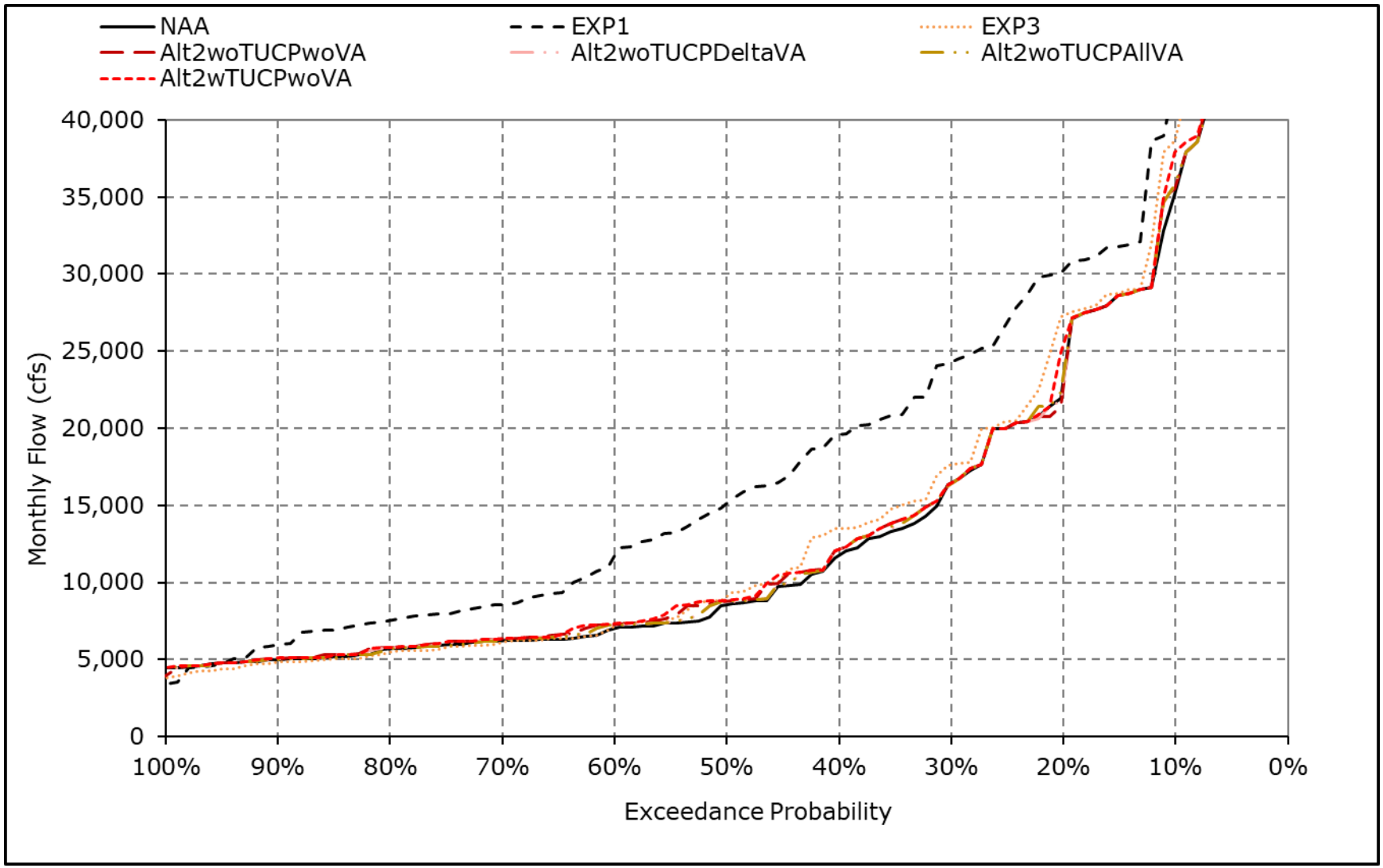
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



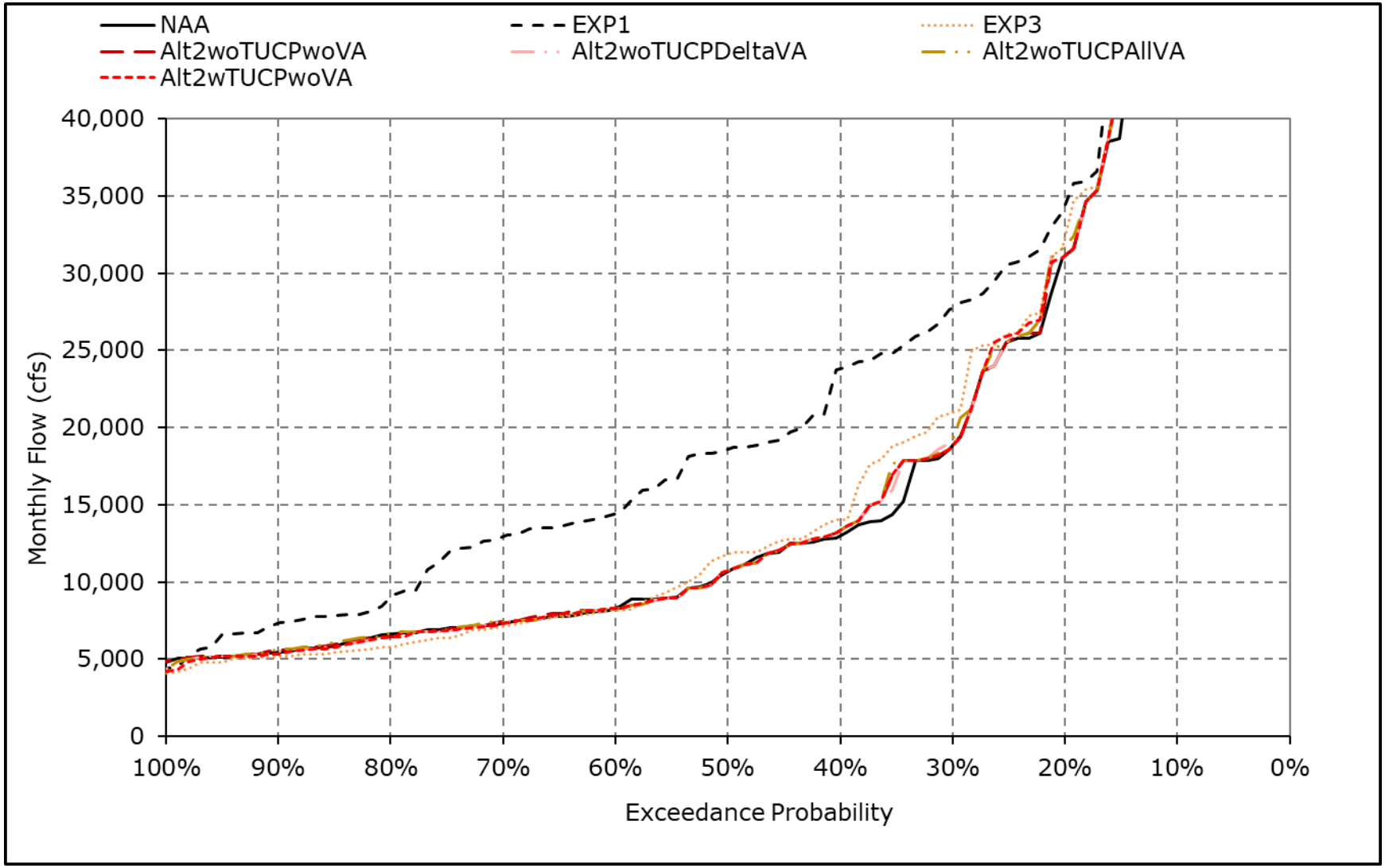
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



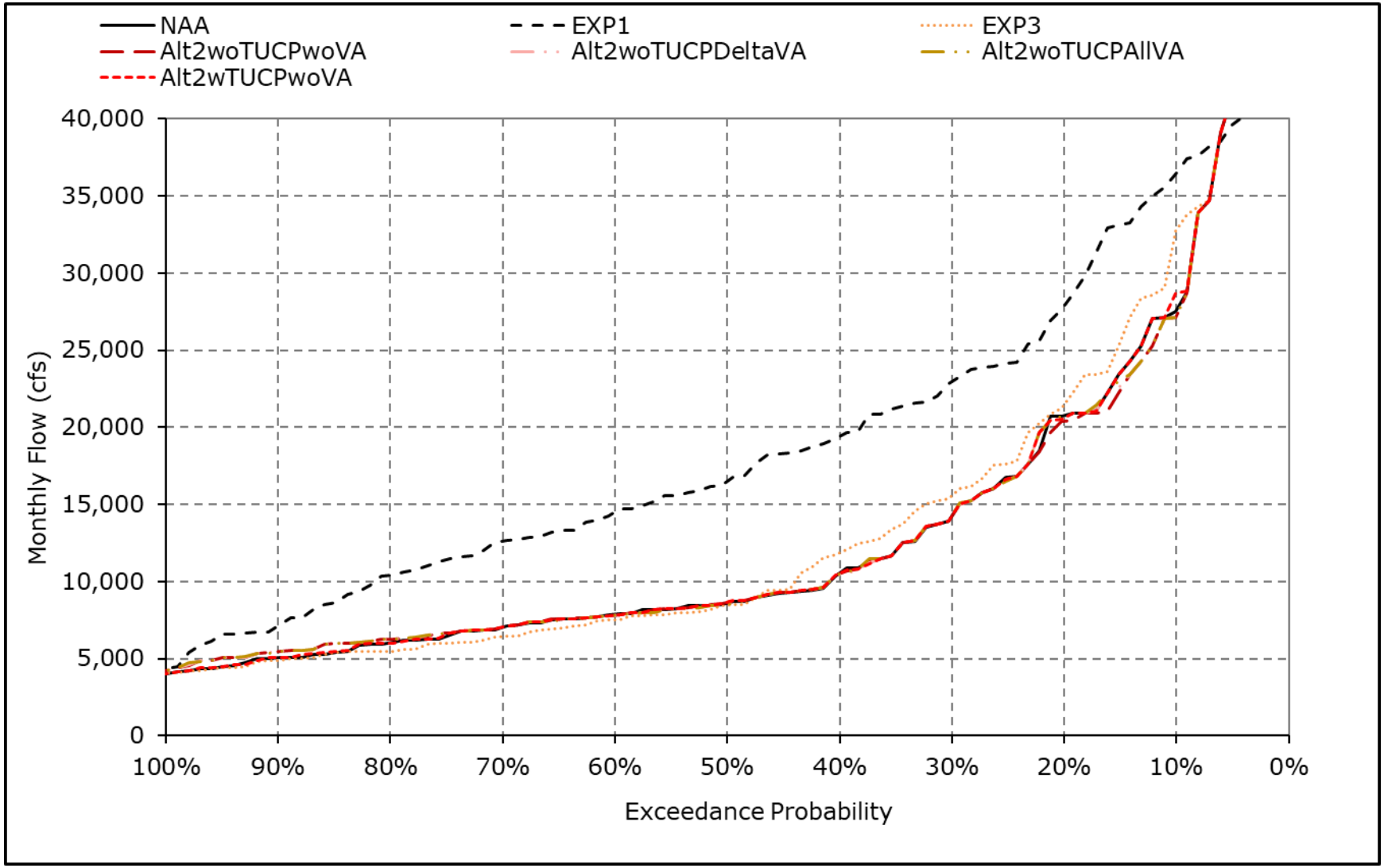
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



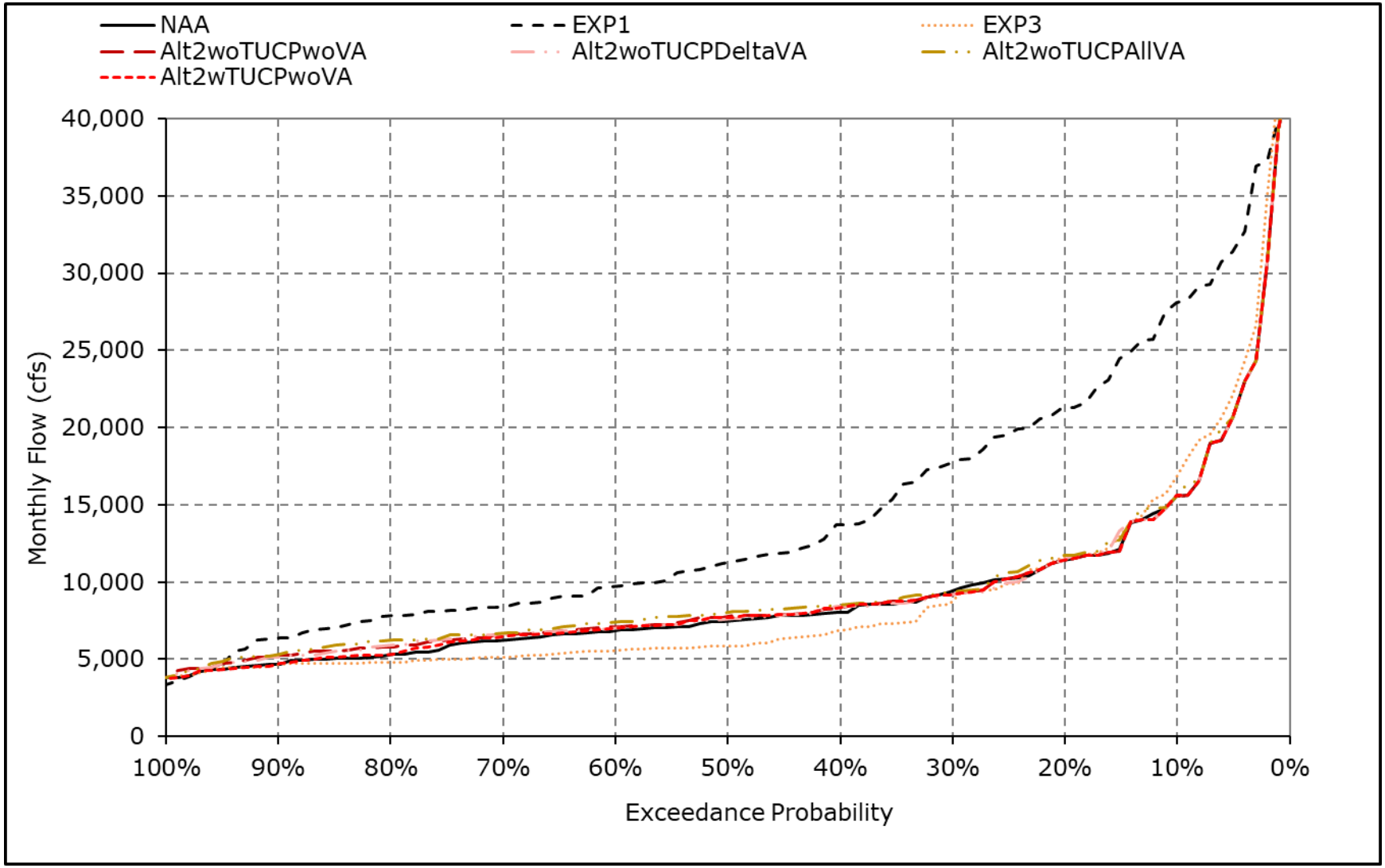
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



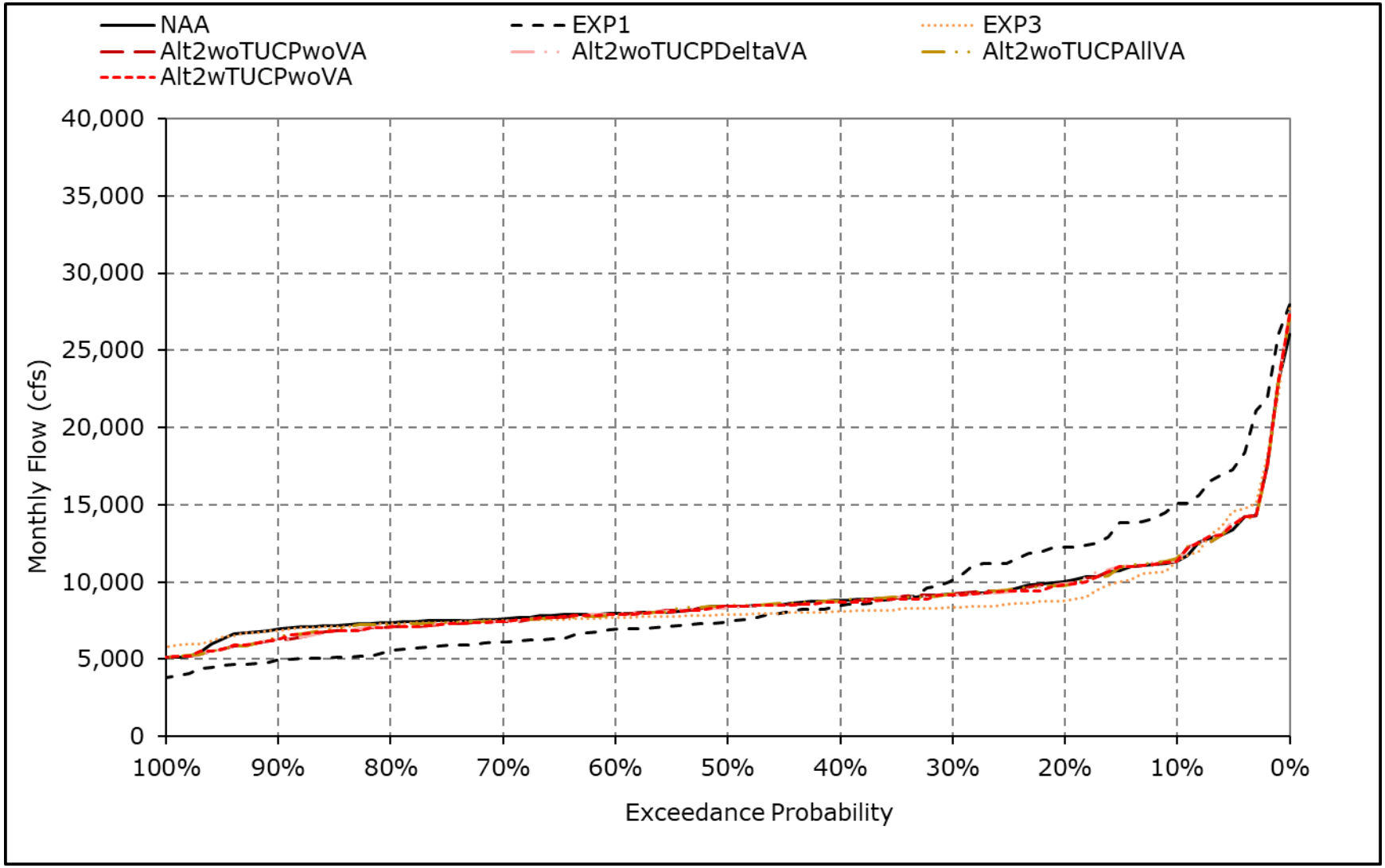
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



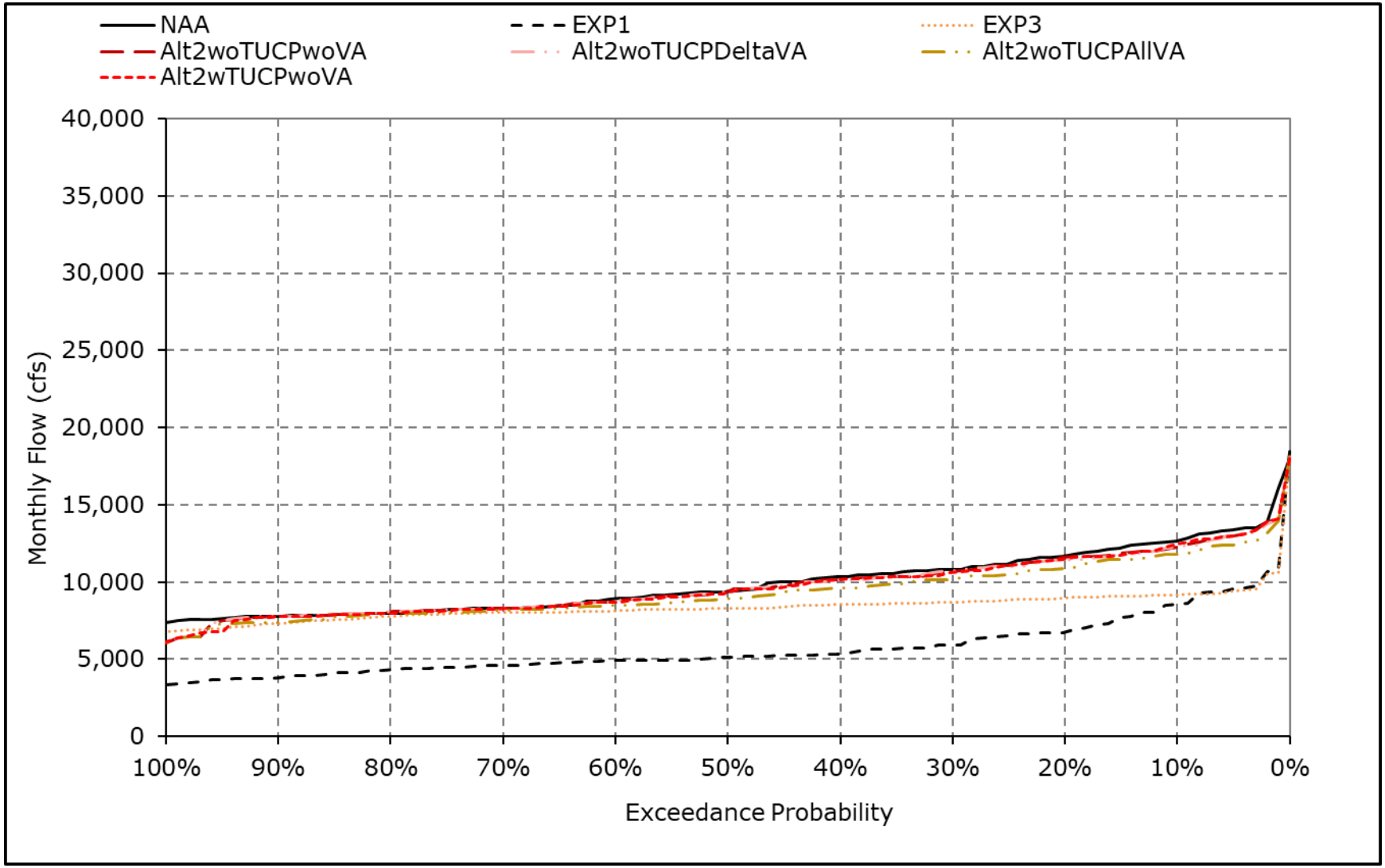
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



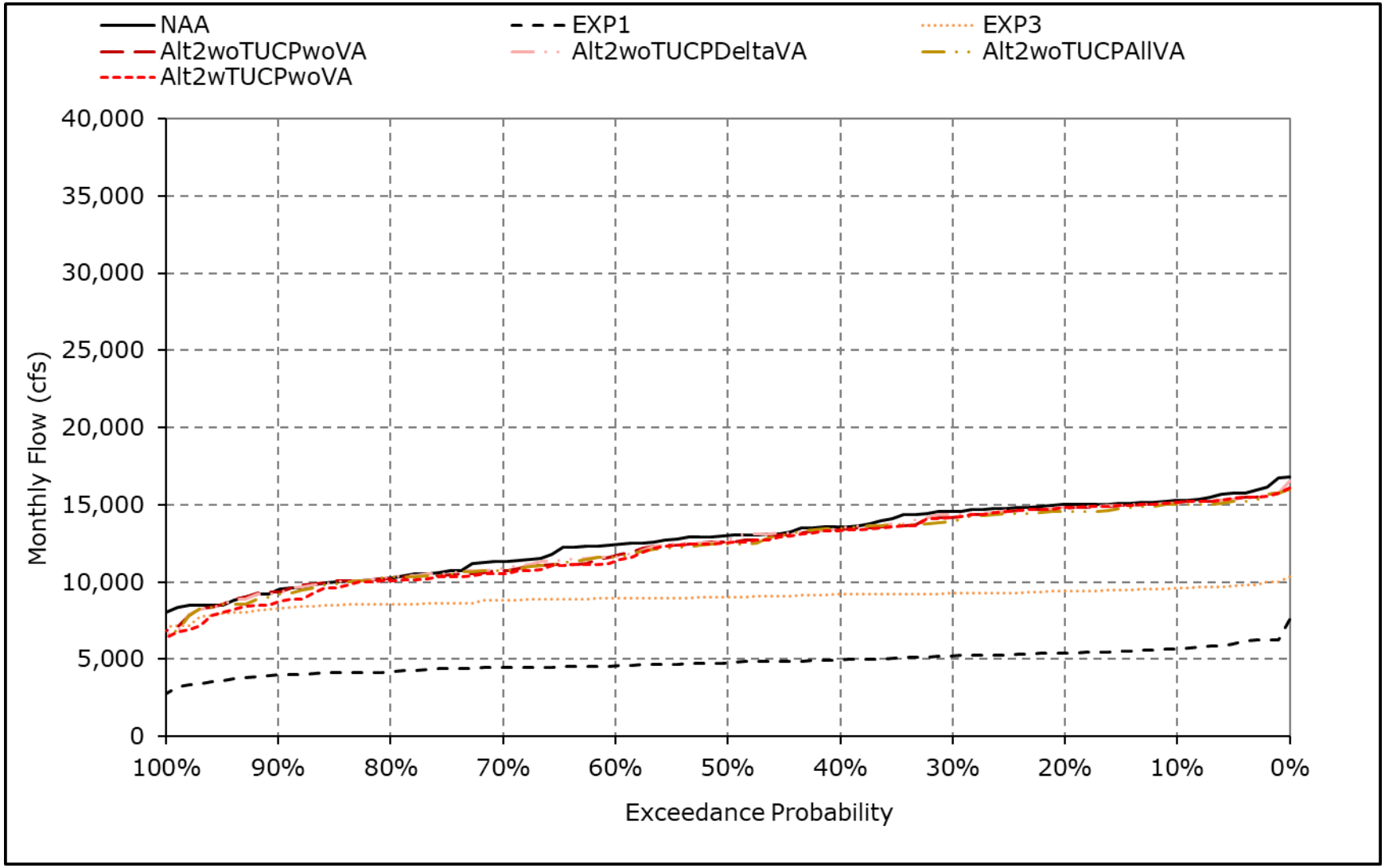
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



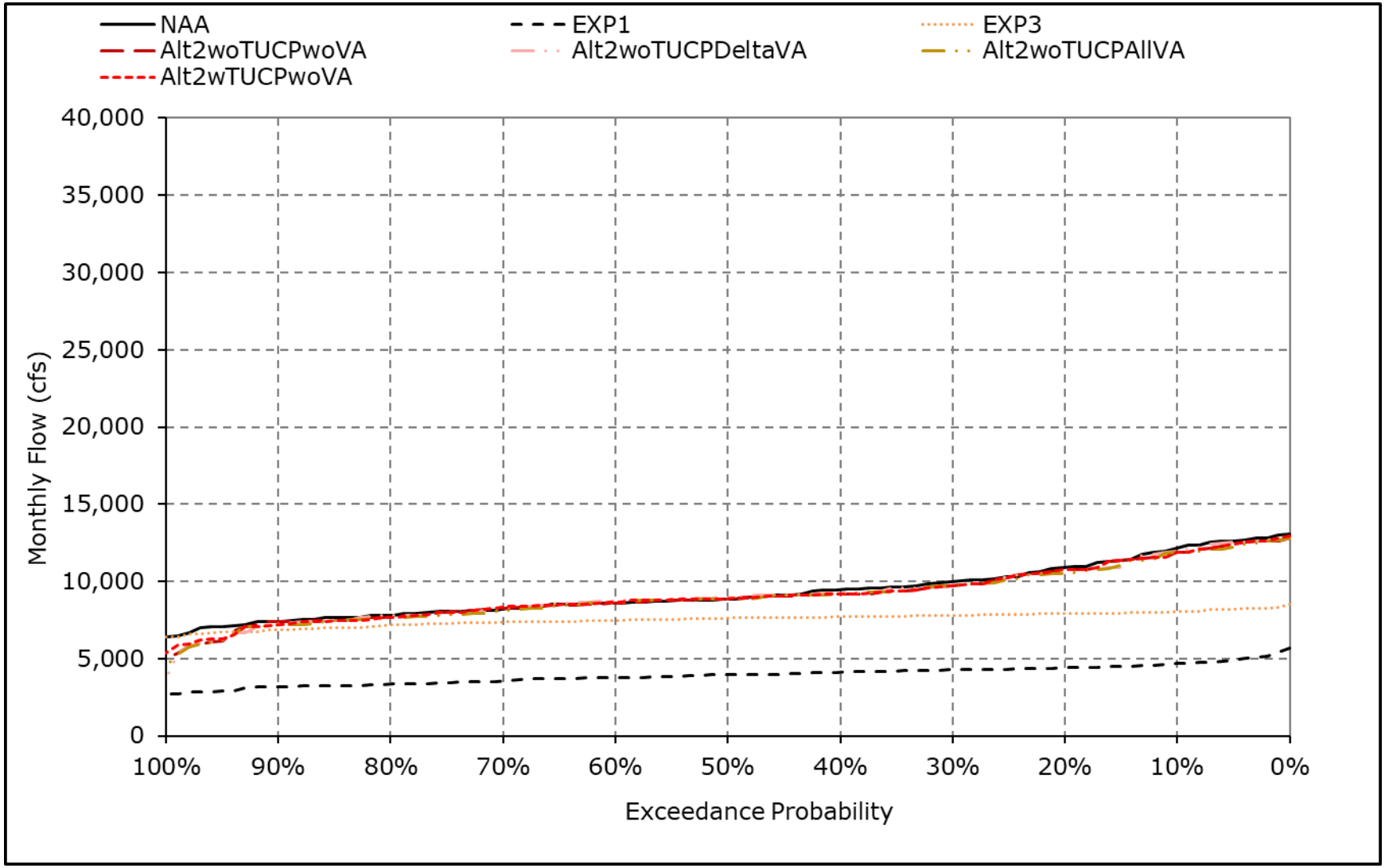
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-5-16. Sacramento River below Red Bluff Diversion Dam Flow, July



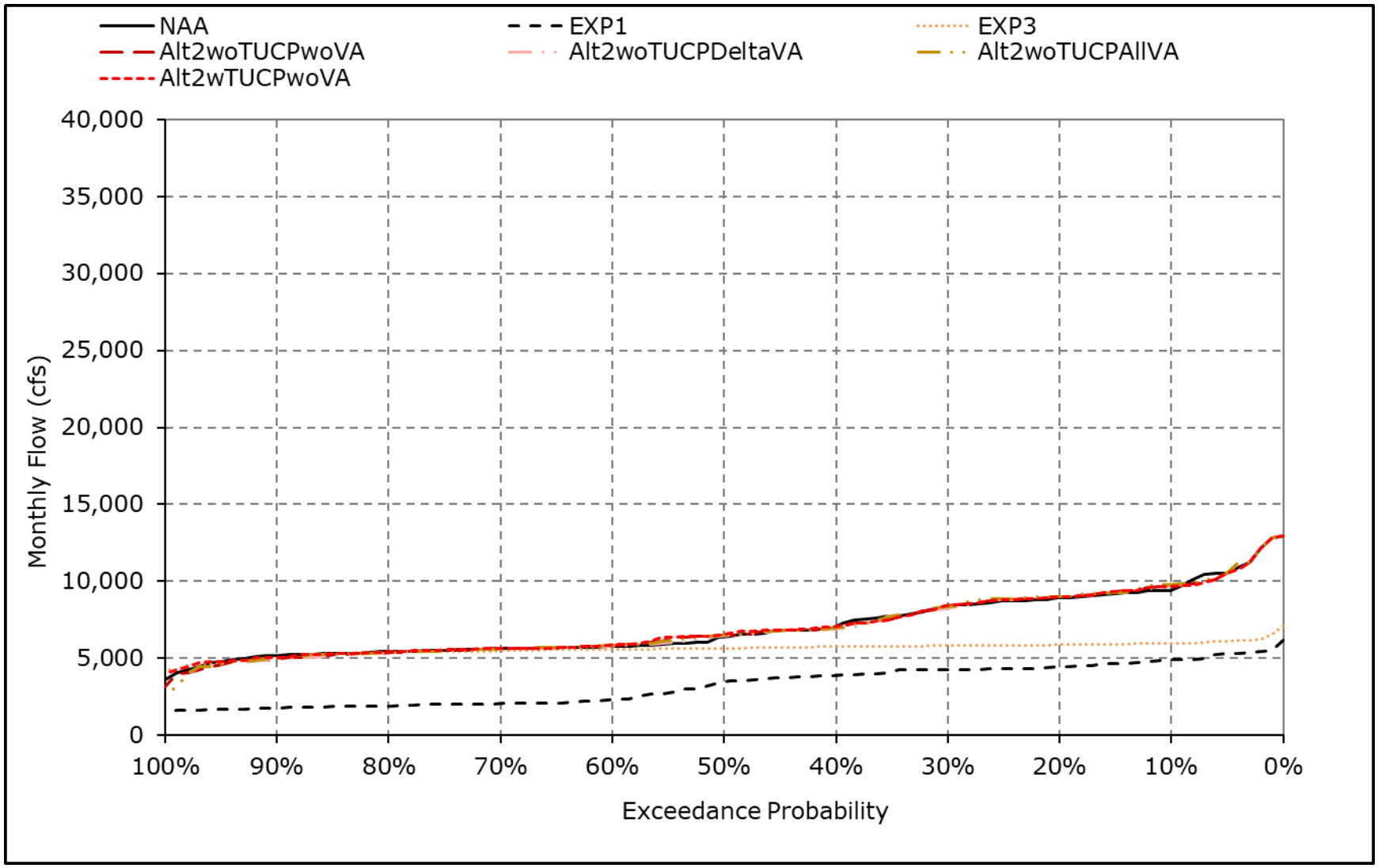
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-5-17. Sacramento River below Red Bluff Diversion Dam Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-5-18. Sacramento River below Red Bluff Diversion Dam Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-6-1a. Sacramento River Flow at Hamilton City, NAA, 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

Table F.2.2-6-1b. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,895	10,282	33,926	43,486	55,992	32,633	17,772	10,578	10,136	12,464	10,101	8,888
20% Exceedance	7,815	8,389	24,961	31,409	36,786	24,051	14,058	8,439	9,303	12,099	8,861	8,156
30% Exceedance	7,084	8,060	15,046	20,244	22,482	18,604	10,657	7,526	8,717	11,601	7,996	7,596
40% Exceedance	6,211	7,393	11,445	15,912	17,740	12,395	8,925	7,021	7,916	10,895	7,396	6,135
50% Exceedance	5,573	6,993	8,620	11,376	14,688	11,162	8,261	6,583	7,646	10,008	7,082	5,618
60% Exceedance	5,326	6,516	6,986	8,915	10,685	9,858	7,800	6,192	6,911	8,964	6,789	5,164
70% Exceedance	4,820	6,151	6,489	7,582	9,167	8,790	6,886	5,837	6,489	8,309	6,551	4,724
80% Exceedance	4,741	5,719	5,652	6,844	7,770	7,347	6,285	5,502	6,179	7,845	6,062	4,556
90% Exceedance	4,529	4,989	4,930	5,796	6,479	6,140	5,531	5,039	5,708	7,238	5,588	4,420
Full Simulation Period Average[a]	6,320	7,870	14,766	19,104	23,644	16,947	10,787	7,574	7,795	9,900	7,420	6,273
Wet Water Years (28%)	7,793	9,149	15,946	36,541	43,637	29,720	17,651	8,799	7,554	10,297	7,926	8,377
Above Normal Water Years (14%)	7,348	9,232	13,208	23,980	31,878	20,613	10,561	7,841	7,975	11,660	8,347	7,905
Below Normal Water Years (18%)	5,907	7,613	17,156	13,383	12,944	11,573	8,685	8,500	8,101	10,302	8,089	5,253
Dry Water Years (24%)	5,471	7,056	16,366	8,142	13,466	10,402	7,815	6,549	8,129	9,243	6,774	4,903
Critical Water Years (16%)	4,397	5,731	8,697	7,202	8,757	7,251	5,792	5,691	7,211	8,199	5,943	4,368

Table F.2.2-6-1c. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	217	-2	-5	387	3	-3	-4	-152	-307	-152	-307	186
20% Exceedance	-25	221	284	12	903	-487	-28	263	-258	-210	-250	36
30% Exceedance	112	285	-16	128	-19	-146	83	-42	-4	-319	-120	53
40% Exceedance	-287	74	7	1,382	1,090	25	71	20	-296	-132	-260	-124
50% Exceedance	15	214	63	135	38	68	120	74	-7	-360	15	95
60% Exceedance	-10	106	-171	323	253	27	315	-34	-11	-690	-38	278
70% Exceedance	-63	210	234	279	-66	63	337	-62	131	-471	-58	-10
80% Exceedance	60	304	351	335	-303	35	593	-111	56	70	56	-10
90% Exceedance	94	137	300	37	162	446	724	-253	-66	146	-121	-19
Full Simulation Period Average[a]	56	232	210	236	163	8	197	-40	-128	-252	-128	21
Wet Water Years (28%)	19	89	102	380	169	-5	1	62	-39	-225	-89	-109
Above Normal Water Years (14%)	327	26	86	9	-40	-652	3	-13	-12	-357	-230	130
Below Normal Water Years (18%)	-179	448	134	128	296	131	112	-64	11	-450	-287	206
Dry Water Years (24%)	47	61	550	307	193	96	47	-218	-299	-477	47	95
Critical Water Years (16%)	148	720	86	199	134	341	1,032	51	-285	353	-190	-168

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-2a. Sacramento River Flow at Hamilton City, NAA, 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

Table F.2.2-6-2b. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,858	10,300	33,924	43,510	55,993	32,640	17,772	10,849	10,189	12,385	10,246	8,906
20% Exceedance	7,746	8,621	24,930	31,600	37,038	24,534	14,059	8,730	9,248	12,109	8,741	8,206
30% Exceedance	7,140	8,034	15,048	20,240	22,480	18,514	10,484	7,435	8,677	11,680	8,068	7,372
40% Exceedance	6,267	7,513	11,444	15,912	17,741	12,395	8,826	6,847	7,937	10,981	7,387	6,046
50% Exceedance	5,698	7,013	8,538	11,333	14,691	11,163	8,350	6,494	7,618	10,246	7,123	5,567
60% Exceedance	5,313	6,553	7,201	8,761	10,687	9,859	7,552	6,227	6,921	9,135	6,955	4,980
70% Exceedance	4,843	6,015	6,584	7,411	9,168	8,660	7,002	5,894	6,505	8,503	6,521	4,667
80% Exceedance	4,746	5,784	5,478	6,726	7,742	7,346	6,274	5,542	6,203	7,904	5,947	4,552
90% Exceedance	4,528	4,991	5,193	5,796	6,324	6,137	5,499	5,049	5,705	7,102	5,542	4,436
Full Simulation Period Average[a]	6,357	7,898	14,770	19,033	23,614	16,975	10,759	7,579	7,785	9,958	7,433	6,240
Wet Water Years (28%)	7,793	9,235	15,889	36,514	43,650	29,710	17,651	8,781	7,564	10,292	7,972	8,381
Above Normal Water Years (14%)	7,404	9,398	13,193	24,029	31,878	20,957	10,550	7,869	7,876	11,710	8,406	7,922
Below Normal Water Years (18%)	5,983	7,624	17,258	13,349	12,982	11,568	8,503	8,505	8,101	10,316	8,086	5,229
Dry Water Years (24%)	5,474	7,019	16,413	8,000	13,445	10,331	7,743	6,562	8,112	9,402	6,778	4,830
Critical Water Years (16%)	4,489	5,636	8,641	7,011	8,534	7,252	5,944	5,707	7,248	8,270	5,886	4,275

Table F.2.2-6-2c. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	180	16	-7	412	4	5	-4	119	-254	-231	-162	205
20% Exceedance	-94	452	254	203	1,155	-4	-26	554	-313	-200	-370	86
30% Exceedance	169	259	-13	124	-22	-235	-90	-133	-45	-240	-48	-172
40% Exceedance	-231	194	6	1,382	1,091	25	-28	-154	-275	-47	-269	-214
50% Exceedance	140	234	-20	92	41	69	210	-15	-36	-122	56	44
60% Exceedance	-23	144	44	169	254	28	67	1	-1	-519	128	94
70% Exceedance	-39	73	329	108	-65	-67	453	-5	147	-276	-88	-67
80% Exceedance	66	369	178	217	-332	35	582	-71	80	129	-60	-14
90% Exceedance	93	139	562	36	7	443	692	-243	-69	10	-167	-3
Full Simulation Period Average[a]	92	260	214	165	132	36	170	-34	-137	-194	-115	-13
Wet Water Years (28%)	20	175	46	353	182	-15	2	44	-29	-230	-43	-105
Above Normal Water Years (14%)	382	193	71	58	-41	-308	-8	16	-112	-308	-171	147
Below Normal Water Years (18%)	-103	460	236	94	334	126	-70	-59	11	-437	-289	182
Dry Water Years (24%)	51	24	597	164	172	25	-25	-204	-316	-317	52	22
Critical Water Years (16%)	241	626	31	8	-90	341	1,184	67	-247	423	-247	-261

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-3a. Sacramento River Flow at Hamilton City, NAA, 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

Table F.2.2-6-3b. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,720	10,708	33,907	43,467	55,995	32,645	18,238	10,900	9,775	12,402	10,176	8,914
20% Exceedance	7,660	8,700	24,976	31,659	37,439	24,534	14,125	8,645	9,070	12,114	8,778	8,167
30% Exceedance	7,141	8,071	15,041	20,246	22,718	18,496	11,045	7,470	8,250	11,569	8,116	7,473
40% Exceedance	6,432	7,514	11,443	15,912	17,741	12,395	9,309	7,007	7,845	10,994	7,439	6,141
50% Exceedance	5,751	7,056	8,546	11,296	14,688	11,163	8,557	6,742	7,229	10,029	7,145	5,573
60% Exceedance	5,357	6,614	7,206	8,721	10,636	9,868	7,928	6,463	6,626	9,078	6,914	5,061
70% Exceedance	4,847	6,013	6,602	7,403	9,168	8,672	7,168	6,064	6,355	8,467	6,501	4,686
80% Exceedance	4,699	5,584	5,493	6,672	8,021	7,347	6,363	5,596	6,152	7,909	5,949	4,556
90% Exceedance	4,528	4,980	4,850	5,772	6,479	6,134	5,566	4,928	5,575	7,329	5,553	4,433
Full Simulation Period Average[a]	6,366	7,963	14,831	19,028	23,715	16,989	11,053	7,684	7,565	9,936	7,435	6,255
Wet Water Years (28%)	7,760	9,243	15,900	36,536	43,676	29,716	17,743	8,816	7,506	10,303	7,975	8,404
Above Normal Water Years (14%)	7,296	9,470	13,239	24,113	31,973	21,015	11,258	8,185	7,380	11,716	8,318	7,926
Below Normal Water Years (18%)	6,171	7,599	17,298	13,345	13,065	11,566	9,231	8,793	7,624	10,294	8,018	5,323
Dry Water Years (24%)	5,483	7,276	16,608	7,985	13,673	10,347	7,786	6,418	7,939	9,314	6,823	4,789
Critical Water Years (16%)	4,478	5,601	8,621	6,900	8,601	7,256	6,118	5,916	7,202	8,263	5,980	4,281

Table F.2.2-6-3c. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	41	425	-24	369	6	9	462	170	-669	-214	-232	213
20% Exceedance	-180	532	299	262	1,556	-4	40	469	-490	-195	-333	47
30% Exceedance	170	295	-20	130	217	-254	471	-97	-472	-351	0	-71
40% Exceedance	-65	196	6	1,382	1,091	25	455	6	-367	-33	-217	-118
50% Exceedance	193	276	-11	54	39	69	416	234	-424	-339	78	49
60% Exceedance	21	205	49	128	203	37	442	237	-296	-575	87	175
70% Exceedance	-35	72	348	100	-65	-55	619	165	-3	-312	-108	-48
80% Exceedance	18	169	192	163	-52	35	671	-17	29	134	-58	-10
90% Exceedance	93	129	220	13	162	440	759	-364	-198	238	-155	-7
Full Simulation Period Average[a]	101	325	275	160	233	50	464	70	-358	-217	-113	2
Wet Water Years (28%)	-14	183	56	375	208	-9	93	79	-87	-219	-40	-82
Above Normal Water Years (14%)	274	264	117	142	54	-250	701	331	-608	-301	-259	150
Below Normal Water Years (18%)	85	434	275	90	418	124	658	229	-466	-459	-357	276
Dry Water Years (24%)	59	281	792	149	401	41	18	-349	-489	-405	96	-19
Critical Water Years (16%)	230	590	11	-104	-23	345	1,358	276	-294	417	-153	-254

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-4a. Sacramento River Flow at Hamilton City, NAA, 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

Table F.2.2-6-4b. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,896	10,281	33,928	43,630	55,993	33,203	17,772	10,585	10,135	12,451	10,092	8,836
20% Exceedance	7,815	8,413	25,034	31,672	36,805	24,534	14,058	8,440	9,303	12,106	8,857	8,153
30% Exceedance	7,078	7,993	15,215	20,248	22,479	18,618	10,650	7,422	8,545	11,600	7,990	7,603
40% Exceedance	6,206	7,351	11,439	15,914	17,740	12,396	8,926	6,816	7,912	10,694	7,361	6,199
50% Exceedance	5,579	6,879	8,621	11,372	14,690	11,163	8,261	6,533	7,426	9,876	7,102	5,725
60% Exceedance	5,325	6,540	6,997	9,069	10,682	9,859	7,801	6,167	6,864	8,679	6,863	5,286
70% Exceedance	4,941	6,150	6,494	7,716	9,167	8,765	6,848	5,822	6,374	8,032	6,504	4,765
80% Exceedance	4,718	5,667	5,480	6,844	7,663	7,347	5,792	5,541	6,130	7,560	6,010	4,566
90% Exceedance	4,549	4,988	4,932	5,830	6,325	5,864	4,867	5,028	5,639	6,633	5,641	4,454
Full Simulation Period Average[a]	6,368	7,875	14,769	19,205	23,634	16,967	10,665	7,553	7,751	9,729	7,431	6,325
Wet Water Years (28%)	7,795	9,141	15,952	36,642	43,640	29,722	17,653	8,798	7,552	10,288	7,923	8,372
Above Normal Water Years (14%)	7,352	9,234	13,212	24,281	31,970	21,361	10,565	7,840	7,975	11,660	8,393	7,899
Below Normal Water Years (18%)	5,933	7,612	17,170	13,389	12,948	11,577	8,670	8,611	8,106	10,368	8,206	5,349
Dry Water Years (24%)	5,474	7,058	16,371	8,130	13,587	10,394	7,836	6,556	8,114	9,193	6,778	4,903
Critical Water Years (16%)	4,671	5,775	8,675	7,403	8,422	6,721	5,015	5,427	6,960	7,150	5,839	4,598

Table F.2.2-6-4c. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	217	-3	-3	532	4	567	-4	-144	-308	-164	-316	135
20% Exceedance	-24	244	358	274	922	-4	-28	264	-258	-203	-253	33
30% Exceedance	107	218	154	132	-22	-131	76	-145	-177	-319	-126	59
40% Exceedance	-292	32	1	1,384	1,090	25	73	-185	-300	-334	-295	-60
50% Exceedance	21	100	63	131	41	68	121	24	-227	-492	35	202
60% Exceedance	-10	131	-159	476	250	28	316	-59	-59	-974	36	401
70% Exceedance	59	208	239	412	-66	38	300	-77	16	-747	-105	30
80% Exceedance	37	252	179	336	-410	36	101	-72	7	-215	3	0
90% Exceedance	114	136	301	70	8	170	60	-264	-134	-459	-68	15
Full Simulation Period Average[a]	104	237	213	337	153	28	76	-61	-172	-423	-117	72
Wet Water Years (28%)	21	81	108	481	172	-3	3	61	-41	-234	-92	-114
Above Normal Water Years (14%)	331	28	90	310	52	96	8	-13	-13	-358	-184	124
Below Normal Water Years (18%)	-152	447	148	134	301	135	97	47	16	-385	-169	302
Dry Water Years (24%)	50	62	555	295	315	88	68	-210	-315	-527	51	95
Critical Water Years (16%)	423	764	65	399	-201	-190	255	-213	-536	-696	-294	62

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-5a. Sacramento River Flow at Hamilton City, NAA, 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

Table F.2.2-6-5b. Sacramento River Flow at Hamilton City, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,029	7,862	46,750	46,300	57,649	37,855	19,772	10,221	6,792	6,683	5,846	4,943
20% Exceedance	4,788	6,441	37,760	31,697	37,741	24,919	13,550	7,369	6,347	6,510	5,721	4,838
30% Exceedance	4,702	5,556	25,320	21,492	24,647	19,004	10,379	6,095	6,086	6,346	5,639	4,785
40% Exceedance	4,600	5,171	21,822	17,121	18,613	14,728	8,062	5,826	5,882	6,288	5,568	4,715
50% Exceedance	4,518	4,929	18,182	11,642	14,919	11,190	6,213	5,631	5,778	6,222	5,514	4,637
60% Exceedance	4,477	4,767	13,674	8,672	9,826	9,548	5,730	5,464	5,677	6,106	5,430	4,585
70% Exceedance	4,406	4,647	8,987	7,366	8,981	7,764	5,069	5,263	5,539	6,010	5,288	4,519
80% Exceedance	4,263	4,479	5,702	6,429	7,044	6,538	4,829	5,105	5,391	5,854	5,085	4,425
90% Exceedance	4,204	4,304	4,434	5,448	5,999	5,619	4,437	4,894	5,046	5,564	4,829	4,183
Full Simulation Period Average[a]	4,672	6,067	21,965	19,568	24,068	17,269	10,062	6,914	5,996	6,163	5,428	4,617
Wet Water Years (28%)	4,500	6,716	28,159	37,367	44,090	29,558	17,761	8,171	6,044	5,857	5,315	4,506
Above Normal Water Years (14%)	4,489	6,376	23,450	25,348	33,451	22,082	10,186	6,928	5,976	6,112	5,279	4,623
Below Normal Water Years (18%)	4,732	5,949	23,448	14,164	13,273	11,839	7,522	7,447	5,978	6,247	5,564	4,715
Dry Water Years (24%)	4,935	5,855	21,021	7,935	14,217	11,286	6,555	5,905	5,977	6,231	5,463	4,589
Critical Water Years (16%)	4,682	5,024	8,651	6,891	7,742	6,631	4,598	5,620	5,980	6,547	5,547	4,738

Table F.2.2-6-5c. Sacramento River Flow at Hamilton City, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3,650	-2,421	12,820	3,201	1,660	5,220	1,996	-509	-3,651	-5,933	-4,562	-3,758
20% Exceedance	-3,052	-1,728	13,083	300	1,858	381	-536	-808	-3,213	-5,799	-3,390	-3,282
30% Exceedance	-2,270	-2,220	10,259	1,376	2,146	255	-195	-1,472	-2,636	-5,573	-2,477	-2,759
40% Exceedance	-1,897	-2,147	10,384	2,591	1,963	2,358	-792	-1,175	-2,330	-4,739	-2,088	-1,545
50% Exceedance	-1,040	-1,850	9,624	401	270	96	-1,928	-878	-1,875	-4,146	-1,552	-886
60% Exceedance	-859	-1,642	6,517	79	-607	-283	-1,755	-762	-1,245	-3,548	-1,397	-301
70% Exceedance	-477	-1,294	2,732	63	-252	-962	-1,480	-636	-819	-2,769	-1,321	-215
80% Exceedance	-418	-936	401	-80	-1,029	-773	-863	-508	-732	-1,921	-921	-141
90% Exceedance	-231	-547	-197	-312	-318	-75	-370	-398	-727	-1,528	-880	-257
Full Simulation Period Average[a]	-1,592	-1,571	7,409	700	587	330	-527	-699	-1,926	-3,989	-2,121	-1,636
Wet Water Years (28%)	-3,273	-2,344	12,316	1,207	623	-167	111	-566	-1,549	-4,665	-2,700	-3,980
Above Normal Water Years (14%)	-2,532	-2,830	10,328	1,377	1,532	818	-371	-926	-2,011	-5,905	-3,298	-3,153
Below Normal Water Years (18%)	-1,354	-1,215	6,426	909	625	397	-1,051	-1,117	-2,112	-4,506	-2,811	-332
Dry Water Years (24%)	-489	-1,141	5,204	100	945	980	-1,213	-862	-2,451	-3,489	-1,263	-218
Critical Water Years (16%)	434	13	41	-112	-882	-280	-162	-20	-1,516	-1,299	-586	202

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-6a. Sacramento River Flow at Hamilton City, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,249	13,910	40,858	48,304	55,511	41,507	30,842	14,220	6,416	3,312	2,874	4,252
20% Exceedance	5,363	9,974	30,523	36,160	39,865	31,098	23,345	10,858	4,621	3,005	2,695	3,800
30% Exceedance	4,812	7,989	20,346	28,179	32,049	25,393	19,509	8,477	3,560	2,845	2,579	3,554
40% Exceedance	4,287	6,164	16,016	22,662	27,353	21,521	14,659	6,353	3,191	2,685	2,452	3,182
50% Exceedance	3,941	5,456	12,229	17,772	21,019	18,559	11,548	5,381	2,929	2,538	2,310	2,879
60% Exceedance	3,574	4,881	9,042	13,311	16,229	16,094	9,892	4,600	2,791	2,302	2,145	1,785
70% Exceedance	3,112	4,162	7,255	9,550	14,900	13,965	8,502	3,750	2,581	2,075	1,951	1,528
80% Exceedance	2,709	3,874	5,544	8,734	10,053	11,488	7,723	3,269	2,234	1,915	1,795	1,403
90% Exceedance	2,080	3,199	4,725	6,561	8,058	7,670	6,194	2,672	1,887	1,690	1,608	1,334
Full Simulation Period Average[a]	4,328	7,473	17,807	23,212	27,492	22,548	15,581	7,338	3,682	2,505	2,288	2,691
Wet Water Years (28%)	4,772	8,588	17,442	40,438	44,886	34,358	25,830	11,642	5,439	2,753	2,742	3,924
Above Normal Water Years (14%)	4,635	8,015	17,875	31,196	36,178	27,997	17,670	8,069	3,875	2,187	2,479	3,277
Below Normal Water Years (18%)	4,249	7,630	20,835	19,016	18,242	18,407	13,396	6,322	3,149	2,606	2,332	2,588
Dry Water Years (24%)	4,903	7,606	19,201	11,227	19,913	16,980	10,452	5,029	2,791	2,472	2,022	1,678
Critical Water Years (16%)	2,369	4,449	12,555	8,778	11,228	10,124	5,969	3,770	2,377	2,288	1,674	1,655

Table F.2.2-6-6b. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,895	10,282	33,926	43,486	55,992	32,633	17,772	10,578	10,136	12,464	10,101	8,888
20% Exceedance	7,815	8,389	24,961	31,409	36,786	24,051	14,058	8,439	9,303	12,099	8,861	8,156
30% Exceedance	7,084	8,060	15,046	20,244	22,482	18,604	10,657	7,526	8,717	11,601	7,996	7,596
40% Exceedance	6,211	7,393	11,445	15,912	17,740	12,395	8,925	7,021	7,916	10,895	7,396	6,135
50% Exceedance	5,573	6,993	8,620	11,376	14,688	11,162	8,261	6,583	7,646	10,008	7,082	5,618
60% Exceedance	5,326	6,516	6,986	8,915	10,685	9,858	7,800	6,192	6,911	8,964	6,789	5,164
70% Exceedance	4,820	6,151	6,489	7,582	9,167	8,790	6,886	5,837	6,489	8,309	6,551	4,724
80% Exceedance	4,741	5,719	5,652	6,844	7,770	7,347	6,285	5,502	6,179	7,845	6,062	4,556
90% Exceedance	4,529	4,989	4,930	5,796	6,479	6,140	5,531	5,039	5,708	7,238	5,588	4,420
Full Simulation Period Average[a]	6,320	7,870	14,766	19,104	23,644	16,947	10,787	7,574	7,795	9,900	7,420	6,273
Wet Water Years (28%)	7,793	9,149	15,946	36,541	43,637	29,720	17,651	8,799	7,554	10,297	7,926	8,377
Above Normal Water Years (14%)	7,348	9,232	13,208	23,980	31,878	20,613	10,561	7,841	7,975	11,660	8,347	7,905
Below Normal Water Years (18%)	5,907	7,613	17,156	13,383	12,944	11,573	8,685	8,500	8,101	10,302	8,089	5,253
Dry Water Years (24%)	5,471	7,056	16,366	8,142	13,466	10,402	7,815	6,549	8,129	9,243	6,774	4,903
Critical Water Years (16%)	4,397	5,731	8,697	7,202	8,757	7,251	5,792	5,691	7,211	8,199	5,943	4,368

Table F.2.2-6-6c. Sacramento River Flow at Hamilton City, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,647	-3,628	-6,931	-4,818	482	-8,875	-13,070	-3,642	3,720	9,152	7,227	4,636
20% Exceedance	2,452	-1,584	-5,562	-4,751	-3,079	-7,046	-9,288	-2,419	4,681	9,094	6,166	4,356
30% Exceedance	2,271	71	-5,301	-7,935	-9,567	-6,789	-8,852	-952	5,158	8,756	5,417	4,042
40% Exceedance	1,924	1,228	-4,571	-6,750	-9,613	-9,126	-5,734	668	4,725	8,210	4,944	2,953
50% Exceedance	1,632	1,537	-3,609	-6,396	-6,332	-7,396	-3,287	1,202	4,717	7,470	4,771	2,739
60% Exceedance	1,752	1,635	-2,057	-4,396	-5,544	-6,237	-2,091	1,592	4,120	6,662	4,645	3,379
70% Exceedance	1,708	1,989	-766	-1,968	-5,733	-5,175	-1,616	2,087	3,908	6,233	4,600	3,196
80% Exceedance	2,032	1,845	108	-1,890	-2,283	-4,142	-1,439	2,233	3,945	5,930	4,267	3,153
90% Exceedance	2,449	1,790	205	-765	-1,579	-1,529	-662	2,367	3,821	5,547	3,979	3,087
Full Simulation Period Average[a]	1,992	397	-3,040	-4,108	-3,848	-5,601	-4,794	236	4,112	7,395	5,133	3,583
Wet Water Years (28%)	3,021	561	-1,496	-3,898	-1,249	-4,639	-8,179	-2,844	2,115	7,544	5,184	4,453
Above Normal Water Years (14%)	2,714	1,217	-4,667	-7,215	-4,300	-7,384	-7,110	-228	4,100	9,474	5,868	4,628
Below Normal Water Years (18%)	1,658	-17	-3,679	-5,633	-5,298	-6,834	-4,711	2,178	4,952	7,696	5,757	2,665
Dry Water Years (24%)	568	-550	-2,836	-3,085	-6,448	-6,577	-2,636	1,520	5,338	6,771	4,752	3,225
Critical Water Years (16%)	2,028	1,282	-3,858	-1,576	-2,470	-2,872	-177	1,921	4,834	5,911	4,269	2,712

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-7a. Sacramento River Flow at Hamilton City, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,249	13,910	40,858	48,304	55,511	41,507	30,842	14,220	6,416	3,312	2,874	4,252
20% Exceedance	5,363	9,974	30,523	36,160	39,865	31,098	23,345	10,858	4,621	3,005	2,695	3,800
30% Exceedance	4,812	7,989	20,346	28,179	32,049	25,393	19,509	8,477	3,560	2,845	2,579	3,554
40% Exceedance	4,287	6,164	16,016	22,662	27,353	21,521	14,659	6,353	3,191	2,685	2,452	3,182
50% Exceedance	3,941	5,456	12,229	17,772	21,019	18,559	11,548	5,381	2,929	2,538	2,310	2,879
60% Exceedance	3,574	4,881	9,042	13,311	16,229	16,094	9,892	4,600	2,791	2,302	2,145	1,785
70% Exceedance	3,112	4,162	7,255	9,550	14,900	13,965	8,502	3,750	2,581	2,075	1,951	1,528
80% Exceedance	2,709	3,874	5,544	8,734	10,053	11,488	7,723	3,269	2,234	1,915	1,795	1,403
90% Exceedance	2,080	3,199	4,725	6,561	8,058	7,670	6,194	2,672	1,887	1,690	1,608	1,334
Full Simulation Period Average[a]	4,328	7,473	17,807	23,212	27,492	22,548	15,581	7,338	3,682	2,505	2,288	2,691
Wet Water Years (28%)	4,772	8,588	17,442	40,438	44,886	34,358	25,830	11,642	5,439	2,753	2,742	3,924
Above Normal Water Years (14%)	4,635	8,015	17,875	31,196	36,178	27,997	17,670	8,069	3,875	2,187	2,479	3,277
Below Normal Water Years (18%)	4,249	7,630	20,835	19,016	18,242	18,407	13,396	6,322	3,149	2,606	2,332	2,588
Dry Water Years (24%)	4,903	7,606	19,201	11,227	19,913	16,980	10,452	5,029	2,791	2,472	2,022	1,678
Critical Water Years (16%)	2,369	4,449	12,555	8,778	11,228	10,124	5,969	3,770	2,377	2,288	1,674	1,655

Table F.2.2-6-7b. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,858	10,300	33,924	43,510	55,993	32,640	17,772	10,849	10,189	12,385	10,246	8,906
20% Exceedance	7,746	8,621	24,930	31,600	37,038	24,534	14,059	8,730	9,248	12,109	8,741	8,206
30% Exceedance	7,140	8,034	15,048	20,240	22,480	18,514	10,484	7,435	8,677	11,680	8,068	7,372
40% Exceedance	6,267	7,513	11,444	15,912	17,741	12,395	8,826	6,847	7,937	10,981	7,387	6,046
50% Exceedance	5,698	7,013	8,538	11,333	14,691	11,163	8,350	6,494	7,618	10,246	7,123	5,567
60% Exceedance	5,313	6,553	7,201	8,761	10,687	9,859	7,552	6,227	6,921	9,135	6,955	4,980
70% Exceedance	4,843	6,015	6,584	7,411	9,168	8,660	7,002	5,894	6,505	8,503	6,521	4,667
80% Exceedance	4,746	5,784	5,478	6,726	7,742	7,346	6,274	5,542	6,203	7,904	5,947	4,552
90% Exceedance	4,528	4,991	5,193	5,796	6,324	6,137	5,499	5,049	5,705	7,102	5,542	4,436
Full Simulation Period Average[a]	6,357	7,898	14,770	19,033	23,614	16,975	10,759	7,579	7,785	9,958	7,433	6,240
Wet Water Years (28%)	7,793	9,235	15,889	36,514	43,650	29,710	17,651	8,781	7,564	10,292	7,972	8,381
Above Normal Water Years (14%)	7,404	9,398	13,193	24,029	31,878	20,957	10,550	7,869	7,876	11,710	8,406	7,922
Below Normal Water Years (18%)	5,983	7,624	17,258	13,349	12,982	11,568	8,503	8,505	8,101	10,316	8,086	5,229
Dry Water Years (24%)	5,474	7,019	16,413	8,000	13,445	10,331	7,743	6,562	8,112	9,402	6,778	4,830
Critical Water Years (16%)	4,489	5,636	8,641	7,011	8,534	7,252	5,944	5,707	7,248	8,270	5,886	4,275

Table F.2.2-6-7c. Sacramento River Flow at Hamilton City, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,610	-3,610	-6,934	-4,793	483	-8,867	-13,070	-3,372	3,773	9,073	7,372	4,654
20% Exceedance	2,383	-1,353	-5,593	-4,560	-2,827	-6,564	-9,286	-2,128	4,626	9,104	6,046	4,405
30% Exceedance	2,328	44	-5,298	-7,939	-9,570	-6,878	-9,025	-1,043	5,117	8,836	5,489	3,818
40% Exceedance	1,979	1,348	-4,572	-6,750	-9,612	-9,126	-5,833	494	4,746	8,296	4,935	2,864
50% Exceedance	1,757	1,558	-3,692	-6,439	-6,329	-7,395	-3,198	1,114	4,689	7,709	4,812	2,688
60% Exceedance	1,739	1,673	-1,842	-4,550	-5,543	-6,236	-2,340	1,627	4,130	6,833	4,811	3,195
70% Exceedance	1,731	1,852	-671	-2,139	-5,732	-5,305	-1,500	2,145	3,924	6,428	4,570	3,139
80% Exceedance	2,038	1,910	-66	-2,008	-2,311	-4,142	-1,450	2,273	3,969	5,990	4,152	3,149
90% Exceedance	2,448	1,792	468	-765	-1,734	-1,532	-694	2,377	3,818	5,412	3,934	3,102
Full Simulation Period Average[a]	2,029	425	-3,037	-4,179	-3,879	-5,573	-4,822	242	4,103	7,452	5,146	3,549
Wet Water Years (28%)	3,021	647	-1,553	-3,925	-1,236	-4,648	-8,178	-2,861	2,125	7,539	5,230	4,457
Above Normal Water Years (14%)	2,769	1,383	-4,681	-7,166	-4,301	-7,040	-7,121	-200	4,001	9,523	5,927	4,645
Below Normal Water Years (18%)	1,734	-6	-3,577	-5,666	-5,260	-6,839	-4,893	2,183	4,952	7,710	5,754	2,642
Dry Water Years (24%)	572	-587	-2,788	-3,227	-6,469	-6,649	-2,709	1,533	5,321	6,931	4,757	3,152
Critical Water Years (16%)	2,120	1,187	-3,914	-1,767	-2,694	-2,872	-25	1,937	4,871	5,982	4,213	2,619

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-8a. Sacramento River Flow at Hamilton City, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,249	13,910	40,858	48,304	55,511	41,507	30,842	14,220	6,416	3,312	2,874	4,252
20% Exceedance	5,363	9,974	30,523	36,160	39,865	31,098	23,345	10,858	4,621	3,005	2,695	3,800
30% Exceedance	4,812	7,989	20,346	28,179	32,049	25,393	19,509	8,477	3,560	2,845	2,579	3,554
40% Exceedance	4,287	6,164	16,016	22,662	27,353	21,521	14,659	6,353	3,191	2,685	2,452	3,182
50% Exceedance	3,941	5,456	12,229	17,772	21,019	18,559	11,548	5,381	2,929	2,538	2,310	2,879
60% Exceedance	3,574	4,881	9,042	13,311	16,229	16,094	9,892	4,600	2,791	2,302	2,145	1,785
70% Exceedance	3,112	4,162	7,255	9,550	14,900	13,965	8,502	3,750	2,581	2,075	1,951	1,528
80% Exceedance	2,709	3,874	5,544	8,734	10,053	11,488	7,723	3,269	2,234	1,915	1,795	1,403
90% Exceedance	2,080	3,199	4,725	6,561	8,058	7,670	6,194	2,672	1,887	1,690	1,608	1,334
Full Simulation Period Average[a]	4,328	7,473	17,807	23,212	27,492	22,548	15,581	7,338	3,682	2,505	2,288	2,691
Wet Water Years (28%)	4,772	8,588	17,442	40,438	44,886	34,358	25,830	11,642	5,439	2,753	2,742	3,924
Above Normal Water Years (14%)	4,635	8,015	17,875	31,196	36,178	27,997	17,670	8,069	3,875	2,187	2,479	3,277
Below Normal Water Years (18%)	4,249	7,630	20,835	19,016	18,242	18,407	13,396	6,322	3,149	2,606	2,332	2,588
Dry Water Years (24%)	4,903	7,606	19,201	11,227	19,913	16,980	10,452	5,029	2,791	2,472	2,022	1,678
Critical Water Years (16%)	2,369	4,449	12,555	8,778	11,228	10,124	5,969	3,770	2,377	2,288	1,674	1,655

Table F.2.2-6-8b. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,720	10,708	33,907	43,467	55,995	32,645	18,238	10,900	9,775	12,402	10,176	8,914
20% Exceedance	7,660	8,700	24,976	31,659	37,439	24,534	14,125	8,645	9,070	12,114	8,778	8,167
30% Exceedance	7,141	8,071	15,041	20,246	22,718	18,496	11,045	7,470	8,250	11,569	8,116	7,473
40% Exceedance	6,432	7,514	11,443	15,912	17,741	12,395	9,309	7,007	7,845	10,994	7,439	6,141
50% Exceedance	5,751	7,056	8,546	11,296	14,688	11,163	8,557	6,742	7,229	10,029	7,145	5,573
60% Exceedance	5,357	6,614	7,206	8,721	10,636	9,868	7,928	6,463	6,626	9,078	6,914	5,061
70% Exceedance	4,847	6,013	6,602	7,403	9,168	8,672	7,168	6,064	6,355	8,467	6,501	4,686
80% Exceedance	4,699	5,584	5,493	6,672	8,021	7,347	6,363	5,596	6,152	7,909	5,949	4,556
90% Exceedance	4,528	4,980	4,850	5,772	6,479	6,134	5,566	4,928	5,575	7,329	5,553	4,433
Full Simulation Period Average[a]	6,366	7,963	14,831	19,028	23,715	16,989	11,053	7,684	7,565	9,936	7,435	6,255
Wet Water Years (28%)	7,760	9,243	15,900	36,536	43,676	29,716	17,743	8,816	7,506	10,303	7,975	8,404
Above Normal Water Years (14%)	7,296	9,470	13,239	24,113	31,973	21,015	11,258	8,185	7,380	11,716	8,318	7,926
Below Normal Water Years (18%)	6,171	7,599	17,298	13,345	13,065	11,566	9,231	8,793	7,624	10,294	8,018	5,323
Dry Water Years (24%)	5,483	7,276	16,608	7,985	13,673	10,347	7,786	6,418	7,939	9,314	6,823	4,789
Critical Water Years (16%)	4,478	5,601	8,621	6,900	8,601	7,256	6,118	5,916	7,202	8,263	5,980	4,281

Table F.2.2-6-8c. Sacramento River Flow at Hamilton City, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,471	-3,202	-6,951	-4,836	484	-8,863	-12,604	-3,321	3,358	9,090	7,301	4,662
20% Exceedance	2,297	-1,273	-5,547	-4,501	-2,426	-6,564	-9,220	-2,213	4,449	9,109	6,083	4,367
30% Exceedance	2,329	81	-5,305	-7,934	-9,331	-6,897	-8,464	-1,007	4,690	8,724	5,537	3,919
40% Exceedance	2,145	1,350	-4,573	-6,750	-9,612	-9,126	-5,350	654	4,654	8,309	4,987	2,959
50% Exceedance	1,810	1,600	-3,683	-6,477	-6,331	-7,395	-2,991	1,362	4,300	7,491	4,834	2,694
60% Exceedance	1,783	1,734	-1,836	-4,590	-5,593	-6,227	-1,964	1,863	3,835	6,777	4,770	3,276
70% Exceedance	1,736	1,851	-653	-2,147	-5,732	-5,293	-1,334	2,314	3,774	6,392	4,550	3,158
80% Exceedance	1,990	1,709	-52	-2,062	-2,032	-4,142	-1,361	2,327	3,919	5,995	4,154	3,153
90% Exceedance	2,448	1,781	125	-788	-1,579	-1,535	-627	2,255	3,688	5,639	3,945	3,099
Full Simulation Period Average[a]	2,037	489	-2,976	-4,184	-3,778	-5,559	-4,528	346	3,882	7,430	5,147	3,564
Wet Water Years (28%)	2,988	655	-1,542	-3,903	-1,211	-4,642	-8,086	-2,826	2,066	7,550	5,232	4,480
Above Normal Water Years (14%)	2,661	1,454	-4,635	-7,083	-4,206	-6,983	-6,412	116	3,504	9,530	5,839	4,648
Below Normal Water Years (18%)	1,922	-31	-3,537	-5,671	-5,177	-6,842	-4,165	2,471	4,476	7,688	5,686	2,736
Dry Water Years (24%)	580	-330	-2,593	-3,242	-6,240	-6,633	-2,666	1,389	5,148	6,843	4,801	3,111
Critical Water Years (16%)	2,109	1,151	-3,933	-1,879	-2,627	-2,868	149	2,145	4,825	5,975	4,306	2,626

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-9a. Sacramento River Flow at Hamilton City, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,249	13,910	40,858	48,304	55,511	41,507	30,842	14,220	6,416	3,312	2,874	4,252
20% Exceedance	5,363	9,974	30,523	36,160	39,865	31,098	23,345	10,858	4,621	3,005	2,695	3,800
30% Exceedance	4,812	7,989	20,346	28,179	32,049	25,393	19,509	8,477	3,560	2,845	2,579	3,554
40% Exceedance	4,287	6,164	16,016	22,662	27,353	21,521	14,659	6,353	3,191	2,685	2,452	3,182
50% Exceedance	3,941	5,456	12,229	17,772	21,019	18,559	11,548	5,381	2,929	2,538	2,310	2,879
60% Exceedance	3,574	4,881	9,042	13,311	16,229	16,094	9,892	4,600	2,791	2,302	2,145	1,785
70% Exceedance	3,112	4,162	7,255	9,550	14,900	13,965	8,502	3,750	2,581	2,075	1,951	1,528
80% Exceedance	2,709	3,874	5,544	8,734	10,053	11,488	7,723	3,269	2,234	1,915	1,795	1,403
90% Exceedance	2,080	3,199	4,725	6,561	8,058	7,670	6,194	2,672	1,887	1,690	1,608	1,334
Full Simulation Period Average[a]	4,328	7,473	17,807	23,212	27,492	22,548	15,581	7,338	3,682	2,505	2,288	2,691
Wet Water Years (28%)	4,772	8,588	17,442	40,438	44,886	34,358	25,830	11,642	5,439	2,753	2,742	3,924
Above Normal Water Years (14%)	4,635	8,015	17,875	31,196	36,178	27,997	17,670	8,069	3,875	2,187	2,479	3,277
Below Normal Water Years (18%)	4,249	7,630	20,835	19,016	18,242	18,407	13,396	6,322	3,149	2,606	2,332	2,588
Dry Water Years (24%)	4,903	7,606	19,201	11,227	19,913	16,980	10,452	5,029	2,791	2,472	2,022	1,678
Critical Water Years (16%)	2,369	4,449	12,555	8,778	11,228	10,124	5,969	3,770	2,377	2,288	1,674	1,655

Table F.2.2-6-9b. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,896	10,281	33,928	43,630	55,993	33,203	17,772	10,585	10,135	12,451	10,092	8,836
20% Exceedance	7,815	8,413	25,034	31,672	36,805	24,534	14,058	8,440	9,303	12,106	8,857	8,153
30% Exceedance	7,078	7,993	15,215	20,248	22,479	18,618	10,650	7,422	8,545	11,600	7,990	7,603
40% Exceedance	6,206	7,351	11,439	15,914	17,740	12,396	8,926	6,816	7,912	10,694	7,361	6,199
50% Exceedance	5,579	6,879	8,621	11,372	14,690	11,163	8,261	6,533	7,426	9,876	7,102	5,725
60% Exceedance	5,325	6,540	6,997	9,069	10,682	9,859	7,801	6,167	6,864	8,679	6,863	5,286
70% Exceedance	4,941	6,150	6,494	7,716	9,167	8,765	6,848	5,822	6,374	8,032	6,504	4,765
80% Exceedance	4,718	5,667	5,480	6,844	7,663	7,347	5,792	5,541	6,130	7,560	6,010	4,566
90% Exceedance	4,549	4,988	4,932	5,830	6,325	5,864	4,867	5,028	5,639	6,633	5,641	4,454
Full Simulation Period Average[a]	6,368	7,875	14,769	19,205	23,634	16,967	10,665	7,553	7,751	9,729	7,431	6,325
Wet Water Years (28%)	7,795	9,141	15,952	36,642	43,640	29,722	17,653	8,798	7,552	10,288	7,923	8,372
Above Normal Water Years (14%)	7,352	9,234	13,212	24,281	31,970	21,361	10,565	7,840	7,975	11,660	8,393	7,899
Below Normal Water Years (18%)	5,933	7,612	17,170	13,389	12,948	11,577	8,670	8,611	8,106	10,368	8,206	5,349
Dry Water Years (24%)	5,474	7,058	16,371	8,130	13,587	10,394	7,836	6,556	8,114	9,193	6,778	4,903
Critical Water Years (16%)	4,671	5,775	8,675	7,403	8,422	6,721	5,015	5,427	6,960	7,150	5,839	4,598

Table F.2.2-6-9c. Sacramento River Flow at Hamilton City, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,647	-3,629	-6,930	-4,673	482	-8,304	-13,070	-3,635	3,719	9,140	7,218	4,584
20% Exceedance	2,453	-1,560	-5,489	-4,488	-3,060	-6,564	-9,287	-2,418	4,681	9,101	6,163	4,352
30% Exceedance	2,266	3	-5,131	-7,931	-9,570	-6,775	-8,859	-1,055	4,985	8,756	5,411	4,049
40% Exceedance	1,918	1,186	-4,578	-6,748	-9,612	-9,126	-5,732	463	4,721	8,009	4,908	3,017
50% Exceedance	1,638	1,424	-3,608	-6,400	-6,329	-7,396	-3,287	1,152	4,497	7,339	4,792	2,846
60% Exceedance	1,752	1,659	-2,045	-4,242	-5,547	-6,236	-2,091	1,567	4,072	6,378	4,719	3,501
70% Exceedance	1,829	1,987	-761	-1,834	-5,733	-5,200	-1,653	2,073	3,793	5,957	4,552	3,237
80% Exceedance	2,009	1,793	-65	-1,890	-2,390	-4,141	-1,931	2,271	3,896	5,645	4,215	3,163
90% Exceedance	2,469	1,789	206	-731	-1,733	-1,805	-1,326	2,356	3,752	4,943	4,032	3,120
Full Simulation Period Average[a]	2,040	402	-3,038	-4,007	-3,858	-5,582	-4,915	215	4,069	7,224	5,144	3,634
Wet Water Years (28%)	3,023	553	-1,491	-3,797	-1,246	-4,636	-8,177	-2,845	2,113	7,535	5,180	4,448
Above Normal Water Years (14%)	2,718	1,218	-4,662	-6,914	-4,209	-6,636	-7,106	-229	4,100	9,473	5,914	4,622
Below Normal Water Years (18%)	1,684	-19	-3,665	-5,627	-5,294	-6,830	-4,726	2,289	4,958	7,761	5,875	2,762
Dry Water Years (24%)	571	-549	-2,831	-3,097	-6,326	-6,585	-2,616	1,527	5,322	6,721	4,756	3,225
Critical Water Years (16%)	2,302	1,326	-3,880	-1,376	-2,805	-3,402	-954	1,657	4,583	4,862	4,165	2,943

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-6-10a. Sacramento River Flow at Hamilton City, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,249	13,910	40,858	48,304	55,511	41,507	30,842	14,220	6,416	3,312	2,874	4,252
20% Exceedance	5,363	9,974	30,523	36,160	39,865	31,098	23,345	10,858	4,621	3,005	2,695	3,800
30% Exceedance	4,812	7,989	20,346	28,179	32,049	25,393	19,509	8,477	3,560	2,845	2,579	3,554
40% Exceedance	4,287	6,164	16,016	22,662	27,353	21,521	14,659	6,353	3,191	2,685	2,452	3,182
50% Exceedance	3,941	5,456	12,229	17,772	21,019	18,559	11,548	5,381	2,929	2,538	2,310	2,879
60% Exceedance	3,574	4,881	9,042	13,311	16,229	16,094	9,892	4,600	2,791	2,302	2,145	1,785
70% Exceedance	3,112	4,162	7,255	9,550	14,900	13,965	8,502	3,750	2,581	2,075	1,951	1,528
80% Exceedance	2,709	3,874	5,544	8,734	10,053	11,488	7,723	3,269	2,234	1,915	1,795	1,403
90% Exceedance	2,080	3,199	4,725	6,561	8,058	7,670	6,194	2,672	1,887	1,690	1,608	1,334
Full Simulation Period Average[a]	4,328	7,473	17,807	23,212	27,492	22,548	15,581	7,338	3,682	2,505	2,288	2,691
Wet Water Years (28%)	4,772	8,588	17,442	40,438	44,886	34,358	25,830	11,642	5,439	2,753	2,742	3,924
Above Normal Water Years (14%)	4,635	8,015	17,875	31,196	36,178	27,997	17,670	8,069	3,875	2,187	2,479	3,277
Below Normal Water Years (18%)	4,249	7,630	20,835	19,016	18,242	18,407	13,396	6,322	3,149	2,606	2,332	2,588
Dry Water Years (24%)	4,903	7,606	19,201	11,227	19,913	16,980	10,452	5,029	2,791	2,472	2,022	1,678
Critical Water Years (16%)	2,369	4,449	12,555	8,778	11,228	10,124	5,969	3,770	2,377	2,288	1,674	1,655

Table F.2.2-6-10b. Sacramento River Flow at Hamilton City, NAA, 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

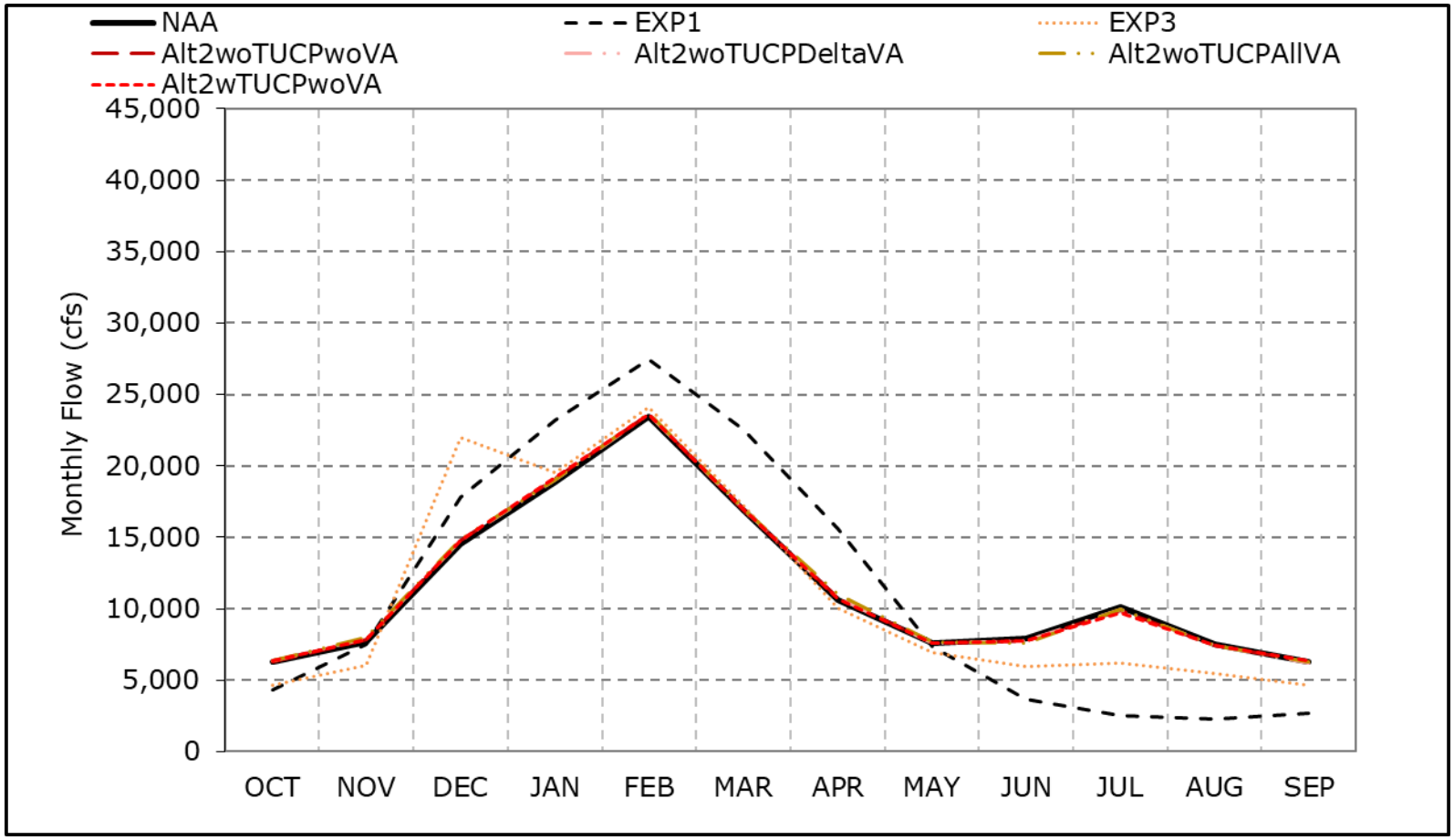
Table F.2.2-6-10c. Sacramento River Flow at Hamilton City, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,430	-3,626	-6,927	-5,205	479	-8,872	-13,066	-3,490	4,027	9,304	7,534	4,449
20% Exceedance	2,477	-1,805	-5,846	-4,763	-3,982	-6,560	-9,260	-2,682	4,939	9,304	6,416	4,320
30% Exceedance	2,159	-214	-5,285	-8,063	-9,548	-6,643	-8,935	-910	5,162	9,075	5,536	3,990
40% Exceedance	2,210	1,154	-4,578	-8,132	-10,703	-9,151	-5,805	648	5,021	8,342	5,204	3,078
50% Exceedance	1,617	1,323	-3,672	-6,531	-6,370	-7,464	-3,407	1,128	4,725	7,830	4,756	2,644
60% Exceedance	1,762	1,529	-1,886	-4,719	-5,797	-6,264	-2,406	1,626	4,131	7,352	4,683	3,101
70% Exceedance	1,770	1,779	-1,000	-2,246	-5,667	-5,238	-1,953	2,149	3,777	6,704	4,658	3,206
80% Exceedance	1,972	1,541	-244	-2,225	-1,980	-4,177	-2,032	2,344	3,889	5,860	4,212	3,163
90% Exceedance	2,355	1,653	-95	-801	-1,741	-1,975	-1,386	2,620	3,886	5,401	4,100	3,106
Full Simulation Period Average[a]	1,936	165	-3,251	-4,344	-4,011	-5,609	-4,992	276	4,240	7,647	5,261	3,562
Wet Water Years (28%)	3,002	472	-1,598	-4,278	-1,418	-4,633	-8,180	-2,905	2,154	7,769	5,273	4,562
Above Normal Water Years (14%)	2,387	1,190	-4,753	-7,224	-4,260	-6,732	-7,113	-215	4,112	9,831	6,098	4,498
Below Normal Water Years (18%)	1,837	-466	-3,812	-5,761	-5,595	-6,965	-4,823	2,242	4,941	8,147	6,044	2,460
Dry Water Years (24%)	521	-611	-3,385	-3,391	-6,641	-6,673	-2,683	1,738	5,637	7,248	4,705	3,130
Critical Water Years (16%)	1,879	562	-3,944	-1,775	-2,604	-3,213	-1,209	1,870	5,119	5,559	4,459	2,880

[a] Based on the 100-year simulation period.

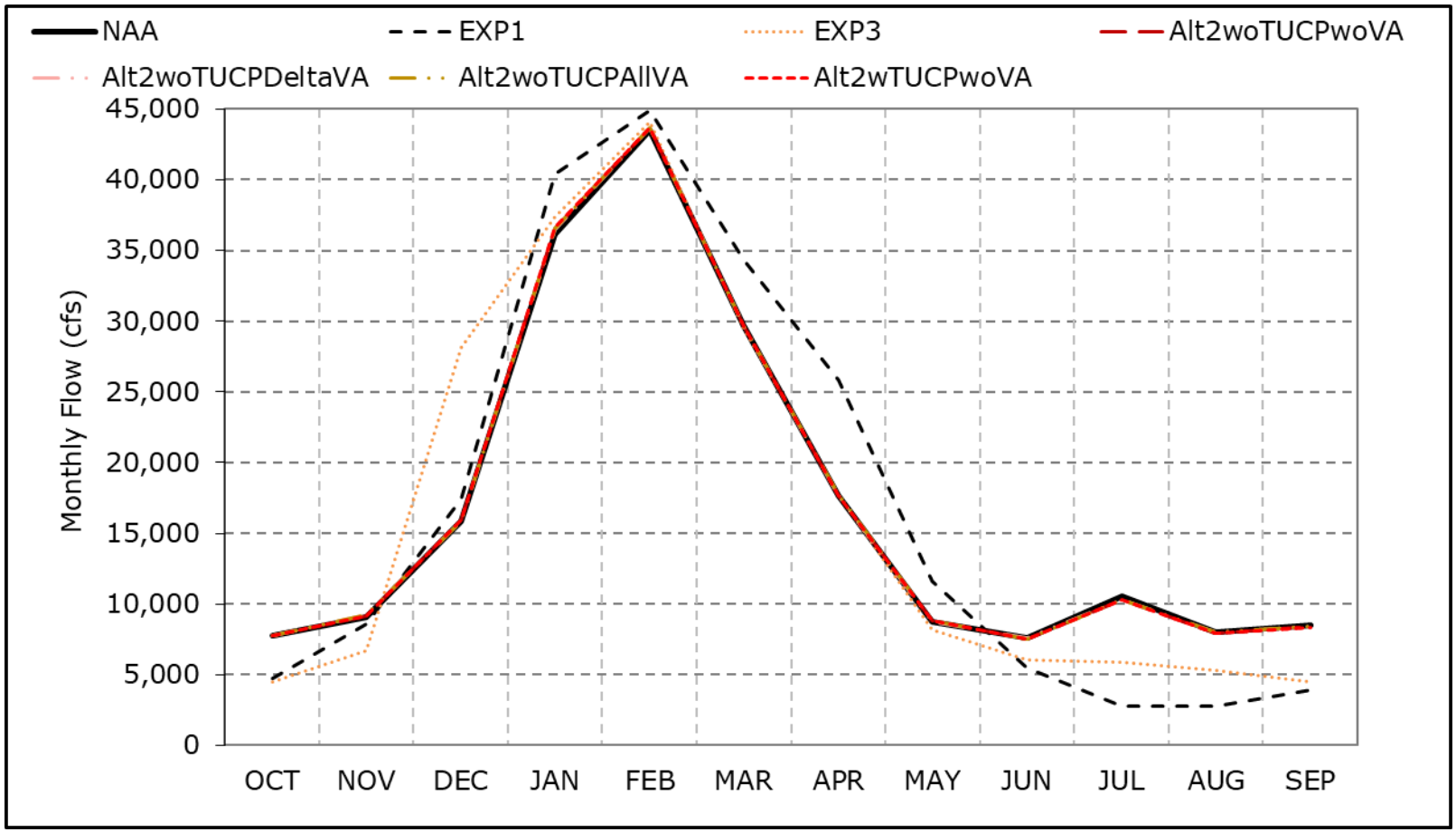
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



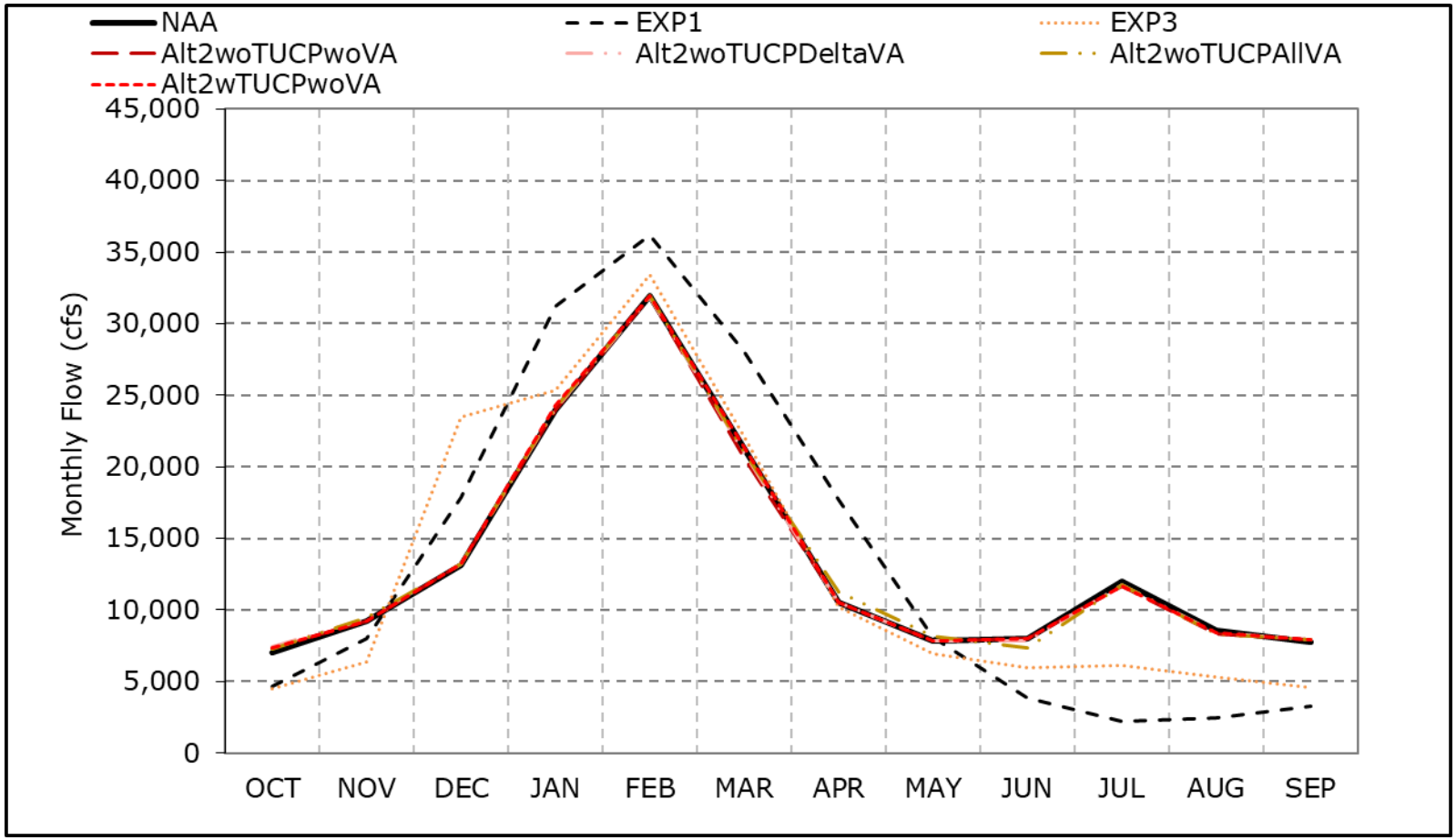
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



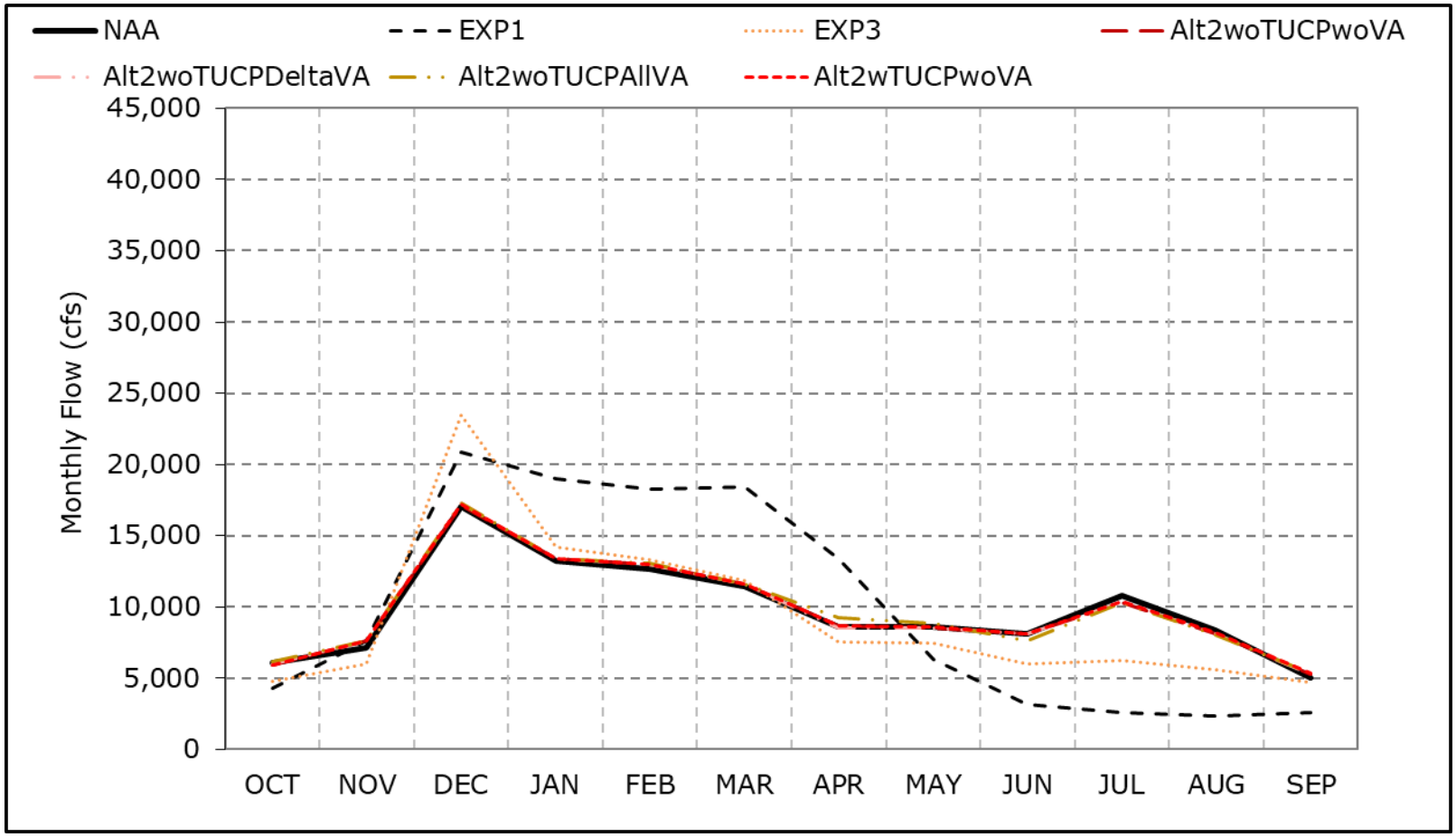
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



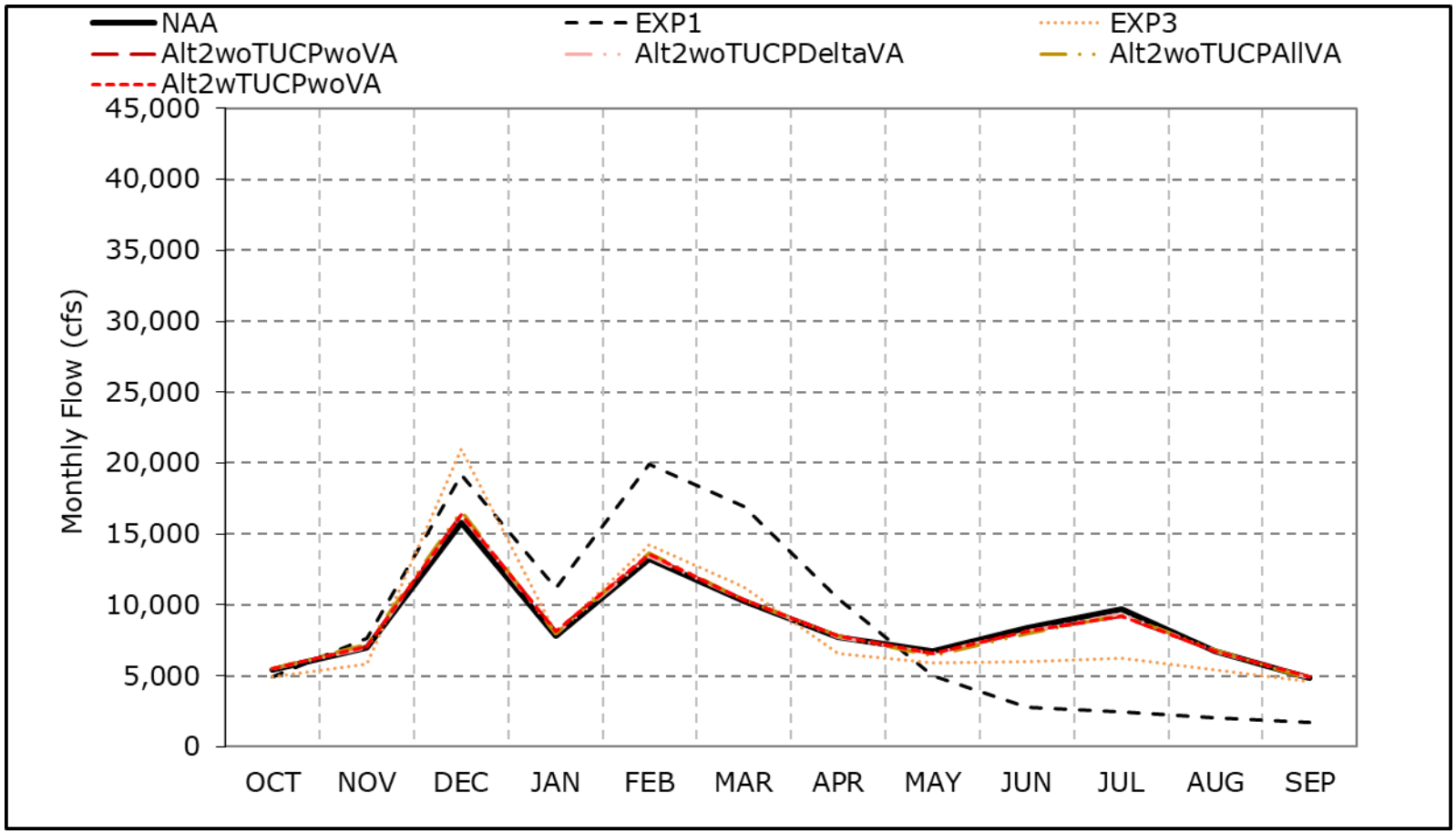
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



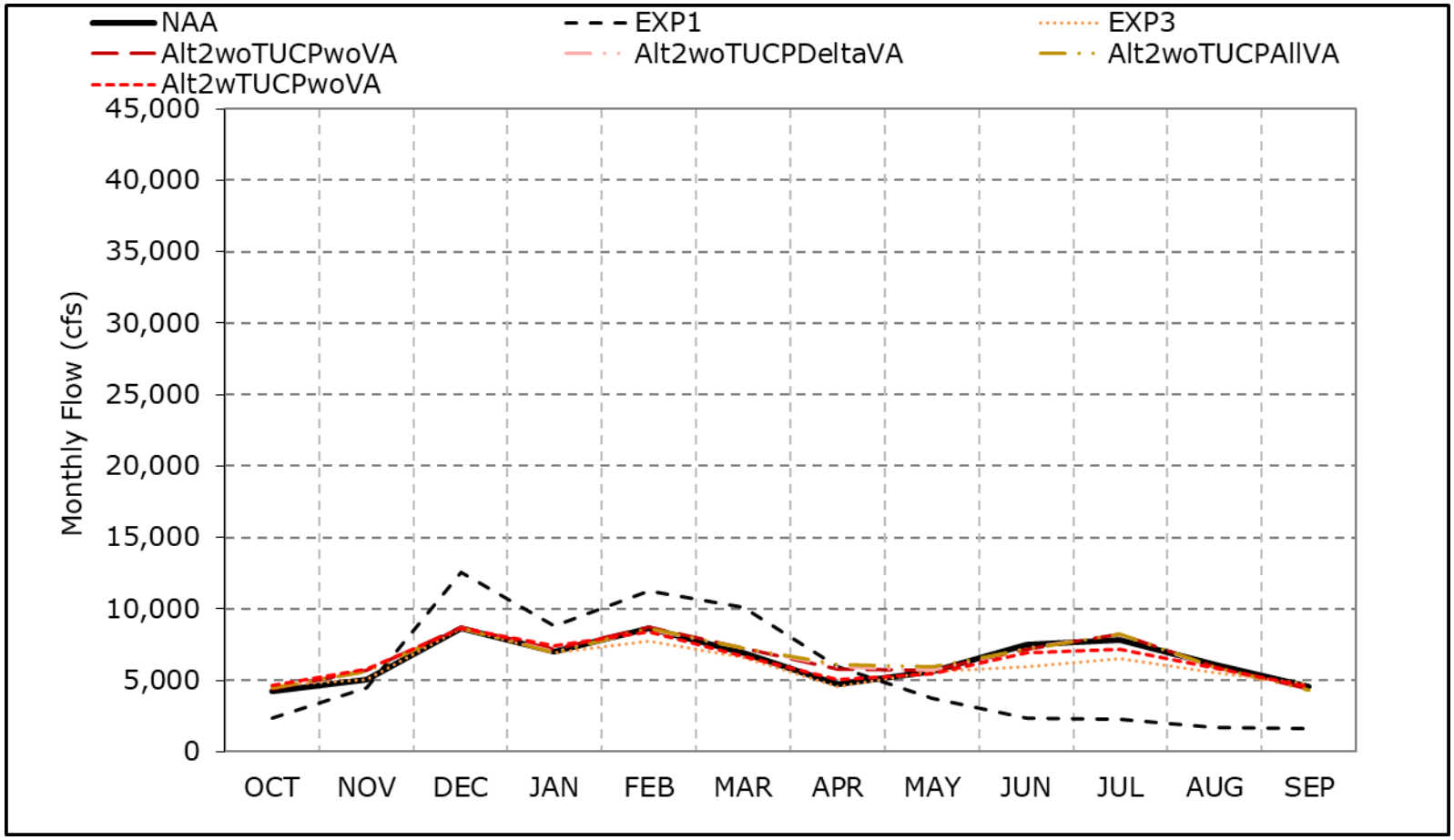
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



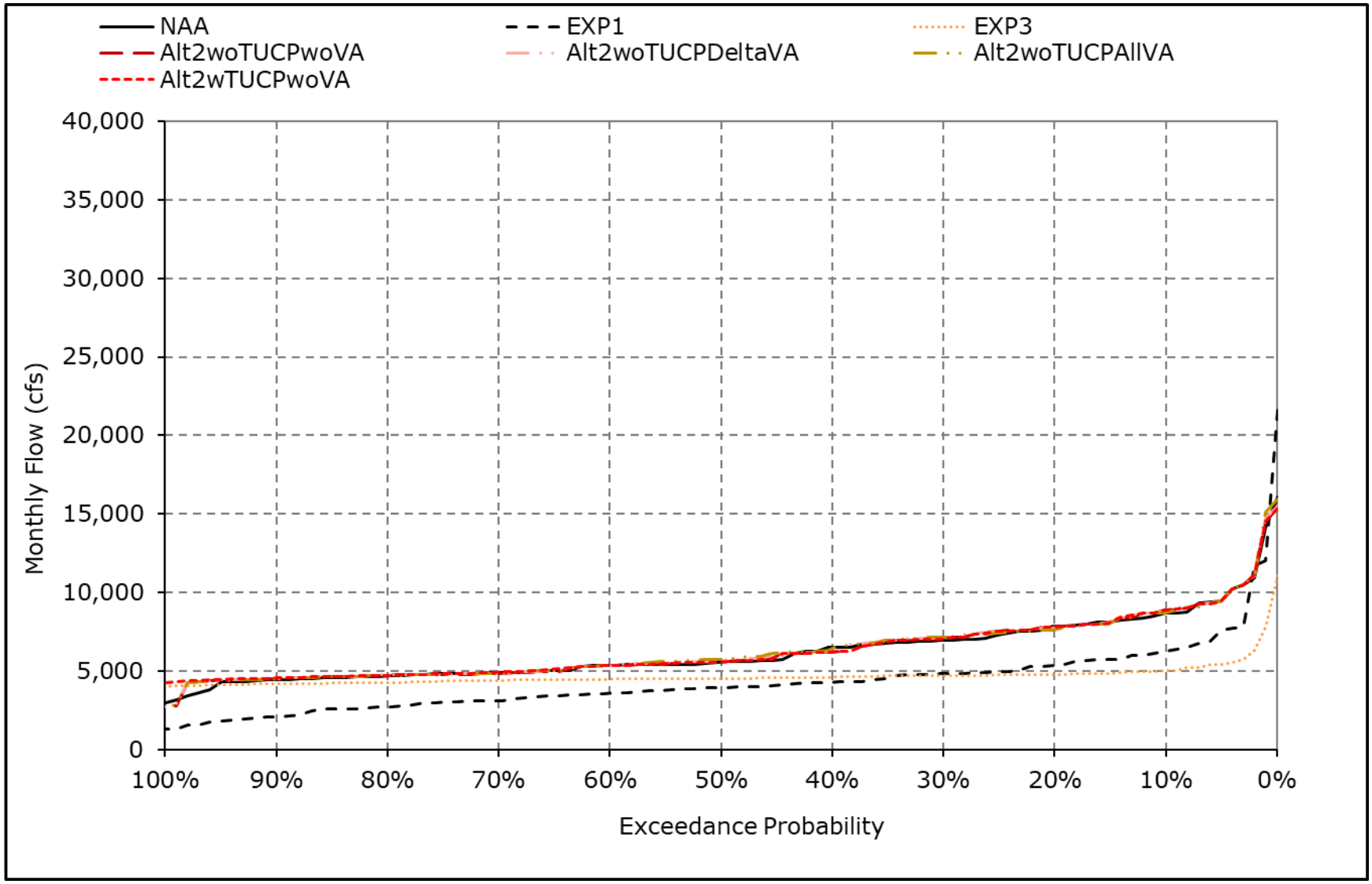
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



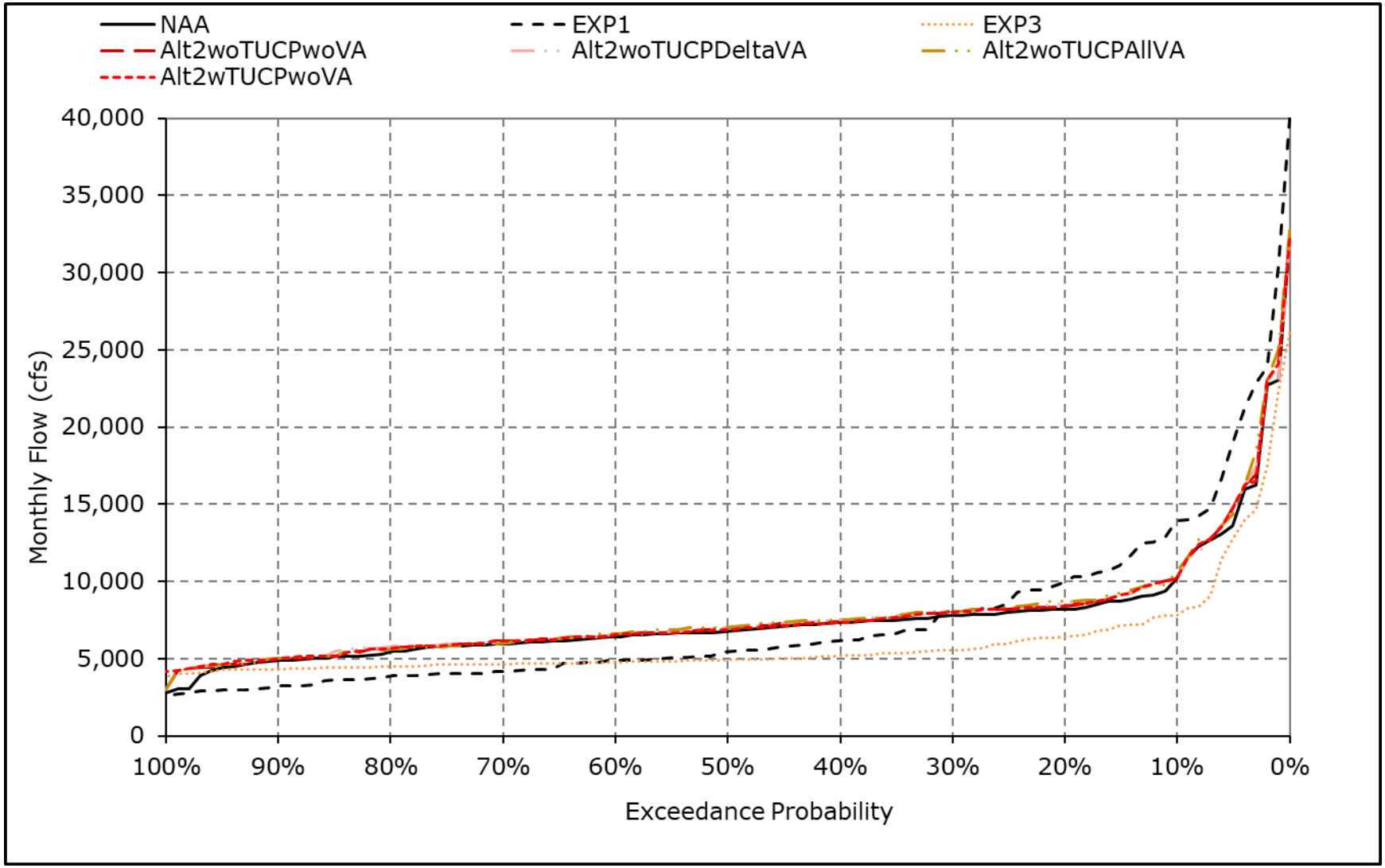
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



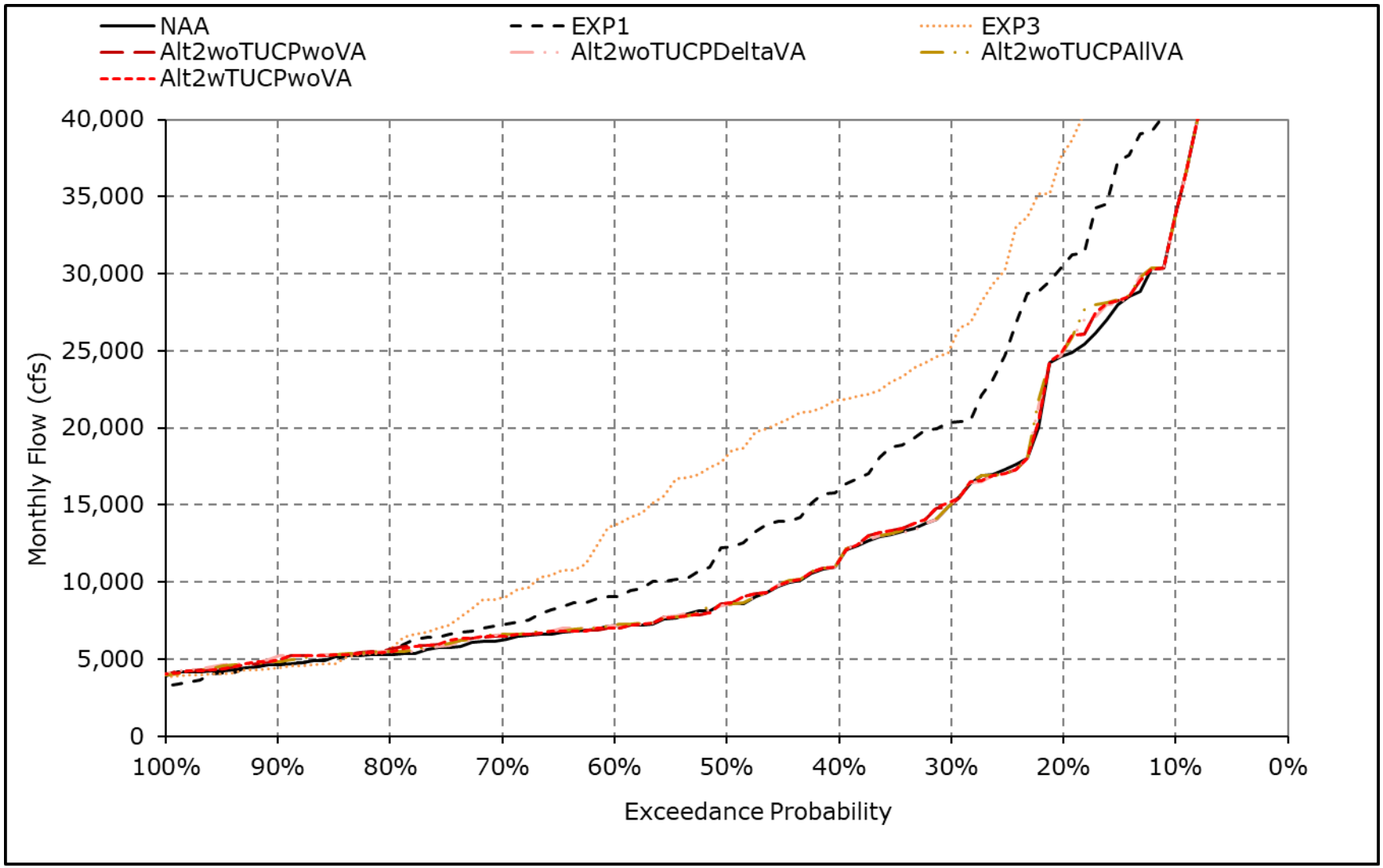
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



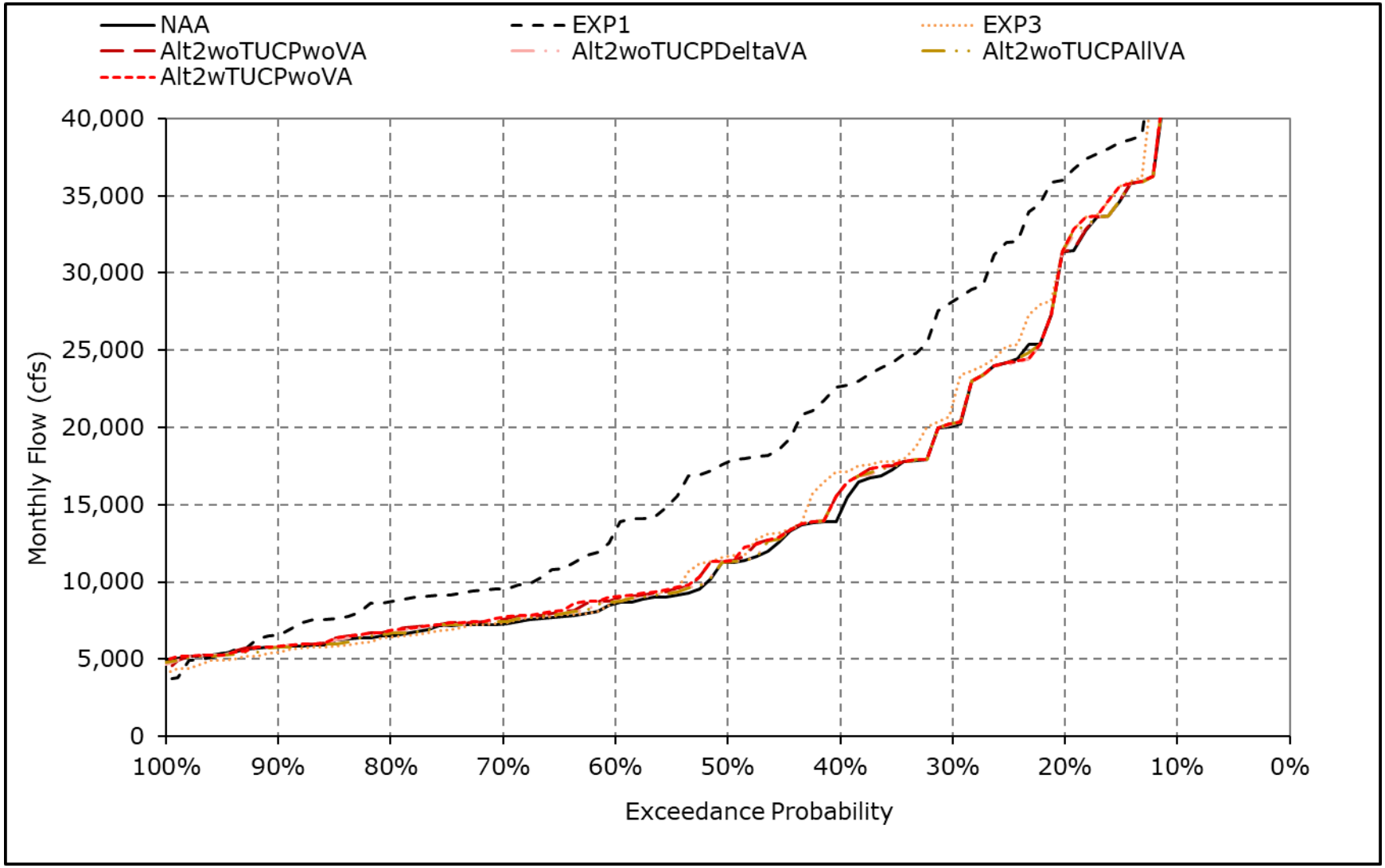
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



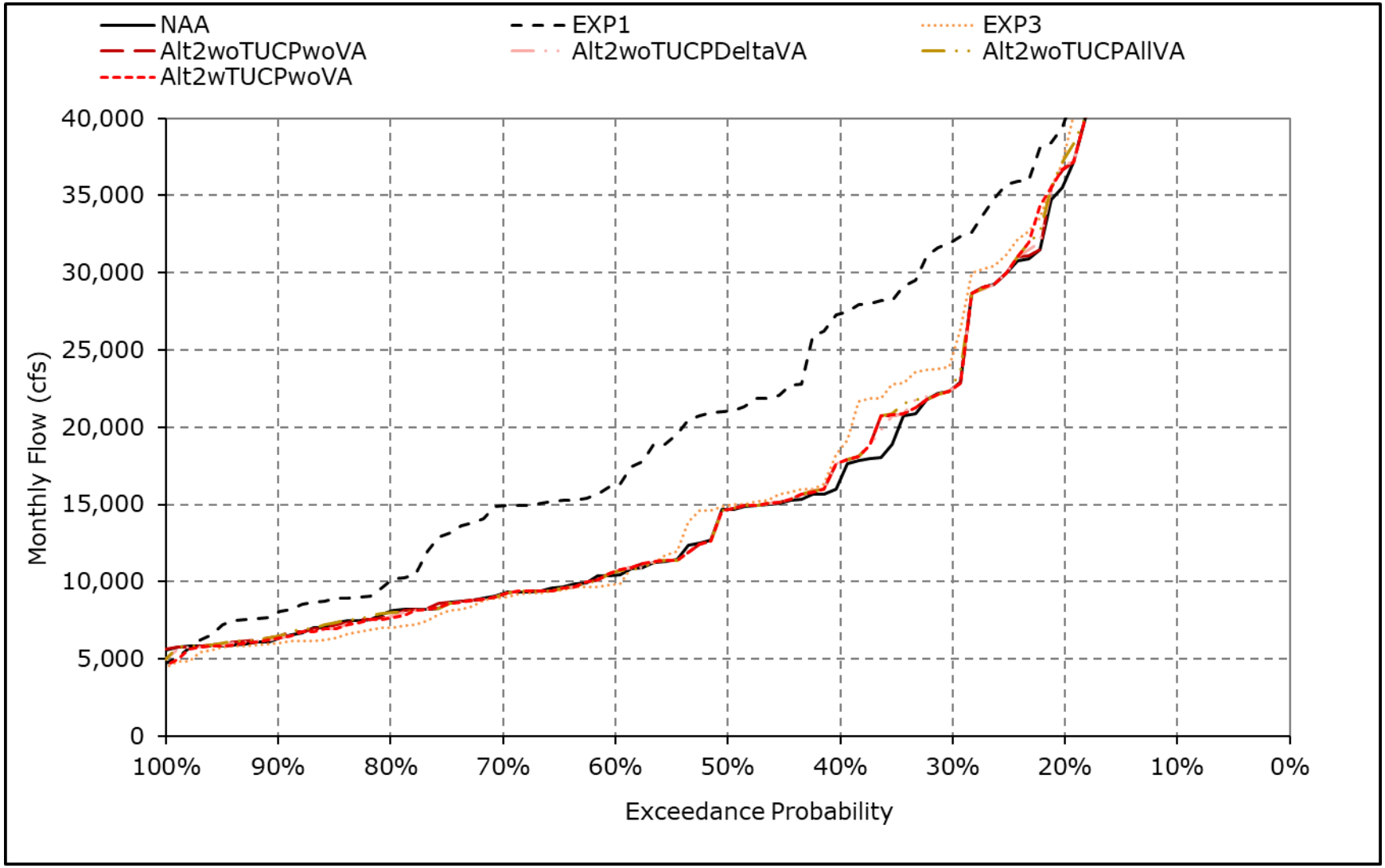
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



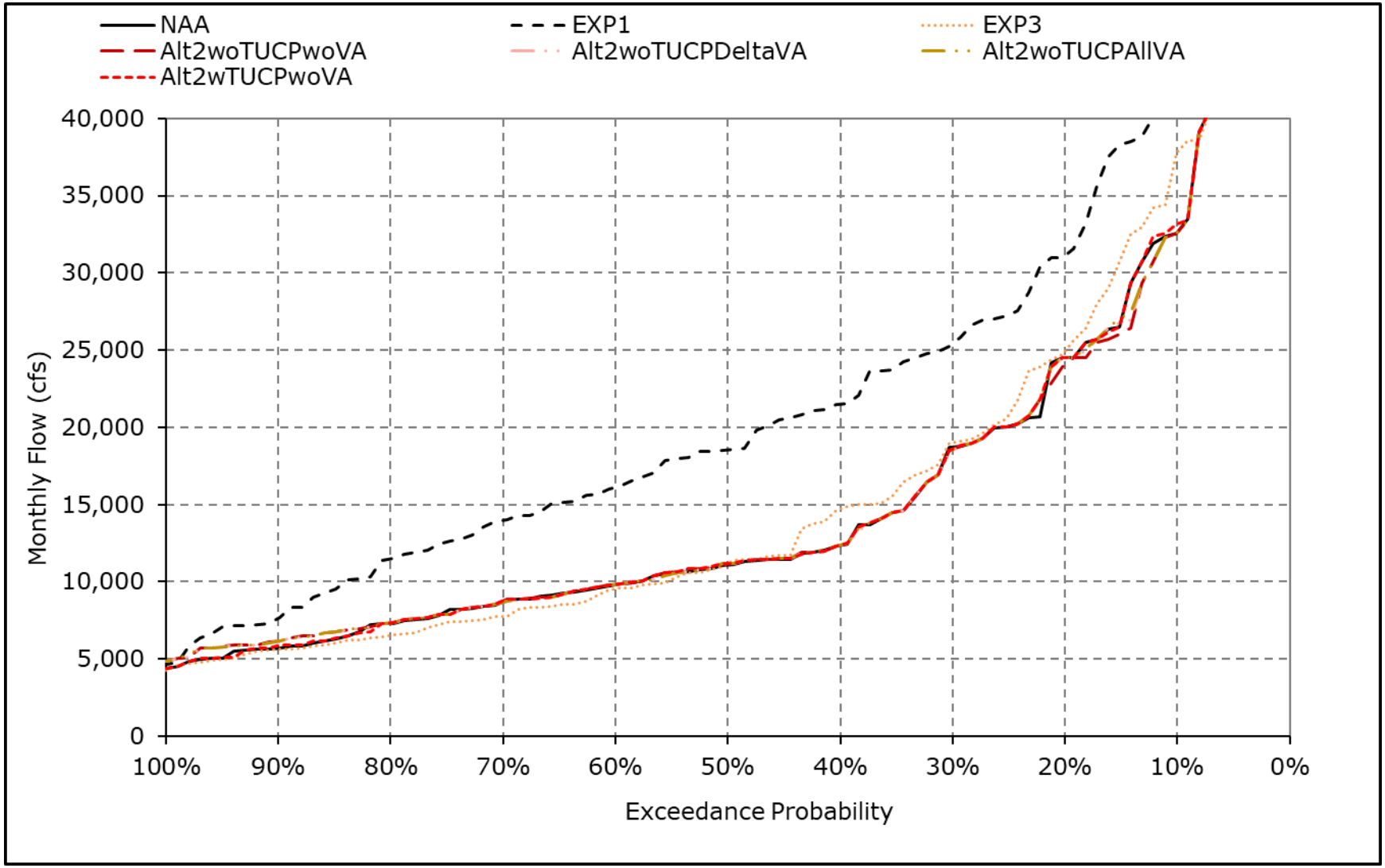
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



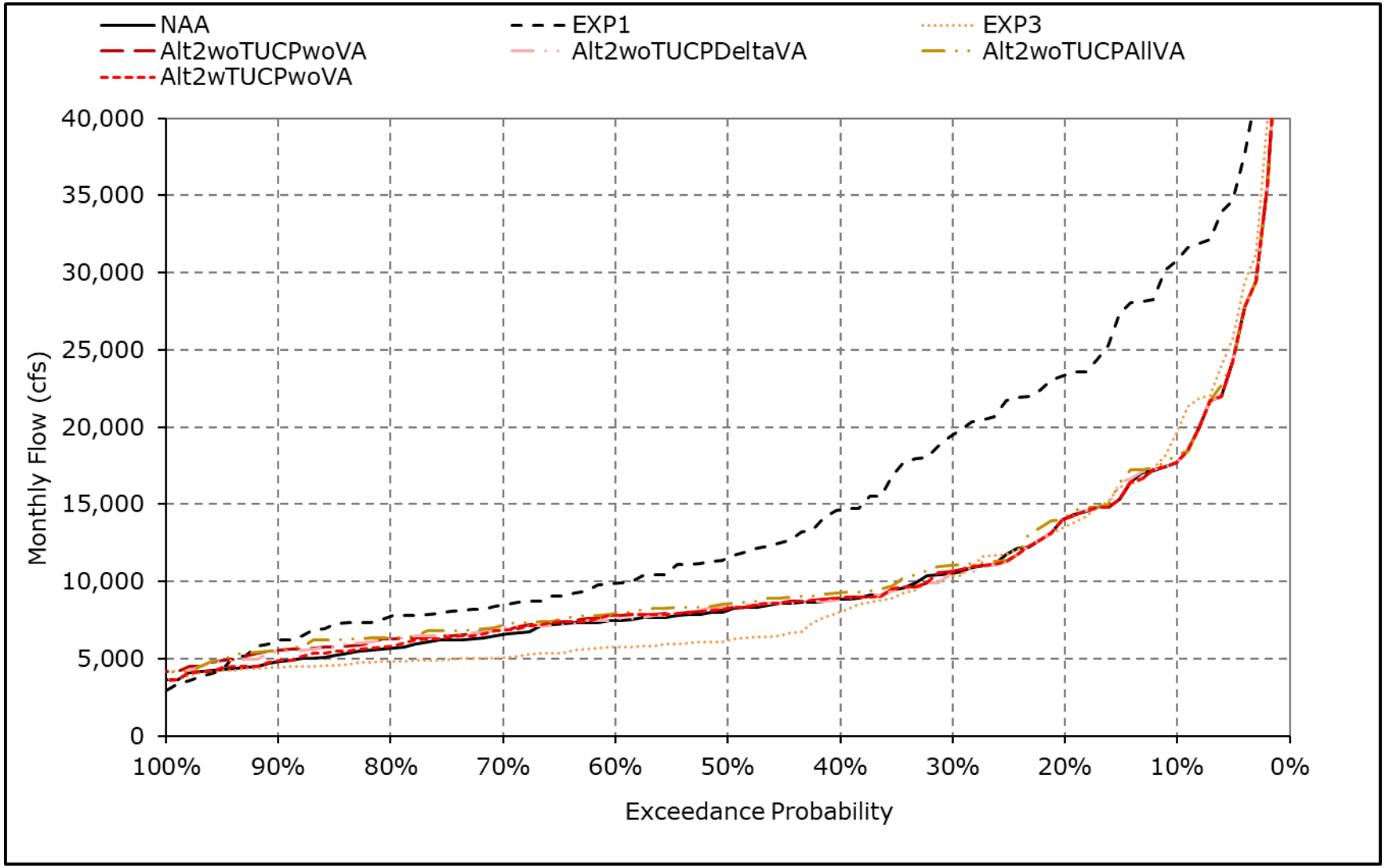
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



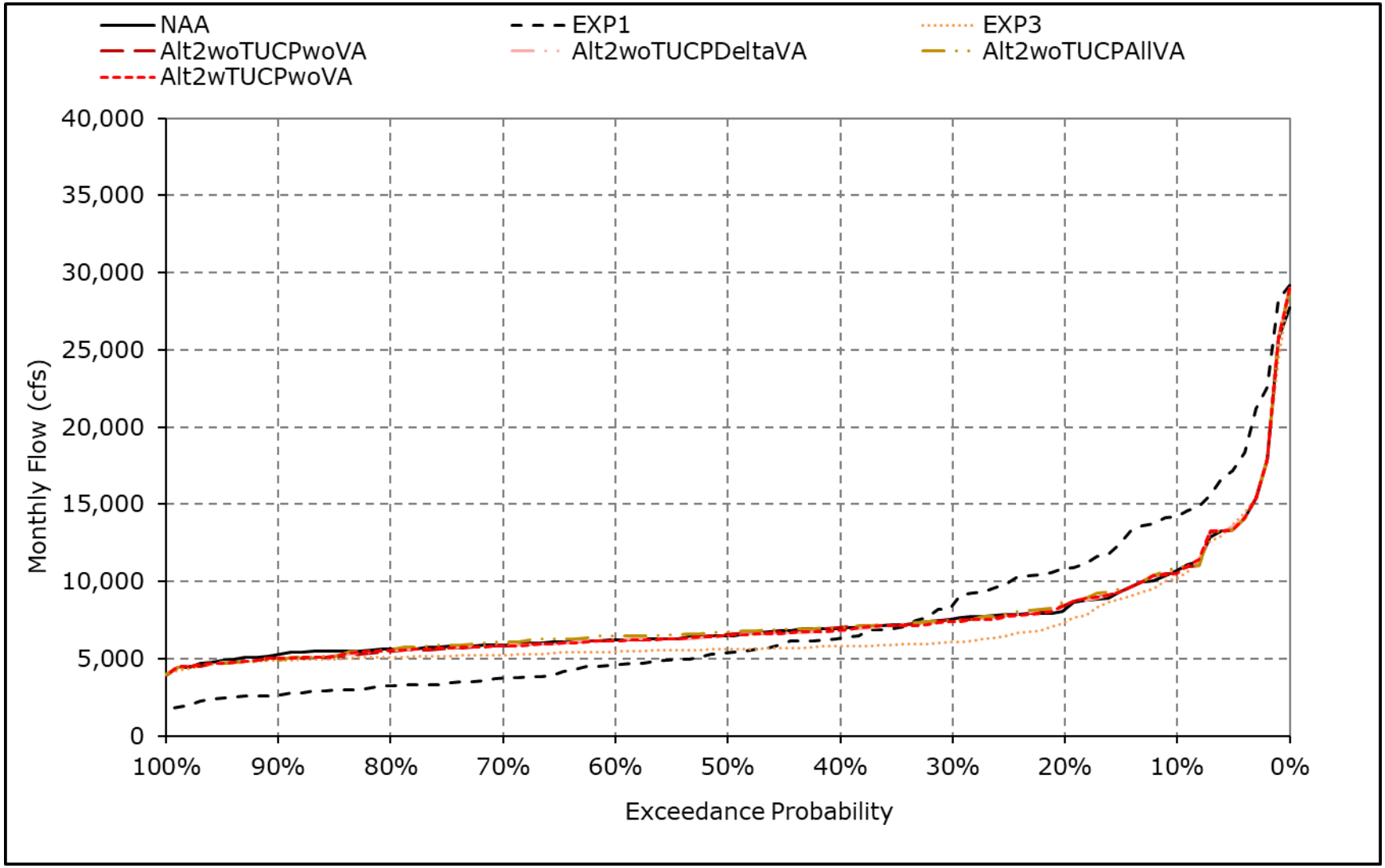
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



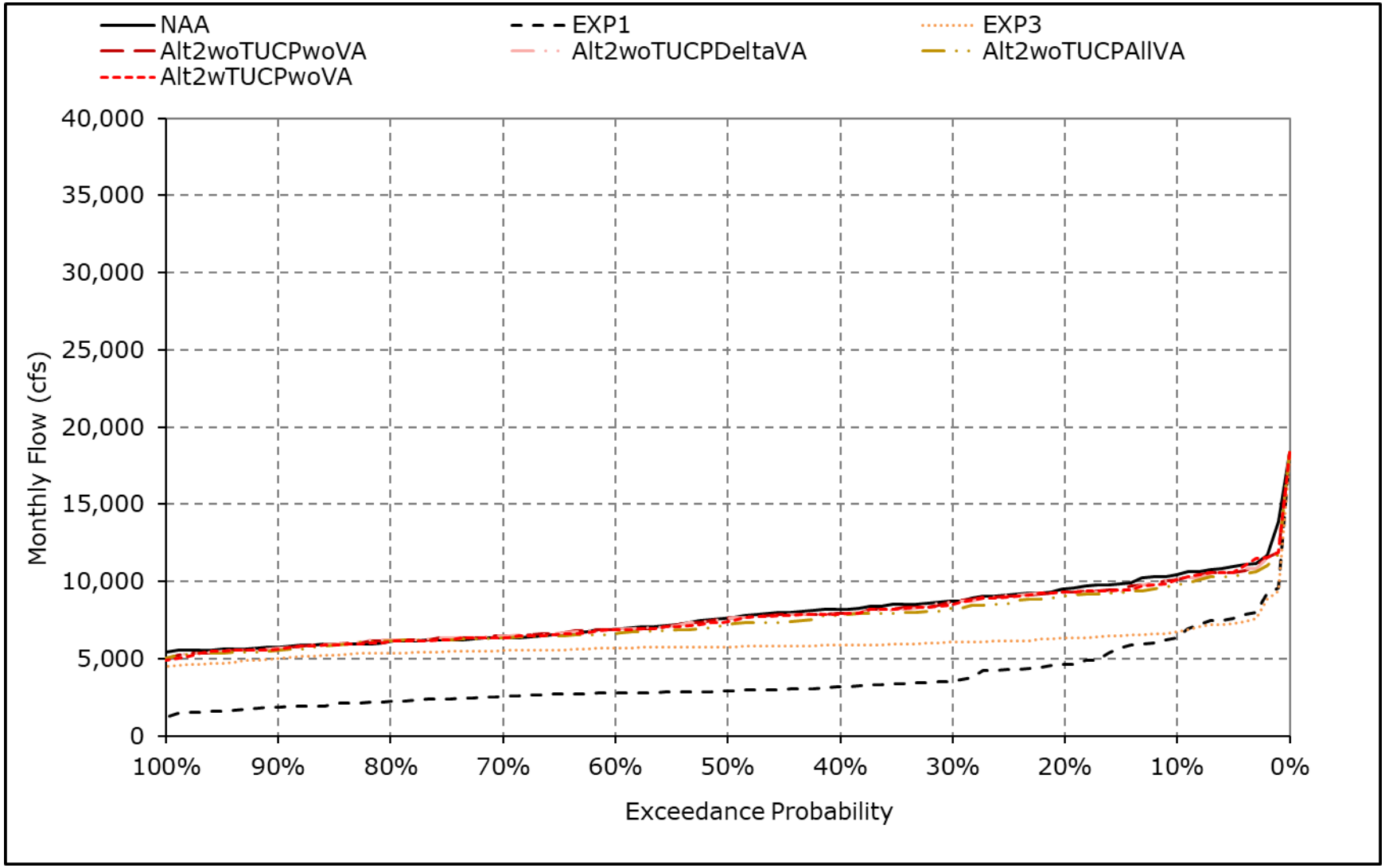
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



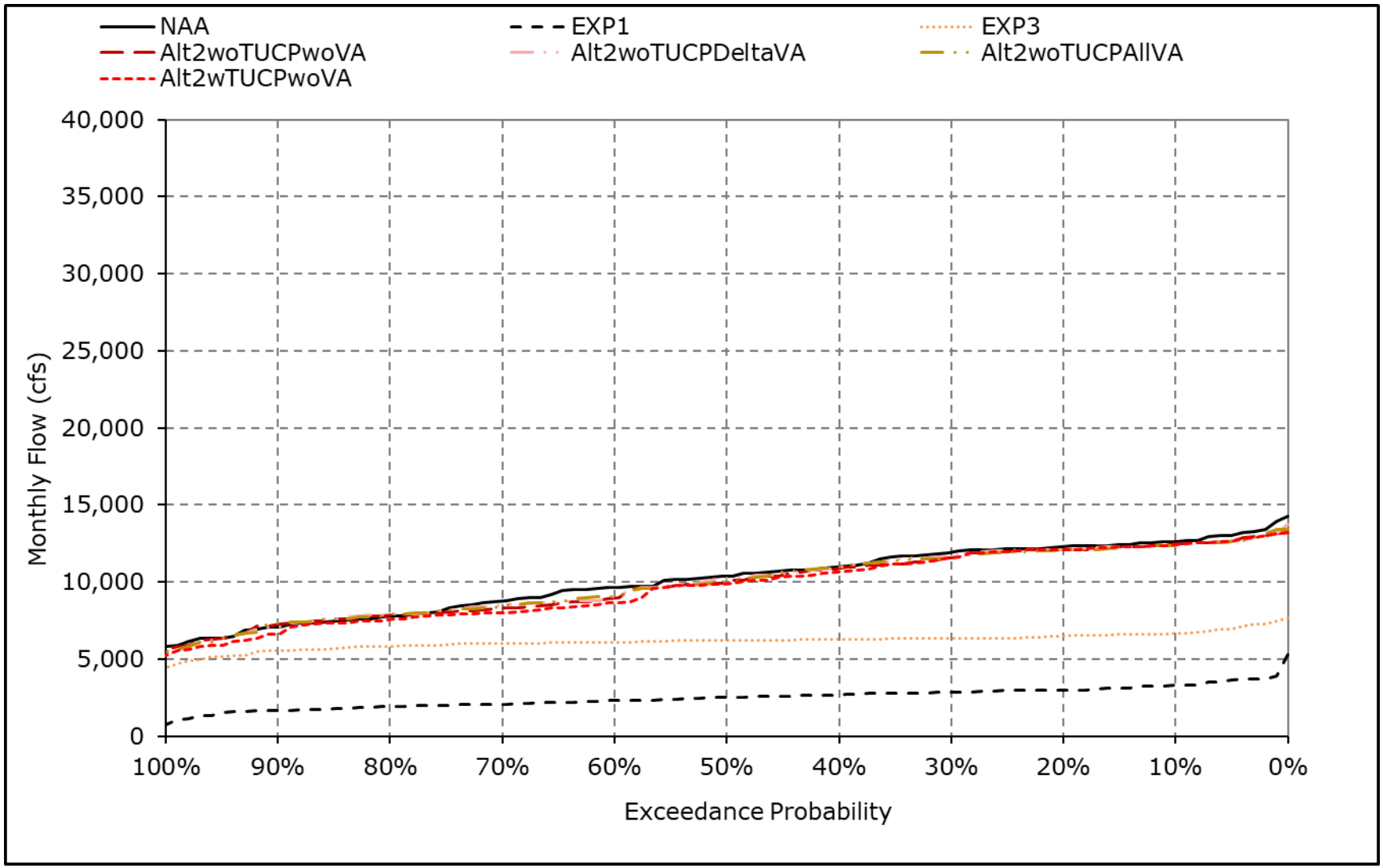
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



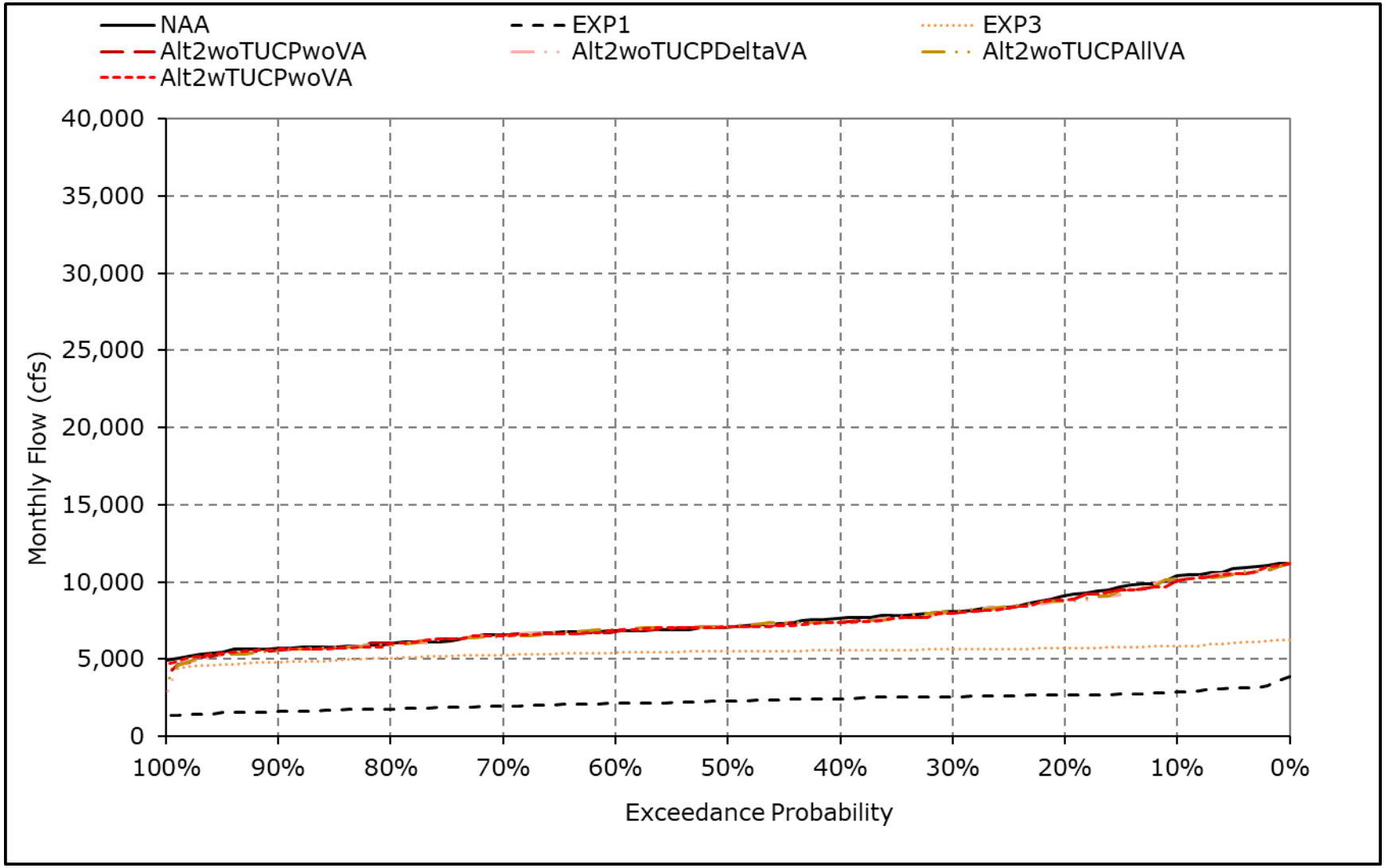
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-6-16. Sacramento River Flow at Hamilton City, July



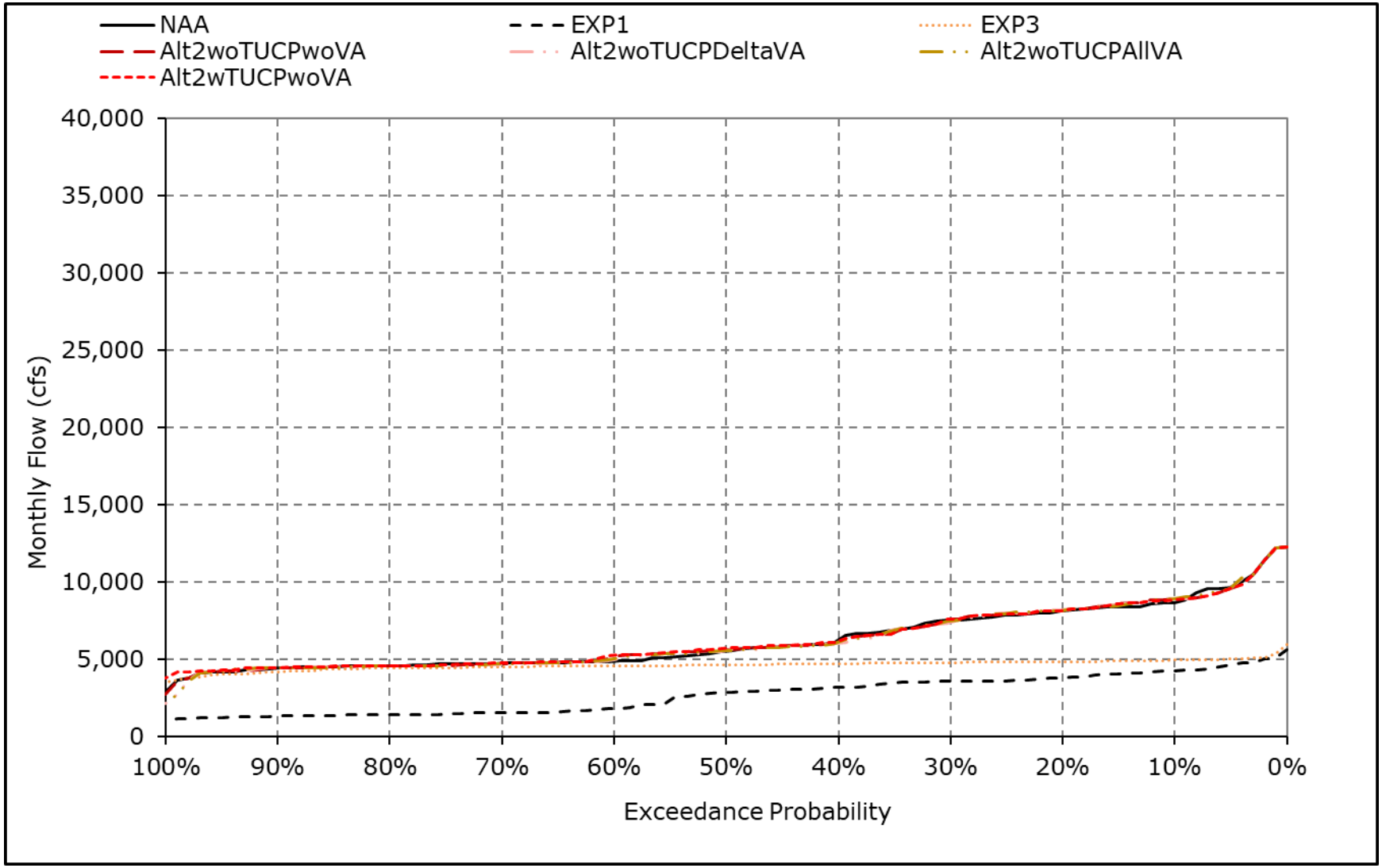
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-6-17. Sacramento River Flow at Hamilton City, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-6-18. Sacramento River Flow at Hamilton City, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-7-1a. Sacramento River at Wilkins Slough Flow, NAA, 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

Table F.2.2-7-1b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,475	8,633	19,091	21,778	22,376	20,542	17,787	8,640	7,233	9,378	7,675	7,659
20% Exceedance	6,620	6,918	16,294	19,156	20,460	17,766	14,895	6,916	6,439	8,879	6,626	6,841
30% Exceedance	5,952	6,318	11,683	14,334	18,631	16,198	10,820	5,443	5,964	8,577	6,116	6,141
40% Exceedance	5,379	6,120	10,147	12,588	14,952	13,453	8,678	4,883	5,639	7,611	5,089	4,500
50% Exceedance	4,500	5,491	8,056	10,346	12,843	12,035	7,414	4,500	4,910	6,885	4,883	4,500
60% Exceedance	4,027	5,073	6,214	8,614	10,844	10,637	6,833	4,210	4,500	6,197	4,500	4,000
70% Exceedance	3,412	4,512	5,578	7,143	9,941	8,973	6,317	4,000	4,500	5,223	4,500	3,400
80% Exceedance	3,310	4,000	4,737	6,033	7,530	7,701	5,704	3,393	4,043	4,733	4,000	3,250
90% Exceedance	3,250	3,250	4,205	5,217	6,580	5,891	4,656	3,250	3,325	4,187	3,250	3,250
Full Simulation Period Average[a]	5,136	6,177	9,822	12,181	14,186	12,933	9,563	5,640	5,332	6,820	5,271	5,003
Wet Water Years (28%)	6,763	7,556	10,462	18,773	19,922	17,997	14,437	7,472	5,580	7,328	5,816	7,073
Above Normal Water Years (14%)	6,283	7,034	9,738	15,291	18,014	16,108	11,113	6,013	5,467	8,453	6,302	6,690
Below Normal Water Years (18%)	4,699	6,108	11,211	10,926	11,564	11,289	8,255	5,768	5,293	7,031	5,733	3,953
Dry Water Years (24%)	4,149	5,397	9,895	7,404	11,182	10,148	7,037	4,496	5,337	6,045	4,523	3,661
Critical Water Years (16%)	3,055	4,074	6,926	6,503	8,254	7,321	4,941	3,678	4,819	5,423	4,016	3,100

Table F.2.2-7-1c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	72	-2	13	3	0	13	10	-258	-160	-297	-146
20% Exceedance	79	317	151	7	-2	-15	-134	283	-459	-158	-395	131
30% Exceedance	225	39	-6	1	-11	-75	162	-27	79	-194	-41	-152
40% Exceedance	-37	339	20	154	505	46	50	116	-63	-355	-355	-656
50% Exceedance	-8	29	126	51	24	-8	80	0	-165	-304	50	500
60% Exceedance	27	91	61	545	-82	55	92	-249	0	-402	0	600
70% Exceedance	12	19	221	137	-27	237	167	0	0	-183	14	0
80% Exceedance	-15	277	160	197	-433	-15	666	23	56	68	-32	0
90% Exceedance	0	0	741	214	292	308	343	0	75	277	-75	0
Full Simulation Period Average[a]	54	199	126	132	45	57	184	11	-78	-191	-99	14
Wet Water Years (28%)	17	88	64	68	5	1	0	56	-27	-216	-109	-132
Above Normal Water Years (14%)	322	-4	70	8	-13	-173	-17	-12	-22	-343	-222	109
Below Normal Water Years (18%)	-175	435	115	74	101	80	102	-101	-6	-428	-293	165
Dry Water Years (24%)	36	22	255	266	63	80	44	-179	-294	-455	20	68
Critical Water Years (16%)	161	610	106	218	78	296	984	361	28	647	67	-68

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-2a. Sacramento River at Wilkins Slough Flow, NAA, 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

Table F.2.2-7-2b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,457	8,644	19,089	21,780	22,377	20,546	17,777	8,626	7,364	9,367	7,846	7,646
20% Exceedance	6,606	7,102	16,504	19,156	20,460	17,762	14,898	6,835	6,451	8,908	6,773	6,862
30% Exceedance	5,993	6,336	11,673	14,331	18,610	16,150	10,340	5,413	5,801	8,675	5,918	6,046
40% Exceedance	5,575	6,128	10,144	12,538	14,799	13,453	8,613	4,767	5,363	7,808	5,277	4,501
50% Exceedance	4,500	5,524	8,024	10,310	12,843	12,036	7,560	4,500	4,918	6,906	4,940	4,000
60% Exceedance	4,059	5,089	6,170	8,334	10,845	10,550	6,824	4,236	4,500	6,196	4,623	4,000
70% Exceedance	3,500	4,500	5,674	7,099	9,941	8,974	5,984	4,000	4,500	5,314	4,500	3,400
80% Exceedance	3,290	4,000	4,641	5,969	7,534	7,703	5,454	3,385	4,000	4,768	4,115	3,250
90% Exceedance	3,250	3,267	4,242	5,016	6,343	5,888	4,855	3,250	3,325	4,457	3,250	3,250
Full Simulation Period Average[a]	5,162	6,199	9,829	12,114	14,159	12,934	9,525	5,620	5,313	6,873	5,283	4,961
Wet Water Years (28%)	6,750	7,626	10,430	18,769	19,923	17,990	14,429	7,436	5,567	7,321	5,851	7,066
Above Normal Water Years (14%)	6,340	7,203	9,730	15,288	18,015	16,208	11,106	6,011	5,369	8,495	6,355	6,682
Below Normal Water Years (18%)	4,766	6,097	11,278	10,908	11,588	11,289	8,075	5,743	5,286	7,040	5,730	3,917
Dry Water Years (24%)	4,140	5,382	9,956	7,294	11,167	10,102	6,940	4,470	5,311	6,197	4,540	3,589
Critical Water Years (16%)	3,130	3,963	6,861	6,280	8,079	7,319	5,071	3,685	4,853	5,498	3,964	3,003

Table F.2.2-7-2c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	192	83	-4	15	3	4	3	-4	-126	-171	-126	-160
20% Exceedance	65	501	362	7	-2	-19	-131	202	-448	-129	-247	153
30% Exceedance	265	57	-17	-2	-32	-123	-318	-57	-84	-96	-240	-247
40% Exceedance	159	347	18	104	352	46	-15	0	-338	-159	-167	-655
50% Exceedance	-8	62	94	14	25	-8	226	0	-157	-283	107	0
60% Exceedance	59	107	16	265	-81	-31	84	-223	0	-403	123	600
70% Exceedance	100	6	317	92	-28	238	-166	0	0	-92	14	0
80% Exceedance	-35	277	64	132	-429	-13	417	15	13	103	83	0
90% Exceedance	0	17	779	13	54	306	542	0	75	548	-75	0
Full Simulation Period Average[a]	80	222	133	65	18	58	146	-10	-97	-137	-86	-28
Wet Water Years (28%)	4	159	33	64	6	-5	-8	20	-40	-224	-74	-139
Above Normal Water Years (14%)	379	165	62	4	-12	-73	-24	-14	-120	-301	-168	100
Below Normal Water Years (18%)	-108	425	183	55	126	80	-77	-126	-13	-419	-296	130
Dry Water Years (24%)	27	6	316	155	48	34	-53	-206	-321	-304	37	-3
Critical Water Years (16%)	236	499	40	-5	-98	293	1,115	367	62	722	15	-165

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-3a. Sacramento River at Wilkins Slough Flow, NAA, 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

Table F.2.2-7-3b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,435	9,049	19,140	21,779	22,378	20,547	18,075	8,703	7,220	9,370	7,720	7,650
20% Exceedance	6,517	7,314	16,708	19,156	20,463	17,761	15,672	6,952	6,456	8,998	6,867	6,984
30% Exceedance	6,005	6,370	11,714	14,325	18,645	16,152	11,047	5,364	5,590	8,635	6,034	6,070
40% Exceedance	5,610	6,156	10,163	12,638	15,109	13,452	8,892	5,247	5,037	7,925	5,324	4,534
50% Exceedance	4,557	5,679	8,022	10,314	12,843	12,026	7,959	4,790	4,691	6,835	5,000	4,297
60% Exceedance	4,105	5,184	6,159	8,331	10,844	10,551	7,271	4,502	4,500	6,163	4,666	4,000
70% Exceedance	3,636	4,497	5,659	7,099	9,941	9,013	6,451	4,034	4,500	5,370	4,500	3,418
80% Exceedance	3,319	3,990	4,706	5,973	7,795	7,705	5,688	3,730	4,000	4,842	4,125	3,279
90% Exceedance	3,250	3,274	4,017	4,977	6,584	5,886	5,104	3,250	3,325	4,238	3,250	3,250
Full Simulation Period Average[a]	5,190	6,249	9,851	12,103	14,206	12,942	9,821	5,811	5,178	6,909	5,331	5,021
Wet Water Years (28%)	6,726	7,638	10,441	18,771	19,923	17,993	14,470	7,489	5,533	7,346	5,860	7,100
Above Normal Water Years (14%)	6,259	7,254	9,767	15,320	18,025	16,224	11,800	6,483	5,017	8,591	6,350	6,754
Below Normal Water Years (18%)	4,982	6,083	11,296	10,915	11,633	11,289	8,819	6,180	4,979	7,111	5,746	4,078
Dry Water Years (24%)	4,179	5,576	10,015	7,287	11,282	10,118	7,036	4,459	5,250	6,212	4,657	3,628
Critical Water Years (16%)	3,124	3,928	6,834	6,179	8,139	7,329	5,261	3,899	4,816	5,493	4,057	3,015

Table F.2.2-7-3c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	170	487	48	14	4	4	301	73	-270	-168	-252	-156
20% Exceedance	-24	713	565	7	1	-20	643	319	-442	-40	-154	274
30% Exceedance	278	91	25	-8	3	-122	389	-106	-295	-136	-124	-223
40% Exceedance	195	375	36	204	662	45	264	480	-665	-41	-120	-622
50% Exceedance	49	216	93	19	24	-17	625	290	-385	-354	167	297
60% Exceedance	105	202	5	262	-81	-30	531	42	0	-436	166	600
70% Exceedance	236	4	302	92	-27	277	301	34	0	-36	14	18
80% Exceedance	-6	266	129	136	-168	-11	651	360	13	177	92	29
90% Exceedance	0	24	553	-26	295	304	791	0	75	328	-75	0
Full Simulation Period Average[a]	109	272	155	54	65	66	442	182	-232	-102	-38	31
Wet Water Years (28%)	-21	171	44	66	6	-3	33	74	-75	-199	-65	-105
Above Normal Water Years (14%)	298	216	99	37	-3	-58	670	458	-471	-204	-174	173
Below Normal Water Years (18%)	108	410	200	63	170	80	667	311	-320	-349	-280	290
Dry Water Years (24%)	66	201	375	148	163	51	42	-217	-382	-289	155	36
Critical Water Years (16%)	230	464	13	-106	-38	303	1,304	581	25	717	108	-153

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-4a. Sacramento River at Wilkins Slough Flow, NAA, 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

Table F.2.2-7-4b. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,478	8,634	19,092	21,778	22,377	20,548	17,791	8,641	7,203	9,379	7,729	7,644
20% Exceedance	6,623	6,919	16,283	19,152	20,461	17,783	14,898	6,917	6,479	8,876	6,597	6,834
30% Exceedance	5,972	6,323	11,774	14,334	18,642	16,208	10,825	5,342	5,900	8,562	6,120	6,147
40% Exceedance	5,386	6,119	10,149	12,622	14,968	13,453	8,680	4,770	5,476	7,452	5,162	4,503
50% Exceedance	4,501	5,485	8,060	10,341	12,851	12,035	7,415	4,500	4,911	6,695	4,828	4,500
60% Exceedance	4,029	5,010	6,212	8,565	10,845	10,638	6,830	4,152	4,500	5,649	4,500	4,000
70% Exceedance	3,527	4,500	5,582	7,183	9,942	8,974	6,318	4,000	4,500	4,971	4,500	3,400
80% Exceedance	3,325	3,991	4,736	6,035	7,531	7,706	5,565	3,378	4,000	4,514	3,990	3,250
90% Exceedance	3,250	3,378	4,133	5,221	6,343	5,666	4,308	3,250	3,393	3,498	3,318	3,250
Full Simulation Period Average[a]	5,182	6,185	9,829	12,221	14,146	12,883	9,455	5,612	5,292	6,658	5,270	5,048
Wet Water Years (28%)	6,766	7,552	10,467	18,791	19,923	17,999	14,438	7,471	5,579	7,322	5,813	7,069
Above Normal Water Years (14%)	6,289	7,037	9,740	15,327	18,024	16,308	11,138	6,017	5,469	8,454	6,345	6,687
Below Normal Water Years (18%)	4,738	6,103	11,232	10,935	11,571	11,292	8,244	5,867	5,317	7,087	5,845	4,050
Dry Water Years (24%)	4,154	5,398	9,909	7,397	11,197	10,145	7,057	4,505	5,326	6,000	4,524	3,661
Critical Water Years (16%)	3,295	4,143	6,919	6,691	7,965	6,829	4,223	3,380	4,557	4,429	3,854	3,281

Table F.2.2-7-4c. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	212	72	-1	13	3	6	18	11	-288	-160	-243	-161
20% Exceedance	82	318	140	3	-1	2	-131	284	-420	-161	-424	124
30% Exceedance	244	44	85	2	0	-66	167	-128	15	-209	-38	-146
40% Exceedance	-30	338	22	188	521	46	52	3	-226	-514	-281	-653
50% Exceedance	-7	23	130	45	33	-8	81	0	-165	-494	-5	500
60% Exceedance	29	28	58	496	-81	57	90	-307	0	-950	0	600
70% Exceedance	127	6	225	177	-27	238	168	0	0	-436	13	0
80% Exceedance	0	267	159	198	-431	-11	527	8	13	-150	-42	0
90% Exceedance	0	128	670	218	54	84	-5	0	143	-412	-7	0
Full Simulation Period Average[a]	100	208	134	172	5	6	76	-17	-118	-353	-99	59
Wet Water Years (28%)	19	84	70	86	6	3	2	56	-28	-223	-112	-136
Above Normal Water Years (14%)	328	-2	71	43	-4	27	7	-8	-20	-342	-179	106
Below Normal Water Years (18%)	-136	431	136	83	108	83	92	-2	18	-372	-181	262
Dry Water Years (24%)	41	23	269	259	78	77	64	-171	-305	-501	22	69
Critical Water Years (16%)	401	679	99	406	-212	-197	266	62	-234	-347	-95	113

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-5a. Sacramento River at Wilkins Slough Flow, NAA, 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

Table F.2.2-7-5b. Sacramento River at Wilkins Slough Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,987	6,805	20,776	22,178	22,373	20,682	18,185	8,859	4,284	3,312	3,250	3,250
20% Exceedance	3,256	4,958	19,320	19,268	20,624	17,980	15,031	6,419	3,250	3,250	3,250	3,250
30% Exceedance	3,250	3,764	16,228	15,262	18,963	16,498	10,367	4,394	3,250	3,250	3,250	3,250
40% Exceedance	3,250	3,254	13,973	12,848	16,186	14,981	7,344	3,250	3,250	3,250	3,250	3,250
50% Exceedance	3,250	3,250	12,820	10,447	12,826	12,195	6,201	3,250	3,250	3,250	3,250	3,250
60% Exceedance	3,250	3,250	10,837	8,363	10,951	9,841	5,081	3,250	3,250	3,250	3,250	3,250
70% Exceedance	3,250	3,250	7,997	7,029	9,837	8,088	4,365	3,250	3,250	3,250	3,250	3,250
80% Exceedance	3,250	3,250	5,017	5,815	7,491	6,717	4,098	3,250	3,250	3,250	3,250	3,250
90% Exceedance	3,250	3,250	3,343	5,046	5,485	5,391	3,341	3,250	3,250	3,250	3,250	3,250
Full Simulation Period Average[a]	3,480	4,511	12,314	12,265	14,171	12,863	8,700	4,959	3,671	3,316	3,260	3,257
Wet Water Years (28%)	3,481	5,070	15,185	18,915	20,027	17,845	14,108	6,934	4,221	3,295	3,250	3,268
Above Normal Water Years (14%)	3,419	4,551	13,719	15,737	18,341	16,340	10,736	5,180	3,747	3,299	3,250	3,250
Below Normal Water Years (18%)	3,511	4,472	12,758	11,370	11,652	11,289	7,181	4,761	3,432	3,260	3,258	3,250
Dry Water Years (24%)	3,638	4,471	11,173	7,261	11,306	10,325	5,640	3,815	3,354	3,250	3,250	3,256
Critical Water Years (16%)	3,250	3,541	6,843	6,104	7,403	6,683	3,756	3,250	3,387	3,530	3,302	3,250

Table F.2.2-7-5c. Sacramento River at Wilkins Slough Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3,278	-1,757	1,684	414	-1	139	411	229	-3,206	-6,226	-4,722	-4,555
20% Exceedance	-3,285	-1,643	3,177	119	162	198	2	-214	-3,648	-5,788	-3,771	-3,460
30% Exceedance	-2,478	-2,515	4,538	930	320	224	-291	-1,076	-2,635	-5,521	-2,908	-3,043
40% Exceedance	-2,166	-2,526	3,846	414	1,739	1,573	-1,284	-1,517	-2,451	-4,716	-2,193	-1,906
50% Exceedance	-1,258	-2,212	4,890	151	7	152	-1,133	-1,250	-1,826	-3,939	-1,583	-750
60% Exceedance	-750	-1,732	4,683	295	25	-741	-1,660	-1,209	-1,250	-3,349	-1,250	-150
70% Exceedance	-150	-1,244	2,640	23	-132	-648	-1,785	-750	-1,250	-2,157	-1,236	-150
80% Exceedance	-75	-473	440	-22	-472	-999	-940	-120	-737	-1,415	-782	0
90% Exceedance	0	0	-120	43	-804	-191	-972	0	0	-660	-75	0
Full Simulation Period Average[a]	-1,601	-1,466	2,619	216	30	-13	-679	-670	-1,739	-3,695	-2,110	-1,733
Wet Water Years (28%)	-3,266	-2,398	4,788	210	110	-151	-329	-481	-1,386	-4,250	-2,675	-3,936
Above Normal Water Years (14%)	-2,542	-2,487	4,050	454	313	59	-394	-845	-1,742	-5,496	-3,274	-3,331
Below Normal Water Years (18%)	-1,363	-1,200	1,662	518	189	80	-971	-1,109	-1,867	-4,200	-2,768	-538
Dry Water Years (24%)	-475	-904	1,534	122	187	257	-1,353	-861	-2,277	-3,251	-1,252	-336
Critical Water Years (16%)	356	77	22	-182	-773	-342	-201	-67	-1,404	-1,246	-647	82

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-6a. Sacramento River at Wilkins Slough Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,865	10,878	19,746	22,501	22,529	21,112	19,303	12,889	4,017	675	715	2,841
20% Exceedance	3,912	7,612	18,332	19,544	20,919	19,505	18,414	8,974	2,990	655	468	2,221
30% Exceedance	3,256	5,912	13,160	17,298	19,579	18,556	17,830	6,721	1,304	643	448	1,882
40% Exceedance	2,894	4,068	11,847	15,318	18,714	17,080	13,101	4,286	711	626	435	1,666
50% Exceedance	2,523	3,511	10,284	12,631	15,584	16,276	11,402	3,394	659	614	422	1,193
60% Exceedance	2,034	2,853	7,380	11,289	13,671	14,721	9,129	2,258	633	605	411	115
70% Exceedance	1,631	2,198	5,982	8,471	12,553	13,032	7,501	1,625	625	583	392	100
80% Exceedance	1,153	1,641	4,367	7,660	9,236	10,874	6,698	1,065	607	564	376	94
90% Exceedance	757	1,165	3,220	5,670	7,588	7,049	5,105	627	493	534	362	87
Full Simulation Period Average[a]	2,842	5,059	10,662	13,668	15,799	15,552	12,062	5,128	1,719	671	501	1,217
Wet Water Years (28%)	3,449	6,314	10,884	19,796	20,946	19,622	17,461	9,544	3,362	862	703	2,395
Above Normal Water Years (14%)	3,263	4,890	11,120	17,158	19,222	18,587	15,138	6,022	1,794	630	502	1,671
Below Normal Water Years (18%)	2,695	5,302	12,179	13,280	13,760	14,833	11,735	3,607	1,120	621	439	1,000
Dry Water Years (24%)	3,191	5,184	10,412	9,142	13,578	13,661	8,918	2,949	901	600	408	366
Critical Water Years (16%)	903	2,391	8,371	7,118	9,420	9,422	5,009	1,598	682	533	357	276

Table F.2.2-7-6b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,475	8,633	19,091	21,778	22,376	20,542	17,787	8,640	7,233	9,378	7,675	7,659
20% Exceedance	6,620	6,918	16,294	19,156	20,460	17,766	14,895	6,916	6,439	8,879	6,626	6,841
30% Exceedance	5,952	6,318	11,683	14,334	18,631	16,198	10,820	5,443	5,964	8,577	6,116	6,141
40% Exceedance	5,379	6,120	10,147	12,588	14,952	13,453	8,678	4,883	5,639	7,611	5,089	4,500
50% Exceedance	4,500	5,491	8,056	10,346	12,843	12,035	7,414	4,500	4,910	6,885	4,883	4,500
60% Exceedance	4,027	5,073	6,214	8,614	10,844	10,637	6,833	4,210	4,500	6,197	4,500	4,000
70% Exceedance	3,412	4,512	5,578	7,143	9,941	8,973	6,317	4,000	4,500	5,223	4,500	3,400
80% Exceedance	3,310	4,000	4,737	6,033	7,530	7,701	5,704	3,393	4,043	4,733	4,000	3,250
90% Exceedance	3,250	3,250	4,205	5,217	6,580	5,891	4,656	3,250	3,325	4,187	3,250	3,250
Full Simulation Period Average[a]	5,136	6,177	9,822	12,181	14,186	12,933	9,563	5,640	5,332	6,820	5,271	5,003
Wet Water Years (28%)	6,763	7,556	10,462	18,773	19,922	17,997	14,437	7,472	5,580	7,328	5,816	7,073
Above Normal Water Years (14%)	6,283	7,034	9,738	15,291	18,014	16,108	11,113	6,013	5,467	8,453	6,302	6,690
Below Normal Water Years (18%)	4,699	6,108	11,211	10,926	11,564	11,289	8,255	5,768	5,293	7,031	5,733	3,953
Dry Water Years (24%)	4,149	5,397	9,895	7,404	11,182	10,148	7,037	4,496	5,337	6,045	4,523	3,661
Critical Water Years (16%)	3,055	4,074	6,926	6,503	8,254	7,321	4,941	3,678	4,819	5,423	4,016	3,100

Table F.2.2-7-6c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,610	-2,245	-655	-723	-153	-569	-1,517	-4,249	3,216	8,703	6,960	4,818
20% Exceedance	2,707	-695	-2,038	-389	-459	-1,739	-3,519	-2,058	3,449	8,224	6,159	4,620
30% Exceedance	2,696	406	-1,477	-2,963	-948	-2,358	-7,011	-1,278	4,661	7,934	5,669	4,259
40% Exceedance	2,485	2,052	-1,700	-2,730	-3,762	-3,627	-4,423	596	4,928	6,985	4,654	2,834
50% Exceedance	1,977	1,981	-2,228	-2,285	-2,741	-4,240	-3,988	1,106	4,252	6,271	4,462	3,307
60% Exceedance	1,994	2,221	-1,166	-2,675	-2,827	-4,084	-2,296	1,952	3,867	5,592	4,089	3,885
70% Exceedance	1,781	2,314	-404	-1,327	-2,612	-4,059	-1,183	2,375	3,875	4,641	4,108	3,300
80% Exceedance	2,157	2,359	370	-1,626	-1,706	-3,173	-994	2,328	3,437	4,169	3,625	3,156
90% Exceedance	2,493	2,085	985	-453	-1,007	-1,158	-449	2,623	2,832	3,654	2,888	3,163
Full Simulation Period Average[a]	2,294	1,118	-841	-1,487	-1,612	-2,619	-2,499	512	3,613	6,149	4,769	3,786
Wet Water Years (28%)	3,314	1,243	-422	-1,023	-1,024	-1,625	-3,024	-2,072	2,218	6,467	5,113	4,677
Above Normal Water Years (14%)	3,020	2,144	-1,382	-1,866	-1,208	-2,479	-4,024	-9	3,673	7,822	5,800	5,018
Below Normal Water Years (18%)	2,004	805	-968	-2,353	-2,196	-3,544	-3,480	2,161	4,173	6,411	5,294	2,953
Dry Water Years (24%)	958	213	-517	-1,737	-2,396	-3,513	-1,880	1,548	4,437	5,445	4,114	3,295
Critical Water Years (16%)	2,152	1,683	-1,445	-616	-1,166	-2,101	-68	2,081	4,137	4,890	3,659	2,824

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-7a. Sacramento River at Wilkins Slough Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,865	10,878	19,746	22,501	22,529	21,112	19,303	12,889	4,017	675	715	2,841
20% Exceedance	3,912	7,612	18,332	19,544	20,919	19,505	18,414	8,974	2,990	655	468	2,221
30% Exceedance	3,256	5,912	13,160	17,298	19,579	18,556	17,830	6,721	1,304	643	448	1,882
40% Exceedance	2,894	4,068	11,847	15,318	18,714	17,080	13,101	4,286	711	626	435	1,666
50% Exceedance	2,523	3,511	10,284	12,631	15,584	16,276	11,402	3,394	659	614	422	1,193
60% Exceedance	2,034	2,853	7,380	11,289	13,671	14,721	9,129	2,258	633	605	411	115
70% Exceedance	1,631	2,198	5,982	8,471	12,553	13,032	7,501	1,625	625	583	392	100
80% Exceedance	1,153	1,641	4,367	7,660	9,236	10,874	6,698	1,065	607	564	376	94
90% Exceedance	757	1,165	3,220	5,670	7,588	7,049	5,105	627	493	534	362	87
Full Simulation Period Average[a]	2,842	5,059	10,662	13,668	15,799	15,552	12,062	5,128	1,719	671	501	1,217
Wet Water Years (28%)	3,449	6,314	10,884	19,796	20,946	19,622	17,461	9,544	3,362	862	703	2,395
Above Normal Water Years (14%)	3,263	4,890	11,120	17,158	19,222	18,587	15,138	6,022	1,794	630	502	1,671
Below Normal Water Years (18%)	2,695	5,302	12,179	13,280	13,760	14,833	11,735	3,607	1,120	621	439	1,000
Dry Water Years (24%)	3,191	5,184	10,412	9,142	13,578	13,661	8,918	2,949	901	600	408	366
Critical Water Years (16%)	903	2,391	8,371	7,118	9,420	9,422	5,009	1,598	682	533	357	276

Table F.2.2-7-7b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,457	8,644	19,089	21,780	22,377	20,546	17,777	8,626	7,364	9,367	7,846	7,646
20% Exceedance	6,606	7,102	16,504	19,156	20,460	17,762	14,898	6,835	6,451	8,908	6,773	6,862
30% Exceedance	5,993	6,336	11,673	14,331	18,610	16,150	10,340	5,413	5,801	8,675	5,918	6,046
40% Exceedance	5,575	6,128	10,144	12,538	14,799	13,453	8,613	4,767	5,363	7,808	5,277	4,501
50% Exceedance	4,500	5,524	8,024	10,310	12,843	12,036	7,560	4,500	4,918	6,906	4,940	4,000
60% Exceedance	4,059	5,089	6,170	8,334	10,845	10,550	6,824	4,236	4,500	6,196	4,623	4,000
70% Exceedance	3,500	4,500	5,674	7,099	9,941	8,974	5,984	4,000	4,500	5,314	4,500	3,400
80% Exceedance	3,290	4,000	4,641	5,969	7,534	7,703	5,454	3,385	4,000	4,768	4,115	3,250
90% Exceedance	3,250	3,267	4,242	5,016	6,343	5,888	4,855	3,250	3,325	4,457	3,250	3,250
Full Simulation Period Average[a]	5,162	6,199	9,829	12,114	14,159	12,934	9,525	5,620	5,313	6,873	5,283	4,961
Wet Water Years (28%)	6,750	7,626	10,430	18,769	19,923	17,990	14,429	7,436	5,567	7,321	5,851	7,066
Above Normal Water Years (14%)	6,340	7,203	9,730	15,288	18,015	16,208	11,106	6,011	5,369	8,495	6,355	6,682
Below Normal Water Years (18%)	4,766	6,097	11,278	10,908	11,588	11,289	8,075	5,743	5,286	7,040	5,730	3,917
Dry Water Years (24%)	4,140	5,382	9,956	7,294	11,167	10,102	6,940	4,470	5,311	6,197	4,540	3,589
Critical Water Years (16%)	3,130	3,963	6,861	6,280	8,079	7,319	5,071	3,685	4,853	5,498	3,964	3,003

Table F.2.2-7-7c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,592	-2,234	-657	-721	-152	-566	-1,527	-4,263	3,348	8,692	7,131	4,805
20% Exceedance	2,693	-511	-1,827	-389	-459	-1,742	-3,517	-2,140	3,461	8,253	6,306	4,642
30% Exceedance	2,736	424	-1,487	-2,967	-969	-2,406	-7,490	-1,308	4,498	8,032	5,470	4,164
40% Exceedance	2,681	2,060	-1,702	-2,780	-3,915	-3,627	-4,488	480	4,652	7,181	4,842	2,835
50% Exceedance	1,977	2,013	-2,259	-2,321	-2,741	-4,240	-3,842	1,106	4,260	6,291	4,518	2,807
60% Exceedance	2,025	2,236	-1,211	-2,955	-2,826	-4,171	-2,305	1,978	3,867	5,592	4,212	3,885
70% Exceedance	1,869	2,302	-308	-1,372	-2,613	-4,058	-1,516	2,375	3,875	4,732	4,108	3,300
80% Exceedance	2,137	2,359	275	-1,691	-1,702	-3,172	-1,244	2,320	3,393	4,204	3,739	3,156
90% Exceedance	2,493	2,102	1,023	-654	-1,244	-1,161	-249	2,623	2,832	3,924	2,888	3,163
Full Simulation Period Average[a]	2,320	1,141	-834	-1,554	-1,639	-2,618	-2,537	492	3,594	6,203	4,782	3,744
Wet Water Years (28%)	3,301	1,313	-454	-1,027	-1,023	-1,632	-3,033	-2,108	2,205	6,459	5,148	4,670
Above Normal Water Years (14%)	3,076	2,312	-1,390	-1,870	-1,207	-2,379	-4,031	-10	3,575	7,865	5,853	5,010
Below Normal Water Years (18%)	2,071	795	-900	-2,372	-2,171	-3,544	-3,660	2,137	4,166	6,420	5,291	2,918
Dry Water Years (24%)	949	197	-456	-1,848	-2,410	-3,559	-1,977	1,521	4,410	5,597	4,131	3,224
Critical Water Years (16%)	2,227	1,572	-1,511	-838	-1,342	-2,104	62	2,087	4,171	4,965	3,607	2,727

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-8a. Sacramento River at Wilkins Slough Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,865	10,878	19,746	22,501	22,529	21,112	19,303	12,889	4,017	675	715	2,841
20% Exceedance	3,912	7,612	18,332	19,544	20,919	19,505	18,414	8,974	2,990	655	468	2,221
30% Exceedance	3,256	5,912	13,160	17,298	19,579	18,556	17,830	6,721	1,304	643	448	1,882
40% Exceedance	2,894	4,068	11,847	15,318	18,714	17,080	13,101	4,286	711	626	435	1,666
50% Exceedance	2,523	3,511	10,284	12,631	15,584	16,276	11,402	3,394	659	614	422	1,193
60% Exceedance	2,034	2,853	7,380	11,289	13,671	14,721	9,129	2,258	633	605	411	115
70% Exceedance	1,631	2,198	5,982	8,471	12,553	13,032	7,501	1,625	625	583	392	100
80% Exceedance	1,153	1,641	4,367	7,660	9,236	10,874	6,698	1,065	607	564	376	94
90% Exceedance	757	1,165	3,220	5,670	7,588	7,049	5,105	627	493	534	362	87
Full Simulation Period Average[a]	2,842	5,059	10,662	13,668	15,799	15,552	12,062	5,128	1,719	671	501	1,217
Wet Water Years (28%)	3,449	6,314	10,884	19,796	20,946	19,622	17,461	9,544	3,362	862	703	2,395
Above Normal Water Years (14%)	3,263	4,890	11,120	17,158	19,222	18,587	15,138	6,022	1,794	630	502	1,671
Below Normal Water Years (18%)	2,695	5,302	12,179	13,280	13,760	14,833	11,735	3,607	1,120	621	439	1,000
Dry Water Years (24%)	3,191	5,184	10,412	9,142	13,578	13,661	8,918	2,949	901	600	408	366
Critical Water Years (16%)	903	2,391	8,371	7,118	9,420	9,422	5,009	1,598	682	533	357	276

Table F.2.2-7-8b. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,435	9,049	19,140	21,779	22,378	20,547	18,075	8,703	7,220	9,370	7,720	7,650
20% Exceedance	6,517	7,314	16,708	19,156	20,463	17,761	15,672	6,952	6,456	8,998	6,867	6,984
30% Exceedance	6,005	6,370	11,714	14,325	18,645	16,152	11,047	5,364	5,590	8,635	6,034	6,070
40% Exceedance	5,610	6,156	10,163	12,638	15,109	13,452	8,892	5,247	5,037	7,925	5,324	4,534
50% Exceedance	4,557	5,679	8,022	10,314	12,843	12,026	7,959	4,790	4,691	6,835	5,000	4,297
60% Exceedance	4,105	5,184	6,159	8,331	10,844	10,551	7,271	4,502	4,500	6,163	4,666	4,000
70% Exceedance	3,636	4,497	5,659	7,099	9,941	9,013	6,451	4,034	4,500	5,370	4,500	3,418
80% Exceedance	3,319	3,990	4,706	5,973	7,795	7,705	5,688	3,730	4,000	4,842	4,125	3,279
90% Exceedance	3,250	3,274	4,017	4,977	6,584	5,886	5,104	3,250	3,325	4,238	3,250	3,250
Full Simulation Period Average[a]	5,190	6,249	9,851	12,103	14,206	12,942	9,821	5,811	5,178	6,909	5,331	5,021
Wet Water Years (28%)	6,726	7,638	10,441	18,771	19,923	17,993	14,470	7,489	5,533	7,346	5,860	7,100
Above Normal Water Years (14%)	6,259	7,254	9,767	15,320	18,025	16,224	11,800	6,483	5,017	8,591	6,350	6,754
Below Normal Water Years (18%)	4,982	6,083	11,296	10,915	11,633	11,289	8,819	6,180	4,979	7,111	5,746	4,078
Dry Water Years (24%)	4,179	5,576	10,015	7,287	11,282	10,118	7,036	4,459	5,250	6,212	4,657	3,628
Critical Water Years (16%)	3,124	3,928	6,834	6,179	8,139	7,329	5,261	3,899	4,816	5,493	4,057	3,015

Table F.2.2-7-8c. Sacramento River at Wilkins Slough Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,570	-1,830	-606	-722	-152	-565	-1,228	-4,186	3,203	8,695	7,005	4,808
20% Exceedance	2,605	-299	-1,623	-389	-457	-1,744	-2,742	-2,023	3,466	8,343	6,399	4,763
30% Exceedance	2,749	458	-1,446	-2,973	-934	-2,404	-6,783	-1,357	4,286	7,992	5,586	4,188
40% Exceedance	2,716	2,088	-1,684	-2,679	-3,605	-3,628	-4,209	961	4,326	7,299	4,889	2,868
50% Exceedance	2,035	2,168	-2,261	-2,317	-2,741	-4,249	-3,443	1,395	4,032	6,221	4,578	3,104
60% Exceedance	2,071	2,331	-1,222	-2,957	-2,826	-4,169	-1,858	2,243	3,867	5,558	4,256	3,886
70% Exceedance	2,005	2,299	-323	-1,372	-2,612	-4,019	-1,050	2,410	3,875	4,787	4,108	3,319
80% Exceedance	2,165	2,348	339	-1,687	-1,441	-3,169	-1,010	2,665	3,393	4,278	3,749	3,185
90% Exceedance	2,493	2,109	797	-693	-1,004	-1,162	0	2,623	2,832	3,705	2,888	3,163
Full Simulation Period Average[a]	2,349	1,191	-812	-1,565	-1,593	-2,610	-2,241	683	3,459	6,239	4,830	3,804
Wet Water Years (28%)	3,277	1,325	-443	-1,025	-1,023	-1,629	-2,992	-2,055	2,170	6,484	5,157	4,704
Above Normal Water Years (14%)	2,995	2,364	-1,352	-1,838	-1,197	-2,364	-3,337	461	3,223	7,961	5,848	5,082
Below Normal Water Years (18%)	2,287	780	-883	-2,364	-2,127	-3,544	-2,916	2,574	3,859	6,490	5,307	3,078
Dry Water Years (24%)	988	392	-397	-1,855	-2,296	-3,542	-1,882	1,510	4,349	5,611	4,249	3,262
Critical Water Years (16%)	2,221	1,537	-1,538	-939	-1,282	-2,093	252	2,301	4,133	4,960	3,701	2,739

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-9a. Sacramento River at Wilkins Slough Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,865	10,878	19,746	22,501	22,529	21,112	19,303	12,889	4,017	675	715	2,841
20% Exceedance	3,912	7,612	18,332	19,544	20,919	19,505	18,414	8,974	2,990	655	468	2,221
30% Exceedance	3,256	5,912	13,160	17,298	19,579	18,556	17,830	6,721	1,304	643	448	1,882
40% Exceedance	2,894	4,068	11,847	15,318	18,714	17,080	13,101	4,286	711	626	435	1,666
50% Exceedance	2,523	3,511	10,284	12,631	15,584	16,276	11,402	3,394	659	614	422	1,193
60% Exceedance	2,034	2,853	7,380	11,289	13,671	14,721	9,129	2,258	633	605	411	115
70% Exceedance	1,631	2,198	5,982	8,471	12,553	13,032	7,501	1,625	625	583	392	100
80% Exceedance	1,153	1,641	4,367	7,660	9,236	10,874	6,698	1,065	607	564	376	94
90% Exceedance	757	1,165	3,220	5,670	7,588	7,049	5,105	627	493	534	362	87
Full Simulation Period Average[a]	2,842	5,059	10,662	13,668	15,799	15,552	12,062	5,128	1,719	671	501	1,217
Wet Water Years (28%)	3,449	6,314	10,884	19,796	20,946	19,622	17,461	9,544	3,362	862	703	2,395
Above Normal Water Years (14%)	3,263	4,890	11,120	17,158	19,222	18,587	15,138	6,022	1,794	630	502	1,671
Below Normal Water Years (18%)	2,695	5,302	12,179	13,280	13,760	14,833	11,735	3,607	1,120	621	439	1,000
Dry Water Years (24%)	3,191	5,184	10,412	9,142	13,578	13,661	8,918	2,949	901	600	408	366
Critical Water Years (16%)	903	2,391	8,371	7,118	9,420	9,422	5,009	1,598	682	533	357	276

Table F.2.2-7-9b. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,478	8,634	19,092	21,778	22,377	20,548	17,791	8,641	7,203	9,379	7,729	7,644
20% Exceedance	6,623	6,919	16,283	19,152	20,461	17,783	14,898	6,917	6,479	8,876	6,597	6,834
30% Exceedance	5,972	6,323	11,774	14,334	18,642	16,208	10,825	5,342	5,900	8,562	6,120	6,147
40% Exceedance	5,386	6,119	10,149	12,622	14,968	13,453	8,680	4,770	5,476	7,452	5,162	4,503
50% Exceedance	4,501	5,485	8,060	10,341	12,851	12,035	7,415	4,500	4,911	6,695	4,828	4,500
60% Exceedance	4,029	5,010	6,212	8,565	10,845	10,638	6,830	4,152	4,500	5,649	4,500	4,000
70% Exceedance	3,527	4,500	5,582	7,183	9,942	8,974	6,318	4,000	4,500	4,971	4,500	3,400
80% Exceedance	3,325	3,991	4,736	6,035	7,531	7,706	5,565	3,378	4,000	4,514	3,990	3,250
90% Exceedance	3,250	3,378	4,133	5,221	6,343	5,666	4,308	3,250	3,393	3,498	3,318	3,250
Full Simulation Period Average[a]	5,182	6,185	9,829	12,221	14,146	12,883	9,455	5,612	5,292	6,658	5,270	5,048
Wet Water Years (28%)	6,766	7,552	10,467	18,791	19,923	17,999	14,438	7,471	5,579	7,322	5,813	7,069
Above Normal Water Years (14%)	6,289	7,037	9,740	15,327	18,024	16,308	11,138	6,017	5,469	8,454	6,345	6,687
Below Normal Water Years (18%)	4,738	6,103	11,232	10,935	11,571	11,292	8,244	5,867	5,317	7,087	5,845	4,050
Dry Water Years (24%)	4,154	5,398	9,909	7,397	11,197	10,145	7,057	4,505	5,326	6,000	4,524	3,661
Critical Water Years (16%)	3,295	4,143	6,919	6,691	7,965	6,829	4,223	3,380	4,557	4,429	3,854	3,281

Table F.2.2-7-9c. Sacramento River at Wilkins Slough Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,613	-2,245	-654	-723	-153	-564	-1,512	-4,249	3,186	8,703	7,014	4,803
20% Exceedance	2,711	-693	-2,049	-392	-458	-1,721	-3,516	-2,057	3,489	8,221	6,130	4,613
30% Exceedance	2,716	411	-1,386	-2,963	-937	-2,348	-7,005	-1,378	4,596	7,919	5,672	4,265
40% Exceedance	2,491	2,051	-1,698	-2,696	-3,746	-3,627	-4,420	484	4,765	6,826	4,728	2,837
50% Exceedance	1,978	1,975	-2,224	-2,290	-2,733	-4,240	-3,987	1,106	4,252	6,081	4,406	3,307
60% Exceedance	1,995	2,158	-1,169	-2,724	-2,826	-4,083	-2,299	1,894	3,867	5,045	4,089	3,885
70% Exceedance	1,896	2,302	-400	-1,288	-2,611	-4,058	-1,182	2,375	3,875	4,388	4,108	3,300
80% Exceedance	2,172	2,349	369	-1,625	-1,704	-3,169	-1,133	2,313	3,393	3,950	3,614	3,156
90% Exceedance	2,493	2,214	913	-449	-1,244	-1,382	-796	2,623	2,900	2,964	2,955	3,163
Full Simulation Period Average[a]	2,340	1,127	-833	-1,447	-1,653	-2,670	-2,607	485	3,573	5,987	4,769	3,831
Wet Water Years (28%)	3,317	1,238	-417	-1,006	-1,023	-1,623	-3,023	-2,073	2,217	6,460	5,110	4,673
Above Normal Water Years (14%)	3,026	2,146	-1,380	-1,831	-1,198	-2,279	-4,000	-5	3,675	7,823	5,843	5,016
Below Normal Water Years (18%)	2,043	801	-947	-2,344	-2,189	-3,541	-3,491	2,261	4,197	6,467	5,406	3,050
Dry Water Years (24%)	963	214	-503	-1,744	-2,381	-3,516	-1,861	1,556	4,425	5,400	4,116	3,295
Critical Water Years (16%)	2,391	1,751	-1,452	-427	-1,455	-2,594	-786	1,782	3,875	3,896	3,497	3,005

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-7-10a. Sacramento River at Wilkins Slough Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,865	10,878	19,746	22,501	22,529	21,112	19,303	12,889	4,017	675	715	2,841
20% Exceedance	3,912	7,612	18,332	19,544	20,919	19,505	18,414	8,974	2,990	655	468	2,221
30% Exceedance	3,256	5,912	13,160	17,298	19,579	18,556	17,830	6,721	1,304	643	448	1,882
40% Exceedance	2,894	4,068	11,847	15,318	18,714	17,080	13,101	4,286	711	626	435	1,666
50% Exceedance	2,523	3,511	10,284	12,631	15,584	16,276	11,402	3,394	659	614	422	1,193
60% Exceedance	2,034	2,853	7,380	11,289	13,671	14,721	9,129	2,258	633	605	411	115
70% Exceedance	1,631	2,198	5,982	8,471	12,553	13,032	7,501	1,625	625	583	392	100
80% Exceedance	1,153	1,641	4,367	7,660	9,236	10,874	6,698	1,065	607	564	376	94
90% Exceedance	757	1,165	3,220	5,670	7,588	7,049	5,105	627	493	534	362	87
Full Simulation Period Average[a]	2,842	5,059	10,662	13,668	15,799	15,552	12,062	5,128	1,719	671	501	1,217
Wet Water Years (28%)	3,449	6,314	10,884	19,796	20,946	19,622	17,461	9,544	3,362	862	703	2,395
Above Normal Water Years (14%)	3,263	4,890	11,120	17,158	19,222	18,587	15,138	6,022	1,794	630	502	1,671
Below Normal Water Years (18%)	2,695	5,302	12,179	13,280	13,760	14,833	11,735	3,607	1,120	621	439	1,000
Dry Water Years (24%)	3,191	5,184	10,412	9,142	13,578	13,661	8,918	2,949	901	600	408	366
Critical Water Years (16%)	903	2,391	8,371	7,118	9,420	9,422	5,009	1,598	682	533	357	276

Table F.2.2-7-10b. Sacramento River at Wilkins Slough Flow, NAA, 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

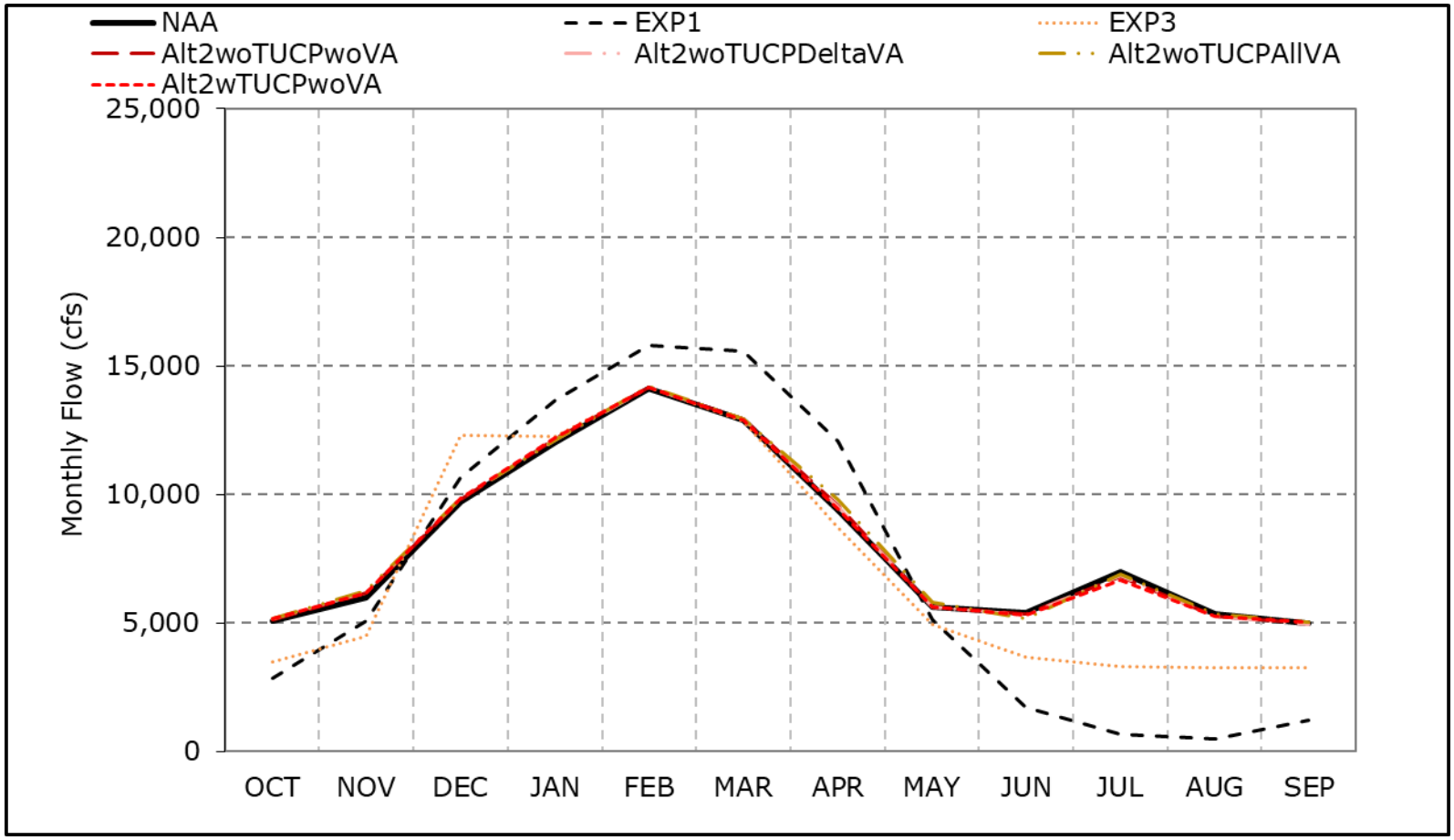
Table F.2.2-7-10c. Sacramento River at Wilkins Slough Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,400	-2,317	-653	-737	-156	-569	-1,530	-4,259	3,474	8,863	7,257	4,964
20% Exceedance	2,628	-1,011	-2,189	-395	-457	-1,724	-3,385	-2,341	3,908	8,382	6,553	4,489
30% Exceedance	2,471	367	-1,470	-2,965	-937	-2,282	-7,172	-1,251	4,581	8,128	5,710	4,411
40% Exceedance	2,521	1,713	-1,720	-2,883	-4,267	-3,673	-4,473	481	4,990	7,340	5,009	3,490
50% Exceedance	1,986	1,952	-2,354	-2,335	-2,766	-4,233	-4,068	1,106	4,417	6,574	4,411	2,807
60% Exceedance	1,966	2,129	-1,227	-3,220	-2,745	-4,139	-2,389	2,201	3,867	5,994	4,089	3,285
70% Exceedance	1,769	2,295	-625	-1,464	-2,585	-4,296	-1,350	2,375	3,875	4,824	4,094	3,300
80% Exceedance	2,172	2,082	210	-1,823	-1,273	-3,158	-1,660	2,305	3,380	4,101	3,657	3,156
90% Exceedance	2,493	2,085	244	-667	-1,299	-1,466	-791	2,623	2,757	3,376	2,963	3,163
Full Simulation Period Average[a]	2,240	919	-967	-1,619	-1,658	-2,676	-2,683	501	3,691	6,340	4,868	3,773
Wet Water Years (28%)	3,297	1,154	-487	-1,091	-1,029	-1,626	-3,025	-2,128	2,245	6,683	5,222	4,809
Above Normal Water Years (14%)	2,697	2,148	-1,451	-1,874	-1,194	-2,306	-4,007	3	3,695	8,165	6,021	4,910
Below Normal Water Years (18%)	2,179	370	-1,083	-2,428	-2,297	-3,624	-3,583	2,263	4,179	6,839	5,587	2,788
Dry Water Years (24%)	922	191	-772	-2,003	-2,459	-3,593	-1,925	1,727	4,731	5,900	4,094	3,226
Critical Water Years (16%)	1,991	1,073	-1,551	-833	-1,244	-2,397	-1,052	1,720	4,108	4,243	3,592	2,892

[a] Based on the 100-year simulation period.

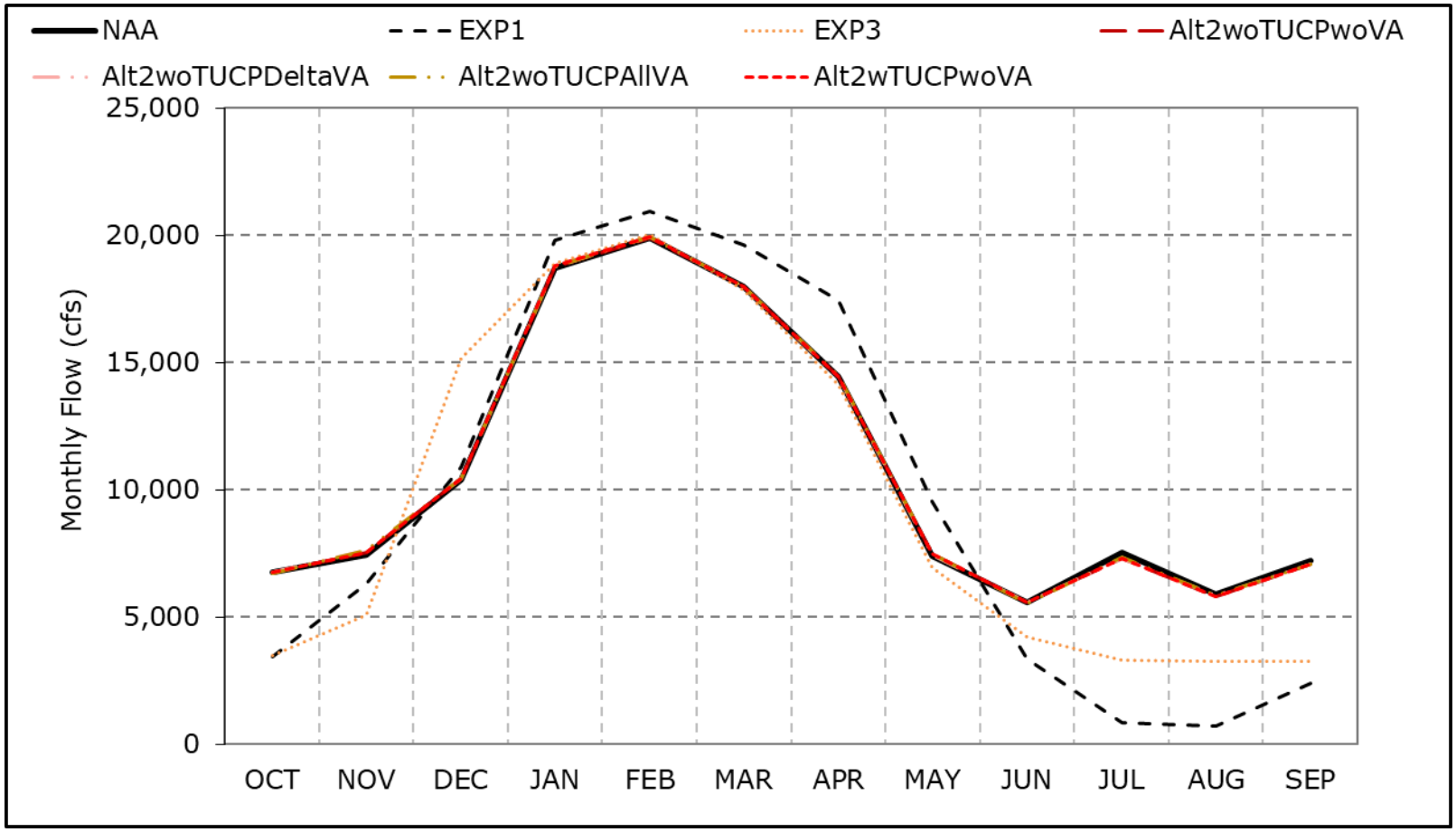
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



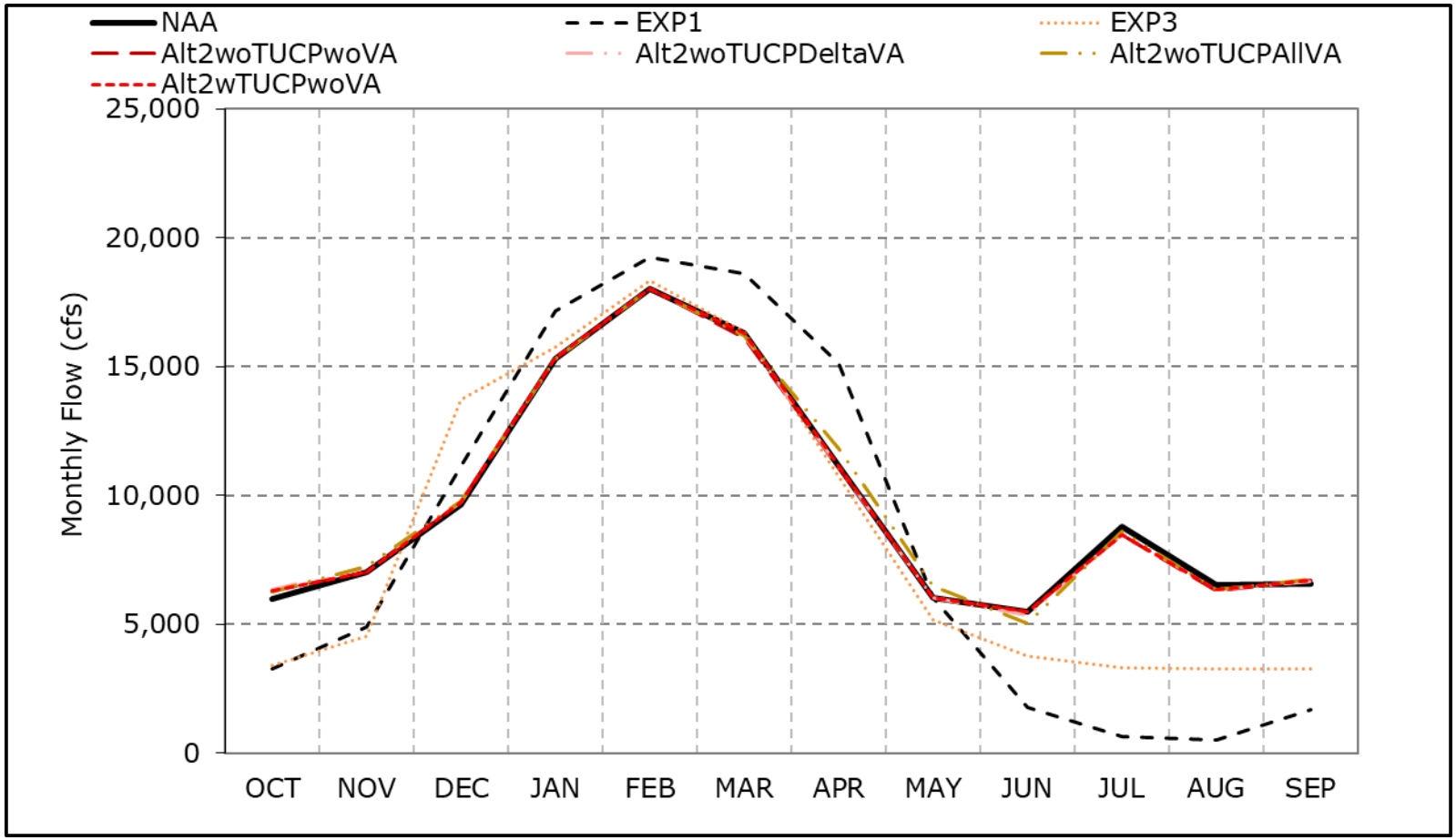
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



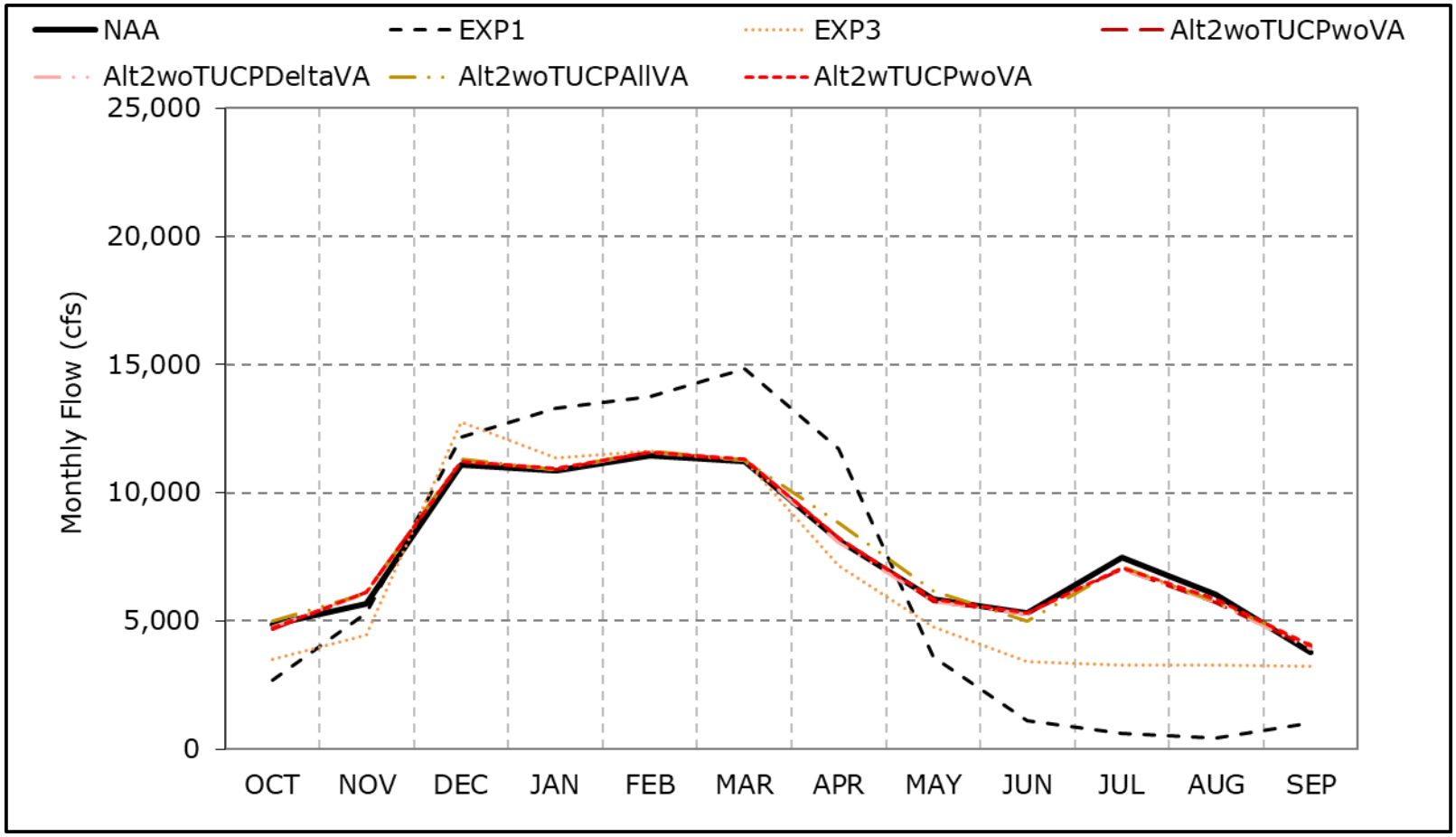
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



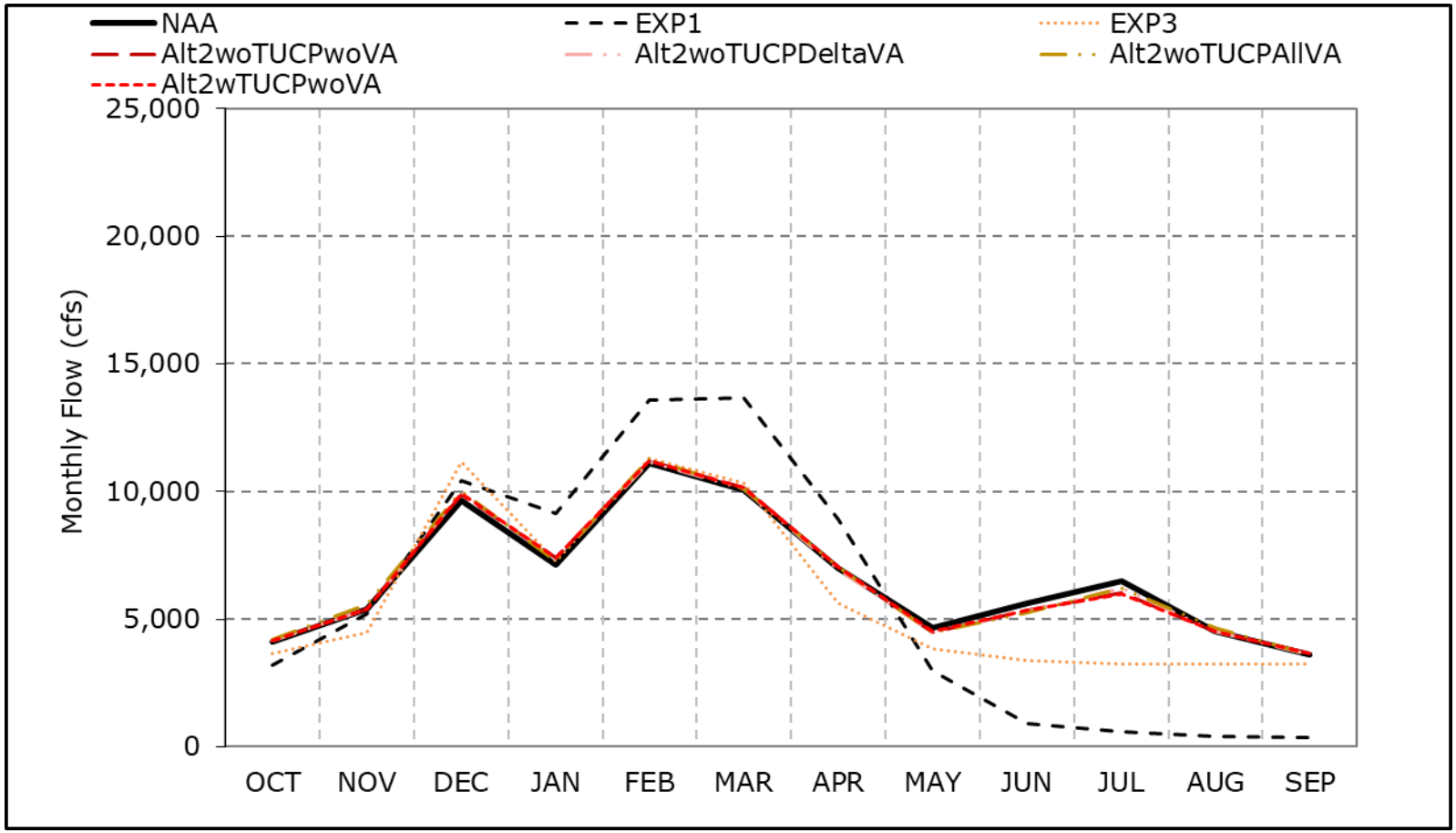
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



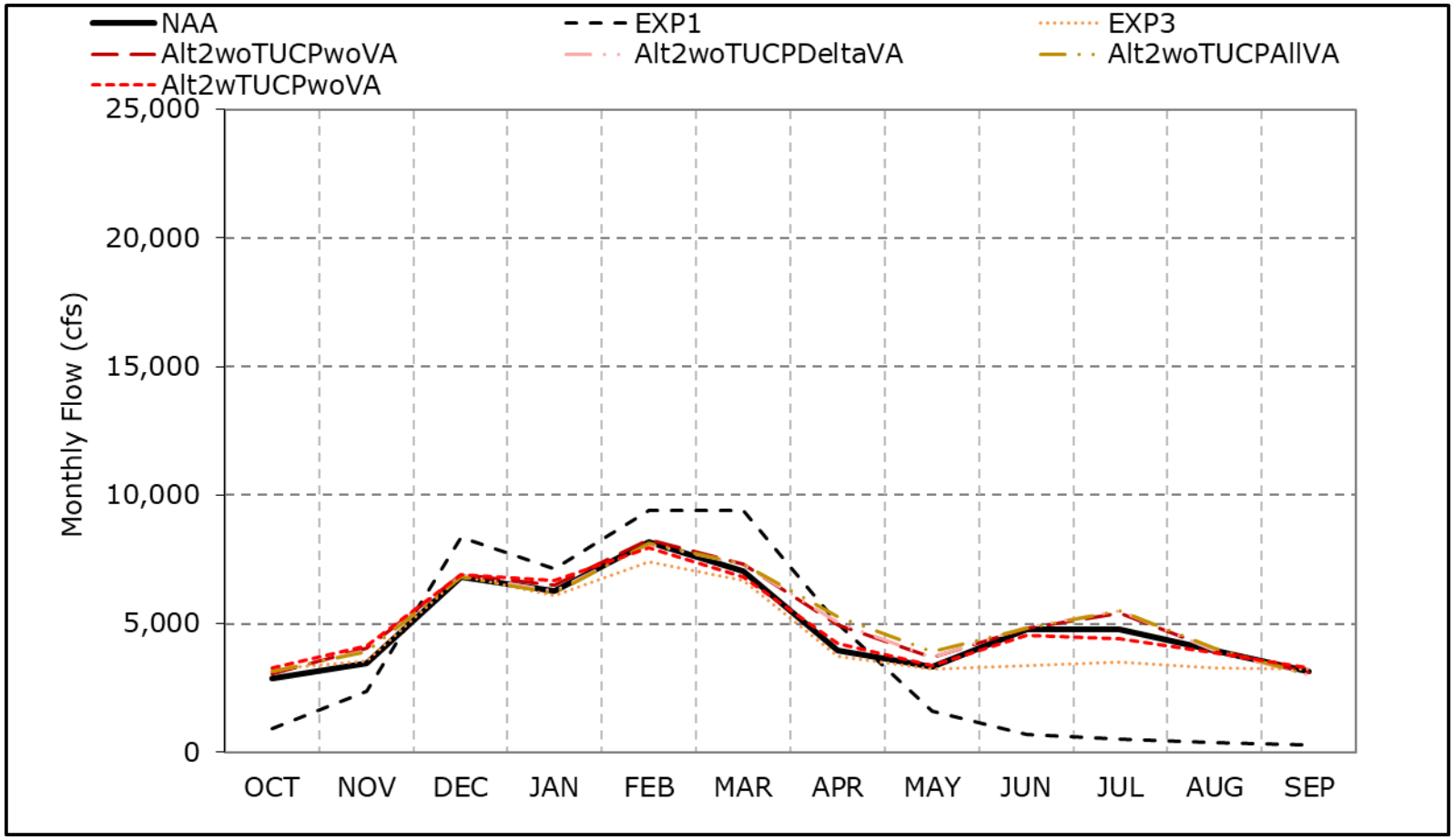
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



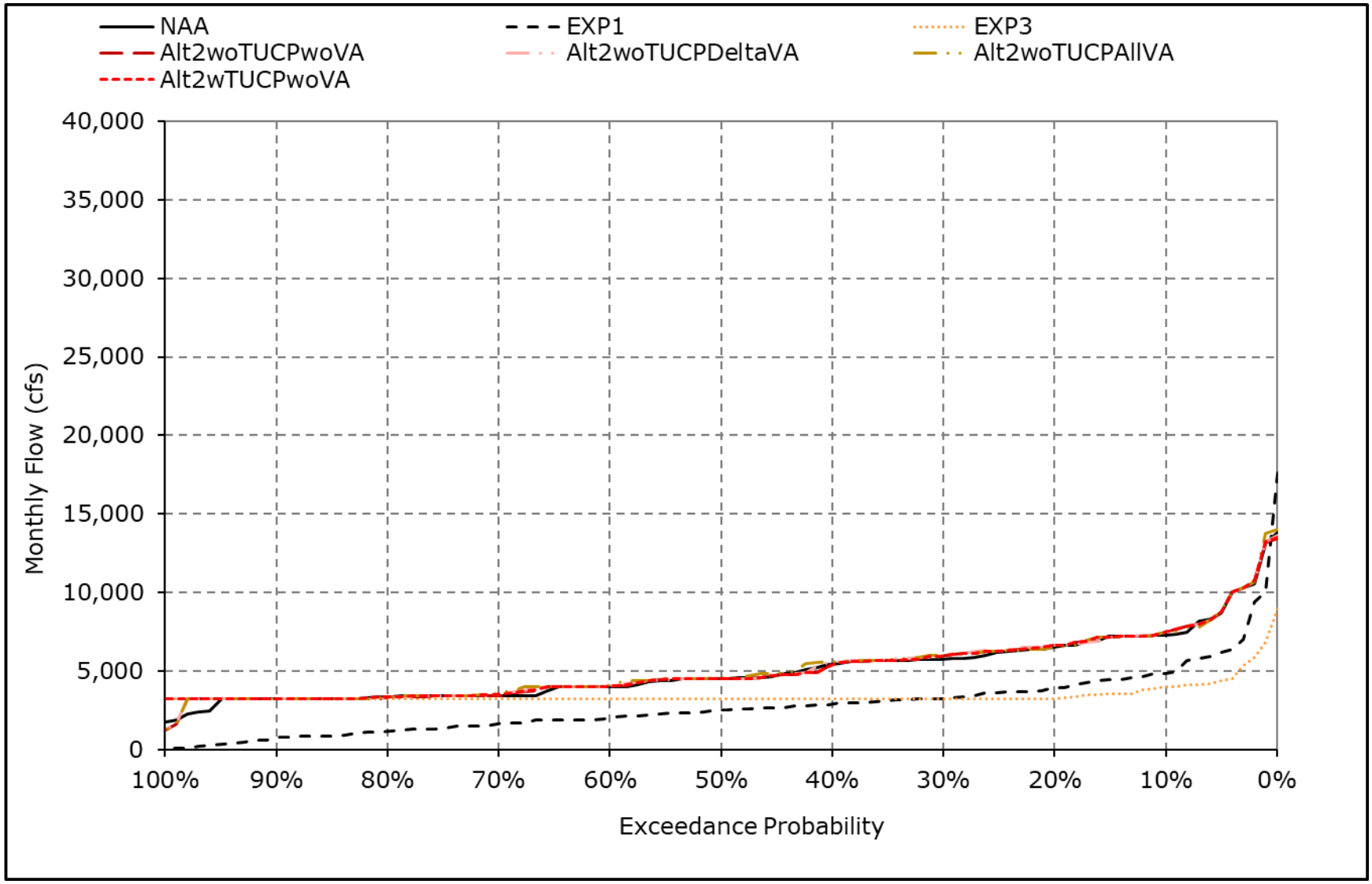
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



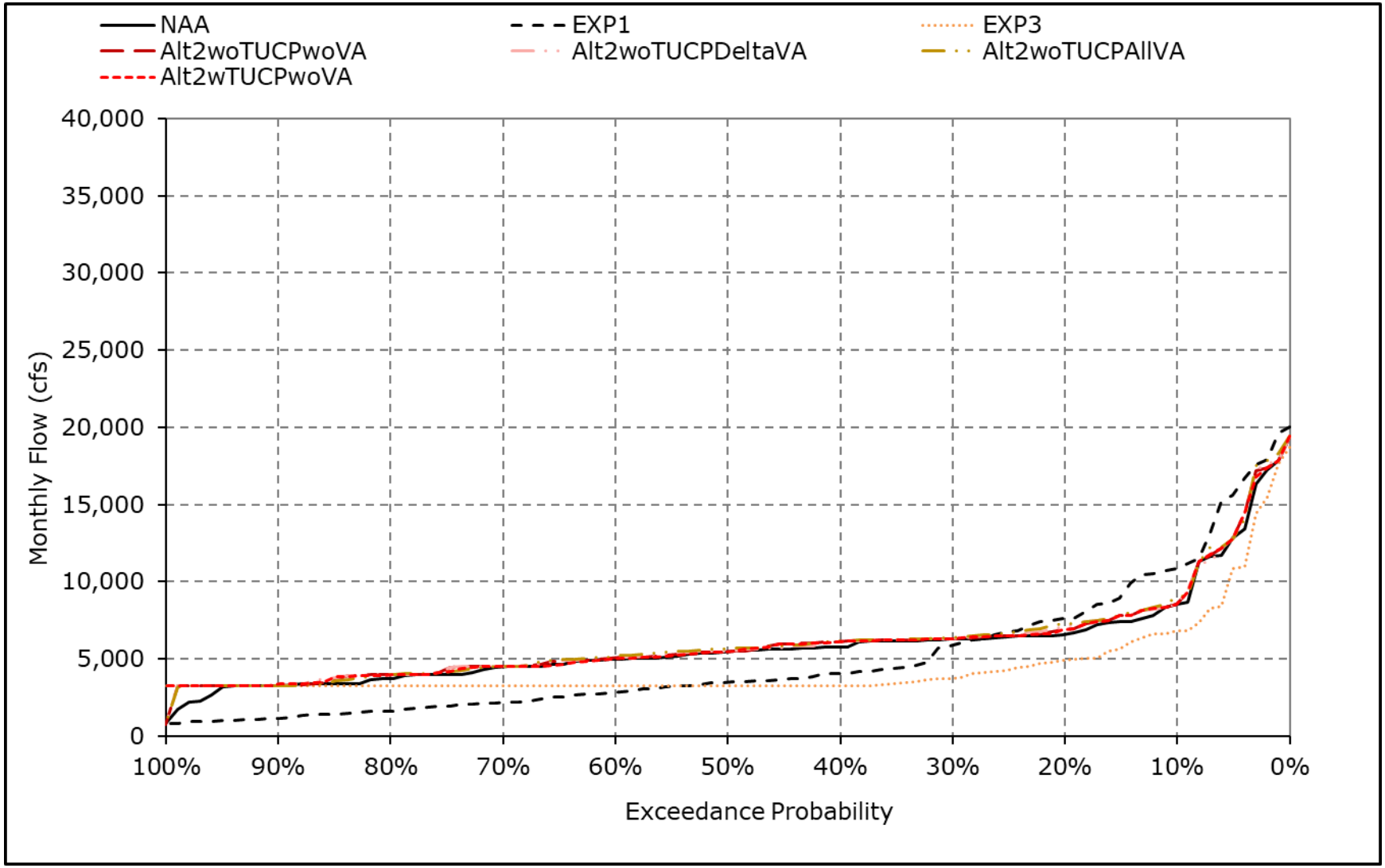
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



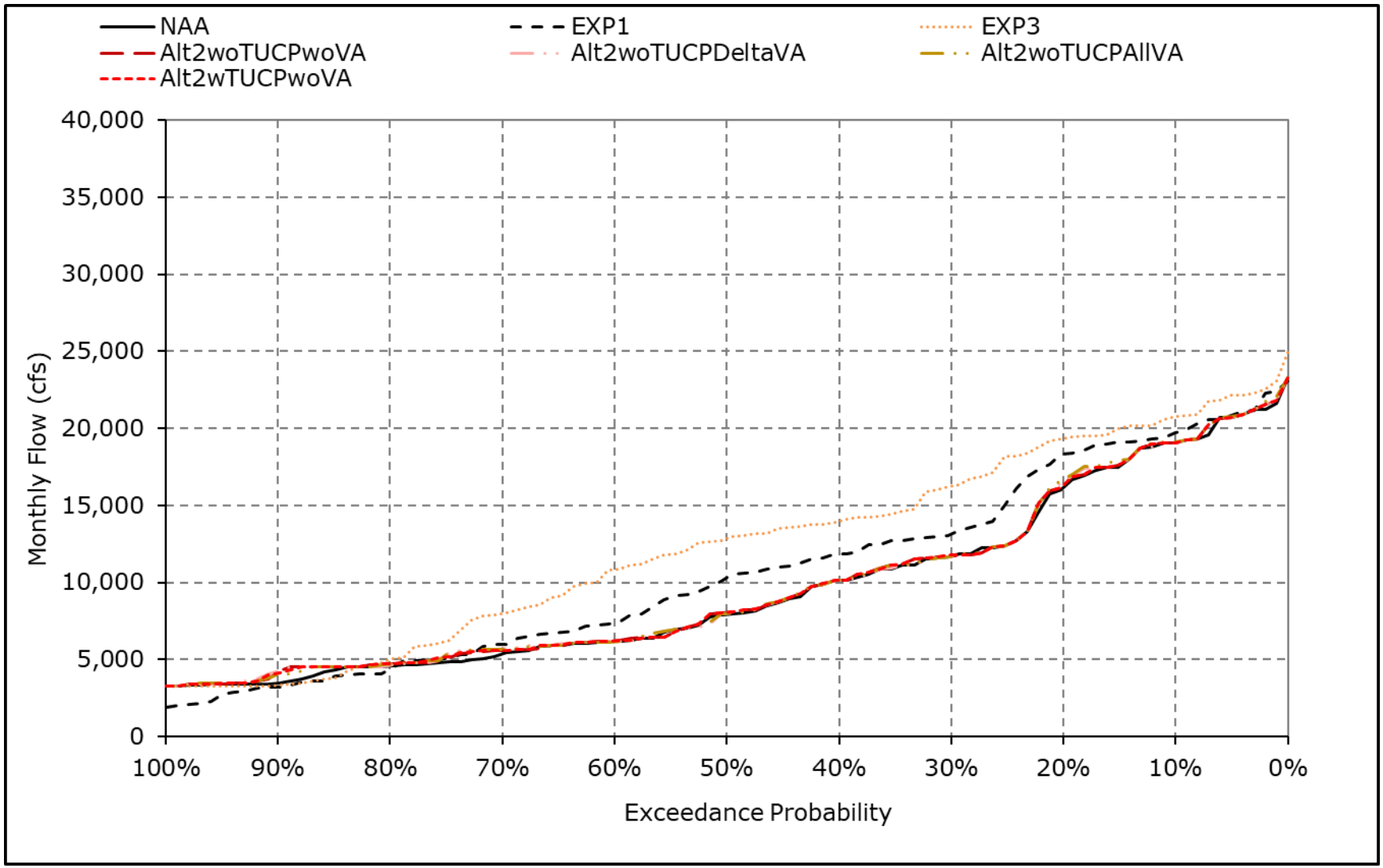
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



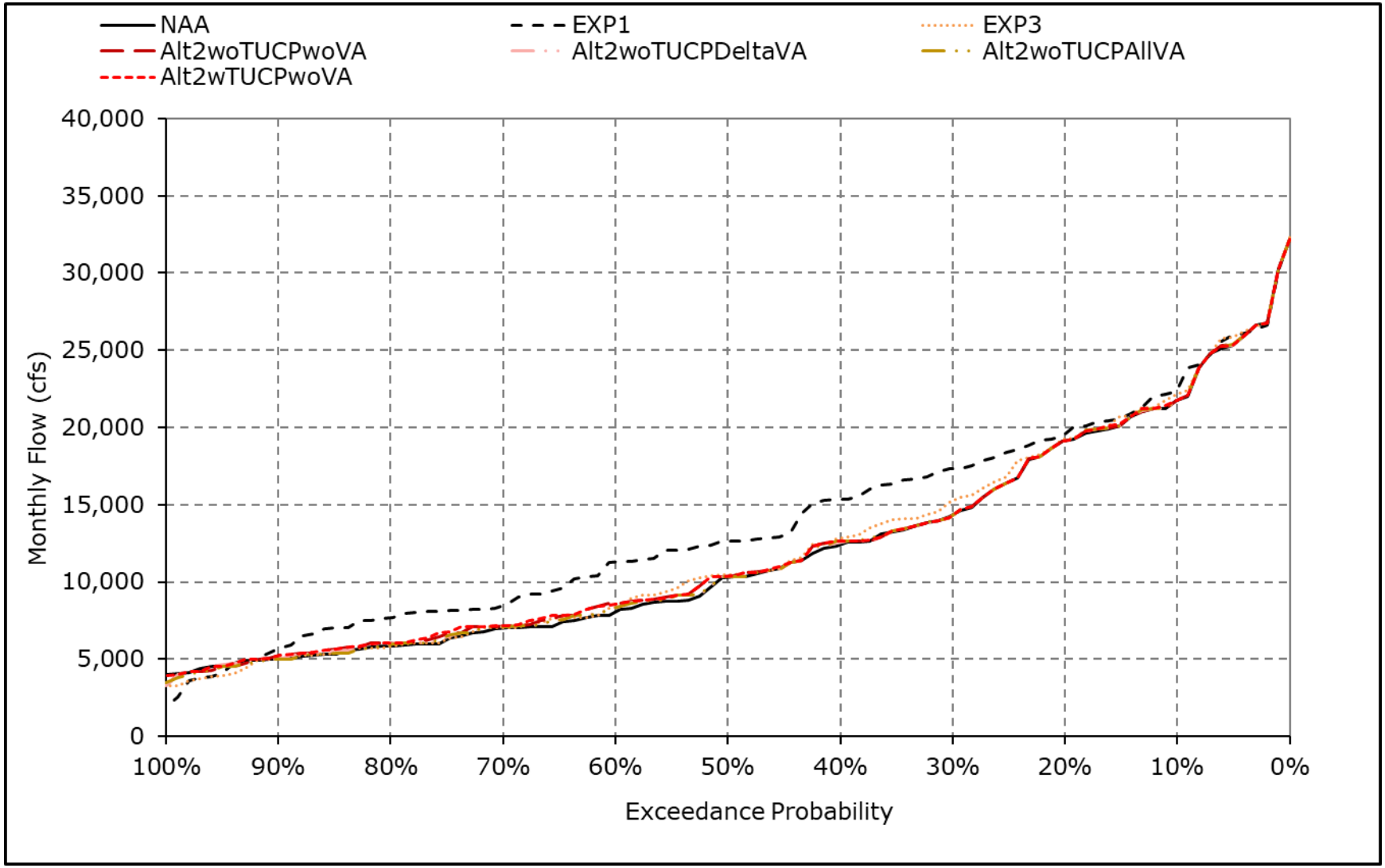
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



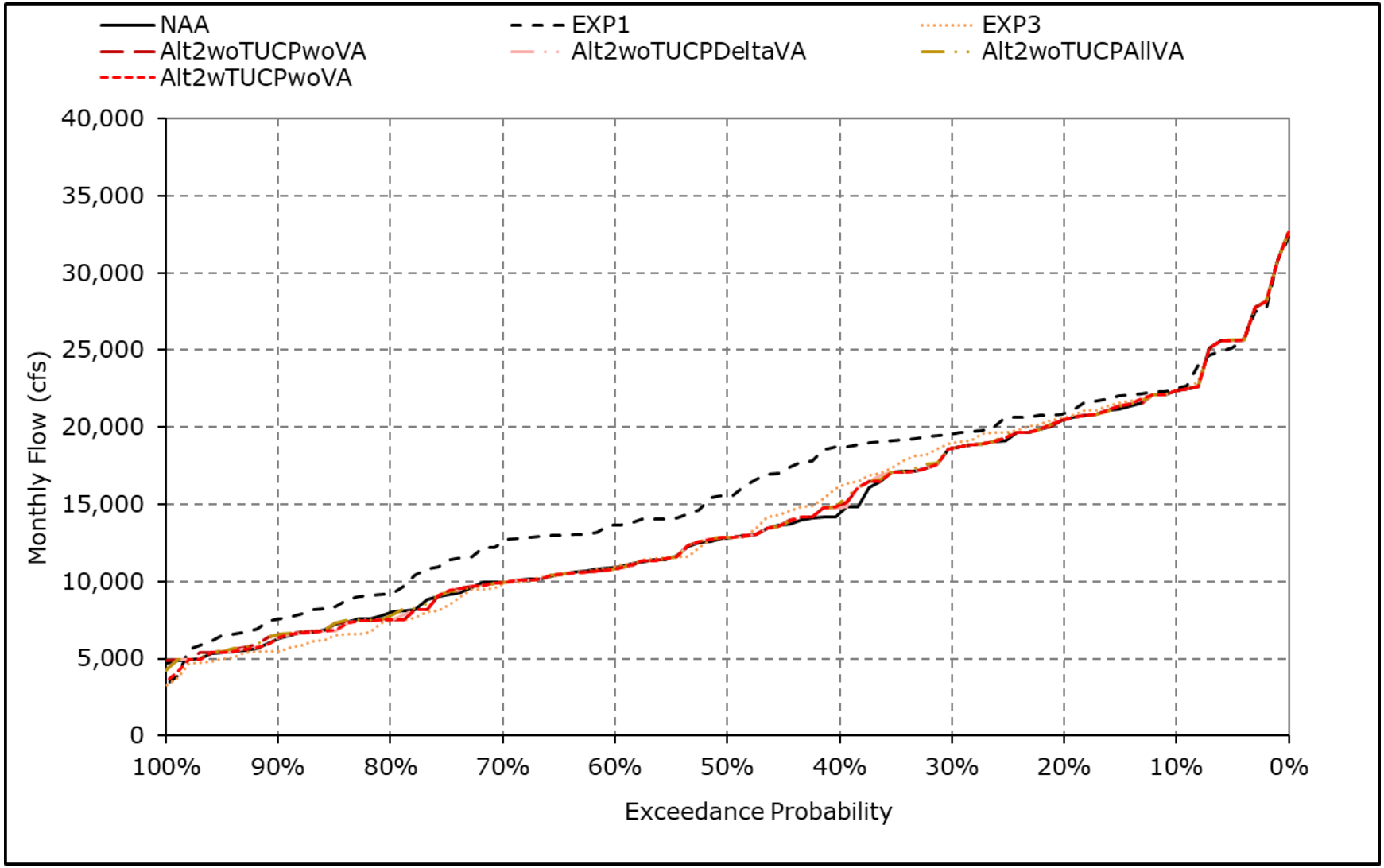
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



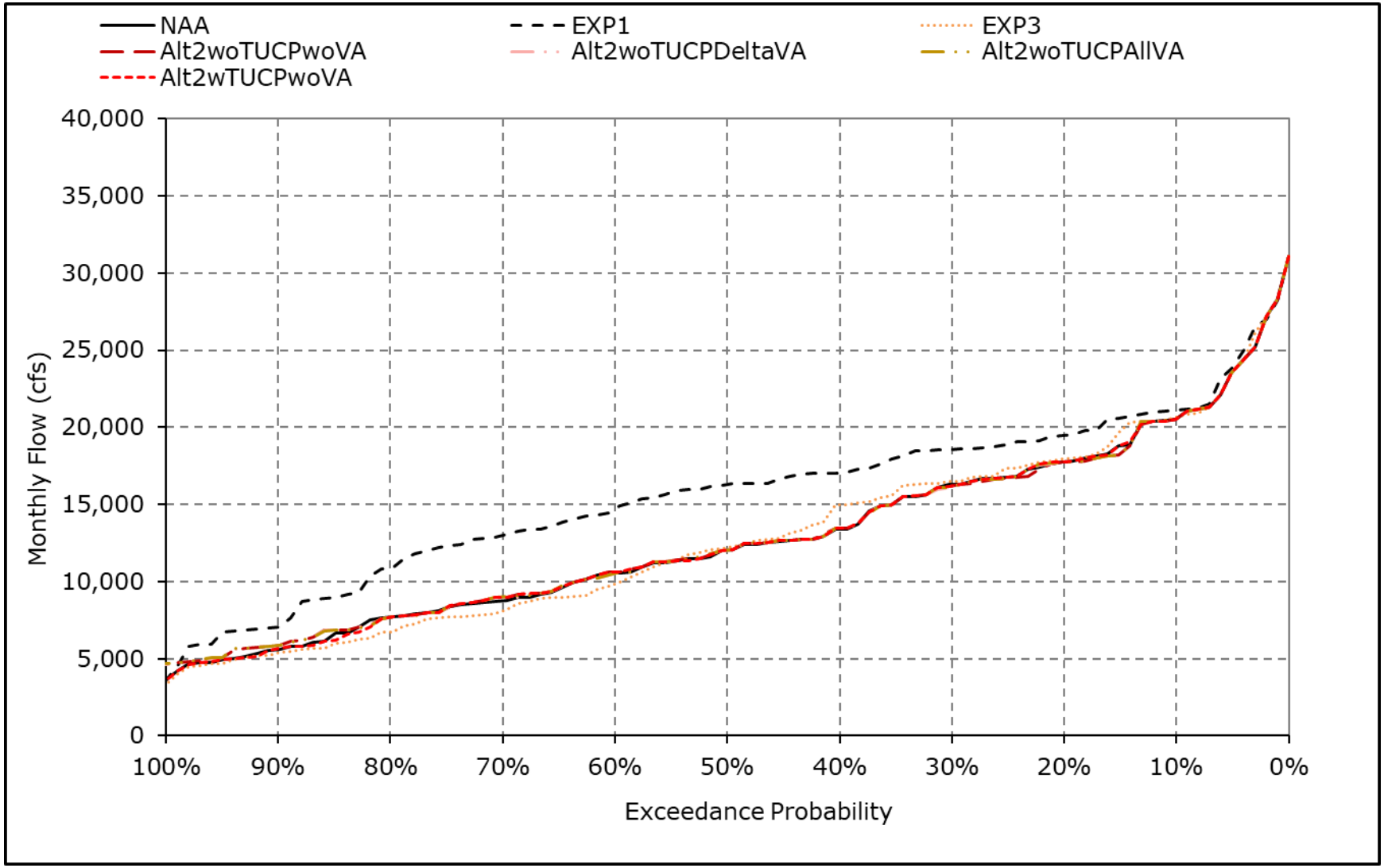
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



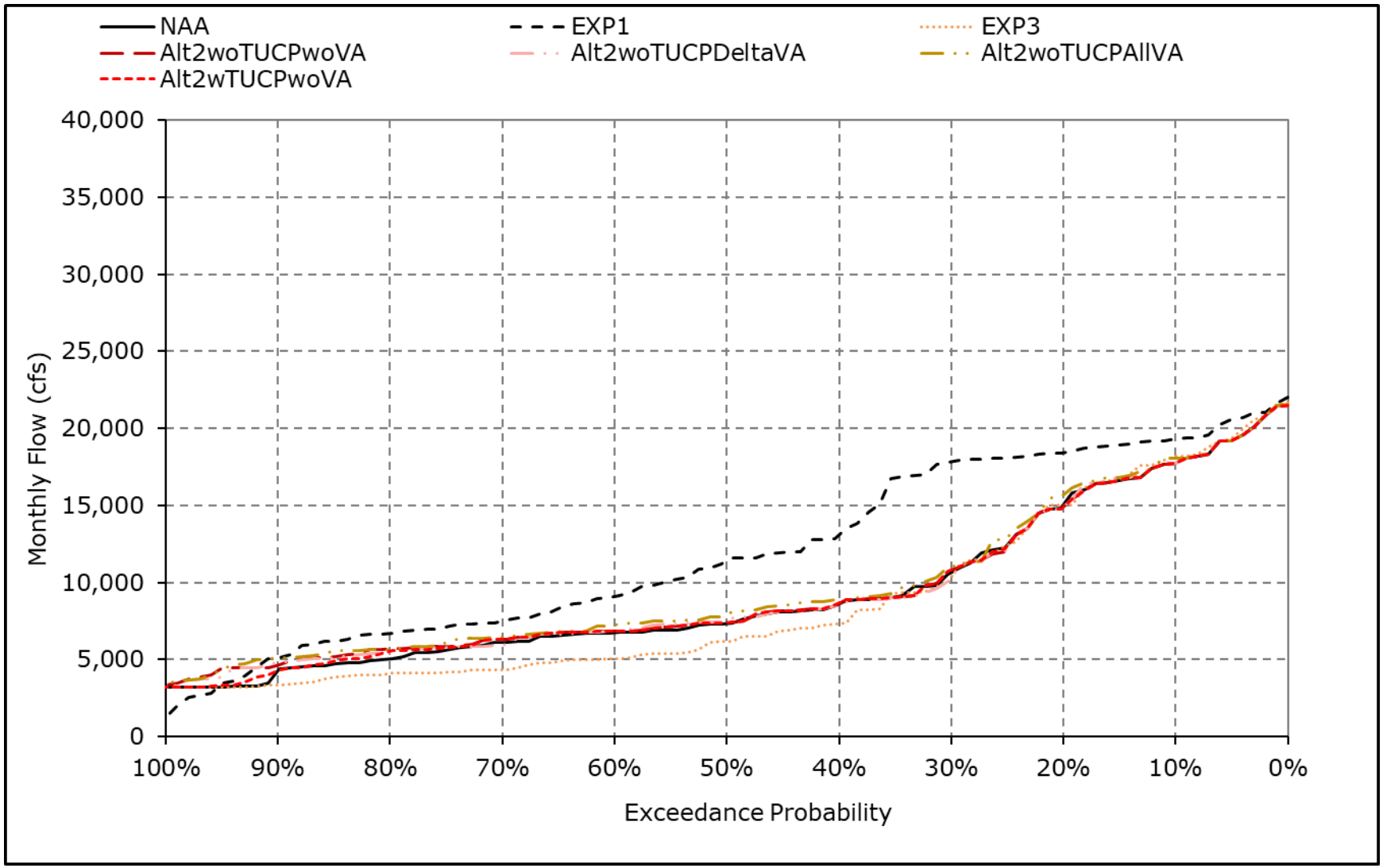
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



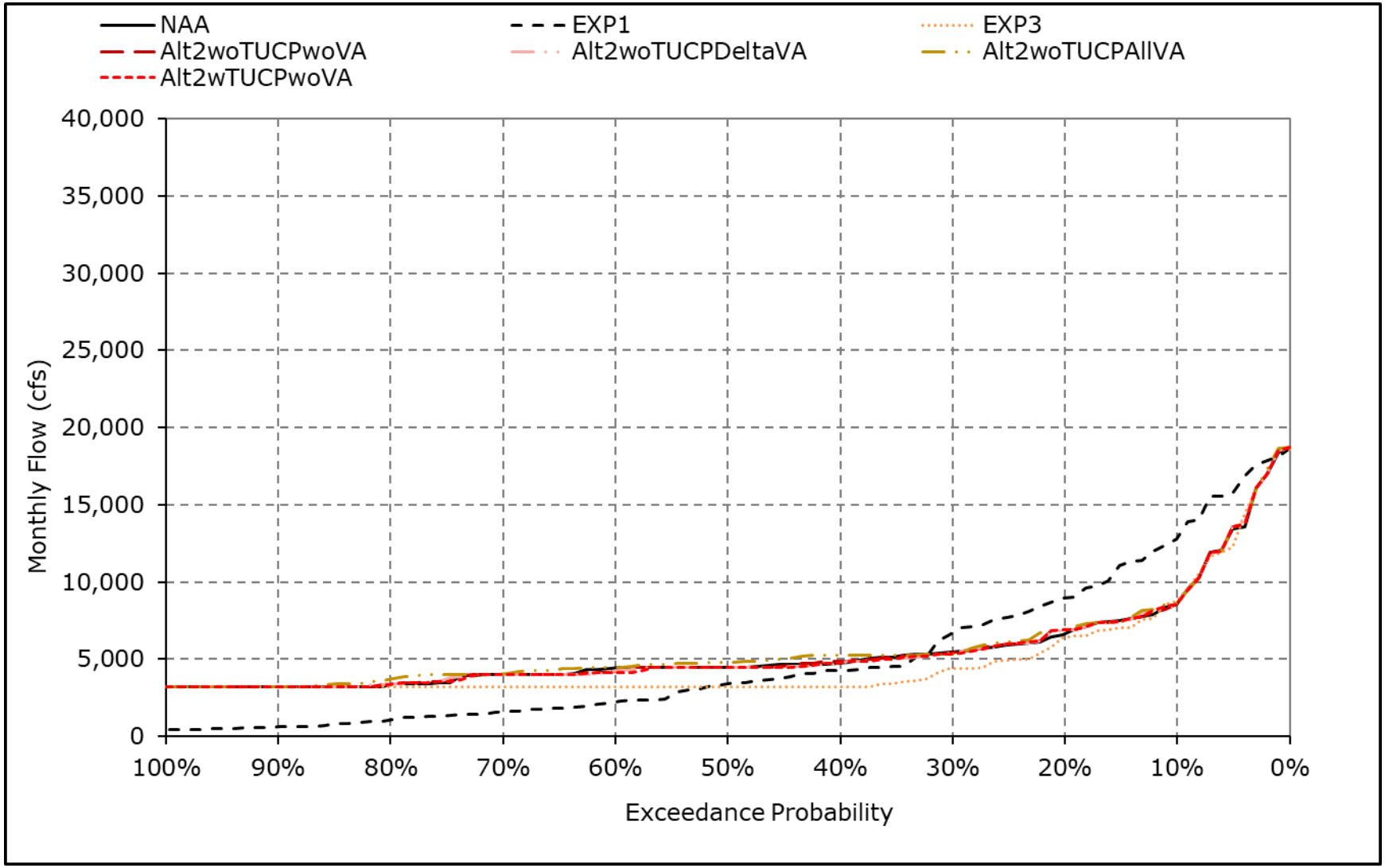
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



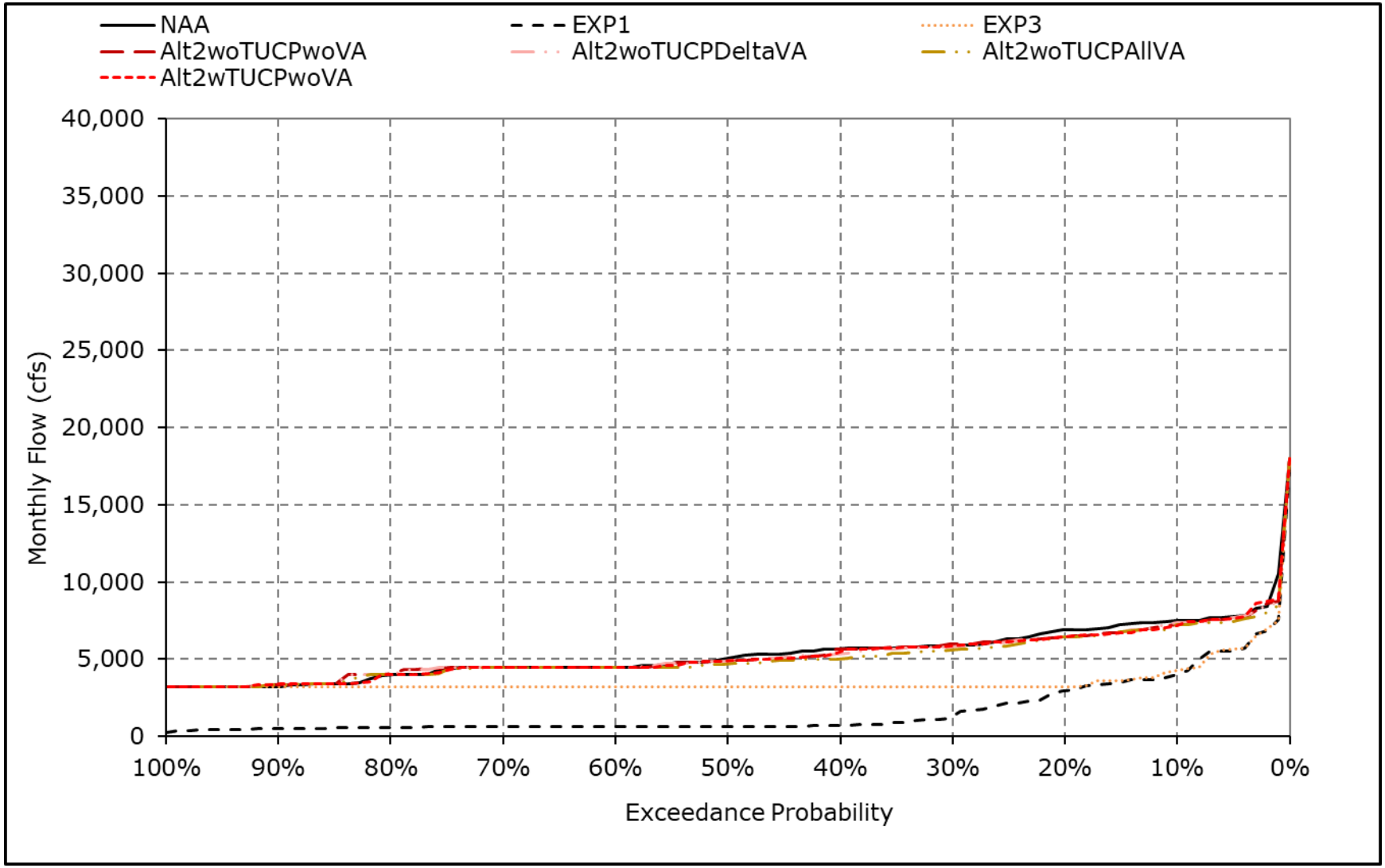
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



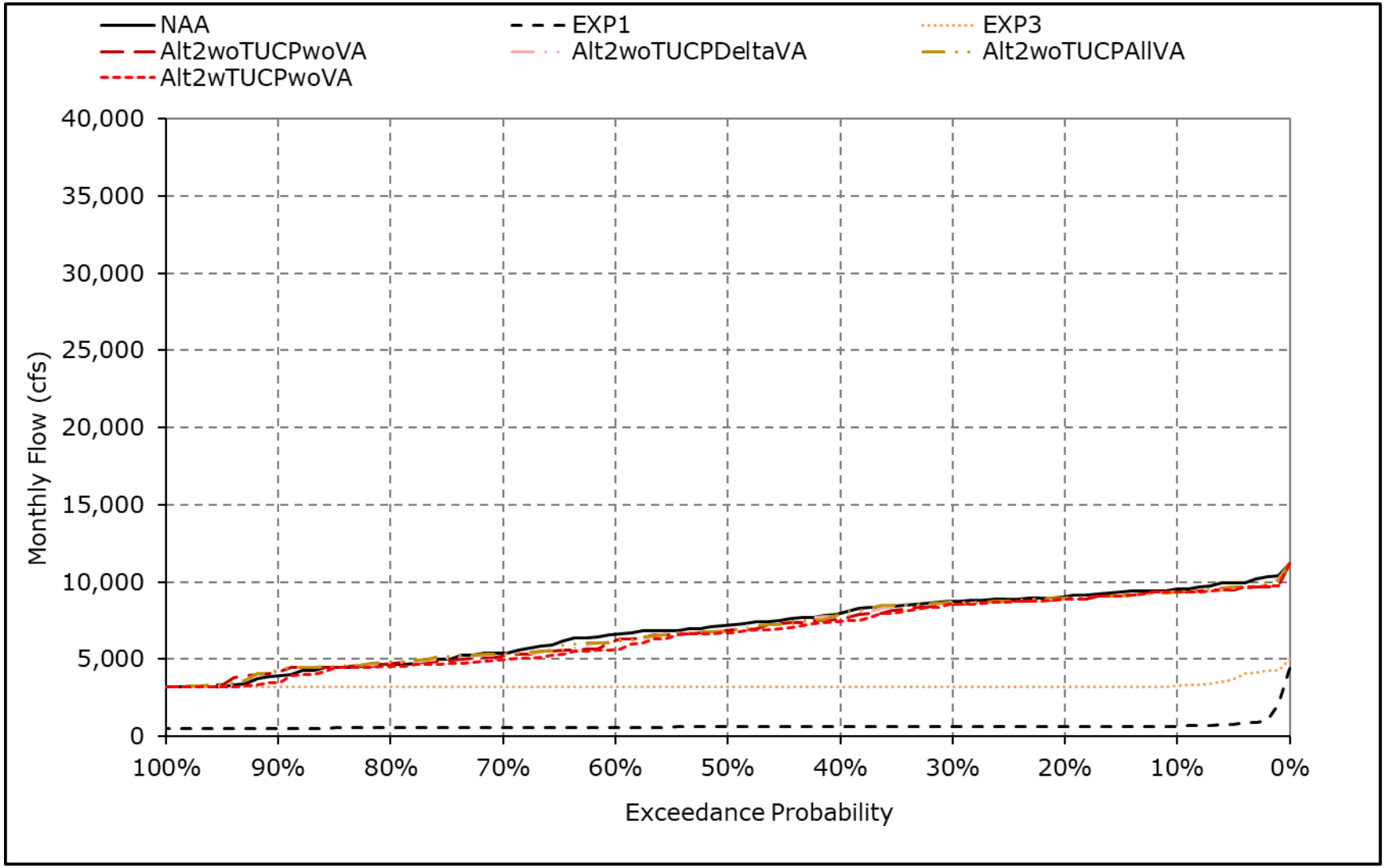
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



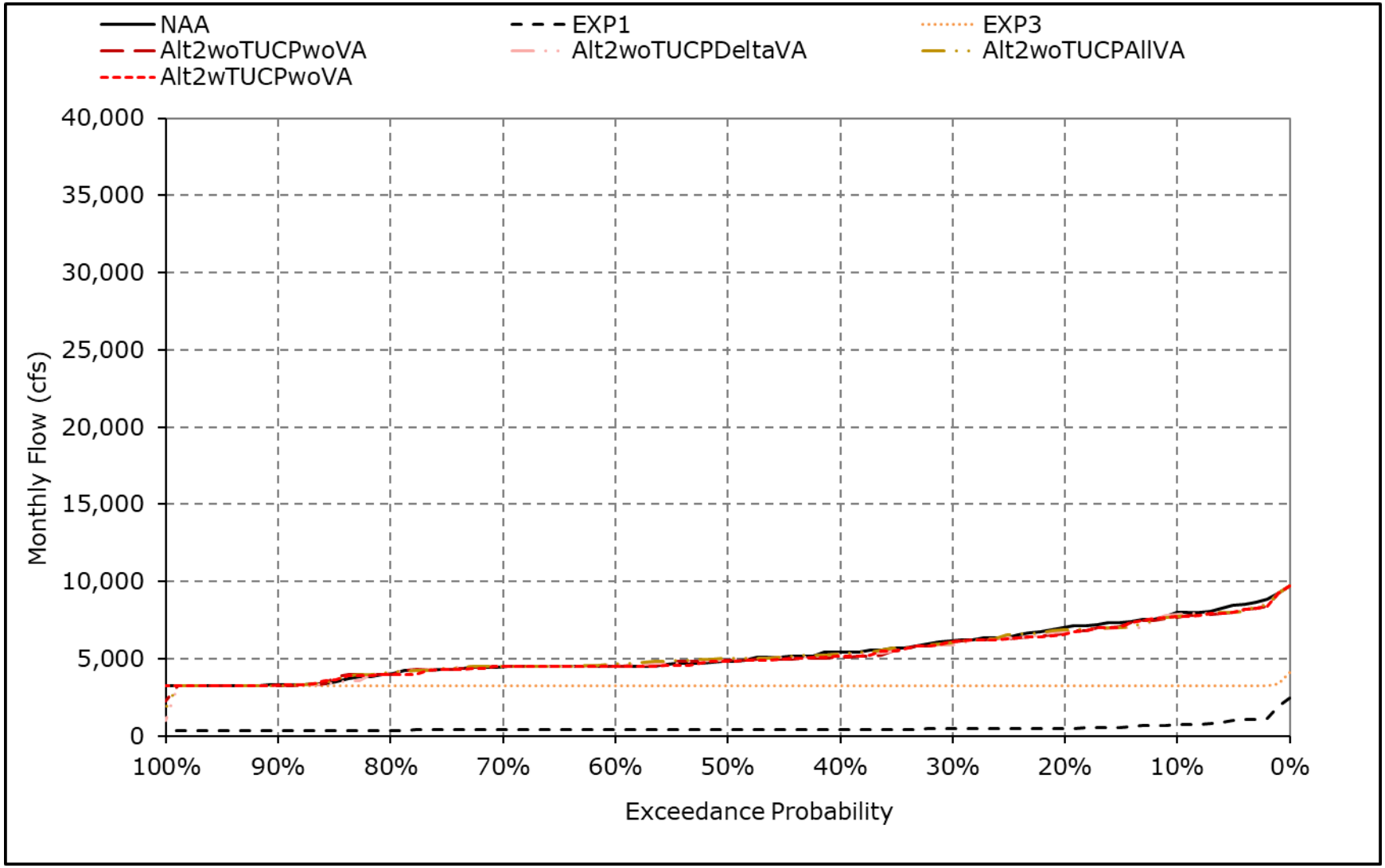
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-7-16. Sacramento River at Wilkins Slough Flow, July



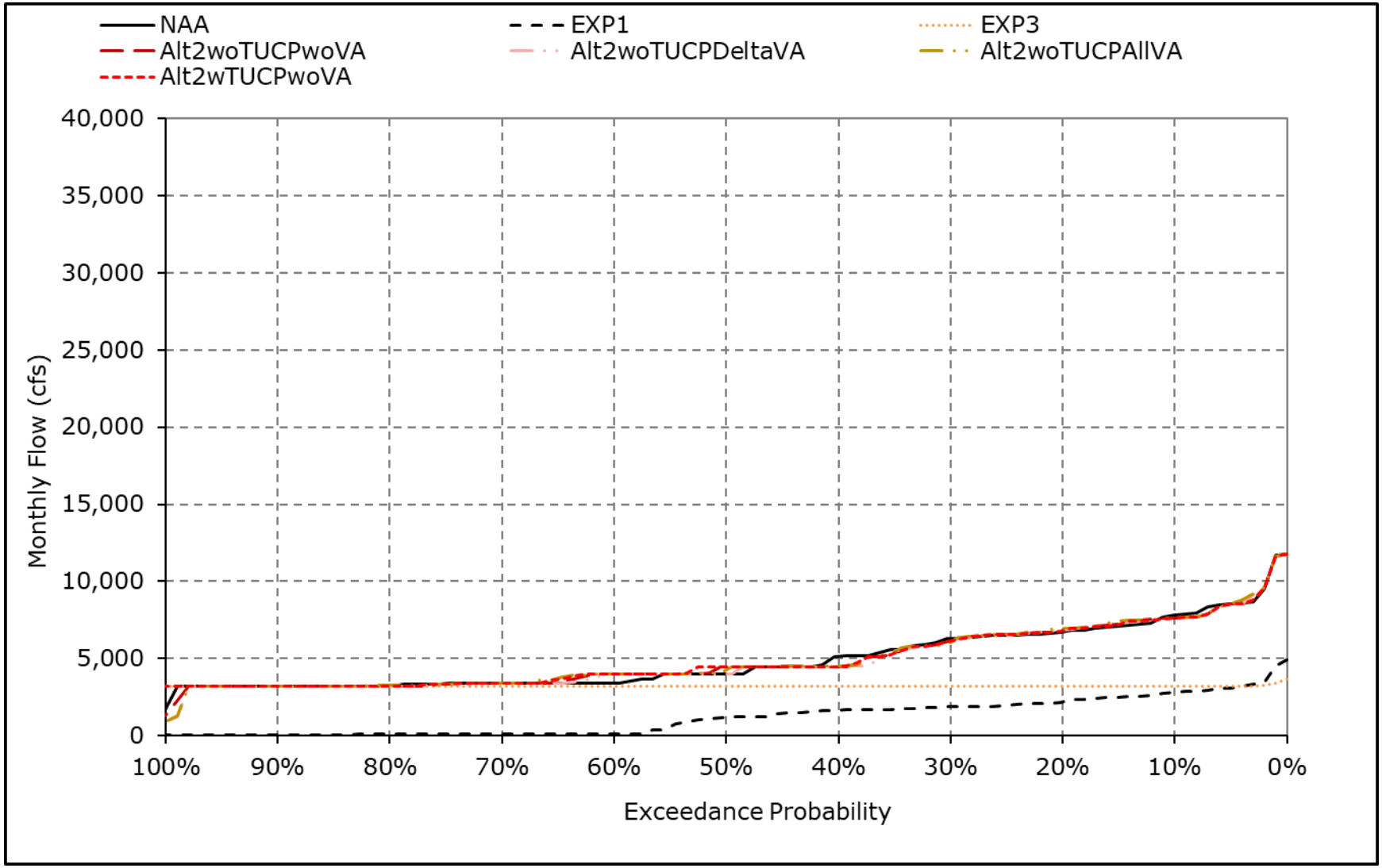
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-7-17. Sacramento River at Wilkins Slough Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-7-18. Sacramento River at Wilkins Slough Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-8-1a. Feather River Flow downstream of Thermalito, NAA, 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

Table F.2.2-8-1b. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,604	13,878	23,144	17,808	8,380	4,359	6,055	9,672	8,674	6,391
20% Exceedance	4,000	1,918	1,919	4,213	11,738	11,385	5,270	3,047	5,394	9,352	8,279	4,731
30% Exceedance	3,906	1,700	1,700	1,700	6,370	7,260	4,060	2,658	5,091	9,065	7,834	2,957
40% Exceedance	2,631	1,700	1,700	1,700	2,332	3,830	2,922	2,196	4,682	8,901	6,903	1,966
50% Exceedance	1,735	1,700	1,700	1,700	1,700	1,871	1,963	1,835	4,076	8,453	5,822	1,009
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,299	1,264	3,739	7,441	2,878	1,000
70% Exceedance	1,230	1,649	1,200	1,200	1,246	1,700	1,000	1,012	3,505	5,036	2,452	1,000
80% Exceedance	1,003	1,200	1,048	1,087	1,133	1,000	1,000	1,000	3,063	3,872	2,064	796
90% Exceedance	933	913	900	900	944	845	1,000	839	2,322	3,214	1,628	773
Full Simulation Period Average[a]	2,402	1,900	2,926	4,491	6,937	6,701	3,726	2,269	4,297	7,100	5,138	2,612
Wet Water Years (28%)	3,766	2,748	3,893	11,142	18,392	16,589	7,885	3,184	3,922	8,114	6,759	4,774
Above Normal Water Years (14%)	3,259	1,994	2,587	3,907	5,845	7,519	3,328	2,507	4,087	9,109	8,276	4,792
Below Normal Water Years (18%)	2,105	1,724	2,848	1,654	2,039	2,547	1,576	2,136	4,903	8,535	5,696	1,317
Dry Water Years (24%)	1,258	1,321	3,265	1,361	1,548	1,424	1,974	1,970	5,094	6,109	3,011	904
Critical Water Years (16%)	1,189	1,358	1,011	1,246	1,441	1,273	1,841	1,056	3,261	3,439	2,120	937

Table F.2.2-8-1c. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-993	43	496	0	0	-129	-378	-328	-40	-112
20% Exceedance	0	-225	-326	385	1	-809	-10	-314	-222	-166	-43	-250
30% Exceedance	-94	0	0	0	-111	-308	156	-127	18	-176	-123	97
40% Exceedance	-184	0	0	0	569	-143	428	-107	140	-104	-111	40
50% Exceedance	-3	0	0	0	0	171	319	-114	55	-247	398	-7
60% Exceedance	0	0	0	0	0	0	299	191	163	-416	-603	0
70% Exceedance	-313	-51	0	0	46	0	0	12	343	-541	-328	0
80% Exceedance	-161	0	-9	0	36	0	0	0	294	130	-211	1
90% Exceedance	-4	12	0	0	44	2	249	16	276	207	-96	0
Full Simulation Period Average[a]	-38	-27	32	81	33	-23	137	-58	104	-123	-112	82
Wet Water Years (28%)	5	-70	-177	60	48	1	0	45	200	-119	-94	78
Above Normal Water Years (14%)	-12	15	-7	346	55	-600	-2	11	-15	-183	-18	542
Below Normal Water Years (18%)	-41	4	103	0	-38	130	1	-548	128	41	-78	-192
Dry Water Years (24%)	1	-11	265	-2	-20	-1	-8	6	-161	-549	-356	-9
Critical Water Years (16%)	-204	-54	0	100	147	234	867	155	410	381	105	132

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-2a. Feather River Flow downstream of Thermalito, NAA, 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

Table F.2.2-8-2b. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,508	13,880	22,781	17,807	8,380	4,359	6,179	9,846	8,628	6,467
20% Exceedance	4,000	2,297	1,700	3,913	11,738	11,385	5,245	3,004	5,344	9,358	8,248	4,708
30% Exceedance	3,915	1,704	1,700	1,712	6,358	7,256	3,995	2,713	5,044	9,128	7,813	3,564
40% Exceedance	2,737	1,700	1,700	1,700	1,700	3,721	2,687	2,070	4,731	8,902	6,991	2,171
50% Exceedance	1,738	1,700	1,700	1,700	1,700	1,700	1,787	1,643	4,053	8,445	5,588	1,098
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,422	1,193	3,695	7,363	4,174	1,000
70% Exceedance	1,223	1,700	1,200	1,200	1,200	1,700	1,000	1,009	3,493	5,677	3,204	1,000
80% Exceedance	1,015	1,200	1,050	1,110	1,097	1,000	1,000	1,000	3,068	4,591	2,558	873
90% Exceedance	933	903	900	911	924	845	1,000	842	2,310	3,393	2,091	785
Full Simulation Period Average[a]	2,418	1,936	2,824	4,418	6,862	6,639	3,689	2,245	4,261	7,231	5,404	2,713
Wet Water Years (28%)	3,789	2,799	3,771	10,843	18,320	16,587	7,885	3,159	3,937	8,153	6,757	4,885
Above Normal Water Years (14%)	3,231	1,971	2,575	3,936	5,813	7,140	3,259	2,510	4,027	9,187	8,275	5,071
Below Normal Water Years (18%)	2,254	1,770	2,719	1,654	1,852	2,499	1,514	2,109	4,914	8,409	6,287	1,397
Dry Water Years (24%)	1,253	1,341	3,086	1,362	1,570	1,425	1,928	1,927	4,958	6,354	3,590	905
Critical Water Years (16%)	1,108	1,443	1,012	1,289	1,306	1,272	1,811	1,048	3,251	3,898	2,252	1,044

Table F.2.2-8-2c. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1,089	46	133	0	0	-129	-255	-154	-86	-35
20% Exceedance	0	154	-545	85	0	-810	-35	-357	-272	-159	-73	-273
30% Exceedance	-85	4	0	12	-123	-312	91	-72	-29	-113	-143	704
40% Exceedance	-79	0	0	0	-63	-252	193	-233	189	-102	-24	244
50% Exceedance	-1	0	0	0	0	0	143	-306	31	-254	164	82
60% Exceedance	0	0	0	0	0	0	422	120	120	-495	693	0
70% Exceedance	-320	0	0	0	0	0	0	9	331	100	424	0
80% Exceedance	-148	0	-7	23	0	0	0	0	299	849	283	79
90% Exceedance	-4	2	0	11	24	2	249	19	264	386	367	12
Full Simulation Period Average[a]	-22	9	-70	8	-41	-85	100	-82	68	9	154	184
Wet Water Years (28%)	28	-19	-298	-239	-23	0	0	19	215	-80	-97	189
Above Normal Water Years (14%)	-39	-8	-19	374	23	-979	-71	14	-75	-105	-20	821
Below Normal Water Years (18%)	109	50	-25	0	-225	83	-61	-575	140	-86	513	-112
Dry Water Years (24%)	-4	9	86	-1	2	-1	-54	-37	-298	-305	224	-9
Critical Water Years (16%)	-286	31	1	143	12	233	837	148	401	839	237	238

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-3a. Feather River Flow downstream of Thermalito, NAA, 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

Table F.2.2-8-3b. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,019	2,539	4,503	13,876	23,022	17,763	8,377	4,753	6,097	9,861	8,578	6,467
20% Exceedance	4,000	2,362	1,737	4,032	11,738	11,385	5,476	3,445	5,321	9,512	8,296	4,671
30% Exceedance	4,000	1,739	1,737	1,731	6,300	6,880	4,131	2,807	4,970	9,193	7,808	3,471
40% Exceedance	2,864	1,739	1,736	1,731	1,700	3,522	3,086	2,340	4,521	8,975	7,089	2,131
50% Exceedance	1,894	1,739	1,700	1,731	1,700	1,700	2,269	1,847	3,975	8,501	5,678	1,265
60% Exceedance	1,722	1,700	1,700	1,700	1,700	1,700	1,678	1,574	3,703	7,692	4,266	1,085
70% Exceedance	1,373	1,695	1,237	1,231	1,200	1,700	1,508	1,565	3,343	5,735	3,188	1,080
80% Exceedance	1,101	1,200	1,094	1,092	1,080	1,000	1,508	1,050	3,058	4,376	2,636	946
90% Exceedance	942	939	937	931	900	845	1,000	986	2,250	3,354	2,088	850
Full Simulation Period Average[a]	2,463	1,955	2,845	4,464	6,867	6,532	3,967	2,463	4,189	7,286	5,457	2,746
Wet Water Years (28%)	3,792	2,804	3,769	10,929	18,327	16,343	7,955	3,220	3,933	8,165	6,780	4,845
Above Normal Water Years (14%)	3,284	2,023	2,607	4,093	5,847	6,947	3,646	3,012	3,895	9,310	8,283	5,098
Below Normal Water Years (18%)	2,272	1,825	2,681	1,670	1,885	2,441	2,065	2,447	4,711	8,482	6,444	1,572
Dry Water Years (24%)	1,348	1,330	3,182	1,384	1,538	1,423	2,336	2,193	4,918	6,426	3,668	987
Critical Water Years (16%)	1,176	1,461	1,014	1,235	1,305	1,267	1,856	1,079	3,210	3,920	2,245	978

Table F.2.2-8-3c. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	39	-1,094	41	374	-44	-3	265	-337	-139	-136	-36
20% Exceedance	0	219	-508	204	0	-809	195	83	-295	-5	-26	-310
30% Exceedance	0	39	37	31	-181	-688	227	22	-103	-49	-148	611
40% Exceedance	48	39	36	31	-63	-451	592	37	-21	-30	74	205
50% Exceedance	156	39	0	31	0	0	625	-103	-47	-198	254	248
60% Exceedance	22	0	0	0	0	0	678	501	127	-165	785	85
70% Exceedance	-170	-5	37	31	0	0	508	565	182	158	409	80
80% Exceedance	-62	0	36	5	-17	0	508	50	288	633	361	151
90% Exceedance	5	39	37	31	0	2	249	163	203	346	363	76
Full Simulation Period Average[a]	23	28	-50	54	-37	-192	378	136	-5	63	208	217
Wet Water Years (28%)	31	-14	-301	-153	-17	-245	70	80	211	-68	-74	148
Above Normal Water Years (14%)	14	44	13	531	57	-1,172	316	516	-208	18	-11	849
Below Normal Water Years (18%)	127	105	-64	17	-192	24	490	-237	-63	-12	670	63
Dry Water Years (24%)	90	-3	182	21	-30	-2	353	230	-338	-232	301	73
Critical Water Years (16%)	-218	49	3	90	11	229	881	178	360	861	231	172

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-4a. Feather River Flow downstream of Thermalito, NAA, 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

Table F.2.2-8-4b. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,665	13,880	23,200	17,808	8,380	4,359	6,161	9,669	8,674	6,351
20% Exceedance	4,000	1,957	1,917	4,218	11,738	11,385	5,270	3,092	5,423	9,352	8,279	4,724
30% Exceedance	3,906	1,700	1,700	1,745	6,681	7,568	4,066	2,708	5,088	9,058	7,873	2,965
40% Exceedance	2,648	1,700	1,700	1,700	1,763	3,767	2,686	2,195	4,662	8,903	7,061	1,985
50% Exceedance	1,744	1,700	1,700	1,700	1,700	1,700	1,711	1,711	4,043	8,452	5,850	1,001
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,166	3,732	7,441	2,991	1,000
70% Exceedance	1,230	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,397	4,887	2,481	1,000
80% Exceedance	1,006	1,200	1,041	1,110	1,097	1,000	1,000	1,000	2,929	3,639	2,093	793
90% Exceedance	933	913	900	908	900	835	751	822	2,232	2,918	1,703	774
Full Simulation Period Average[a]	2,404	1,912	2,931	4,526	6,946	6,704	3,638	2,258	4,214	7,029	5,226	2,606
Wet Water Years (28%)	3,766	2,748	3,891	11,185	18,433	16,589	7,885	3,184	3,927	8,109	6,767	4,774
Above Normal Water Years (14%)	3,260	1,994	2,594	3,887	5,846	7,804	3,329	2,506	4,073	9,106	8,276	4,812
Below Normal Water Years (18%)	2,171	1,743	2,875	1,654	2,157	2,555	1,662	2,162	4,834	8,524	6,192	1,385
Dry Water Years (24%)	1,256	1,344	3,265	1,361	1,546	1,418	1,977	1,972	5,107	6,190	3,050	904
Critical Water Years (16%)	1,120	1,381	1,011	1,412	1,294	1,039	1,188	955	2,805	2,900	2,035	807

Table F.2.2-8-4c. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-932	45	552	0	0	-129	-273	-331	-40	-152
20% Exceedance	0	-186	-327	390	1	-809	-10	-270	-193	-166	-43	-257
30% Exceedance	-94	0	0	45	200	0	162	-77	15	-184	-84	105
40% Exceedance	-167	0	0	0	0	-207	192	-108	120	-101	46	59
50% Exceedance	5	0	0	0	0	0	67	-239	22	-247	426	-16
60% Exceedance	0	0	0	0	0	0	0	93	156	-417	-489	0
70% Exceedance	-313	0	0	0	0	0	0	0	236	-691	-299	0
80% Exceedance	-157	0	-16	23	0	0	0	0	160	-103	-182	-1
90% Exceedance	-4	12	0	8	0	-8	0	-1	186	-89	-21	0
Full Simulation Period Average[a]	-37	-15	37	117	42	-20	48	-69	21	-193	-24	76
Wet Water Years (28%)	5	-70	-179	103	89	1	0	45	205	-124	-87	77
Above Normal Water Years (14%)	-10	15	0	326	56	-315	-1	10	-30	-185	-18	563
Below Normal Water Years (18%)	26	24	130	0	80	138	87	-522	60	29	418	-124
Dry Water Years (24%)	-1	11	265	-2	-22	-7	-6	9	-149	-468	-316	-9
Critical Water Years (16%)	-273	-31	0	267	1	0	214	54	-45	-159	20	2

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-5a. Feather River Flow downstream of Thermalito, NAA, 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

Table F.2.2-8-5b. Feather River Flow downstream of Thermalito, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,738	2,309	26,202	20,541	23,247	20,152	9,457	4,395	3,639	3,090	2,027	1,026
20% Exceedance	1,731	1,700	15,146	13,242	18,760	14,677	5,533	2,022	2,869	2,881	1,428	1,024
30% Exceedance	1,721	1,700	9,298	7,534	12,604	10,607	4,519	1,041	2,489	2,595	1,262	1,021
40% Exceedance	1,707	1,700	6,654	5,154	9,882	8,119	1,176	1,024	1,944	2,267	1,049	1,018
50% Exceedance	1,700	1,700	5,047	2,650	6,137	6,515	1,000	1,008	1,556	1,882	1,043	1,014
60% Exceedance	1,700	1,700	1,700	1,700	3,186	5,118	1,000	1,000	1,340	1,648	1,037	1,009
70% Exceedance	1,223	1,201	1,629	1,700	1,810	3,301	1,000	1,000	1,053	1,428	1,030	1,000
80% Exceedance	950	1,128	1,179	1,200	1,603	1,908	788	880	1,046	1,265	1,026	781
90% Exceedance	935	900	900	900	900	1,000	750	782	1,038	1,077	1,012	771
Full Simulation Period Average[a]	1,565	1,924	8,707	7,183	9,970	9,051	3,590	1,795	2,087	2,047	1,275	964
Wet Water Years (28%)	1,814	2,529	11,575	16,078	20,550	16,631	7,904	3,007	2,731	1,341	1,035	1,044
Above Normal Water Years (14%)	1,651	2,194	8,365	8,524	12,019	12,295	3,334	2,097	1,798	1,505	1,037	1,022
Below Normal Water Years (18%)	1,648	1,785	10,221	4,097	6,251	6,482	2,179	1,586	1,756	1,783	1,147	1,005
Dry Water Years (24%)	1,503	1,730	8,977	2,179	4,917	5,390	1,517	963	1,659	2,776	1,253	910
Critical Water Years (16%)	1,015	1,003	1,443	1,420	1,425	1,331	965	891	2,229	2,960	2,081	805

Table F.2.2-8-5c. Feather River Flow downstream of Thermalito, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,262	-191	20,605	6,707	599	2,345	1,077	-94	-2,794	-6,910	-6,687	-5,476
20% Exceedance	-2,269	-444	12,901	9,414	7,022	2,483	253	-1,339	-2,748	-6,637	-6,894	-3,957
30% Exceedance	-2,279	0	7,598	5,834	6,123	3,038	615	-1,744	-2,584	-6,646	-6,695	-1,839
40% Exceedance	-1,109	0	4,954	3,454	8,119	4,146	-1,318	-1,279	-2,599	-6,738	-5,966	-908
50% Exceedance	-39	0	3,347	950	4,437	4,815	-644	-941	-2,465	-6,818	-4,381	-2
60% Exceedance	0	0	0	0	1,486	3,418	0	-73	-2,236	-6,210	-2,444	9
70% Exceedance	-320	-499	429	500	610	1,601	0	0	-2,108	-4,149	-1,749	0
80% Exceedance	-213	-72	121	113	506	908	-212	-120	-1,724	-2,477	-1,249	-14
90% Exceedance	-1	-1	0	0	0	157	-1	-41	-1,009	-1,931	-712	-3
Full Simulation Period Average[a]	-875	-3	5,812	2,773	3,066	2,327	1	-532	-2,106	-5,175	-3,975	-1,566
Wet Water Years (28%)	-1,947	-289	7,506	4,997	2,206	43	18	-133	-991	-6,892	-5,819	-3,652
Above Normal Water Years (14%)	-1,619	215	5,772	4,962	6,229	4,176	4	-399	-2,305	-7,787	-7,257	-3,228
Below Normal Water Years (18%)	-497	65	7,476	2,444	4,174	4,065	604	-1,098	-3,019	-6,711	-4,627	-504
Dry Water Years (24%)	246	397	5,977	816	3,349	3,965	-465	-1,000	-3,597	-3,882	-2,114	-4
Critical Water Years (16%)	-379	-409	432	275	131	292	-9	-9	-622	-98	66	-1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-6a. Feather River Flow downstream of Thermalito, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	5,799	16,159	19,374	22,223	21,449	17,816	8,210	3,954	615	938	1,952
20% Exceedance	1,975	3,108	12,155	13,102	18,237	16,628	12,264	6,090	2,950	544	678	1,681
30% Exceedance	1,629	2,330	6,100	8,406	13,350	12,260	9,682	3,960	1,995	496	526	1,529
40% Exceedance	1,309	1,636	4,416	5,845	11,641	9,258	7,558	2,459	1,664	441	445	1,396
50% Exceedance	1,018	1,145	2,894	4,895	7,273	8,001	5,823	1,687	1,054	366	404	1,280
60% Exceedance	866	971	2,507	3,592	5,560	6,635	4,993	1,291	740	271	365	1,125
70% Exceedance	503	699	1,356	2,036	4,855	5,588	3,964	782	553	200	341	972
80% Exceedance	200	356	835	1,370	3,581	4,557	3,289	212	383	200	292	848
90% Exceedance	117	200	404	910	2,632	2,961	2,218	200	200	200	200	561
Full Simulation Period Average[a]	1,315	2,378	6,269	7,722	11,002	10,425	8,005	3,152	1,728	429	507	1,269
Wet Water Years (28%)	1,804	3,020	6,020	16,023	20,794	17,560	14,050	6,068	2,908	465	639	1,752
Above Normal Water Years (14%)	1,331	2,463	5,611	10,540	12,976	13,470	9,085	3,923	1,817	245	409	1,489
Below Normal Water Years (18%)	1,136	2,099	7,941	4,912	6,755	7,978	6,781	2,295	1,791	350	354	1,213
Dry Water Years (24%)	1,429	2,892	7,425	2,579	6,652	6,666	5,041	1,667	988	412	355	1,044
Critical Water Years (16%)	417	606	3,538	1,607	3,442	3,667	2,306	568	622	639	762	634

Table F.2.2-8-6b. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,604	13,878	23,144	17,808	8,380	4,359	6,055	9,672	8,674	6,391
20% Exceedance	4,000	1,918	1,919	4,213	11,738	11,385	5,270	3,047	5,394	9,352	8,279	4,731
30% Exceedance	3,906	1,700	1,700	1,700	6,370	7,260	4,060	2,658	5,091	9,065	7,834	2,957
40% Exceedance	2,631	1,700	1,700	1,700	2,332	3,830	2,922	2,196	4,682	8,901	6,903	1,966
50% Exceedance	1,735	1,700	1,700	1,700	1,700	1,871	1,963	1,835	4,076	8,453	5,822	1,009
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,299	1,264	3,739	7,441	2,878	1,000
70% Exceedance	1,230	1,649	1,200	1,200	1,246	1,700	1,000	1,012	3,505	5,036	2,452	1,000
80% Exceedance	1,003	1,200	1,048	1,087	1,133	1,000	1,000	1,000	3,063	3,872	2,064	796
90% Exceedance	933	913	900	900	944	845	1,000	839	2,322	3,214	1,628	773
Full Simulation Period Average[a]	2,402	1,900	2,926	4,491	6,937	6,701	3,726	2,269	4,297	7,100	5,138	2,612
Wet Water Years (28%)	3,766	2,748	3,893	11,142	18,392	16,589	7,885	3,184	3,922	8,114	6,759	4,774
Above Normal Water Years (14%)	3,259	1,994	2,587	3,907	5,845	7,519	3,328	2,507	4,087	9,109	8,276	4,792
Below Normal Water Years (18%)	2,105	1,724	2,848	1,654	2,039	2,547	1,576	2,136	4,903	8,535	5,696	1,317
Dry Water Years (24%)	1,258	1,321	3,265	1,361	1,548	1,424	1,974	1,970	5,094	6,109	3,011	904
Critical Water Years (16%)	1,189	1,358	1,011	1,246	1,441	1,273	1,841	1,056	3,261	3,439	2,120	937

Table F.2.2-8-6c. Feather River Flow downstream of Thermalito, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,558	-3,299	-11,555	-5,496	921	-3,641	-9,436	-3,851	2,102	9,057	7,736	4,438
20% Exceedance	2,025	-1,190	-10,237	-8,889	-6,499	-5,243	-6,994	-3,042	2,444	8,808	7,601	3,050
30% Exceedance	2,277	-630	-4,400	-6,706	-6,980	-5,000	-5,622	-1,303	3,096	8,570	7,308	1,428
40% Exceedance	1,323	64	-2,716	-4,145	-9,309	-5,428	-4,636	-263	3,018	8,460	6,458	570
50% Exceedance	717	555	-1,194	-3,195	-5,573	-6,130	-3,860	148	3,023	8,087	5,417	-271
60% Exceedance	834	729	-807	-1,892	-3,860	-4,935	-3,694	-26	2,999	7,170	2,513	-125
70% Exceedance	726	950	-156	-836	-3,610	-3,888	-2,964	229	2,952	4,836	2,110	28
80% Exceedance	803	844	213	-282	-2,448	-3,557	-2,289	788	2,680	3,672	1,772	-52
90% Exceedance	816	713	496	-10	-1,687	-2,115	-1,218	639	2,122	3,014	1,428	212
Full Simulation Period Average[a]	1,088	-478	-3,343	-3,232	-4,065	-3,724	-4,280	-883	2,570	6,671	4,631	1,342
Wet Water Years (28%)	1,963	-272	-2,127	-4,881	-2,402	-972	-6,165	-2,883	1,014	7,649	6,120	3,022
Above Normal Water Years (14%)	1,927	-469	-3,024	-6,632	-7,130	-5,951	-5,757	-1,416	2,270	8,864	7,867	3,303
Below Normal Water Years (18%)	969	-376	-5,093	-3,258	-4,717	-5,431	-5,206	-159	3,111	8,186	5,342	103
Dry Water Years (24%)	-171	-1,570	-4,160	-1,217	-5,104	-5,242	-3,067	303	4,107	5,697	2,656	-139
Critical Water Years (16%)	773	753	-2,527	-362	-2,001	-2,394	-465	489	2,639	2,800	1,358	303

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-7a. Feather River Flow downstream of Thermalito, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	5,799	16,159	19,374	22,223	21,449	17,816	8,210	3,954	615	938	1,952
20% Exceedance	1,975	3,108	12,155	13,102	18,237	16,628	12,264	6,090	2,950	544	678	1,681
30% Exceedance	1,629	2,330	6,100	8,406	13,350	12,260	9,682	3,960	1,995	496	526	1,529
40% Exceedance	1,309	1,636	4,416	5,845	11,641	9,258	7,558	2,459	1,664	441	445	1,396
50% Exceedance	1,018	1,145	2,894	4,895	7,273	8,001	5,823	1,687	1,054	366	404	1,280
60% Exceedance	866	971	2,507	3,592	5,560	6,635	4,993	1,291	740	271	365	1,125
70% Exceedance	503	699	1,356	2,036	4,855	5,588	3,964	782	553	200	341	972
80% Exceedance	200	356	835	1,370	3,581	4,557	3,289	212	383	200	292	848
90% Exceedance	117	200	404	910	2,632	2,961	2,218	200	200	200	200	561
Full Simulation Period Average[a]	1,315	2,378	6,269	7,722	11,002	10,425	8,005	3,152	1,728	429	507	1,269
Wet Water Years (28%)	1,804	3,020	6,020	16,023	20,794	17,560	14,050	6,068	2,908	465	639	1,752
Above Normal Water Years (14%)	1,331	2,463	5,611	10,540	12,976	13,470	9,085	3,923	1,817	245	409	1,489
Below Normal Water Years (18%)	1,136	2,099	7,941	4,912	6,755	7,978	6,781	2,295	1,791	350	354	1,213
Dry Water Years (24%)	1,429	2,892	7,425	2,579	6,652	6,666	5,041	1,667	988	412	355	1,044
Critical Water Years (16%)	417	606	3,538	1,607	3,442	3,667	2,306	568	622	639	762	634

Table F.2.2-8-7b. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,508	13,880	22,781	17,807	8,380	4,359	6,179	9,846	8,628	6,467
20% Exceedance	4,000	2,297	1,700	3,913	11,738	11,385	5,245	3,004	5,344	9,358	8,248	4,708
30% Exceedance	3,915	1,704	1,700	1,712	6,358	7,256	3,995	2,713	5,044	9,128	7,813	3,564
40% Exceedance	2,737	1,700	1,700	1,700	1,700	3,721	2,687	2,070	4,731	8,902	6,991	2,171
50% Exceedance	1,738	1,700	1,700	1,700	1,700	1,700	1,787	1,643	4,053	8,445	5,588	1,098
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,422	1,193	3,695	7,363	4,174	1,000
70% Exceedance	1,223	1,700	1,200	1,200	1,200	1,700	1,000	1,009	3,493	5,677	3,204	1,000
80% Exceedance	1,015	1,200	1,050	1,110	1,097	1,000	1,000	1,000	3,068	4,591	2,558	873
90% Exceedance	933	903	900	911	924	845	1,000	842	2,310	3,393	2,091	785
Full Simulation Period Average[a]	2,418	1,936	2,824	4,418	6,862	6,639	3,689	2,245	4,261	7,231	5,404	2,713
Wet Water Years (28%)	3,789	2,799	3,771	10,843	18,320	16,587	7,885	3,159	3,937	8,153	6,757	4,885
Above Normal Water Years (14%)	3,231	1,971	2,575	3,936	5,813	7,140	3,259	2,510	4,027	9,187	8,275	5,071
Below Normal Water Years (18%)	2,254	1,770	2,719	1,654	1,852	2,499	1,514	2,109	4,914	8,409	6,287	1,397
Dry Water Years (24%)	1,253	1,341	3,086	1,362	1,570	1,425	1,928	1,927	4,958	6,354	3,590	905
Critical Water Years (16%)	1,108	1,443	1,012	1,289	1,306	1,272	1,811	1,048	3,251	3,898	2,252	1,044

Table F.2.2-8-7c. Feather River Flow downstream of Thermalito, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,558	-3,299	-11,651	-5,494	558	-3,641	-9,436	-3,851	2,225	9,231	7,690	4,515
20% Exceedance	2,025	-811	-10,455	-9,189	-6,499	-5,243	-7,019	-3,086	2,394	8,814	7,571	3,027
30% Exceedance	2,286	-626	-4,400	-6,694	-6,992	-5,004	-5,686	-1,247	3,049	8,632	7,287	2,035
40% Exceedance	1,428	64	-2,716	-4,145	-9,941	-5,537	-4,871	-390	3,067	8,461	6,546	774
50% Exceedance	720	555	-1,194	-3,195	-5,573	-6,301	-4,036	-44	2,999	8,079	5,184	-182
60% Exceedance	834	729	-807	-1,892	-3,860	-4,935	-3,571	-98	2,955	7,092	3,809	-125
70% Exceedance	720	1,001	-156	-836	-3,655	-3,888	-2,964	227	2,939	5,477	2,863	28
80% Exceedance	815	844	215	-260	-2,484	-3,557	-2,289	788	2,685	4,391	2,266	25
90% Exceedance	817	703	496	1	-1,708	-2,115	-1,218	642	2,110	3,193	1,891	224
Full Simulation Period Average[a]	1,104	-441	-3,445	-3,304	-4,140	-3,786	-4,316	-907	2,533	6,803	4,897	1,444
Wet Water Years (28%)	1,985	-221	-2,248	-5,179	-2,474	-973	-6,165	-2,909	1,030	7,688	6,118	3,133
Above Normal Water Years (14%)	1,900	-492	-3,036	-6,604	-7,163	-6,329	-5,826	-1,413	2,211	8,942	7,866	3,582
Below Normal Water Years (18%)	1,118	-330	-5,221	-3,258	-4,903	-5,479	-5,267	-186	3,122	8,059	5,933	183
Dry Water Years (24%)	-176	-1,550	-4,339	-1,217	-5,082	-5,242	-3,113	260	3,970	5,942	3,235	-139
Critical Water Years (16%)	692	837	-2,526	-319	-2,136	-2,395	-495	481	2,629	3,259	1,490	410

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-8a. Feather River Flow downstream of Thermalito, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	5,799	16,159	19,374	22,223	21,449	17,816	8,210	3,954	615	938	1,952
20% Exceedance	1,975	3,108	12,155	13,102	18,237	16,628	12,264	6,090	2,950	544	678	1,681
30% Exceedance	1,629	2,330	6,100	8,406	13,350	12,260	9,682	3,960	1,995	496	526	1,529
40% Exceedance	1,309	1,636	4,416	5,845	11,641	9,258	7,558	2,459	1,664	441	445	1,396
50% Exceedance	1,018	1,145	2,894	4,895	7,273	8,001	5,823	1,687	1,054	366	404	1,280
60% Exceedance	866	971	2,507	3,592	5,560	6,635	4,993	1,291	740	271	365	1,125
70% Exceedance	503	699	1,356	2,036	4,855	5,588	3,964	782	553	200	341	972
80% Exceedance	200	356	835	1,370	3,581	4,557	3,289	212	383	200	292	848
90% Exceedance	117	200	404	910	2,632	2,961	2,218	200	200	200	200	561
Full Simulation Period Average[a]	1,315	2,378	6,269	7,722	11,002	10,425	8,005	3,152	1,728	429	507	1,269
Wet Water Years (28%)	1,804	3,020	6,020	16,023	20,794	17,560	14,050	6,068	2,908	465	639	1,752
Above Normal Water Years (14%)	1,331	2,463	5,611	10,540	12,976	13,470	9,085	3,923	1,817	245	409	1,489
Below Normal Water Years (18%)	1,136	2,099	7,941	4,912	6,755	7,978	6,781	2,295	1,791	350	354	1,213
Dry Water Years (24%)	1,429	2,892	7,425	2,579	6,652	6,666	5,041	1,667	988	412	355	1,044
Critical Water Years (16%)	417	606	3,538	1,607	3,442	3,667	2,306	568	622	639	762	634

Table F.2.2-8-8b. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,019	2,539	4,503	13,876	23,022	17,763	8,377	4,753	6,097	9,861	8,578	6,467
20% Exceedance	4,000	2,362	1,737	4,032	11,738	11,385	5,476	3,445	5,321	9,512	8,296	4,671
30% Exceedance	4,000	1,739	1,737	1,731	6,300	6,880	4,131	2,807	4,970	9,193	7,808	3,471
40% Exceedance	2,864	1,739	1,736	1,731	1,700	3,522	3,086	2,340	4,521	8,975	7,089	2,131
50% Exceedance	1,894	1,739	1,700	1,731	1,700	1,700	2,269	1,847	3,975	8,501	5,678	1,265
60% Exceedance	1,722	1,700	1,700	1,700	1,700	1,700	1,678	1,574	3,703	7,692	4,266	1,085
70% Exceedance	1,373	1,695	1,237	1,231	1,200	1,700	1,508	1,565	3,343	5,735	3,188	1,080
80% Exceedance	1,101	1,200	1,094	1,092	1,080	1,000	1,508	1,050	3,058	4,376	2,636	946
90% Exceedance	942	939	937	931	900	845	1,000	986	2,250	3,354	2,088	850
Full Simulation Period Average[a]	2,463	1,955	2,845	4,464	6,867	6,532	3,967	2,463	4,189	7,286	5,457	2,746
Wet Water Years (28%)	3,792	2,804	3,769	10,929	18,327	16,343	7,955	3,220	3,933	8,165	6,780	4,845
Above Normal Water Years (14%)	3,284	2,023	2,607	4,093	5,847	6,947	3,646	3,012	3,895	9,310	8,283	5,098
Below Normal Water Years (18%)	2,272	1,825	2,681	1,670	1,885	2,441	2,065	2,447	4,711	8,482	6,444	1,572
Dry Water Years (24%)	1,348	1,330	3,182	1,384	1,538	1,423	2,336	2,193	4,918	6,426	3,668	987
Critical Water Years (16%)	1,176	1,461	1,014	1,235	1,305	1,267	1,856	1,079	3,210	3,920	2,245	978

Table F.2.2-8-8c. Feather River Flow downstream of Thermalito, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,577	-3,260	-11,656	-5,498	798	-3,686	-9,439	-3,457	2,143	9,246	7,640	4,514
20% Exceedance	2,025	-746	-10,419	-9,071	-6,499	-5,243	-6,788	-2,645	2,371	8,968	7,618	2,991
30% Exceedance	2,371	-591	-4,363	-6,675	-7,050	-5,380	-5,551	-1,153	2,975	8,697	7,282	1,942
40% Exceedance	1,555	103	-2,680	-4,114	-9,941	-5,736	-4,472	-120	2,857	8,534	6,644	735
50% Exceedance	876	594	-1,194	-3,164	-5,573	-6,301	-3,553	160	2,921	8,135	5,274	-15
60% Exceedance	856	729	-807	-1,892	-3,860	-4,935	-3,315	284	2,963	7,421	3,901	-41
70% Exceedance	870	997	-120	-805	-3,655	-3,888	-2,456	783	2,790	5,535	2,847	109
80% Exceedance	901	844	258	-278	-2,501	-3,557	-1,781	837	2,674	4,176	2,344	98
90% Exceedance	825	739	533	21	-1,732	-2,115	-1,218	786	2,050	3,154	1,888	289
Full Simulation Period Average[a]	1,149	-422	-3,425	-3,258	-4,135	-3,893	-4,038	-689	2,461	6,857	4,950	1,477
Wet Water Years (28%)	1,989	-216	-2,251	-5,093	-2,467	-1,217	-6,095	-2,848	1,026	7,700	6,141	3,093
Above Normal Water Years (14%)	1,953	-440	-3,004	-6,447	-7,128	-6,523	-5,439	-911	2,078	9,064	7,874	3,610
Below Normal Water Years (18%)	1,136	-275	-5,260	-3,242	-4,870	-5,537	-4,717	152	2,920	8,133	6,090	358
Dry Water Years (24%)	-81	-1,562	-4,243	-1,194	-5,114	-5,243	-2,705	527	3,930	6,014	3,313	-57
Critical Water Years (16%)	759	856	-2,524	-372	-2,137	-2,400	-450	511	2,588	3,280	1,484	344

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-9a. Feather River Flow downstream of Thermalito, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	5,799	16,159	19,374	22,223	21,449	17,816	8,210	3,954	615	938	1,952
20% Exceedance	1,975	3,108	12,155	13,102	18,237	16,628	12,264	6,090	2,950	544	678	1,681
30% Exceedance	1,629	2,330	6,100	8,406	13,350	12,260	9,682	3,960	1,995	496	526	1,529
40% Exceedance	1,309	1,636	4,416	5,845	11,641	9,258	7,558	2,459	1,664	441	445	1,396
50% Exceedance	1,018	1,145	2,894	4,895	7,273	8,001	5,823	1,687	1,054	366	404	1,280
60% Exceedance	866	971	2,507	3,592	5,560	6,635	4,993	1,291	740	271	365	1,125
70% Exceedance	503	699	1,356	2,036	4,855	5,588	3,964	782	553	200	341	972
80% Exceedance	200	356	835	1,370	3,581	4,557	3,289	212	383	200	292	848
90% Exceedance	117	200	404	910	2,632	2,961	2,218	200	200	200	200	561
Full Simulation Period Average[a]	1,315	2,378	6,269	7,722	11,002	10,425	8,005	3,152	1,728	429	507	1,269
Wet Water Years (28%)	1,804	3,020	6,020	16,023	20,794	17,560	14,050	6,068	2,908	465	639	1,752
Above Normal Water Years (14%)	1,331	2,463	5,611	10,540	12,976	13,470	9,085	3,923	1,817	245	409	1,489
Below Normal Water Years (18%)	1,136	2,099	7,941	4,912	6,755	7,978	6,781	2,295	1,791	350	354	1,213
Dry Water Years (24%)	1,429	2,892	7,425	2,579	6,652	6,666	5,041	1,667	988	412	355	1,044
Critical Water Years (16%)	417	606	3,538	1,607	3,442	3,667	2,306	568	622	639	762	634

Table F.2.2-8-9b. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,000	2,500	4,665	13,880	23,200	17,808	8,380	4,359	6,161	9,669	8,674	6,351
20% Exceedance	4,000	1,957	1,917	4,218	11,738	11,385	5,270	3,092	5,423	9,352	8,279	4,724
30% Exceedance	3,906	1,700	1,700	1,745	6,681	7,568	4,066	2,708	5,088	9,058	7,873	2,965
40% Exceedance	2,648	1,700	1,700	1,700	1,763	3,767	2,686	2,195	4,662	8,903	7,061	1,985
50% Exceedance	1,744	1,700	1,700	1,700	1,700	1,700	1,711	1,711	4,043	8,452	5,850	1,001
60% Exceedance	1,700	1,700	1,700	1,700	1,700	1,700	1,000	1,166	3,732	7,441	2,991	1,000
70% Exceedance	1,230	1,700	1,200	1,200	1,200	1,700	1,000	1,000	3,397	4,887	2,481	1,000
80% Exceedance	1,006	1,200	1,041	1,110	1,097	1,000	1,000	1,000	2,929	3,639	2,093	793
90% Exceedance	933	913	900	908	900	835	751	822	2,232	2,918	1,703	774
Full Simulation Period Average[a]	2,404	1,912	2,931	4,526	6,946	6,704	3,638	2,258	4,214	7,029	5,226	2,606
Wet Water Years (28%)	3,766	2,748	3,891	11,185	18,433	16,589	7,885	3,184	3,927	8,109	6,767	4,774
Above Normal Water Years (14%)	3,260	1,994	2,594	3,887	5,846	7,804	3,329	2,506	4,073	9,106	8,276	4,812
Below Normal Water Years (18%)	2,171	1,743	2,875	1,654	2,157	2,555	1,662	2,162	4,834	8,524	6,192	1,385
Dry Water Years (24%)	1,256	1,344	3,265	1,361	1,546	1,418	1,977	1,972	5,107	6,190	3,050	904
Critical Water Years (16%)	1,120	1,381	1,011	1,412	1,294	1,039	1,188	955	2,805	2,900	2,035	807

Table F.2.2-8-9c. Feather River Flow downstream of Thermalito, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,558	-3,299	-11,494	-5,494	977	-3,641	-9,436	-3,851	2,207	9,054	7,736	4,398
20% Exceedance	2,025	-1,151	-10,238	-8,885	-6,499	-5,243	-6,994	-2,998	2,473	8,808	7,601	3,044
30% Exceedance	2,277	-630	-4,400	-6,661	-6,669	-4,692	-5,615	-1,252	3,093	8,562	7,347	1,436
40% Exceedance	1,340	64	-2,716	-4,145	-9,878	-5,491	-4,873	-265	2,998	8,463	6,616	589
50% Exceedance	726	555	-1,194	-3,195	-5,573	-6,301	-4,112	24	2,989	8,087	5,445	-279
60% Exceedance	834	729	-807	-1,892	-3,860	-4,935	-3,993	-125	2,992	7,170	2,626	-125
70% Exceedance	726	1,001	-156	-836	-3,655	-3,888	-2,964	218	2,844	4,687	2,139	28
80% Exceedance	806	844	206	-259	-2,484	-3,557	-2,289	788	2,546	3,439	1,801	-55
90% Exceedance	817	713	496	-2	-1,732	-2,126	-1,467	622	2,032	2,718	1,503	213
Full Simulation Period Average[a]	1,089	-466	-3,338	-3,196	-4,056	-3,721	-4,368	-894	2,487	6,601	4,719	1,336
Wet Water Years (28%)	1,963	-272	-2,129	-4,837	-2,361	-971	-6,165	-2,883	1,019	7,644	6,127	3,021
Above Normal Water Years (14%)	1,929	-469	-3,017	-6,652	-7,130	-5,666	-5,756	-1,417	2,256	8,861	7,867	3,324
Below Normal Water Years (18%)	1,035	-356	-5,066	-3,258	-4,598	-5,423	-5,119	-133	3,043	8,174	5,838	171
Dry Water Years (24%)	-173	-1,548	-4,160	-1,218	-5,106	-5,248	-3,064	306	4,120	5,779	2,695	-139
Critical Water Years (16%)	704	776	-2,527	-195	-2,147	-2,628	-1,118	388	2,183	2,261	1,273	173

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-8-10a. Feather River Flow downstream of Thermalito, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,442	5,799	16,159	19,374	22,223	21,449	17,816	8,210	3,954	615	938	1,952
20% Exceedance	1,975	3,108	12,155	13,102	18,237	16,628	12,264	6,090	2,950	544	678	1,681
30% Exceedance	1,629	2,330	6,100	8,406	13,350	12,260	9,682	3,960	1,995	496	526	1,529
40% Exceedance	1,309	1,636	4,416	5,845	11,641	9,258	7,558	2,459	1,664	441	445	1,396
50% Exceedance	1,018	1,145	2,894	4,895	7,273	8,001	5,823	1,687	1,054	366	404	1,280
60% Exceedance	866	971	2,507	3,592	5,560	6,635	4,993	1,291	740	271	365	1,125
70% Exceedance	503	699	1,356	2,036	4,855	5,588	3,964	782	553	200	341	972
80% Exceedance	200	356	835	1,370	3,581	4,557	3,289	212	383	200	292	848
90% Exceedance	117	200	404	910	2,632	2,961	2,218	200	200	200	200	561
Full Simulation Period Average[a]	1,315	2,378	6,269	7,722	11,002	10,425	8,005	3,152	1,728	429	507	1,269
Wet Water Years (28%)	1,804	3,020	6,020	16,023	20,794	17,560	14,050	6,068	2,908	465	639	1,752
Above Normal Water Years (14%)	1,331	2,463	5,611	10,540	12,976	13,470	9,085	3,923	1,817	245	409	1,489
Below Normal Water Years (18%)	1,136	2,099	7,941	4,912	6,755	7,978	6,781	2,295	1,791	350	354	1,213
Dry Water Years (24%)	1,429	2,892	7,425	2,579	6,652	6,666	5,041	1,667	988	412	355	1,044
Critical Water Years (16%)	417	606	3,538	1,607	3,442	3,667	2,306	568	622	639	762	634

Table F.2.2-8-10b. Feather River Flow downstream of Thermalito, NAA, 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

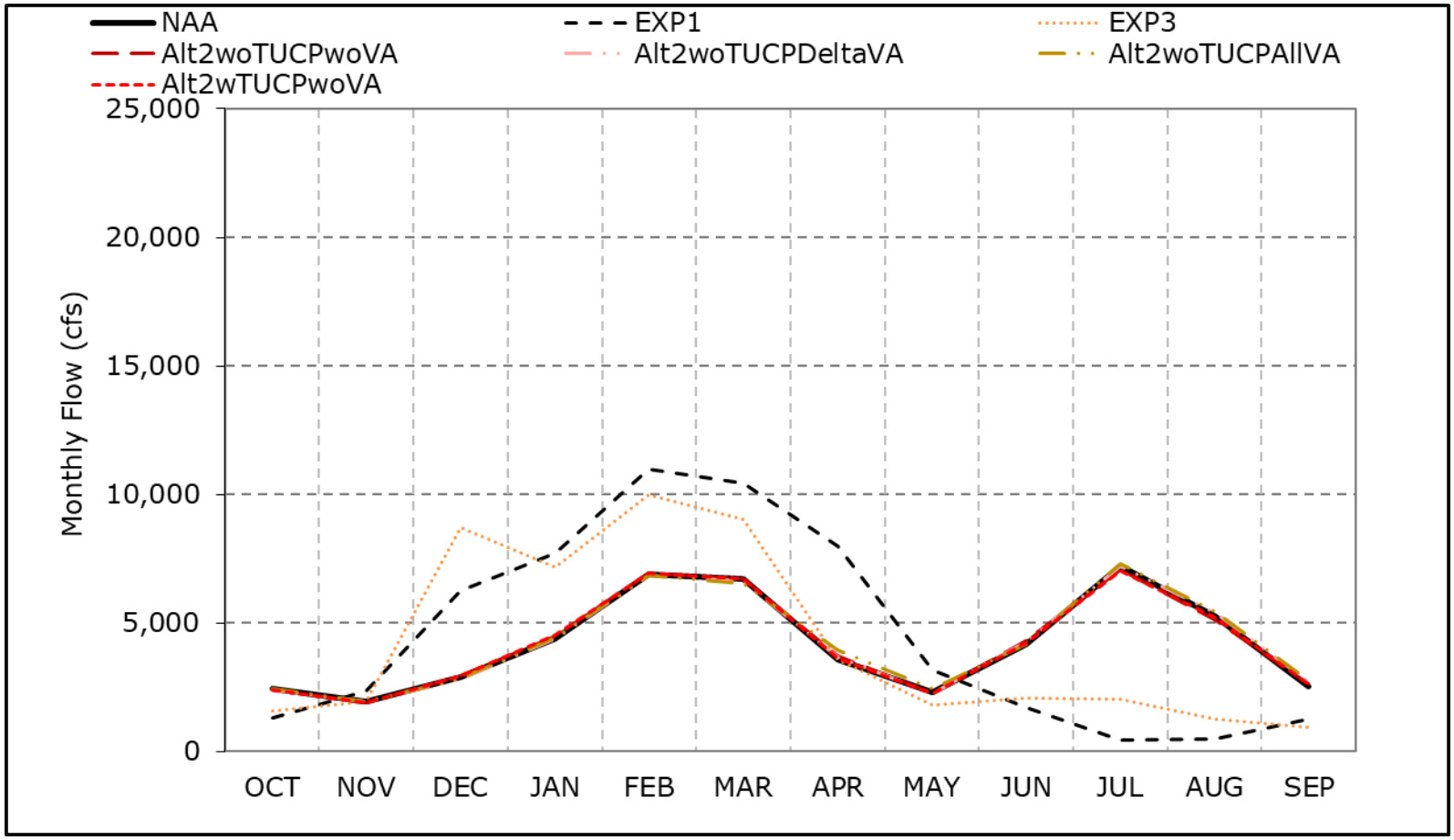
Table F.2.2-8-10c. Feather River Flow downstream of Thermalito, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,558	-3,299	-10,562	-5,539	425	-3,641	-9,436	-3,722	2,480	9,385	7,775	4,550
20% Exceedance	2,025	-964	-9,911	-9,274	-6,499	-4,433	-6,983	-2,728	2,666	8,974	7,644	3,300
30% Exceedance	2,371	-630	-4,400	-6,706	-6,869	-4,692	-5,778	-1,175	3,078	8,746	7,431	1,331
40% Exceedance	1,507	64	-2,716	-4,145	-9,878	-5,285	-5,064	-157	2,878	8,564	6,570	530
50% Exceedance	721	555	-1,194	-3,195	-5,573	-6,301	-4,179	262	2,968	8,334	5,020	-264
60% Exceedance	834	729	-807	-1,892	-3,860	-4,935	-3,993	-218	2,835	7,586	3,116	-125
70% Exceedance	1,040	1,001	-156	-836	-3,655	-3,888	-2,964	218	2,608	5,377	2,438	28
80% Exceedance	963	844	222	-282	-2,484	-3,557	-2,289	788	2,386	3,542	1,983	-53
90% Exceedance	820	701	496	-10	-1,732	-2,118	-1,467	623	1,846	2,808	1,524	213
Full Simulation Period Average[a]	1,126	-451	-3,375	-3,312	-4,098	-3,701	-4,416	-825	2,466	6,794	4,743	1,260
Wet Water Years (28%)	1,957	-202	-1,950	-4,941	-2,450	-973	-6,165	-2,928	814	7,768	6,215	2,944
Above Normal Water Years (14%)	1,939	-484	-3,017	-6,978	-7,186	-5,350	-5,755	-1,427	2,285	9,046	7,885	2,761
Below Normal Water Years (18%)	1,009	-379	-5,196	-3,259	-4,679	-5,561	-5,207	389	2,983	8,144	5,420	296
Dry Water Years (24%)	-172	-1,559	-4,425	-1,215	-5,084	-5,241	-3,058	297	4,268	6,247	3,012	-130
Critical Water Years (16%)	977	807	-2,527	-462	-2,148	-2,628	-1,332	333	2,228	2,419	1,253	172

[a] Based on the 100-year simulation period.

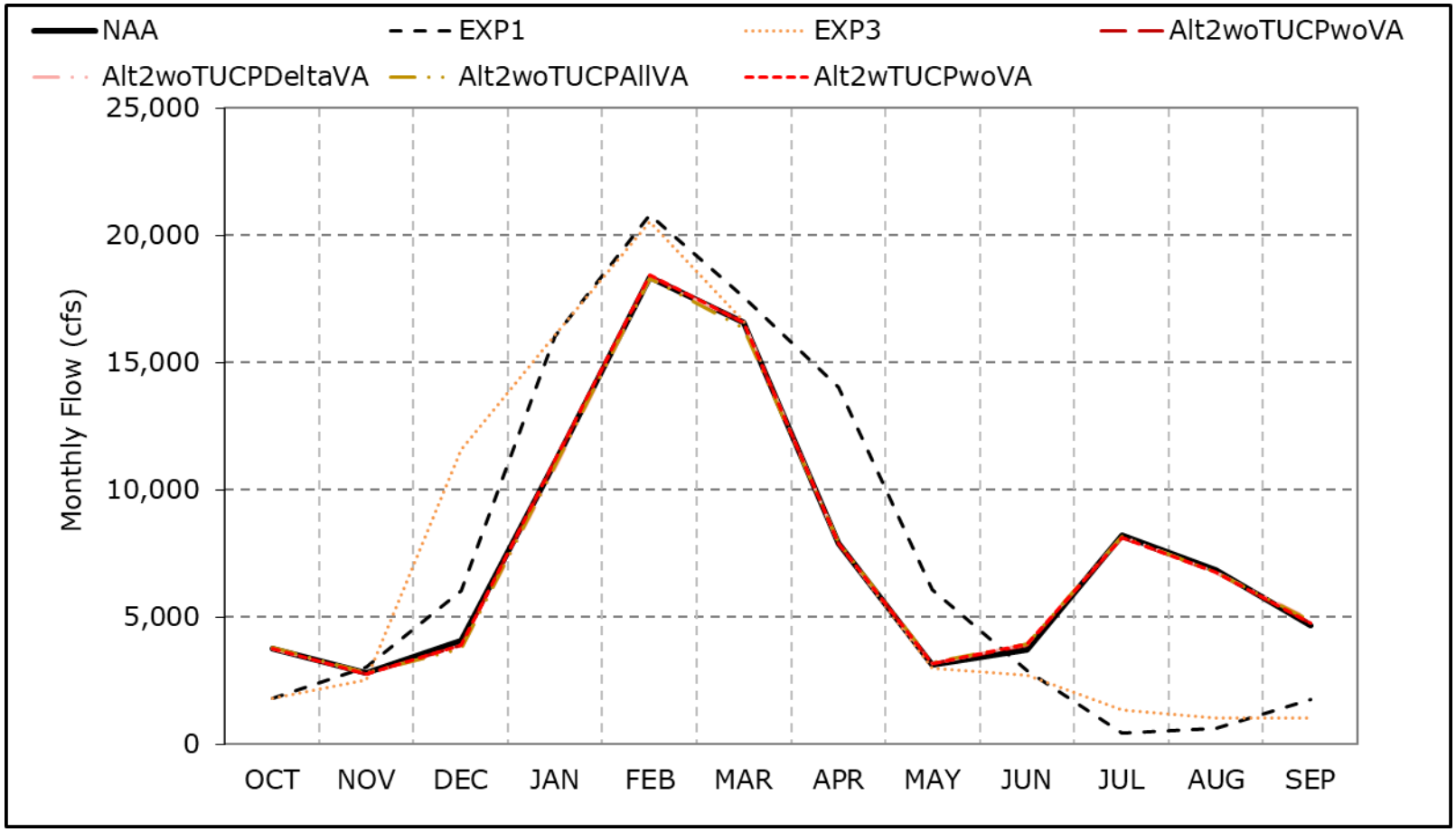
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



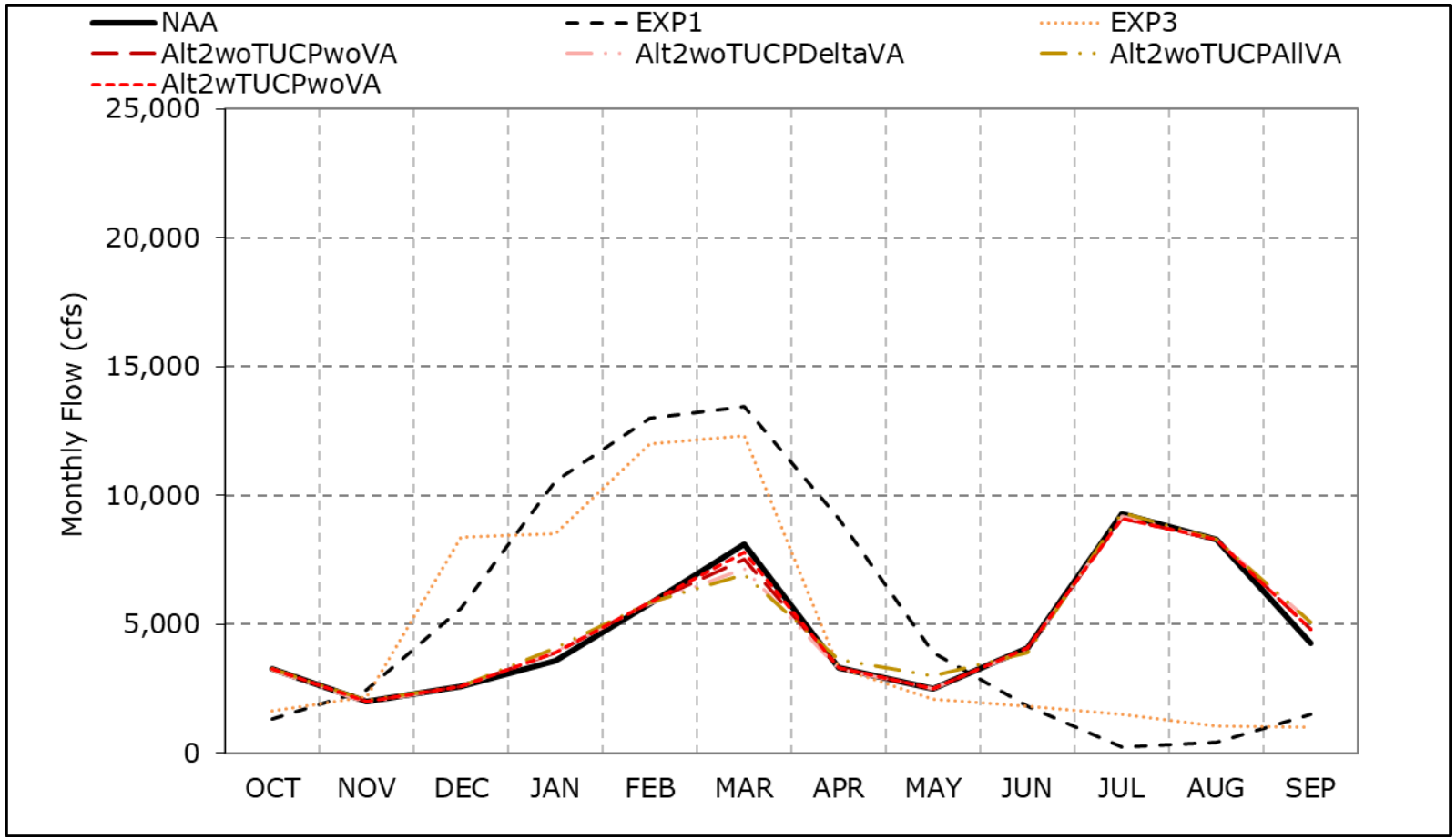
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



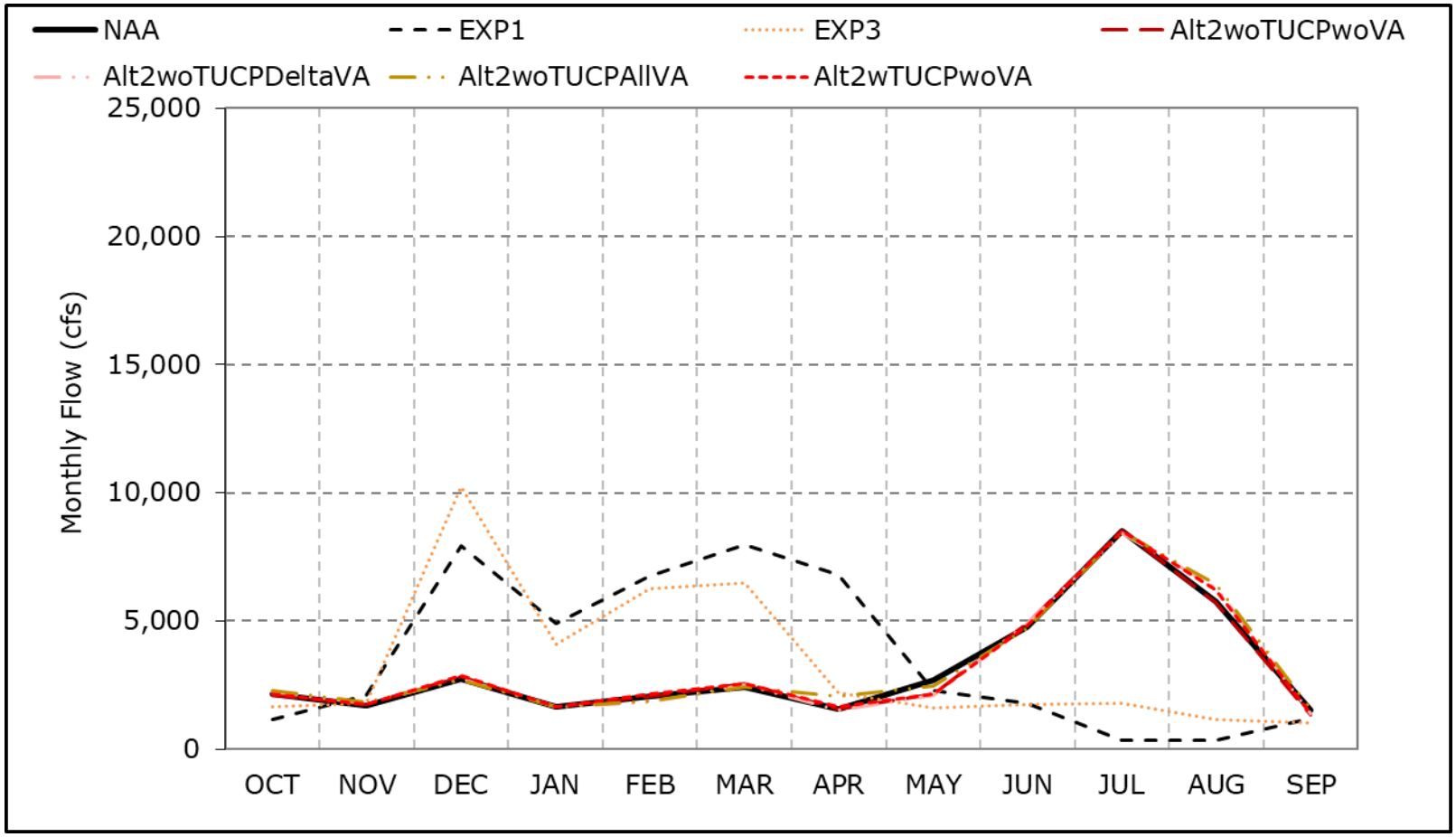
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



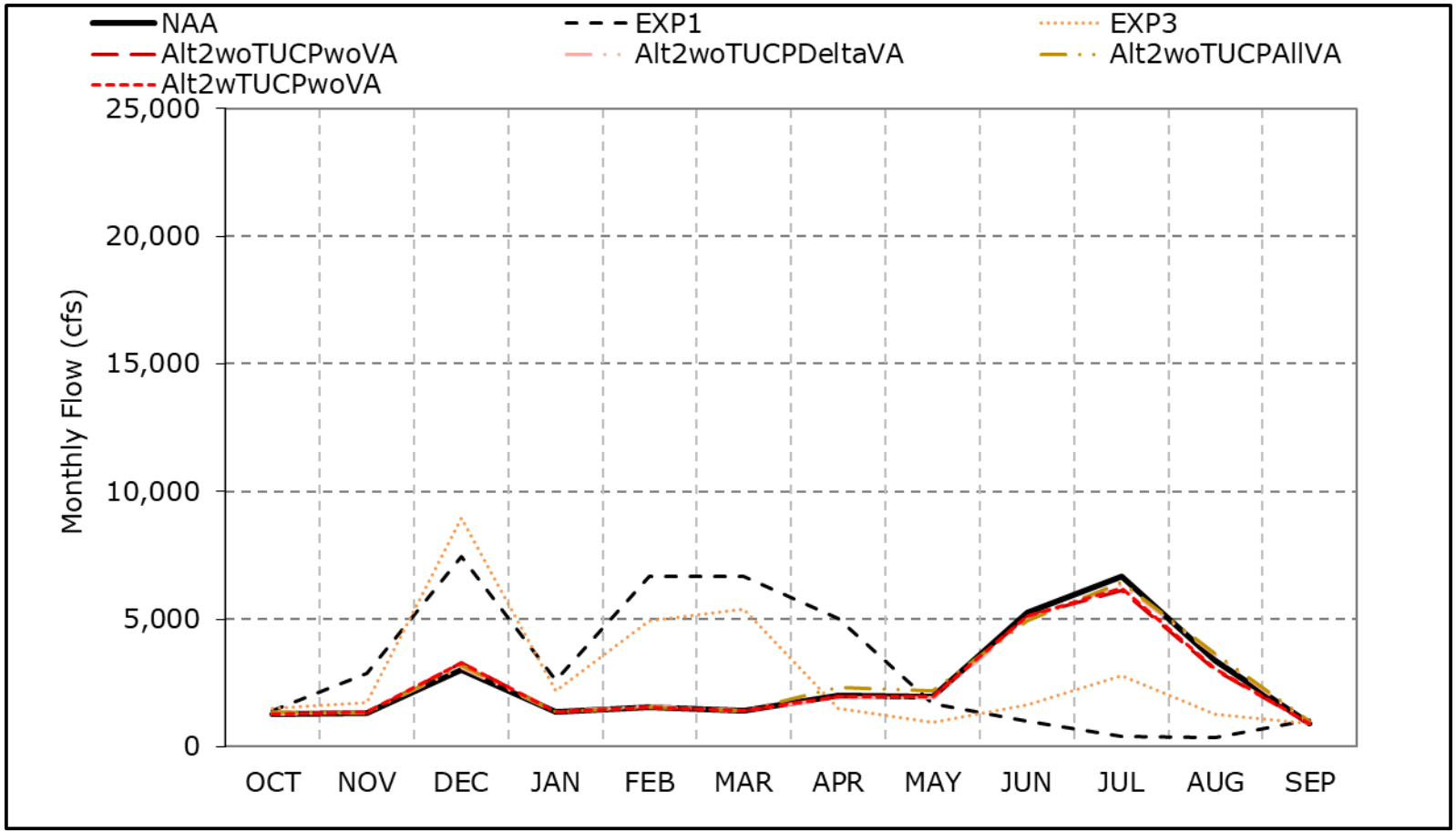
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



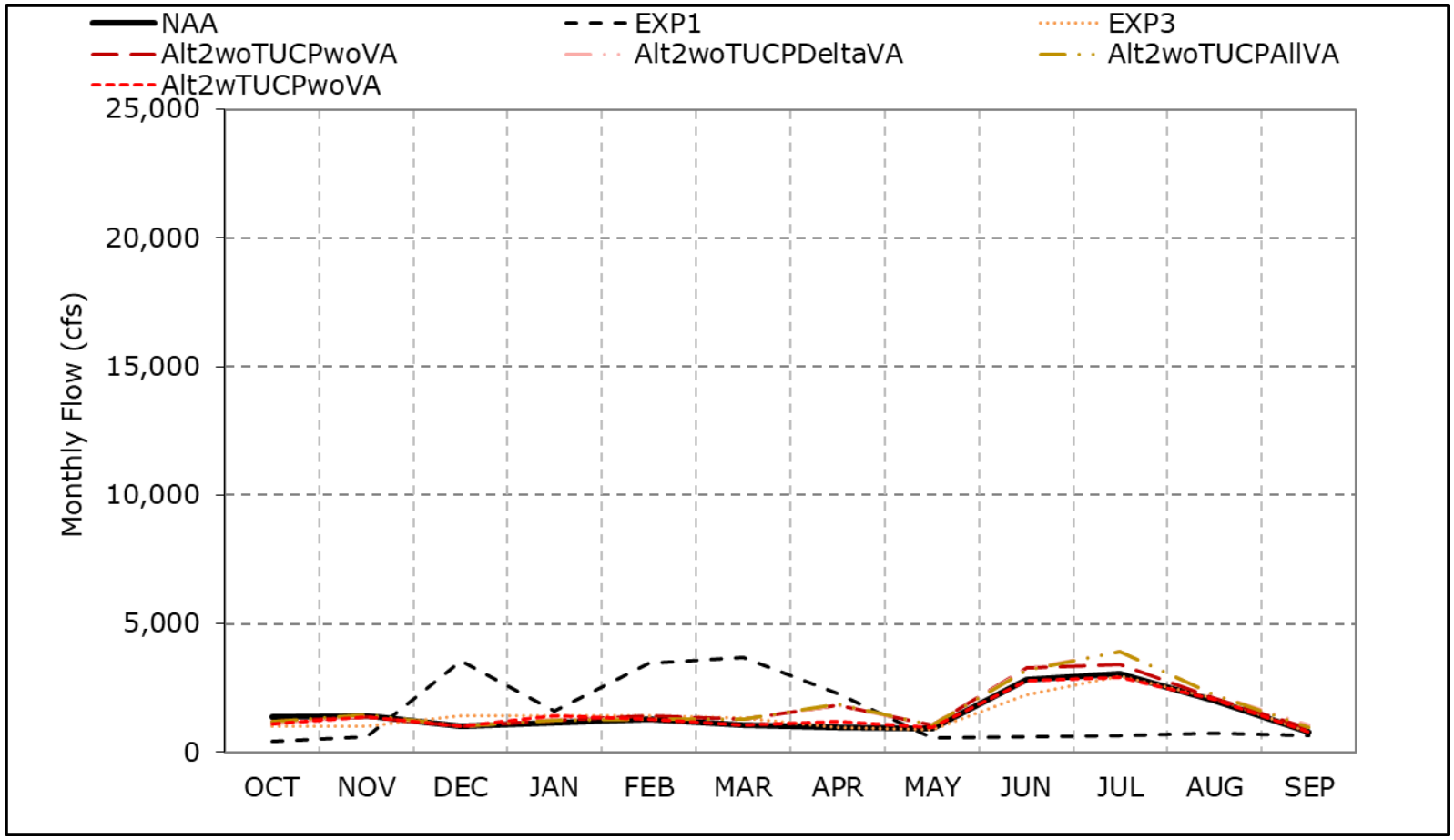
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



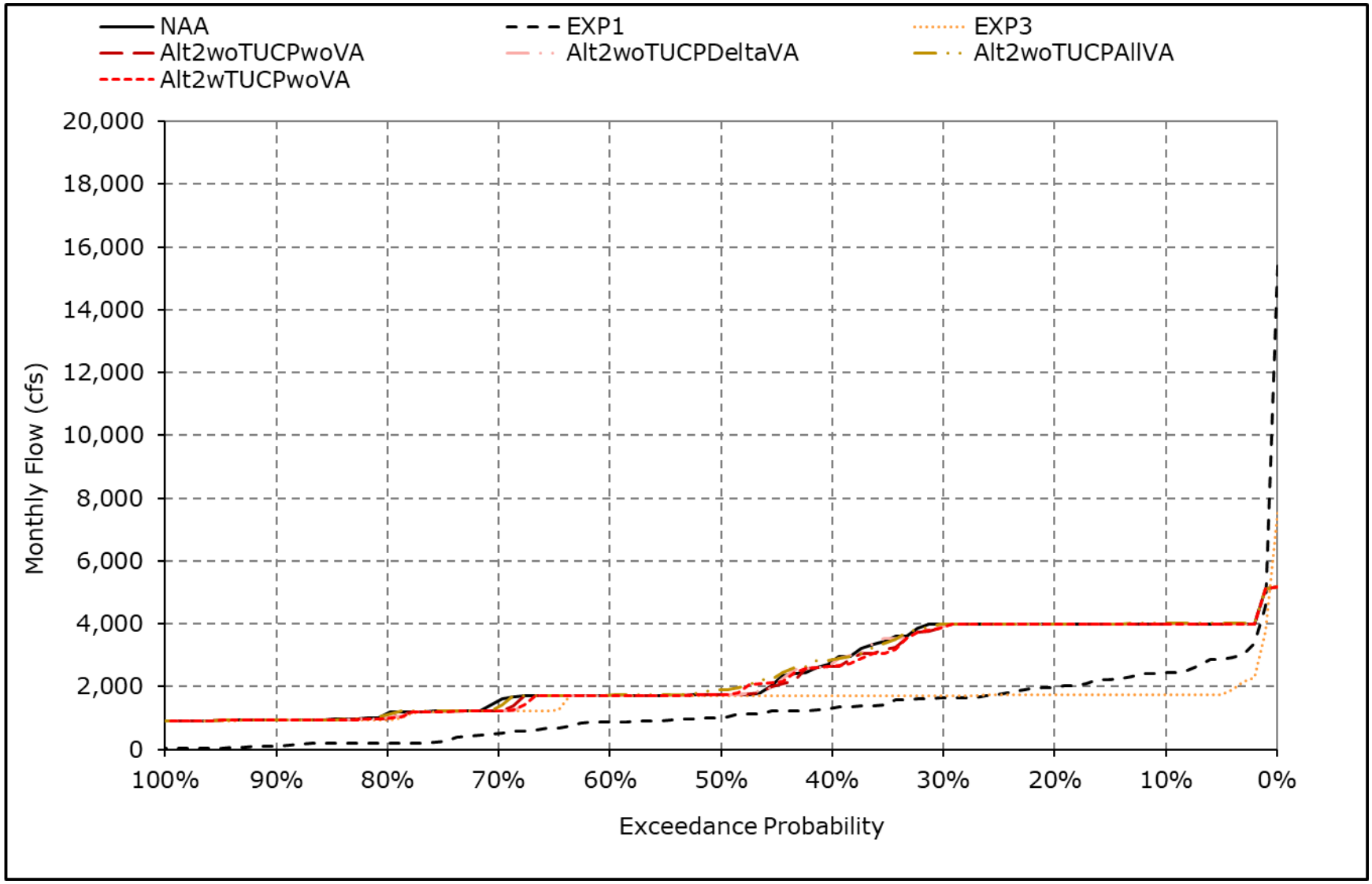
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



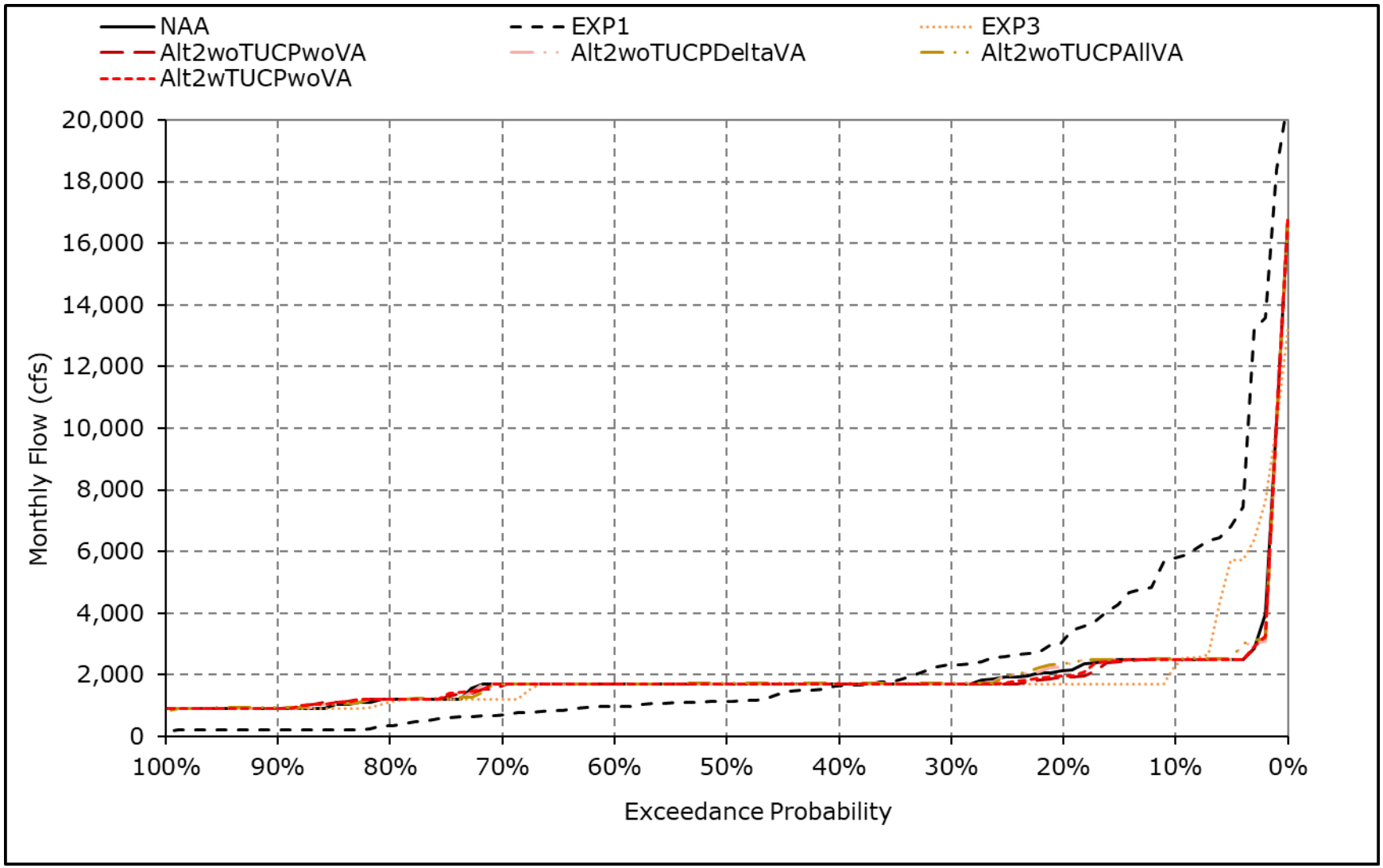
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



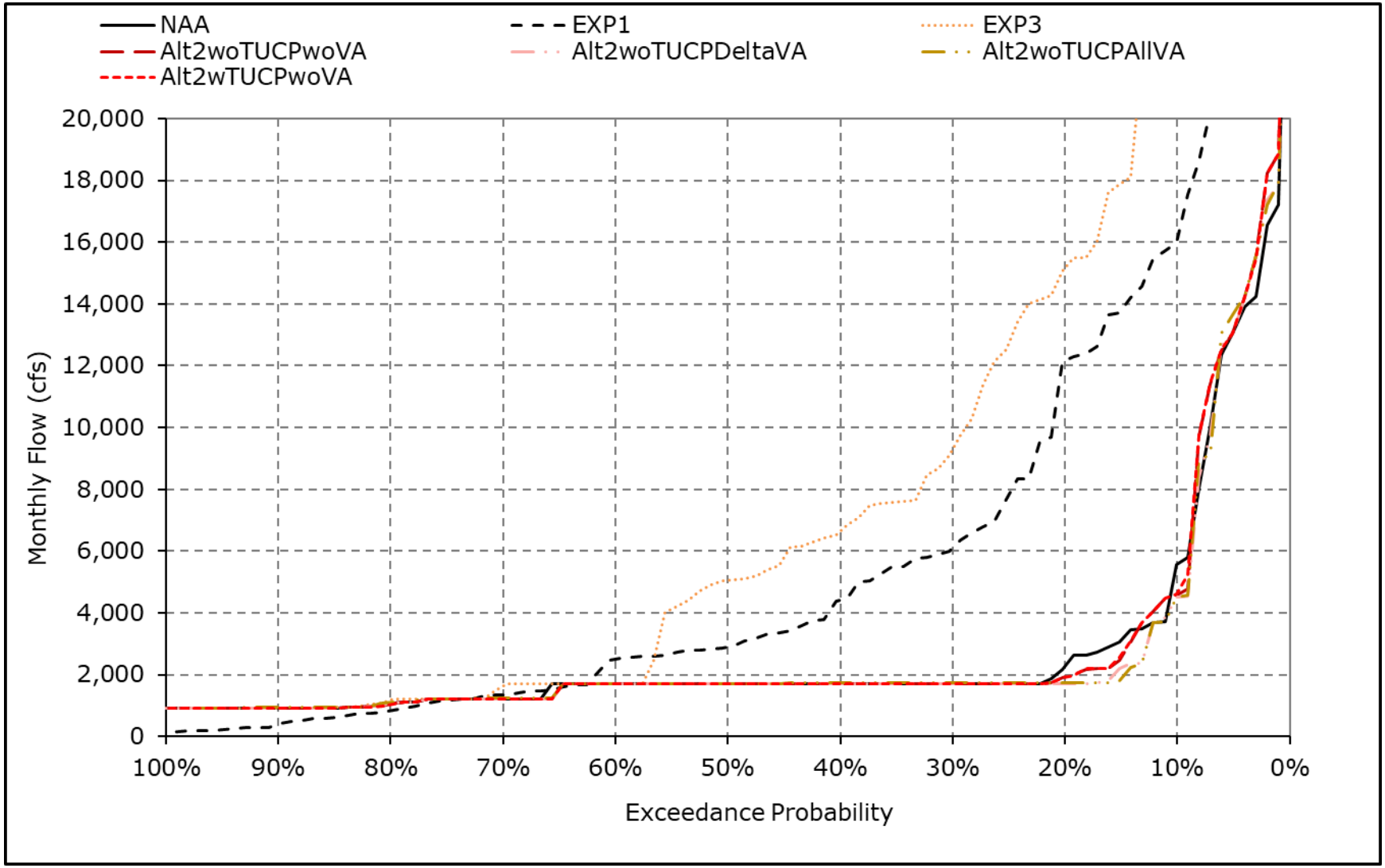
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



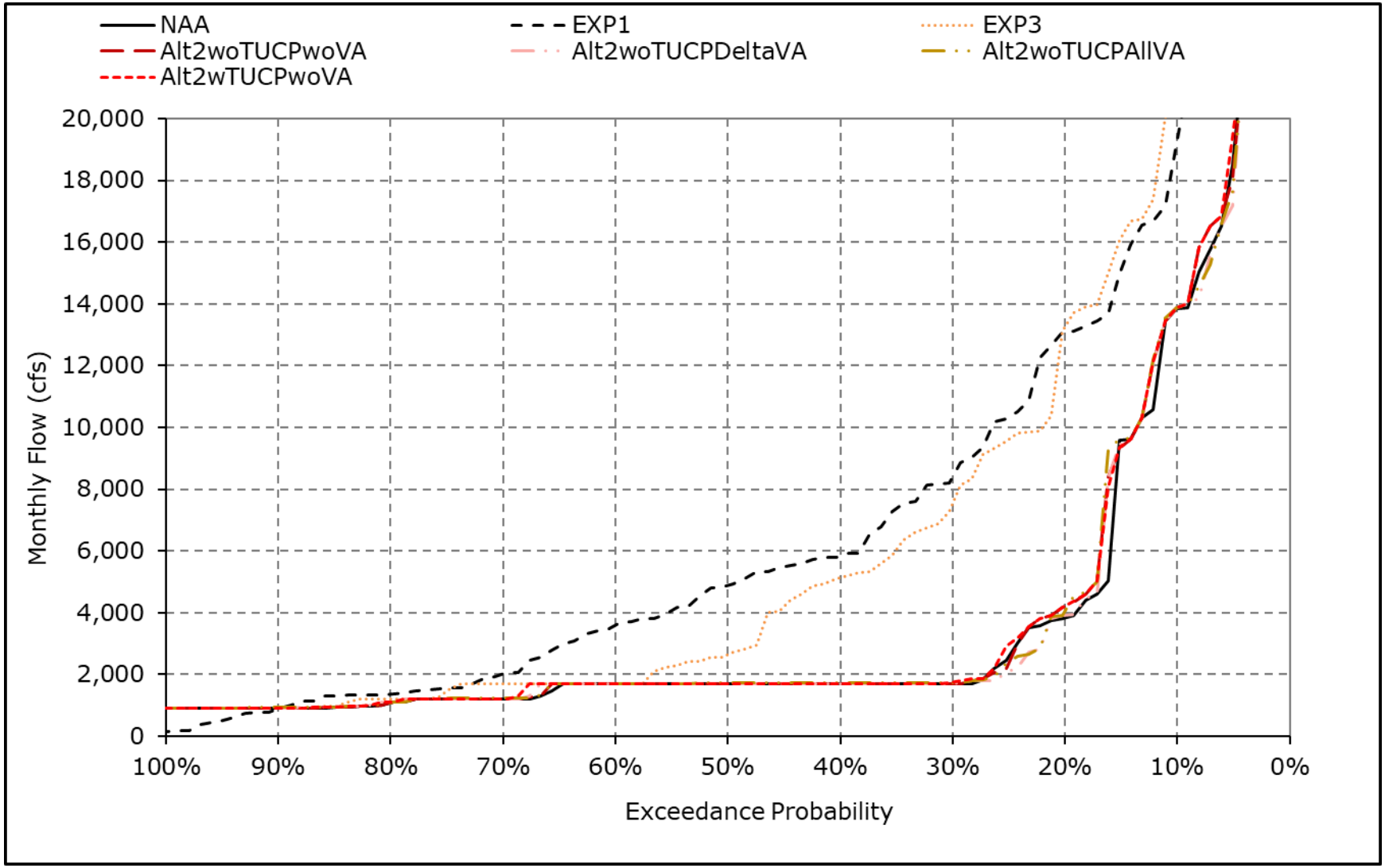
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



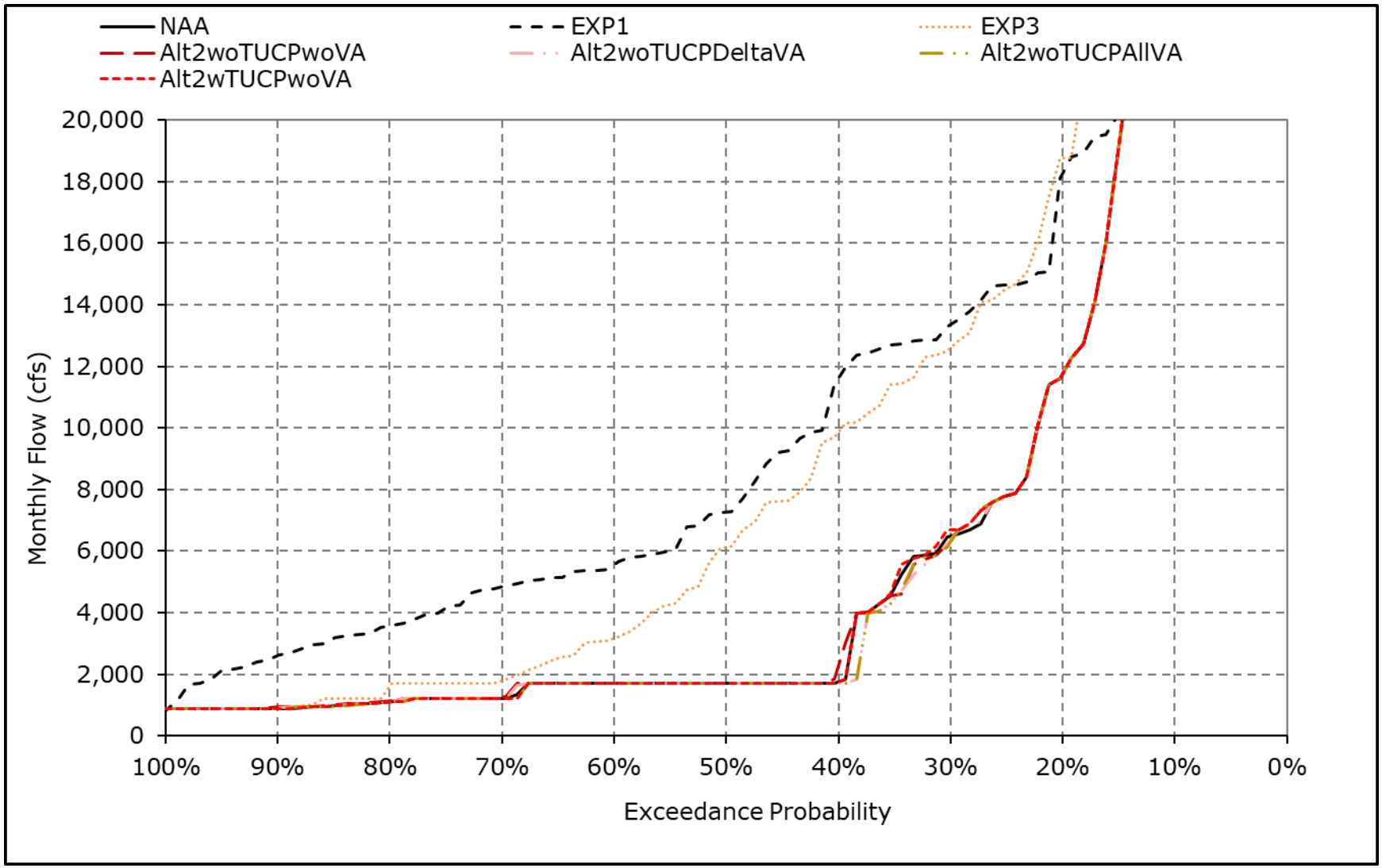
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



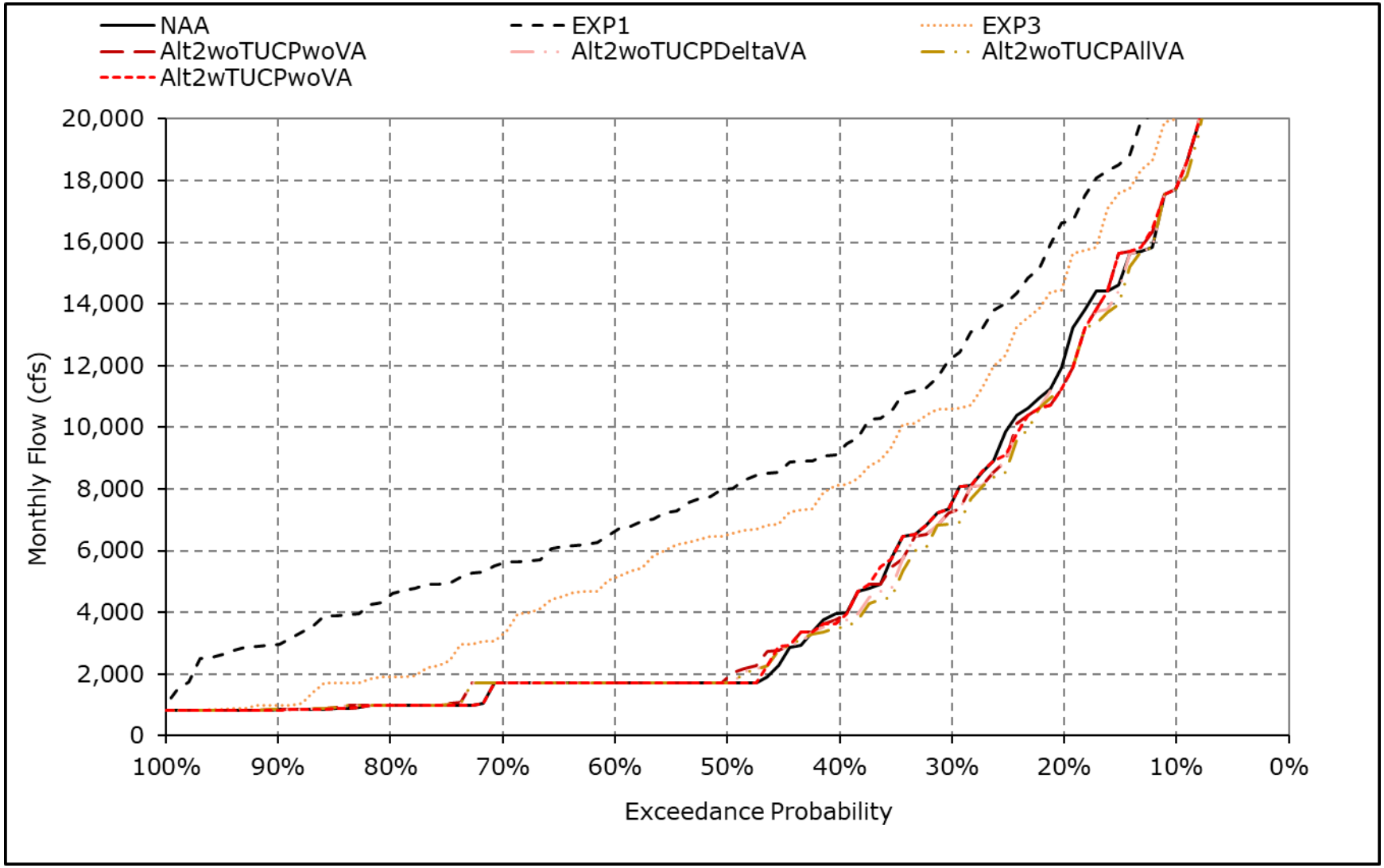
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



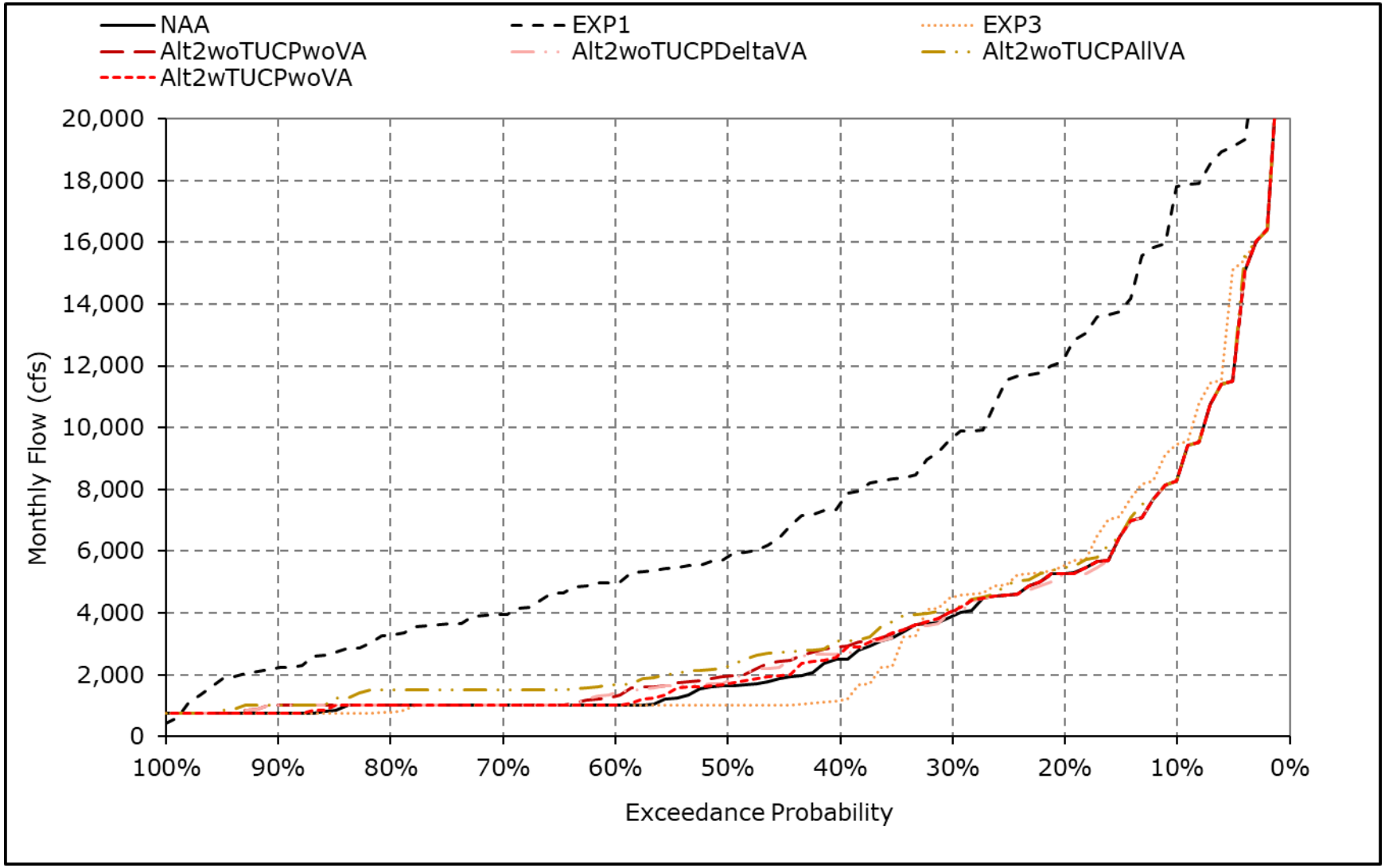
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



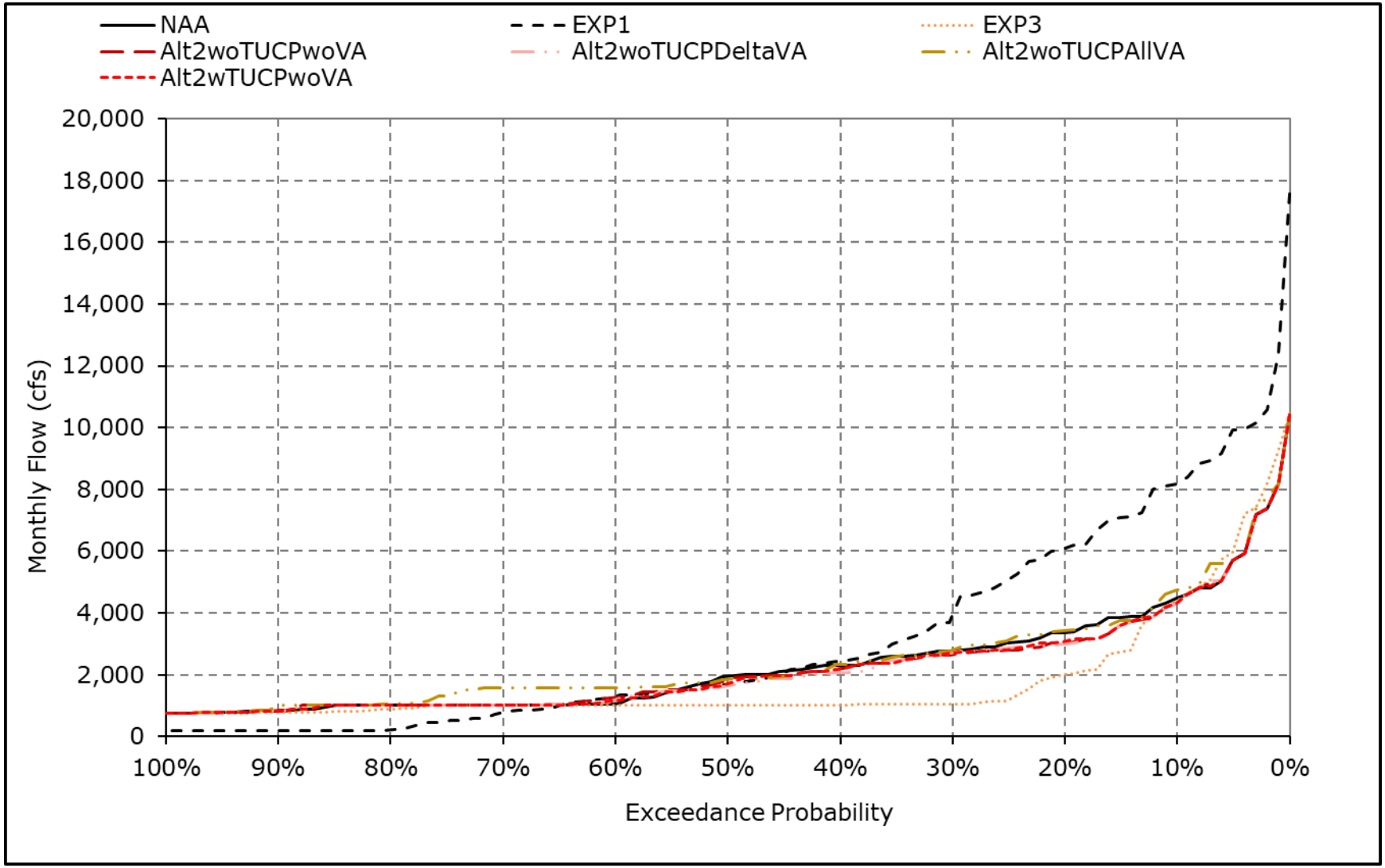
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



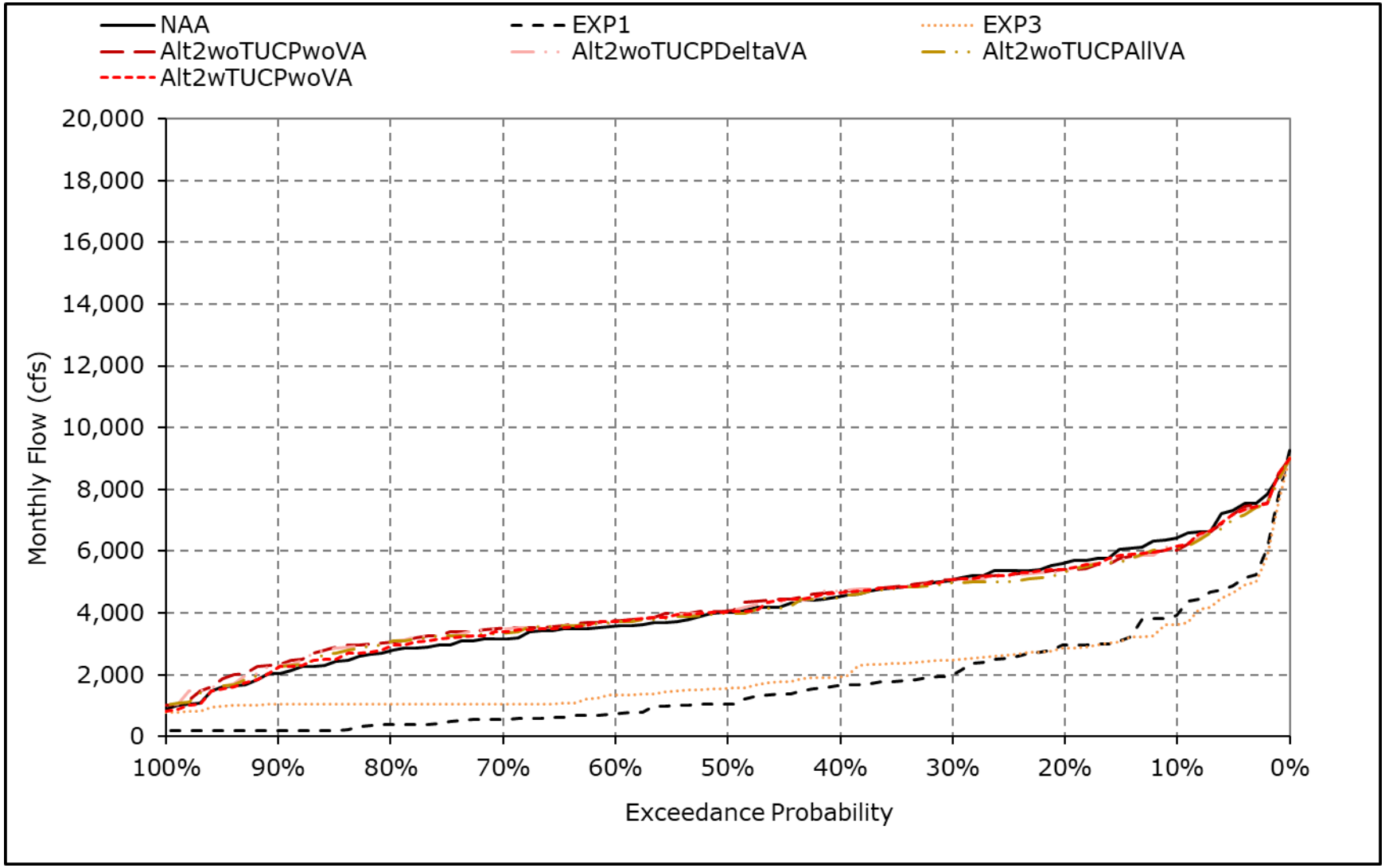
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



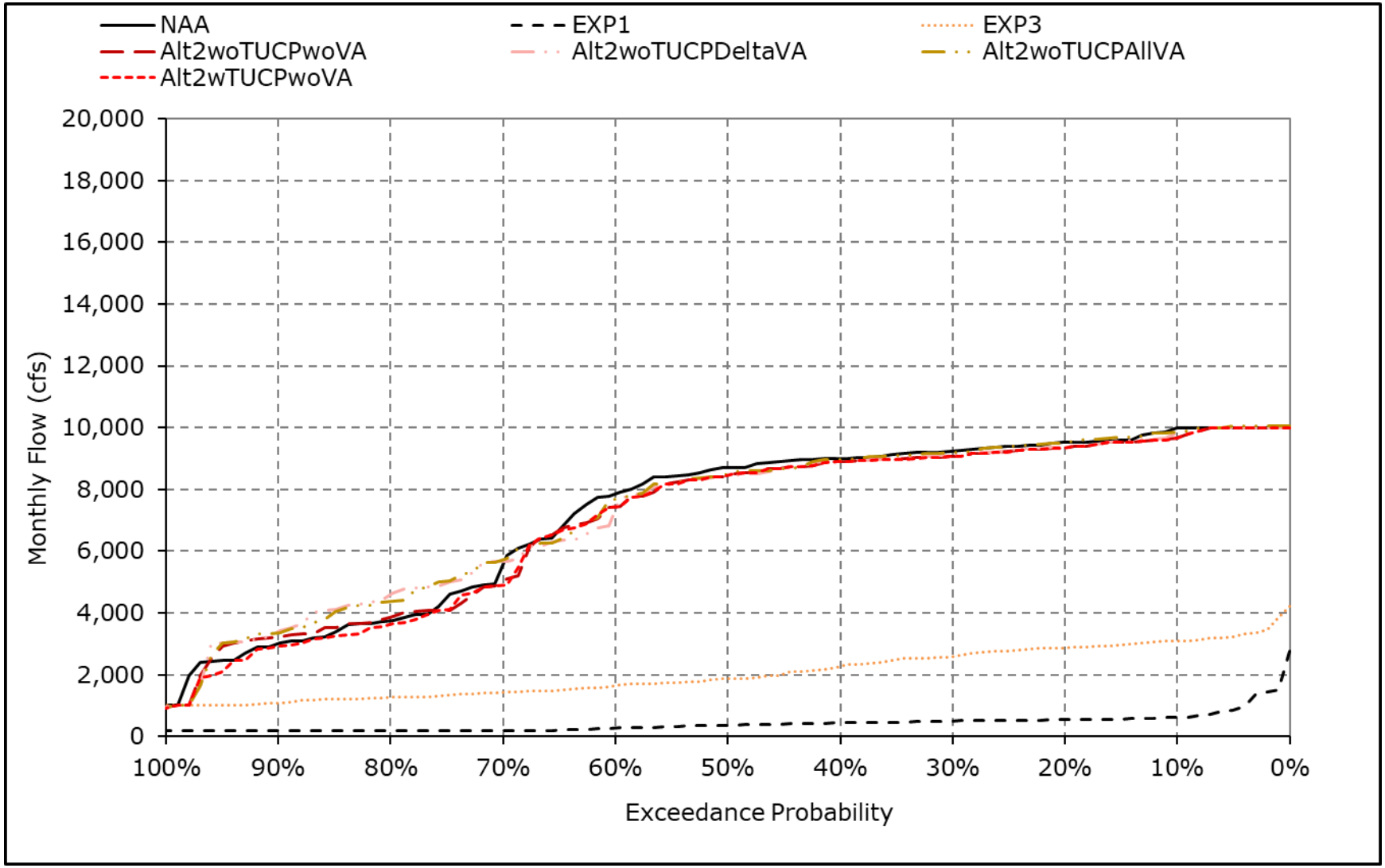
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



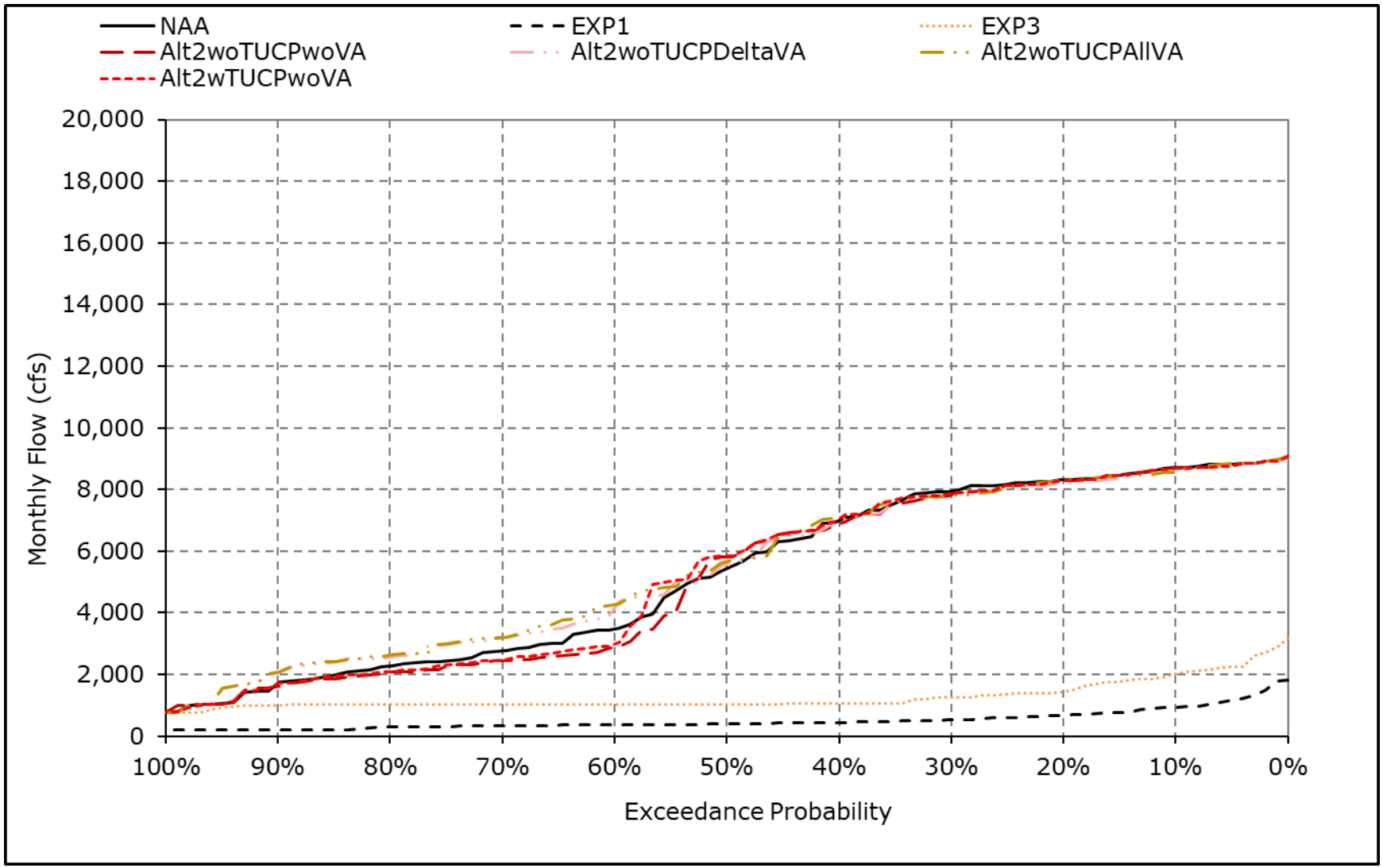
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-8-16. Feather River Flow downstream of Thermalito, July



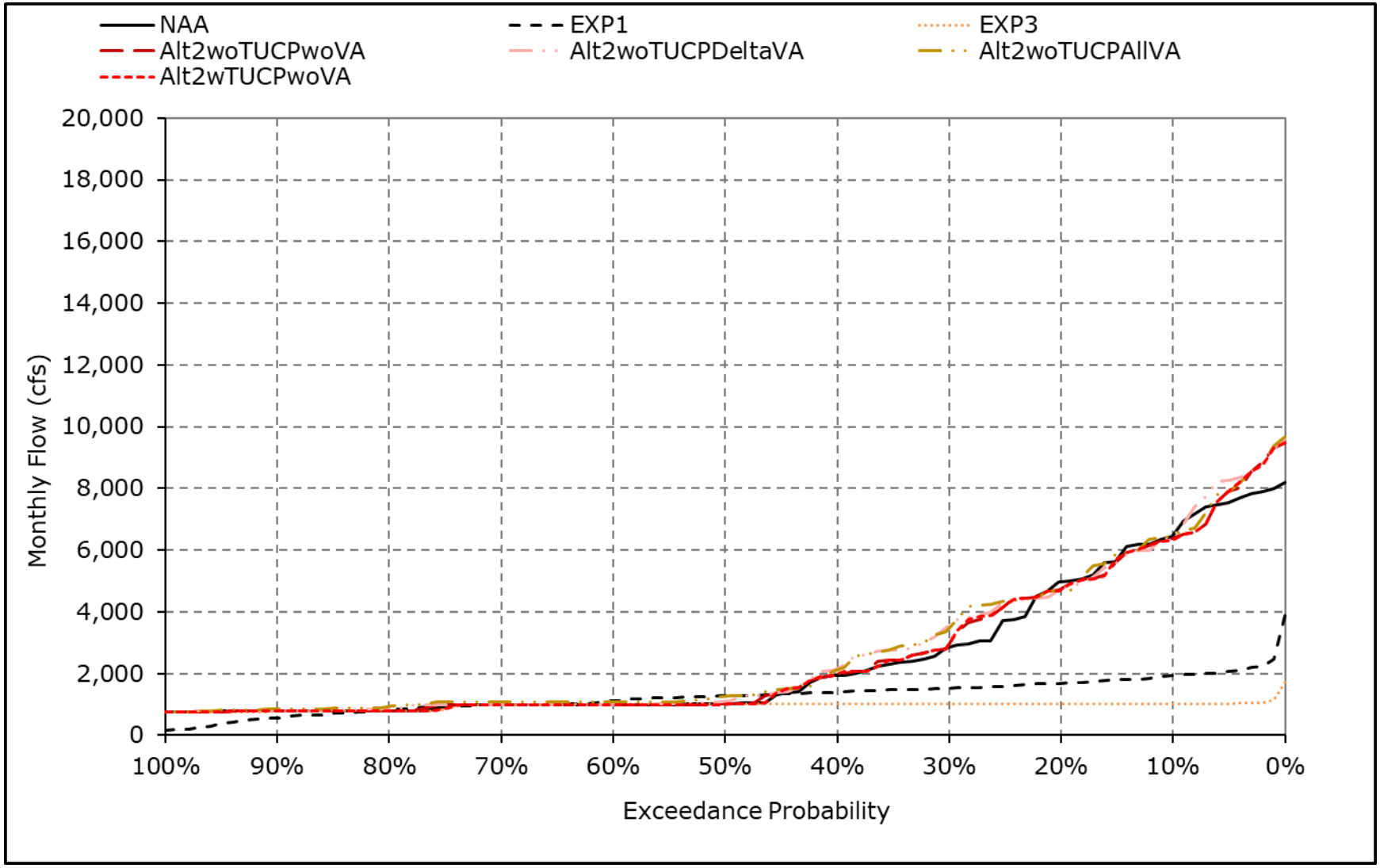
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-8-17. Feather River Flow downstream of Thermalito, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-8-18. Feather River Flow downstream of Thermalito, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-9-1a. Feather River at Sacramento River Confluence Flow, NAA, 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

Table F.2.2-9-1b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,704	4,194	16,270	28,568	40,076	30,085	16,872	10,065	7,143	9,829	9,716	8,225
20% Exceedance	4,488	3,485	9,348	16,821	22,417	21,492	12,773	7,354	6,298	9,610	9,315	6,411
30% Exceedance	4,364	3,049	5,095	9,293	15,371	15,468	8,860	5,201	5,855	9,427	8,785	4,598
40% Exceedance	3,503	2,814	4,136	6,459	10,574	11,174	5,852	4,393	5,385	9,237	8,129	3,391
50% Exceedance	2,788	2,679	3,347	5,425	7,508	7,418	4,782	3,713	5,031	8,797	6,757	2,599
60% Exceedance	2,300	2,467	2,987	4,389	5,113	5,632	3,775	3,501	4,722	7,865	3,753	2,173
70% Exceedance	2,116	2,253	2,721	3,364	4,021	4,307	3,316	3,139	4,490	5,226	2,991	1,945
80% Exceedance	1,633	1,919	2,422	2,642	3,553	3,313	2,708	2,634	4,113	4,169	2,725	1,798
90% Exceedance	1,437	1,717	1,990	2,265	2,874	2,380	2,095	2,021	3,226	3,671	2,496	1,654
Full Simulation Period Average[a]	3,123	3,340	7,124	11,143	14,842	13,351	7,958	5,051	5,304	7,448	6,073	3,929
Wet Water Years (28%)	4,423	4,504	8,526	25,092	34,012	28,801	16,262	8,293	6,095	8,637	8,113	6,483
Above Normal Water Years (14%)	4,030	3,673	6,089	12,665	15,075	16,394	8,292	5,841	5,501	9,400	9,377	6,426
Below Normal Water Years (18%)	2,767	2,795	7,927	5,864	7,024	7,370	5,135	4,294	5,603	8,845	6,581	2,634
Dry Water Years (24%)	2,286	3,064	8,193	3,708	5,890	5,047	3,867	3,444	5,436	6,476	3,773	1,960
Critical Water Years (16%)	1,557	1,929	2,866	2,488	3,314	2,839	2,444	1,946	3,213	3,544	2,492	1,689

Table F.2.2-9-1c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-38	-60	791	1,615	-189	238	-1	-1	-165	-114	-12	-108
20% Exceedance	-48	-25	-154	1,007	-140	-961	-1	32	-79	-25	33	57
30% Exceedance	-19	-63	-333	-8	218	-186	22	-92	-73	-128	-30	225
40% Exceedance	-327	-34	-78	-3	0	-27	-1	-173	-27	-80	37	78
50% Exceedance	-51	-18	-44	-29	-91	-1	37	-186	167	-204	246	-49
60% Exceedance	-41	-48	2	95	35	0	35	-9	87	-662	-510	-5
70% Exceedance	-33	-63	-21	150	-1	29	2	-134	82	-764	-375	23
80% Exceedance	-50	12	-4	27	44	27	307	-128	369	-2	-69	15
90% Exceedance	-19	46	-8	39	26	22	666	248	347	413	17	22
Full Simulation Period Average[a]	-59	-30	25	78	36	-18	124	-44	89	-93	-113	97
Wet Water Years (28%)	-44	-68	-170	78	51	4	0	44	178	-90	-94	119
Above Normal Water Years (14%)	-39	16	-17	315	77	-540	-51	5	-38	-153	-25	562
Below Normal Water Years (18%)	-59	-8	94	-13	-35	116	13	-537	85	70	-65	-172
Dry Water Years (24%)	-1	-11	243	-8	-14	-7	-7	5	-180	-516	-376	-7
Critical Water Years (16%)	-203	-61	0	106	131	233	817	239	456	407	117	107

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-2a. Feather River at Sacramento River Confluence Flow, NAA, 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

Table F.2.2-9-2b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,677	4,194	15,155	28,341	40,055	29,902	16,871	10,065	7,109	9,937	9,711	8,566
20% Exceedance	4,486	3,473	9,347	15,675	22,273	21,491	12,773	7,356	6,369	9,642	9,314	6,309
30% Exceedance	4,385	3,192	5,071	9,223	15,151	15,164	8,848	5,148	5,835	9,460	8,655	4,988
40% Exceedance	3,768	2,853	4,135	6,459	10,575	11,216	5,846	4,394	5,304	9,237	8,153	3,843
50% Exceedance	2,844	2,727	3,313	5,425	7,510	7,418	4,711	3,780	4,922	8,834	6,531	2,521
60% Exceedance	2,326	2,583	2,974	4,272	5,106	5,562	3,671	3,458	4,694	7,627	5,435	2,142
70% Exceedance	2,070	2,351	2,718	3,338	4,021	4,306	3,161	2,986	4,525	6,037	3,925	1,953
80% Exceedance	1,648	2,025	2,402	2,643	3,547	3,313	2,700	2,612	3,911	4,954	3,276	1,819
90% Exceedance	1,436	1,668	2,006	2,265	2,846	2,379	2,149	2,051	3,190	3,771	2,746	1,711
Full Simulation Period Average[a]	3,142	3,378	7,033	11,061	14,768	13,290	7,918	5,025	5,267	7,577	6,346	4,020
Wet Water Years (28%)	4,442	4,559	8,418	24,802	33,918	28,794	16,261	8,267	6,105	8,673	8,115	6,591
Above Normal Water Years (14%)	4,023	3,657	6,089	12,691	15,047	16,047	8,199	5,835	5,448	9,468	9,372	6,690
Below Normal Water Years (18%)	2,907	2,839	7,810	5,842	6,853	7,313	5,070	4,260	5,599	8,736	7,176	2,716
Dry Water Years (24%)	2,283	3,081	8,024	3,695	5,907	5,049	3,824	3,402	5,310	6,710	4,369	1,938
Critical Water Years (16%)	1,490	2,016	2,875	2,506	3,209	2,830	2,417	1,936	3,206	4,003	2,633	1,775

Table F.2.2-9-2c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-65	-59	-324	1,388	-209	55	-2	-2	-199	-6	-17	233
20% Exceedance	-50	-36	-154	-140	-284	-962	-1	34	-9	7	33	-45
30% Exceedance	1	79	-356	-77	-2	-490	9	-146	-94	-95	-159	615
40% Exceedance	-62	5	-78	-4	0	15	-6	-172	-108	-80	61	530
50% Exceedance	4	30	-77	-29	-89	-1	-33	-119	58	-167	20	-128
60% Exceedance	-15	67	-11	-22	28	-69	-69	-52	59	-901	1,172	-36
70% Exceedance	-80	36	-24	124	-1	27	-153	-287	116	47	559	31
80% Exceedance	-34	118	-25	28	38	26	300	-150	166	783	482	36
90% Exceedance	-21	-3	8	39	-2	21	720	278	311	512	267	80
Full Simulation Period Average[a]	-40	8	-65	-3	-38	-80	84	-70	53	37	160	187
Wet Water Years (28%)	-24	-12	-278	-213	-43	-3	-1	18	187	-54	-92	228
Above Normal Water Years (14%)	-46	-1	-17	342	49	-887	-144	-1	-91	-85	-30	826
Below Normal Water Years (18%)	82	36	-23	-35	-206	58	-53	-572	81	-39	531	-90
Dry Water Years (24%)	-4	7	74	-22	2	-4	-49	-37	-306	-281	220	-29
Critical Water Years (16%)	-270	26	10	125	26	224	789	229	448	866	258	193

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-3a. Feather River at Sacramento River Confluence Flow, NAA, 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

Table F.2.2-9-3b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,725	4,194	14,721	28,160	40,067	29,604	16,837	10,062	7,016	9,958	9,687	8,514
20% Exceedance	4,506	3,510	9,356	15,764	22,274	21,491	14,095	7,597	6,306	9,735	9,321	6,631
30% Exceedance	4,395	3,231	5,081	9,285	15,412	15,165	9,897	5,880	5,760	9,546	8,657	4,882
40% Exceedance	3,764	2,837	4,162	6,453	10,552	10,919	6,667	5,040	5,238	9,302	8,064	3,987
50% Exceedance	2,884	2,731	3,344	5,422	7,508	7,418	5,841	4,376	4,875	8,782	6,746	2,643
60% Exceedance	2,499	2,605	2,969	4,241	5,100	5,562	4,982	3,810	4,680	8,097	5,399	2,240
70% Exceedance	2,205	2,369	2,761	3,307	4,021	4,306	4,037	3,293	4,519	6,044	3,920	2,018
80% Exceedance	1,692	1,999	2,408	2,642	3,496	3,312	3,335	2,995	3,816	4,937	3,334	1,890
90% Exceedance	1,458	1,703	2,021	2,261	2,845	2,379	2,651	2,047	3,033	3,870	2,751	1,763
Full Simulation Period Average[a]	3,185	3,393	7,052	11,099	14,776	13,184	8,637	5,418	5,229	7,610	6,397	4,060
Wet Water Years (28%)	4,446	4,558	8,412	24,882	33,937	28,551	16,380	8,329	6,103	8,679	8,136	6,556
Above Normal Water Years (14%)	4,059	3,705	6,115	12,842	15,094	15,865	9,240	6,715	5,440	9,556	9,381	6,735
Below Normal Water Years (18%)	2,940	2,892	7,773	5,855	6,885	7,258	6,574	4,969	5,472	8,765	7,320	2,892
Dry Water Years (24%)	2,377	3,074	8,117	3,701	5,869	5,040	4,916	3,902	5,280	6,752	4,449	2,025
Critical Water Years (16%)	1,545	2,014	2,879	2,452	3,202	2,826	2,462	1,968	3,168	4,022	2,625	1,715

Table F.2.2-9-3c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-17	-59	-758	1,207	-198	-243	-36	-4	-292	15	-41	181
20% Exceedance	-30	1	-145	-50	-282	-961	1,321	274	-72	101	40	277
30% Exceedance	12	119	-346	-15	259	-488	1,058	586	-169	-9	-157	509
40% Exceedance	-66	-11	-52	-10	-22	-283	814	475	-174	-14	-28	674
50% Exceedance	45	34	-46	-32	-91	-1	1,096	477	11	-219	235	-5
60% Exceedance	158	90	-16	-53	21	-70	1,242	300	44	-430	1,137	62
70% Exceedance	56	54	19	93	-1	27	722	20	110	54	554	96
80% Exceedance	9	92	-18	27	-13	26	934	233	71	767	540	108
90% Exceedance	1	32	23	35	-3	21	1,222	274	154	612	273	132
Full Simulation Period Average[a]	3	23	-47	35	-30	-186	804	323	15	69	211	227
Wet Water Years (28%)	-20	-13	-284	-133	-24	-245	118	80	185	-48	-70	192
Above Normal Water Years (14%)	-10	48	9	492	96	-1,069	897	879	-99	3	-22	871
Below Normal Water Years (18%)	114	90	-60	-23	-173	4	1,451	138	-46	-10	675	87
Dry Water Years (24%)	90	-1	167	-15	-36	-13	1,043	463	-336	-239	300	58
Critical Water Years (16%)	-215	24	14	70	20	219	834	260	411	884	250	133

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-4a. Feather River at Sacramento River Confluence Flow, NAA, 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

Table F.2.2-9-4b. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,706	4,194	16,261	28,542	40,062	29,802	16,872	10,067	7,147	9,827	9,716	8,221
20% Exceedance	4,487	3,485	9,348	16,826	22,985	21,491	13,294	7,356	6,364	9,608	9,305	6,405
30% Exceedance	4,385	3,066	5,099	9,243	15,373	15,662	8,841	5,345	5,859	9,426	8,788	4,646
40% Exceedance	3,416	2,814	4,137	6,460	10,575	11,248	5,852	4,382	5,328	9,235	8,117	3,432
50% Exceedance	2,922	2,684	3,347	5,425	7,509	7,419	4,781	3,712	4,999	8,795	6,763	2,630
60% Exceedance	2,326	2,481	2,984	4,389	5,077	5,632	3,779	3,500	4,709	7,851	4,095	2,180
70% Exceedance	2,089	2,256	2,704	3,442	4,021	4,271	3,316	3,139	4,428	5,421	3,049	1,926
80% Exceedance	1,626	1,919	2,421	2,669	3,496	3,286	2,529	2,639	3,891	4,082	2,713	1,787
90% Exceedance	1,427	1,719	2,010	2,350	2,846	2,356	1,546	1,854	2,874	3,333	2,455	1,632
Full Simulation Period Average[a]	3,125	3,353	7,129	11,179	14,851	13,353	7,877	5,032	5,219	7,373	6,148	3,933
Wet Water Years (28%)	4,423	4,504	8,525	25,135	34,054	28,804	16,263	8,293	6,100	8,633	8,119	6,484
Above Normal Water Years (14%)	4,032	3,673	6,095	12,648	15,074	16,655	8,317	5,843	5,488	9,397	9,377	6,448
Below Normal Water Years (18%)	2,828	2,828	7,955	5,867	7,132	7,387	5,215	4,324	5,525	8,842	7,033	2,734
Dry Water Years (24%)	2,283	3,085	8,197	3,708	5,889	5,041	3,869	3,447	5,448	6,550	3,814	1,963
Critical Water Years (16%)	1,501	1,942	2,859	2,655	3,176	2,604	1,822	1,791	2,754	2,977	2,378	1,570

Table F.2.2-9-4c. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-36	-59	782	1,589	-203	-45	-1	0	-161	-116	-12	-111
20% Exceedance	-49	-25	-153	1,011	428	-961	520	34	-14	-26	24	51
30% Exceedance	1	-46	-329	-57	220	8	2	51	-70	-128	-26	273
40% Exceedance	-414	-34	-77	-3	0	47	-1	-183	-84	-82	25	119
50% Exceedance	83	-13	-44	-28	-90	0	36	-187	135	-207	253	-19
60% Exceedance	-14	-34	-1	95	-1	0	39	-10	73	-676	-168	2
70% Exceedance	-61	-60	-38	228	-2	-7	2	-135	20	-569	-317	4
80% Exceedance	-57	12	-5	54	-13	-1	128	-123	146	-89	-81	4
90% Exceedance	-30	48	13	124	-2	-1	117	81	-4	74	-24	1
Full Simulation Period Average[a]	-57	-17	31	115	45	-16	43	-63	5	-168	-38	100
Wet Water Years (28%)	-44	-68	-171	120	92	8	1	44	182	-94	-87	121
Above Normal Water Years (14%)	-36	16	-11	298	76	-280	-26	7	-51	-156	-26	585
Below Normal Water Years (18%)	2	25	122	-10	74	133	92	-508	7	67	387	-72
Dry Water Years (24%)	-4	10	247	-8	-15	-12	-5	8	-168	-441	-335	-4
Critical Water Years (16%)	-259	-47	-6	273	-7	-2	195	83	-3	-160	3	-12

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-5a. Feather River at Sacramento River Confluence Flow, NAA, 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

Table F.2.2-9-5b. Feather River at Sacramento River Confluence Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,671	4,004	34,353	36,387	40,810	32,908	19,055	10,264	5,341	3,293	2,665	2,379
20% Exceedance	2,426	3,247	20,817	25,067	28,525	24,442	13,685	7,300	4,179	2,812	2,454	2,063
30% Exceedance	2,312	2,654	12,695	14,088	22,060	19,711	9,947	4,227	2,854	2,633	2,313	1,911
40% Exceedance	2,270	2,579	8,468	10,356	17,791	15,183	6,458	3,596	2,580	2,449	1,934	1,819
50% Exceedance	2,244	2,452	6,360	8,336	12,095	11,805	4,431	3,384	2,504	2,333	1,776	1,700
60% Exceedance	2,207	2,297	3,673	5,477	7,415	9,688	3,387	2,761	2,368	2,138	1,612	1,594
70% Exceedance	1,754	2,073	2,763	3,448	4,223	6,149	2,700	2,190	2,005	1,958	1,522	1,539
80% Exceedance	1,592	1,777	2,412	2,828	3,705	4,044	2,145	1,696	1,746	1,777	1,392	1,491
90% Exceedance	1,426	1,521	1,952	2,282	2,906	2,578	1,435	1,427	1,443	1,674	1,316	1,369
Full Simulation Period Average[a]	2,274	3,295	12,447	14,034	17,887	15,727	8,055	4,586	3,191	2,375	1,910	1,786
Wet Water Years (28%)	2,487	4,182	15,608	30,556	36,529	29,005	16,346	8,185	5,047	2,186	2,129	2,143
Above Normal Water Years (14%)	2,384	3,737	11,432	17,309	21,127	21,237	8,778	5,520	3,356	1,983	1,923	1,921
Below Normal Water Years (18%)	2,286	2,792	14,679	8,459	11,108	11,284	6,019	3,781	2,707	2,092	1,605	1,722
Dry Water Years (24%)	2,501	3,438	13,478	4,597	9,043	8,914	3,787	2,401	2,018	2,825	1,714	1,619
Critical Water Years (16%)	1,392	1,574	3,235	2,685	3,323	2,884	1,604	1,654	2,103	2,694	2,150	1,369

Table F.2.2-9-5c. Feather River at Sacramento River Confluence Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,071	-249	18,874	9,434	545	3,061	2,182	197	-1,966	-6,650	-7,063	-5,953
20% Exceedance	-2,110	-262	11,316	9,252	5,968	1,990	911	-22	-2,199	-6,823	-6,827	-4,291
30% Exceedance	-2,071	-458	7,268	4,788	6,907	4,058	1,108	-1,067	-3,075	-6,921	-6,501	-2,462
40% Exceedance	-1,560	-269	4,254	3,893	7,217	3,982	606	-969	-2,832	-6,868	-6,158	-1,493
50% Exceedance	-595	-246	2,969	2,882	4,496	4,386	-313	-514	-2,360	-6,669	-4,735	-949
60% Exceedance	-134	-218	688	1,183	2,337	4,056	-353	-749	-2,267	-6,389	-2,651	-584
70% Exceedance	-396	-242	21	234	201	1,871	-615	-1,083	-2,404	-4,032	-1,844	-382
80% Exceedance	-90	-130	-14	213	196	758	-256	-1,066	-1,999	-2,394	-1,402	-291
90% Exceedance	-30	-150	-45	55	58	220	6	-346	-1,436	-1,584	-1,163	-262
Full Simulation Period Average[a]	-908	-74	5,349	2,970	3,081	2,357	221	-509	-2,023	-5,165	-4,277	-2,046
Wet Water Years (28%)	-1,979	-390	6,912	5,541	2,567	209	84	-65	-870	-6,541	-6,077	-4,220
Above Normal Water Years (14%)	-1,685	79	5,326	4,959	6,129	4,303	435	-316	-2,183	-7,570	-7,480	-3,943
Below Normal Water Years (18%)	-540	-11	6,846	2,581	4,050	4,030	896	-1,051	-2,811	-6,683	-5,040	-1,083
Dry Water Years (24%)	214	363	5,528	881	3,138	3,861	-87	-1,038	-3,597	-4,166	-2,436	-348
Critical Water Years (16%)	-368	-416	370	304	141	277	-23	-54	-654	-443	-225	-213

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-6a. Feather River at Sacramento River Confluence Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,142	7,619	26,723	36,086	39,202	33,787	26,522	14,889	6,481	1,361	2,170	2,894
20% Exceedance	2,612	4,745	17,580	25,563	28,348	27,078	20,315	10,472	4,631	1,072	1,673	2,499
30% Exceedance	2,218	2,948	8,904	14,888	23,059	20,912	14,615	7,085	3,701	846	1,212	2,012
40% Exceedance	1,905	2,359	6,713	11,443	19,074	15,759	12,359	4,978	2,929	789	810	1,689
50% Exceedance	1,593	2,021	4,444	8,760	13,247	13,627	9,523	4,083	2,083	747	681	1,486
60% Exceedance	1,344	1,609	3,658	6,402	8,972	9,973	7,169	3,255	1,491	683	585	1,312
70% Exceedance	1,028	1,316	2,547	4,137	7,455	8,529	5,425	2,503	1,051	549	463	1,099
80% Exceedance	811	829	1,760	2,603	5,440	6,206	3,991	1,510	646	379	362	1,003
90% Exceedance	624	684	1,286	1,947	4,142	4,463	2,953	894	393	253	244	742
Full Simulation Period Average[a]	1,996	3,592	10,120	14,282	18,792	17,019	12,166	6,130	2,961	863	976	1,706
Wet Water Years (28%)	2,464	4,599	10,466	30,092	36,643	29,824	21,997	11,416	5,458	1,372	1,566	2,559
Above Normal Water Years (14%)	2,075	3,922	8,845	18,907	22,111	22,351	14,109	7,602	3,503	816	1,135	2,010
Below Normal Water Years (18%)	1,736	2,940	12,494	8,871	11,571	12,664	10,317	4,737	2,752	748	651	1,515
Dry Water Years (24%)	2,397	4,342	12,025	4,879	10,620	10,189	7,086	3,265	1,466	551	572	1,284
Critical Water Years (16%)	713	966	4,848	2,761	5,033	5,092	2,963	1,453	596	609	775	798

Table F.2.2-9-6b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,704	4,194	16,270	28,568	40,076	30,085	16,872	10,065	7,143	9,829	9,716	8,225
20% Exceedance	4,488	3,485	9,348	16,821	22,417	21,492	12,773	7,354	6,298	9,610	9,315	6,411
30% Exceedance	4,364	3,049	5,095	9,293	15,371	15,468	8,860	5,201	5,855	9,427	8,785	4,598
40% Exceedance	3,503	2,814	4,136	6,459	10,574	11,174	5,852	4,393	5,385	9,237	8,129	3,391
50% Exceedance	2,788	2,679	3,347	5,425	7,508	7,418	4,782	3,713	5,031	8,797	6,757	2,599
60% Exceedance	2,300	2,467	2,987	4,389	5,113	5,632	3,775	3,501	4,722	7,865	3,753	2,173
70% Exceedance	2,116	2,253	2,721	3,364	4,021	4,307	3,316	3,139	4,490	5,226	2,991	1,945
80% Exceedance	1,633	1,919	2,422	2,642	3,553	3,313	2,708	2,634	4,113	4,169	2,725	1,798
90% Exceedance	1,437	1,717	1,990	2,265	2,874	2,380	2,095	2,021	3,226	3,671	2,496	1,654
Full Simulation Period Average[a]	3,123	3,340	7,124	11,143	14,842	13,351	7,958	5,051	5,304	7,448	6,073	3,929
Wet Water Years (28%)	4,423	4,504	8,526	25,092	34,012	28,801	16,262	8,293	6,095	8,637	8,113	6,483
Above Normal Water Years (14%)	4,030	3,673	6,089	12,665	15,075	16,394	8,292	5,841	5,501	9,400	9,377	6,426
Below Normal Water Years (18%)	2,767	2,795	7,927	5,864	7,024	7,370	5,135	4,294	5,603	8,845	6,581	2,634
Dry Water Years (24%)	2,286	3,064	8,193	3,708	5,890	5,047	3,867	3,444	5,436	6,476	3,773	1,960
Critical Water Years (16%)	1,557	1,929	2,866	2,488	3,314	2,839	2,444	1,946	3,213	3,544	2,492	1,689

Table F.2.2-9-6c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,563	-3,425	-10,453	-7,518	874	-3,702	-9,650	-4,824	662	8,468	7,547	5,330
20% Exceedance	1,876	-1,260	-8,232	-8,742	-5,931	-5,587	-7,542	-3,118	1,668	8,538	7,642	3,911
30% Exceedance	2,147	101	-3,809	-5,595	-7,688	-5,444	-5,755	-1,884	2,154	8,580	7,572	2,586
40% Exceedance	1,598	455	-2,578	-4,983	-8,499	-4,586	-6,507	-586	2,456	8,448	7,319	1,701
50% Exceedance	1,196	658	-1,097	-3,335	-5,739	-6,208	-4,741	-370	2,948	8,050	6,075	1,114
60% Exceedance	957	858	-671	-2,013	-3,858	-4,341	-3,394	245	3,231	7,183	3,167	861
70% Exceedance	1,088	936	173	-773	-3,434	-4,221	-2,108	636	3,440	4,677	2,528	845
80% Exceedance	821	1,090	662	39	-1,887	-2,893	-1,283	1,124	3,467	3,789	2,363	795
90% Exceedance	814	1,033	703	318	-1,268	-2,084	-858	1,127	2,833	3,418	2,252	912
Full Simulation Period Average[a]	1,127	-253	-2,996	-3,139	-3,950	-3,668	-4,209	-1,079	2,343	6,585	5,097	2,223
Wet Water Years (28%)	1,959	-95	-1,940	-4,999	-2,631	-1,023	-5,735	-3,123	638	7,265	6,546	3,924
Above Normal Water Years (14%)	1,955	-249	-2,756	-6,242	-7,036	-5,958	-5,817	-1,760	1,998	8,584	8,242	4,416
Below Normal Water Years (18%)	1,031	-145	-4,567	-3,007	-4,547	-5,294	-5,182	-443	2,850	8,097	5,929	1,119
Dry Water Years (24%)	-111	-1,278	-3,832	-1,170	-4,729	-5,142	-3,219	179	3,970	5,925	3,201	675
Critical Water Years (16%)	843	962	-1,982	-273	-1,719	-2,253	-519	493	2,618	2,935	1,717	891

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-7a. Feather River at Sacramento River Confluence Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,142	7,619	26,723	36,086	39,202	33,787	26,522	14,889	6,481	1,361	2,170	2,894
20% Exceedance	2,612	4,745	17,580	25,563	28,348	27,078	20,315	10,472	4,631	1,072	1,673	2,499
30% Exceedance	2,218	2,948	8,904	14,888	23,059	20,912	14,615	7,085	3,701	846	1,212	2,012
40% Exceedance	1,905	2,359	6,713	11,443	19,074	15,759	12,359	4,978	2,929	789	810	1,689
50% Exceedance	1,593	2,021	4,444	8,760	13,247	13,627	9,523	4,083	2,083	747	681	1,486
60% Exceedance	1,344	1,609	3,658	6,402	8,972	9,973	7,169	3,255	1,491	683	585	1,312
70% Exceedance	1,028	1,316	2,547	4,137	7,455	8,529	5,425	2,503	1,051	549	463	1,099
80% Exceedance	811	829	1,760	2,603	5,440	6,206	3,991	1,510	646	379	362	1,003
90% Exceedance	624	684	1,286	1,947	4,142	4,463	2,953	894	393	253	244	742
Full Simulation Period Average[a]	1,996	3,592	10,120	14,282	18,792	17,019	12,166	6,130	2,961	863	976	1,706
Wet Water Years (28%)	2,464	4,599	10,466	30,092	36,643	29,824	21,997	11,416	5,458	1,372	1,566	2,559
Above Normal Water Years (14%)	2,075	3,922	8,845	18,907	22,111	22,351	14,109	7,602	3,503	816	1,135	2,010
Below Normal Water Years (18%)	1,736	2,940	12,494	8,871	11,571	12,664	10,317	4,737	2,752	748	651	1,515
Dry Water Years (24%)	2,397	4,342	12,025	4,879	10,620	10,189	7,086	3,265	1,466	551	572	1,284
Critical Water Years (16%)	713	966	4,848	2,761	5,033	5,092	2,963	1,453	596	609	775	798

Table F.2.2-9-7b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,677	4,194	15,155	28,341	40,055	29,902	16,871	10,065	7,109	9,937	9,711	8,566
20% Exceedance	4,486	3,473	9,347	15,675	22,273	21,491	12,773	7,356	6,369	9,642	9,314	6,309
30% Exceedance	4,385	3,192	5,071	9,223	15,151	15,164	8,848	5,148	5,835	9,460	8,655	4,988
40% Exceedance	3,768	2,853	4,135	6,459	10,575	11,216	5,846	4,394	5,304	9,237	8,153	3,843
50% Exceedance	2,844	2,727	3,313	5,425	7,510	7,418	4,711	3,780	4,922	8,834	6,531	2,521
60% Exceedance	2,326	2,583	2,974	4,272	5,106	5,562	3,671	3,458	4,694	7,627	5,435	2,142
70% Exceedance	2,070	2,351	2,718	3,338	4,021	4,306	3,161	2,986	4,525	6,037	3,925	1,953
80% Exceedance	1,648	2,025	2,402	2,643	3,547	3,313	2,700	2,612	3,911	4,954	3,276	1,819
90% Exceedance	1,436	1,668	2,006	2,265	2,846	2,379	2,149	2,051	3,190	3,771	2,746	1,711
Full Simulation Period Average[a]	3,142	3,378	7,033	11,061	14,768	13,290	7,918	5,025	5,267	7,577	6,346	4,020
Wet Water Years (28%)	4,442	4,559	8,418	24,802	33,918	28,794	16,261	8,267	6,105	8,673	8,115	6,591
Above Normal Water Years (14%)	4,023	3,657	6,089	12,691	15,047	16,047	8,199	5,835	5,448	9,468	9,372	6,690
Below Normal Water Years (18%)	2,907	2,839	7,810	5,842	6,853	7,313	5,070	4,260	5,599	8,736	7,176	2,716
Dry Water Years (24%)	2,283	3,081	8,024	3,695	5,907	5,049	3,824	3,402	5,310	6,710	4,369	1,938
Critical Water Years (16%)	1,490	2,016	2,875	2,506	3,209	2,830	2,417	1,936	3,206	4,003	2,633	1,775

Table F.2.2-9-7c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,536	-3,425	-11,568	-7,745	853	-3,885	-9,652	-4,824	628	8,575	7,541	5,671
20% Exceedance	1,874	-1,272	-8,232	-9,888	-6,075	-5,587	-7,542	-3,116	1,738	8,569	7,641	3,810
30% Exceedance	2,167	244	-3,833	-5,665	-7,907	-5,748	-5,767	-1,937	2,134	8,614	7,443	2,976
40% Exceedance	1,863	494	-2,578	-4,984	-8,499	-4,544	-6,512	-585	2,375	8,448	7,342	2,153
50% Exceedance	1,251	706	-1,131	-3,335	-5,737	-6,208	-4,811	-303	2,839	8,087	5,849	1,036
60% Exceedance	983	974	-684	-2,130	-3,865	-4,411	-3,498	203	3,203	6,944	4,849	831
70% Exceedance	1,042	1,035	170	-799	-3,434	-4,223	-2,264	483	3,474	5,488	3,462	854
80% Exceedance	837	1,196	642	40	-1,894	-2,894	-1,290	1,102	3,265	4,575	2,914	816
90% Exceedance	812	984	720	318	-1,296	-2,084	-803	1,156	2,797	3,518	2,502	970
Full Simulation Period Average[a]	1,146	-214	-3,086	-3,221	-4,024	-3,730	-4,248	-1,105	2,306	6,714	5,370	2,313
Wet Water Years (28%)	1,978	-40	-2,049	-5,290	-2,725	-1,030	-5,737	-3,148	647	7,301	6,548	4,032
Above Normal Water Years (14%)	1,948	-265	-2,756	-6,215	-7,064	-6,304	-5,910	-1,767	1,945	8,652	8,237	4,679
Below Normal Water Years (18%)	1,171	-101	-4,684	-3,028	-4,718	-5,351	-5,247	-477	2,846	7,987	6,525	1,201
Dry Water Years (24%)	-114	-1,261	-4,001	-1,184	-4,713	-5,140	-3,262	137	3,844	6,159	3,797	653
Critical Water Years (16%)	776	1,049	-1,972	-254	-1,823	-2,262	-546	483	2,610	3,394	1,858	977

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-8a. Feather River at Sacramento River Confluence Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,142	7,619	26,723	36,086	39,202	33,787	26,522	14,889	6,481	1,361	2,170	2,894
20% Exceedance	2,612	4,745	17,580	25,563	28,348	27,078	20,315	10,472	4,631	1,072	1,673	2,499
30% Exceedance	2,218	2,948	8,904	14,888	23,059	20,912	14,615	7,085	3,701	846	1,212	2,012
40% Exceedance	1,905	2,359	6,713	11,443	19,074	15,759	12,359	4,978	2,929	789	810	1,689
50% Exceedance	1,593	2,021	4,444	8,760	13,247	13,627	9,523	4,083	2,083	747	681	1,486
60% Exceedance	1,344	1,609	3,658	6,402	8,972	9,973	7,169	3,255	1,491	683	585	1,312
70% Exceedance	1,028	1,316	2,547	4,137	7,455	8,529	5,425	2,503	1,051	549	463	1,099
80% Exceedance	811	829	1,760	2,603	5,440	6,206	3,991	1,510	646	379	362	1,003
90% Exceedance	624	684	1,286	1,947	4,142	4,463	2,953	894	393	253	244	742
Full Simulation Period Average[a]	1,996	3,592	10,120	14,282	18,792	17,019	12,166	6,130	2,961	863	976	1,706
Wet Water Years (28%)	2,464	4,599	10,466	30,092	36,643	29,824	21,997	11,416	5,458	1,372	1,566	2,559
Above Normal Water Years (14%)	2,075	3,922	8,845	18,907	22,111	22,351	14,109	7,602	3,503	816	1,135	2,010
Below Normal Water Years (18%)	1,736	2,940	12,494	8,871	11,571	12,664	10,317	4,737	2,752	748	651	1,515
Dry Water Years (24%)	2,397	4,342	12,025	4,879	10,620	10,189	7,086	3,265	1,466	551	572	1,284
Critical Water Years (16%)	713	966	4,848	2,761	5,033	5,092	2,963	1,453	596	609	775	798

Table F.2.2-9-8b. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,725	4,194	14,721	28,160	40,067	29,604	16,837	10,062	7,016	9,958	9,687	8,514
20% Exceedance	4,506	3,510	9,356	15,764	22,274	21,491	14,095	7,597	6,306	9,735	9,321	6,631
30% Exceedance	4,395	3,231	5,081	9,285	15,412	15,165	9,897	5,880	5,760	9,546	8,657	4,882
40% Exceedance	3,764	2,837	4,162	6,453	10,552	10,919	6,667	5,040	5,238	9,302	8,064	3,987
50% Exceedance	2,884	2,731	3,344	5,422	7,508	7,418	5,841	4,376	4,875	8,782	6,746	2,643
60% Exceedance	2,499	2,605	2,969	4,241	5,100	5,562	4,982	3,810	4,680	8,097	5,399	2,240
70% Exceedance	2,205	2,369	2,761	3,307	4,021	4,306	4,037	3,293	4,519	6,044	3,920	2,018
80% Exceedance	1,692	1,999	2,408	2,642	3,496	3,312	3,335	2,995	3,816	4,937	3,334	1,890
90% Exceedance	1,458	1,703	2,021	2,261	2,845	2,379	2,651	2,047	3,033	3,870	2,751	1,763
Full Simulation Period Average[a]	3,185	3,393	7,052	11,099	14,776	13,184	8,637	5,418	5,229	7,610	6,397	4,060
Wet Water Years (28%)	4,446	4,558	8,412	24,882	33,937	28,551	16,380	8,329	6,103	8,679	8,136	6,556
Above Normal Water Years (14%)	4,059	3,705	6,115	12,842	15,094	15,865	9,240	6,715	5,440	9,556	9,381	6,735
Below Normal Water Years (18%)	2,940	2,892	7,773	5,855	6,885	7,258	6,574	4,969	5,472	8,765	7,320	2,892
Dry Water Years (24%)	2,377	3,074	8,117	3,701	5,869	5,040	4,916	3,902	5,280	6,752	4,449	2,025
Critical Water Years (16%)	1,545	2,014	2,879	2,452	3,202	2,826	2,462	1,968	3,168	4,022	2,625	1,715

Table F.2.2-9-8c. Feather River at Sacramento River Confluence Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,583	-3,425	-12,003	-7,927	865	-4,183	-9,686	-4,827	535	8,596	7,518	5,619
20% Exceedance	1,894	-1,235	-8,224	-9,799	-6,074	-5,587	-6,220	-2,876	1,675	8,663	7,648	4,132
30% Exceedance	2,178	283	-3,823	-5,603	-7,647	-5,747	-4,718	-1,206	2,059	8,699	7,445	2,871
40% Exceedance	1,859	478	-2,552	-4,990	-8,521	-4,841	-5,692	62	2,309	8,513	7,253	2,297
50% Exceedance	1,292	710	-1,100	-3,338	-5,740	-6,208	-3,682	292	2,792	8,035	6,064	1,158
60% Exceedance	1,155	996	-689	-2,161	-3,872	-4,411	-2,188	555	3,189	7,415	4,814	929
70% Exceedance	1,177	1,053	214	-831	-3,434	-4,223	-1,388	789	3,468	5,495	3,457	918
80% Exceedance	881	1,170	648	39	-1,944	-2,894	-656	1,485	3,170	4,558	2,972	888
90% Exceedance	834	1,019	735	314	-1,297	-2,084	-302	1,153	2,640	3,617	2,507	1,021
Full Simulation Period Average[a]	1,189	-200	-3,068	-3,183	-4,016	-3,836	-3,529	-711	2,268	6,747	5,421	2,353
Wet Water Years (28%)	1,982	-41	-2,054	-5,210	-2,706	-1,273	-5,617	-3,087	645	7,307	6,570	3,997
Above Normal Water Years (14%)	1,984	-217	-2,730	-6,065	-7,016	-6,486	-4,869	-887	1,937	8,740	8,246	4,724
Below Normal Water Years (18%)	1,204	-47	-4,722	-3,016	-4,686	-5,406	-3,743	232	2,720	8,017	6,669	1,378
Dry Water Years (24%)	-20	-1,268	-3,908	-1,178	-4,751	-5,149	-2,170	637	3,814	6,201	3,876	741
Critical Water Years (16%)	831	1,047	-1,968	-309	-1,830	-2,266	-501	514	2,572	3,413	1,850	917

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-9a. Feather River at Sacramento River Confluence Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,142	7,619	26,723	36,086	39,202	33,787	26,522	14,889	6,481	1,361	2,170	2,894
20% Exceedance	2,612	4,745	17,580	25,563	28,348	27,078	20,315	10,472	4,631	1,072	1,673	2,499
30% Exceedance	2,218	2,948	8,904	14,888	23,059	20,912	14,615	7,085	3,701	846	1,212	2,012
40% Exceedance	1,905	2,359	6,713	11,443	19,074	15,759	12,359	4,978	2,929	789	810	1,689
50% Exceedance	1,593	2,021	4,444	8,760	13,247	13,627	9,523	4,083	2,083	747	681	1,486
60% Exceedance	1,344	1,609	3,658	6,402	8,972	9,973	7,169	3,255	1,491	683	585	1,312
70% Exceedance	1,028	1,316	2,547	4,137	7,455	8,529	5,425	2,503	1,051	549	463	1,099
80% Exceedance	811	829	1,760	2,603	5,440	6,206	3,991	1,510	646	379	362	1,003
90% Exceedance	624	684	1,286	1,947	4,142	4,463	2,953	894	393	253	244	742
Full Simulation Period Average[a]	1,996	3,592	10,120	14,282	18,792	17,019	12,166	6,130	2,961	863	976	1,706
Wet Water Years (28%)	2,464	4,599	10,466	30,092	36,643	29,824	21,997	11,416	5,458	1,372	1,566	2,559
Above Normal Water Years (14%)	2,075	3,922	8,845	18,907	22,111	22,351	14,109	7,602	3,503	816	1,135	2,010
Below Normal Water Years (18%)	1,736	2,940	12,494	8,871	11,571	12,664	10,317	4,737	2,752	748	651	1,515
Dry Water Years (24%)	2,397	4,342	12,025	4,879	10,620	10,189	7,086	3,265	1,466	551	572	1,284
Critical Water Years (16%)	713	966	4,848	2,761	5,033	5,092	2,963	1,453	596	609	775	798

Table F.2.2-9-9b. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,706	4,194	16,261	28,542	40,062	29,802	16,872	10,067	7,147	9,827	9,716	8,221
20% Exceedance	4,487	3,485	9,348	16,826	22,985	21,491	13,294	7,356	6,364	9,608	9,305	6,405
30% Exceedance	4,385	3,066	5,099	9,243	15,373	15,662	8,841	5,345	5,859	9,426	8,788	4,646
40% Exceedance	3,416	2,814	4,137	6,460	10,575	11,248	5,852	4,382	5,328	9,235	8,117	3,432
50% Exceedance	2,922	2,684	3,347	5,425	7,509	7,419	4,781	3,712	4,999	8,795	6,763	2,630
60% Exceedance	2,326	2,481	2,984	4,389	5,077	5,632	3,779	3,500	4,709	7,851	4,095	2,180
70% Exceedance	2,089	2,256	2,704	3,442	4,021	4,271	3,316	3,139	4,428	5,421	3,049	1,926
80% Exceedance	1,626	1,919	2,421	2,669	3,496	3,286	2,529	2,639	3,891	4,082	2,713	1,787
90% Exceedance	1,427	1,719	2,010	2,350	2,846	2,356	1,546	1,854	2,874	3,333	2,455	1,632
Full Simulation Period Average[a]	3,125	3,353	7,129	11,179	14,851	13,353	7,877	5,032	5,219	7,373	6,148	3,933
Wet Water Years (28%)	4,423	4,504	8,525	25,135	34,054	28,804	16,263	8,293	6,100	8,633	8,119	6,484
Above Normal Water Years (14%)	4,032	3,673	6,095	12,648	15,074	16,655	8,317	5,843	5,488	9,397	9,377	6,448
Below Normal Water Years (18%)	2,828	2,828	7,955	5,867	7,132	7,387	5,215	4,324	5,525	8,842	7,033	2,734
Dry Water Years (24%)	2,283	3,085	8,197	3,708	5,889	5,041	3,869	3,447	5,448	6,550	3,814	1,963
Critical Water Years (16%)	1,501	1,942	2,859	2,655	3,176	2,604	1,822	1,791	2,754	2,977	2,378	1,570

Table F.2.2-9-9c. Feather River at Sacramento River Confluence Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,564	-3,425	-10,463	-7,544	860	-3,985	-9,650	-4,822	666	8,466	7,546	5,327
20% Exceedance	1,875	-1,260	-8,232	-8,737	-5,363	-5,587	-7,021	-3,116	1,733	8,536	7,632	3,906
30% Exceedance	2,167	118	-3,806	-5,644	-7,686	-5,250	-5,774	-1,740	2,158	8,580	7,576	2,635
40% Exceedance	1,511	455	-2,577	-4,983	-8,499	-4,511	-6,507	-596	2,400	8,446	7,306	1,742
50% Exceedance	1,329	664	-1,097	-3,334	-5,738	-6,208	-4,742	-371	2,915	8,048	6,082	1,144
60% Exceedance	983	872	-674	-2,013	-3,895	-4,342	-3,390	244	3,218	7,168	3,510	868
70% Exceedance	1,061	939	157	-695	-3,434	-4,257	-2,109	635	3,377	4,872	2,586	826
80% Exceedance	815	1,090	661	66	-1,944	-2,921	-1,462	1,129	3,245	3,702	2,351	784
90% Exceedance	803	1,035	724	403	-1,296	-2,107	-1,407	959	2,481	3,080	2,211	891
Full Simulation Period Average[a]	1,129	-240	-2,990	-3,103	-3,941	-3,666	-4,290	-1,097	2,258	6,510	5,172	2,226
Wet Water Years (28%)	1,959	-96	-1,941	-4,957	-2,589	-1,020	-5,735	-3,123	642	7,261	6,552	3,925
Above Normal Water Years (14%)	1,957	-249	-2,750	-6,259	-7,037	-5,697	-5,792	-1,759	1,985	8,581	8,241	4,438
Below Normal Water Years (18%)	1,092	-112	-4,540	-3,003	-4,439	-5,277	-5,102	-413	2,773	8,094	6,382	1,219
Dry Water Years (24%)	-114	-1,258	-3,828	-1,171	-4,730	-5,147	-3,217	182	3,982	5,999	3,242	679
Critical Water Years (16%)	788	976	-1,989	-105	-1,857	-2,488	-1,140	337	2,159	2,368	1,603	773

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-9-10a. Feather River at Sacramento River Confluence Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,142	7,619	26,723	36,086	39,202	33,787	26,522	14,889	6,481	1,361	2,170	2,894
20% Exceedance	2,612	4,745	17,580	25,563	28,348	27,078	20,315	10,472	4,631	1,072	1,673	2,499
30% Exceedance	2,218	2,948	8,904	14,888	23,059	20,912	14,615	7,085	3,701	846	1,212	2,012
40% Exceedance	1,905	2,359	6,713	11,443	19,074	15,759	12,359	4,978	2,929	789	810	1,689
50% Exceedance	1,593	2,021	4,444	8,760	13,247	13,627	9,523	4,083	2,083	747	681	1,486
60% Exceedance	1,344	1,609	3,658	6,402	8,972	9,973	7,169	3,255	1,491	683	585	1,312
70% Exceedance	1,028	1,316	2,547	4,137	7,455	8,529	5,425	2,503	1,051	549	463	1,099
80% Exceedance	811	829	1,760	2,603	5,440	6,206	3,991	1,510	646	379	362	1,003
90% Exceedance	624	684	1,286	1,947	4,142	4,463	2,953	894	393	253	244	742
Full Simulation Period Average[a]	1,996	3,592	10,120	14,282	18,792	17,019	12,166	6,130	2,961	863	976	1,706
Wet Water Years (28%)	2,464	4,599	10,466	30,092	36,643	29,824	21,997	11,416	5,458	1,372	1,566	2,559
Above Normal Water Years (14%)	2,075	3,922	8,845	18,907	22,111	22,351	14,109	7,602	3,503	816	1,135	2,010
Below Normal Water Years (18%)	1,736	2,940	12,494	8,871	11,571	12,664	10,317	4,737	2,752	748	651	1,515
Dry Water Years (24%)	2,397	4,342	12,025	4,879	10,620	10,189	7,086	3,265	1,466	551	572	1,284
Critical Water Years (16%)	713	966	4,848	2,761	5,033	5,092	2,963	1,453	596	609	775	798

Table F.2.2-9-10b. Feather River at Sacramento River Confluence Flow, NAA, 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

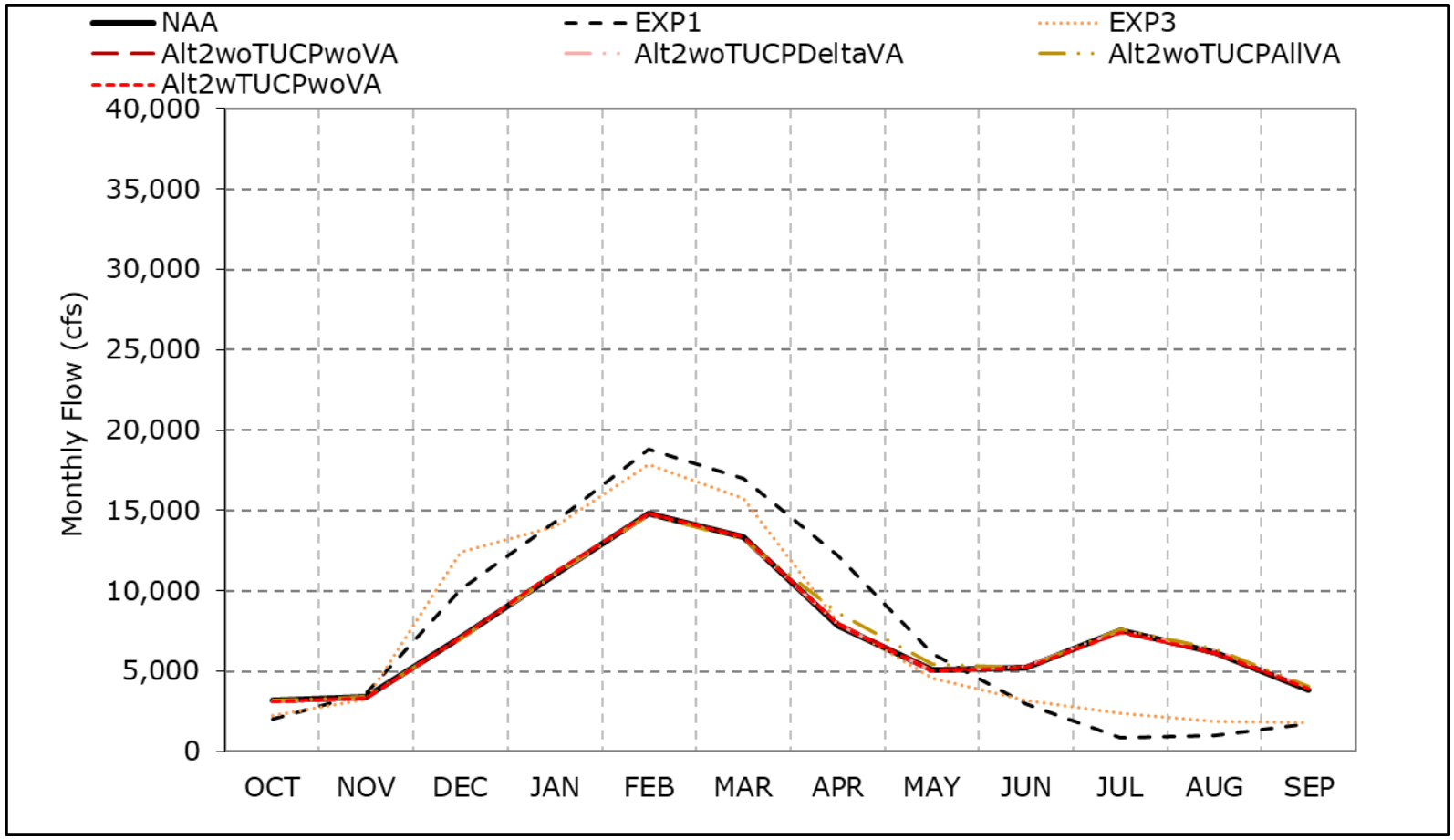
Table F.2.2-9-10c. Feather River at Sacramento River Confluence Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,600	-3,366	-11,245	-9,133	1,063	-3,940	-9,649	-4,823	827	8,581	7,558	5,438
20% Exceedance	1,924	-1,235	-8,079	-9,748	-5,792	-4,626	-7,540	-3,150	1,747	8,562	7,608	3,855
30% Exceedance	2,166	164	-3,477	-5,588	-7,905	-5,258	-5,776	-1,792	2,228	8,708	7,602	2,361
40% Exceedance	1,925	489	-2,500	-4,980	-8,499	-4,558	-6,506	-413	2,483	8,528	7,281	1,623
50% Exceedance	1,247	676	-1,054	-3,306	-5,648	-6,208	-4,778	-184	2,781	8,254	5,829	1,163
60% Exceedance	997	906	-673	-2,108	-3,893	-4,342	-3,429	254	3,144	7,845	3,678	867
70% Exceedance	1,122	999	195	-923	-3,433	-4,250	-2,110	770	3,358	5,441	2,903	822
80% Exceedance	871	1,078	666	12	-1,931	-2,920	-1,590	1,252	3,098	3,791	2,432	780
90% Exceedance	833	987	711	280	-1,294	-2,105	-1,524	879	2,486	3,005	2,235	890
Full Simulation Period Average[a]	1,186	-223	-3,021	-3,218	-3,986	-3,650	-4,333	-1,034	2,253	6,678	5,210	2,126
Wet Water Years (28%)	2,002	-28	-1,770	-5,077	-2,681	-1,027	-5,735	-3,167	460	7,355	6,640	3,804
Above Normal Water Years (14%)	1,994	-265	-2,739	-6,557	-7,112	-5,417	-5,766	-1,766	2,036	8,737	8,268	3,853
Below Normal Water Years (18%)	1,089	-137	-4,662	-2,994	-4,513	-5,410	-5,194	94	2,766	8,027	5,994	1,291
Dry Water Years (24%)	-110	-1,268	-4,075	-1,162	-4,715	-5,135	-3,212	174	4,150	6,440	3,577	683
Critical Water Years (16%)	1,046	1,023	-1,982	-379	-1,850	-2,486	-1,336	255	2,161	2,528	1,600	784

[a] Based on the 100-year simulation period.

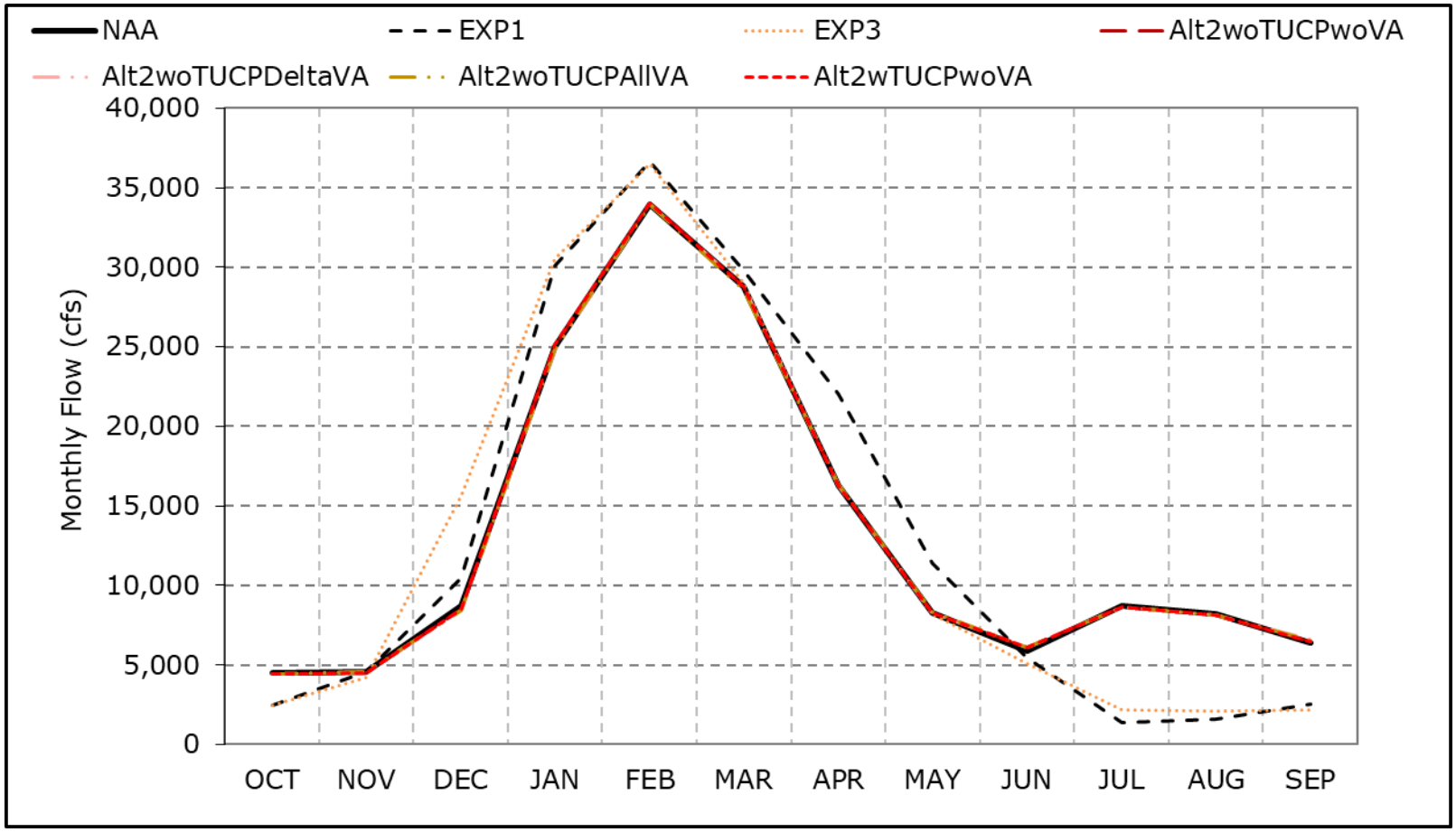
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



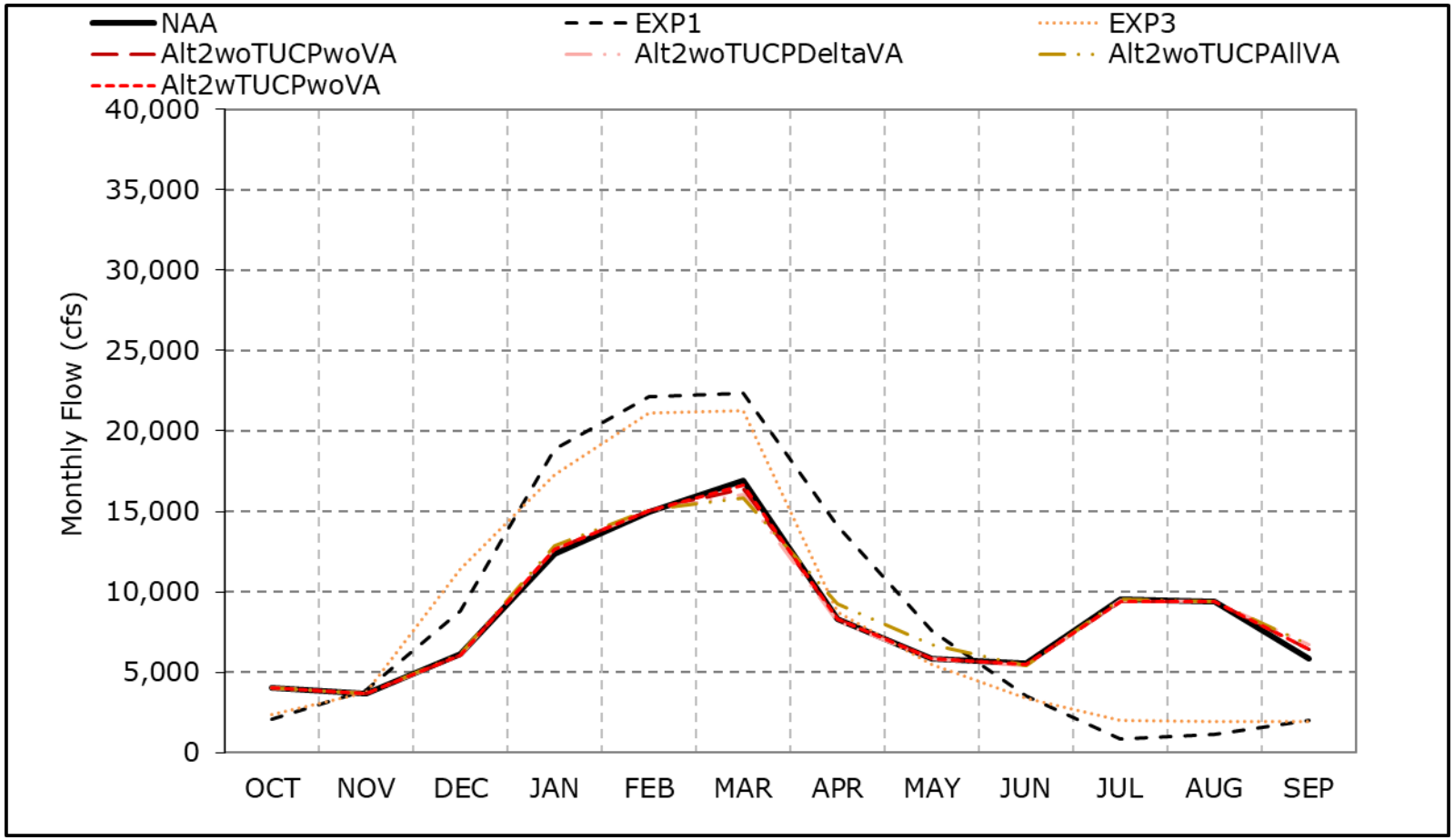
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



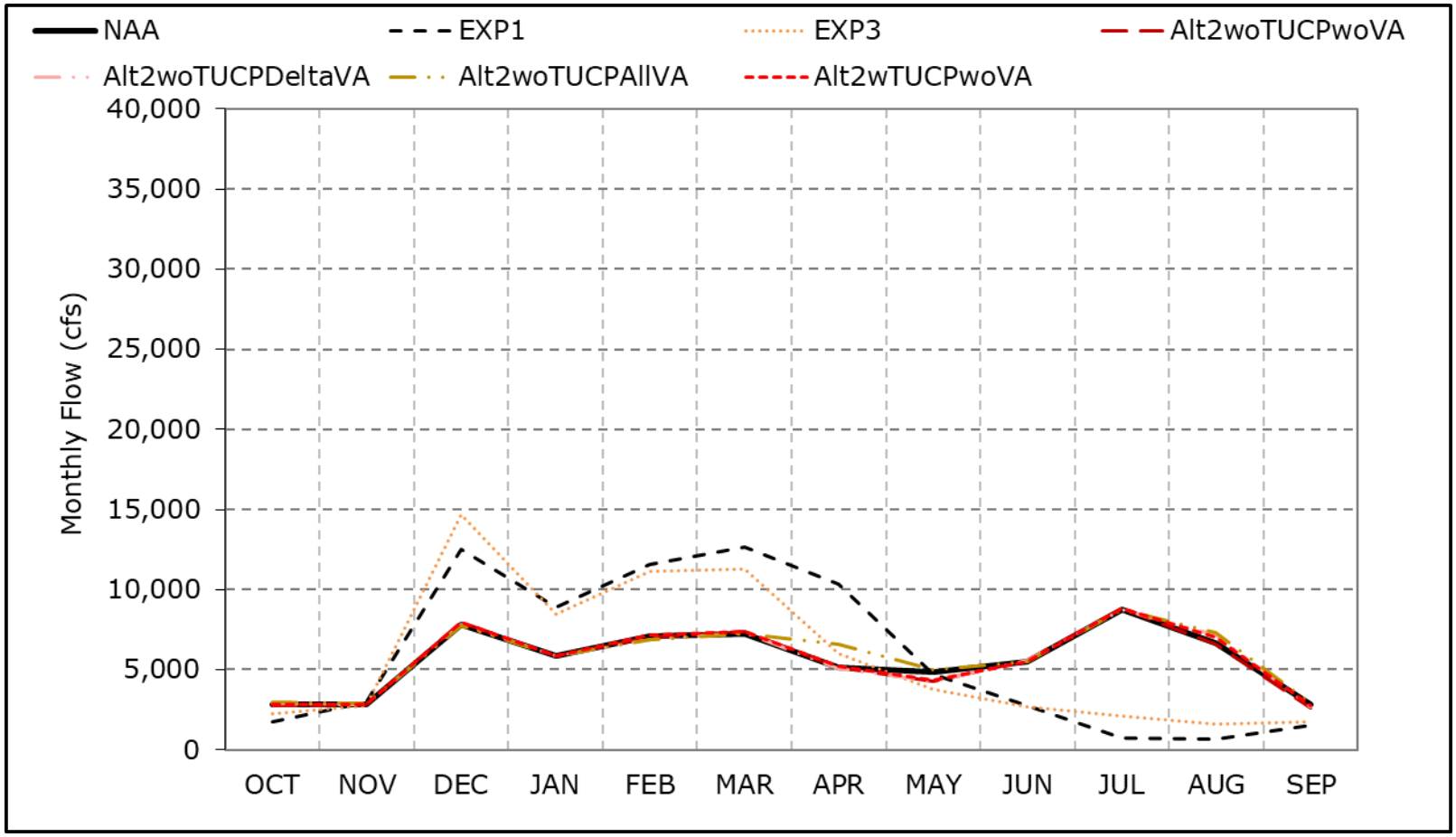
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



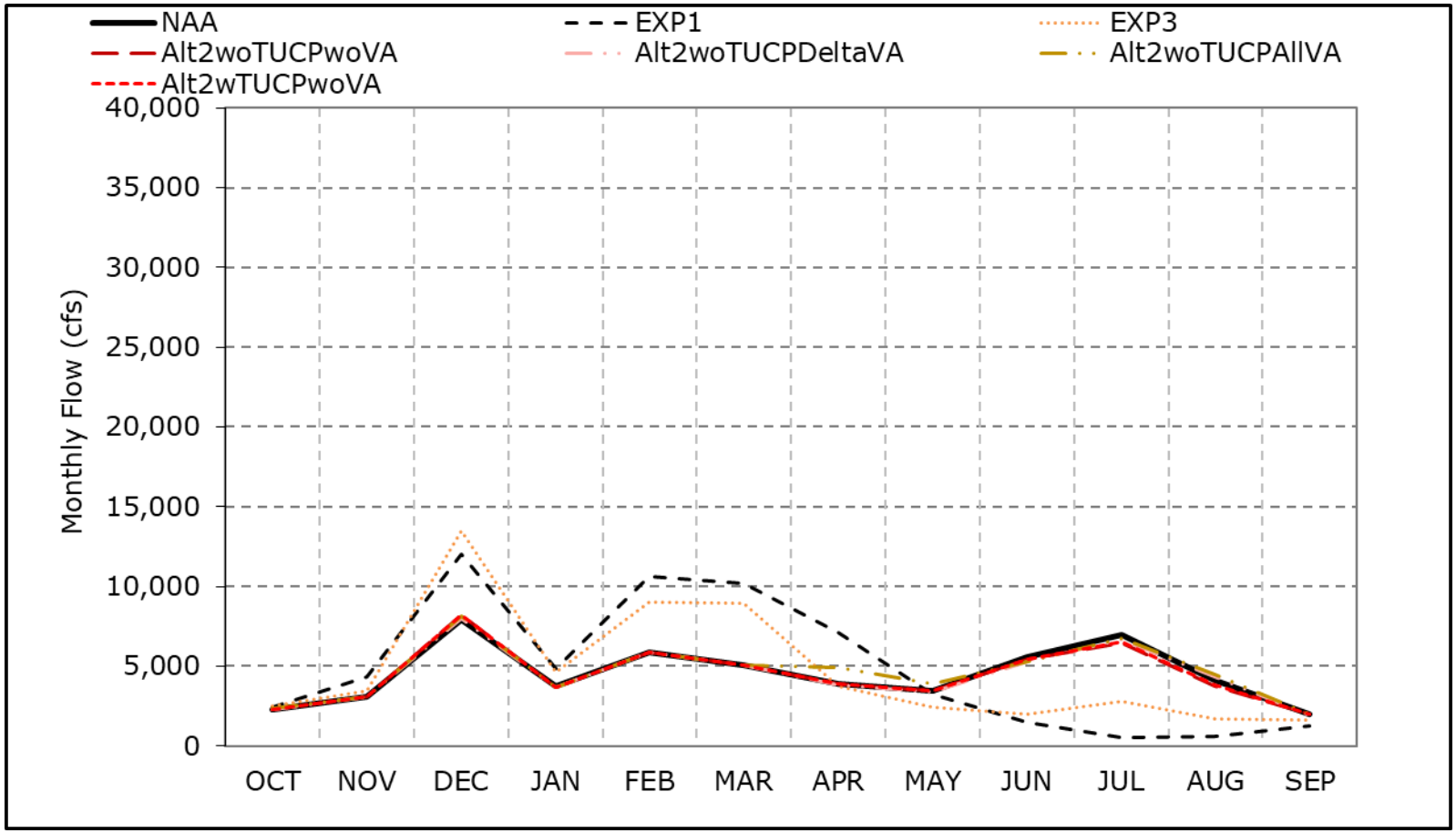
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



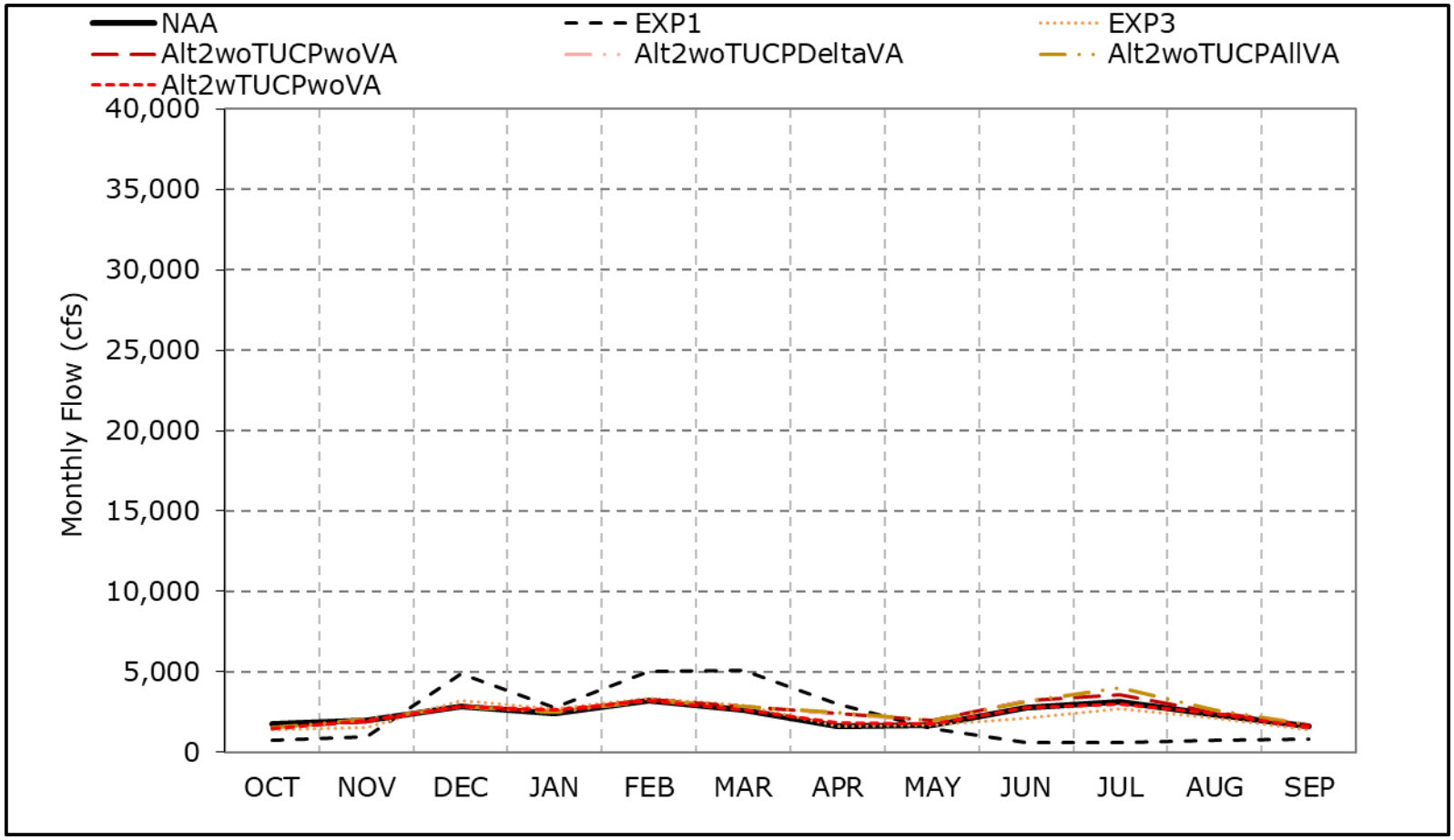
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



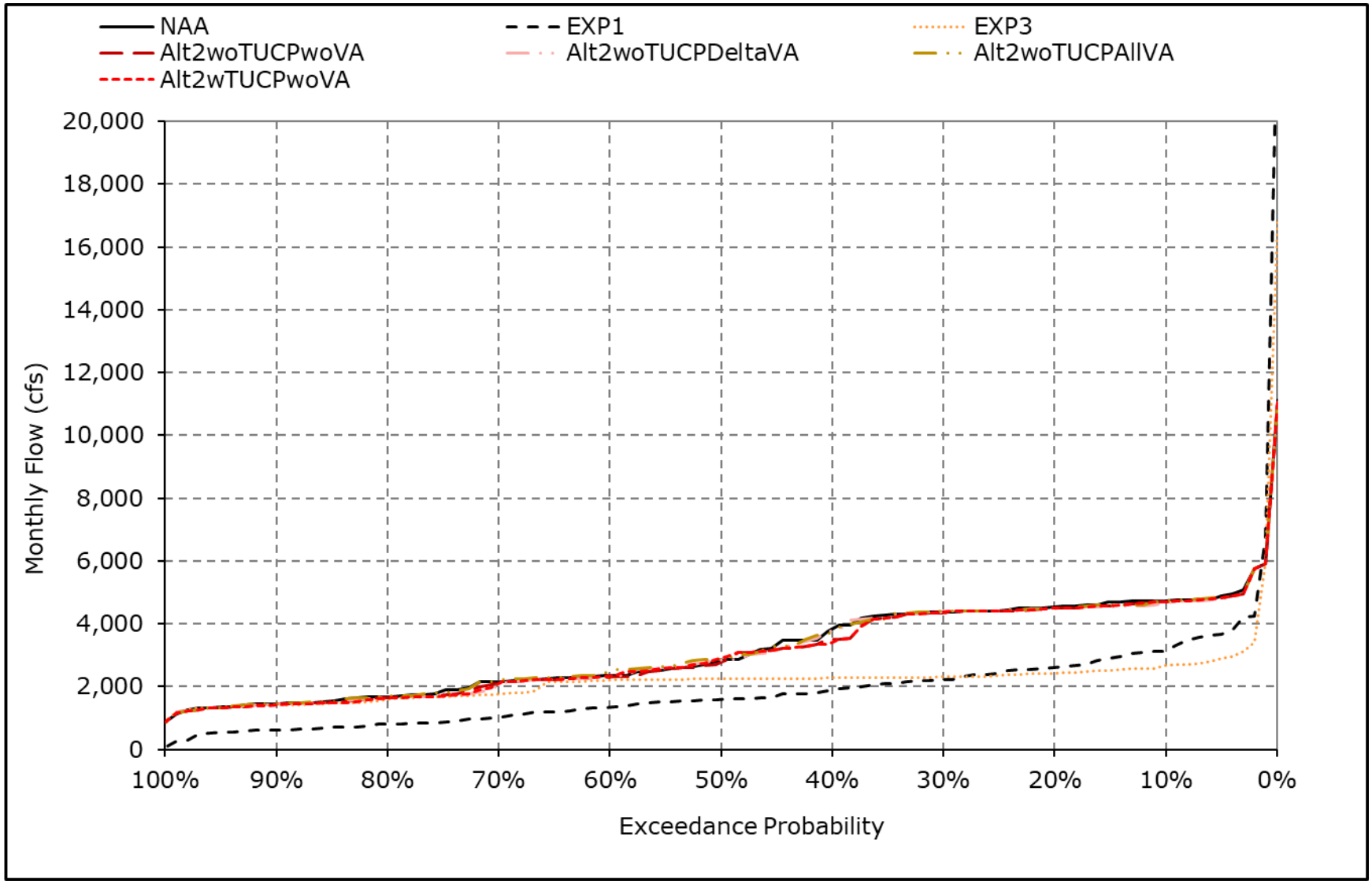
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



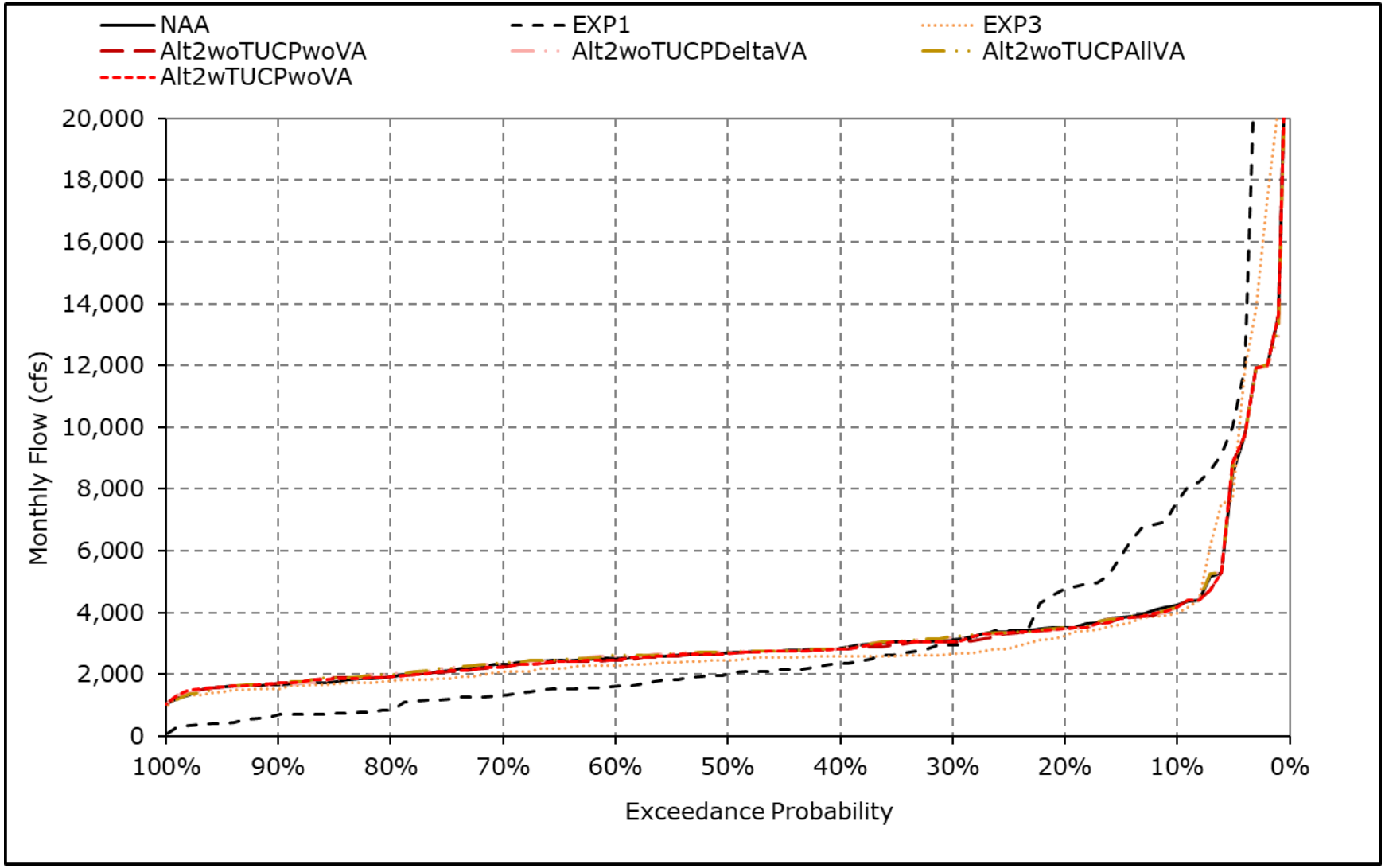
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



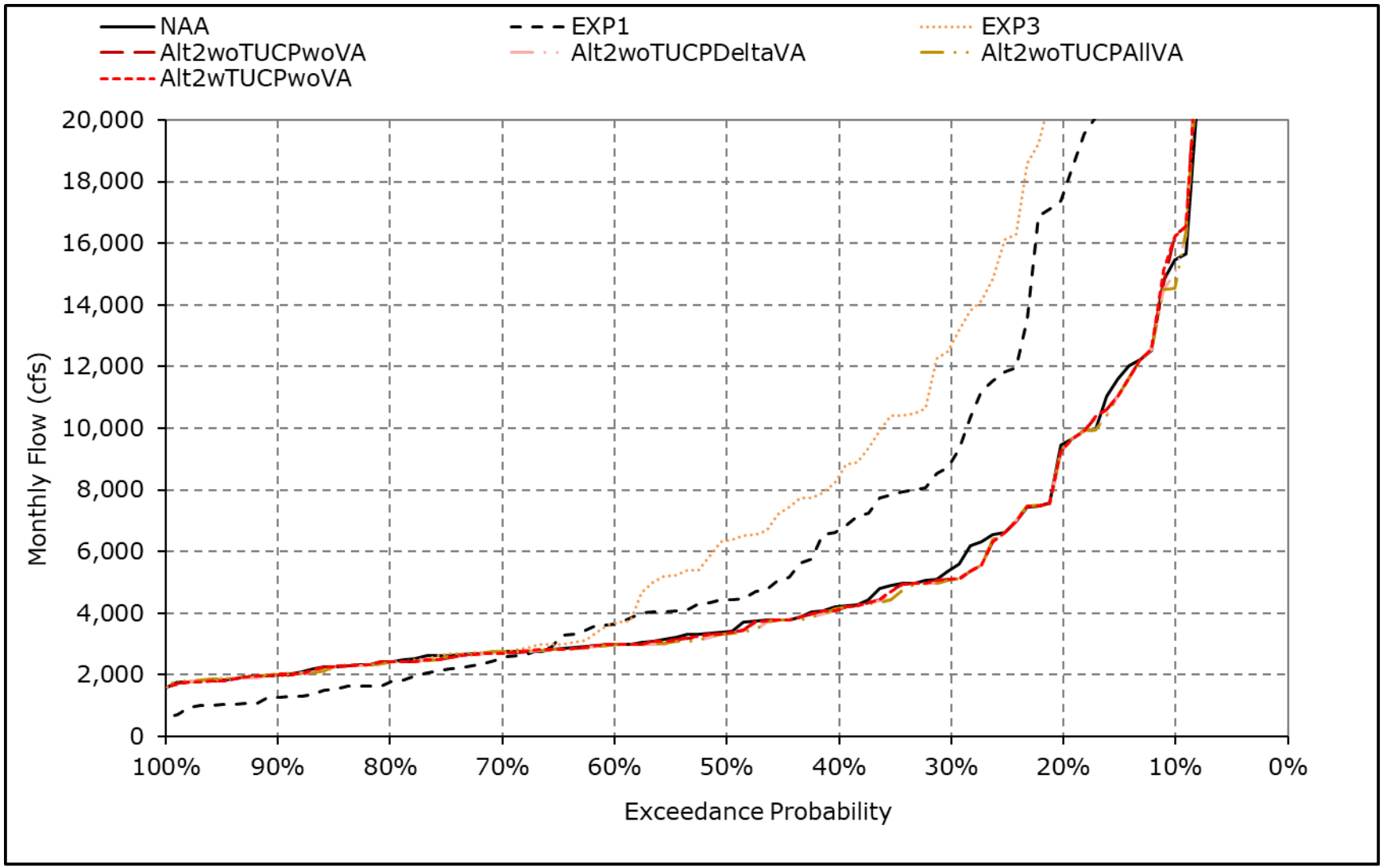
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



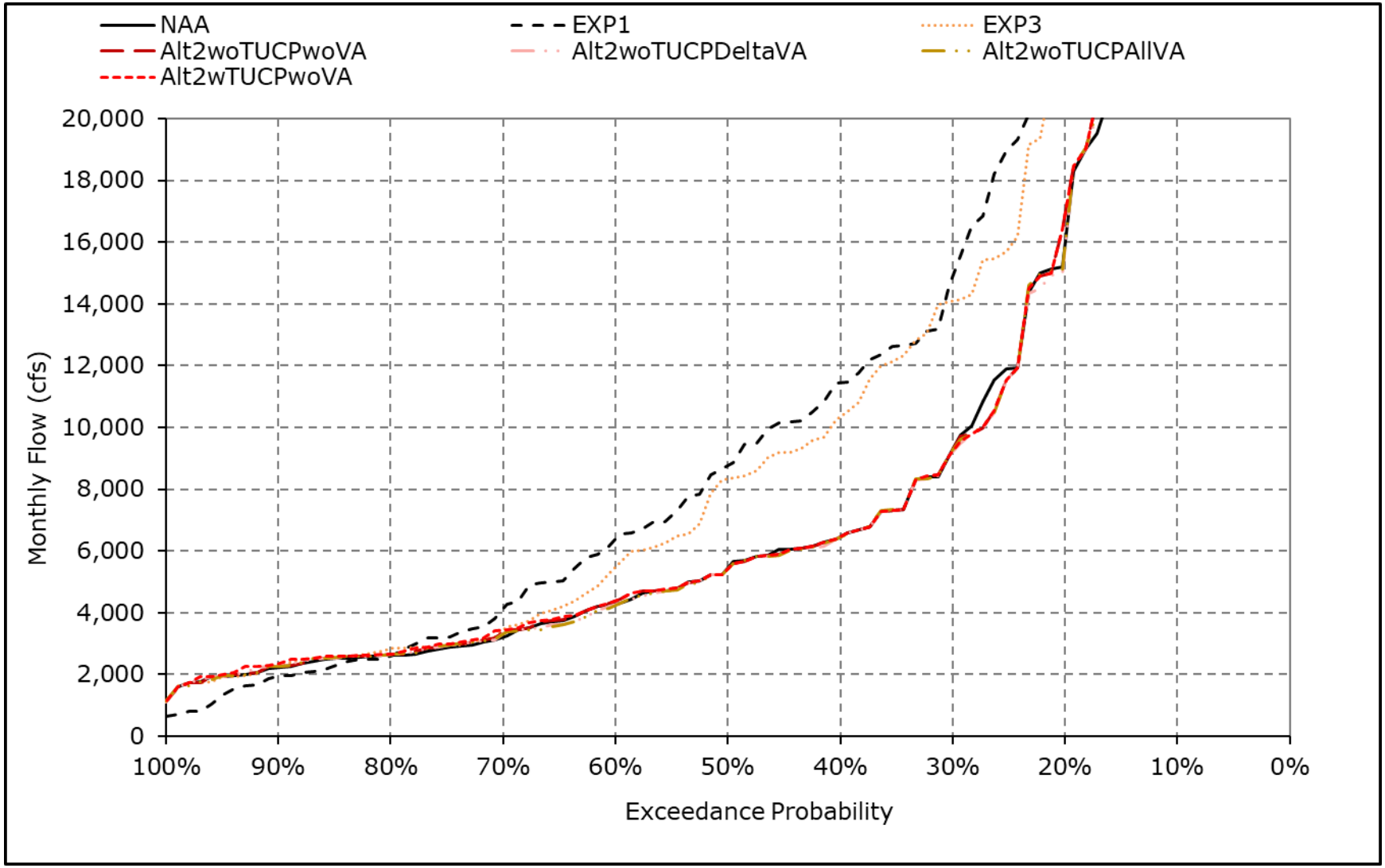
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



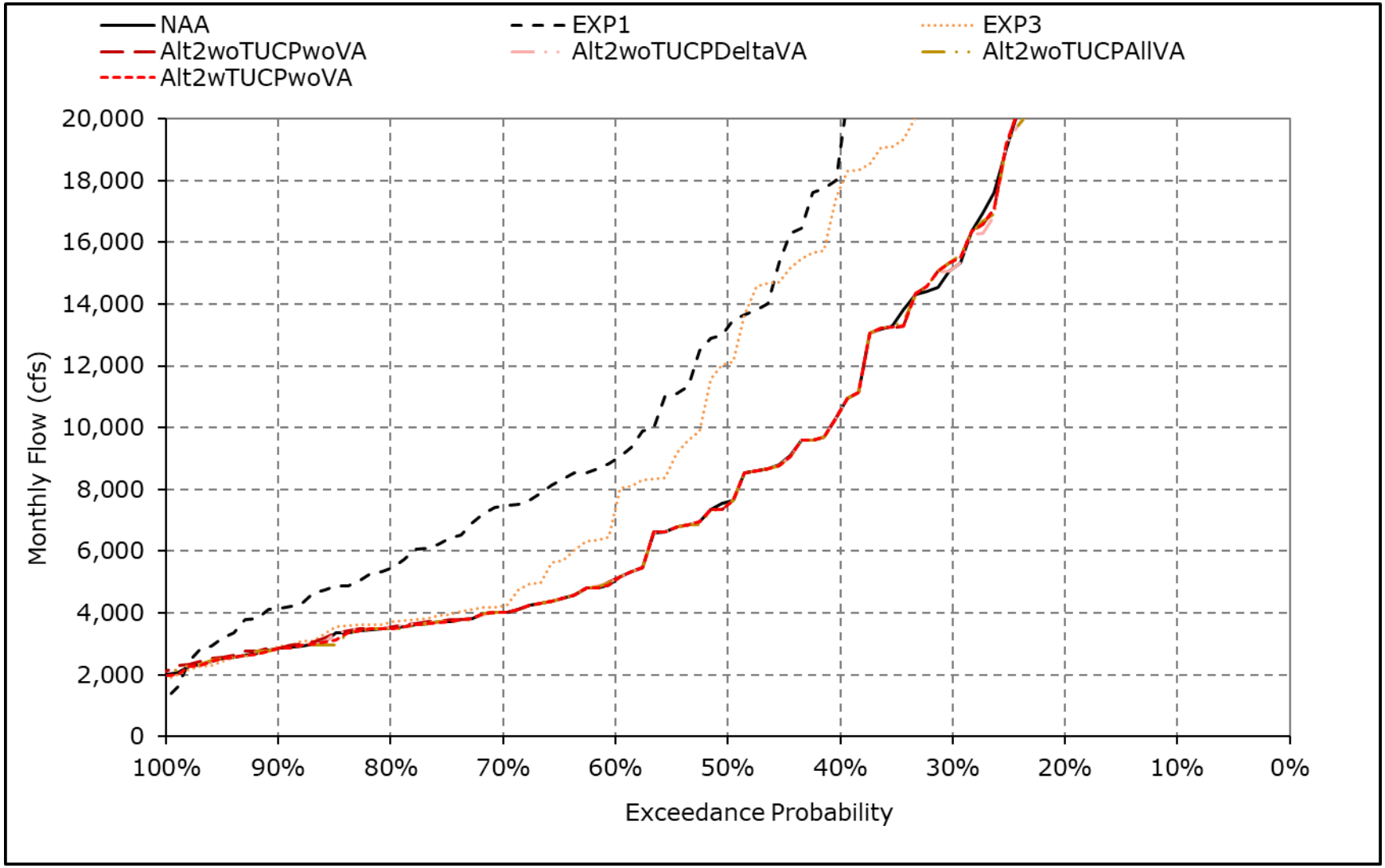
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



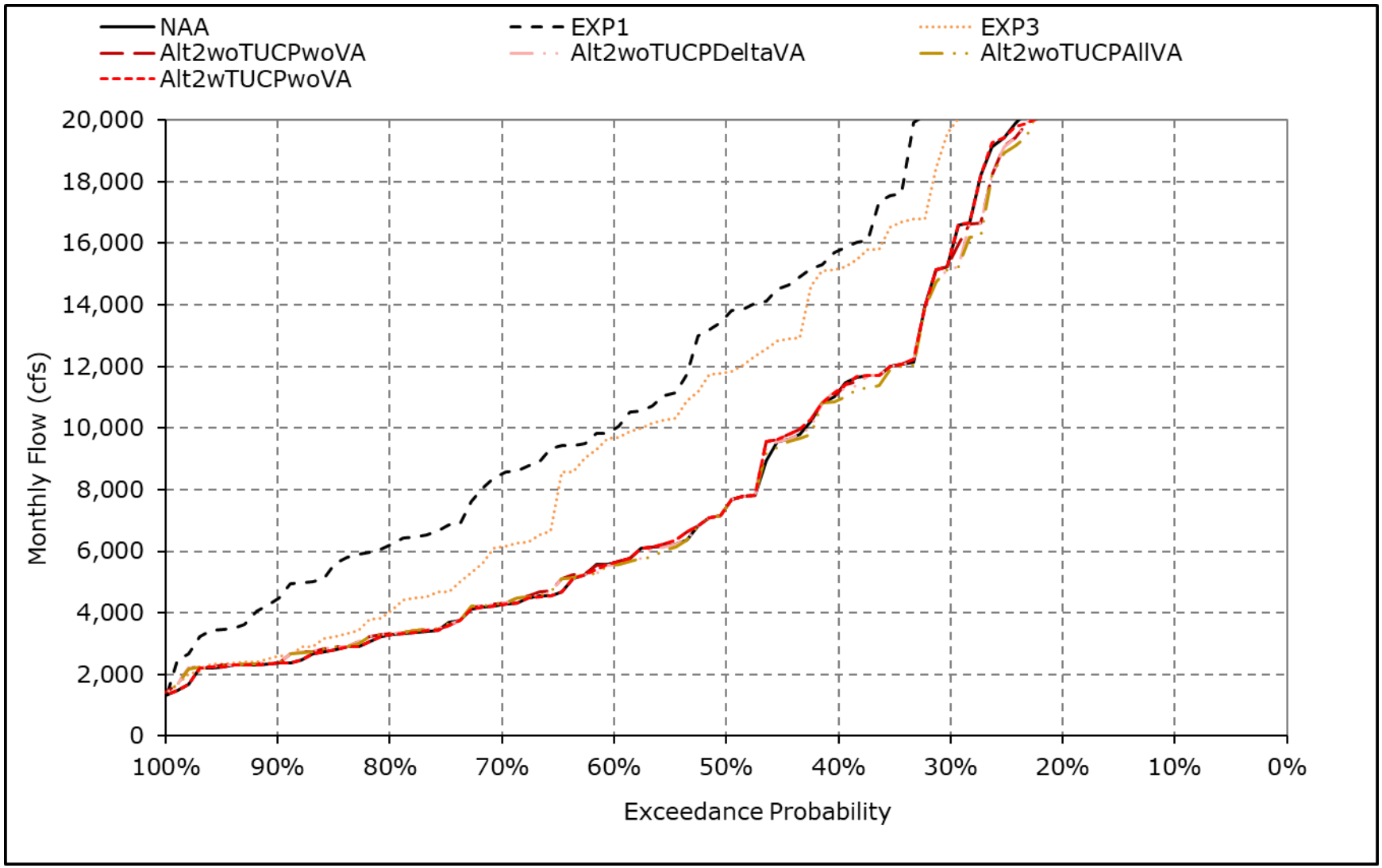
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



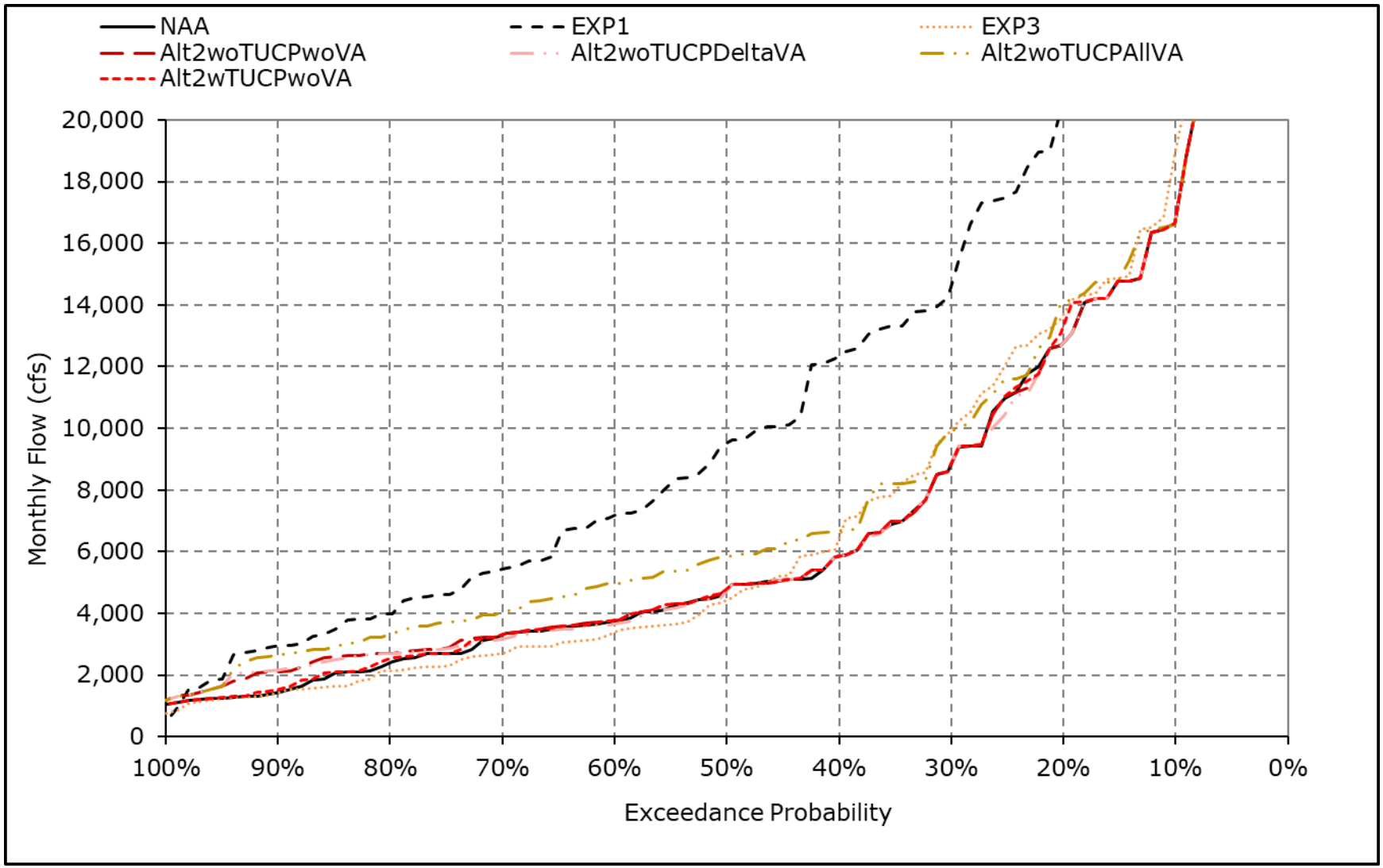
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



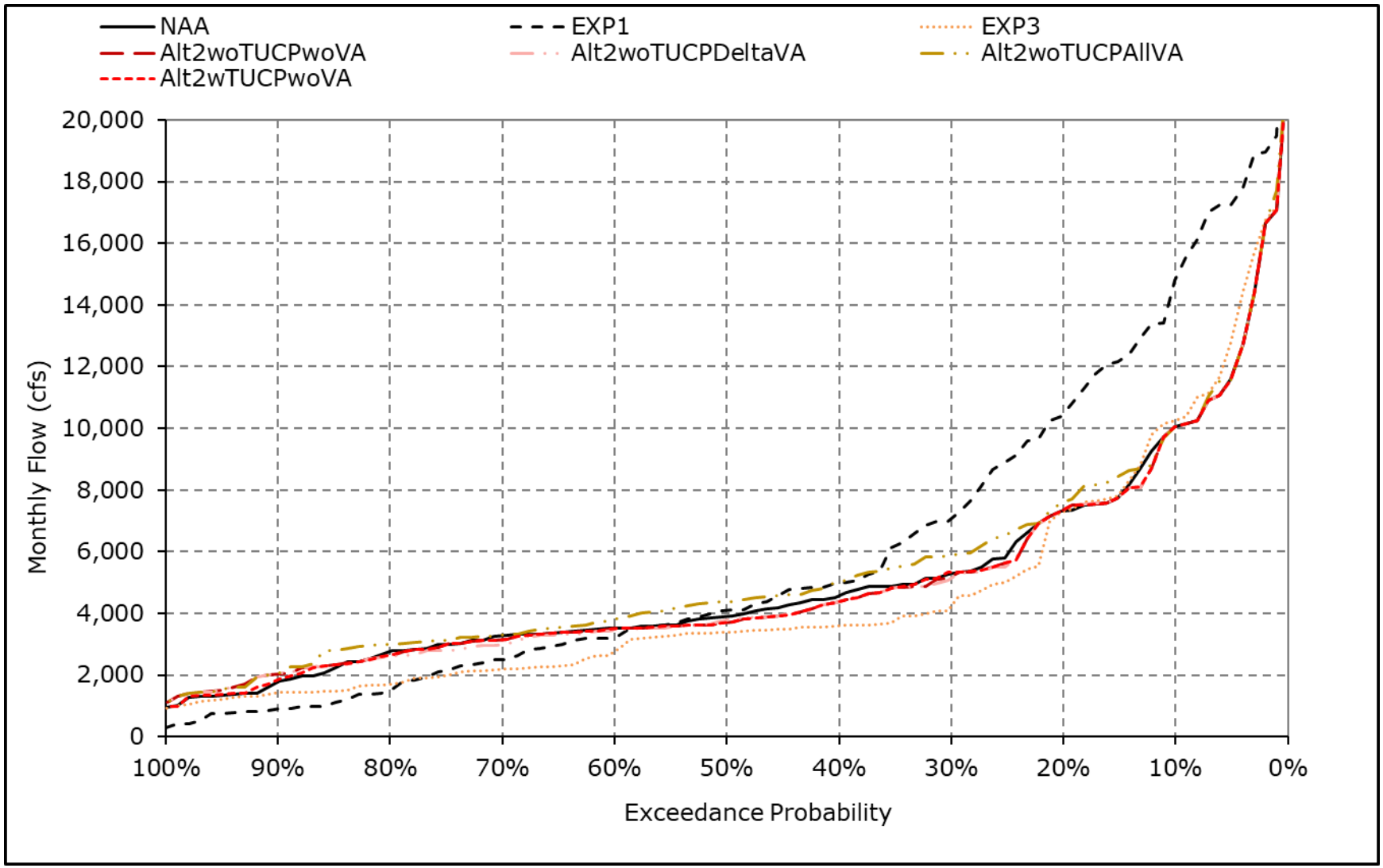
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



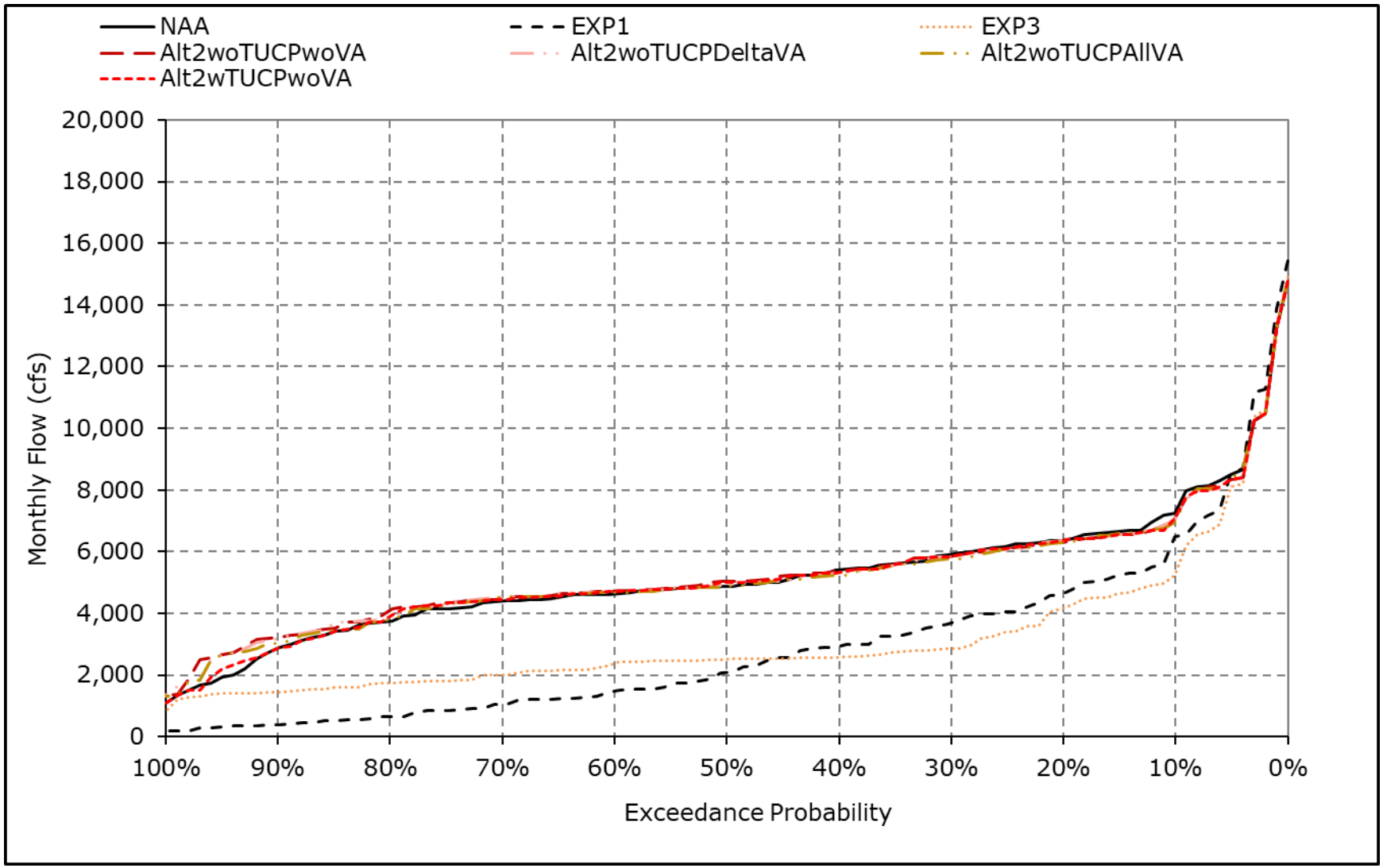
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



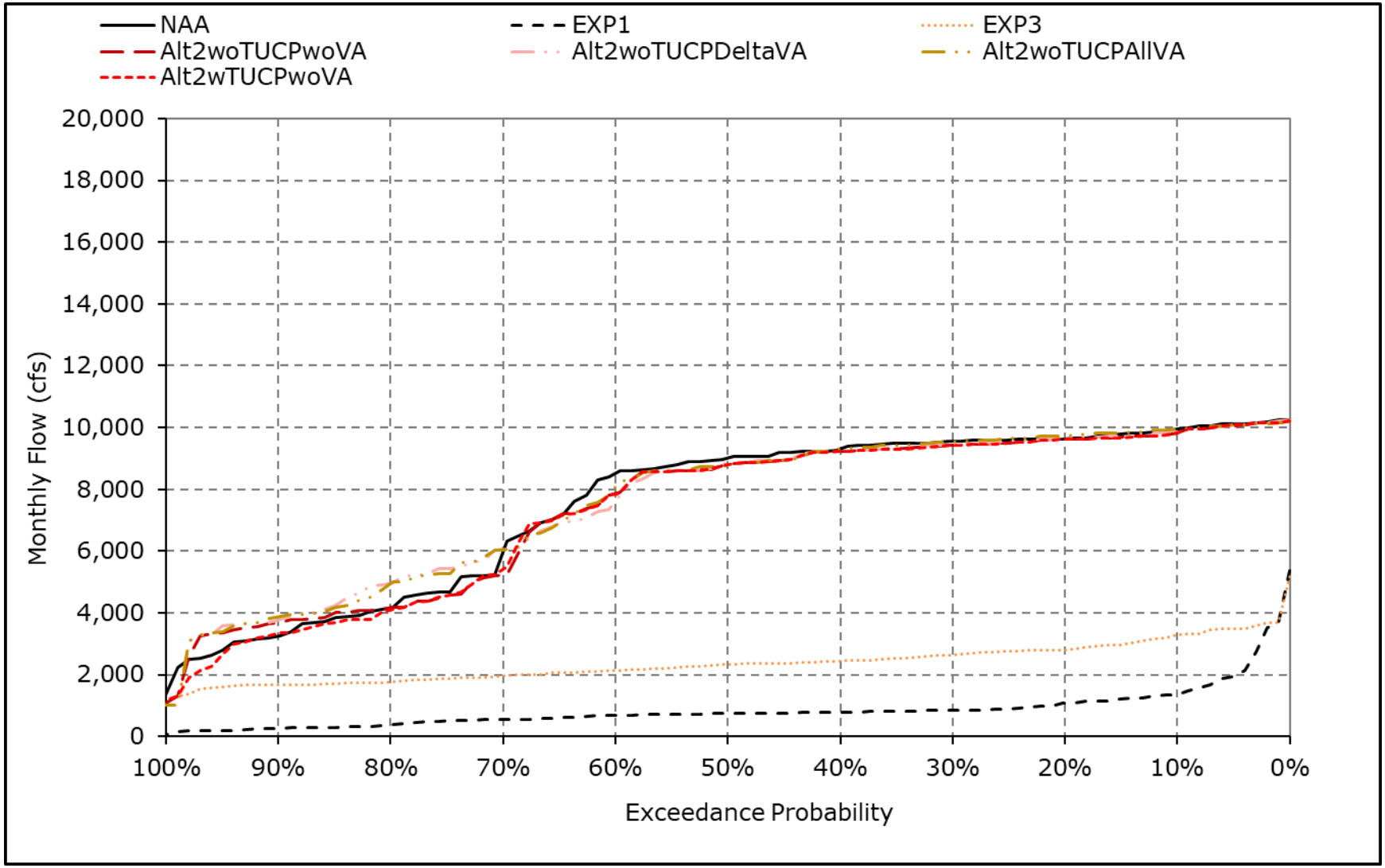
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



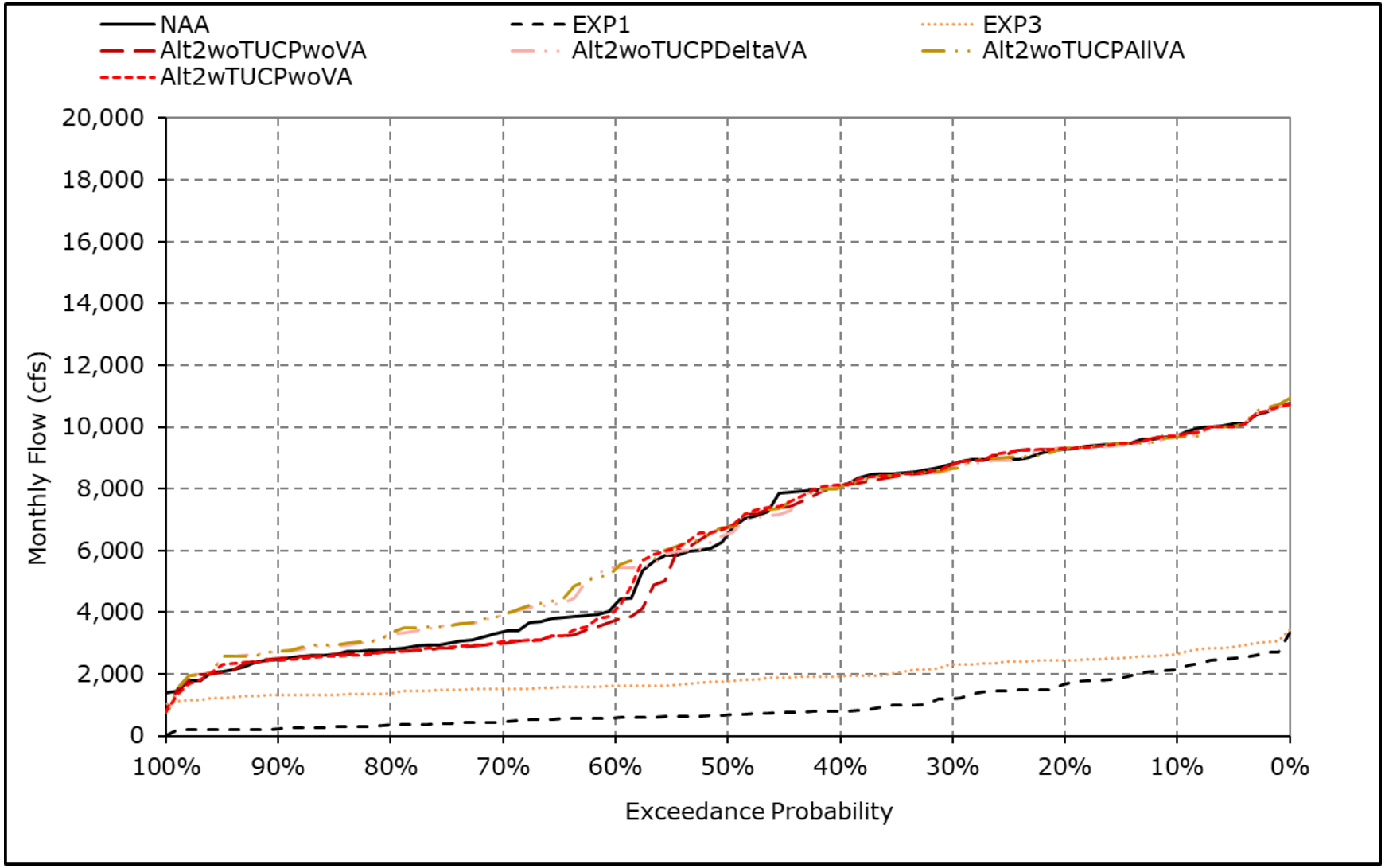
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-9-16. Feather River at Sacramento River Confluence Flow, July



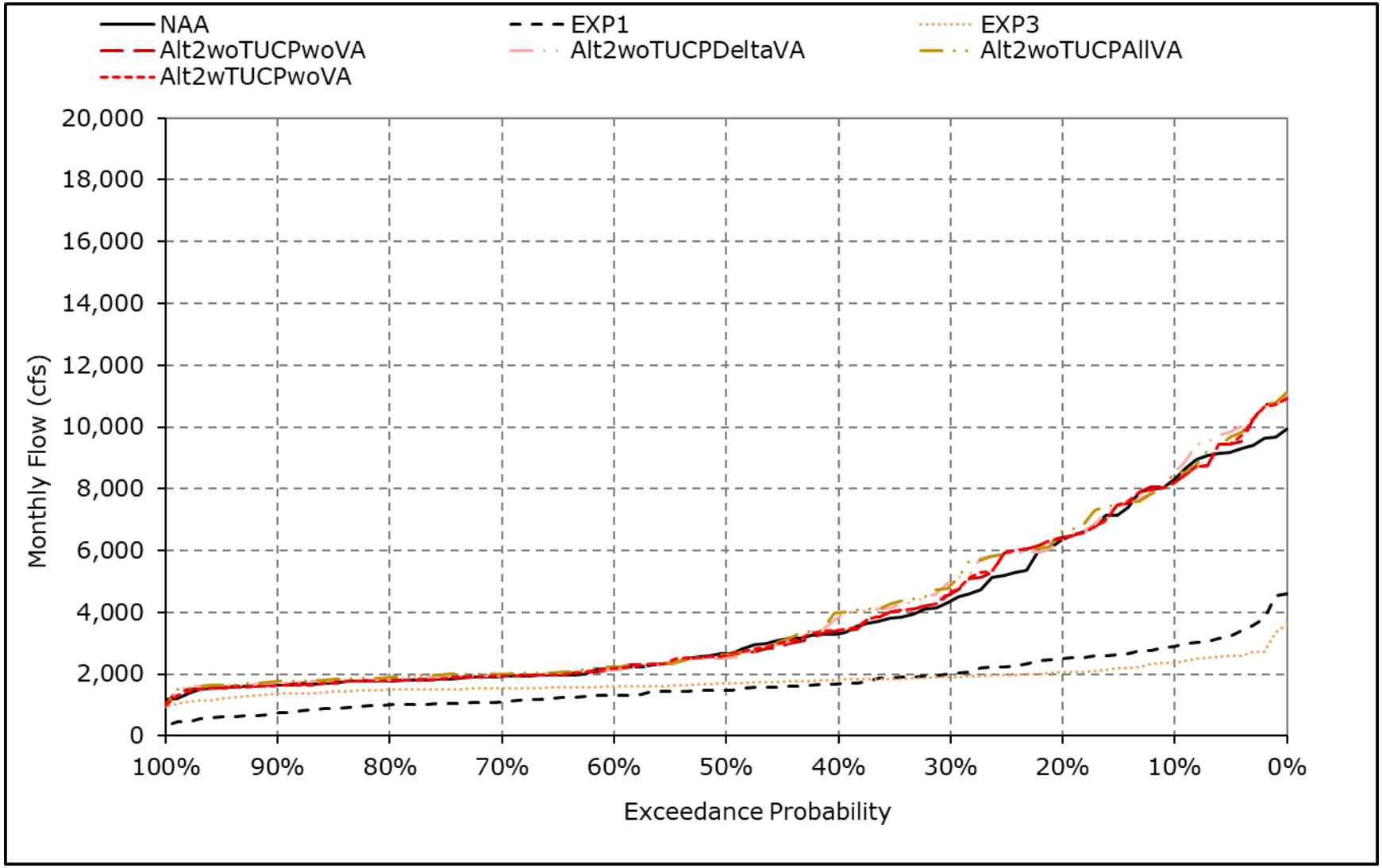
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-9-17. Feather River at Sacramento River Confluence Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-9-18. Feather River at Sacramento River Confluence Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-10-1a. Fremont Weir Spills, NAA, 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

Table F.2.2-10-1b. Fremont Weir Spills, Alt2woTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	180	10,951	27,274	50,902	21,124	20	0	0	0	0	0
20% Exceedance	0	17	2,919	9,977	16,341	5,655	0	0	0	0	0	0
30% Exceedance	0	6	1,009	2,591	6,395	2,283	0	0	0	0	0	0
40% Exceedance	0	0	222	1,651	3,443	1,089	0	0	0	0	0	0
50% Exceedance	0	0	101	805	1,740	455	0	0	0	0	0	0
60% Exceedance	0	0	15	246	636	228	0	0	0	0	0	0
70% Exceedance	0	0	5	82	262	69	0	0	0	0	0	0
80% Exceedance	0	0	0	19	68	20	0	0	0	0	0	0
90% Exceedance	0	0	0	7	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	260	3,700	9,117	13,768	7,261	953	11	0	0	0	0
Wet Water Years (28%)	0	477	4,941	27,317	39,698	21,540	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	339	1,386	8,078	12,824	7,134	1	0	0	0	0	0
Below Normal Water Years (18%)	0	55	3,811	1,416	1,607	688	12	43	0	0	0	0
Dry Water Years (24%)	189	272	5,754	242	2,191	405	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	151	264	61	0	0	0	0	0	0

Table F.2.2-10-1c. Fremont Weir Spills, Alt2woTUCPwoVA minus NAA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	38	-333	142	-175	83	-6	0	0	0	0	0
20% Exceedance	0	0	97	117	-37	-247	0	0	0	0	0	0
30% Exceedance	0	0	2	32	59	-417	0	0	0	0	0	0
40% Exceedance	0	0	23	0	2	-11	0	0	0	0	0	0
50% Exceedance	0	0	-3	40	256	3	0	0	0	0	0	0
60% Exceedance	0	0	-4	44	2	49	0	0	0	0	0	0
70% Exceedance	0	0	0	29	2	6	0	0	0	0	0	0
80% Exceedance	0	0	0	3	1	7	0	0	0	0	0	0
90% Exceedance	0	0	0	2	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-3	9	102	120	87	-82	-1	0	0	0	0	0
Wet Water Years (28%)	0	7	23	291	191	-2	-2	0	0	0	0	0
Above Normal Water Years (14%)	0	1	-12	231	48	-612	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	7	80	9	53	13	0	0	0	0	0	0
Dry Water Years (24%)	-14	22	345	13	68	6	0	0	0	0	0	0
Critical Water Years (16%)	0	0	1	6	4	2	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-2a. Fremont Weir Spills, NAA, 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

Table F.2.2-10-2b. Fremont Weir Spills, Alt2woTUCPDeltaVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	179	10,874	27,216	50,888	20,956	20	0	0	0	0	0
20% Exceedance	0	17	3,098	9,985	16,362	5,659	0	0	0	0	0	0
30% Exceedance	0	5	1,010	2,591	6,399	2,778	0	0	0	0	0	0
40% Exceedance	0	0	215	1,649	3,443	1,092	0	0	0	0	0	0
50% Exceedance	0	0	101	799	1,739	451	0	0	0	0	0	0
60% Exceedance	0	0	17	207	634	220	0	0	0	0	0	0
70% Exceedance	0	0	4	66	261	59	0	0	0	0	0	0
80% Exceedance	0	0	0	15	63	18	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]	46	252	3,656	9,067	13,742	7,262	953	11	0	0	0	0
Wet Water Years (28%)	0	475	4,929	27,124	39,624	21,537	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	320	1,378	8,134	12,806	7,158	0	0	0	0	0	0
Below Normal Water Years (18%)	0	58	3,742	1,410	1,565	685	12	43	0	0	0	0
Dry Water Years (24%)	190	250	5,645	234	2,217	402	0	0	0	0	0	0
Critical Water Years (16%)	0	2	273	147	258	60	0	0	0	0	0	0

Table F.2.2-10-2c. Fremont Weir Spills, Alt2woTUCPDeltaVA minus NAA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	37	-410	85	-189	-86	-6	0	0	0	0	0
20% Exceedance	0	0	276	124	-16	-242	0	0	0	0	0	0
30% Exceedance	0	0	3	33	63	78	0	0	0	0	0	0
40% Exceedance	0	0	16	-2	1	-9	0	0	0	0	0	0
50% Exceedance	0	0	-3	35	255	0	0	0	0	0	0	0
60% Exceedance	0	0	-2	5	1	41	0	0	0	0	0	0
70% Exceedance	0	0	0	13	2	-4	0	0	0	0	0	0
80% Exceedance	0	0	0	-1	-5	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]	-3	1	58	70	61	-81	-1	0	0	0	0	0
Wet Water Years (28%)	0	6	11	98	117	-5	-2	0	0	0	0	0
Above Normal Water Years (14%)	0	-18	-21	288	30	-588	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	10	10	3	10	10	0	0	0	0	0	0
Dry Water Years (24%)	-13	0	236	5	94	3	0	0	0	0	0	0
Critical Water Years (16%)	0	0	-3	2	-3	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-3a. Fremont Weir Spills, NAA, 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

Table F.2.2-10-3b. Fremont Weir Spills, Alt2woTUCPAllVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	209	10,651	27,163	50,860	20,610	20	0	0	0	0	0
20% Exceedance	0	18	3,187	9,861	16,930	5,534	0	0	0	0	0	0
30% Exceedance	0	5	1,009	2,579	6,414	2,767	0	0	0	0	0	0
40% Exceedance	0	0	222	1,614	3,391	1,082	0	0	0	0	0	0
50% Exceedance	0	0	101	799	1,695	451	0	0	0	0	0	0
60% Exceedance	0	0	17	205	634	205	0	0	0	0	0	0
70% Exceedance	0	0	4	66	252	59	0	0	0	0	0	0
80% Exceedance	0	0	0	14	69	15	0	0	0	0	0	0
90% Exceedance	0	0	0	7	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	47	264	3,664	9,064	13,726	7,216	951	9	0	0	0	0
Wet Water Years (28%)	0	474	4,929	27,084	39,498	21,385	3,390	11	0	0	0	0
Above Normal Water Years (14%)	0	334	1,367	8,200	12,799	7,134	0	0	0	0	0	0
Below Normal Water Years (18%)	0	66	3,685	1,408	1,587	683	12	35	0	0	0	0
Dry Water Years (24%)	197	290	5,725	232	2,281	403	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	147	259	59	0	0	0	0	0	0

Table F.2.2-10-3c. Fremont Weir Spills, Alt2woTUCPAllVA minus NAA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	67	-632	31	-217	-431	-6	0	0	0	0	0
20% Exceedance	0	0	365	0	552	-367	0	0	0	0	0	0
30% Exceedance	0	0	2	21	78	67	0	0	0	0	0	0
40% Exceedance	0	0	22	-36	-50	-19	0	0	0	0	0	0
50% Exceedance	0	0	-3	34	211	-1	0	0	0	0	0	0
60% Exceedance	0	0	-2	3	1	26	0	0	0	0	0	0
70% Exceedance	0	0	-1	13	-8	-4	0	0	0	0	0	0
80% Exceedance	0	0	0	-2	2	1	0	0	0	0	0	0
90% Exceedance	0	0	0	2	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-1	13	66	67	44	-128	-2	-2	0	0	0	0
Wet Water Years (28%)	0	5	11	58	-10	-158	-8	0	0	0	0	0
Above Normal Water Years (14%)	0	-5	-31	353	23	-612	-2	0	0	0	0	0
Below Normal Water Years (18%)	0	18	-46	1	32	8	0	-8	0	0	0	0
Dry Water Years (24%)	-5	41	316	3	158	3	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	2	-2	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-4a. Fremont Weir Spills, NAA, 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

Table F.2.2-10-4b. Fremont Weir Spills, Alt2wTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	180	11,166	27,295	50,889	21,177	21	0	0	0	0	0
20% Exceedance	0	17	2,919	9,983	17,977	5,907	0	0	0	0	0	0
30% Exceedance	0	6	1,010	2,597	6,745	2,779	0	0	0	0	0	0
40% Exceedance	0	0	222	1,677	3,447	1,090	0	0	0	0	0	0
50% Exceedance	0	0	101	803	1,740	450	0	0	0	0	0	0
60% Exceedance	0	0	18	245	636	232	0	0	0	0	0	0
70% Exceedance	0	0	5	67	262	69	0	0	0	0	0	0
80% Exceedance	0	0	0	19	68	19	0	0	0	0	0	0
90% Exceedance	0	0	0	7	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	260	3,703	9,172	13,814	7,334	955	11	0	0	0	0
Wet Water Years (28%)	0	477	4,940	27,432	39,743	21,545	3,397	11	0	0	0	0
Above Normal Water Years (14%)	0	340	1,388	8,233	12,869	7,646	1	0	0	0	0	0
Below Normal Water Years (18%)	0	53	3,826	1,422	1,643	690	21	43	0	0	0	0
Dry Water Years (24%)	189	272	5,757	242	2,278	404	0	0	0	0	0	0
Critical Water Years (16%)	0	2	275	149	263	58	0	0	0	0	0	0

Table F.2.2-10-4c. Fremont Weir Spills, Alt2wTUCPwoVA minus NAA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	38	-117	163	-188	136	-5	0	0	0	0	0
20% Exceedance	0	0	96	123	1,599	6	0	0	0	0	0	0
30% Exceedance	0	0	3	38	409	80	0	0	0	0	0	0
40% Exceedance	0	0	23	27	6	-10	0	0	0	0	0	0
50% Exceedance	0	0	-3	39	256	-2	0	0	0	0	0	0
60% Exceedance	0	0	-2	43	2	54	0	0	0	0	0	0
70% Exceedance	0	0	0	14	2	6	0	0	0	0	0	0
80% Exceedance	0	0	0	3	1	6	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]	-3	9	105	175	133	-10	1	0	0	0	0	0
Wet Water Years (28%)	0	8	22	407	236	2	-1	0	0	0	0	0
Above Normal Water Years (14%)	0	1	-11	386	94	-100	-1	0	0	0	0	0
Below Normal Water Years (18%)	0	5	94	15	89	16	10	0	0	0	0	0
Dry Water Years (24%)	-14	22	348	13	156	5	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	4	2	-1	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-5a. Fremont Weir Spills, NAA, 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

Table F.2.2-10-5b. Fremont Weir Spills, EXP3, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	101	32,376	37,575	53,629	27,583	128	0	0	0	0	0
20% Exceedance	0	12	11,355	14,122	21,642	9,625	0	0	0	0	0	0
30% Exceedance	0	1	4,197	4,368	10,609	3,583	0	0	0	0	0	0
40% Exceedance	0	0	1,908	2,234	5,596	1,576	0	0	0	0	0	0
50% Exceedance	0	0	781	1,413	2,249	726	0	0	0	0	0	0
60% Exceedance	0	0	260	317	880	281	0	0	0	0	0	0
70% Exceedance	0	0	82	121	282	87	0	0	0	0	0	0
80% Exceedance	0	0	8	12	57	25	0	0	0	0	0	0
90% Exceedance	0	0	0	5	4	0	0	0	0	0	0	0
Full Simulation Period Average[a]	52	227	8,646	10,987	16,005	8,225	1,157	41	0	0	0	0
Wet Water Years (28%)	0	356	11,126	31,721	42,403	21,759	3,980	19	0	0	0	0
Above Normal Water Years (14%)	0	395	6,273	11,445	17,753	10,972	2	0	0	0	0	0
Below Normal Water Years (18%)	0	42	10,566	2,174	3,342	1,388	168	200	0	0	0	0
Dry Water Years (24%)	215	251	10,983	338	4,172	1,407	51	0	0	0	0	0
Critical Water Years (16%)	0	2	348	188	273	53	0	0	0	0	0	0

Table F.2.2-10-5c. Fremont Weir Spills, EXP3 minus NAA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-41	21,092	10,443	2,552	6,542	102	0	0	0	0	0
20% Exceedance	0	-6	8,533	4,262	5,264	3,724	0	0	0	0	0	0
30% Exceedance	0	-5	3,190	1,810	4,273	883	0	0	0	0	0	0
40% Exceedance	0	0	1,709	583	2,155	476	0	0	0	0	0	0
50% Exceedance	0	0	677	648	765	274	0	0	0	0	0	0
60% Exceedance	0	0	240	115	247	103	0	0	0	0	0	0
70% Exceedance	0	0	77	68	23	24	0	0	0	0	0	0
80% Exceedance	0	0	8	-4	-10	12	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-10	0	0	0	0	0	0	0
Full Simulation Period Average[a]	3	-24	5,048	1,989	2,323	882	203	30	0	0	0	0
Wet Water Years (28%)	0	-113	6,208	4,696	2,895	216	581	7	0	0	0	0
Above Normal Water Years (14%)	0	57	4,875	3,598	4,977	3,226	1	0	0	0	0	0
Below Normal Water Years (18%)	0	-6	6,834	767	1,788	714	156	157	0	0	0	0
Dry Water Years (24%)	12	2	5,574	109	2,049	1,008	51	0	0	0	0	0
Critical Water Years (16%)	0	0	72	43	13	-6	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-6a. Fremont Weir Spills, EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	800	18,833	42,764	48,514	26,594	5,736	0	0	0	0	0
20% Exceedance	0	69	11,970	16,294	24,802	14,364	1,028	0	0	0	0	0
30% Exceedance	0	9	2,090	6,032	15,129	6,420	5	0	0	0	0	0
40% Exceedance	0	0	976	3,241	7,731	2,815	0	0	0	0	0	0
50% Exceedance	0	0	286	2,244	4,095	1,876	0	0	0	0	0	0
60% Exceedance	0	0	60	650	2,144	985	0	0	0	0	0	0
70% Exceedance	0	0	5	132	890	454	0	0	0	0	0	0
80% Exceedance	0	0	0	27	262	123	0	0	0	0	0	0
90% Exceedance	0	0	0	7	44	29	0	0	0	0	0	0
Full Simulation Period Average[a]	140	640	5,970	11,886	16,642	9,677	2,342	134	0	0	0	0
Wet Water Years (28%)	0	522	6,109	32,165	41,219	23,447	7,541	303	0	0	0	0
Above Normal Water Years (14%)	0	1,288	3,478	14,714	18,590	13,243	566	0	0	0	0	0
Below Normal Water Years (18%)	0	208	7,770	3,326	4,416	3,539	632	274	0	0	0	0
Dry Water Years (24%)	584	1,088	8,844	647	6,552	2,383	156	0	0	0	0	0
Critical Water Years (16%)	0	13	1,441	409	817	306	0	0	0	0	0	0

Table F.2.2-10-6b. Fremont Weir Spills, Alt2woTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	180	10,951	27,274	50,902	21,124	20	0	0	0	0	0
20% Exceedance	0	17	2,919	9,977	16,341	5,655	0	0	0	0	0	0
30% Exceedance	0	6	1,009	2,591	6,395	2,283	0	0	0	0	0	0
40% Exceedance	0	0	222	1,651	3,443	1,089	0	0	0	0	0	0
50% Exceedance	0	0	101	805	1,740	455	0	0	0	0	0	0
60% Exceedance	0	0	15	246	636	228	0	0	0	0	0	0
70% Exceedance	0	0	5	82	262	69	0	0	0	0	0	0
80% Exceedance	0	0	0	19	68	20	0	0	0	0	0	0
90% Exceedance	0	0	0	7	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	260	3,700	9,117	13,768	7,261	953	11	0	0	0	0
Wet Water Years (28%)	0	477	4,941	27,317	39,698	21,540	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	339	1,386	8,078	12,824	7,134	1	0	0	0	0	0
Below Normal Water Years (18%)	0	55	3,811	1,416	1,607	688	12	43	0	0	0	0
Dry Water Years (24%)	189	272	5,754	242	2,191	405	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	151	264	61	0	0	0	0	0	0

Table F.2.2-10-6c. Fremont Weir Spills, Alt2woTUCPwoVA minus EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-620	-7,882	-15,490	2,388	-5,470	-5,715	0	0	0	0	0
20% Exceedance	0	-52	-9,050	-6,317	-8,461	-8,710	-1,028	0	0	0	0	0
30% Exceedance	0	-3	-1,081	-3,442	-8,734	-4,138	-5	0	0	0	0	0
40% Exceedance	0	0	-754	-1,590	-4,288	-1,726	0	0	0	0	0	0
50% Exceedance	0	0	-186	-1,439	-2,355	-1,421	0	0	0	0	0	0
60% Exceedance	0	0	-45	-404	-1,508	-757	0	0	0	0	0	0
70% Exceedance	0	0	0	-50	-629	-385	0	0	0	0	0	0
80% Exceedance	0	0	0	-8	-194	-103	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-30	-29	0	0	0	0	0	0
Full Simulation Period Average[a]	-95	-380	-2,270	-2,769	-2,874	-2,416	-1,389	-123	0	0	0	0
Wet Water Years (28%)	0	-45	-1,168	-4,849	-1,520	-1,906	-4,145	-291	0	0	0	0
Above Normal Water Years (14%)	0	-948	-2,092	-6,636	-5,765	-6,109	-565	0	0	0	0	0
Below Normal Water Years (18%)	0	-153	-3,959	-1,910	-2,809	-2,852	-620	-231	0	0	0	0
Dry Water Years (24%)	-395	-817	-3,090	-405	-4,361	-1,978	-156	0	0	0	0	0
Critical Water Years (16%)	0	-12	-1,164	-258	-553	-245	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-7a. Fremont Weir Spills, EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	800	18,833	42,764	48,514	26,594	5,736	0	0	0	0	0
20% Exceedance	0	69	11,970	16,294	24,802	14,364	1,028	0	0	0	0	0
30% Exceedance	0	9	2,090	6,032	15,129	6,420	5	0	0	0	0	0
40% Exceedance	0	0	976	3,241	7,731	2,815	0	0	0	0	0	0
50% Exceedance	0	0	286	2,244	4,095	1,876	0	0	0	0	0	0
60% Exceedance	0	0	60	650	2,144	985	0	0	0	0	0	0
70% Exceedance	0	0	5	132	890	454	0	0	0	0	0	0
80% Exceedance	0	0	0	27	262	123	0	0	0	0	0	0
90% Exceedance	0	0	0	7	44	29	0	0	0	0	0	0
Full Simulation Period Average[a]	140	640	5,970	11,886	16,642	9,677	2,342	134	0	0	0	0
Wet Water Years (28%)	0	522	6,109	32,165	41,219	23,447	7,541	303	0	0	0	0
Above Normal Water Years (14%)	0	1,288	3,478	14,714	18,590	13,243	566	0	0	0	0	0
Below Normal Water Years (18%)	0	208	7,770	3,326	4,416	3,539	632	274	0	0	0	0
Dry Water Years (24%)	584	1,088	8,844	647	6,552	2,383	156	0	0	0	0	0
Critical Water Years (16%)	0	13	1,441	409	817	306	0	0	0	0	0	0

Table F.2.2-10-7b. Fremont Weir Spills, Alt2woTUCPDeltaVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	179	10,874	27,216	50,888	20,956	20	0	0	0	0	0
20% Exceedance	0	17	3,098	9,985	16,362	5,659	0	0	0	0	0	0
30% Exceedance	0	5	1,010	2,591	6,399	2,778	0	0	0	0	0	0
40% Exceedance	0	0	215	1,649	3,443	1,092	0	0	0	0	0	0
50% Exceedance	0	0	101	799	1,739	451	0	0	0	0	0	0
60% Exceedance	0	0	17	207	634	220	0	0	0	0	0	0
70% Exceedance	0	0	4	66	261	59	0	0	0	0	0	0
80% Exceedance	0	0	0	15	63	18	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]	46	252	3,656	9,067	13,742	7,262	953	11	0	0	0	0
Wet Water Years (28%)	0	475	4,929	27,124	39,624	21,537	3,396	11	0	0	0	0
Above Normal Water Years (14%)	0	320	1,378	8,134	12,806	7,158	0	0	0	0	0	0
Below Normal Water Years (18%)	0	58	3,742	1,410	1,565	685	12	43	0	0	0	0
Dry Water Years (24%)	190	250	5,645	234	2,217	402	0	0	0	0	0	0
Critical Water Years (16%)	0	2	273	147	258	60	0	0	0	0	0	0

Table F.2.2-10-7c. Fremont Weir Spills, Alt2woTUCPDeltaVA minus EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-621	-7,959	-15,548	2,374	-5,639	-5,716	0	0	0	0	0
20% Exceedance	0	-52	-8,872	-6,309	-8,440	-8,706	-1,028	0	0	0	0	0
30% Exceedance	0	-4	-1,080	-3,441	-8,730	-3,642	-5	0	0	0	0	0
40% Exceedance	0	0	-761	-1,592	-4,288	-1,724	0	0	0	0	0	0
50% Exceedance	0	0	-186	-1,445	-2,356	-1,425	0	0	0	0	0	0
60% Exceedance	0	0	-43	-443	-1,509	-765	0	0	0	0	0	0
70% Exceedance	0	0	0	-66	-629	-395	0	0	0	0	0	0
80% Exceedance	0	0	0	-12	-200	-105	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-31	-29	0	0	0	0	0	0
Full Simulation Period Average[a]	-95	-388	-2,314	-2,819	-2,899	-2,415	-1,389	-123	0	0	0	0
Wet Water Years (28%)	0	-47	-1,180	-5,042	-1,595	-1,909	-4,145	-291	0	0	0	0
Above Normal Water Years (14%)	0	-967	-2,100	-6,579	-5,784	-6,085	-566	0	0	0	0	0
Below Normal Water Years (18%)	0	-150	-4,028	-1,916	-2,852	-2,855	-620	-231	0	0	0	0
Dry Water Years (24%)	-394	-838	-3,200	-413	-4,335	-1,981	-156	0	0	0	0	0
Critical Water Years (16%)	0	-12	-1,167	-262	-560	-247	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-8a. Fremont Weir Spills, EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	800	18,833	42,764	48,514	26,594	5,736	0	0	0	0	0
20% Exceedance	0	69	11,970	16,294	24,802	14,364	1,028	0	0	0	0	0
30% Exceedance	0	9	2,090	6,032	15,129	6,420	5	0	0	0	0	0
40% Exceedance	0	0	976	3,241	7,731	2,815	0	0	0	0	0	0
50% Exceedance	0	0	286	2,244	4,095	1,876	0	0	0	0	0	0
60% Exceedance	0	0	60	650	2,144	985	0	0	0	0	0	0
70% Exceedance	0	0	5	132	890	454	0	0	0	0	0	0
80% Exceedance	0	0	0	27	262	123	0	0	0	0	0	0
90% Exceedance	0	0	0	7	44	29	0	0	0	0	0	0
Full Simulation Period Average[a]	140	640	5,970	11,886	16,642	9,677	2,342	134	0	0	0	0
Wet Water Years (28%)	0	522	6,109	32,165	41,219	23,447	7,541	303	0	0	0	0
Above Normal Water Years (14%)	0	1,288	3,478	14,714	18,590	13,243	566	0	0	0	0	0
Below Normal Water Years (18%)	0	208	7,770	3,326	4,416	3,539	632	274	0	0	0	0
Dry Water Years (24%)	584	1,088	8,844	647	6,552	2,383	156	0	0	0	0	0
Critical Water Years (16%)	0	13	1,441	409	817	306	0	0	0	0	0	0

Table F.2.2-10-8b. Fremont Weir Spills, Alt2woTUCPAllVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	209	10,651	27,163	50,860	20,610	20	0	0	0	0	0
20% Exceedance	0	18	3,187	9,861	16,930	5,534	0	0	0	0	0	0
30% Exceedance	0	5	1,009	2,579	6,414	2,767	0	0	0	0	0	0
40% Exceedance	0	0	222	1,614	3,391	1,082	0	0	0	0	0	0
50% Exceedance	0	0	101	799	1,695	451	0	0	0	0	0	0
60% Exceedance	0	0	17	205	634	205	0	0	0	0	0	0
70% Exceedance	0	0	4	66	252	59	0	0	0	0	0	0
80% Exceedance	0	0	0	14	69	15	0	0	0	0	0	0
90% Exceedance	0	0	0	7	14	0	0	0	0	0	0	0
Full Simulation Period Average[a]	47	264	3,664	9,064	13,726	7,216	951	9	0	0	0	0
Wet Water Years (28%)	0	474	4,929	27,084	39,498	21,385	3,390	11	0	0	0	0
Above Normal Water Years (14%)	0	334	1,367	8,200	12,799	7,134	0	0	0	0	0	0
Below Normal Water Years (18%)	0	66	3,685	1,408	1,587	683	12	35	0	0	0	0
Dry Water Years (24%)	197	290	5,725	232	2,281	403	0	0	0	0	0	0
Critical Water Years (16%)	0	2	276	147	259	59	0	0	0	0	0	0

Table F.2.2-10-8c. Fremont Weir Spills, Alt2woTUCPAllVA minus EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-591	-8,181	-15,601	2,346	-5,984	-5,716	0	0	0	0	0
20% Exceedance	0	-51	-8,783	-6,433	-7,872	-8,830	-1,028	0	0	0	0	0
30% Exceedance	0	-4	-1,081	-3,453	-8,715	-3,654	-5	0	0	0	0	0
40% Exceedance	0	0	-754	-1,627	-4,340	-1,733	0	0	0	0	0	0
50% Exceedance	0	0	-186	-1,445	-2,400	-1,425	0	0	0	0	0	0
60% Exceedance	0	0	-43	-445	-1,509	-781	0	0	0	0	0	0
70% Exceedance	0	0	-1	-66	-639	-395	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	-193	-108	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-30	-29	0	0	0	0	0	0
Full Simulation Period Average[a]	-93	-376	-2,306	-2,822	-2,916	-2,462	-1,390	-125	0	0	0	0
Wet Water Years (28%)	0	-48	-1,180	-5,082	-1,721	-2,061	-4,151	-291	0	0	0	0
Above Normal Water Years (14%)	0	-954	-2,111	-6,514	-5,791	-6,109	-566	0	0	0	0	0
Below Normal Water Years (18%)	0	-142	-4,085	-1,917	-2,830	-2,857	-620	-239	0	0	0	0
Dry Water Years (24%)	-387	-798	-3,120	-415	-4,271	-1,981	-156	0	0	0	0	0
Critical Water Years (16%)	0	-12	-1,165	-262	-559	-247	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-9a. Fremont Weir Spills, EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	800	18,833	42,764	48,514	26,594	5,736	0	0	0	0	0
20% Exceedance	0	69	11,970	16,294	24,802	14,364	1,028	0	0	0	0	0
30% Exceedance	0	9	2,090	6,032	15,129	6,420	5	0	0	0	0	0
40% Exceedance	0	0	976	3,241	7,731	2,815	0	0	0	0	0	0
50% Exceedance	0	0	286	2,244	4,095	1,876	0	0	0	0	0	0
60% Exceedance	0	0	60	650	2,144	985	0	0	0	0	0	0
70% Exceedance	0	0	5	132	890	454	0	0	0	0	0	0
80% Exceedance	0	0	0	27	262	123	0	0	0	0	0	0
90% Exceedance	0	0	0	7	44	29	0	0	0	0	0	0
Full Simulation Period Average[a]	140	640	5,970	11,886	16,642	9,677	2,342	134	0	0	0	0
Wet Water Years (28%)	0	522	6,109	32,165	41,219	23,447	7,541	303	0	0	0	0
Above Normal Water Years (14%)	0	1,288	3,478	14,714	18,590	13,243	566	0	0	0	0	0
Below Normal Water Years (18%)	0	208	7,770	3,326	4,416	3,539	632	274	0	0	0	0
Dry Water Years (24%)	584	1,088	8,844	647	6,552	2,383	156	0	0	0	0	0
Critical Water Years (16%)	0	13	1,441	409	817	306	0	0	0	0	0	0

Table F.2.2-10-9b. Fremont Weir Spills, Alt2wTUCPwoVA, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	180	11,166	27,295	50,889	21,177	21	0	0	0	0	0
20% Exceedance	0	17	2,919	9,983	17,977	5,907	0	0	0	0	0	0
30% Exceedance	0	6	1,010	2,597	6,745	2,779	0	0	0	0	0	0
40% Exceedance	0	0	222	1,677	3,447	1,090	0	0	0	0	0	0
50% Exceedance	0	0	101	803	1,740	450	0	0	0	0	0	0
60% Exceedance	0	0	18	245	636	232	0	0	0	0	0	0
70% Exceedance	0	0	5	67	262	69	0	0	0	0	0	0
80% Exceedance	0	0	0	19	68	19	0	0	0	0	0	0
90% Exceedance	0	0	0	7	13	0	0	0	0	0	0	0
Full Simulation Period Average[a]	45	260	3,703	9,172	13,814	7,334	955	11	0	0	0	0
Wet Water Years (28%)	0	477	4,940	27,432	39,743	21,545	3,397	11	0	0	0	0
Above Normal Water Years (14%)	0	340	1,388	8,233	12,869	7,646	1	0	0	0	0	0
Below Normal Water Years (18%)	0	53	3,826	1,422	1,643	690	21	43	0	0	0	0
Dry Water Years (24%)	189	272	5,757	242	2,278	404	0	0	0	0	0	0
Critical Water Years (16%)	0	2	275	149	263	58	0	0	0	0	0	0

Table F.2.2-10-9c. Fremont Weir Spills, Alt2wTUCPwoVA minus EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-619	-7,666	-15,470	2,374	-5,418	-5,715	0	0	0	0	0
20% Exceedance	0	-52	-9,051	-6,310	-6,825	-8,458	-1,028	0	0	0	0	0
30% Exceedance	0	-3	-1,081	-3,435	-8,384	-3,641	-5	0	0	0	0	0
40% Exceedance	0	0	-753	-1,563	-4,284	-1,725	0	0	0	0	0	0
50% Exceedance	0	0	-186	-1,441	-2,355	-1,426	0	0	0	0	0	0
60% Exceedance	0	0	-42	-405	-1,508	-753	0	0	0	0	0	0
70% Exceedance	0	0	0	-65	-629	-385	0	0	0	0	0	0
80% Exceedance	0	0	0	-8	-195	-104	0	0	0	0	0	0
90% Exceedance	0	0	0	0	-31	-29	0	0	0	0	0	0
Full Simulation Period Average[a]	-95	-380	-2,267	-2,714	-2,828	-2,344	-1,387	-123	0	0	0	0
Wet Water Years (28%)	0	-45	-1,169	-4,733	-1,475	-1,902	-4,144	-291	0	0	0	0
Above Normal Water Years (14%)	0	-948	-2,090	-6,481	-5,720	-5,597	-565	0	0	0	0	0
Below Normal Water Years (18%)	0	-155	-3,944	-1,904	-2,773	-2,849	-611	-231	0	0	0	0
Dry Water Years (24%)	-395	-816	-3,087	-405	-4,274	-1,979	-156	0	0	0	0	0
Critical Water Years (16%)	0	-12	-1,165	-260	-555	-248	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-10-10a. Fremont Weir Spills, EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	800	18,833	42,764	48,514	26,594	5,736	0	0	0	0	0
20% Exceedance	0	69	11,970	16,294	24,802	14,364	1,028	0	0	0	0	0
30% Exceedance	0	9	2,090	6,032	15,129	6,420	5	0	0	0	0	0
40% Exceedance	0	0	976	3,241	7,731	2,815	0	0	0	0	0	0
50% Exceedance	0	0	286	2,244	4,095	1,876	0	0	0	0	0	0
60% Exceedance	0	0	60	650	2,144	985	0	0	0	0	0	0
70% Exceedance	0	0	5	132	890	454	0	0	0	0	0	0
80% Exceedance	0	0	0	27	262	123	0	0	0	0	0	0
90% Exceedance	0	0	0	7	44	29	0	0	0	0	0	0
Full Simulation Period Average[a]	140	640	5,970	11,886	16,642	9,677	2,342	134	0	0	0	0
Wet Water Years (28%)	0	522	6,109	32,165	41,219	23,447	7,541	303	0	0	0	0
Above Normal Water Years (14%)	0	1,288	3,478	14,714	18,590	13,243	566	0	0	0	0	0
Below Normal Water Years (18%)	0	208	7,770	3,326	4,416	3,539	632	274	0	0	0	0
Dry Water Years (24%)	584	1,088	8,844	647	6,552	2,383	156	0	0	0	0	0
Critical Water Years (16%)	0	13	1,441	409	817	306	0	0	0	0	0	0

Table F.2.2-10-10b. Fremont Weir Spills, NAA, 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

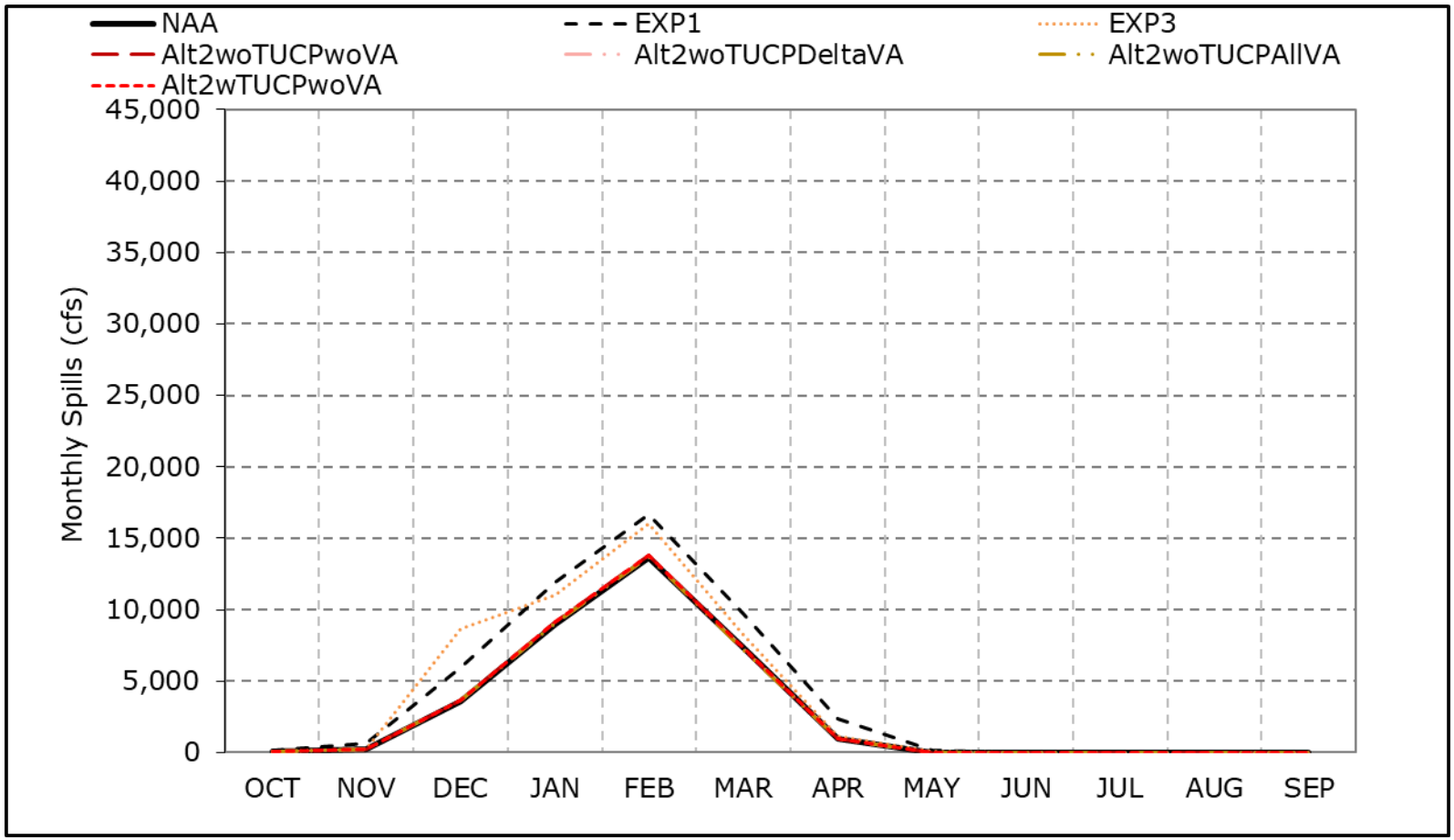
Table F.2.2-10-10c. Fremont Weir Spills, NAA minus EXP1, Monthly Spills (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-658	-7,549	-15,633	2,563	-5,553	-5,710	0	0	0	0	0
20% Exceedance	0	-52	-9,147	-6,433	-8,424	-8,463	-1,028	0	0	0	0	0
30% Exceedance	0	-4	-1,083	-3,474	-8,793	-3,721	-5	0	0	0	0	0
40% Exceedance	0	0	-777	-1,590	-4,289	-1,715	0	0	0	0	0	0
50% Exceedance	0	0	-183	-1,479	-2,611	-1,424	0	0	0	0	0	0
60% Exceedance	0	0	-41	-448	-1,510	-807	0	0	0	0	0	0
70% Exceedance	0	0	0	-79	-631	-391	0	0	0	0	0	0
80% Exceedance	0	0	0	-11	-195	-110	0	0	0	0	0	0
90% Exceedance	0	0	0	-2	-30	-29	0	0	0	0	0	0
Full Simulation Period Average[a]	-92	-389	-2,372	-2,889	-2,960	-2,334	-1,388	-123	0	0	0	0
Wet Water Years (28%)	0	-53	-1,191	-5,140	-1,711	-1,904	-4,143	-291	0	0	0	0
Above Normal Water Years (14%)	0	-949	-2,080	-6,867	-5,814	-5,497	-564	0	0	0	0	0
Below Normal Water Years (18%)	0	-160	-4,039	-1,919	-2,862	-2,865	-620	-231	0	0	0	0
Dry Water Years (24%)	-382	-839	-3,436	-418	-4,429	-1,984	-156	0	0	0	0	0
Critical Water Years (16%)	0	-12	-1,165	-264	-557	-247	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

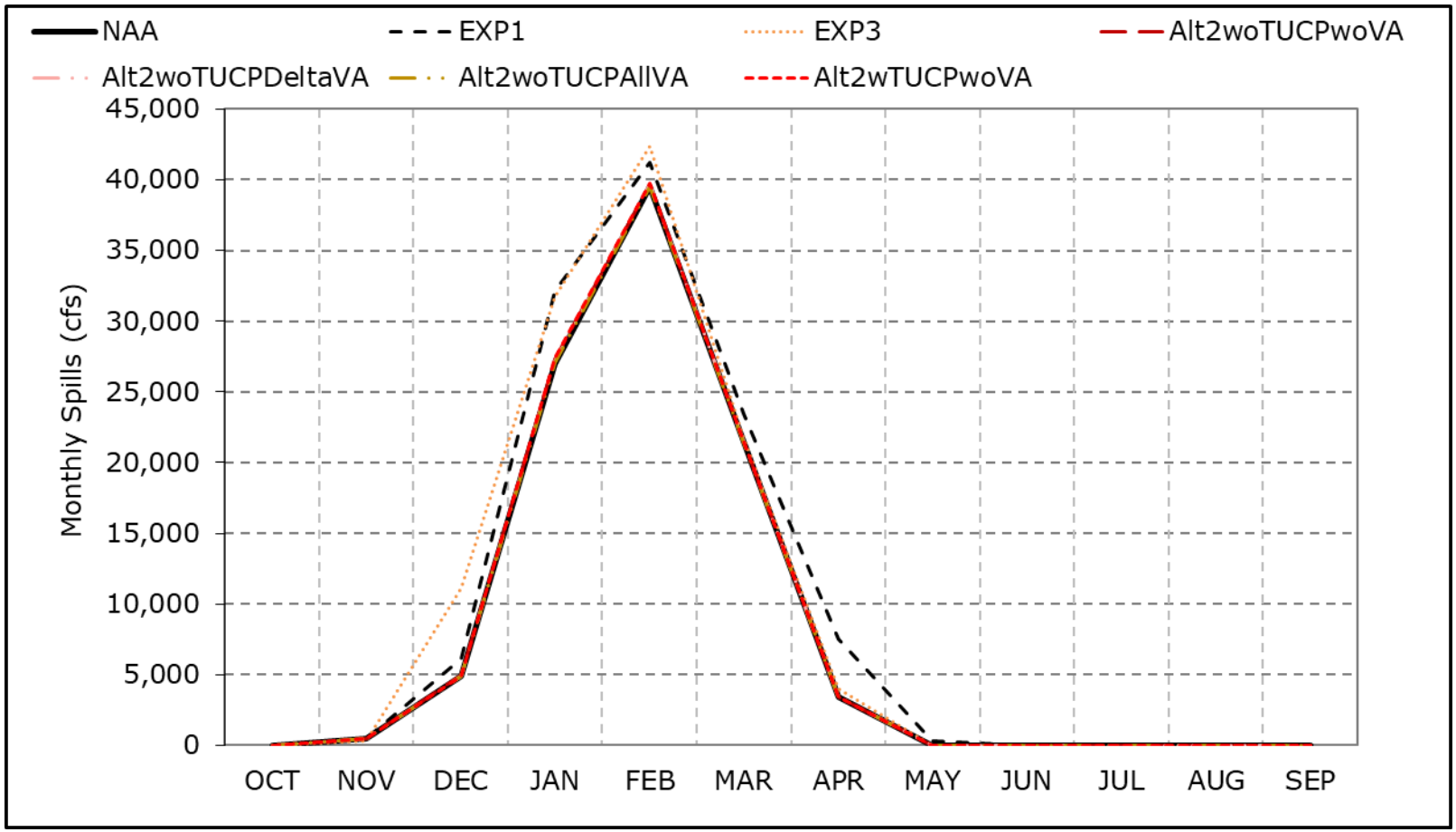
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



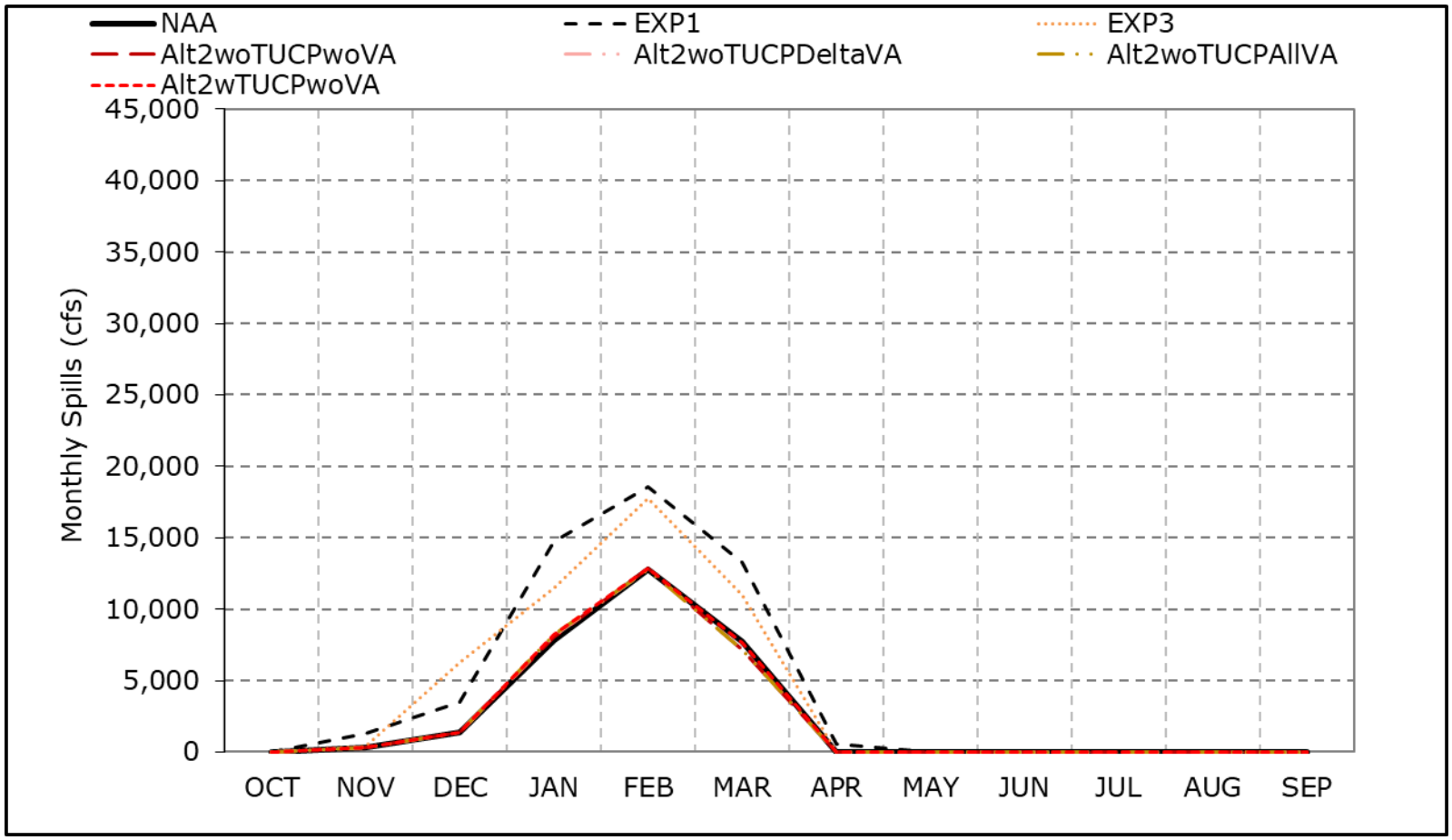
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



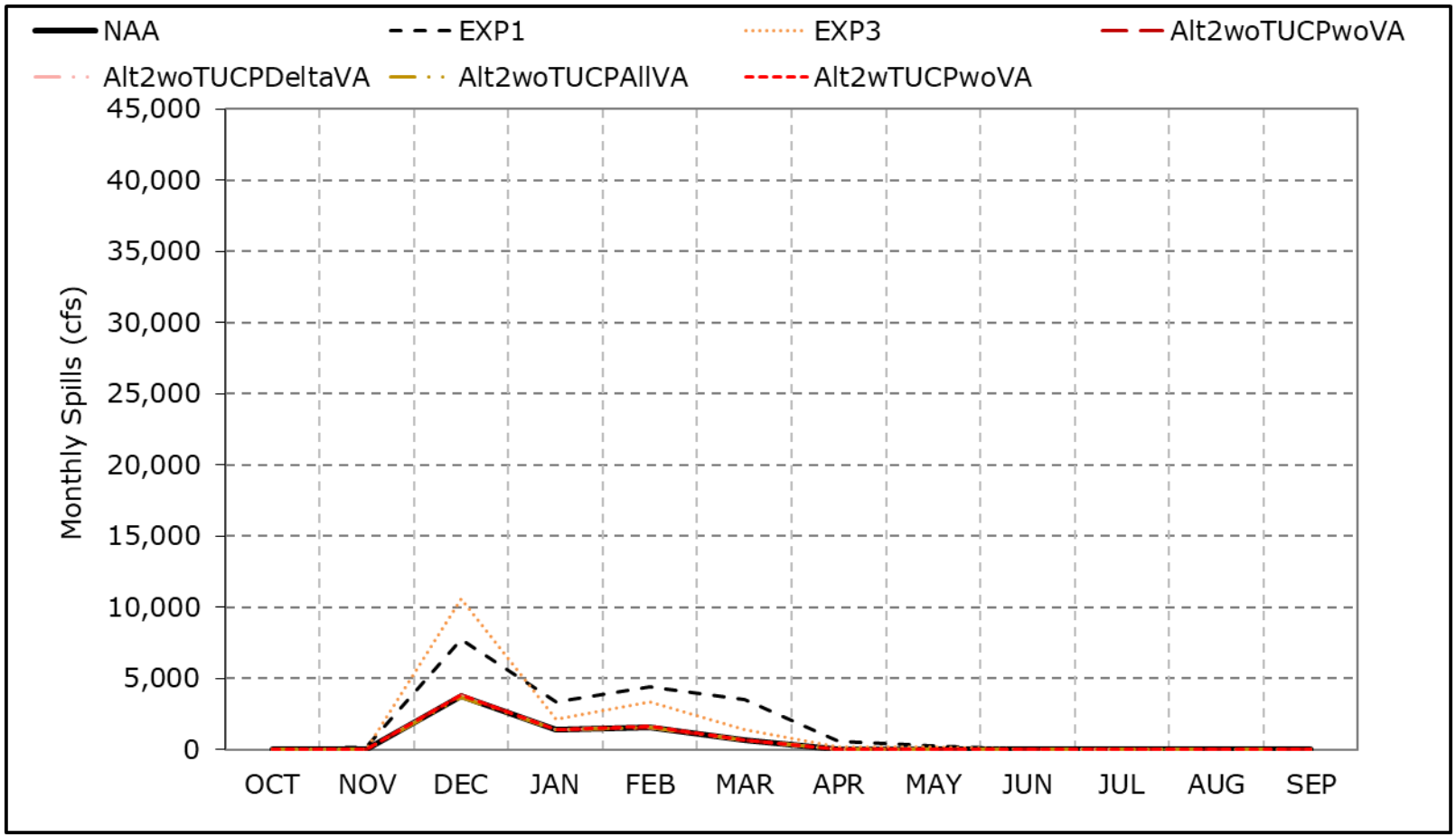
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



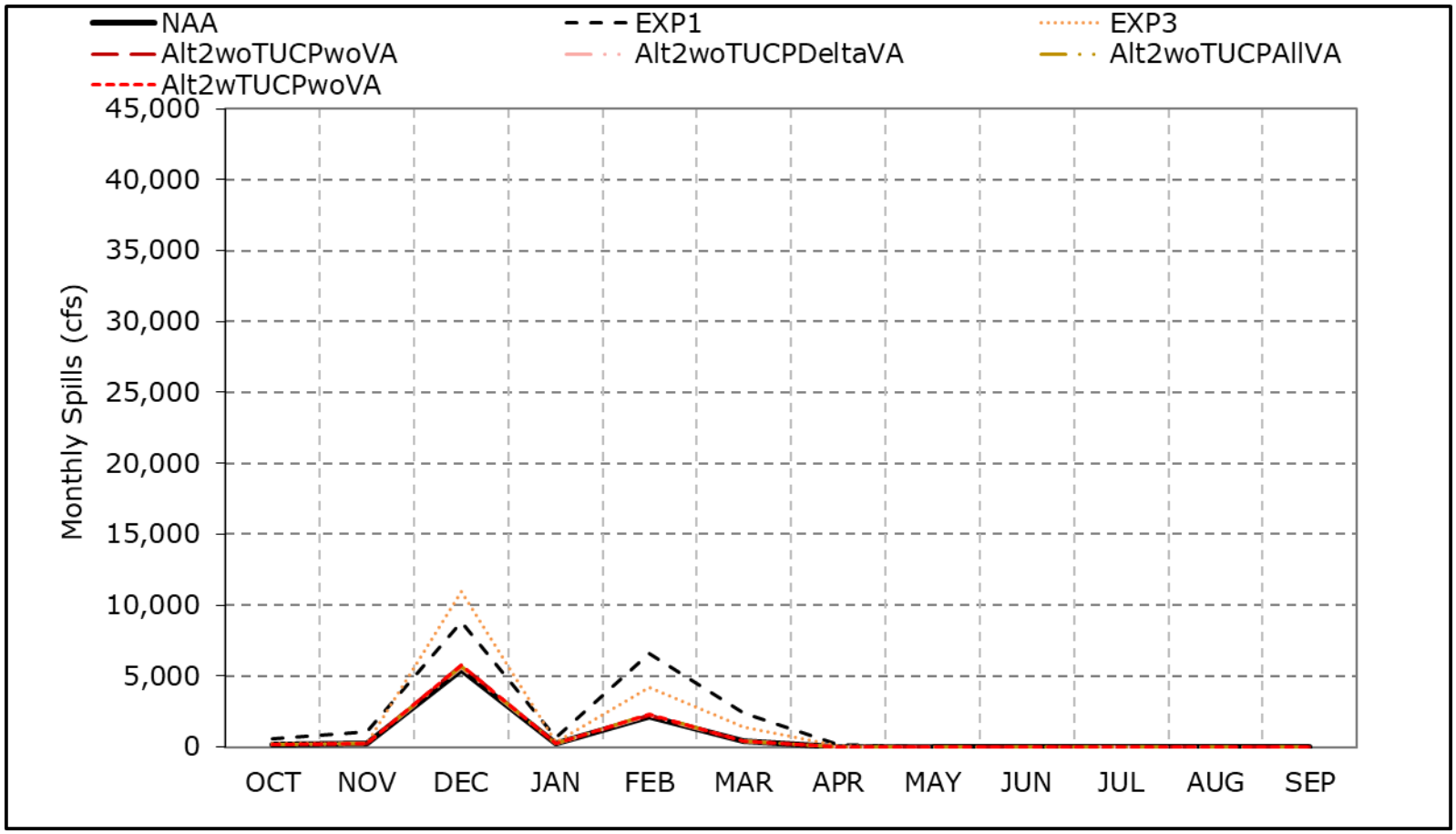
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



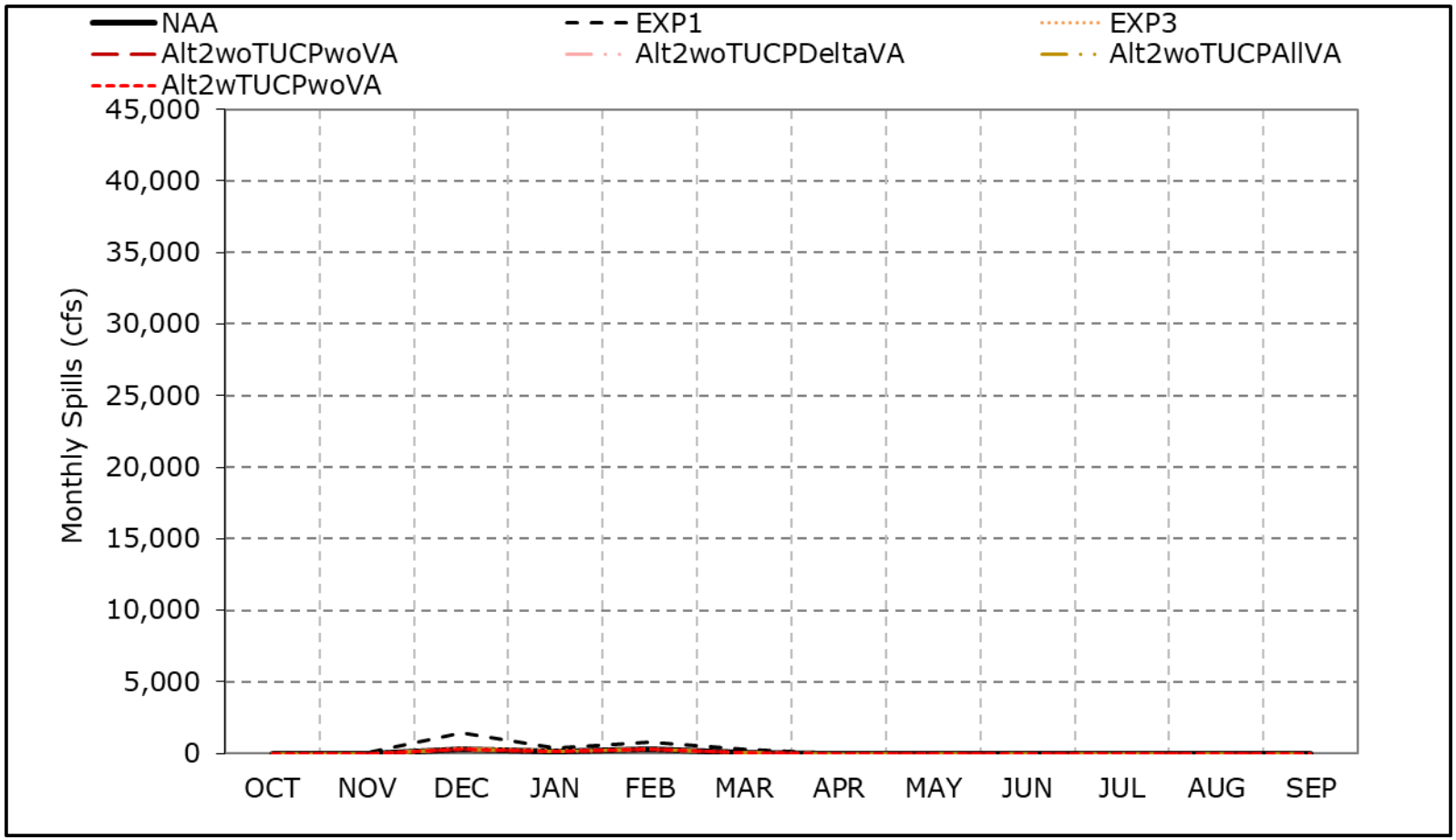
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



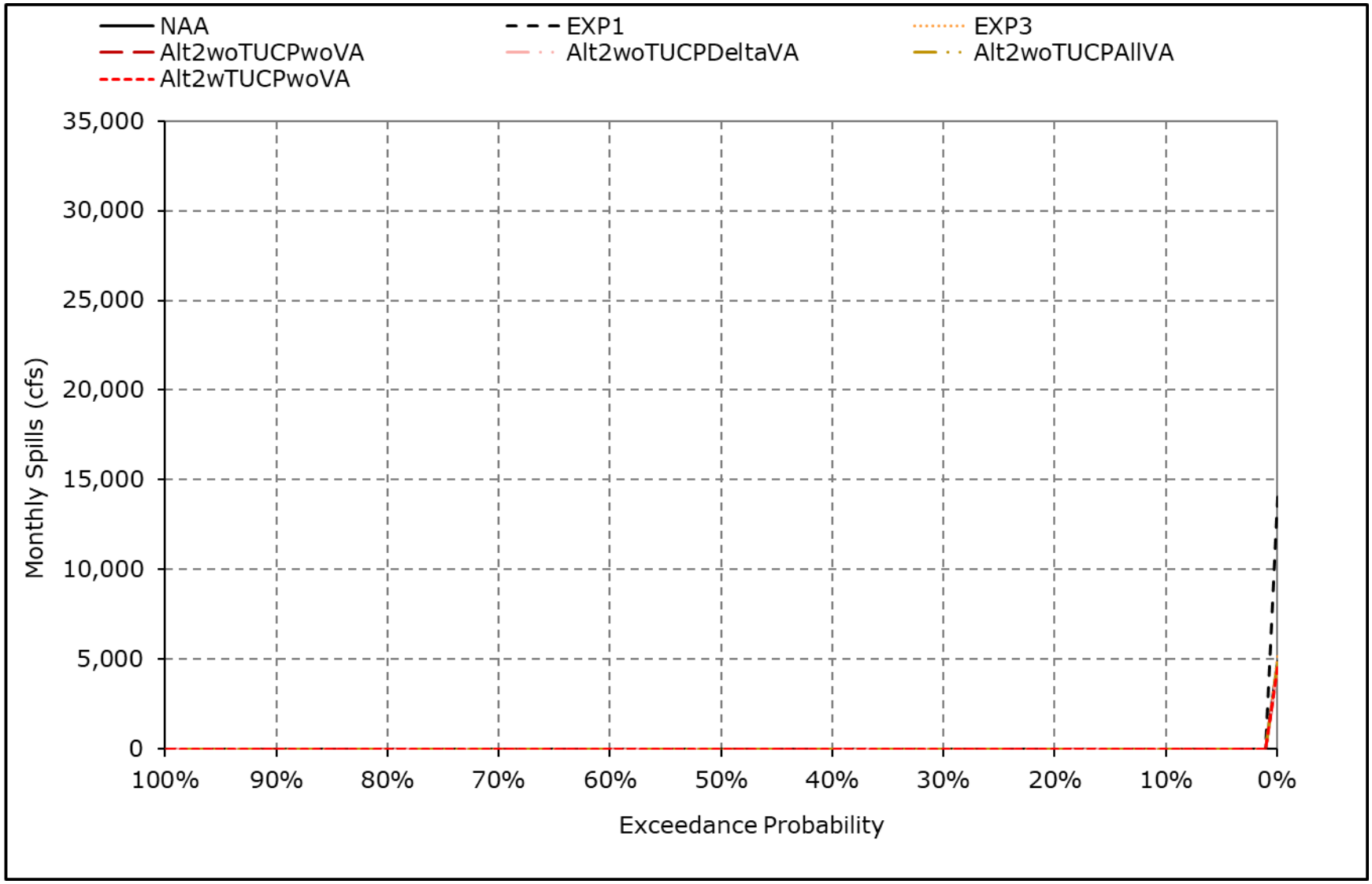
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



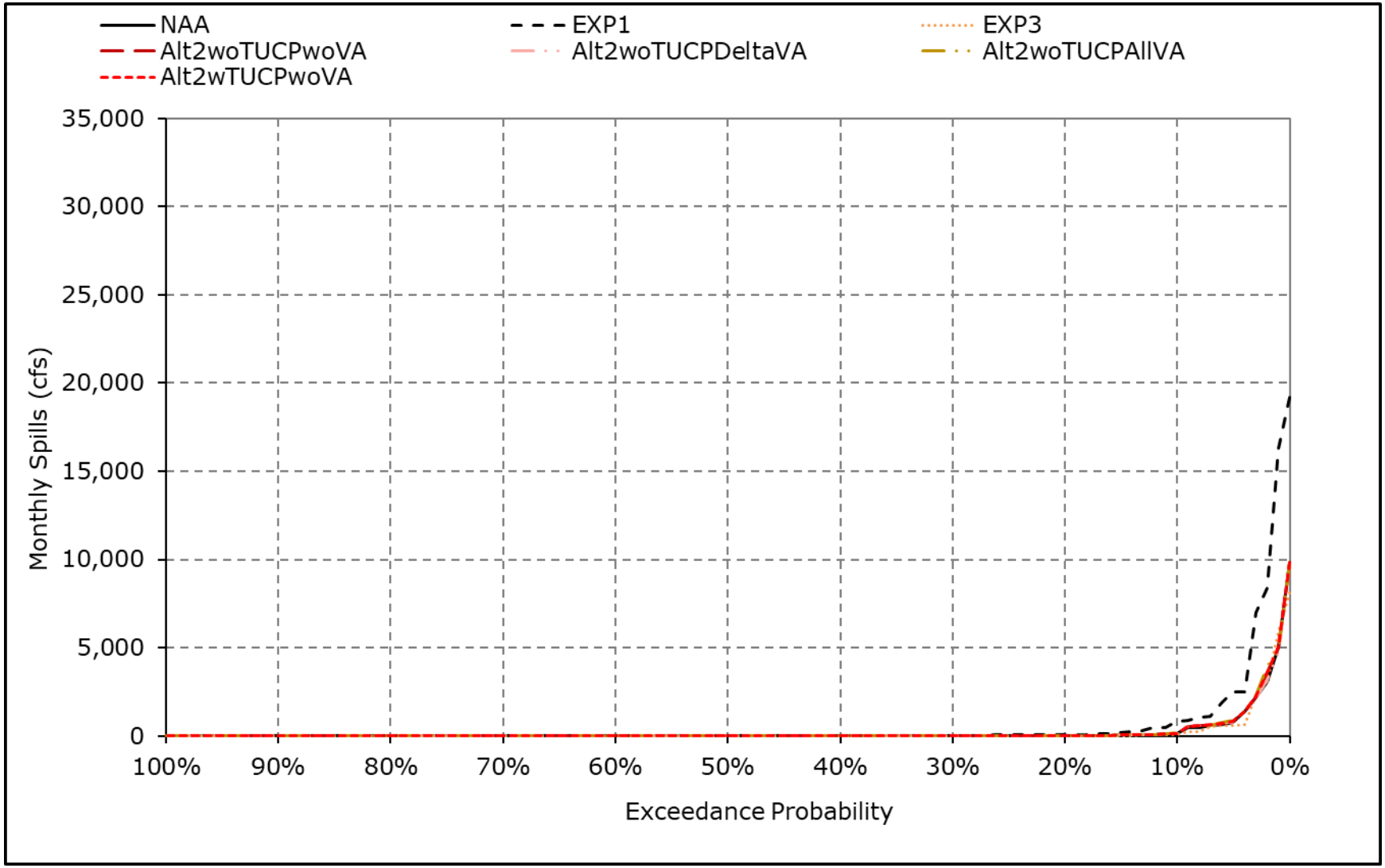
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



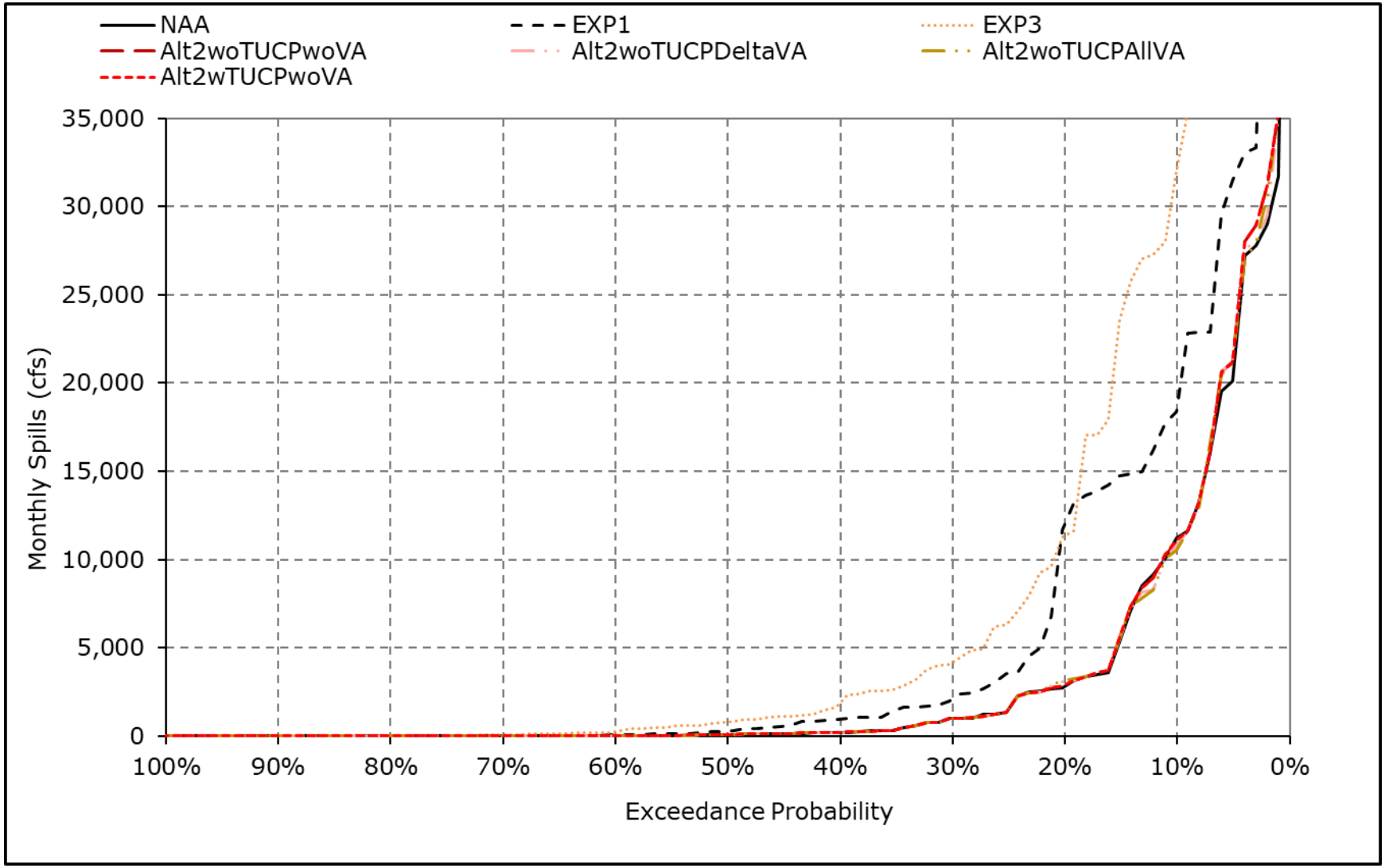
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



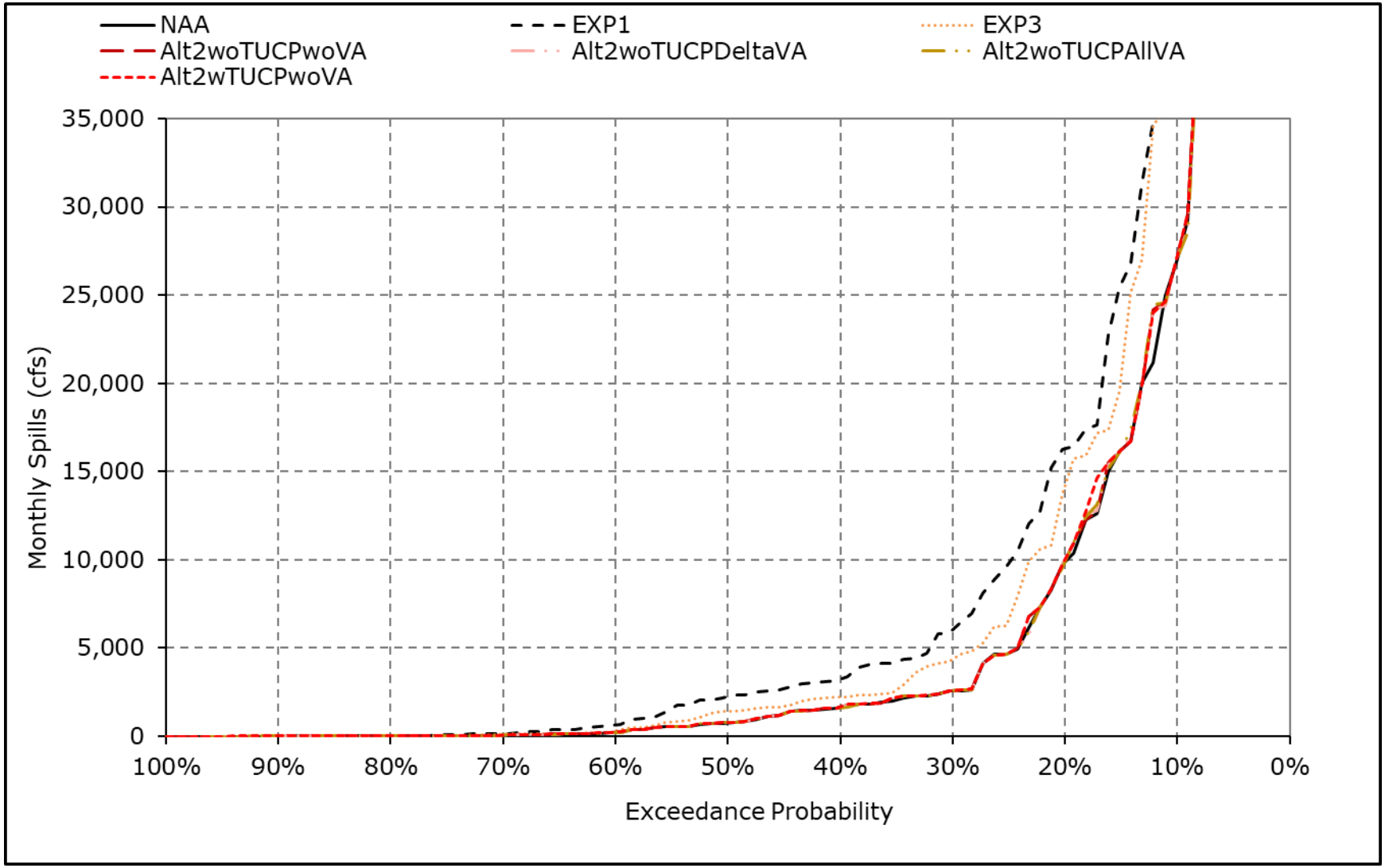
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



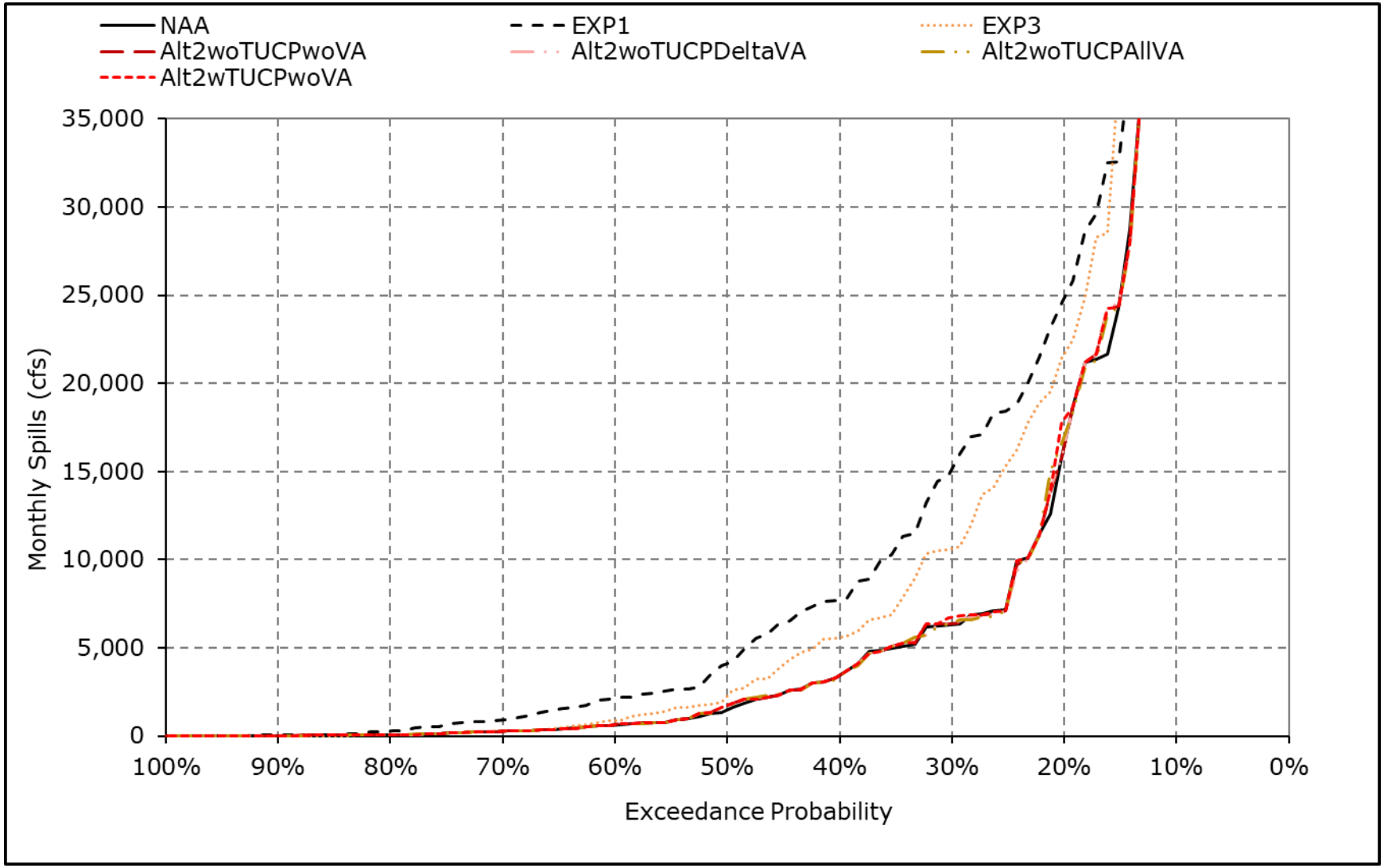
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



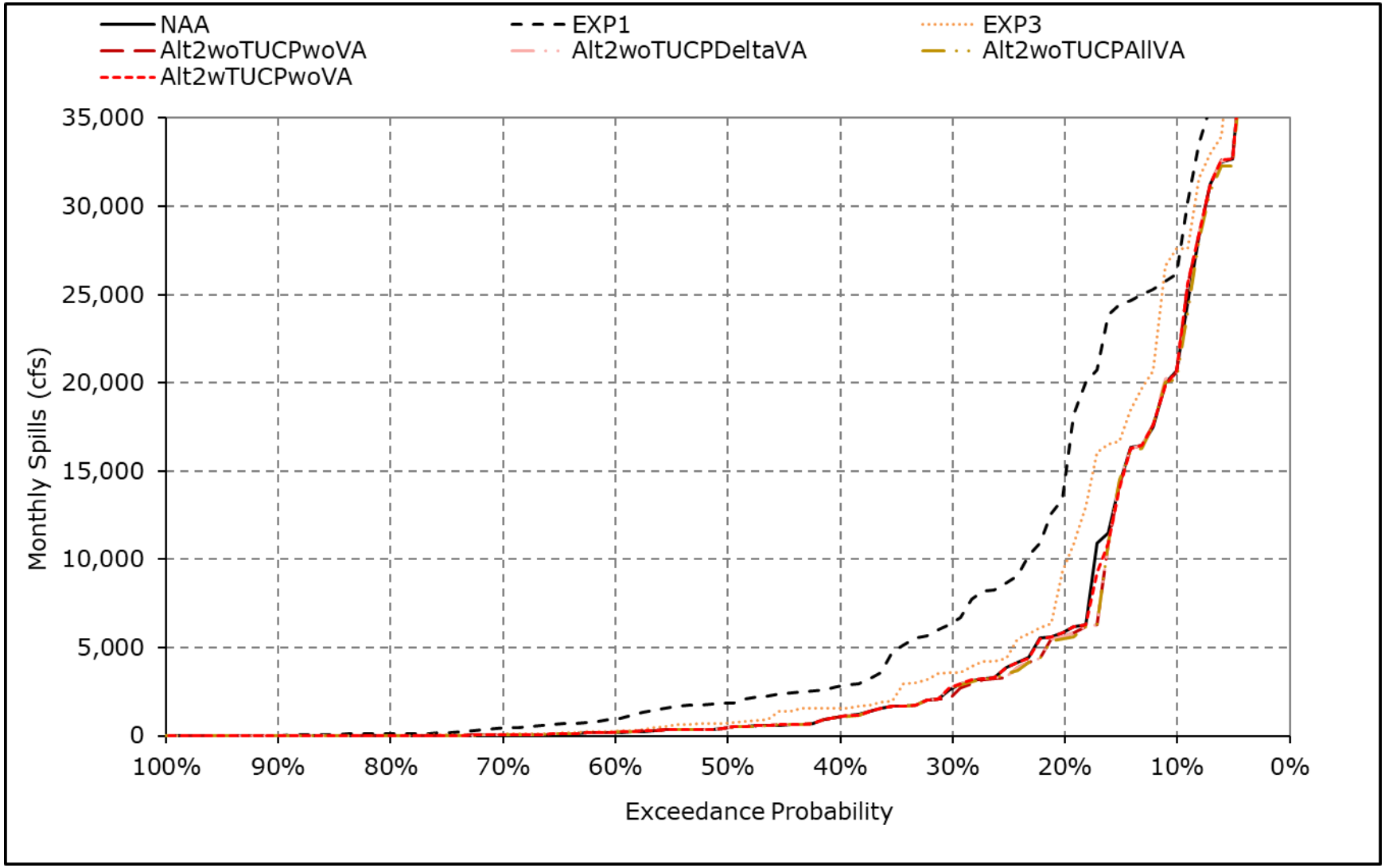
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



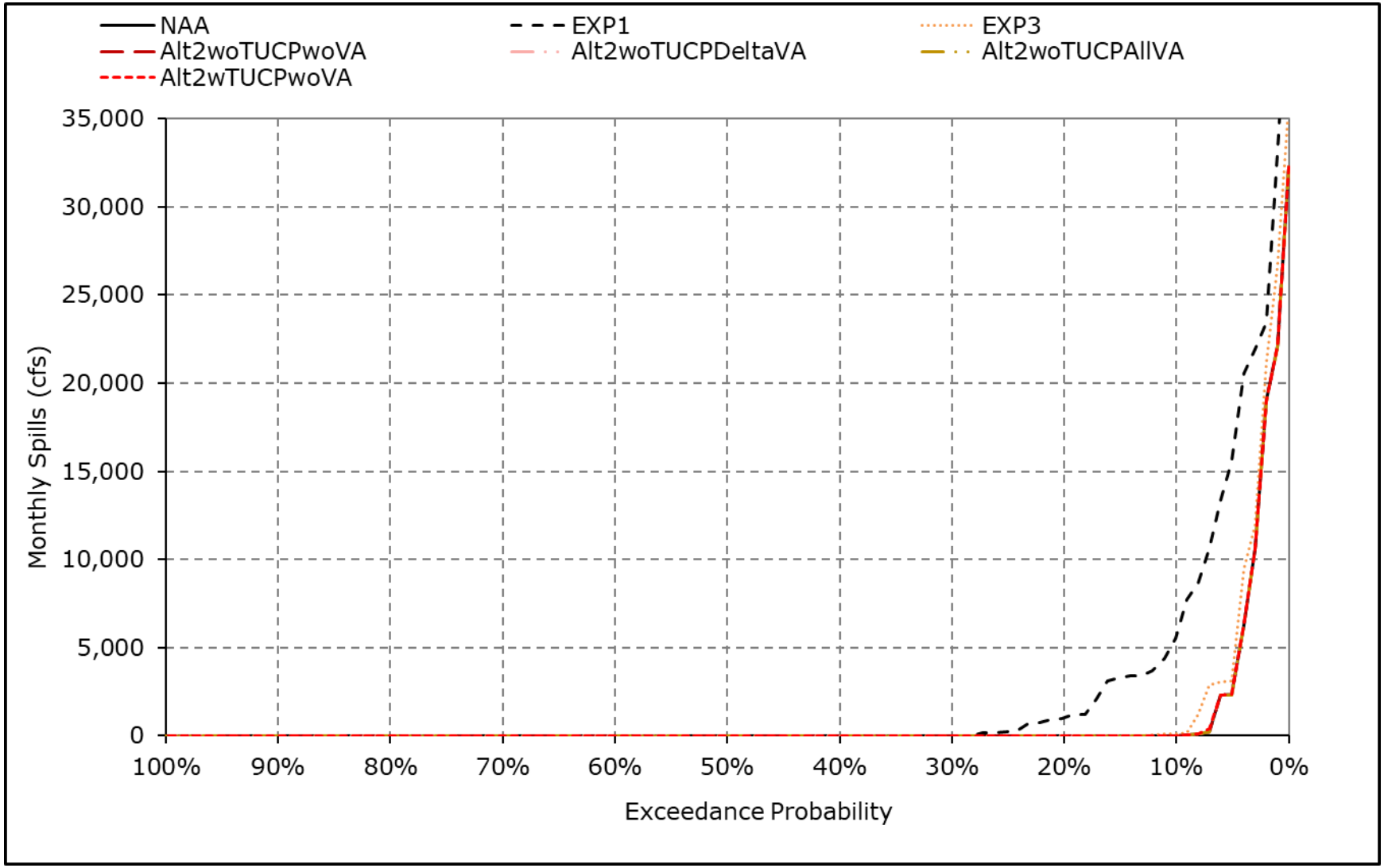
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



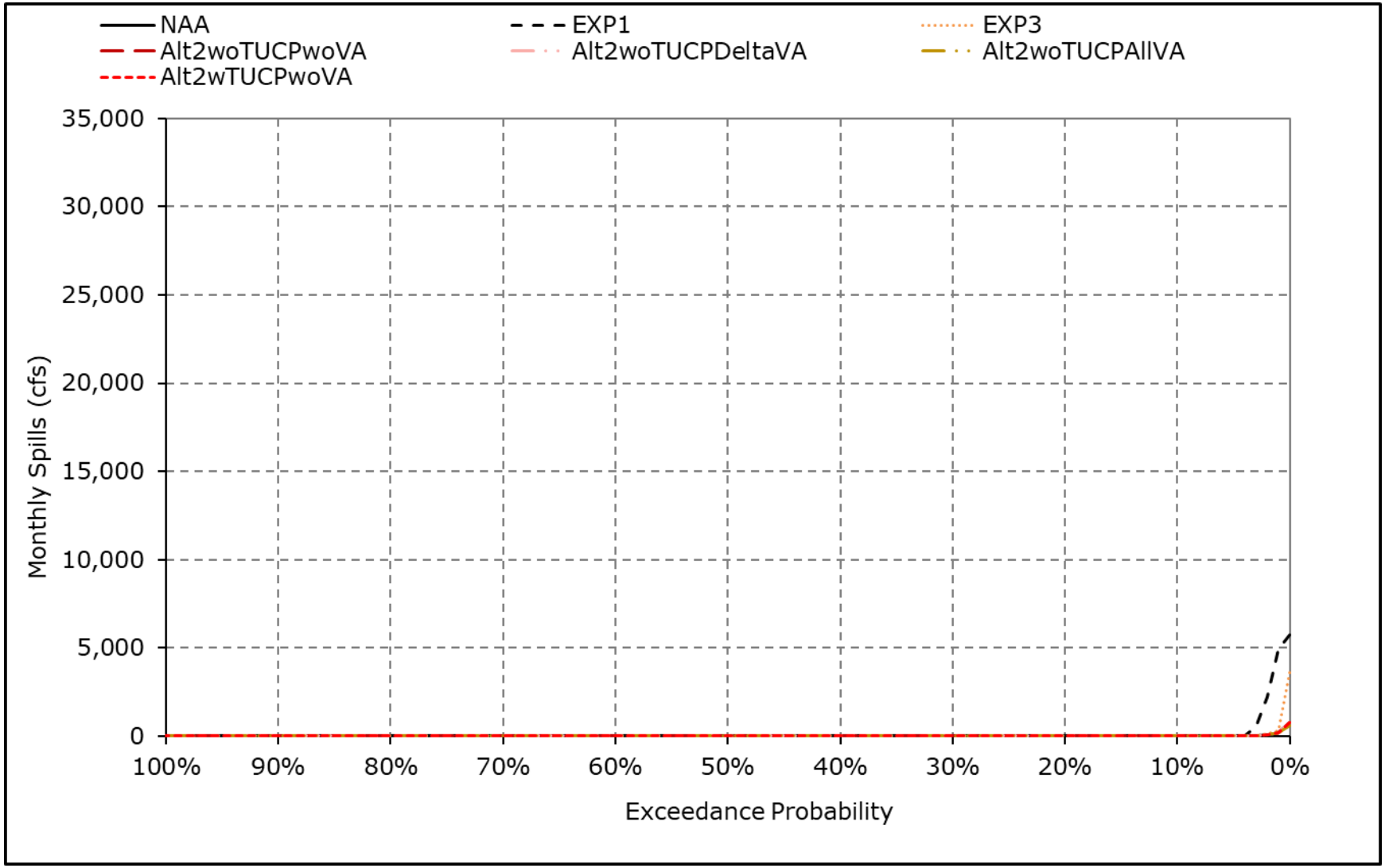
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



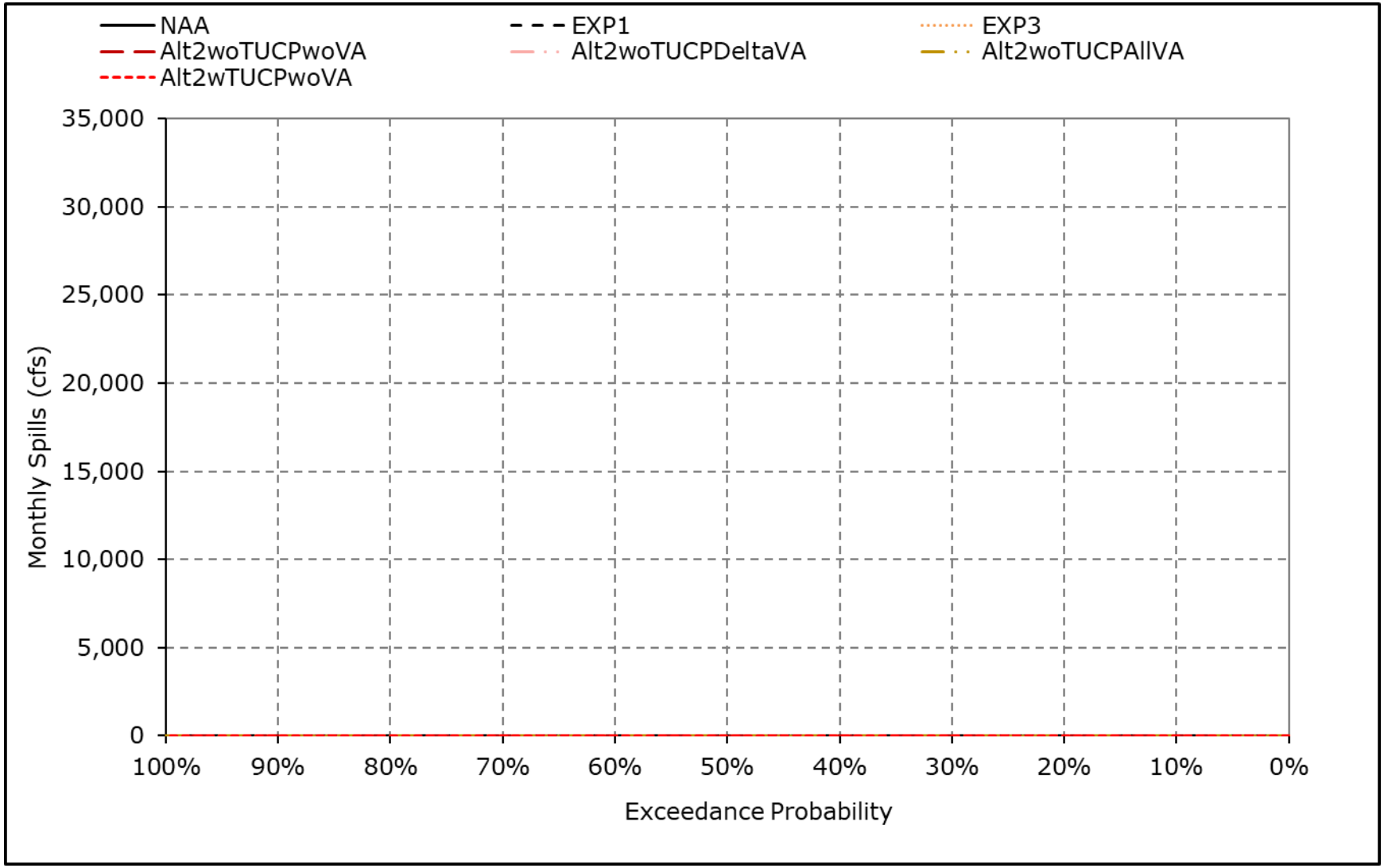
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



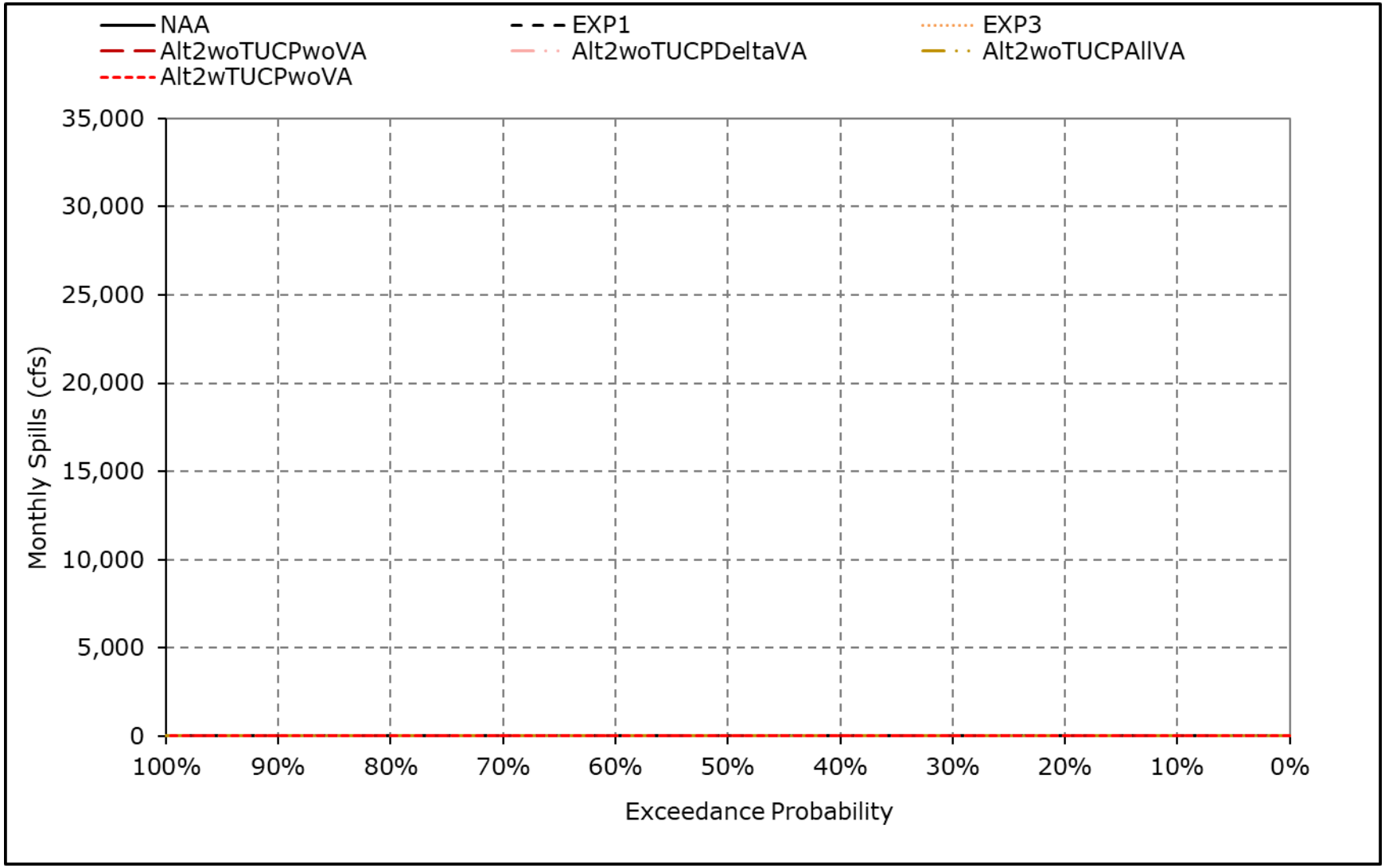
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



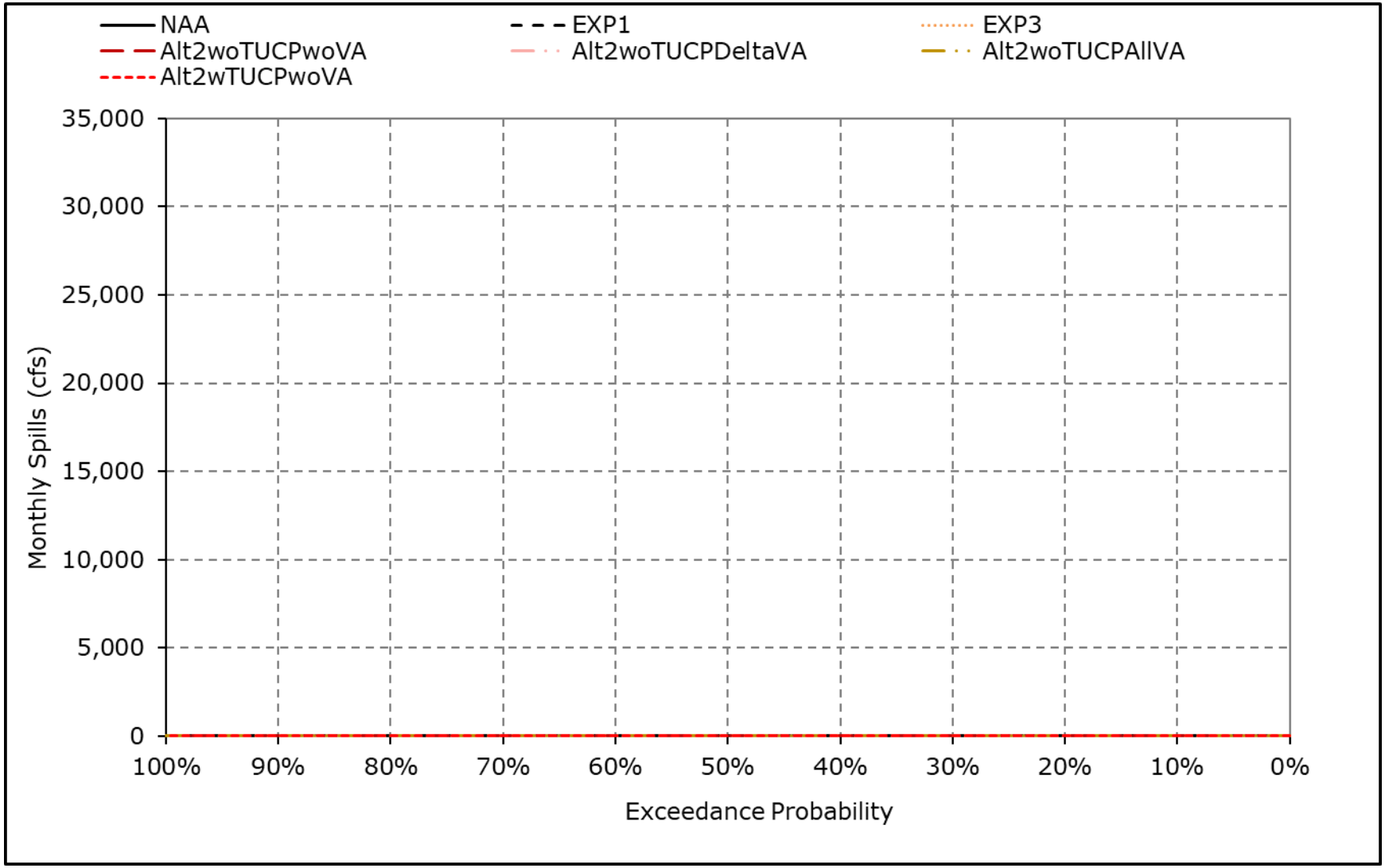
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-10-16. Fremont Weir Spills, July



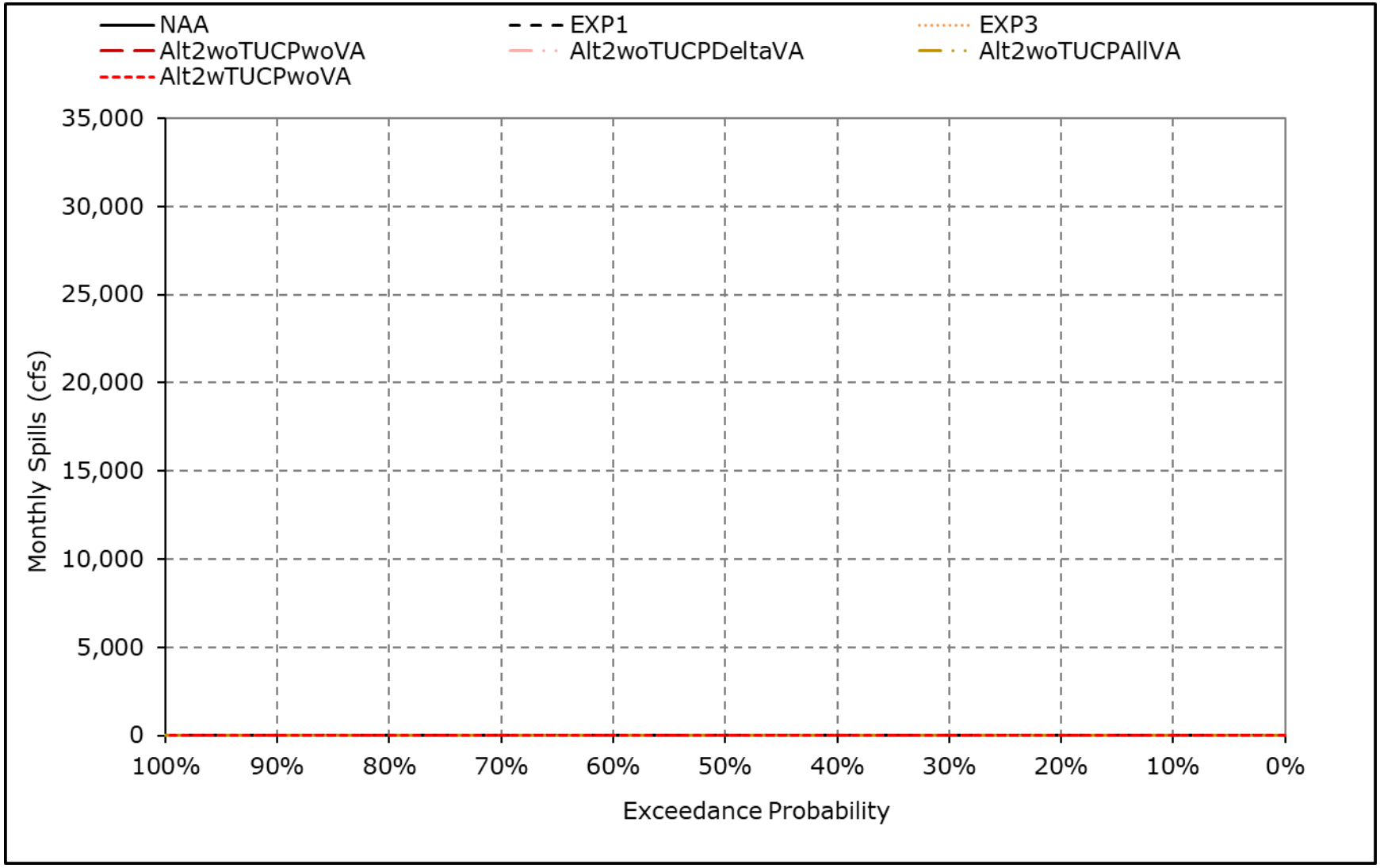
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-10-17. Fremont Weir Spills, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-10-18. Fremont Weir Spills, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-11-1a. Yolo Bypass Flow, NAA, 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

Table F.2.2-11-1b. Yolo Bypass Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	182	1,426	15,405	32,522	63,211	26,347	2,764	1,067	448	282	219	271
20% Exceedance	121	370	8,440	16,161	22,783	9,144	1,502	621	343	269	209	250
30% Exceedance	103	243	2,008	5,602	9,832	4,331	908	470	278	265	201	244
40% Exceedance	85	152	1,044	3,071	6,806	2,410	622	401	259	258	197	237
50% Exceedance	76	127	528	1,841	2,934	1,129	361	302	254	252	192	221
60% Exceedance	68	103	312	1,021	1,656	757	265	257	246	248	189	207
70% Exceedance	62	91	187	426	775	474	246	234	239	242	184	191
80% Exceedance	49	81	110	245	436	275	230	215	232	231	174	179
90% Exceedance	38	70	90	130	178	119	213	191	219	217	134	158
Full Simulation Period Average[a]	176	655	5,706	12,452	18,466	9,463	2,082	541	308	254	190	224
Wet Water Years (28%)	115	957	6,949	36,001	50,995	27,070	6,210	998	449	285	220	264
Above Normal Water Years (14%)	104	702	3,064	11,675	18,807	9,618	881	572	273	240	192	213
Below Normal Water Years (18%)	89	388	6,267	2,602	3,136	1,516	486	466	246	214	190	232
Dry Water Years (24%)	427	651	8,304	758	3,644	878	401	276	261	258	178	210
Critical Water Years (16%)	61	368	1,194	544	724	330	222	197	234	249	155	175

Table F.2.2-11-1c. Yolo Bypass Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	168	-324	135	31	-25	-9	-1	-2	4	0	0
20% Exceedance	0	-1	10	111	10	-369	-10	-4	-1	2	-2	-3
30% Exceedance	0	-1	5	0	313	-374	-1	-1	-1	3	-3	-2
40% Exceedance	0	5	-15	152	124	-5	-1	-9	1	3	-3	-1
50% Exceedance	0	5	8	57	69	5	6	2	3	1	-4	0
60% Exceedance	-1	1	0	1	-8	43	-1	-1	2	0	-4	0
70% Exceedance	-1	-1	19	2	4	9	10	-2	4	3	-5	0
80% Exceedance	-5	2	-1	8	-1	1	11	1	3	5	-12	6
90% Exceedance	-5	3	0	1	-5	-1	26	2	31	33	-40	-1
Full Simulation Period Average[a]	-4	41	127	123	108	-91	4	-1	9	9	-9	-1
Wet Water Years (28%)	-1	6	24	296	199	-28	-9	-5	-2	1	-1	-1
Above Normal Water Years (14%)	0	1	91	242	41	-616	-3	-2	-2	2	-1	-2
Below Normal Water Years (18%)	1	6	89	10	62	10	0	-1	0	4	-6	-2
Dry Water Years (24%)	-15	8	372	13	143	5	-1	-1	-1	0	-11	1
Critical Water Years (16%)	-4	240	8	7	4	0	47	7	61	48	-28	1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-2a. Yolo Bypass Flow, NAA, 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

Table F.2.2-11-2b. Yolo Bypass Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	1,432	15,541	32,466	63,152	26,470	2,770	1,107	449	282	219	272
20% Exceedance	124	370	8,495	16,154	22,839	9,165	1,507	619	345	269	209	252
30% Exceedance	103	247	2,010	5,594	9,694	4,584	904	474	279	265	201	245
40% Exceedance	87	152	1,043	3,059	6,762	2,413	623	401	259	259	197	237
50% Exceedance	76	128	529	1,838	2,938	1,125	364	304	254	252	193	226
60% Exceedance	71	103	315	1,022	1,658	747	266	257	246	249	189	210
70% Exceedance	64	92	186	426	777	467	246	235	239	243	186	193
80% Exceedance	57	80	111	238	437	275	230	212	231	231	176	183
90% Exceedance	44	71	90	129	179	120	213	190	220	218	138	160
Full Simulation Period Average[a]	194	650	5,666	12,405	18,429	9,467	2,084	543	309	255	191	226
Wet Water Years (28%)	116	956	6,938	35,806	50,934	27,079	6,218	1,001	450	286	220	266
Above Normal Water Years (14%)	105	682	3,061	11,743	18,799	9,630	881	572	273	240	192	214
Below Normal Water Years (18%)	89	392	6,206	2,605	3,085	1,516	488	470	247	220	190	238
Dry Water Years (24%)	432	621	8,201	751	3,605	878	402	279	262	258	178	211
Critical Water Years (16%)	174	406	1,193	542	717	332	222	195	235	250	158	174

Table F.2.2-11-2c. Yolo Bypass Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	174	-188	79	-29	98	-3	39	0	4	0	0
20% Exceedance	3	-1	65	104	66	-348	-6	-7	2	2	-2	-1
30% Exceedance	0	2	7	-8	174	-121	-4	3	0	3	-3	-1
40% Exceedance	2	5	-16	141	80	-2	0	-8	1	3	-3	-1
50% Exceedance	0	6	9	54	72	1	9	4	4	2	-4	4
60% Exceedance	2	1	3	2	-6	33	0	0	2	2	-3	3
70% Exceedance	0	0	18	1	6	2	9	0	4	4	-2	3
80% Exceedance	3	2	-1	1	0	1	11	-2	2	5	-10	10
90% Exceedance	1	4	0	1	-4	0	26	1	32	34	-35	1
Full Simulation Period Average[a]	14	37	87	76	70	-87	7	1	10	10	-8	1
Wet Water Years (28%)	0	5	13	100	138	-19	-1	-2	-1	1	0	1
Above Normal Water Years (14%)	1	-19	87	310	34	-604	-3	-2	-1	2	-1	-1
Below Normal Water Years (18%)	2	10	29	13	10	10	2	3	1	10	-5	4
Dry Water Years (24%)	-11	-22	269	5	105	6	0	2	1	0	-12	2
Critical Water Years (16%)	108	277	7	4	-3	1	47	5	62	49	-25	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-3a. Yolo Bypass Flow, NAA, 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

Table F.2.2-11-3b. Yolo Bypass Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	187	1,350	15,256	32,417	62,784	26,332	2,772	1,109	451	282	219	273
20% Exceedance	124	376	8,497	16,232	23,411	8,985	1,518	621	347	269	209	253
30% Exceedance	104	261	2,030	5,653	9,763	4,692	911	476	279	265	201	247
40% Exceedance	87	176	1,049	3,049	6,777	2,407	625	408	259	259	197	236
50% Exceedance	76	138	537	1,848	2,946	1,117	385	307	254	252	193	225
60% Exceedance	71	121	328	1,036	1,669	753	272	264	246	248	189	209
70% Exceedance	64	111	190	437	781	467	248	245	239	243	186	193
80% Exceedance	55	99	118	247	440	287	232	220	231	231	176	181
90% Exceedance	42	82	102	136	192	129	212	198	219	218	139	163
Full Simulation Period Average[a]	187	656	5,700	12,411	18,433	9,421	2,073	546	310	256	190	226
Wet Water Years (28%)	116	959	6,942	35,762	50,795	26,911	6,164	1,002	451	286	220	267
Above Normal Water Years (14%)	105	718	3,070	11,835	18,780	9,605	884	571	275	240	192	215
Below Normal Water Years (18%)	90	425	6,159	2,609	3,120	1,519	497	469	248	221	190	238
Dry Water Years (24%)	439	717	8,360	760	3,761	889	407	290	262	258	178	212
Critical Water Years (16%)	116	207	1,206	552	729	340	224	199	235	250	154	175

Table F.2.2-11-3c. Yolo Bypass Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	92	-473	30	-397	-40	-1	40	2	4	0	1
20% Exceedance	3	4	67	182	638	-528	5	-4	3	2	-2	-1
30% Exceedance	0	17	27	51	243	-13	3	5	0	3	-3	1
40% Exceedance	2	28	-10	131	94	-8	2	-2	1	3	-3	-1
50% Exceedance	0	16	17	64	80	-7	29	7	3	2	-4	3
60% Exceedance	2	19	16	16	5	39	6	7	2	1	-3	2
70% Exceedance	0	19	22	12	9	2	12	10	4	4	-2	2
80% Exceedance	0	20	7	10	3	13	13	5	2	5	-10	8
90% Exceedance	-1	14	12	8	9	9	25	9	31	34	-34	4
Full Simulation Period Average[a]	7	42	122	81	74	-132	-4	4	10	11	-8	2
Wet Water Years (28%)	0	8	17	56	0	-186	-54	-2	0	2	0	2
Above Normal Water Years (14%)	1	17	96	402	15	-629	0	-2	1	2	-1	-1
Below Normal Water Years (18%)	2	42	-19	17	46	13	11	2	2	11	-6	4
Dry Water Years (24%)	-3	74	428	15	260	17	5	13	1	0	-11	3
Critical Water Years (16%)	51	78	21	14	9	10	49	10	62	49	-29	1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-4a. Yolo Bypass Flow, NAA, 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

Table F.2.2-11-4b. Yolo Bypass Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	182	1,292	15,629	32,547	63,227	26,362	2,766	1,068	448	280	219	271
20% Exceedance	121	330	8,431	16,167	24,441	9,509	1,506	624	342	268	210	250
30% Exceedance	103	240	2,008	5,608	9,838	4,710	908	470	278	264	202	243
40% Exceedance	85	147	1,044	3,100	6,792	2,410	622	402	259	256	197	235
50% Exceedance	75	122	520	1,842	2,934	1,131	355	300	250	250	194	221
60% Exceedance	68	101	315	1,029	1,657	749	265	257	243	246	189	209
70% Exceedance	64	90	169	426	776	474	240	234	233	239	187	191
80% Exceedance	49	75	105	242	436	274	223	215	227	228	177	184
90% Exceedance	40	68	88	127	178	119	188	190	197	211	134	161
Full Simulation Period Average[a]	176	617	5,708	12,511	18,517	9,543	2,079	541	299	247	192	225
Wet Water Years (28%)	115	958	6,949	36,127	51,052	27,093	6,215	999	449	286	220	264
Above Normal Water Years (14%)	104	702	3,067	11,836	18,856	10,146	882	572	273	240	192	214
Below Normal Water Years (18%)	88	386	6,281	2,606	3,176	1,518	496	467	246	214	190	236
Dry Water Years (24%)	427	652	8,309	759	3,733	877	402	276	261	258	173	208
Critical Water Years (16%)	64	116	1,183	543	723	328	186	194	173	208	174	177

Table F.2.2-11-4c. Yolo Bypass Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	33	-100	160	46	-10	-8	-1	-2	3	0	0
20% Exceedance	0	-41	1	117	1,668	-4	-7	-2	-2	1	-1	-3
30% Exceedance	0	-5	5	6	319	5	-1	-1	-1	2	-2	-3
40% Exceedance	0	0	-15	182	110	-4	-1	-8	0	0	-2	-2
50% Exceedance	-1	-1	0	58	69	7	-1	0	-1	-1	-3	-1
60% Exceedance	-1	-1	3	9	-7	36	-1	-1	-1	-1	-3	2
70% Exceedance	0	-2	1	2	4	9	4	-1	-2	0	-2	1
80% Exceedance	-5	-4	-6	6	-1	0	4	1	-1	1	-9	10
90% Exceedance	-3	1	-2	-1	-5	-1	1	0	9	27	-40	2
Full Simulation Period Average[a]	-4	3	129	181	159	-11	2	-1	-1	2	-7	0
Wet Water Years (28%)	-1	7	24	421	256	-5	-4	-4	-2	1	0	-1
Above Normal Water Years (14%)	0	1	93	403	90	-87	-2	-1	-1	2	-1	-1
Below Normal Water Years (18%)	0	4	104	14	102	12	10	0	0	4	-6	2
Dry Water Years (24%)	-15	9	377	13	232	5	-1	-1	-1	0	-17	0
Critical Water Years (16%)	-2	-12	-3	5	3	-2	10	4	0	7	-8	3

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-5a. Yolo Bypass Flow, NAA, 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

Table F.2.2-11-5b. Yolo Bypass Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	129	741	35,068	44,973	64,138	31,680	2,192	960	370	269	199	246
20% Exceedance	103	304	13,416	19,738	27,910	11,676	979	536	290	262	193	223
30% Exceedance	82	219	5,632	6,367	14,402	5,335	761	417	254	255	187	217
40% Exceedance	66	131	2,593	3,527	7,570	2,874	551	353	238	244	179	210
50% Exceedance	59	105	1,276	2,509	3,431	1,422	330	272	226	233	169	204
60% Exceedance	51	81	616	1,006	2,069	926	243	228	210	111	108	191
70% Exceedance	41	72	400	418	725	476	218	214	150	98	103	182
80% Exceedance	37	64	185	224	422	262	199	205	105	82	87	174
90% Exceedance	35	58	96	124	156	122	166	178	86	72	77	161
Full Simulation Period Average[a]	162	553	10,463	14,201	20,328	10,296	2,047	466	233	184	144	206
Wet Water Years (28%)	87	787	12,904	40,138	53,275	27,055	6,176	792	352	264	196	231
Above Normal Water Years (14%)	88	676	7,516	14,817	22,488	13,238	676	423	238	253	177	213
Below Normal Water Years (18%)	74	269	12,568	3,321	4,679	2,104	581	522	223	181	143	216
Dry Water Years (24%)	432	695	13,768	832	5,443	1,830	389	260	194	120	102	195
Critical Water Years (16%)	48	110	1,037	565	717	311	156	182	88	82	89	163

Table F.2.2-11-5c. Yolo Bypass Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-55	-517	19,339	12,586	957	5,308	-581	-109	-80	-8	-20	-25
20% Exceedance	-18	-67	4,986	3,688	5,137	2,163	-534	-89	-54	-5	-18	-30
30% Exceedance	-22	-26	3,629	765	4,883	630	-148	-54	-25	-6	-17	-30
40% Exceedance	-19	-16	1,535	609	887	460	-72	-56	-21	-11	-20	-28
50% Exceedance	-17	-17	756	725	565	297	-25	-29	-25	-17	-27	-18
60% Exceedance	-18	-21	304	-14	405	213	-23	-30	-34	-136	-85	-16
70% Exceedance	-22	-20	232	-6	-46	11	-18	-22	-85	-141	-86	-9
80% Exceedance	-17	-14	74	-13	-15	-12	-19	-10	-124	-144	-98	0
90% Exceedance	-8	-10	5	-4	-27	2	-21	-11	-102	-112	-97	2
Full Simulation Period Average[a]	-18	-60	4,884	1,871	1,970	743	-30	-76	-67	-61	-54	-18
Wet Water Years (28%)	-29	-164	5,979	4,432	2,479	-43	-43	-211	-99	-21	-24	-34
Above Normal Water Years (14%)	-16	-25	4,542	3,384	3,723	3,004	-208	-151	-36	15	-16	-2
Below Normal Water Years (18%)	-14	-113	6,390	729	1,604	598	95	55	-23	-29	-52	-17
Dry Water Years (24%)	-11	52	5,837	86	1,942	958	-13	-17	-68	-138	-87	-13
Critical Water Years (16%)	-17	-18	-149	27	-3	-19	-19	-8	-85	-120	-94	-12

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-6a. Yolo Bypass Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	1,427	23,736	48,323	62,211	33,592	6,992	866	509	758	525	250
20% Exceedance	98	340	15,658	22,107	29,680	18,923	2,334	555	367	394	210	230
30% Exceedance	83	247	3,173	8,943	19,136	8,369	935	418	296	286	202	217
40% Exceedance	65	160	1,724	4,859	9,824	4,411	644	387	244	265	197	208
50% Exceedance	60	109	841	3,125	5,462	2,294	383	271	230	259	191	205
60% Exceedance	54	83	339	1,355	3,114	1,711	255	228	220	251	188	188
70% Exceedance	43	71	169	584	1,427	785	214	217	208	242	183	178
80% Exceedance	38	64	97	255	639	298	200	205	159	231	178	163
90% Exceedance	33	58	75	143	187	202	170	179	97	219	122	147
Full Simulation Period Average[a]	257	951	7,708	15,039	20,885	11,908	3,250	571	323	452	292	203
Wet Water Years (28%)	85	888	7,732	40,329	51,779	29,119	9,756	1,102	349	276	193	228
Above Normal Water Years (14%)	90	1,588	4,686	18,156	23,266	15,790	1,247	445	235	296	216	216
Below Normal Water Years (18%)	73	432	9,674	4,471	5,784	4,321	1,094	602	211	327	182	211
Dry Water Years (24%)	828	1,533	11,569	1,147	7,859	2,817	508	264	221	355	276	185
Critical Water Years (16%)	53	124	2,147	782	1,264	562	154	181	637	1,183	677	167

Table F.2.2-11-6b. Yolo Bypass Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	182	1,426	15,405	32,522	63,211	26,347	2,764	1,067	448	282	219	271
20% Exceedance	121	370	8,440	16,161	22,783	9,144	1,502	621	343	269	209	250
30% Exceedance	103	243	2,008	5,602	9,832	4,331	908	470	278	265	201	244
40% Exceedance	85	152	1,044	3,071	6,806	2,410	622	401	259	258	197	237
50% Exceedance	76	127	528	1,841	2,934	1,129	361	302	254	252	192	221
60% Exceedance	68	103	312	1,021	1,656	757	265	257	246	248	189	207
70% Exceedance	62	91	187	426	775	474	246	234	239	242	184	191
80% Exceedance	49	81	110	245	436	275	230	215	232	231	174	179
90% Exceedance	38	70	90	130	178	119	213	191	219	217	134	158
Full Simulation Period Average[a]	176	655	5,706	12,452	18,466	9,463	2,082	541	308	254	190	224
Wet Water Years (28%)	115	957	6,949	36,001	50,995	27,070	6,210	998	449	285	220	264
Above Normal Water Years (14%)	104	702	3,064	11,675	18,807	9,618	881	572	273	240	192	213
Below Normal Water Years (18%)	89	388	6,267	2,602	3,136	1,516	486	466	246	214	190	232
Dry Water Years (24%)	427	651	8,304	758	3,644	878	401	276	261	258	178	210
Critical Water Years (16%)	61	368	1,194	544	724	330	222	197	234	249	155	175

Table F.2.2-11-6c. Yolo Bypass Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	49	-1	-8,331	-15,801	1,000	-7,245	-4,228	201	-61	-476	-307	21
20% Exceedance	23	30	-7,218	-5,946	-6,897	-9,779	-831	67	-24	-125	-1	20
30% Exceedance	19	-4	-1,165	-3,341	-9,304	-4,039	-27	52	-19	-21	-1	27
40% Exceedance	20	-8	-681	-1,788	-3,018	-2,002	-22	14	15	-7	0	29
50% Exceedance	16	18	-313	-1,284	-2,528	-1,165	-22	31	24	-7	1	16
60% Exceedance	14	19	-27	-333	-1,458	-955	11	28	26	-4	1	19
70% Exceedance	19	20	18	-158	-652	-311	32	17	30	0	1	13
80% Exceedance	11	16	12	-10	-203	-22	30	11	73	0	-4	16
90% Exceedance	5	12	15	-13	-9	-83	43	13	122	-2	12	11
Full Simulation Period Average[a]	-81	-296	-2,002	-2,587	-2,419	-2,445	-1,168	-30	-15	-198	-102	21
Wet Water Years (28%)	30	69	-782	-4,328	-785	-2,049	-3,546	-104	100	10	27	35
Above Normal Water Years (14%)	15	-886	-1,622	-6,481	-4,460	-6,172	-366	126	38	-56	-25	-3
Below Normal Water Years (18%)	15	-44	-3,407	-1,869	-2,648	-2,805	-608	-136	35	-113	8	21
Dry Water Years (24%)	-400	-882	-3,265	-389	-4,215	-1,939	-107	12	40	-97	-98	25
Critical Water Years (16%)	9	245	-954	-238	-540	-232	68	16	-402	-934	-522	8

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-7a. Yolo Bypass Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	1,427	23,736	48,323	62,211	33,592	6,992	866	509	758	525	250
20% Exceedance	98	340	15,658	22,107	29,680	18,923	2,334	555	367	394	210	230
30% Exceedance	83	247	3,173	8,943	19,136	8,369	935	418	296	286	202	217
40% Exceedance	65	160	1,724	4,859	9,824	4,411	644	387	244	265	197	208
50% Exceedance	60	109	841	3,125	5,462	2,294	383	271	230	259	191	205
60% Exceedance	54	83	339	1,355	3,114	1,711	255	228	220	251	188	188
70% Exceedance	43	71	169	584	1,427	785	214	217	208	242	183	178
80% Exceedance	38	64	97	255	639	298	200	205	159	231	178	163
90% Exceedance	33	58	75	143	187	202	170	179	97	219	122	147
Full Simulation Period Average[a]	257	951	7,708	15,039	20,885	11,908	3,250	571	323	452	292	203
Wet Water Years (28%)	85	888	7,732	40,329	51,779	29,119	9,756	1,102	349	276	193	228
Above Normal Water Years (14%)	90	1,588	4,686	18,156	23,266	15,790	1,247	445	235	296	216	216
Below Normal Water Years (18%)	73	432	9,674	4,471	5,784	4,321	1,094	602	211	327	182	211
Dry Water Years (24%)	828	1,533	11,569	1,147	7,859	2,817	508	264	221	355	276	185
Critical Water Years (16%)	53	124	2,147	782	1,264	562	154	181	637	1,183	677	167

Table F.2.2-11-7b. Yolo Bypass Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	1,432	15,541	32,466	63,152	26,470	2,770	1,107	449	282	219	272
20% Exceedance	124	370	8,495	16,154	22,839	9,165	1,507	619	345	269	209	252
30% Exceedance	103	247	2,010	5,594	9,694	4,584	904	474	279	265	201	245
40% Exceedance	87	152	1,043	3,059	6,762	2,413	623	401	259	259	197	237
50% Exceedance	76	128	529	1,838	2,938	1,125	364	304	254	252	193	226
60% Exceedance	71	103	315	1,022	1,658	747	266	257	246	249	189	210
70% Exceedance	64	92	186	426	777	467	246	235	239	243	186	193
80% Exceedance	57	80	111	238	437	275	230	212	231	231	176	183
90% Exceedance	44	71	90	129	179	120	213	190	220	218	138	160
Full Simulation Period Average[a]	194	650	5,666	12,405	18,429	9,467	2,084	543	309	255	191	226
Wet Water Years (28%)	116	956	6,938	35,806	50,934	27,079	6,218	1,001	450	286	220	266
Above Normal Water Years (14%)	105	682	3,061	11,743	18,799	9,630	881	572	273	240	192	214
Below Normal Water Years (18%)	89	392	6,206	2,605	3,085	1,516	488	470	247	220	190	238
Dry Water Years (24%)	432	621	8,201	751	3,605	878	402	279	262	258	178	211
Critical Water Years (16%)	174	406	1,193	542	717	332	222	195	235	250	158	174

Table F.2.2-11-7c. Yolo Bypass Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53	5	-8,195	-15,857	940	-7,122	-4,222	241	-60	-476	-307	22
20% Exceedance	27	30	-7,163	-5,953	-6,841	-9,758	-827	64	-22	-125	-1	22
30% Exceedance	20	-1	-1,163	-3,349	-9,443	-3,785	-30	56	-18	-21	-1	29
40% Exceedance	22	-8	-682	-1,799	-3,062	-1,998	-21	14	15	-6	0	29
50% Exceedance	16	19	-311	-1,287	-2,524	-1,169	-19	33	24	-6	2	20
60% Exceedance	17	19	-24	-333	-1,456	-965	11	29	26	-2	1	22
70% Exceedance	20	21	18	-159	-650	-318	31	18	30	1	4	15
80% Exceedance	19	16	13	-17	-203	-22	30	8	72	0	-2	20
90% Exceedance	11	13	15	-14	-8	-82	43	12	123	-1	17	12
Full Simulation Period Average[a]	-63	-301	-2,042	-2,634	-2,457	-2,441	-1,166	-28	-14	-197	-101	22
Wet Water Years (28%)	30	68	-794	-4,523	-846	-2,040	-3,538	-101	101	10	27	38
Above Normal Water Years (14%)	16	-906	-1,625	-6,414	-4,467	-6,160	-366	126	39	-55	-25	-2
Below Normal Water Years (18%)	16	-40	-3,468	-1,866	-2,700	-2,805	-606	-132	36	-108	8	27
Dry Water Years (24%)	-396	-912	-3,368	-396	-4,254	-1,939	-106	15	41	-97	-99	26
Critical Water Years (16%)	121	282	-954	-241	-547	-230	68	15	-402	-933	-519	8

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-8a. Yolo Bypass Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	1,427	23,736	48,323	62,211	33,592	6,992	866	509	758	525	250
20% Exceedance	98	340	15,658	22,107	29,680	18,923	2,334	555	367	394	210	230
30% Exceedance	83	247	3,173	8,943	19,136	8,369	935	418	296	286	202	217
40% Exceedance	65	160	1,724	4,859	9,824	4,411	644	387	244	265	197	208
50% Exceedance	60	109	841	3,125	5,462	2,294	383	271	230	259	191	205
60% Exceedance	54	83	339	1,355	3,114	1,711	255	228	220	251	188	188
70% Exceedance	43	71	169	584	1,427	785	214	217	208	242	183	178
80% Exceedance	38	64	97	255	639	298	200	205	159	231	178	163
90% Exceedance	33	58	75	143	187	202	170	179	97	219	122	147
Full Simulation Period Average[a]	257	951	7,708	15,039	20,885	11,908	3,250	571	323	452	292	203
Wet Water Years (28%)	85	888	7,732	40,329	51,779	29,119	9,756	1,102	349	276	193	228
Above Normal Water Years (14%)	90	1,588	4,686	18,156	23,266	15,790	1,247	445	235	296	216	216
Below Normal Water Years (18%)	73	432	9,674	4,471	5,784	4,321	1,094	602	211	327	182	211
Dry Water Years (24%)	828	1,533	11,569	1,147	7,859	2,817	508	264	221	355	276	185
Critical Water Years (16%)	53	124	2,147	782	1,264	562	154	181	637	1,183	677	167

Table F.2.2-11-8b. Yolo Bypass Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	187	1,350	15,256	32,417	62,784	26,332	2,772	1,109	451	282	219	273
20% Exceedance	124	376	8,497	16,232	23,411	8,985	1,518	621	347	269	209	253
30% Exceedance	104	261	2,030	5,653	9,763	4,692	911	476	279	265	201	247
40% Exceedance	87	176	1,049	3,049	6,777	2,407	625	408	259	259	197	236
50% Exceedance	76	138	537	1,848	2,946	1,117	385	307	254	252	193	225
60% Exceedance	71	121	328	1,036	1,669	753	272	264	246	248	189	209
70% Exceedance	64	111	190	437	781	467	248	245	239	243	186	193
80% Exceedance	55	99	118	247	440	287	232	220	231	231	176	181
90% Exceedance	42	82	102	136	192	129	212	198	219	218	139	163
Full Simulation Period Average[a]	187	656	5,700	12,411	18,433	9,421	2,073	546	310	256	190	226
Wet Water Years (28%)	116	959	6,942	35,762	50,795	26,911	6,164	1,002	451	286	220	267
Above Normal Water Years (14%)	105	718	3,070	11,835	18,780	9,605	884	571	275	240	192	215
Below Normal Water Years (18%)	90	425	6,159	2,609	3,120	1,519	497	469	248	221	190	238
Dry Water Years (24%)	439	717	8,360	760	3,761	889	407	290	262	258	178	212
Critical Water Years (16%)	116	207	1,206	552	729	340	224	199	235	250	154	175

Table F.2.2-11-8c. Yolo Bypass Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54	-77	-8,480	-15,906	572	-7,260	-4,220	243	-58	-476	-307	23
20% Exceedance	26	36	-7,160	-5,875	-6,269	-9,937	-816	67	-20	-125	-1	23
30% Exceedance	20	14	-1,143	-3,290	-9,374	-3,677	-23	58	-17	-21	-1	31
40% Exceedance	22	15	-675	-1,809	-3,047	-2,004	-19	21	15	-6	0	28
50% Exceedance	16	29	-304	-1,276	-2,516	-1,177	1	36	24	-6	2	20
60% Exceedance	17	38	-12	-318	-1,445	-958	17	36	26	-3	1	21
70% Exceedance	20	40	21	-147	-647	-318	34	28	30	1	4	15
80% Exceedance	17	34	21	-8	-200	-11	32	15	72	0	-2	18
90% Exceedance	10	24	27	-7	5	-73	42	20	121	-1	18	16
Full Simulation Period Average[a]	-70	-295	-2,008	-2,629	-2,452	-2,486	-1,177	-25	-14	-196	-102	23
Wet Water Years (28%)	31	72	-790	-4,567	-984	-2,207	-3,591	-100	102	11	27	39
Above Normal Water Years (14%)	16	-871	-1,616	-6,321	-4,486	-6,185	-363	125	41	-55	-25	-1
Below Normal Water Years (18%)	17	-7	-3,515	-1,862	-2,665	-2,802	-597	-133	37	-106	8	27
Dry Water Years (24%)	-388	-816	-3,209	-387	-4,098	-1,928	-101	26	41	-97	-98	27
Critical Water Years (16%)	63	83	-941	-230	-535	-221	70	19	-402	-933	-523	8

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-9a. Yolo Bypass Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	1,427	23,736	48,323	62,211	33,592	6,992	866	509	758	525	250
20% Exceedance	98	340	15,658	22,107	29,680	18,923	2,334	555	367	394	210	230
30% Exceedance	83	247	3,173	8,943	19,136	8,369	935	418	296	286	202	217
40% Exceedance	65	160	1,724	4,859	9,824	4,411	644	387	244	265	197	208
50% Exceedance	60	109	841	3,125	5,462	2,294	383	271	230	259	191	205
60% Exceedance	54	83	339	1,355	3,114	1,711	255	228	220	251	188	188
70% Exceedance	43	71	169	584	1,427	785	214	217	208	242	183	178
80% Exceedance	38	64	97	255	639	298	200	205	159	231	178	163
90% Exceedance	33	58	75	143	187	202	170	179	97	219	122	147
Full Simulation Period Average[a]	257	951	7,708	15,039	20,885	11,908	3,250	571	323	452	292	203
Wet Water Years (28%)	85	888	7,732	40,329	51,779	29,119	9,756	1,102	349	276	193	228
Above Normal Water Years (14%)	90	1,588	4,686	18,156	23,266	15,790	1,247	445	235	296	216	216
Below Normal Water Years (18%)	73	432	9,674	4,471	5,784	4,321	1,094	602	211	327	182	211
Dry Water Years (24%)	828	1,533	11,569	1,147	7,859	2,817	508	264	221	355	276	185
Critical Water Years (16%)	53	124	2,147	782	1,264	562	154	181	637	1,183	677	167

Table F.2.2-11-9b. Yolo Bypass Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	182	1,292	15,629	32,547	63,227	26,362	2,766	1,068	448	280	219	271
20% Exceedance	121	330	8,431	16,167	24,441	9,509	1,506	624	342	268	210	250
30% Exceedance	103	240	2,008	5,608	9,838	4,710	908	470	278	264	202	243
40% Exceedance	85	147	1,044	3,100	6,792	2,410	622	402	259	256	197	235
50% Exceedance	75	122	520	1,842	2,934	1,131	355	300	250	250	194	221
60% Exceedance	68	101	315	1,029	1,657	749	265	257	243	246	189	209
70% Exceedance	64	90	169	426	776	474	240	234	233	239	187	191
80% Exceedance	49	75	105	242	436	274	223	215	227	228	177	184
90% Exceedance	40	68	88	127	178	119	188	190	197	211	134	161
Full Simulation Period Average[a]	176	617	5,708	12,511	18,517	9,543	2,079	541	299	247	192	225
Wet Water Years (28%)	115	958	6,949	36,127	51,052	27,093	6,215	999	449	286	220	264
Above Normal Water Years (14%)	104	702	3,067	11,836	18,856	10,146	882	572	273	240	192	214
Below Normal Water Years (18%)	88	386	6,281	2,606	3,176	1,518	496	467	246	214	190	236
Dry Water Years (24%)	427	652	8,309	759	3,733	877	402	276	261	258	173	208
Critical Water Years (16%)	64	116	1,183	543	723	328	186	194	173	208	174	177

Table F.2.2-11-9c. Yolo Bypass Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	49	-135	-8,107	-15,776	1,016	-7,230	-4,227	201	-61	-478	-307	22
20% Exceedance	23	-10	-7,226	-5,940	-5,240	-9,414	-828	69	-25	-126	0	21
30% Exceedance	19	-8	-1,165	-3,335	-9,298	-3,659	-27	52	-18	-22	0	27
40% Exceedance	19	-13	-681	-1,758	-3,032	-2,001	-22	15	14	-10	0	27
50% Exceedance	15	13	-320	-1,283	-2,527	-1,163	-29	29	20	-9	2	16
60% Exceedance	14	18	-24	-326	-1,457	-962	11	28	23	-5	2	21
70% Exceedance	20	19	0	-158	-651	-311	25	17	25	-3	4	13
80% Exceedance	11	11	8	-13	-204	-24	23	11	69	-3	0	20
90% Exceedance	8	10	13	-16	-9	-83	18	11	100	-8	12	14
Full Simulation Period Average[a]	-81	-334	-2,000	-2,529	-2,368	-2,365	-1,171	-30	-25	-205	-100	22
Wet Water Years (28%)	30	70	-783	-4,203	-728	-2,026	-3,541	-103	100	10	27	36
Above Normal Water Years (14%)	15	-886	-1,619	-6,320	-4,411	-5,643	-364	127	39	-56	-25	-2
Below Normal Water Years (18%)	15	-46	-3,393	-1,865	-2,609	-2,803	-598	-135	35	-113	8	25
Dry Water Years (24%)	-400	-881	-3,260	-388	-4,126	-1,940	-107	12	40	-97	-103	23
Critical Water Years (16%)	11	-8	-965	-239	-542	-233	31	14	-464	-975	-502	11

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-11-10a. Yolo Bypass Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	1,427	23,736	48,323	62,211	33,592	6,992	866	509	758	525	250
20% Exceedance	98	340	15,658	22,107	29,680	18,923	2,334	555	367	394	210	230
30% Exceedance	83	247	3,173	8,943	19,136	8,369	935	418	296	286	202	217
40% Exceedance	65	160	1,724	4,859	9,824	4,411	644	387	244	265	197	208
50% Exceedance	60	109	841	3,125	5,462	2,294	383	271	230	259	191	205
60% Exceedance	54	83	339	1,355	3,114	1,711	255	228	220	251	188	188
70% Exceedance	43	71	169	584	1,427	785	214	217	208	242	183	178
80% Exceedance	38	64	97	255	639	298	200	205	159	231	178	163
90% Exceedance	33	58	75	143	187	202	170	179	97	219	122	147
Full Simulation Period Average[a]	257	951	7,708	15,039	20,885	11,908	3,250	571	323	452	292	203
Wet Water Years (28%)	85	888	7,732	40,329	51,779	29,119	9,756	1,102	349	276	193	228
Above Normal Water Years (14%)	90	1,588	4,686	18,156	23,266	15,790	1,247	445	235	296	216	216
Below Normal Water Years (18%)	73	432	9,674	4,471	5,784	4,321	1,094	602	211	327	182	211
Dry Water Years (24%)	828	1,533	11,569	1,147	7,859	2,817	508	264	221	355	276	185
Critical Water Years (16%)	53	124	2,147	782	1,264	562	154	181	637	1,183	677	167

Table F.2.2-11-10b. Yolo Bypass Flow, NAA, 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

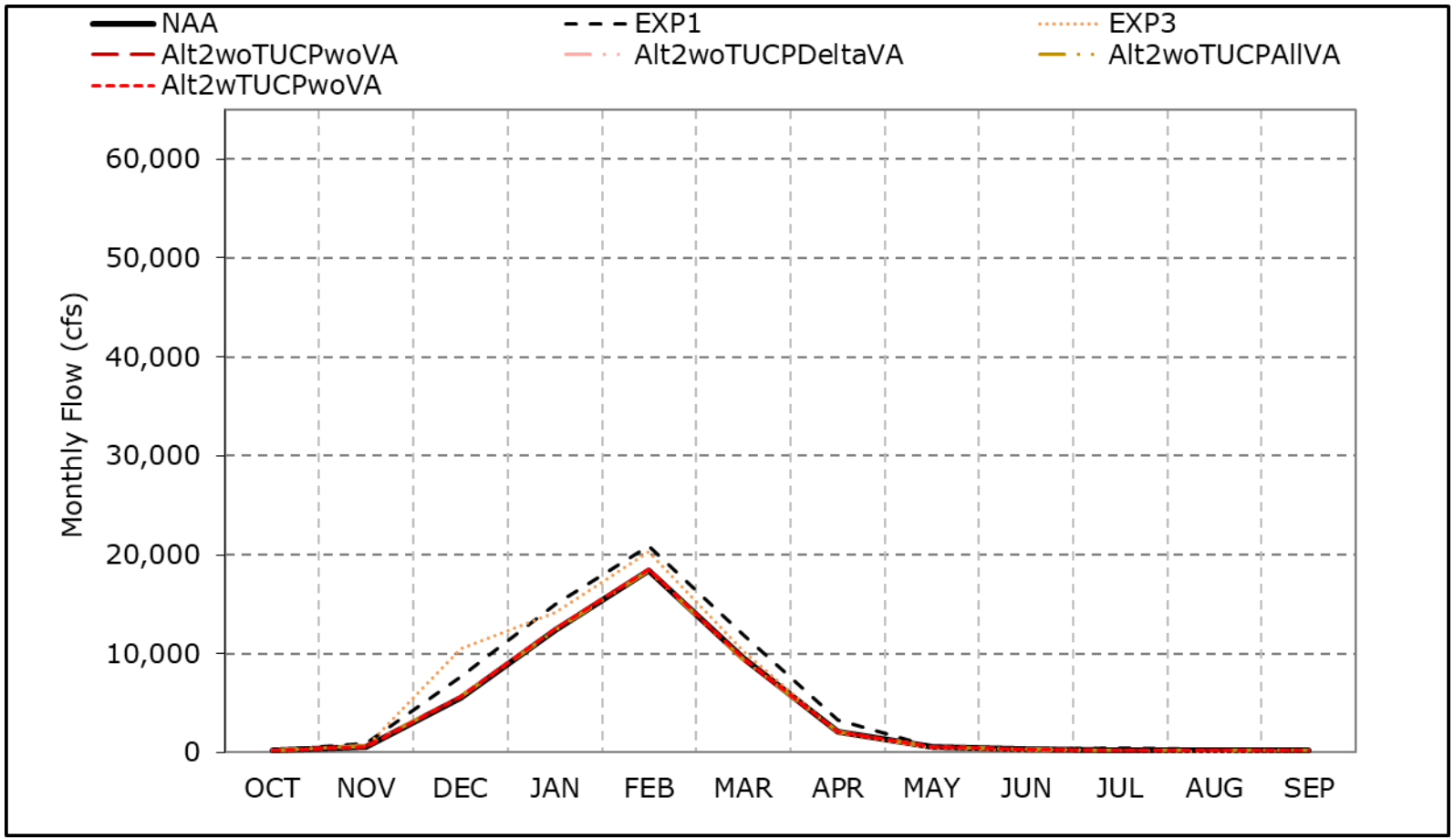
Table F.2.2-11-10c. Yolo Bypass Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	51	-168	-8,007	-15,936	969	-7,220	-4,219	202	-60	-481	-307	22
20% Exceedance	24	31	-7,228	-6,058	-6,907	-9,410	-821	71	-23	-127	1	23
30% Exceedance	20	-3	-1,170	-3,341	-9,617	-3,664	-26	53	-18	-24	2	30
40% Exceedance	20	-13	-666	-1,940	-3,142	-1,997	-21	23	14	-10	3	29
50% Exceedance	16	14	-321	-1,341	-2,596	-1,170	-28	29	21	-8	5	16
60% Exceedance	15	18	-27	-335	-1,450	-998	11	29	24	-4	4	19
70% Exceedance	20	21	0	-160	-656	-320	22	19	27	-3	6	13
80% Exceedance	16	14	14	-18	-202	-24	19	9	70	-5	8	10
90% Exceedance	10	9	15	-15	-4	-82	17	11	91	-35	52	12
Full Simulation Period Average[a]	-77	-337	-2,129	-2,710	-2,527	-2,354	-1,173	-29	-24	-207	-93	21
Wet Water Years (28%)	31	63	-807	-4,624	-984	-2,021	-3,537	-98	102	9	27	37
Above Normal Water Years (14%)	15	-887	-1,712	-6,723	-4,501	-5,556	-363	128	40	-58	-23	-1
Below Normal Water Years (18%)	15	-49	-3,496	-1,879	-2,710	-2,815	-608	-135	35	-117	14	23
Dry Water Years (24%)	-385	-890	-3,638	-401	-4,358	-1,945	-106	13	40	-97	-87	24
Critical Water Years (16%)	12	4	-962	-245	-544	-231	21	9	-464	-982	-494	8

[a] Based on the 100-year simulation period.

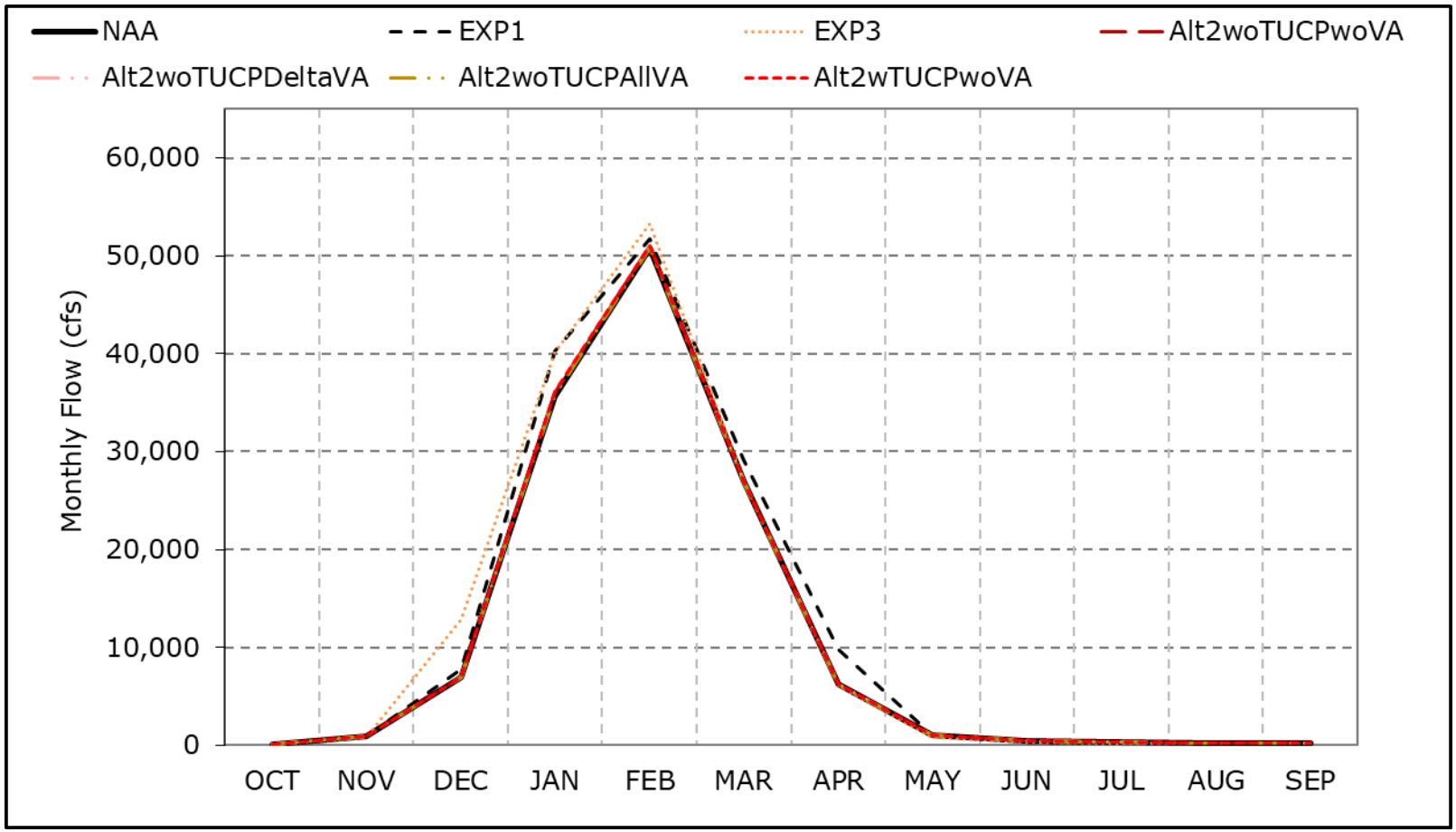
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



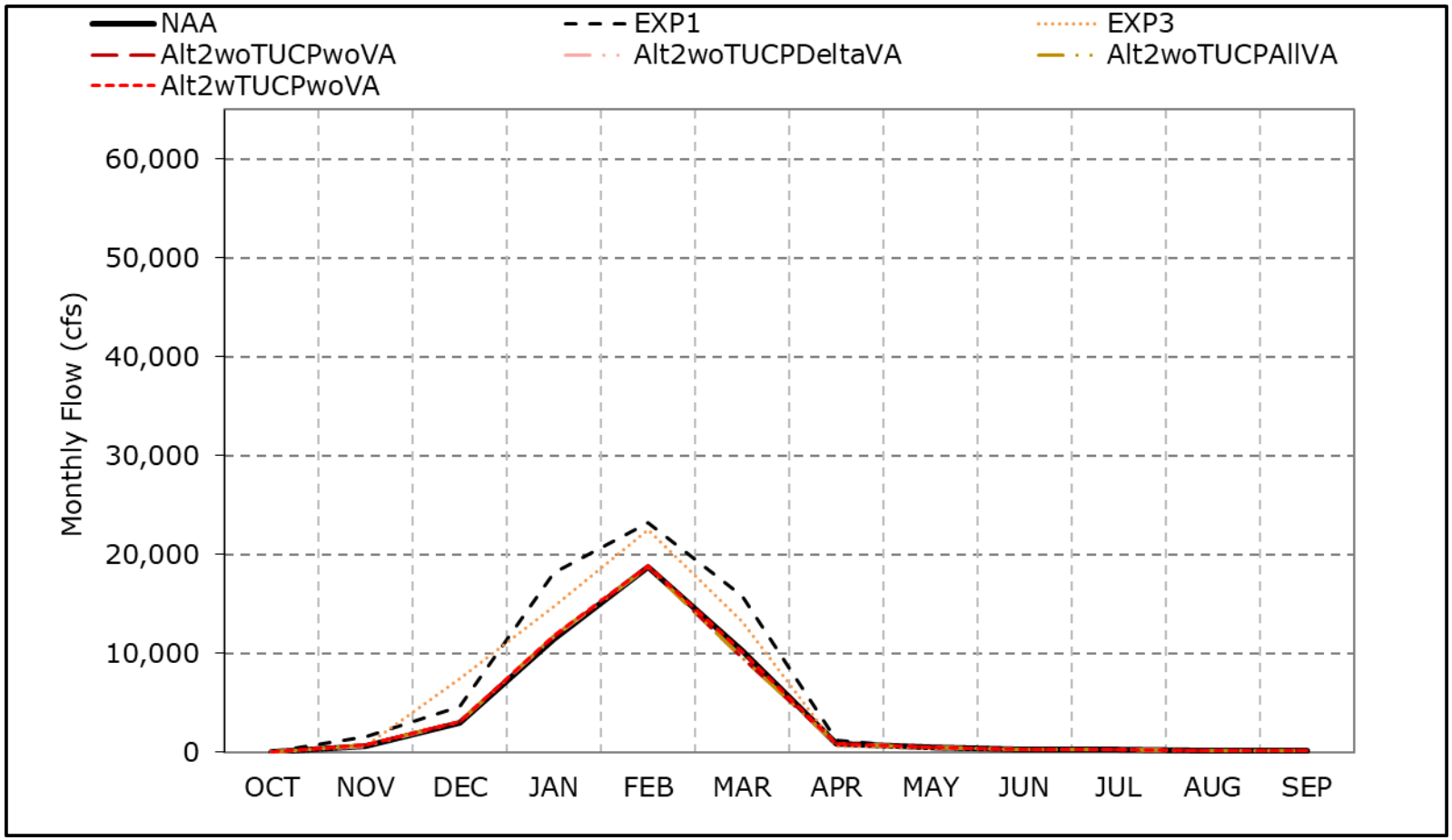
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



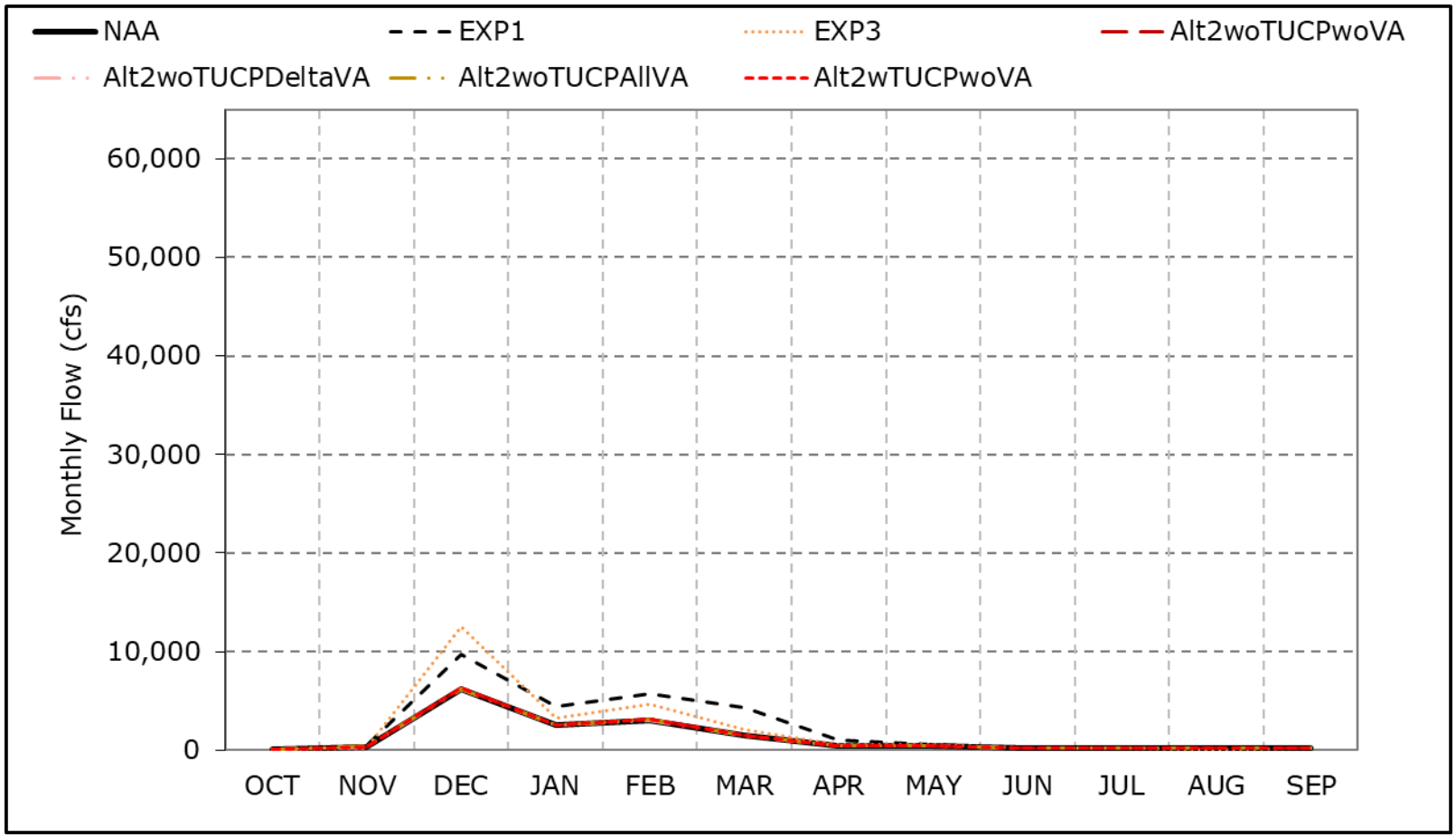
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



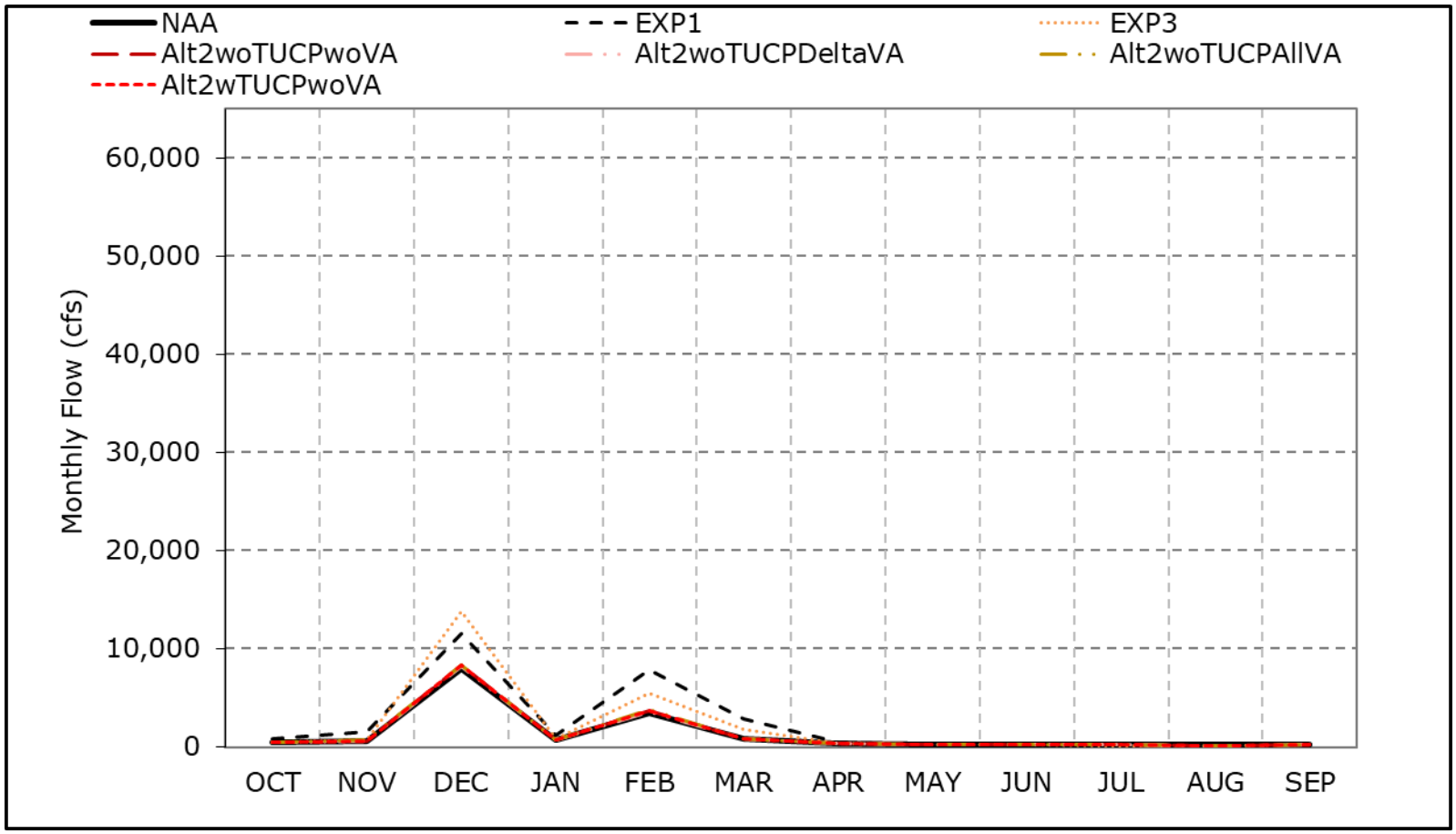
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



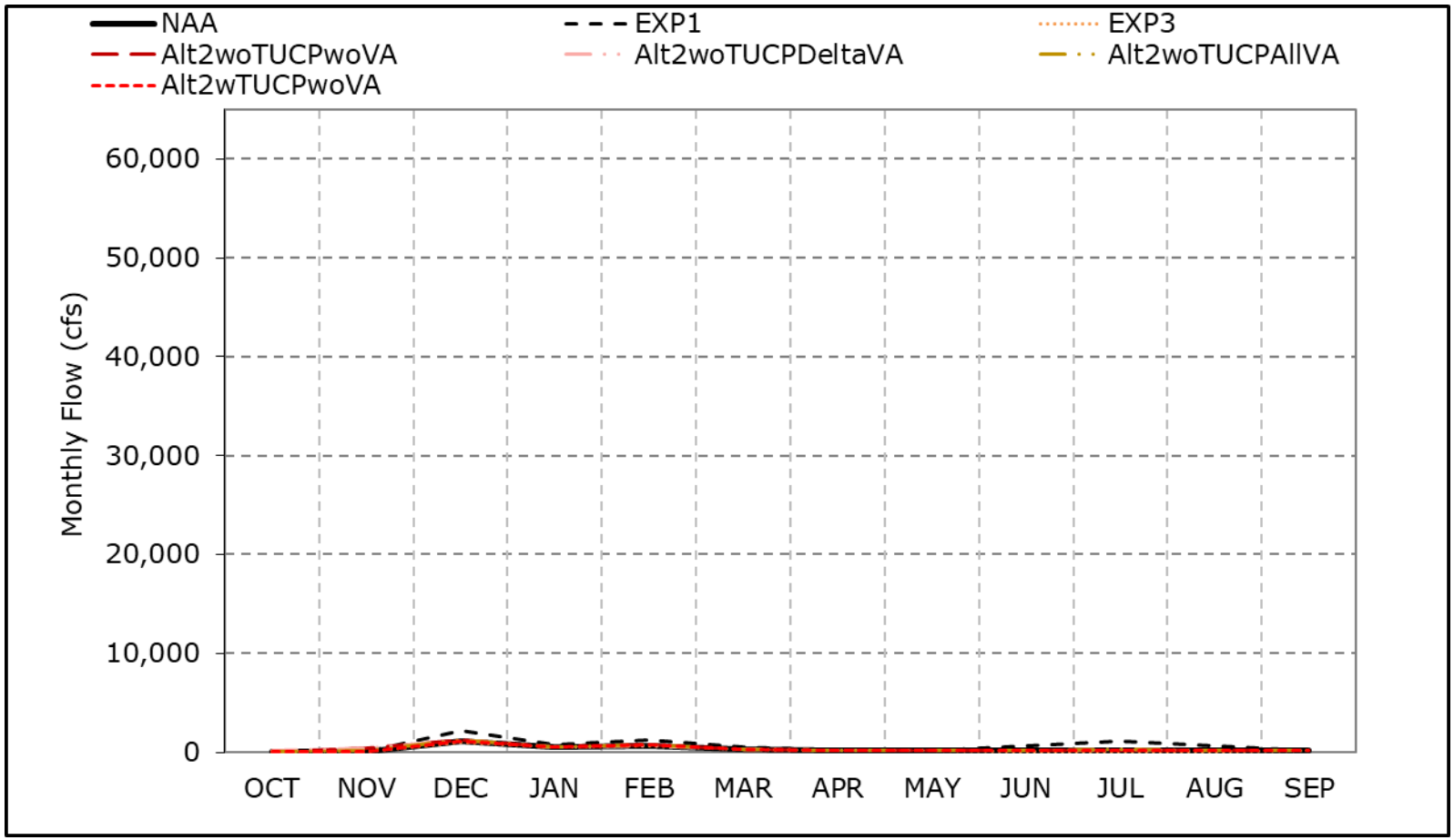
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



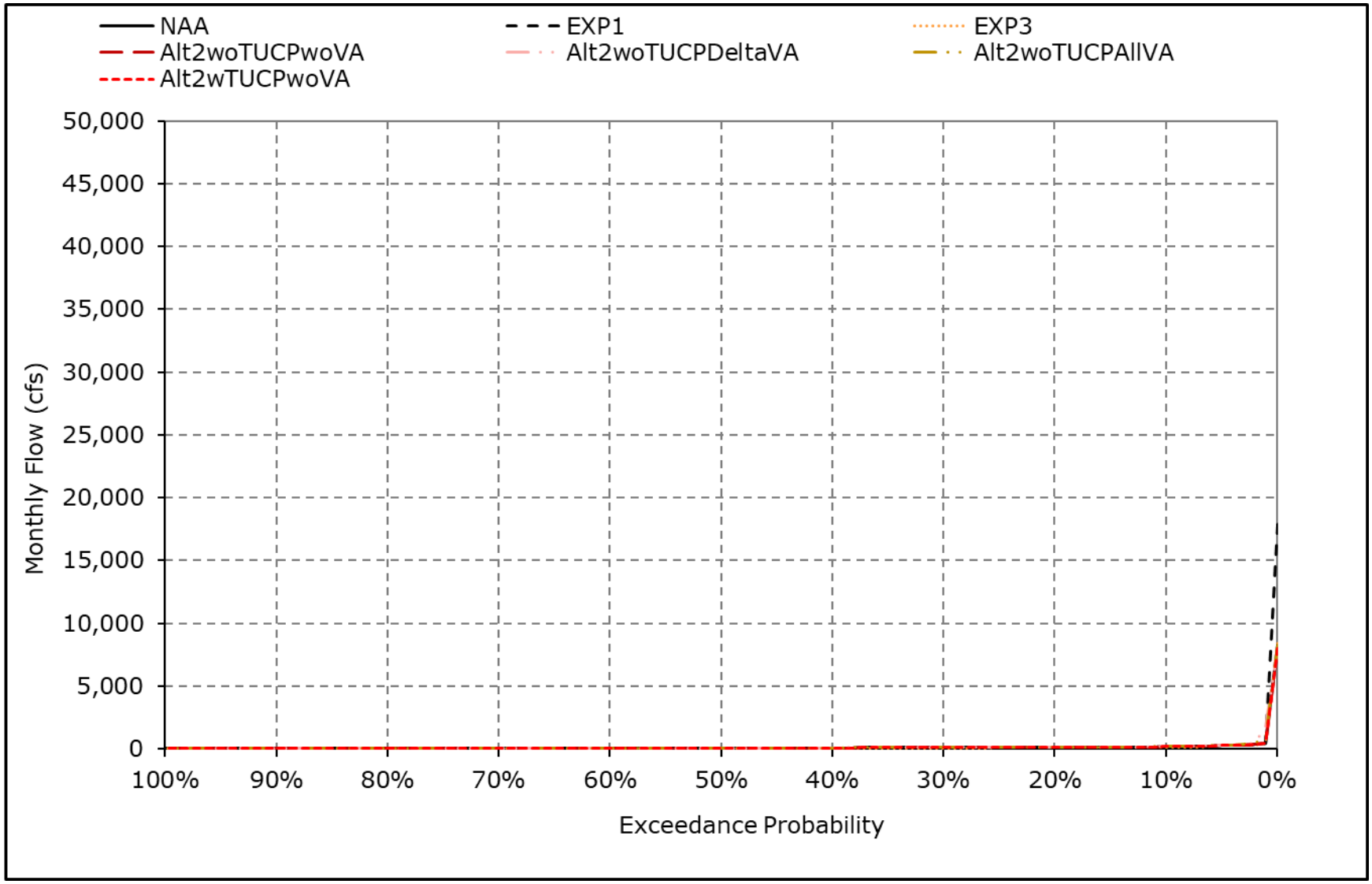
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



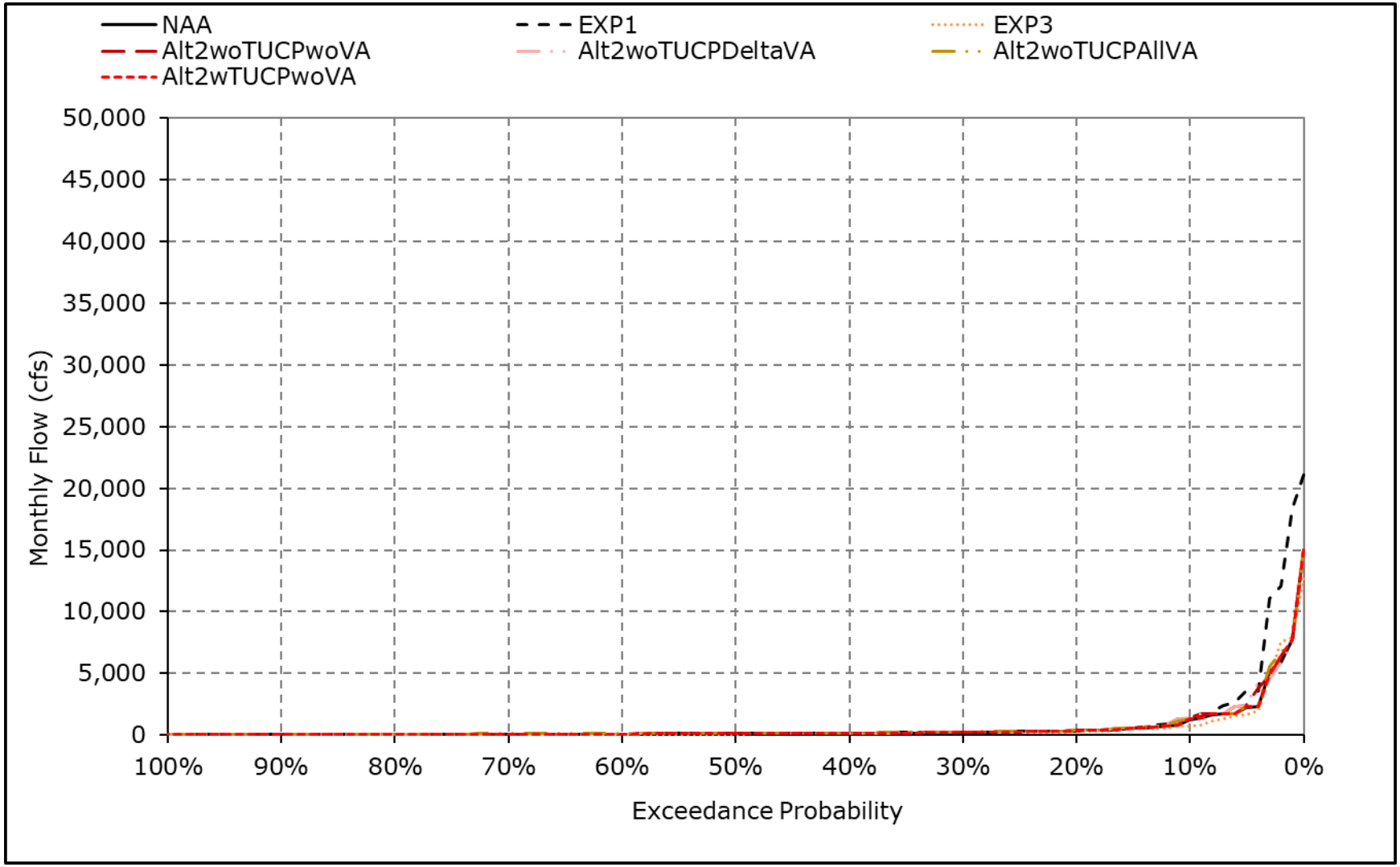
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



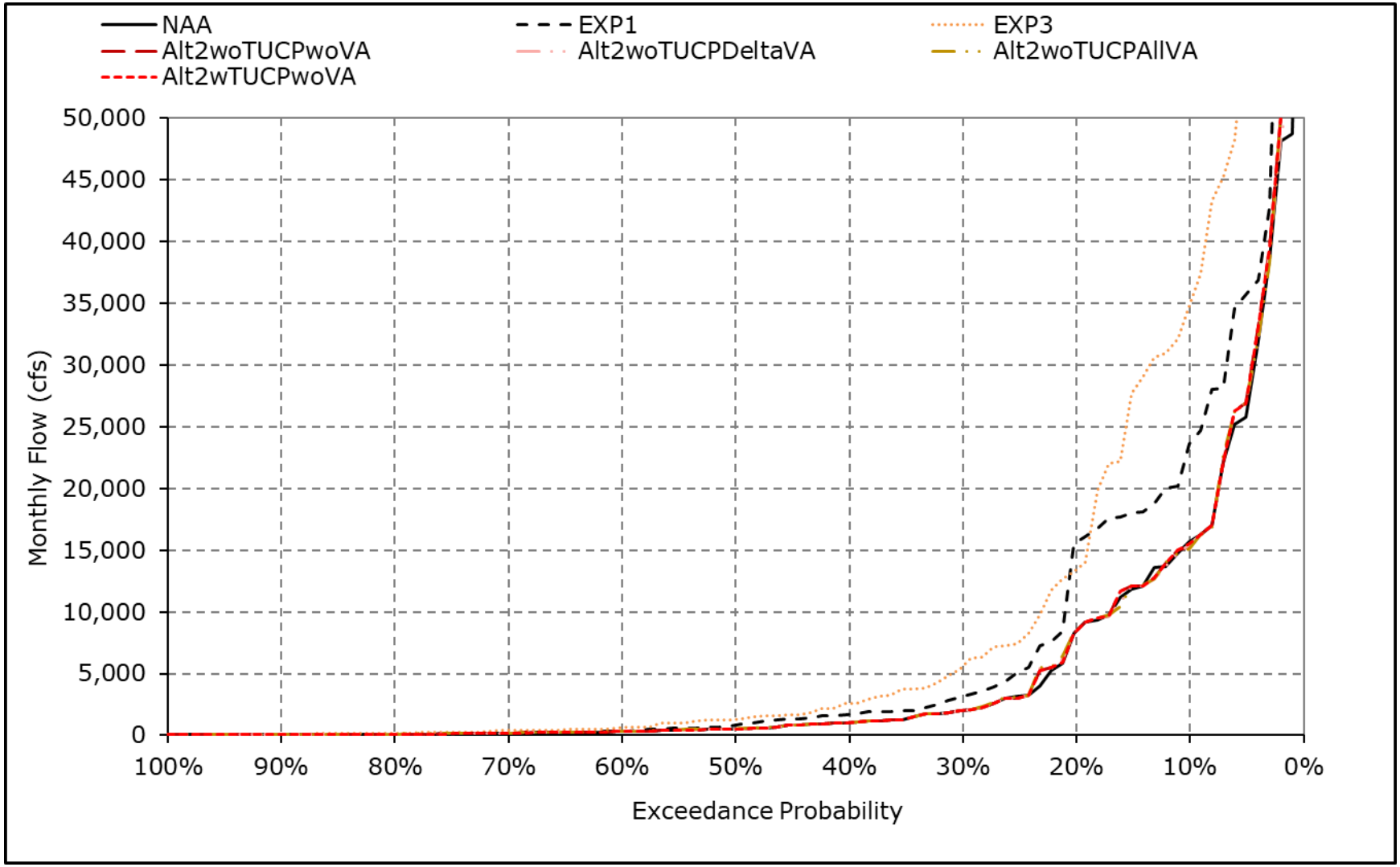
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



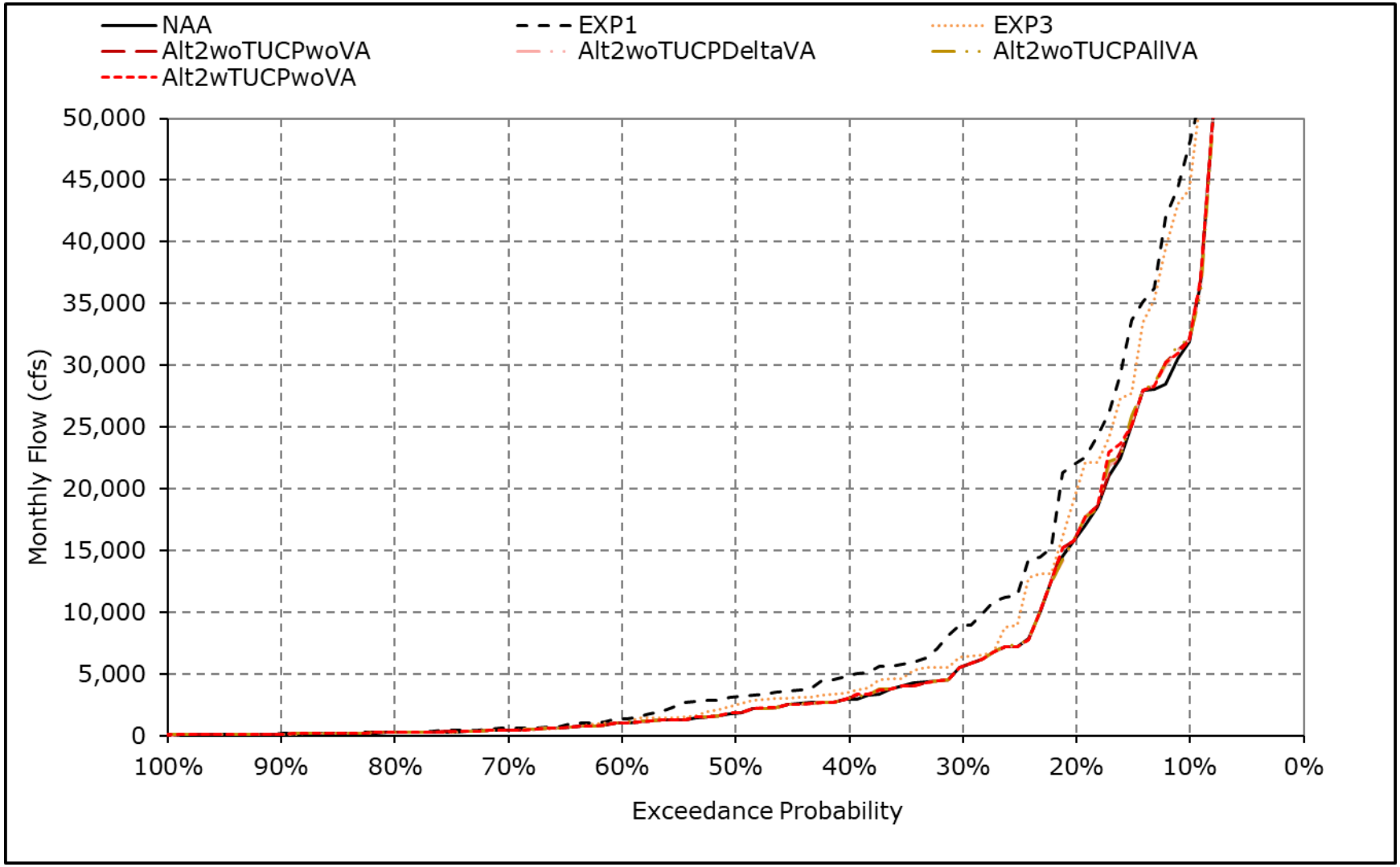
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



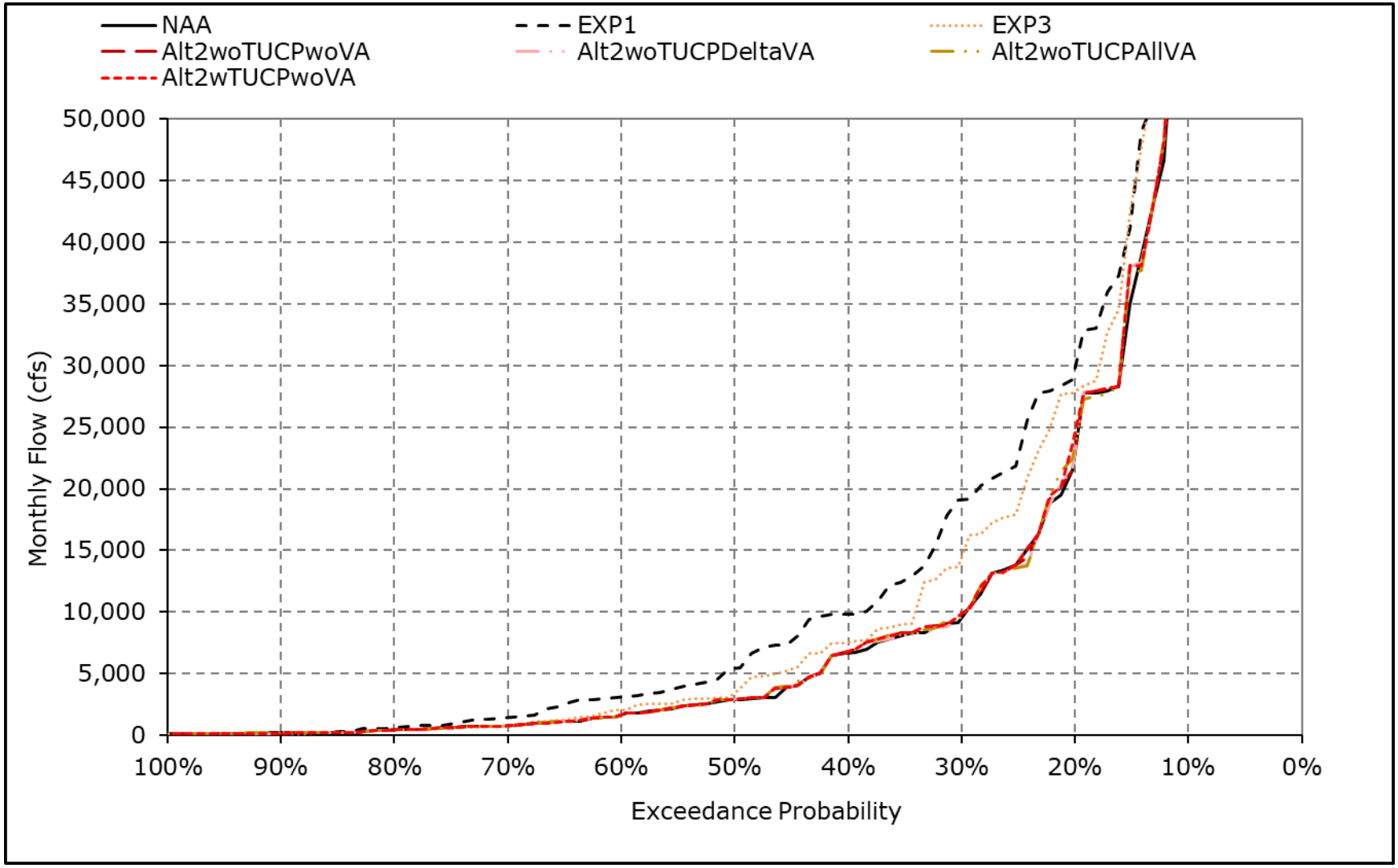
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



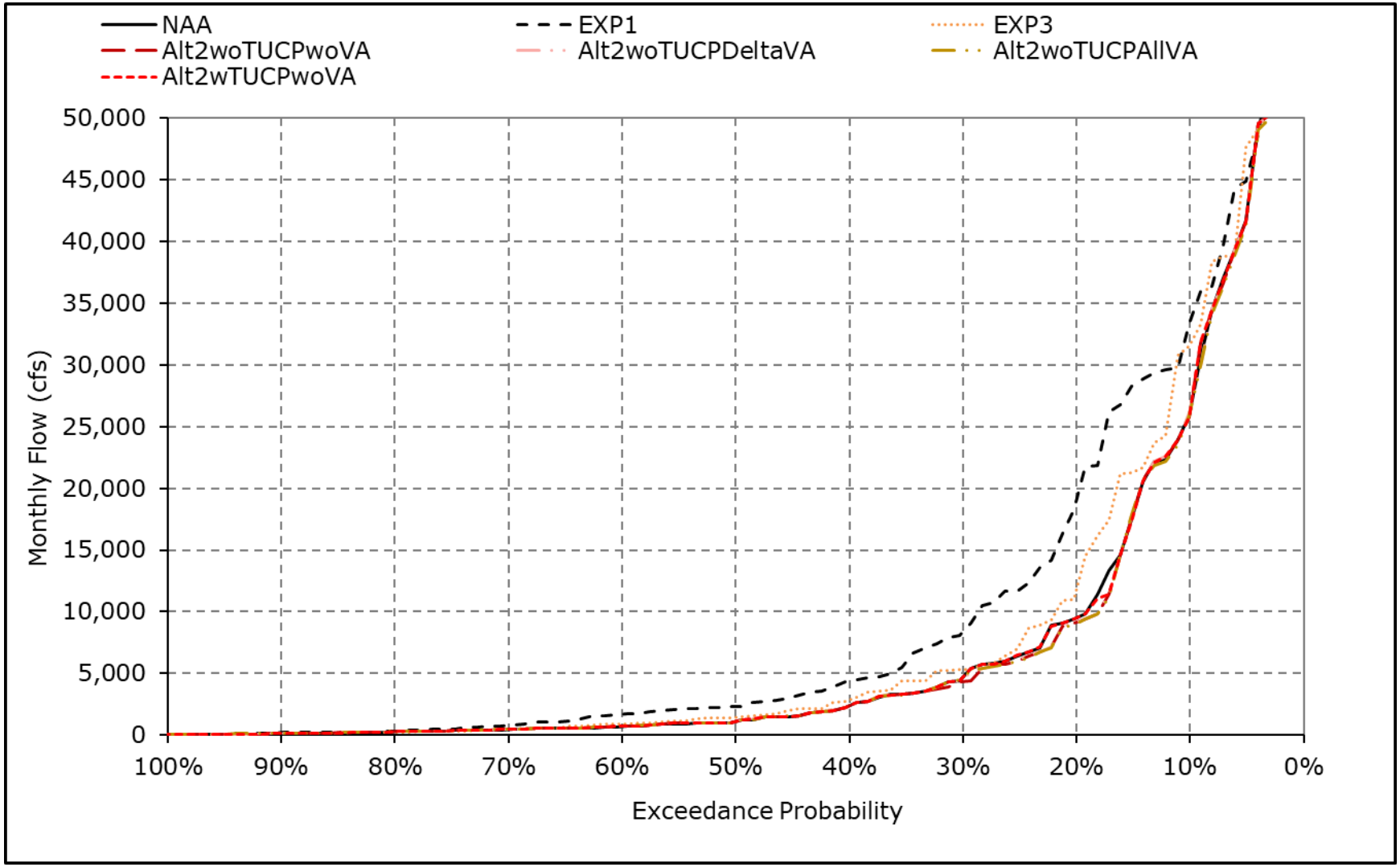
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



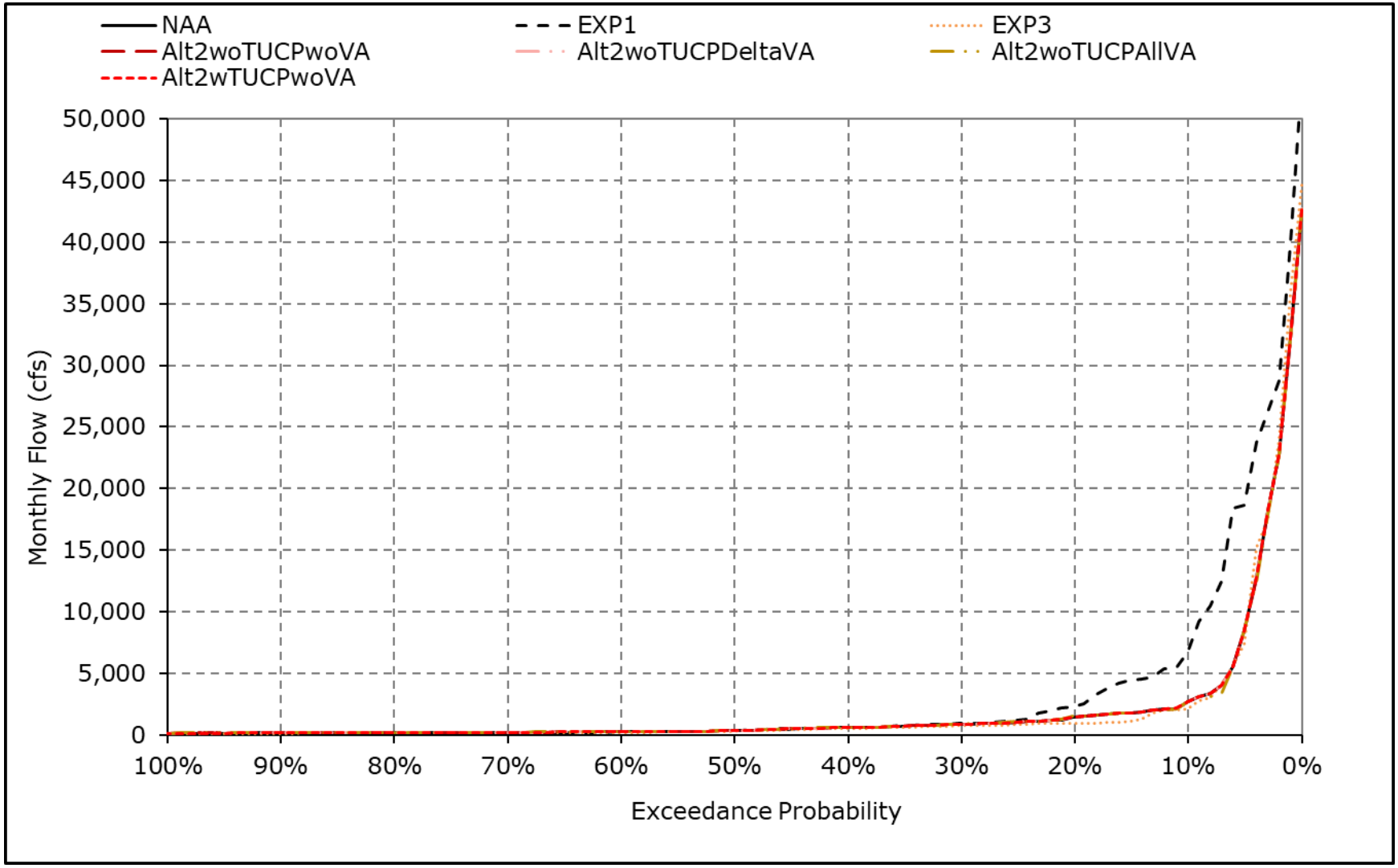
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



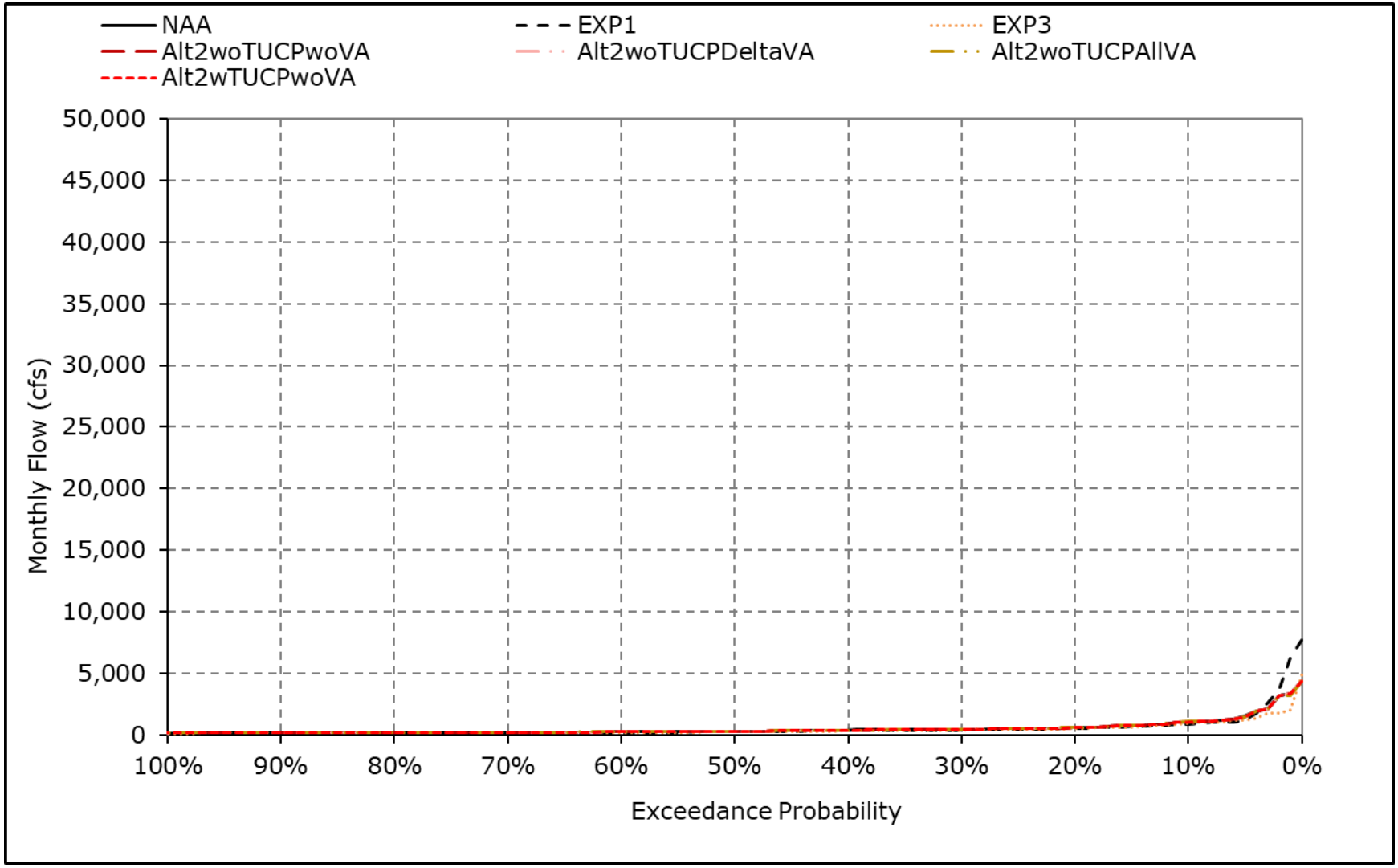
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



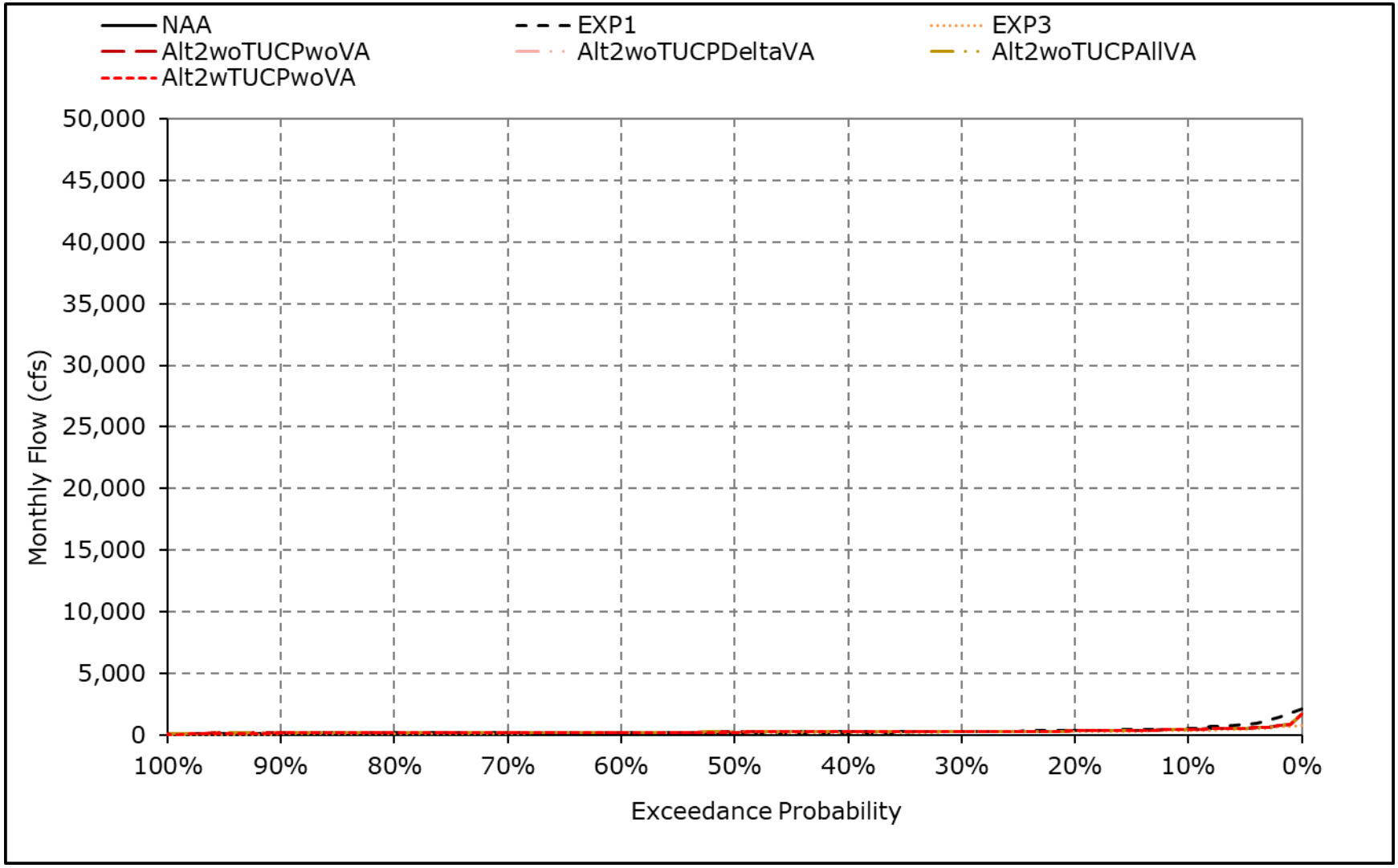
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



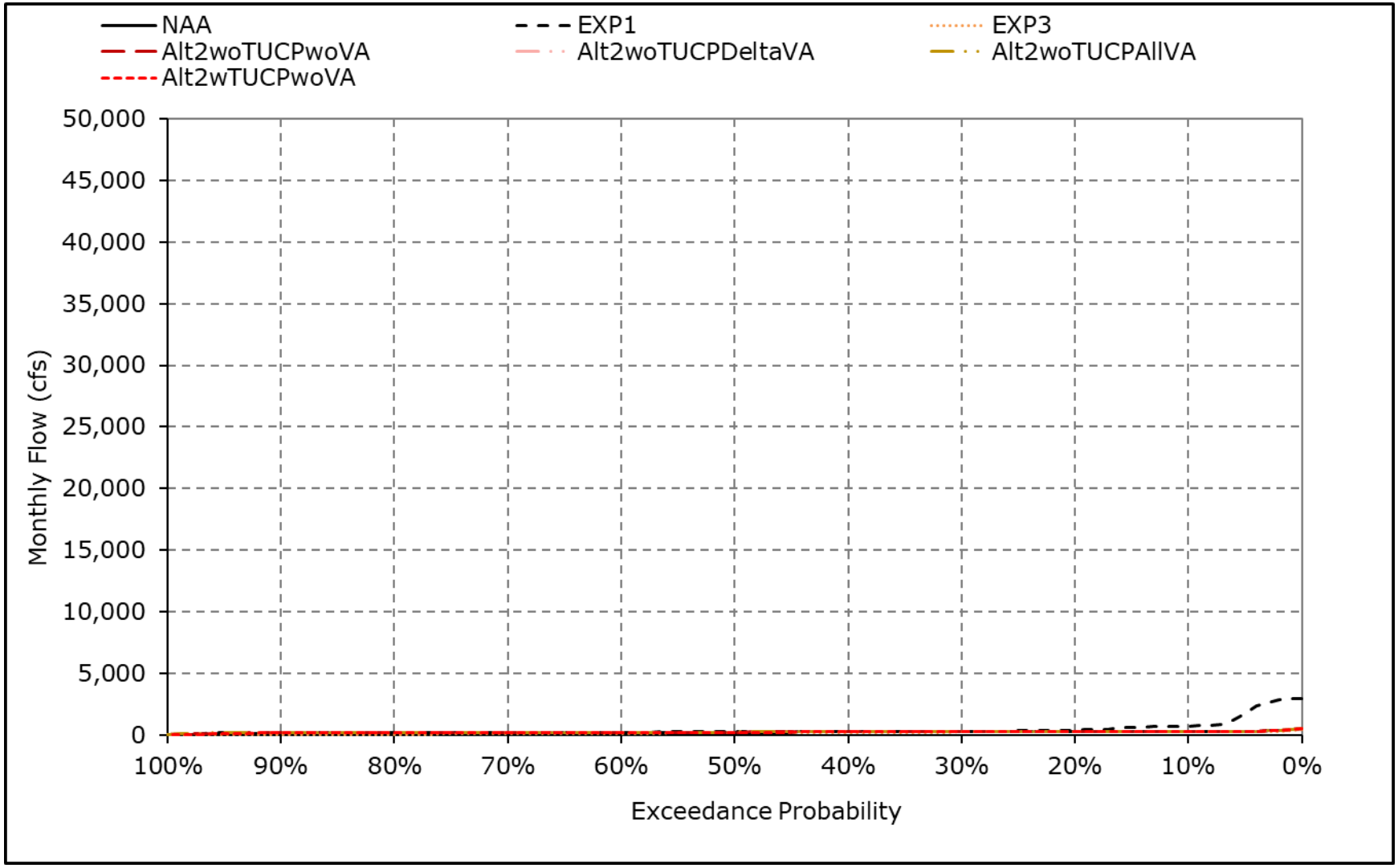
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



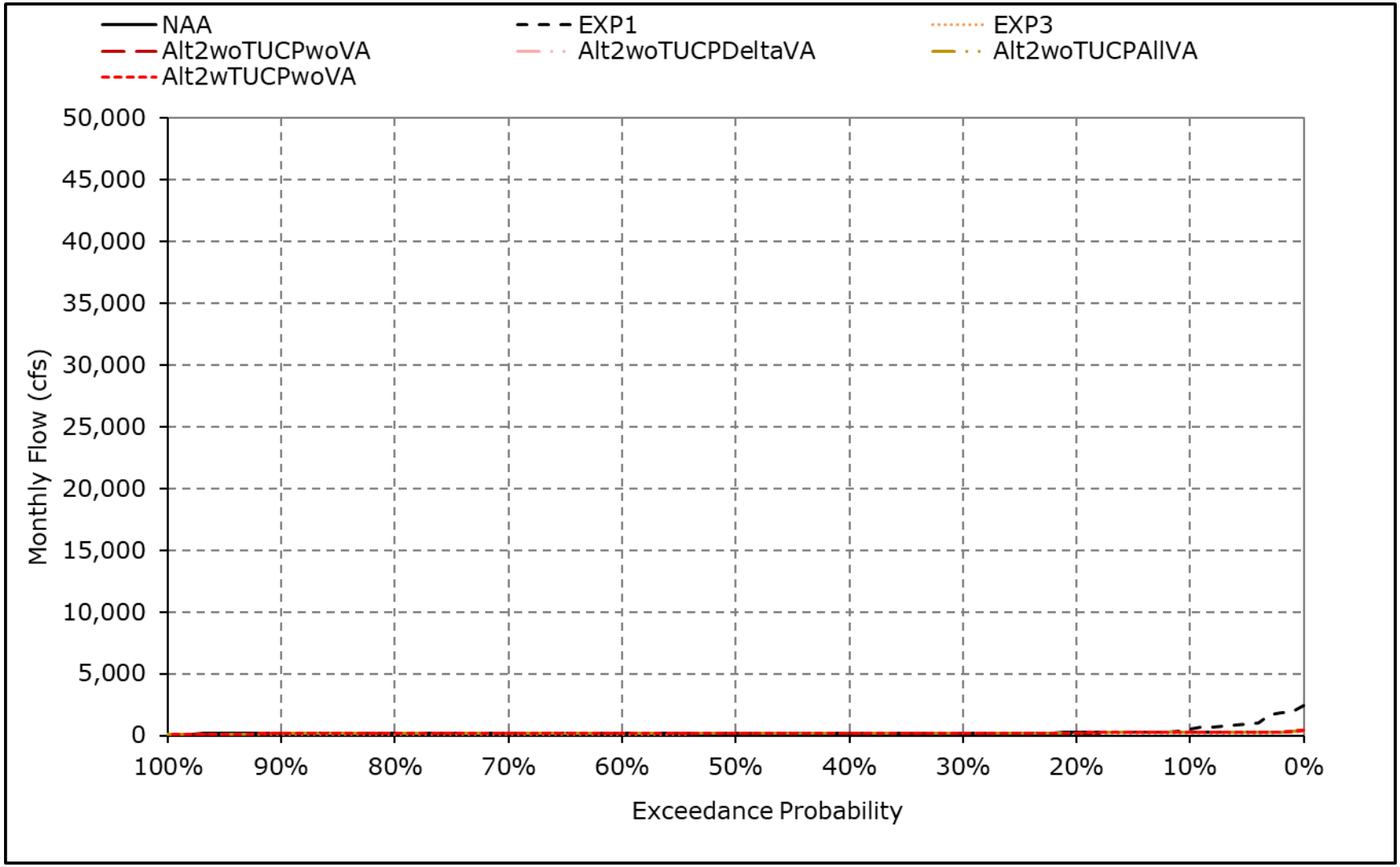
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-11-16. Yolo Bypass Flow, July



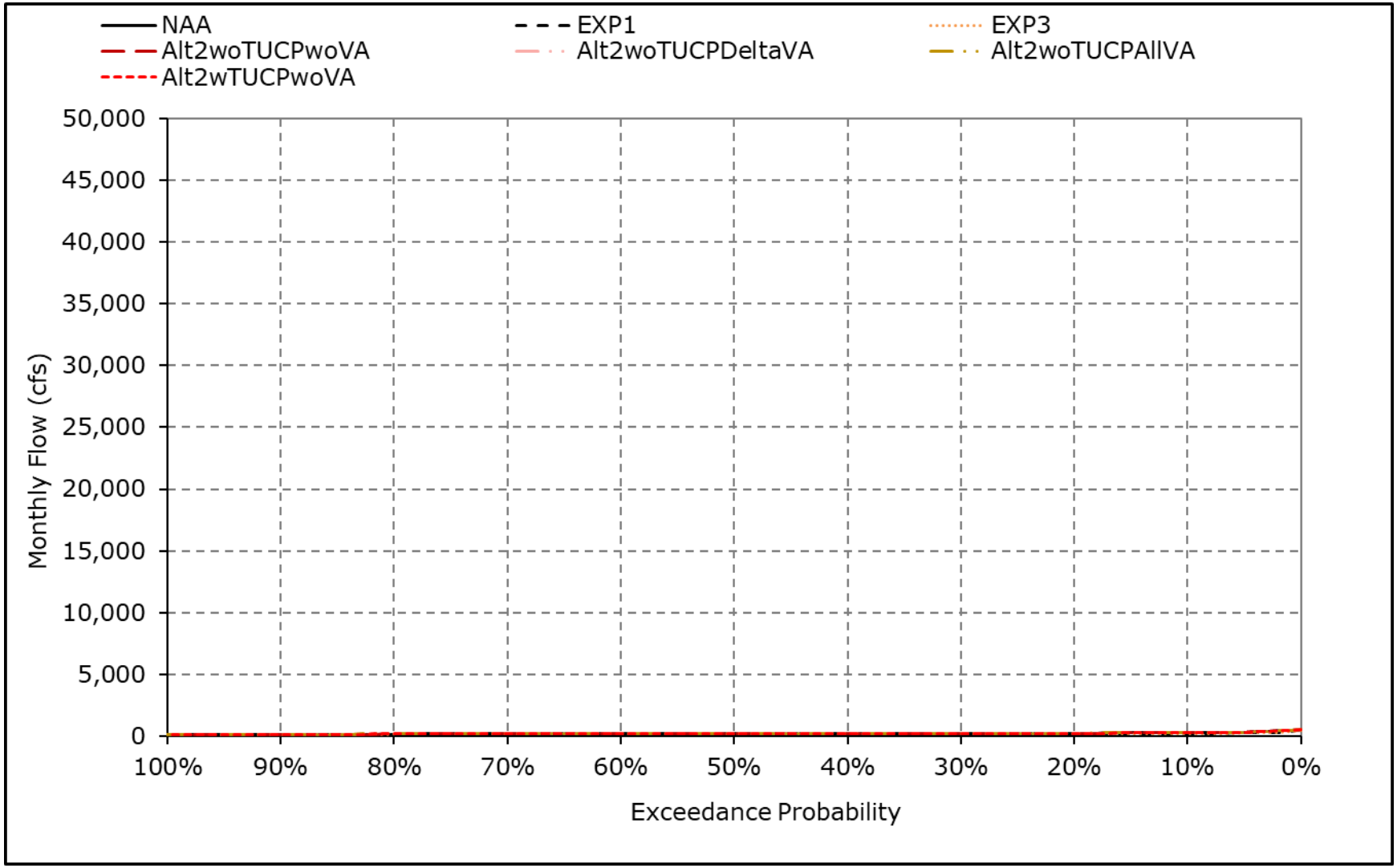
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-11-17. Yolo Bypass Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-11-18. Yolo Bypass Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-12-1a. American River below Nimbus Dam Flow, NAA, 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

Table F.2.2-12-1b. American River below Nimbus Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,238	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,105	4,851	3,280	2,872
20% Exceedance	1,802	3,846	5,126	8,479	10,570	6,051	5,981	5,859	4,087	4,515	2,861	2,490
30% Exceedance	1,589	2,994	3,251	6,266	7,718	4,757	4,198	4,348	3,501	4,084	2,662	2,036
40% Exceedance	1,524	2,402	2,193	4,175	5,782	3,232	3,305	3,262	3,002	3,781	2,391	1,750
50% Exceedance	1,500	2,000	2,000	2,575	4,242	2,717	2,615	2,809	2,799	3,410	2,134	1,750
60% Exceedance	1,469	1,862	2,000	1,469	3,027	1,750	1,871	2,041	2,405	3,156	1,885	1,686
70% Exceedance	991	1,175	1,569	1,400	2,003	1,602	1,500	1,504	2,058	2,631	1,750	1,608
80% Exceedance	703	760	955	1,302	1,400	981	1,132	1,275	1,535	2,276	1,566	1,390
90% Exceedance	561	628	634	528	1,305	953	953	1,006	1,070	1,668	1,273	730
Full Simulation Period Average[a]	1,453	2,585	3,929	5,278	6,346	4,032	3,713	3,633	2,905	3,354	2,233	1,850
Wet Water Years (28%)	1,896	4,111	4,855	11,650	12,283	7,659	6,803	6,359	3,695	3,542	2,770	2,537
Above Normal Water Years (14%)	1,974	2,405	3,317	6,765	7,489	4,981	3,293	3,393	3,442	4,315	2,309	2,345
Below Normal Water Years (18%)	1,415	2,023	4,201	2,788	4,574	2,731	2,769	3,100	2,794	4,258	2,545	1,724
Dry Water Years (24%)	1,150	2,265	4,987	1,568	3,265	1,980	2,254	2,785	2,527	3,078	1,924	1,469
Critical Water Years (16%)	638	1,099	795	1,192	1,571	1,394	1,923	945	1,748	1,579	1,338	930

Table F.2.2-12-1c. American River below Nimbus Dam Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-156	0	-30	0	0	0	0	0	97	-593	-34	47
20% Exceedance	51	87	164	186	2	387	0	-148	147	-387	35	-74
30% Exceedance	10	92	6	258	381	118	156	125	228	-212	26	18
40% Exceedance	24	54	-126	202	116	107	233	129	60	-62	53	0
50% Exceedance	0	0	0	-156	272	212	604	391	77	127	-24	0
60% Exceedance	-31	-115	0	-246	-41	0	371	177	76	220	-34	-42
70% Exceedance	-151	-151	-341	-6	184	12	230	4	146	99	-45	-35
80% Exceedance	-60	-280	-192	-98	-76	-451	-37	6	6	70	-109	-157
90% Exceedance	-56	-74	-54	-217	-95	0	0	-51	65	-61	-272	-187
Full Simulation Period Average[a]	-47	-27	-47	-36	29	9	162	50	65	-86	-52	-18
Wet Water Years (28%)	25	45	1	21	0	0	0	0	31	-89	-34	23
Above Normal Water Years (14%)	82	-14	-21	247	26	16	-3	69	131	-303	50	62
Below Normal Water Years (18%)	-163	12	89	-138	219	-50	-52	154	16	-299	96	-26
Dry Water Years (24%)	-77	-11	-180	-99	68	-97	82	293	-71	168	-44	-61
Critical Water Years (16%)	-123	-248	-116	-176	-188	245	953	-358	323	-34	-351	-85

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-2a. American River below Nimbus Dam Flow, NAA, 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

Table F.2.2-12-2b. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,298	4,857	10,939	12,928	13,808	9,775	7,815	8,371	4,976	5,002	3,280	2,845
20% Exceedance	1,723	3,750	5,120	8,677	10,594	6,092	6,001	5,886	3,969	4,486	2,814	2,518
30% Exceedance	1,578	3,299	3,177	6,211	7,443	4,750	4,140	4,150	3,373	4,075	2,563	2,076
40% Exceedance	1,500	2,323	2,181	4,245	5,761	3,226	3,293	3,190	3,030	3,720	2,401	1,750
50% Exceedance	1,500	2,000	2,000	2,722	4,171	2,766	2,395	2,578	2,794	3,415	2,138	1,750
60% Exceedance	1,469	1,804	2,000	1,451	3,190	1,750	1,634	1,867	2,454	3,071	1,830	1,708
70% Exceedance	942	1,175	1,568	1,400	1,909	1,602	1,500	1,500	2,006	2,525	1,750	1,621
80% Exceedance	656	746	907	1,302	1,400	981	1,078	1,250	1,531	2,211	1,571	1,499
90% Exceedance	561	628	634	531	1,305	953	953	1,006	1,143	1,689	1,250	734
Full Simulation Period Average[a]	1,438	2,560	3,912	5,305	6,343	4,035	3,658	3,567	2,884	3,352	2,228	1,865
Wet Water Years (28%)	1,889	4,132	4,842	11,642	12,292	7,657	6,804	6,314	3,660	3,525	2,727	2,535
Above Normal Water Years (14%)	1,908	2,425	3,308	6,827	7,530	4,978	3,274	3,301	3,356	4,393	2,169	2,373
Below Normal Water Years (18%)	1,445	2,056	4,161	2,729	4,429	2,758	2,739	2,983	2,767	4,204	2,566	1,731
Dry Water Years (24%)	1,132	2,149	4,984	1,558	3,329	2,003	2,165	2,705	2,565	3,064	1,959	1,484
Critical Water Years (16%)	610	1,026	763	1,401	1,567	1,358	1,762	944	1,725	1,611	1,428	968

Table F.2.2-12-2c. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-96	-48	-27	-9	-1	-7	-21	-20	-32	-443	-34	20
20% Exceedance	-28	-10	158	384	25	428	20	-121	29	-416	-11	-45
30% Exceedance	-1	398	-69	203	106	111	97	-73	100	-221	-73	58
40% Exceedance	0	-26	-138	273	94	101	221	57	89	-123	63	0
50% Exceedance	0	0	0	-10	202	261	385	160	72	132	-21	0
60% Exceedance	-31	-173	0	-264	122	0	134	3	125	136	-89	-20
70% Exceedance	-200	-151	-342	-6	91	12	230	0	93	-7	-45	-21
80% Exceedance	-106	-294	-239	-98	-76	-451	-91	-19	2	6	-104	-49
90% Exceedance	-56	-74	-54	-214	-95	0	0	-51	138	-41	-295	-183
Full Simulation Period Average[a]	-62	-52	-65	-9	26	13	108	-15	43	-88	-57	-4
Wet Water Years (28%)	19	65	-12	14	9	-2	1	-44	-4	-106	-78	21
Above Normal Water Years (14%)	15	7	-31	309	67	13	-21	-23	45	-225	-90	90
Below Normal Water Years (18%)	-133	44	49	-198	73	-22	-82	37	-11	-353	116	-19
Dry Water Years (24%)	-95	-128	-183	-109	131	-73	-7	213	-33	154	-9	-45
Critical Water Years (16%)	-151	-322	-147	33	-192	209	793	-358	299	-3	-260	-47

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-3a. American River below Nimbus Dam Flow, NAA, 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

Table F.2.2-12-3b. American River below Nimbus Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,366	4,716	11,176	12,904	13,806	9,774	7,839	8,382	4,964	5,263	3,221	2,845
20% Exceedance	1,733	3,884	5,114	8,806	10,909	6,146	6,012	6,009	3,864	4,475	2,816	2,448
30% Exceedance	1,578	3,097	3,231	6,226	7,443	4,782	4,226	4,157	3,362	4,052	2,433	2,076
40% Exceedance	1,500	2,631	2,224	4,169	5,754	3,265	3,396	3,235	3,042	3,664	2,262	1,750
50% Exceedance	1,500	2,000	2,000	2,722	4,149	2,809	2,611	2,652	2,843	3,300	1,966	1,733
60% Exceedance	1,463	1,859	2,000	1,521	3,074	1,800	1,660	1,887	2,432	2,935	1,777	1,694
70% Exceedance	991	1,175	1,682	1,400	2,061	1,677	1,498	1,550	2,089	2,485	1,734	1,621
80% Exceedance	691	760	907	1,380	1,400	1,082	1,147	1,385	1,534	2,210	1,578	1,503
90% Exceedance	561	628	634	531	1,270	1,010	1,056	1,121	1,208	1,721	1,233	727
Full Simulation Period Average[a]	1,453	2,616	3,944	5,310	6,343	4,097	3,722	3,621	2,887	3,310	2,159	1,852
Wet Water Years (28%)	1,879	4,121	4,841	11,607	12,293	7,675	6,809	6,334	3,659	3,540	2,721	2,522
Above Normal Water Years (14%)	1,950	2,415	3,331	6,908	7,525	5,029	3,325	3,366	3,396	4,297	2,103	2,259
Below Normal Water Years (18%)	1,465	2,065	4,196	2,740	4,401	2,826	2,827	2,972	2,789	4,181	2,408	1,797
Dry Water Years (24%)	1,140	2,379	5,076	1,582	3,389	2,116	2,274	2,775	2,534	2,934	1,863	1,464
Critical Water Years (16%)	646	1,048	772	1,374	1,512	1,419	1,844	1,098	1,730	1,625	1,389	966

Table F.2.2-12-3c. American River below Nimbus Dam Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-28	-190	210	-34	-3	-7	3	-8	-44	-182	-94	20
20% Exceedance	-18	124	151	514	341	482	31	2	-77	-426	-10	-115
30% Exceedance	-1	196	-15	218	106	143	184	-67	89	-243	-203	58
40% Exceedance	0	282	-95	197	88	140	324	102	100	-179	-76	0
50% Exceedance	0	0	0	-10	180	304	601	234	121	17	-192	-17
60% Exceedance	-37	-118	0	-194	6	50	160	23	104	0	-142	-34
70% Exceedance	-151	-151	-228	-6	242	87	228	50	176	-47	-61	-21
80% Exceedance	-71	-280	-239	-20	-76	-350	-22	116	5	4	-97	-44
90% Exceedance	-56	-74	-54	-214	-130	58	103	65	203	-9	-312	-190
Full Simulation Period Average[a]	-47	4	-32	-4	26	74	171	39	46	-131	-126	-16
Wet Water Years (28%)	9	54	-12	-21	10	16	6	-25	-4	-91	-83	8
Above Normal Water Years (14%)	58	-3	-8	389	62	64	30	42	85	-321	-157	-24
Below Normal Water Years (18%)	-113	53	84	-186	46	45	5	25	11	-376	-41	47
Dry Water Years (24%)	-87	103	-92	-85	192	40	102	283	-63	24	-105	-65
Critical Water Years (16%)	-115	-300	-139	6	-247	270	874	-204	305	12	-300	-50

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-4a. American River below Nimbus Dam Flow, NAA, 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

Table F.2.2-12-4b. American River below Nimbus Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,384	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,108	4,860	3,264	2,869
20% Exceedance	1,841	3,833	5,126	8,627	10,570	6,051	5,981	6,014	4,014	4,651	2,850	2,494
30% Exceedance	1,630	2,995	3,253	6,266	7,330	4,639	4,015	4,411	3,301	4,096	2,707	1,961
40% Exceedance	1,524	2,287	2,228	4,175	5,784	3,125	3,254	3,298	2,970	3,781	2,441	1,750
50% Exceedance	1,500	2,000	2,000	2,731	4,245	2,393	2,186	2,849	2,742	3,424	2,170	1,750
60% Exceedance	1,469	1,890	2,000	1,536	3,067	1,750	1,500	2,075	2,321	3,175	1,920	1,686
70% Exceedance	942	1,175	1,784	1,400	2,109	1,602	1,151	1,542	2,013	2,603	1,775	1,608
80% Exceedance	698	823	1,113	1,396	1,400	953	953	1,426	1,546	2,319	1,677	1,416
90% Exceedance	581	646	636	691	1,305	953	921	1,006	1,027	1,728	1,375	730
Full Simulation Period Average[a]	1,471	2,592	3,977	5,343	6,349	3,976	3,541	3,685	2,859	3,391	2,261	1,848
Wet Water Years (28%)	1,895	4,116	4,858	11,650	12,284	7,659	6,803	6,359	3,689	3,541	2,767	2,536
Above Normal Water Years (14%)	1,963	2,406	3,314	6,792	7,491	4,981	3,292	3,393	3,453	4,307	2,330	2,347
Below Normal Water Years (18%)	1,505	2,000	4,182	2,855	4,567	2,731	2,770	3,084	2,795	4,274	2,558	1,724
Dry Water Years (24%)	1,148	2,253	4,987	1,569	3,274	1,979	2,238	2,783	2,524	3,087	1,919	1,469
Critical Water Years (16%)	662	1,189	1,132	1,500	1,581	1,046	870	1,293	1,461	1,787	1,495	918

Table F.2.2-12-4c. American River below Nimbus Dam Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-10	0	-30	0	0	0	0	0	100	-584	-50	44
20% Exceedance	90	74	164	334	2	387	0	7	74	-251	24	-70
30% Exceedance	51	94	8	258	-7	0	-27	187	28	-199	71	-57
40% Exceedance	24	-61	-91	203	117	0	183	165	28	-62	103	0
50% Exceedance	0	0	0	0	275	-112	175	431	21	141	11	0
60% Exceedance	-31	-87	0	-178	0	0	0	211	-7	239	1	-42
70% Exceedance	-200	-151	-126	-6	290	12	-119	42	100	72	-20	-35
80% Exceedance	-65	-218	-34	-4	-76	-479	-216	157	17	113	2	-132
90% Exceedance	-37	-56	-53	-54	-95	0	-32	-51	22	-2	-170	-187
Full Simulation Period Average[a]	-30	-20	0	29	32	-47	-10	103	18	-49	-24	-20
Wet Water Years (28%)	25	49	5	22	0	0	0	0	25	-91	-37	22
Above Normal Water Years (14%)	70	-12	-24	274	28	16	-3	69	142	-311	70	64
Below Normal Water Years (18%)	-73	-12	70	-71	212	-50	-52	137	16	-283	108	-26
Dry Water Years (24%)	-79	-24	-180	-99	76	-97	66	291	-74	177	-49	-61
Critical Water Years (16%)	-99	-159	222	132	-178	-104	-99	-9	36	174	-194	-98

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-5a. American River below Nimbus Dam Flow, NAA, 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

Table F.2.2-12-5b. American River below Nimbus Dam Flow, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,500	7,925	11,419	12,967	13,839	9,810	7,870	8,435	4,742	5,207	1,780	1,750
20% Exceedance	1,500	7,357	5,265	9,434	11,036	6,082	6,014	6,054	2,917	4,622	1,750	1,750
30% Exceedance	1,500	5,750	4,006	6,622	7,748	4,668	4,104	4,319	2,354	4,070	1,750	1,750
40% Exceedance	1,500	4,423	3,069	4,196	6,186	3,087	2,732	2,511	1,754	3,427	1,750	1,750
50% Exceedance	1,500	3,623	2,443	3,211	4,561	2,162	1,500	1,512	1,519	3,129	1,750	1,750
60% Exceedance	1,478	2,629	2,000	2,368	3,360	1,750	1,386	1,448	1,492	2,623	1,750	1,720
70% Exceedance	1,040	2,000	2,000	1,651	2,161	1,597	1,217	1,228	1,244	2,458	1,648	1,642
80% Exceedance	732	952	1,744	1,400	1,746	1,432	1,100	1,076	957	2,117	1,566	1,555
90% Exceedance	602	692	702	1,306	1,400	973	953	972	848	1,775	1,307	879
Full Simulation Period Average[a]	1,314	4,325	4,421	5,669	6,566	4,041	3,476	3,374	2,109	3,264	1,652	1,611
Wet Water Years (28%)	1,612	6,608	4,978	11,868	12,316	7,685	6,835	6,391	3,323	3,295	1,783	1,868
Above Normal Water Years (14%)	1,488	3,803	4,101	7,092	7,638	5,018	3,312	3,268	2,326	4,501	1,747	1,747
Below Normal Water Years (18%)	1,407	3,329	4,841	3,409	4,699	2,801	2,851	2,586	1,787	4,110	1,879	1,721
Dry Water Years (24%)	1,192	4,428	5,602	2,121	3,759	2,058	1,795	1,892	1,463	2,801	1,587	1,528
Critical Water Years (16%)	666	1,616	1,306	1,440	1,877	1,179	970	1,298	1,128	1,868	1,179	1,047

Table F.2.2-12-5c. American River below Nimbus Dam Flow, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-894	3,020	453	29	30	28	34	44	-265	-237	-1,534	-1,075
20% Exceedance	-251	3,597	302	1,141	468	418	33	47	-1,023	-279	-1,076	-814
30% Exceedance	-79	2,849	761	613	411	29	61	96	-919	-226	-886	-268
40% Exceedance	0	2,075	750	224	519	-38	-340	-622	-1,187	-416	-587	0
50% Exceedance	0	1,623	443	480	592	-344	-510	-906	-1,202	-155	-408	0
60% Exceedance	-22	652	0	653	292	0	-114	-416	-836	-312	-169	-8
70% Exceedance	-102	673	90	245	342	7	-54	-272	-669	-73	-147	0
80% Exceedance	-30	-88	597	0	270	0	-69	-193	-572	-88	-109	7
90% Exceedance	-15	-10	13	561	0	20	0	-84	-158	46	-238	-38
Full Simulation Period Average[a]	-186	1,713	444	355	249	19	-74	-208	-732	-177	-633	-257
Wet Water Years (28%)	-258	2,541	124	240	32	26	31	33	-341	-337	-1,021	-646
Above Normal Water Years (14%)	-404	1,385	762	574	175	53	17	-56	-985	-117	-513	-536
Below Normal Water Years (18%)	-170	1,318	729	483	344	20	29	-361	-991	-447	-570	-29
Dry Water Years (24%)	-35	2,152	434	453	562	-19	-377	-600	-1,134	-108	-381	-2
Critical Water Years (16%)	-95	269	396	72	118	30	0	-4	-297	255	-510	31

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-6a. American River below Nimbus Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,841	4,003	11,418	12,478	13,844	12,885	10,336	9,606	4,240	1,665	1,861	2,111
20% Exceedance	1,486	2,442	6,294	9,792	11,048	9,178	8,559	7,269	2,887	1,528	1,750	1,821
30% Exceedance	1,301	1,813	4,219	6,629	7,832	7,753	7,093	5,656	2,357	1,413	1,500	1,610
40% Exceedance	1,167	1,529	3,730	4,314	6,260	6,176	5,433	4,074	1,969	1,289	1,346	1,539
50% Exceedance	1,048	1,412	2,910	3,546	4,572	5,244	4,391	2,823	1,814	1,196	1,153	1,408
60% Exceedance	905	1,202	2,337	2,578	3,547	4,385	3,140	2,135	1,540	1,043	1,081	1,268
70% Exceedance	661	1,110	1,864	1,931	2,681	3,108	2,579	1,686	1,395	945	995	1,160
80% Exceedance	527	1,007	1,627	1,326	2,090	2,387	1,969	953	1,180	864	907	1,046
90% Exceedance	398	821	1,401	885	1,576	1,772	1,212	610	962	742	711	847
Full Simulation Period Average[a]	1,185	2,071	4,684	5,779	6,710	6,322	5,382	4,119	2,226	1,209	1,257	1,447
Wet Water Years (28%)	1,470	2,689	4,881	11,848	12,341	10,647	9,223	7,377	3,495	1,421	1,517	1,993
Above Normal Water Years (14%)	1,331	1,906	4,284	7,529	7,650	7,924	5,628	4,305	2,241	1,146	1,348	1,529
Below Normal Water Years (18%)	1,304	1,740	4,999	3,712	4,770	5,274	5,005	3,216	2,040	1,272	1,350	1,424
Dry Water Years (24%)	1,136	2,394	5,714	2,211	4,059	4,004	3,646	2,748	1,579	1,142	1,078	1,228
Critical Water Years (16%)	442	965	2,692	1,305	2,191	2,004	1,472	1,329	1,169	926	886	773

Table F.2.2-12-6b. American River below Nimbus Dam Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,238	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,105	4,851	3,280	2,872
20% Exceedance	1,802	3,846	5,126	8,479	10,570	6,051	5,981	5,859	4,087	4,515	2,861	2,490
30% Exceedance	1,589	2,994	3,251	6,266	7,718	4,757	4,198	4,348	3,501	4,084	2,662	2,036
40% Exceedance	1,524	2,402	2,193	4,175	5,782	3,232	3,305	3,262	3,002	3,781	2,391	1,750
50% Exceedance	1,500	2,000	2,000	2,575	4,242	2,717	2,615	2,809	2,799	3,410	2,134	1,750
60% Exceedance	1,469	1,862	2,000	1,469	3,027	1,750	1,871	2,041	2,405	3,156	1,885	1,686
70% Exceedance	991	1,175	1,569	1,400	2,003	1,602	1,500	1,504	2,058	2,631	1,750	1,608
80% Exceedance	703	760	955	1,302	1,400	981	1,132	1,275	1,535	2,276	1,566	1,390
90% Exceedance	561	628	634	528	1,305	953	953	1,006	1,070	1,668	1,273	730
Full Simulation Period Average[a]	1,453	2,585	3,929	5,278	6,346	4,032	3,713	3,633	2,905	3,354	2,233	1,850
Wet Water Years (28%)	1,896	4,111	4,855	11,650	12,283	7,659	6,803	6,359	3,695	3,542	2,770	2,537
Above Normal Water Years (14%)	1,974	2,405	3,317	6,765	7,489	4,981	3,293	3,393	3,442	4,315	2,309	2,345
Below Normal Water Years (18%)	1,415	2,023	4,201	2,788	4,574	2,731	2,769	3,100	2,794	4,258	2,545	1,724
Dry Water Years (24%)	1,150	2,265	4,987	1,568	3,265	1,980	2,254	2,785	2,527	3,078	1,924	1,469
Critical Water Years (16%)	638	1,099	795	1,192	1,571	1,394	1,923	945	1,748	1,579	1,338	930

Table F.2.2-12-6c. American River below Nimbus Dam Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	397	902	-482	460	-35	-3,104	-2,500	-1,215	865	3,186	1,419	761
20% Exceedance	316	1,405	-1,168	-1,314	-478	-3,128	-2,578	-1,410	1,200	2,986	1,111	669
30% Exceedance	288	1,181	-968	-363	-114	-2,996	-2,895	-1,308	1,144	2,671	1,162	426
40% Exceedance	357	873	-1,537	-139	-478	-2,943	-2,128	-812	1,033	2,493	1,045	211
50% Exceedance	452	588	-910	-970	-330	-2,527	-1,776	-13	985	2,214	981	342
60% Exceedance	564	660	-337	-1,109	-520	-2,635	-1,269	-94	865	2,113	803	418
70% Exceedance	330	66	-295	-531	-678	-1,506	-1,079	-182	663	1,686	755	447
80% Exceedance	176	-246	-672	-24	-690	-1,406	-837	322	355	1,412	659	344
90% Exceedance	163	-193	-767	-357	-272	-819	-260	395	109	926	563	-117
Full Simulation Period Average[a]	268	513	-755	-501	-364	-2,290	-1,669	-486	680	2,144	976	404
Wet Water Years (28%)	426	1,423	-26	-198	-58	-2,988	-2,420	-1,018	199	2,121	1,253	544
Above Normal Water Years (14%)	643	498	-967	-765	-161	-2,943	-2,336	-912	1,201	3,169	962	816
Below Normal Water Years (18%)	112	283	-797	-924	-196	-2,543	-2,236	-116	754	2,986	1,196	300
Dry Water Years (24%)	14	-128	-727	-643	-793	-2,024	-1,392	37	948	1,936	845	241
Critical Water Years (16%)	195	134	-1,897	-113	-620	-611	451	-385	579	653	452	157

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-7a. American River below Nimbus Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,841	4,003	11,418	12,478	13,844	12,885	10,336	9,606	4,240	1,665	1,861	2,111
20% Exceedance	1,486	2,442	6,294	9,792	11,048	9,178	8,559	7,269	2,887	1,528	1,750	1,821
30% Exceedance	1,301	1,813	4,219	6,629	7,832	7,753	7,093	5,656	2,357	1,413	1,500	1,610
40% Exceedance	1,167	1,529	3,730	4,314	6,260	6,176	5,433	4,074	1,969	1,289	1,346	1,539
50% Exceedance	1,048	1,412	2,910	3,546	4,572	5,244	4,391	2,823	1,814	1,196	1,153	1,408
60% Exceedance	905	1,202	2,337	2,578	3,547	4,385	3,140	2,135	1,540	1,043	1,081	1,268
70% Exceedance	661	1,110	1,864	1,931	2,681	3,108	2,579	1,686	1,395	945	995	1,160
80% Exceedance	527	1,007	1,627	1,326	2,090	2,387	1,969	953	1,180	864	907	1,046
90% Exceedance	398	821	1,401	885	1,576	1,772	1,212	610	962	742	711	847
Full Simulation Period Average[a]	1,185	2,071	4,684	5,779	6,710	6,322	5,382	4,119	2,226	1,209	1,257	1,447
Wet Water Years (28%)	1,470	2,689	4,881	11,848	12,341	10,647	9,223	7,377	3,495	1,421	1,517	1,993
Above Normal Water Years (14%)	1,331	1,906	4,284	7,529	7,650	7,924	5,628	4,305	2,241	1,146	1,348	1,529
Below Normal Water Years (18%)	1,304	1,740	4,999	3,712	4,770	5,274	5,005	3,216	2,040	1,272	1,350	1,424
Dry Water Years (24%)	1,136	2,394	5,714	2,211	4,059	4,004	3,646	2,748	1,579	1,142	1,078	1,228
Critical Water Years (16%)	442	965	2,692	1,305	2,191	2,004	1,472	1,329	1,169	926	886	773

Table F.2.2-12-7b. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,298	4,857	10,939	12,928	13,808	9,775	7,815	8,371	4,976	5,002	3,280	2,845
20% Exceedance	1,723	3,750	5,120	8,677	10,594	6,092	6,001	5,886	3,969	4,486	2,814	2,518
30% Exceedance	1,578	3,299	3,177	6,211	7,443	4,750	4,140	4,150	3,373	4,075	2,563	2,076
40% Exceedance	1,500	2,323	2,181	4,245	5,761	3,226	3,293	3,190	3,030	3,720	2,401	1,750
50% Exceedance	1,500	2,000	2,000	2,722	4,171	2,766	2,395	2,578	2,794	3,415	2,138	1,750
60% Exceedance	1,469	1,804	2,000	1,451	3,190	1,750	1,634	1,867	2,454	3,071	1,830	1,708
70% Exceedance	942	1,175	1,568	1,400	1,909	1,602	1,500	1,500	2,006	2,525	1,750	1,621
80% Exceedance	656	746	907	1,302	1,400	981	1,078	1,250	1,531	2,211	1,571	1,499
90% Exceedance	561	628	634	531	1,305	953	953	1,006	1,143	1,689	1,250	734
Full Simulation Period Average[a]	1,438	2,560	3,912	5,305	6,343	4,035	3,658	3,567	2,884	3,352	2,228	1,865
Wet Water Years (28%)	1,889	4,132	4,842	11,642	12,292	7,657	6,804	6,314	3,660	3,525	2,727	2,535
Above Normal Water Years (14%)	1,908	2,425	3,308	6,827	7,530	4,978	3,274	3,301	3,356	4,393	2,169	2,373
Below Normal Water Years (18%)	1,445	2,056	4,161	2,729	4,429	2,758	2,739	2,983	2,767	4,204	2,566	1,731
Dry Water Years (24%)	1,132	2,149	4,984	1,558	3,329	2,003	2,165	2,705	2,565	3,064	1,959	1,484
Critical Water Years (16%)	610	1,026	763	1,401	1,567	1,358	1,762	944	1,725	1,611	1,428	968

Table F.2.2-12-7c. American River below Nimbus Dam Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	457	854	-479	450	-36	-3,110	-2,521	-1,235	736	3,337	1,419	734
20% Exceedance	237	1,309	-1,174	-1,115	-455	-3,087	-2,558	-1,383	1,082	2,958	1,065	698
30% Exceedance	277	1,486	-1,043	-418	-389	-3,003	-2,953	-1,506	1,016	2,662	1,063	466
40% Exceedance	333	794	-1,549	-68	-500	-2,950	-2,141	-884	1,062	2,431	1,055	211
50% Exceedance	452	588	-910	-824	-400	-2,478	-1,996	-245	980	2,219	985	342
60% Exceedance	564	602	-337	-1,127	-357	-2,635	-1,507	-268	914	2,028	749	440
70% Exceedance	281	66	-296	-531	-772	-1,505	-1,079	-186	610	1,580	755	461
80% Exceedance	129	-260	-719	-24	-690	-1,406	-890	297	352	1,348	664	453
90% Exceedance	163	-193	-767	-355	-272	-819	-260	395	182	947	540	-114
Full Simulation Period Average[a]	253	489	-773	-474	-367	-2,286	-1,724	-552	658	2,143	971	418
Wet Water Years (28%)	419	1,443	-39	-205	-49	-2,990	-2,419	-1,062	164	2,104	1,210	542
Above Normal Water Years (14%)	577	519	-976	-702	-120	-2,946	-2,355	-1,005	1,114	3,247	821	844
Below Normal Water Years (18%)	141	316	-837	-983	-342	-2,516	-2,266	-233	728	2,933	1,216	307
Dry Water Years (24%)	-4	-245	-730	-652	-730	-2,001	-1,480	-43	986	1,922	880	256
Critical Water Years (16%)	168	61	-1,928	96	-624	-646	291	-385	556	685	543	195

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-8a. American River below Nimbus Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,841	4,003	11,418	12,478	13,844	12,885	10,336	9,606	4,240	1,665	1,861	2,111
20% Exceedance	1,486	2,442	6,294	9,792	11,048	9,178	8,559	7,269	2,887	1,528	1,750	1,821
30% Exceedance	1,301	1,813	4,219	6,629	7,832	7,753	7,093	5,656	2,357	1,413	1,500	1,610
40% Exceedance	1,167	1,529	3,730	4,314	6,260	6,176	5,433	4,074	1,969	1,289	1,346	1,539
50% Exceedance	1,048	1,412	2,910	3,546	4,572	5,244	4,391	2,823	1,814	1,196	1,153	1,408
60% Exceedance	905	1,202	2,337	2,578	3,547	4,385	3,140	2,135	1,540	1,043	1,081	1,268
70% Exceedance	661	1,110	1,864	1,931	2,681	3,108	2,579	1,686	1,395	945	995	1,160
80% Exceedance	527	1,007	1,627	1,326	2,090	2,387	1,969	953	1,180	864	907	1,046
90% Exceedance	398	821	1,401	885	1,576	1,772	1,212	610	962	742	711	847
Full Simulation Period Average[a]	1,185	2,071	4,684	5,779	6,710	6,322	5,382	4,119	2,226	1,209	1,257	1,447
Wet Water Years (28%)	1,470	2,689	4,881	11,848	12,341	10,647	9,223	7,377	3,495	1,421	1,517	1,993
Above Normal Water Years (14%)	1,331	1,906	4,284	7,529	7,650	7,924	5,628	4,305	2,241	1,146	1,348	1,529
Below Normal Water Years (18%)	1,304	1,740	4,999	3,712	4,770	5,274	5,005	3,216	2,040	1,272	1,350	1,424
Dry Water Years (24%)	1,136	2,394	5,714	2,211	4,059	4,004	3,646	2,748	1,579	1,142	1,078	1,228
Critical Water Years (16%)	442	965	2,692	1,305	2,191	2,004	1,472	1,329	1,169	926	886	773

Table F.2.2-12-8b. American River below Nimbus Dam Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,366	4,716	11,176	12,904	13,806	9,774	7,839	8,382	4,964	5,263	3,221	2,845
20% Exceedance	1,733	3,884	5,114	8,806	10,909	6,146	6,012	6,009	3,864	4,475	2,816	2,448
30% Exceedance	1,578	3,097	3,231	6,226	7,443	4,782	4,226	4,157	3,362	4,052	2,433	2,076
40% Exceedance	1,500	2,631	2,224	4,169	5,754	3,265	3,396	3,235	3,042	3,664	2,262	1,750
50% Exceedance	1,500	2,000	2,000	2,722	4,149	2,809	2,611	2,652	2,843	3,300	1,966	1,733
60% Exceedance	1,463	1,859	2,000	1,521	3,074	1,800	1,660	1,887	2,432	2,935	1,777	1,694
70% Exceedance	991	1,175	1,682	1,400	2,061	1,677	1,498	1,550	2,089	2,485	1,734	1,621
80% Exceedance	691	760	907	1,380	1,400	1,082	1,147	1,385	1,534	2,210	1,578	1,503
90% Exceedance	561	628	634	531	1,270	1,010	1,056	1,121	1,208	1,721	1,233	727
Full Simulation Period Average[a]	1,453	2,616	3,944	5,310	6,343	4,097	3,722	3,621	2,887	3,310	2,159	1,852
Wet Water Years (28%)	1,879	4,121	4,841	11,607	12,293	7,675	6,809	6,334	3,659	3,540	2,721	2,522
Above Normal Water Years (14%)	1,950	2,415	3,331	6,908	7,525	5,029	3,325	3,366	3,396	4,297	2,103	2,259
Below Normal Water Years (18%)	1,465	2,065	4,196	2,740	4,401	2,826	2,827	2,972	2,789	4,181	2,408	1,797
Dry Water Years (24%)	1,140	2,379	5,076	1,582	3,389	2,116	2,274	2,775	2,534	2,934	1,863	1,464
Critical Water Years (16%)	646	1,048	772	1,374	1,512	1,419	1,844	1,098	1,730	1,625	1,389	966

Table F.2.2-12-8c. American River below Nimbus Dam Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	525	712	-242	426	-38	-3,111	-2,497	-1,223	724	3,598	1,360	734
20% Exceedance	247	1,442	-1,181	-986	-139	-3,032	-2,547	-1,260	976	2,947	1,066	627
30% Exceedance	277	1,284	-989	-403	-389	-2,971	-2,867	-1,500	1,005	2,640	933	466
40% Exceedance	333	1,102	-1,506	-144	-507	-2,910	-2,037	-839	1,074	2,376	916	211
50% Exceedance	452	588	-910	-824	-423	-2,435	-1,780	-171	1,028	2,104	813	325
60% Exceedance	558	657	-337	-1,057	-473	-2,586	-1,480	-248	893	1,892	696	425
70% Exceedance	330	66	-181	-531	-620	-1,431	-1,081	-137	694	1,540	738	461
80% Exceedance	165	-246	-719	54	-690	-1,305	-822	432	354	1,346	671	457
90% Exceedance	163	-193	-767	-355	-306	-761	-156	511	246	979	522	-120
Full Simulation Period Average[a]	268	545	-740	-469	-367	-2,225	-1,660	-498	662	2,100	902	405
Wet Water Years (28%)	409	1,432	-40	-240	-48	-2,972	-2,414	-1,043	164	2,119	1,204	529
Above Normal Water Years (14%)	619	509	-953	-622	-125	-2,895	-2,303	-939	1,154	3,151	755	730
Below Normal Water Years (18%)	162	324	-803	-972	-369	-2,448	-2,178	-245	750	2,909	1,058	373
Dry Water Years (24%)	4	-14	-638	-629	-670	-1,888	-1,371	27	955	1,792	785	236
Critical Water Years (16%)	204	83	-1,920	69	-680	-585	372	-231	561	699	503	192

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-9a. American River below Nimbus Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,841	4,003	11,418	12,478	13,844	12,885	10,336	9,606	4,240	1,665	1,861	2,111
20% Exceedance	1,486	2,442	6,294	9,792	11,048	9,178	8,559	7,269	2,887	1,528	1,750	1,821
30% Exceedance	1,301	1,813	4,219	6,629	7,832	7,753	7,093	5,656	2,357	1,413	1,500	1,610
40% Exceedance	1,167	1,529	3,730	4,314	6,260	6,176	5,433	4,074	1,969	1,289	1,346	1,539
50% Exceedance	1,048	1,412	2,910	3,546	4,572	5,244	4,391	2,823	1,814	1,196	1,153	1,408
60% Exceedance	905	1,202	2,337	2,578	3,547	4,385	3,140	2,135	1,540	1,043	1,081	1,268
70% Exceedance	661	1,110	1,864	1,931	2,681	3,108	2,579	1,686	1,395	945	995	1,160
80% Exceedance	527	1,007	1,627	1,326	2,090	2,387	1,969	953	1,180	864	907	1,046
90% Exceedance	398	821	1,401	885	1,576	1,772	1,212	610	962	742	711	847
Full Simulation Period Average[a]	1,185	2,071	4,684	5,779	6,710	6,322	5,382	4,119	2,226	1,209	1,257	1,447
Wet Water Years (28%)	1,470	2,689	4,881	11,848	12,341	10,647	9,223	7,377	3,495	1,421	1,517	1,993
Above Normal Water Years (14%)	1,331	1,906	4,284	7,529	7,650	7,924	5,628	4,305	2,241	1,146	1,348	1,529
Below Normal Water Years (18%)	1,304	1,740	4,999	3,712	4,770	5,274	5,005	3,216	2,040	1,272	1,350	1,424
Dry Water Years (24%)	1,136	2,394	5,714	2,211	4,059	4,004	3,646	2,748	1,579	1,142	1,078	1,228
Critical Water Years (16%)	442	965	2,692	1,305	2,191	2,004	1,472	1,329	1,169	926	886	773

Table F.2.2-12-9b. American River below Nimbus Dam Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,384	4,905	10,936	12,938	13,809	9,782	7,836	8,391	5,108	4,860	3,264	2,869
20% Exceedance	1,841	3,833	5,126	8,627	10,570	6,051	5,981	6,014	4,014	4,651	2,850	2,494
30% Exceedance	1,630	2,995	3,253	6,266	7,330	4,639	4,015	4,411	3,301	4,096	2,707	1,961
40% Exceedance	1,524	2,287	2,228	4,175	5,784	3,125	3,254	3,298	2,970	3,781	2,441	1,750
50% Exceedance	1,500	2,000	2,000	2,731	4,245	2,393	2,186	2,849	2,742	3,424	2,170	1,750
60% Exceedance	1,469	1,890	2,000	1,536	3,067	1,750	1,500	2,075	2,321	3,175	1,920	1,686
70% Exceedance	942	1,175	1,784	1,400	2,109	1,602	1,151	1,542	2,013	2,603	1,775	1,608
80% Exceedance	698	823	1,113	1,396	1,400	953	953	1,426	1,546	2,319	1,677	1,416
90% Exceedance	581	646	636	691	1,305	953	921	1,006	1,027	1,728	1,375	730
Full Simulation Period Average[a]	1,471	2,592	3,977	5,343	6,349	3,976	3,541	3,685	2,859	3,391	2,261	1,848
Wet Water Years (28%)	1,895	4,116	4,858	11,650	12,284	7,659	6,803	6,359	3,689	3,541	2,767	2,536
Above Normal Water Years (14%)	1,963	2,406	3,314	6,792	7,491	4,981	3,292	3,393	3,453	4,307	2,330	2,347
Below Normal Water Years (18%)	1,505	2,000	4,182	2,855	4,567	2,731	2,770	3,084	2,795	4,274	2,558	1,724
Dry Water Years (24%)	1,148	2,253	4,987	1,569	3,274	1,979	2,238	2,783	2,524	3,087	1,919	1,469
Critical Water Years (16%)	662	1,189	1,132	1,500	1,581	1,046	870	1,293	1,461	1,787	1,495	918

Table F.2.2-12-9c. American River below Nimbus Dam Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	542	902	-482	460	-35	-3,104	-2,500	-1,215	868	3,195	1,404	758
20% Exceedance	355	1,392	-1,168	-1,166	-478	-3,127	-2,578	-1,255	1,127	3,123	1,100	673
30% Exceedance	330	1,182	-966	-363	-502	-3,114	-3,077	-1,246	944	2,684	1,207	351
40% Exceedance	358	758	-1,502	-138	-477	-3,051	-2,179	-776	1,001	2,492	1,095	211
50% Exceedance	452	588	-910	-814	-327	-2,850	-2,205	26	928	2,228	1,017	342
60% Exceedance	564	688	-337	-1,042	-479	-2,635	-1,640	-60	782	2,132	839	418
70% Exceedance	281	66	-80	-531	-572	-1,506	-1,428	-145	618	1,659	780	447
80% Exceedance	171	-184	-514	69	-690	-1,435	-1,016	473	366	1,455	770	370
90% Exceedance	182	-175	-766	-194	-272	-819	-292	395	66	985	665	-117
Full Simulation Period Average[a]	286	521	-707	-436	-361	-2,346	-1,841	-434	633	2,181	1,004	401
Wet Water Years (28%)	425	1,427	-23	-198	-58	-2,988	-2,420	-1,018	194	2,120	1,250	543
Above Normal Water Years (14%)	632	500	-970	-737	-159	-2,943	-2,336	-912	1,211	3,161	982	818
Below Normal Water Years (18%)	201	260	-816	-857	-203	-2,543	-2,235	-132	755	3,002	1,208	300
Dry Water Years (24%)	12	-141	-727	-642	-785	-2,025	-1,408	36	945	1,945	841	241
Critical Water Years (16%)	220	224	-1,559	196	-611	-959	-601	-36	292	861	609	144

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-12-10a. American River below Nimbus Dam Flow, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,841	4,003	11,418	12,478	13,844	12,885	10,336	9,606	4,240	1,665	1,861	2,111
20% Exceedance	1,486	2,442	6,294	9,792	11,048	9,178	8,559	7,269	2,887	1,528	1,750	1,821
30% Exceedance	1,301	1,813	4,219	6,629	7,832	7,753	7,093	5,656	2,357	1,413	1,500	1,610
40% Exceedance	1,167	1,529	3,730	4,314	6,260	6,176	5,433	4,074	1,969	1,289	1,346	1,539
50% Exceedance	1,048	1,412	2,910	3,546	4,572	5,244	4,391	2,823	1,814	1,196	1,153	1,408
60% Exceedance	905	1,202	2,337	2,578	3,547	4,385	3,140	2,135	1,540	1,043	1,081	1,268
70% Exceedance	661	1,110	1,864	1,931	2,681	3,108	2,579	1,686	1,395	945	995	1,160
80% Exceedance	527	1,007	1,627	1,326	2,090	2,387	1,969	953	1,180	864	907	1,046
90% Exceedance	398	821	1,401	885	1,576	1,772	1,212	610	962	742	711	847
Full Simulation Period Average[a]	1,185	2,071	4,684	5,779	6,710	6,322	5,382	4,119	2,226	1,209	1,257	1,447
Wet Water Years (28%)	1,470	2,689	4,881	11,848	12,341	10,647	9,223	7,377	3,495	1,421	1,517	1,993
Above Normal Water Years (14%)	1,331	1,906	4,284	7,529	7,650	7,924	5,628	4,305	2,241	1,146	1,348	1,529
Below Normal Water Years (18%)	1,304	1,740	4,999	3,712	4,770	5,274	5,005	3,216	2,040	1,272	1,350	1,424
Dry Water Years (24%)	1,136	2,394	5,714	2,211	4,059	4,004	3,646	2,748	1,579	1,142	1,078	1,228
Critical Water Years (16%)	442	965	2,692	1,305	2,191	2,004	1,472	1,329	1,169	926	886	773

Table F.2.2-12-10b. American River below Nimbus Dam Flow, NAA, 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

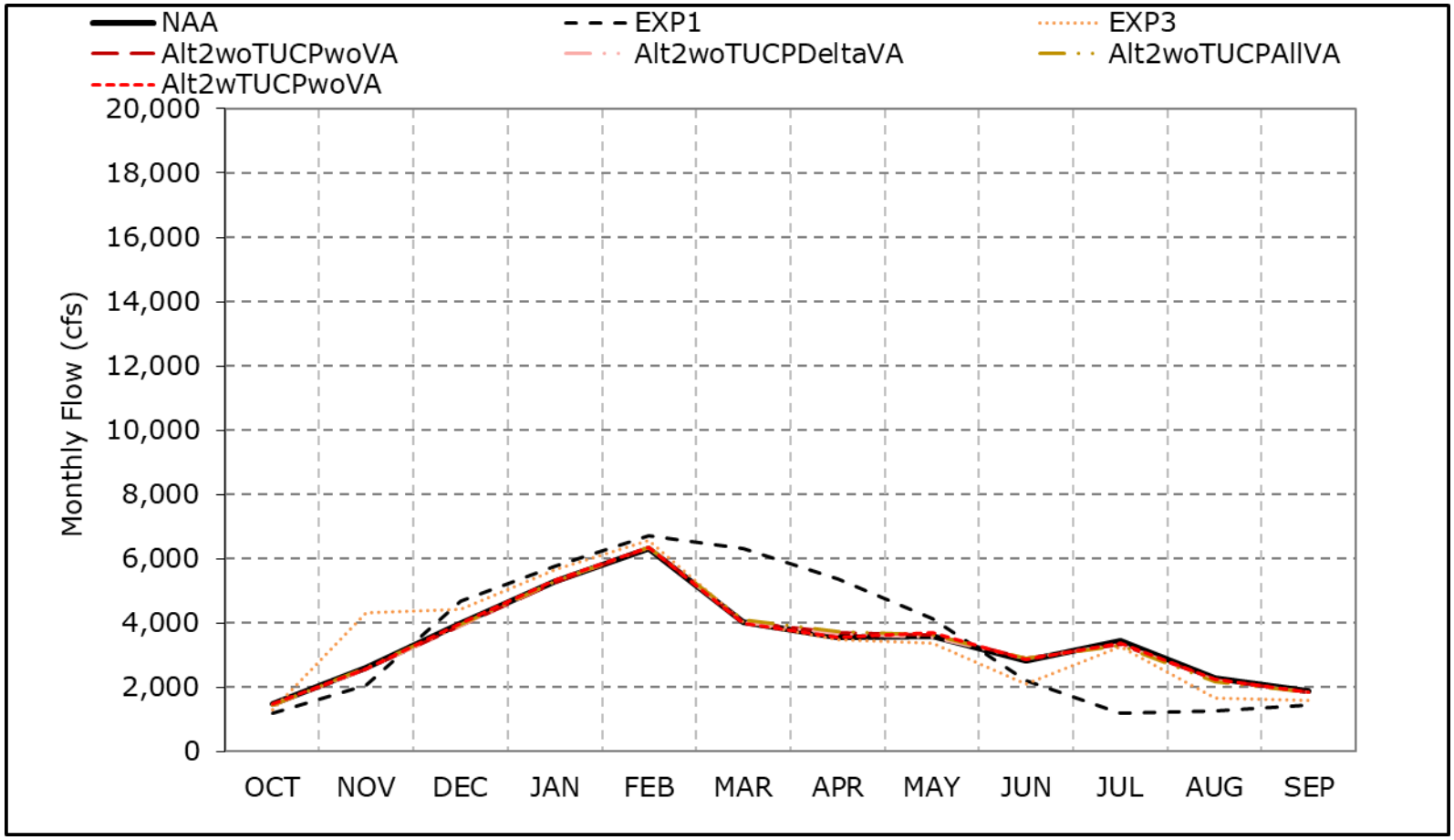
Table F.2.2-12-10c. American River below Nimbus Dam Flow, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	553	902	-452	460	-35	-3,104	-2,500	-1,215	768	3,780	1,454	714
20% Exceedance	265	1,318	-1,332	-1,500	-480	-3,515	-2,578	-1,262	1,053	3,373	1,076	743
30% Exceedance	278	1,088	-974	-621	-495	-3,114	-3,050	-1,433	916	2,883	1,136	408
40% Exceedance	333	819	-1,411	-341	-594	-3,051	-2,362	-941	973	2,554	992	211
50% Exceedance	452	588	-910	-814	-602	-2,738	-2,381	-405	907	2,087	1,005	342
60% Exceedance	595	775	-337	-863	-479	-2,635	-1,640	-271	789	1,893	838	460
70% Exceedance	481	217	47	-526	-862	-1,518	-1,309	-186	518	1,587	799	482
80% Exceedance	235	34	-480	74	-614	-955	-800	316	349	1,342	768	502
90% Exceedance	219	-119	-713	-140	-176	-819	-260	446	44	987	834	70
Full Simulation Period Average[a]	315	541	-707	-465	-393	-2,299	-1,831	-537	615	2,231	1,028	421
Wet Water Years (28%)	401	1,378	-28	-220	-58	-2,988	-2,420	-1,018	168	2,211	1,287	521
Above Normal Water Years (14%)	562	512	-945	-1,011	-187	-2,959	-2,333	-981	1,069	3,473	912	754
Below Normal Water Years (18%)	274	272	-887	-786	-415	-2,494	-2,183	-269	739	3,285	1,099	326
Dry Water Years (24%)	91	-117	-547	-543	-861	-1,928	-1,473	-256	1,018	1,768	890	301
Critical Water Years (16%)	318	383	-1,781	63	-432	-855	-502	-27	256	687	803	242

[a] Based on the 100-year simulation period.

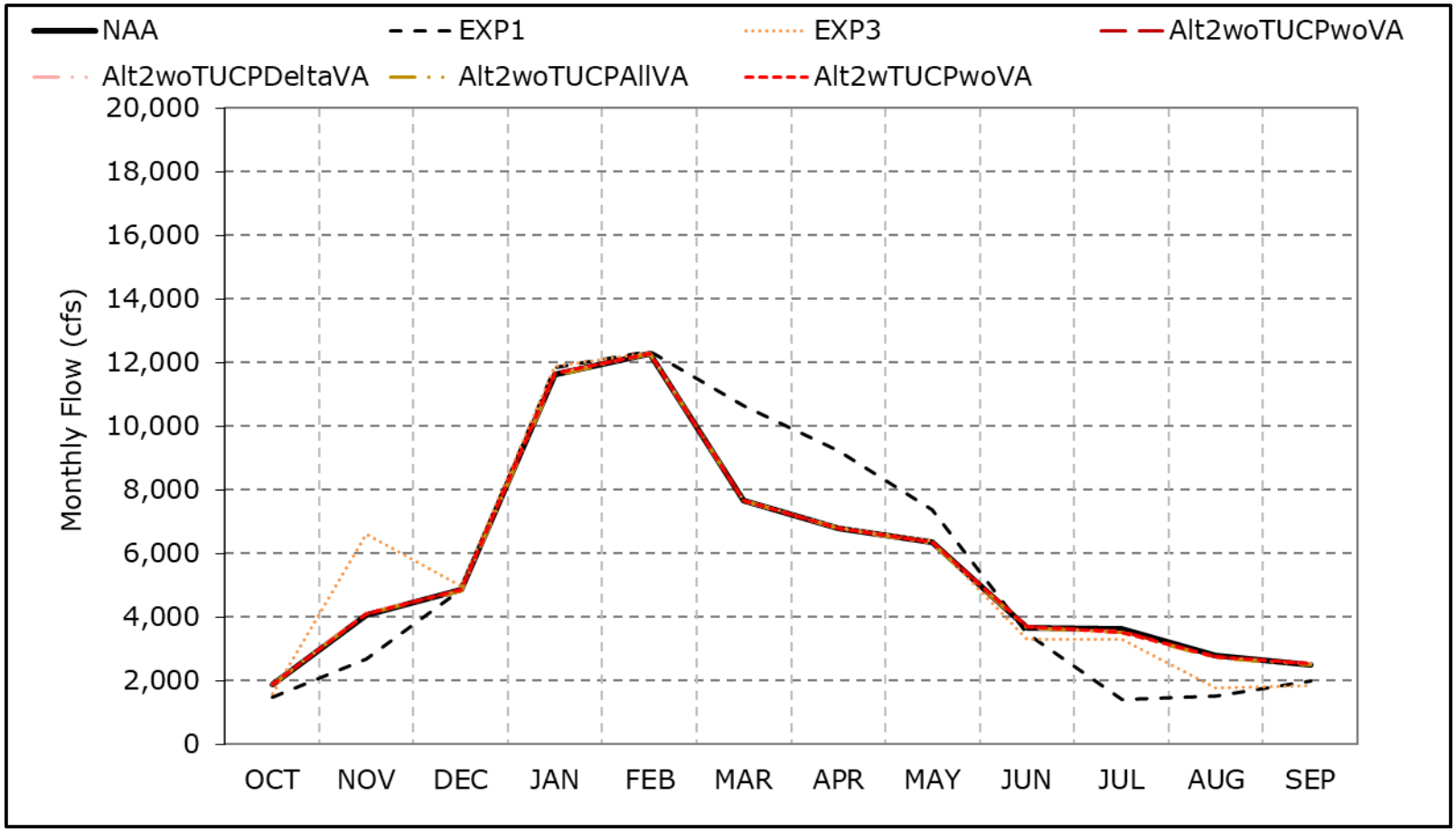
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

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



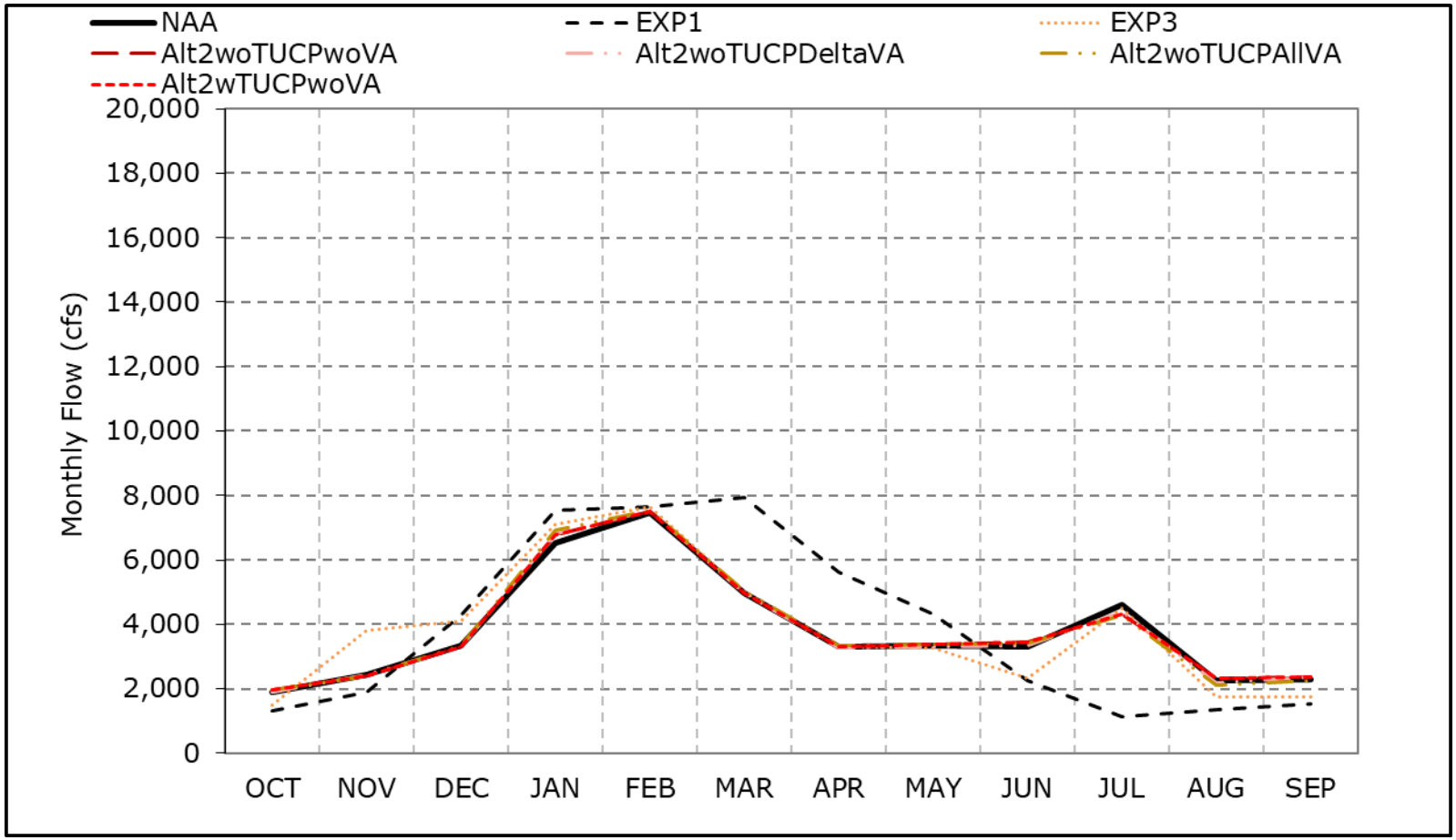
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



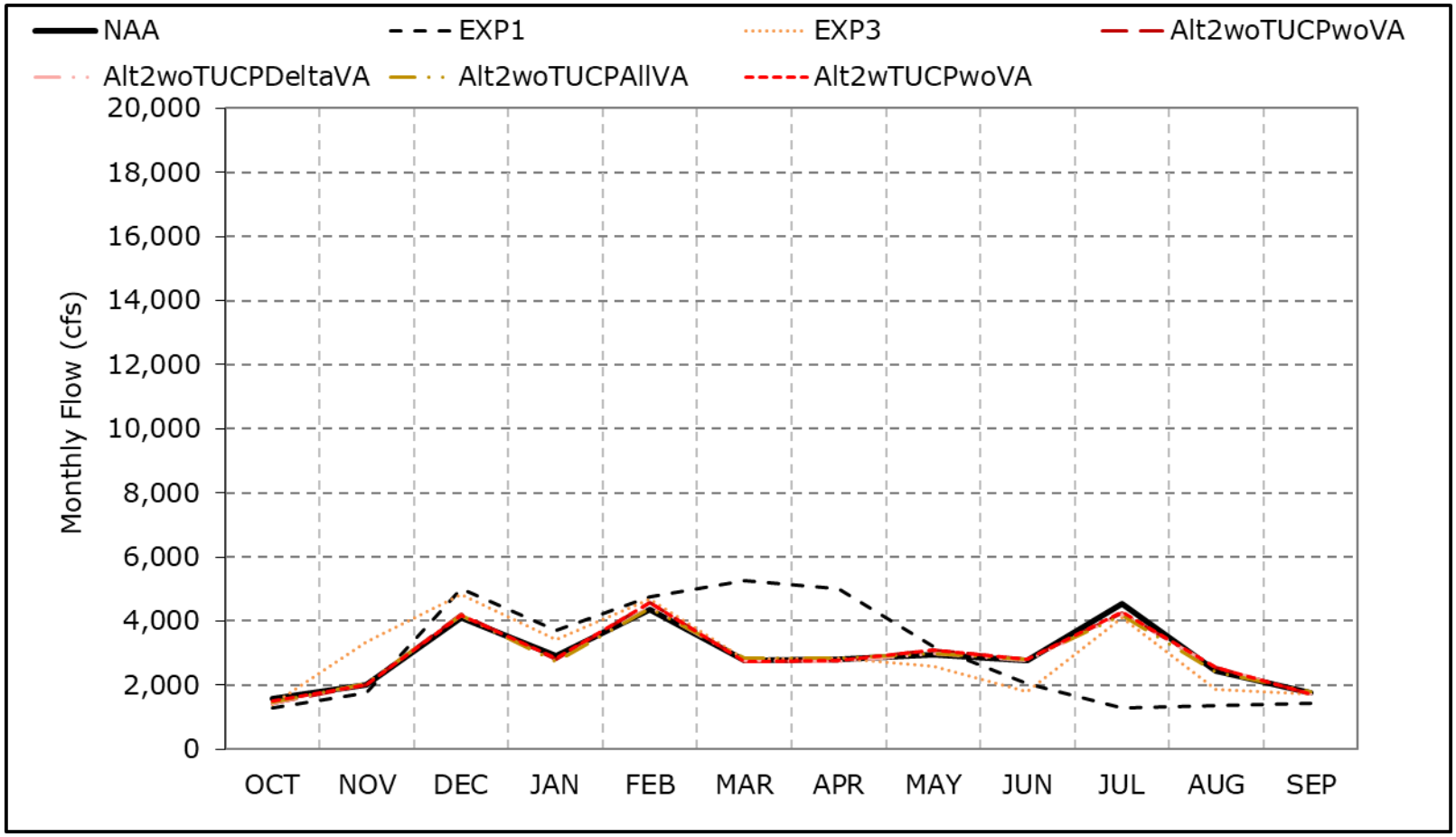
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



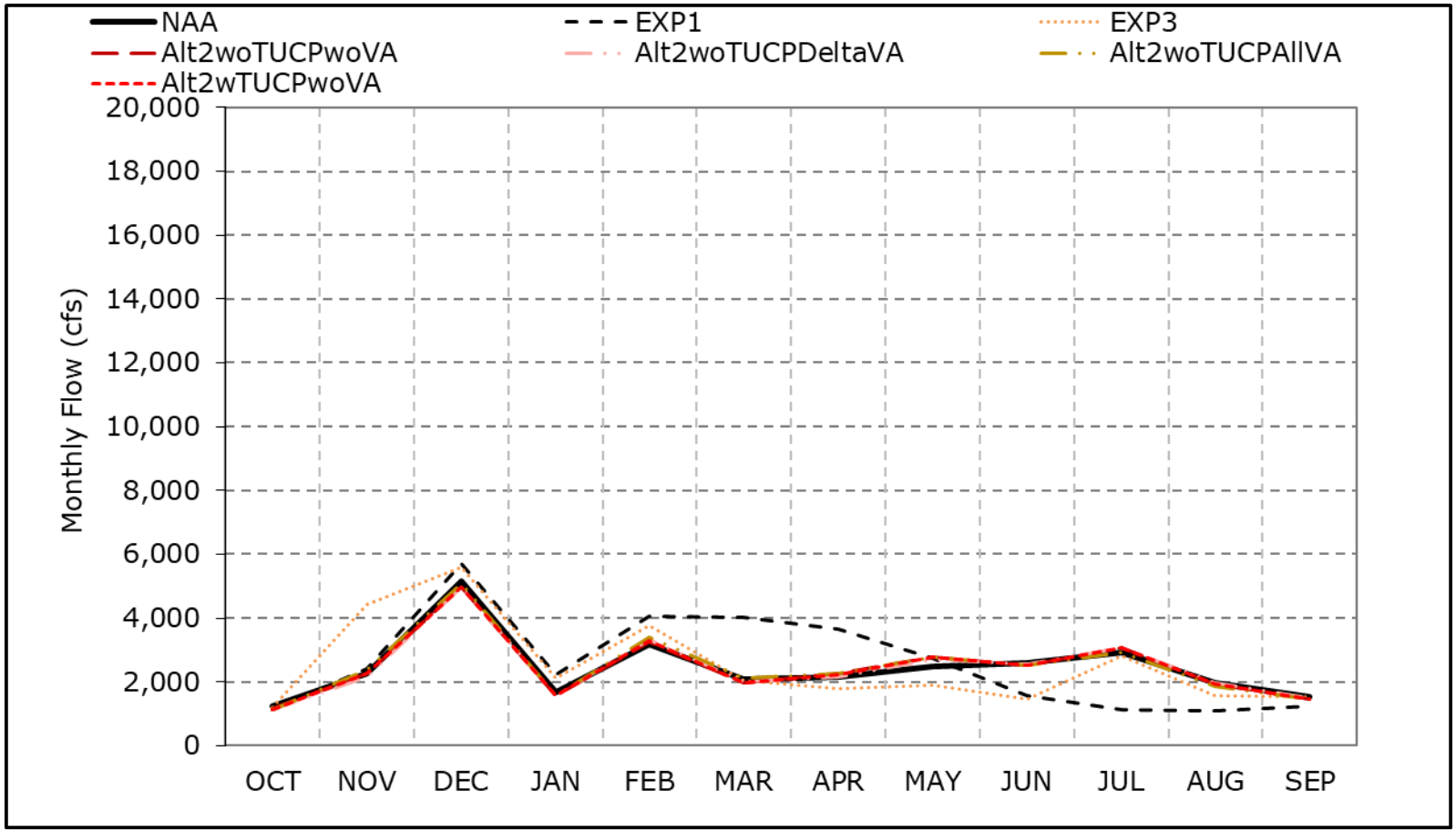
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



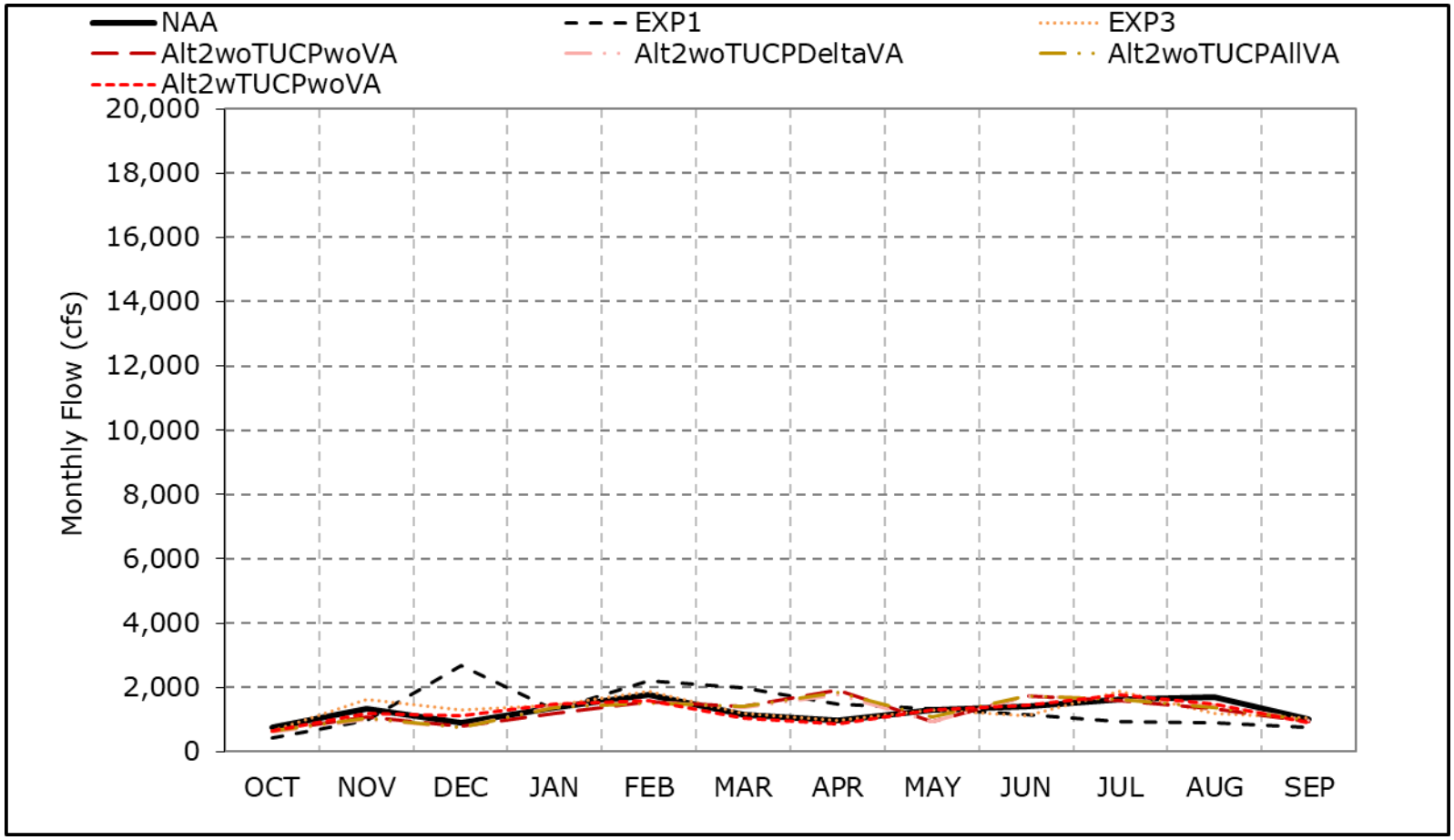
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



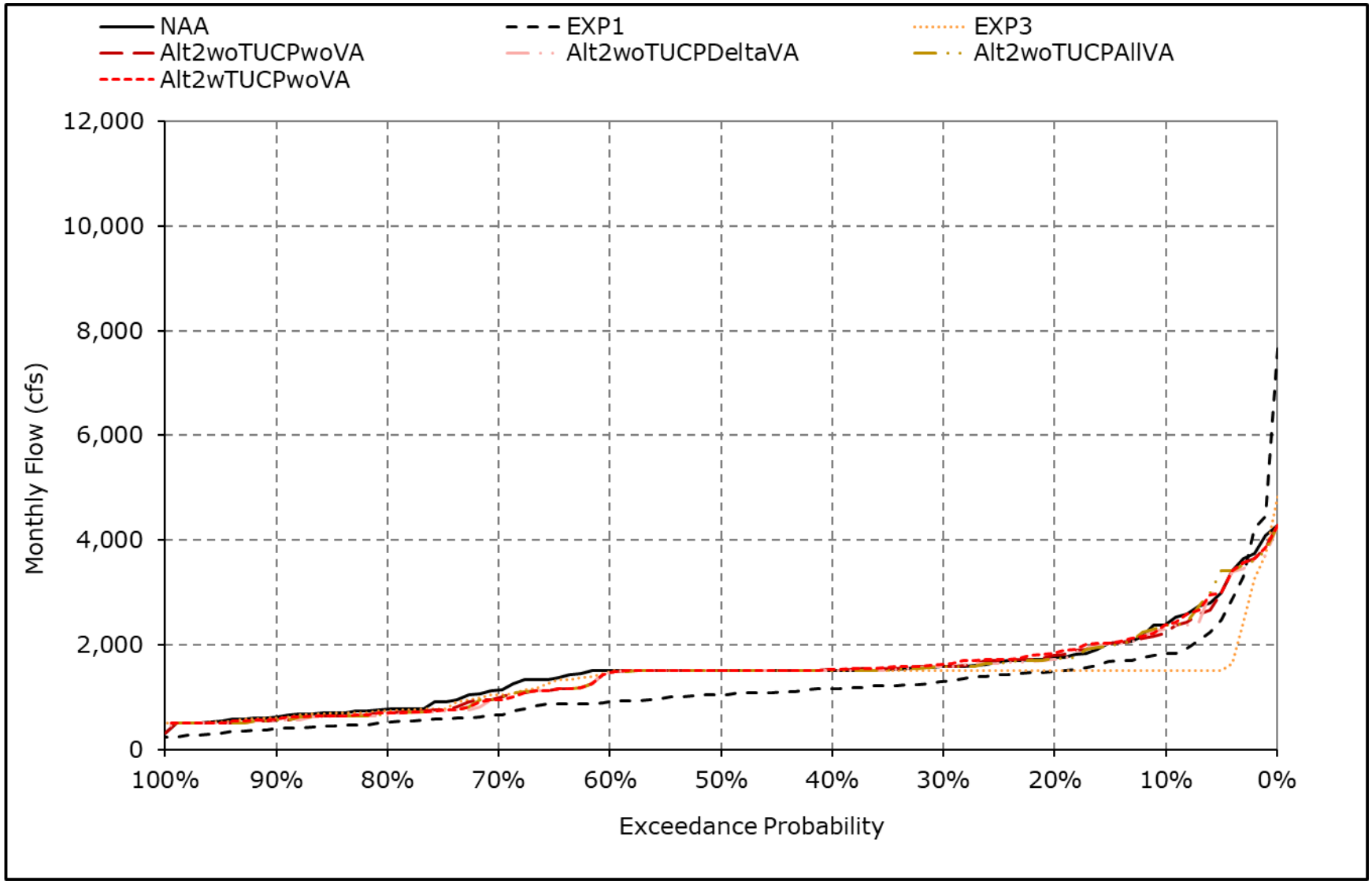
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



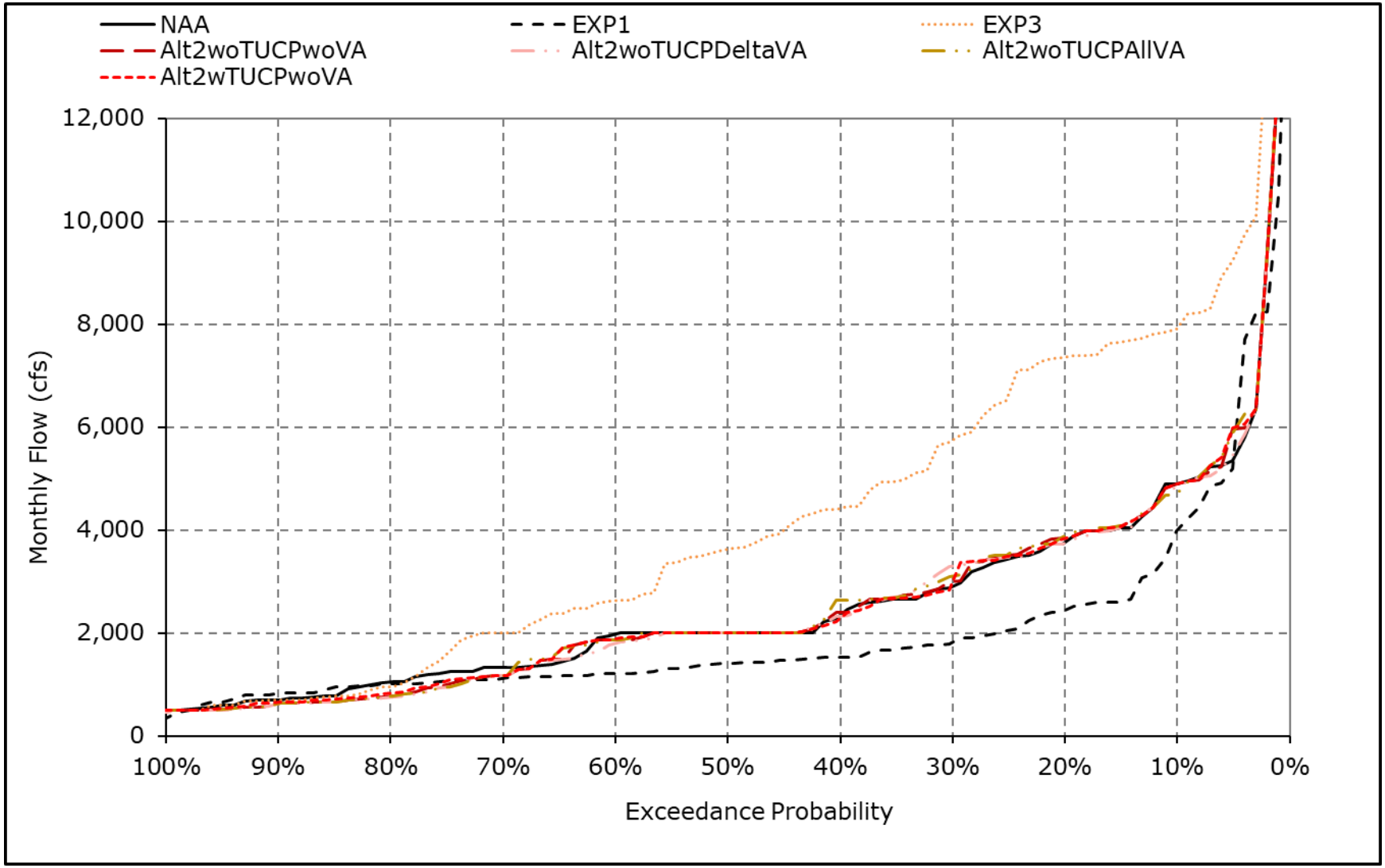
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



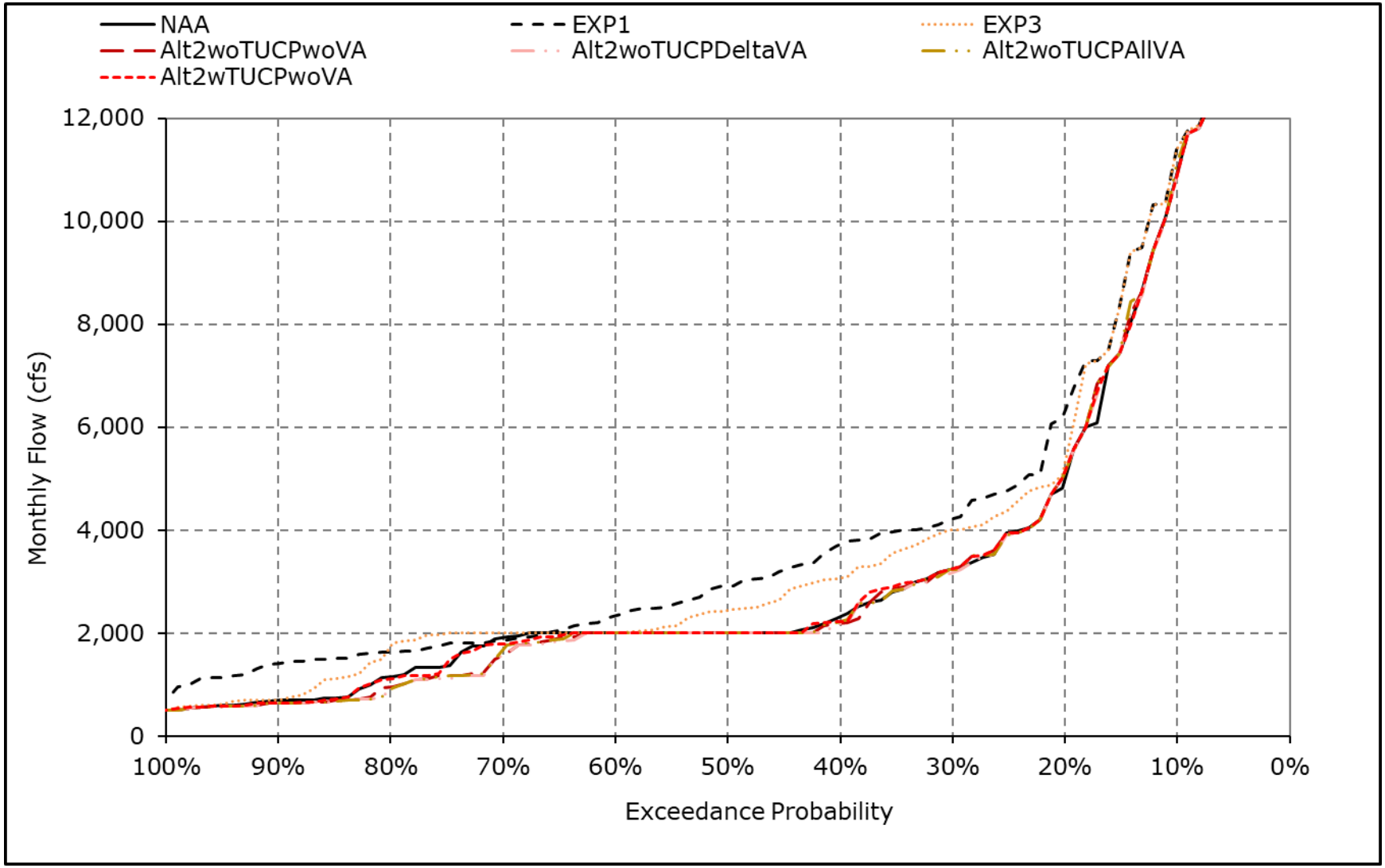
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



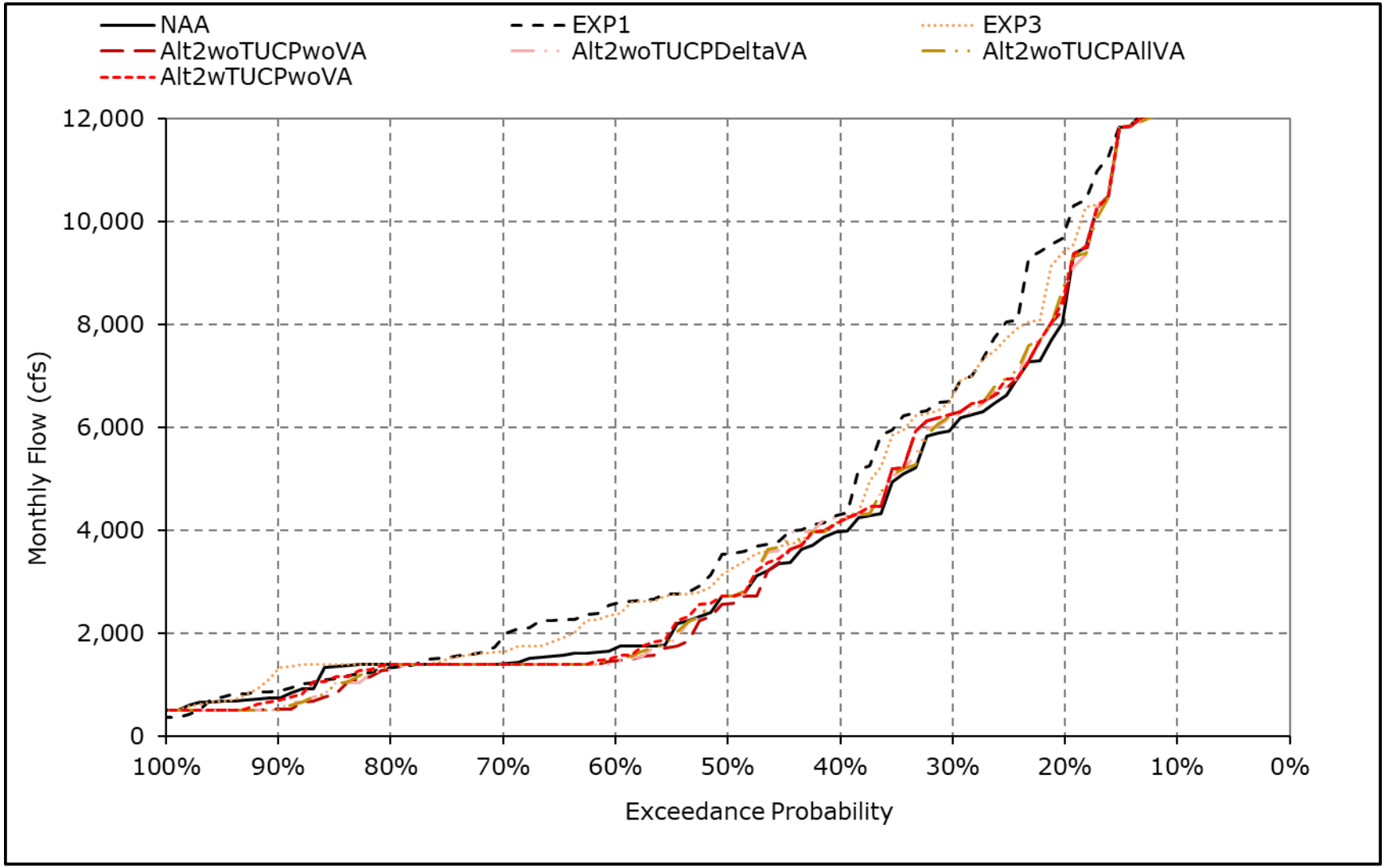
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



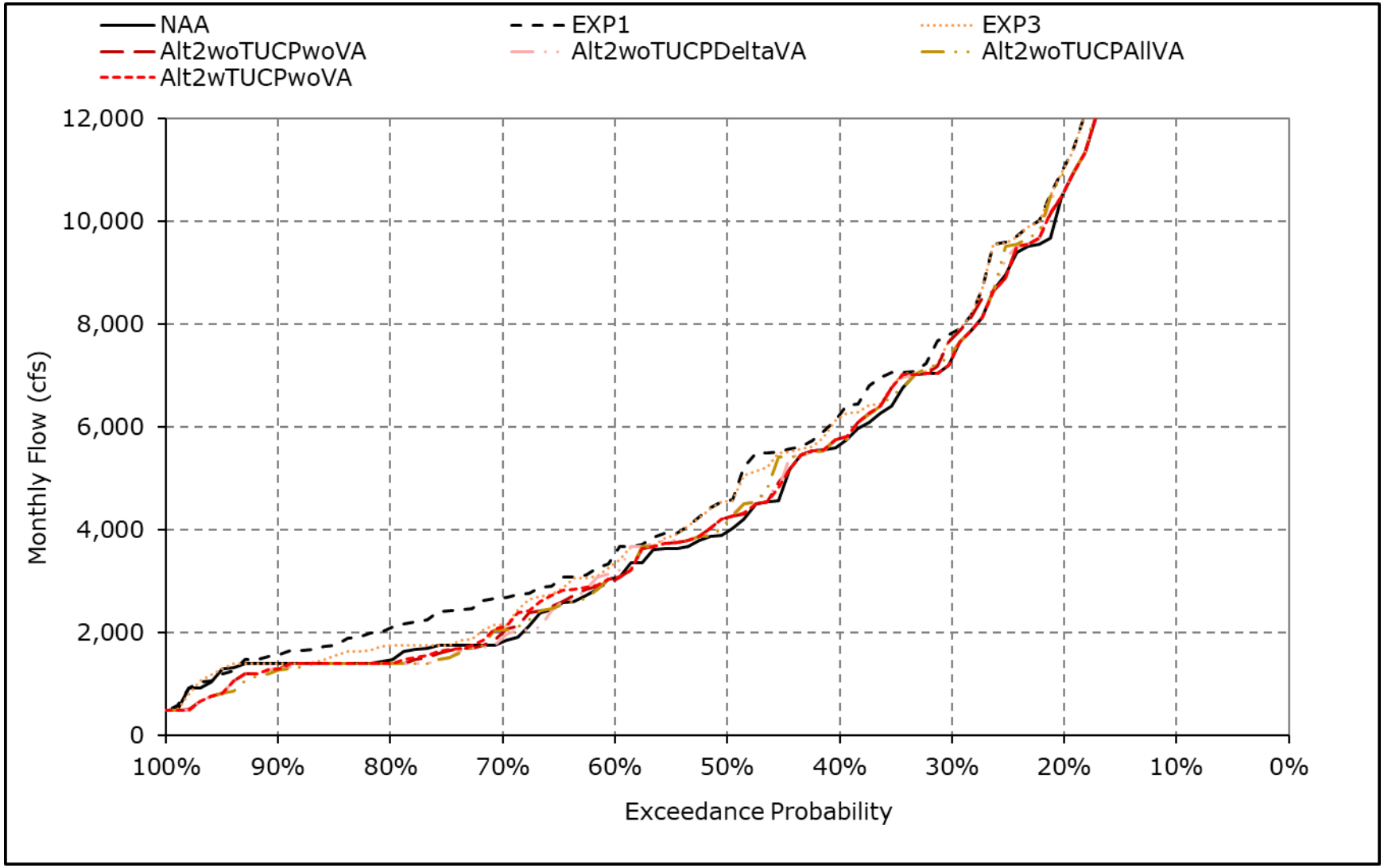
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-10. American River below Nimbus Dam Flow, January



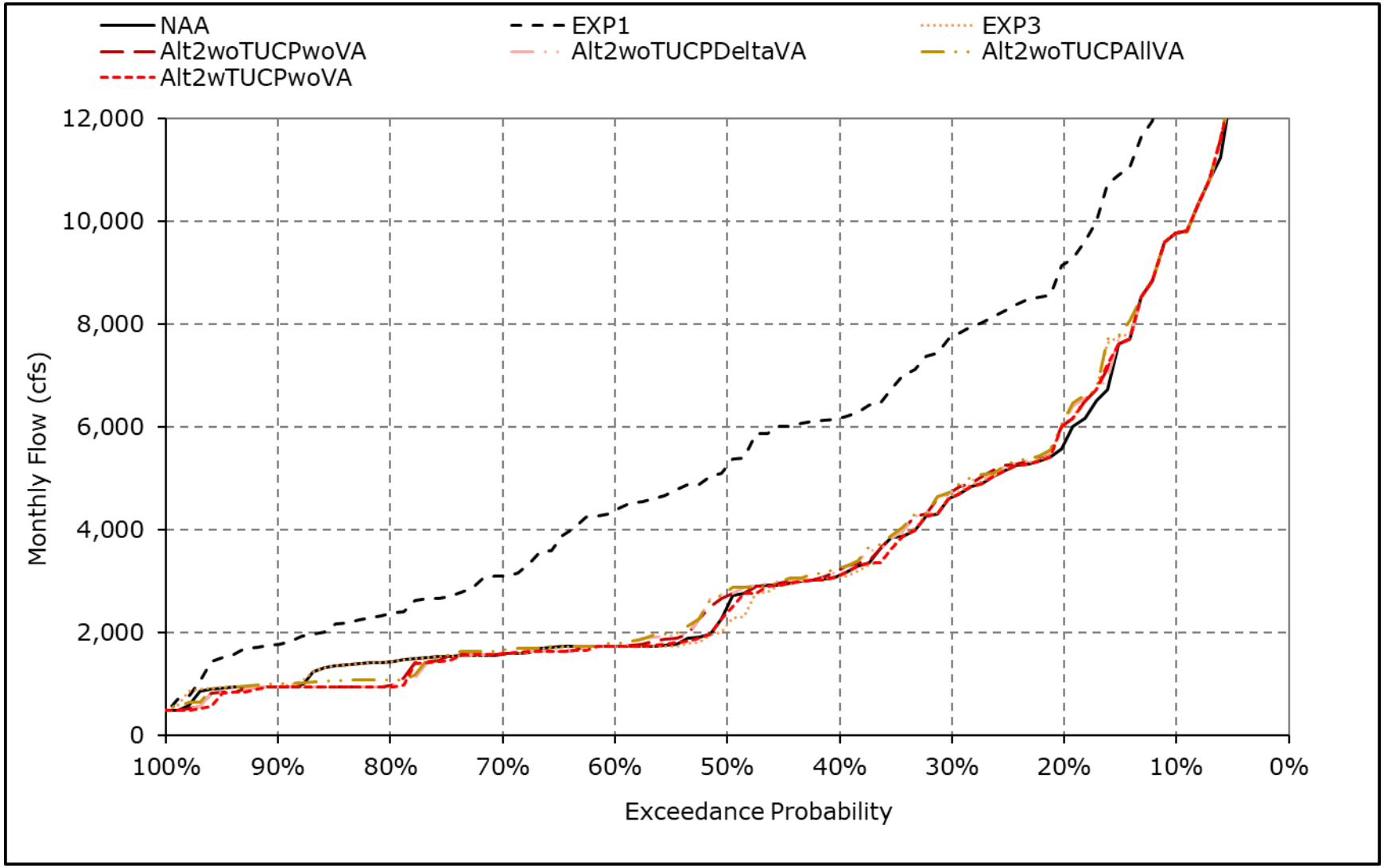
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-11. American River below Nimbus Dam Flow, February



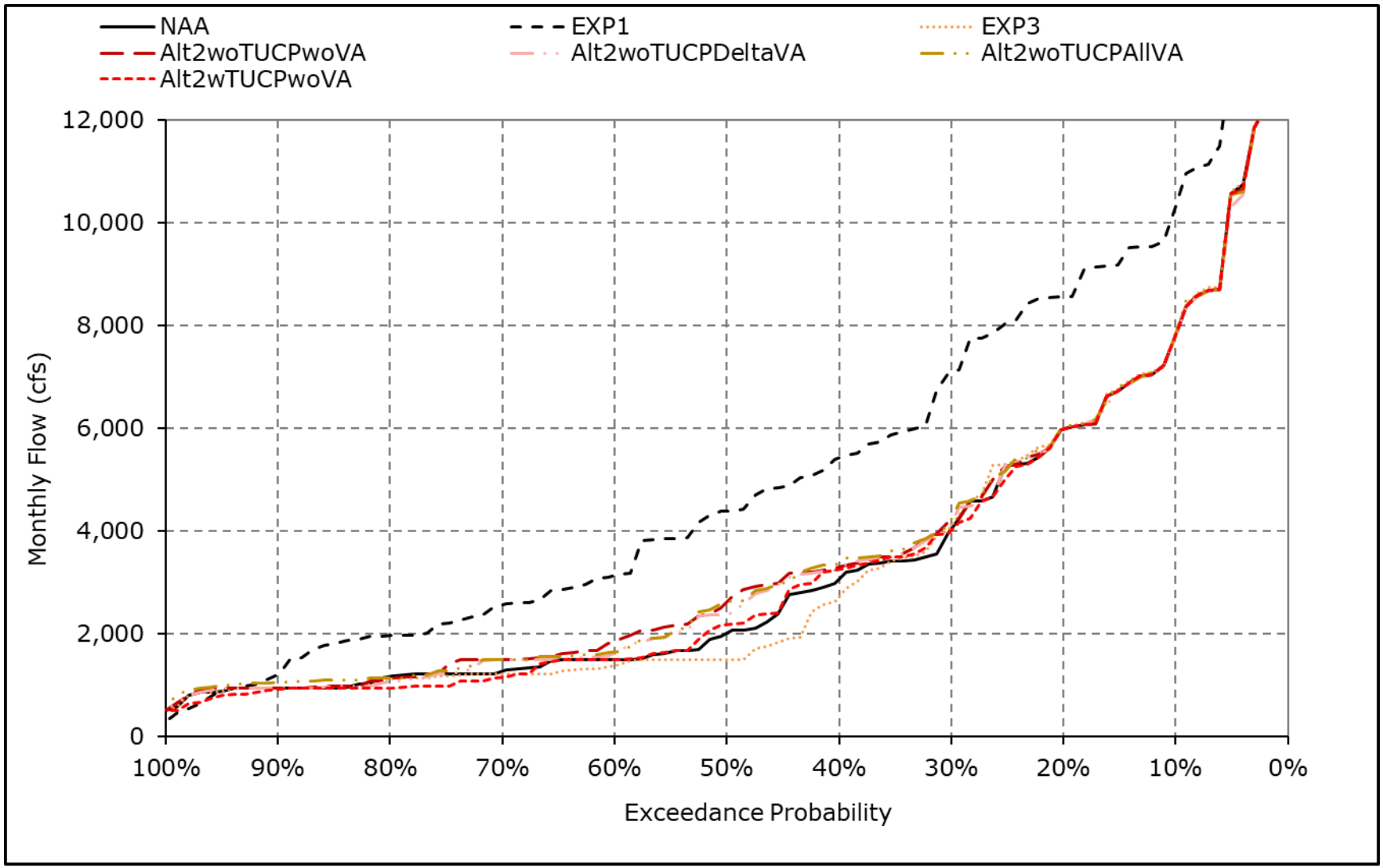
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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



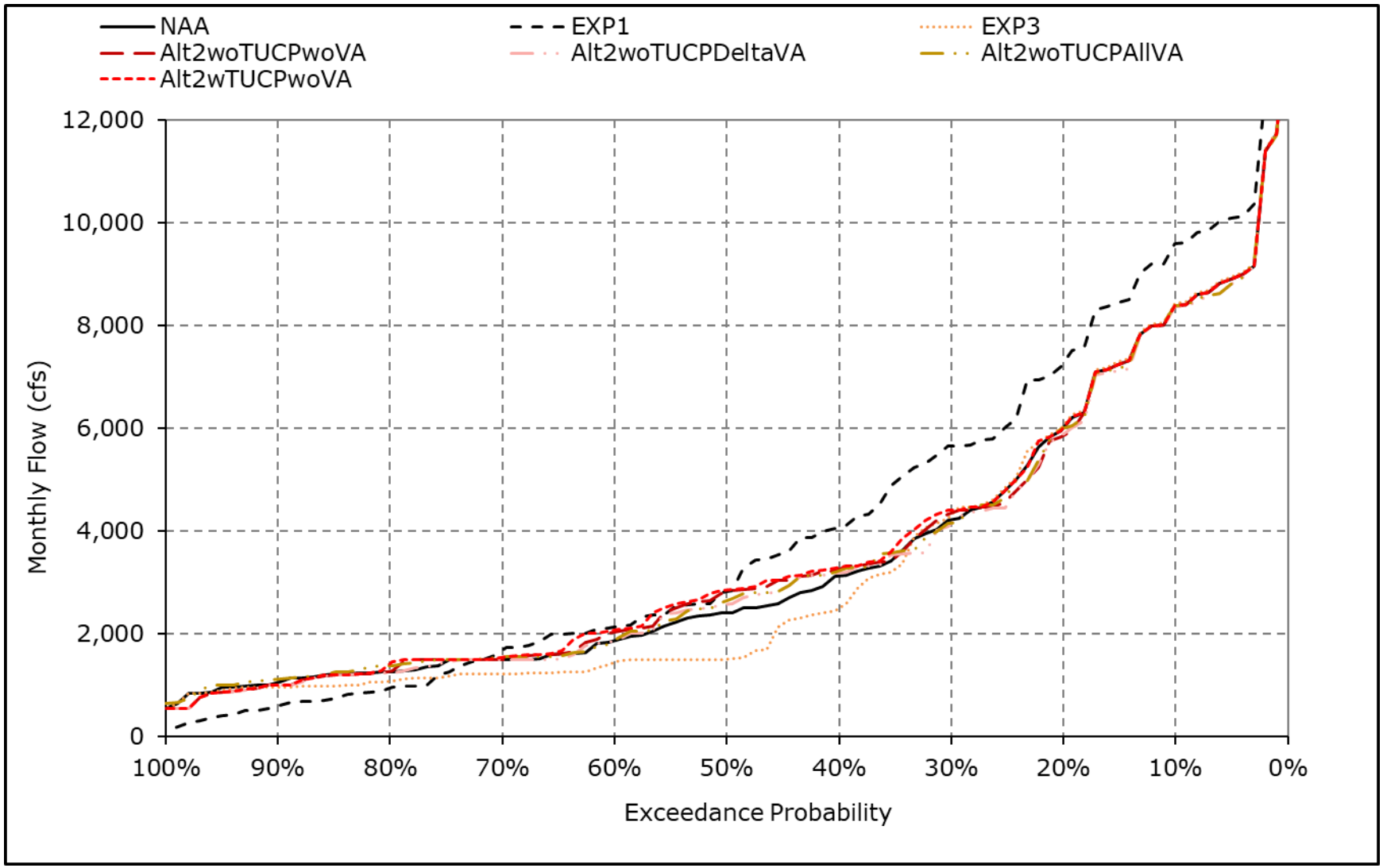
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-13. American River below Nimbus Dam Flow, April



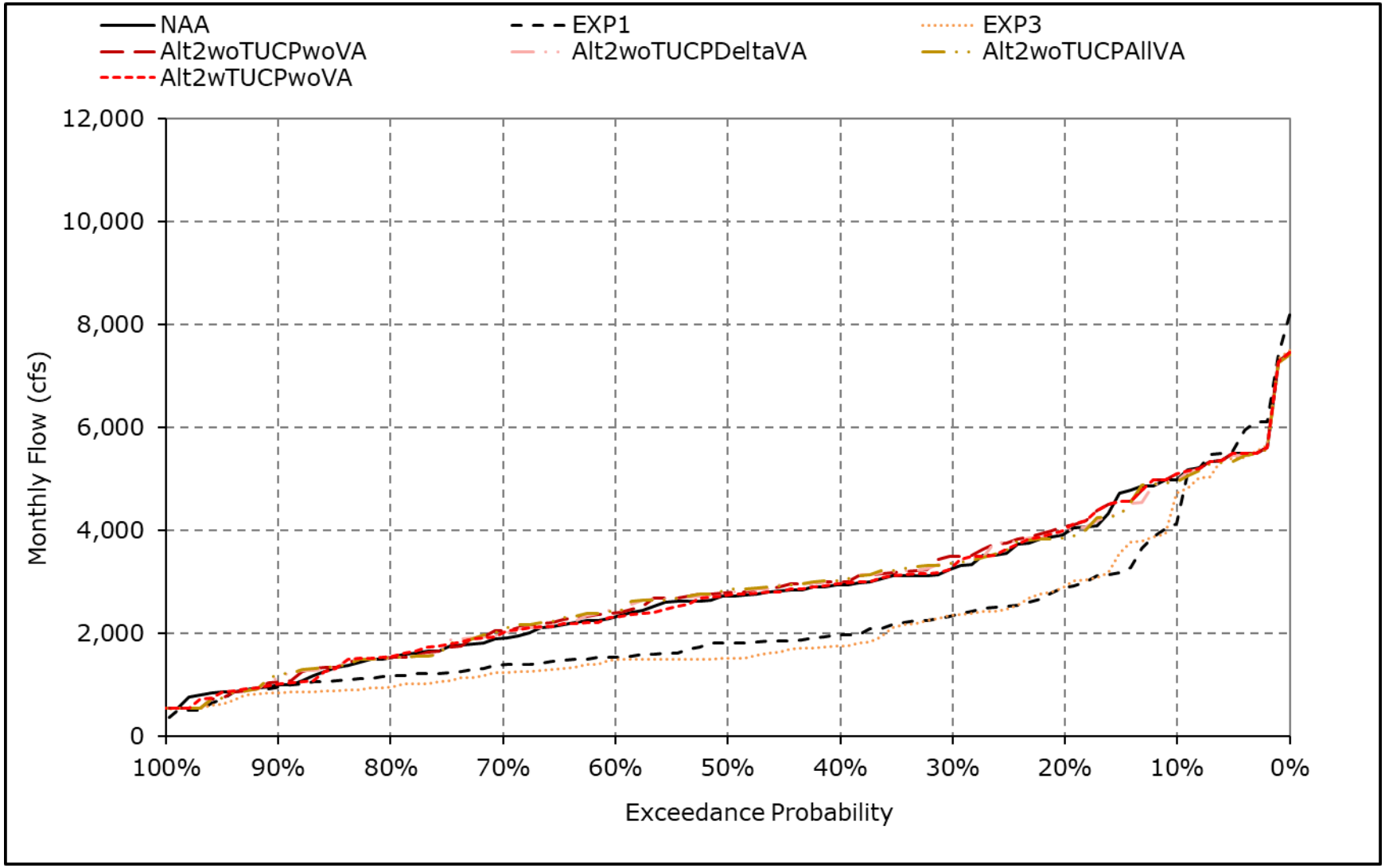
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-14. American River below Nimbus Dam Flow, May



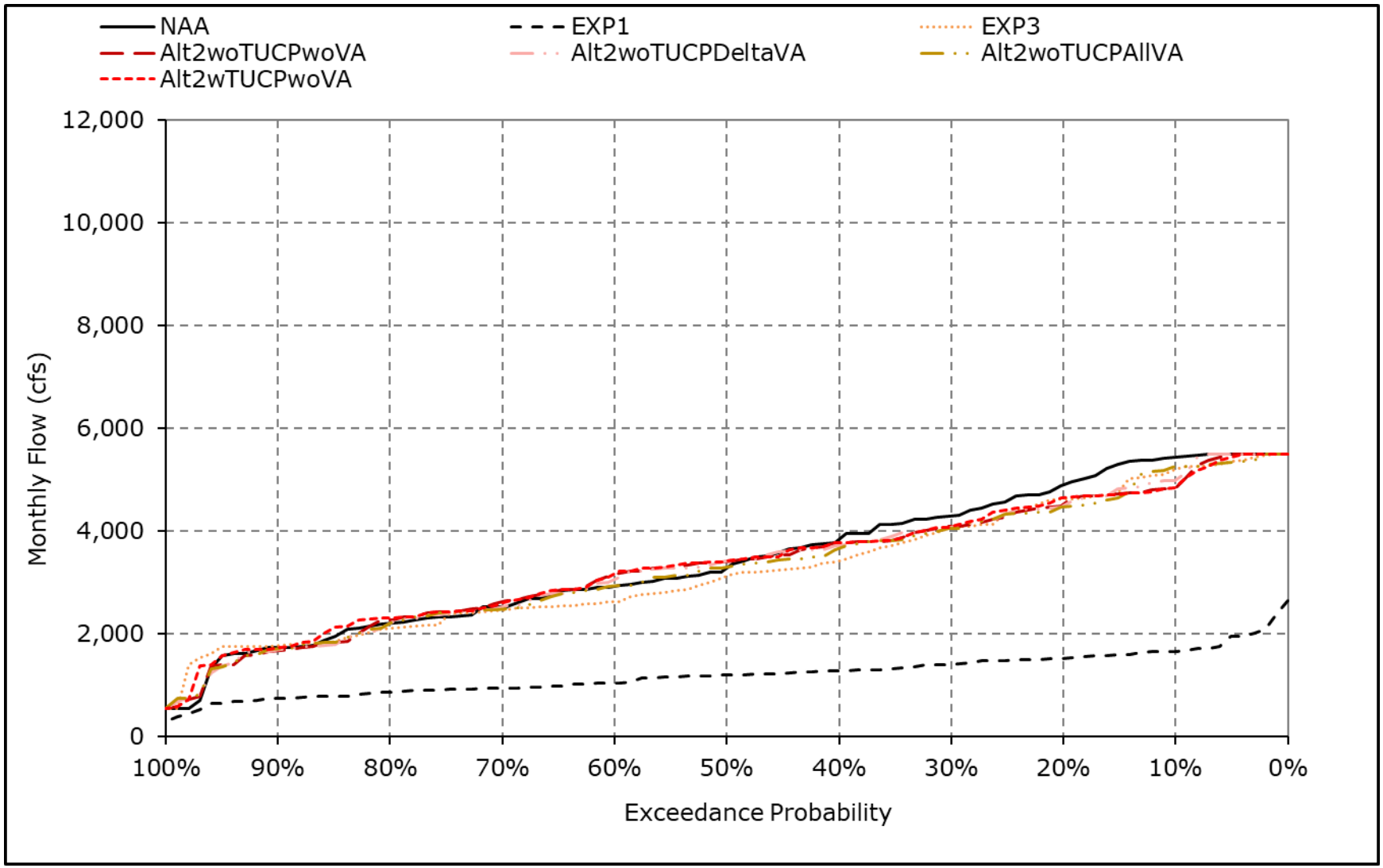
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-15. American River below Nimbus Dam Flow, June



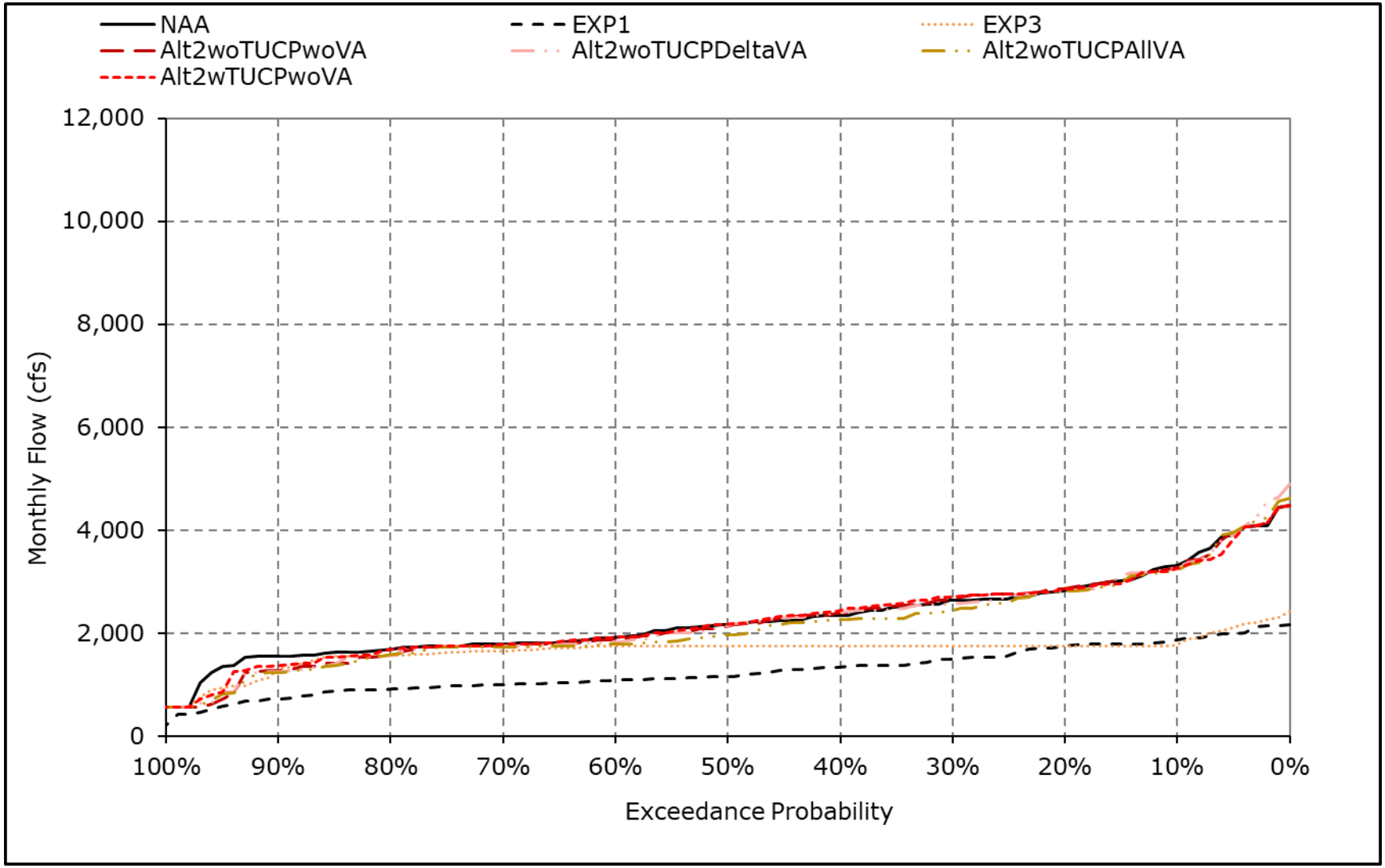
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-16. American River below Nimbus Dam Flow, July



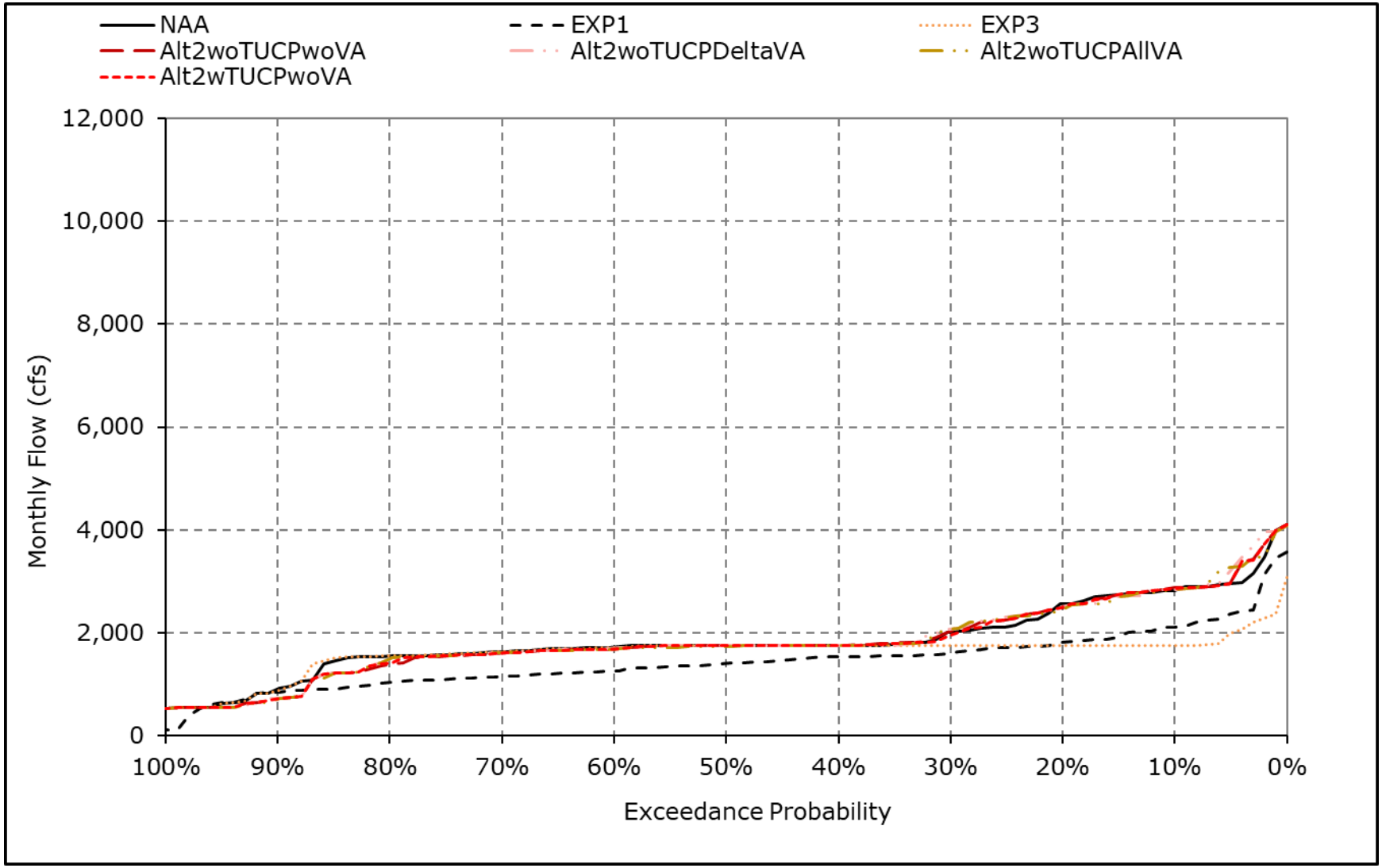
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-17. American River below Nimbus Dam Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-12-18. American River below Nimbus Dam Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-13-1a. American River at H Street, NAA, 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

Table F.2.2-13-1b. American River at H Street, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,117	4,806	11,022	12,877	13,930	9,756	7,755	8,259	4,920	4,650	3,103	2,700
20% Exceedance	1,692	3,735	5,063	8,633	10,621	5,988	5,924	5,712	3,890	4,321	2,688	2,320
30% Exceedance	1,493	2,863	3,333	6,192	7,706	4,753	4,090	4,185	3,315	3,895	2,483	1,872
40% Exceedance	1,430	2,340	2,111	4,104	5,789	3,182	3,188	3,110	2,854	3,566	2,191	1,638
50% Exceedance	1,400	1,917	1,949	2,573	4,174	2,636	2,482	2,682	2,625	3,221	1,959	1,611
60% Exceedance	1,359	1,790	1,920	1,442	2,960	1,716	1,768	1,918	2,261	2,932	1,706	1,543
70% Exceedance	873	1,116	1,590	1,341	1,949	1,529	1,449	1,414	1,907	2,440	1,598	1,469
80% Exceedance	593	734	915	1,254	1,397	931	1,032	1,140	1,358	2,104	1,388	1,239
90% Exceedance	441	521	589	566	1,251	872	864	867	892	1,491	1,078	591
Full Simulation Period Average[a]	1,349	2,509	3,905	5,262	6,337	3,985	3,633	3,503	2,735	3,158	2,051	1,705
Wet Water Years (28%)	1,793	4,044	4,825	11,667	12,307	7,643	6,758	6,245	3,547	3,365	2,600	2,388
Above Normal Water Years (14%)	1,863	2,326	3,311	6,784	7,519	4,937	3,213	3,268	3,271	4,114	2,133	2,196
Below Normal Water Years (18%)	1,307	1,948	4,181	2,765	4,532	2,683	2,685	2,963	2,613	4,047	2,353	1,587
Dry Water Years (24%)	1,054	2,189	4,944	1,527	3,243	1,916	2,158	2,641	2,346	2,871	1,734	1,328
Critical Water Years (16%)	527	1,008	789	1,130	1,525	1,318	1,809	812	1,564	1,387	1,151	781

Table F.2.2-13-1c. American River at H Street, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-147	-17	-30	0	1	0	0	0	72	-595	-32	29
20% Exceedance	41	51	164	390	2	388	0	-165	112	-382	38	-81
30% Exceedance	8	65	42	128	402	147	88	107	229	-195	45	21
40% Exceedance	13	41	-129	179	87	64	208	99	90	-70	30	5
50% Exceedance	6	7	-7	-101	253	150	570	383	60	127	-19	0
60% Exceedance	-20	-87	-12	-229	-11	35	320	180	107	204	-37	-39
70% Exceedance	-149	-117	-255	-92	196	11	265	7	169	118	-29	-31
80% Exceedance	-50	-224	-148	-90	-143	-419	-18	-9	0	123	-106	-172
90% Exceedance	-65	-116	-62	-145	-79	-45	12	-50	82	-54	-291	-164
Full Simulation Period Average[a]	-46	-27	-47	-36	29	9	161	50	64	-85	-51	-18
Wet Water Years (28%)	24	44	1	21	0	0	0	0	31	-88	-35	22
Above Normal Water Years (14%)	80	-13	-21	245	26	16	-3	68	130	-302	50	65
Below Normal Water Years (18%)	-161	12	89	-137	218	-49	-52	153	15	-297	93	-26
Dry Water Years (24%)	-76	-11	-180	-98	67	-96	81	289	-70	166	-43	-60
Critical Water Years (16%)	-119	-243	-116	-173	-187	243	947	-353	320	-29	-344	-85

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-2a. American River at H Street, NAA, 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

Table F.2.2-13-2b. American River at H Street, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,170	4,745	11,024	12,867	13,928	9,749	7,734	8,239	4,813	4,782	3,081	2,678
20% Exceedance	1,614	3,672	5,057	8,863	10,619	6,028	5,944	5,738	3,788	4,306	2,640	2,358
30% Exceedance	1,482	3,206	3,315	6,128	7,457	4,746	4,044	4,018	3,190	3,888	2,378	1,926
40% Exceedance	1,416	2,213	2,098	4,224	5,767	3,176	3,176	3,036	2,862	3,515	2,209	1,630
50% Exceedance	1,394	1,908	1,946	2,671	4,122	2,711	2,294	2,455	2,630	3,224	1,943	1,611
60% Exceedance	1,359	1,721	1,917	1,463	3,150	1,715	1,573	1,741	2,282	2,859	1,661	1,562
70% Exceedance	826	1,091	1,530	1,340	1,894	1,529	1,435	1,402	1,862	2,332	1,594	1,479
80% Exceedance	553	734	853	1,255	1,353	925	988	1,114	1,351	2,056	1,391	1,358
90% Exceedance	441	519	589	582	1,245	872	858	867	953	1,505	1,055	594
Full Simulation Period Average[a]	1,334	2,484	3,888	5,288	6,333	3,988	3,578	3,438	2,713	3,155	2,046	1,719
Wet Water Years (28%)	1,787	4,064	4,812	11,660	12,315	7,640	6,759	6,201	3,512	3,348	2,557	2,387
Above Normal Water Years (14%)	1,796	2,347	3,301	6,846	7,560	4,934	3,195	3,176	3,185	4,192	1,994	2,220
Below Normal Water Years (18%)	1,336	1,981	4,141	2,706	4,386	2,710	2,654	2,847	2,586	3,993	2,374	1,594
Dry Water Years (24%)	1,037	2,073	4,941	1,518	3,306	1,939	2,070	2,562	2,383	2,857	1,769	1,342
Critical Water Years (16%)	501	934	757	1,337	1,521	1,282	1,650	812	1,540	1,417	1,243	819

Table F.2.2-13-2c. American River at H Street, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-94	-77	-27	-9	0	-7	-21	-20	-35	-462	-54	8
20% Exceedance	-36	-13	157	620	0	428	20	-138	9	-397	-10	-43
30% Exceedance	-4	408	24	64	153	140	42	-60	104	-202	-60	75
40% Exceedance	0	-87	-142	298	66	57	196	25	98	-120	48	-3
50% Exceedance	0	-2	-11	-4	201	225	382	156	65	129	-35	1
60% Exceedance	-21	-156	-15	-207	179	34	125	4	127	131	-81	-19
70% Exceedance	-196	-142	-315	-93	140	12	251	-5	124	10	-33	-21
80% Exceedance	-91	-224	-210	-88	-187	-425	-62	-35	-7	74	-103	-52
90% Exceedance	-65	-118	-62	-129	-85	-45	6	-50	143	-40	-314	-160
Full Simulation Period Average[a]	-61	-51	-65	-9	25	13	107	-16	42	-87	-56	-4
Wet Water Years (28%)	18	65	-12	14	9	-2	0	-45	-4	-106	-78	20
Above Normal Water Years (14%)	13	7	-31	307	67	13	-21	-24	44	-224	-89	90
Below Normal Water Years (18%)	-131	45	49	-196	72	-22	-82	36	-12	-351	114	-20
Dry Water Years (24%)	-94	-127	-183	-108	130	-73	-7	210	-33	152	-8	-46
Critical Water Years (16%)	-146	-316	-148	34	-191	208	788	-353	296	1	-252	-48

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-3a. American River at H Street, NAA, 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

Table F.2.2-13-3b. American River at H Street, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,224	4,671	11,260	12,843	13,927	9,749	7,757	8,251	4,808	5,044	3,018	2,688
20% Exceedance	1,628	3,774	5,050	8,950	10,909	6,083	5,956	5,917	3,725	4,280	2,630	2,290
30% Exceedance	1,478	3,002	3,333	6,150	7,457	4,778	4,222	4,058	3,169	3,856	2,237	1,926
40% Exceedance	1,416	2,510	2,179	4,153	5,761	3,273	3,334	3,087	2,859	3,461	2,066	1,631
50% Exceedance	1,389	1,910	1,949	2,673	4,100	2,782	2,573	2,561	2,669	3,098	1,777	1,598
60% Exceedance	1,359	1,772	1,920	1,487	3,031	1,774	1,623	1,768	2,279	2,720	1,614	1,542
70% Exceedance	874	1,091	1,685	1,343	2,004	1,603	1,433	1,425	1,915	2,297	1,568	1,479
80% Exceedance	585	734	858	1,306	1,353	1,090	1,092	1,308	1,366	2,037	1,400	1,373
90% Exceedance	440	531	589	572	1,212	985	1,006	1,040	1,021	1,524	1,047	587
Full Simulation Period Average[a]	1,349	2,540	3,920	5,293	6,333	4,069	3,664	3,518	2,716	3,113	1,978	1,707
Wet Water Years (28%)	1,777	4,054	4,812	11,625	12,316	7,658	6,764	6,220	3,512	3,363	2,553	2,374
Above Normal Water Years (14%)	1,840	2,337	3,324	6,926	7,555	4,985	3,246	3,242	3,225	4,095	1,928	2,109
Below Normal Water Years (18%)	1,357	1,990	4,176	2,717	4,359	2,785	2,750	2,848	2,608	3,969	2,218	1,658
Dry Water Years (24%)	1,045	2,303	5,033	1,541	3,366	2,094	2,229	2,697	2,353	2,728	1,676	1,323
Critical Water Years (16%)	536	957	766	1,311	1,466	1,392	1,783	1,020	1,546	1,431	1,200	816

Table F.2.2-13-3c. American River at H Street, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-40	-152	209	-33	-2	-7	3	-8	-40	-201	-117	17
20% Exceedance	-22	89	150	707	290	483	31	40	-54	-423	-20	-111
30% Exceedance	-7	203	42	86	153	172	219	-20	83	-235	-201	75
40% Exceedance	0	210	-61	227	60	155	354	76	95	-175	-94	-2
50% Exceedance	-6	0	-7	-2	179	296	661	262	104	3	-201	-12
60% Exceedance	-21	-105	-12	-184	61	94	175	30	125	-9	-129	-39
70% Exceedance	-148	-142	-160	-90	251	85	250	18	176	-26	-59	-21
80% Exceedance	-58	-224	-204	-37	-186	-260	42	159	8	56	-94	-37
90% Exceedance	-66	-106	-62	-140	-117	69	154	123	211	-21	-322	-167
Full Simulation Period Average[a]	-46	5	-32	-4	26	93	192	65	45	-130	-124	-17
Wet Water Years (28%)	8	54	-12	-21	10	16	6	-25	-4	-91	-82	7
Above Normal Water Years (14%)	57	-3	-8	387	62	64	30	41	83	-321	-155	-22
Below Normal Water Years (18%)	-110	53	83	-185	46	53	14	37	10	-375	-42	45
Dry Water Years (24%)	-86	102	-92	-84	190	82	152	345	-63	23	-101	-65
Critical Water Years (16%)	-111	-293	-139	8	-246	318	921	-145	302	15	-295	-50

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-4a. American River at H Street, NAA, 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

Table F.2.2-13-4b. American River at H Street, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,256	4,806	11,021	12,877	13,931	9,756	7,754	8,259	4,923	4,664	3,087	2,700
20% Exceedance	1,722	3,735	5,063	8,771	10,621	5,988	5,925	5,883	3,842	4,433	2,665	2,324
30% Exceedance	1,516	2,879	3,335	6,192	7,298	4,606	3,962	4,262	3,127	3,911	2,509	1,801
40% Exceedance	1,439	2,214	2,146	4,106	5,790	3,114	3,150	3,147	2,798	3,563	2,235	1,636
50% Exceedance	1,403	1,917	1,955	2,677	4,180	2,355	2,100	2,719	2,599	3,250	1,986	1,611
60% Exceedance	1,359	1,813	1,923	1,494	2,982	1,680	1,456	1,944	2,142	2,962	1,740	1,543
70% Exceedance	825	1,138	1,774	1,350	2,042	1,529	1,057	1,433	1,832	2,415	1,606	1,469
80% Exceedance	586	760	1,057	1,319	1,409	925	876	1,308	1,369	2,114	1,492	1,337
90% Exceedance	452	557	601	657	1,251	869	811	867	834	1,542	1,179	589
Full Simulation Period Average[a]	1,365	2,515	3,953	5,327	6,339	3,929	3,462	3,555	2,688	3,193	2,078	1,704
Wet Water Years (28%)	1,792	4,049	4,829	11,667	12,307	7,643	6,758	6,245	3,541	3,364	2,597	2,387
Above Normal Water Years (14%)	1,851	2,328	3,308	6,811	7,521	4,937	3,213	3,268	3,282	4,106	2,153	2,197
Below Normal Water Years (18%)	1,395	1,925	4,162	2,831	4,525	2,683	2,685	2,947	2,614	4,063	2,367	1,587
Dry Water Years (24%)	1,053	2,176	4,945	1,528	3,252	1,915	2,142	2,639	2,343	2,880	1,730	1,328
Critical Water Years (16%)	543	1,089	1,125	1,436	1,535	972	763	1,156	1,278	1,587	1,303	771

Table F.2.2-13-4c. American River at H Street, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-17	-30	0	2	0	0	0	75	-581	-48	29
20% Exceedance	72	51	163	528	2	388	0	7	63	-269	15	-77
30% Exceedance	30	80	44	128	-6	0	-40	184	41	-179	71	-50
40% Exceedance	23	-86	-94	181	89	-4	170	135	34	-73	74	4
50% Exceedance	9	7	-2	2	259	-130	188	420	34	155	8	0
60% Exceedance	-20	-64	-8	-177	12	0	8	207	-12	234	-2	-39
70% Exceedance	-197	-95	-71	-83	289	11	-127	26	93	93	-21	-31
80% Exceedance	-57	-198	-5	-25	-130	-425	-174	159	11	133	-2	-74
90% Exceedance	-55	-80	-50	-55	-79	-47	-41	-51	24	-3	-190	-165
Full Simulation Period Average[a]	-31	-20	0	29	32	-46	-10	102	17	-50	-24	-20
Wet Water Years (28%)	23	49	5	22	0	0	0	0	25	-90	-38	20
Above Normal Water Years (14%)	68	-12	-24	272	28	16	-3	68	141	-310	71	66
Below Normal Water Years (18%)	-72	-11	70	-71	211	-49	-51	137	16	-281	106	-26
Dry Water Years (24%)	-78	-24	-180	-97	76	-97	65	288	-73	176	-47	-60
Critical Water Years (16%)	-104	-162	220	133	-177	-103	-99	-9	34	171	-192	-96

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-5a. American River at H Street, NAA, 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

Table F.2.2-13-5b. American River at H Street, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,390	7,778	11,497	12,886	13,932	9,760	7,763	8,288	4,546	4,990	1,615	1,611
20% Exceedance	1,380	7,196	5,236	9,377	11,080	6,009	5,937	5,905	2,744	4,380	1,578	1,606
30% Exceedance	1,377	5,596	3,971	6,528	7,717	4,613	4,053	4,152	2,162	3,825	1,568	1,598
40% Exceedance	1,370	4,310	3,103	4,113	6,107	3,093	2,627	2,385	1,579	3,203	1,563	1,589
50% Exceedance	1,361	3,504	2,366	3,238	4,511	2,093	1,423	1,395	1,344	2,893	1,553	1,582
60% Exceedance	1,337	2,525	1,935	2,318	3,321	1,661	1,265	1,303	1,295	2,406	1,544	1,550
70% Exceedance	897	1,889	1,900	1,575	2,075	1,521	1,089	1,071	1,040	2,253	1,447	1,473
80% Exceedance	609	867	1,633	1,337	1,637	1,333	1,007	924	763	1,892	1,362	1,393
90% Exceedance	466	574	688	1,229	1,321	903	835	828	649	1,590	1,097	711
Full Simulation Period Average[a]	1,189	4,214	4,375	5,632	6,535	3,976	3,379	3,228	1,925	3,044	1,456	1,451
Wet Water Years (28%)	1,490	6,500	4,928	11,865	12,316	7,648	6,768	6,256	3,156	3,099	1,604	1,715
Above Normal Water Years (14%)	1,364	3,693	4,072	7,093	7,648	4,956	3,214	3,125	2,143	4,274	1,556	1,588
Below Normal Water Years (18%)	1,275	3,221	4,797	3,365	4,638	2,736	2,747	2,434	1,595	3,874	1,674	1,558
Dry Water Years (24%)	1,076	4,316	5,536	2,057	3,715	1,978	1,684	1,738	1,269	2,569	1,383	1,362
Critical Water Years (16%)	534	1,498	1,280	1,358	1,810	1,087	846	1,145	933	1,651	977	880

Table F.2.2-13-5c. American River at H Street, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-874	2,955	446	9	4	4	9	29	-303	-255	-1,520	-1,060
20% Exceedance	-270	3,512	336	1,134	461	409	12	28	-1,034	-323	-1,072	-795
30% Exceedance	-108	2,797	680	464	413	8	50	74	-924	-266	-870	-253
40% Exceedance	-46	2,010	863	188	406	-26	-353	-626	-1,185	-433	-598	-44
50% Exceedance	-34	1,594	409	563	590	-393	-490	-904	-1,221	-202	-425	-29
60% Exceedance	-42	648	4	648	351	-20	-183	-434	-860	-322	-199	-32
70% Exceedance	-125	656	55	143	322	4	-94	-336	-699	-69	-180	-27
80% Exceedance	-35	-91	571	-6	98	-17	-43	-225	-595	-89	-133	-18
90% Exceedance	-40	-63	37	518	-9	-13	-16	-90	-161	45	-271	-43
Full Simulation Period Average[a]	-206	1,679	422	334	228	1	-92	-226	-746	-199	-645	-272
Wet Water Years (28%)	-279	2,500	104	219	10	5	10	11	-360	-355	-1,031	-652
Above Normal Water Years (14%)	-419	1,353	740	554	155	35	-2	-75	-998	-142	-526	-543
Below Normal Water Years (18%)	-192	1,285	705	463	324	4	11	-377	-1,003	-470	-586	-55
Dry Water Years (24%)	-55	2,116	412	431	539	-35	-393	-613	-1,147	-136	-394	-26
Critical Water Years (16%)	-113	248	375	55	98	13	-16	-20	-310	235	-518	14

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-6a. American River at H Street, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,696	3,894	11,491	12,473	13,917	12,810	10,210	9,451	4,047	1,525	1,698	1,912
20% Exceedance	1,379	2,358	6,297	9,781	11,083	9,081	8,478	7,102	2,736	1,447	1,574	1,672
30% Exceedance	1,170	1,680	4,117	6,561	7,759	7,672	7,056	5,480	2,161	1,285	1,311	1,450
40% Exceedance	1,036	1,402	3,636	4,253	6,189	6,154	5,293	3,927	1,771	1,149	1,166	1,367
50% Exceedance	923	1,281	2,823	3,511	4,514	5,153	4,273	2,682	1,609	1,070	1,097	1,264
60% Exceedance	759	1,079	2,236	2,516	3,514	4,301	3,016	1,984	1,332	992	973	1,099
70% Exceedance	525	998	1,778	1,824	2,596	2,991	2,460	1,544	1,209	896	874	971
80% Exceedance	389	881	1,516	1,233	1,980	2,265	1,841	798	1,020	749	809	871
90% Exceedance	263	676	1,324	843	1,468	1,661	1,075	461	819	623	678	687
Full Simulation Period Average[a]	1,053	1,964	4,624	5,731	6,668	6,236	5,269	3,966	2,054	1,097	1,132	1,273
Wet Water Years (28%)	1,341	2,594	4,819	11,834	12,329	10,583	9,138	7,233	3,324	1,246	1,332	1,823
Above Normal Water Years (14%)	1,196	1,799	4,244	7,517	7,648	7,837	5,514	4,152	2,057	983	1,163	1,358
Below Normal Water Years (18%)	1,163	1,631	4,943	3,656	4,698	5,188	4,886	3,059	1,842	1,162	1,225	1,249
Dry Water Years (24%)	1,011	2,282	5,635	2,137	4,005	3,907	3,521	2,586	1,386	1,084	1,014	1,050
Critical Water Years (16%)	312	841	2,641	1,216	2,114	1,901	1,341	1,178	1,071	881	828	600

Table F.2.2-13-6b. American River at H Street, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,117	4,806	11,022	12,877	13,930	9,756	7,755	8,259	4,920	4,650	3,103	2,700
20% Exceedance	1,692	3,735	5,063	8,633	10,621	5,988	5,924	5,712	3,890	4,321	2,688	2,320
30% Exceedance	1,493	2,863	3,333	6,192	7,706	4,753	4,090	4,185	3,315	3,895	2,483	1,872
40% Exceedance	1,430	2,340	2,111	4,104	5,789	3,182	3,188	3,110	2,854	3,566	2,191	1,638
50% Exceedance	1,400	1,917	1,949	2,573	4,174	2,636	2,482	2,682	2,625	3,221	1,959	1,611
60% Exceedance	1,359	1,790	1,920	1,442	2,960	1,716	1,768	1,918	2,261	2,932	1,706	1,543
70% Exceedance	873	1,116	1,590	1,341	1,949	1,529	1,449	1,414	1,907	2,440	1,598	1,469
80% Exceedance	593	734	915	1,254	1,397	931	1,032	1,140	1,358	2,104	1,388	1,239
90% Exceedance	441	521	589	566	1,251	872	864	867	892	1,491	1,078	591
Full Simulation Period Average[a]	1,349	2,509	3,905	5,262	6,337	3,985	3,633	3,503	2,735	3,158	2,051	1,705
Wet Water Years (28%)	1,793	4,044	4,825	11,667	12,307	7,643	6,758	6,245	3,547	3,365	2,600	2,388
Above Normal Water Years (14%)	1,863	2,326	3,311	6,784	7,519	4,937	3,213	3,268	3,271	4,114	2,133	2,196
Below Normal Water Years (18%)	1,307	1,948	4,181	2,765	4,532	2,683	2,685	2,963	2,613	4,047	2,353	1,587
Dry Water Years (24%)	1,054	2,189	4,944	1,527	3,243	1,916	2,158	2,641	2,346	2,871	1,734	1,328
Critical Water Years (16%)	527	1,008	789	1,130	1,525	1,318	1,809	812	1,564	1,387	1,151	781

Table F.2.2-13-6c. American River at H Street, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	421	911	-469	404	13	-3,053	-2,455	-1,191	873	3,125	1,406	788
20% Exceedance	313	1,378	-1,234	-1,148	-461	-3,092	-2,553	-1,390	1,154	2,874	1,114	648
30% Exceedance	323	1,183	-784	-369	-53	-2,919	-2,965	-1,295	1,154	2,610	1,172	422
40% Exceedance	394	939	-1,526	-148	-401	-2,972	-2,105	-817	1,083	2,416	1,025	271
50% Exceedance	477	636	-873	-937	-340	-2,517	-1,790	-1	1,015	2,151	862	347
60% Exceedance	600	710	-316	-1,074	-554	-2,585	-1,248	-66	930	1,940	733	443
70% Exceedance	348	118	-187	-484	-647	-1,462	-1,012	-130	698	1,544	724	498
80% Exceedance	204	-147	-601	20	-583	-1,334	-809	342	338	1,356	579	367
90% Exceedance	179	-155	-736	-277	-218	-789	-211	406	73	868	400	-97
Full Simulation Period Average[a]	295	545	-719	-470	-331	-2,252	-1,637	-463	680	2,061	918	432
Wet Water Years (28%)	452	1,450	6	-167	-22	-2,941	-2,380	-988	223	2,119	1,268	565
Above Normal Water Years (14%)	666	527	-933	-734	-130	-2,900	-2,301	-884	1,215	3,131	969	838
Below Normal Water Years (18%)	144	317	-762	-890	-167	-2,505	-2,201	-96	771	2,885	1,128	337
Dry Water Years (24%)	44	-93	-691	-609	-762	-1,991	-1,362	55	960	1,787	720	278
Critical Water Years (16%)	215	167	-1,853	-86	-588	-584	468	-365	492	506	323	181

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-7a. American River at H Street, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,696	3,894	11,491	12,473	13,917	12,810	10,210	9,451	4,047	1,525	1,698	1,912
20% Exceedance	1,379	2,358	6,297	9,781	11,083	9,081	8,478	7,102	2,736	1,447	1,574	1,672
30% Exceedance	1,170	1,680	4,117	6,561	7,759	7,672	7,056	5,480	2,161	1,285	1,311	1,450
40% Exceedance	1,036	1,402	3,636	4,253	6,189	6,154	5,293	3,927	1,771	1,149	1,166	1,367
50% Exceedance	923	1,281	2,823	3,511	4,514	5,153	4,273	2,682	1,609	1,070	1,097	1,264
60% Exceedance	759	1,079	2,236	2,516	3,514	4,301	3,016	1,984	1,332	992	973	1,099
70% Exceedance	525	998	1,778	1,824	2,596	2,991	2,460	1,544	1,209	896	874	971
80% Exceedance	389	881	1,516	1,233	1,980	2,265	1,841	798	1,020	749	809	871
90% Exceedance	263	676	1,324	843	1,468	1,661	1,075	461	819	623	678	687
Full Simulation Period Average[a]	1,053	1,964	4,624	5,731	6,668	6,236	5,269	3,966	2,054	1,097	1,132	1,273
Wet Water Years (28%)	1,341	2,594	4,819	11,834	12,329	10,583	9,138	7,233	3,324	1,246	1,332	1,823
Above Normal Water Years (14%)	1,196	1,799	4,244	7,517	7,648	7,837	5,514	4,152	2,057	983	1,163	1,358
Below Normal Water Years (18%)	1,163	1,631	4,943	3,656	4,698	5,188	4,886	3,059	1,842	1,162	1,225	1,249
Dry Water Years (24%)	1,011	2,282	5,635	2,137	4,005	3,907	3,521	2,586	1,386	1,084	1,014	1,050
Critical Water Years (16%)	312	841	2,641	1,216	2,114	1,901	1,341	1,178	1,071	881	828	600

Table F.2.2-13-7b. American River at H Street, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,170	4,745	11,024	12,867	13,928	9,749	7,734	8,239	4,813	4,782	3,081	2,678
20% Exceedance	1,614	3,672	5,057	8,863	10,619	6,028	5,944	5,738	3,788	4,306	2,640	2,358
30% Exceedance	1,482	3,206	3,315	6,128	7,457	4,746	4,044	4,018	3,190	3,888	2,378	1,926
40% Exceedance	1,416	2,213	2,098	4,224	5,767	3,176	3,176	3,036	2,862	3,515	2,209	1,630
50% Exceedance	1,394	1,908	1,946	2,671	4,122	2,711	2,294	2,455	2,630	3,224	1,943	1,611
60% Exceedance	1,359	1,721	1,917	1,463	3,150	1,715	1,573	1,741	2,282	2,859	1,661	1,562
70% Exceedance	826	1,091	1,530	1,340	1,894	1,529	1,435	1,402	1,862	2,332	1,594	1,479
80% Exceedance	553	734	853	1,255	1,353	925	988	1,114	1,351	2,056	1,391	1,358
90% Exceedance	441	519	589	582	1,245	872	858	867	953	1,505	1,055	594
Full Simulation Period Average[a]	1,334	2,484	3,888	5,288	6,333	3,988	3,578	3,438	2,713	3,155	2,046	1,719
Wet Water Years (28%)	1,787	4,064	4,812	11,660	12,315	7,640	6,759	6,201	3,512	3,348	2,557	2,387
Above Normal Water Years (14%)	1,796	2,347	3,301	6,846	7,560	4,934	3,195	3,176	3,185	4,192	1,994	2,220
Below Normal Water Years (18%)	1,336	1,981	4,141	2,706	4,386	2,710	2,654	2,847	2,586	3,993	2,374	1,594
Dry Water Years (24%)	1,037	2,073	4,941	1,518	3,306	1,939	2,070	2,562	2,383	2,857	1,769	1,342
Critical Water Years (16%)	501	934	757	1,337	1,521	1,282	1,650	812	1,540	1,417	1,243	819

Table F.2.2-13-7c. American River at H Street, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	474	851	-467	394	11	-3,060	-2,476	-1,212	767	3,258	1,384	766
20% Exceedance	235	1,314	-1,240	-918	-463	-3,052	-2,533	-1,363	1,051	2,859	1,066	686
30% Exceedance	311	1,526	-802	-433	-303	-2,925	-3,011	-1,462	1,029	2,603	1,067	476
40% Exceedance	380	811	-1,539	-29	-422	-2,979	-2,117	-891	1,091	2,366	1,043	263
50% Exceedance	471	627	-877	-840	-392	-2,442	-1,978	-228	1,020	2,153	845	347
60% Exceedance	599	641	-319	-1,053	-364	-2,586	-1,443	-243	950	1,867	688	463
70% Exceedance	301	92	-247	-485	-702	-1,462	-1,026	-142	653	1,436	720	508
80% Exceedance	163	-147	-664	22	-627	-1,340	-853	316	331	1,307	582	487
90% Exceedance	178	-157	-736	-261	-224	-789	-217	406	135	882	377	-93
Full Simulation Period Average[a]	281	521	-737	-443	-335	-2,248	-1,691	-528	659	2,059	914	446
Wet Water Years (28%)	446	1,470	-6	-174	-14	-2,943	-2,379	-1,032	187	2,102	1,225	564
Above Normal Water Years (14%)	600	547	-943	-671	-89	-2,903	-2,319	-976	1,128	3,209	831	863
Below Normal Water Years (18%)	173	350	-802	-950	-312	-2,478	-2,231	-213	744	2,832	1,149	344
Dry Water Years (24%)	26	-209	-694	-619	-699	-1,967	-1,450	-24	998	1,773	755	291
Critical Water Years (16%)	189	94	-1,884	121	-592	-619	309	-366	469	536	415	219

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-8a. American River at H Street, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,696	3,894	11,491	12,473	13,917	12,810	10,210	9,451	4,047	1,525	1,698	1,912
20% Exceedance	1,379	2,358	6,297	9,781	11,083	9,081	8,478	7,102	2,736	1,447	1,574	1,672
30% Exceedance	1,170	1,680	4,117	6,561	7,759	7,672	7,056	5,480	2,161	1,285	1,311	1,450
40% Exceedance	1,036	1,402	3,636	4,253	6,189	6,154	5,293	3,927	1,771	1,149	1,166	1,367
50% Exceedance	923	1,281	2,823	3,511	4,514	5,153	4,273	2,682	1,609	1,070	1,097	1,264
60% Exceedance	759	1,079	2,236	2,516	3,514	4,301	3,016	1,984	1,332	992	973	1,099
70% Exceedance	525	998	1,778	1,824	2,596	2,991	2,460	1,544	1,209	896	874	971
80% Exceedance	389	881	1,516	1,233	1,980	2,265	1,841	798	1,020	749	809	871
90% Exceedance	263	676	1,324	843	1,468	1,661	1,075	461	819	623	678	687
Full Simulation Period Average[a]	1,053	1,964	4,624	5,731	6,668	6,236	5,269	3,966	2,054	1,097	1,132	1,273
Wet Water Years (28%)	1,341	2,594	4,819	11,834	12,329	10,583	9,138	7,233	3,324	1,246	1,332	1,823
Above Normal Water Years (14%)	1,196	1,799	4,244	7,517	7,648	7,837	5,514	4,152	2,057	983	1,163	1,358
Below Normal Water Years (18%)	1,163	1,631	4,943	3,656	4,698	5,188	4,886	3,059	1,842	1,162	1,225	1,249
Dry Water Years (24%)	1,011	2,282	5,635	2,137	4,005	3,907	3,521	2,586	1,386	1,084	1,014	1,050
Critical Water Years (16%)	312	841	2,641	1,216	2,114	1,901	1,341	1,178	1,071	881	828	600

Table F.2.2-13-8b. American River at H Street, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,224	4,671	11,260	12,843	13,927	9,749	7,757	8,251	4,808	5,044	3,018	2,688
20% Exceedance	1,628	3,774	5,050	8,950	10,909	6,083	5,956	5,917	3,725	4,280	2,630	2,290
30% Exceedance	1,478	3,002	3,333	6,150	7,457	4,778	4,222	4,058	3,169	3,856	2,237	1,926
40% Exceedance	1,416	2,510	2,179	4,153	5,761	3,273	3,334	3,087	2,859	3,461	2,066	1,631
50% Exceedance	1,389	1,910	1,949	2,673	4,100	2,782	2,573	2,561	2,669	3,098	1,777	1,598
60% Exceedance	1,359	1,772	1,920	1,487	3,031	1,774	1,623	1,768	2,279	2,720	1,614	1,542
70% Exceedance	874	1,091	1,685	1,343	2,004	1,603	1,433	1,425	1,915	2,297	1,568	1,479
80% Exceedance	585	734	858	1,306	1,353	1,090	1,092	1,308	1,366	2,037	1,400	1,373
90% Exceedance	440	531	589	572	1,212	985	1,006	1,040	1,021	1,524	1,047	587
Full Simulation Period Average[a]	1,349	2,540	3,920	5,293	6,333	4,069	3,664	3,518	2,716	3,113	1,978	1,707
Wet Water Years (28%)	1,777	4,054	4,812	11,625	12,316	7,658	6,764	6,220	3,512	3,363	2,553	2,374
Above Normal Water Years (14%)	1,840	2,337	3,324	6,926	7,555	4,985	3,246	3,242	3,225	4,095	1,928	2,109
Below Normal Water Years (18%)	1,357	1,990	4,176	2,717	4,359	2,785	2,750	2,848	2,608	3,969	2,218	1,658
Dry Water Years (24%)	1,045	2,303	5,033	1,541	3,366	2,094	2,229	2,697	2,353	2,728	1,676	1,323
Critical Water Years (16%)	536	957	766	1,311	1,466	1,392	1,783	1,020	1,546	1,431	1,200	816

Table F.2.2-13-8c. American River at H Street, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	528	776	-230	371	9	-3,061	-2,453	-1,200	761	3,519	1,321	776
20% Exceedance	249	1,416	-1,247	-831	-174	-2,998	-2,522	-1,185	989	2,833	1,056	618
30% Exceedance	308	1,322	-784	-411	-303	-2,893	-2,834	-1,422	1,008	2,570	926	476
40% Exceedance	381	1,108	-1,458	-100	-428	-2,881	-1,959	-839	1,087	2,312	900	264
50% Exceedance	466	630	-873	-838	-414	-2,372	-1,699	-121	1,060	2,028	680	334
60% Exceedance	599	693	-316	-1,029	-483	-2,527	-1,393	-216	948	1,727	641	443
70% Exceedance	349	92	-93	-481	-592	-1,388	-1,028	-119	705	1,401	693	508
80% Exceedance	196	-147	-658	73	-627	-1,176	-749	510	346	1,289	591	502
90% Exceedance	178	-144	-736	-271	-256	-676	-70	579	203	901	369	-100
Full Simulation Period Average[a]	296	576	-704	-438	-335	-2,167	-1,606	-448	662	2,016	846	433
Wet Water Years (28%)	437	1,460	-7	-209	-13	-2,925	-2,374	-1,013	187	2,116	1,221	551
Above Normal Water Years (14%)	644	538	-920	-592	-94	-2,852	-2,268	-911	1,168	3,113	765	751
Below Normal Water Years (18%)	194	359	-767	-938	-339	-2,403	-2,135	-212	765	2,807	993	409
Dry Water Years (24%)	34	20	-603	-595	-639	-1,813	-1,292	111	967	1,644	662	273
Critical Water Years (16%)	224	117	-1,875	95	-647	-509	442	-158	474	550	371	216

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-9a. American River at H Street, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,696	3,894	11,491	12,473	13,917	12,810	10,210	9,451	4,047	1,525	1,698	1,912
20% Exceedance	1,379	2,358	6,297	9,781	11,083	9,081	8,478	7,102	2,736	1,447	1,574	1,672
30% Exceedance	1,170	1,680	4,117	6,561	7,759	7,672	7,056	5,480	2,161	1,285	1,311	1,450
40% Exceedance	1,036	1,402	3,636	4,253	6,189	6,154	5,293	3,927	1,771	1,149	1,166	1,367
50% Exceedance	923	1,281	2,823	3,511	4,514	5,153	4,273	2,682	1,609	1,070	1,097	1,264
60% Exceedance	759	1,079	2,236	2,516	3,514	4,301	3,016	1,984	1,332	992	973	1,099
70% Exceedance	525	998	1,778	1,824	2,596	2,991	2,460	1,544	1,209	896	874	971
80% Exceedance	389	881	1,516	1,233	1,980	2,265	1,841	798	1,020	749	809	871
90% Exceedance	263	676	1,324	843	1,468	1,661	1,075	461	819	623	678	687
Full Simulation Period Average[a]	1,053	1,964	4,624	5,731	6,668	6,236	5,269	3,966	2,054	1,097	1,132	1,273
Wet Water Years (28%)	1,341	2,594	4,819	11,834	12,329	10,583	9,138	7,233	3,324	1,246	1,332	1,823
Above Normal Water Years (14%)	1,196	1,799	4,244	7,517	7,648	7,837	5,514	4,152	2,057	983	1,163	1,358
Below Normal Water Years (18%)	1,163	1,631	4,943	3,656	4,698	5,188	4,886	3,059	1,842	1,162	1,225	1,249
Dry Water Years (24%)	1,011	2,282	5,635	2,137	4,005	3,907	3,521	2,586	1,386	1,084	1,014	1,050
Critical Water Years (16%)	312	841	2,641	1,216	2,114	1,901	1,341	1,178	1,071	881	828	600

Table F.2.2-13-9b. American River at H Street, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,256	4,806	11,021	12,877	13,931	9,756	7,754	8,259	4,923	4,664	3,087	2,700
20% Exceedance	1,722	3,735	5,063	8,771	10,621	5,988	5,925	5,883	3,842	4,433	2,665	2,324
30% Exceedance	1,516	2,879	3,335	6,192	7,298	4,606	3,962	4,262	3,127	3,911	2,509	1,801
40% Exceedance	1,439	2,214	2,146	4,106	5,790	3,114	3,150	3,147	2,798	3,563	2,235	1,636
50% Exceedance	1,403	1,917	1,955	2,677	4,180	2,355	2,100	2,719	2,599	3,250	1,986	1,611
60% Exceedance	1,359	1,813	1,923	1,494	2,982	1,680	1,456	1,944	2,142	2,962	1,740	1,543
70% Exceedance	825	1,138	1,774	1,350	2,042	1,529	1,057	1,433	1,832	2,415	1,606	1,469
80% Exceedance	586	760	1,057	1,319	1,409	925	876	1,308	1,369	2,114	1,492	1,337
90% Exceedance	452	557	601	657	1,251	869	811	867	834	1,542	1,179	589
Full Simulation Period Average[a]	1,365	2,515	3,953	5,327	6,339	3,929	3,462	3,555	2,688	3,193	2,078	1,704
Wet Water Years (28%)	1,792	4,049	4,829	11,667	12,307	7,643	6,758	6,245	3,541	3,364	2,597	2,387
Above Normal Water Years (14%)	1,851	2,328	3,308	6,811	7,521	4,937	3,213	3,268	3,282	4,106	2,153	2,197
Below Normal Water Years (18%)	1,395	1,925	4,162	2,831	4,525	2,683	2,685	2,947	2,614	4,063	2,367	1,587
Dry Water Years (24%)	1,053	2,176	4,945	1,528	3,252	1,915	2,142	2,639	2,343	2,880	1,730	1,328
Critical Water Years (16%)	543	1,089	1,125	1,436	1,535	972	763	1,156	1,278	1,587	1,303	771

Table F.2.2-13-9c. American River at H Street, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	561	911	-469	404	14	-3,053	-2,456	-1,191	876	3,139	1,389	787
20% Exceedance	343	1,378	-1,234	-1,010	-462	-3,092	-2,553	-1,218	1,106	2,987	1,091	652
30% Exceedance	345	1,199	-782	-369	-461	-3,066	-3,093	-1,218	966	2,626	1,198	350
40% Exceedance	404	812	-1,490	-146	-399	-3,040	-2,142	-780	1,027	2,414	1,069	269
50% Exceedance	480	636	-868	-834	-334	-2,798	-2,173	37	990	2,179	889	347
60% Exceedance	600	734	-313	-1,022	-532	-2,621	-1,560	-39	811	1,970	767	443
70% Exceedance	300	140	-3	-475	-554	-1,462	-1,404	-111	622	1,519	732	498
80% Exceedance	197	-120	-459	85	-571	-1,340	-965	510	349	1,366	683	466
90% Exceedance	189	-119	-724	-186	-218	-792	-264	406	15	919	501	-98
Full Simulation Period Average[a]	311	551	-671	-405	-329	-2,307	-1,808	-411	634	2,097	946	430
Wet Water Years (28%)	452	1,454	10	-167	-22	-2,941	-2,380	-988	217	2,117	1,265	564
Above Normal Water Years (14%)	655	529	-936	-706	-128	-2,900	-2,301	-884	1,225	3,124	990	839
Below Normal Water Years (18%)	233	294	-780	-824	-173	-2,505	-2,200	-112	772	2,902	1,141	338
Dry Water Years (24%)	42	-106	-691	-609	-754	-1,992	-1,379	54	957	1,797	716	278
Critical Water Years (16%)	231	248	-1,517	220	-578	-929	-578	-22	206	706	475	171

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-13-10a. American River at H Street, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,696	3,894	11,491	12,473	13,917	12,810	10,210	9,451	4,047	1,525	1,698	1,912
20% Exceedance	1,379	2,358	6,297	9,781	11,083	9,081	8,478	7,102	2,736	1,447	1,574	1,672
30% Exceedance	1,170	1,680	4,117	6,561	7,759	7,672	7,056	5,480	2,161	1,285	1,311	1,450
40% Exceedance	1,036	1,402	3,636	4,253	6,189	6,154	5,293	3,927	1,771	1,149	1,166	1,367
50% Exceedance	923	1,281	2,823	3,511	4,514	5,153	4,273	2,682	1,609	1,070	1,097	1,264
60% Exceedance	759	1,079	2,236	2,516	3,514	4,301	3,016	1,984	1,332	992	973	1,099
70% Exceedance	525	998	1,778	1,824	2,596	2,991	2,460	1,544	1,209	896	874	971
80% Exceedance	389	881	1,516	1,233	1,980	2,265	1,841	798	1,020	749	809	871
90% Exceedance	263	676	1,324	843	1,468	1,661	1,075	461	819	623	678	687
Full Simulation Period Average[a]	1,053	1,964	4,624	5,731	6,668	6,236	5,269	3,966	2,054	1,097	1,132	1,273
Wet Water Years (28%)	1,341	2,594	4,819	11,834	12,329	10,583	9,138	7,233	3,324	1,246	1,332	1,823
Above Normal Water Years (14%)	1,196	1,799	4,244	7,517	7,648	7,837	5,514	4,152	2,057	983	1,163	1,358
Below Normal Water Years (18%)	1,163	1,631	4,943	3,656	4,698	5,188	4,886	3,059	1,842	1,162	1,225	1,249
Dry Water Years (24%)	1,011	2,282	5,635	2,137	4,005	3,907	3,521	2,586	1,386	1,084	1,014	1,050
Critical Water Years (16%)	312	841	2,641	1,216	2,114	1,901	1,341	1,178	1,071	881	828	600

Table F.2.2-13-10b. American River at H Street, NAA, 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

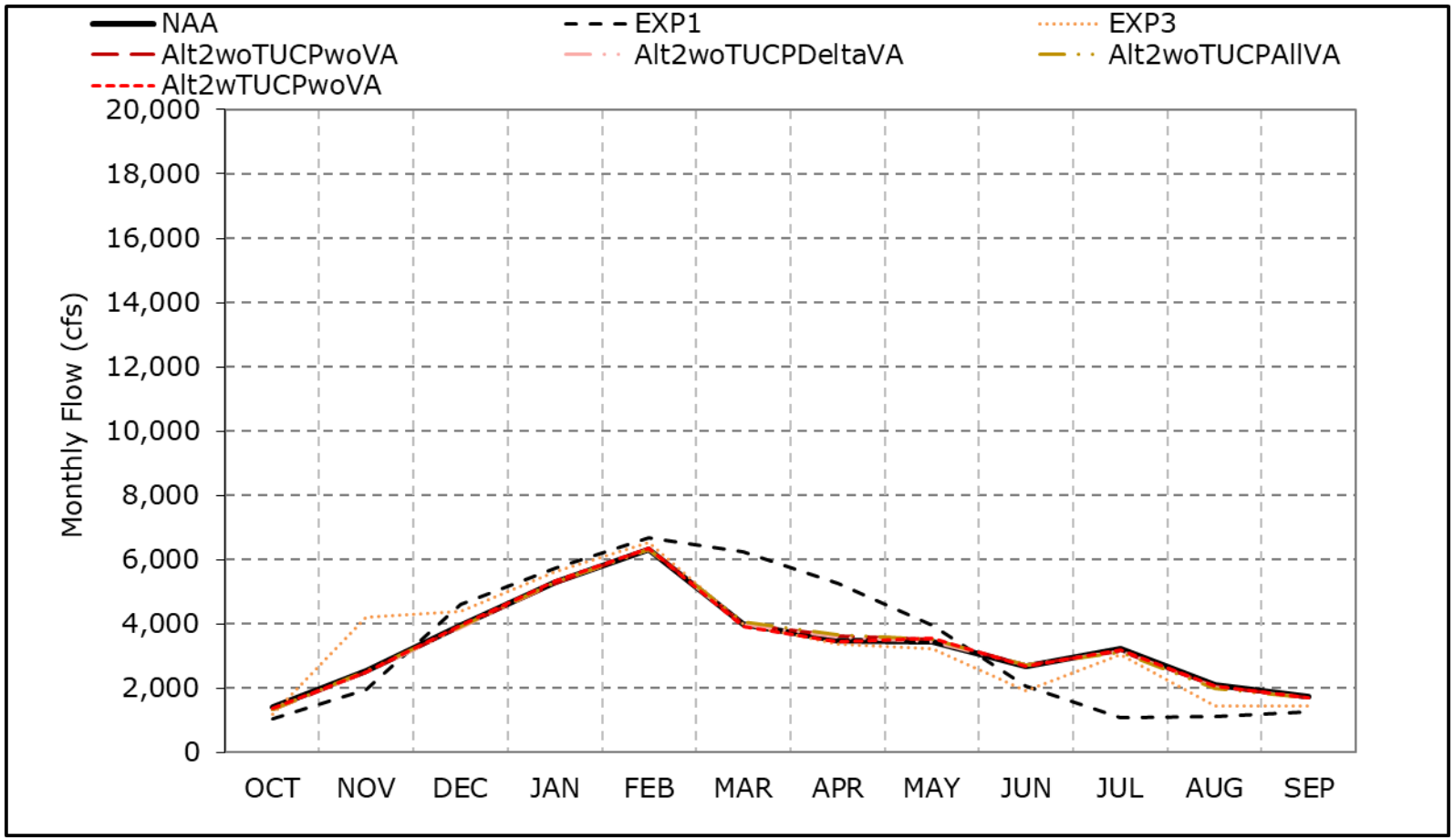
Table F.2.2-13-10c. American River at H Street, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	568	928	-439	404	11	-3,053	-2,455	-1,192	802	3,720	1,437	758
20% Exceedance	271	1,327	-1,397	-1,538	-464	-3,480	-2,553	-1,225	1,042	3,256	1,076	729
30% Exceedance	315	1,118	-826	-497	-455	-3,066	-3,053	-1,402	925	2,805	1,127	400
40% Exceedance	381	898	-1,396	-327	-488	-3,036	-2,313	-916	993	2,486	995	265
50% Exceedance	472	629	-866	-836	-593	-2,668	-2,360	-383	956	2,025	880	347
60% Exceedance	620	797	-304	-845	-544	-2,621	-1,568	-246	823	1,736	769	482
70% Exceedance	497	235	68	-392	-843	-1,473	-1,277	-137	529	1,426	753	529
80% Exceedance	254	77	-454	110	-441	-915	-791	351	338	1,233	685	539
90% Exceedance	244	-39	-674	-131	-139	-744	-224	456	-8	922	691	67
Full Simulation Period Average[a]	342	571	-672	-434	-361	-2,261	-1,798	-513	617	2,146	970	450
Wet Water Years (28%)	428	1,406	5	-188	-22	-2,941	-2,380	-988	192	2,207	1,303	544
Above Normal Water Years (14%)	587	541	-912	-979	-156	-2,916	-2,298	-952	1,084	3,433	919	773
Below Normal Water Years (18%)	305	305	-851	-754	-385	-2,456	-2,149	-248	756	3,182	1,035	364
Dry Water Years (24%)	120	-82	-511	-511	-829	-1,895	-1,444	-234	1,031	1,621	763	338
Critical Water Years (16%)	335	410	-1,737	87	-401	-827	-479	-13	172	535	667	267

[a] Based on the 100-year simulation period.

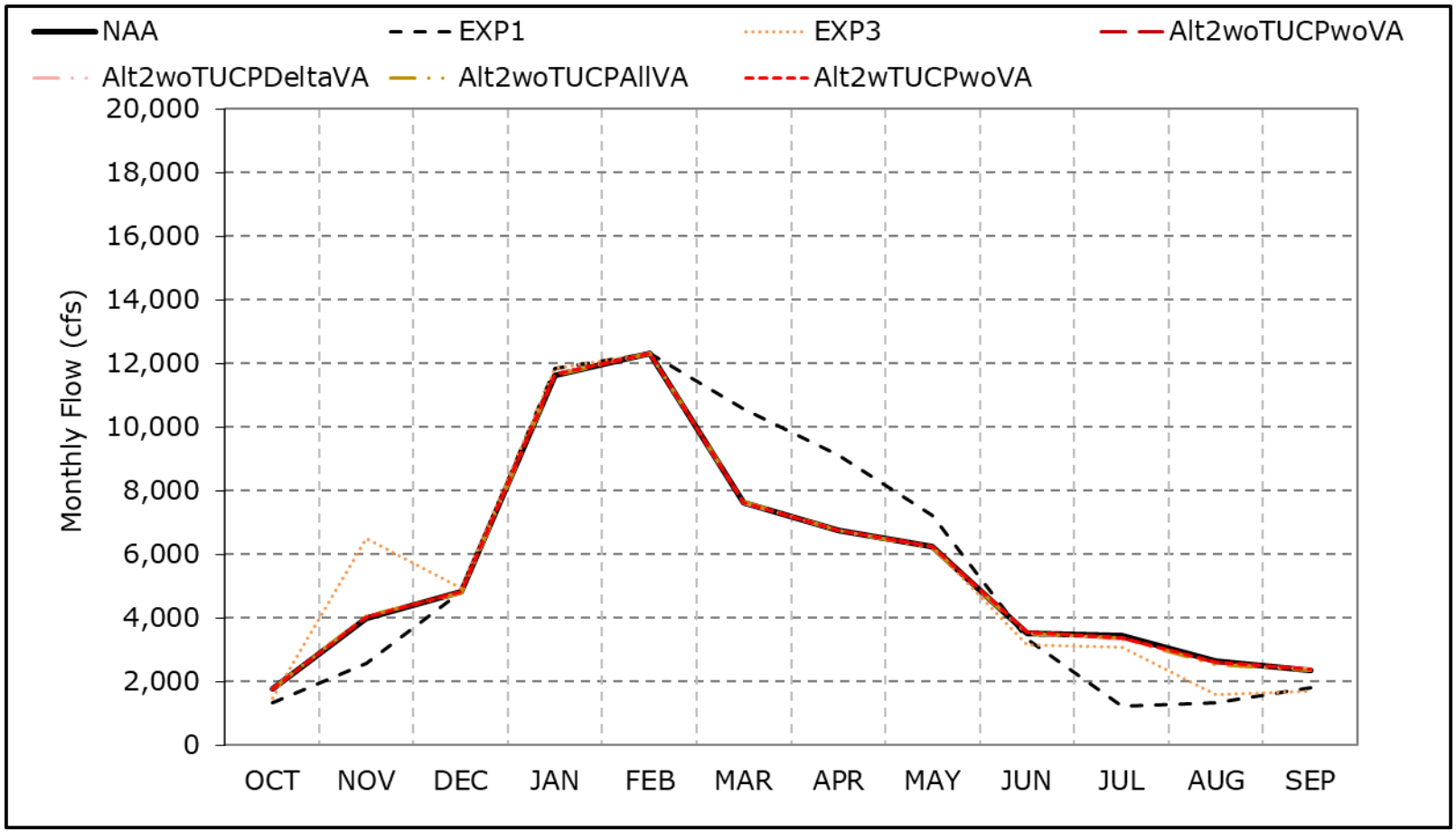
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-13-1. American River at H Street, Long-Term Average Flow



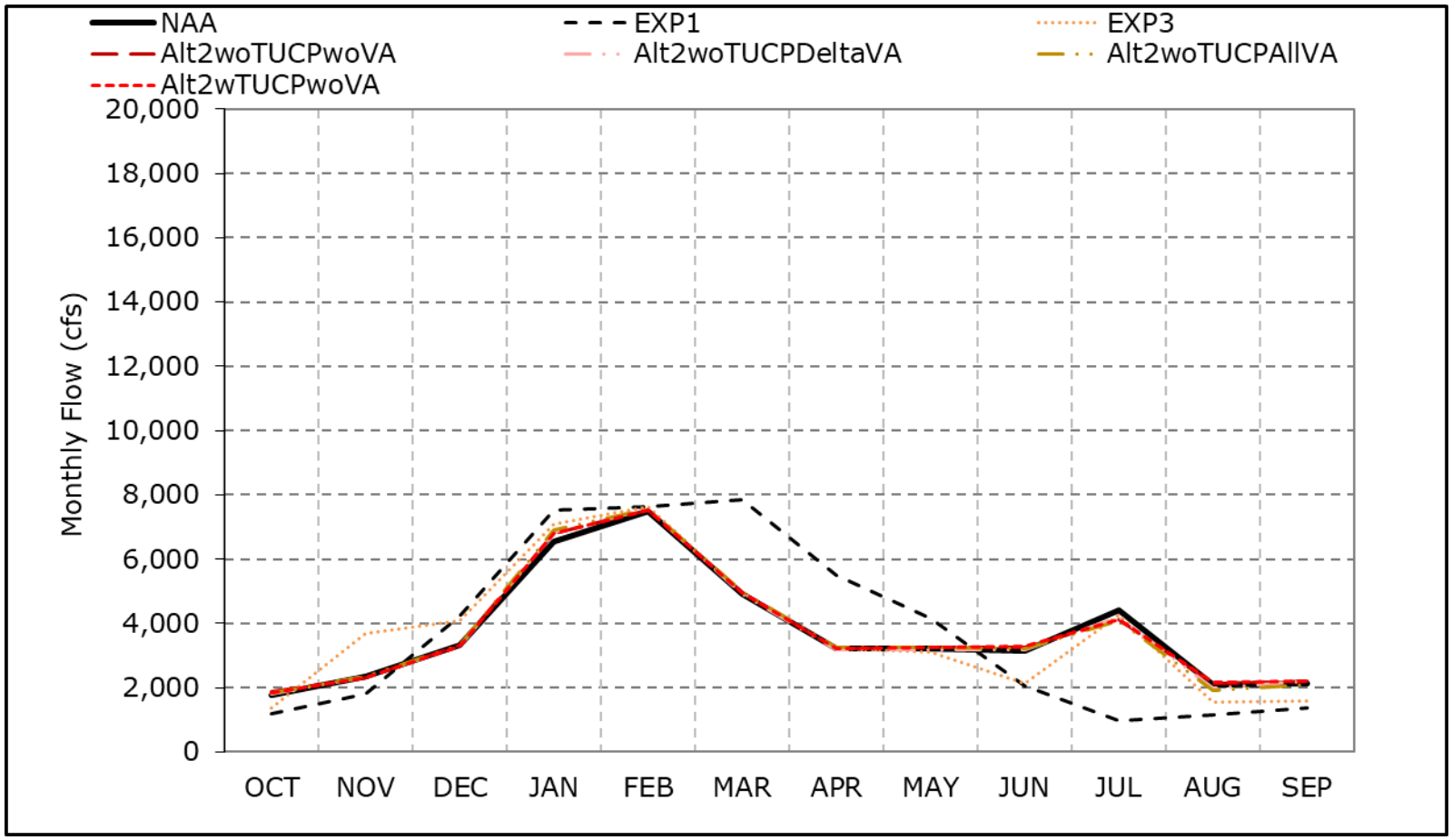
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-2. American River at H Street, Wet Year Average Flow



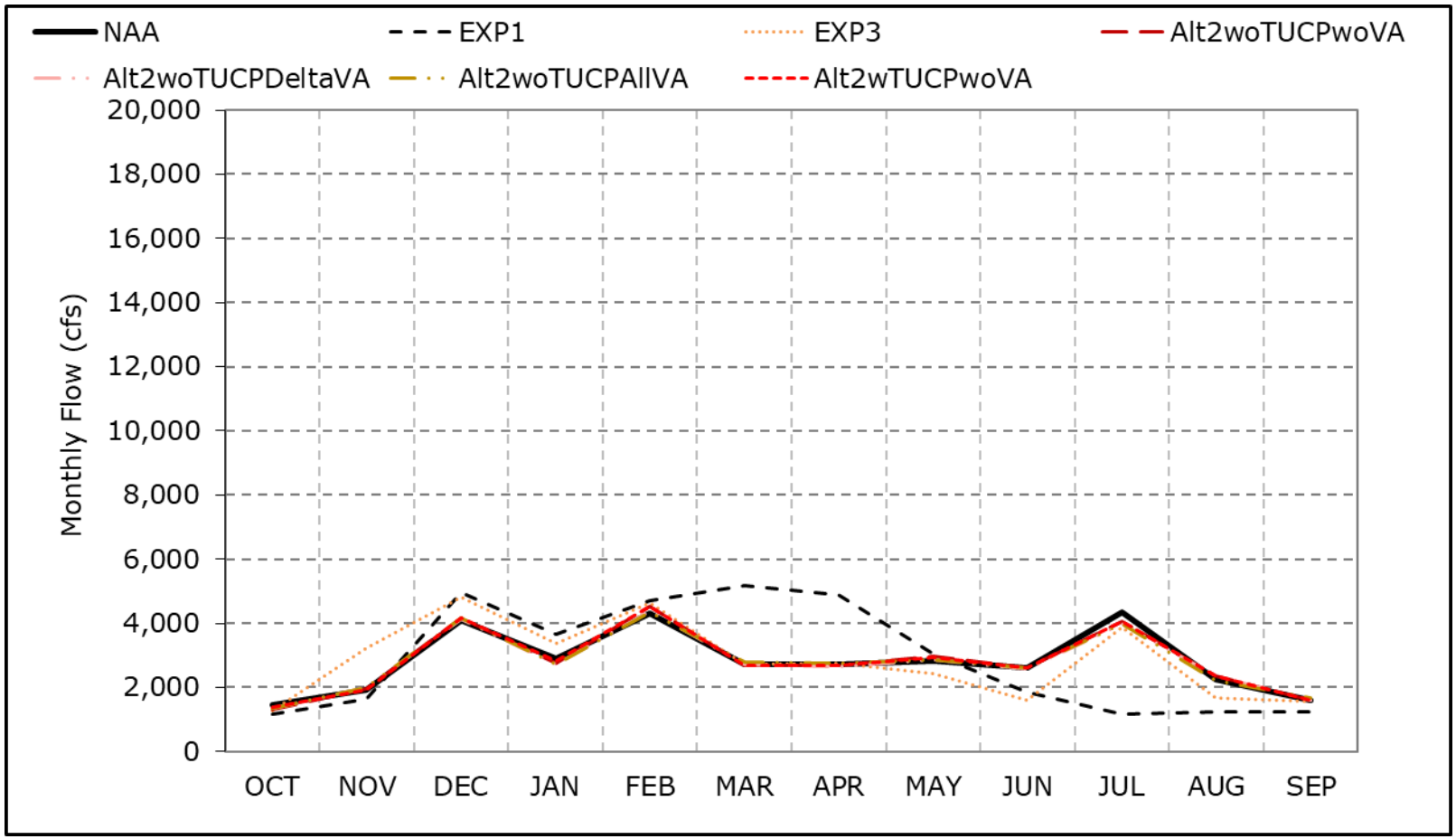
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-3. American River at H Street, Above Normal Year Average Flow



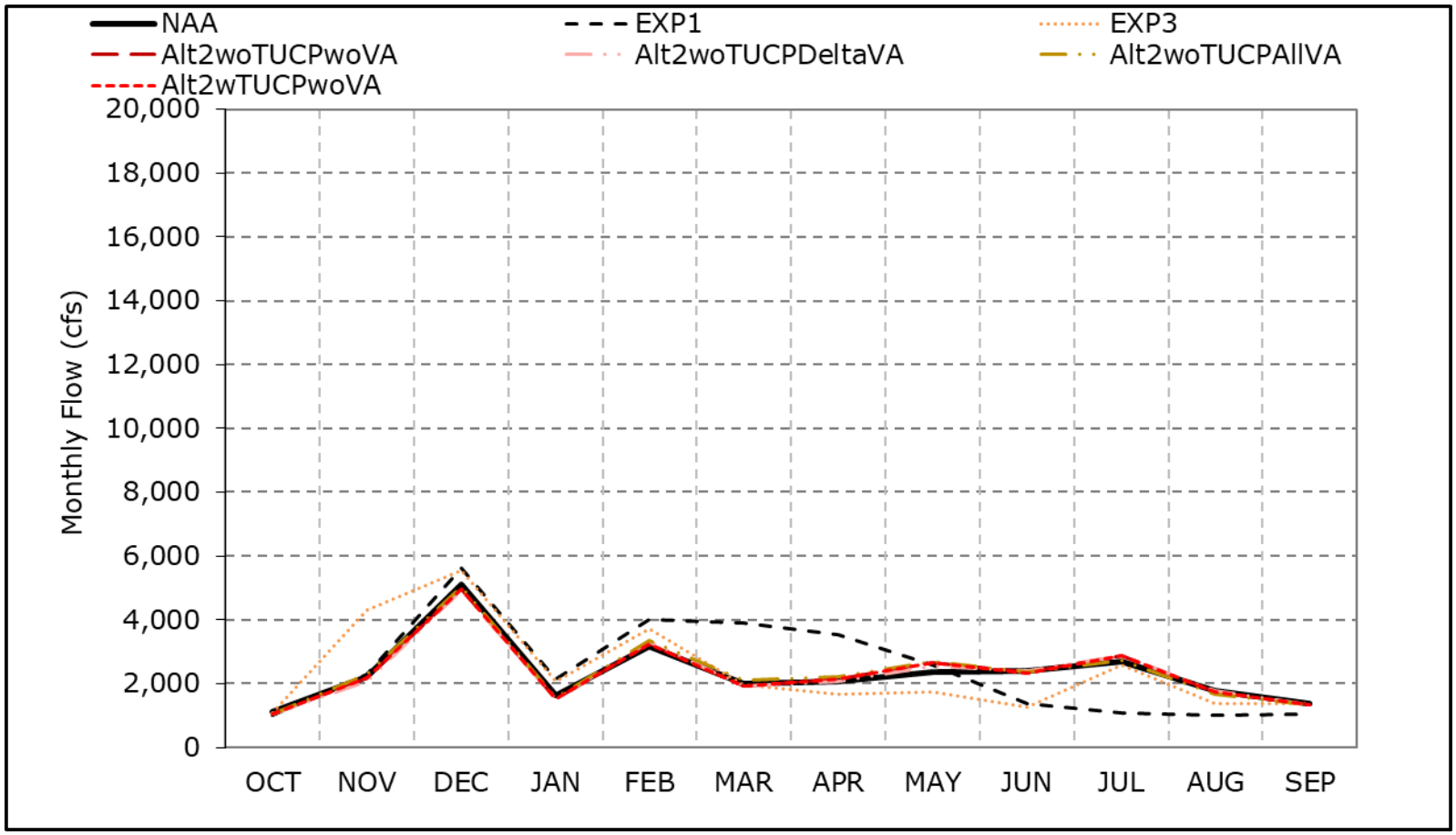
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-4. American River at H Street, Below Normal Year Average Flow



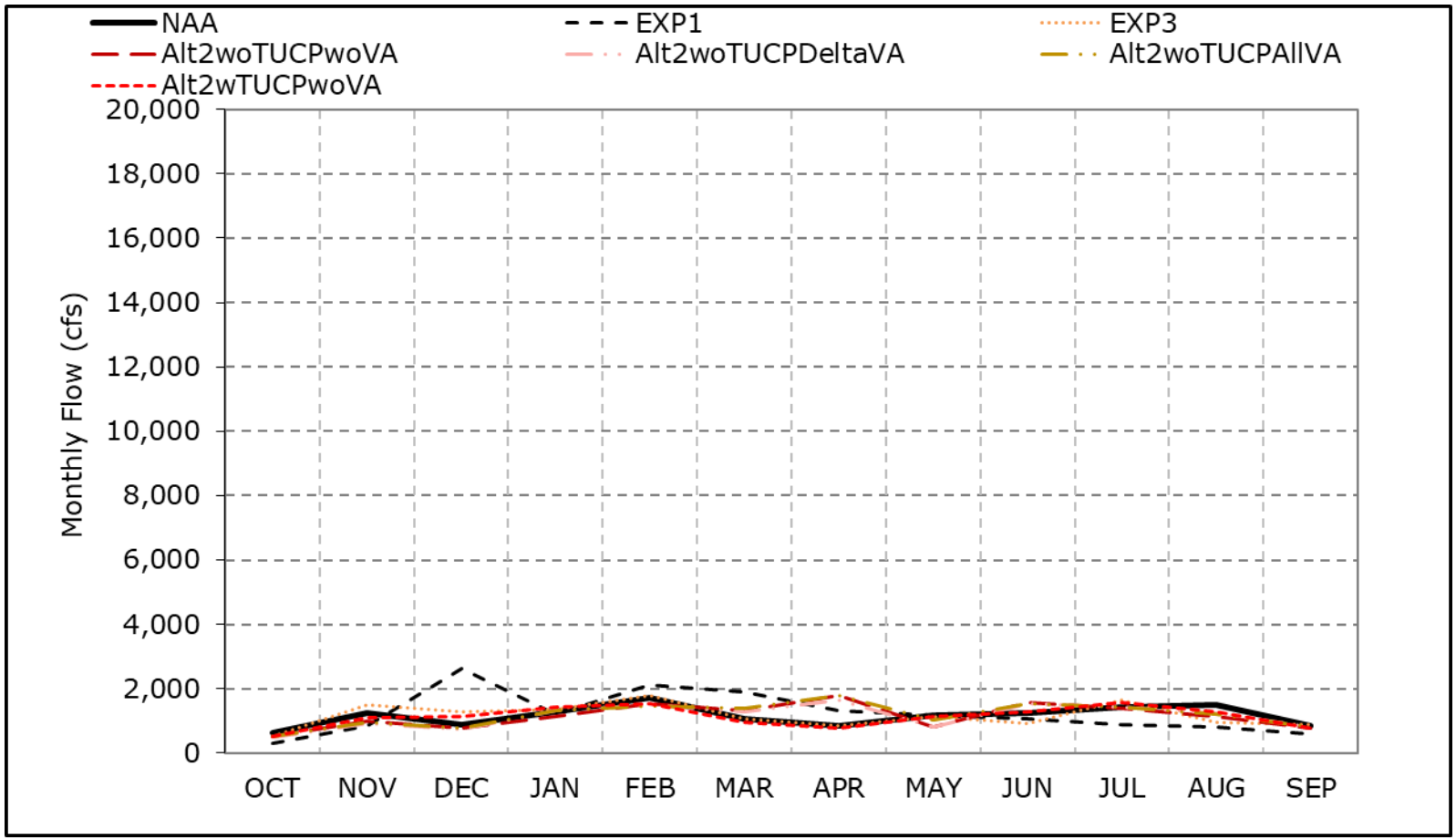
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-5. American River at H Street, Dry Year Average Flow



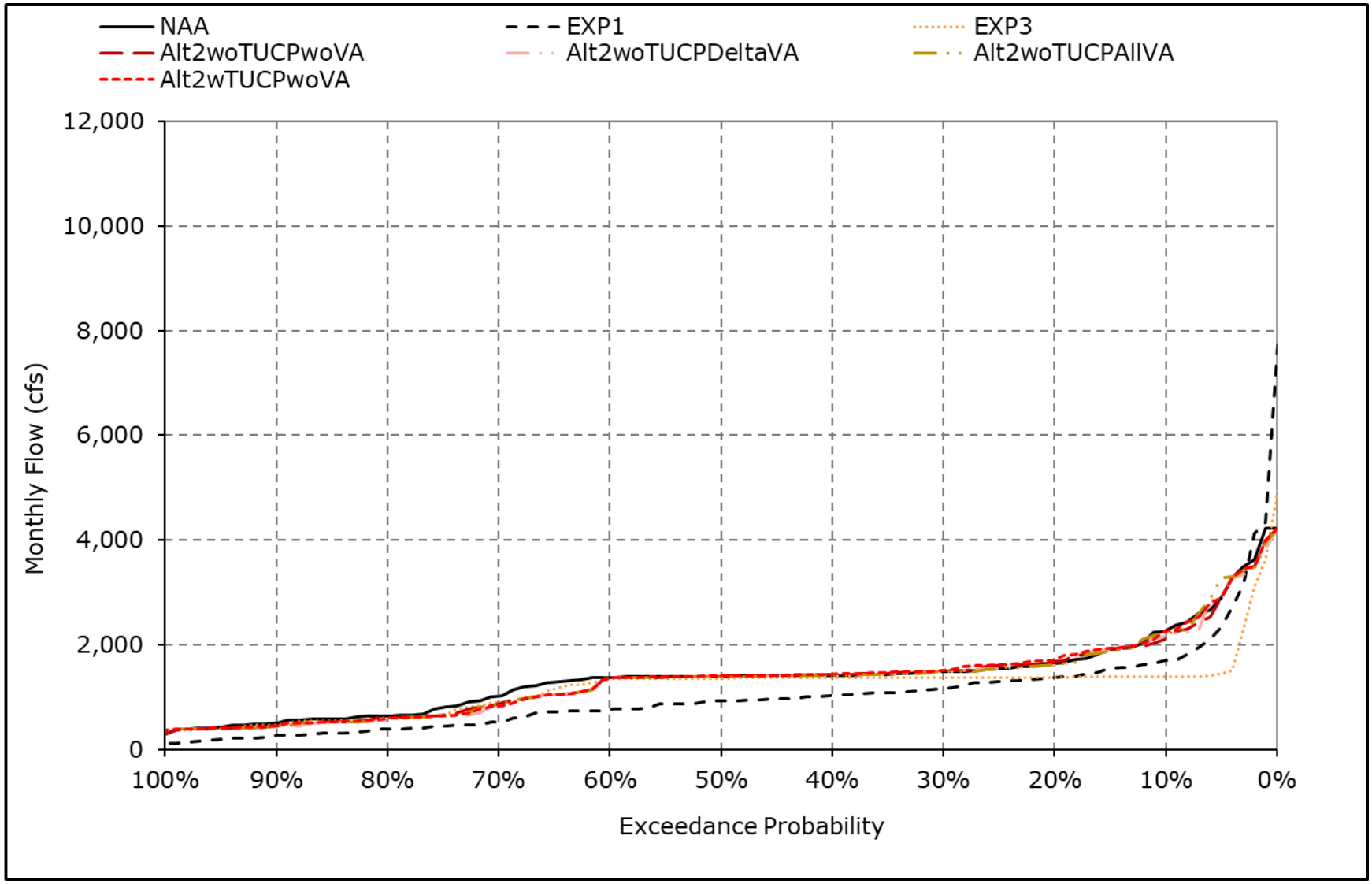
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-6. American River at H Street, Critical Year Average Flow



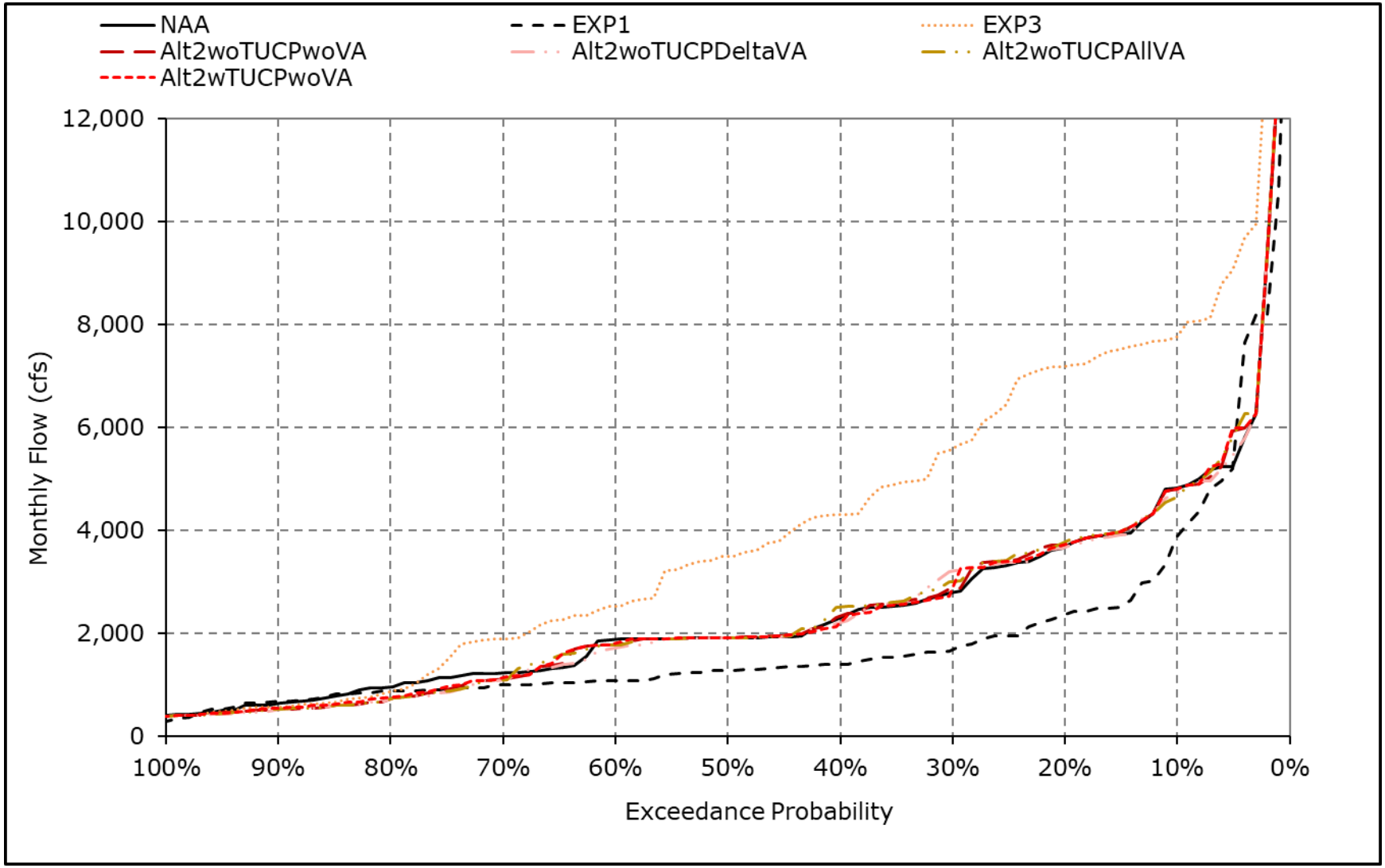
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-7. American River at H Street, October



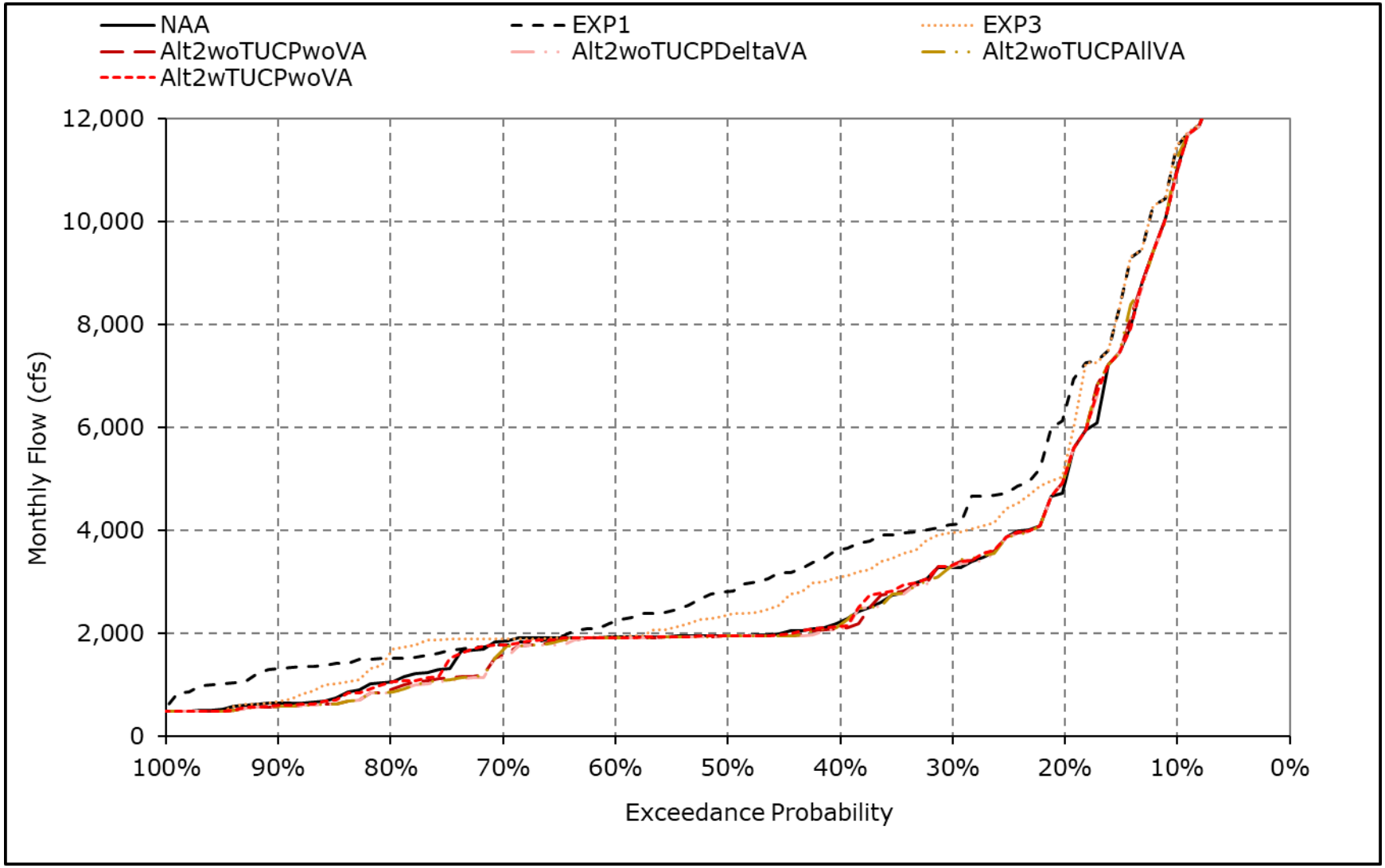
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-8. American River at H Street, November



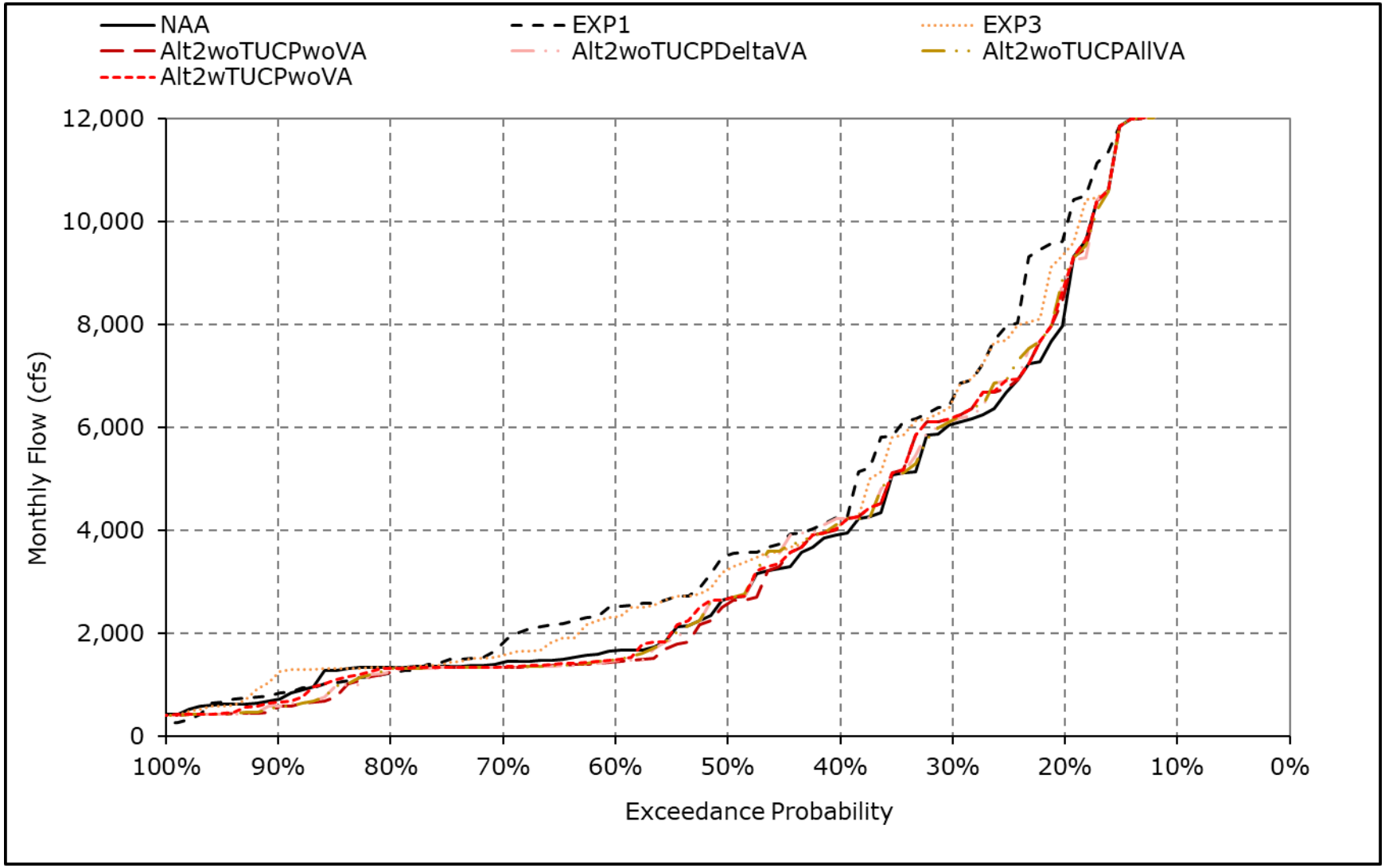
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-9. American River at H Street, December



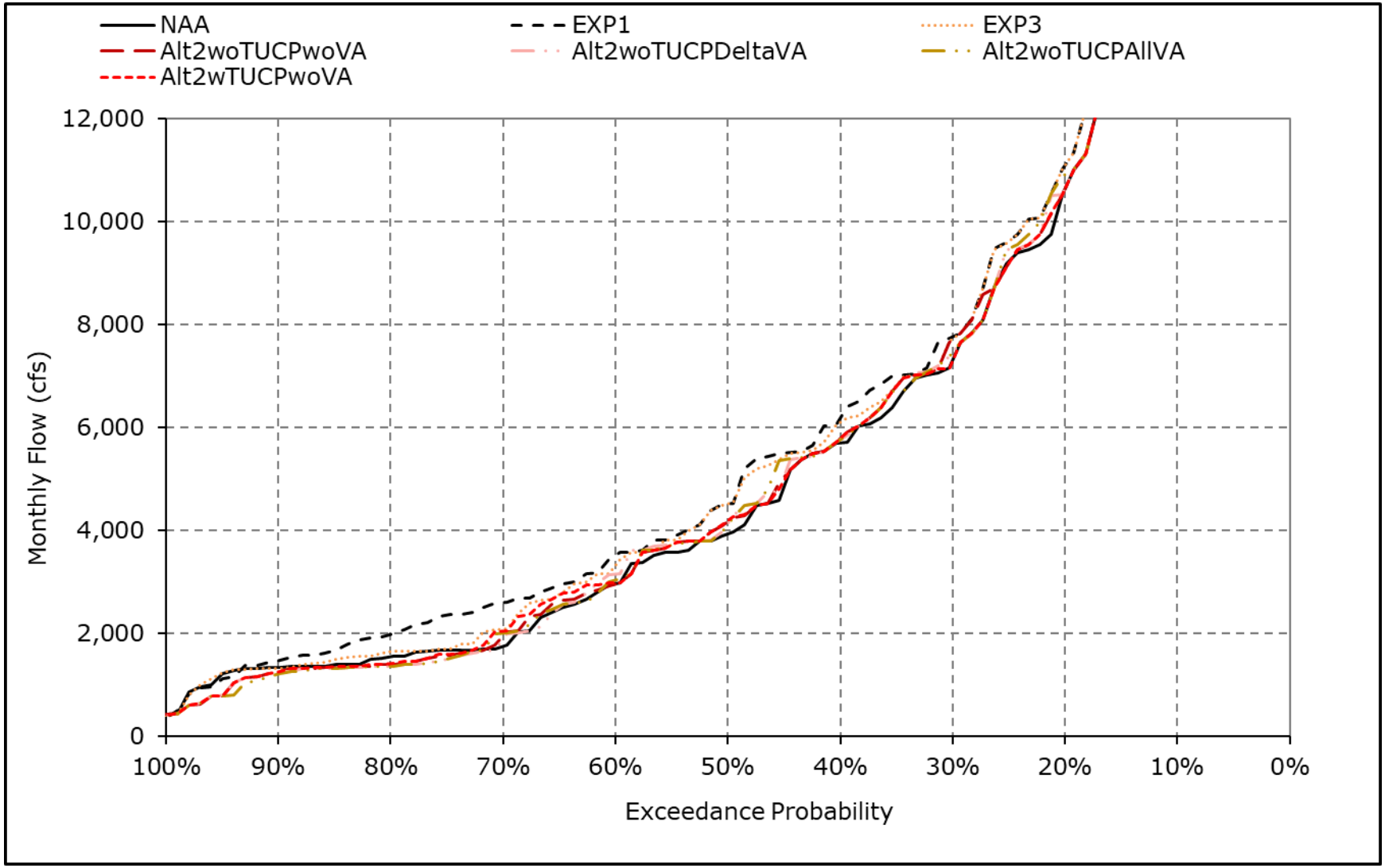
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-10. American River at H Street, January



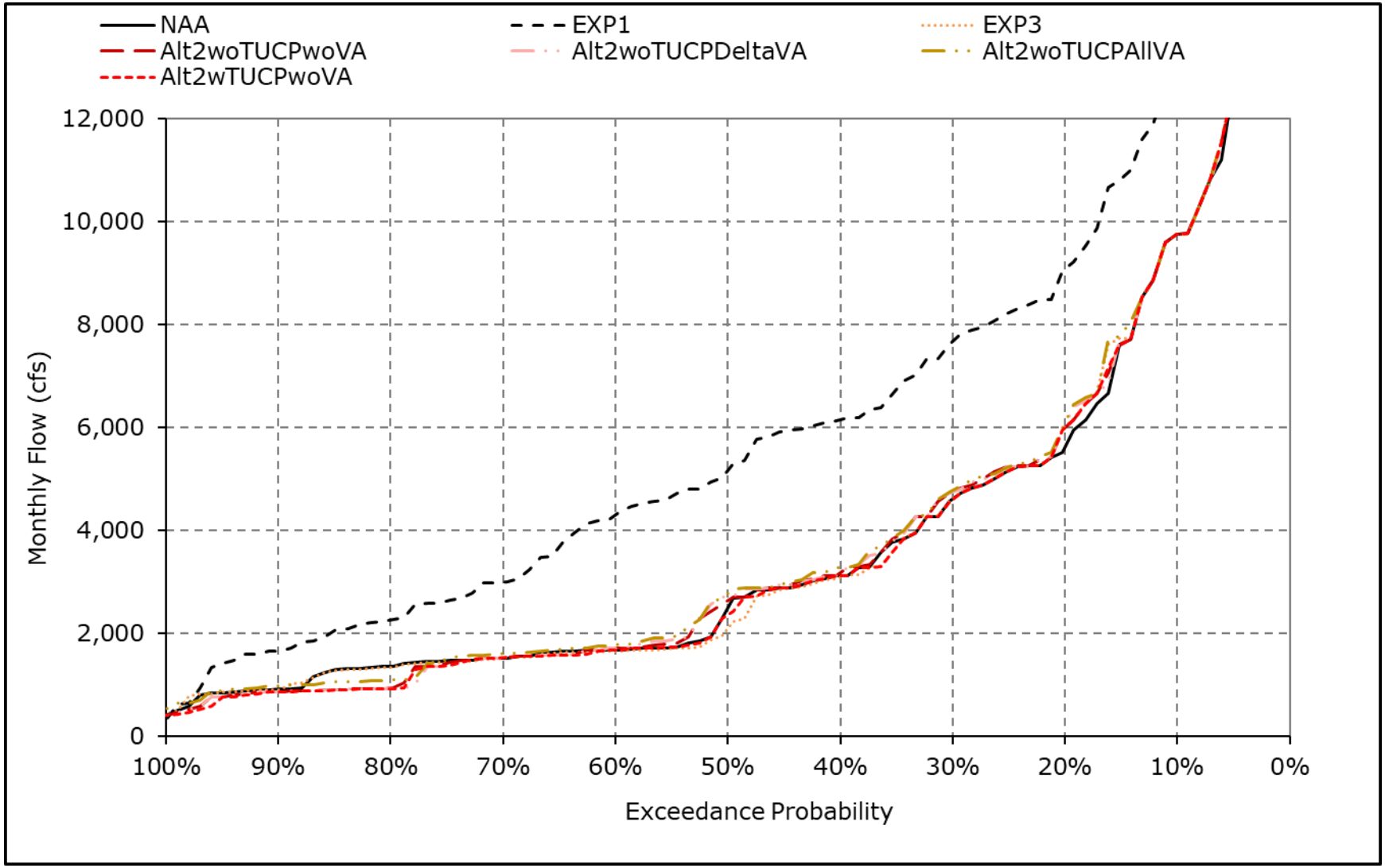
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-11. American River at H Street, February



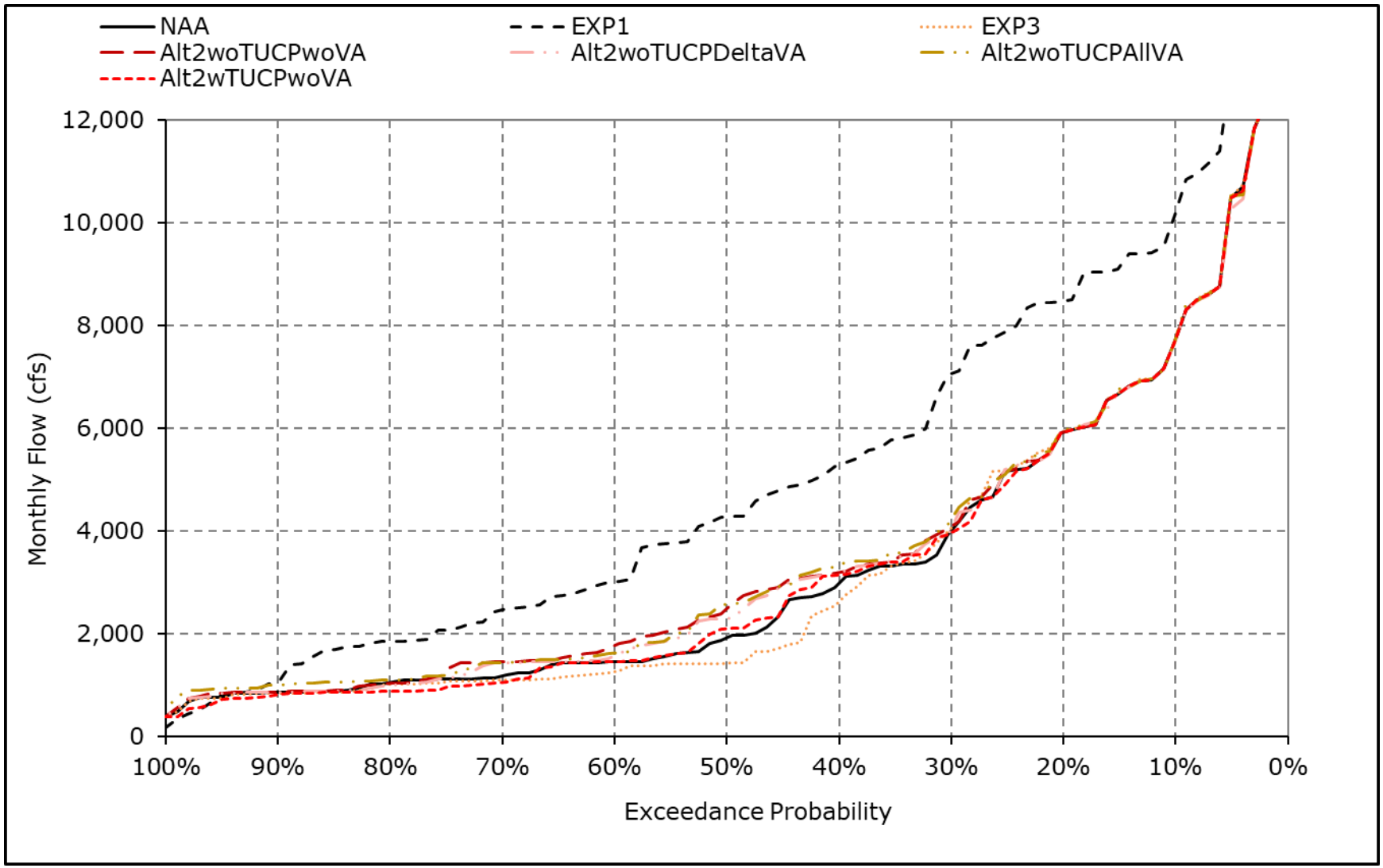
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-12. American River at H Street, March



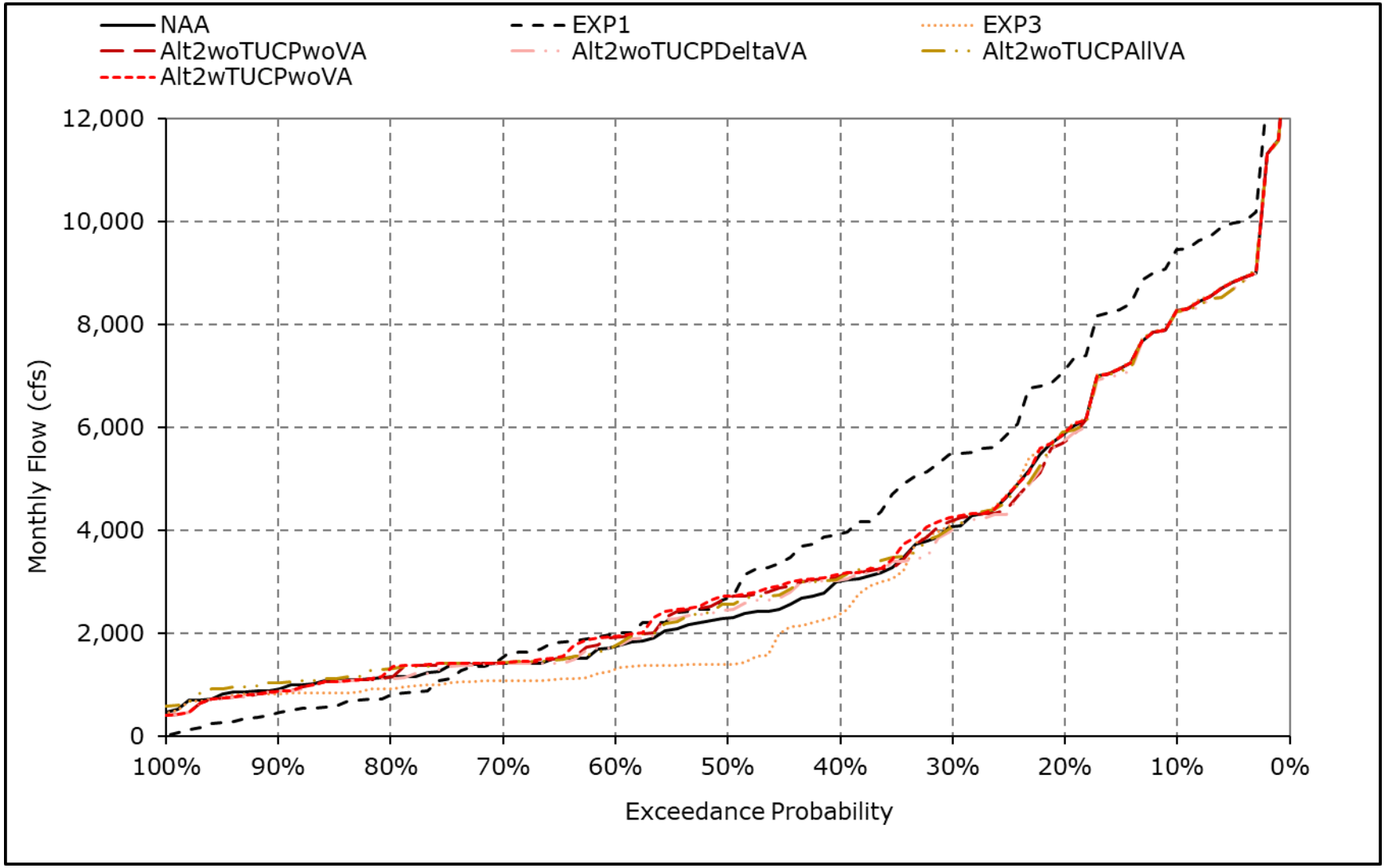
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-13. American River at H Street, April



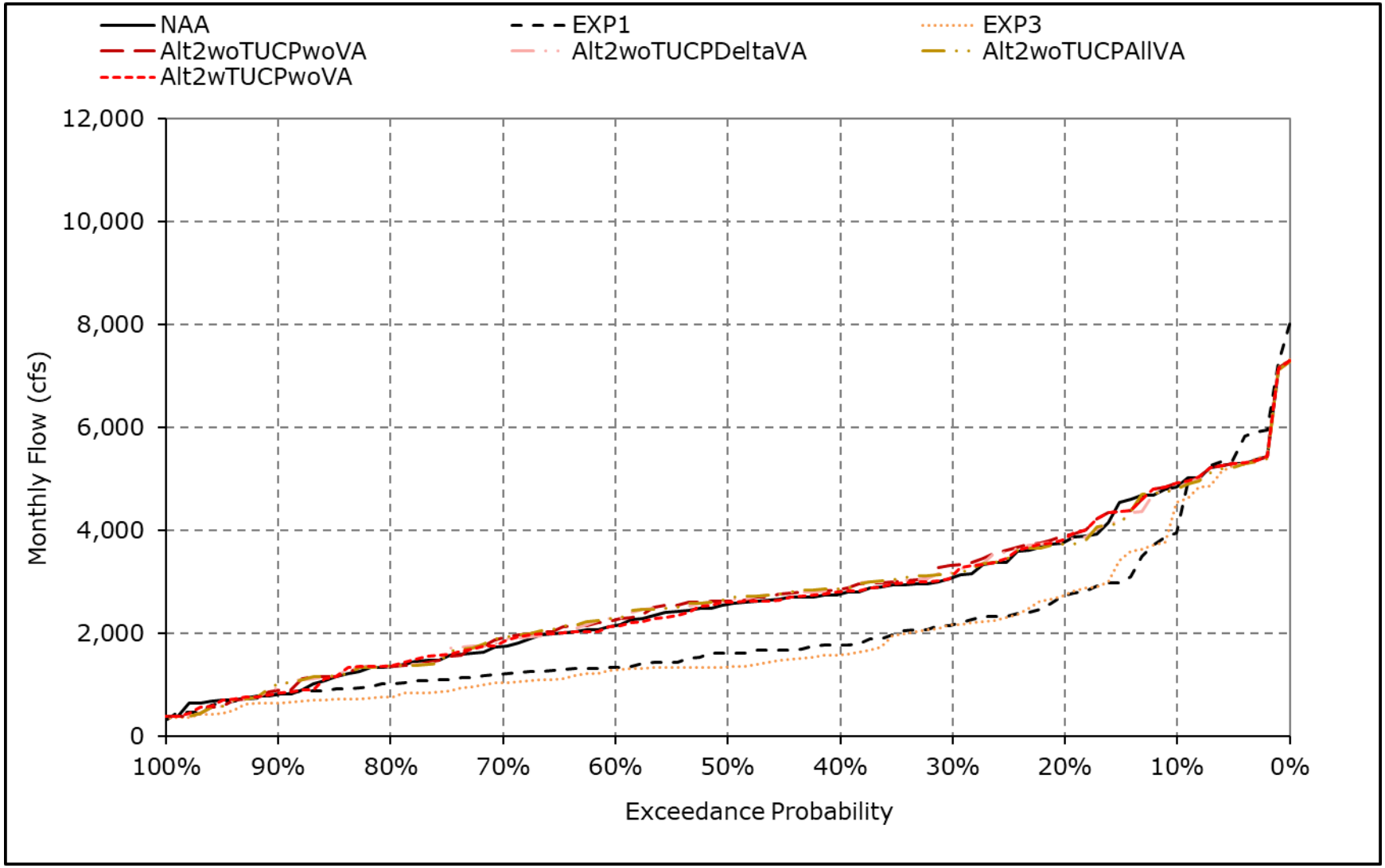
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-14. American River at H Street, May



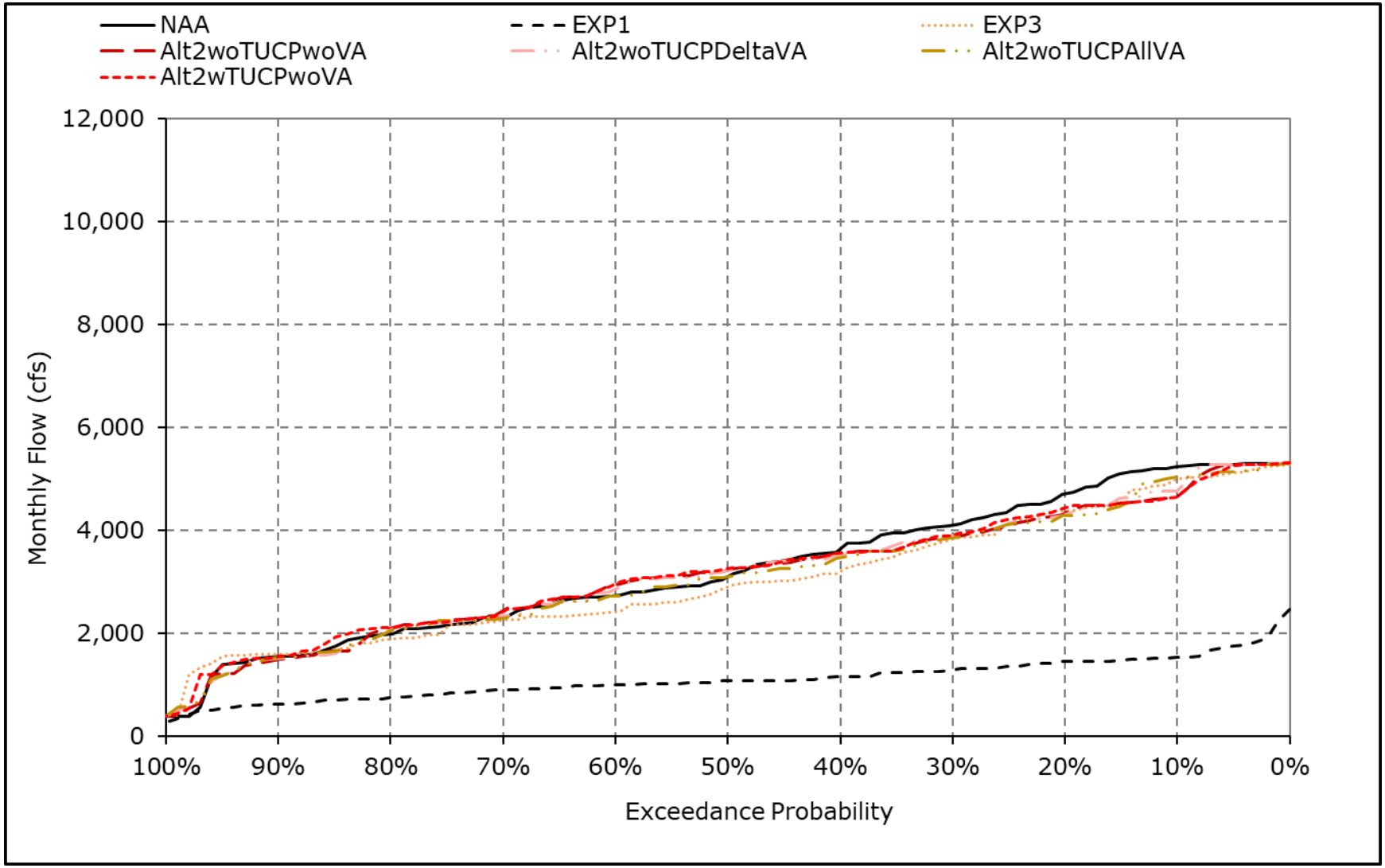
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-15. American River at H Street, June



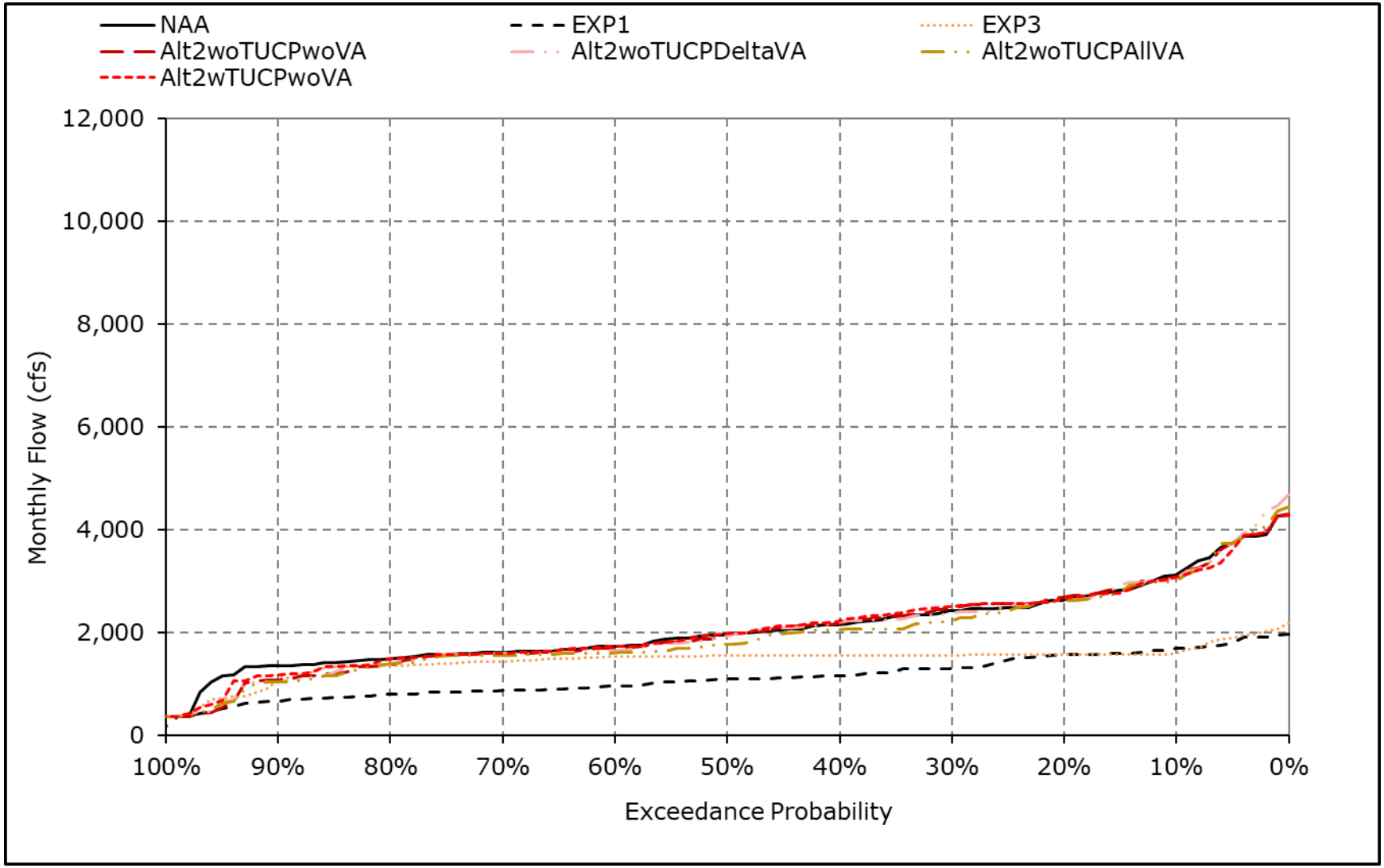
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-16. American River at H Street, July



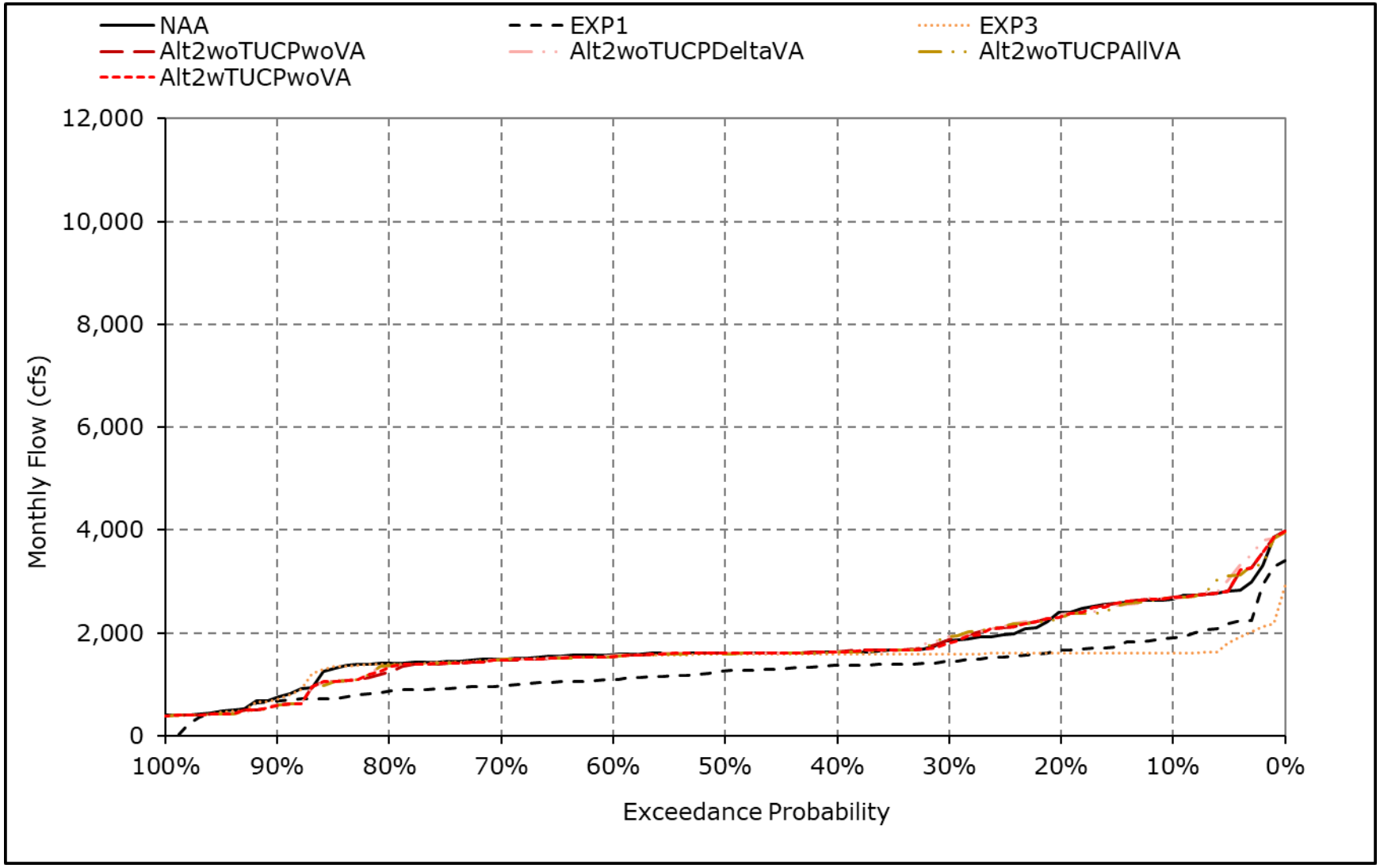
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-17. American River at H Street, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-13-18. American River at H Street, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-14-1a. Sacramento River Flow at Freeport, NAA, 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

Table F.2.2-14-1b. Sacramento River Flow at Freeport, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,555	19,159	55,558	67,331	73,616	68,539	47,145	29,611	16,154	22,852	18,880	21,294
20% Exceedance	13,965	15,029	37,148	57,249	64,124	57,440	35,095	22,862	14,436	21,699	17,766	19,115
30% Exceedance	13,310	13,910	25,889	37,332	51,026	43,368	25,482	17,540	13,617	20,891	17,273	16,760
40% Exceedance	12,388	13,291	19,600	29,473	44,313	31,276	20,244	14,463	13,360	19,287	16,787	15,179
50% Exceedance	10,815	12,468	16,136	24,987	31,331	24,808	15,809	12,543	12,923	18,190	15,819	11,709
60% Exceedance	9,259	11,206	14,066	19,778	23,413	21,958	13,613	12,046	12,814	16,697	12,821	10,696
70% Exceedance	7,898	9,966	12,225	15,712	19,698	18,904	11,909	11,402	12,256	15,015	10,217	9,909
80% Exceedance	6,672	8,470	10,444	12,918	16,984	14,978	11,456	10,486	11,477	12,116	8,955	9,303
90% Exceedance	6,074	7,113	9,005	10,909	13,086	11,117	10,022	9,018	9,856	10,178	7,887	8,231
Full Simulation Period Average[a]	11,039	13,648	24,145	31,996	38,378	33,475	23,284	16,686	13,463	17,298	13,912	13,782
Wet Water Years (28%)	14,435	17,475	26,936	54,993	62,781	54,853	41,475	25,182	15,861	19,470	17,234	19,188
Above Normal Water Years (14%)	13,752	15,037	23,194	42,526	50,699	45,603	24,667	17,650	14,356	21,817	18,455	18,494
Below Normal Water Years (18%)	10,162	12,639	28,470	25,779	27,113	25,604	17,650	15,400	13,396	19,716	15,175	11,567
Dry Water Years (24%)	9,234	12,664	24,469	16,102	25,879	20,902	14,381	12,679	12,962	15,242	10,511	10,083
Critical Water Years (16%)	5,928	7,902	14,178	13,375	16,316	13,164	9,933	8,434	9,312	9,909	7,804	8,240

Table F.2.2-14-1c. Sacramento River Flow at Freeport, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	2	433	837	190	247	-32	-11	57	-920	-35	861
20% Exceedance	182	351	-163	-108	-5	7	75	6	13	-903	-346	-314
30% Exceedance	150	327	-294	-644	-168	110	129	451	-428	-497	-206	168
40% Exceedance	205	-24	-40	-261	937	158	45	-246	-272	-281	-164	-52
50% Exceedance	-240	15	-488	424	178	353	15	-76	-492	101	-4	-63
60% Exceedance	-176	-389	45	-158	-191	176	-54	-79	-27	-241	-276	217
70% Exceedance	-19	92	-59	1,611	-98	-27	3	-111	139	-443	-749	-157
80% Exceedance	-217	60	-356	168	-502	265	558	13	194	-1,362	-518	29
90% Exceedance	-54	-55	-349	-10	-369	48	1,801	1,345	1,453	2,106	-367	-288
Full Simulation Period Average[a]	-64	118	44	131	87	66	456	55	88	-341	-256	92
Wet Water Years (28%)	-16	41	-97	151	22	1	-5	92	173	-385	-233	15
Above Normal Water Years (14%)	351	8	-58	314	-40	-525	-78	59	58	-784	-214	721
Below Normal Water Years (18%)	-405	399	204	-65	351	167	59	-416	89	-632	-258	-51
Dry Water Years (24%)	-42	-1	205	163	90	-34	111	123	-542	-787	-411	-24
Critical Water Years (16%)	-196	229	-42	109	13	735	2,692	417	908	1,122	-97	10

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-2a. Sacramento River Flow at Freeport, NAA, 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

Table F.2.2-14-2b. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,635	19,120	55,303	67,325	73,868	68,665	47,181	29,571	15,542	22,910	18,514	21,294
20% Exceedance	13,987	14,741	37,152	57,158	64,122	57,483	35,035	22,863	14,318	21,831	17,756	18,799
30% Exceedance	13,300	14,148	25,861	37,272	51,316	43,683	25,587	17,356	13,554	21,033	17,345	17,052
40% Exceedance	12,462	13,428	19,599	29,369	43,714	31,279	20,075	14,394	13,367	19,174	16,878	15,261
50% Exceedance	10,925	13,074	16,138	24,891	31,319	24,494	15,895	12,491	12,952	17,982	15,510	11,891
60% Exceedance	9,287	11,830	14,071	19,771	23,423	21,370	13,610	12,001	12,649	16,228	13,865	10,397
70% Exceedance	7,876	9,857	11,857	14,846	19,692	18,994	11,854	11,233	12,105	15,162	11,014	9,890
80% Exceedance	6,693	8,480	10,486	12,838	16,991	14,985	11,197	10,399	11,288	12,856	9,482	9,243
90% Exceedance	6,077	7,167	9,299	10,928	13,096	11,131	9,946	9,010	9,866	10,627	8,220	8,345
Full Simulation Period Average[a]	11,072	13,681	24,066	31,910	38,304	33,445	23,170	16,589	13,393	17,486	14,200	13,852
Wet Water Years (28%)	14,439	17,640	26,777	54,881	62,772	54,843	41,476	25,093	15,836	19,487	17,231	19,300
Above Normal Water Years (14%)	13,751	15,225	23,182	42,603	50,728	45,572	24,565	17,555	14,135	22,012	18,375	18,783
Below Normal Water Years (18%)	10,403	12,715	28,492	25,670	26,890	25,574	17,394	15,231	13,361	19,574	15,795	11,625
Dry Water Years (24%)	9,206	12,549	24,449	15,943	25,961	20,863	14,195	12,555	12,851	15,615	11,164	10,010
Critical Water Years (16%)	5,898	7,717	13,969	13,327	15,970	13,117	9,873	8,441	9,318	10,482	8,001	8,270

Table F.2.2-14-2c. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	89	-37	178	830	442	374	4	-50	-555	-861	-402	861
20% Exceedance	205	62	-159	-199	-7	51	15	8	-104	-771	-355	-630
30% Exceedance	140	565	-323	-705	122	425	234	266	-491	-355	-135	460
40% Exceedance	279	113	-42	-365	338	160	-124	-315	-264	-394	-72	30
50% Exceedance	-130	621	-486	327	166	39	101	-128	-463	-106	-313	119
60% Exceedance	-147	235	50	-165	-182	-412	-57	-124	-192	-709	768	-82
70% Exceedance	-41	-16	-428	744	-103	63	-52	-279	-11	-295	48	-175
80% Exceedance	-196	70	-314	87	-496	273	298	-74	6	-622	9	-31
90% Exceedance	-51	0	-55	10	-359	62	1,724	1,337	1,462	2,555	-34	-174
Full Simulation Period Average[a]	-31	151	-35	45	13	37	342	-42	18	-153	32	161
Wet Water Years (28%)	-12	206	-256	39	12	-8	-4	3	149	-368	-236	127
Above Normal Water Years (14%)	350	196	-70	392	-11	-556	-179	-36	-164	-589	-295	1,010
Below Normal Water Years (18%)	-163	475	225	-174	127	137	-197	-585	54	-774	362	8
Dry Water Years (24%)	-70	-116	184	4	172	-73	-75	-1	-653	-414	242	-97
Critical Water Years (16%)	-226	45	-251	61	-332	688	2,632	424	914	1,694	100	40

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-3a. Sacramento River Flow at Freeport, NAA, 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

Table F.2.2-14-3b. Sacramento River Flow at Freeport, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,548	19,137	55,609	67,858	73,868	68,734	47,626	29,587	15,053	23,250	18,642	21,314
20% Exceedance	13,957	14,827	37,756	57,409	64,190	57,494	36,829	23,146	14,008	21,875	17,873	18,945
30% Exceedance	13,236	14,313	25,960	37,352	51,320	43,507	27,170	17,463	13,513	20,979	17,212	16,961
40% Exceedance	12,490	13,460	19,614	29,466	43,521	31,280	21,473	15,414	13,040	19,255	16,903	15,963
50% Exceedance	11,064	13,098	16,121	25,207	30,974	24,594	17,461	13,619	12,875	18,064	15,485	11,975
60% Exceedance	9,335	11,715	14,045	19,734	23,389	21,519	14,740	12,340	12,574	16,489	13,817	10,915
70% Exceedance	7,959	9,879	11,963	14,736	19,680	19,031	13,371	11,789	11,818	14,823	10,953	9,905
80% Exceedance	6,716	8,615	10,520	12,846	16,991	14,943	11,767	10,841	11,211	12,684	9,618	9,253
90% Exceedance	6,075	7,139	8,997	10,892	13,375	11,275	10,884	9,657	9,583	10,763	8,114	8,465
Full Simulation Period Average[a]	11,147	13,783	24,148	31,950	38,407	33,494	24,303	17,240	13,226	17,507	14,211	13,882
Wet Water Years (28%)	14,411	17,634	26,780	54,992	62,946	54,780	41,708	25,225	15,798	19,533	17,260	19,270
Above Normal Water Years (14%)	13,734	15,316	23,271	42,845	50,887	45,527	26,396	18,908	13,834	22,094	18,284	18,697
Below Normal Water Years (18%)	10,655	12,748	28,563	25,702	26,955	25,607	19,744	16,343	12,966	19,645	15,771	11,937
Dry Water Years (24%)	9,313	12,923	24,676	15,943	26,050	21,054	15,556	13,155	12,718	15,530	11,226	10,017
Critical Water Years (16%)	5,991	7,679	13,968	13,130	15,963	13,249	10,264	8,942	9,247	10,510	8,035	8,226

Table F.2.2-14-3c. Sacramento River Flow at Freeport, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	-21	483	1,363	442	443	450	-34	-1,044	-521	-273	881
20% Exceedance	175	149	444	52	62	62	1,808	290	-414	-728	-239	-484
30% Exceedance	75	730	-223	-625	126	248	1,817	374	-532	-409	-267	369
40% Exceedance	307	144	-26	-268	146	162	1,274	705	-592	-313	-47	732
50% Exceedance	9	645	-502	643	-179	139	1,667	1,000	-541	-25	-338	204
60% Exceedance	-100	120	23	-202	-215	-263	1,074	215	-267	-449	719	436
70% Exceedance	42	5	-322	635	-115	100	1,465	276	-298	-634	-13	-161
80% Exceedance	-173	205	-280	96	-496	231	868	367	-71	-794	145	-22
90% Exceedance	-53	-29	-357	-27	-81	205	2,663	1,983	1,179	2,691	-140	-54
Full Simulation Period Average[a]	43	253	46	84	116	86	1,475	608	-149	-132	44	192
Wet Water Years (28%)	-40	200	-253	150	187	-72	228	134	111	-322	-206	97
Above Normal Water Years (14%)	333	287	19	633	148	-601	1,652	1,317	-464	-507	-385	923
Below Normal Water Years (18%)	88	508	296	-142	193	169	2,153	527	-341	-703	339	319
Dry Water Years (24%)	37	258	411	4	262	118	1,286	599	-787	-500	304	-90
Critical Water Years (16%)	-133	6	-252	-136	-339	820	3,023	925	843	1,723	134	-4

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-4a. Sacramento River Flow at Freeport, NAA, 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

Table F.2.2-14-4b. Sacramento River Flow at Freeport, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,555	19,173	55,571	67,259	73,616	68,482	47,211	29,612	16,154	22,849	18,878	21,293
20% Exceedance	13,965	14,948	37,147	57,540	64,124	57,440	35,102	22,863	14,435	21,699	17,855	19,115
30% Exceedance	13,314	13,929	25,895	37,235	51,175	43,701	25,499	17,541	13,617	20,879	17,262	16,760
40% Exceedance	12,346	13,292	19,601	29,982	43,785	31,183	20,178	14,650	13,364	19,283	16,791	15,216
50% Exceedance	10,910	12,475	16,852	25,049	31,332	24,810	15,810	12,701	12,925	18,332	15,848	11,837
60% Exceedance	9,462	11,208	14,082	19,789	23,414	21,964	13,616	12,123	12,816	16,749	13,031	10,924
70% Exceedance	8,008	9,981	12,232	15,643	19,699	18,905	11,909	11,426	12,247	15,146	10,485	10,087
80% Exceedance	6,673	8,476	10,546	13,006	17,214	14,746	11,135	10,486	11,207	12,420	9,061	9,238
90% Exceedance	6,081	7,168	9,376	11,639	13,090	10,734	8,739	8,208	9,195	8,195	7,553	8,472
Full Simulation Period Average[a]	11,105	13,683	24,210	32,148	38,355	33,374	22,933	16,694	13,294	17,105	14,012	13,829
Wet Water Years (28%)	14,438	17,475	26,948	55,011	62,782	54,858	41,484	25,185	15,861	19,458	17,235	19,186
Above Normal Water Years (14%)	13,749	15,043	23,202	42,660	50,749	46,044	24,720	17,661	14,359	21,809	18,518	18,518
Below Normal Water Years (18%)	10,353	12,658	28,486	25,888	27,232	25,630	17,712	15,508	13,347	19,783	15,736	11,762
Dry Water Years (24%)	9,236	12,674	24,472	16,092	25,918	20,897	14,386	12,690	12,962	15,282	10,549	10,089
Critical Water Years (16%)	6,130	8,090	14,558	14,064	15,934	12,117	7,600	8,325	8,305	8,591	7,684	8,288

Table F.2.2-14-4c. Sacramento River Flow at Freeport, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	16	445	765	191	191	34	-10	57	-922	-38	860
20% Exceedance	183	269	-164	183	-4	8	82	7	13	-904	-257	-314
30% Exceedance	154	346	-289	-741	-19	442	146	452	-429	-509	-217	168
40% Exceedance	162	-24	-40	248	409	64	-21	-59	-267	-285	-159	-16
50% Exceedance	-145	23	228	486	179	355	15	82	-491	243	24	65
60% Exceedance	27	-387	60	-147	-190	183	-51	-2	-25	-188	-66	445
70% Exceedance	91	107	-53	1,542	-97	-26	3	-86	131	-312	-481	21
80% Exceedance	-216	65	-254	256	-272	34	236	13	-76	-1,058	-412	-36
90% Exceedance	-47	0	23	721	-365	-336	518	535	791	122	-701	-47
Full Simulation Period Average[a]	1	153	109	282	64	-34	105	62	-81	-535	-156	139
Wet Water Years (28%)	-13	40	-85	169	22	7	4	95	174	-398	-232	13
Above Normal Water Years (14%)	348	14	-50	448	10	-84	-24	70	61	-792	-152	745
Below Normal Water Years (18%)	-213	417	220	44	469	193	121	-308	40	-565	304	145
Dry Water Years (24%)	-40	8	207	153	130	-39	116	134	-542	-747	-373	-19
Critical Water Years (16%)	6	417	338	798	-368	-311	359	308	-99	-196	-217	58

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-5a. Sacramento River Flow at Freeport, NAA, 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

Table F.2.2-14-5b. Sacramento River Flow at Freeport, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,978	20,067	62,439	70,454	74,793	69,622	49,155	29,212	14,441	10,316	8,187	10,652
20% Exceedance	9,089	15,569	53,086	59,955	66,579	59,110	37,996	23,314	11,076	9,836	7,626	10,000
30% Exceedance	8,442	13,438	43,202	43,000	56,518	46,514	26,686	15,795	8,452	9,400	7,198	9,710
40% Exceedance	7,946	11,959	31,575	34,173	48,942	36,661	19,834	11,645	7,706	9,043	7,027	9,539
50% Exceedance	7,815	11,027	25,908	29,354	31,740	29,237	14,477	10,614	7,253	8,787	6,887	9,343
60% Exceedance	7,659	10,491	21,883	22,318	25,643	24,043	10,808	9,998	6,651	8,608	6,716	9,187
70% Exceedance	7,273	9,531	16,581	16,591	21,558	20,346	9,435	8,601	6,171	8,068	6,607	9,100
80% Exceedance	6,498	8,240	11,227	12,726	16,690	13,741	8,419	7,816	5,928	7,685	6,486	8,749
90% Exceedance	6,030	6,865	8,661	11,074	12,596	11,031	7,057	7,363	5,539	7,044	6,348	8,113
Full Simulation Period Average[a]	8,334	13,463	31,465	34,017	40,095	35,190	22,504	15,398	9,096	8,772	7,066	9,486
Wet Water Years (28%)	8,871	17,027	38,915	57,438	63,300	54,800	41,616	24,792	13,324	9,000	7,666	10,274
Above Normal Water Years (14%)	8,660	13,475	33,874	45,689	54,631	48,078	24,976	16,668	9,669	9,782	7,338	9,715
Below Normal Water Years (18%)	8,376	12,224	34,965	29,124	30,074	29,128	17,523	13,407	7,901	9,189	6,933	9,724
Dry Water Years (24%)	8,917	13,881	28,835	17,259	28,328	24,569	12,853	10,173	6,677	8,520	6,677	9,222
Critical Water Years (16%)	6,021	7,616	15,161	13,459	15,689	12,343	6,976	7,924	6,169	7,395	6,509	8,033

Table F.2.2-14-5c. Sacramento River Flow at Freeport, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5,567	910	7,314	3,960	1,368	1,331	1,978	-410	-1,657	-13,455	-10,728	-9,781
20% Exceedance	-4,693	891	15,774	2,598	2,451	1,678	2,975	458	-3,347	-12,766	-10,486	-9,429
30% Exceedance	-4,718	-145	17,019	5,023	5,325	3,255	1,333	-1,294	-5,594	-11,988	-10,282	-6,882
40% Exceedance	-4,237	-1,357	11,934	4,438	5,567	5,543	-365	-3,064	-5,925	-10,525	-9,923	-5,693
50% Exceedance	-3,241	-1,426	9,284	4,790	587	4,781	-1,317	-2,005	-6,163	-9,302	-8,937	-2,429
60% Exceedance	-1,775	-1,104	7,861	2,382	2,039	2,261	-2,858	-2,127	-6,190	-8,330	-6,381	-1,292
70% Exceedance	-644	-342	4,297	2,489	1,763	1,415	-2,471	-2,912	-5,945	-7,389	-4,359	-966
80% Exceedance	-391	-170	427	-24	-796	-971	-2,480	-2,657	-5,355	-5,793	-2,987	-525
90% Exceedance	-97	-303	-693	155	-859	-38	-1,164	-310	-2,865	-1,029	-1,906	-406
Full Simulation Period Average[a]	-2,770	-67	7,364	2,152	1,804	1,781	-324	-1,233	-4,279	-8,868	-7,102	-4,205
Wet Water Years (28%)	-5,580	-407	11,882	2,595	541	-51	136	-298	-2,363	-10,855	-9,800	-8,899
Above Normal Water Years (14%)	-4,742	-1,554	10,622	3,477	3,892	1,950	232	-923	-4,629	-12,819	-11,332	-8,058
Below Normal Water Years (18%)	-2,191	-17	6,698	3,280	3,312	3,691	-68	-2,410	-5,405	-11,159	-8,500	-1,894
Dry Water Years (24%)	-359	1,215	4,570	1,320	2,539	3,633	-1,417	-2,383	-6,827	-7,509	-4,244	-885
Critical Water Years (16%)	-103	-56	941	193	-613	-86	-265	-93	-2,235	-1,392	-1,392	-197

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-6a. Sacramento River Flow at Freeport, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,967	23,041	59,064	70,174	74,317	71,601	63,938	38,894	17,281	4,026	4,966	10,402
20% Exceedance	9,646	16,103	50,161	61,146	66,469	64,000	54,027	31,096	11,158	3,197	4,006	9,266
30% Exceedance	8,168	12,714	33,586	48,769	58,481	54,942	41,532	21,795	7,574	2,959	3,443	8,605
40% Exceedance	7,077	9,406	27,062	37,666	51,432	45,961	33,596	15,431	5,925	2,742	3,140	8,100
50% Exceedance	5,974	7,935	22,018	32,993	39,441	39,613	25,755	12,987	4,928	2,603	2,963	6,433
60% Exceedance	5,028	7,201	16,155	24,531	31,902	32,424	20,929	10,189	3,887	2,372	2,691	5,415
70% Exceedance	4,206	6,024	12,246	16,893	27,753	29,507	16,598	8,962	3,065	2,183	2,483	5,129
80% Exceedance	3,261	4,767	9,704	13,779	21,229	20,936	14,784	6,423	2,424	2,024	2,365	4,657
90% Exceedance	2,484	3,447	7,298	11,216	14,841	15,015	10,501	3,829	1,799	1,733	2,121	4,175
Full Simulation Period Average[a]	7,111	11,956	27,874	36,230	43,365	41,843	32,234	18,132	7,310	2,876	3,238	7,118
Wet Water Years (28%)	8,625	14,812	28,818	58,721	65,114	60,607	53,195	31,912	13,528	3,958	4,358	9,886
Above Normal Water Years (14%)	7,960	12,014	28,685	49,190	57,099	54,901	38,800	20,979	8,077	2,579	3,431	7,949
Below Normal Water Years (18%)	6,802	11,643	32,839	32,361	33,770	36,714	28,734	14,173	5,997	2,662	2,858	6,865
Dry Water Years (24%)	7,802	12,987	27,484	19,820	32,731	31,983	21,371	11,341	3,862	2,512	2,619	5,581
Critical Water Years (16%)	2,704	5,290	19,965	14,499	20,036	18,140	10,038	6,164	2,407	2,027	2,462	4,136

Table F.2.2-14-6b. Sacramento River Flow at Freeport, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,555	19,159	55,558	67,331	73,616	68,539	47,145	29,611	16,154	22,852	18,880	21,294
20% Exceedance	13,965	15,029	37,148	57,249	64,124	57,440	35,095	22,862	14,436	21,699	17,766	19,115
30% Exceedance	13,310	13,910	25,889	37,332	51,026	43,368	25,482	17,540	13,617	20,891	17,273	16,760
40% Exceedance	12,388	13,291	19,600	29,473	44,313	31,276	20,244	14,463	13,360	19,287	16,787	15,179
50% Exceedance	10,815	12,468	16,136	24,987	31,331	24,808	15,809	12,543	12,923	18,190	15,819	11,709
60% Exceedance	9,259	11,206	14,066	19,778	23,413	21,958	13,613	12,046	12,814	16,697	12,821	10,696
70% Exceedance	7,898	9,966	12,225	15,712	19,698	18,904	11,909	11,402	12,256	15,015	10,217	9,909
80% Exceedance	6,672	8,470	10,444	12,918	16,984	14,978	11,456	10,486	11,477	12,116	8,955	9,303
90% Exceedance	6,074	7,113	9,005	10,909	13,086	11,117	10,022	9,018	9,856	10,178	7,887	8,231
Full Simulation Period Average[a]	11,039	13,648	24,145	31,996	38,378	33,475	23,284	16,686	13,463	17,298	13,912	13,782
Wet Water Years (28%)	14,435	17,475	26,936	54,993	62,781	54,853	41,475	25,182	15,861	19,470	17,234	19,188
Above Normal Water Years (14%)	13,752	15,037	23,194	42,526	50,699	45,603	24,667	17,650	14,356	21,817	18,455	18,494
Below Normal Water Years (18%)	10,162	12,639	28,470	25,779	27,113	25,604	17,650	15,400	13,396	19,716	15,175	11,567
Dry Water Years (24%)	9,234	12,664	24,469	16,102	25,879	20,902	14,381	12,679	12,962	15,242	10,511	10,083
Critical Water Years (16%)	5,928	7,902	14,178	13,375	16,316	13,164	9,933	8,434	9,312	9,909	7,804	8,240

Table F.2.2-14-6c. Sacramento River Flow at Freeport, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,587	-3,882	-3,506	-2,843	-701	-3,063	-16,793	-9,283	-1,127	18,826	13,914	10,892
20% Exceedance	4,319	-1,073	-13,013	-3,897	-2,346	-6,561	-18,932	-8,234	3,277	18,502	13,761	9,849
30% Exceedance	5,143	1,195	-7,697	-11,436	-7,455	-11,573	-16,050	-4,255	6,044	17,932	13,830	8,155
40% Exceedance	5,311	3,886	-7,462	-8,193	-7,119	-14,684	-13,352	-968	7,435	16,544	13,647	7,079
50% Exceedance	4,842	4,532	-5,882	-8,006	-8,110	-14,805	-9,946	-444	7,995	15,587	12,856	5,275
60% Exceedance	4,230	4,006	-2,089	-4,753	-8,489	-10,465	-7,315	1,857	8,927	14,325	10,130	5,281
70% Exceedance	3,691	3,942	-21	-1,181	-8,055	-10,603	-4,689	2,440	9,191	12,831	7,734	4,780
80% Exceedance	3,411	3,703	741	-861	-4,245	-5,958	-3,328	4,063	9,053	10,092	6,590	4,646
90% Exceedance	3,590	3,666	1,707	-308	-1,755	-3,898	-479	5,189	8,057	8,445	5,766	4,056
Full Simulation Period Average[a]	3,928	1,693	-3,728	-4,234	-4,987	-8,368	-8,950	-1,445	6,153	14,423	10,674	6,664
Wet Water Years (28%)	5,810	2,663	-1,881	-3,727	-2,333	-5,754	-11,720	-6,730	2,332	15,512	12,875	9,302
Above Normal Water Years (14%)	5,792	3,023	-5,491	-6,664	-6,400	-9,297	-14,134	-3,329	6,279	19,237	15,024	10,545
Below Normal Water Years (18%)	3,360	995	-4,368	-6,582	-6,657	-11,110	-11,084	1,227	7,400	17,053	12,317	4,702
Dry Water Years (24%)	1,432	-323	-3,014	-3,718	-6,852	-11,081	-6,990	1,338	9,100	12,730	7,892	4,502
Critical Water Years (16%)	3,224	2,612	-5,787	-1,124	-3,720	-4,976	-106	2,270	6,904	7,882	5,343	4,104

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-7a. Sacramento River Flow at Freeport, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,967	23,041	59,064	70,174	74,317	71,601	63,938	38,894	17,281	4,026	4,966	10,402
20% Exceedance	9,646	16,103	50,161	61,146	66,469	64,000	54,027	31,096	11,158	3,197	4,006	9,266
30% Exceedance	8,168	12,714	33,586	48,769	58,481	54,942	41,532	21,795	7,574	2,959	3,443	8,605
40% Exceedance	7,077	9,406	27,062	37,666	51,432	45,961	33,596	15,431	5,925	2,742	3,140	8,100
50% Exceedance	5,974	7,935	22,018	32,993	39,441	39,613	25,755	12,987	4,928	2,603	2,963	6,433
60% Exceedance	5,028	7,201	16,155	24,531	31,902	32,424	20,929	10,189	3,887	2,372	2,691	5,415
70% Exceedance	4,206	6,024	12,246	16,893	27,753	29,507	16,598	8,962	3,065	2,183	2,483	5,129
80% Exceedance	3,261	4,767	9,704	13,779	21,229	20,936	14,784	6,423	2,424	2,024	2,365	4,657
90% Exceedance	2,484	3,447	7,298	11,216	14,841	15,015	10,501	3,829	1,799	1,733	2,121	4,175
Full Simulation Period Average[a]	7,111	11,956	27,874	36,230	43,365	41,843	32,234	18,132	7,310	2,876	3,238	7,118
Wet Water Years (28%)	8,625	14,812	28,818	58,721	65,114	60,607	53,195	31,912	13,528	3,958	4,358	9,886
Above Normal Water Years (14%)	7,960	12,014	28,685	49,190	57,099	54,901	38,800	20,979	8,077	2,579	3,431	7,949
Below Normal Water Years (18%)	6,802	11,643	32,839	32,361	33,770	36,714	28,734	14,173	5,997	2,662	2,858	6,865
Dry Water Years (24%)	7,802	12,987	27,484	19,820	32,731	31,983	21,371	11,341	3,862	2,512	2,619	5,581
Critical Water Years (16%)	2,704	5,290	19,965	14,499	20,036	18,140	10,038	6,164	2,407	2,027	2,462	4,136

Table F.2.2-14-7b. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,635	19,120	55,303	67,325	73,868	68,665	47,181	29,571	15,542	22,910	18,514	21,294
20% Exceedance	13,987	14,741	37,152	57,158	64,122	57,483	35,035	22,863	14,318	21,831	17,756	18,799
30% Exceedance	13,300	14,148	25,861	37,272	51,316	43,683	25,587	17,356	13,554	21,033	17,345	17,052
40% Exceedance	12,462	13,428	19,599	29,369	43,714	31,279	20,075	14,394	13,367	19,174	16,878	15,261
50% Exceedance	10,925	13,074	16,138	24,891	31,319	24,494	15,895	12,491	12,952	17,982	15,510	11,891
60% Exceedance	9,287	11,830	14,071	19,771	23,423	21,370	13,610	12,001	12,649	16,228	13,865	10,397
70% Exceedance	7,876	9,857	11,857	14,846	19,692	18,994	11,854	11,233	12,105	15,162	11,014	9,890
80% Exceedance	6,693	8,480	10,486	12,838	16,991	14,985	11,197	10,399	11,288	12,856	9,482	9,243
90% Exceedance	6,077	7,167	9,299	10,928	13,096	11,131	9,946	9,010	9,866	10,627	8,220	8,345
Full Simulation Period Average[a]	11,072	13,681	24,066	31,910	38,304	33,445	23,170	16,589	13,393	17,486	14,200	13,852
Wet Water Years (28%)	14,439	17,640	26,777	54,881	62,772	54,843	41,476	25,093	15,836	19,487	17,231	19,300
Above Normal Water Years (14%)	13,751	15,225	23,182	42,603	50,728	45,572	24,565	17,555	14,135	22,012	18,375	18,783
Below Normal Water Years (18%)	10,403	12,715	28,492	25,670	26,890	25,574	17,394	15,231	13,361	19,574	15,795	11,625
Dry Water Years (24%)	9,206	12,549	24,449	15,943	25,961	20,863	14,195	12,555	12,851	15,615	11,164	10,010
Critical Water Years (16%)	5,898	7,717	13,969	13,327	15,970	13,117	9,873	8,441	9,318	10,482	8,001	8,270

Table F.2.2-14-7c. Sacramento River Flow at Freeport, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,667	-3,921	-3,760	-2,850	-449	-2,936	-16,758	-9,323	-1,739	18,884	13,548	10,892
20% Exceedance	4,341	-1,362	-13,009	-3,989	-2,348	-6,517	-18,992	-8,233	3,160	18,634	13,751	9,533
30% Exceedance	5,133	1,434	-7,726	-11,497	-7,165	-11,259	-15,945	-4,440	5,981	18,073	13,902	8,448
40% Exceedance	5,385	4,023	-7,463	-8,297	-7,718	-14,682	-13,521	-1,037	7,442	16,431	13,738	7,161
50% Exceedance	4,951	5,139	-5,880	-8,102	-8,122	-15,119	-9,860	-496	8,024	15,380	12,547	5,458
60% Exceedance	4,259	4,629	-2,084	-4,760	-8,480	-11,054	-7,318	1,812	8,763	13,856	11,174	4,982
70% Exceedance	3,670	3,834	-389	-2,047	-8,061	-10,513	-4,744	2,272	9,041	12,979	8,531	4,762
80% Exceedance	3,432	3,712	782	-942	-4,238	-5,951	-3,587	3,976	8,864	10,832	7,117	4,586
90% Exceedance	3,593	3,720	2,001	-288	-1,744	-3,884	-556	5,182	8,066	8,894	6,098	4,170
Full Simulation Period Average[a]	3,961	1,726	-3,807	-4,320	-5,062	-8,397	-9,064	-1,543	6,083	14,610	10,962	6,734
Wet Water Years (28%)	5,815	2,828	-2,041	-3,840	-2,342	-5,763	-11,720	-6,819	2,308	15,529	12,873	9,414
Above Normal Water Years (14%)	5,791	3,211	-5,503	-6,587	-6,371	-9,328	-14,235	-3,424	6,058	19,432	14,944	10,834
Below Normal Water Years (18%)	3,602	1,071	-4,347	-6,691	-6,880	-11,139	-11,340	1,058	7,364	16,912	12,937	4,760
Dry Water Years (24%)	1,404	-438	-3,035	-3,877	-6,770	-11,119	-7,176	1,214	8,989	13,104	8,545	4,429
Critical Water Years (16%)	3,194	2,427	-5,997	-1,173	-4,066	-5,023	-165	2,277	6,910	8,455	5,540	4,134

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-8a. Sacramento River Flow at Freeport, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,967	23,041	59,064	70,174	74,317	71,601	63,938	38,894	17,281	4,026	4,966	10,402
20% Exceedance	9,646	16,103	50,161	61,146	66,469	64,000	54,027	31,096	11,158	3,197	4,006	9,266
30% Exceedance	8,168	12,714	33,586	48,769	58,481	54,942	41,532	21,795	7,574	2,959	3,443	8,605
40% Exceedance	7,077	9,406	27,062	37,666	51,432	45,961	33,596	15,431	5,925	2,742	3,140	8,100
50% Exceedance	5,974	7,935	22,018	32,993	39,441	39,613	25,755	12,987	4,928	2,603	2,963	6,433
60% Exceedance	5,028	7,201	16,155	24,531	31,902	32,424	20,929	10,189	3,887	2,372	2,691	5,415
70% Exceedance	4,206	6,024	12,246	16,893	27,753	29,507	16,598	8,962	3,065	2,183	2,483	5,129
80% Exceedance	3,261	4,767	9,704	13,779	21,229	20,936	14,784	6,423	2,424	2,024	2,365	4,657
90% Exceedance	2,484	3,447	7,298	11,216	14,841	15,015	10,501	3,829	1,799	1,733	2,121	4,175
Full Simulation Period Average[a]	7,111	11,956	27,874	36,230	43,365	41,843	32,234	18,132	7,310	2,876	3,238	7,118
Wet Water Years (28%)	8,625	14,812	28,818	58,721	65,114	60,607	53,195	31,912	13,528	3,958	4,358	9,886
Above Normal Water Years (14%)	7,960	12,014	28,685	49,190	57,099	54,901	38,800	20,979	8,077	2,579	3,431	7,949
Below Normal Water Years (18%)	6,802	11,643	32,839	32,361	33,770	36,714	28,734	14,173	5,997	2,662	2,858	6,865
Dry Water Years (24%)	7,802	12,987	27,484	19,820	32,731	31,983	21,371	11,341	3,862	2,512	2,619	5,581
Critical Water Years (16%)	2,704	5,290	19,965	14,499	20,036	18,140	10,038	6,164	2,407	2,027	2,462	4,136

Table F.2.2-14-8b. Sacramento River Flow at Freeport, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,548	19,137	55,609	67,858	73,868	68,734	47,626	29,587	15,053	23,250	18,642	21,314
20% Exceedance	13,957	14,827	37,756	57,409	64,190	57,494	36,829	23,146	14,008	21,875	17,873	18,945
30% Exceedance	13,236	14,313	25,960	37,352	51,320	43,507	27,170	17,463	13,513	20,979	17,212	16,961
40% Exceedance	12,490	13,460	19,614	29,466	43,521	31,280	21,473	15,414	13,040	19,255	16,903	15,963
50% Exceedance	11,064	13,098	16,121	25,207	30,974	24,594	17,461	13,619	12,875	18,064	15,485	11,975
60% Exceedance	9,335	11,715	14,045	19,734	23,389	21,519	14,740	12,340	12,574	16,489	13,817	10,915
70% Exceedance	7,959	9,879	11,963	14,736	19,680	19,031	13,371	11,789	11,818	14,823	10,953	9,905
80% Exceedance	6,716	8,615	10,520	12,846	16,991	14,943	11,767	10,841	11,211	12,684	9,618	9,253
90% Exceedance	6,075	7,139	8,997	10,892	13,375	11,275	10,884	9,657	9,583	10,763	8,114	8,465
Full Simulation Period Average[a]	11,147	13,783	24,148	31,950	38,407	33,494	24,303	17,240	13,226	17,507	14,211	13,882
Wet Water Years (28%)	14,411	17,634	26,780	54,992	62,946	54,780	41,708	25,225	15,798	19,533	17,260	19,270
Above Normal Water Years (14%)	13,734	15,316	23,271	42,845	50,887	45,527	26,396	18,908	13,834	22,094	18,284	18,697
Below Normal Water Years (18%)	10,655	12,748	28,563	25,702	26,955	25,607	19,744	16,343	12,966	19,645	15,771	11,937
Dry Water Years (24%)	9,313	12,923	24,676	15,943	26,050	21,054	15,556	13,155	12,718	15,530	11,226	10,017
Critical Water Years (16%)	5,991	7,679	13,968	13,130	15,963	13,249	10,264	8,942	9,247	10,510	8,035	8,226

Table F.2.2-14-8c. Sacramento River Flow at Freeport, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,581	-3,904	-3,455	-2,317	-449	-2,868	-16,312	-9,307	-2,228	19,224	13,677	10,912
20% Exceedance	4,311	-1,276	-12,406	-3,737	-2,279	-6,506	-17,199	-7,950	2,850	18,677	13,867	9,679
30% Exceedance	5,068	1,599	-7,626	-11,417	-7,161	-11,435	-14,362	-4,332	5,939	18,019	13,769	8,357
40% Exceedance	5,413	4,054	-7,447	-8,200	-7,910	-14,680	-12,123	-17	7,115	16,513	13,763	7,863
50% Exceedance	5,090	5,162	-5,897	-7,786	-8,467	-15,019	-8,294	632	7,947	15,461	12,522	5,542
60% Exceedance	4,306	4,514	-2,111	-4,797	-8,513	-10,904	-6,188	2,151	8,687	14,117	11,126	5,501
70% Exceedance	3,753	3,855	-284	-2,157	-8,073	-10,476	-3,226	2,827	8,754	12,640	8,470	4,776
80% Exceedance	3,455	3,848	816	-933	-4,238	-5,992	-3,017	4,418	8,787	10,660	7,253	4,596
90% Exceedance	3,591	3,692	1,699	-325	-1,466	-3,740	383	5,828	7,784	9,030	5,992	4,290
Full Simulation Period Average[a]	4,035	1,828	-3,726	-4,281	-4,958	-8,349	-7,931	-892	5,916	14,632	10,974	6,764
Wet Water Years (28%)	5,786	2,823	-2,038	-3,729	-2,167	-5,827	-11,487	-6,688	2,270	15,575	12,902	9,384
Above Normal Water Years (14%)	5,774	3,302	-5,414	-6,345	-6,212	-9,374	-12,404	-2,070	5,758	19,515	14,853	10,748
Below Normal Water Years (18%)	3,853	1,105	-4,276	-6,659	-6,814	-11,107	-8,989	2,170	6,969	16,983	12,913	5,072
Dry Water Years (24%)	1,511	-64	-2,808	-3,877	-6,681	-10,929	-5,815	1,813	8,856	13,018	8,607	4,436
Critical Water Years (16%)	3,287	2,389	-5,998	-1,369	-4,073	-4,891	225	2,777	6,840	8,484	5,573	4,090

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-9a. Sacramento River Flow at Freeport, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,967	23,041	59,064	70,174	74,317	71,601	63,938	38,894	17,281	4,026	4,966	10,402
20% Exceedance	9,646	16,103	50,161	61,146	66,469	64,000	54,027	31,096	11,158	3,197	4,006	9,266
30% Exceedance	8,168	12,714	33,586	48,769	58,481	54,942	41,532	21,795	7,574	2,959	3,443	8,605
40% Exceedance	7,077	9,406	27,062	37,666	51,432	45,961	33,596	15,431	5,925	2,742	3,140	8,100
50% Exceedance	5,974	7,935	22,018	32,993	39,441	39,613	25,755	12,987	4,928	2,603	2,963	6,433
60% Exceedance	5,028	7,201	16,155	24,531	31,902	32,424	20,929	10,189	3,887	2,372	2,691	5,415
70% Exceedance	4,206	6,024	12,246	16,893	27,753	29,507	16,598	8,962	3,065	2,183	2,483	5,129
80% Exceedance	3,261	4,767	9,704	13,779	21,229	20,936	14,784	6,423	2,424	2,024	2,365	4,657
90% Exceedance	2,484	3,447	7,298	11,216	14,841	15,015	10,501	3,829	1,799	1,733	2,121	4,175
Full Simulation Period Average[a]	7,111	11,956	27,874	36,230	43,365	41,843	32,234	18,132	7,310	2,876	3,238	7,118
Wet Water Years (28%)	8,625	14,812	28,818	58,721	65,114	60,607	53,195	31,912	13,528	3,958	4,358	9,886
Above Normal Water Years (14%)	7,960	12,014	28,685	49,190	57,099	54,901	38,800	20,979	8,077	2,579	3,431	7,949
Below Normal Water Years (18%)	6,802	11,643	32,839	32,361	33,770	36,714	28,734	14,173	5,997	2,662	2,858	6,865
Dry Water Years (24%)	7,802	12,987	27,484	19,820	32,731	31,983	21,371	11,341	3,862	2,512	2,619	5,581
Critical Water Years (16%)	2,704	5,290	19,965	14,499	20,036	18,140	10,038	6,164	2,407	2,027	2,462	4,136

Table F.2.2-14-9b. Sacramento River Flow at Freeport, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,555	19,173	55,571	67,259	73,616	68,482	47,211	29,612	16,154	22,849	18,878	21,293
20% Exceedance	13,965	14,948	37,147	57,540	64,124	57,440	35,102	22,863	14,435	21,699	17,855	19,115
30% Exceedance	13,314	13,929	25,895	37,235	51,175	43,701	25,499	17,541	13,617	20,879	17,262	16,760
40% Exceedance	12,346	13,292	19,601	29,982	43,785	31,183	20,178	14,650	13,364	19,283	16,791	15,216
50% Exceedance	10,910	12,475	16,852	25,049	31,332	24,810	15,810	12,701	12,925	18,332	15,848	11,837
60% Exceedance	9,462	11,208	14,082	19,789	23,414	21,964	13,616	12,123	12,816	16,749	13,031	10,924
70% Exceedance	8,008	9,981	12,232	15,643	19,699	18,905	11,909	11,426	12,247	15,146	10,485	10,087
80% Exceedance	6,673	8,476	10,546	13,006	17,214	14,746	11,135	10,486	11,207	12,420	9,061	9,238
90% Exceedance	6,081	7,168	9,376	11,639	13,090	10,734	8,739	8,208	9,195	8,195	7,553	8,472
Full Simulation Period Average[a]	11,105	13,683	24,210	32,148	38,355	33,374	22,933	16,694	13,294	17,105	14,012	13,829
Wet Water Years (28%)	14,438	17,475	26,948	55,011	62,782	54,858	41,484	25,185	15,861	19,458	17,235	19,186
Above Normal Water Years (14%)	13,749	15,043	23,202	42,660	50,749	46,044	24,720	17,661	14,359	21,809	18,518	18,518
Below Normal Water Years (18%)	10,353	12,658	28,486	25,888	27,232	25,630	17,712	15,508	13,347	19,783	15,736	11,762
Dry Water Years (24%)	9,236	12,674	24,472	16,092	25,918	20,897	14,386	12,690	12,962	15,282	10,549	10,089
Critical Water Years (16%)	6,130	8,090	14,558	14,064	15,934	12,117	7,600	8,325	8,305	8,591	7,684	8,288

Table F.2.2-14-9c. Sacramento River Flow at Freeport, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,588	-3,868	-3,493	-2,915	-701	-3,119	-16,727	-9,283	-1,127	18,823	13,912	10,891
20% Exceedance	4,319	-1,155	-13,014	-3,607	-2,345	-6,560	-18,925	-8,233	3,277	18,502	13,849	9,849
30% Exceedance	5,146	1,214	-7,692	-11,533	-7,306	-11,241	-16,033	-4,254	6,043	17,920	13,819	8,155
40% Exceedance	5,269	3,886	-7,461	-7,684	-7,647	-14,778	-13,418	-781	7,440	16,541	13,652	7,116
50% Exceedance	4,937	4,540	-5,166	-7,944	-8,109	-14,803	-9,946	-286	7,997	15,729	12,884	5,403
60% Exceedance	4,433	4,008	-2,074	-4,742	-8,488	-10,459	-7,313	1,934	8,930	14,377	10,340	5,509
70% Exceedance	3,802	3,957	-14	-1,250	-8,055	-10,602	-4,689	2,465	9,183	12,962	8,002	4,958
80% Exceedance	3,412	3,708	842	-773	-4,014	-6,190	-3,650	4,063	8,783	10,397	6,696	4,581
90% Exceedance	3,597	3,720	2,078	423	-1,751	-4,281	-1,762	4,380	7,396	6,461	5,431	4,297
Full Simulation Period Average[a]	3,993	1,727	-3,664	-4,082	-5,010	-8,469	-9,301	-1,438	5,984	14,229	10,774	6,711
Wet Water Years (28%)	5,814	2,663	-1,870	-3,710	-2,332	-5,749	-11,712	-6,727	2,333	15,499	12,876	9,300
Above Normal Water Years (14%)	5,789	3,029	-5,484	-6,530	-6,350	-8,857	-14,080	-3,318	6,283	19,230	15,086	10,569
Below Normal Water Years (18%)	3,551	1,014	-4,352	-6,474	-6,538	-11,083	-11,021	1,335	7,350	17,121	12,878	4,897
Dry Water Years (24%)	1,434	-313	-3,012	-3,727	-6,813	-11,086	-6,985	1,349	9,100	12,770	7,930	4,508
Critical Water Years (16%)	3,426	2,800	-5,408	-436	-4,102	-6,022	-2,438	2,161	5,898	6,564	5,222	4,152

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-14-10a. Sacramento River Flow at Freeport, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,967	23,041	59,064	70,174	74,317	71,601	63,938	38,894	17,281	4,026	4,966	10,402
20% Exceedance	9,646	16,103	50,161	61,146	66,469	64,000	54,027	31,096	11,158	3,197	4,006	9,266
30% Exceedance	8,168	12,714	33,586	48,769	58,481	54,942	41,532	21,795	7,574	2,959	3,443	8,605
40% Exceedance	7,077	9,406	27,062	37,666	51,432	45,961	33,596	15,431	5,925	2,742	3,140	8,100
50% Exceedance	5,974	7,935	22,018	32,993	39,441	39,613	25,755	12,987	4,928	2,603	2,963	6,433
60% Exceedance	5,028	7,201	16,155	24,531	31,902	32,424	20,929	10,189	3,887	2,372	2,691	5,415
70% Exceedance	4,206	6,024	12,246	16,893	27,753	29,507	16,598	8,962	3,065	2,183	2,483	5,129
80% Exceedance	3,261	4,767	9,704	13,779	21,229	20,936	14,784	6,423	2,424	2,024	2,365	4,657
90% Exceedance	2,484	3,447	7,298	11,216	14,841	15,015	10,501	3,829	1,799	1,733	2,121	4,175
Full Simulation Period Average[a]	7,111	11,956	27,874	36,230	43,365	41,843	32,234	18,132	7,310	2,876	3,238	7,118
Wet Water Years (28%)	8,625	14,812	28,818	58,721	65,114	60,607	53,195	31,912	13,528	3,958	4,358	9,886
Above Normal Water Years (14%)	7,960	12,014	28,685	49,190	57,099	54,901	38,800	20,979	8,077	2,579	3,431	7,949
Below Normal Water Years (18%)	6,802	11,643	32,839	32,361	33,770	36,714	28,734	14,173	5,997	2,662	2,858	6,865
Dry Water Years (24%)	7,802	12,987	27,484	19,820	32,731	31,983	21,371	11,341	3,862	2,512	2,619	5,581
Critical Water Years (16%)	2,704	5,290	19,965	14,499	20,036	18,140	10,038	6,164	2,407	2,027	2,462	4,136

Table F.2.2-14-10b. Sacramento River Flow at Freeport, NAA, 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

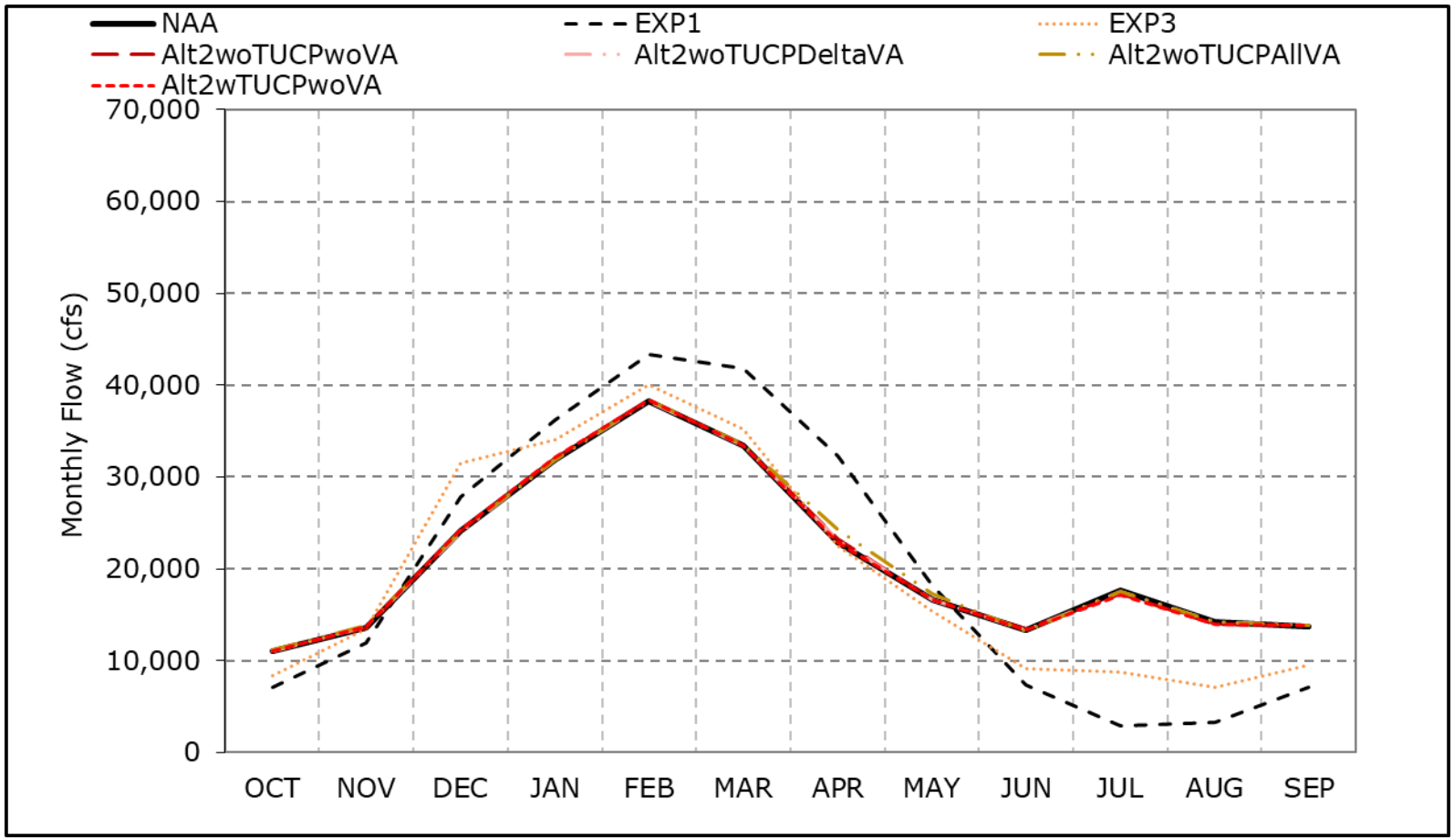
Table F.2.2-14-10c. Sacramento River Flow at Freeport, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,578	-3,884	-3,938	-3,680	-892	-3,310	-16,761	-9,273	-1,183	19,745	13,950	10,031
20% Exceedance	4,136	-1,424	-12,850	-3,789	-2,341	-6,568	-19,007	-8,241	3,264	19,405	14,106	10,163
30% Exceedance	4,993	869	-7,403	-10,792	-7,287	-11,683	-16,179	-4,706	6,472	18,429	14,037	7,987
40% Exceedance	5,106	3,910	-7,421	-7,932	-8,056	-14,842	-13,397	-722	7,707	16,826	13,810	7,131
50% Exceedance	5,081	4,517	-5,394	-8,430	-8,288	-15,158	-9,961	-368	8,487	15,486	12,860	5,338
60% Exceedance	4,406	4,394	-2,134	-4,595	-8,298	-10,642	-7,262	1,936	8,954	14,566	10,406	5,064
70% Exceedance	3,711	3,850	39	-2,791	-7,958	-10,576	-4,692	2,551	9,052	13,274	8,483	4,937
80% Exceedance	3,628	3,643	1,096	-1,029	-3,742	-6,224	-3,886	4,051	8,859	11,454	7,108	4,617
90% Exceedance	3,644	3,721	2,056	-298	-1,386	-3,946	-2,280	3,845	6,605	6,339	6,133	4,344
Full Simulation Period Average[a]	3,992	1,574	-3,772	-4,365	-5,074	-8,434	-9,406	-1,501	6,065	14,763	10,930	6,573
Wet Water Years (28%)	5,826	2,623	-1,785	-3,879	-2,354	-5,755	-11,715	-6,822	2,159	15,897	13,109	9,287
Above Normal Water Years (14%)	5,441	3,015	-5,434	-6,978	-6,360	-8,773	-14,056	-3,388	6,222	20,022	15,238	9,824
Below Normal Water Years (18%)	3,765	597	-4,572	-6,517	-7,008	-11,276	-11,143	1,643	7,310	17,686	12,575	4,753
Dry Water Years (24%)	1,474	-321	-3,219	-3,881	-6,942	-11,046	-7,101	1,215	9,642	13,518	8,303	4,526
Critical Water Years (16%)	3,420	2,382	-5,746	-1,233	-3,734	-5,711	-2,798	1,853	5,996	6,760	5,439	4,094

[a] Based on the 100-year simulation period.

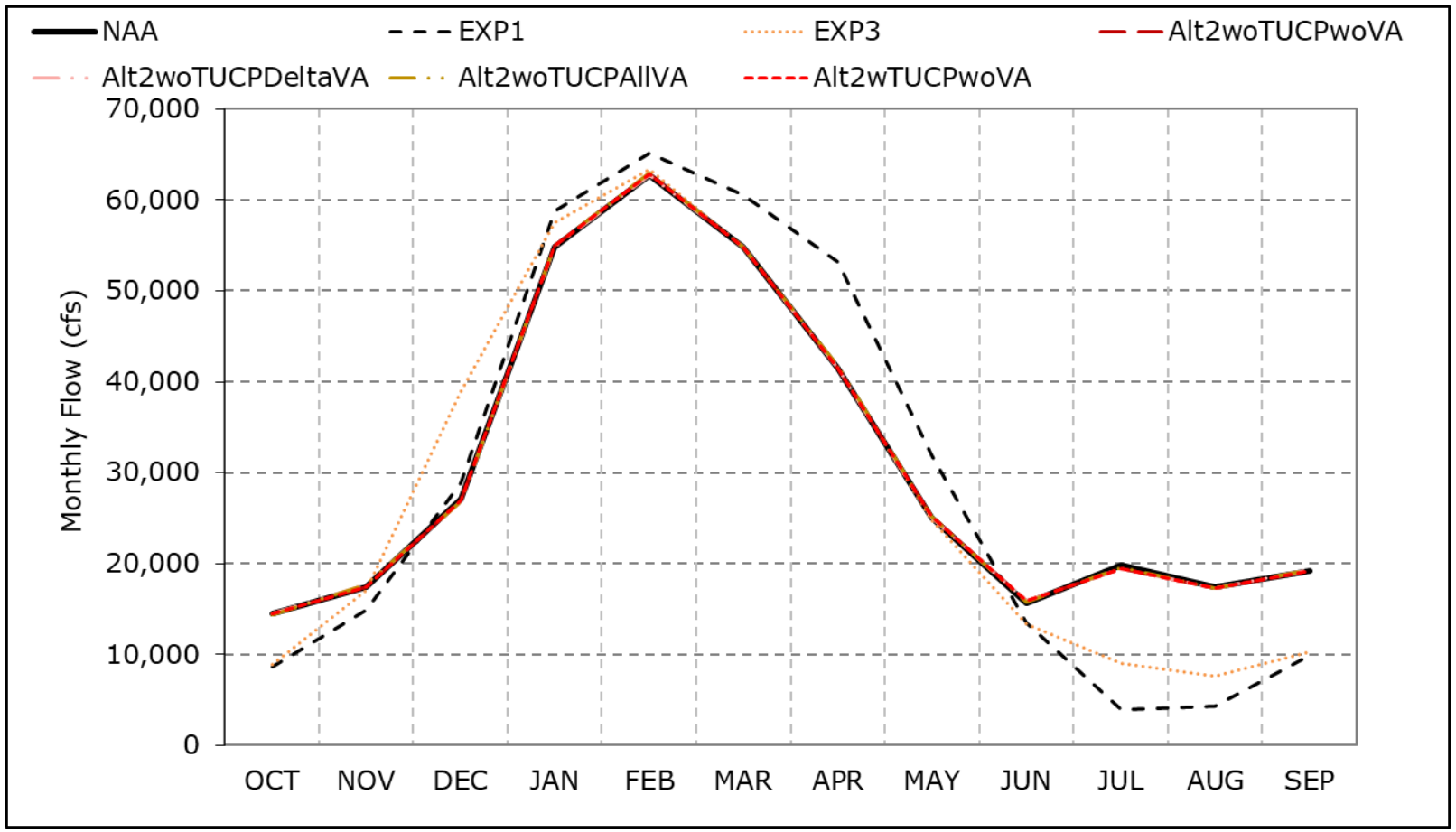
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-14-1. Sacramento River Flow at Freeport, Long-Term Average Flow



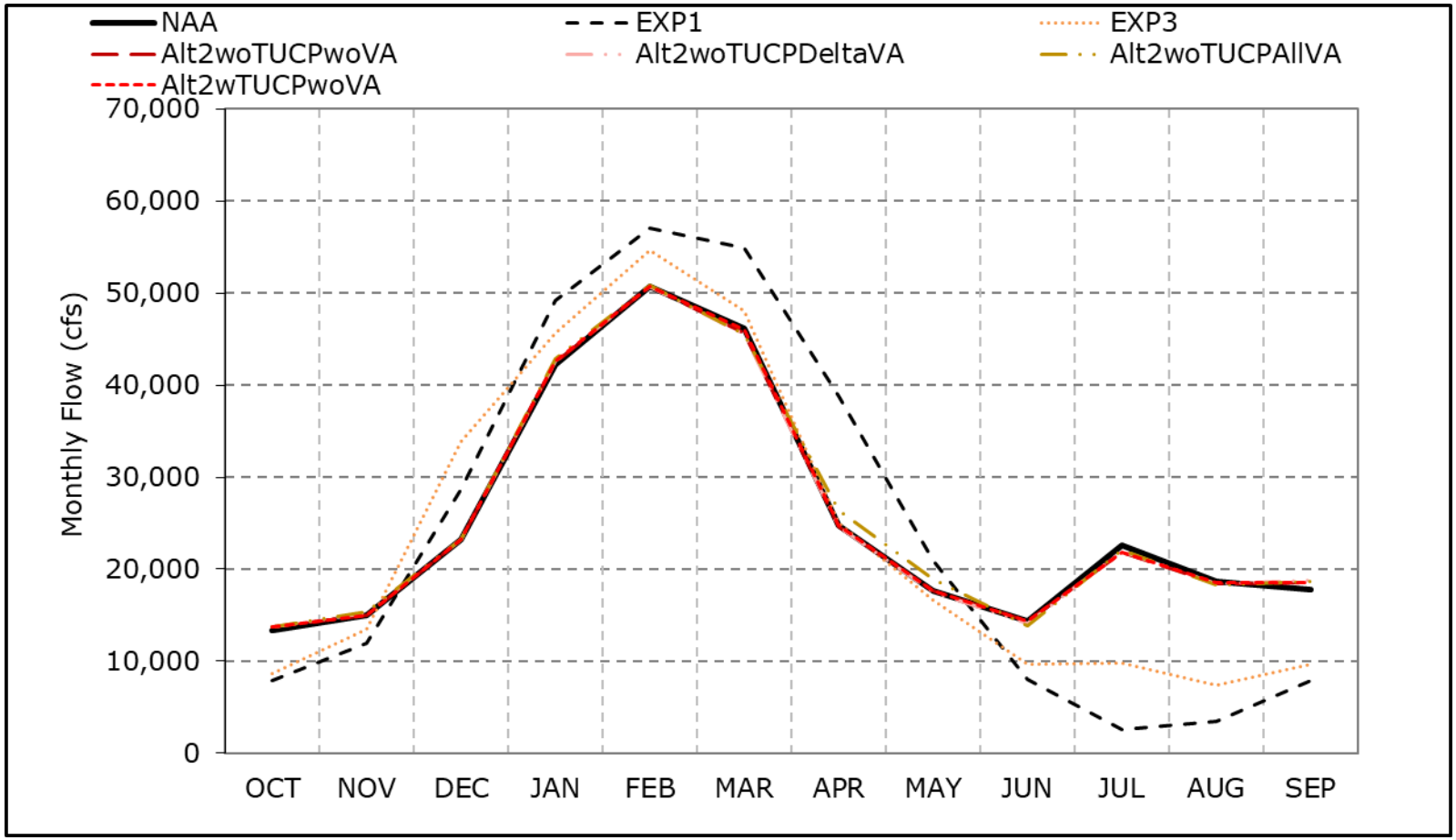
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-2. Sacramento River Flow at Freeport, Wet Year Average Flow



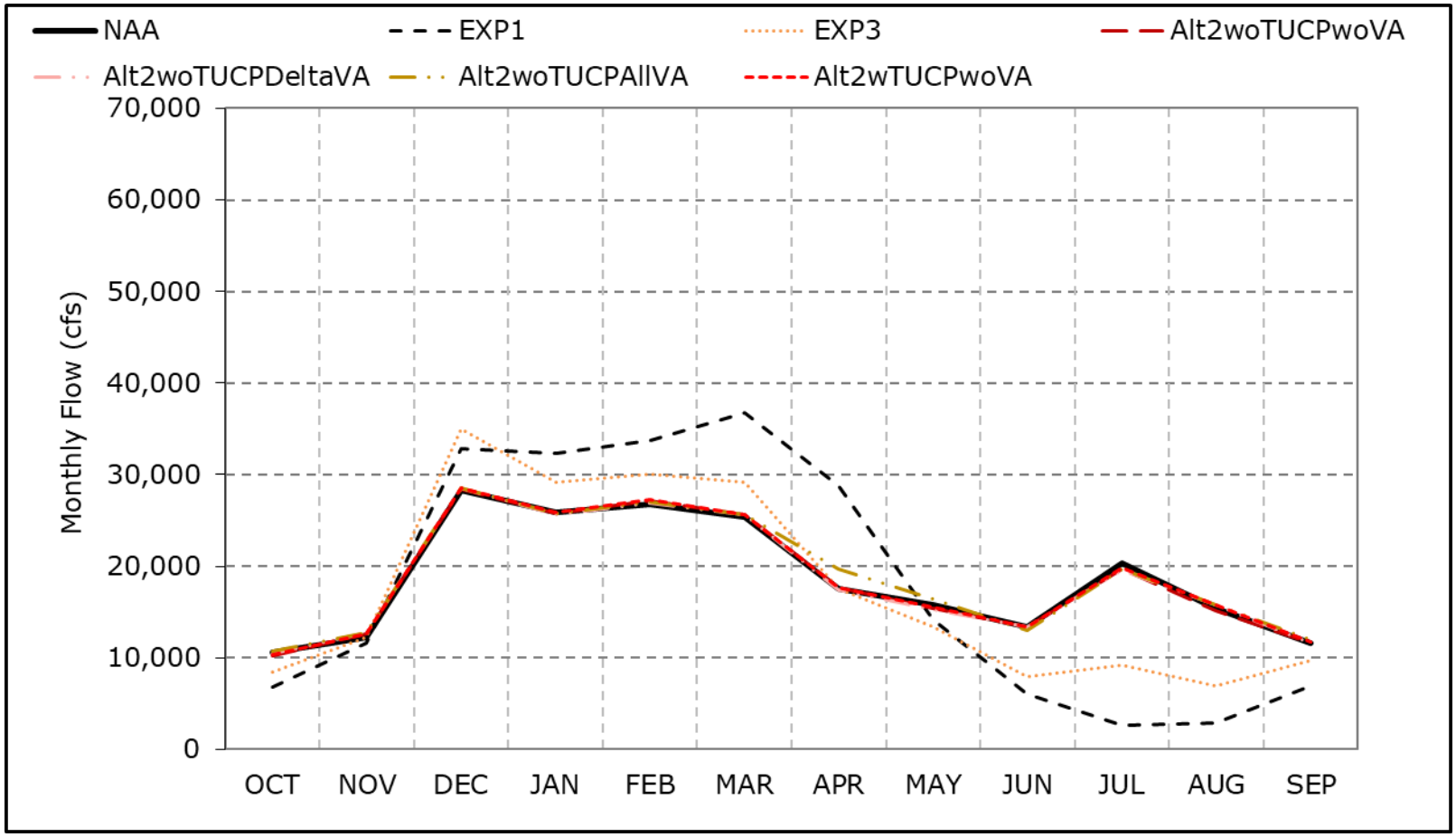
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-3. Sacramento River Flow at Freeport, Above Normal Year Average Flow



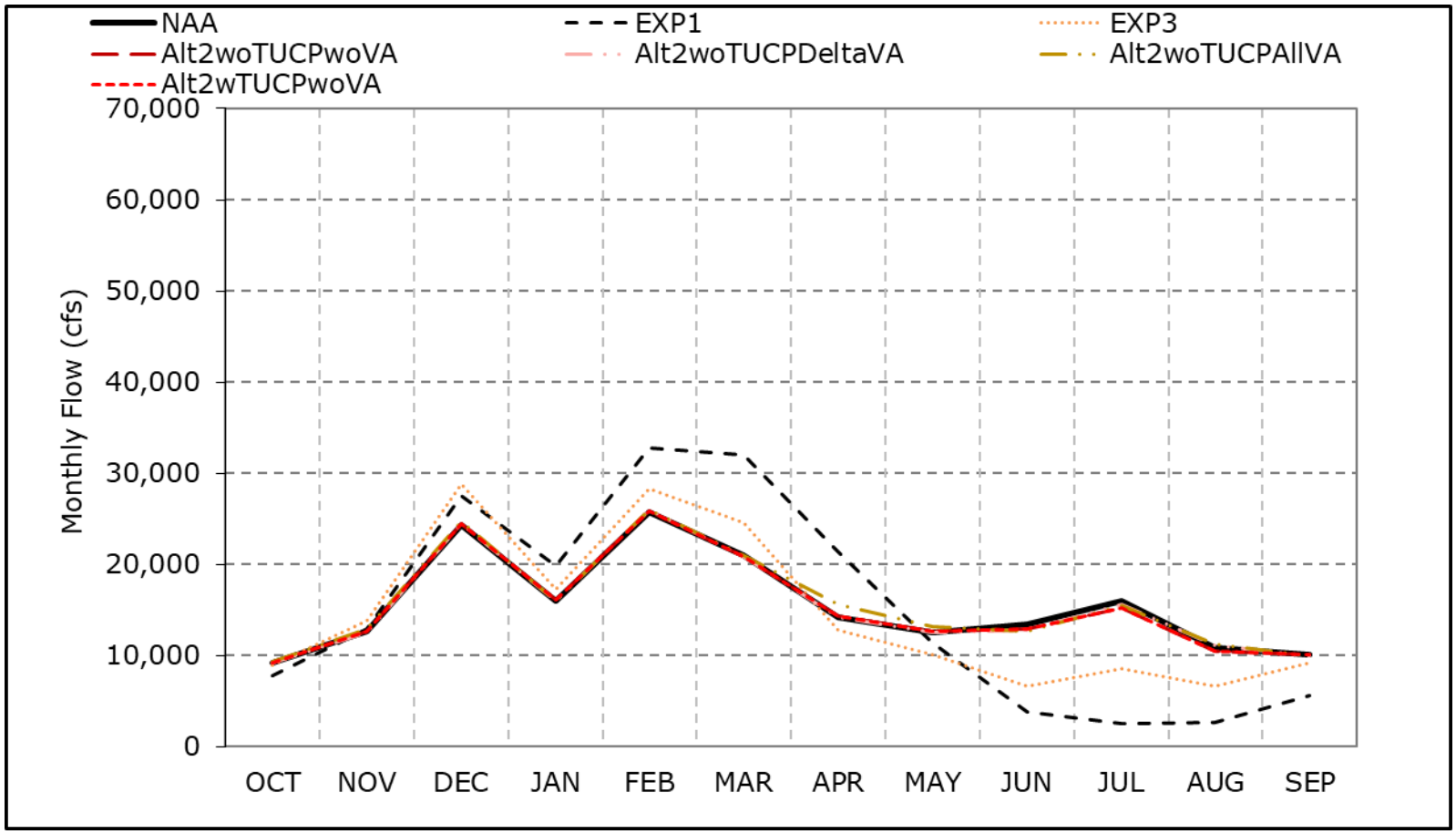
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-4. Sacramento River Flow at Freeport, Below Normal Year Average Flow



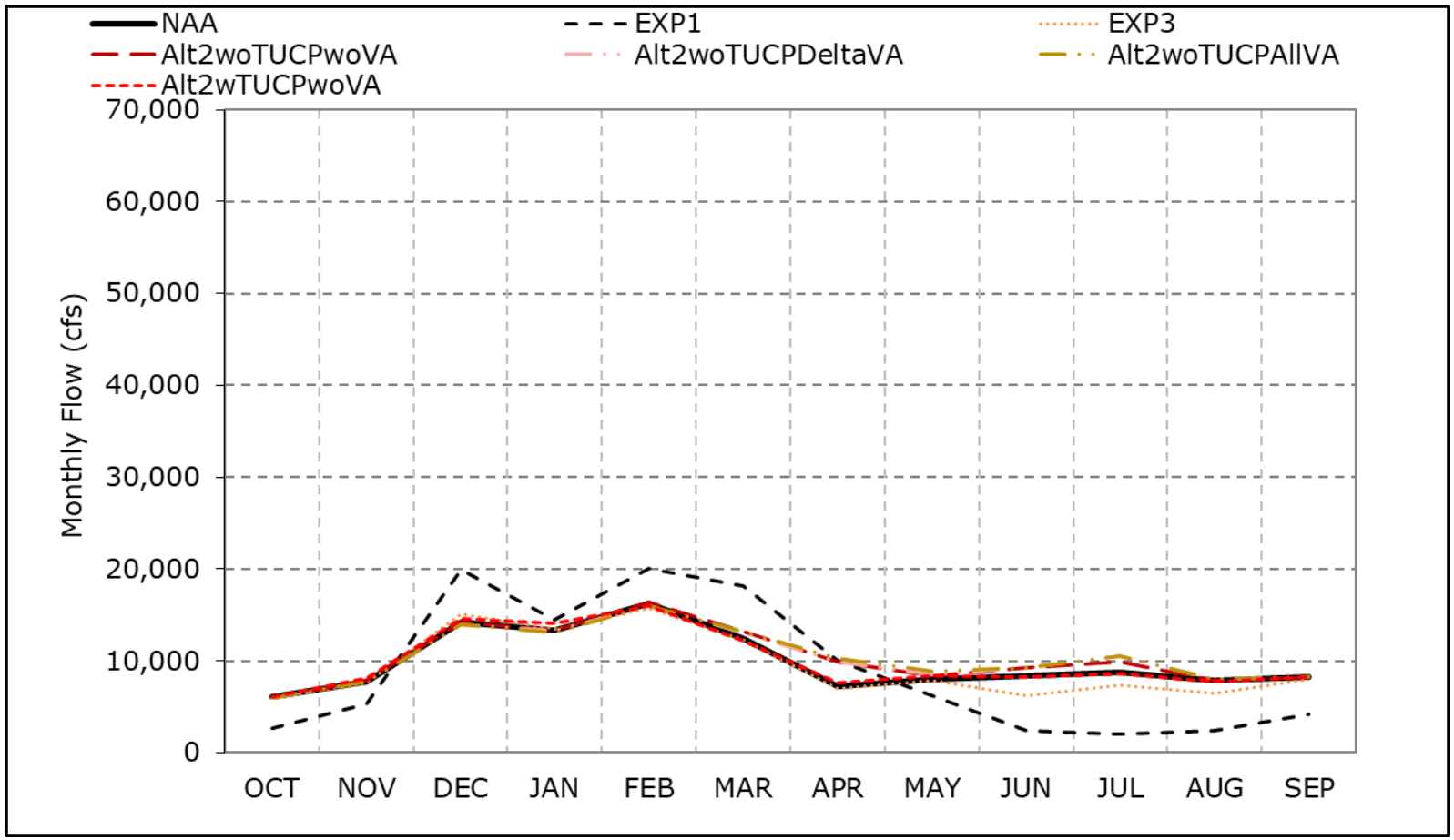
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-5. Sacramento River Flow at Freeport, Dry Year Average Flow



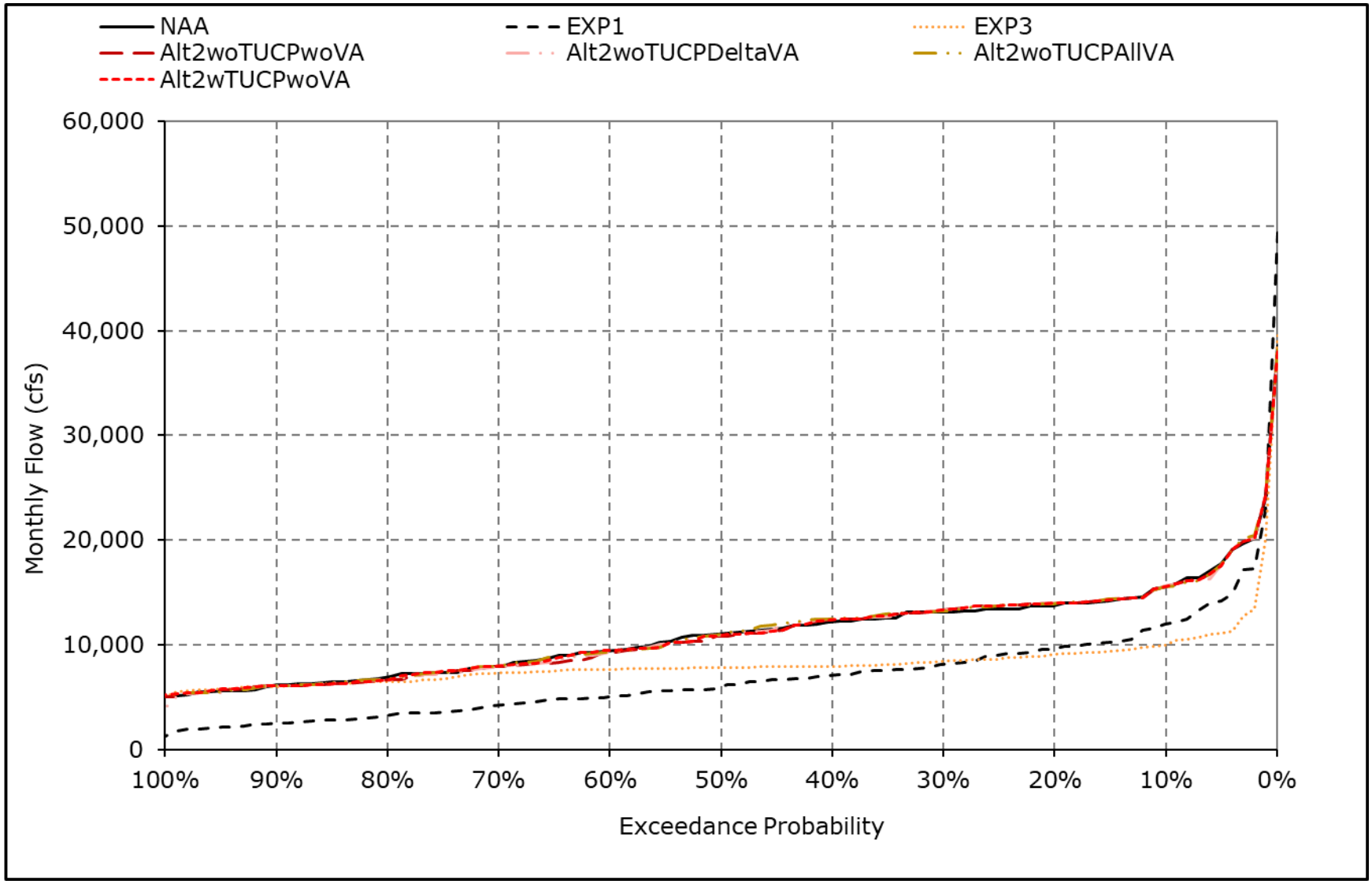
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-6. Sacramento River Flow at Freeport, Critical Year Average Flow



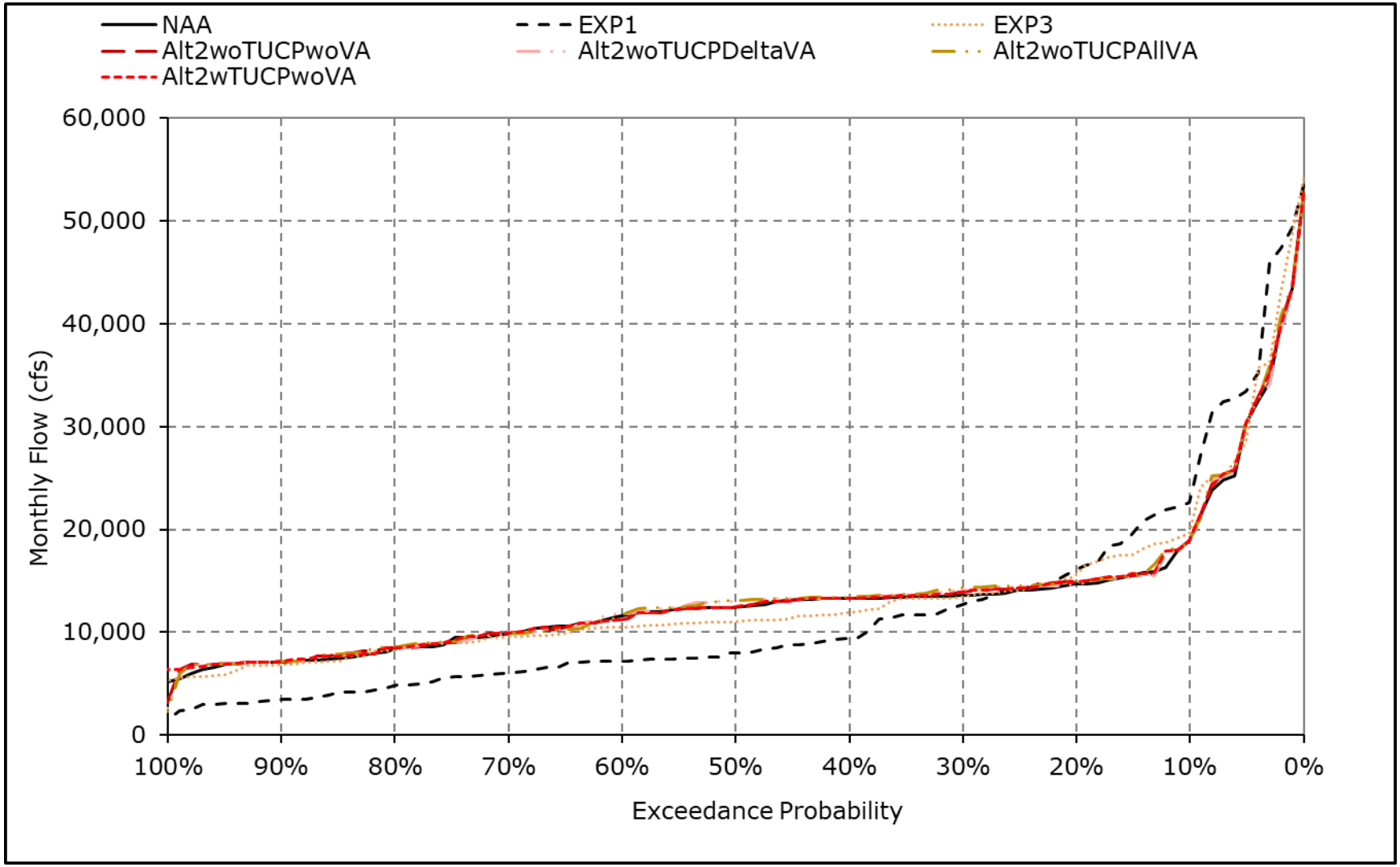
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-7. Sacramento River Flow at Freeport, October



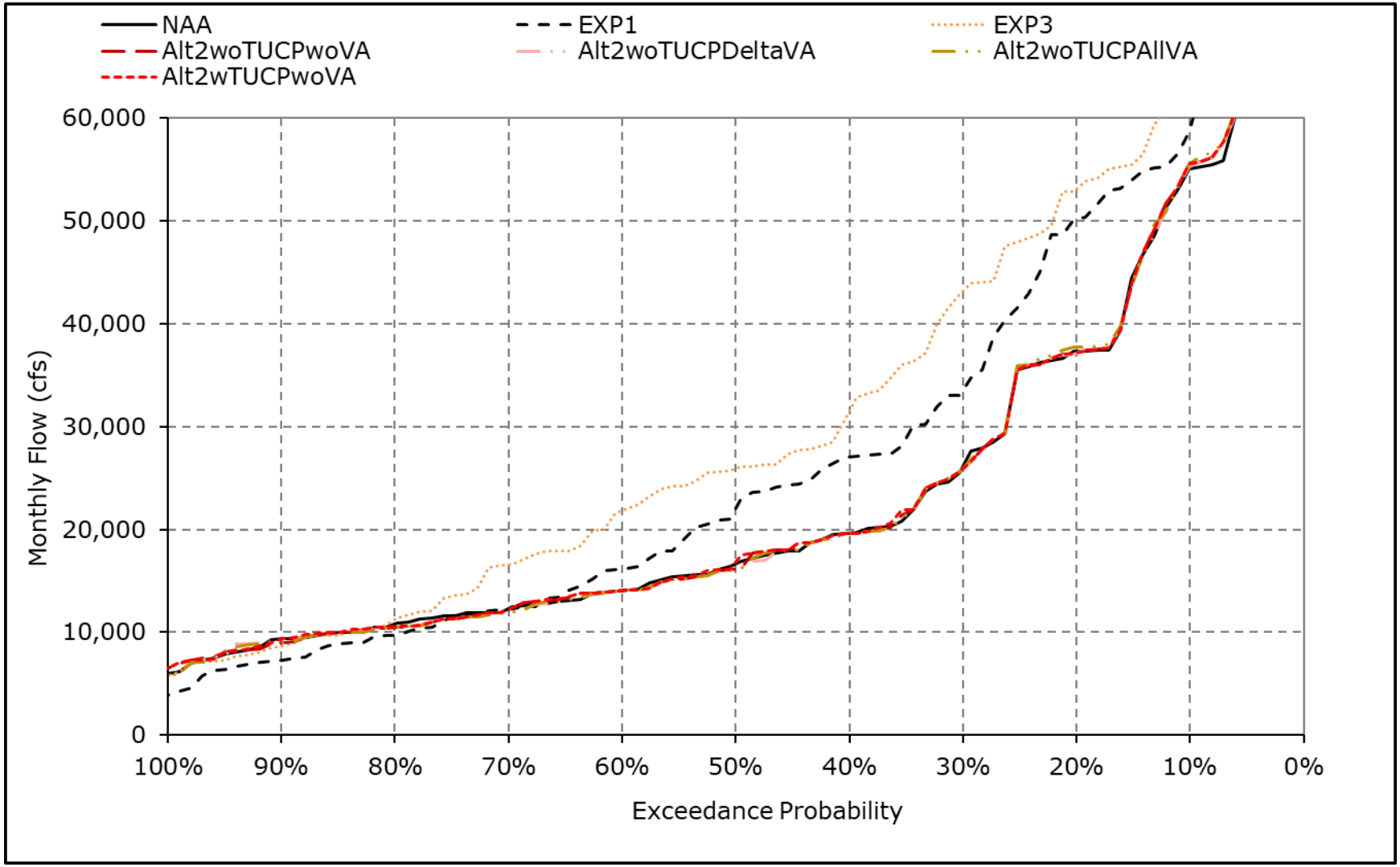
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-8. Sacramento River Flow at Freeport, November



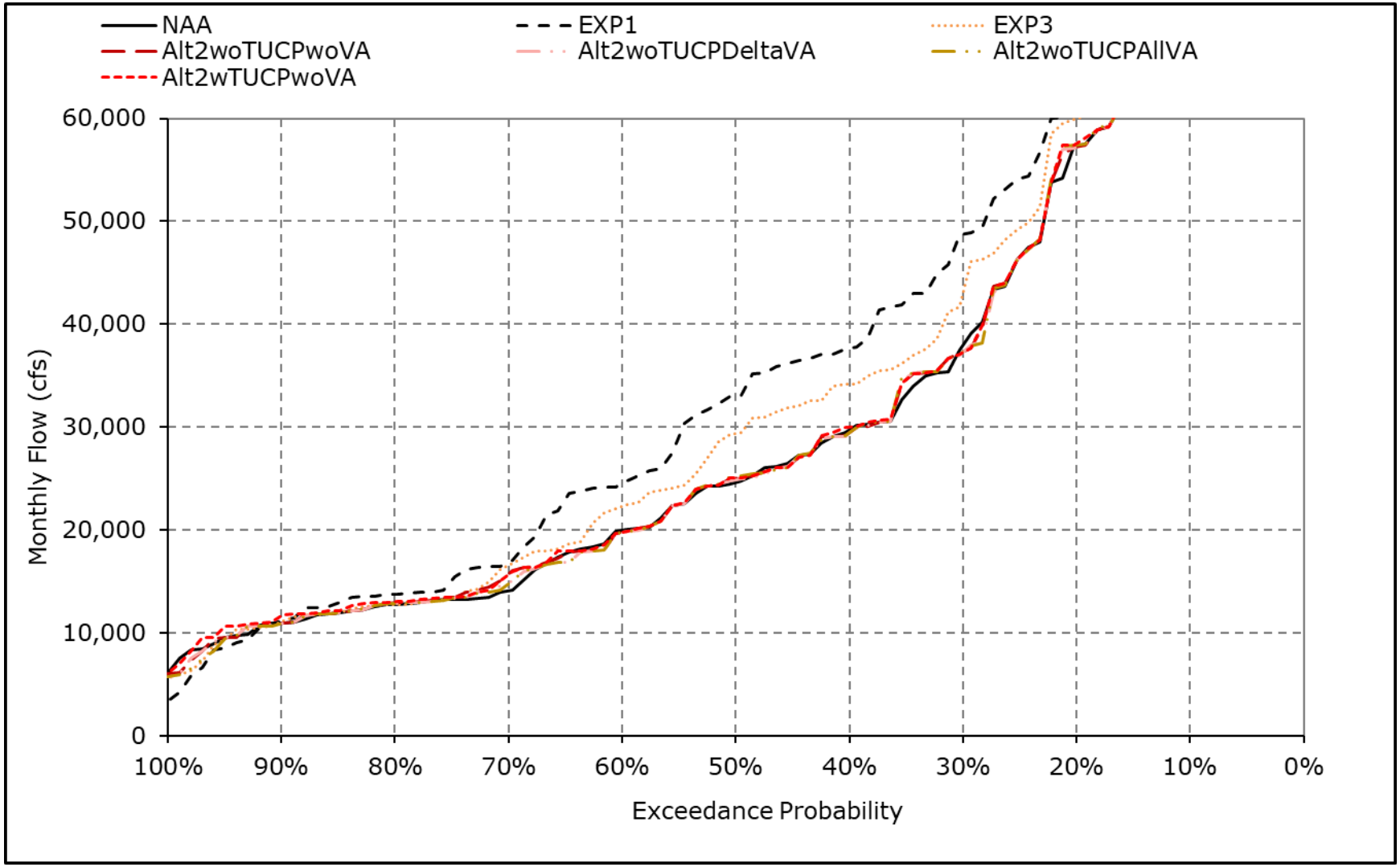
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-9. Sacramento River Flow at Freeport, December



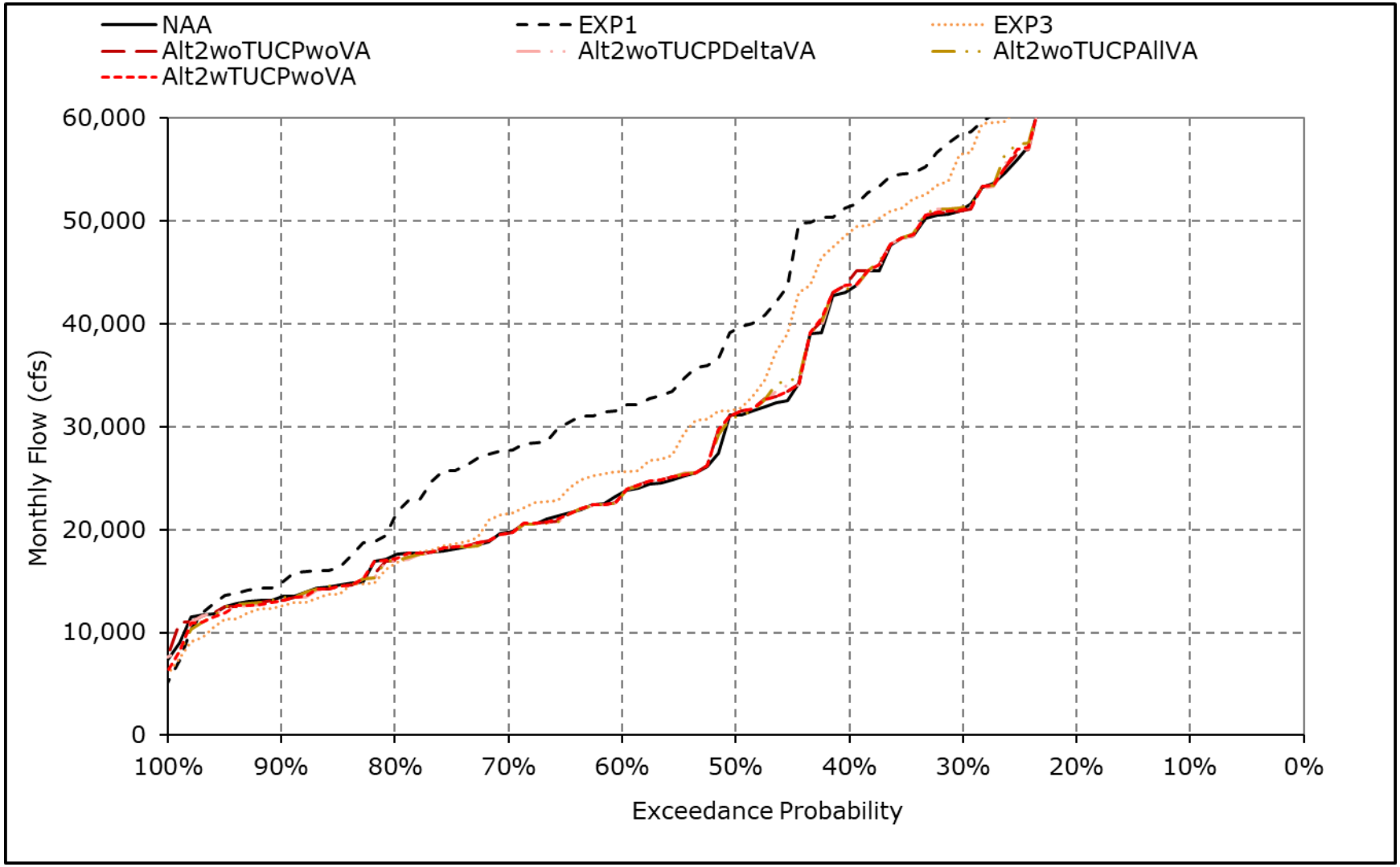
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-10. Sacramento River Flow at Freeport, January



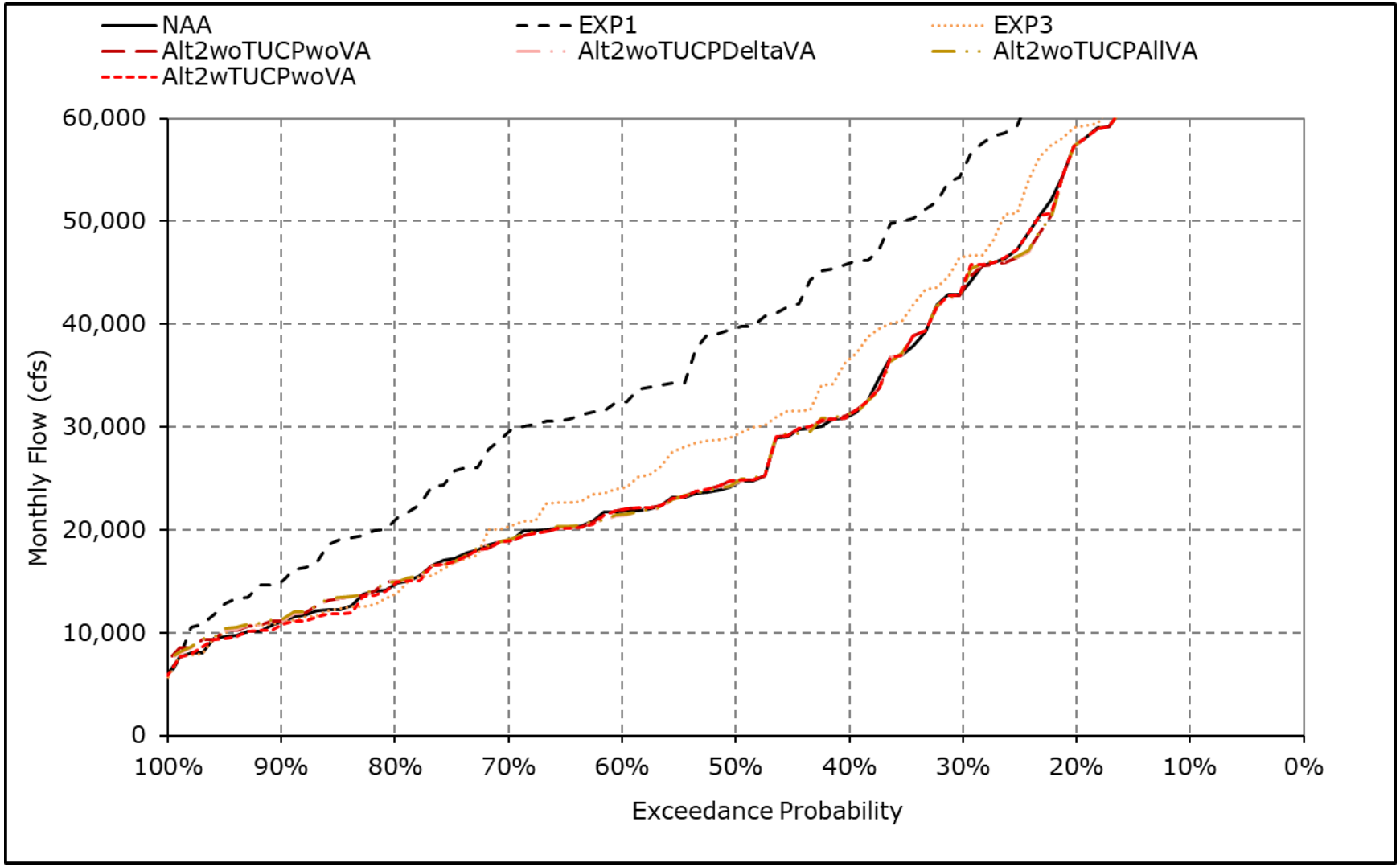
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-11. Sacramento River Flow at Freeport, February



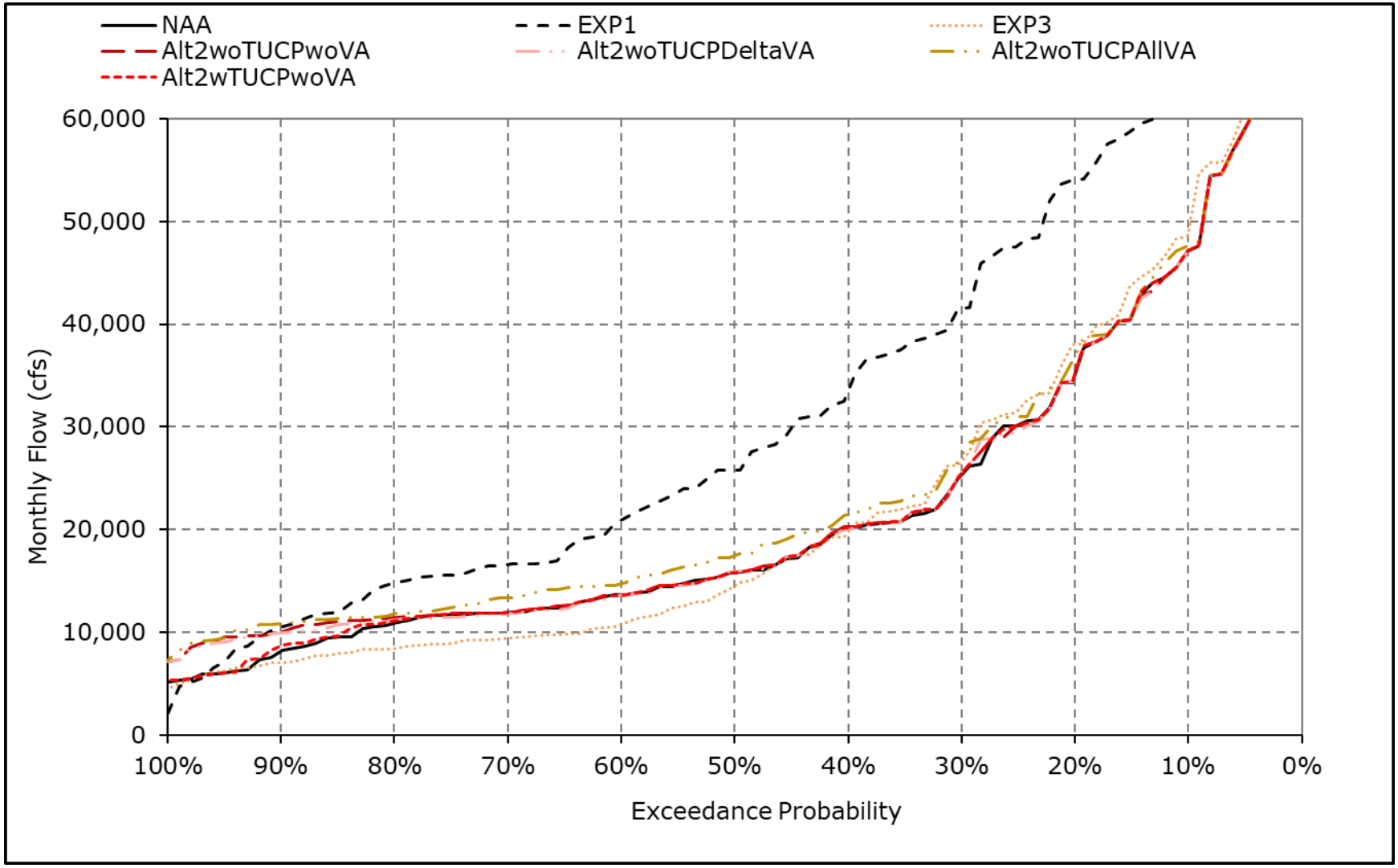
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-12. Sacramento River Flow at Freeport, March



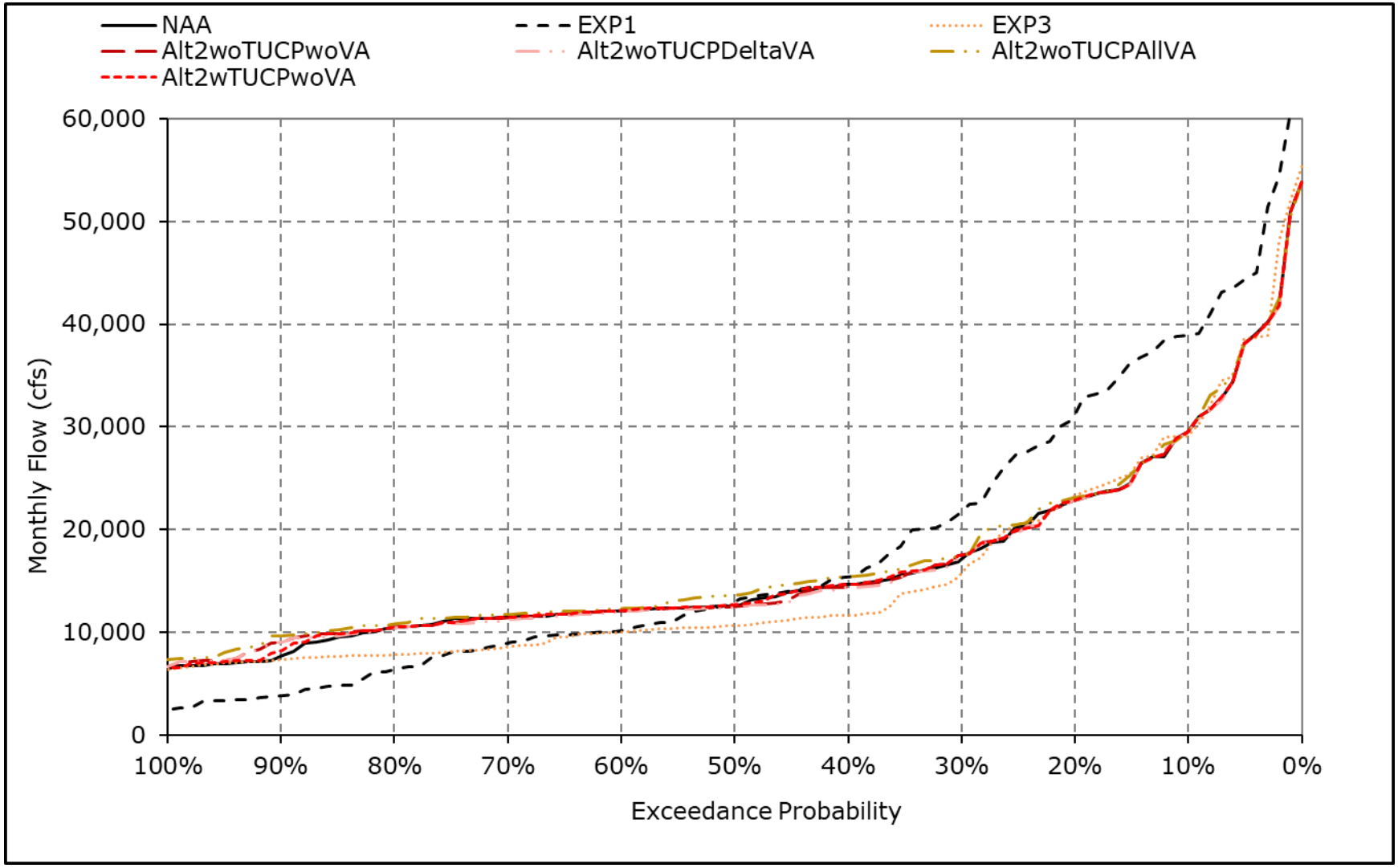
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-13. Sacramento River Flow at Freeport, April



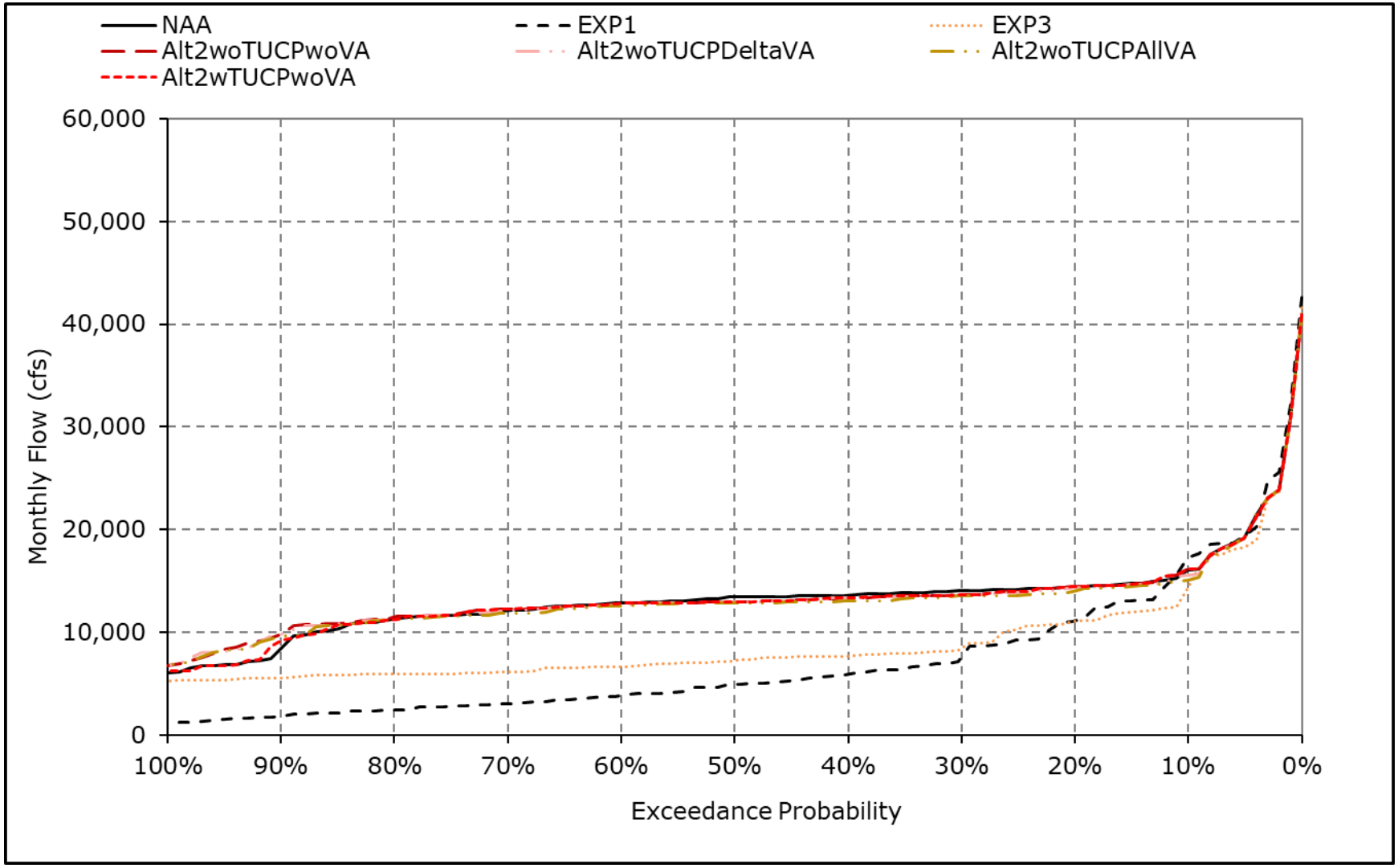
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-14. Sacramento River Flow at Freeport, May



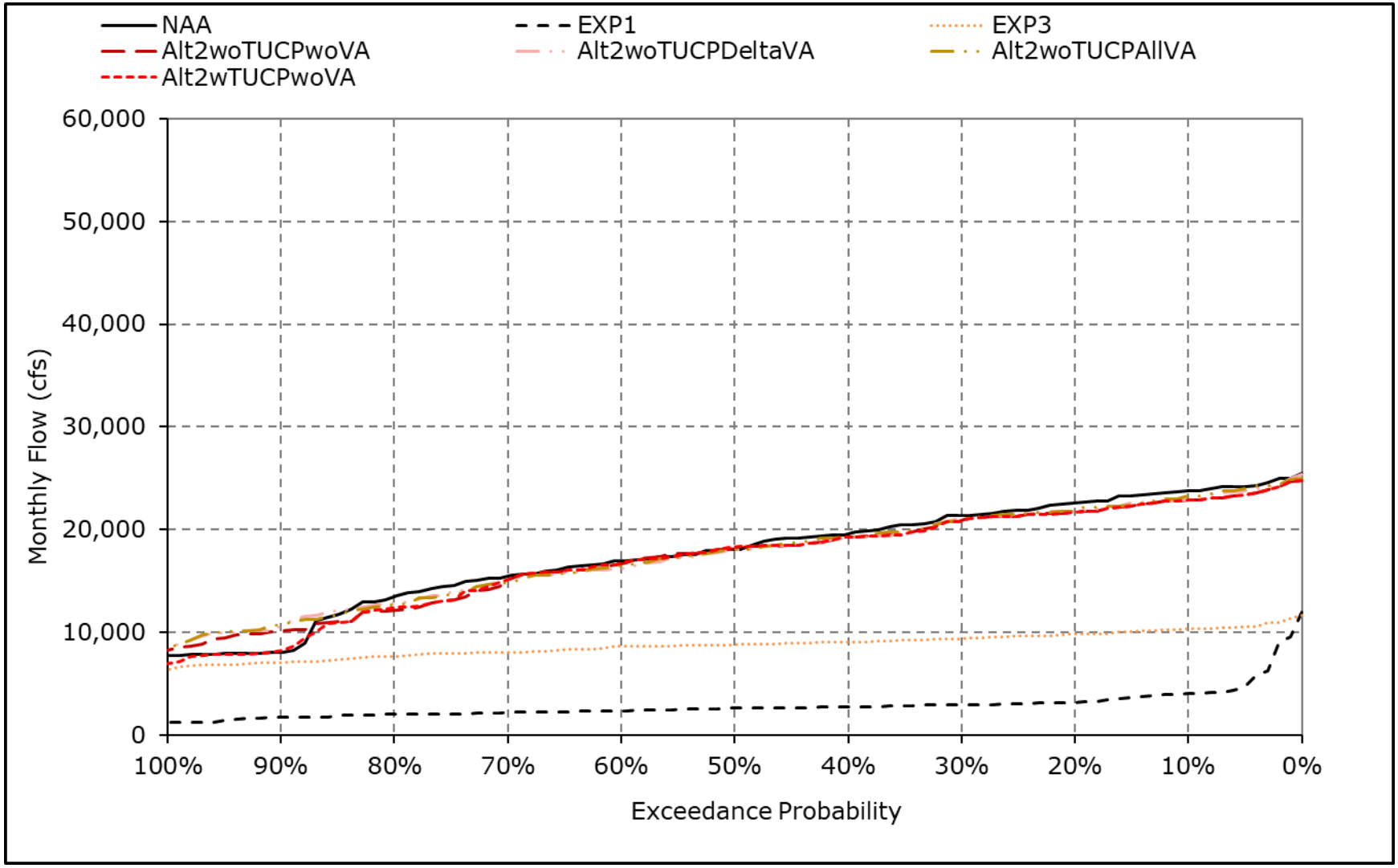
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-15. Sacramento River Flow at Freeport, June



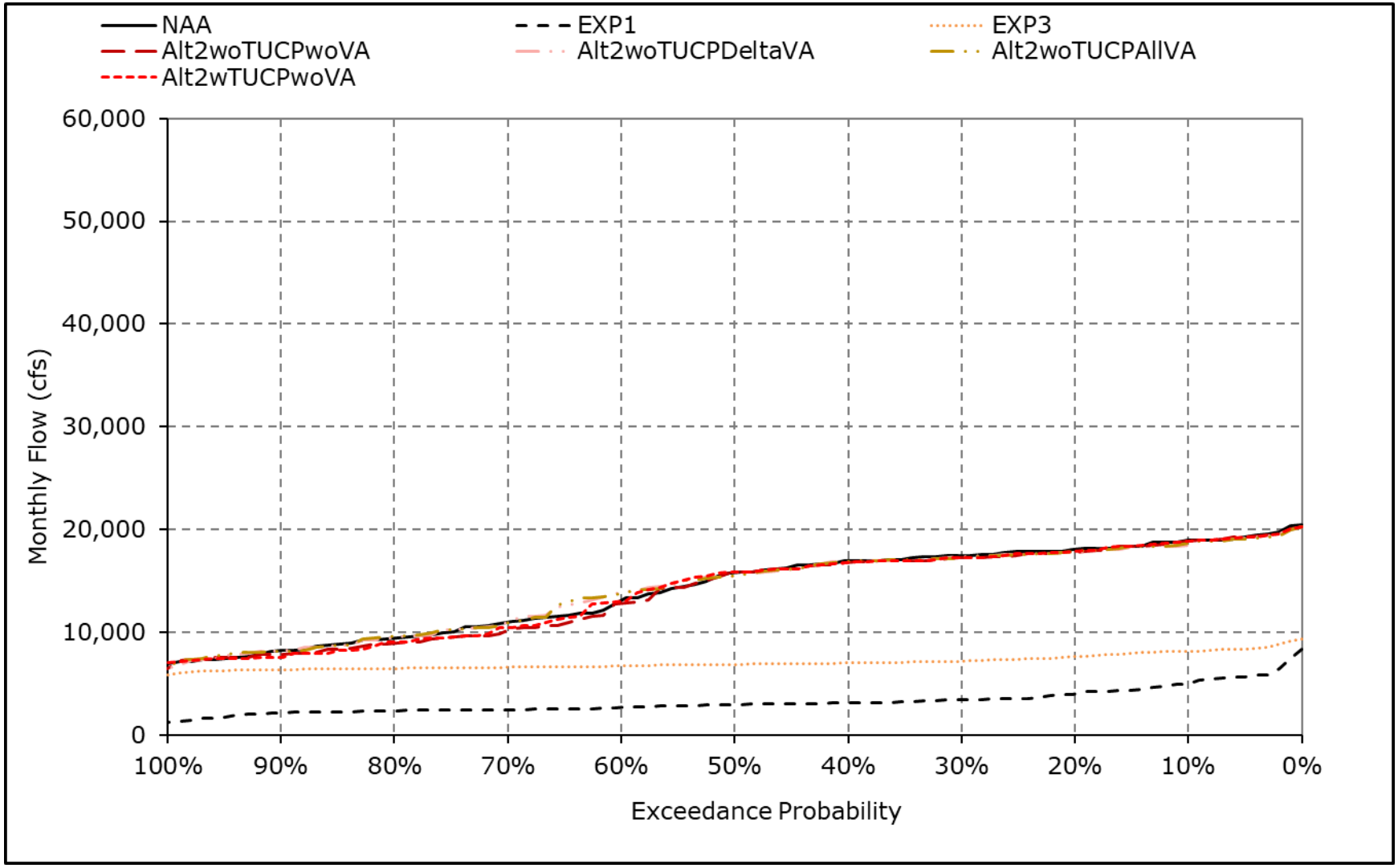
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-16. Sacramento River Flow at Freeport, July



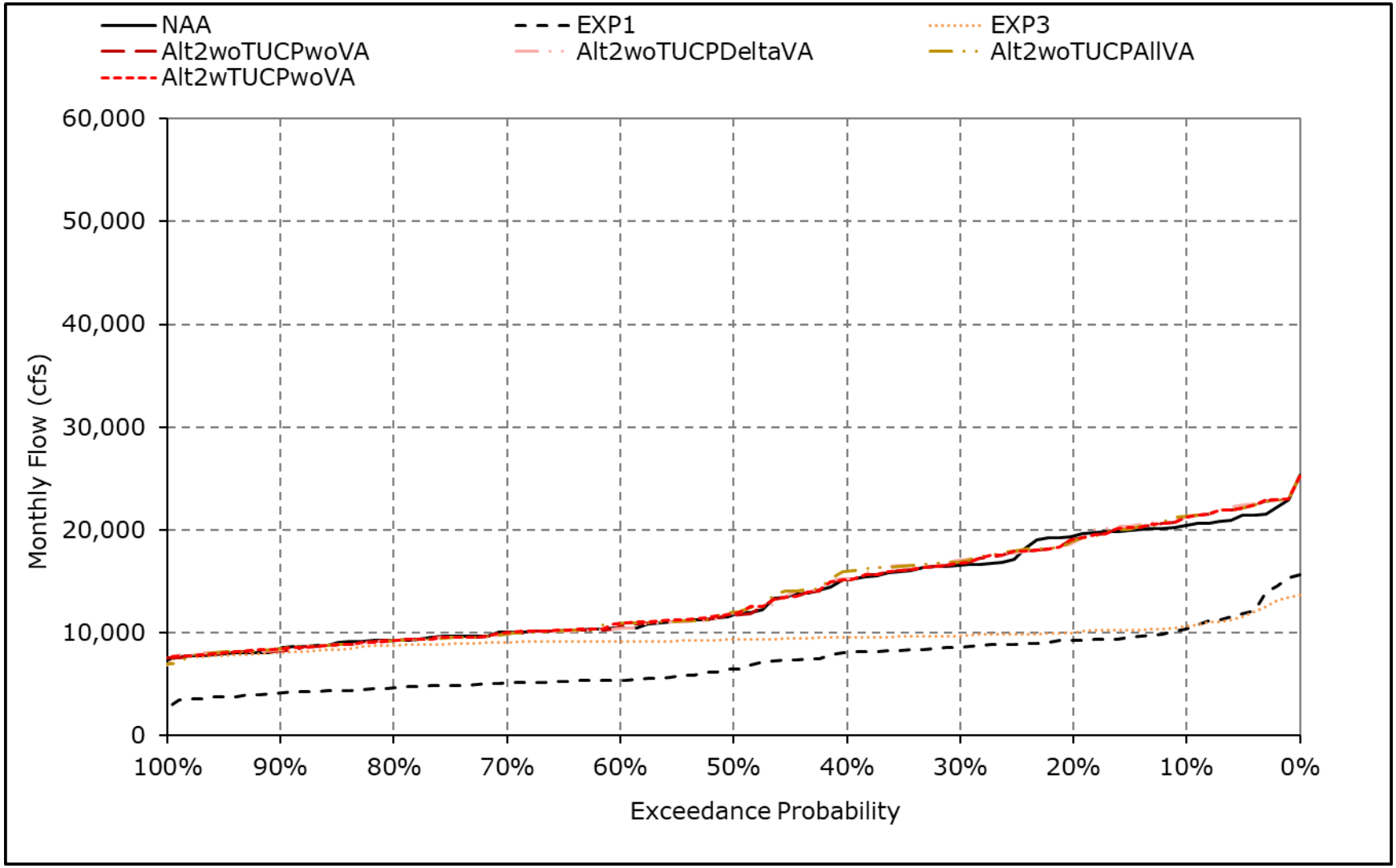
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-17. Sacramento River Flow at Freeport, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-14-18. Sacramento River Flow at Freeport, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-15-1a. Sacramento River Flow at Rio Vista, NAA, 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

Table F.2.2-15-1b. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,391	15,799	67,216	93,309	124,346	83,302	41,072	24,868	9,114	13,048	10,537	12,586
20% Exceedance	7,938	9,919	41,192	66,901	76,306	57,939	29,805	18,786	7,900	12,330	9,919	11,063
30% Exceedance	7,467	9,078	22,923	35,218	54,077	41,027	20,735	13,833	7,392	11,846	9,509	9,539
40% Exceedance	6,663	8,245	16,981	27,668	45,190	28,742	16,584	11,013	7,244	10,670	9,136	8,552
50% Exceedance	5,748	7,671	13,909	22,559	29,661	21,637	12,385	9,313	6,949	10,055	8,519	6,203
60% Exceedance	5,262	6,987	11,230	16,829	21,288	18,393	10,510	8,767	6,800	8,929	6,475	5,507
70% Exceedance	4,849	5,813	9,628	12,388	16,599	15,712	8,913	8,251	6,447	7,793	4,784	4,965
80% Exceedance	4,168	4,909	7,676	9,746	14,553	12,054	8,394	7,394	5,968	5,895	3,938	4,409
90% Exceedance	3,886	4,500	6,641	8,014	10,616	8,504	7,266	6,282	4,707	4,911	3,311	3,955
Full Simulation Period Average[a]	6,838	9,729	25,589	39,028	50,925	37,237	20,556	13,075	7,466	9,419	7,270	7,612
Wet Water Years (28%)	8,918	13,143	29,075	82,789	104,657	73,357	40,466	20,846	9,583	10,853	9,482	11,391
Above Normal Water Years (14%)	7,870	10,563	22,265	47,627	62,087	47,845	20,525	13,893	7,883	12,389	10,298	10,691
Below Normal Water Years (18%)	6,065	8,557	30,012	23,698	25,659	22,481	14,108	11,876	7,212	11,000	8,103	6,144
Dry Water Years (24%)	6,329	9,274	28,392	13,365	25,287	17,773	11,171	9,368	6,948	7,988	4,949	5,033
Critical Water Years (16%)	3,665	4,658	12,614	10,660	14,009	10,543	7,072	5,672	4,458	4,677	3,293	3,827

Table F.2.2-15-1c. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	20	-54	351	-30	111	-66	-9	-4	-607	-25	466
20% Exceedance	119	162	99	325	-1,227	-17	60	-4	-11	-563	-169	-284
30% Exceedance	130	414	109	-76	-292	214	73	386	-276	-238	-141	102
40% Exceedance	21	14	-493	-11	948	199	122	-52	-152	-293	-74	-62
50% Exceedance	-258	140	30	252	964	58	45	-190	-254	140	-16	2
60% Exceedance	66	-79	-2	-259	-193	17	66	-132	-103	-214	-214	76
70% Exceedance	80	69	176	1,023	-110	5	28	-16	-97	-364	-484	-29
80% Exceedance	-81	71	-173	140	-114	359	465	-63	268	-921	-287	11
90% Exceedance	96	27	-198	8	-37	54	1,722	1,283	923	1,338	-262	-36
Full Simulation Period Average[a]	-12	126	165	235	183	-31	390	46	60	-266	-175	53
Wet Water Years (28%)	-11	46	-59	425	218	-26	-13	74	117	-256	-156	8
Above Normal Water Years (14%)	74	5	40	512	7	-1,066	-70	49	37	-888	-143	479
Below Normal Water Years (18%)	-82	333	267	-45	363	153	50	-358	58	-407	-168	-35
Dry Water Years (24%)	-48	24	549	153	220	-25	95	105	-376	-525	-275	-13
Critical Water Years (16%)	43	314	-31	99	17	649	2,324	361	635	807	-98	-42

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-2a. Sacramento River Flow at Rio Vista, NAA, 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

Table F.2.2-15-2b. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,441	15,790	67,162	92,306	124,270	83,061	41,107	24,837	8,691	13,085	10,304	12,588
20% Exceedance	7,874	9,865	41,206	66,980	75,103	57,976	29,755	18,790	7,841	12,453	9,850	10,854
30% Exceedance	7,431	8,930	22,898	35,123	54,179	40,992	20,825	13,678	7,385	11,871	9,642	9,786
40% Exceedance	6,721	8,335	16,975	27,660	44,638	28,596	16,319	10,927	7,232	10,591	9,221	8,743
50% Exceedance	5,991	8,048	13,614	22,476	29,555	21,630	12,248	9,280	6,936	9,882	8,363	6,222
60% Exceedance	5,307	7,033	11,171	16,824	21,295	18,028	10,329	8,770	6,760	8,654	7,202	5,354
70% Exceedance	4,816	5,712	9,423	11,945	16,594	15,747	8,789	8,051	6,439	7,941	5,202	4,958
80% Exceedance	4,238	4,918	7,622	9,577	14,558	12,052	8,227	7,321	5,838	6,381	4,232	4,349
90% Exceedance	3,845	4,500	6,648	8,034	10,294	8,507	7,084	6,276	4,714	5,470	3,646	3,966
Full Simulation Period Average[a]	6,854	9,744	25,481	38,906	50,824	37,217	20,461	12,994	7,419	9,595	7,464	7,675
Wet Water Years (28%)	8,913	13,256	28,926	82,497	104,587	73,357	40,474	20,772	9,568	10,865	9,480	11,467
Above Normal Water Years (14%)	7,870	10,676	22,251	47,762	62,104	47,830	20,438	13,811	7,732	12,881	10,245	10,885
Below Normal Water Years (18%)	6,218	8,621	29,970	23,606	25,416	22,456	13,890	11,735	7,188	10,906	8,516	6,188
Dry Water Years (24%)	6,298	9,154	28,271	13,220	25,319	17,742	11,012	9,265	6,873	8,238	5,385	4,982
Critical Water Years (16%)	3,646	4,546	12,427	10,615	13,707	10,503	7,021	5,678	4,462	5,059	3,436	3,939

Table F.2.2-15-2c. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53	11	-108	-653	-106	-130	-31	-39	-427	-569	-257	468
20% Exceedance	56	108	113	404	-2,430	21	10	0	-70	-440	-238	-493
30% Exceedance	95	266	83	-171	-189	179	163	230	-284	-213	-7	350
40% Exceedance	79	104	-499	-20	395	53	-143	-139	-164	-372	11	129
50% Exceedance	-15	517	-265	169	858	51	-92	-223	-268	-32	-172	21
60% Exceedance	111	-33	-61	-265	-186	-347	-115	-129	-143	-488	513	-77
70% Exceedance	47	-32	-29	580	-115	41	-96	-216	-105	-216	-66	-36
80% Exceedance	-11	80	-227	-29	-109	357	298	-136	138	-434	7	-49
90% Exceedance	55	27	-190	27	-360	58	1,539	1,277	930	1,898	73	-25
Full Simulation Period Average[a]	5	141	56	114	81	-52	295	-35	13	-89	18	116
Wet Water Years (28%)	-15	160	-208	134	148	-26	-4	0	102	-244	-157	85
Above Normal Water Years (14%)	75	118	26	646	24	-1,082	-156	-33	-114	-395	-196	672
Below Normal Water Years (18%)	71	397	225	-137	120	127	-167	-499	34	-501	245	10
Dry Water Years (24%)	-78	-96	427	8	253	-57	-64	1	-452	-275	162	-64
Critical Water Years (16%)	25	201	-218	55	-285	610	2,273	368	639	1,189	45	70

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-3a. Sacramento River Flow at Rio Vista, NAA, 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

Table F.2.2-15-3b. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,394	16,179	67,242	92,434	124,270	82,704	41,217	24,854	8,423	13,321	10,420	12,689
20% Exceedance	7,950	9,965	41,247	67,348	76,037	57,989	31,272	18,787	7,624	12,446	9,926	10,952
30% Exceedance	7,363	8,977	22,923	35,178	54,329	41,219	22,503	13,727	7,327	11,822	9,534	9,699
40% Exceedance	6,781	8,335	16,984	27,664	44,542	28,539	17,514	11,814	7,026	10,658	9,226	9,054
50% Exceedance	6,048	8,050	13,745	22,815	29,154	21,817	13,880	10,374	6,868	9,953	8,294	6,379
60% Exceedance	5,189	7,023	11,202	16,840	21,281	17,975	11,550	9,167	6,695	8,848	7,158	5,632
70% Exceedance	4,660	5,609	9,459	11,940	16,600	15,761	10,040	8,547	6,167	7,769	5,212	4,963
80% Exceedance	4,245	4,962	7,636	9,578	14,569	11,949	8,654	7,830	5,815	6,283	4,335	4,425
90% Exceedance	3,955	4,500	6,537	8,017	10,588	8,674	7,839	6,700	4,564	5,332	3,506	4,076
Full Simulation Period Average[a]	6,871	9,834	25,585	38,945	50,917	37,213	21,422	13,555	7,304	9,560	7,471	7,711
Wet Water Years (28%)	8,895	13,254	28,933	82,548	104,599	73,135	40,621	20,886	9,542	10,895	9,500	11,448
Above Normal Water Years (14%)	7,859	10,786	22,336	48,061	62,221	47,766	22,014	14,973	7,527	12,574	10,184	10,828
Below Normal Water Years (18%)	6,302	8,648	29,983	23,638	25,508	22,486	15,917	12,687	6,916	10,953	8,501	6,396
Dry Water Years (24%)	6,320	9,568	28,626	13,229	25,552	17,916	12,185	9,789	6,781	8,181	5,426	4,988
Critical Water Years (16%)	3,671	4,348	12,442	10,455	13,713	10,626	7,357	6,111	4,414	5,086	3,452	4,007

Table F.2.2-15-3c. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	400	-28	-524	-106	-486	79	-22	-695	-333	-141	569
20% Exceedance	132	208	154	772	-1,496	33	1,527	-3	-286	-447	-162	-395
30% Exceedance	27	313	109	-116	-40	407	1,841	279	-341	-262	-116	262
40% Exceedance	140	104	-491	-16	300	-4	1,053	748	-370	-304	16	439
50% Exceedance	41	519	-133	507	457	238	1,541	870	-335	39	-241	178
60% Exceedance	-6	-44	-30	-248	-200	-400	1,105	268	-209	-295	469	202
70% Exceedance	-109	-135	7	575	-109	54	1,154	280	-377	-388	-56	-31
80% Exceedance	-4	124	-213	-28	-98	254	725	374	115	-533	110	26
90% Exceedance	166	27	-302	10	-66	225	2,294	1,701	780	1,759	-67	85
Full Simulation Period Average[a]	22	231	161	152	174	-56	1,257	526	-102	-125	25	152
Wet Water Years (28%)	-34	158	-201	185	160	-248	142	114	76	-213	-138	66
Above Normal Water Years (14%)	64	228	111	946	141	-1,145	1,419	1,129	-319	-702	-257	615
Below Normal Water Years (18%)	155	424	238	-105	212	158	1,860	453	-238	-454	229	218
Dry Water Years (24%)	-57	317	782	16	485	118	1,109	526	-543	-332	202	-58
Critical Water Years (16%)	49	4	-203	-105	-279	733	2,609	800	591	1,216	61	139

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-4a. Sacramento River Flow at Rio Vista, NAA, 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

Table F.2.2-15-4b. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,394	15,805	67,512	93,330	124,364	83,363	41,140	24,868	9,114	13,047	10,535	12,586
20% Exceedance	8,016	9,992	41,081	67,476	77,735	57,941	29,814	18,790	7,900	12,329	9,938	11,063
30% Exceedance	7,545	9,108	23,245	35,127	54,316	41,112	20,750	13,834	7,395	11,849	9,507	9,540
40% Exceedance	6,715	8,245	16,991	27,954	44,721	28,580	16,533	11,145	7,253	10,671	9,137	8,585
50% Exceedance	5,767	7,705	14,464	22,620	29,664	21,649	12,390	9,547	6,947	10,076	8,523	6,280
60% Exceedance	5,201	6,988	11,237	16,837	21,293	18,406	10,510	8,810	6,803	9,063	6,652	5,701
70% Exceedance	4,855	5,933	9,633	12,329	16,600	15,712	8,918	8,270	6,448	7,929	4,950	5,029
80% Exceedance	4,213	4,801	7,807	9,892	14,639	11,729	8,185	7,393	5,825	6,102	3,987	4,396
90% Exceedance	3,900	4,500	6,897	8,750	10,399	8,276	6,054	5,585	4,325	3,531	3,254	4,052
Full Simulation Period Average[a]	6,877	9,720	25,648	39,216	50,955	37,229	20,256	13,081	7,348	9,277	7,341	7,654
Wet Water Years (28%)	8,920	13,143	29,084	82,929	104,714	73,384	40,478	20,849	9,584	10,845	9,483	11,390
Above Normal Water Years (14%)	8,034	10,568	22,274	47,904	62,179	48,752	20,573	13,903	7,885	12,384	10,340	10,708
Below Normal Water Years (18%)	6,102	8,573	30,040	23,795	25,801	22,506	14,172	11,969	7,178	11,025	8,466	6,277
Dry Water Years (24%)	6,327	9,285	28,399	13,357	25,410	17,768	11,176	9,378	6,948	8,015	4,975	5,035
Critical Water Years (16%)	3,715	4,553	12,935	11,251	13,674	9,628	5,058	5,575	3,756	3,744	3,252	3,920

Table F.2.2-15-4c. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	25	242	371	-12	173	1	-8	-4	-608	-26	466
20% Exceedance	198	234	-12	900	202	-15	69	0	-11	-564	-150	-284
30% Exceedance	209	444	430	-167	-53	300	88	387	-273	-235	-143	103
40% Exceedance	74	14	-483	274	479	37	71	79	-142	-292	-73	-30
50% Exceedance	-240	174	585	312	967	69	50	44	-256	162	-12	79
60% Exceedance	5	-78	4	-252	-188	31	66	-89	-101	-80	-37	270
70% Exceedance	86	189	181	964	-109	5	33	3	-96	-228	-318	35
80% Exceedance	-36	-37	-42	286	-29	35	256	-64	124	-714	-238	-2
90% Exceedance	110	27	59	744	-255	-174	509	586	541	-42	-318	61
Full Simulation Period Average[a]	27	117	223	424	213	-40	91	52	-58	-407	-105	95
Wet Water Years (28%)	-8	46	-50	566	275	1	0	77	118	-264	-155	8
Above Normal Water Years (14%)	239	10	49	788	99	-160	-22	59	39	-893	-101	495
Below Normal Water Years (18%)	-45	349	296	52	505	177	114	-265	24	-382	195	98
Dry Water Years (24%)	-50	35	555	145	344	-30	99	115	-376	-498	-249	-11
Critical Water Years (16%)	94	209	290	690	-318	-265	309	265	-68	-126	-139	51

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-5a. Sacramento River Flow at Rio Vista, NAA, 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

Table F.2.2-15-5b. Sacramento River Flow at Rio Vista, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,478	17,231	92,417	103,773	125,754	92,361	42,260	24,562	10,617	7,352	5,549	7,814
20% Exceedance	6,802	12,186	58,316	70,025	86,959	64,086	32,652	19,168	7,672	6,721	5,068	7,325
30% Exceedance	6,043	10,333	42,367	44,399	62,014	44,572	22,450	12,066	5,509	6,482	4,744	7,132
40% Exceedance	5,597	9,061	27,802	31,840	49,221	33,431	16,248	8,909	4,874	6,332	4,623	6,931
50% Exceedance	5,451	8,216	22,567	26,927	30,735	25,437	11,113	7,692	4,392	6,124	4,413	6,727
60% Exceedance	5,287	7,589	18,162	18,964	23,275	20,923	7,971	7,108	3,922	5,807	4,268	6,554
70% Exceedance	5,044	6,775	13,648	13,202	18,654	16,902	6,697	5,835	3,542	5,479	4,165	6,475
80% Exceedance	4,258	5,811	8,935	9,704	14,037	10,855	5,838	5,172	3,329	4,898	3,990	6,155
90% Exceedance	4,044	4,500	6,290	8,250	10,120	8,483	4,693	4,663	3,025	4,484	3,870	5,703
Full Simulation Period Average[a]	6,106	10,784	36,704	42,680	54,410	39,618	19,902	11,966	6,077	5,985	4,540	6,873
Wet Water Years (28%)	6,404	14,089	45,377	89,248	107,601	73,399	40,589	20,387	9,799	6,087	4,956	7,497
Above Normal Water Years (14%)	6,314	10,923	35,947	53,665	69,321	53,673	20,619	12,977	6,508	6,855	4,802	7,088
Below Normal Water Years (18%)	6,045	9,448	41,952	27,487	29,926	26,193	14,144	10,298	5,000	6,364	4,453	7,124
Dry Water Years (24%)	6,950	11,267	37,661	14,567	29,293	21,927	9,896	7,267	3,981	5,878	4,257	6,641
Critical Water Years (16%)	4,062	5,302	13,441	10,834	13,499	9,843	4,558	5,270	3,544	4,779	4,102	5,655

Table F.2.2-15-5c. Sacramento River Flow at Rio Vista, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,910	1,452	25,146	10,814	1,378	9,170	1,122	-314	1,500	-6,303	-5,012	-4,306
20% Exceedance	-1,017	2,429	17,223	3,449	9,426	6,131	2,907	378	-238	-6,172	-5,020	-4,022
30% Exceedance	-1,293	1,669	19,552	9,105	7,646	3,759	1,788	-1,381	-2,159	-5,602	-4,906	-2,304
40% Exceedance	-1,045	830	10,327	4,160	4,979	4,888	-214	-2,157	-2,522	-4,630	-4,587	-1,683
50% Exceedance	-555	685	8,688	4,619	2,038	3,858	-1,227	-1,811	-2,811	-3,791	-4,123	526
60% Exceedance	91	522	6,930	1,876	1,793	2,548	-2,473	-1,791	-2,981	-3,336	-2,421	1,123
70% Exceedance	274	1,031	4,196	1,837	1,945	1,196	-2,188	-2,432	-3,002	-2,678	-1,103	1,481
80% Exceedance	9	973	1,085	98	-631	-839	-2,091	-2,285	-2,371	-1,918	-235	1,757
90% Exceedance	254	27	-548	243	-534	33	-852	-335	-759	911	297	1,712
Full Simulation Period Average[a]	-744	1,181	11,279	3,888	3,668	2,349	-264	-1,063	-1,329	-3,700	-2,906	-686
Wet Water Years (28%)	-2,524	993	16,243	6,885	3,162	16	110	-385	332	-5,022	-4,682	-3,885
Above Normal Water Years (14%)	-1,481	365	13,722	6,549	7,241	4,761	24	-867	-1,338	-6,422	-5,639	-3,124
Below Normal Water Years (18%)	-102	1,224	12,208	3,745	4,630	3,864	87	-1,937	-2,154	-5,043	-3,818	945
Dry Water Years (24%)	573	2,017	9,817	1,355	4,226	4,129	-1,181	-1,996	-3,343	-2,635	-966	1,595
Critical Water Years (16%)	441	957	796	273	-493	-50	-190	-40	-280	910	711	1,787

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-6a. Sacramento River Flow at Rio Vista, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,303	20,477	77,782	104,102	121,974	92,592	60,564	32,580	13,325	2,169	2,873	7,585
20% Exceedance	7,383	12,925	58,695	78,003	89,330	71,802	49,005	25,703	7,925	1,623	1,922	6,589
30% Exceedance	5,785	10,075	32,757	52,315	70,217	55,610	36,037	17,237	4,741	1,166	1,575	6,223
40% Exceedance	4,803	6,853	23,576	35,167	55,202	43,761	28,389	12,079	3,296	956	1,314	5,623
50% Exceedance	3,838	5,462	19,208	32,236	38,896	35,122	21,044	9,788	2,549	812	1,106	4,375
60% Exceedance	3,109	4,791	13,308	21,454	29,957	28,978	16,574	7,316	1,564	662	926	3,345
70% Exceedance	2,434	3,853	9,215	14,458	24,522	24,902	12,793	6,242	950	506	696	3,182
80% Exceedance	1,624	2,489	7,172	10,839	18,184	17,244	11,231	3,997	573	286	609	2,688
90% Exceedance	838	1,504	4,868	8,463	11,997	11,928	7,597	1,678	65	113	398	2,244
Full Simulation Period Average[a]	5,153	9,889	30,866	45,419	57,776	46,943	29,463	14,419	4,625	1,120	1,360	4,845
Wet Water Years (28%)	6,191	12,287	31,532	90,542	107,664	80,450	54,114	26,812	9,969	1,786	2,105	7,166
Above Normal Water Years (14%)	5,714	10,582	28,660	60,011	72,219	62,085	33,063	16,701	5,130	741	1,474	5,558
Below Normal Water Years (18%)	4,701	9,119	37,232	31,418	34,206	34,925	24,288	11,037	3,351	785	941	4,696
Dry Water Years (24%)	6,386	11,335	34,301	17,081	35,490	29,281	17,333	8,274	1,612	794	860	3,521
Critical Water Years (16%)	1,227	3,331	18,690	11,945	17,779	15,072	7,189	3,758	784	1,153	1,181	2,311

Table F.2.2-15-6b. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,391	15,799	67,216	93,309	124,346	83,302	41,072	24,868	9,114	13,048	10,537	12,586
20% Exceedance	7,938	9,919	41,192	66,901	76,306	57,939	29,805	18,786	7,900	12,330	9,919	11,063
30% Exceedance	7,467	9,078	22,923	35,218	54,077	41,027	20,735	13,833	7,392	11,846	9,509	9,539
40% Exceedance	6,663	8,245	16,981	27,668	45,190	28,742	16,584	11,013	7,244	10,670	9,136	8,552
50% Exceedance	5,748	7,671	13,909	22,559	29,661	21,637	12,385	9,313	6,949	10,055	8,519	6,203
60% Exceedance	5,262	6,987	11,230	16,829	21,288	18,393	10,510	8,767	6,800	8,929	6,475	5,507
70% Exceedance	4,849	5,813	9,628	12,388	16,599	15,712	8,913	8,251	6,447	7,793	4,784	4,965
80% Exceedance	4,168	4,909	7,676	9,746	14,553	12,054	8,394	7,394	5,968	5,895	3,938	4,409
90% Exceedance	3,886	4,500	6,641	8,014	10,616	8,504	7,266	6,282	4,707	4,911	3,311	3,955
Full Simulation Period Average[a]	6,838	9,729	25,589	39,028	50,925	37,237	20,556	13,075	7,466	9,419	7,270	7,612
Wet Water Years (28%)	8,918	13,143	29,075	82,789	104,657	73,357	40,466	20,846	9,583	10,853	9,482	11,391
Above Normal Water Years (14%)	7,870	10,563	22,265	47,627	62,087	47,845	20,525	13,893	7,883	12,389	10,298	10,691
Below Normal Water Years (18%)	6,065	8,557	30,012	23,698	25,659	22,481	14,108	11,876	7,212	11,000	8,103	6,144
Dry Water Years (24%)	6,329	9,274	28,392	13,365	25,287	17,773	11,171	9,368	6,948	7,988	4,949	5,033
Critical Water Years (16%)	3,665	4,658	12,614	10,660	14,009	10,543	7,072	5,672	4,458	4,677	3,293	3,827

Table F.2.2-15-6c. Sacramento River Flow at Rio Vista, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	88	-4,678	-10,566	-10,793	2,372	-9,290	-19,492	-7,712	-4,212	10,879	7,664	5,001
20% Exceedance	555	-3,006	-17,503	-11,102	-13,024	-13,863	-19,200	-6,917	-25	10,707	7,997	4,474
30% Exceedance	1,681	-997	-9,834	-17,096	-16,140	-14,583	-15,302	-3,404	2,651	10,680	7,934	3,316
40% Exceedance	1,860	1,392	-6,594	-7,498	-10,012	-15,018	-11,805	-1,066	3,948	9,714	7,822	2,930
50% Exceedance	1,911	2,209	-5,299	-9,676	-9,234	-13,485	-8,659	-474	4,400	9,243	7,413	1,827
60% Exceedance	2,153	2,196	-2,077	-4,625	-8,668	-10,585	-6,064	1,451	5,236	8,268	5,549	2,162
70% Exceedance	2,415	1,960	413	-2,070	-7,923	-9,191	-3,880	2,009	5,497	7,286	4,088	1,782
80% Exceedance	2,544	2,420	504	-1,093	-3,631	-5,189	-2,837	3,397	5,395	5,609	3,329	1,721
90% Exceedance	3,048	2,996	1,773	-449	-1,381	-3,424	-331	4,604	4,642	4,798	2,913	1,711
Full Simulation Period Average[a]	1,684	-160	-5,276	-6,392	-6,851	-9,706	-8,907	-1,344	2,841	8,298	5,910	2,768
Wet Water Years (28%)	2,727	856	-2,457	-7,753	-3,007	-7,093	-13,648	-5,966	-386	9,067	7,377	4,225
Above Normal Water Years (14%)	2,156	-19	-6,395	-12,384	-10,132	-14,240	-12,538	-2,808	2,752	11,648	8,825	5,133
Below Normal Water Years (18%)	1,364	-562	-7,221	-7,720	-8,547	-12,444	-10,180	838	3,861	10,215	7,163	1,448
Dry Water Years (24%)	-57	-2,061	-5,909	-3,716	-10,203	-11,508	-6,161	1,095	5,336	7,194	4,090	1,512
Critical Water Years (16%)	2,437	1,327	-6,076	-1,286	-3,770	-4,529	-117	1,914	3,674	3,523	2,112	1,516

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-7a. Sacramento River Flow at Rio Vista, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,303	20,477	77,782	104,102	121,974	92,592	60,564	32,580	13,325	2,169	2,873	7,585
20% Exceedance	7,383	12,925	58,695	78,003	89,330	71,802	49,005	25,703	7,925	1,623	1,922	6,589
30% Exceedance	5,785	10,075	32,757	52,315	70,217	55,610	36,037	17,237	4,741	1,166	1,575	6,223
40% Exceedance	4,803	6,853	23,576	35,167	55,202	43,761	28,389	12,079	3,296	956	1,314	5,623
50% Exceedance	3,838	5,462	19,208	32,236	38,896	35,122	21,044	9,788	2,549	812	1,106	4,375
60% Exceedance	3,109	4,791	13,308	21,454	29,957	28,978	16,574	7,316	1,564	662	926	3,345
70% Exceedance	2,434	3,853	9,215	14,458	24,522	24,902	12,793	6,242	950	506	696	3,182
80% Exceedance	1,624	2,489	7,172	10,839	18,184	17,244	11,231	3,997	573	286	609	2,688
90% Exceedance	838	1,504	4,868	8,463	11,997	11,928	7,597	1,678	65	113	398	2,244
Full Simulation Period Average[a]	5,153	9,889	30,866	45,419	57,776	46,943	29,463	14,419	4,625	1,120	1,360	4,845
Wet Water Years (28%)	6,191	12,287	31,532	90,542	107,664	80,450	54,114	26,812	9,969	1,786	2,105	7,166
Above Normal Water Years (14%)	5,714	10,582	28,660	60,011	72,219	62,085	33,063	16,701	5,130	741	1,474	5,558
Below Normal Water Years (18%)	4,701	9,119	37,232	31,418	34,206	34,925	24,288	11,037	3,351	785	941	4,696
Dry Water Years (24%)	6,386	11,335	34,301	17,081	35,490	29,281	17,333	8,274	1,612	794	860	3,521
Critical Water Years (16%)	1,227	3,331	18,690	11,945	17,779	15,072	7,189	3,758	784	1,153	1,181	2,311

Table F.2.2-15-7b. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,441	15,790	67,162	92,306	124,270	83,061	41,107	24,837	8,691	13,085	10,304	12,588
20% Exceedance	7,874	9,865	41,206	66,980	75,103	57,976	29,755	18,790	7,841	12,453	9,850	10,854
30% Exceedance	7,431	8,930	22,898	35,123	54,179	40,992	20,825	13,678	7,385	11,871	9,642	9,786
40% Exceedance	6,721	8,335	16,975	27,660	44,638	28,596	16,319	10,927	7,232	10,591	9,221	8,743
50% Exceedance	5,991	8,048	13,614	22,476	29,555	21,630	12,248	9,280	6,936	9,882	8,363	6,222
60% Exceedance	5,307	7,033	11,171	16,824	21,295	18,028	10,329	8,770	6,760	8,654	7,202	5,354
70% Exceedance	4,816	5,712	9,423	11,945	16,594	15,747	8,789	8,051	6,439	7,941	5,202	4,958
80% Exceedance	4,238	4,918	7,622	9,577	14,558	12,052	8,227	7,321	5,838	6,381	4,232	4,349
90% Exceedance	3,845	4,500	6,648	8,034	10,294	8,507	7,084	6,276	4,714	5,470	3,646	3,966
Full Simulation Period Average[a]	6,854	9,744	25,481	38,906	50,824	37,217	20,461	12,994	7,419	9,595	7,464	7,675
Wet Water Years (28%)	8,913	13,256	28,926	82,497	104,587	73,357	40,474	20,772	9,568	10,865	9,480	11,467
Above Normal Water Years (14%)	7,870	10,676	22,251	47,762	62,104	47,830	20,438	13,811	7,732	12,881	10,245	10,885
Below Normal Water Years (18%)	6,218	8,621	29,970	23,606	25,416	22,456	13,890	11,735	7,188	10,906	8,516	6,188
Dry Water Years (24%)	6,298	9,154	28,271	13,220	25,319	17,742	11,012	9,265	6,873	8,238	5,385	4,982
Critical Water Years (16%)	3,646	4,546	12,427	10,615	13,707	10,503	7,021	5,678	4,462	5,059	3,436	3,939

Table F.2.2-15-7c. Sacramento River Flow at Rio Vista, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	138	-4,687	-10,620	-11,796	2,296	-9,531	-19,457	-7,742	-4,634	10,916	7,431	5,003
20% Exceedance	491	-3,060	-17,489	-11,023	-14,226	-13,826	-19,250	-6,913	-84	10,829	7,928	4,265
30% Exceedance	1,646	-1,146	-9,859	-17,192	-16,038	-14,618	-15,211	-3,560	2,644	10,705	8,068	3,563
40% Exceedance	1,918	1,482	-6,600	-7,507	-10,564	-15,165	-12,071	-1,152	3,936	9,635	7,907	3,120
50% Exceedance	2,153	2,586	-5,594	-9,759	-9,341	-13,492	-8,796	-507	4,386	9,070	7,257	1,847
60% Exceedance	2,198	2,242	-2,137	-4,630	-8,661	-10,949	-6,245	1,454	5,196	7,993	6,276	2,008
70% Exceedance	2,382	1,859	208	-2,513	-7,928	-9,156	-4,004	1,809	5,489	7,434	4,506	1,775
80% Exceedance	2,614	2,428	450	-1,262	-3,626	-5,192	-3,005	3,324	5,265	6,095	3,623	1,661
90% Exceedance	3,006	2,996	1,781	-429	-1,703	-3,420	-513	4,598	4,648	5,357	3,248	1,722
Full Simulation Period Average[a]	1,701	-145	-5,385	-6,513	-6,952	-9,727	-9,002	-1,425	2,794	8,475	6,104	2,830
Wet Water Years (28%)	2,723	969	-2,606	-8,045	-3,077	-7,093	-13,640	-6,040	-401	9,079	7,375	4,302
Above Normal Water Years (14%)	2,156	94	-6,409	-12,250	-10,115	-14,255	-12,624	-2,891	2,601	12,140	8,771	5,327
Below Normal Water Years (18%)	1,517	-498	-7,263	-7,813	-8,790	-12,469	-10,398	698	3,837	10,121	7,576	1,492
Dry Water Years (24%)	-88	-2,181	-6,030	-3,861	-10,171	-11,540	-6,321	991	5,260	7,444	4,526	1,461
Critical Water Years (16%)	2,419	1,215	-6,263	-1,330	-4,072	-4,569	-168	1,920	3,678	3,905	2,255	1,628

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-8a. Sacramento River Flow at Rio Vista, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,303	20,477	77,782	104,102	121,974	92,592	60,564	32,580	13,325	2,169	2,873	7,585
20% Exceedance	7,383	12,925	58,695	78,003	89,330	71,802	49,005	25,703	7,925	1,623	1,922	6,589
30% Exceedance	5,785	10,075	32,757	52,315	70,217	55,610	36,037	17,237	4,741	1,166	1,575	6,223
40% Exceedance	4,803	6,853	23,576	35,167	55,202	43,761	28,389	12,079	3,296	956	1,314	5,623
50% Exceedance	3,838	5,462	19,208	32,236	38,896	35,122	21,044	9,788	2,549	812	1,106	4,375
60% Exceedance	3,109	4,791	13,308	21,454	29,957	28,978	16,574	7,316	1,564	662	926	3,345
70% Exceedance	2,434	3,853	9,215	14,458	24,522	24,902	12,793	6,242	950	506	696	3,182
80% Exceedance	1,624	2,489	7,172	10,839	18,184	17,244	11,231	3,997	573	286	609	2,688
90% Exceedance	838	1,504	4,868	8,463	11,997	11,928	7,597	1,678	65	113	398	2,244
Full Simulation Period Average[a]	5,153	9,889	30,866	45,419	57,776	46,943	29,463	14,419	4,625	1,120	1,360	4,845
Wet Water Years (28%)	6,191	12,287	31,532	90,542	107,664	80,450	54,114	26,812	9,969	1,786	2,105	7,166
Above Normal Water Years (14%)	5,714	10,582	28,660	60,011	72,219	62,085	33,063	16,701	5,130	741	1,474	5,558
Below Normal Water Years (18%)	4,701	9,119	37,232	31,418	34,206	34,925	24,288	11,037	3,351	785	941	4,696
Dry Water Years (24%)	6,386	11,335	34,301	17,081	35,490	29,281	17,333	8,274	1,612	794	860	3,521
Critical Water Years (16%)	1,227	3,331	18,690	11,945	17,779	15,072	7,189	3,758	784	1,153	1,181	2,311

Table F.2.2-15-8b. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,394	16,179	67,242	92,434	124,270	82,704	41,217	24,854	8,423	13,321	10,420	12,689
20% Exceedance	7,950	9,965	41,247	67,348	76,037	57,989	31,272	18,787	7,624	12,446	9,926	10,952
30% Exceedance	7,363	8,977	22,923	35,178	54,329	41,219	22,503	13,727	7,327	11,822	9,534	9,699
40% Exceedance	6,781	8,335	16,984	27,664	44,542	28,539	17,514	11,814	7,026	10,658	9,226	9,054
50% Exceedance	6,048	8,050	13,745	22,815	29,154	21,817	13,880	10,374	6,868	9,953	8,294	6,379
60% Exceedance	5,189	7,023	11,202	16,840	21,281	17,975	11,550	9,167	6,695	8,848	7,158	5,632
70% Exceedance	4,660	5,609	9,459	11,940	16,600	15,761	10,040	8,547	6,167	7,769	5,212	4,963
80% Exceedance	4,245	4,962	7,636	9,578	14,569	11,949	8,654	7,830	5,815	6,283	4,335	4,425
90% Exceedance	3,955	4,500	6,537	8,017	10,588	8,674	7,839	6,700	4,564	5,332	3,506	4,076
Full Simulation Period Average[a]	6,871	9,834	25,585	38,945	50,917	37,213	21,422	13,555	7,304	9,560	7,471	7,711
Wet Water Years (28%)	8,895	13,254	28,933	82,548	104,599	73,135	40,621	20,886	9,542	10,895	9,500	11,448
Above Normal Water Years (14%)	7,859	10,786	22,336	48,061	62,221	47,766	22,014	14,973	7,527	12,574	10,184	10,828
Below Normal Water Years (18%)	6,302	8,648	29,983	23,638	25,508	22,486	15,917	12,687	6,916	10,953	8,501	6,396
Dry Water Years (24%)	6,320	9,568	28,626	13,229	25,552	17,916	12,185	9,789	6,781	8,181	5,426	4,988
Critical Water Years (16%)	3,671	4,348	12,442	10,455	13,713	10,626	7,357	6,111	4,414	5,086	3,452	4,007

Table F.2.2-15-8c. Sacramento River Flow at Rio Vista, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	91	-4,298	-10,540	-11,668	2,296	-9,887	-19,347	-7,726	-4,902	11,152	7,547	5,104
20% Exceedance	568	-2,960	-17,448	-10,655	-13,293	-13,813	-17,734	-6,916	-300	10,823	8,004	4,363
30% Exceedance	1,578	-1,098	-9,834	-17,137	-15,888	-14,391	-13,534	-3,511	2,587	10,657	7,959	3,476
40% Exceedance	1,979	1,482	-6,592	-7,503	-10,660	-15,221	-10,875	-265	3,730	9,702	7,912	3,431
50% Exceedance	2,210	2,588	-5,462	-9,421	-9,742	-13,305	-7,163	586	4,319	9,142	7,188	2,004
60% Exceedance	2,080	2,231	-2,106	-4,614	-8,676	-11,003	-5,024	1,851	5,131	8,186	6,232	2,287
70% Exceedance	2,226	1,756	244	-2,517	-7,922	-9,142	-2,753	2,305	5,217	7,262	4,516	1,781
80% Exceedance	2,621	2,473	464	-1,261	-3,615	-5,295	-2,577	3,833	5,242	5,997	3,727	1,737
90% Exceedance	3,117	2,996	1,669	-447	-1,409	-3,254	241	5,022	4,498	5,219	3,108	1,831
Full Simulation Period Average[a]	1,718	-55	-5,280	-6,475	-6,860	-9,731	-8,040	-864	2,679	8,439	6,110	2,867
Wet Water Years (28%)	2,704	967	-2,599	-7,994	-3,065	-7,315	-13,493	-5,926	-427	9,109	7,395	4,283
Above Normal Water Years (14%)	2,145	204	-6,324	-11,950	-9,998	-14,319	-11,049	-1,728	2,396	11,833	8,711	5,270
Below Normal Water Years (18%)	1,601	-471	-7,250	-7,781	-8,699	-12,439	-8,371	1,650	3,565	10,168	7,560	1,700
Dry Water Years (24%)	-66	-1,767	-5,675	-3,852	-9,939	-11,365	-5,147	1,516	5,169	7,387	4,566	1,467
Critical Water Years (16%)	2,443	1,017	-6,248	-1,490	-4,066	-4,446	169	2,353	3,630	3,932	2,271	1,697

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-9a. Sacramento River Flow at Rio Vista, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,303	20,477	77,782	104,102	121,974	92,592	60,564	32,580	13,325	2,169	2,873	7,585
20% Exceedance	7,383	12,925	58,695	78,003	89,330	71,802	49,005	25,703	7,925	1,623	1,922	6,589
30% Exceedance	5,785	10,075	32,757	52,315	70,217	55,610	36,037	17,237	4,741	1,166	1,575	6,223
40% Exceedance	4,803	6,853	23,576	35,167	55,202	43,761	28,389	12,079	3,296	956	1,314	5,623
50% Exceedance	3,838	5,462	19,208	32,236	38,896	35,122	21,044	9,788	2,549	812	1,106	4,375
60% Exceedance	3,109	4,791	13,308	21,454	29,957	28,978	16,574	7,316	1,564	662	926	3,345
70% Exceedance	2,434	3,853	9,215	14,458	24,522	24,902	12,793	6,242	950	506	696	3,182
80% Exceedance	1,624	2,489	7,172	10,839	18,184	17,244	11,231	3,997	573	286	609	2,688
90% Exceedance	838	1,504	4,868	8,463	11,997	11,928	7,597	1,678	65	113	398	2,244
Full Simulation Period Average[a]	5,153	9,889	30,866	45,419	57,776	46,943	29,463	14,419	4,625	1,120	1,360	4,845
Wet Water Years (28%)	6,191	12,287	31,532	90,542	107,664	80,450	54,114	26,812	9,969	1,786	2,105	7,166
Above Normal Water Years (14%)	5,714	10,582	28,660	60,011	72,219	62,085	33,063	16,701	5,130	741	1,474	5,558
Below Normal Water Years (18%)	4,701	9,119	37,232	31,418	34,206	34,925	24,288	11,037	3,351	785	941	4,696
Dry Water Years (24%)	6,386	11,335	34,301	17,081	35,490	29,281	17,333	8,274	1,612	794	860	3,521
Critical Water Years (16%)	1,227	3,331	18,690	11,945	17,779	15,072	7,189	3,758	784	1,153	1,181	2,311

Table F.2.2-15-9b. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,394	15,805	67,512	93,330	124,364	83,363	41,140	24,868	9,114	13,047	10,535	12,586
20% Exceedance	8,016	9,992	41,081	67,476	77,735	57,941	29,814	18,790	7,900	12,329	9,938	11,063
30% Exceedance	7,545	9,108	23,245	35,127	54,316	41,112	20,750	13,834	7,395	11,849	9,507	9,540
40% Exceedance	6,715	8,245	16,991	27,954	44,721	28,580	16,533	11,145	7,253	10,671	9,137	8,585
50% Exceedance	5,767	7,705	14,464	22,620	29,664	21,649	12,390	9,547	6,947	10,076	8,523	6,280
60% Exceedance	5,201	6,988	11,237	16,837	21,293	18,406	10,510	8,810	6,803	9,063	6,652	5,701
70% Exceedance	4,855	5,933	9,633	12,329	16,600	15,712	8,918	8,270	6,448	7,929	4,950	5,029
80% Exceedance	4,213	4,801	7,807	9,892	14,639	11,729	8,185	7,393	5,825	6,102	3,987	4,396
90% Exceedance	3,900	4,500	6,897	8,750	10,399	8,276	6,054	5,585	4,325	3,531	3,254	4,052
Full Simulation Period Average[a]	6,877	9,720	25,648	39,216	50,955	37,229	20,256	13,081	7,348	9,277	7,341	7,654
Wet Water Years (28%)	8,920	13,143	29,084	82,929	104,714	73,384	40,478	20,849	9,584	10,845	9,483	11,390
Above Normal Water Years (14%)	8,034	10,568	22,274	47,904	62,179	48,752	20,573	13,903	7,885	12,384	10,340	10,708
Below Normal Water Years (18%)	6,102	8,573	30,040	23,795	25,801	22,506	14,172	11,969	7,178	11,025	8,466	6,277
Dry Water Years (24%)	6,327	9,285	28,399	13,357	25,410	17,768	11,176	9,378	6,948	8,015	4,975	5,035
Critical Water Years (16%)	3,715	4,553	12,935	11,251	13,674	9,628	5,058	5,575	3,756	3,744	3,252	3,920

Table F.2.2-15-9c. Sacramento River Flow at Rio Vista, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	91	-4,672	-10,270	-10,773	2,390	-9,228	-19,425	-7,711	-4,212	10,878	7,662	5,001
20% Exceedance	634	-2,933	-17,614	-10,527	-11,595	-13,861	-19,191	-6,913	-25	10,706	8,016	4,474
30% Exceedance	1,760	-967	-9,512	-17,188	-15,901	-14,498	-15,287	-3,403	2,654	10,683	7,932	3,316
40% Exceedance	1,913	1,392	-6,584	-7,213	-10,481	-15,181	-11,856	-934	3,958	9,715	7,823	2,962
50% Exceedance	1,929	2,243	-4,744	-9,616	-9,232	-13,474	-8,654	-240	4,398	9,265	7,417	1,904
60% Exceedance	2,091	2,197	-2,071	-4,617	-8,664	-10,572	-6,064	1,494	5,239	8,402	5,726	2,356
70% Exceedance	2,421	2,080	418	-2,129	-7,922	-9,191	-3,875	2,028	5,498	7,423	4,254	1,847
80% Exceedance	2,589	2,312	635	-947	-3,546	-5,514	-3,046	3,396	5,252	5,816	3,378	1,708
90% Exceedance	3,061	2,996	2,030	287	-1,598	-3,652	-1,544	3,907	4,259	3,418	2,857	1,807
Full Simulation Period Average[a]	1,723	-169	-5,218	-6,204	-6,821	-9,715	-9,206	-1,338	2,723	8,157	5,980	2,809
Wet Water Years (28%)	2,730	856	-2,448	-7,613	-2,950	-7,066	-13,636	-5,963	-385	9,059	7,377	4,224
Above Normal Water Years (14%)	2,320	-14	-6,386	-12,108	-10,040	-13,333	-12,490	-2,799	2,755	11,643	8,866	5,150
Below Normal Water Years (18%)	1,401	-546	-7,192	-7,623	-8,406	-12,419	-10,116	932	3,827	10,240	7,526	1,580
Dry Water Years (24%)	-59	-2,050	-5,903	-3,724	-10,080	-11,513	-6,157	1,104	5,336	7,220	4,115	1,514
Critical Water Years (16%)	2,488	1,222	-5,755	-694	-4,105	-5,444	-2,131	1,817	2,972	2,590	2,071	1,609

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-15-10a. Sacramento River Flow at Rio Vista, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,303	20,477	77,782	104,102	121,974	92,592	60,564	32,580	13,325	2,169	2,873	7,585
20% Exceedance	7,383	12,925	58,695	78,003	89,330	71,802	49,005	25,703	7,925	1,623	1,922	6,589
30% Exceedance	5,785	10,075	32,757	52,315	70,217	55,610	36,037	17,237	4,741	1,166	1,575	6,223
40% Exceedance	4,803	6,853	23,576	35,167	55,202	43,761	28,389	12,079	3,296	956	1,314	5,623
50% Exceedance	3,838	5,462	19,208	32,236	38,896	35,122	21,044	9,788	2,549	812	1,106	4,375
60% Exceedance	3,109	4,791	13,308	21,454	29,957	28,978	16,574	7,316	1,564	662	926	3,345
70% Exceedance	2,434	3,853	9,215	14,458	24,522	24,902	12,793	6,242	950	506	696	3,182
80% Exceedance	1,624	2,489	7,172	10,839	18,184	17,244	11,231	3,997	573	286	609	2,688
90% Exceedance	838	1,504	4,868	8,463	11,997	11,928	7,597	1,678	65	113	398	2,244
Full Simulation Period Average[a]	5,153	9,889	30,866	45,419	57,776	46,943	29,463	14,419	4,625	1,120	1,360	4,845
Wet Water Years (28%)	6,191	12,287	31,532	90,542	107,664	80,450	54,114	26,812	9,969	1,786	2,105	7,166
Above Normal Water Years (14%)	5,714	10,582	28,660	60,011	72,219	62,085	33,063	16,701	5,130	741	1,474	5,558
Below Normal Water Years (18%)	4,701	9,119	37,232	31,418	34,206	34,925	24,288	11,037	3,351	785	941	4,696
Dry Water Years (24%)	6,386	11,335	34,301	17,081	35,490	29,281	17,333	8,274	1,612	794	860	3,521
Critical Water Years (16%)	1,227	3,331	18,690	11,945	17,779	15,072	7,189	3,758	784	1,153	1,181	2,311

Table F.2.2-15-10b. Sacramento River Flow at Rio Vista, NAA, 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

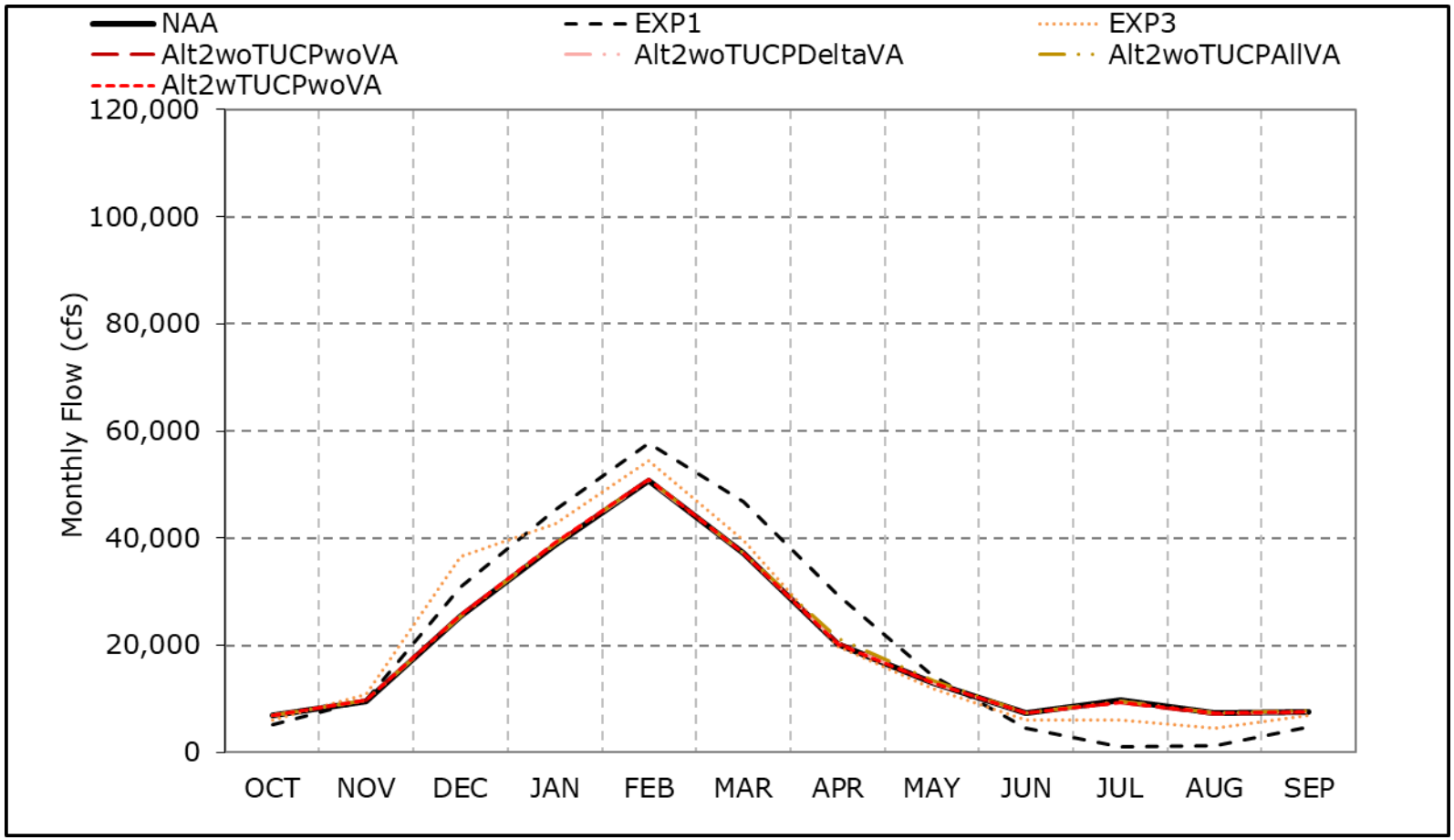
Table F.2.2-15-10c. Sacramento River Flow at Rio Vista, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	85	-4,698	-10,512	-11,143	2,402	-9,401	-19,426	-7,703	-4,208	11,485	7,688	4,535
20% Exceedance	435	-3,168	-17,602	-11,427	-11,797	-13,847	-19,260	-6,913	-14	11,270	8,166	4,758
30% Exceedance	1,551	-1,411	-9,943	-17,021	-15,849	-14,798	-15,375	-3,790	2,928	10,918	8,075	3,213
40% Exceedance	1,839	1,378	-6,101	-7,487	-10,960	-15,218	-11,927	-1,013	4,100	10,006	7,896	2,992
50% Exceedance	2,169	2,069	-5,329	-9,928	-10,199	-13,543	-8,704	-284	4,654	9,103	7,429	1,825
60% Exceedance	2,086	2,275	-2,076	-4,365	-8,475	-10,602	-6,129	1,583	5,339	8,481	5,763	2,085
70% Exceedance	2,335	1,891	237	-3,093	-7,813	-9,196	-3,908	2,026	5,594	7,650	4,572	1,812
80% Exceedance	2,625	2,349	677	-1,233	-3,517	-5,549	-3,302	3,460	5,128	6,530	3,616	1,710
90% Exceedance	2,951	2,969	1,971	-457	-1,343	-3,478	-2,053	3,321	3,719	3,459	3,175	1,747
Full Simulation Period Average[a]	1,696	-286	-5,441	-6,627	-7,034	-9,675	-9,297	-1,390	2,781	8,564	6,085	2,714
Wet Water Years (28%)	2,738	810	-2,398	-8,179	-3,225	-7,067	-13,635	-6,040	-503	9,322	7,533	4,217
Above Normal Water Years (14%)	2,081	-24	-6,435	-12,896	-10,139	-13,174	-12,468	-2,858	2,715	12,535	8,967	4,655
Below Normal Water Years (18%)	1,446	-895	-7,488	-7,676	-8,910	-12,596	-10,230	1,197	3,803	10,622	7,331	1,482
Dry Water Years (24%)	-9	-2,085	-6,457	-3,869	-10,424	-11,483	-6,256	990	5,712	7,719	4,364	1,525
Critical Water Years (16%)	2,394	1,013	-6,045	-1,384	-3,787	-5,179	-2,441	1,552	3,040	2,716	2,210	1,558

[a] Based on the 100-year simulation period.

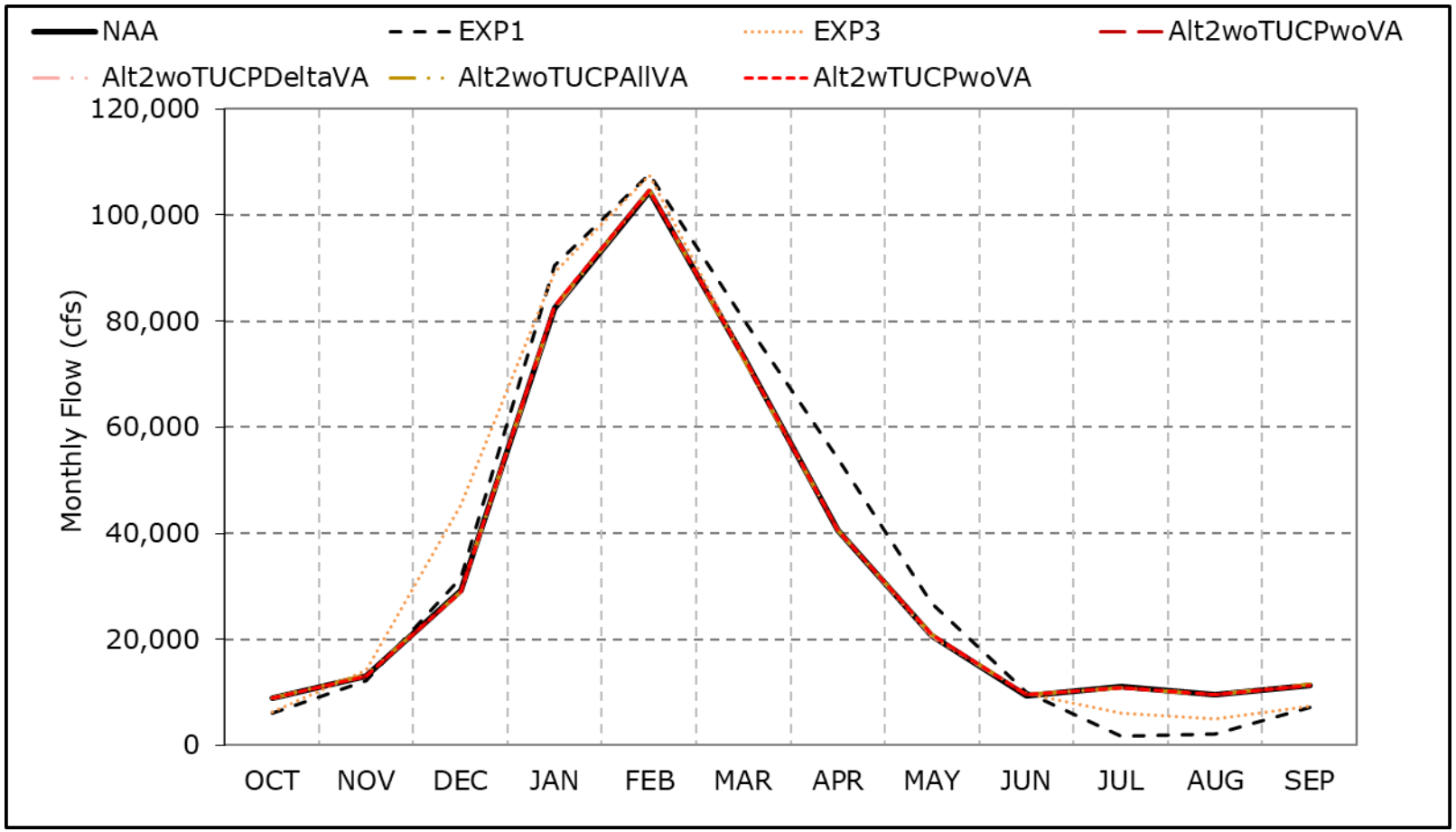
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-15-1. Sacramento River Flow at Rio Vista, Long-Term Average Flow



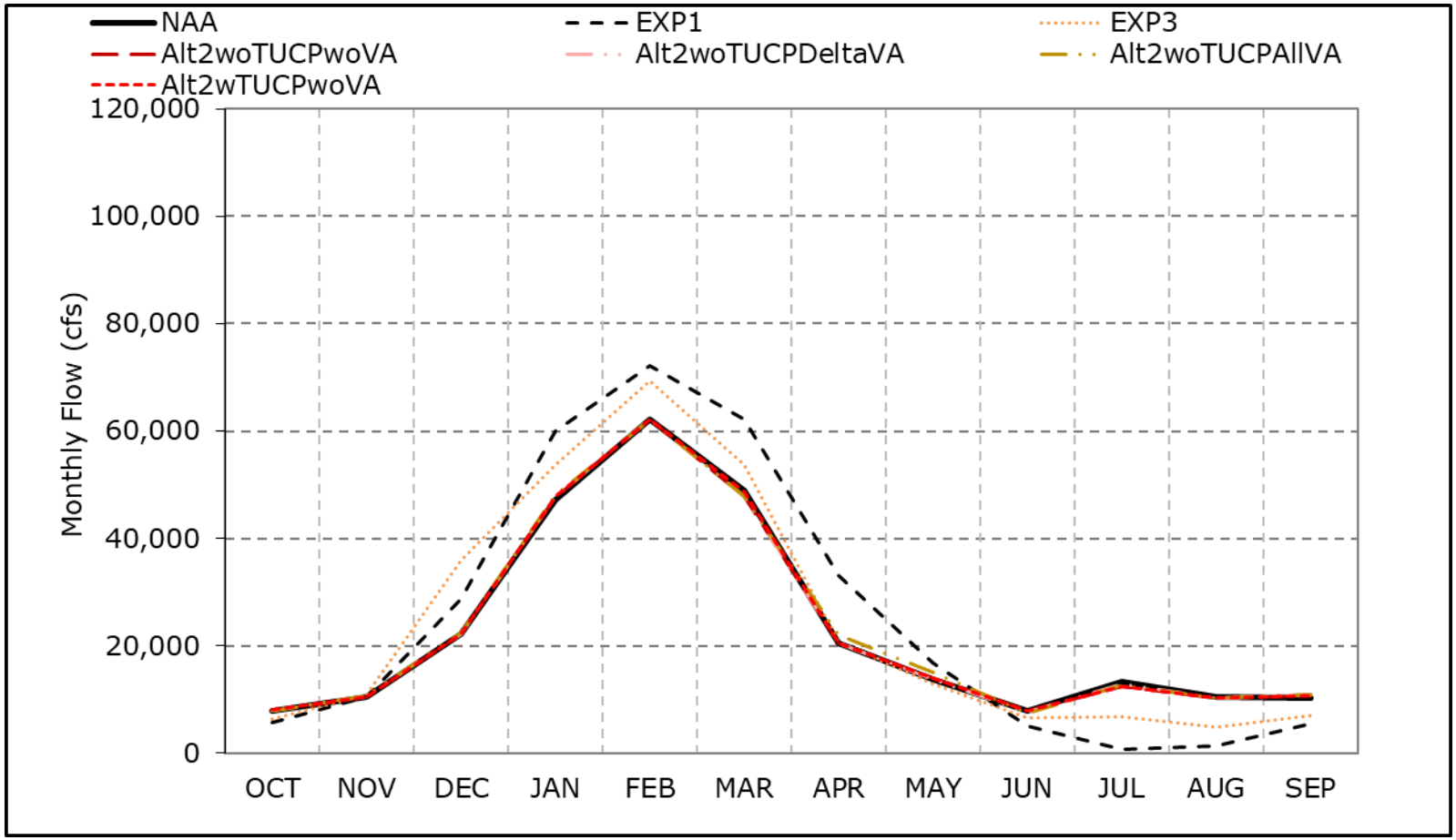
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-2. Sacramento River Flow at Rio Vista, Wet Year Average Flow



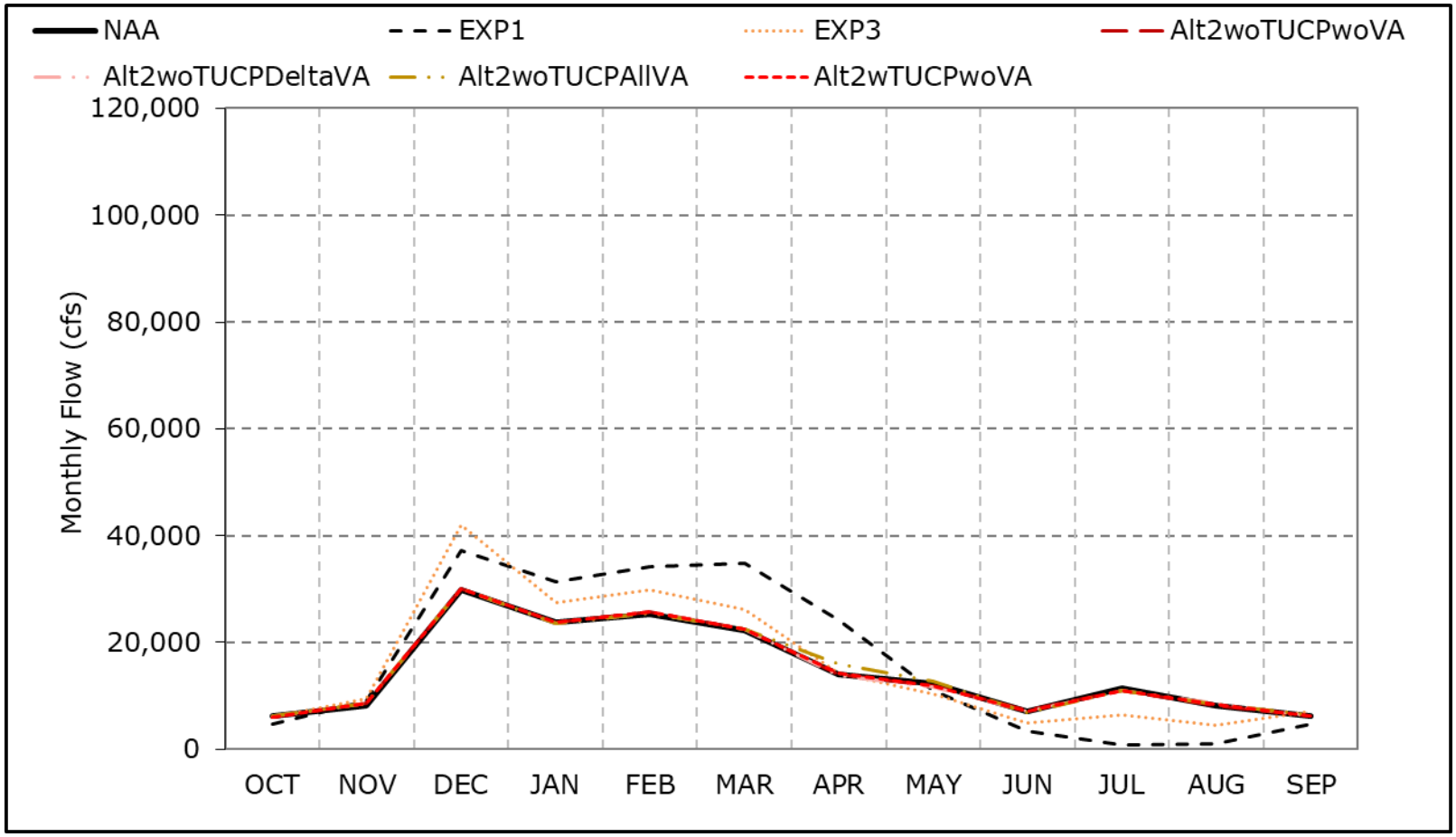
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-3. Sacramento River Flow at Rio Vista, Above Normal Year Average Flow



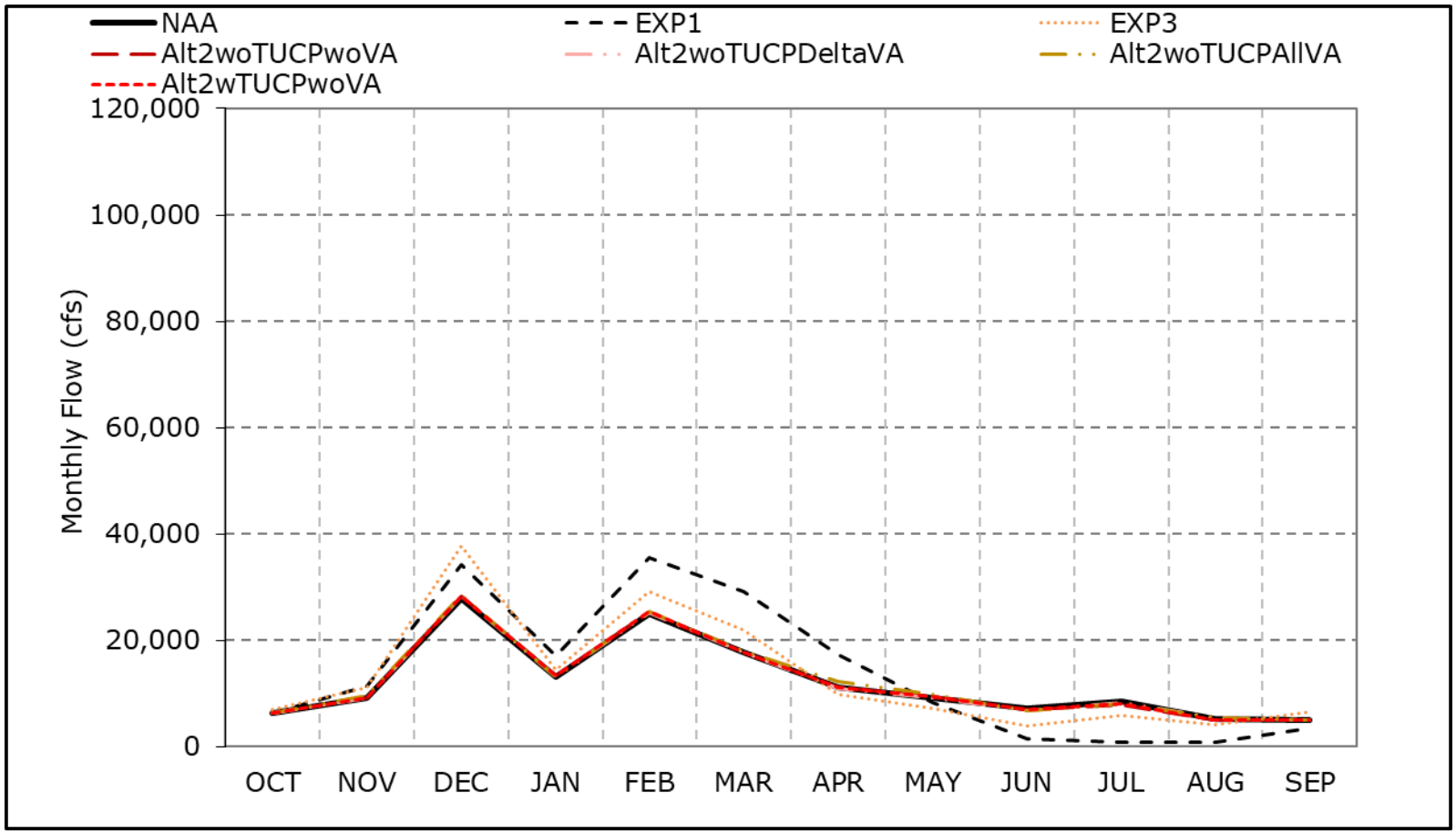
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-4. Sacramento River Flow at Rio Vista, Below Normal Year Average Flow



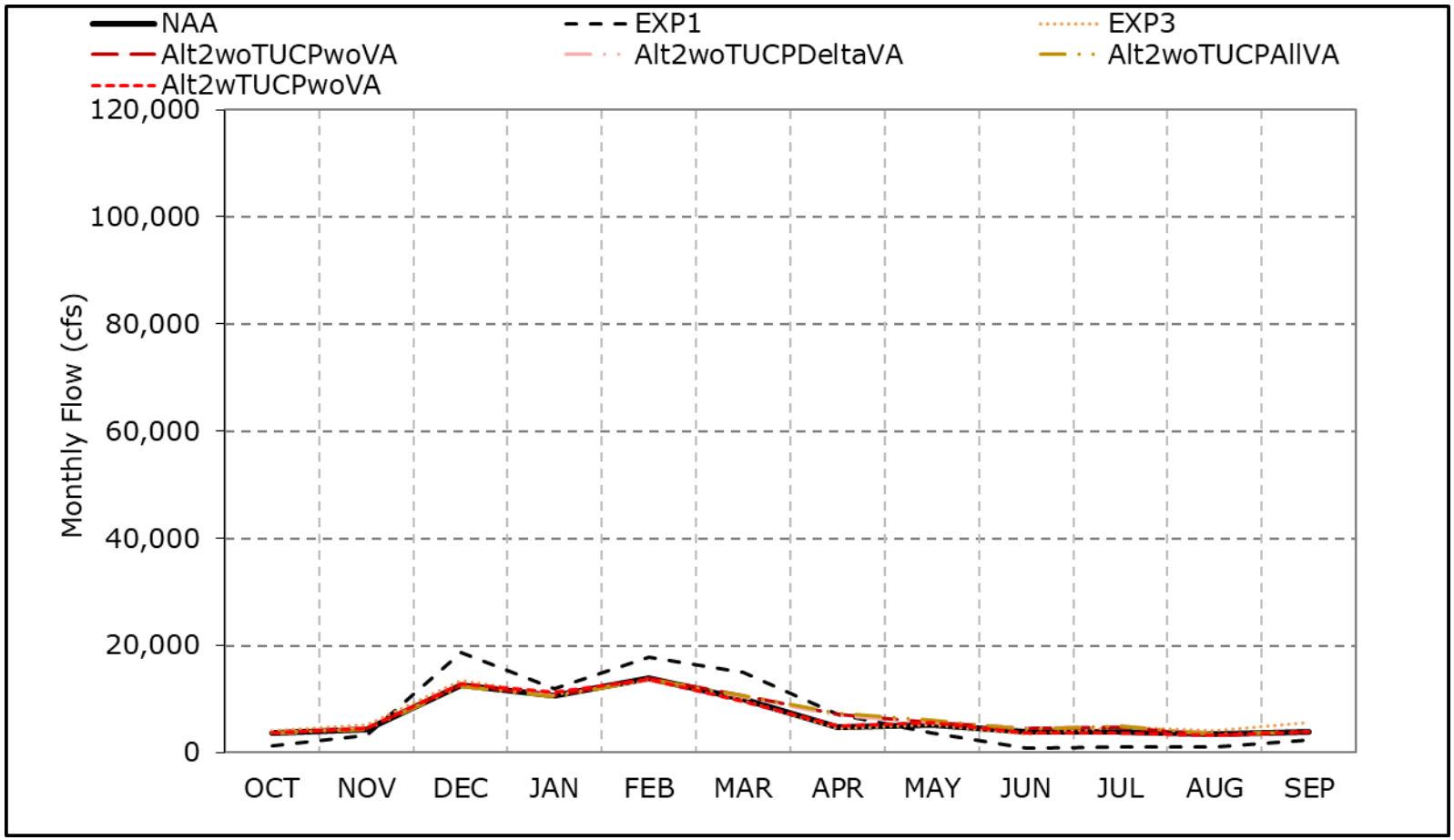
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-5. Sacramento River Flow at Rio Vista, Dry Year Average Flow



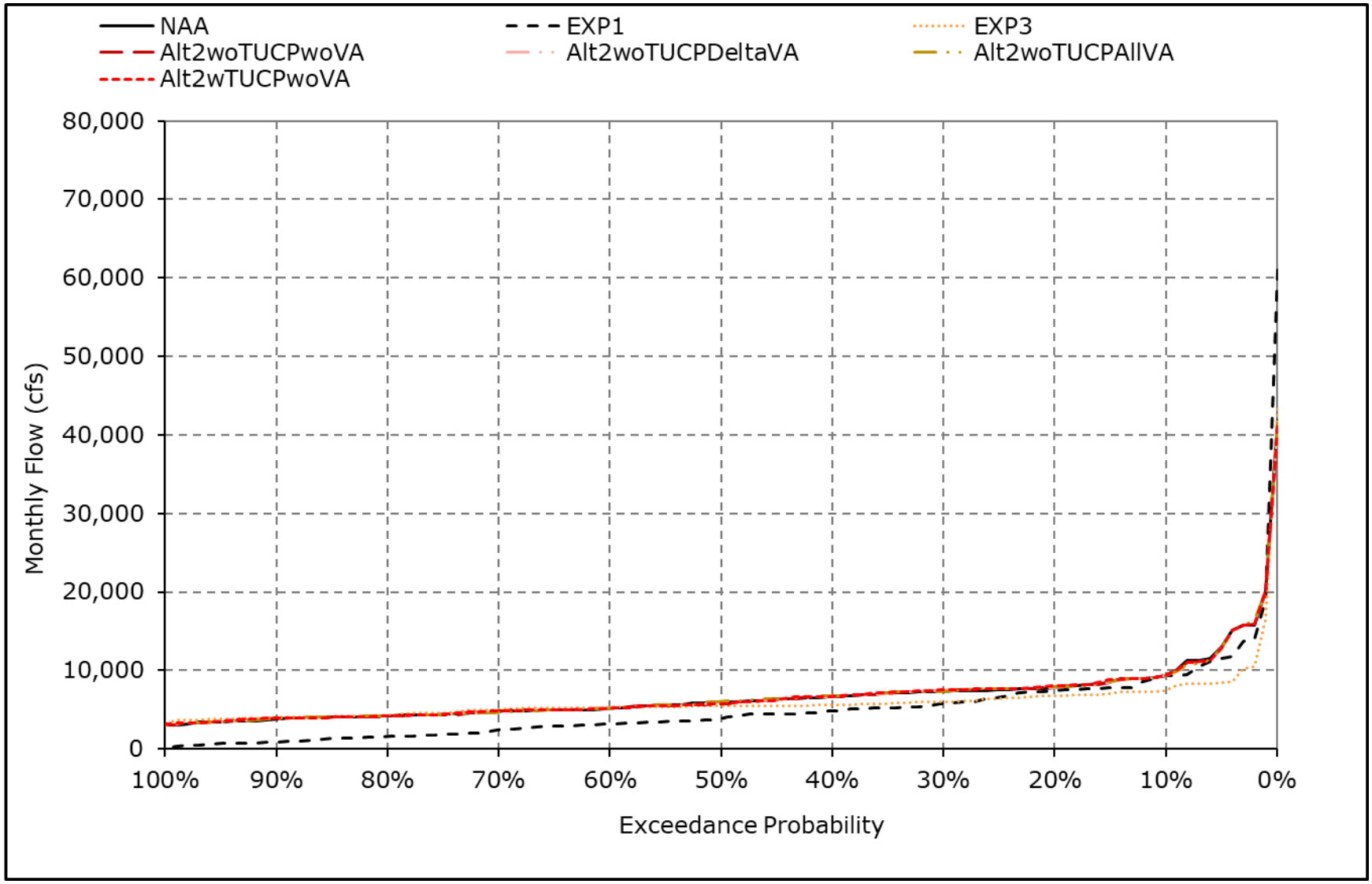
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-6. Sacramento River Flow at Rio Vista, Critical Year Average Flow



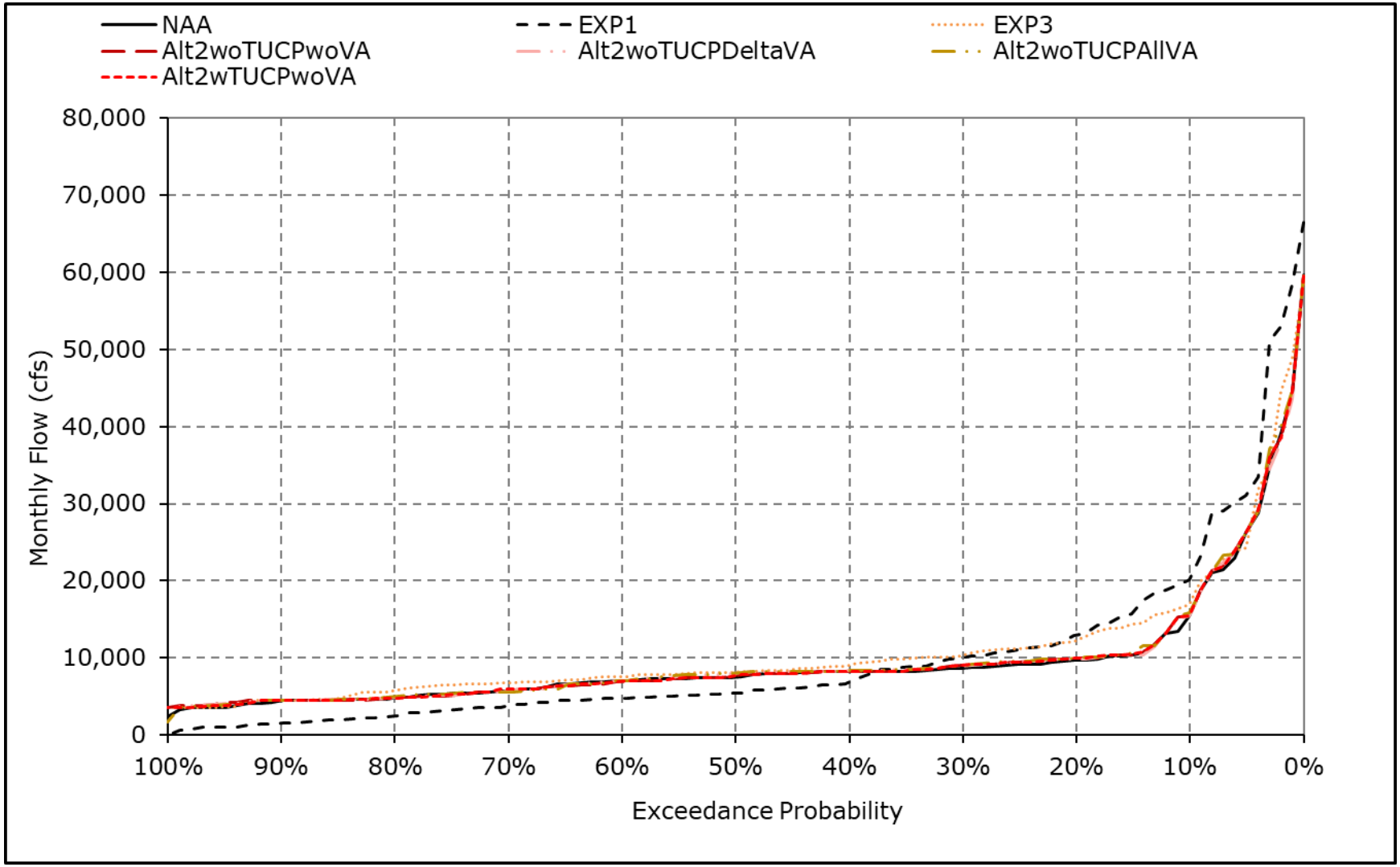
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-7. Sacramento River Flow at Rio Vista, October



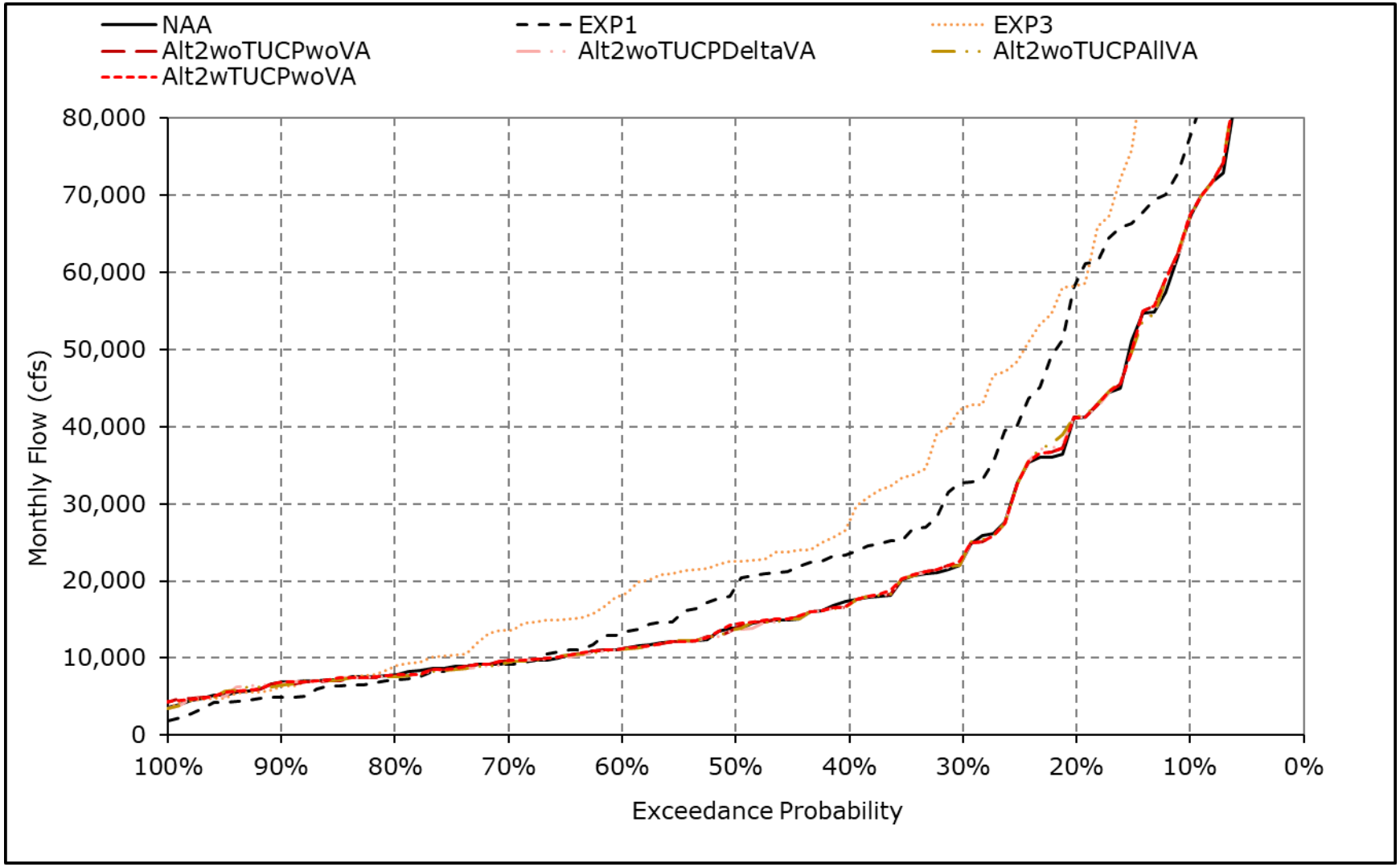
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-8. Sacramento River Flow at Rio Vista, November



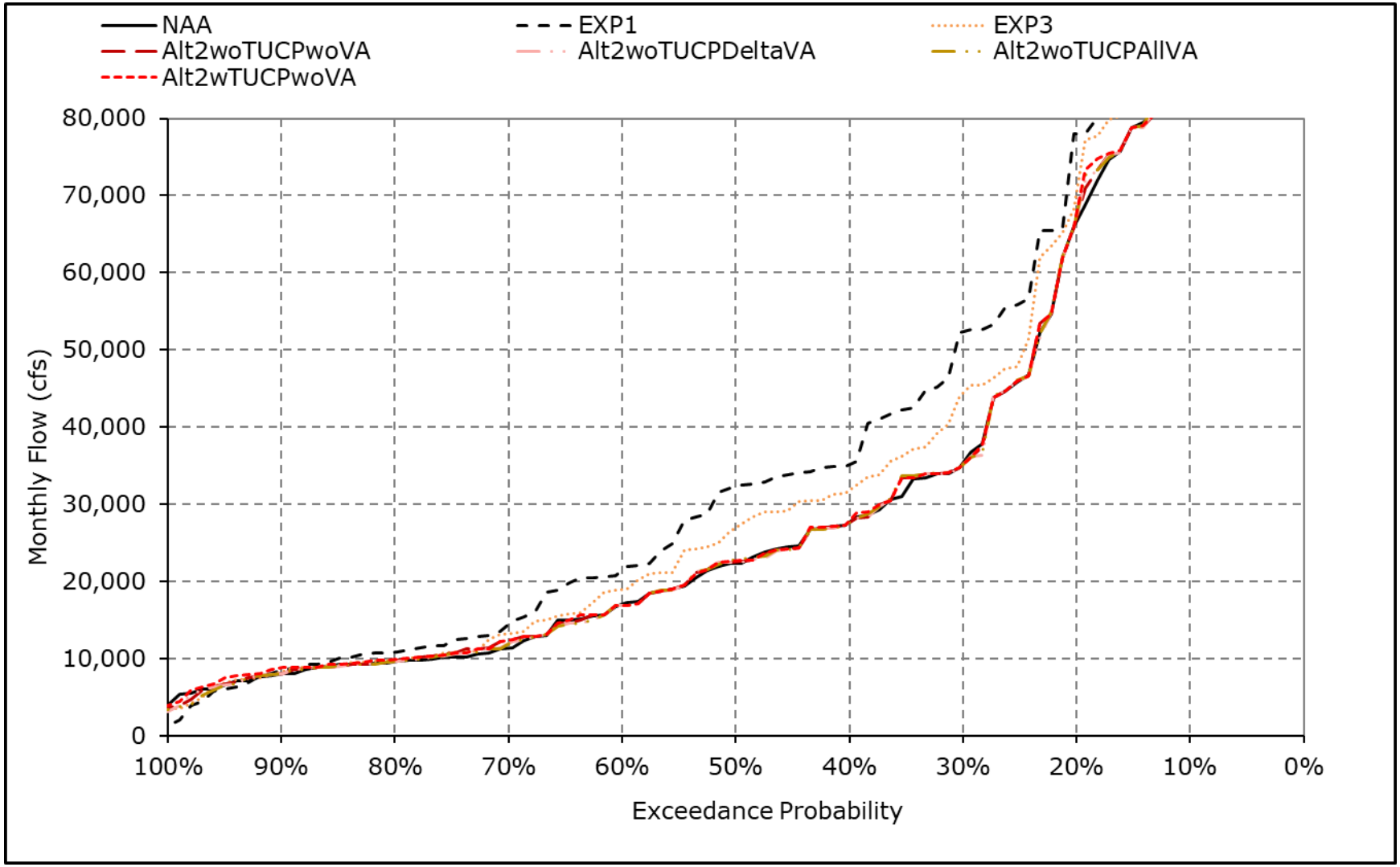
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-9. Sacramento River Flow at Rio Vista, December



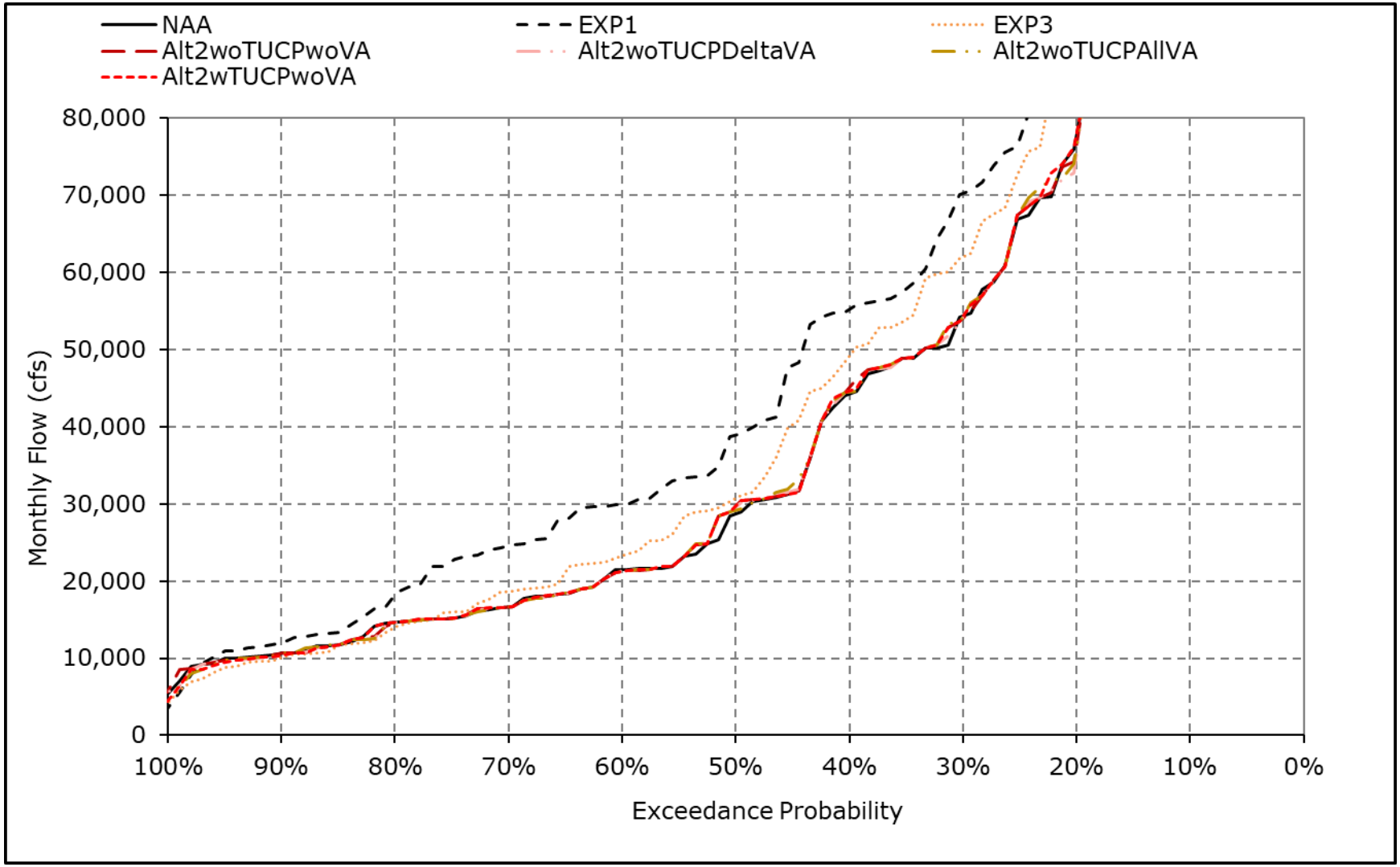
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-10. Sacramento River Flow at Rio Vista, January



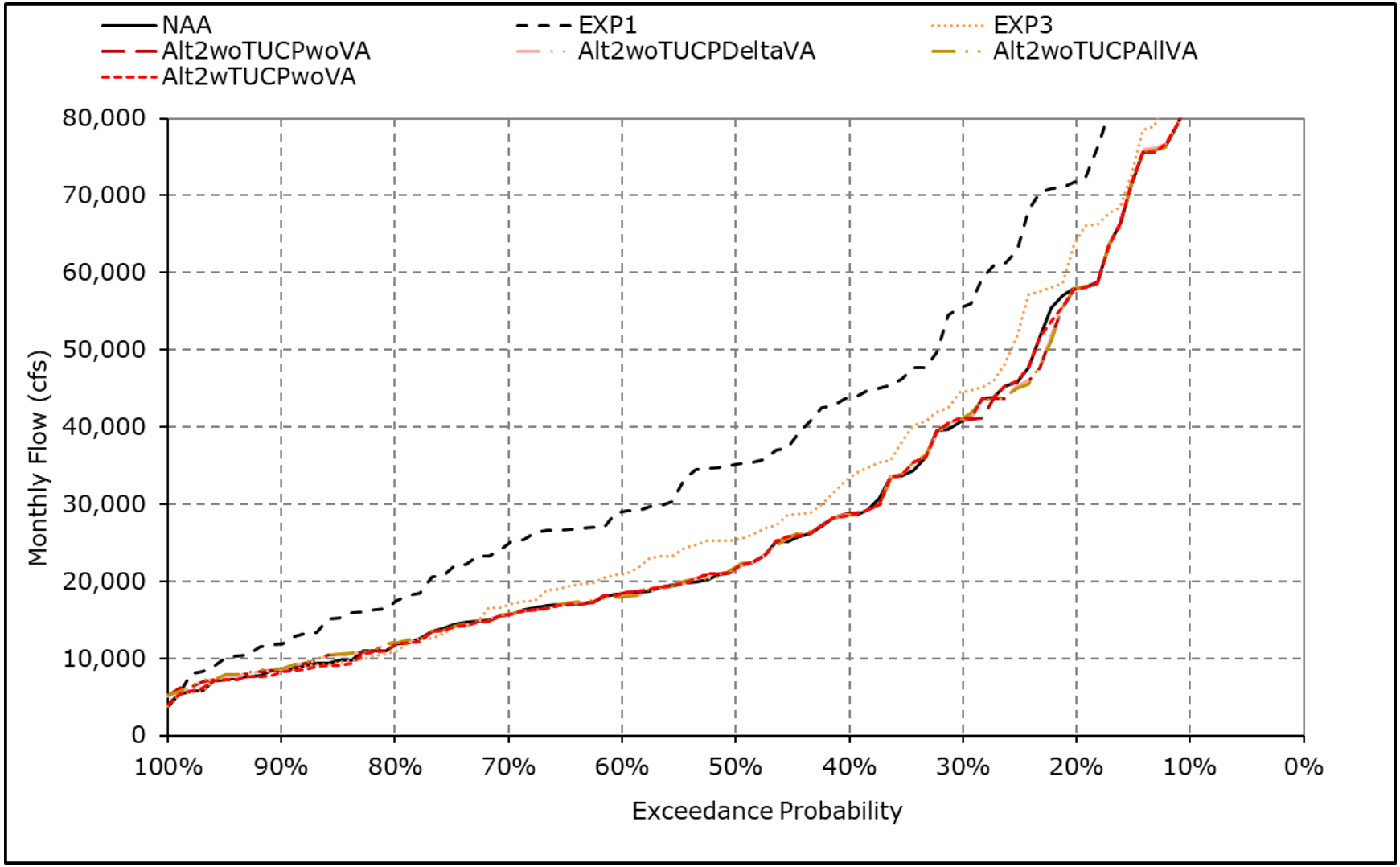
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-11. Sacramento River Flow at Rio Vista, February



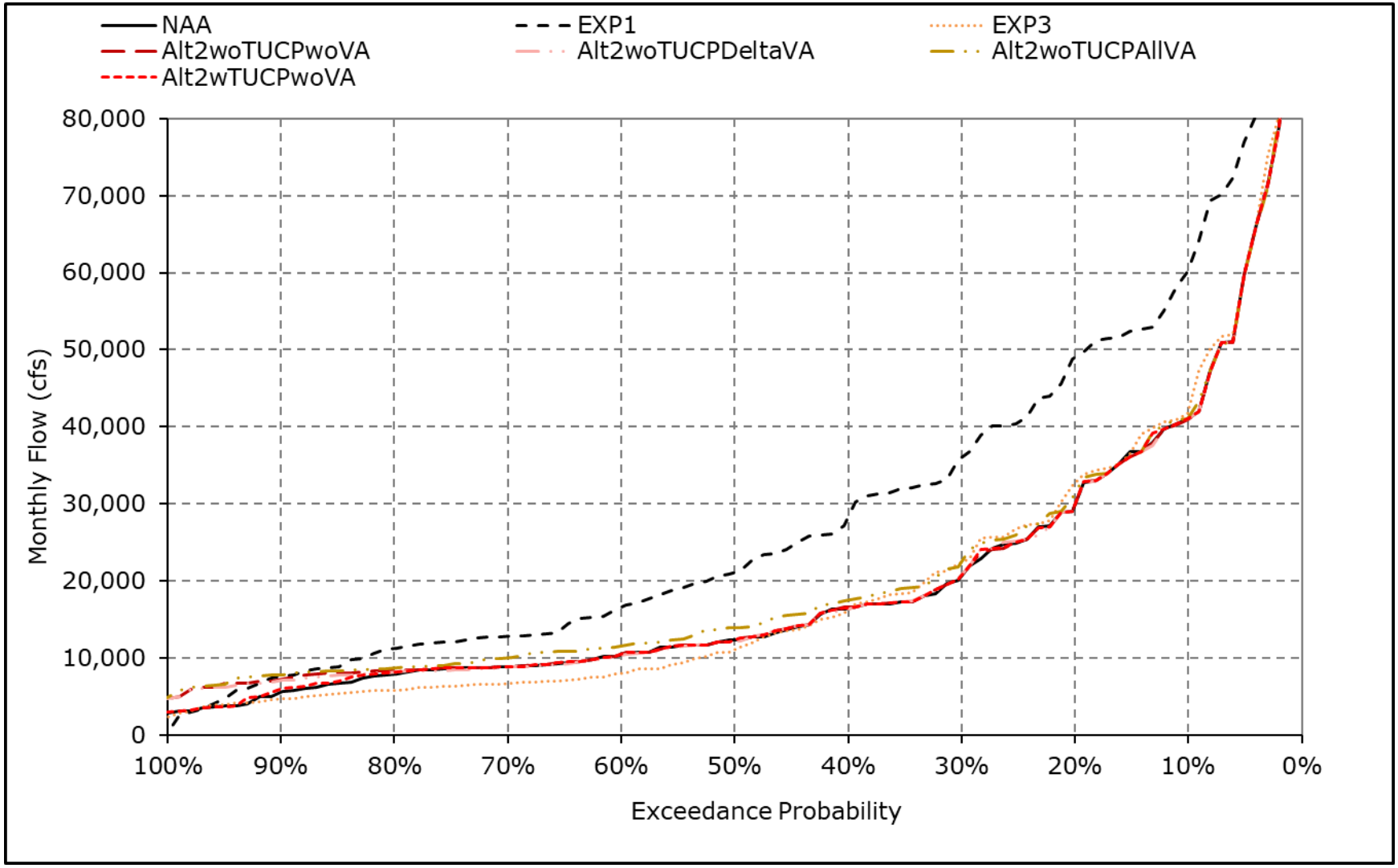
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-12. Sacramento River Flow at Rio Vista, March



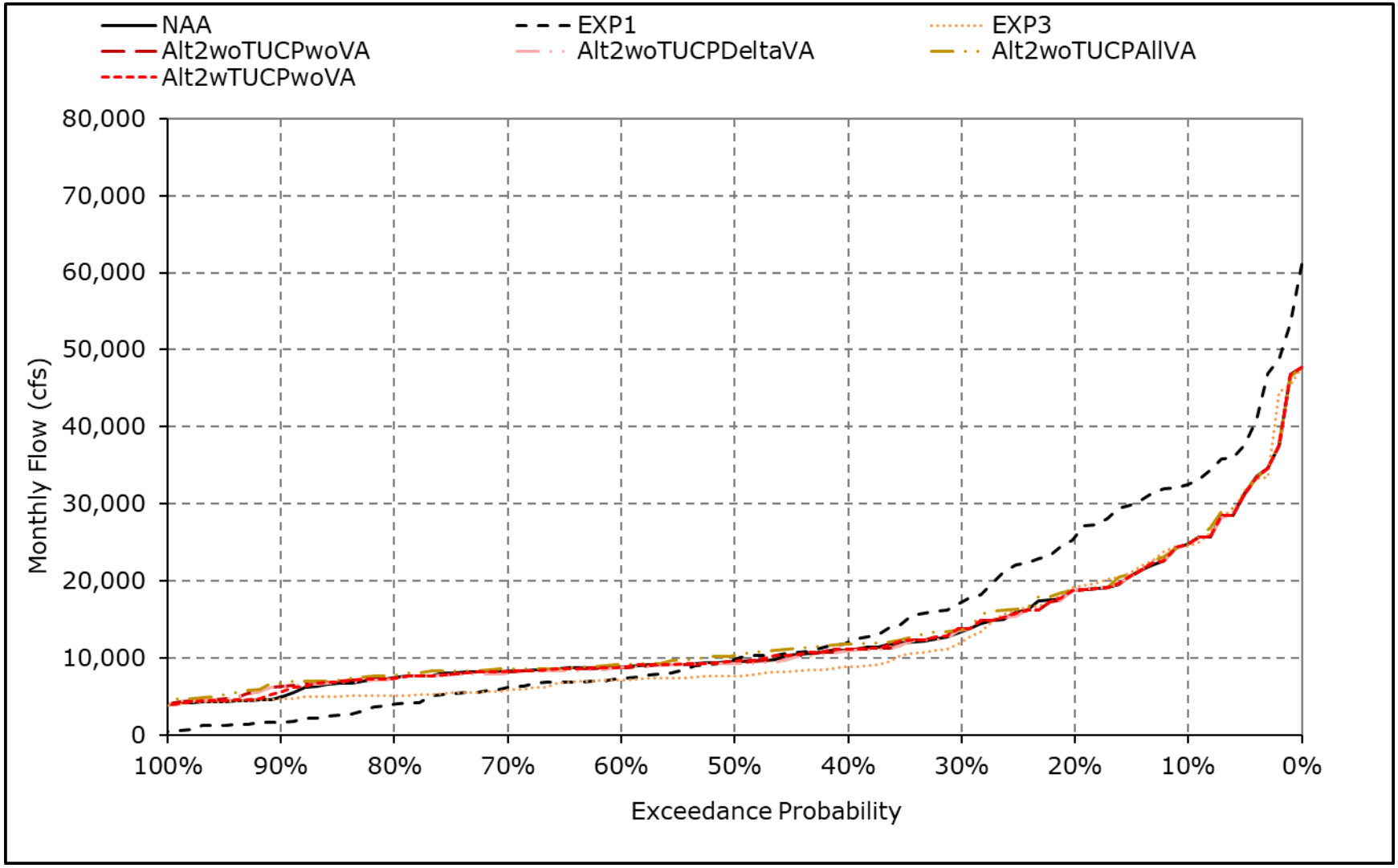
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-13. Sacramento River Flow at Rio Vista, April



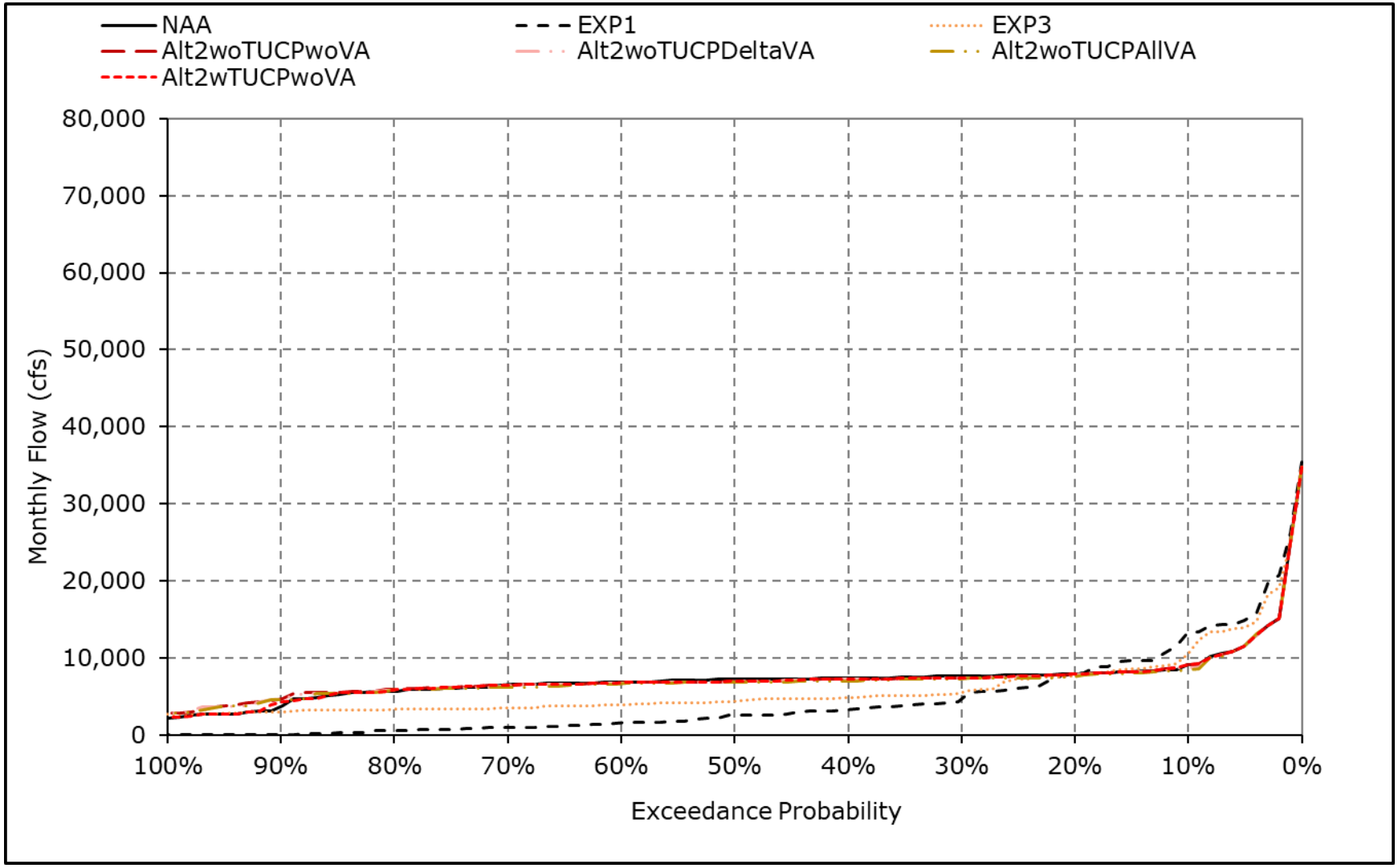
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-14. Sacramento River Flow at Rio Vista, May



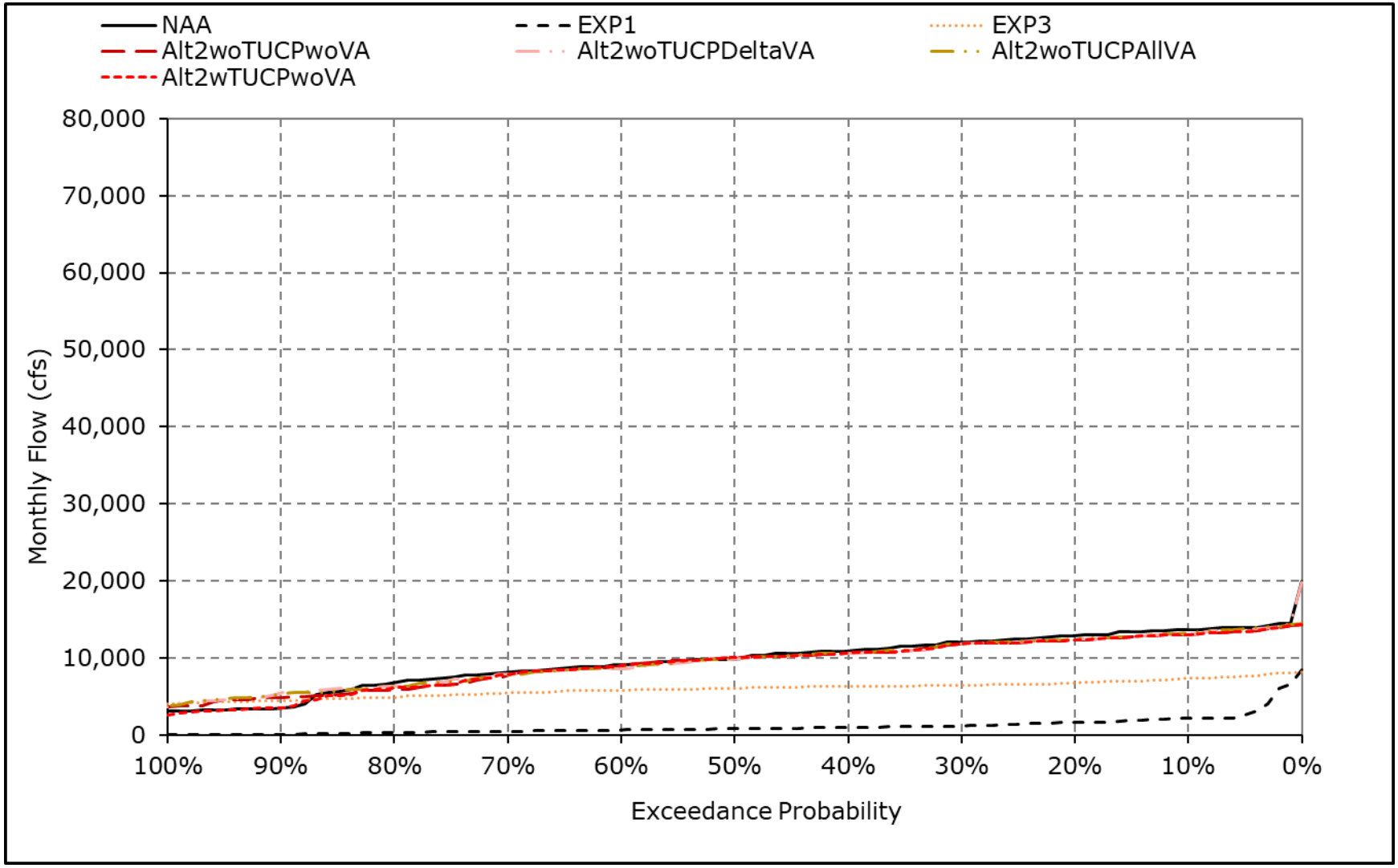
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-15. Sacramento River Flow at Rio Vista, June



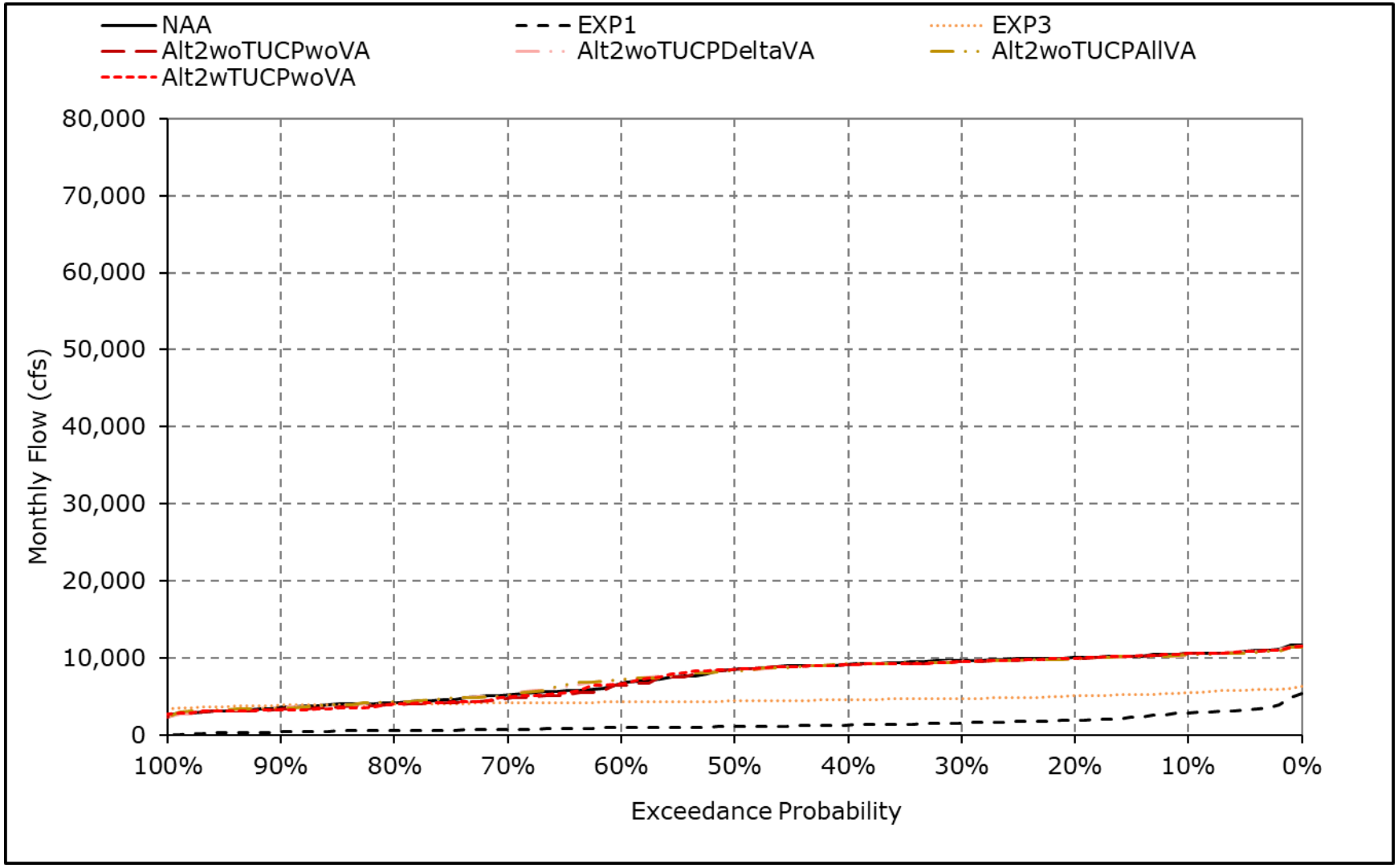
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-16. Sacramento River Flow at Rio Vista, July



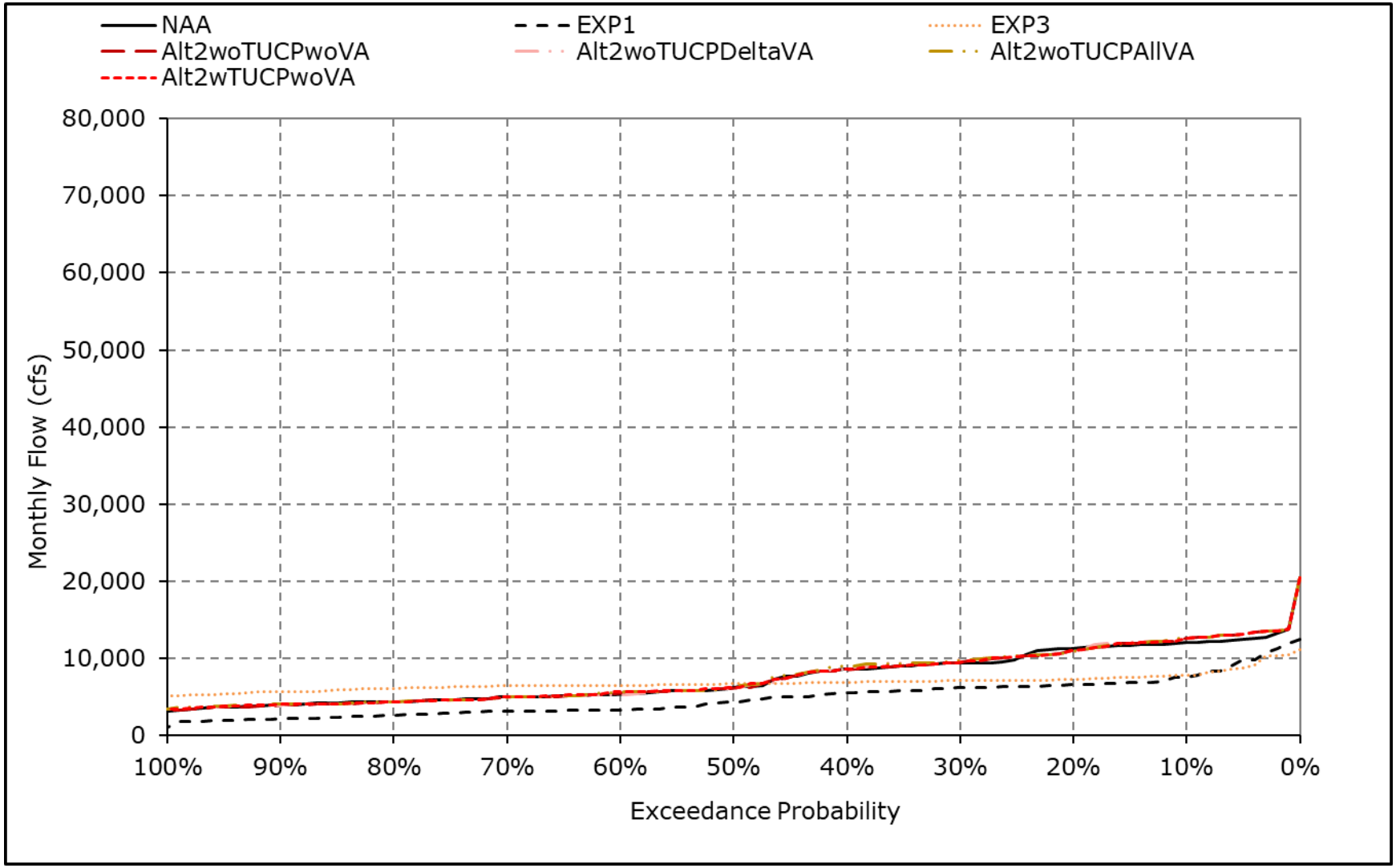
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-17. Sacramento River Flow at Rio Vista, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-15-18. Sacramento River Flow at Rio Vista, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-16-1a. San Joaquin River Flow at Gravelly Ford, NAA, 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

Table F.2.2-16-1b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,921	1,801	3,378	2,316	2,245	1,117	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	186	209	212	836	1,588	183	148	68	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	91
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	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	657	1,110	1,917	748	698	314	103	85
Wet Water Years (22%)	140	352	463	1,408	2,039	2,000	3,679	2,700	2,641	1,241	276	82
Above Normal Water Years (12%)	147	357	309	220	533	1,168	3,120	480	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-1c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-4	-1	0	-1	-1	0	0	0
20% Exceedance	0	0	0	1	0	0	0	0	0	0	0	1
30% Exceedance	0	0	0	0	0	-1	0	0	0	0	0	1
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
50% Exceedance	0	0	0	0	0	1	0	0	0	1	1	0
60% Exceedance	0	0	0	0	1	1	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	0	0
80% Exceedance	0	0	0	0	0	1	0	1	1	0	1	1
90% Exceedance	0	0	0	0	0	0	1	1	0	0	0	1
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	-1	0	0	-1	-1	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	1	0	0	0	0	0	0
Dry Water Years (17%)	0	0	0	0	0	0	0	0	0	0	0	1
Critical Water Years (34%)	0	0	0	0	1	0	0	0	0	0	0	1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-2a. San Joaquin River Flow at Gravelly Ford, NAA, 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

Table F.2.2-16-2b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,921	1,801	3,377	2,374	2,356	1,122	260	104
20% Exceedance	149	359	193	213	317	1,009	3,257	1,192	1,197	1,082	225	103
30% Exceedance	148	358	188	211	234	868	3,190	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	268	179	71	72	94
50% Exceedance	146	355	185	209	212	836	1,588	183	148	68	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	91
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	99	92	0	0	68
Full Simulation Period Average[a]	134	324	268	462	653	1,110	1,911	750	702	315	103	85
Wet Water Years (22%)	140	352	463	1,409	2,024	1,997	3,648	2,709	2,662	1,243	277	82
Above Normal Water Years (12%)	147	357	309	220	533	1,168	3,120	480	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	150	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	113	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-2c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-4	0	0	57	109	5	0	0
20% Exceedance	0	0	0	1	0	0	-7	0	0	0	0	1
30% Exceedance	0	0	0	0	-1	-1	-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	1	0	0	0	1	0	0
60% Exceedance	0	0	0	0	1	1	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	0	0
80% Exceedance	0	0	0	0	0	1	0	2	1	0	1	1
90% Exceedance	0	0	0	0	0	0	1	1	0	0	0	1
Full Simulation Period Average[a]	0	0	0	0	-3	-1	-7	2	4	0	0	0
Wet Water Years (22%)	0	0	0	0	-16	-4	-31	9	19	1	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	1	0	0	0	0	0	0
Dry Water Years (17%)	1	0	0	0	1	0	0	0	0	0	0	1
Critical Water Years (34%)	0	0	0	0	1	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-3a. San Joaquin River Flow at Gravelly Ford, NAA, 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

Table F.2.2-16-3b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	2,061	1,801	3,378	2,369	2,326	1,122	260	104
20% Exceedance	149	358	193	213	317	1,009	3,257	1,192	1,197	1,082	225	103
30% Exceedance	148	358	188	211	237	873	3,190	327	209	72	72	97
40% Exceedance	147	357	186	209	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	185	209	212	836	1,588	183	148	67	70	93
60% Exceedance	144	354	185	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	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	656	1,110	1,911	751	703	314	103	85
Wet Water Years (22%)	140	352	463	1,408	2,016	1,999	3,649	2,714	2,667	1,243	277	82
Above Normal Water Years (12%)	147	357	310	220	570	1,171	3,121	481	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	114	41	40	74

Table F.2.2-16-3c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA minus NAA, 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	52	79	5	0	0
20% Exceedance	0	0	0	1	0	1	-7	0	0	0	0	1
30% Exceedance	0	0	0	0	2	5	-33	0	-1	0	0	1
40% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
60% Exceedance	0	0	0	0	1	1	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	2	1	0	1	1
90% Exceedance	0	0	0	0	0	0	1	1	0	0	0	1
Full Simulation Period Average[a]	0	0	0	0	0	0	-6	3	5	0	0	0
Wet Water Years (22%)	0	0	0	0	-23	-2	-30	13	24	2	0	0
Above Normal Water Years (12%)	0	0	0	0	37	3	1	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	1	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-4a. San Joaquin River Flow at Gravelly Ford, NAA, 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

Table F.2.2-16-4b. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	154	361	216	250	1,921	1,801	3,378	2,316	2,246	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	186	209	212	836	1,588	183	148	69	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	834	839	120	124	58	63	87
80% Exceedance	138	313	183	205	208	832	264	115	122	54	56	74
90% Exceedance	115	312	155	186	201	827	155	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	657	1,110	1,917	748	698	314	103	85
Wet Water Years (22%)	140	352	462	1,408	2,039	2,000	3,679	2,700	2,641	1,241	276	82
Above Normal Water Years (12%)	147	357	309	220	534	1,168	3,120	481	218	60	63	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	133	65	67	98
Critical Water Years (34%)	113	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-4c. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA minus NAA, 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	-1	-1	0	0	0
20% Exceedance	0	0	0	1	0	0	0	0	0	0	0	1
30% Exceedance	0	0	0	0	0	-1	0	0	0	0	0	2
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	1	0	0
60% Exceedance	0	0	0	0	1	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	1	0	0	0	1	0	0	0
80% Exceedance	0	0	0	0	0	0	0	1	1	0	0	1
90% Exceedance	0	0	0	0	0	0	1	1	0	0	0	1
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	-1	0	0	-1	-1	0	0	0
Above Normal Water Years (12%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (15%)	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-5a. San Joaquin River Flow at Gravelly Ford, NAA, 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

Table F.2.2-16-5b. San Joaquin River Flow at Gravelly Ford, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,298	1,424	1,009	2,665	5,293	4,479	5,340	5,547	5,842	3,569	2,669	2,313
20% Exceedance	2,096	1,302	808	1,595	4,038	4,083	4,155	4,883	4,316	2,731	2,455	2,166
30% Exceedance	1,924	1,144	756	1,393	2,875	2,740	3,150	2,973	2,744	2,724	2,385	2,069
40% Exceedance	1,744	959	714	1,302	1,884	2,479	2,636	2,576	2,714	2,698	2,293	1,972
50% Exceedance	940	747	583	1,132	1,577	1,510	2,396	2,304	2,547	2,576	1,915	1,640
60% Exceedance	739	598	509	934	1,395	1,381	2,107	2,129	2,420	1,804	1,388	1,342
70% Exceedance	603	411	430	782	1,189	1,250	1,853	1,895	1,593	1,256	1,283	1,227
80% Exceedance	446	334	342	498	956	1,099	1,630	1,466	1,151	1,048	1,207	967
90% Exceedance	359	253	207	388	602	830	1,218	887	648	867	1,056	770
Full Simulation Period Average[a]	1,288	849	749	1,428	2,441	2,300	2,892	2,890	2,905	2,291	1,862	1,642
Wet Water Years (22%)	2,407	1,525	1,111	2,501	5,689	4,800	5,564	5,785	6,132	3,988	2,658	2,413
Above Normal Water Years (12%)	1,853	1,108	792	1,887	2,919	2,757	3,056	3,652	3,062	2,666	2,395	2,170
Below Normal Water Years (15%)	1,497	942	671	1,500	2,086	2,271	2,749	2,653	2,699	2,598	2,250	1,962
Dry Water Years (17%)	704	655	893	992	1,274	1,319	2,020	2,081	2,212	1,821	1,544	1,262
Critical Water Years (34%)	525	354	452	758	911	1,024	1,605	1,257	1,197	1,159	1,147	1,007

Table F.2.2-16-5c. San Joaquin River Flow at Gravelly Ford, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,145	1,063	793	2,415	3,368	2,678	1,963	3,230	3,596	2,452	2,409	2,209
20% Exceedance	1,948	944	615	1,383	3,721	3,074	890	3,692	3,119	1,650	2,229	2,063
30% Exceedance	1,776	787	568	1,183	2,640	1,871	-73	2,645	2,534	2,652	2,314	1,972
40% Exceedance	1,597	602	528	1,093	1,670	1,642	-208	2,308	2,535	2,626	2,221	1,878
50% Exceedance	794	391	397	923	1,366	674	808	2,121	2,399	2,509	1,845	1,547
60% Exceedance	596	243	325	726	1,184	546	876	1,995	2,289	1,742	1,321	1,251
70% Exceedance	461	58	246	575	979	417	1,014	1,775	1,470	1,198	1,220	1,140
80% Exceedance	308	21	160	292	749	268	1,367	1,352	1,029	994	1,151	894
90% Exceedance	244	-59	52	203	401	3	1,064	790	555	866	1,056	703
Full Simulation Period Average[a]	1,154	526	482	967	1,785	1,190	975	2,142	2,207	1,977	1,759	1,558
Wet Water Years (22%)	2,267	1,173	649	1,092	3,650	2,799	1,885	3,084	3,489	2,747	2,382	2,331
Above Normal Water Years (12%)	1,706	751	482	1,667	2,386	1,589	-64	3,171	2,844	2,606	2,331	2,078
Below Normal Water Years (15%)	1,351	585	473	1,316	1,784	1,396	156	2,382	2,505	2,539	2,185	1,871
Dry Water Years (17%)	555	305	704	807	1,087	478	764	1,932	2,080	1,756	1,477	1,164
Critical Water Years (34%)	413	92	259	563	714	272	1,220	1,168	1,083	1,119	1,106	933

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-6a. San Joaquin River Flow at Gravelly Ford, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,181	1,570	1,976	3,798	5,129	4,623	5,360	7,920	8,148	3,603	2,243	1,805
20% Exceedance	1,045	943	1,193	2,881	3,757	3,857	4,549	5,829	5,724	2,855	1,893	1,477
30% Exceedance	970	801	973	2,091	2,867	3,180	4,087	4,344	3,310	1,878	1,631	1,377
40% Exceedance	919	714	764	1,437	2,412	2,476	3,508	3,699	2,516	1,670	1,497	1,311
50% Exceedance	814	632	676	1,044	1,653	2,150	2,774	2,441	1,714	1,378	1,382	1,268
60% Exceedance	695	509	569	923	1,309	1,781	2,278	1,759	1,481	1,211	1,328	1,231
70% Exceedance	578	396	460	687	1,089	1,460	2,055	1,437	1,106	1,080	1,278	1,175
80% Exceedance	439	336	357	491	745	1,153	1,673	1,103	873	957	1,209	967
90% Exceedance	359	254	208	395	509	730	1,083	664	521	831	1,057	771
Full Simulation Period Average[a]	812	770	1,021	1,778	2,391	2,517	3,210	3,521	3,227	1,930	1,556	1,338
Wet Water Years (22%)	1,253	1,062	1,140	3,986	4,602	4,691	5,591	7,904	8,270	4,135	2,394	1,967
Above Normal Water Years (12%)	940	1,029	1,545	2,318	3,415	3,403	3,963	4,244	3,415	1,729	1,530	1,273
Below Normal Water Years (15%)	967	1,034	1,045	1,808	3,120	2,537	3,649	3,548	2,766	1,704	1,515	1,331
Dry Water Years (17%)	692	787	1,235	873	1,282	1,721	2,434	2,132	1,580	1,266	1,359	1,191
Critical Water Years (34%)	460	344	614	597	832	1,186	1,598	1,112	923	1,006	1,140	1,032

Table F.2.2-16-6b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,921	1,801	3,378	2,316	2,245	1,117	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	186	209	212	836	1,588	183	148	68	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	91
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	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	657	1,110	1,917	748	698	314	103	85
Wet Water Years (22%)	140	352	463	1,408	2,039	2,000	3,679	2,700	2,641	1,241	276	82
Above Normal Water Years (12%)	147	357	309	220	533	1,168	3,120	480	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-6c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,027	-1,209	-1,760	-3,547	-3,208	-2,823	-1,983	-5,604	-5,903	-2,486	-1,984	-1,701
20% Exceedance	-896	-585	-1,001	-2,668	-3,440	-2,848	-1,284	-4,637	-4,527	-1,773	-1,668	-1,372
30% Exceedance	-822	-444	-786	-1,880	-2,632	-2,313	-864	-4,017	-3,101	-1,807	-1,560	-1,280
40% Exceedance	-772	-357	-578	-1,227	-2,198	-1,638	-663	-3,431	-2,337	-1,599	-1,425	-1,217
50% Exceedance	-668	-276	-490	-834	-1,441	-1,314	-1,187	-2,259	-1,566	-1,310	-1,311	-1,175
60% Exceedance	-552	-154	-385	-715	-1,098	-947	-1,046	-1,625	-1,350	-1,149	-1,261	-1,141
70% Exceedance	-436	-43	-276	-481	-879	-627	-1,215	-1,317	-981	-1,021	-1,214	-1,088
80% Exceedance	-302	-22	-174	-285	-537	-321	-1,409	-988	-751	-903	-1,152	-893
90% Exceedance	-244	58	-53	-210	-309	97	-929	-565	-429	-830	-1,057	-703
Full Simulation Period Average[a]	-678	-446	-753	-1,316	-1,735	-1,406	-1,293	-2,773	-2,529	-1,616	-1,453	-1,254
Wet Water Years (22%)	-1,113	-709	-677	-2,578	-2,563	-2,690	-1,913	-5,205	-5,629	-2,894	-2,118	-1,885
Above Normal Water Years (12%)	-793	-672	-1,236	-2,098	-2,882	-2,235	-842	-3,763	-3,197	-1,669	-1,467	-1,182
Below Normal Water Years (15%)	-821	-678	-847	-1,623	-2,818	-1,661	-1,056	-3,277	-2,573	-1,645	-1,450	-1,240
Dry Water Years (17%)	-543	-437	-1,046	-688	-1,095	-880	-1,179	-1,983	-1,447	-1,201	-1,292	-1,093
Critical Water Years (34%)	-347	-81	-421	-402	-635	-434	-1,213	-1,022	-809	-966	-1,100	-958

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-7a. San Joaquin River Flow at Gravelly Ford, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,181	1,570	1,976	3,798	5,129	4,623	5,360	7,920	8,148	3,603	2,243	1,805
20% Exceedance	1,045	943	1,193	2,881	3,757	3,857	4,549	5,829	5,724	2,855	1,893	1,477
30% Exceedance	970	801	973	2,091	2,867	3,180	4,087	4,344	3,310	1,878	1,631	1,377
40% Exceedance	919	714	764	1,437	2,412	2,476	3,508	3,699	2,516	1,670	1,497	1,311
50% Exceedance	814	632	676	1,044	1,653	2,150	2,774	2,441	1,714	1,378	1,382	1,268
60% Exceedance	695	509	569	923	1,309	1,781	2,278	1,759	1,481	1,211	1,328	1,231
70% Exceedance	578	396	460	687	1,089	1,460	2,055	1,437	1,106	1,080	1,278	1,175
80% Exceedance	439	336	357	491	745	1,153	1,673	1,103	873	957	1,209	967
90% Exceedance	359	254	208	395	509	730	1,083	664	521	831	1,057	771
Full Simulation Period Average[a]	812	770	1,021	1,778	2,391	2,517	3,210	3,521	3,227	1,930	1,556	1,338
Wet Water Years (22%)	1,253	1,062	1,140	3,986	4,602	4,691	5,591	7,904	8,270	4,135	2,394	1,967
Above Normal Water Years (12%)	940	1,029	1,545	2,318	3,415	3,403	3,963	4,244	3,415	1,729	1,530	1,273
Below Normal Water Years (15%)	967	1,034	1,045	1,808	3,120	2,537	3,649	3,548	2,766	1,704	1,515	1,331
Dry Water Years (17%)	692	787	1,235	873	1,282	1,721	2,434	2,132	1,580	1,266	1,359	1,191
Critical Water Years (34%)	460	344	614	597	832	1,186	1,598	1,112	923	1,006	1,140	1,032

Table F.2.2-16-7b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	1,921	1,801	3,377	2,374	2,356	1,122	260	104
20% Exceedance	149	359	193	213	317	1,009	3,257	1,192	1,197	1,082	225	103
30% Exceedance	148	358	188	211	234	868	3,190	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	268	179	71	72	94
50% Exceedance	146	355	185	209	212	836	1,588	183	148	68	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	91
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	99	92	0	0	68
Full Simulation Period Average[a]	134	324	268	462	653	1,110	1,911	750	702	315	103	85
Wet Water Years (22%)	140	352	463	1,409	2,024	1,997	3,648	2,709	2,662	1,243	277	82
Above Normal Water Years (12%)	147	357	309	220	533	1,168	3,120	480	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	150	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	113	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-7c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,027	-1,209	-1,760	-3,547	-3,208	-2,822	-1,983	-5,546	-5,792	-2,481	-1,984	-1,701
20% Exceedance	-896	-585	-1,001	-2,668	-3,440	-2,848	-1,292	-4,637	-4,527	-1,773	-1,668	-1,373
30% Exceedance	-822	-444	-786	-1,880	-2,633	-2,313	-897	-4,017	-3,100	-1,807	-1,560	-1,280
40% Exceedance	-772	-357	-578	-1,227	-2,198	-1,638	-663	-3,431	-2,337	-1,599	-1,425	-1,217
50% Exceedance	-668	-276	-490	-834	-1,441	-1,314	-1,186	-2,259	-1,566	-1,310	-1,311	-1,174
60% Exceedance	-551	-154	-385	-715	-1,098	-946	-1,046	-1,625	-1,350	-1,148	-1,261	-1,141
70% Exceedance	-436	-43	-276	-481	-879	-627	-1,215	-1,317	-981	-1,021	-1,214	-1,088
80% Exceedance	-302	-22	-175	-285	-537	-321	-1,409	-988	-751	-903	-1,152	-893
90% Exceedance	-244	58	-53	-210	-309	97	-928	-565	-429	-830	-1,057	-703
Full Simulation Period Average[a]	-678	-446	-753	-1,316	-1,738	-1,407	-1,300	-2,771	-2,524	-1,616	-1,453	-1,254
Wet Water Years (22%)	-1,112	-709	-677	-2,577	-2,578	-2,694	-1,944	-5,195	-5,608	-2,892	-2,117	-1,885
Above Normal Water Years (12%)	-793	-672	-1,236	-2,098	-2,881	-2,235	-842	-3,763	-3,197	-1,669	-1,466	-1,181
Below Normal Water Years (15%)	-821	-678	-847	-1,623	-2,818	-1,661	-1,056	-3,277	-2,573	-1,645	-1,450	-1,240
Dry Water Years (17%)	-542	-437	-1,046	-688	-1,095	-880	-1,179	-1,983	-1,447	-1,201	-1,292	-1,093
Critical Water Years (34%)	-347	-81	-421	-402	-635	-434	-1,213	-1,022	-809	-966	-1,100	-958

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-8a. San Joaquin River Flow at Gravelly Ford, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,181	1,570	1,976	3,798	5,129	4,623	5,360	7,920	8,148	3,603	2,243	1,805
20% Exceedance	1,045	943	1,193	2,881	3,757	3,857	4,549	5,829	5,724	2,855	1,893	1,477
30% Exceedance	970	801	973	2,091	2,867	3,180	4,087	4,344	3,310	1,878	1,631	1,377
40% Exceedance	919	714	764	1,437	2,412	2,476	3,508	3,699	2,516	1,670	1,497	1,311
50% Exceedance	814	632	676	1,044	1,653	2,150	2,774	2,441	1,714	1,378	1,382	1,268
60% Exceedance	695	509	569	923	1,309	1,781	2,278	1,759	1,481	1,211	1,328	1,231
70% Exceedance	578	396	460	687	1,089	1,460	2,055	1,437	1,106	1,080	1,278	1,175
80% Exceedance	439	336	357	491	745	1,153	1,673	1,103	873	957	1,209	967
90% Exceedance	359	254	208	395	509	730	1,083	664	521	831	1,057	771
Full Simulation Period Average[a]	812	770	1,021	1,778	2,391	2,517	3,210	3,521	3,227	1,930	1,556	1,338
Wet Water Years (22%)	1,253	1,062	1,140	3,986	4,602	4,691	5,591	7,904	8,270	4,135	2,394	1,967
Above Normal Water Years (12%)	940	1,029	1,545	2,318	3,415	3,403	3,963	4,244	3,415	1,729	1,530	1,273
Below Normal Water Years (15%)	967	1,034	1,045	1,808	3,120	2,537	3,649	3,548	2,766	1,704	1,515	1,331
Dry Water Years (17%)	692	787	1,235	873	1,282	1,721	2,434	2,132	1,580	1,266	1,359	1,191
Critical Water Years (34%)	460	344	614	597	832	1,186	1,598	1,112	923	1,006	1,140	1,032

Table F.2.2-16-8b. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	153	361	216	250	2,061	1,801	3,378	2,369	2,326	1,122	260	104
20% Exceedance	149	358	193	213	317	1,009	3,257	1,192	1,197	1,082	225	103
30% Exceedance	148	358	188	211	237	873	3,190	327	209	72	72	97
40% Exceedance	147	357	186	209	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	185	209	212	836	1,588	183	148	67	70	93
60% Exceedance	144	354	185	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	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	656	1,110	1,911	751	703	314	103	85
Wet Water Years (22%)	140	352	463	1,408	2,016	1,999	3,649	2,714	2,667	1,243	277	82
Above Normal Water Years (12%)	147	357	310	220	570	1,171	3,121	481	218	61	64	91
Below Normal Water Years (15%)	146	356	198	184	302	876	2,593	271	194	59	65	91
Dry Water Years (17%)	149	350	189	185	187	841	1,256	149	133	65	67	98
Critical Water Years (34%)	112	263	193	195	197	752	386	90	114	41	40	74

Table F.2.2-16-8c. San Joaquin River Flow at Gravelly Ford, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,027	-1,209	-1,760	-3,547	-3,068	-2,822	-1,983	-5,551	-5,822	-2,481	-1,984	-1,701
20% Exceedance	-896	-585	-1,001	-2,668	-3,440	-2,847	-1,292	-4,637	-4,527	-1,773	-1,668	-1,373
30% Exceedance	-822	-444	-786	-1,880	-2,630	-2,307	-897	-4,017	-3,101	-1,807	-1,560	-1,280
40% Exceedance	-772	-357	-578	-1,227	-2,198	-1,638	-663	-3,431	-2,337	-1,599	-1,425	-1,217
50% Exceedance	-668	-276	-490	-835	-1,441	-1,314	-1,187	-2,259	-1,566	-1,311	-1,311	-1,175
60% Exceedance	-552	-154	-385	-715	-1,098	-947	-1,046	-1,625	-1,350	-1,149	-1,261	-1,141
70% Exceedance	-436	-43	-276	-481	-879	-627	-1,215	-1,317	-982	-1,021	-1,214	-1,088
80% Exceedance	-302	-22	-175	-285	-537	-321	-1,409	-988	-751	-903	-1,152	-893
90% Exceedance	-244	58	-53	-210	-309	96	-929	-565	-429	-830	-1,057	-703
Full Simulation Period Average[a]	-678	-446	-753	-1,316	-1,735	-1,406	-1,299	-2,770	-2,523	-1,616	-1,453	-1,254
Wet Water Years (22%)	-1,113	-710	-677	-2,577	-2,586	-2,692	-1,943	-5,191	-5,603	-2,892	-2,117	-1,885
Above Normal Water Years (12%)	-793	-672	-1,236	-2,098	-2,844	-2,232	-842	-3,763	-3,197	-1,669	-1,466	-1,182
Below Normal Water Years (15%)	-821	-678	-847	-1,623	-2,818	-1,661	-1,056	-3,277	-2,573	-1,646	-1,450	-1,240
Dry Water Years (17%)	-543	-437	-1,046	-688	-1,095	-880	-1,179	-1,983	-1,448	-1,201	-1,292	-1,093
Critical Water Years (34%)	-348	-81	-421	-402	-635	-434	-1,213	-1,022	-809	-966	-1,100	-958

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-9a. San Joaquin River Flow at Gravelly Ford, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,181	1,570	1,976	3,798	5,129	4,623	5,360	7,920	8,148	3,603	2,243	1,805
20% Exceedance	1,045	943	1,193	2,881	3,757	3,857	4,549	5,829	5,724	2,855	1,893	1,477
30% Exceedance	970	801	973	2,091	2,867	3,180	4,087	4,344	3,310	1,878	1,631	1,377
40% Exceedance	919	714	764	1,437	2,412	2,476	3,508	3,699	2,516	1,670	1,497	1,311
50% Exceedance	814	632	676	1,044	1,653	2,150	2,774	2,441	1,714	1,378	1,382	1,268
60% Exceedance	695	509	569	923	1,309	1,781	2,278	1,759	1,481	1,211	1,328	1,231
70% Exceedance	578	396	460	687	1,089	1,460	2,055	1,437	1,106	1,080	1,278	1,175
80% Exceedance	439	336	357	491	745	1,153	1,673	1,103	873	957	1,209	967
90% Exceedance	359	254	208	395	509	730	1,083	664	521	831	1,057	771
Full Simulation Period Average[a]	812	770	1,021	1,778	2,391	2,517	3,210	3,521	3,227	1,930	1,556	1,338
Wet Water Years (22%)	1,253	1,062	1,140	3,986	4,602	4,691	5,591	7,904	8,270	4,135	2,394	1,967
Above Normal Water Years (12%)	940	1,029	1,545	2,318	3,415	3,403	3,963	4,244	3,415	1,729	1,530	1,273
Below Normal Water Years (15%)	967	1,034	1,045	1,808	3,120	2,537	3,649	3,548	2,766	1,704	1,515	1,331
Dry Water Years (17%)	692	787	1,235	873	1,282	1,721	2,434	2,132	1,580	1,266	1,359	1,191
Critical Water Years (34%)	460	344	614	597	832	1,186	1,598	1,112	923	1,006	1,140	1,032

Table F.2.2-16-9b. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	154	361	216	250	1,921	1,801	3,378	2,316	2,246	1,116	260	104
20% Exceedance	149	358	193	213	317	1,009	3,265	1,192	1,197	1,082	225	104
30% Exceedance	148	358	188	211	235	868	3,223	327	210	72	72	98
40% Exceedance	147	357	186	210	214	838	2,844	269	179	71	72	94
50% Exceedance	146	355	186	209	212	836	1,588	183	148	69	71	93
60% Exceedance	144	354	185	208	211	835	1,231	134	131	62	67	90
70% Exceedance	142	353	184	207	210	834	839	120	124	58	63	87
80% Exceedance	138	313	183	205	208	832	264	115	122	54	56	74
90% Exceedance	115	312	155	186	201	827	155	99	92	0	0	67
Full Simulation Period Average[a]	134	324	268	462	657	1,110	1,917	748	698	314	103	85
Wet Water Years (22%)	140	352	462	1,408	2,039	2,000	3,679	2,700	2,641	1,241	276	82
Above Normal Water Years (12%)	147	357	309	220	534	1,168	3,120	481	218	60	63	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	133	65	67	98
Critical Water Years (34%)	113	263	193	195	197	752	386	90	115	41	40	74

Table F.2.2-16-9c. San Joaquin River Flow at Gravelly Ford, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,027	-1,209	-1,760	-3,547	-3,208	-2,823	-1,983	-5,604	-5,903	-2,486	-1,984	-1,701
20% Exceedance	-896	-585	-1,001	-2,668	-3,440	-2,848	-1,284	-4,637	-4,527	-1,773	-1,668	-1,373
30% Exceedance	-822	-444	-785	-1,880	-2,632	-2,312	-864	-4,017	-3,100	-1,807	-1,560	-1,279
40% Exceedance	-772	-357	-578	-1,227	-2,198	-1,638	-663	-3,431	-2,337	-1,599	-1,425	-1,217
50% Exceedance	-668	-276	-490	-835	-1,441	-1,314	-1,187	-2,259	-1,566	-1,309	-1,311	-1,175
60% Exceedance	-552	-154	-385	-715	-1,098	-947	-1,046	-1,625	-1,350	-1,149	-1,261	-1,141
70% Exceedance	-436	-43	-276	-481	-879	-627	-1,215	-1,317	-981	-1,021	-1,214	-1,088
80% Exceedance	-302	-22	-175	-285	-538	-321	-1,409	-988	-751	-903	-1,153	-893
90% Exceedance	-244	58	-53	-210	-308	97	-929	-565	-429	-830	-1,057	-703
Full Simulation Period Average[a]	-678	-446	-753	-1,316	-1,735	-1,406	-1,293	-2,773	-2,529	-1,616	-1,453	-1,254
Wet Water Years (22%)	-1,113	-710	-677	-2,578	-2,563	-2,690	-1,913	-5,205	-5,629	-2,894	-2,117	-1,885
Above Normal Water Years (12%)	-793	-672	-1,236	-2,098	-2,881	-2,235	-842	-3,763	-3,197	-1,669	-1,467	-1,182
Below Normal Water Years (15%)	-821	-678	-847	-1,623	-2,818	-1,661	-1,056	-3,277	-2,573	-1,645	-1,450	-1,240
Dry Water Years (17%)	-543	-437	-1,046	-688	-1,095	-880	-1,179	-1,983	-1,447	-1,201	-1,292	-1,093
Critical Water Years (34%)	-347	-81	-421	-402	-635	-434	-1,213	-1,022	-809	-966	-1,100	-958

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-16-10a. San Joaquin River Flow at Gravelly Ford, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,181	1,570	1,976	3,798	5,129	4,623	5,360	7,920	8,148	3,603	2,243	1,805
20% Exceedance	1,045	943	1,193	2,881	3,757	3,857	4,549	5,829	5,724	2,855	1,893	1,477
30% Exceedance	970	801	973	2,091	2,867	3,180	4,087	4,344	3,310	1,878	1,631	1,377
40% Exceedance	919	714	764	1,437	2,412	2,476	3,508	3,699	2,516	1,670	1,497	1,311
50% Exceedance	814	632	676	1,044	1,653	2,150	2,774	2,441	1,714	1,378	1,382	1,268
60% Exceedance	695	509	569	923	1,309	1,781	2,278	1,759	1,481	1,211	1,328	1,231
70% Exceedance	578	396	460	687	1,089	1,460	2,055	1,437	1,106	1,080	1,278	1,175
80% Exceedance	439	336	357	491	745	1,153	1,673	1,103	873	957	1,209	967
90% Exceedance	359	254	208	395	509	730	1,083	664	521	831	1,057	771
Full Simulation Period Average[a]	812	770	1,021	1,778	2,391	2,517	3,210	3,521	3,227	1,930	1,556	1,338
Wet Water Years (22%)	1,253	1,062	1,140	3,986	4,602	4,691	5,591	7,904	8,270	4,135	2,394	1,967
Above Normal Water Years (12%)	940	1,029	1,545	2,318	3,415	3,403	3,963	4,244	3,415	1,729	1,530	1,273
Below Normal Water Years (15%)	967	1,034	1,045	1,808	3,120	2,537	3,649	3,548	2,766	1,704	1,515	1,331
Dry Water Years (17%)	692	787	1,235	873	1,282	1,721	2,434	2,132	1,580	1,266	1,359	1,191
Critical Water Years (34%)	460	344	614	597	832	1,186	1,598	1,112	923	1,006	1,140	1,032

Table F.2.2-16-10b. San Joaquin River Flow at Gravelly Ford, NAA, 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

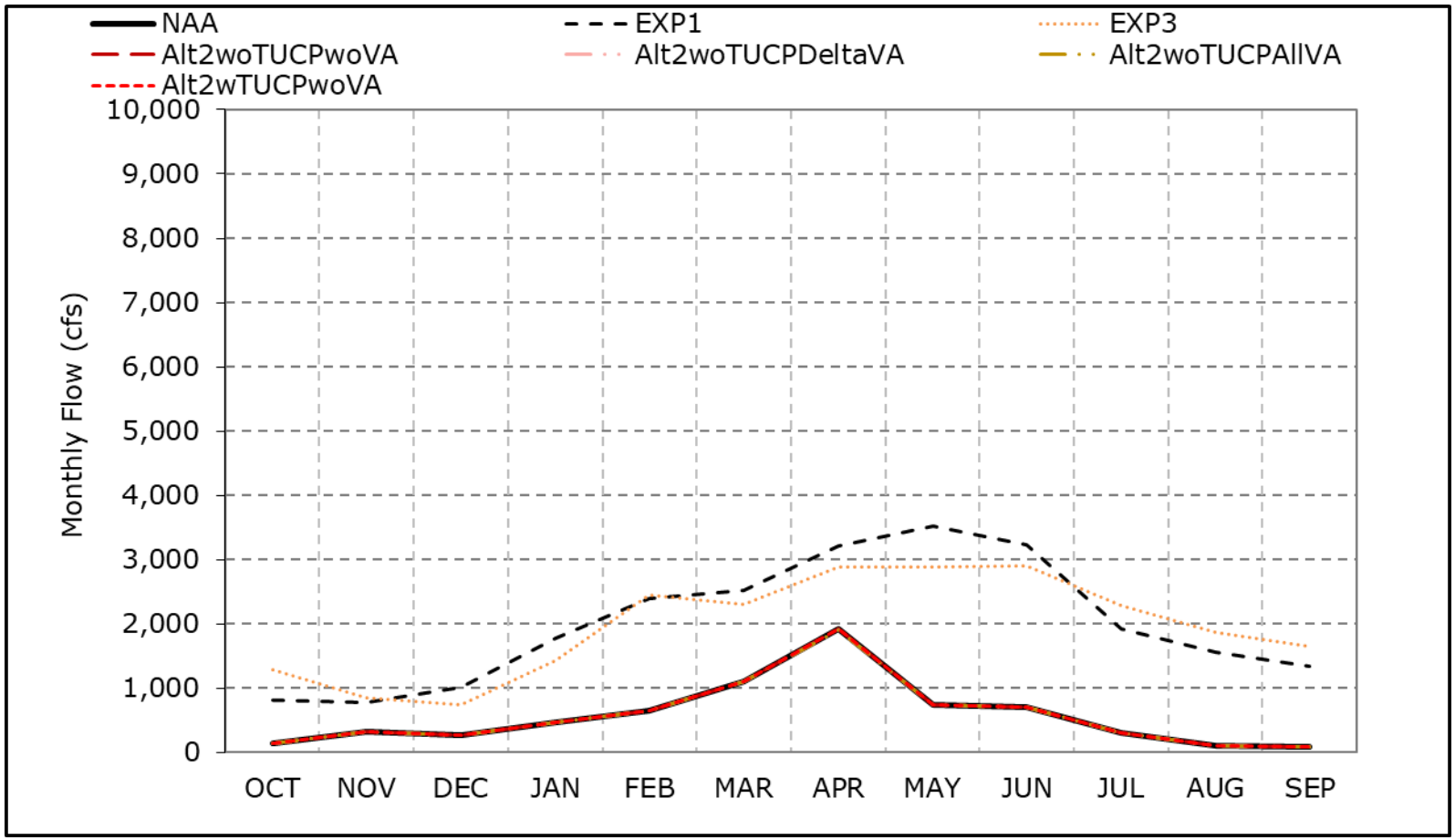
Table F.2.2-16-10c. San Joaquin River Flow at Gravelly Ford, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,027	-1,210	-1,760	-3,547	-3,204	-2,822	-1,983	-5,603	-5,901	-2,486	-1,983	-1,701
20% Exceedance	-896	-585	-1,001	-2,669	-3,440	-2,848	-1,284	-4,638	-4,527	-1,773	-1,667	-1,374
30% Exceedance	-822	-444	-786	-1,881	-2,632	-2,312	-864	-4,016	-3,100	-1,807	-1,560	-1,281
40% Exceedance	-772	-357	-578	-1,227	-2,199	-1,638	-664	-3,431	-2,337	-1,599	-1,425	-1,217
50% Exceedance	-668	-276	-490	-835	-1,441	-1,314	-1,186	-2,258	-1,565	-1,310	-1,311	-1,175
60% Exceedance	-552	-154	-385	-715	-1,098	-947	-1,046	-1,625	-1,350	-1,149	-1,261	-1,141
70% Exceedance	-436	-43	-276	-481	-880	-627	-1,215	-1,317	-983	-1,021	-1,215	-1,088
80% Exceedance	-302	-22	-175	-285	-538	-322	-1,409	-989	-751	-903	-1,153	-894
90% Exceedance	-244	58	-53	-210	-308	96	-929	-566	-429	-830	-1,057	-704
Full Simulation Period Average[a]	-678	-446	-754	-1,316	-1,735	-1,406	-1,293	-2,773	-2,529	-1,616	-1,453	-1,254
Wet Water Years (22%)	-1,113	-710	-677	-2,577	-2,563	-2,690	-1,913	-5,204	-5,627	-2,894	-2,117	-1,885
Above Normal Water Years (12%)	-793	-672	-1,236	-2,098	-2,881	-2,235	-843	-3,763	-3,197	-1,669	-1,467	-1,182
Below Normal Water Years (15%)	-821	-678	-847	-1,623	-2,818	-1,662	-1,056	-3,277	-2,572	-1,646	-1,450	-1,240
Dry Water Years (17%)	-543	-438	-1,046	-689	-1,096	-881	-1,179	-1,984	-1,448	-1,201	-1,292	-1,093
Critical Water Years (34%)	-348	-81	-421	-402	-636	-434	-1,213	-1,022	-809	-966	-1,100	-958

[a] Based on the 100-year simulation period.

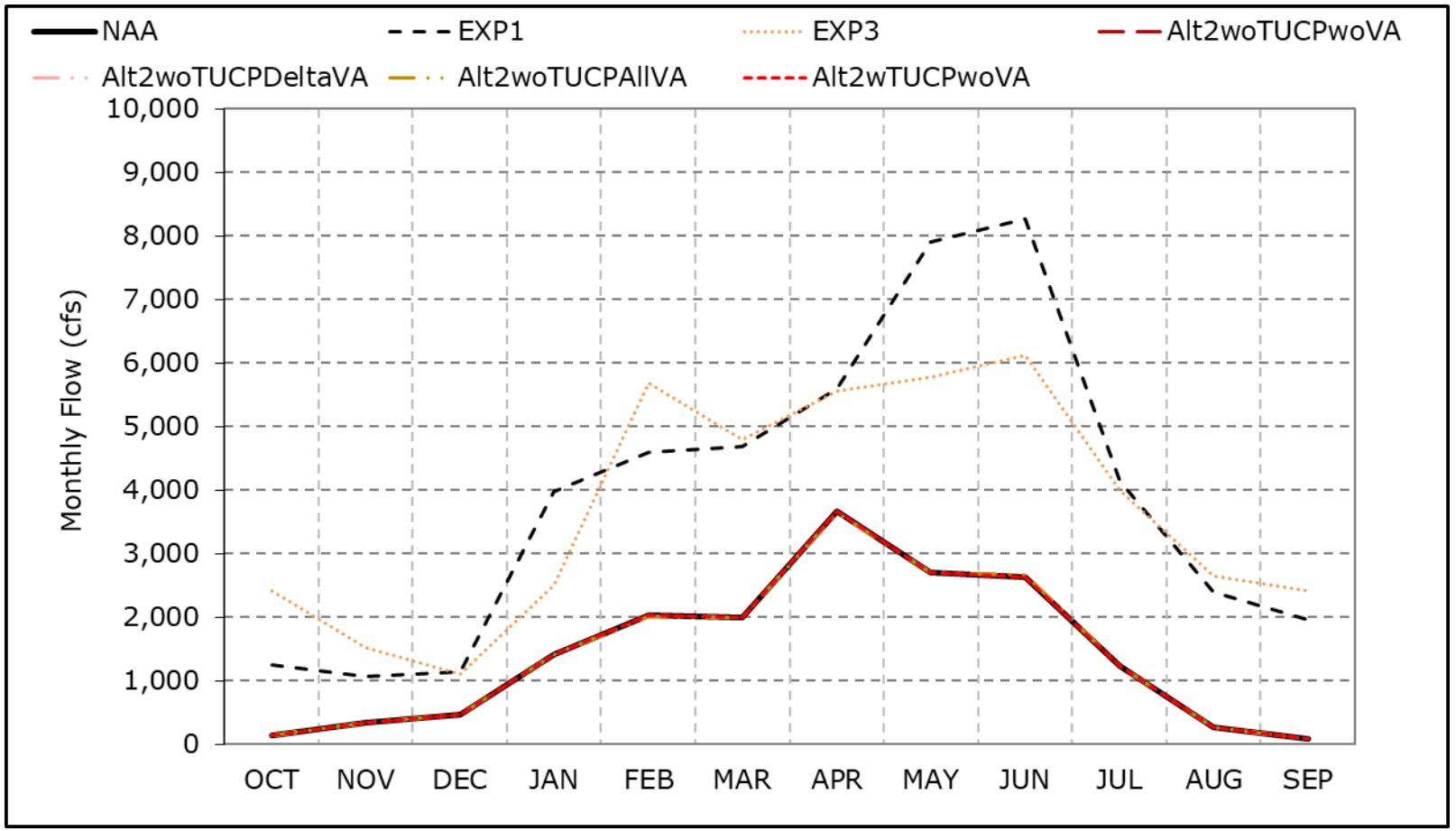
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-16-1. San Joaquin River Flow at Gravelly Ford, Long-Term Average Flow



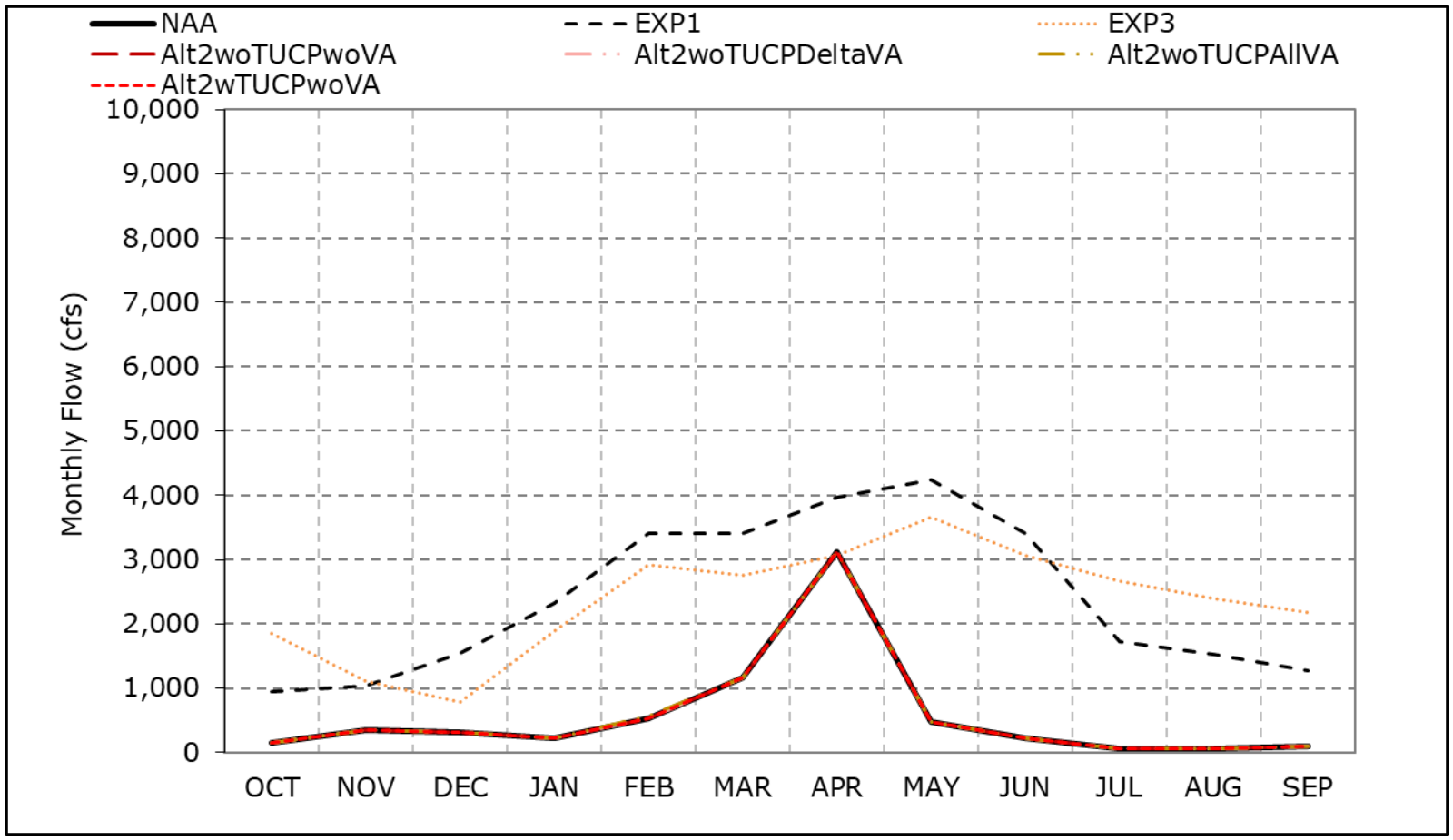
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-2. San Joaquin River Flow at Gravelly Ford, Wet Year Average Flow



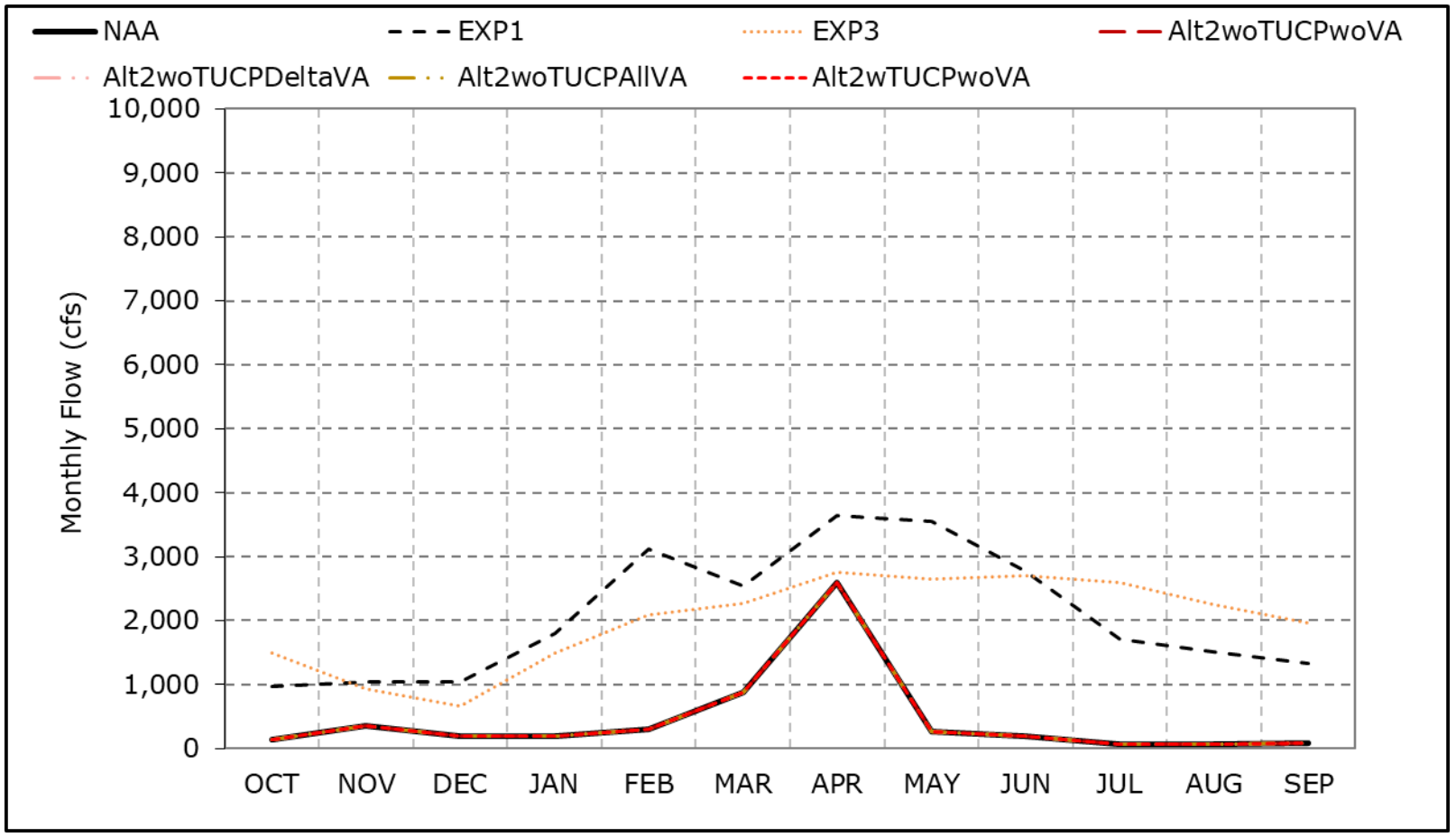
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-3. San Joaquin River Flow at Gravelly Ford, Above Normal Year Average Flow



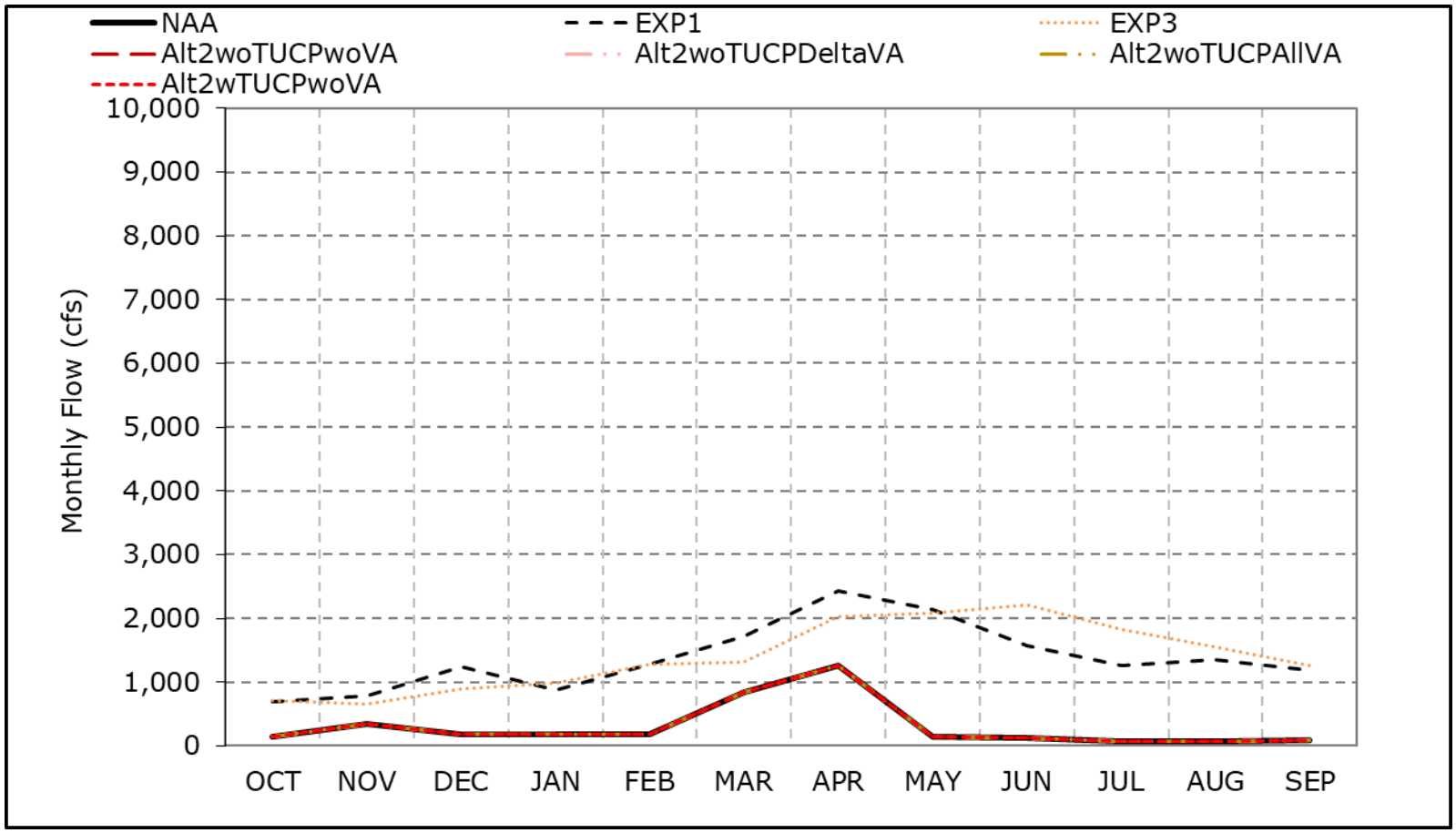
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-4. San Joaquin River Flow at Gravelly Ford, Below Normal Year Average Flow



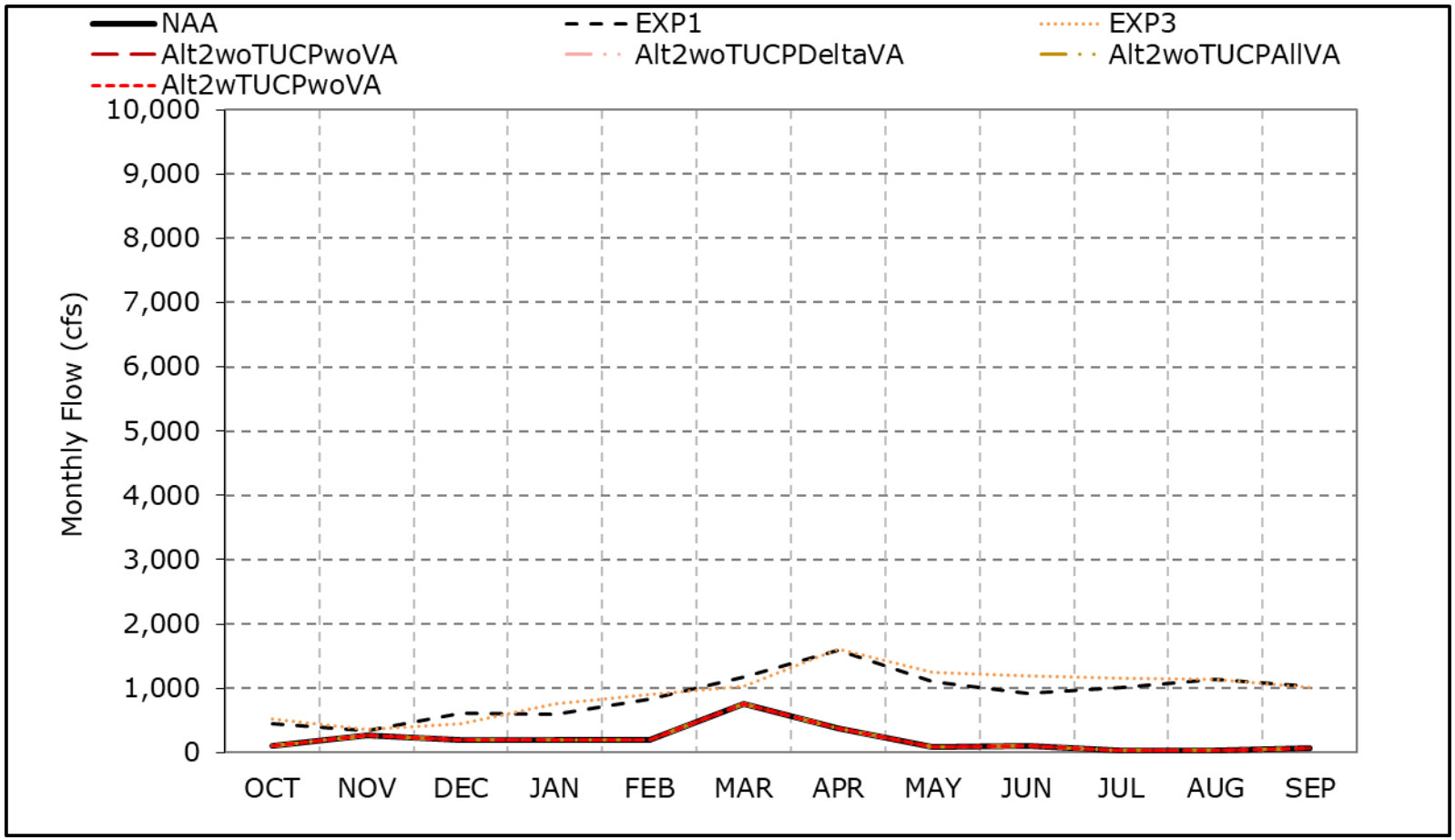
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-5. San Joaquin River Flow at Gravelly Ford, Dry Year Average Flow



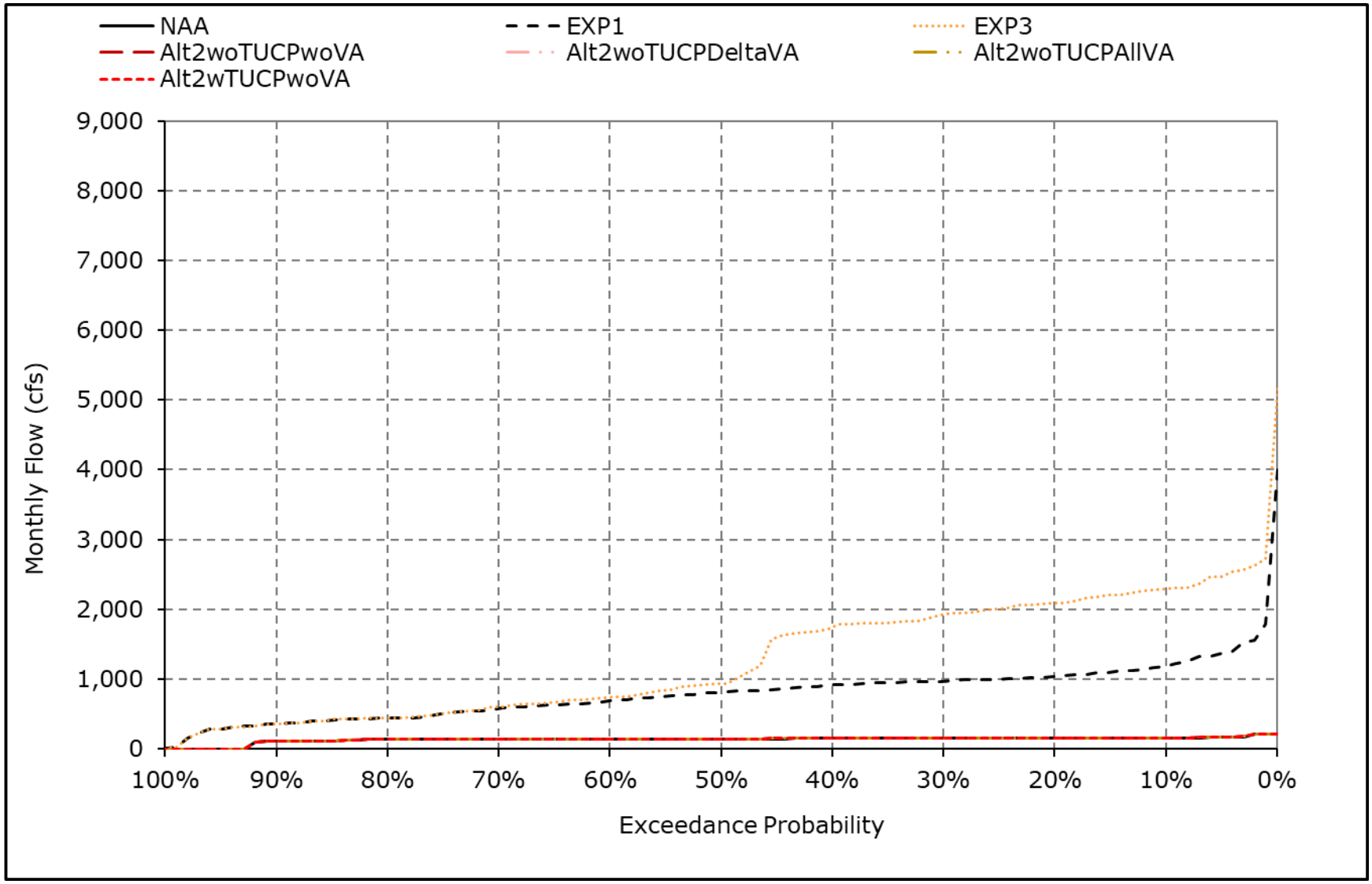
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-6. San Joaquin River Flow at Gravelly Ford, Critical Year Average Flow



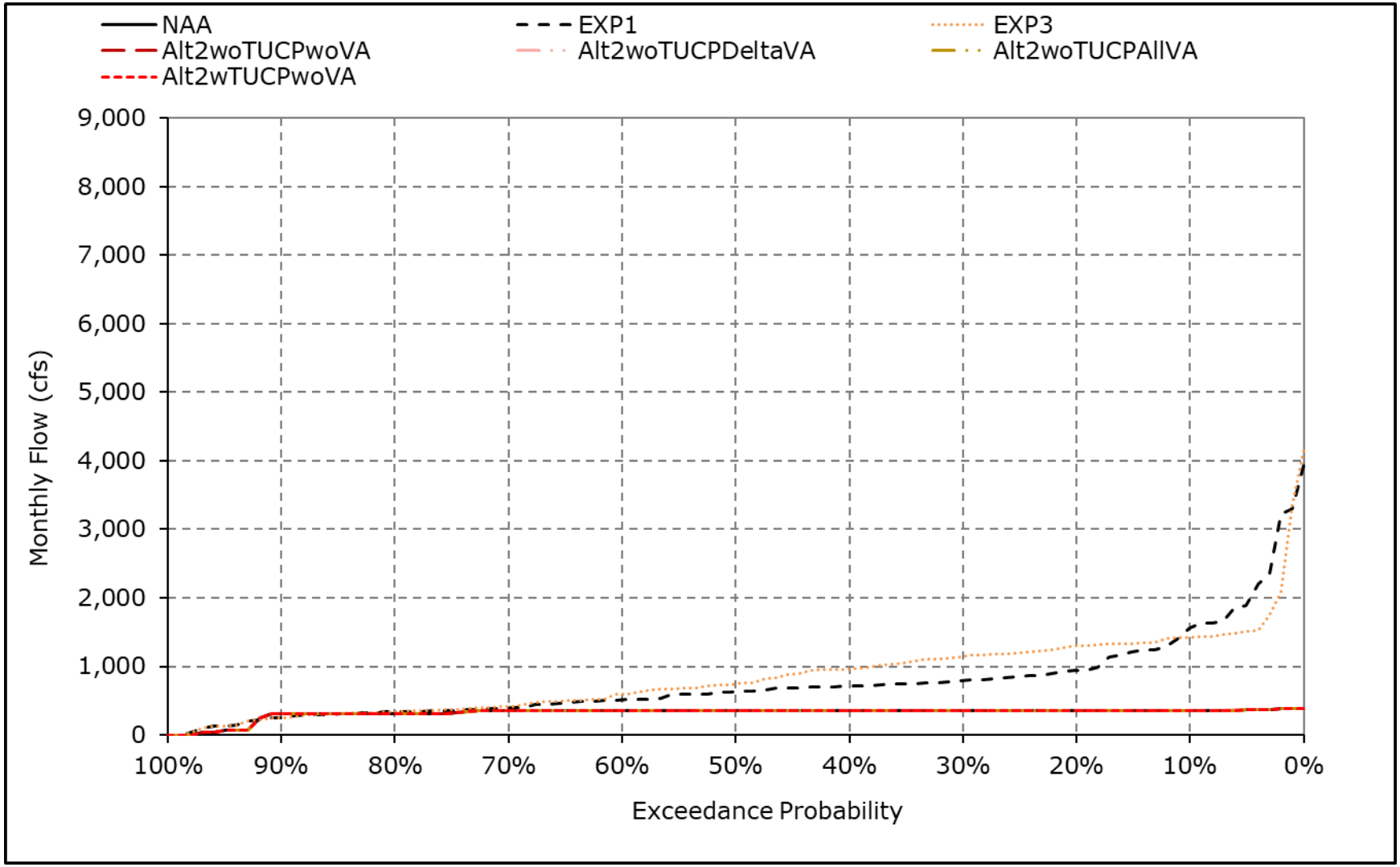
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-7. San Joaquin River Flow at Gravelly Ford, October



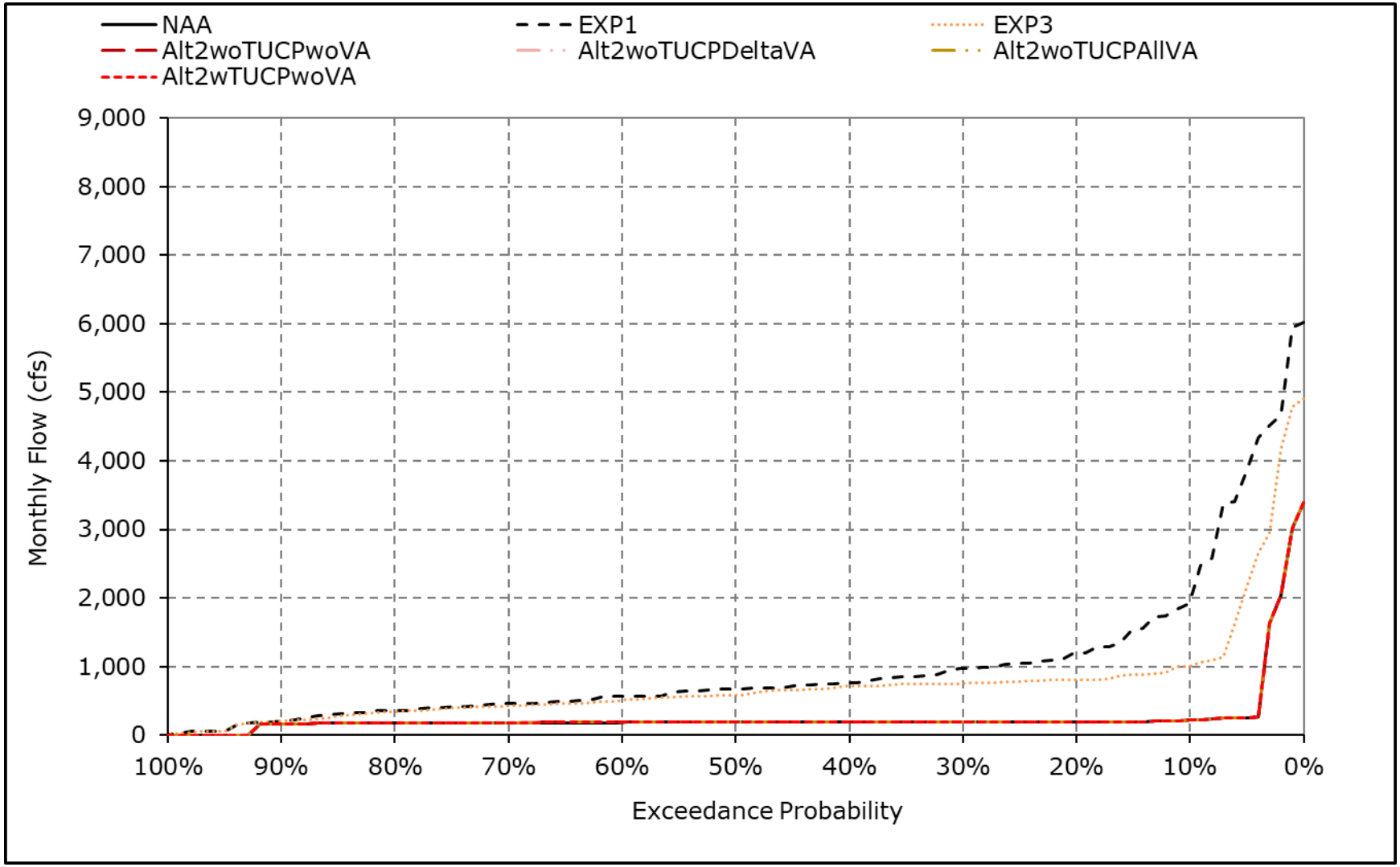
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-8. San Joaquin River Flow at Gravelly Ford, November



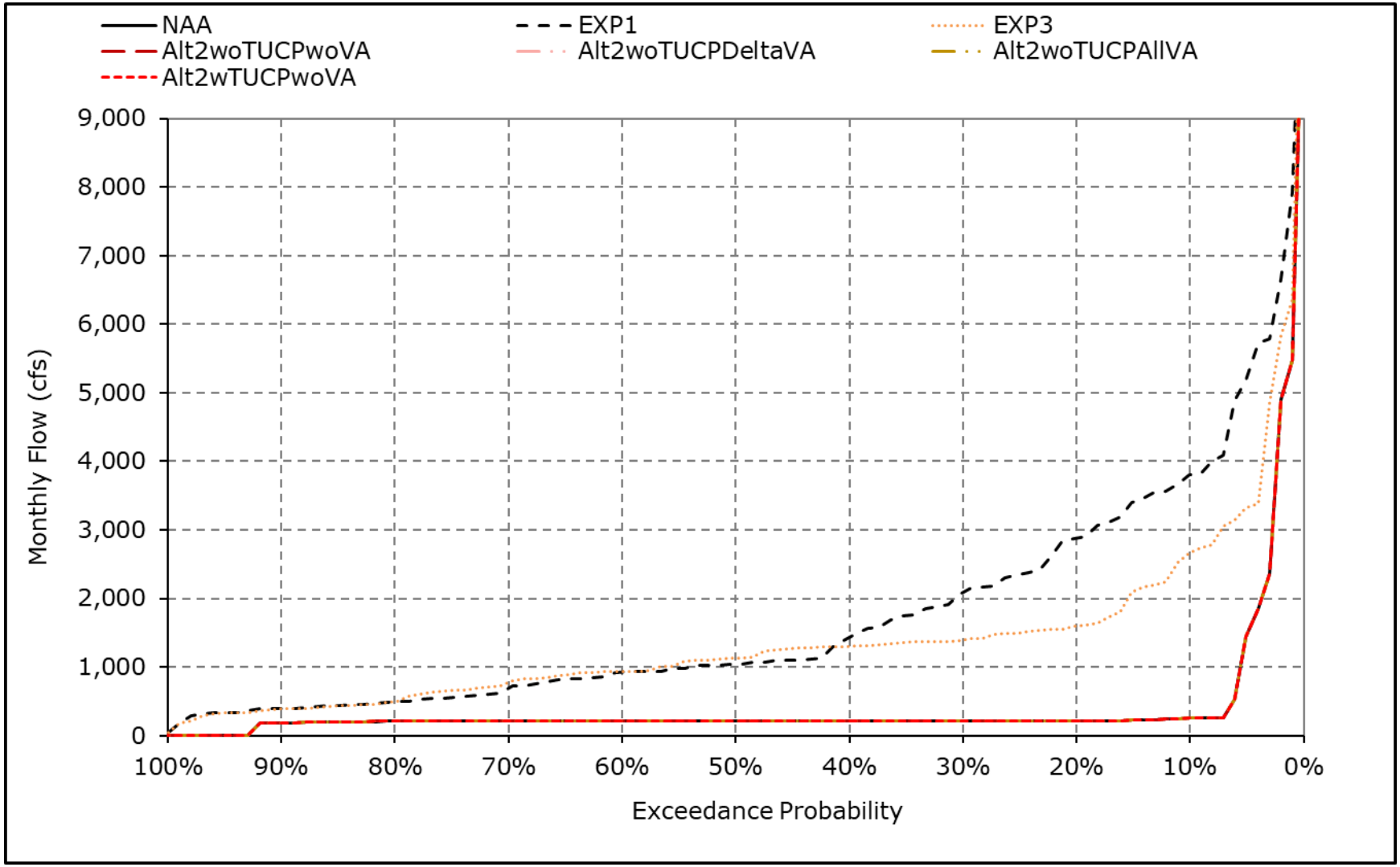
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-9. San Joaquin River Flow at Gravelly Ford, December



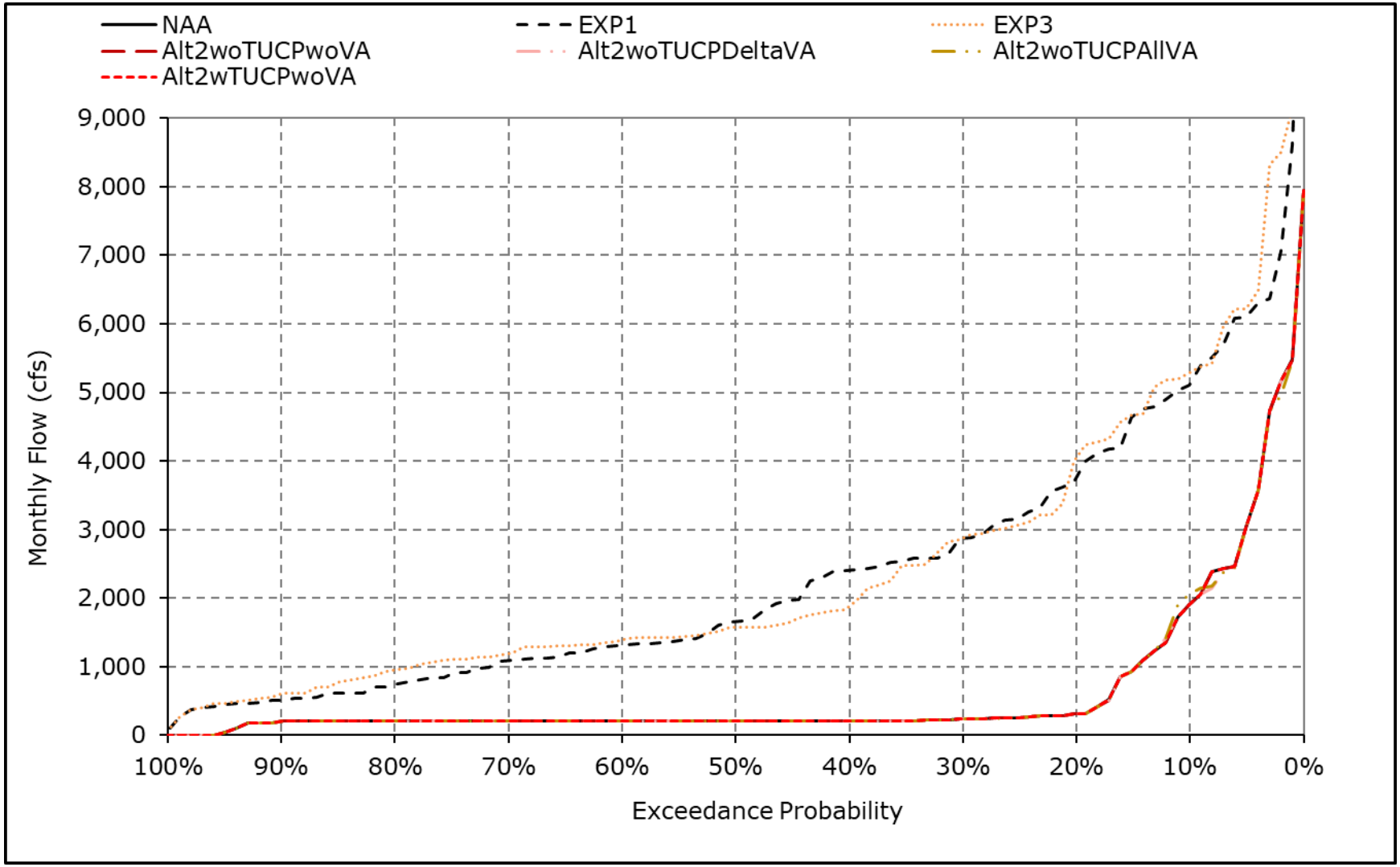
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-10. San Joaquin River Flow at Gravelly Ford, January



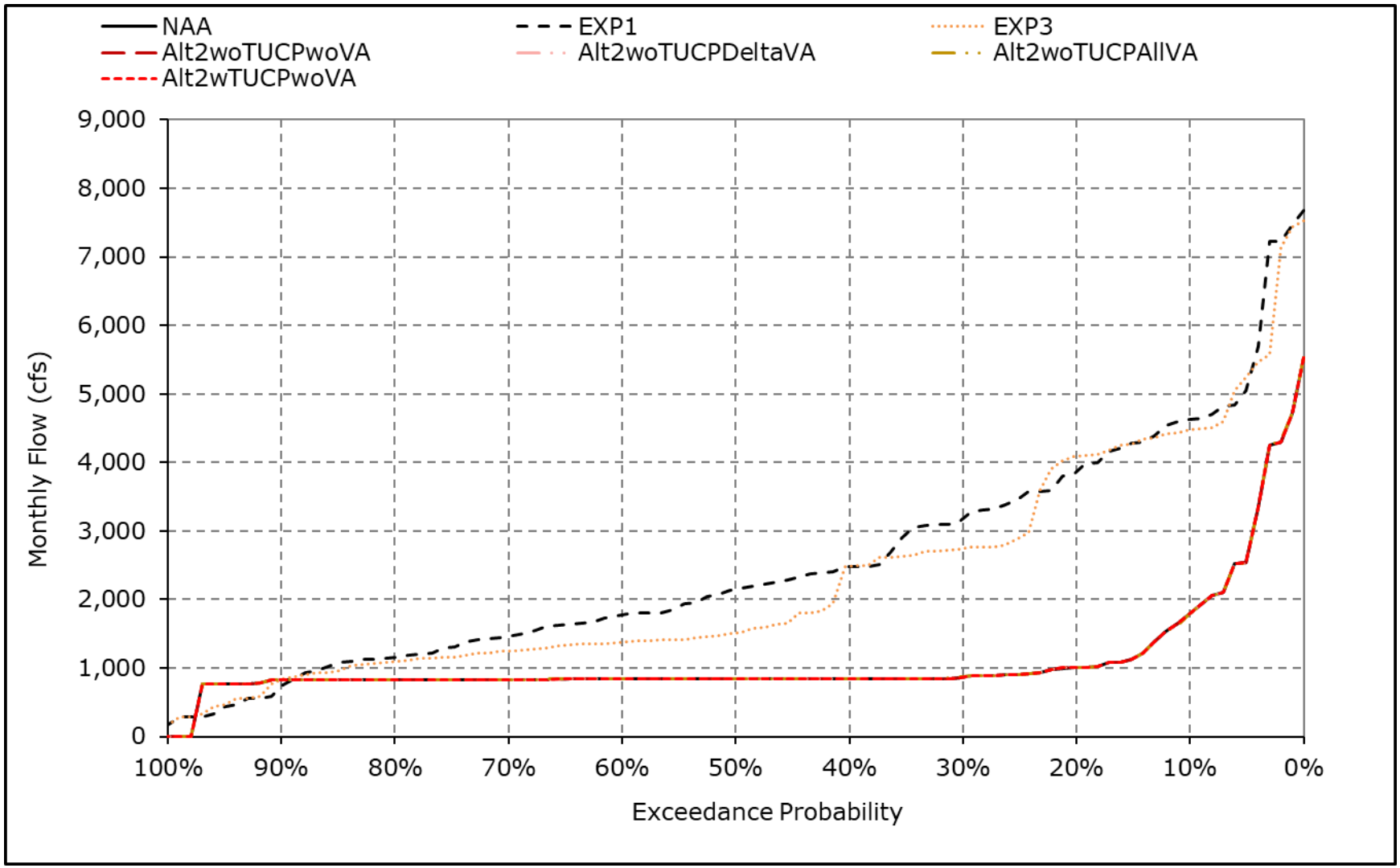
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-11. San Joaquin River Flow at Gravelly Ford, February



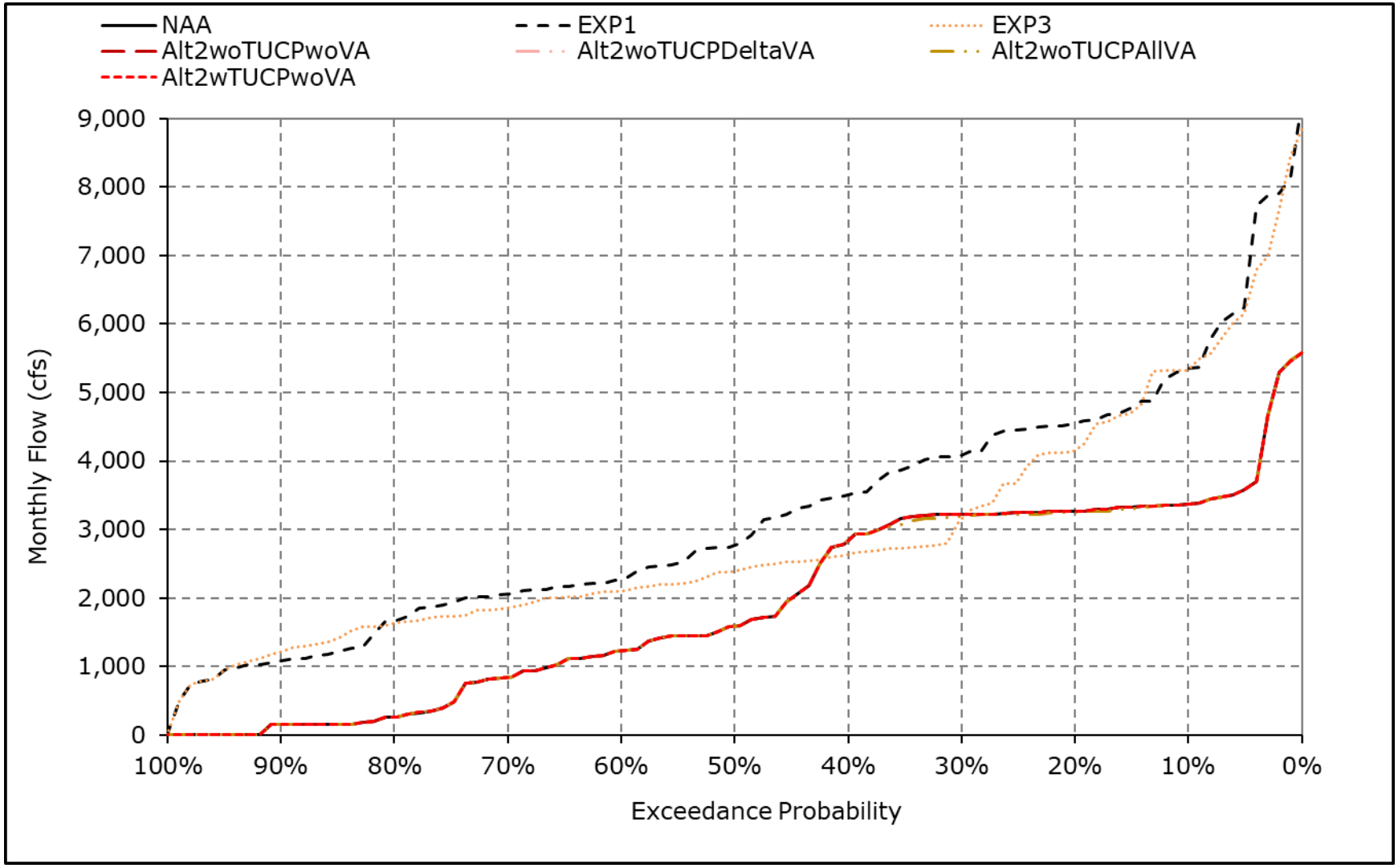
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-12. San Joaquin River Flow at Gravelly Ford, March



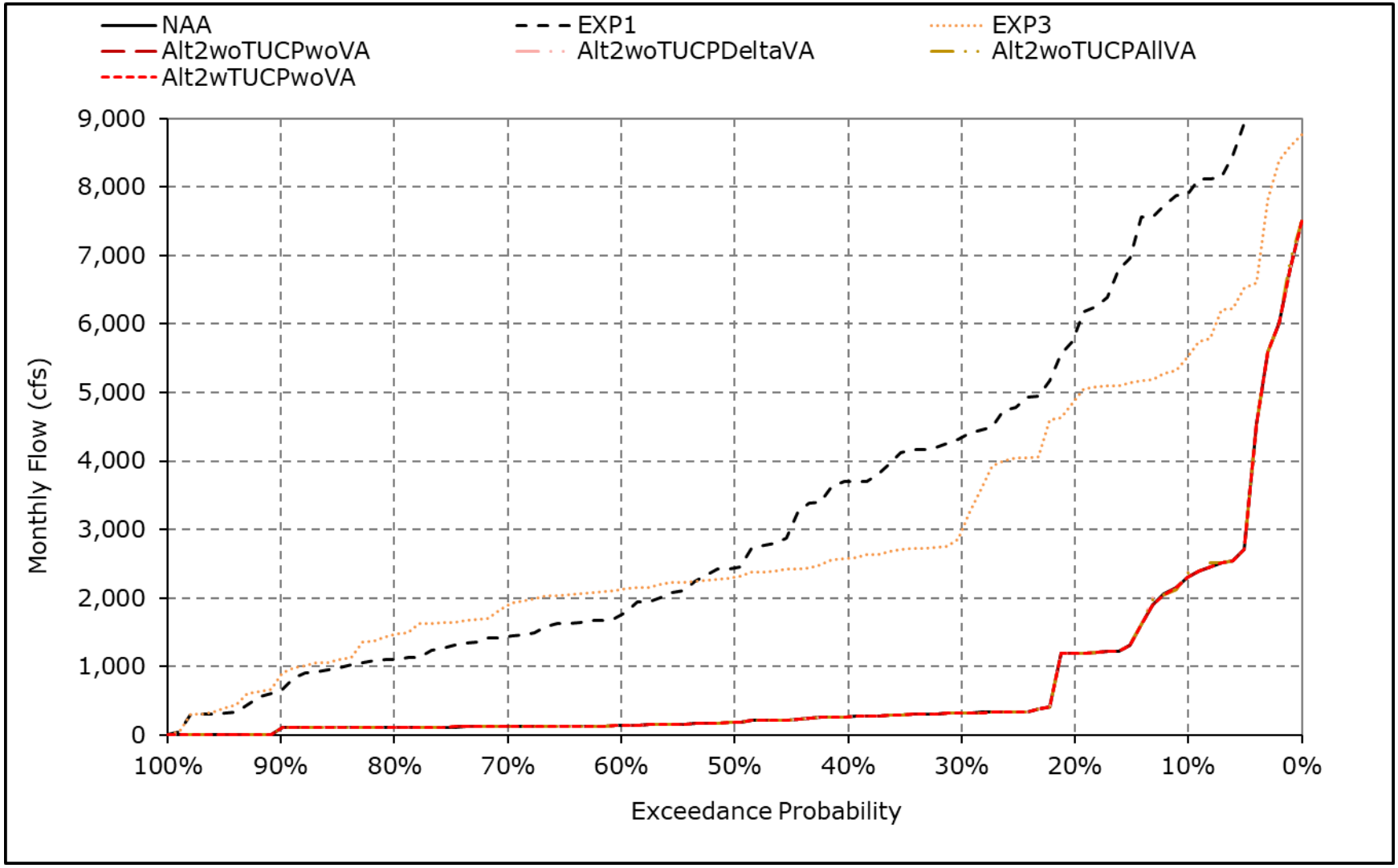
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-13. San Joaquin River Flow at Gravelly Ford, April



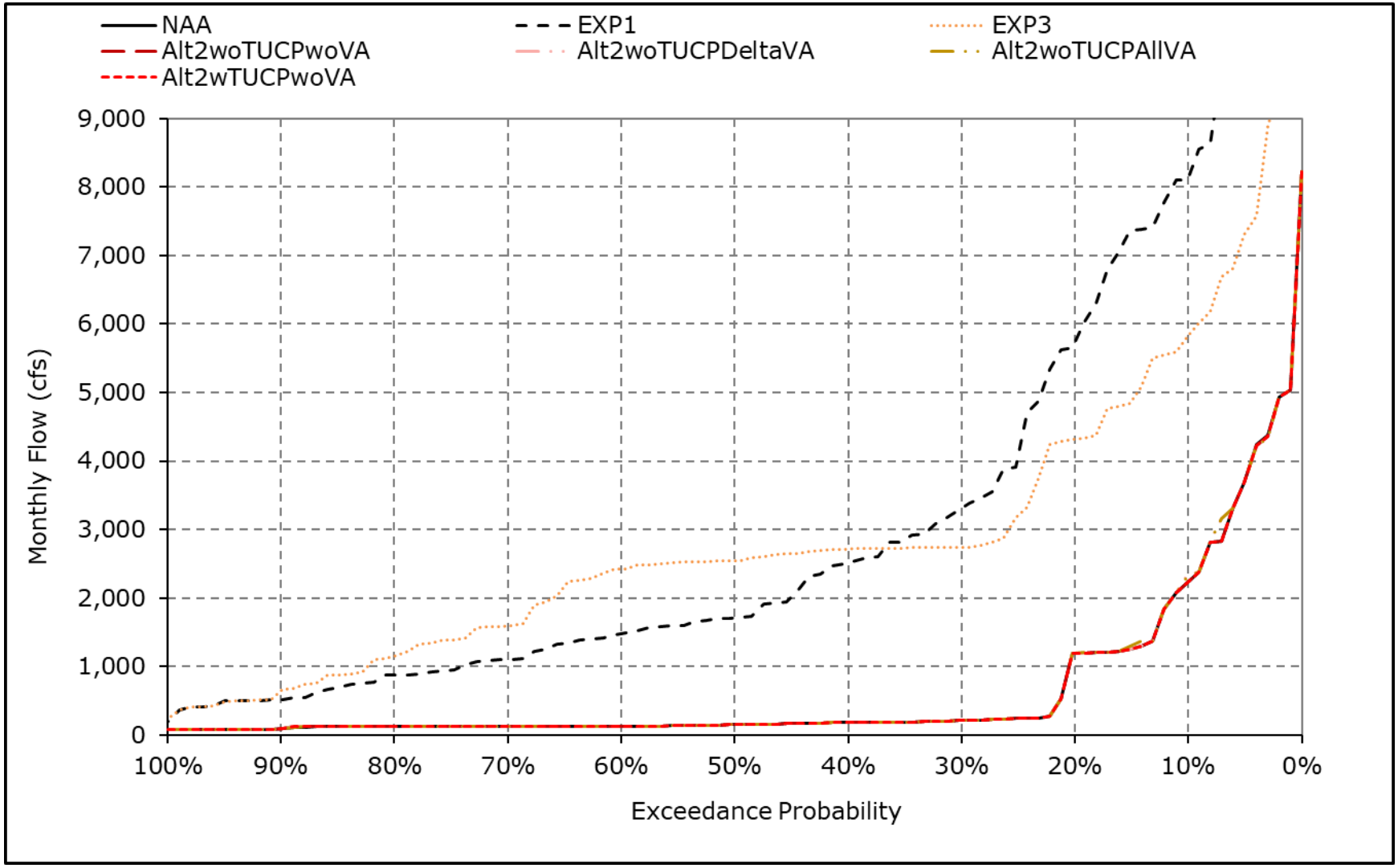
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-14. San Joaquin River Flow at Gravelly Ford, May



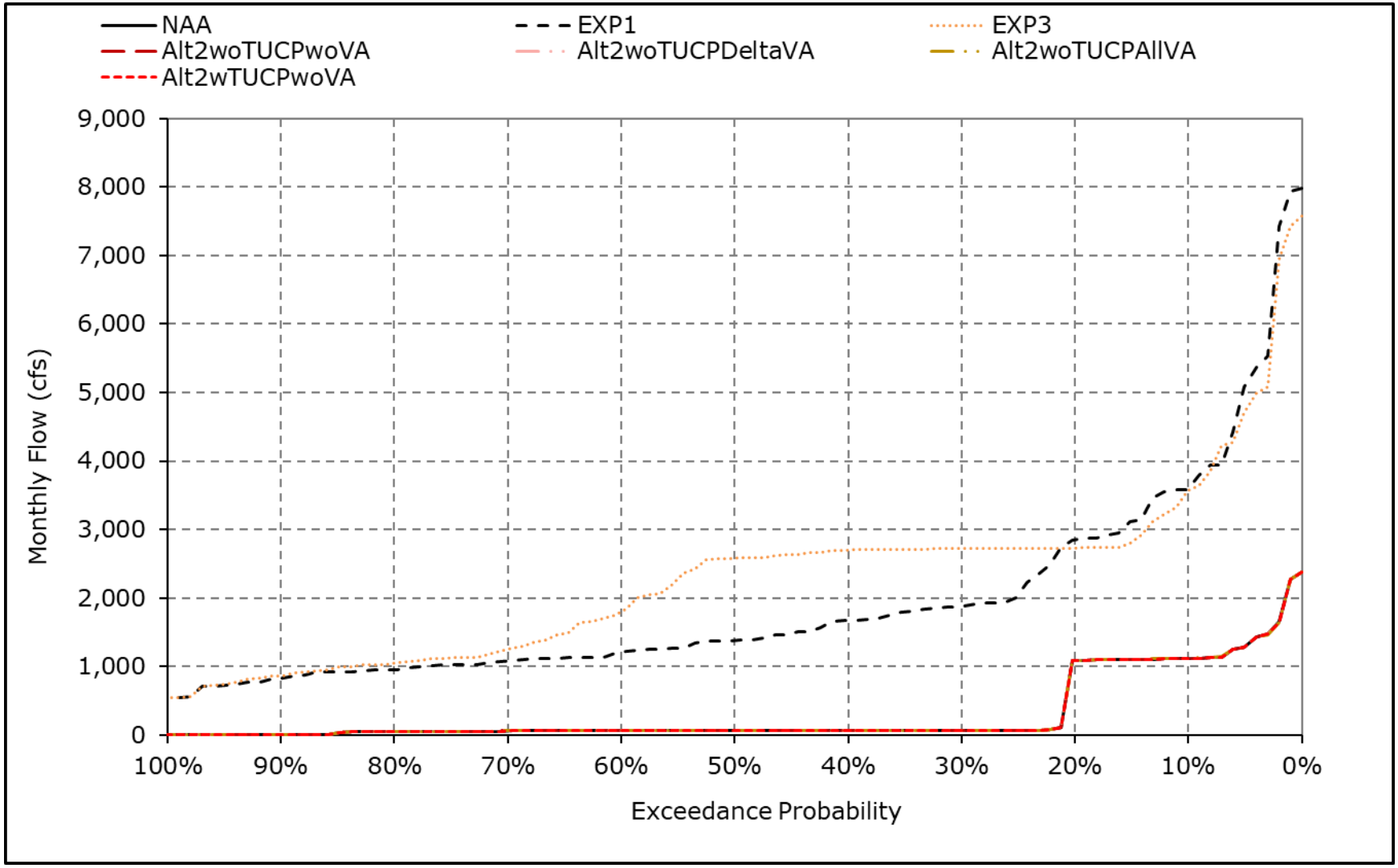
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-15. San Joaquin River Flow at Gravelly Ford, June



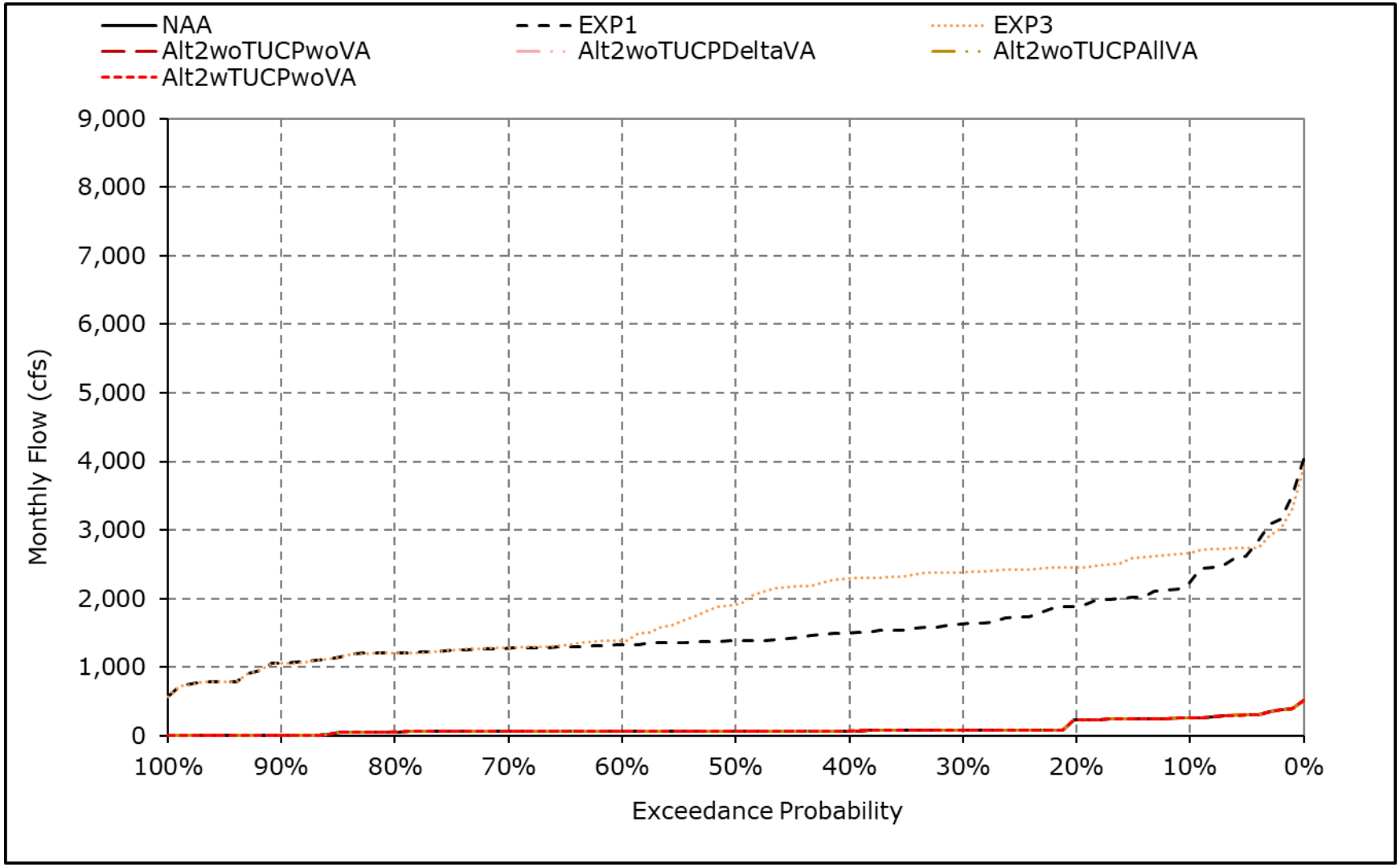
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-16. San Joaquin River Flow at Gravelly Ford, July



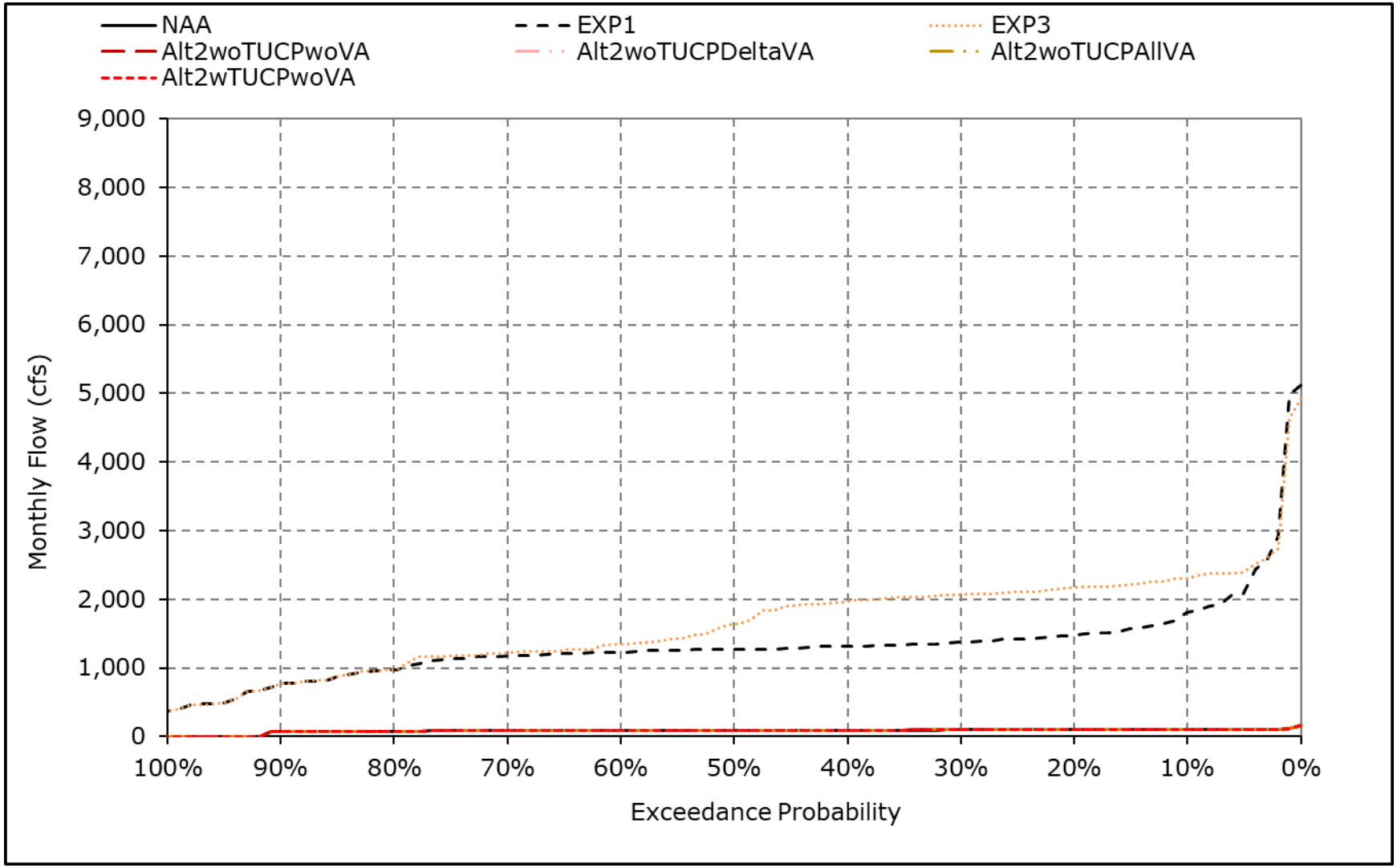
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-17. San Joaquin River Flow at Gravelly Ford, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-16-18. San Joaquin River Flow at Gravelly Ford, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-17-1a. San Joaquin River Flow below Sack Dam, NAA, 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

Table F.2.2-17-1b. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,243	1,514	4,359	2,139	1,806	1,057	45	65
20% Exceedance	115	313	155	175	175	864	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	467	1,039	1,954	642	517	278	38	59
Wet Water Years (22%)	128	416	496	871	1,411	1,955	4,284	2,597	2,092	1,137	45	65
Above Normal Water Years (12%)	115	313	293	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

Table F.2.2-17-1c. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	8	8	-86	-21	-11	0	0	0
20% Exceedance	0	0	0	0	0	-6	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	4	-2	-8	-4	-1	0	0	0
Wet Water Years (22%)	0	0	0	-1	0	-9	-34	-17	-3	-1	0	0
Above Normal Water Years (12%)	0	0	-1	0	21	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-2a. San Joaquin River Flow below Sack Dam, NAA, 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

Table F.2.2-17-2b. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,243	1,514	4,359	2,152	1,804	1,057	45	65
20% Exceedance	115	313	155	175	175	863	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	644	518	278	38	59
Wet Water Years (22%)	128	416	496	871	1,408	1,960	4,293	2,605	2,097	1,137	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,000	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

Table F.2.2-17-2c. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	8	9	-86	-8	-13	0	0	0
20% Exceedance	0	0	0	0	0	-6	-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	-2	0	0	0	0
Wet Water Years (22%)	0	0	0	-1	-3	-4	-25	-8	2	-1	0	0
Above Normal Water Years (12%)	0	0	-1	0	21	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-3a. San Joaquin River Flow below Sack Dam, NAA, 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

Table F.2.2-17-3b. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,244	1,514	4,361	2,151	1,804	1,057	45	65
20% Exceedance	115	313	155	175	175	865	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	1,039	1,956	644	518	279	38	59
Wet Water Years (22%)	128	416	496	871	1,408	1,955	4,296	2,605	2,096	1,138	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,000	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

Table F.2.2-17-3c. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	9	9	-84	-9	-12	0	0	0
20% Exceedance	0	0	0	0	0	-5	-15	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	3	-2	-5	-2	0	0	0	0
Wet Water Years (22%)	0	0	0	-1	-3	-8	-22	-8	1	0	0	0
Above Normal Water Years (12%)	0	0	-1	0	21	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-4a. San Joaquin River Flow below Sack Dam, NAA, 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

Table F.2.2-17-4b. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,244	1,515	4,358	2,143	1,806	1,057	45	65
20% Exceedance	115	313	155	175	175	864	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	1,039	1,955	642	517	278	38	59
Wet Water Years (22%)	128	416	496	870	1,406	1,955	4,289	2,597	2,092	1,137	45	65
Above Normal Water Years (12%)	115	313	293	354	397	1,000	2,974	189	85	45	45	65
Below Normal Water Years (15%)	115	313	160	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

Table F.2.2-17-4c. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	8	9	-86	-18	-11	0	0	0
20% Exceedance	0	0	0	0	0	-6	-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	2	-2	-6	-4	-1	0	0	0
Wet Water Years (22%)	0	0	0	-2	-5	-9	-29	-16	-3	-1	0	0
Above Normal Water Years (12%)	0	0	-1	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-5a. San Joaquin River Flow below Sack Dam, NAA, 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

Table F.2.2-17-5b. San Joaquin River Flow below Sack Dam, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	117	84	448	1,592	2,343	2,105	2,409	2,681	1,492	217	84	96
20% Exceedance	90	49	110	220	1,607	1,620	1,544	1,177	316	77	65	66
30% Exceedance	63	36	84	83	1,269	1,364	900	608	125	24	38	44
40% Exceedance	46	12	59	51	726	638	653	353	50	1	16	30
50% Exceedance	1	0	27	19	164	142	125	74	16	0	0	8
60% Exceedance	0	0	15	11	68	73	76	33	0	0	0	0
70% Exceedance	0	0	0	0	28	18	23	15	0	0	0	0
80% Exceedance	0	0	0	0	0	0	14	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	72	91	241	436	871	868	868	748	450	120	40	58
Wet Water Years (22%)	251	366	562	1,091	2,415	2,465	2,723	2,479	1,809	473	101	182
Above Normal Water Years (12%)	62	43	351	1,003	1,492	1,285	1,039	926	225	45	62	71
Below Normal Water Years (15%)	45	32	197	417	932	1,000	792	545	118	39	53	44
Dry Water Years (17%)	5	0	135	33	56	54	87	40	30	22	12	12
Critical Water Years (34%)	2	1	60	21	33	36	31	10	6	3	2	3

Table F.2.2-17-5c. San Joaquin River Flow below Sack Dam, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-230	292	1,412	1,108	600	-2,036	521	-325	-840	39	31
20% Exceedance	-25	-265	-45	45	1,432	751	-1,569	46	-815	-981	20	1
30% Exceedance	-52	-278	-71	-92	1,094	596	-2,068	523	40	-21	-7	-21
40% Exceedance	-69	-301	-96	-124	551	-129	-2,062	268	-35	-44	-29	-35
50% Exceedance	-114	-313	-128	-156	-11	-625	-1,334	-11	-69	-45	-45	-57
60% Exceedance	-115	-313	-140	-164	-107	-694	-902	-52	-85	-45	-45	-65
70% Exceedance	-115	-313	-155	-175	-147	-750	-696	-70	-85	-45	-45	-65
80% Exceedance	-115	-313	-155	-175	-175	-768	-198	-85	-85	-45	-45	-65
90% Exceedance	-115	-313	-155	-175	-175	-768	-125	-72	-32	0	0	-65
Full Simulation Period Average[a]	-39	-221	-6	89	408	-173	-1,093	103	-68	-158	2	-1
Wet Water Years (22%)	123	-51	65	219	1,004	502	-1,595	-135	-286	-665	56	117
Above Normal Water Years (12%)	-53	-270	57	648	1,115	287	-1,935	735	140	0	17	6
Below Normal Water Years (15%)	-70	-281	37	214	763	194	-1,636	460	33	-6	8	-21
Dry Water Years (17%)	-112	-313	-21	-122	-99	-714	-984	-45	-54	-21	-30	-53
Critical Water Years (34%)	-89	-240	-92	-143	-132	-664	-287	-49	-52	-23	-24	-45

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-6a. San Joaquin River Flow below Sack Dam, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	431	1,444	1,922	2,380	2,087	2,431	2,851	2,031	233	84	226
20% Exceedance	44	106	609	1,368	1,848	1,720	1,642	1,392	395	0	1	79
30% Exceedance	0	35	342	918	1,493	1,455	1,190	814	217	0	0	24
40% Exceedance	0	0	250	438	1,200	1,077	927	599	1	0	0	0
50% Exceedance	0	0	168	118	622	766	622	382	0	0	0	0
60% Exceedance	0	0	84	27	227	436	332	49	0	0	0	0
70% Exceedance	0	0	9	0	105	195	221	0	0	0	0	0
80% Exceedance	0	0	0	0	0	28	10	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	60	184	490	705	1,052	1,042	1,028	932	597	119	37	100
Wet Water Years (22%)	204	440	752	1,768	2,553	2,486	2,758	2,939	2,449	526	157	355
Above Normal Water Years (12%)	28	163	874	1,371	1,613	1,526	1,249	1,036	243	21	11	0
Below Normal Water Years (15%)	68	279	635	807	1,406	1,138	970	660	142	1	6	39
Dry Water Years (17%)	8	118	412	93	258	438	453	266	30	0	0	6
Critical Water Years (34%)	1	11	139	42	124	197	144	51	8	1	2	44

Table F.2.2-17-6b. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,243	1,514	4,359	2,139	1,806	1,057	45	65
20% Exceedance	115	313	155	175	175	864	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	467	1,039	1,954	642	517	278	38	59
Wet Water Years (22%)	128	416	496	871	1,411	1,955	4,284	2,597	2,092	1,137	45	65
Above Normal Water Years (12%)	115	313	293	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

Table F.2.2-17-6c. San Joaquin River Flow below Sack Dam, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-118	-1,288	-1,742	-1,137	-573	1,927	-712	-226	824	-39	-161
20% Exceedance	71	208	-454	-1,193	-1,673	-856	1,457	-261	736	1,057	44	-14
30% Exceedance	115	278	-187	-743	-1,318	-687	1,777	-729	-132	45	45	41
40% Exceedance	115	313	-95	-263	-1,025	-309	1,788	-514	84	45	45	65
50% Exceedance	115	313	-13	57	-447	2	837	-297	85	45	45	65
60% Exceedance	115	313	71	148	-52	332	646	36	85	45	45	65
70% Exceedance	115	313	146	175	70	572	498	85	85	45	45	65
80% Exceedance	115	313	155	175	175	739	203	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	50	129	-242	-358	-586	-3	926	-291	-80	160	1	-41
Wet Water Years (22%)	-76	-24	-256	-897	-1,142	-532	1,526	-342	-357	611	-112	-290
Above Normal Water Years (12%)	87	151	-581	-1,016	-1,216	-526	1,726	-845	-158	24	34	65
Below Normal Water Years (15%)	47	34	-476	-605	-1,230	-332	1,458	-575	-57	44	39	26
Dry Water Years (17%)	109	195	-256	61	-104	329	617	-181	54	42	42	59
Critical Water Years (34%)	91	231	13	123	40	503	174	9	50	25	25	4

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-7a. San Joaquin River Flow below Sack Dam, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	431	1,444	1,922	2,380	2,087	2,431	2,851	2,031	233	84	226
20% Exceedance	44	106	609	1,368	1,848	1,720	1,642	1,392	395	0	1	79
30% Exceedance	0	35	342	918	1,493	1,455	1,190	814	217	0	0	24
40% Exceedance	0	0	250	438	1,200	1,077	927	599	1	0	0	0
50% Exceedance	0	0	168	118	622	766	622	382	0	0	0	0
60% Exceedance	0	0	84	27	227	436	332	49	0	0	0	0
70% Exceedance	0	0	9	0	105	195	221	0	0	0	0	0
80% Exceedance	0	0	0	0	0	28	10	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	60	184	490	705	1,052	1,042	1,028	932	597	119	37	100
Wet Water Years (22%)	204	440	752	1,768	2,553	2,486	2,758	2,939	2,449	526	157	355
Above Normal Water Years (12%)	28	163	874	1,371	1,613	1,526	1,249	1,036	243	21	11	0
Below Normal Water Years (15%)	68	279	635	807	1,406	1,138	970	660	142	1	6	39
Dry Water Years (17%)	8	118	412	93	258	438	453	266	30	0	0	6
Critical Water Years (34%)	1	11	139	42	124	197	144	51	8	1	2	44

Table F.2.2-17-7b. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,243	1,514	4,359	2,152	1,804	1,057	45	65
20% Exceedance	115	313	155	175	175	863	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	644	518	278	38	59
Wet Water Years (22%)	128	416	496	871	1,408	1,960	4,293	2,605	2,097	1,137	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,000	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

Table F.2.2-17-7c. San Joaquin River Flow below Sack Dam, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-118	-1,288	-1,742	-1,137	-572	1,928	-699	-227	824	-39	-161
20% Exceedance	71	208	-454	-1,193	-1,673	-857	1,457	-261	736	1,057	44	-14
30% Exceedance	115	278	-187	-743	-1,318	-687	1,777	-729	-132	45	45	41
40% Exceedance	115	313	-95	-263	-1,025	-309	1,788	-514	84	45	45	65
50% Exceedance	115	313	-13	57	-447	2	837	-297	85	45	45	65
60% Exceedance	115	313	71	148	-52	332	646	36	85	45	45	65
70% Exceedance	115	313	146	175	70	572	498	85	85	45	45	65
80% Exceedance	115	313	155	175	175	739	203	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	50	129	-243	-358	-586	-2	928	-289	-79	160	1	-41
Wet Water Years (22%)	-76	-24	-256	-897	-1,145	-527	1,535	-333	-352	611	-112	-290
Above Normal Water Years (12%)	87	151	-581	-1,016	-1,216	-526	1,726	-845	-158	24	34	65
Below Normal Water Years (15%)	47	34	-476	-605	-1,230	-332	1,458	-575	-57	44	39	26
Dry Water Years (17%)	109	195	-256	61	-104	329	617	-181	54	42	42	59
Critical Water Years (34%)	91	231	13	123	40	503	174	9	50	25	25	4

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-8a. San Joaquin River Flow below Sack Dam, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	431	1,444	1,922	2,380	2,087	2,431	2,851	2,031	233	84	226
20% Exceedance	44	106	609	1,368	1,848	1,720	1,642	1,392	395	0	1	79
30% Exceedance	0	35	342	918	1,493	1,455	1,190	814	217	0	0	24
40% Exceedance	0	0	250	438	1,200	1,077	927	599	1	0	0	0
50% Exceedance	0	0	168	118	622	766	622	382	0	0	0	0
60% Exceedance	0	0	84	27	227	436	332	49	0	0	0	0
70% Exceedance	0	0	9	0	105	195	221	0	0	0	0	0
80% Exceedance	0	0	0	0	0	28	10	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	60	184	490	705	1,052	1,042	1,028	932	597	119	37	100
Wet Water Years (22%)	204	440	752	1,768	2,553	2,486	2,758	2,939	2,449	526	157	355
Above Normal Water Years (12%)	28	163	874	1,371	1,613	1,526	1,249	1,036	243	21	11	0
Below Normal Water Years (15%)	68	279	635	807	1,406	1,138	970	660	142	1	6	39
Dry Water Years (17%)	8	118	412	93	258	438	453	266	30	0	0	6
Critical Water Years (34%)	1	11	139	42	124	197	144	51	8	1	2	44

Table F.2.2-17-8b. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	181	1,244	1,514	4,361	2,151	1,804	1,057	45	65
20% Exceedance	115	313	155	175	175	865	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	1,039	1,956	644	518	279	38	59
Wet Water Years (22%)	128	416	496	871	1,408	1,955	4,296	2,605	2,096	1,138	45	65
Above Normal Water Years (12%)	115	313	293	355	397	1,000	2,974	192	85	45	45	65
Below Normal Water Years (15%)	115	313	159	202	176	806	2,428	85	85	45	45	65
Dry Water Years (17%)	117	313	156	154	154	768	1,070	85	84	42	42	65
Critical Water Years (34%)	91	241	152	165	165	700	318	60	58	26	26	48

Table F.2.2-17-8c. San Joaquin River Flow below Sack Dam, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-118	-1,288	-1,741	-1,136	-572	1,930	-700	-227	824	-39	-161
20% Exceedance	71	208	-454	-1,193	-1,673	-856	1,457	-261	736	1,057	44	-14
30% Exceedance	115	278	-187	-743	-1,318	-687	1,777	-729	-132	45	45	41
40% Exceedance	115	313	-95	-263	-1,025	-309	1,788	-514	84	45	45	65
50% Exceedance	115	313	-13	57	-447	2	837	-297	85	45	45	65
60% Exceedance	115	313	71	148	-52	332	646	36	85	45	45	65
70% Exceedance	115	313	146	175	70	572	498	85	85	45	45	65
80% Exceedance	115	313	155	175	175	739	203	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	50	129	-243	-358	-586	-3	928	-289	-79	160	1	-41
Wet Water Years (22%)	-76	-24	-256	-898	-1,145	-531	1,537	-334	-353	612	-112	-290
Above Normal Water Years (12%)	87	151	-581	-1,016	-1,216	-526	1,726	-845	-158	24	34	65
Below Normal Water Years (15%)	47	34	-476	-605	-1,230	-332	1,458	-575	-57	44	39	26
Dry Water Years (17%)	109	195	-256	61	-104	329	617	-181	54	42	42	59
Critical Water Years (34%)	91	231	13	123	40	503	174	9	50	25	25	4

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-9a. San Joaquin River Flow below Sack Dam, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	431	1,444	1,922	2,380	2,087	2,431	2,851	2,031	233	84	226
20% Exceedance	44	106	609	1,368	1,848	1,720	1,642	1,392	395	0	1	79
30% Exceedance	0	35	342	918	1,493	1,455	1,190	814	217	0	0	24
40% Exceedance	0	0	250	438	1,200	1,077	927	599	1	0	0	0
50% Exceedance	0	0	168	118	622	766	622	382	0	0	0	0
60% Exceedance	0	0	84	27	227	436	332	49	0	0	0	0
70% Exceedance	0	0	9	0	105	195	221	0	0	0	0	0
80% Exceedance	0	0	0	0	0	28	10	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	60	184	490	705	1,052	1,042	1,028	932	597	119	37	100
Wet Water Years (22%)	204	440	752	1,768	2,553	2,486	2,758	2,939	2,449	526	157	355
Above Normal Water Years (12%)	28	163	874	1,371	1,613	1,526	1,249	1,036	243	21	11	0
Below Normal Water Years (15%)	68	279	635	807	1,406	1,138	970	660	142	1	6	39
Dry Water Years (17%)	8	118	412	93	258	438	453	266	30	0	0	6
Critical Water Years (34%)	1	11	139	42	124	197	144	51	8	1	2	44

Table F.2.2-17-9b. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	313	155	180	1,244	1,515	4,358	2,143	1,806	1,057	45	65
20% Exceedance	115	313	155	175	175	864	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	1,039	1,955	642	517	278	38	59
Wet Water Years (22%)	128	416	496	870	1,406	1,955	4,289	2,597	2,092	1,137	45	65
Above Normal Water Years (12%)	115	313	293	354	397	1,000	2,974	189	85	45	45	65
Below Normal Water Years (15%)	115	313	160	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

Table F.2.2-17-9c. San Joaquin River Flow below Sack Dam, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-118	-1,288	-1,742	-1,137	-572	1,927	-709	-226	824	-39	-161
20% Exceedance	71	208	-454	-1,193	-1,673	-856	1,457	-261	736	1,057	44	-14
30% Exceedance	115	278	-187	-743	-1,318	-687	1,777	-729	-132	45	45	41
40% Exceedance	115	313	-95	-263	-1,025	-309	1,788	-514	84	45	45	65
50% Exceedance	115	313	-13	57	-447	2	837	-297	85	45	45	65
60% Exceedance	115	313	71	148	-52	332	646	36	85	45	45	65
70% Exceedance	115	313	146	175	70	572	498	85	85	45	45	65
80% Exceedance	115	313	155	175	175	739	203	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	50	129	-242	-358	-587	-3	927	-291	-80	160	1	-41
Wet Water Years (22%)	-76	-24	-256	-898	-1,147	-531	1,531	-342	-357	612	-112	-290
Above Normal Water Years (12%)	87	151	-581	-1,017	-1,216	-526	1,726	-847	-158	24	34	65
Below Normal Water Years (15%)	47	34	-476	-605	-1,230	-332	1,458	-575	-57	44	39	26
Dry Water Years (17%)	109	195	-256	61	-104	329	617	-181	54	42	42	59
Critical Water Years (34%)	91	231	13	123	40	503	174	9	50	25	25	4

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-17-10a. San Joaquin River Flow below Sack Dam, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	431	1,444	1,922	2,380	2,087	2,431	2,851	2,031	233	84	226
20% Exceedance	44	106	609	1,368	1,848	1,720	1,642	1,392	395	0	1	79
30% Exceedance	0	35	342	918	1,493	1,455	1,190	814	217	0	0	24
40% Exceedance	0	0	250	438	1,200	1,077	927	599	1	0	0	0
50% Exceedance	0	0	168	118	622	766	622	382	0	0	0	0
60% Exceedance	0	0	84	27	227	436	332	49	0	0	0	0
70% Exceedance	0	0	9	0	105	195	221	0	0	0	0	0
80% Exceedance	0	0	0	0	0	28	10	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	60	184	490	705	1,052	1,042	1,028	932	597	119	37	100
Wet Water Years (22%)	204	440	752	1,768	2,553	2,486	2,758	2,939	2,449	526	157	355
Above Normal Water Years (12%)	28	163	874	1,371	1,613	1,526	1,249	1,036	243	21	11	0
Below Normal Water Years (15%)	68	279	635	807	1,406	1,138	970	660	142	1	6	39
Dry Water Years (17%)	8	118	412	93	258	438	453	266	30	0	0	6
Critical Water Years (34%)	1	11	139	42	124	197	144	51	8	1	2	44

Table F.2.2-17-10b. San Joaquin River Flow below Sack Dam, NAA, 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

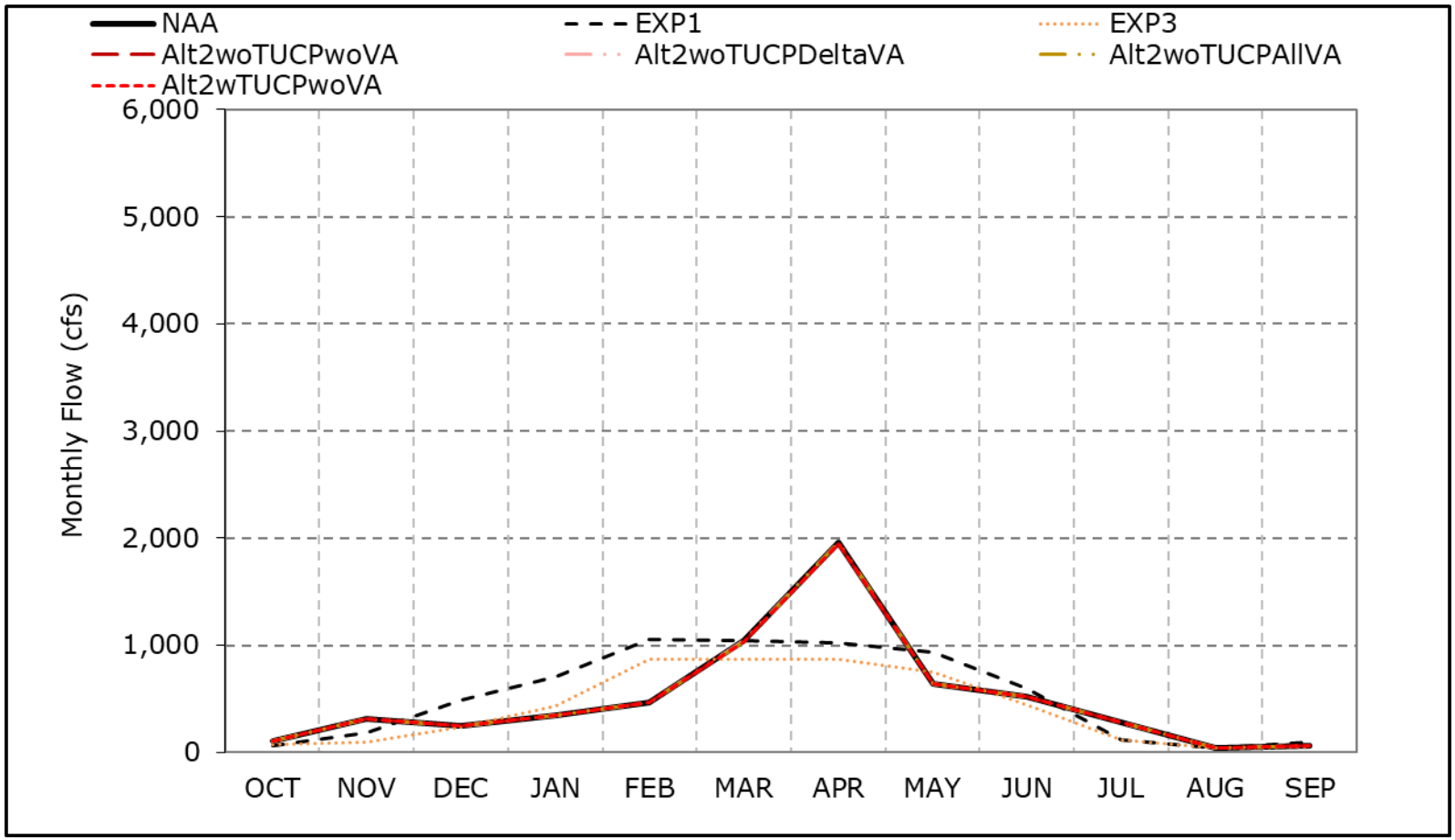
Table F.2.2-17-10c. San Joaquin River Flow below Sack Dam, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-118	-1,288	-1,742	-1,145	-581	2,014	-691	-215	824	-39	-161
20% Exceedance	71	208	-454	-1,193	-1,673	-851	1,472	-261	736	1,057	44	-14
30% Exceedance	115	278	-187	-743	-1,318	-687	1,777	-729	-132	45	45	41
40% Exceedance	115	313	-95	-263	-1,025	-309	1,788	-514	84	45	45	65
50% Exceedance	115	313	-13	57	-447	2	837	-297	85	45	45	65
60% Exceedance	115	313	71	148	-52	332	646	36	85	45	45	65
70% Exceedance	115	313	146	175	70	572	498	85	85	45	45	65
80% Exceedance	115	313	155	175	175	739	203	85	85	45	45	65
90% Exceedance	115	313	155	175	175	768	125	72	32	0	0	65
Full Simulation Period Average[a]	50	129	-242	-358	-589	-1	933	-287	-79	160	1	-41
Wet Water Years (22%)	-76	-24	-256	-896	-1,142	-523	1,560	-325	-354	612	-112	-290
Above Normal Water Years (12%)	87	151	-580	-1,016	-1,236	-528	1,726	-845	-158	24	34	65
Below Normal Water Years (15%)	47	34	-476	-605	-1,237	-332	1,458	-575	-57	44	39	26
Dry Water Years (17%)	109	195	-256	61	-104	329	617	-181	54	42	42	59
Critical Water Years (34%)	91	231	13	123	40	503	174	9	50	25	25	4

[a] Based on the 100-year simulation period.

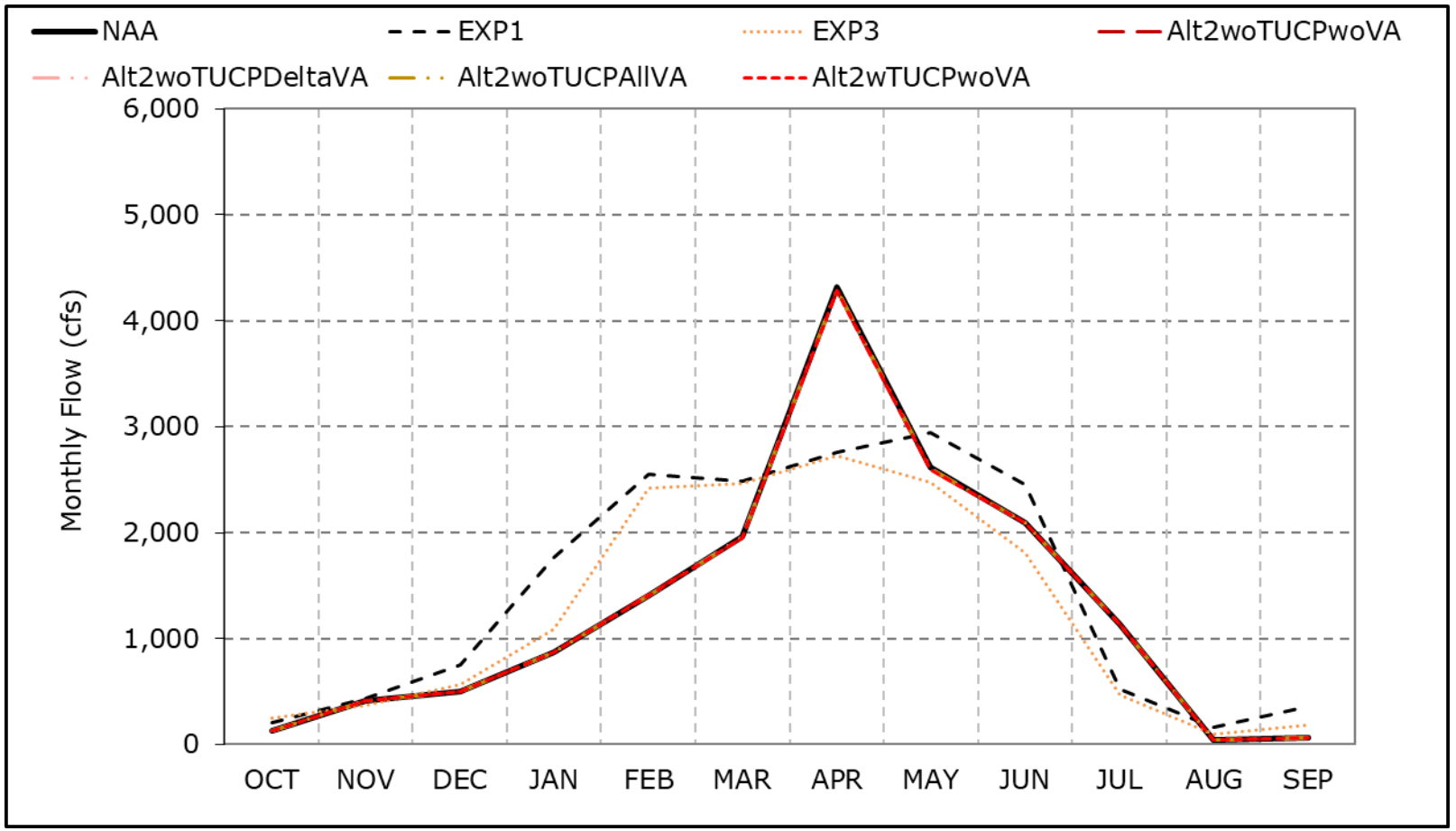
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-17-1. San Joaquin River Flow below Sack Dam, Long-Term Average Flow



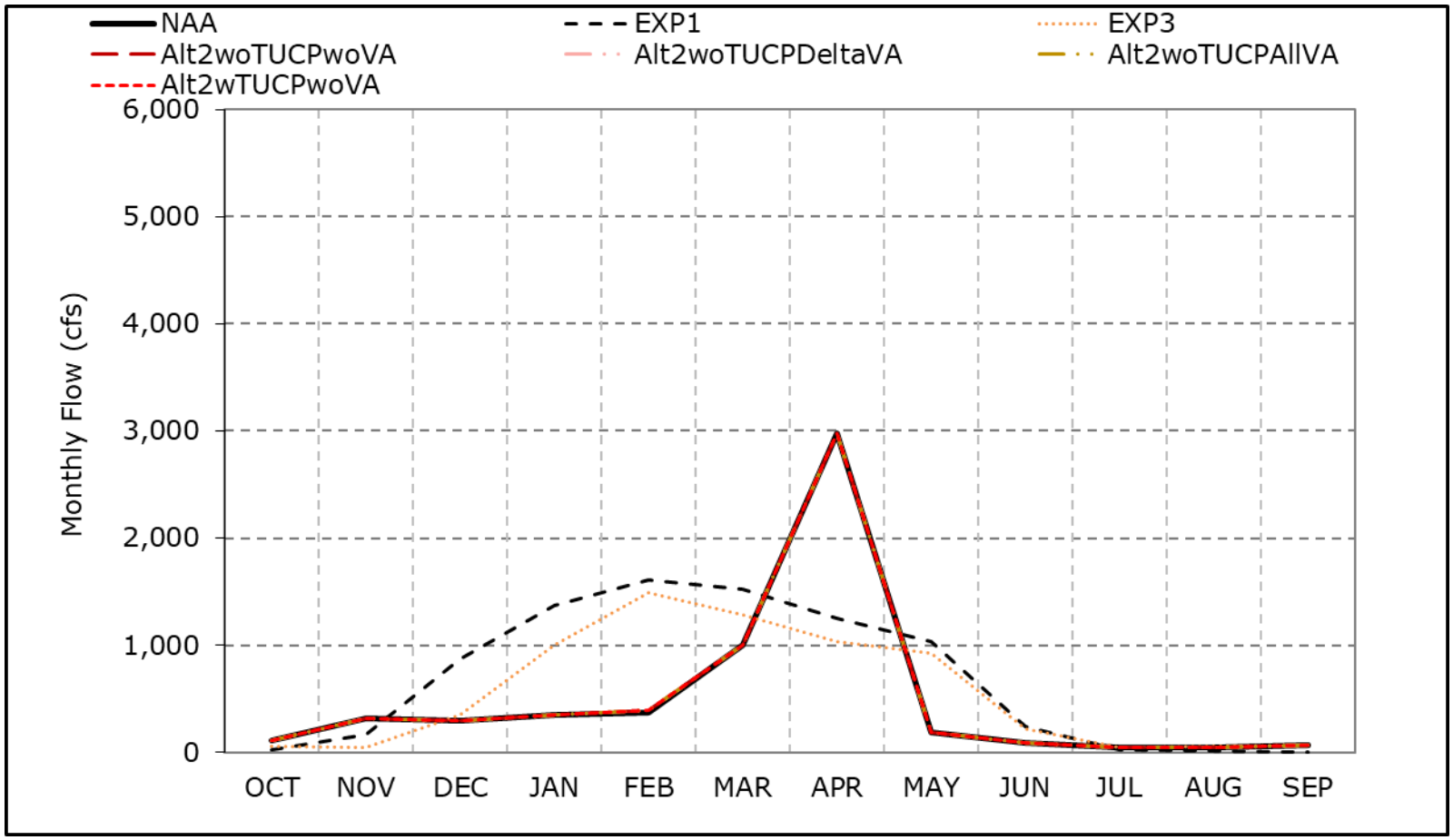
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-2. San Joaquin River Flow below Sack Dam, Wet Year Average Flow



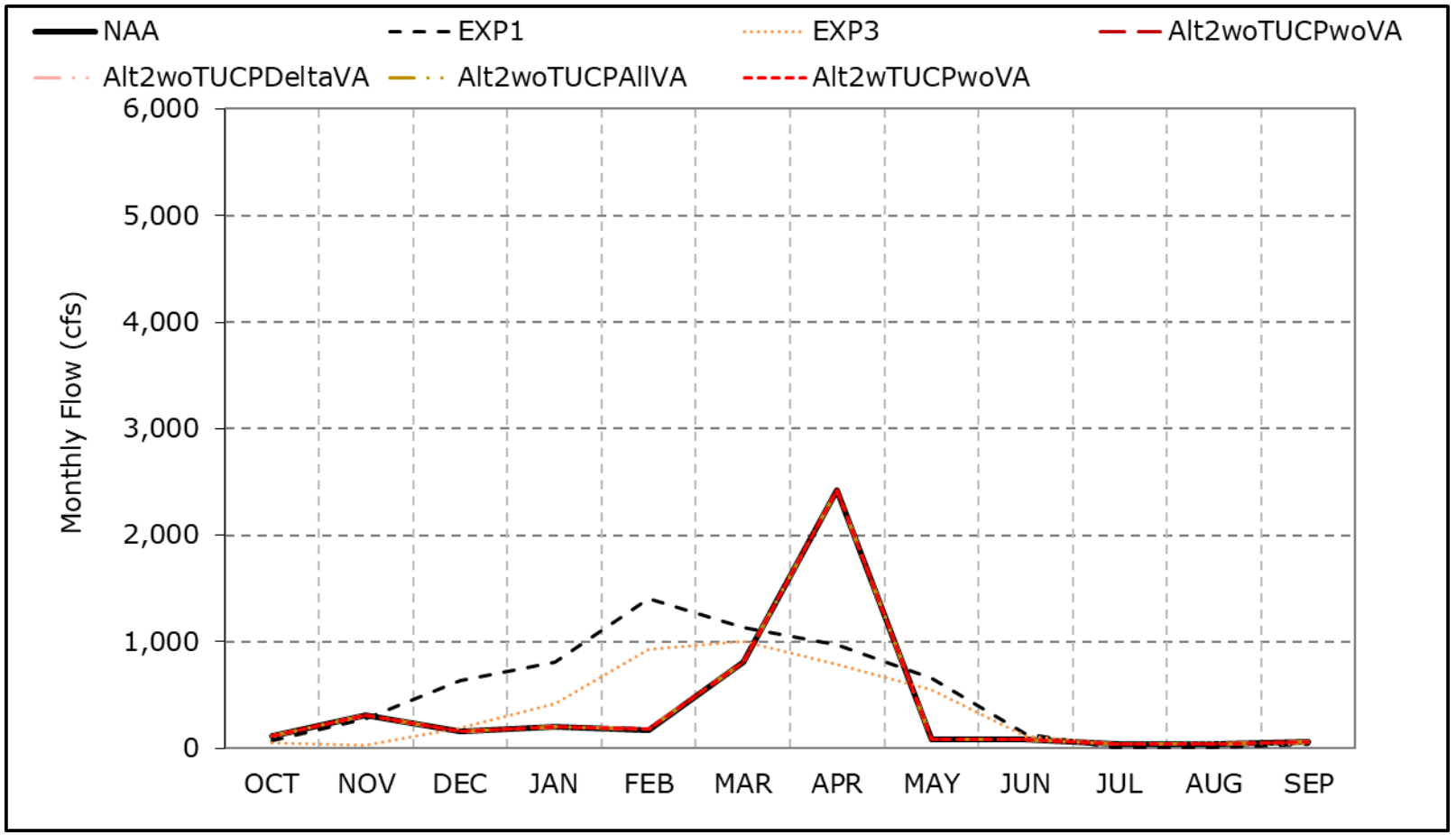
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-3. San Joaquin River Flow below Sack Dam, Above Normal Year Average Flow



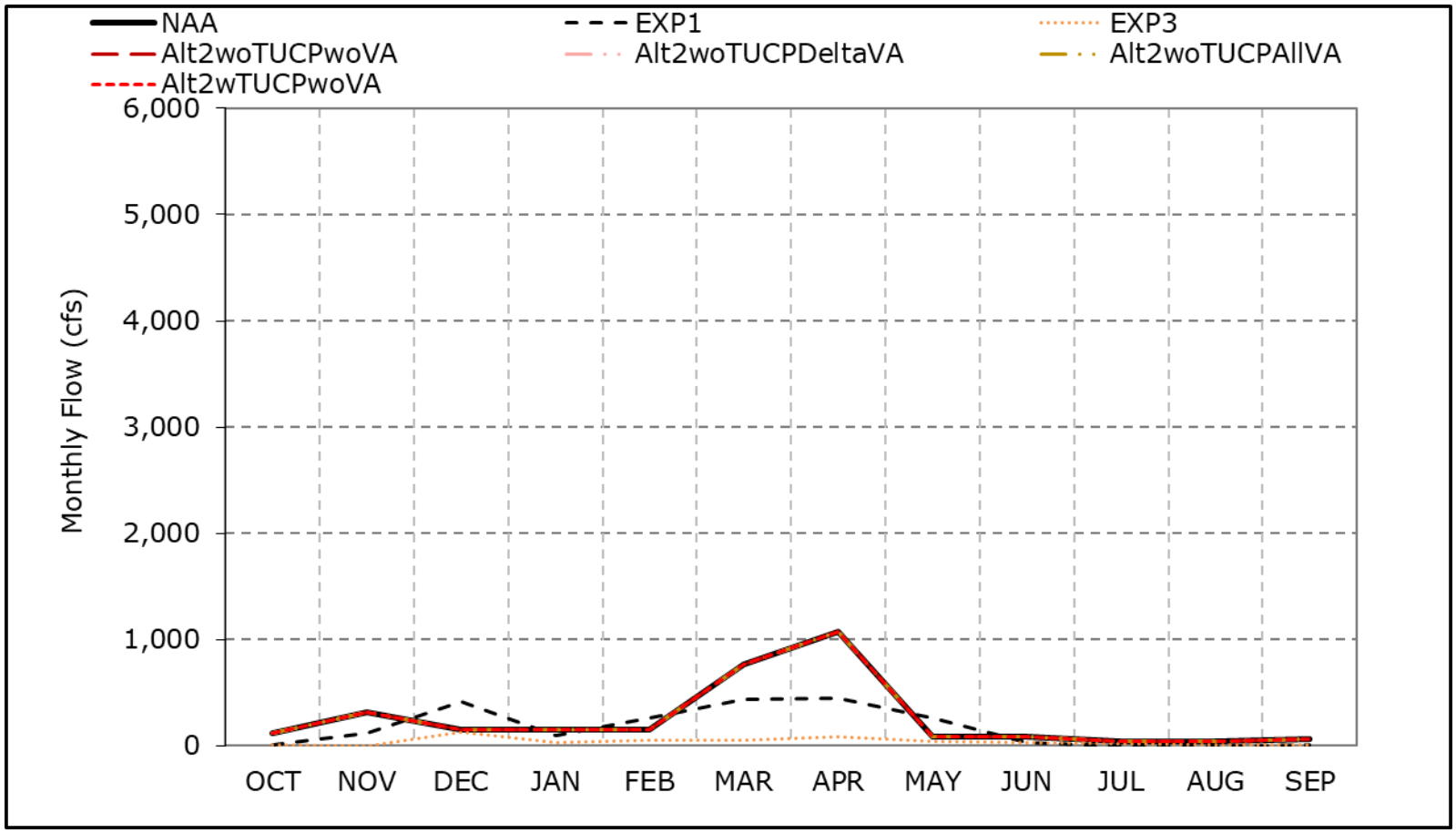
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-4. San Joaquin River Flow below Sack Dam, Below Normal Year Average Flow



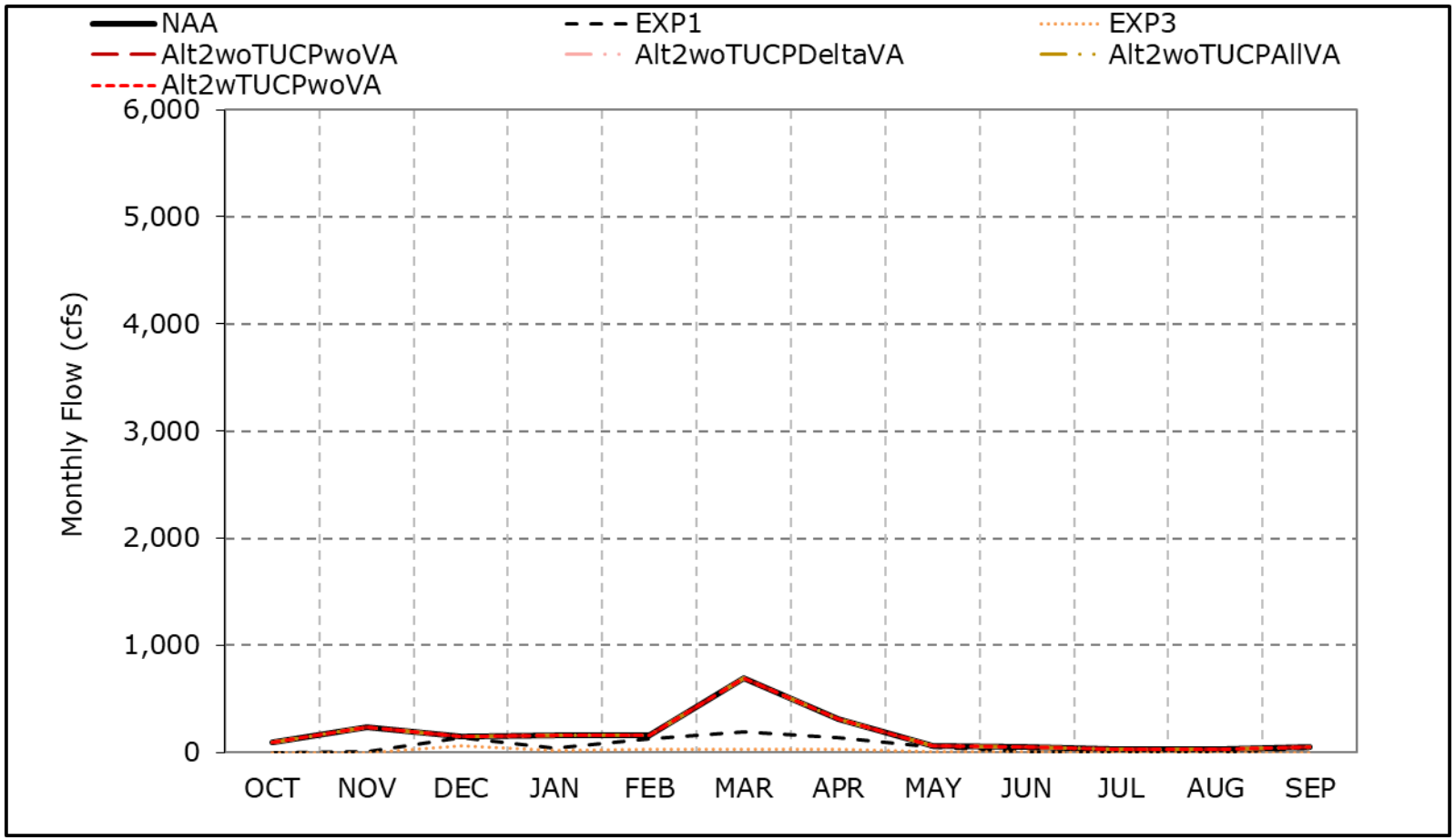
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-5. San Joaquin River Flow below Sack Dam, Dry Year Average Flow



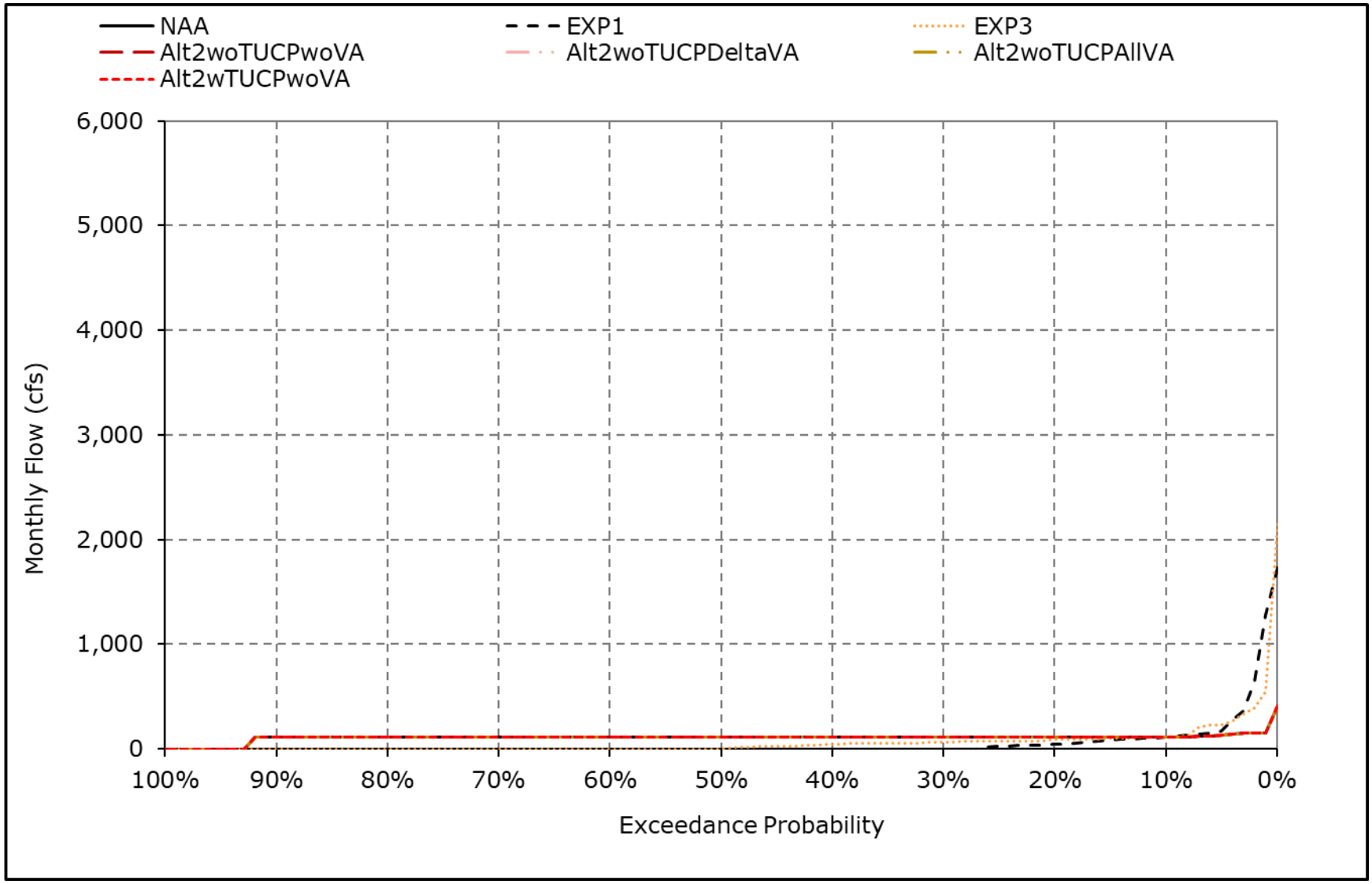
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-6. San Joaquin River Flow below Sack Dam, Critical Year Average Flow



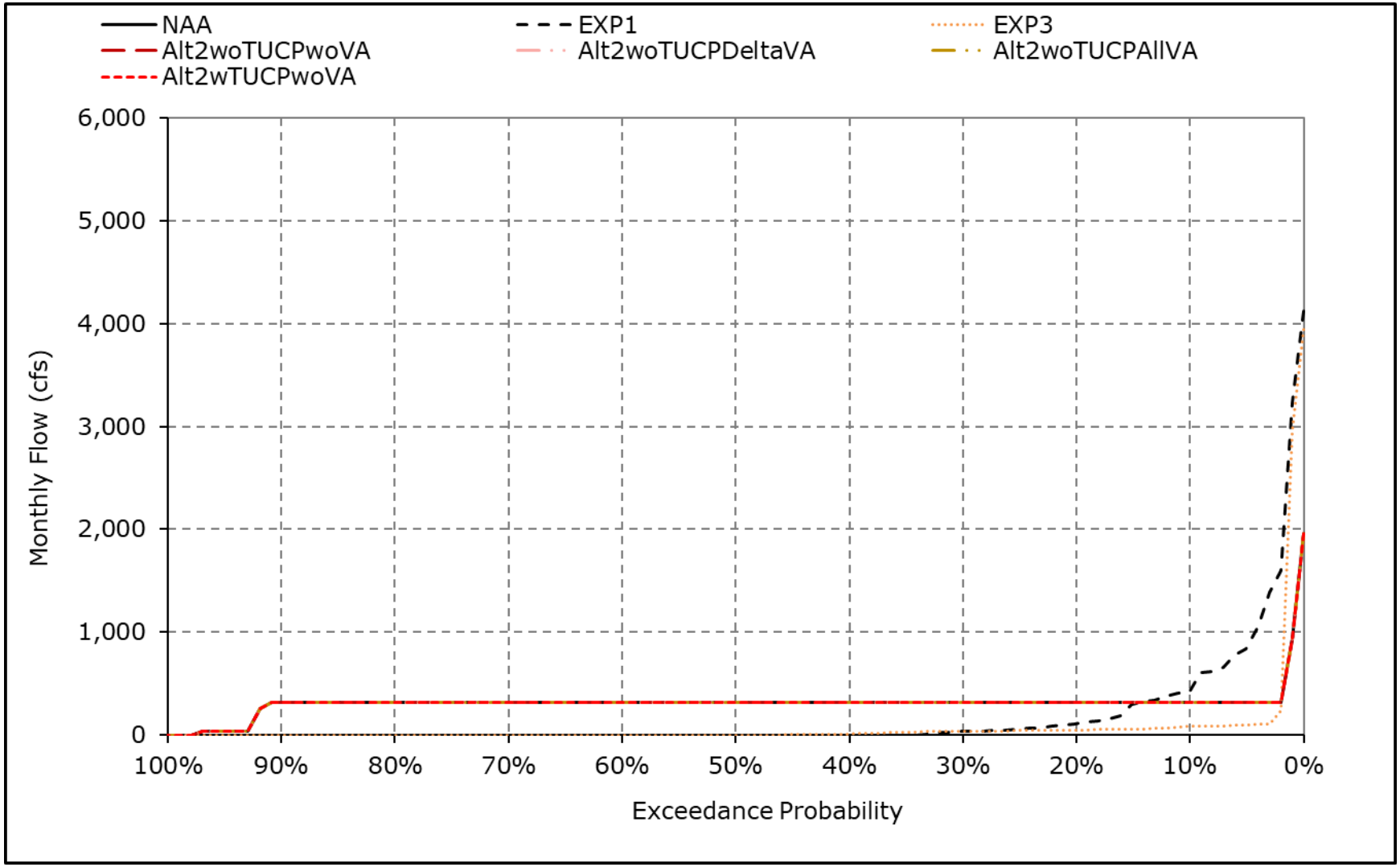
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-7. San Joaquin River Flow below Sack Dam, October



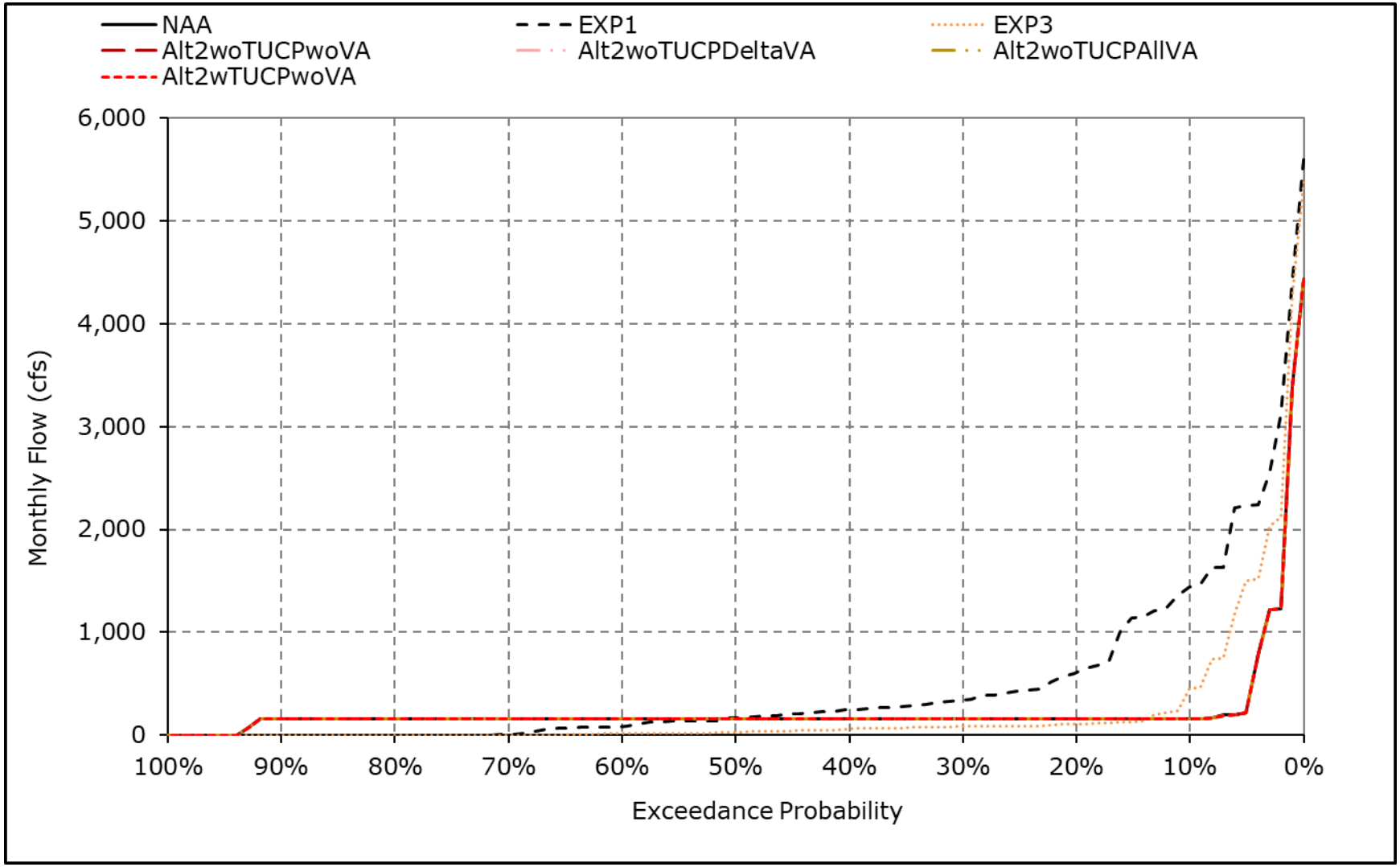
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-8. San Joaquin River Flow below Sack Dam, November



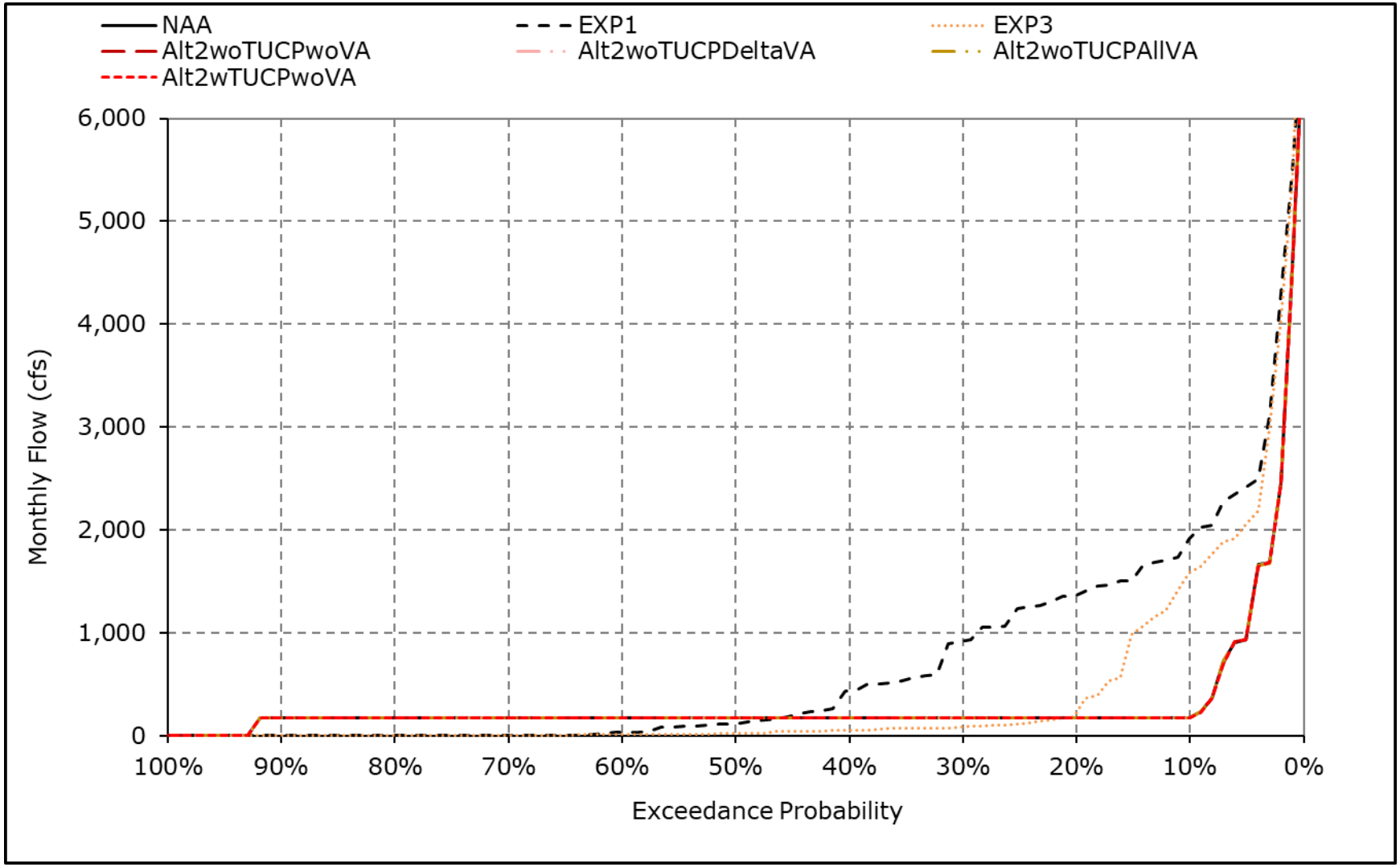
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-9. San Joaquin River Flow below Sack Dam, December



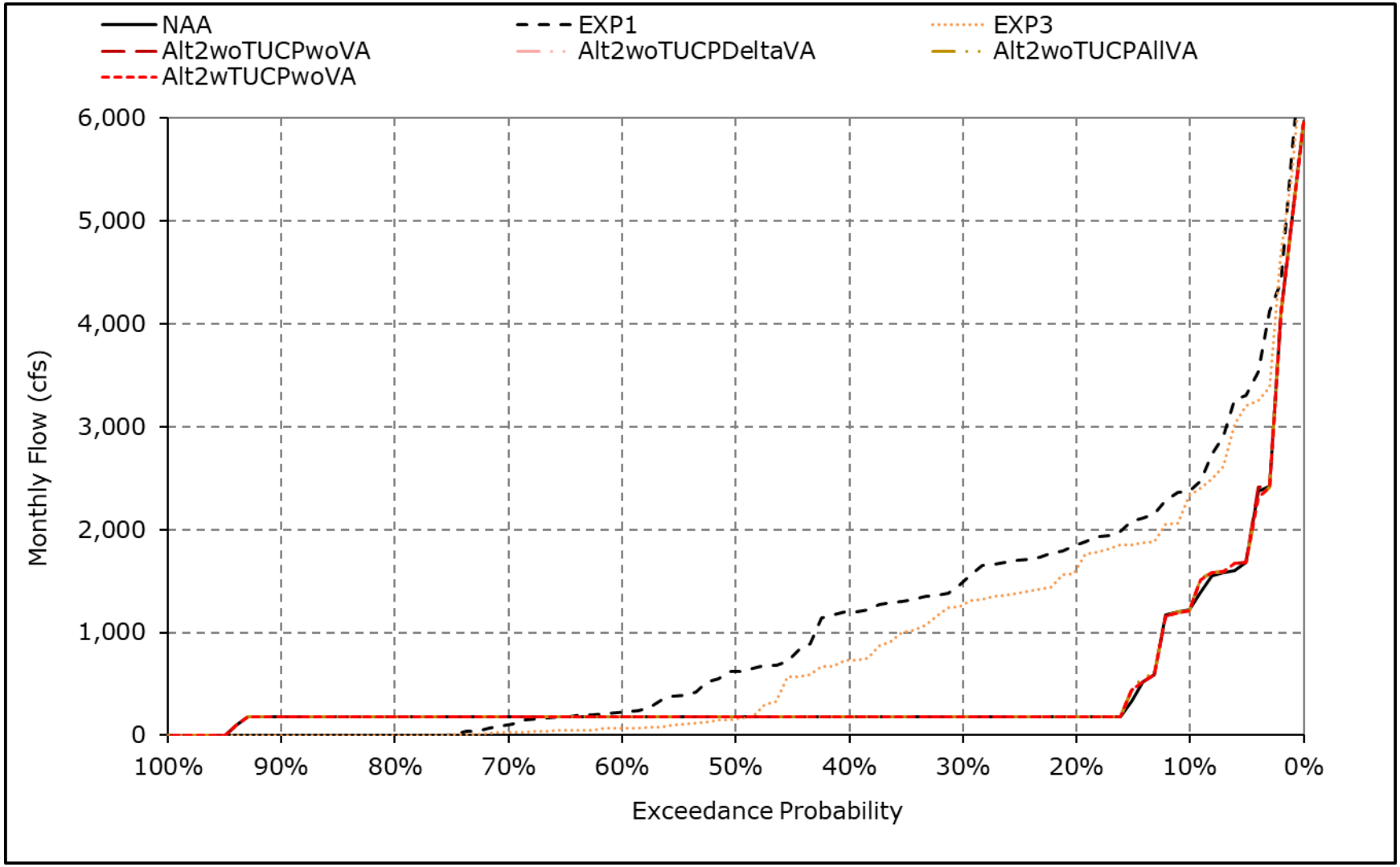
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-10. San Joaquin River Flow below Sack Dam, January



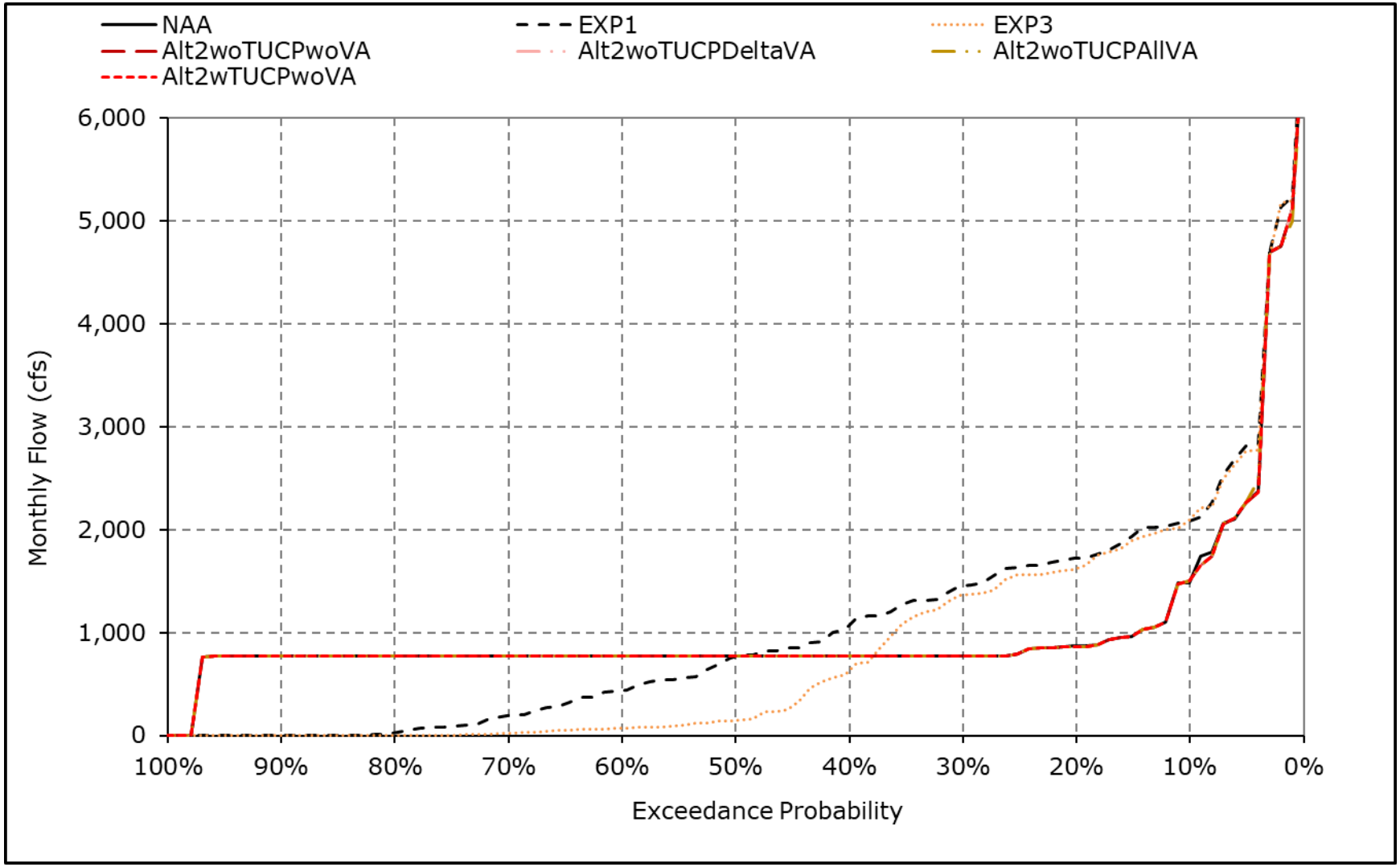
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-11. San Joaquin River Flow below Sack Dam, February



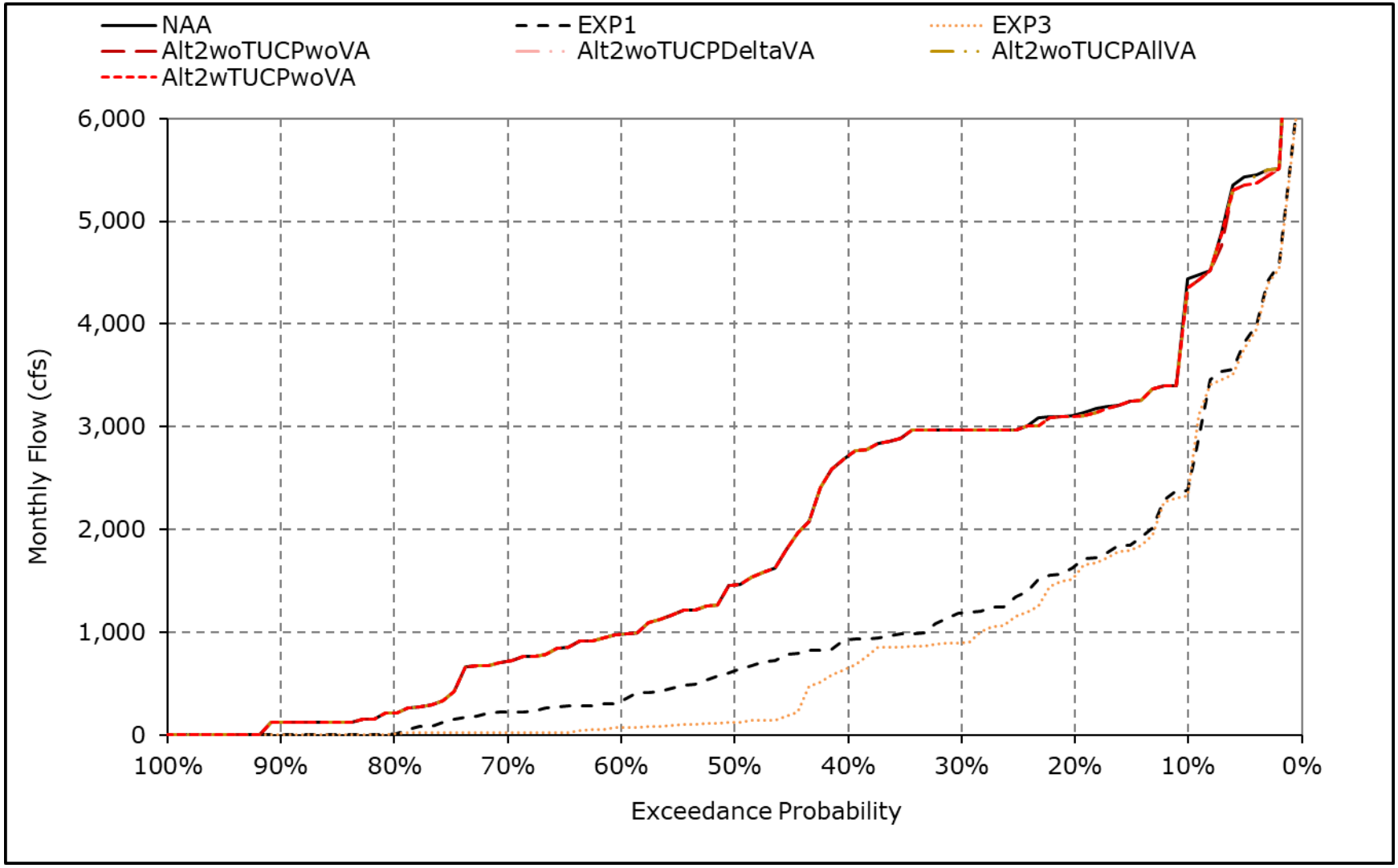
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-12. San Joaquin River Flow below Sack Dam, March



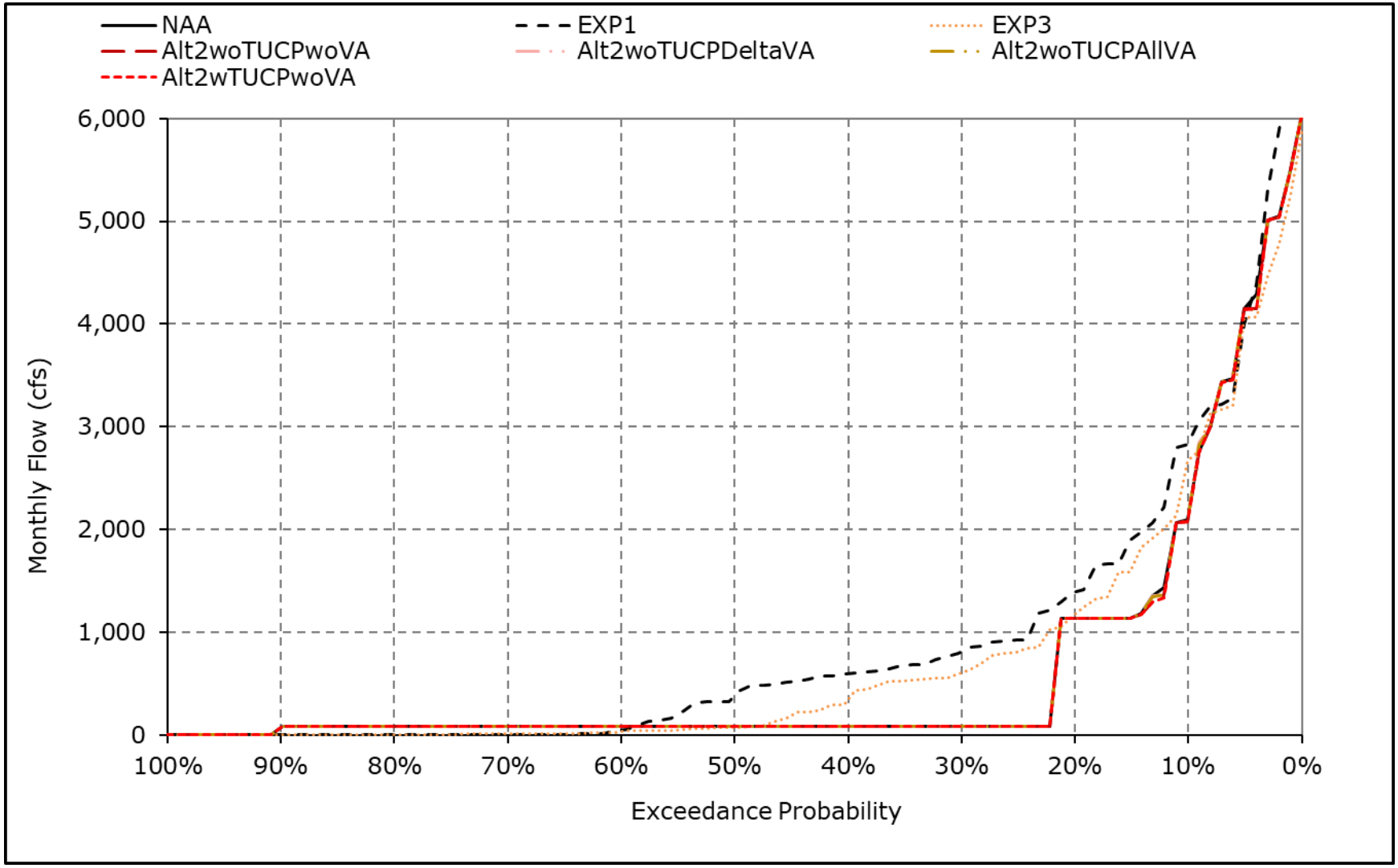
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-13. San Joaquin River Flow below Sack Dam, April



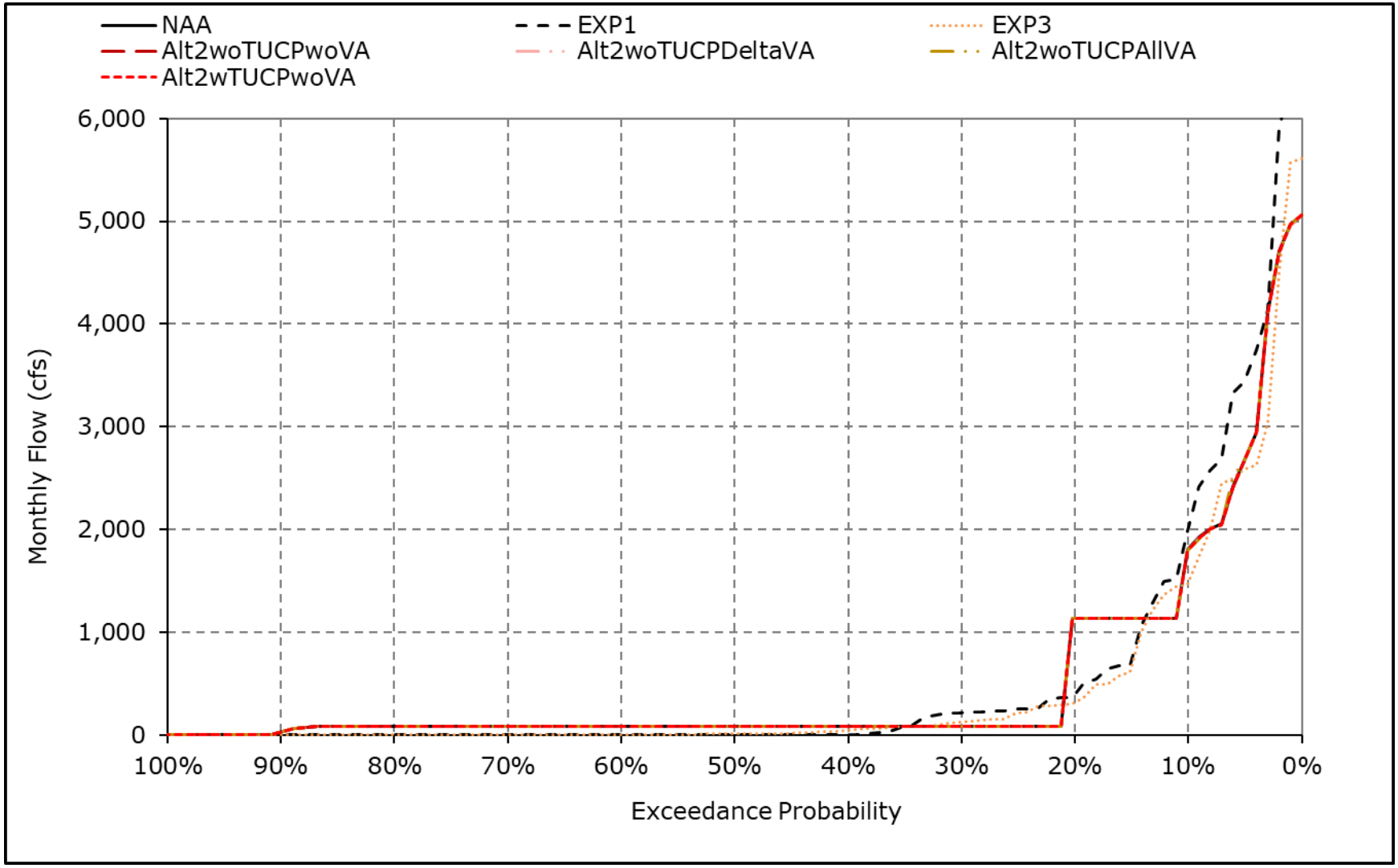
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-14. San Joaquin River Flow below Sack Dam, May



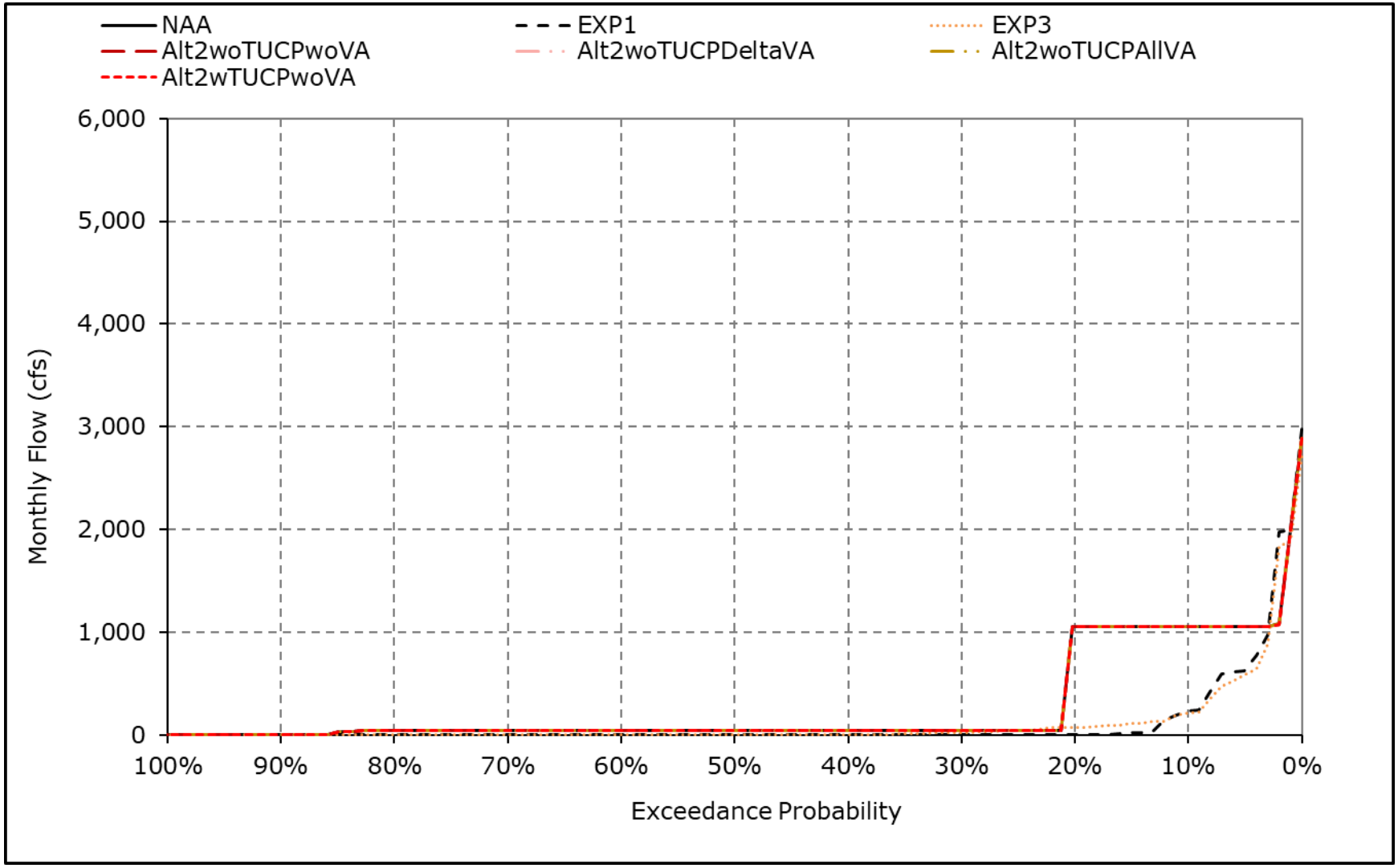
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-15. San Joaquin River Flow below Sack Dam, June



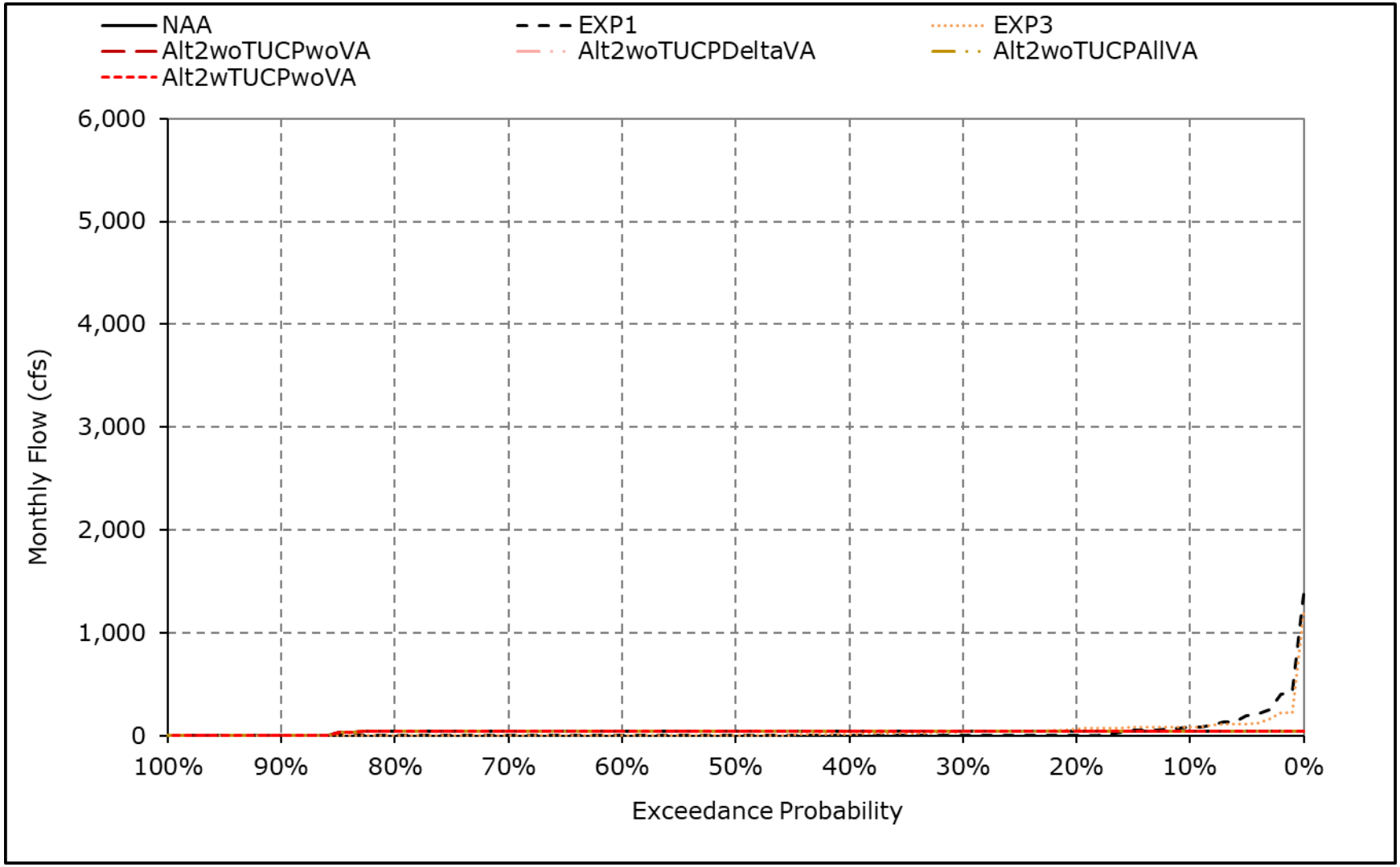
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-16. San Joaquin River Flow below Sack Dam, July



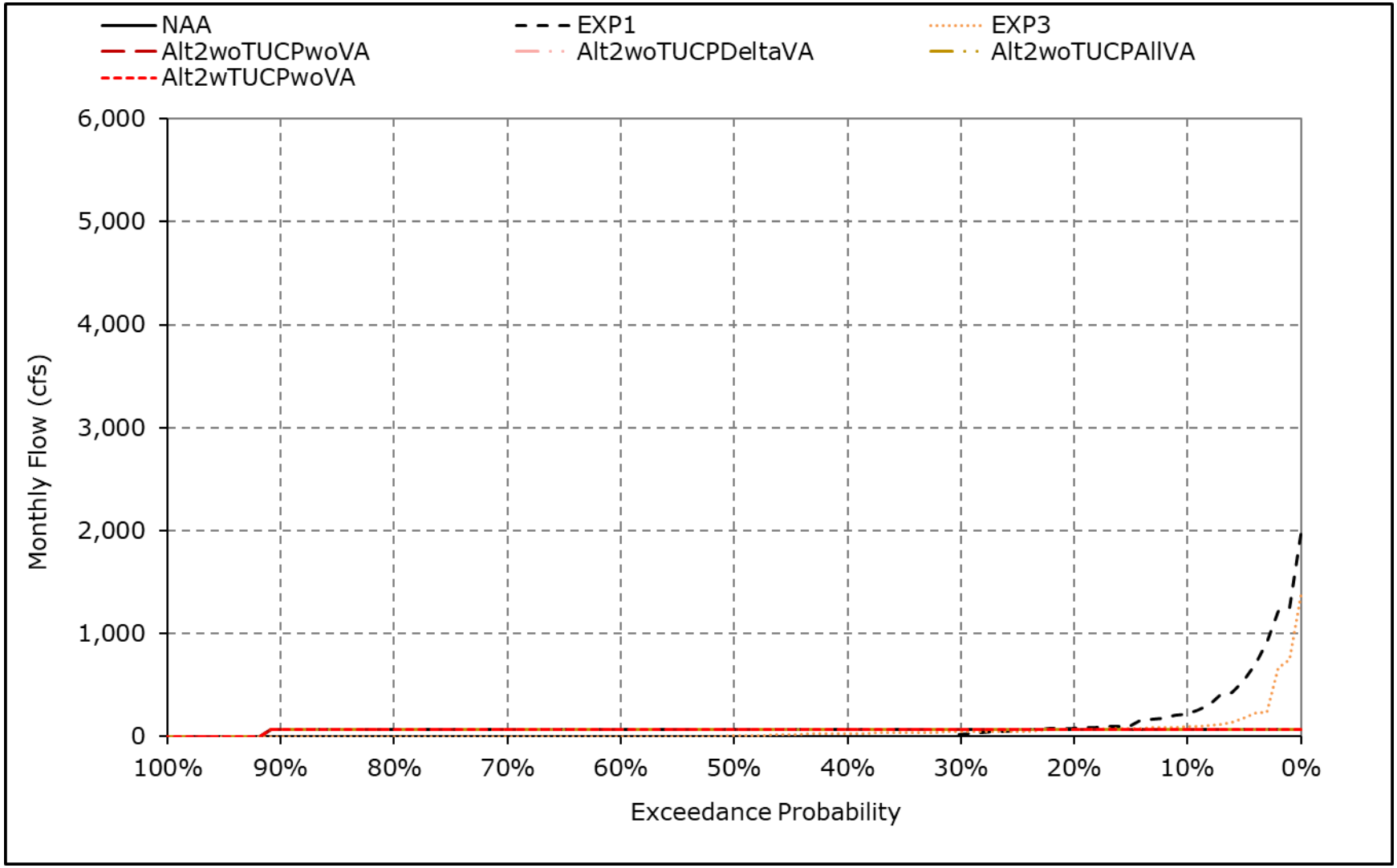
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-17. San Joaquin River Flow below Sack Dam, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-17-18. San Joaquin River Flow below Sack Dam, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-18-1a. San Joaquin River Flow below confluence with Merced , NAA, 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

Table F.2.2-18-1b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,980	1,589	2,516	3,967	9,126	7,129	7,703	4,567	3,773	2,014	1,140	982
20% Exceedance	1,487	1,342	1,438	2,809	3,937	3,976	5,003	2,775	2,031	1,549	936	896
30% Exceedance	1,046	1,270	1,215	2,000	2,906	3,067	4,203	1,394	1,053	761	717	761
40% Exceedance	930	1,173	985	1,551	2,068	2,292	3,788	1,033	904	680	677	742
50% Exceedance	894	1,098	883	1,240	1,446	2,170	2,376	851	823	628	644	725
60% Exceedance	871	1,033	849	1,092	1,331	2,063	1,920	776	790	576	630	710
70% Exceedance	845	969	810	1,027	1,151	1,948	1,673	719	746	550	616	695
80% Exceedance	824	947	752	955	1,060	1,910	1,444	651	704	521	596	674
90% Exceedance	773	882	713	905	1,025	1,854	1,406	601	624	449	539	612
Full Simulation Period Average[a]	1,135	1,240	1,534	2,525	3,413	3,497	3,612	2,083	1,697	942	749	774
Wet Water Years (22%)	1,866	1,675	2,075	6,130	8,108	7,601	7,722	6,038	4,743	2,143	1,170	1,023
Above Normal Water Years (12%)	1,169	1,263	2,519	2,700	4,192	3,434	4,335	1,825	1,160	789	717	750
Below Normal Water Years (15%)	999	1,224	1,358	2,017	3,303	2,695	3,639	1,243	989	703	686	733
Dry Water Years (17%)	907	1,124	1,178	1,141	1,252	2,090	2,001	790	791	597	632	707
Critical Water Years (34%)	813	1,009	1,048	1,048	1,230	1,921	1,493	632	679	497	574	671

Table F.2.2-18-1c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	-1	-4	-1	8	-10	-40	-106	-6	-2	-1	-2
20% Exceedance	3	-1	-2	-2	-4	-2	-1	-2	-1	-1	-2	-8
30% Exceedance	-1	-1	-1	-2	-3	-2	-1	-1	-1	-2	4	-3
40% Exceedance	-1	-1	-7	-2	-2	-3	0	-2	-1	-1	-3	-1
50% Exceedance	-3	-2	-1	-2	-4	-2	-2	-3	-2	-2	-3	-4
60% Exceedance	-1	-1	-2	-2	-2	-3	-1	-1	2	-2	0	1
70% Exceedance	-2	-2	-1	0	-3	-1	-2	-2	-4	0	0	0
80% Exceedance	-2	-2	-1	-2	-2	-2	-3	-1	-1	-4	-2	-2
90% Exceedance	-2	-1	-5	-3	-2	0	-1	-1	-4	-2	-2	-2
Full Simulation Period Average[a]	-2	-2	-2	-2	0	-3	-7	-5	-3	-2	-1	-2
Wet Water Years (22%)	-2	-2	-2	-4	-3	-10	-28	-18	-7	-5	-2	-2
Above Normal Water Years (12%)	-1	-1	-3	-2	15	2	-1	-1	-2	-1	0	0
Below Normal Water Years (15%)	-1	-1	-1	-2	3	-1	-1	-1	-1	-2	-2	-3
Dry Water Years (17%)	-2	-2	-2	-2	-3	-2	-2	-2	-2	-1	-1	0
Critical Water Years (34%)	-2	-3	-3	-2	-3	-2	0	-2	-2	0	-1	-3

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types 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.

Table F.2.2-18-2a. San Joaquin River Flow below confluence with Merced , NAA, 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

Table F.2.2-18-2b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,977	1,590	2,515	3,967	9,127	7,125	7,699	4,742	3,772	2,014	1,139	982
20% Exceedance	1,487	1,342	1,437	2,809	3,937	3,976	5,035	2,775	2,030	1,548	936	895
30% Exceedance	1,045	1,270	1,214	2,000	2,908	3,067	4,209	1,394	1,053	761	713	761
40% Exceedance	930	1,172	985	1,550	2,067	2,292	3,802	1,033	904	680	675	742
50% Exceedance	893	1,095	883	1,239	1,447	2,170	2,375	854	823	628	643	727
60% Exceedance	871	1,033	849	1,092	1,330	2,064	1,984	776	790	576	629	712
70% Exceedance	846	968	808	1,026	1,150	1,947	1,679	719	746	545	615	695
80% Exceedance	824	947	752	955	1,060	1,910	1,462	650	703	517	596	674
90% Exceedance	773	882	713	905	1,025	1,854	1,406	600	624	449	539	612
Full Simulation Period Average[a]	1,135	1,240	1,533	2,526	3,412	3,496	3,631	2,090	1,697	942	748	774
Wet Water Years (22%)	1,865	1,674	2,074	6,130	8,103	7,599	7,730	6,044	4,747	2,143	1,169	1,023
Above Normal Water Years (12%)	1,169	1,263	2,519	2,701	4,193	3,434	4,367	1,866	1,159	789	716	750
Below Normal Water Years (15%)	998	1,224	1,358	2,019	3,303	2,695	3,667	1,250	989	702	686	733
Dry Water Years (17%)	907	1,124	1,178	1,140	1,252	2,090	2,030	790	791	596	631	710
Critical Water Years (34%)	813	1,009	1,047	1,047	1,230	1,920	1,505	632	679	496	574	671

Table F.2.2-18-2c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-9	-1	-5	-2	9	-13	-44	69	-7	-3	-2	-2
20% Exceedance	3	-2	-3	-3	-4	-2	30	-2	-1	-2	-2	-8
30% Exceedance	-1	-1	-2	-2	-2	-2	5	-1	-2	-2	0	-3
40% Exceedance	-1	-1	-7	-2	-2	-3	13	-2	-1	-2	-5	-1
50% Exceedance	-4	-5	-1	-2	-4	-2	-2	0	-1	-2	-4	-1
60% Exceedance	-1	-1	-2	-2	-2	-3	63	-1	2	-2	-1	3
70% Exceedance	-1	-3	-3	0	-3	-2	4	-2	-4	-5	-1	0
80% Exceedance	-2	-2	-1	-3	-2	-2	15	-2	-2	-8	-2	-2
90% Exceedance	-2	-1	-4	-3	-3	1	-2	-2	-4	-3	-2	-2
Full Simulation Period Average[a]	-2	-2	-3	-2	-1	-4	12	2	-2	-2	-2	-2
Wet Water Years (22%)	-2	-3	-2	-4	-8	-12	-20	-11	-4	-5	-3	-2
Above Normal Water Years (12%)	-1	-1	-3	-1	15	2	31	40	-3	-1	-1	-1
Below Normal Water Years (15%)	-1	-1	-2	0	3	-1	28	6	-1	-2	-2	-3
Dry Water Years (17%)	-2	-3	-2	-3	-3	-2	27	-1	-2	-2	-2	2
Critical Water Years (34%)	-2	-3	-3	-2	-3	-2	12	-2	-2	-1	-1	-3

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types 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.

Table F.2.2-18-3a. San Joaquin River Flow below confluence with Merced , NAA, 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

Table F.2.2-18-3b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,980	1,589	2,517	3,967	9,141	7,127	7,706	4,654	3,773	2,014	1,140	982
20% Exceedance	1,487	1,342	1,438	2,809	3,938	3,976	5,073	2,776	2,031	1,665	949	896
30% Exceedance	1,046	1,270	1,215	2,000	2,908	3,067	4,209	1,394	1,054	955	724	766
40% Exceedance	936	1,173	985	1,600	2,068	2,292	3,802	1,033	904	777	689	748
50% Exceedance	895	1,096	885	1,243	1,447	2,170	2,376	854	823	690	656	730
60% Exceedance	872	1,033	849	1,092	1,331	2,071	1,990	781	790	637	633	718
70% Exceedance	846	969	809	1,027	1,151	1,955	1,673	719	748	598	621	700
80% Exceedance	824	950	753	955	1,063	1,911	1,462	651	704	522	597	676
90% Exceedance	772	882	713	906	1,026	1,855	1,407	600	623	450	543	614
Full Simulation Period Average[a]	1,135	1,241	1,535	2,535	3,417	3,499	3,633	2,089	1,698	997	754	777
Wet Water Years (22%)	1,866	1,675	2,075	6,165	8,100	7,598	7,734	6,050	4,748	2,179	1,173	1,025
Above Normal Water Years (12%)	1,169	1,263	2,520	2,701	4,228	3,436	4,371	1,840	1,161	885	720	750
Below Normal Water Years (15%)	999	1,224	1,358	2,019	3,303	2,698	3,669	1,251	989	831	700	739
Dry Water Years (17%)	908	1,124	1,183	1,149	1,257	2,098	2,031	792	791	665	639	715
Critical Water Years (34%)	814	1,010	1,048	1,048	1,230	1,923	1,505	632	680	510	576	674

Table F.2.2-18-3c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-1	-4	-1	23	-12	-38	-19	-6	-2	-1	-2
20% Exceedance	3	-1	-2	-2	-3	-2	68	-1	-1	115	11	-8
30% Exceedance	-1	-1	-1	-2	-1	-2	5	-1	-1	192	11	1
40% Exceedance	5	-1	-7	47	-1	-3	13	-1	-1	95	10	5
50% Exceedance	-2	-5	1	1	-3	-2	-2	0	-1	60	8	1
60% Exceedance	-1	-1	-2	-2	-2	4	69	3	2	59	2	9
70% Exceedance	-1	-2	-2	1	-3	6	-2	-2	-2	48	4	5
80% Exceedance	-1	0	-1	-2	0	-1	15	-2	-1	-3	-1	0
90% Exceedance	-2	-1	-4	-2	-1	1	-1	-2	-5	-2	1	0
Full Simulation Period Average[a]	-1	-2	-1	7	4	-1	14	1	-2	53	4	2
Wet Water Years (22%)	-2	-2	-2	31	-12	-13	-16	-5	-3	31	1	-1
Above Normal Water Years (12%)	-1	-1	-2	-1	51	3	35	14	-1	95	3	-1
Below Normal Water Years (15%)	-1	-1	-1	0	3	3	29	7	0	126	11	3
Dry Water Years (17%)	-1	-2	3	7	1	6	28	0	-2	67	6	8
Critical Water Years (34%)	-1	-2	-2	-2	-2	0	12	-2	-2	13	1	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types 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.

Table F.2.2-18-4a. San Joaquin River Flow below confluence with Merced , NAA, 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

Table F.2.2-18-4b. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,590	2,518	3,968	9,129	7,129	7,704	4,567	3,775	2,014	1,140	982
20% Exceedance	1,487	1,343	1,438	2,809	3,936	3,977	5,005	2,776	2,031	1,548	936	896
30% Exceedance	1,046	1,271	1,215	2,001	2,909	3,067	4,204	1,395	1,054	762	717	763
40% Exceedance	930	1,173	986	1,551	2,068	2,292	3,788	1,033	904	681	677	743
50% Exceedance	894	1,098	883	1,240	1,447	2,170	2,376	851	823	629	644	725
60% Exceedance	872	1,033	849	1,092	1,331	2,065	1,920	777	789	577	631	710
70% Exceedance	846	969	811	1,026	1,151	1,948	1,674	719	747	551	617	695
80% Exceedance	824	948	752	956	1,061	1,910	1,445	651	704	515	597	675
90% Exceedance	773	882	713	906	1,025	1,853	1,407	601	625	450	540	613
Full Simulation Period Average[a]	1,135	1,241	1,534	2,526	3,413	3,497	3,614	2,083	1,697	941	749	774
Wet Water Years (22%)	1,866	1,675	2,075	6,130	8,103	7,601	7,727	6,039	4,744	2,144	1,170	1,024
Above Normal Water Years (12%)	1,169	1,263	2,520	2,701	4,193	3,435	4,336	1,824	1,161	789	718	749
Below Normal Water Years (15%)	999	1,224	1,358	2,018	3,304	2,695	3,639	1,244	989	703	687	735
Dry Water Years (17%)	907	1,125	1,178	1,141	1,253	2,091	2,001	790	791	598	632	708
Critical Water Years (34%)	814	1,010	1,048	1,048	1,230	1,921	1,493	632	680	494	573	672

Table F.2.2-18-4c. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	0	-2	-1	12	-10	-39	-106	-4	-2	-1	-2
20% Exceedance	3	0	-1	-2	-5	-1	0	-1	0	-2	-2	-8
30% Exceedance	-1	0	-1	-1	-1	-2	0	0	-1	-1	4	-2
40% Exceedance	-1	-1	-6	-2	-1	-3	-1	-1	0	-1	-3	0
50% Exceedance	-3	-2	-1	-2	-4	-2	-2	-3	-2	-1	-4	-3
60% Exceedance	0	-1	-2	-2	-1	-2	-1	-1	1	-1	0	0
70% Exceedance	-1	-2	0	0	-2	-1	-1	-2	-3	1	0	0
80% Exceedance	-1	-2	-1	-2	-1	-2	-2	-1	-1	-10	-1	-2
90% Exceedance	-2	-1	-4	-3	-2	-1	-1	-1	-3	-2	-2	-1
Full Simulation Period Average[a]	-1	-2	-2	-2	-1	-3	-6	-5	-2	-3	-1	-1
Wet Water Years (22%)	-2	-1	-1	-4	-8	-10	-23	-17	-7	-4	-2	-2
Above Normal Water Years (12%)	0	-1	-2	-1	16	2	0	-2	-1	0	1	-1
Below Normal Water Years (15%)	0	-1	-1	-2	3	0	-1	-1	0	-2	-1	-1
Dry Water Years (17%)	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	0
Critical Water Years (34%)	-2	-2	-3	-2	-2	-2	0	-1	-2	-3	-2	-2

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types 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.

Table F.2.2-18-5a. San Joaquin River Flow below confluence with Merced , NAA, 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

Table F.2.2-18-5b. San Joaquin River Flow below confluence with Merced , EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,788	1,288	2,698	4,831	10,141	7,977	8,666	7,075	5,627	1,550	860	788
20% Exceedance	1,373	1,035	1,239	3,020	5,206	5,437	4,399	4,641	2,256	938	688	690
30% Exceedance	924	961	976	1,823	3,864	3,552	2,467	1,549	1,045	617	540	603
40% Exceedance	780	855	796	1,337	2,684	2,282	1,906	1,086	796	489	493	568
50% Exceedance	738	825	680	1,010	1,297	1,664	1,389	558	579	382	453	550
60% Exceedance	709	761	638	864	1,103	1,440	1,198	514	492	301	400	531
70% Exceedance	676	724	609	796	922	1,355	1,139	484	465	274	383	512
80% Exceedance	656	681	548	725	841	1,270	1,103	439	440	237	367	486
90% Exceedance	644	659	498	658	795	1,220	1,068	411	401	222	345	461
Full Simulation Period Average[a]	1,028	1,024	1,367	2,418	3,825	3,580	3,133	2,388	1,947	785	552	649
Wet Water Years (22%)	1,904	1,652	1,964	5,915	9,853	9,011	8,410	7,426	6,411	2,218	964	1,041
Above Normal Water Years (12%)	1,047	968	2,368	3,072	5,015	3,966	2,912	2,641	1,322	634	558	602
Below Normal Water Years (15%)	865	940	1,241	2,104	3,578	2,778	2,306	1,332	942	522	521	592
Dry Water Years (17%)	721	815	1,015	916	1,051	1,499	1,223	507	491	315	405	509
Critical Water Years (34%)	668	775	814	815	1,001	1,324	1,117	447	450	261	371	506

Table F.2.2-18-5c. San Joaquin River Flow below confluence with Merced , EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-199	-302	178	862	1,023	838	923	2,402	1,848	-466	-281	-196
20% Exceedance	-111	-308	-201	209	1,265	1,459	-606	1,865	225	-612	-250	-214
30% Exceedance	-123	-311	-240	-178	954	483	-1,737	154	-9	-146	-172	-161
40% Exceedance	-151	-319	-196	-216	615	-13	-1,882	51	-109	-193	-187	-176
50% Exceedance	-159	-276	-204	-231	-154	-507	-989	-296	-245	-248	-195	-178
60% Exceedance	-163	-273	-212	-230	-229	-626	-723	-264	-296	-277	-230	-179
70% Exceedance	-170	-247	-202	-230	-232	-594	-536	-238	-285	-276	-233	-183
80% Exceedance	-170	-269	-206	-232	-221	-642	-344	-214	-266	-288	-231	-190
90% Exceedance	-131	-224	-219	-251	-232	-634	-340	-191	-227	-230	-196	-153
Full Simulation Period Average[a]	-109	-218	-169	-110	412	80	-486	301	247	-159	-198	-127
Wet Water Years (22%)	37	-25	-113	-219	1,742	1,400	660	1,371	1,660	70	-208	15
Above Normal Water Years (12%)	-123	-296	-154	370	838	533	-1,423	816	160	-156	-159	-148
Below Normal Water Years (15%)	-135	-285	-119	84	277	82	-1,334	88	-48	-183	-167	-144
Dry Water Years (17%)	-188	-311	-165	-227	-204	-593	-780	-284	-302	-283	-229	-199
Critical Water Years (34%)	-147	-237	-236	-235	-231	-599	-377	-187	-232	-236	-203	-168

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-18-6a. San Joaquin River Flow below confluence with Merced , EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,685	1,382	3,431	5,623	10,924	8,112	8,393	9,143	7,977	1,623	884	824
20% Exceedance	1,314	1,009	1,338	4,026	5,485	5,730	4,937	5,174	4,269	972	618	616
30% Exceedance	880	879	991	2,190	3,850	3,958	3,711	2,397	1,164	581	496	545
40% Exceedance	734	816	805	1,413	2,925	2,442	2,376	1,537	828	430	450	528
50% Exceedance	699	763	681	1,021	1,440	2,029	1,941	793	576	334	407	505
60% Exceedance	679	729	592	847	1,109	1,607	1,248	484	461	272	382	494
70% Exceedance	654	688	557	744	911	1,382	1,100	436	425	240	353	480
80% Exceedance	636	649	504	683	808	1,255	1,057	404	408	222	338	458
90% Exceedance	624	633	470	630	758	1,215	1,016	396	381	201	307	427
Full Simulation Period Average[a]	975	1,014	1,538	2,714	3,915	3,726	3,344	2,992	2,467	800	526	642
Wet Water Years (22%)	1,778	1,628	1,989	6,837	9,127	8,943	8,364	9,397	8,416	2,377	973	1,124
Above Normal Water Years (12%)	974	899	2,848	3,586	5,697	4,485	3,637	3,124	1,724	609	496	534
Below Normal Water Years (15%)	829	994	1,490	2,360	4,626	3,108	2,921	1,989	1,223	507	477	553
Dry Water Years (17%)	700	842	1,228	906	1,072	1,635	1,371	619	477	271	374	484
Critical Water Years (34%)	648	749	902	799	1,021	1,400	1,166	430	424	239	344	487

Table F.2.2-18-6b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,980	1,589	2,516	3,967	9,126	7,129	7,703	4,567	3,773	2,014	1,140	982
20% Exceedance	1,487	1,342	1,438	2,809	3,937	3,976	5,003	2,775	2,031	1,549	936	896
30% Exceedance	1,046	1,270	1,215	2,000	2,906	3,067	4,203	1,394	1,053	761	717	761
40% Exceedance	930	1,173	985	1,551	2,068	2,292	3,788	1,033	904	680	677	742
50% Exceedance	894	1,098	883	1,240	1,446	2,170	2,376	851	823	628	644	725
60% Exceedance	871	1,033	849	1,092	1,331	2,063	1,920	776	790	576	630	710
70% Exceedance	845	969	810	1,027	1,151	1,948	1,673	719	746	550	616	695
80% Exceedance	824	947	752	955	1,060	1,910	1,444	651	704	521	596	674
90% Exceedance	773	882	713	905	1,025	1,854	1,406	601	624	449	539	612
Full Simulation Period Average[a]	1,135	1,240	1,534	2,525	3,413	3,497	3,612	2,083	1,697	942	749	774
Wet Water Years (22%)	1,866	1,675	2,075	6,130	8,108	7,601	7,722	6,038	4,743	2,143	1,170	1,023
Above Normal Water Years (12%)	1,169	1,263	2,519	2,700	4,192	3,434	4,335	1,825	1,160	789	717	750
Below Normal Water Years (15%)	999	1,224	1,358	2,017	3,303	2,695	3,639	1,243	989	703	686	733
Dry Water Years (17%)	907	1,124	1,178	1,141	1,252	2,090	2,001	790	791	597	632	707
Critical Water Years (34%)	813	1,009	1,048	1,048	1,230	1,921	1,493	632	679	497	574	671

Table F.2.2-18-6c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	295	207	-915	-1,656	-1,798	-983	-690	-4,576	-4,204	391	255	158
20% Exceedance	173	333	100	-1,217	-1,547	-1,754	67	-2,399	-2,239	577	318	280
30% Exceedance	166	391	224	-190	-944	-891	492	-1,003	-111	180	221	216
40% Exceedance	196	357	180	138	-857	-150	1,412	-504	76	250	227	215
50% Exceedance	195	336	201	219	6	141	434	58	247	294	237	220
60% Exceedance	193	304	257	245	222	456	672	292	330	304	248	216
70% Exceedance	191	281	253	282	240	566	573	283	321	310	263	215
80% Exceedance	188	298	249	272	252	655	387	248	296	300	258	216
90% Exceedance	149	249	242	275	267	639	391	205	243	248	232	185
Full Simulation Period Average[a]	160	226	-4	-189	-501	-229	268	-909	-771	143	223	131
Wet Water Years (22%)	88	47	86	-706	-1,019	-1,342	-643	-3,359	-3,673	-233	196	-101
Above Normal Water Years (12%)	195	364	-329	-885	-1,505	-1,051	698	-1,299	-564	180	221	216
Below Normal Water Years (15%)	170	229	-132	-343	-1,323	-413	718	-745	-234	195	209	180
Dry Water Years (17%)	207	282	-50	235	181	455	630	170	314	326	258	223
Critical Water Years (34%)	165	261	146	249	209	520	327	202	255	258	230	184

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-18-7a. San Joaquin River Flow below confluence with Merced , EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,685	1,382	3,431	5,623	10,924	8,112	8,393	9,143	7,977	1,623	884	824
20% Exceedance	1,314	1,009	1,338	4,026	5,485	5,730	4,937	5,174	4,269	972	618	616
30% Exceedance	880	879	991	2,190	3,850	3,958	3,711	2,397	1,164	581	496	545
40% Exceedance	734	816	805	1,413	2,925	2,442	2,376	1,537	828	430	450	528
50% Exceedance	699	763	681	1,021	1,440	2,029	1,941	793	576	334	407	505
60% Exceedance	679	729	592	847	1,109	1,607	1,248	484	461	272	382	494
70% Exceedance	654	688	557	744	911	1,382	1,100	436	425	240	353	480
80% Exceedance	636	649	504	683	808	1,255	1,057	404	408	222	338	458
90% Exceedance	624	633	470	630	758	1,215	1,016	396	381	201	307	427
Full Simulation Period Average[a]	975	1,014	1,538	2,714	3,915	3,726	3,344	2,992	2,467	800	526	642
Wet Water Years (22%)	1,778	1,628	1,989	6,837	9,127	8,943	8,364	9,397	8,416	2,377	973	1,124
Above Normal Water Years (12%)	974	899	2,848	3,586	5,697	4,485	3,637	3,124	1,724	609	496	534
Below Normal Water Years (15%)	829	994	1,490	2,360	4,626	3,108	2,921	1,989	1,223	507	477	553
Dry Water Years (17%)	700	842	1,228	906	1,072	1,635	1,371	619	477	271	374	484
Critical Water Years (34%)	648	749	902	799	1,021	1,400	1,166	430	424	239	344	487

Table F.2.2-18-7b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,977	1,590	2,515	3,967	9,127	7,125	7,699	4,742	3,772	2,014	1,139	982
20% Exceedance	1,487	1,342	1,437	2,809	3,937	3,976	5,035	2,775	2,030	1,548	936	895
30% Exceedance	1,045	1,270	1,214	2,000	2,908	3,067	4,209	1,394	1,053	761	713	761
40% Exceedance	930	1,172	985	1,550	2,067	2,292	3,802	1,033	904	680	675	742
50% Exceedance	893	1,095	883	1,239	1,447	2,170	2,375	854	823	628	643	727
60% Exceedance	871	1,033	849	1,092	1,330	2,064	1,984	776	790	576	629	712
70% Exceedance	846	968	808	1,026	1,150	1,947	1,679	719	746	545	615	695
80% Exceedance	824	947	752	955	1,060	1,910	1,462	650	703	517	596	674
90% Exceedance	773	882	713	905	1,025	1,854	1,406	600	624	449	539	612
Full Simulation Period Average[a]	1,135	1,240	1,533	2,526	3,412	3,496	3,631	2,090	1,697	942	748	774
Wet Water Years (22%)	1,865	1,674	2,074	6,130	8,103	7,599	7,730	6,044	4,747	2,143	1,169	1,023
Above Normal Water Years (12%)	1,169	1,263	2,519	2,701	4,193	3,434	4,367	1,866	1,159	789	716	750
Below Normal Water Years (15%)	998	1,224	1,358	2,019	3,303	2,695	3,667	1,250	989	702	686	733
Dry Water Years (17%)	907	1,124	1,178	1,140	1,252	2,090	2,030	790	791	596	631	710
Critical Water Years (34%)	813	1,009	1,047	1,047	1,230	1,920	1,505	632	679	496	574	671

Table F.2.2-18-7c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	292	208	-916	-1,656	-1,797	-986	-694	-4,400	-4,206	390	255	158
20% Exceedance	173	332	99	-1,217	-1,547	-1,754	98	-2,399	-2,239	575	318	279
30% Exceedance	165	391	224	-190	-943	-891	498	-1,003	-111	180	217	216
40% Exceedance	196	356	180	137	-858	-150	1,426	-504	76	250	225	214
50% Exceedance	195	333	201	219	6	141	434	61	247	294	236	222
60% Exceedance	192	304	257	244	222	457	736	292	329	304	247	218
70% Exceedance	192	280	251	282	239	566	579	283	320	305	262	215
80% Exceedance	187	298	248	272	252	655	405	247	295	295	258	216
90% Exceedance	149	249	243	275	267	640	390	204	243	248	232	185
Full Simulation Period Average[a]	160	225	-4	-189	-502	-230	287	-902	-770	142	222	132
Wet Water Years (22%)	87	46	86	-707	-1,023	-1,344	-634	-3,353	-3,669	-234	196	-101
Above Normal Water Years (12%)	195	364	-329	-885	-1,504	-1,051	730	-1,258	-565	180	220	215
Below Normal Water Years (15%)	170	229	-132	-341	-1,323	-414	747	-738	-234	195	209	180
Dry Water Years (17%)	207	281	-50	234	180	455	659	171	313	325	257	225
Critical Water Years (34%)	165	260	146	248	209	520	339	202	255	257	229	184

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types 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.

Table F.2.2-18-8a. San Joaquin River Flow below confluence with Merced , EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,685	1,382	3,431	5,623	10,924	8,112	8,393	9,143	7,977	1,623	884	824
20% Exceedance	1,314	1,009	1,338	4,026	5,485	5,730	4,937	5,174	4,269	972	618	616
30% Exceedance	880	879	991	2,190	3,850	3,958	3,711	2,397	1,164	581	496	545
40% Exceedance	734	816	805	1,413	2,925	2,442	2,376	1,537	828	430	450	528
50% Exceedance	699	763	681	1,021	1,440	2,029	1,941	793	576	334	407	505
60% Exceedance	679	729	592	847	1,109	1,607	1,248	484	461	272	382	494
70% Exceedance	654	688	557	744	911	1,382	1,100	436	425	240	353	480
80% Exceedance	636	649	504	683	808	1,255	1,057	404	408	222	338	458
90% Exceedance	624	633	470	630	758	1,215	1,016	396	381	201	307	427
Full Simulation Period Average[a]	975	1,014	1,538	2,714	3,915	3,726	3,344	2,992	2,467	800	526	642
Wet Water Years (22%)	1,778	1,628	1,989	6,837	9,127	8,943	8,364	9,397	8,416	2,377	973	1,124
Above Normal Water Years (12%)	974	899	2,848	3,586	5,697	4,485	3,637	3,124	1,724	609	496	534
Below Normal Water Years (15%)	829	994	1,490	2,360	4,626	3,108	2,921	1,989	1,223	507	477	553
Dry Water Years (17%)	700	842	1,228	906	1,072	1,635	1,371	619	477	271	374	484
Critical Water Years (34%)	648	749	902	799	1,021	1,400	1,166	430	424	239	344	487

Table F.2.2-18-8b. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,980	1,589	2,517	3,967	9,141	7,127	7,706	4,654	3,773	2,014	1,140	982
20% Exceedance	1,487	1,342	1,438	2,809	3,938	3,976	5,073	2,776	2,031	1,665	949	896
30% Exceedance	1,046	1,270	1,215	2,000	2,908	3,067	4,209	1,394	1,054	955	724	766
40% Exceedance	936	1,173	985	1,600	2,068	2,292	3,802	1,033	904	777	689	748
50% Exceedance	895	1,096	885	1,243	1,447	2,170	2,376	854	823	690	656	730
60% Exceedance	872	1,033	849	1,092	1,331	2,071	1,990	781	790	637	633	718
70% Exceedance	846	969	809	1,027	1,151	1,955	1,673	719	748	598	621	700
80% Exceedance	824	950	753	955	1,063	1,911	1,462	651	704	522	597	676
90% Exceedance	772	882	713	906	1,026	1,855	1,407	600	623	450	543	614
Full Simulation Period Average[a]	1,135	1,241	1,535	2,535	3,417	3,499	3,633	2,089	1,698	997	754	777
Wet Water Years (22%)	1,866	1,675	2,075	6,165	8,100	7,598	7,734	6,050	4,748	2,179	1,173	1,025
Above Normal Water Years (12%)	1,169	1,263	2,520	2,701	4,228	3,436	4,371	1,840	1,161	885	720	750
Below Normal Water Years (15%)	999	1,224	1,358	2,019	3,303	2,698	3,669	1,251	989	831	700	739
Dry Water Years (17%)	908	1,124	1,183	1,149	1,257	2,098	2,031	792	791	665	639	715
Critical Water Years (34%)	814	1,010	1,048	1,048	1,230	1,923	1,505	632	680	510	576	674

Table F.2.2-18-8c. San Joaquin River Flow below confluence with Merced , Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	295	207	-914	-1,656	-1,783	-985	-687	-4,489	-4,205	391	255	158
20% Exceedance	173	333	100	-1,217	-1,547	-1,754	136	-2,398	-2,239	693	331	280
30% Exceedance	165	391	224	-190	-942	-891	498	-1,003	-110	373	228	220
40% Exceedance	202	357	180	187	-857	-149	1,426	-504	76	347	240	221
50% Exceedance	196	333	204	222	7	141	435	61	247	356	249	225
60% Exceedance	193	304	258	245	222	464	742	296	330	365	251	224
70% Exceedance	192	281	252	283	240	574	573	283	323	358	267	220
80% Exceedance	188	301	249	272	255	655	405	247	296	300	259	218
90% Exceedance	148	249	243	276	268	640	391	204	242	249	236	187
Full Simulation Period Average[a]	160	226	-3	-179	-498	-227	289	-903	-769	197	228	135
Wet Water Years (22%)	88	47	86	-671	-1,027	-1,346	-631	-3,347	-3,668	-198	200	-99
Above Normal Water Years (12%)	196	364	-328	-884	-1,468	-1,049	734	-1,284	-563	276	224	216
Below Normal Water Years (15%)	170	229	-132	-341	-1,323	-410	748	-737	-234	323	222	186
Dry Water Years (17%)	209	282	-45	244	185	462	660	172	314	394	265	231
Critical Water Years (34%)	166	261	147	249	210	523	340	202	256	271	232	187

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-18-9a. San Joaquin River Flow below confluence with Merced , EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,685	1,382	3,431	5,623	10,924	8,112	8,393	9,143	7,977	1,623	884	824
20% Exceedance	1,314	1,009	1,338	4,026	5,485	5,730	4,937	5,174	4,269	972	618	616
30% Exceedance	880	879	991	2,190	3,850	3,958	3,711	2,397	1,164	581	496	545
40% Exceedance	734	816	805	1,413	2,925	2,442	2,376	1,537	828	430	450	528
50% Exceedance	699	763	681	1,021	1,440	2,029	1,941	793	576	334	407	505
60% Exceedance	679	729	592	847	1,109	1,607	1,248	484	461	272	382	494
70% Exceedance	654	688	557	744	911	1,382	1,100	436	425	240	353	480
80% Exceedance	636	649	504	683	808	1,255	1,057	404	408	222	338	458
90% Exceedance	624	633	470	630	758	1,215	1,016	396	381	201	307	427
Full Simulation Period Average[a]	975	1,014	1,538	2,714	3,915	3,726	3,344	2,992	2,467	800	526	642
Wet Water Years (22%)	1,778	1,628	1,989	6,837	9,127	8,943	8,364	9,397	8,416	2,377	973	1,124
Above Normal Water Years (12%)	974	899	2,848	3,586	5,697	4,485	3,637	3,124	1,724	609	496	534
Below Normal Water Years (15%)	829	994	1,490	2,360	4,626	3,108	2,921	1,989	1,223	507	477	553
Dry Water Years (17%)	700	842	1,228	906	1,072	1,635	1,371	619	477	271	374	484
Critical Water Years (34%)	648	749	902	799	1,021	1,400	1,166	430	424	239	344	487

Table F.2.2-18-9b. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,590	2,518	3,968	9,129	7,129	7,704	4,567	3,775	2,014	1,140	982
20% Exceedance	1,487	1,343	1,438	2,809	3,936	3,977	5,005	2,776	2,031	1,548	936	896
30% Exceedance	1,046	1,271	1,215	2,001	2,909	3,067	4,204	1,395	1,054	762	717	763
40% Exceedance	930	1,173	986	1,551	2,068	2,292	3,788	1,033	904	681	677	743
50% Exceedance	894	1,098	883	1,240	1,447	2,170	2,376	851	823	629	644	725
60% Exceedance	872	1,033	849	1,092	1,331	2,065	1,920	777	789	577	631	710
70% Exceedance	846	969	811	1,026	1,151	1,948	1,674	719	747	551	617	695
80% Exceedance	824	948	752	956	1,061	1,910	1,445	651	704	515	597	675
90% Exceedance	773	882	713	906	1,025	1,853	1,407	601	625	450	540	613
Full Simulation Period Average[a]	1,135	1,241	1,534	2,526	3,413	3,497	3,614	2,083	1,697	941	749	774
Wet Water Years (22%)	1,866	1,675	2,075	6,130	8,103	7,601	7,727	6,039	4,744	2,144	1,170	1,024
Above Normal Water Years (12%)	1,169	1,263	2,520	2,701	4,193	3,435	4,336	1,824	1,161	789	718	749
Below Normal Water Years (15%)	999	1,224	1,358	2,018	3,304	2,695	3,639	1,244	989	703	687	735
Dry Water Years (17%)	907	1,125	1,178	1,141	1,253	2,091	2,001	790	791	598	632	708
Critical Water Years (34%)	814	1,010	1,048	1,048	1,230	1,921	1,493	632	680	494	573	672

Table F.2.2-18-9c. San Joaquin River Flow below confluence with Merced , Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	294	208	-913	-1,655	-1,794	-983	-689	-4,576	-4,202	391	256	158
20% Exceedance	173	333	100	-1,217	-1,549	-1,753	68	-2,398	-2,238	576	318	280
30% Exceedance	166	392	224	-189	-942	-891	493	-1,002	-110	180	221	217
40% Exceedance	196	357	180	138	-857	-149	1,411	-503	77	251	227	216
50% Exceedance	196	336	202	219	6	141	435	58	247	295	236	220
60% Exceedance	193	304	258	245	222	457	672	293	329	305	249	216
70% Exceedance	192	281	254	282	240	567	574	283	321	311	263	215
80% Exceedance	188	299	249	273	253	655	388	248	296	293	259	216
90% Exceedance	149	248	243	275	268	638	391	205	244	249	232	186
Full Simulation Period Average[a]	160	226	-4	-188	-502	-229	270	-909	-770	142	223	132
Wet Water Years (22%)	88	47	87	-706	-1,023	-1,342	-638	-3,359	-3,672	-233	196	-100
Above Normal Water Years (12%)	196	364	-329	-885	-1,504	-1,050	699	-1,300	-563	180	222	215
Below Normal Water Years (15%)	170	230	-132	-343	-1,322	-413	718	-745	-234	196	210	182
Dry Water Years (17%)	208	282	-50	235	181	455	630	170	314	326	258	224
Critical Water Years (34%)	166	261	147	249	210	521	327	203	256	254	228	185

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-18-10a. San Joaquin River Flow below confluence with Merced , EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,685	1,382	3,431	5,623	10,924	8,112	8,393	9,143	7,977	1,623	884	824
20% Exceedance	1,314	1,009	1,338	4,026	5,485	5,730	4,937	5,174	4,269	972	618	616
30% Exceedance	880	879	991	2,190	3,850	3,958	3,711	2,397	1,164	581	496	545
40% Exceedance	734	816	805	1,413	2,925	2,442	2,376	1,537	828	430	450	528
50% Exceedance	699	763	681	1,021	1,440	2,029	1,941	793	576	334	407	505
60% Exceedance	679	729	592	847	1,109	1,607	1,248	484	461	272	382	494
70% Exceedance	654	688	557	744	911	1,382	1,100	436	425	240	353	480
80% Exceedance	636	649	504	683	808	1,255	1,057	404	408	222	338	458
90% Exceedance	624	633	470	630	758	1,215	1,016	396	381	201	307	427
Full Simulation Period Average[a]	975	1,014	1,538	2,714	3,915	3,726	3,344	2,992	2,467	800	526	642
Wet Water Years (22%)	1,778	1,628	1,989	6,837	9,127	8,943	8,364	9,397	8,416	2,377	973	1,124
Above Normal Water Years (12%)	974	899	2,848	3,586	5,697	4,485	3,637	3,124	1,724	609	496	534
Below Normal Water Years (15%)	829	994	1,490	2,360	4,626	3,108	2,921	1,989	1,223	507	477	553
Dry Water Years (17%)	700	842	1,228	906	1,072	1,635	1,371	619	477	271	374	484
Critical Water Years (34%)	648	749	902	799	1,021	1,400	1,166	430	424	239	344	487

Table F.2.2-18-10b. San Joaquin River Flow below confluence with Merced , NAA, 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

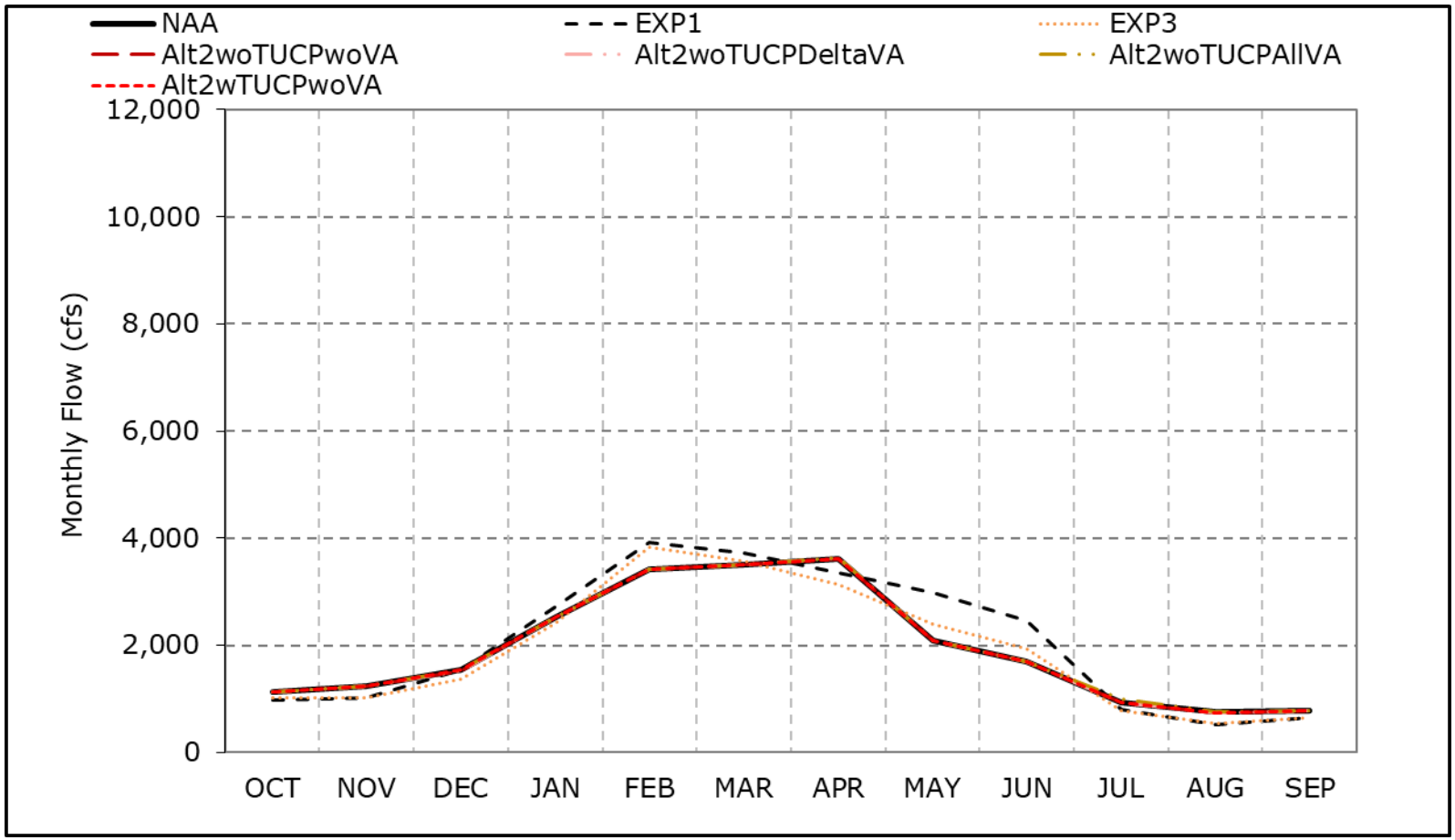
Table F.2.2-18-10c. San Joaquin River Flow below confluence with Merced , NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	301	208	-911	-1,654	-1,806	-973	-649	-4,470	-4,198	393	256	160
20% Exceedance	170	334	102	-1,215	-1,544	-1,752	68	-2,397	-2,238	578	320	288
30% Exceedance	167	392	225	-188	-941	-889	493	-1,002	-109	182	216	219
40% Exceedance	197	358	187	139	-855	-147	1,412	-502	77	252	230	216
50% Exceedance	198	338	203	221	10	143	436	61	248	296	240	223
60% Exceedance	194	305	259	247	224	459	673	293	328	306	248	215
70% Exceedance	193	283	254	282	243	568	575	285	325	310	263	215
80% Exceedance	189	300	250	275	254	657	390	249	297	303	260	218
90% Exceedance	151	250	247	278	270	639	392	206	247	251	234	187
Full Simulation Period Average[a]	162	228	-2	-186	-501	-226	275	-904	-768	144	224	133
Wet Water Years (22%)	89	49	88	-702	-1,016	-1,332	-615	-3,342	-3,665	-229	199	-98
Above Normal Water Years (12%)	196	365	-326	-884	-1,520	-1,052	699	-1,298	-562	181	221	216
Below Normal Water Years (15%)	171	230	-131	-341	-1,325	-412	719	-744	-233	198	211	183
Dry Water Years (17%)	210	284	-48	237	184	457	632	172	315	327	259	223
Critical Water Years (34%)	167	263	149	251	212	522	328	204	257	258	230	187

[a] Based on the 100-year simulation period.

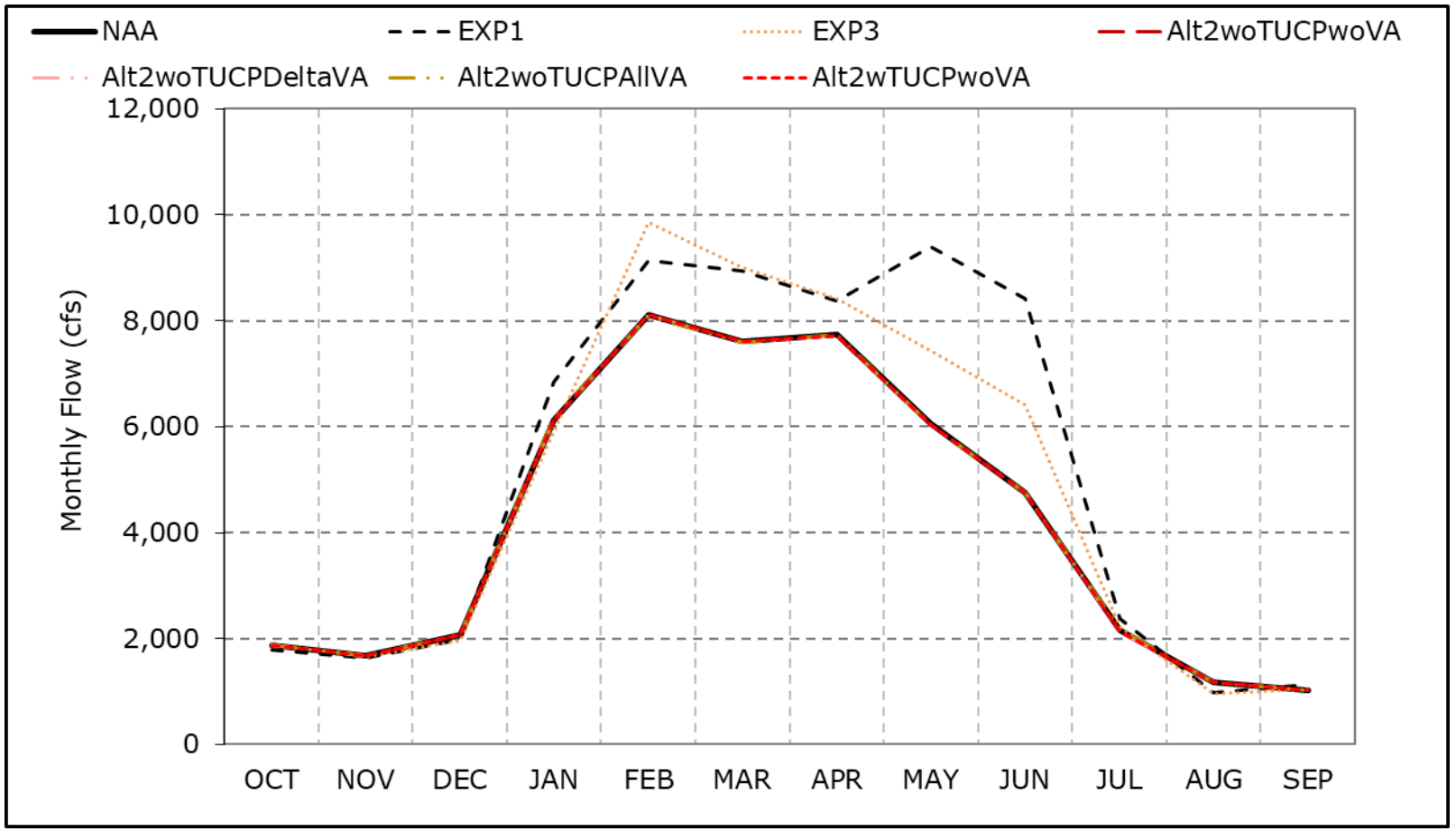
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-18-1. San Joaquin River Flow below confluence with Merced , Long-Term Average Flow



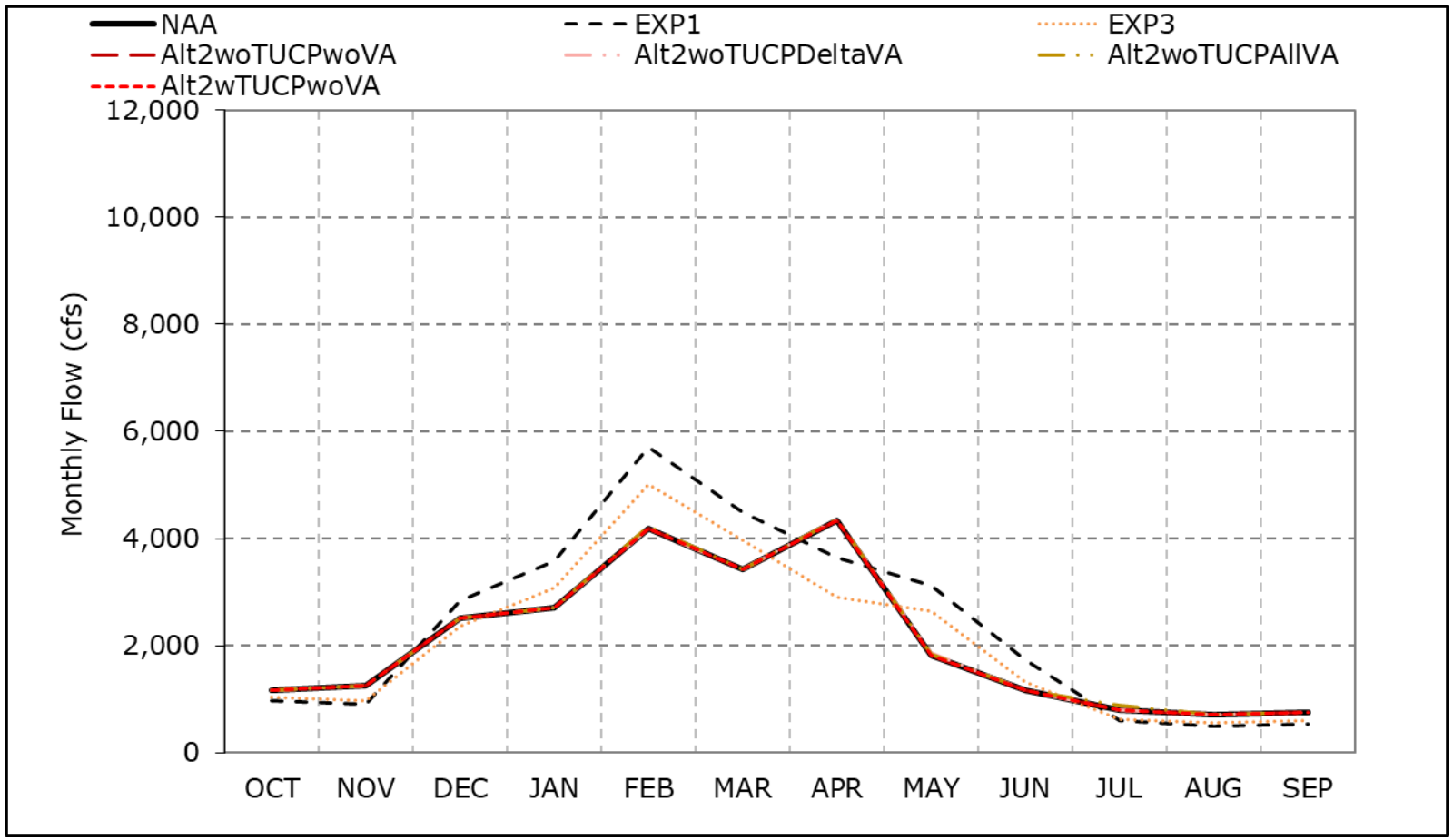
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-2. San Joaquin River Flow below confluence with Merced , Wet Year Average Flow



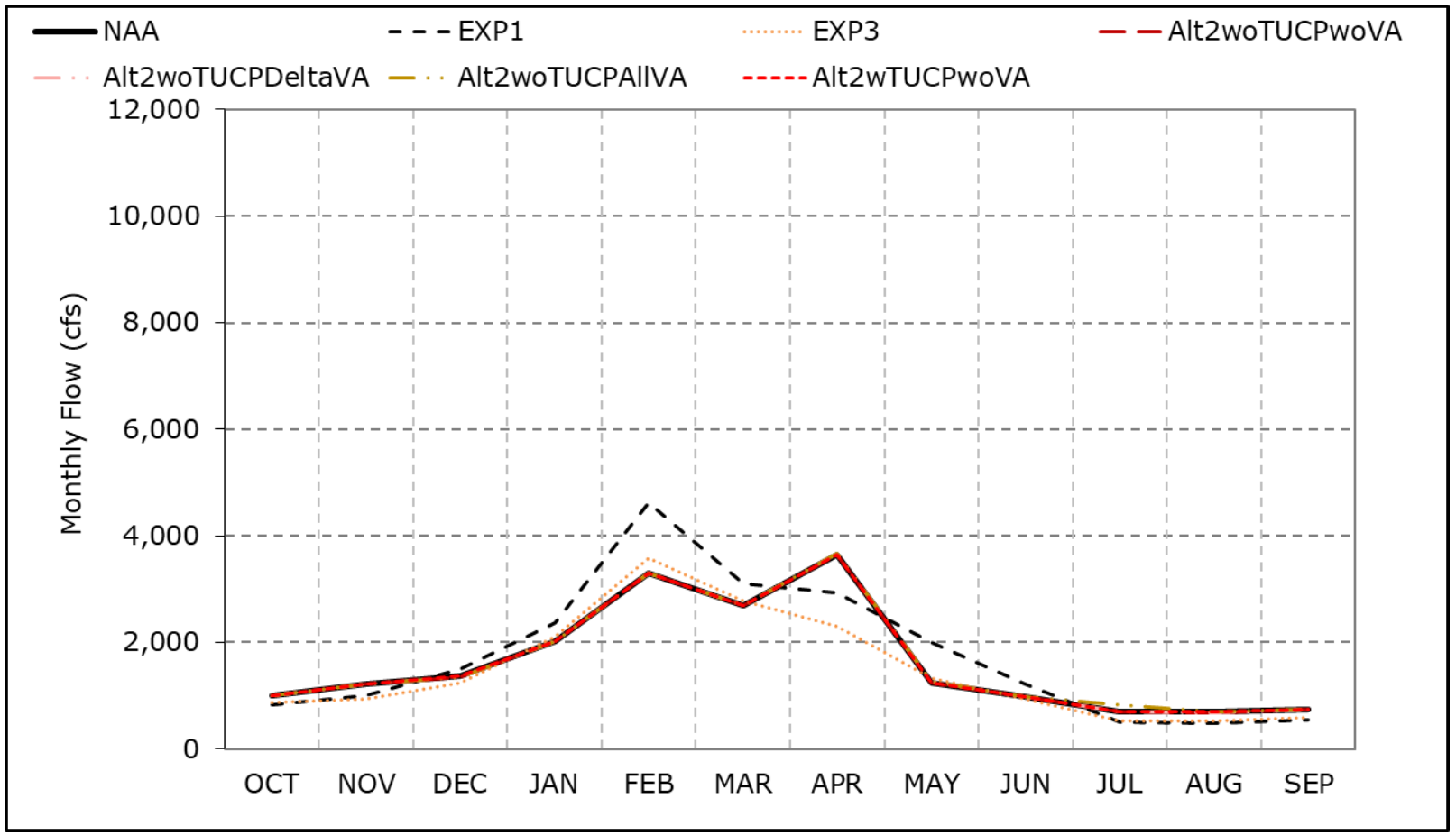
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-3. San Joaquin River Flow below confluence with Merced , Above Normal Year Average Flow



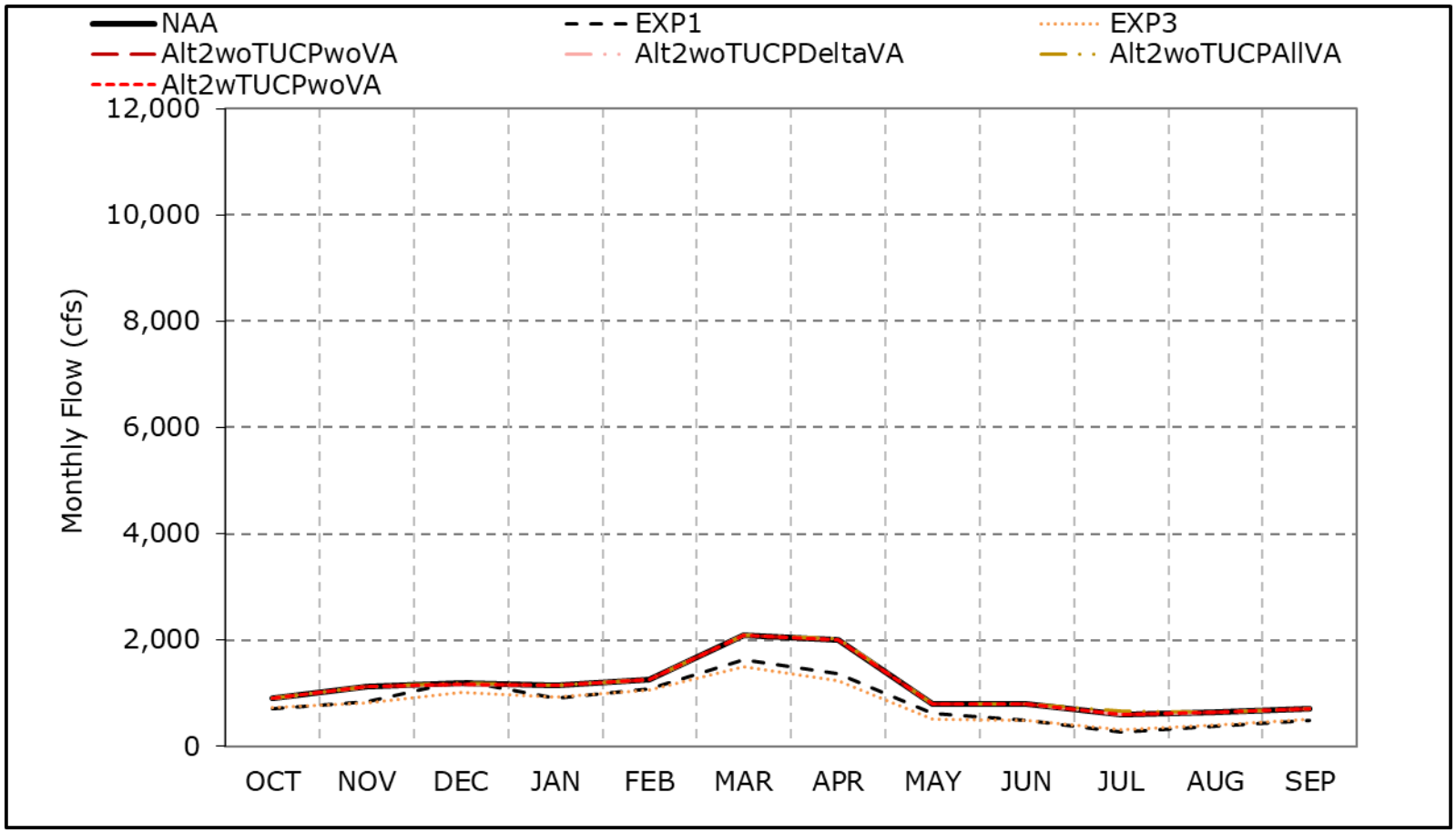
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-4. San Joaquin River Flow below confluence with Merced , Below Normal Year Average Flow



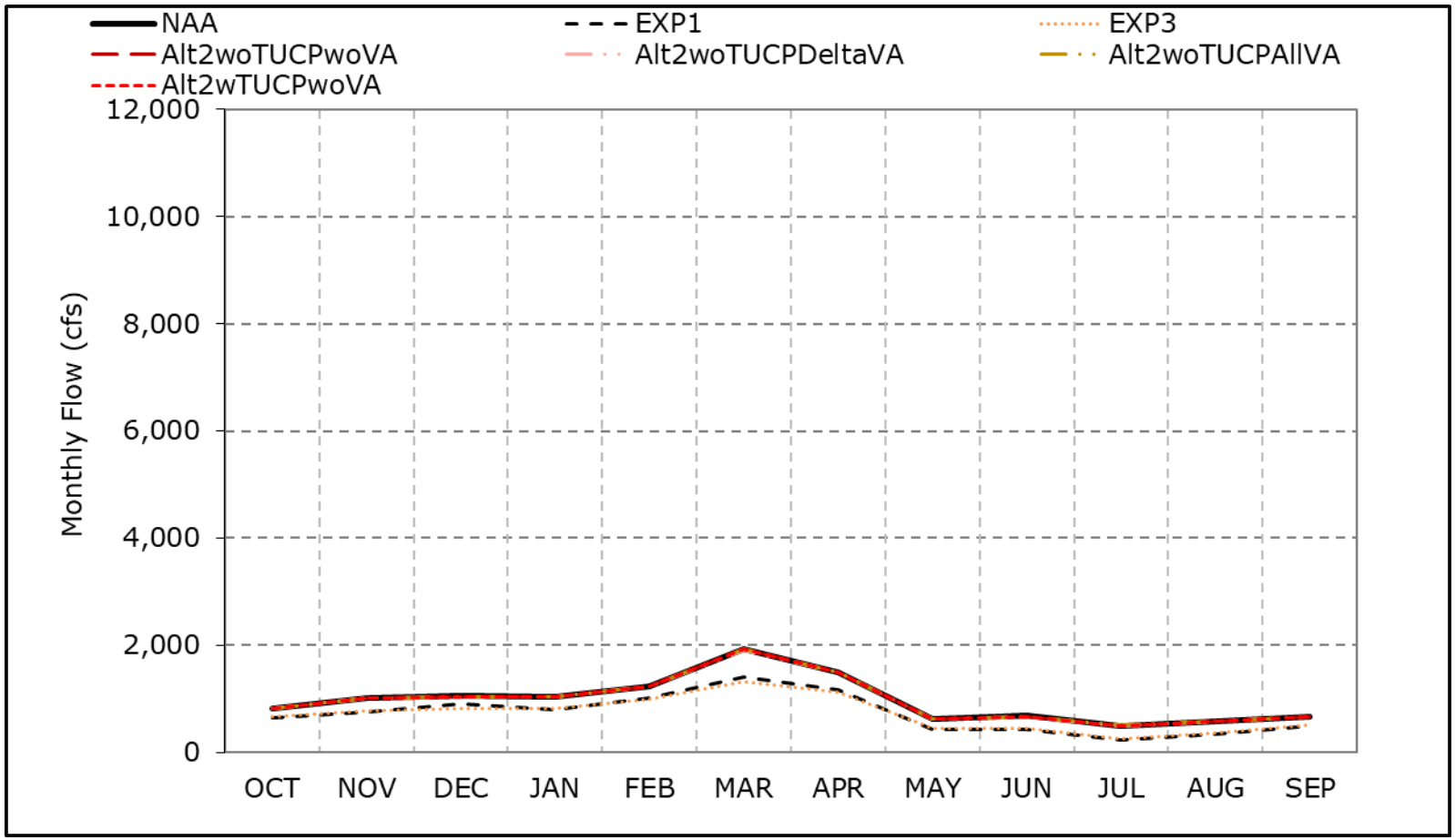
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-5. San Joaquin River Flow below confluence with Merced , Dry Year Average Flow



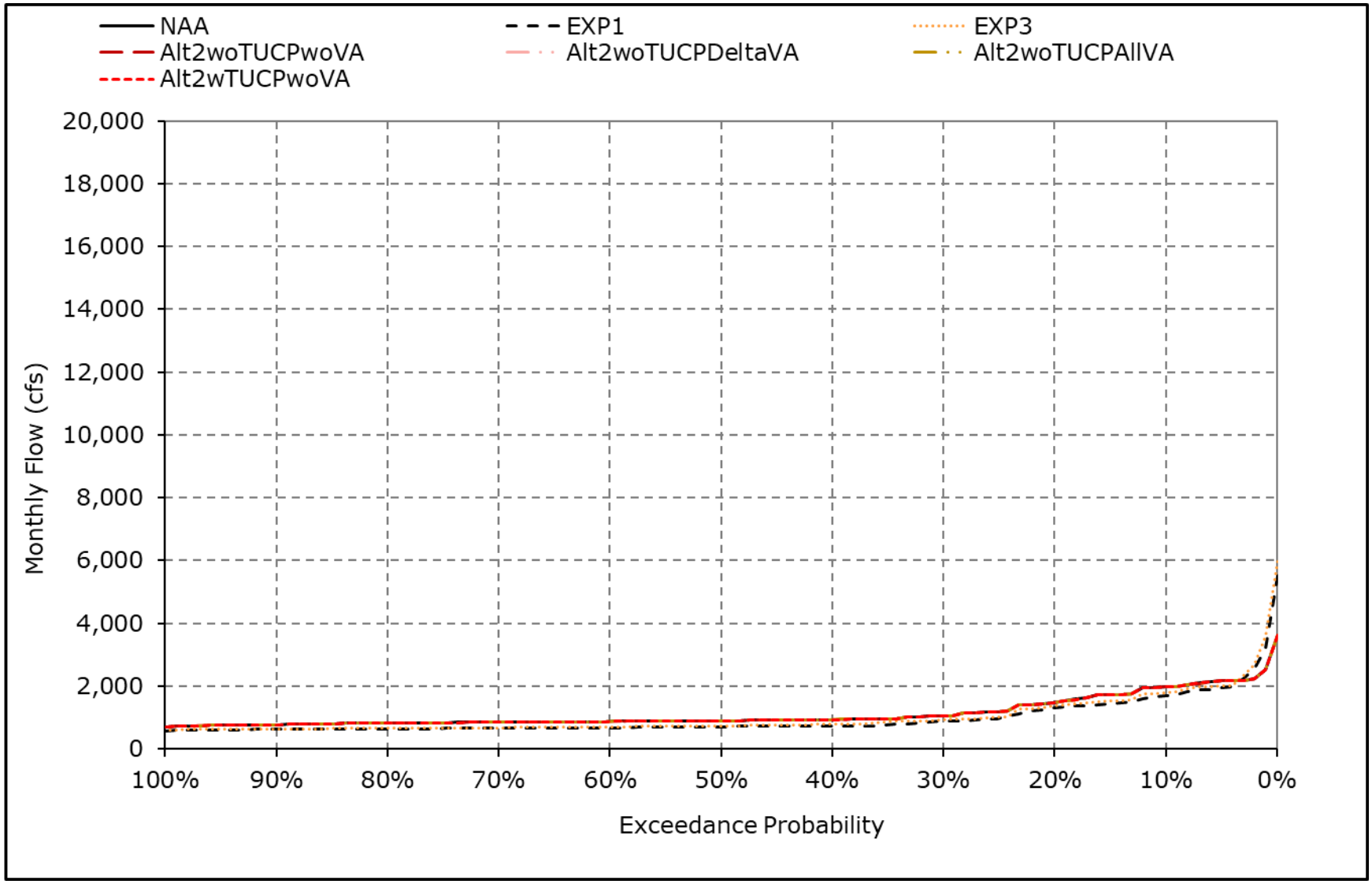
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-6. San Joaquin River Flow below confluence with Merced , Critical Year Average Flow



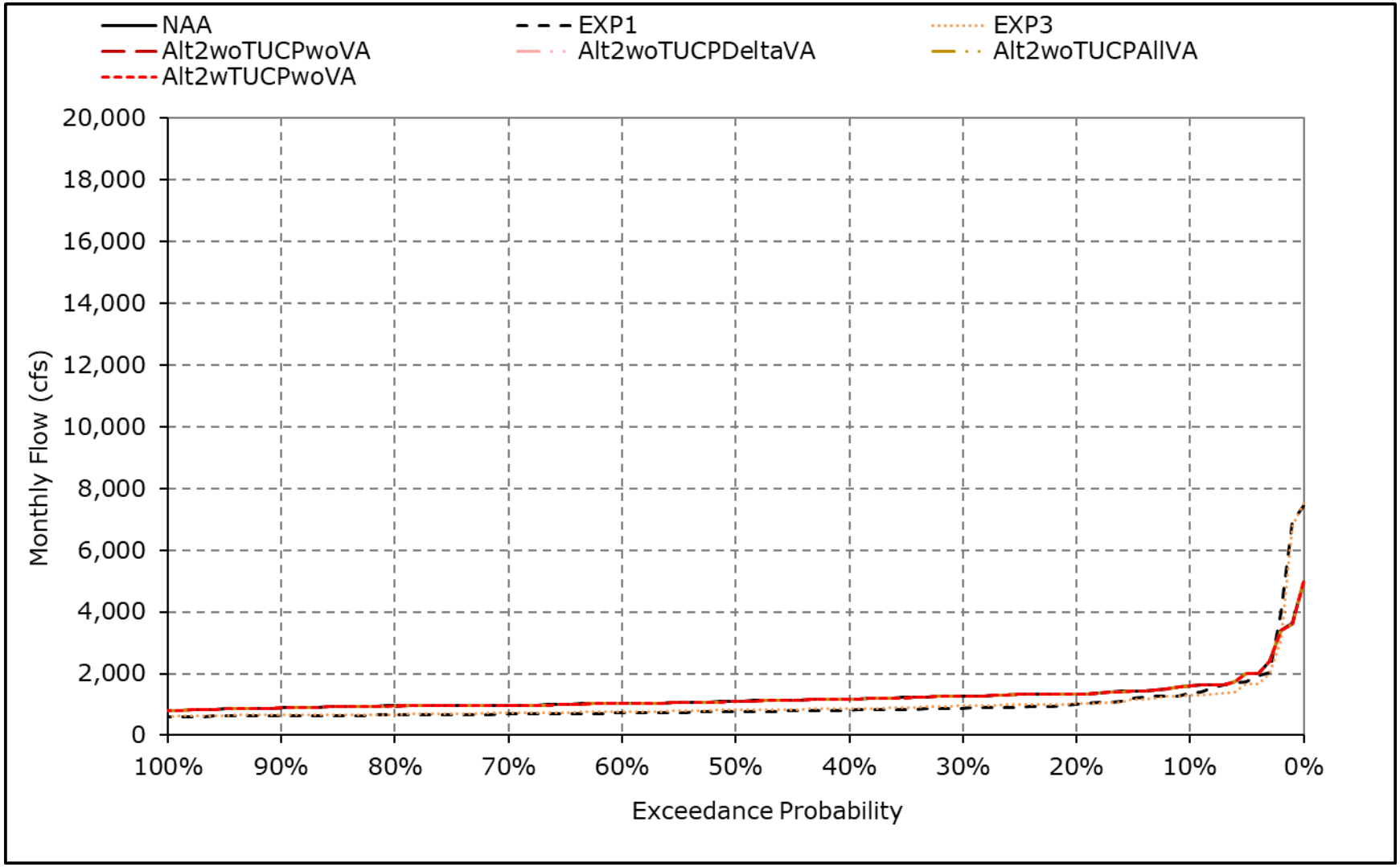
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-7. San Joaquin River Flow below confluence with Merced , October



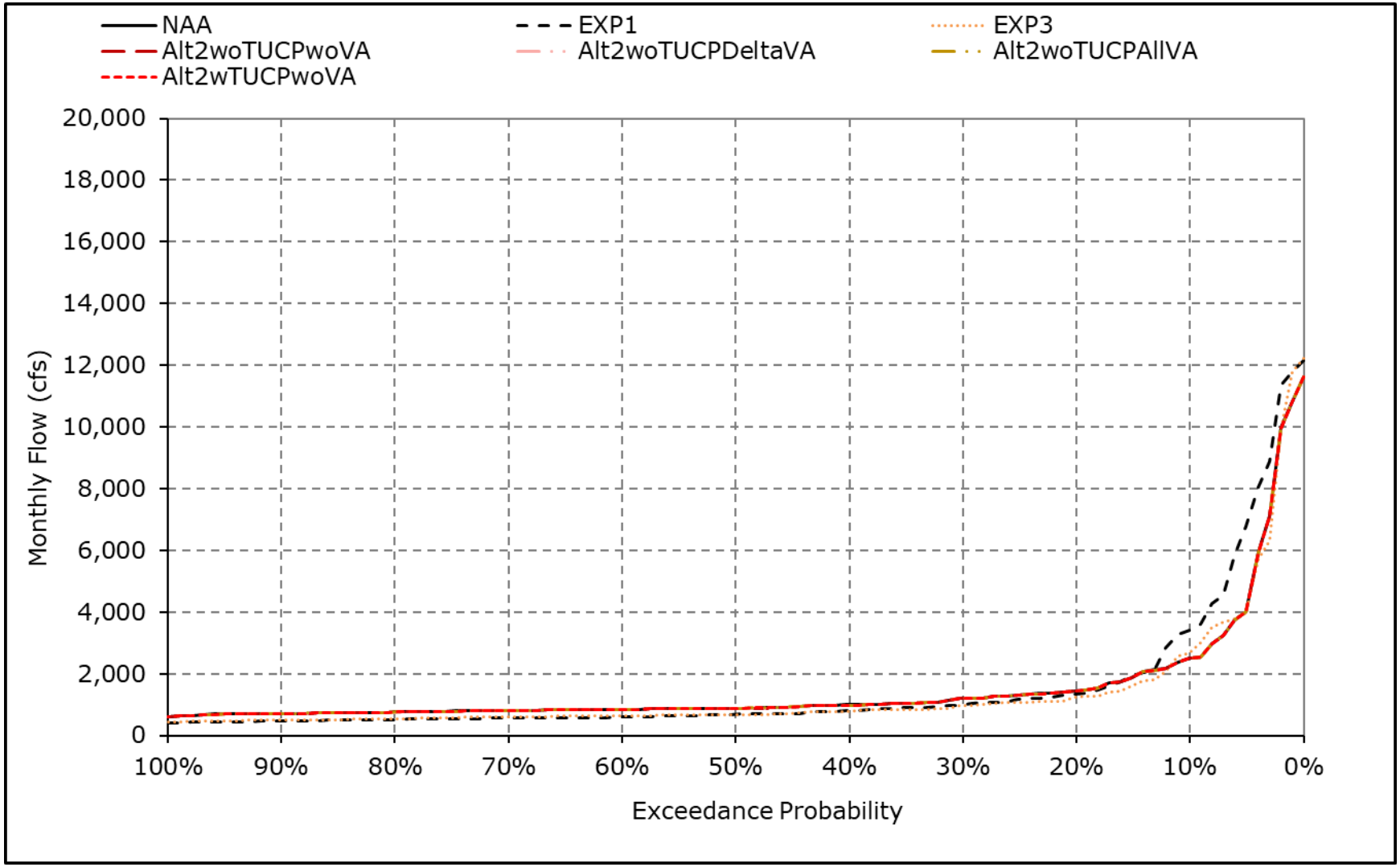
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-8. San Joaquin River Flow below confluence with Merced , November



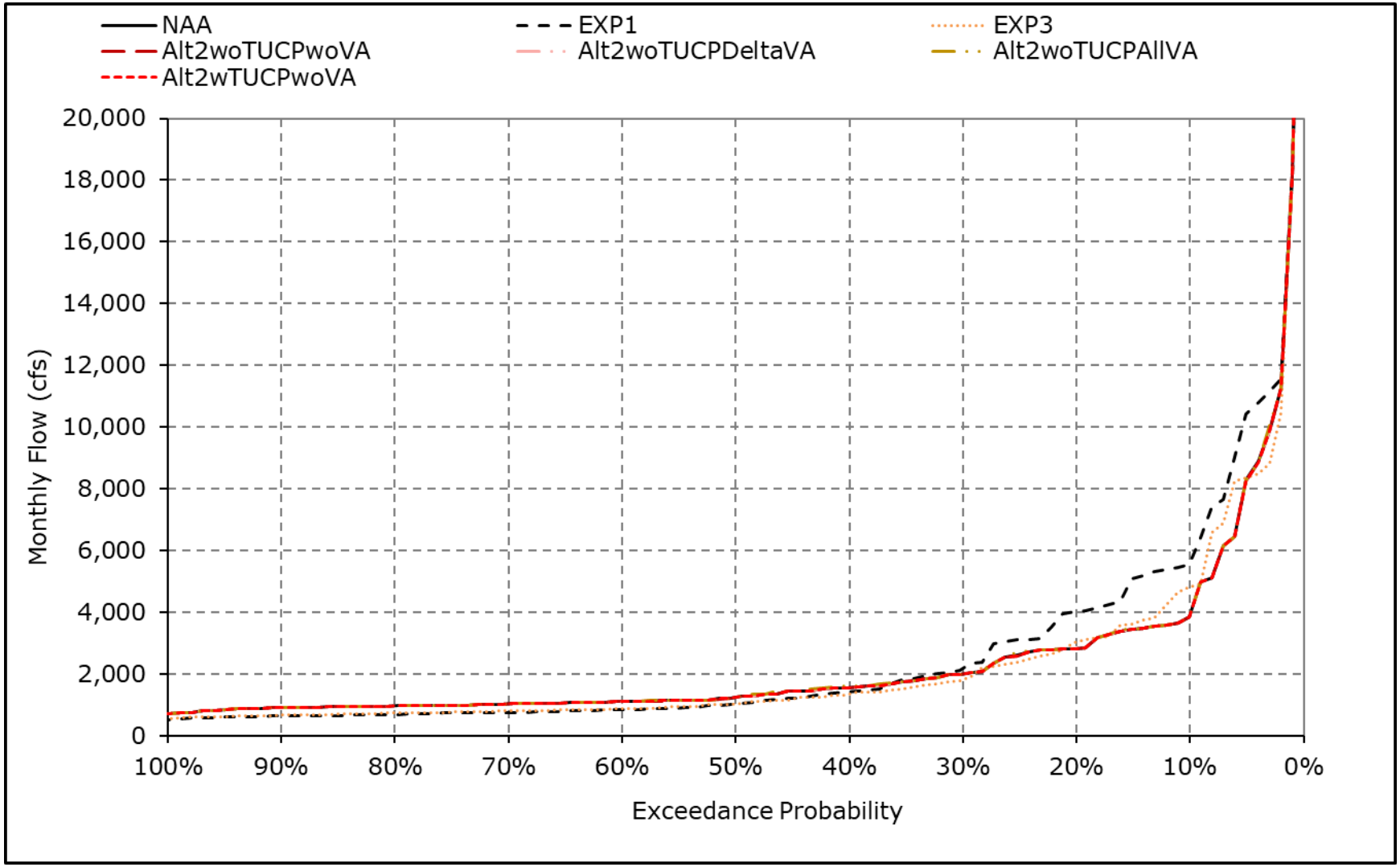
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-9. San Joaquin River Flow below confluence with Merced , December



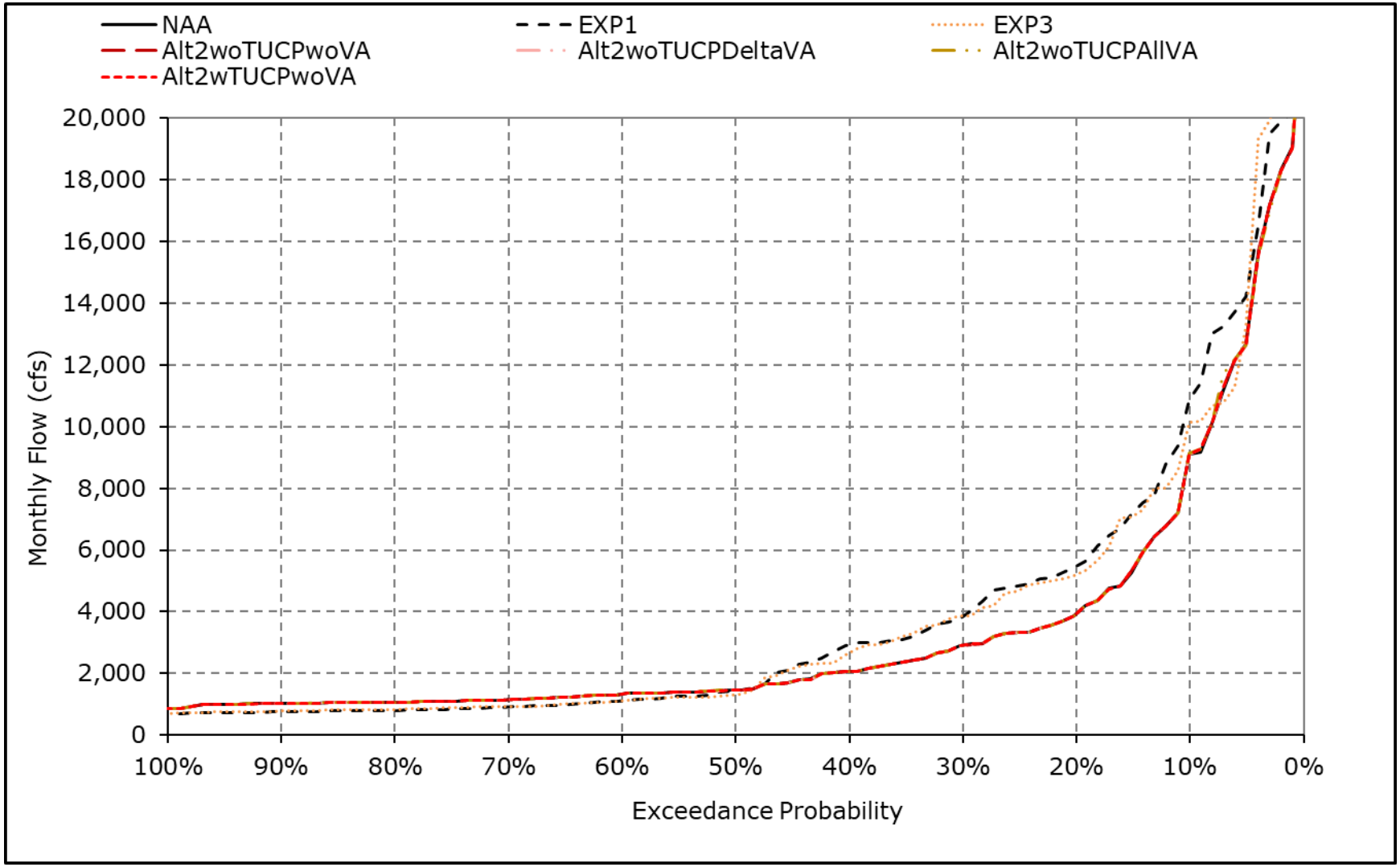
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-10. San Joaquin River Flow below confluence with Merced , January



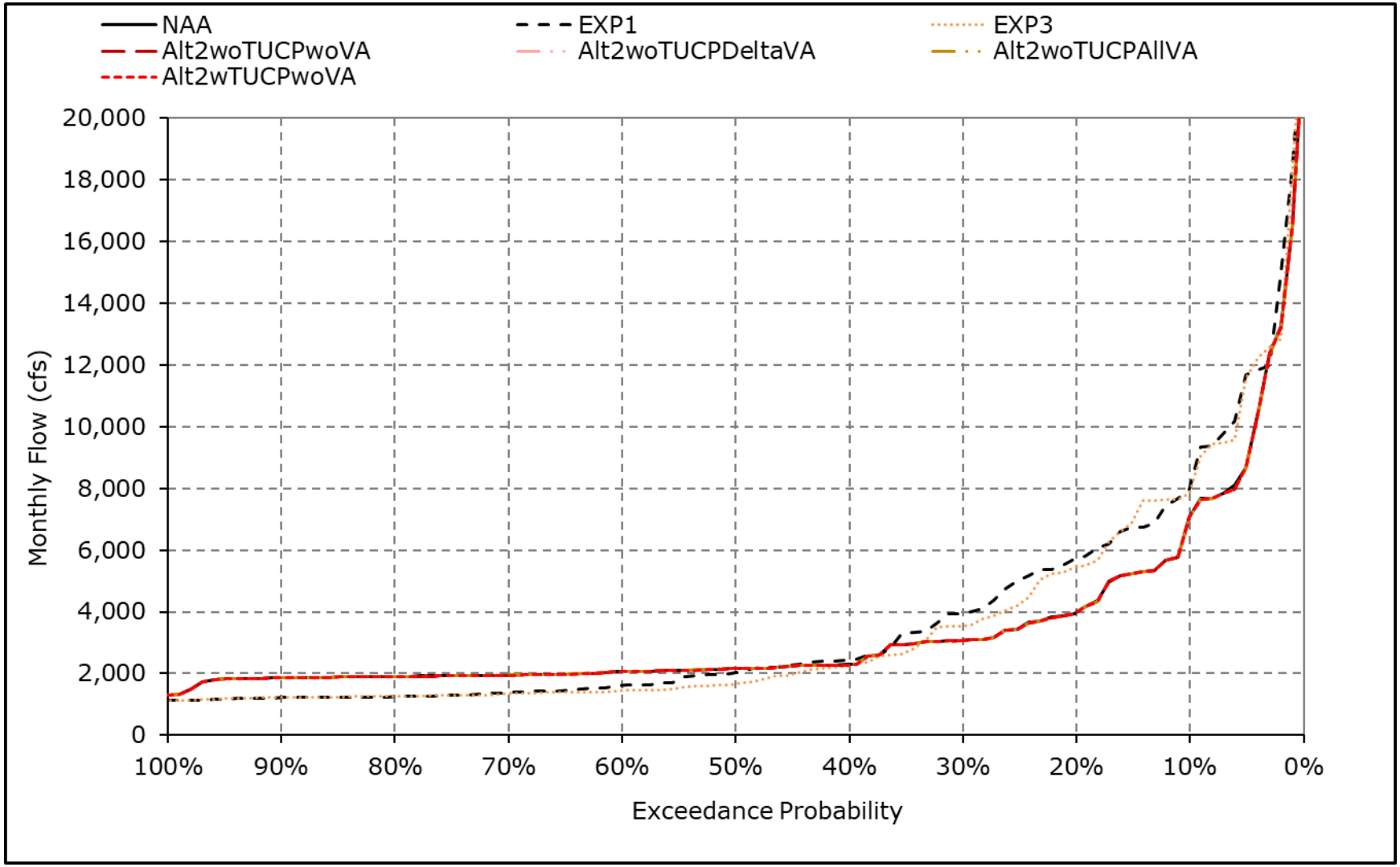
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-11. San Joaquin River Flow below confluence with Merced , February



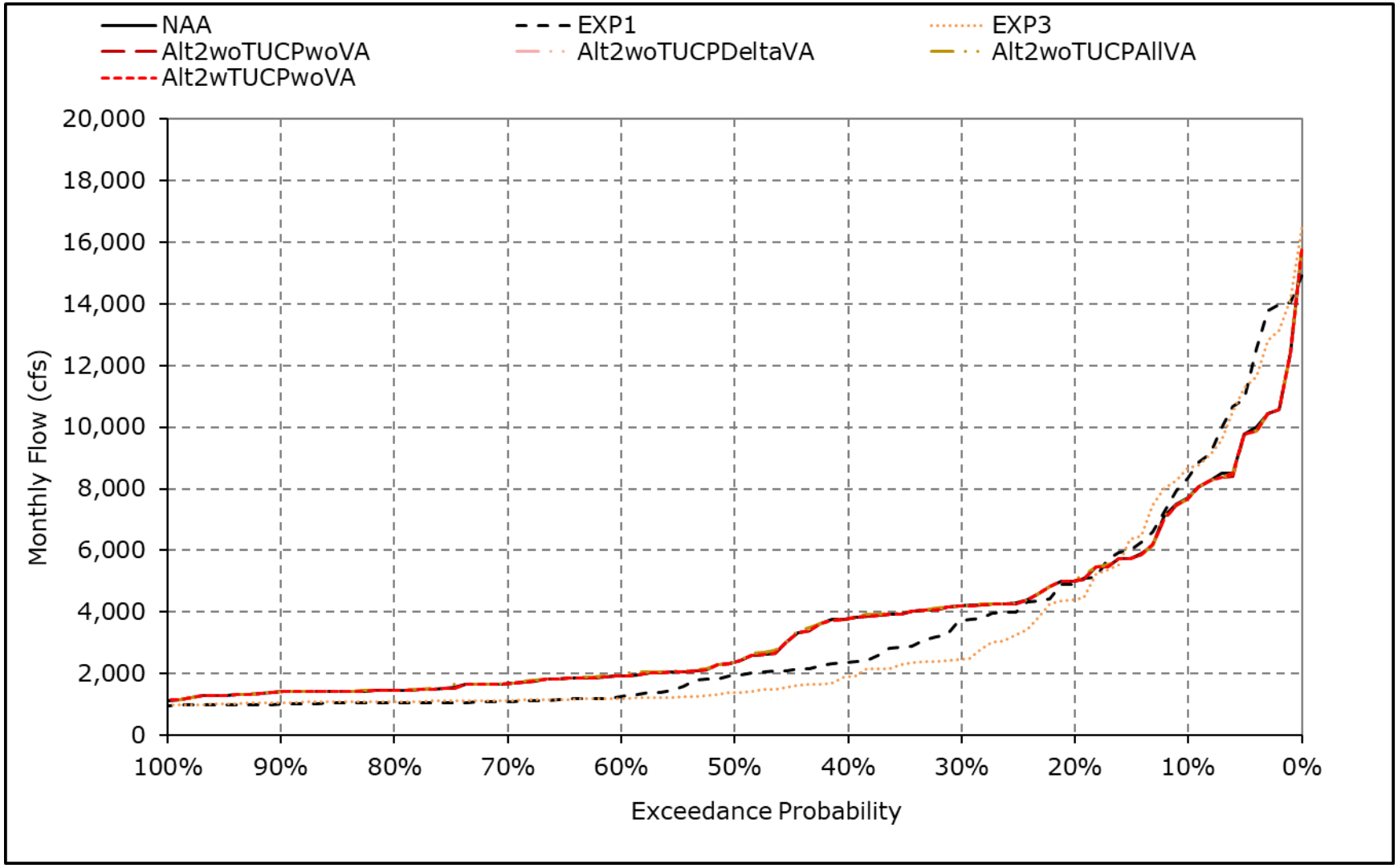
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-12. San Joaquin River Flow below confluence with Merced , March



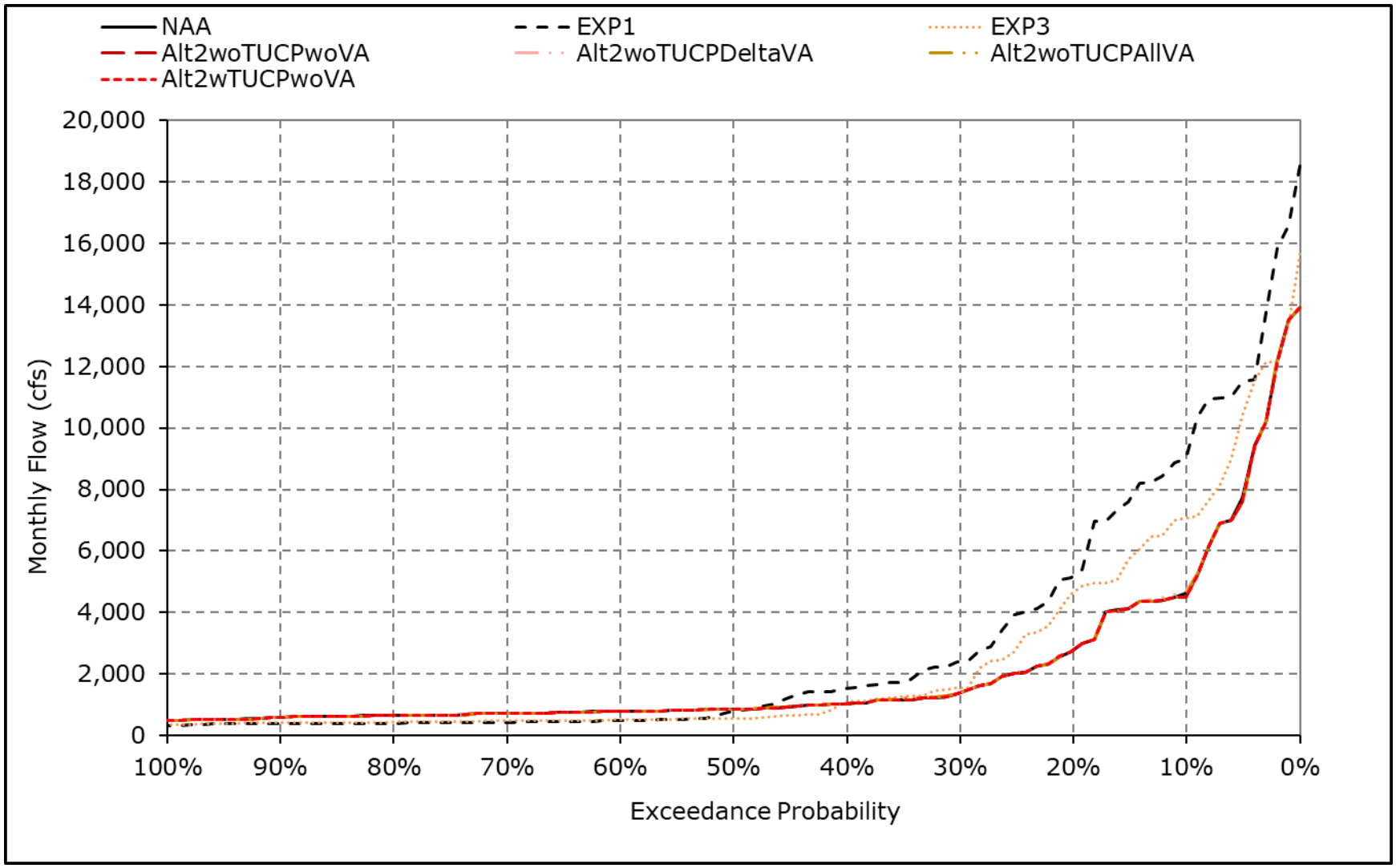
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-13. San Joaquin River Flow below confluence with Merced , April



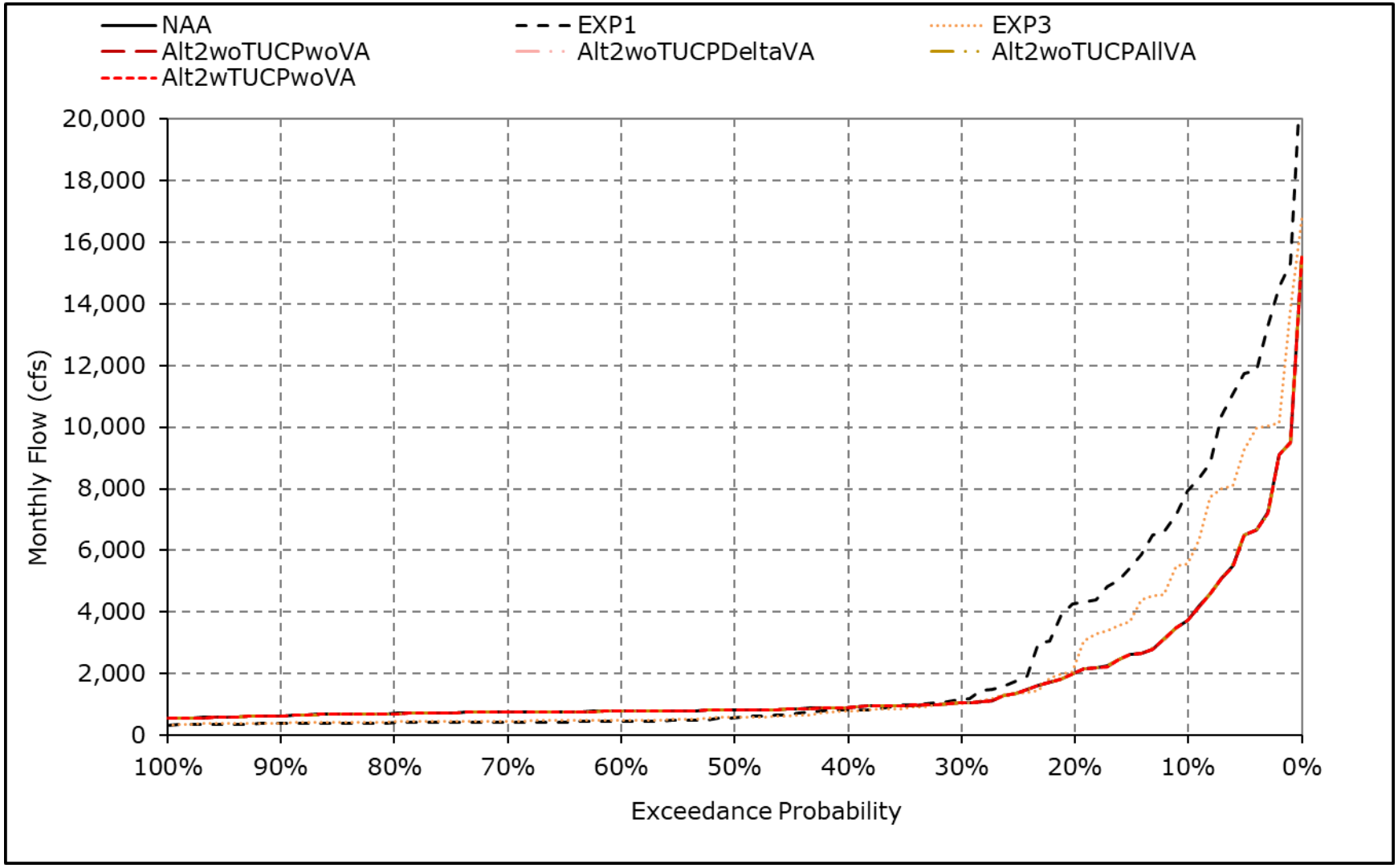
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-14. San Joaquin River Flow below confluence with Merced , May



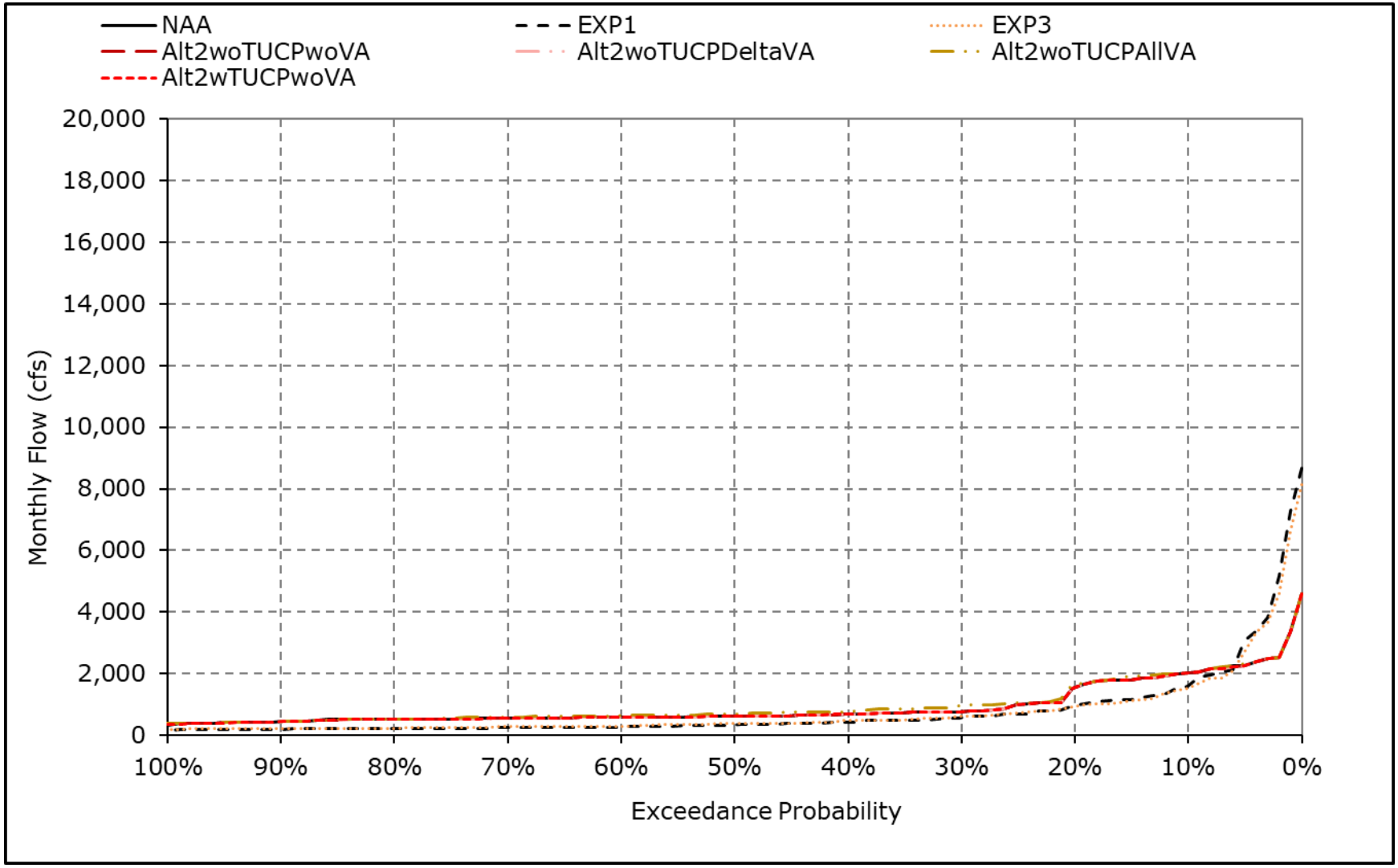
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-15. San Joaquin River Flow below confluence with Merced , June



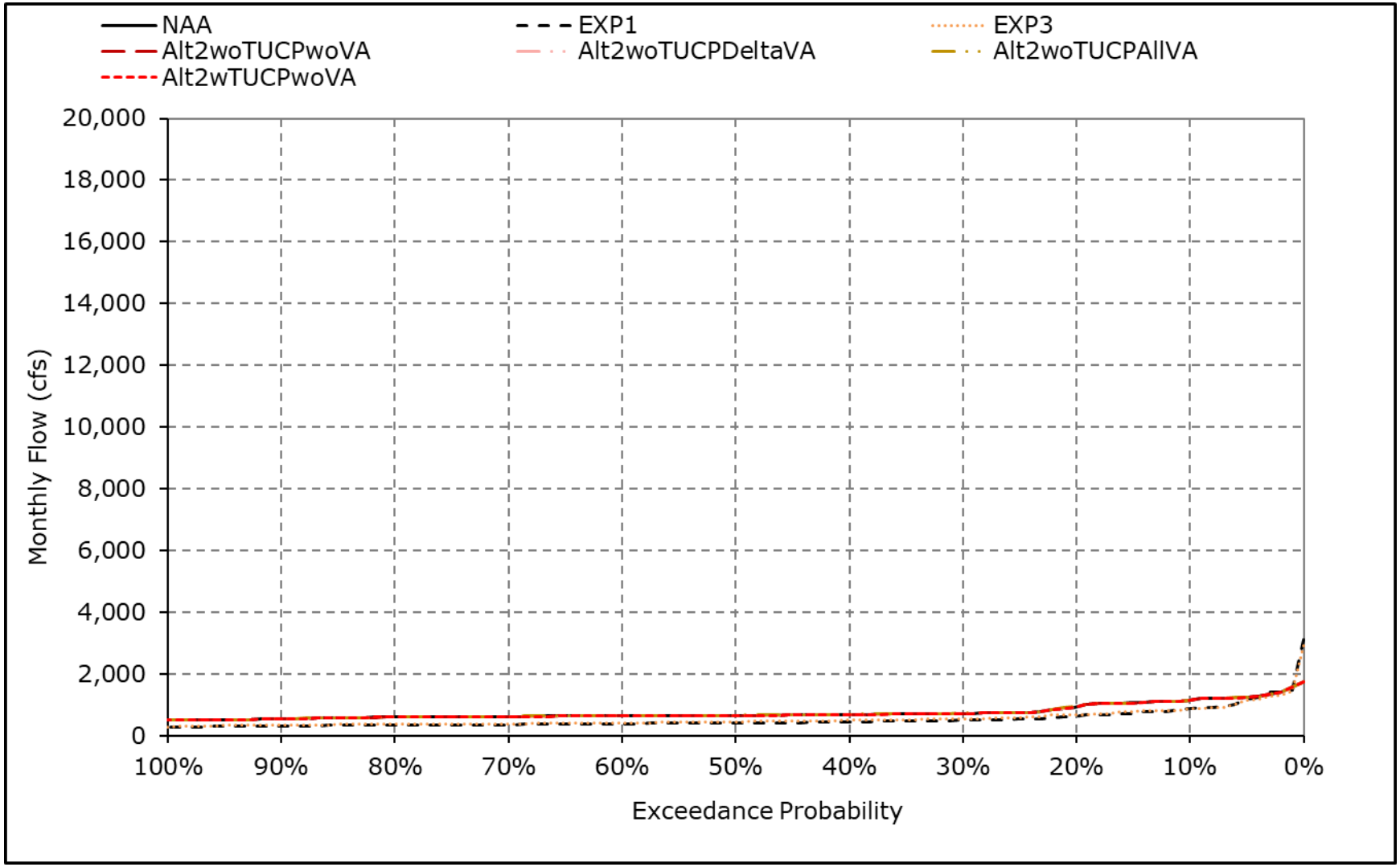
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-16. San Joaquin River Flow below confluence with Merced , July



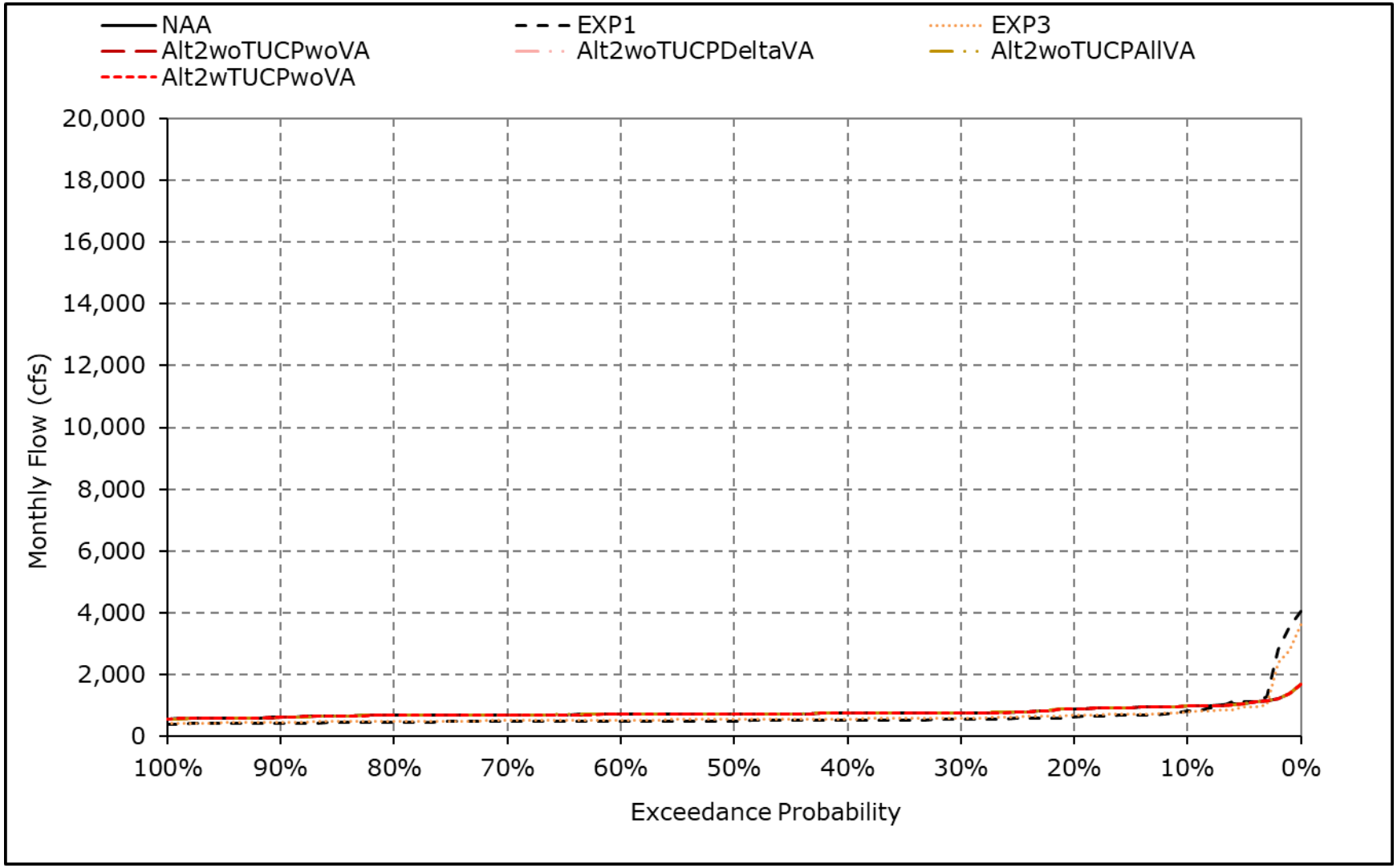
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-17. San Joaquin River Flow below confluence with Merced , August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-18-18. San Joaquin River Flow below confluence with Merced , September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-19-1a. Stanislaus River Flow below Goodwin, NAA, 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

Table F.2.2-19-1b. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	951	1,479
20% Exceedance	774	200	241	753	1,565	1,217	1,537	1,242	363	265	286	250
30% Exceedance	774	200	200	200	905	447	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	396	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	527	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	906	657	889	1,619	2,155	1,783	1,743	2,301	782	289	941	1,096
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	440	345	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	365	374	390	249

Table F.2.2-19-1c. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-11	161	-61	224	0	-17	47	0	0	621	127
20% Exceedance	-23	0	34	0	-9	-112	-17	-313	-577	-35	-14	-50
30% Exceedance	0	0	0	-32	30	-116	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	160	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	0	33	-39	67	-33	-81	-32	-6	34	52	8
Wet Water Years (22%)	-6	0	45	-148	0	-119	21	30	-180	-11	72	30
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	30	-63	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	74	2	120	15	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	87	0	0	0	110	108	107	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-2a. Stanislaus River Flow below Goodwin, NAA, 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

Table F.2.2-19-2b. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	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	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]	706	307	528	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	907	660	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

Table F.2.2-19-2c. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA minus NAA, 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	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%)	-5	3	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 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-3a. Stanislaus River Flow below Goodwin, NAA, 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

Table F.2.2-19-3b. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	273	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	307	527	798	1,045	769	944	1,045	434	307	464	437
Wet Water Years (22%)	905	660	890	1,618	2,153	1,783	1,744	2,300	782	289	941	1,095
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,038	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	441	345	486	509	255	265	283	249
Critical Water Years (34%)	577	200	227	246	435	208	460	400	365	374	390	249

Table F.2.2-19-3c. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	13	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	-117	-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	-40	66	-33	-81	-33	-6	34	52	7
Wet Water Years (22%)	-8	3	46	-149	-3	-119	21	29	-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	-11	29	-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	-15	88	0	0	0	110	108	107	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-4a. Stanislaus River Flow below Goodwin, NAA, 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

Table F.2.2-19-4b. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	823	1,479
20% Exceedance	774	200	241	811	1,565	1,233	1,537	1,242	363	265	283	250
30% Exceedance	774	200	200	200	944	478	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	420	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	307	527	806	1,048	782	944	1,047	422	295	452	438
Wet Water Years (22%)	906	659	889	1,619	2,155	1,784	1,744	2,307	782	289	941	1,097
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,253	805	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	317	447	351	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	329	338	355	249

Table F.2.2-19-4c. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-10	162	-61	224	0	-17	47	0	0	493	127
20% Exceedance	-23	0	34	58	-9	-95	-17	-313	-577	-35	-17	-50
30% Exceedance	0	0	0	-32	69	-86	-112	0	0	0	0	0
40% Exceedance	0	0	0	-26	184	0	-633	0	0	0	0	0
50% Exceedance	-69	0	0	-26	157	0	-295	0	0	0	0	0
60% Exceedance	-58	0	0	-19	118	0	-9	-231	0	0	0	0
70% Exceedance	0	0	0	-13	72	0	0	0	0	0	0	0
80% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
90% Exceedance	0	0	0	-13	79	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-11	1	33	-32	70	-20	-81	-31	-18	22	40	8
Wet Water Years (22%)	-6	2	45	-148	0	-118	21	36	-180	-11	72	31
Above Normal Water Years (12%)	0	3	12	-8	103	4	-105	0	0	0	0	8
Below Normal Water Years (15%)	-28	0	51	-9	45	16	-321	-122	-22	0	0	0
Dry Water Years (17%)	-31	0	75	44	126	20	-144	-122	0	0	0	0
Critical Water Years (34%)	0	0	4	-14	87	0	0	0	73	71	72	0

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-5a. Stanislaus River Flow below Goodwin, NAA, 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

Table F.2.2-19-5b. Stanislaus River Flow below Goodwin, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,001	833	1,670	2,982	3,724	2,812	1,408	2,343	633	372	2,163	1,693
20% Exceedance	825	454	927	1,685	2,466	1,423	1,326	1,159	571	332	261	1,507
30% Exceedance	699	284	435	895	1,874	794	1,296	933	376	296	222	253
40% Exceedance	680	173	197	487	1,512	351	1,192	881	282	267	201	186
50% Exceedance	656	165	191	233	929	165	608	455	137	219	188	173
60% Exceedance	538	157	185	181	489	134	329	355	112	156	170	162
70% Exceedance	507	151	181	169	213	117	298	196	91	124	161	150
80% Exceedance	484	147	179	153	196	81	276	156	76	37	138	133
90% Exceedance	475	142	167	140	167	51	259	131	55	21	133	109
Full Simulation Period Average[a]	695	439	758	1,076	1,565	851	856	928	283	206	528	551
Wet Water Years (22%)	966	827	1,045	2,442	3,447	2,161	1,638	2,576	689	33	1,731	1,503
Above Normal Water Years (12%)	871	425	1,299	1,575	2,102	1,344	1,276	895	78	136	286	684
Below Normal Water Years (15%)	762	418	680	1,250	1,853	765	1,141	919	72	147	204	415
Dry Water Years (17%)	565	524	838	440	749	343	448	375	78	296	157	163
Critical Water Years (34%)	482	152	349	258	438	123	280	153	288	323	163	142

Table F.2.2-19-5c. Stanislaus River Flow below Goodwin, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	204	574	664	478	1,146	462	-145	525	-307	72	1,833	341
20% Exceedance	28	254	720	932	892	95	-228	-395	-369	32	-39	1,207
30% Exceedance	-76	84	235	663	999	230	-257	-309	12	31	-61	3
40% Exceedance	-94	-27	-3	261	1,276	151	-208	-361	-81	2	-82	-64
50% Exceedance	-49	-35	-9	7	700	-35	-159	-175	-118	-46	-95	-76
60% Exceedance	-97	-43	-15	-39	268	-66	-140	-275	-143	-110	-113	-87
70% Exceedance	-70	-49	-19	-44	-8	-83	-162	-204	-165	-141	-122	-99
80% Exceedance	-94	-53	-21	-60	-18	-119	-184	-244	-180	-228	-145	-116
90% Exceedance	-102	-58	-33	-73	-47	-149	-201	-269	-200	-244	-150	-140
Full Simulation Period Average[a]	-21	133	264	238	587	50	-169	-150	-157	-67	116	121
Wet Water Years (22%)	54	170	201	675	1,292	259	-84	306	-272	-267	862	438
Above Normal Water Years (12%)	97	185	634	265	847	193	-211	-347	-286	-129	3	424
Below Normal Water Years (15%)	-12	218	322	200	645	-24	-215	-323	-291	-118	-79	165
Dry Water Years (17%)	-70	324	282	167	429	12	-182	-255	-178	31	-126	-86
Critical Water Years (34%)	-95	-48	125	-2	92	-85	-181	-247	33	57	-120	-107

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-6a. Stanislaus River Flow below Goodwin, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	298	946	2,879	3,860	4,232	3,881	3,698	4,915	1,577	429	528	411
20% Exceedance	186	503	1,378	2,355	2,831	2,656	2,826	3,309	669	300	439	319
30% Exceedance	125	401	1,075	1,765	2,288	2,199	2,240	2,459	310	219	379	225
40% Exceedance	88	333	793	1,317	1,811	1,719	1,782	1,795	217	185	285	177
50% Exceedance	55	252	545	1,013	1,558	1,397	1,363	910	168	139	227	116
60% Exceedance	44	211	455	834	1,242	1,109	837	249	96	65	183	79
70% Exceedance	24	175	361	521	1,035	851	479	109	8	30	142	55
80% Exceedance	13	127	273	361	596	532	184	23	0	1	18	34
90% Exceedance	6	41	226	242	456	140	22	7	0	0	8	12
Full Simulation Period Average[a]	127	499	1,144	1,646	2,065	1,798	1,646	1,695	574	171	255	174
Wet Water Years (22%)	227	758	1,090	3,811	3,943	3,595	3,494	4,333	1,968	97	41	67
Above Normal Water Years (12%)	121	468	1,502	1,905	2,474	2,441	2,183	2,089	360	68	242	130
Below Normal Water Years (15%)	129	529	997	1,881	2,795	1,853	2,052	2,024	118	112	272	132
Dry Water Years (17%)	122	805	1,742	868	1,265	1,463	1,201	737	96	269	399	231
Critical Water Years (34%)	65	166	796	439	785	551	303	182	187	233	318	250

Table F.2.2-19-6b. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	951	1,479
20% Exceedance	774	200	241	753	1,565	1,217	1,537	1,242	363	265	286	250
30% Exceedance	774	200	200	200	905	447	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	396	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	306	527	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	906	657	889	1,619	2,155	1,783	1,743	2,301	782	289	941	1,096
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	440	345	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	365	374	390	249

Table F.2.2-19-6c. Stanislaus River Flow below Goodwin, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	499	-697	-1,712	-1,416	-1,431	-1,531	-2,161	-3,050	-637	-129	423	1,068
20% Exceedance	589	-303	-1,138	-1,601	-1,265	-1,440	-1,289	-2,067	-306	-35	-153	-69
30% Exceedance	649	-201	-875	-1,565	-1,382	-1,751	-799	-1,217	53	46	-96	25
40% Exceedance	686	-133	-593	-1,117	-1,415	-1,519	-1,016	-553	146	80	-2	73
50% Exceedance	581	-52	-345	-813	-1,172	-1,197	-891	-280	88	126	56	132
60% Exceedance	534	-11	-255	-634	-902	-909	-377	151	160	200	100	170
70% Exceedance	553	25	-161	-321	-742	-651	-19	291	247	235	141	194
80% Exceedance	564	73	-73	-161	-303	-332	276	377	255	264	265	215
90% Exceedance	572	159	-26	-42	-163	60	438	393	255	265	275	237
Full Simulation Period Average[a]	578	-192	-616	-847	-1,020	-1,029	-702	-649	-140	136	209	263
Wet Water Years (22%)	679	-101	-201	-2,192	-1,788	-1,812	-1,751	-2,032	-1,187	192	900	1,029
Above Normal Water Years (12%)	653	-224	-825	-603	-1,117	-1,287	-800	-847	3	197	41	138
Below Normal Water Years (15%)	617	-329	-588	-841	-1,557	-1,127	-1,017	-904	223	153	11	118
Dry Water Years (17%)	483	-605	-1,111	-593	-824	-1,118	-715	-229	159	-4	-116	17
Critical Water Years (34%)	513	34	-569	-192	-351	-344	157	218	178	141	72	-1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-7a. Stanislaus River Flow below Goodwin, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	298	946	2,879	3,860	4,232	3,881	3,698	4,915	1,577	429	528	411
20% Exceedance	186	503	1,378	2,355	2,831	2,656	2,826	3,309	669	300	439	319
30% Exceedance	125	401	1,075	1,765	2,288	2,199	2,240	2,459	310	219	379	225
40% Exceedance	88	333	793	1,317	1,811	1,719	1,782	1,795	217	185	285	177
50% Exceedance	55	252	545	1,013	1,558	1,397	1,363	910	168	139	227	116
60% Exceedance	44	211	455	834	1,242	1,109	837	249	96	65	183	79
70% Exceedance	24	175	361	521	1,035	851	479	109	8	30	142	55
80% Exceedance	13	127	273	361	596	532	184	23	0	1	18	34
90% Exceedance	6	41	226	242	456	140	22	7	0	0	8	12
Full Simulation Period Average[a]	127	499	1,144	1,646	2,065	1,798	1,646	1,695	574	171	255	174
Wet Water Years (22%)	227	758	1,090	3,811	3,943	3,595	3,494	4,333	1,968	97	41	67
Above Normal Water Years (12%)	121	468	1,502	1,905	2,474	2,441	2,183	2,089	360	68	242	130
Below Normal Water Years (15%)	129	529	997	1,881	2,795	1,853	2,052	2,024	118	112	272	132
Dry Water Years (17%)	122	805	1,742	868	1,265	1,463	1,201	737	96	269	399	231
Critical Water Years (34%)	65	166	796	439	785	551	303	182	187	233	318	250

Table F.2.2-19-7b. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	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	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]	706	307	528	799	1,045	769	944	1,046	434	307	464	438
Wet Water Years (22%)	907	660	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

Table F.2.2-19-7c. Stanislaus River Flow below Goodwin, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	499	-671	-1,712	-1,416	-1,431	-1,531	-2,161	-3,050	-637	-129	423	1,068
20% Exceedance	589	-303	-1,138	-1,601	-1,265	-1,440	-1,289	-2,067	-306	-35	-153	-69
30% Exceedance	649	-201	-875	-1,565	-1,382	-1,751	-799	-1,217	53	46	-96	25
40% Exceedance	686	-133	-593	-1,117	-1,407	-1,519	-1,016	-553	146	80	-2	73
50% Exceedance	581	-52	-345	-813	-1,172	-1,197	-891	-280	88	126	56	132
60% Exceedance	534	-11	-255	-634	-902	-909	-377	151	160	200	100	170
70% Exceedance	553	25	-161	-321	-742	-651	-19	291	247	235	141	194
80% Exceedance	564	73	-73	-161	-303	-332	276	377	255	264	265	215
90% Exceedance	572	159	-26	-42	-163	60	438	393	255	265	275	237
Full Simulation Period Average[a]	578	-192	-616	-847	-1,020	-1,029	-702	-649	-140	136	209	263
Wet Water Years (22%)	680	-98	-200	-2,192	-1,788	-1,812	-1,750	-2,032	-1,187	192	900	1,029
Above Normal Water Years (12%)	653	-224	-825	-603	-1,117	-1,287	-800	-847	3	197	41	138
Below Normal Water Years (15%)	617	-329	-588	-841	-1,557	-1,127	-1,017	-904	223	153	11	118
Dry Water Years (17%)	483	-605	-1,111	-593	-824	-1,118	-715	-229	159	-4	-116	17
Critical Water Years (34%)	513	34	-569	-192	-350	-344	157	218	178	141	72	-1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-8a. Stanislaus River Flow below Goodwin, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	298	946	2,879	3,860	4,232	3,881	3,698	4,915	1,577	429	528	411
20% Exceedance	186	503	1,378	2,355	2,831	2,656	2,826	3,309	669	300	439	319
30% Exceedance	125	401	1,075	1,765	2,288	2,199	2,240	2,459	310	219	379	225
40% Exceedance	88	333	793	1,317	1,811	1,719	1,782	1,795	217	185	285	177
50% Exceedance	55	252	545	1,013	1,558	1,397	1,363	910	168	139	227	116
60% Exceedance	44	211	455	834	1,242	1,109	837	249	96	65	183	79
70% Exceedance	24	175	361	521	1,035	851	479	109	8	30	142	55
80% Exceedance	13	127	273	361	596	532	184	23	0	1	18	34
90% Exceedance	6	41	226	242	456	140	22	7	0	0	8	12
Full Simulation Period Average[a]	127	499	1,144	1,646	2,065	1,798	1,646	1,695	574	171	255	174
Wet Water Years (22%)	227	758	1,090	3,811	3,943	3,595	3,494	4,333	1,968	97	41	67
Above Normal Water Years (12%)	121	468	1,502	1,905	2,474	2,441	2,183	2,089	360	68	242	130
Below Normal Water Years (15%)	129	529	997	1,881	2,795	1,853	2,052	2,024	118	112	272	132
Dry Water Years (17%)	122	805	1,742	868	1,265	1,463	1,201	737	96	269	399	231
Critical Water Years (34%)	65	166	796	439	785	551	303	182	187	233	318	250

Table F.2.2-19-8b. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	273	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	307	527	798	1,045	769	944	1,045	434	307	464	437
Wet Water Years (22%)	905	660	890	1,618	2,153	1,783	1,744	2,300	782	289	941	1,095
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,038	1,238	726	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	275	441	345	486	509	255	265	283	249
Critical Water Years (34%)	577	200	227	246	435	208	460	400	365	374	390	249

Table F.2.2-19-8c. Stanislaus River Flow below Goodwin, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	499	-674	-1,712	-1,416	-1,432	-1,531	-2,161	-3,050	-637	-129	423	1,068
20% Exceedance	589	-303	-1,138	-1,601	-1,266	-1,440	-1,289	-2,067	-306	-35	-153	-69
30% Exceedance	649	-201	-875	-1,565	-1,382	-1,752	-799	-1,217	53	46	-96	25
40% Exceedance	686	-133	-593	-1,117	-1,407	-1,519	-1,016	-553	146	80	-2	73
50% Exceedance	581	-52	-345	-813	-1,172	-1,197	-891	-280	88	126	56	132
60% Exceedance	534	-11	-255	-634	-902	-909	-377	151	160	200	100	170
70% Exceedance	553	25	-161	-321	-742	-651	-19	291	247	235	141	194
80% Exceedance	564	73	-73	-161	-303	-332	276	377	255	264	265	215
90% Exceedance	572	159	-26	-42	-163	60	438	393	255	265	275	237
Full Simulation Period Average[a]	578	-192	-616	-847	-1,021	-1,029	-702	-649	-140	136	209	263
Wet Water Years (22%)	677	-98	-200	-2,193	-1,790	-1,812	-1,750	-2,033	-1,187	192	900	1,029
Above Normal Water Years (12%)	653	-224	-825	-603	-1,117	-1,288	-800	-847	3	197	41	138
Below Normal Water Years (15%)	617	-329	-588	-843	-1,557	-1,127	-1,017	-904	223	153	11	118
Dry Water Years (17%)	483	-605	-1,111	-593	-824	-1,118	-715	-229	159	-4	-116	17
Critical Water Years (34%)	513	34	-569	-192	-350	-344	157	218	178	141	72	-1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-9a. Stanislaus River Flow below Goodwin, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	298	946	2,879	3,860	4,232	3,881	3,698	4,915	1,577	429	528	411
20% Exceedance	186	503	1,378	2,355	2,831	2,656	2,826	3,309	669	300	439	319
30% Exceedance	125	401	1,075	1,765	2,288	2,199	2,240	2,459	310	219	379	225
40% Exceedance	88	333	793	1,317	1,811	1,719	1,782	1,795	217	185	285	177
50% Exceedance	55	252	545	1,013	1,558	1,397	1,363	910	168	139	227	116
60% Exceedance	44	211	455	834	1,242	1,109	837	249	96	65	183	79
70% Exceedance	24	175	361	521	1,035	851	479	109	8	30	142	55
80% Exceedance	13	127	273	361	596	532	184	23	0	1	18	34
90% Exceedance	6	41	226	242	456	140	22	7	0	0	8	12
Full Simulation Period Average[a]	127	499	1,144	1,646	2,065	1,798	1,646	1,695	574	171	255	174
Wet Water Years (22%)	227	758	1,090	3,811	3,943	3,595	3,494	4,333	1,968	97	41	67
Above Normal Water Years (12%)	121	468	1,502	1,905	2,474	2,441	2,183	2,089	360	68	242	130
Below Normal Water Years (15%)	129	529	997	1,881	2,795	1,853	2,052	2,024	118	112	272	132
Dry Water Years (17%)	122	805	1,742	868	1,265	1,463	1,201	737	96	269	399	231
Critical Water Years (34%)	65	166	796	439	785	551	303	182	187	233	318	250

Table F.2.2-19-9b. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	797	249	1,167	2,443	2,801	2,350	1,537	1,865	940	300	823	1,479
20% Exceedance	774	200	241	811	1,565	1,233	1,537	1,242	363	265	283	250
30% Exceedance	774	200	200	200	944	478	1,441	1,242	363	265	283	250
40% Exceedance	774	200	200	200	420	200	767	1,242	363	265	283	250
50% Exceedance	636	200	200	200	386	200	472	631	255	265	283	249
60% Exceedance	577	200	200	200	339	200	460	400	255	265	283	249
70% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
80% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
90% Exceedance	577	200	200	200	293	200	460	400	255	265	283	249
Full Simulation Period Average[a]	705	307	527	806	1,048	782	944	1,047	422	295	452	438
Wet Water Years (22%)	906	659	889	1,619	2,155	1,784	1,744	2,307	782	289	941	1,097
Above Normal Water Years (12%)	774	244	677	1,302	1,357	1,154	1,383	1,242	363	265	283	268
Below Normal Water Years (15%)	746	200	409	1,041	1,253	805	1,035	1,120	342	265	283	250
Dry Water Years (17%)	605	200	631	317	447	351	486	509	255	265	283	249
Critical Water Years (34%)	577	200	228	246	434	208	460	400	329	338	355	249

Table F.2.2-19-9c. Stanislaus River Flow below Goodwin, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	499	-697	-1,712	-1,416	-1,431	-1,531	-2,161	-3,050	-637	-129	295	1,068
20% Exceedance	589	-303	-1,138	-1,543	-1,265	-1,423	-1,289	-2,067	-306	-35	-156	-69
30% Exceedance	649	-201	-875	-1,565	-1,344	-1,721	-799	-1,217	53	46	-96	25
40% Exceedance	686	-133	-593	-1,117	-1,392	-1,519	-1,016	-553	146	80	-2	73
50% Exceedance	581	-52	-345	-813	-1,172	-1,197	-891	-280	88	126	56	132
60% Exceedance	534	-11	-255	-634	-902	-909	-377	151	160	200	100	170
70% Exceedance	553	25	-161	-321	-742	-651	-19	291	247	235	141	194
80% Exceedance	564	73	-73	-161	-303	-332	276	377	255	264	265	215
90% Exceedance	572	159	-26	-42	-163	60	438	393	255	265	275	237
Full Simulation Period Average[a]	578	-192	-616	-840	-1,017	-1,016	-702	-648	-152	124	197	263
Wet Water Years (22%)	679	-100	-200	-2,192	-1,788	-1,812	-1,750	-2,026	-1,187	192	900	1,031
Above Normal Water Years (12%)	653	-224	-825	-603	-1,117	-1,287	-800	-847	3	197	41	138
Below Normal Water Years (15%)	617	-329	-588	-841	-1,542	-1,048	-1,017	-904	223	153	11	118
Dry Water Years (17%)	483	-605	-1,111	-551	-818	-1,113	-715	-229	159	-4	-116	17
Critical Water Years (34%)	513	34	-568	-192	-351	-344	157	218	141	105	37	-1

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-19-10a. Stanislaus River Flow below Goodwin, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	298	946	2,879	3,860	4,232	3,881	3,698	4,915	1,577	429	528	411
20% Exceedance	186	503	1,378	2,355	2,831	2,656	2,826	3,309	669	300	439	319
30% Exceedance	125	401	1,075	1,765	2,288	2,199	2,240	2,459	310	219	379	225
40% Exceedance	88	333	793	1,317	1,811	1,719	1,782	1,795	217	185	285	177
50% Exceedance	55	252	545	1,013	1,558	1,397	1,363	910	168	139	227	116
60% Exceedance	44	211	455	834	1,242	1,109	837	249	96	65	183	79
70% Exceedance	24	175	361	521	1,035	851	479	109	8	30	142	55
80% Exceedance	13	127	273	361	596	532	184	23	0	1	18	34
90% Exceedance	6	41	226	242	456	140	22	7	0	0	8	12
Full Simulation Period Average[a]	127	499	1,144	1,646	2,065	1,798	1,646	1,695	574	171	255	174
Wet Water Years (22%)	227	758	1,090	3,811	3,943	3,595	3,494	4,333	1,968	97	41	67
Above Normal Water Years (12%)	121	468	1,502	1,905	2,474	2,441	2,183	2,089	360	68	242	130
Below Normal Water Years (15%)	129	529	997	1,881	2,795	1,853	2,052	2,024	118	112	272	132
Dry Water Years (17%)	122	805	1,742	868	1,265	1,463	1,201	737	96	269	399	231
Critical Water Years (34%)	65	166	796	439	785	551	303	182	187	233	318	250

Table F.2.2-19-10b. Stanislaus River Flow below Goodwin, NAA, 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

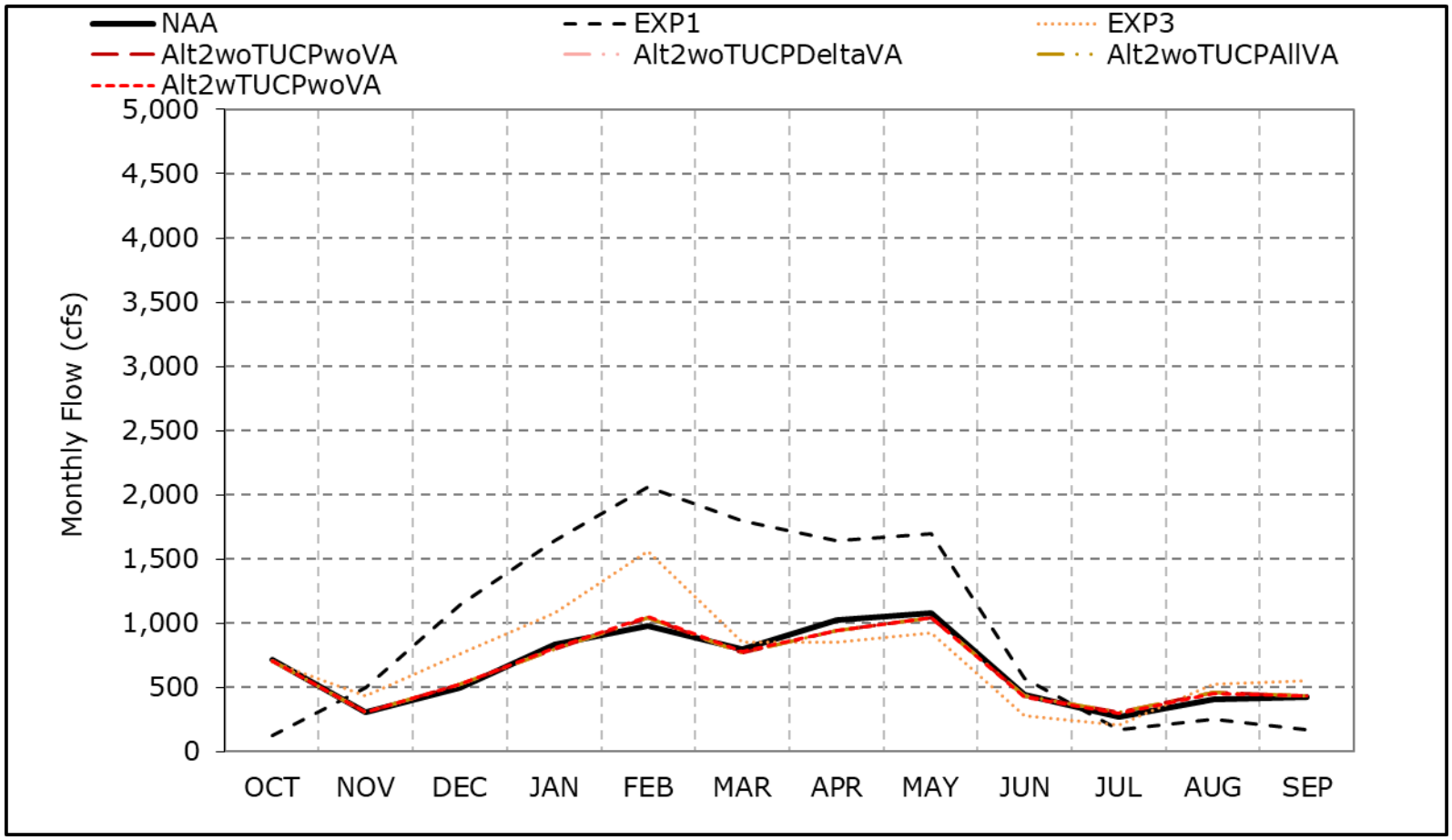
Table F.2.2-19-10c. Stanislaus River Flow below Goodwin, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	499	-687	-1,873	-1,356	-1,655	-1,531	-2,144	-3,097	-637	-129	-198	941
20% Exceedance	611	-303	-1,171	-1,601	-1,257	-1,328	-1,273	-1,755	271	0	-139	-19
30% Exceedance	649	-201	-875	-1,533	-1,413	-1,635	-687	-1,217	53	46	-96	25
40% Exceedance	686	-133	-593	-1,091	-1,576	-1,519	-382	-553	146	80	-2	73
50% Exceedance	650	-52	-345	-787	-1,329	-1,197	-597	-280	88	126	56	132
60% Exceedance	592	-11	-255	-615	-1,020	-909	-368	382	160	200	100	170
70% Exceedance	553	25	-161	-308	-814	-651	-19	291	247	235	141	194
80% Exceedance	564	73	-73	-148	-381	-332	276	377	255	264	265	215
90% Exceedance	572	159	-26	-29	-242	60	438	393	255	265	275	237
Full Simulation Period Average[a]	589	-193	-649	-807	-1,087	-997	-621	-617	-134	102	157	256
Wet Water Years (22%)	685	-101	-245	-2,043	-1,787	-1,693	-1,772	-2,062	-1,006	203	828	999
Above Normal Water Years (12%)	653	-228	-837	-596	-1,220	-1,291	-695	-847	3	197	41	130
Below Normal Water Years (15%)	645	-329	-640	-832	-1,586	-1,064	-696	-782	245	153	11	118
Dry Water Years (17%)	514	-605	-1,186	-595	-944	-1,133	-571	-106	159	-4	-116	17
Critical Water Years (34%)	513	34	-572	-178	-438	-344	157	218	68	34	-35	-1

[a] Based on the 100-year simulation period.

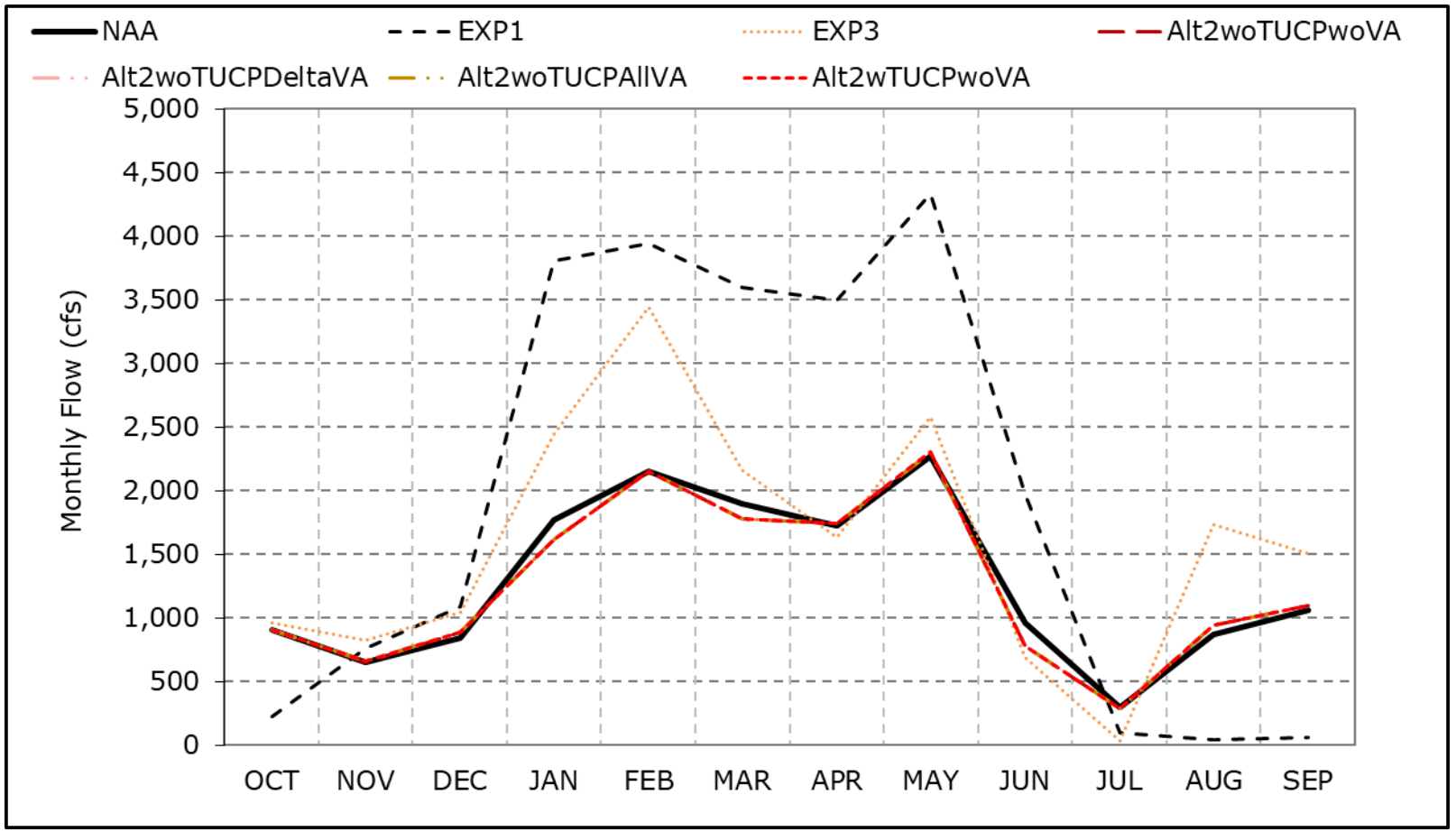
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-19-1. Stanislaus River Flow below Goodwin, Long-Term Average Flow



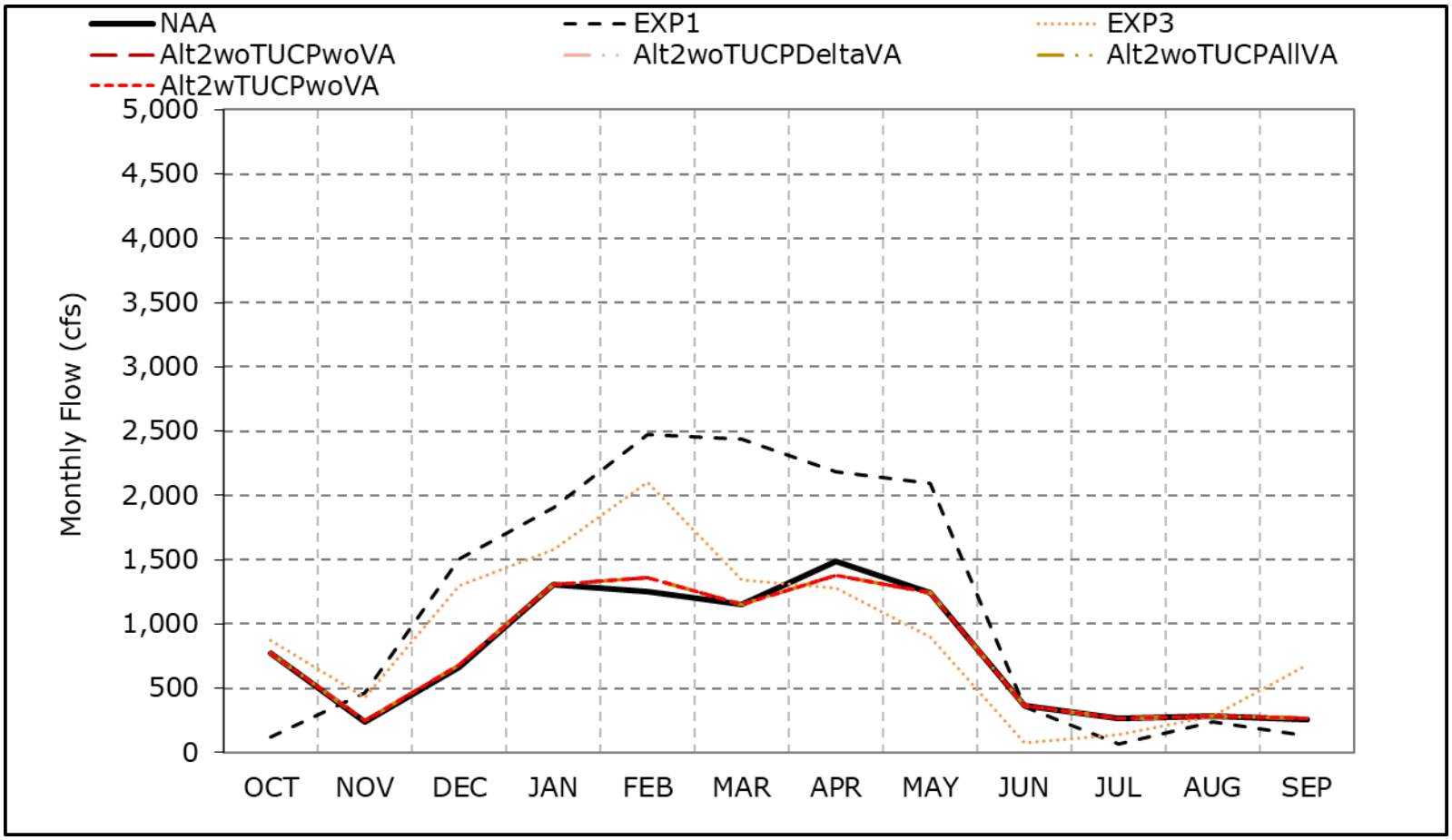
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-2. Stanislaus River Flow below Goodwin, Wet Year Average Flow



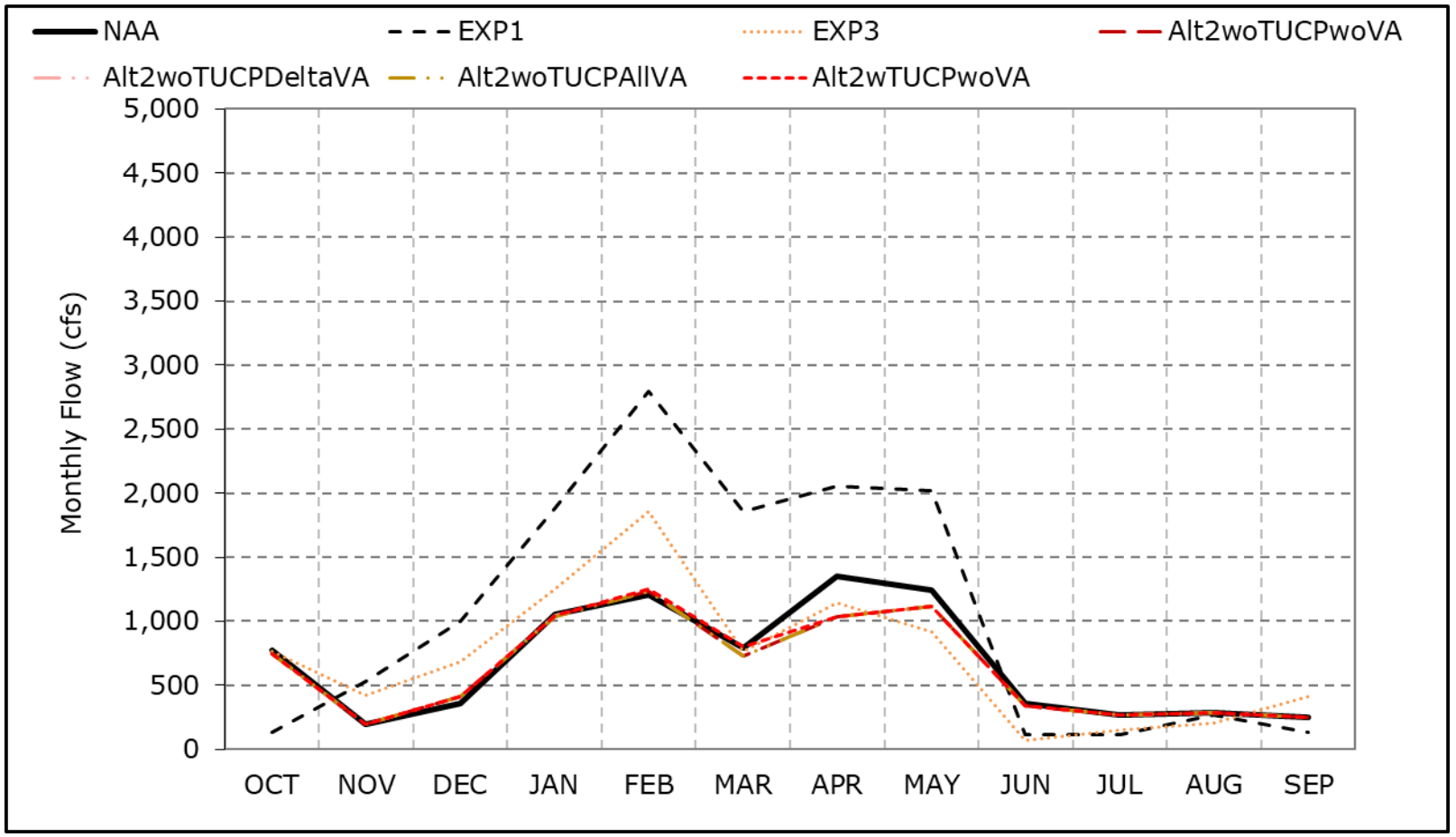
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-3. Stanislaus River Flow below Goodwin, Above Normal Year Average Flow



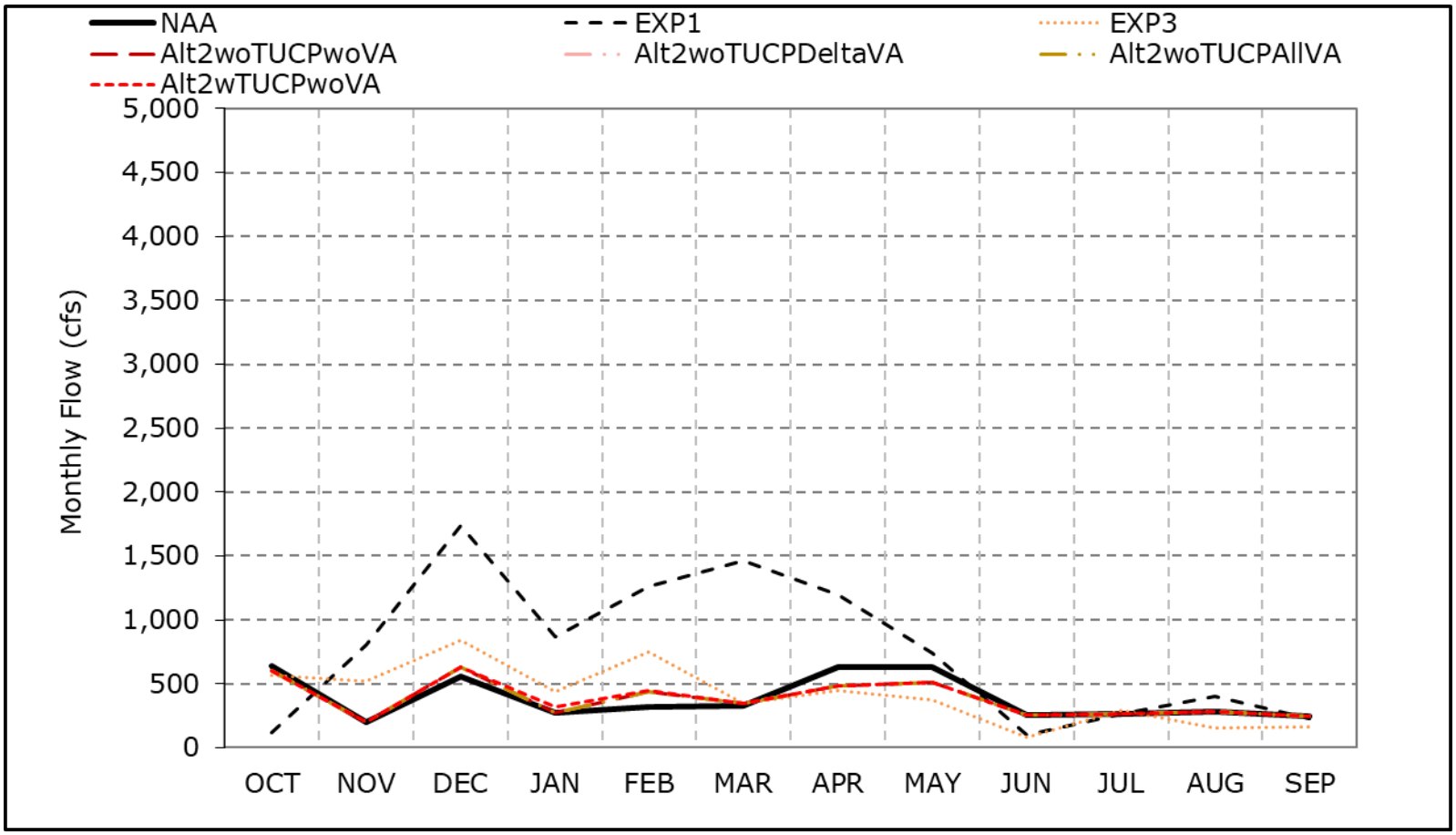
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-4. Stanislaus River Flow below Goodwin, Below Normal Year Average Flow



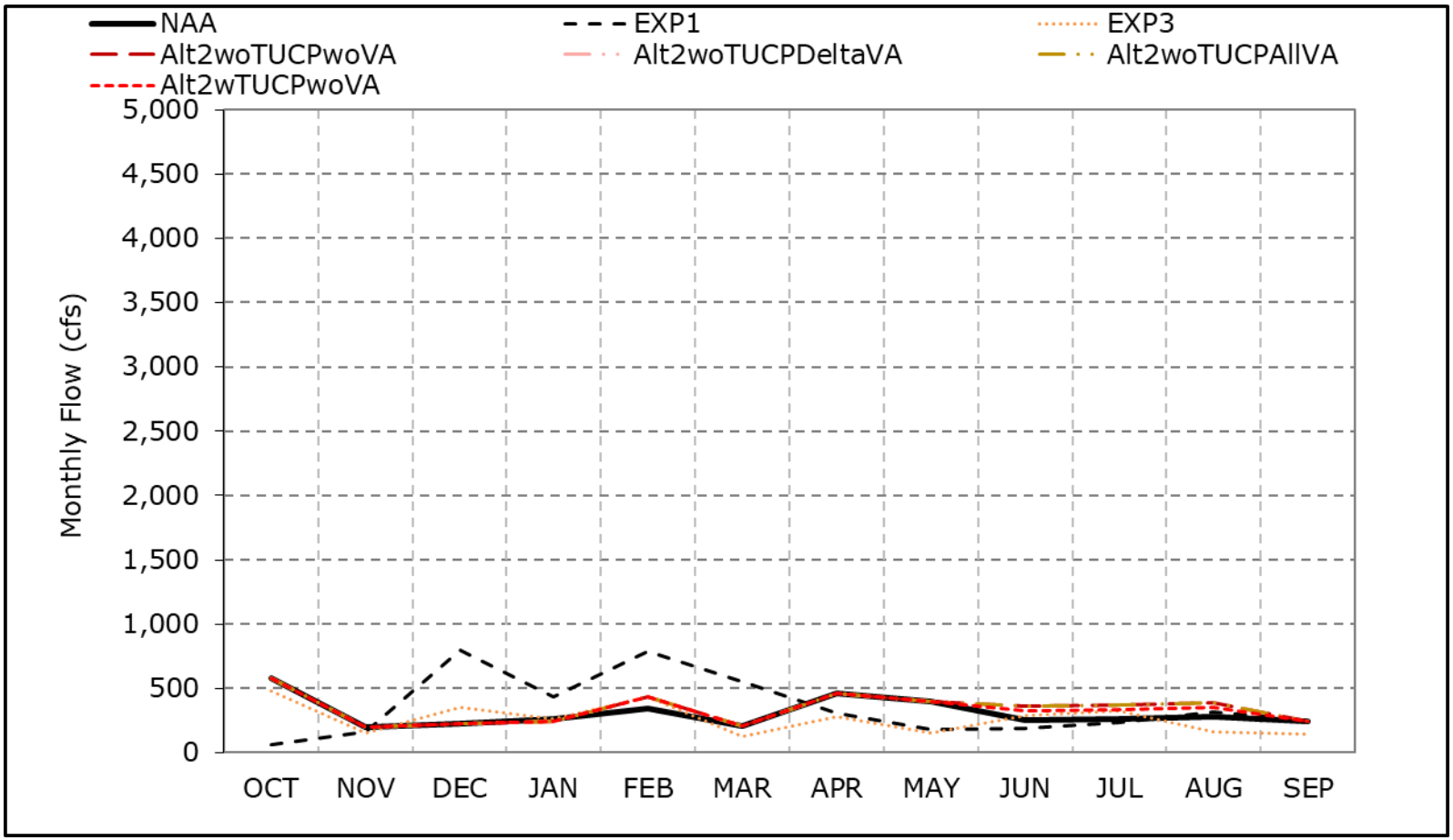
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-5. Stanislaus River Flow below Goodwin, Dry Year Average Flow



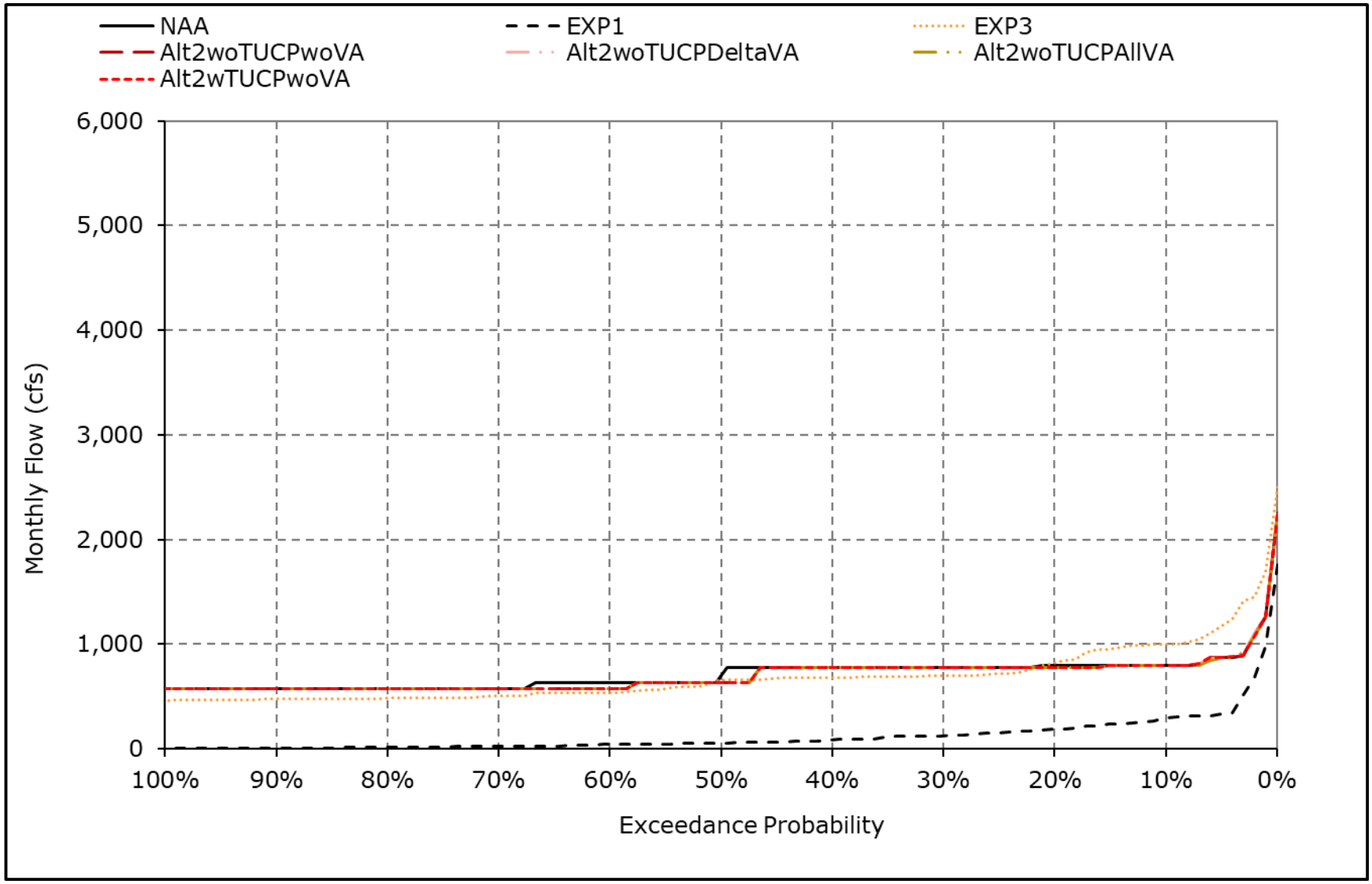
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-6. Stanislaus River Flow below Goodwin, Critical Year Average Flow



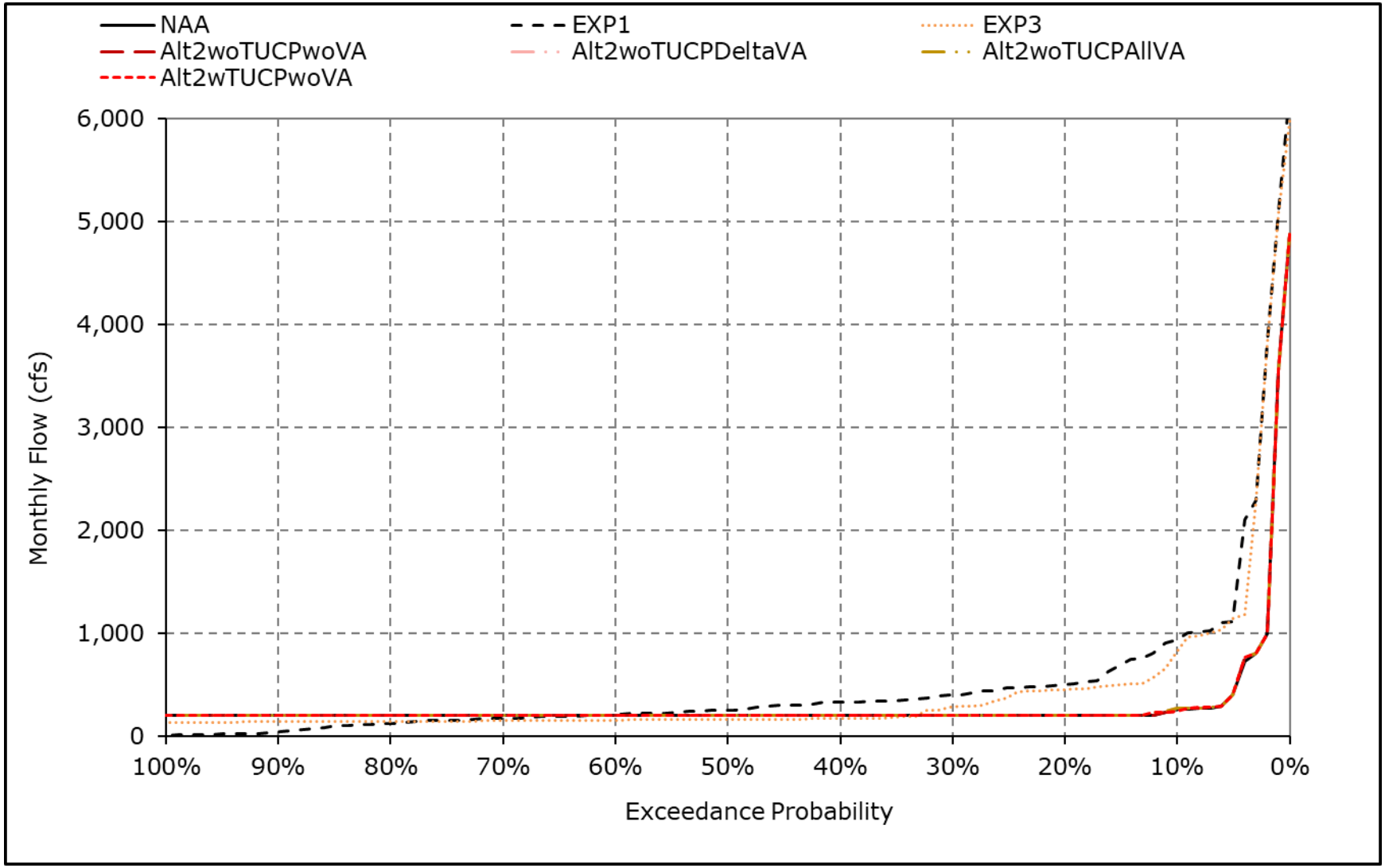
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-7. Stanislaus River Flow below Goodwin, October



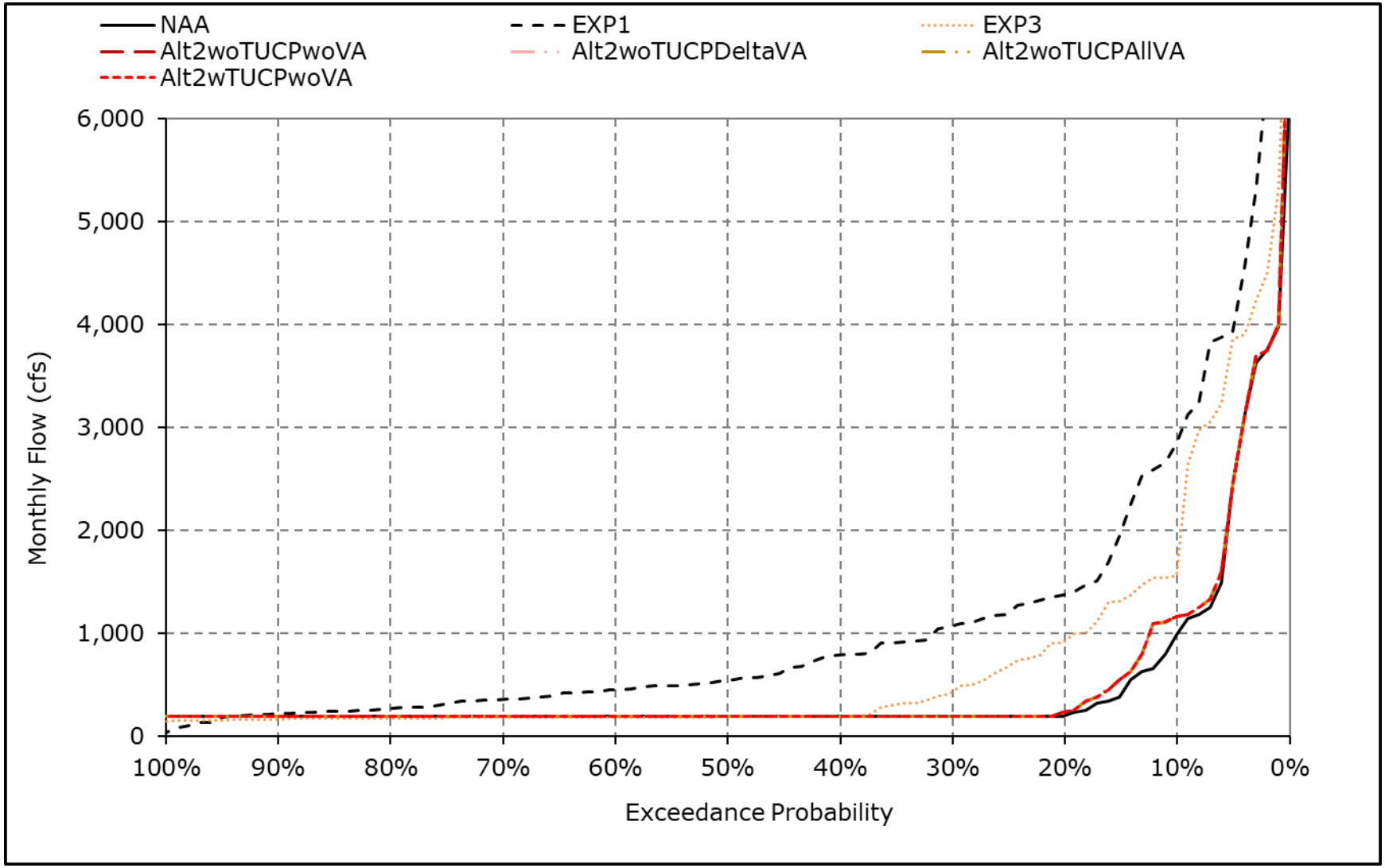
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-8. Stanislaus River Flow below Goodwin, November



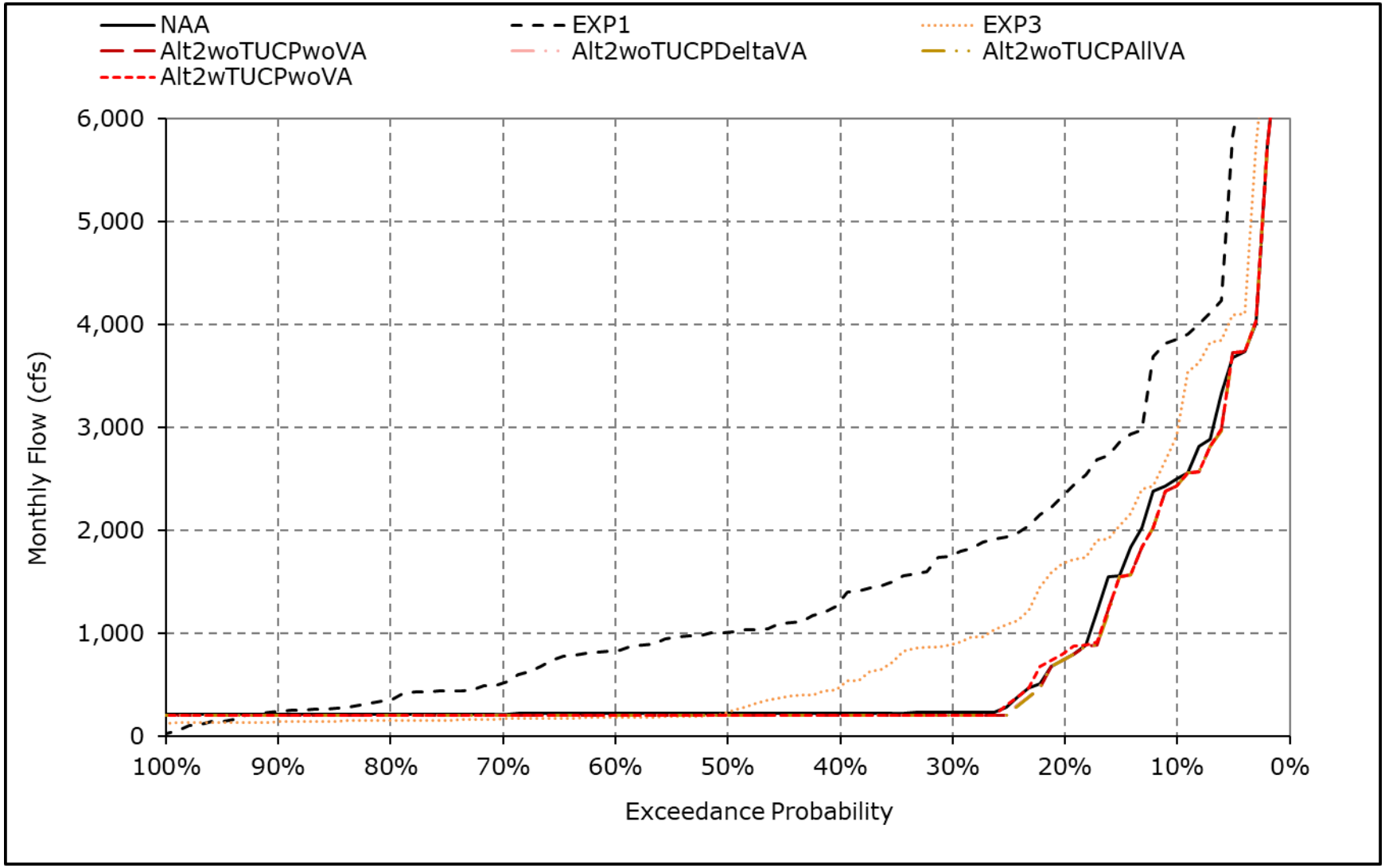
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-9. Stanislaus River Flow below Goodwin, December



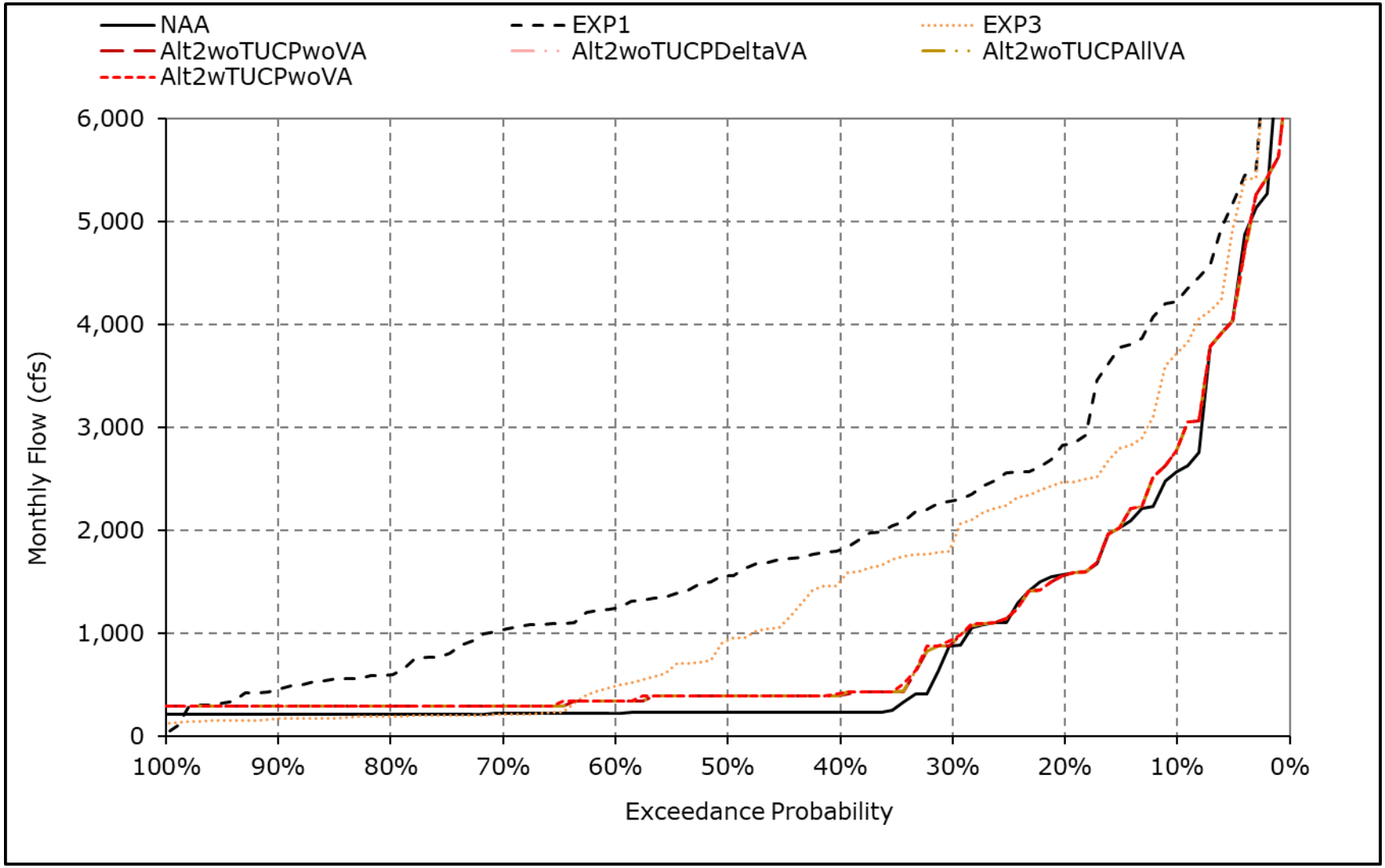
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-10. Stanislaus River Flow below Goodwin, January



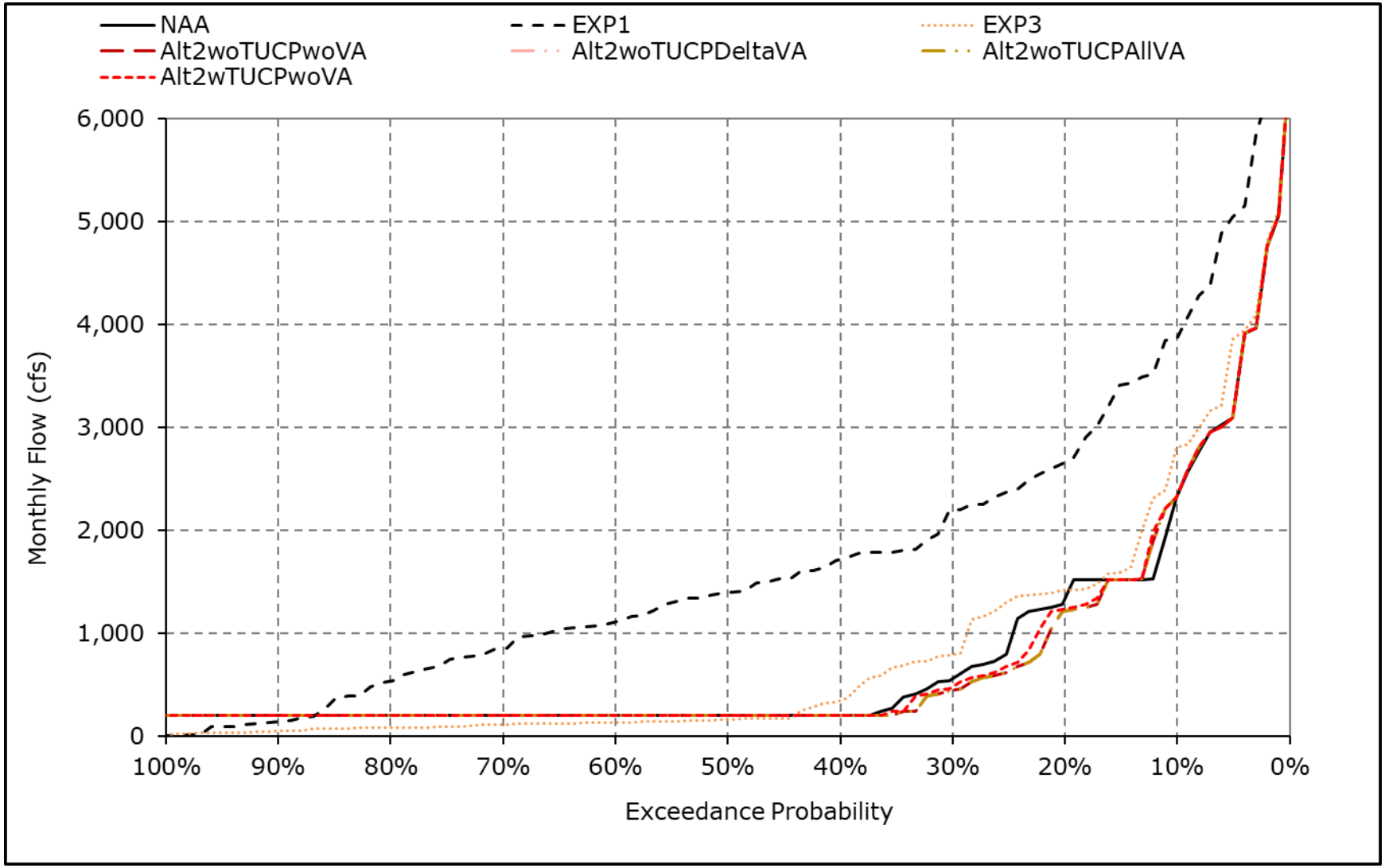
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-11. Stanislaus River Flow below Goodwin, February



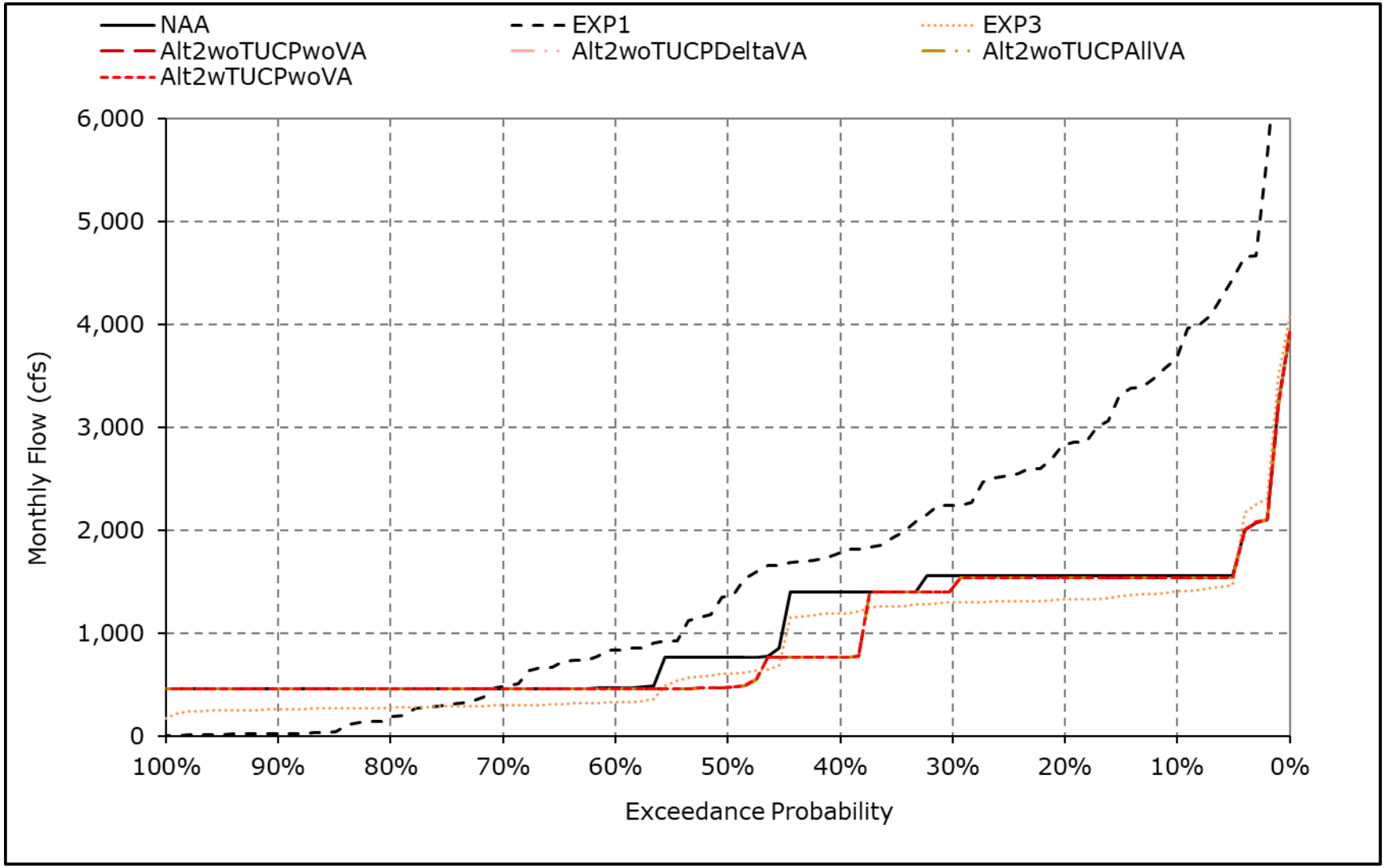
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-12. Stanislaus River Flow below Goodwin, March



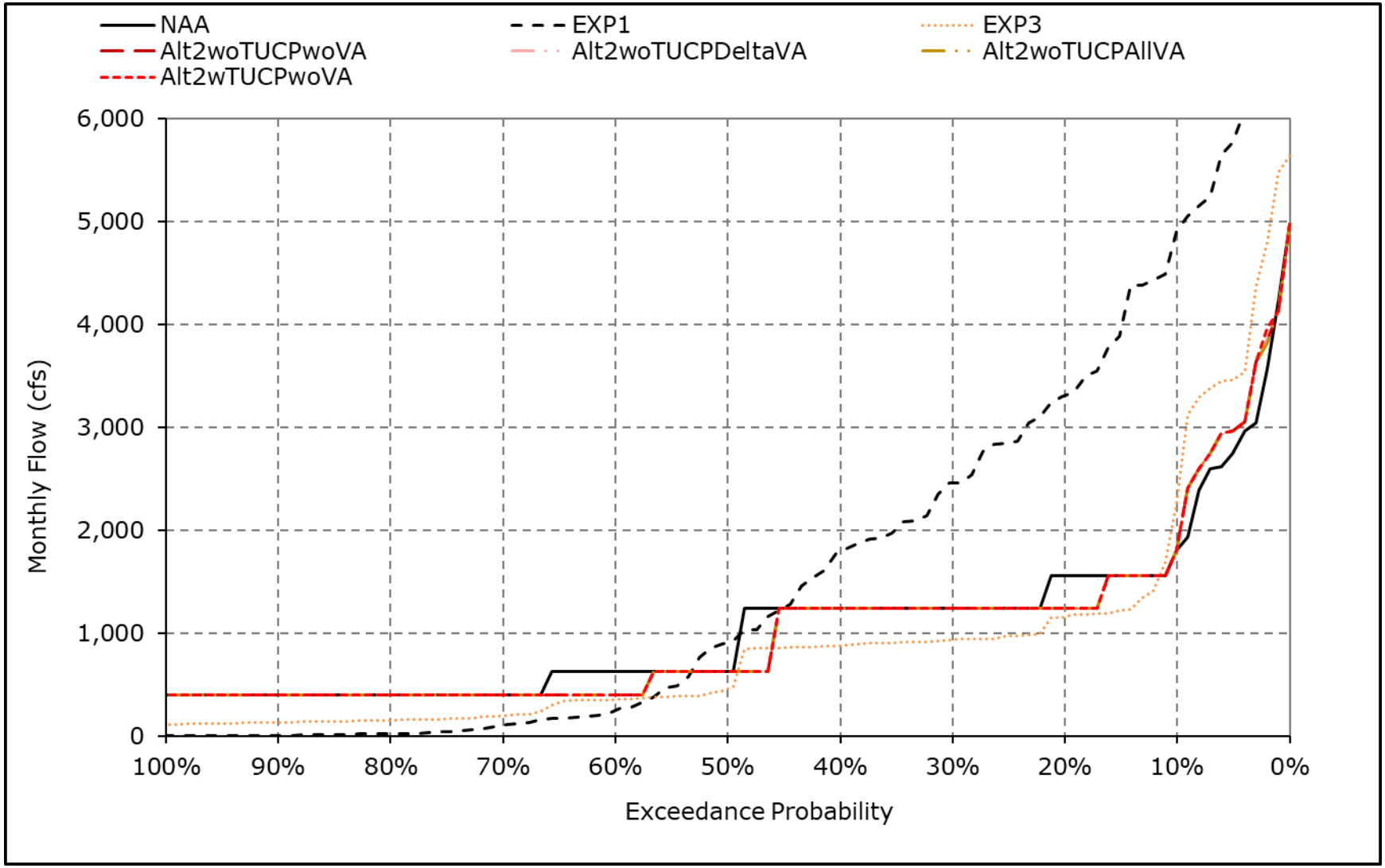
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-13. Stanislaus River Flow below Goodwin, April



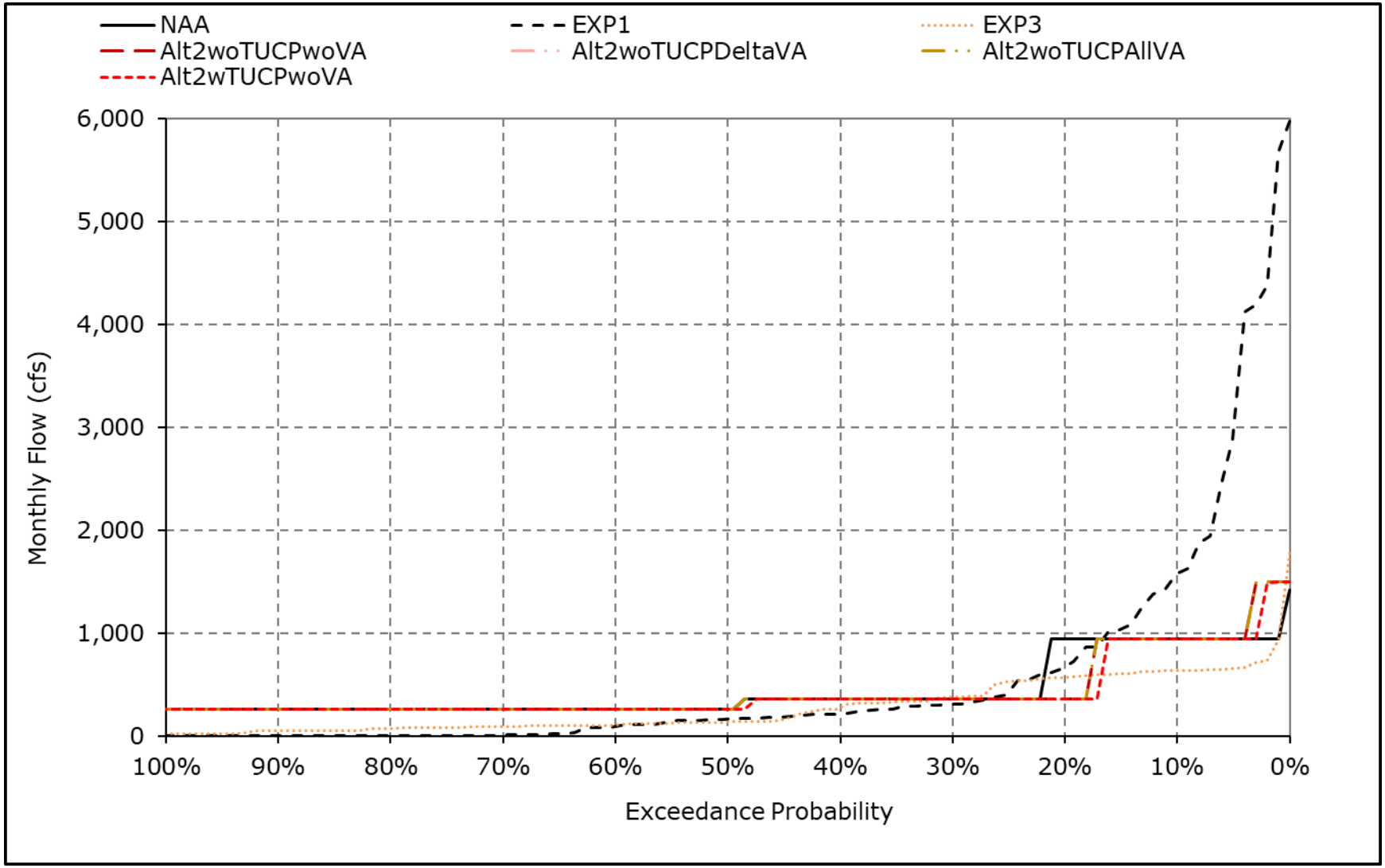
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-14. Stanislaus River Flow below Goodwin, May



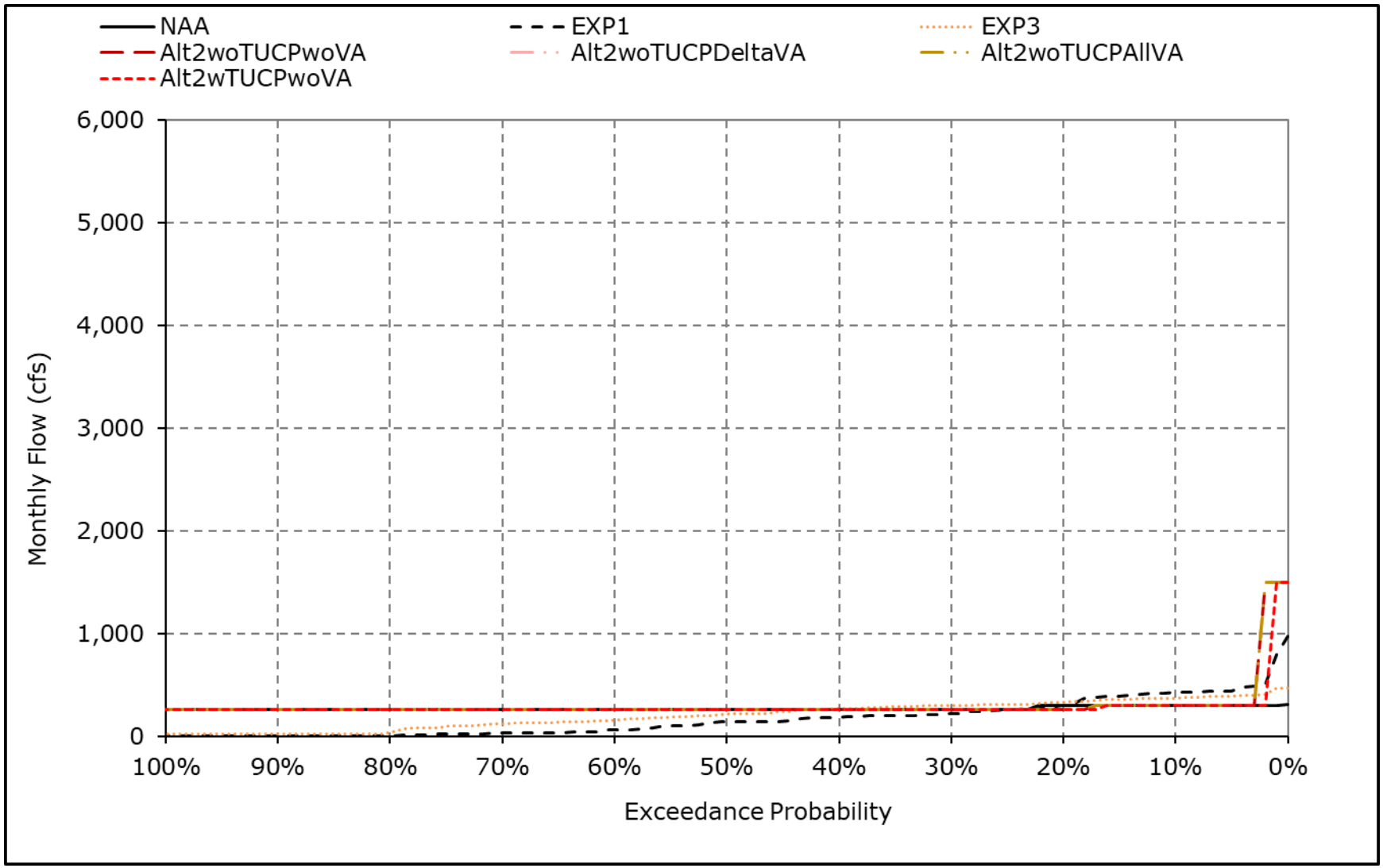
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-15. Stanislaus River Flow below Goodwin, June



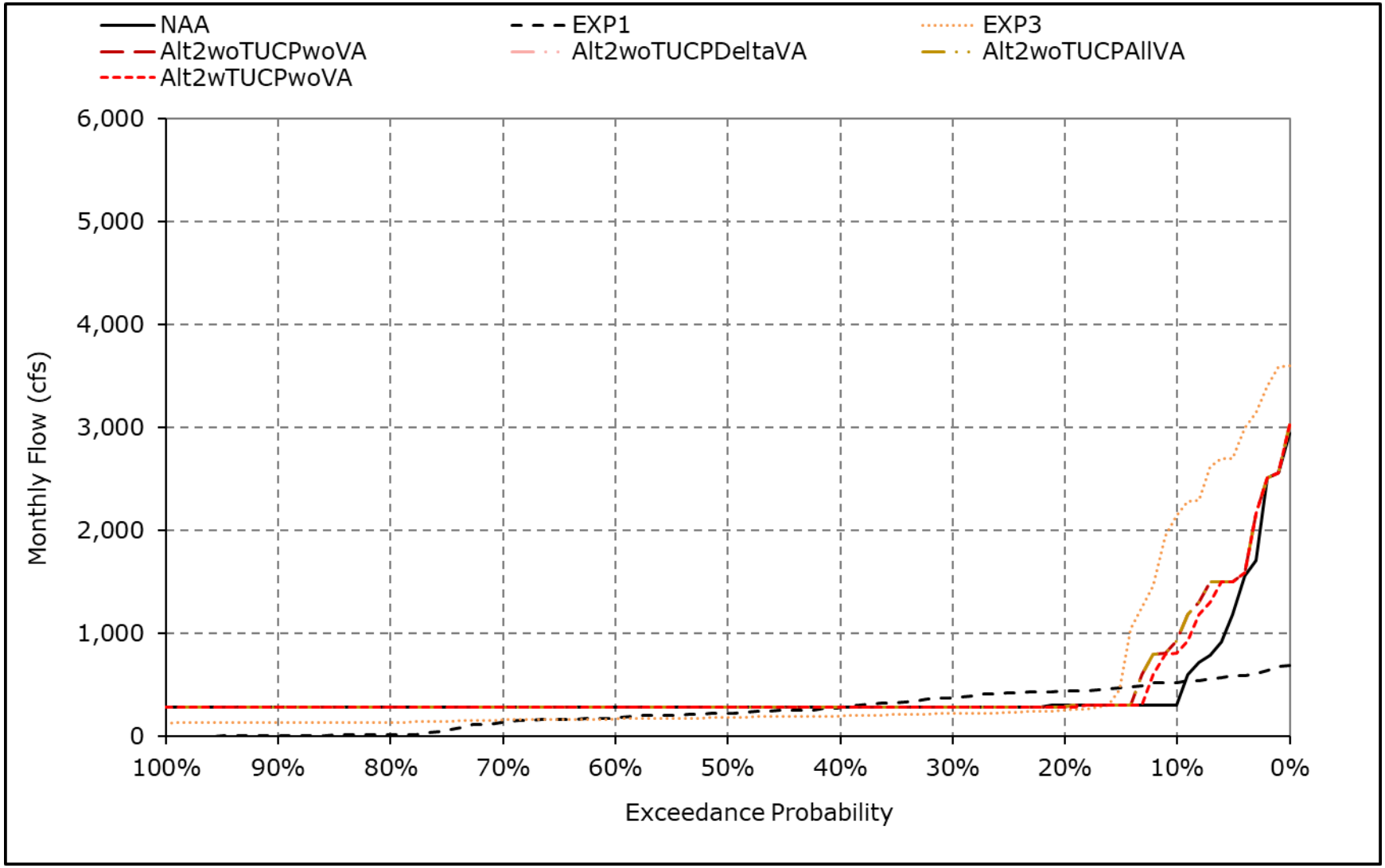
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-16. Stanislaus River Flow below Goodwin, July



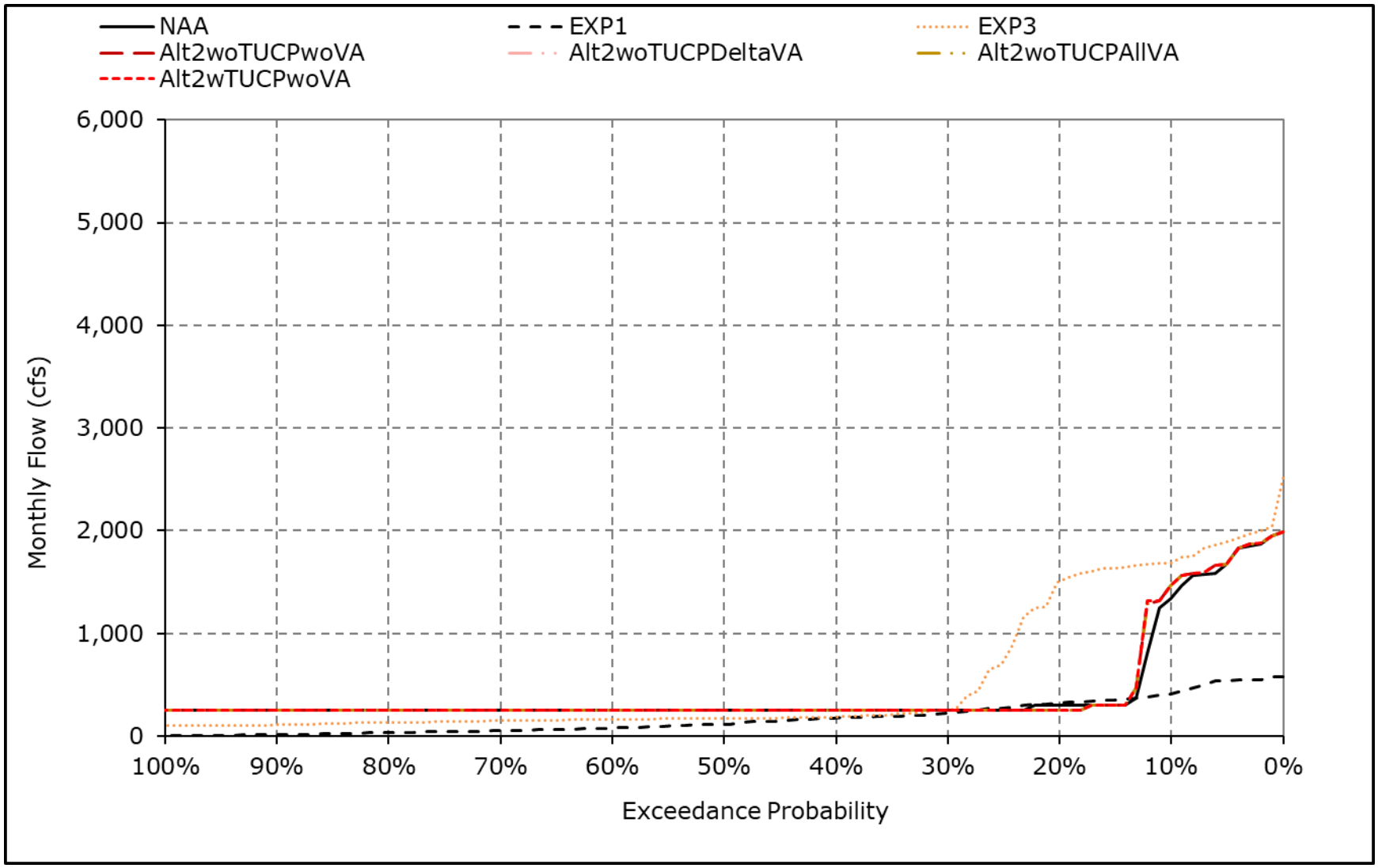
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-17. Stanislaus River Flow below Goodwin, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-19-18. Stanislaus River Flow below Goodwin, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-20-1a. Stanislaus River Flow at Mouth, NAA, 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

Table F.2.2-20-1b. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	631	910	2,053	3,149	2,254	2,053	2,469	1,091	668	751	1,220
20% Exceedance	606	441	439	637	1,543	1,268	1,577	1,494	698	449	354	337
30% Exceedance	572	425	368	399	796	698	1,151	1,343	651	381	321	306
40% Exceedance	554	411	307	358	617	527	950	1,094	600	338	312	290
50% Exceedance	521	396	289	318	494	387	762	869	472	286	294	276
60% Exceedance	496	367	278	301	438	326	626	669	378	261	286	264
70% Exceedance	480	353	264	293	411	288	535	604	348	245	257	248
80% Exceedance	448	331	248	287	385	262	508	561	310	212	241	232
90% Exceedance	417	313	234	268	360	229	467	520	260	168	201	199
Full Simulation Period Average[a]	594	482	531	811	1,095	904	1,048	1,157	587	353	406	423
Wet Water Years (22%)	931	862	876	1,532	2,189	1,995	1,929	2,335	1,144	587	775	957
Above Normal Water Years (12%)	575	442	636	1,354	1,476	1,294	1,424	1,321	624	354	298	258
Below Normal Water Years (15%)	558	418	428	934	1,300	934	1,127	1,164	577	337	296	259
Dry Water Years (17%)	490	371	599	350	481	416	639	711	378	253	280	278
Critical Water Years (34%)	448	330	271	328	468	290	515	556	323	258	316	281

Table F.2.2-20-1c. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	11	28	38	15	-95	23	195	-85	38	285	285
20% Exceedance	0	-10	30	-23	96	-103	-23	-43	-217	-57	-4	16
30% Exceedance	-1	-3	15	-12	33	-42	-164	-37	1	3	2	9
40% Exceedance	0	-5	-2	-6	69	25	-66	-155	-3	-3	9	12
50% Exceedance	-8	-4	-5	-15	52	20	-77	-127	-7	1	5	9
60% Exceedance	0	-3	-2	-14	44	32	-17	-93	-24	4	10	7
70% Exceedance	2	-1	0	-12	42	26	-5	-32	0	1	2	7
80% Exceedance	13	3	2	-7	40	19	12	4	20	10	12	7
90% Exceedance	11	1	0	-9	36	17	7	4	20	26	9	4
Full Simulation Period Average[a]	4	0	18	-14	15	-1	-31	-34	-16	13	35	24
Wet Water Years (22%)	7	2	22	-86	-66	-59	-4	11	-79	-44	19	33
Above Normal Water Years (12%)	2	2	10	39	64	25	-29	-21	-5	-2	0	3
Below Normal Water Years (15%)	-11	-8	13	15	12	-20	-146	-110	-37	-15	-1	5
Dry Water Years (17%)	-8	-6	51	3	54	34	-44	-110	-42	-8	10	18
Critical Water Years (34%)	17	6	4	-7	33	18	9	3	44	77	87	38

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-2a. Stanislaus River Flow at Mouth, NAA, 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

Table F.2.2-20-2b. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	630	910	2,053	3,149	2,254	2,053	2,469	1,091	668	751	1,220
20% Exceedance	606	441	441	638	1,543	1,268	1,577	1,494	698	450	354	337
30% Exceedance	571	425	368	399	796	698	1,151	1,343	651	380	321	306
40% Exceedance	553	410	307	358	617	527	950	1,094	600	338	311	290
50% Exceedance	521	396	289	318	494	387	762	869	472	286	294	276
60% Exceedance	496	367	278	302	437	326	627	669	378	257	284	264
70% Exceedance	478	353	264	293	411	287	535	605	348	244	260	248
80% Exceedance	445	331	248	287	385	261	508	561	310	213	237	230
90% Exceedance	415	313	234	267	361	228	468	521	261	168	201	199
Full Simulation Period Average[a]	593	482	531	811	1,095	903	1,048	1,157	587	353	406	423
Wet Water Years (22%)	931	862	877	1,532	2,189	1,995	1,929	2,334	1,144	587	775	957
Above Normal Water Years (12%)	574	442	636	1,354	1,476	1,294	1,424	1,321	624	355	298	258
Below Normal Water Years (15%)	557	418	428	934	1,300	934	1,127	1,164	576	338	295	259
Dry Water Years (17%)	489	370	599	350	481	415	638	711	378	253	280	277
Critical Water Years (34%)	447	330	271	329	469	289	515	556	324	258	315	280

Table F.2.2-20-2c. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	10	28	38	15	-95	23	195	-85	38	285	285
20% Exceedance	0	-10	31	-21	96	-103	-23	-43	-217	-56	-4	15
30% Exceedance	-3	-4	15	-12	33	-42	-164	-38	0	3	2	9
40% Exceedance	-1	-6	-2	-6	69	24	-66	-155	-3	-3	8	12
50% Exceedance	-9	-4	-5	-15	52	20	-77	-127	-7	1	5	9
60% Exceedance	0	-4	-2	-13	44	32	-15	-93	-24	0	9	7
70% Exceedance	-1	-1	0	-12	42	26	-4	-30	1	0	5	7
80% Exceedance	10	3	2	-7	40	18	12	4	20	10	8	5
90% Exceedance	9	1	0	-9	36	16	8	5	21	26	9	4
Full Simulation Period Average[a]	3	0	18	-14	16	-1	-31	-34	-15	13	35	24
Wet Water Years (22%)	7	2	23	-86	-66	-59	-3	11	-79	-44	19	33
Above Normal Water Years (12%)	1	2	10	39	64	25	-30	-21	-5	-2	0	3
Below Normal Water Years (15%)	-12	-8	13	15	12	-20	-146	-110	-38	-14	-1	5
Dry Water Years (17%)	-9	-7	51	4	54	33	-44	-110	-42	-9	10	18
Critical Water Years (34%)	15	6	4	-6	34	18	9	3	45	77	86	37

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-3a. Stanislaus River Flow at Mouth, NAA, 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

Table F.2.2-20-3b. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	635	909	2,037	3,149	2,253	2,053	2,469	1,091	668	751	1,221
20% Exceedance	606	440	441	638	1,543	1,268	1,578	1,494	698	449	354	337
30% Exceedance	571	425	368	399	796	698	1,151	1,343	651	381	320	305
40% Exceedance	552	411	307	358	617	527	950	1,094	595	338	311	290
50% Exceedance	521	396	289	318	495	388	762	869	472	285	294	276
60% Exceedance	495	367	277	302	438	326	627	669	378	257	285	264
70% Exceedance	478	353	264	293	411	287	538	606	348	245	257	246
80% Exceedance	449	332	248	287	385	260	510	561	311	214	237	233
90% Exceedance	415	314	234	267	361	229	468	519	261	168	202	199
Full Simulation Period Average[a]	593	482	531	811	1,094	903	1,048	1,156	587	353	405	423
Wet Water Years (22%)	930	862	877	1,531	2,188	1,995	1,929	2,333	1,144	587	775	957
Above Normal Water Years (12%)	573	442	636	1,354	1,476	1,294	1,424	1,321	624	355	298	258
Below Normal Water Years (15%)	557	418	429	933	1,299	934	1,126	1,164	576	338	296	258
Dry Water Years (17%)	488	370	599	350	481	415	638	711	378	253	280	277
Critical Water Years (34%)	447	331	271	329	469	289	515	556	324	258	316	281

Table F.2.2-20-3c. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	15	27	22	15	-95	23	195	-85	38	285	286
20% Exceedance	0	-11	31	-21	96	-104	-23	-43	-217	-57	-4	15
30% Exceedance	-3	-4	15	-12	33	-42	-164	-37	1	3	2	7
40% Exceedance	-1	-5	-2	-6	69	25	-66	-155	-7	-3	8	12
50% Exceedance	-9	-4	-5	-15	53	20	-77	-127	-7	-1	5	9
60% Exceedance	-1	-3	-2	-13	44	32	-15	-93	-24	0	9	8
70% Exceedance	0	-1	0	-12	42	26	-2	-30	1	1	2	6
80% Exceedance	14	4	2	-7	40	16	14	4	21	12	8	8
90% Exceedance	9	1	1	-9	36	17	8	3	21	26	10	4
Full Simulation Period Average[a]	3	0	18	-14	15	-2	-31	-34	-16	13	35	24
Wet Water Years (22%)	6	2	23	-87	-68	-60	-4	10	-80	-44	19	32
Above Normal Water Years (12%)	0	2	10	39	64	25	-29	-21	-5	-2	-1	3
Below Normal Water Years (15%)	-12	-8	13	14	11	-20	-146	-110	-38	-14	-1	5
Dry Water Years (17%)	-10	-7	51	4	54	33	-44	-110	-42	-9	10	17
Critical Water Years (34%)	16	6	4	-6	34	17	9	3	45	77	86	38

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-4a. Stanislaus River Flow at Mouth, NAA, 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

Table F.2.2-20-4b. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	635	910	2,053	3,150	2,254	2,053	2,469	1,091	647	684	1,221
20% Exceedance	605	442	439	637	1,544	1,274	1,578	1,496	692	432	349	332
30% Exceedance	570	425	368	419	816	727	1,152	1,343	646	376	321	302
40% Exceedance	552	410	307	361	626	556	972	1,128	600	338	311	289
50% Exceedance	516	390	289	322	500	391	763	869	459	282	294	275
60% Exceedance	495	362	277	304	438	326	626	669	372	257	284	263
70% Exceedance	481	353	263	294	410	288	537	605	347	245	256	248
80% Exceedance	448	331	249	287	385	262	508	561	295	211	236	229
90% Exceedance	417	313	234	268	360	230	468	520	253	152	201	199
Full Simulation Period Average[a]	593	482	531	814	1,099	912	1,052	1,160	583	345	396	419
Wet Water Years (22%)	931	863	877	1,533	2,190	1,996	1,930	2,339	1,146	587	776	958
Above Normal Water Years (12%)	575	443	637	1,355	1,476	1,294	1,425	1,322	625	356	298	259
Below Normal Water Years (15%)	559	419	429	935	1,308	975	1,150	1,174	579	338	296	260
Dry Water Years (17%)	491	371	600	368	496	430	641	712	379	254	280	278
Critical Water Years (34%)	442	329	271	329	469	290	515	556	308	233	287	269

Table F.2.2-20-4c. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	15	28	38	16	-94	24	195	-85	17	218	286
20% Exceedance	-2	-10	30	-23	97	-97	-23	-42	-224	-74	-9	11
30% Exceedance	-4	-3	15	8	53	-13	-163	-37	-4	-1	2	5
40% Exceedance	-1	-6	-1	-3	78	53	-44	-120	-2	-3	8	11
50% Exceedance	-13	-10	-5	-11	58	24	-76	-126	-21	-3	5	8
60% Exceedance	-2	-8	-2	-12	44	33	-16	-93	-30	0	8	7
70% Exceedance	2	-2	0	-10	41	27	-3	-30	0	1	1	7
80% Exceedance	13	3	2	-6	40	19	12	4	5	9	7	4
90% Exceedance	11	1	1	-8	35	18	8	5	13	11	9	4
Full Simulation Period Average[a]	3	0	18	-10	19	8	-26	-31	-20	4	26	21
Wet Water Years (22%)	7	3	23	-86	-65	-59	-3	16	-78	-44	20	34
Above Normal Water Years (12%)	3	3	11	40	64	25	-29	-20	-4	-1	0	4
Below Normal Water Years (15%)	-10	-8	13	16	20	21	-122	-100	-35	-14	0	6
Dry Water Years (17%)	-7	-6	51	21	68	47	-41	-109	-41	-8	11	19
Critical Water Years (34%)	11	4	3	-6	33	19	9	4	30	52	58	25

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-5a. Stanislaus River Flow at Mouth, NAA, 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

Table F.2.2-20-5b. Stanislaus River Flow at Mouth, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,113	790	1,206	2,779	3,533	2,873	1,923	2,763	929	233	1,160	1,462
20% Exceedance	749	631	684	1,358	2,581	1,663	1,469	1,142	485	46	29	598
30% Exceedance	431	422	469	643	1,810	1,110	1,214	966	235	0	14	68
40% Exceedance	344	284	278	445	1,154	659	762	836	187	0	4	7
50% Exceedance	315	254	210	306	702	382	574	608	98	0	0	0
60% Exceedance	253	208	180	243	470	197	431	386	15	0	0	0
70% Exceedance	232	190	144	190	312	127	280	243	0	0	0	0
80% Exceedance	190	152	131	167	251	92	181	177	0	0	0	0
90% Exceedance	170	129	112	134	193	55	156	124	0	0	0	0
Full Simulation Period Average[a]	470	462	631	953	1,453	985	890	909	271	50	214	307
Wet Water Years (22%)	972	909	937	2,104	3,250	2,463	1,936	2,460	951	223	938	1,157
Above Normal Water Years (12%)	601	488	1,065	1,522	2,016	1,493	1,310	926	221	2	30	248
Below Normal Water Years (15%)	453	466	591	1,055	1,730	992	1,020	842	194	4	6	109
Dry Water Years (17%)	280	465	687	373	610	394	458	437	32	0	0	9
Critical Water Years (34%)	189	152	245	255	392	142	225	164	3	0	9	13

Table F.2.2-20-5c. Stanislaus River Flow at Mouth, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	126	169	324	764	399	525	-106	489	-247	-396	694	527
20% Exceedance	142	179	275	698	1,134	292	-132	-396	-430	-461	-328	276
30% Exceedance	-143	-7	116	232	1,047	370	-101	-415	-415	-378	-305	-229
40% Exceedance	-209	-132	-31	82	606	156	-254	-412	-415	-341	-299	-271
50% Exceedance	-215	-146	-84	-27	260	14	-265	-388	-381	-286	-289	-267
60% Exceedance	-243	-162	-99	-73	76	-96	-212	-376	-387	-257	-275	-256
70% Exceedance	-247	-164	-119	-115	-57	-135	-259	-393	-347	-244	-255	-241
80% Exceedance	-245	-176	-115	-126	-94	-151	-315	-380	-290	-202	-229	-225
90% Exceedance	-236	-183	-121	-143	-132	-157	-304	-392	-240	-141	-192	-195
Full Simulation Period Average[a]	-120	-19	118	129	374	80	-188	-282	-332	-290	-156	-92
Wet Water Years (22%)	48	49	83	485	994	408	3	137	-272	-408	182	233
Above Normal Water Years (12%)	28	48	439	207	604	224	-144	-415	-408	-354	-268	-8
Below Normal Water Years (15%)	-115	39	176	135	442	38	-253	-432	-420	-348	-291	-144
Dry Water Years (17%)	-218	88	139	26	183	12	-224	-384	-388	-262	-269	-251
Critical Water Years (34%)	-242	-172	-23	-80	-43	-130	-282	-389	-276	-181	-220	-230

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-6a. Stanislaus River Flow at Mouth, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	210	396	2,217	3,444	3,813	3,774	3,925	4,368	2,261	627	184	84
20% Exceedance	164	255	680	1,880	3,190	2,663	2,925	3,099	1,123	389	62	39
30% Exceedance	148	191	535	1,296	2,296	2,006	2,122	2,312	642	173	9	0
40% Exceedance	124	171	394	825	1,841	1,645	1,782	1,495	479	40	0	0
50% Exceedance	108	158	234	657	1,110	1,242	1,244	952	286	0	0	0
60% Exceedance	85	137	154	417	891	943	816	370	51	0	0	0
70% Exceedance	64	112	107	322	676	636	491	276	0	0	0	0
80% Exceedance	40	64	81	201	514	392	249	133	0	0	0	0
90% Exceedance	2	22	48	101	293	122	84	80	0	0	0	0
Full Simulation Period Average[a]	118	277	689	1,252	1,839	1,672	1,641	1,608	707	182	50	26
Wet Water Years (22%)	178	465	686	3,085	3,875	3,580	3,614	4,035	2,284	637	186	88
Above Normal Water Years (12%)	168	244	983	1,570	2,282	2,298	2,222	1,952	719	175	28	8
Below Normal Water Years (15%)	118	243	611	1,359	2,498	1,871	1,980	1,880	549	127	39	25
Dry Water Years (17%)	135	461	1,133	520	958	1,155	1,084	790	167	10	0	7
Critical Water Years (34%)	49	87	380	271	515	386	288	205	22	1	0	3

Table F.2.2-20-6b. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	631	910	2,053	3,149	2,254	2,053	2,469	1,091	668	751	1,220
20% Exceedance	606	441	439	637	1,543	1,268	1,577	1,494	698	449	354	337
30% Exceedance	572	425	368	399	796	698	1,151	1,343	651	381	321	306
40% Exceedance	554	411	307	358	617	527	950	1,094	600	338	312	290
50% Exceedance	521	396	289	318	494	387	762	869	472	286	294	276
60% Exceedance	496	367	278	301	438	326	626	669	378	261	286	264
70% Exceedance	480	353	264	293	411	288	535	604	348	245	257	248
80% Exceedance	448	331	248	287	385	262	508	561	310	212	241	232
90% Exceedance	417	313	234	268	360	229	467	520	260	168	201	199
Full Simulation Period Average[a]	594	482	531	811	1,095	904	1,048	1,157	587	353	406	423
Wet Water Years (22%)	931	862	876	1,532	2,189	1,995	1,929	2,335	1,144	587	775	957
Above Normal Water Years (12%)	575	442	636	1,354	1,476	1,294	1,424	1,321	624	354	298	258
Below Normal Water Years (15%)	558	418	428	934	1,300	934	1,127	1,164	577	337	296	259
Dry Water Years (17%)	490	371	599	350	481	416	639	711	378	253	280	278
Critical Water Years (34%)	448	330	271	328	468	290	515	556	323	258	316	281

Table F.2.2-20-6c. Stanislaus River Flow at Mouth, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	789	235	-1,307	-1,391	-663	-1,520	-1,872	-1,899	-1,169	41	566	1,136
20% Exceedance	442	187	-241	-1,243	-1,647	-1,395	-1,348	-1,605	-425	60	292	298
30% Exceedance	425	235	-168	-898	-1,500	-1,308	-971	-969	9	208	311	305
40% Exceedance	429	240	-87	-467	-1,224	-1,118	-832	-402	121	298	312	290
50% Exceedance	413	237	55	-340	-615	-855	-482	-83	186	286	294	276
60% Exceedance	411	230	123	-116	-453	-617	-191	299	327	261	286	264
70% Exceedance	416	241	157	-29	-265	-348	44	328	348	245	257	248
80% Exceedance	408	267	167	86	-129	-130	259	428	310	212	241	232
90% Exceedance	415	291	186	166	68	107	383	440	260	168	201	199
Full Simulation Period Average[a]	477	205	-157	-441	-744	-768	-593	-451	-120	171	356	397
Wet Water Years (22%)	753	397	189	-1,553	-1,685	-1,584	-1,685	-1,700	-1,140	-51	589	868
Above Normal Water Years (12%)	406	198	-347	-216	-806	-1,004	-798	-631	-95	179	270	251
Below Normal Water Years (15%)	440	175	-183	-424	-1,199	-936	-853	-716	28	211	257	234
Dry Water Years (17%)	356	-90	-534	-170	-476	-739	-446	-79	211	244	280	271
Critical Water Years (34%)	399	244	-108	58	-47	-96	227	351	301	257	316	278

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-7a. Stanislaus River Flow at Mouth, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	210	396	2,217	3,444	3,813	3,774	3,925	4,368	2,261	627	184	84
20% Exceedance	164	255	680	1,880	3,190	2,663	2,925	3,099	1,123	389	62	39
30% Exceedance	148	191	535	1,296	2,296	2,006	2,122	2,312	642	173	9	0
40% Exceedance	124	171	394	825	1,841	1,645	1,782	1,495	479	40	0	0
50% Exceedance	108	158	234	657	1,110	1,242	1,244	952	286	0	0	0
60% Exceedance	85	137	154	417	891	943	816	370	51	0	0	0
70% Exceedance	64	112	107	322	676	636	491	276	0	0	0	0
80% Exceedance	40	64	81	201	514	392	249	133	0	0	0	0
90% Exceedance	2	22	48	101	293	122	84	80	0	0	0	0
Full Simulation Period Average[a]	118	277	689	1,252	1,839	1,672	1,641	1,608	707	182	50	26
Wet Water Years (22%)	178	465	686	3,085	3,875	3,580	3,614	4,035	2,284	637	186	88
Above Normal Water Years (12%)	168	244	983	1,570	2,282	2,298	2,222	1,952	719	175	28	8
Below Normal Water Years (15%)	118	243	611	1,359	2,498	1,871	1,980	1,880	549	127	39	25
Dry Water Years (17%)	135	461	1,133	520	958	1,155	1,084	790	167	10	0	7
Critical Water Years (34%)	49	87	380	271	515	386	288	205	22	1	0	3

Table F.2.2-20-7b. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	630	910	2,053	3,149	2,254	2,053	2,469	1,091	668	751	1,220
20% Exceedance	606	441	441	638	1,543	1,268	1,577	1,494	698	450	354	337
30% Exceedance	571	425	368	399	796	698	1,151	1,343	651	380	321	306
40% Exceedance	553	410	307	358	617	527	950	1,094	600	338	311	290
50% Exceedance	521	396	289	318	494	387	762	869	472	286	294	276
60% Exceedance	496	367	278	302	437	326	627	669	378	257	284	264
70% Exceedance	478	353	264	293	411	287	535	605	348	244	260	248
80% Exceedance	445	331	248	287	385	261	508	561	310	213	237	230
90% Exceedance	415	313	234	267	361	228	468	521	261	168	201	199
Full Simulation Period Average[a]	593	482	531	811	1,095	903	1,048	1,157	587	353	406	423
Wet Water Years (22%)	931	862	877	1,532	2,189	1,995	1,929	2,334	1,144	587	775	957
Above Normal Water Years (12%)	574	442	636	1,354	1,476	1,294	1,424	1,321	624	355	298	258
Below Normal Water Years (15%)	557	418	428	934	1,300	934	1,127	1,164	576	338	295	259
Dry Water Years (17%)	489	370	599	350	481	415	638	711	378	253	280	277
Critical Water Years (34%)	447	330	271	329	469	289	515	556	324	258	315	280

Table F.2.2-20-7c. Stanislaus River Flow at Mouth, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	789	234	-1,307	-1,391	-663	-1,520	-1,872	-1,900	-1,170	41	566	1,136
20% Exceedance	442	186	-240	-1,241	-1,647	-1,395	-1,348	-1,604	-425	61	292	298
30% Exceedance	423	234	-167	-898	-1,500	-1,307	-971	-969	9	208	311	305
40% Exceedance	428	239	-87	-468	-1,224	-1,118	-832	-402	121	298	311	290
50% Exceedance	412	238	55	-340	-615	-855	-482	-84	187	286	294	276
60% Exceedance	411	230	123	-115	-454	-617	-189	299	327	257	284	264
70% Exceedance	414	241	157	-29	-265	-348	44	330	348	244	260	248
80% Exceedance	405	267	167	86	-129	-130	259	428	310	213	237	230
90% Exceedance	413	291	186	166	68	106	383	442	261	168	201	199
Full Simulation Period Average[a]	476	204	-157	-441	-744	-768	-593	-451	-120	171	355	396
Wet Water Years (22%)	753	397	191	-1,553	-1,685	-1,584	-1,684	-1,700	-1,140	-50	589	868
Above Normal Water Years (12%)	405	198	-347	-216	-806	-1,004	-798	-631	-95	179	270	251
Below Normal Water Years (15%)	438	175	-183	-424	-1,199	-937	-854	-716	27	211	257	234
Dry Water Years (17%)	354	-91	-534	-170	-476	-740	-446	-79	211	243	280	271
Critical Water Years (34%)	398	244	-108	58	-46	-97	227	351	302	257	315	277

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-8a. Stanislaus River Flow at Mouth, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	210	396	2,217	3,444	3,813	3,774	3,925	4,368	2,261	627	184	84
20% Exceedance	164	255	680	1,880	3,190	2,663	2,925	3,099	1,123	389	62	39
30% Exceedance	148	191	535	1,296	2,296	2,006	2,122	2,312	642	173	9	0
40% Exceedance	124	171	394	825	1,841	1,645	1,782	1,495	479	40	0	0
50% Exceedance	108	158	234	657	1,110	1,242	1,244	952	286	0	0	0
60% Exceedance	85	137	154	417	891	943	816	370	51	0	0	0
70% Exceedance	64	112	107	322	676	636	491	276	0	0	0	0
80% Exceedance	40	64	81	201	514	392	249	133	0	0	0	0
90% Exceedance	2	22	48	101	293	122	84	80	0	0	0	0
Full Simulation Period Average[a]	118	277	689	1,252	1,839	1,672	1,641	1,608	707	182	50	26
Wet Water Years (22%)	178	465	686	3,085	3,875	3,580	3,614	4,035	2,284	637	186	88
Above Normal Water Years (12%)	168	244	983	1,570	2,282	2,298	2,222	1,952	719	175	28	8
Below Normal Water Years (15%)	118	243	611	1,359	2,498	1,871	1,980	1,880	549	127	39	25
Dry Water Years (17%)	135	461	1,133	520	958	1,155	1,084	790	167	10	0	7
Critical Water Years (34%)	49	87	380	271	515	386	288	205	22	1	0	3

Table F.2.2-20-8b. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	635	909	2,037	3,149	2,253	2,053	2,469	1,091	668	751	1,221
20% Exceedance	606	440	441	638	1,543	1,268	1,578	1,494	698	449	354	337
30% Exceedance	571	425	368	399	796	698	1,151	1,343	651	381	320	305
40% Exceedance	552	411	307	358	617	527	950	1,094	595	338	311	290
50% Exceedance	521	396	289	318	495	388	762	869	472	285	294	276
60% Exceedance	495	367	277	302	438	326	627	669	378	257	285	264
70% Exceedance	478	353	264	293	411	287	538	606	348	245	257	246
80% Exceedance	449	332	248	287	385	260	510	561	311	214	237	233
90% Exceedance	415	314	234	267	361	229	468	519	261	168	202	199
Full Simulation Period Average[a]	593	482	531	811	1,094	903	1,048	1,156	587	353	405	423
Wet Water Years (22%)	930	862	877	1,531	2,188	1,995	1,929	2,333	1,144	587	775	957
Above Normal Water Years (12%)	573	442	636	1,354	1,476	1,294	1,424	1,321	624	355	298	258
Below Normal Water Years (15%)	557	418	429	933	1,299	934	1,126	1,164	576	338	296	258
Dry Water Years (17%)	488	370	599	350	481	415	638	711	378	253	280	277
Critical Water Years (34%)	447	331	271	329	469	289	515	556	324	258	316	281

Table F.2.2-20-8c. Stanislaus River Flow at Mouth, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	789	239	-1,308	-1,407	-663	-1,520	-1,872	-1,899	-1,169	41	566	1,136
20% Exceedance	442	186	-240	-1,241	-1,647	-1,396	-1,348	-1,605	-425	60	292	298
30% Exceedance	423	234	-167	-898	-1,500	-1,307	-971	-969	9	208	311	304
40% Exceedance	428	240	-87	-467	-1,224	-1,118	-833	-402	116	298	311	290
50% Exceedance	412	238	55	-340	-615	-854	-482	-83	186	285	294	276
60% Exceedance	410	230	123	-115	-454	-617	-189	299	327	257	285	264
70% Exceedance	414	241	157	-29	-265	-348	47	330	348	245	257	246
80% Exceedance	409	268	167	86	-129	-132	261	428	311	214	237	233
90% Exceedance	413	292	186	166	68	107	384	439	261	168	202	199
Full Simulation Period Average[a]	475	204	-157	-441	-745	-769	-593	-451	-120	171	355	397
Wet Water Years (22%)	752	397	190	-1,554	-1,687	-1,585	-1,685	-1,701	-1,141	-50	589	868
Above Normal Water Years (12%)	405	198	-347	-216	-806	-1,004	-798	-631	-95	180	270	251
Below Normal Water Years (15%)	439	175	-183	-425	-1,199	-937	-854	-716	27	211	257	234
Dry Water Years (17%)	354	-91	-534	-170	-476	-740	-446	-79	211	243	279	270
Critical Water Years (34%)	398	244	-108	58	-47	-97	227	351	302	257	316	278

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-9a. Stanislaus River Flow at Mouth, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	210	396	2,217	3,444	3,813	3,774	3,925	4,368	2,261	627	184	84
20% Exceedance	164	255	680	1,880	3,190	2,663	2,925	3,099	1,123	389	62	39
30% Exceedance	148	191	535	1,296	2,296	2,006	2,122	2,312	642	173	9	0
40% Exceedance	124	171	394	825	1,841	1,645	1,782	1,495	479	40	0	0
50% Exceedance	108	158	234	657	1,110	1,242	1,244	952	286	0	0	0
60% Exceedance	85	137	154	417	891	943	816	370	51	0	0	0
70% Exceedance	64	112	107	322	676	636	491	276	0	0	0	0
80% Exceedance	40	64	81	201	514	392	249	133	0	0	0	0
90% Exceedance	2	22	48	101	293	122	84	80	0	0	0	0
Full Simulation Period Average[a]	118	277	689	1,252	1,839	1,672	1,641	1,608	707	182	50	26
Wet Water Years (22%)	178	465	686	3,085	3,875	3,580	3,614	4,035	2,284	637	186	88
Above Normal Water Years (12%)	168	244	983	1,570	2,282	2,298	2,222	1,952	719	175	28	8
Below Normal Water Years (15%)	118	243	611	1,359	2,498	1,871	1,980	1,880	549	127	39	25
Dry Water Years (17%)	135	461	1,133	520	958	1,155	1,084	790	167	10	0	7
Critical Water Years (34%)	49	87	380	271	515	386	288	205	22	1	0	3

Table F.2.2-20-9b. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	999	635	910	2,053	3,150	2,254	2,053	2,469	1,091	647	684	1,221
20% Exceedance	605	442	439	637	1,544	1,274	1,578	1,496	692	432	349	332
30% Exceedance	570	425	368	419	816	727	1,152	1,343	646	376	321	302
40% Exceedance	552	410	307	361	626	556	972	1,128	600	338	311	289
50% Exceedance	516	390	289	322	500	391	763	869	459	282	294	275
60% Exceedance	495	362	277	304	438	326	626	669	372	257	284	263
70% Exceedance	481	353	263	294	410	288	537	605	347	245	256	248
80% Exceedance	448	331	249	287	385	262	508	561	295	211	236	229
90% Exceedance	417	313	234	268	360	230	468	520	253	152	201	199
Full Simulation Period Average[a]	593	482	531	814	1,099	912	1,052	1,160	583	345	396	419
Wet Water Years (22%)	931	863	877	1,533	2,190	1,996	1,930	2,339	1,146	587	776	958
Above Normal Water Years (12%)	575	443	637	1,355	1,476	1,294	1,425	1,322	625	356	298	259
Below Normal Water Years (15%)	559	419	429	935	1,308	975	1,150	1,174	579	338	296	260
Dry Water Years (17%)	491	371	600	368	496	430	641	712	379	254	280	278
Critical Water Years (34%)	442	329	271	329	469	290	515	556	308	233	287	269

Table F.2.2-20-9c. Stanislaus River Flow at Mouth, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	789	239	-1,307	-1,391	-662	-1,520	-1,872	-1,899	-1,169	20	499	1,136
20% Exceedance	440	187	-241	-1,243	-1,646	-1,389	-1,348	-1,603	-431	43	287	293
30% Exceedance	423	235	-167	-878	-1,480	-1,279	-970	-969	5	204	312	302
40% Exceedance	428	239	-87	-464	-1,215	-1,090	-810	-367	121	298	311	289
50% Exceedance	408	232	55	-335	-610	-851	-482	-83	173	282	294	275
60% Exceedance	410	225	123	-113	-453	-617	-190	299	321	257	284	263
70% Exceedance	417	241	156	-28	-266	-348	46	330	347	245	256	248
80% Exceedance	408	267	167	86	-129	-129	259	428	295	211	236	229
90% Exceedance	415	291	186	167	67	108	384	441	253	152	201	199
Full Simulation Period Average[a]	475	204	-157	-437	-740	-759	-589	-448	-124	163	346	393
Wet Water Years (22%)	754	398	190	-1,553	-1,685	-1,584	-1,684	-1,695	-1,138	-50	589	869
Above Normal Water Years (12%)	407	199	-346	-216	-806	-1,004	-797	-630	-94	181	271	252
Below Normal Water Years (15%)	440	176	-182	-424	-1,191	-895	-830	-706	30	212	257	235
Dry Water Years (17%)	356	-90	-533	-152	-462	-726	-443	-78	212	244	280	272
Critical Water Years (34%)	394	242	-109	58	-47	-96	227	352	286	231	287	265

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-20-10a. Stanislaus River Flow at Mouth, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	210	396	2,217	3,444	3,813	3,774	3,925	4,368	2,261	627	184	84
20% Exceedance	164	255	680	1,880	3,190	2,663	2,925	3,099	1,123	389	62	39
30% Exceedance	148	191	535	1,296	2,296	2,006	2,122	2,312	642	173	9	0
40% Exceedance	124	171	394	825	1,841	1,645	1,782	1,495	479	40	0	0
50% Exceedance	108	158	234	657	1,110	1,242	1,244	952	286	0	0	0
60% Exceedance	85	137	154	417	891	943	816	370	51	0	0	0
70% Exceedance	64	112	107	322	676	636	491	276	0	0	0	0
80% Exceedance	40	64	81	201	514	392	249	133	0	0	0	0
90% Exceedance	2	22	48	101	293	122	84	80	0	0	0	0
Full Simulation Period Average[a]	118	277	689	1,252	1,839	1,672	1,641	1,608	707	182	50	26
Wet Water Years (22%)	178	465	686	3,085	3,875	3,580	3,614	4,035	2,284	637	186	88
Above Normal Water Years (12%)	168	244	983	1,570	2,282	2,298	2,222	1,952	719	175	28	8
Below Normal Water Years (15%)	118	243	611	1,359	2,498	1,871	1,980	1,880	549	127	39	25
Dry Water Years (17%)	135	461	1,133	520	958	1,155	1,084	790	167	10	0	7
Critical Water Years (34%)	49	87	380	271	515	386	288	205	22	1	0	3

Table F.2.2-20-10b. Stanislaus River Flow at Mouth, NAA, 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

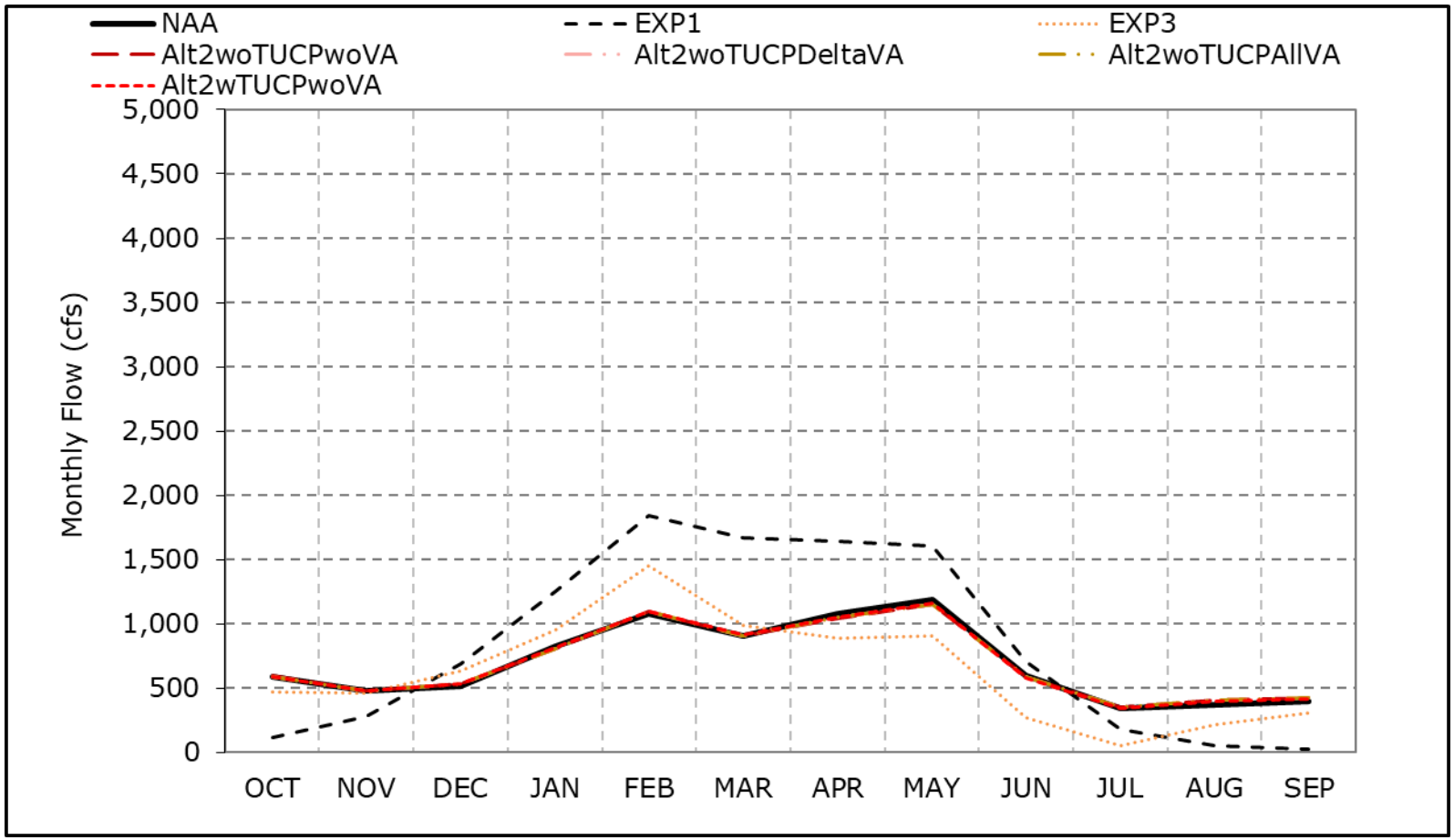
Table F.2.2-20-10c. Stanislaus River Flow at Mouth, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	777	224	-1,335	-1,429	-679	-1,425	-1,896	-2,094	-1,085	3	282	851
20% Exceedance	442	197	-271	-1,220	-1,743	-1,292	-1,325	-1,561	-208	117	296	283
30% Exceedance	426	238	-182	-885	-1,533	-1,265	-807	-932	9	205	310	297
40% Exceedance	429	245	-86	-462	-1,293	-1,143	-766	-247	124	301	303	278
50% Exceedance	421	242	60	-325	-668	-875	-405	43	194	286	289	267
60% Exceedance	411	233	125	-101	-498	-649	-174	392	351	257	275	256
70% Exceedance	414	242	157	-17	-307	-374	49	360	347	244	255	241
80% Exceedance	395	264	165	93	-169	-148	247	424	290	202	229	225
90% Exceedance	404	291	186	175	32	90	376	436	240	141	192	195
Full Simulation Period Average[a]	472	204	-175	-427	-760	-767	-562	-417	-104	158	320	373
Wet Water Years (22%)	746	395	168	-1,467	-1,620	-1,525	-1,681	-1,711	-1,061	-6	570	836
Above Normal Water Years (12%)	405	196	-357	-256	-870	-1,029	-768	-610	-89	182	271	248
Below Normal Water Years (15%)	450	184	-196	-440	-1,210	-917	-708	-606	65	226	258	229
Dry Water Years (17%)	363	-84	-585	-174	-531	-773	-402	31	253	252	269	253
Critical Water Years (34%)	382	238	-112	64	-80	-115	218	348	256	180	229	240

[a] Based on the 100-year simulation period.

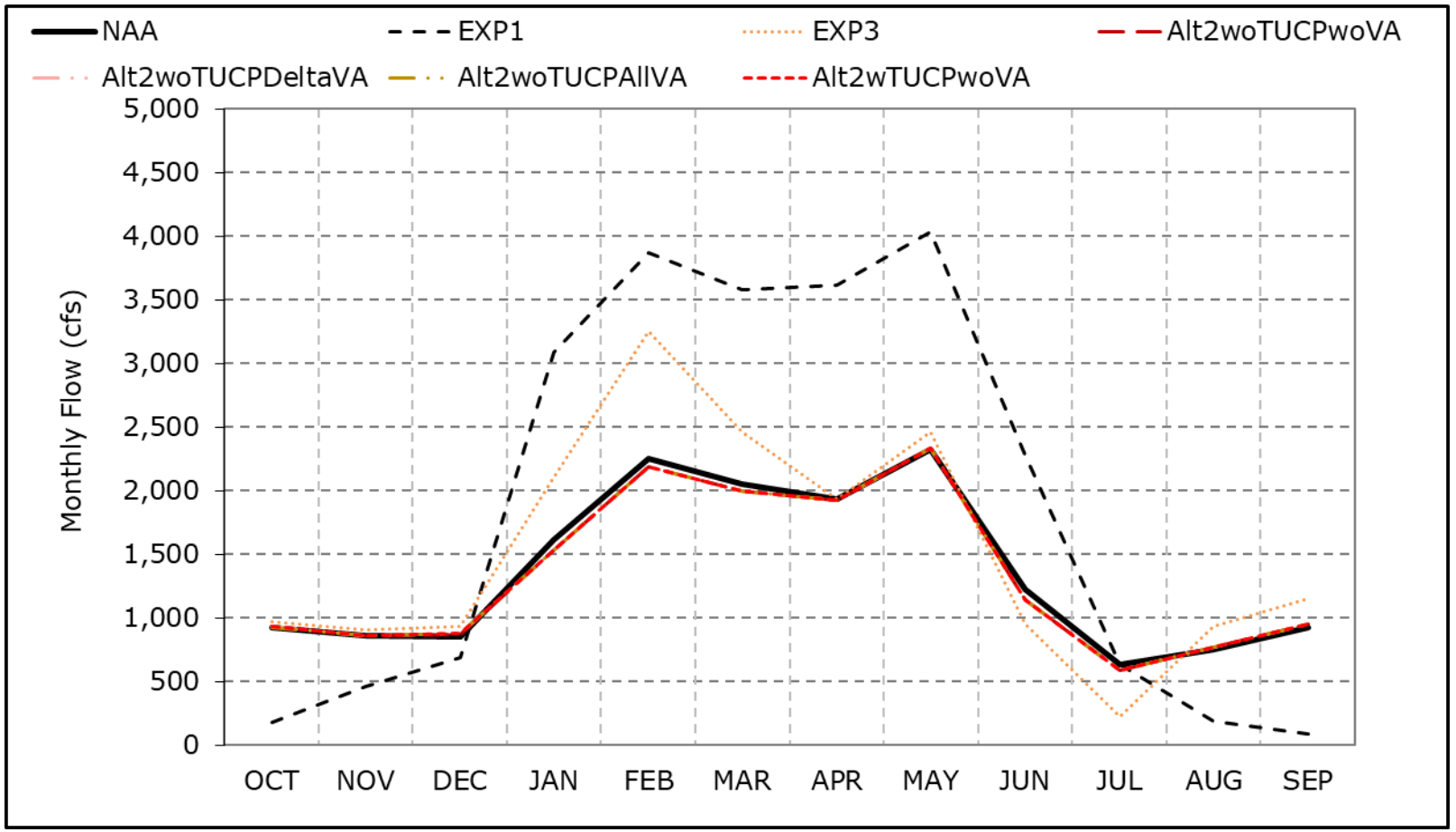
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-20-1. Stanislaus River Flow at Mouth, Long-Term Average Flow



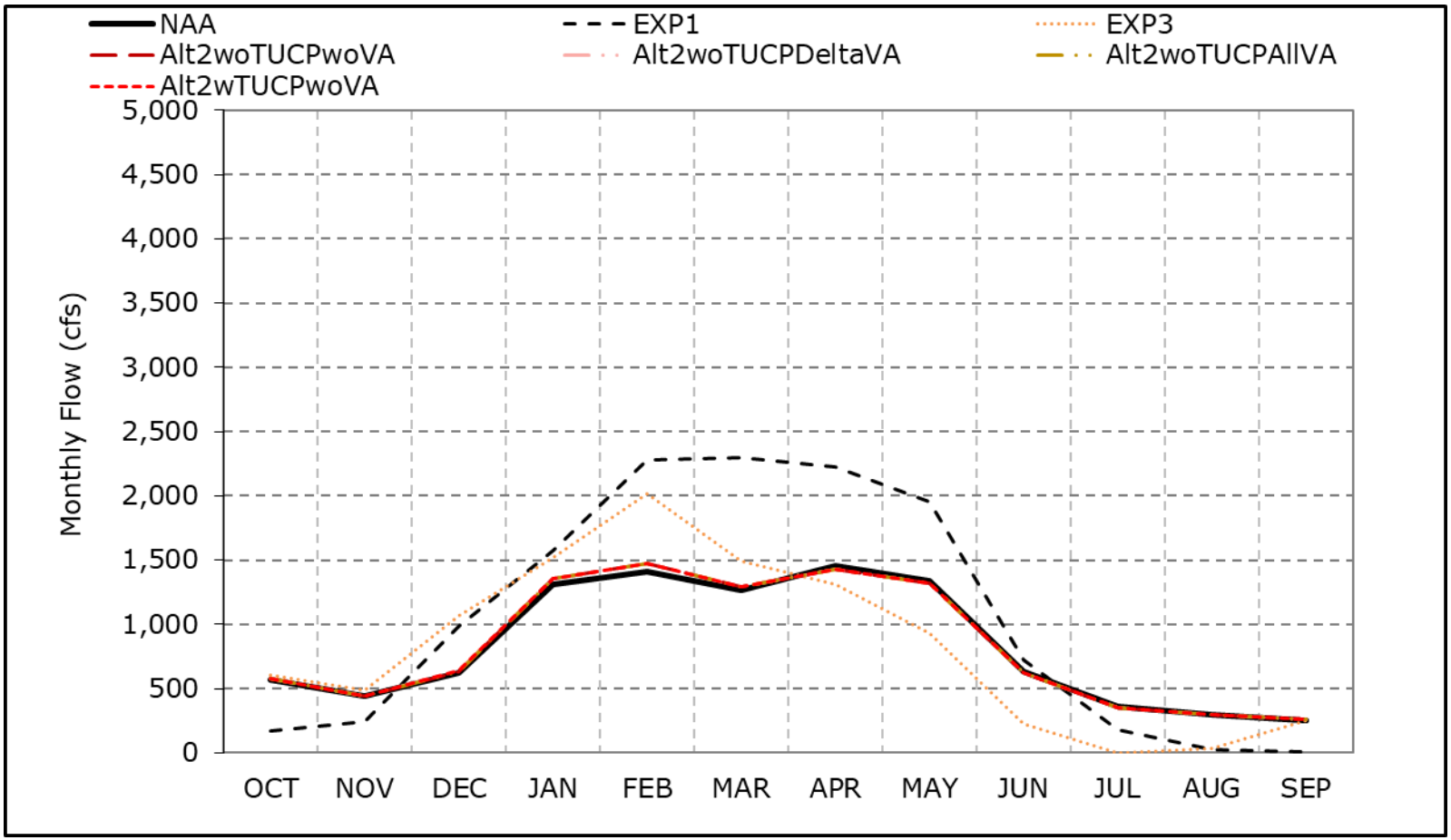
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-2. Stanislaus River Flow at Mouth, Wet Year Average Flow



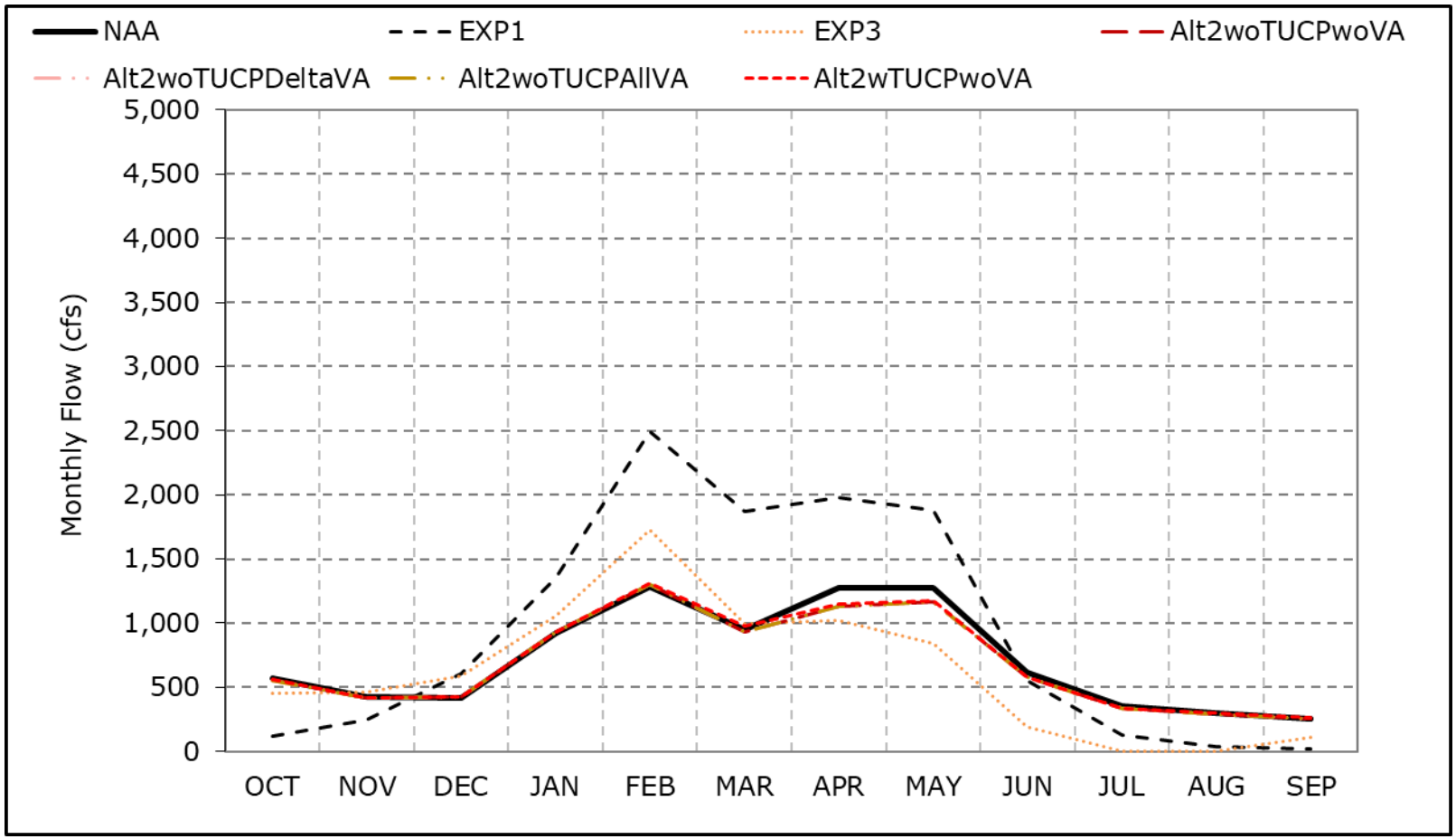
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-3. Stanislaus River Flow at Mouth, Above Normal Year Average Flow



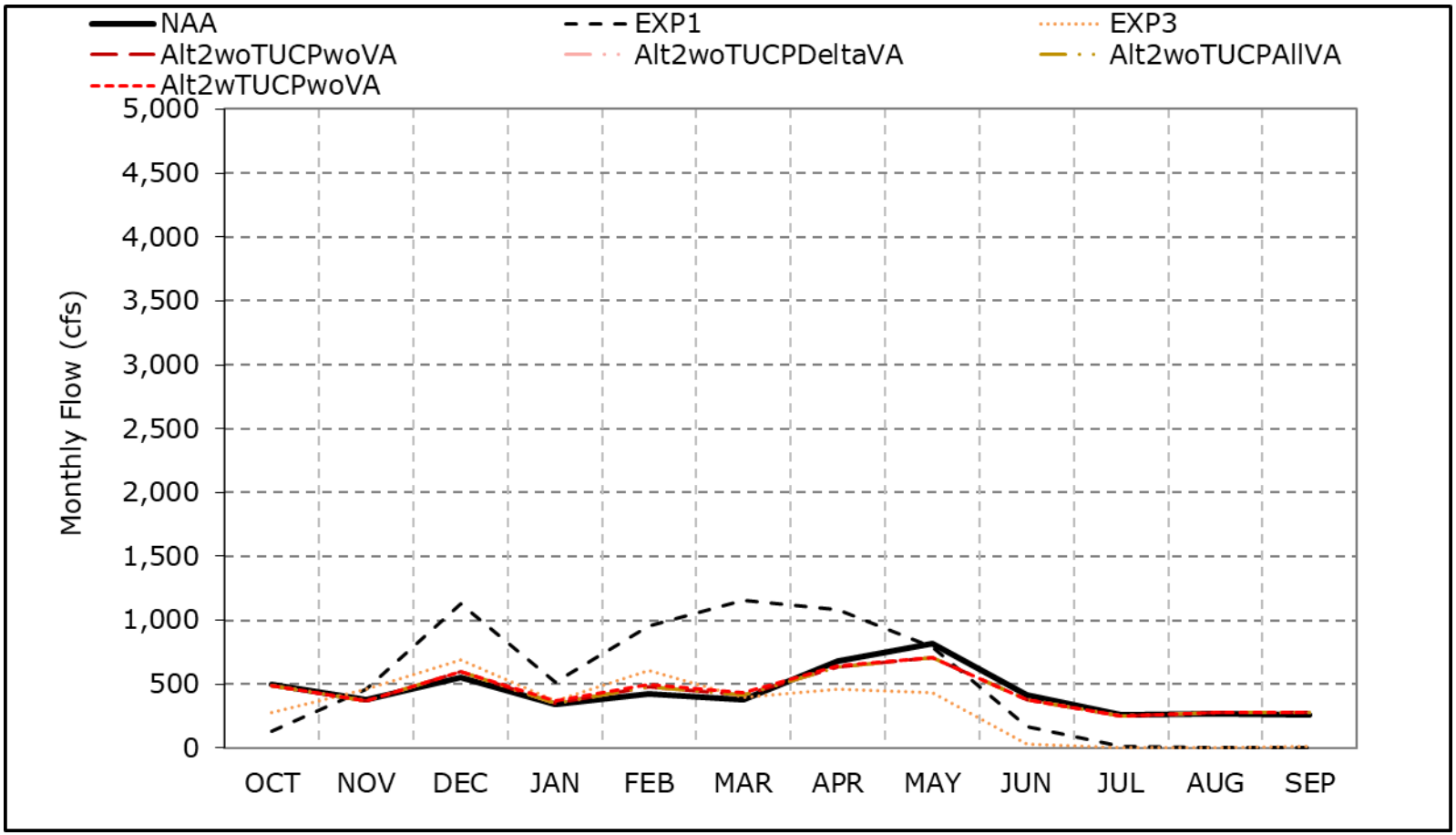
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-4. Stanislaus River Flow at Mouth, Below Normal Year Average Flow



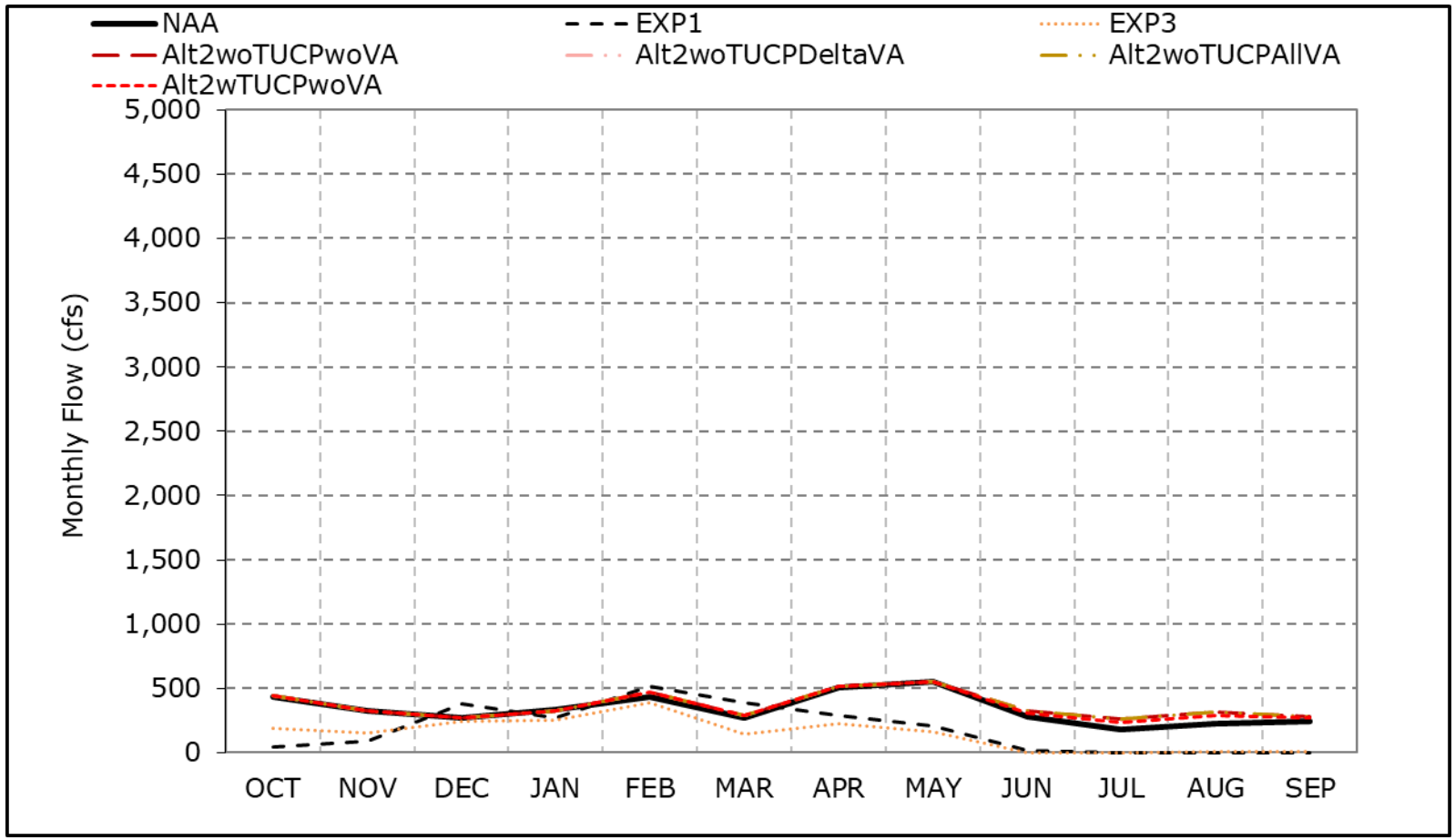
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-5. Stanislaus River Flow at Mouth, Dry Year Average Flow



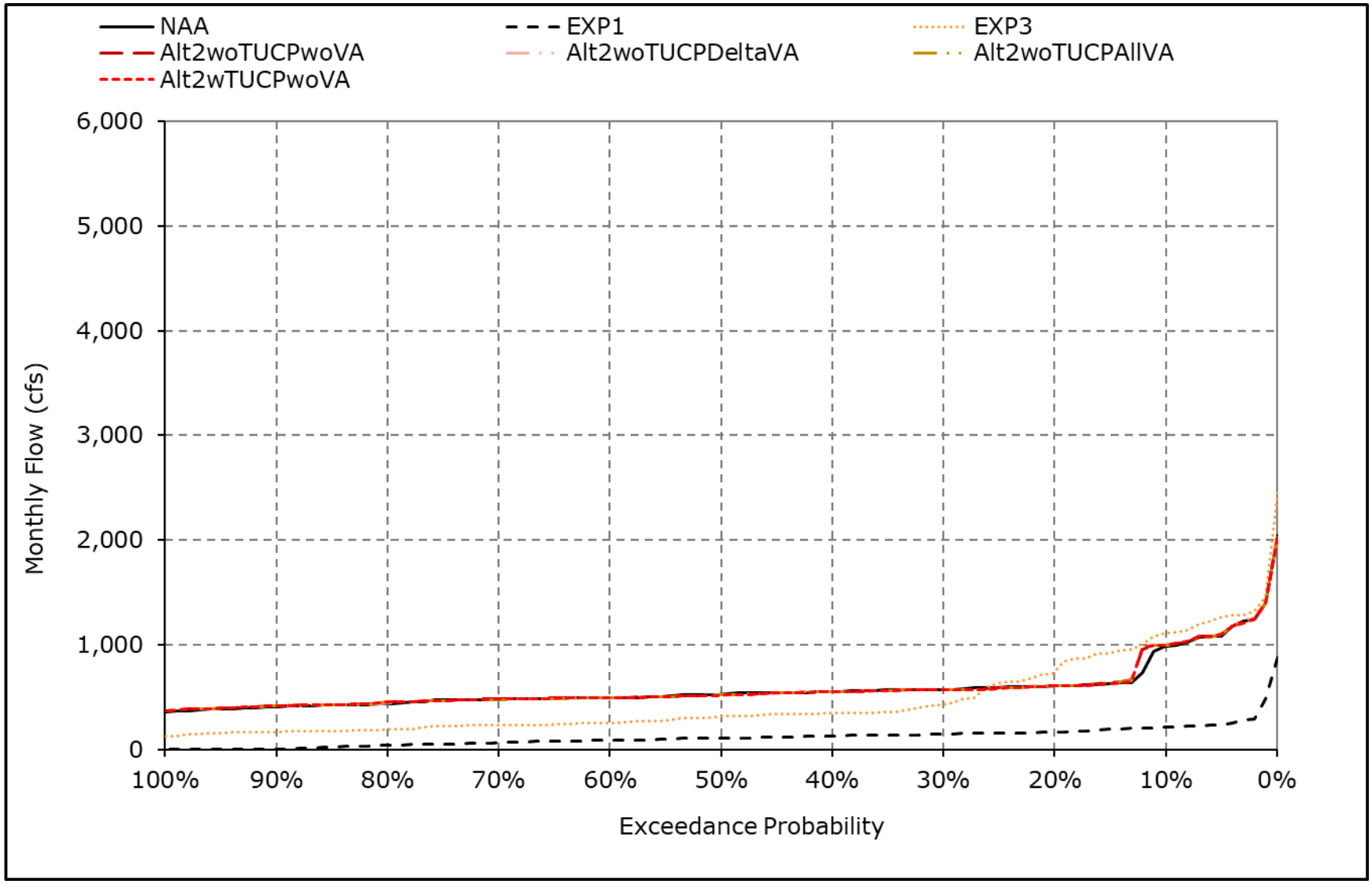
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-6. Stanislaus River Flow at Mouth, Critical Year Average Flow



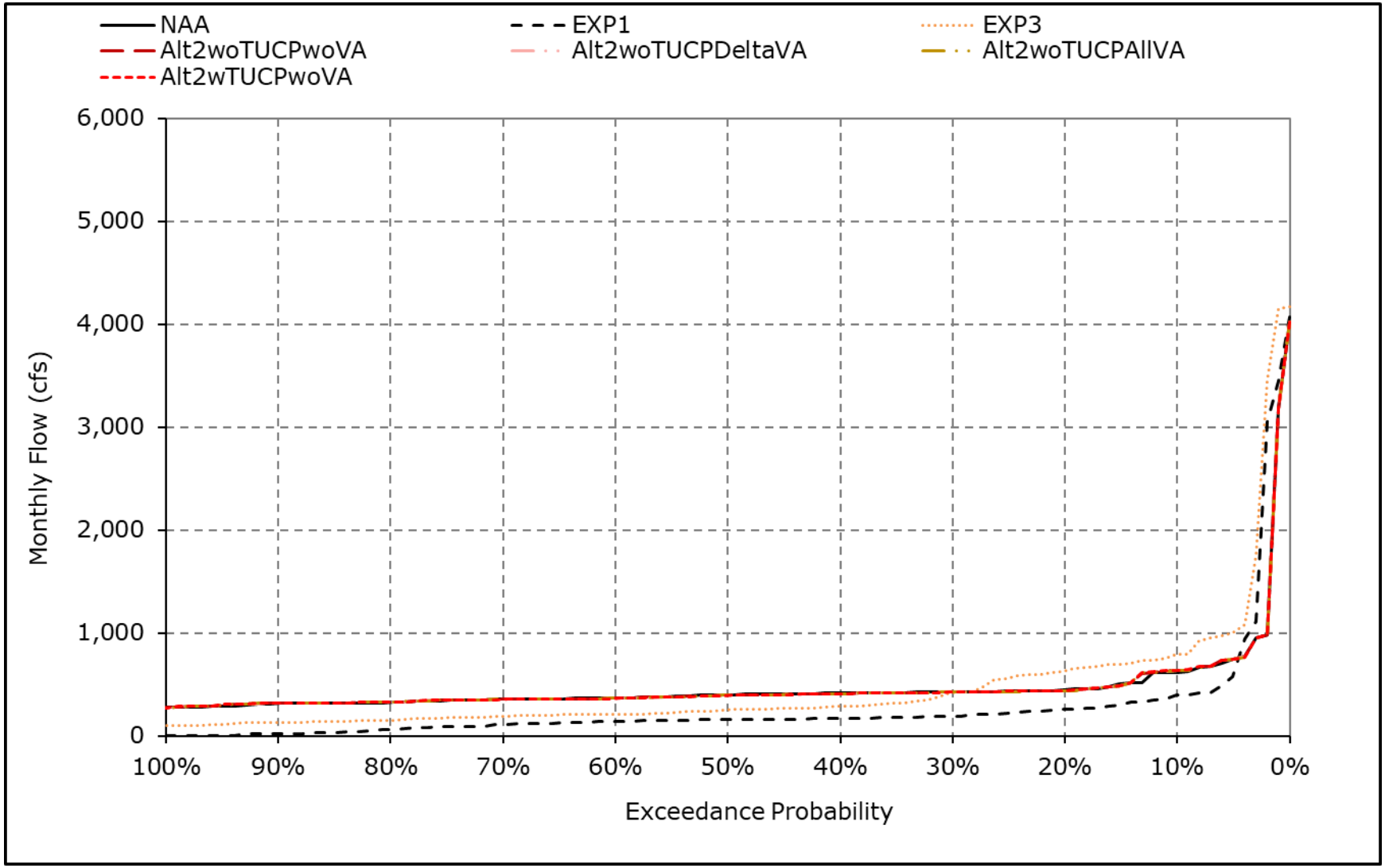
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-7. Stanislaus River Flow at Mouth, October



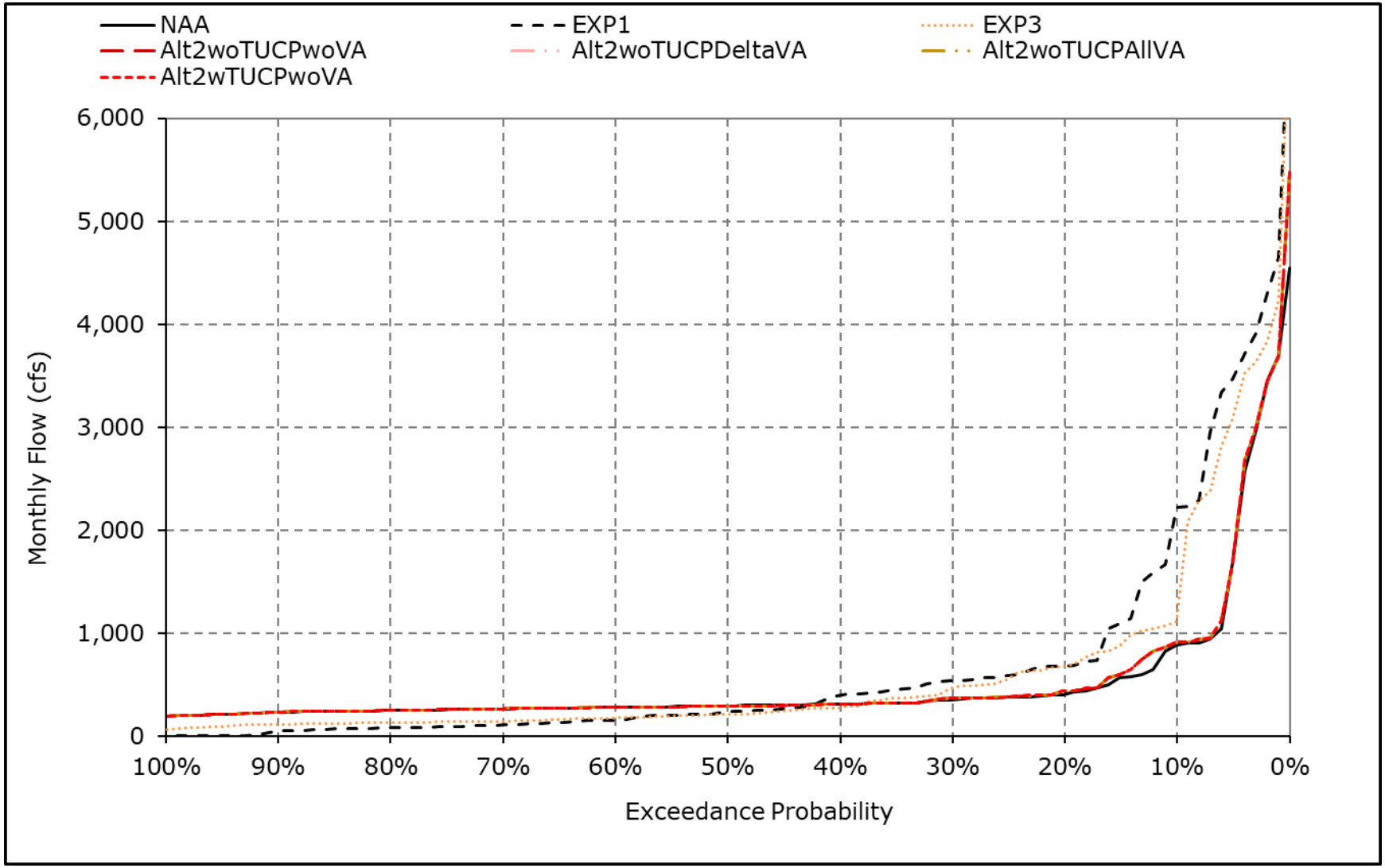
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-8. Stanislaus River Flow at Mouth, November



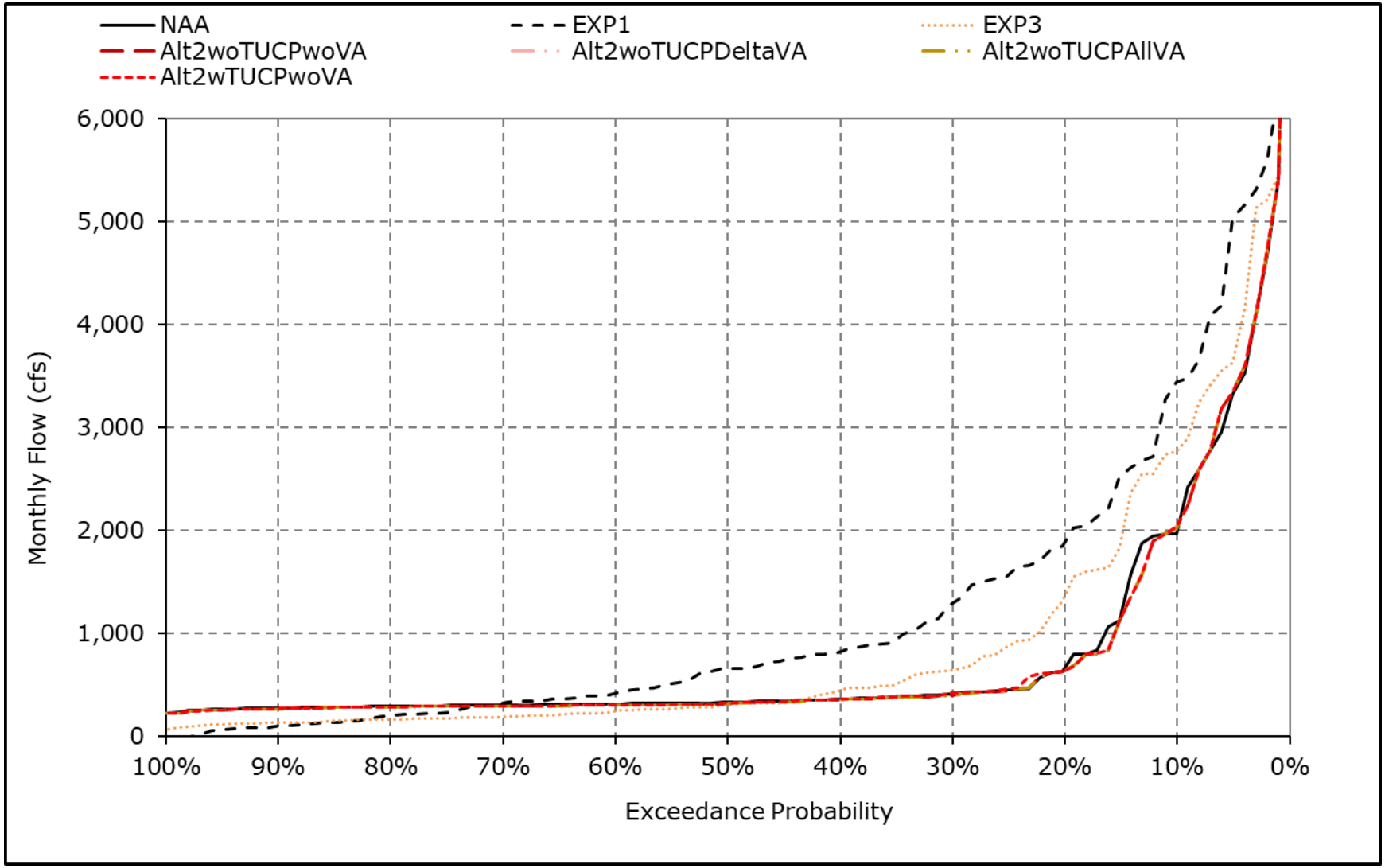
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-9. Stanislaus River Flow at Mouth, December



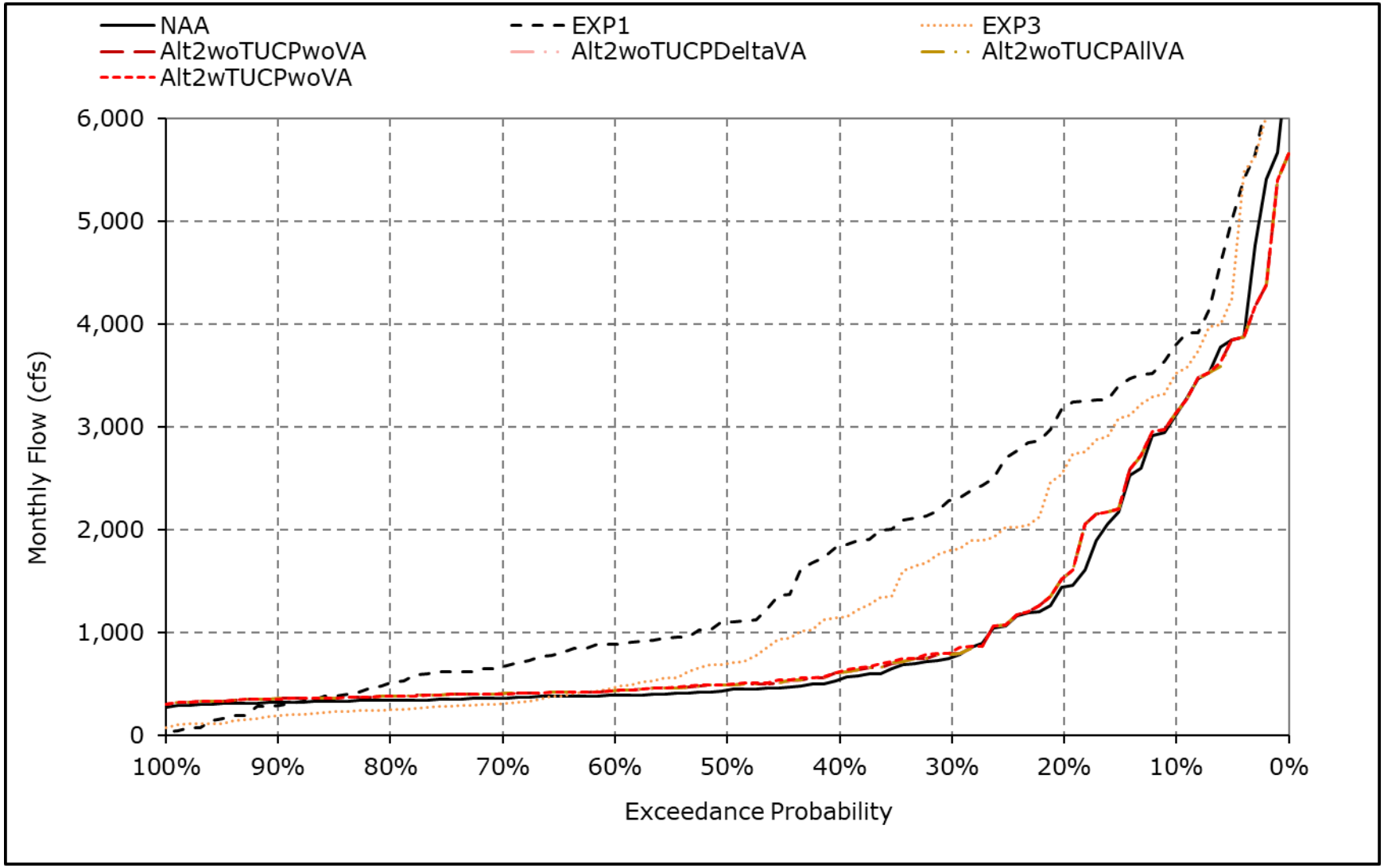
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-10. Stanislaus River Flow at Mouth, January



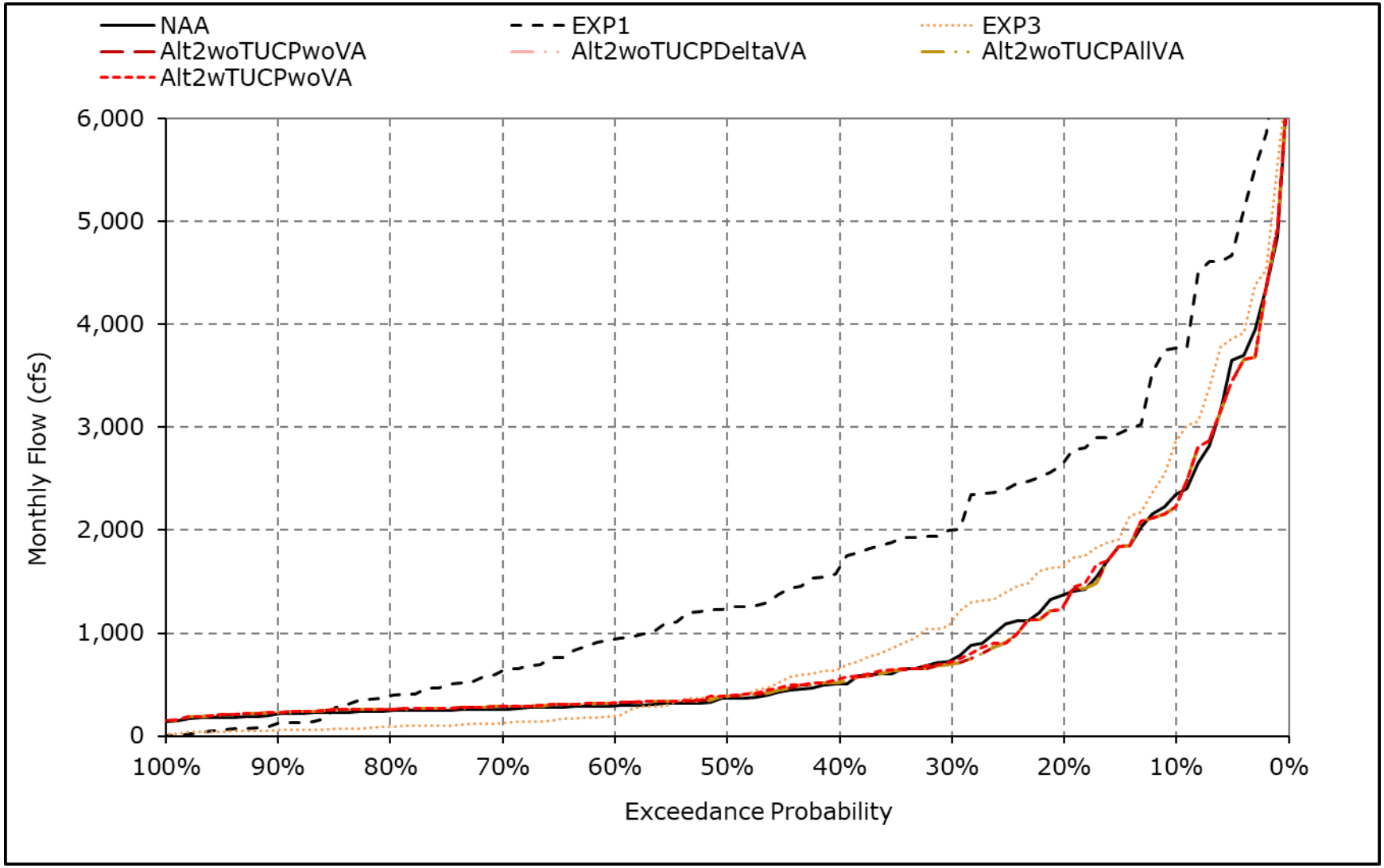
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-11. Stanislaus River Flow at Mouth, February



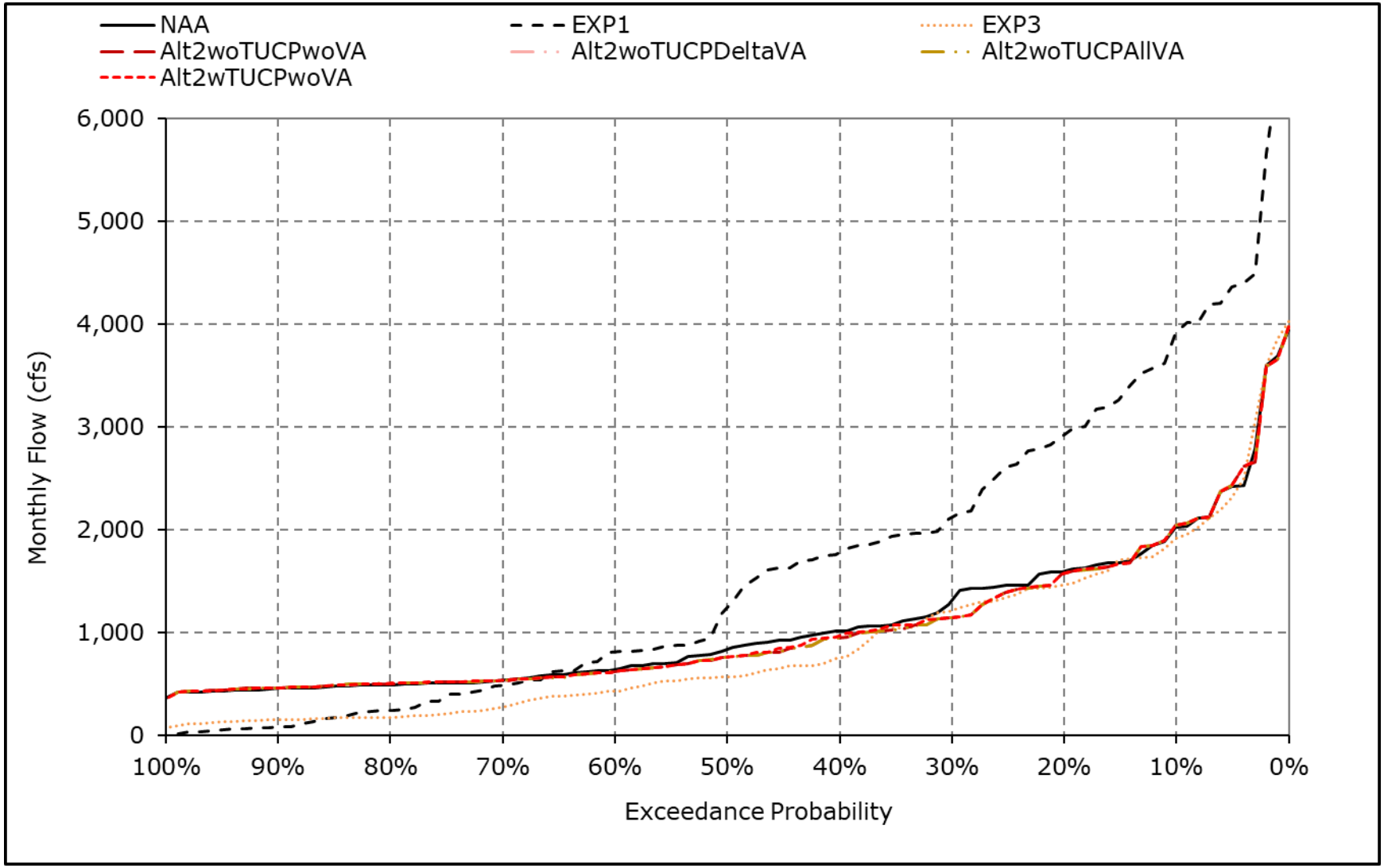
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-12. Stanislaus River Flow at Mouth, March



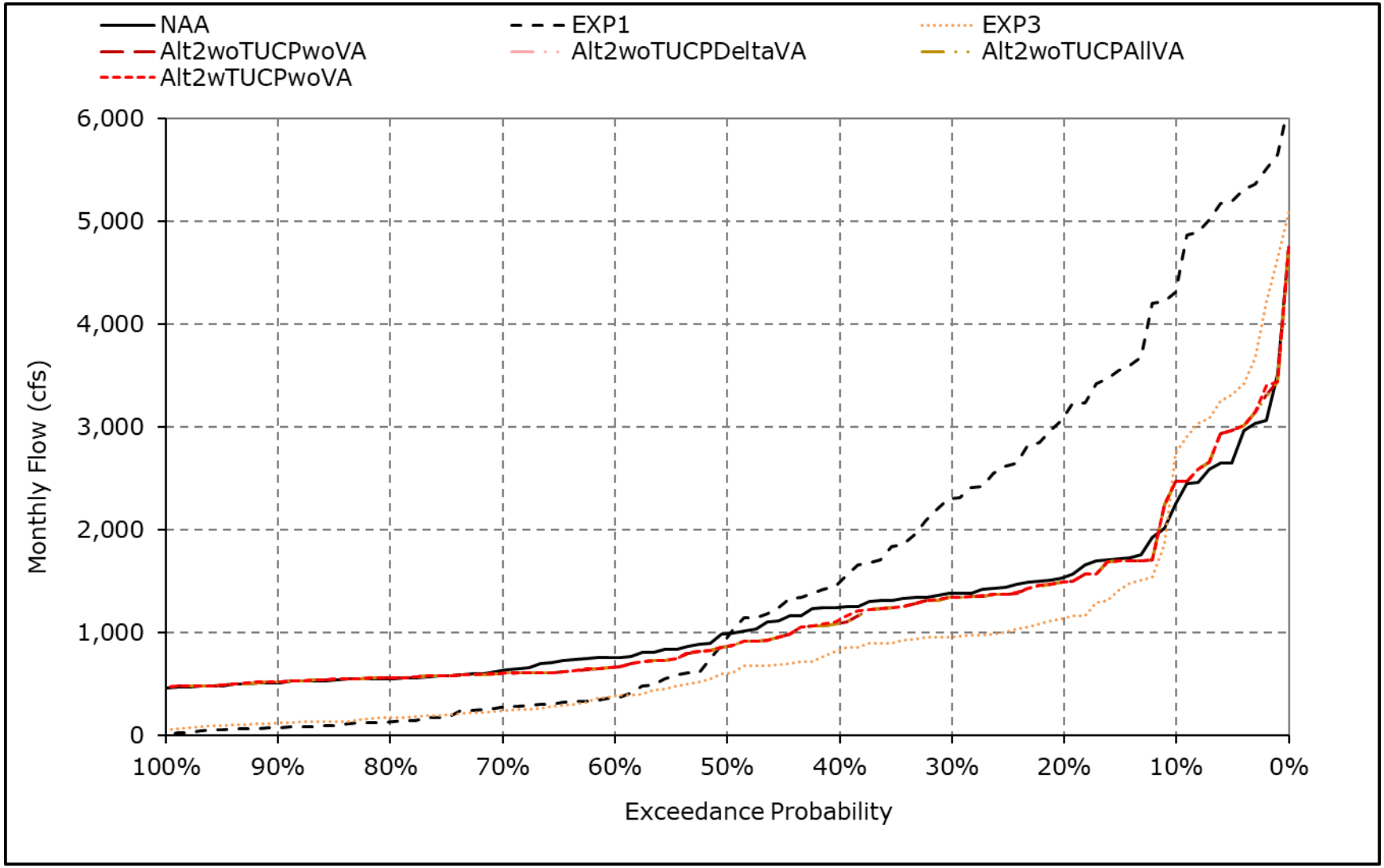
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-13. Stanislaus River Flow at Mouth, April



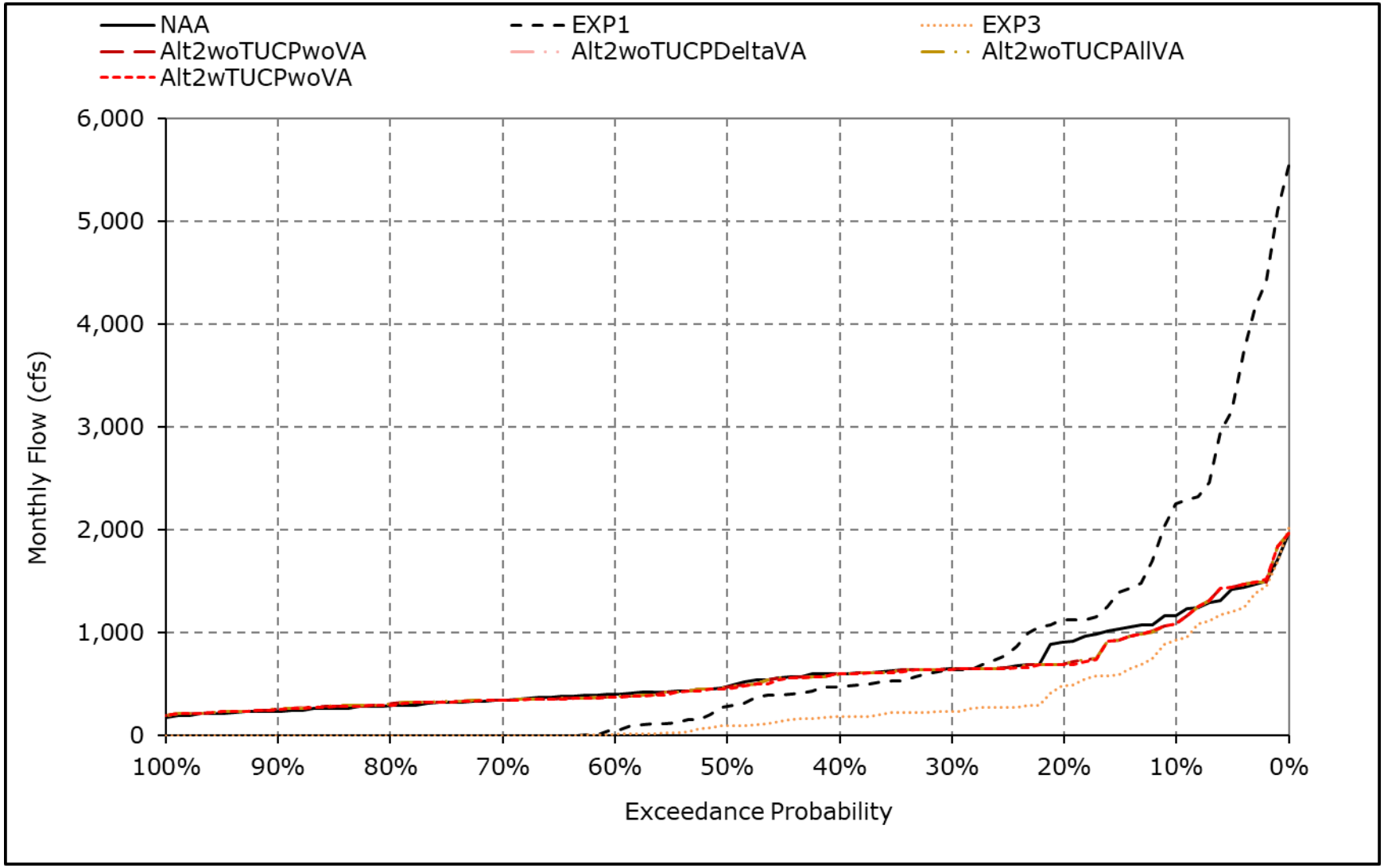
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-14. Stanislaus River Flow at Mouth, May



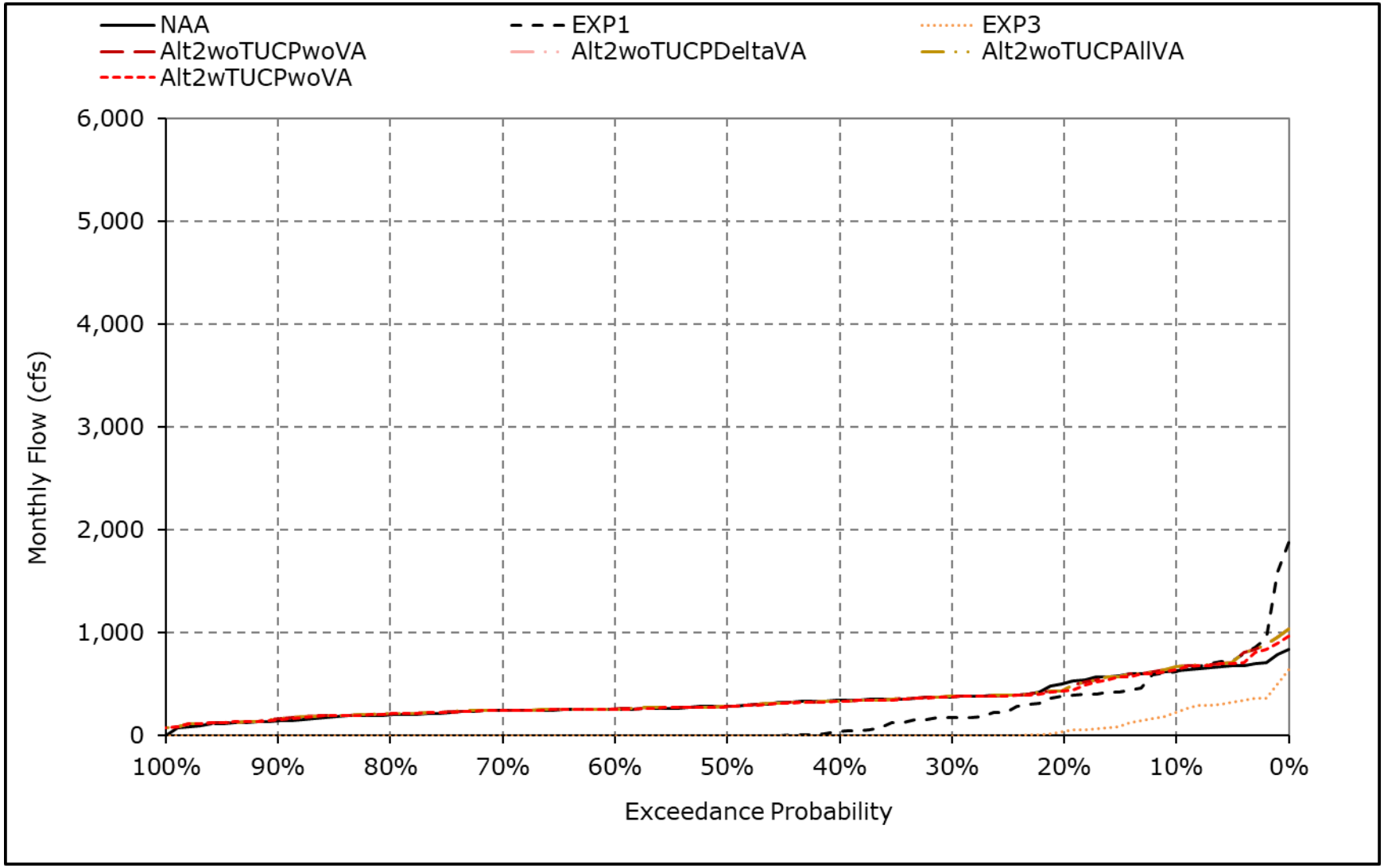
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-15. Stanislaus River Flow at Mouth, June



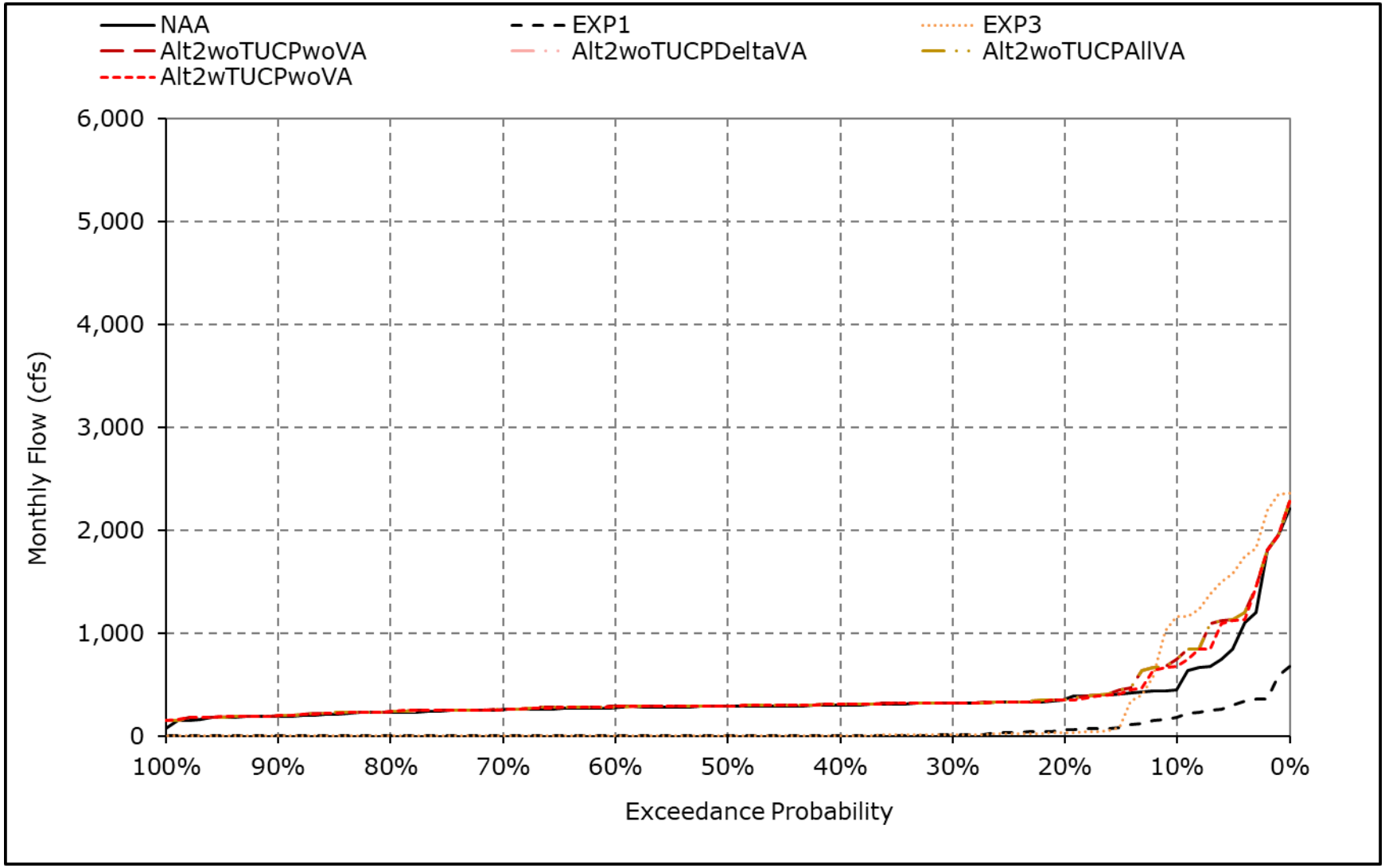
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-16. Stanislaus River Flow at Mouth, July



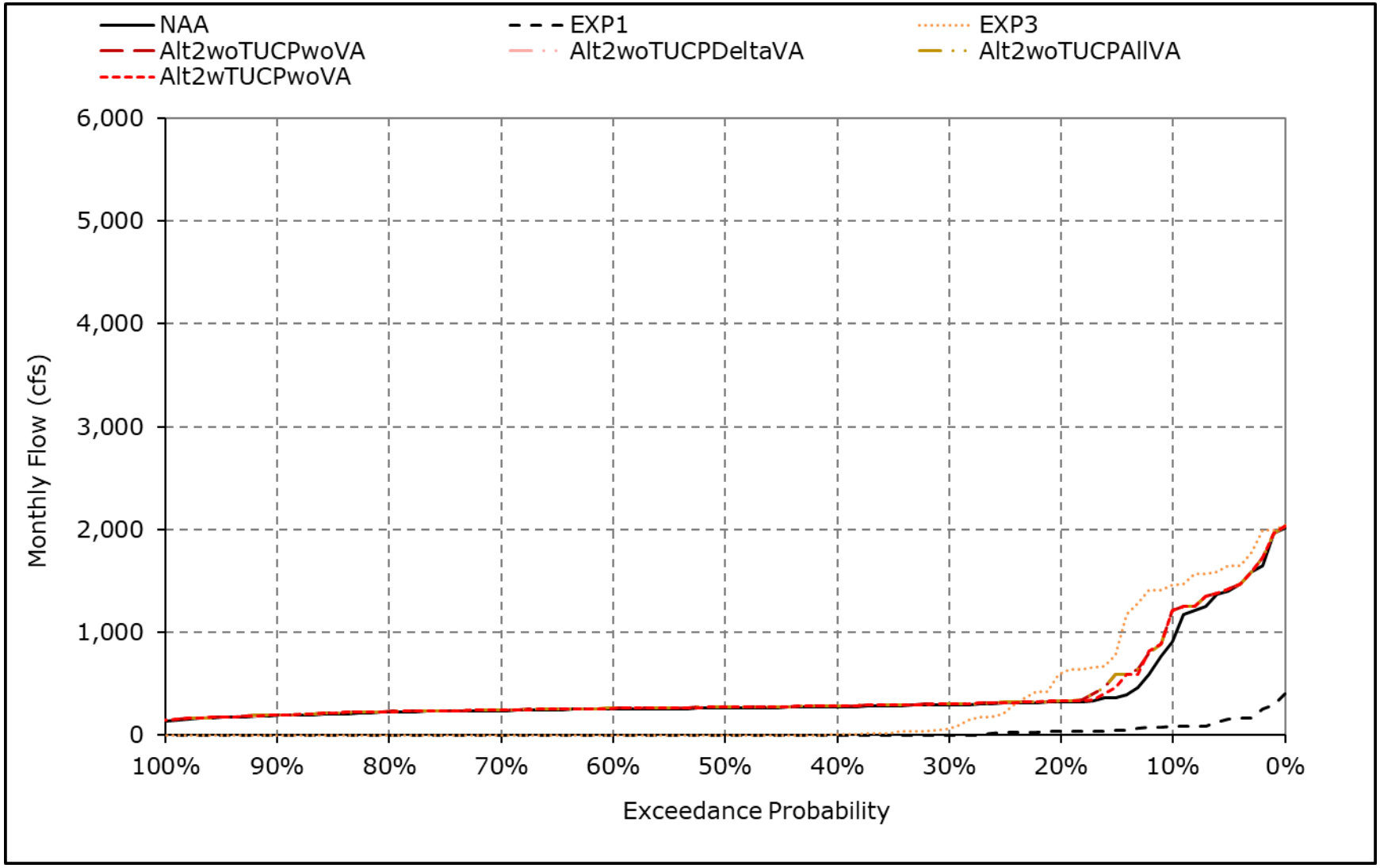
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-17. Stanislaus River Flow at Mouth, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-20-18. Stanislaus River Flow at Mouth, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-21-1a. San Joaquin River at Vernalis, NAA, 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

Table F.2.2-21-1b. San Joaquin River at Vernalis, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,669	5,030	9,790	15,579	14,422	13,658	12,904	8,757	4,091	2,580	2,835
20% Exceedance	2,562	2,272	2,808	5,088	9,248	8,806	9,444	7,661	4,325	2,520	1,773	1,677
30% Exceedance	2,097	1,995	2,059	3,648	5,902	7,175	7,937	5,095	2,954	1,705	1,481	1,388
40% Exceedance	1,857	1,826	1,777	2,736	4,139	4,539	6,342	4,127	2,379	1,611	1,368	1,327
50% Exceedance	1,750	1,617	1,624	2,168	3,000	2,788	3,752	2,950	1,852	1,352	1,140	1,181
60% Exceedance	1,572	1,439	1,525	1,900	2,387	2,518	2,920	2,233	1,524	1,184	1,008	1,068
70% Exceedance	1,472	1,361	1,403	1,749	2,169	2,214	2,607	2,066	1,416	1,033	939	995
80% Exceedance	1,398	1,270	1,296	1,688	1,974	2,061	2,302	1,808	1,258	758	822	907
90% Exceedance	1,296	1,222	1,199	1,574	1,834	1,950	2,077	1,550	1,111	613	669	779
Full Simulation Period Average[a]	2,060	1,969	2,882	4,602	6,441	6,055	6,356	5,367	3,471	1,864	1,432	1,429
Wet Water Years (28%)	2,978	2,954	4,104	9,893	13,077	12,457	12,469	11,473	7,328	3,540	2,383	2,268
Above Normal Water Years (14%)	2,215	1,864	2,542	4,067	6,981	6,305	6,563	4,646	3,163	1,885	1,414	1,381
Below Normal Water Years (18%)	1,819	1,709	2,726	2,761	4,372	4,109	4,830	3,731	2,379	1,459	1,202	1,252
Dry Water Years (24%)	1,536	1,511	2,639	1,982	2,771	2,567	2,958	2,358	1,463	944	912	1,009
Critical Water Years (16%)	1,318	1,277	1,518	1,811	2,188	2,055	2,294	1,664	1,233	751	825	829

Table F.2.2-21-1c. San Joaquin River at Vernalis, Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	-2	6	54	213	-234	96	-22	-3	1	75	138
20% Exceedance	-36	27	11	0	95	13	-67	-5	-7	-152	72	20
30% Exceedance	1	-8	-1	75	27	41	-3	-62	-1	-1	32	1
40% Exceedance	-28	0	-4	-21	164	-67	-90	-44	2	-22	48	1
50% Exceedance	-28	3	-12	-9	11	-32	-36	-91	-7	90	39	-17
60% Exceedance	10	-20	-2	-16	5	20	7	-163	-52	29	16	33
70% Exceedance	3	5	5	-15	62	10	8	-24	38	41	27	42
80% Exceedance	1	3	26	0	19	10	6	-10	18	71	59	34
90% Exceedance	-12	12	-3	-12	44	16	0	-5	48	40	16	15
Full Simulation Period Average[a]	-1	0	19	-16	16	-8	-43	-46	-23	9	36	22
Wet Water Years (28%)	-4	-4	13	15	9	-42	-63	-8	-62	-37	8	5
Above Normal Water Years (14%)	-6	-12	-8	-143	-81	-27	-24	-63	-37	-14	2	14
Below Normal Water Years (18%)	-11	-10	4	23	60	5	-84	-130	-60	-27	19	37
Dry Water Years (24%)	-7	-3	54	-9	39	17	-34	-47	-24	-19	-13	-10
Critical Water Years (16%)	30	33	19	-11	27	18	7	0	104	191	209	91

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-2a. San Joaquin River at Vernalis, NAA, 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

Table F.2.2-21-2b. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,382	2,668	5,032	9,808	15,578	14,430	13,662	12,914	8,756	4,090	2,579	2,834
20% Exceedance	2,558	2,267	2,807	5,091	9,252	8,805	9,458	7,857	4,322	2,516	1,756	1,676
30% Exceedance	2,096	1,995	2,059	3,651	5,894	7,175	7,935	5,095	2,954	1,706	1,479	1,388
40% Exceedance	1,857	1,825	1,778	2,737	4,142	4,536	6,420	4,124	2,379	1,609	1,371	1,329
50% Exceedance	1,742	1,616	1,624	2,168	3,001	2,886	3,848	2,960	1,854	1,354	1,137	1,182
60% Exceedance	1,557	1,446	1,530	1,898	2,447	2,591	2,946	2,230	1,525	1,183	1,005	1,066
70% Exceedance	1,472	1,359	1,405	1,750	2,168	2,333	2,682	2,075	1,415	1,034	941	978
80% Exceedance	1,405	1,266	1,305	1,697	1,987	2,136	2,308	1,806	1,278	760	827	909
90% Exceedance	1,312	1,228	1,211	1,576	1,851	2,019	2,162	1,573	1,105	606	669	794
Full Simulation Period Average[a]	2,058	1,968	2,882	4,602	6,449	6,103	6,387	5,378	3,474	1,864	1,431	1,430
Wet Water Years (28%)	2,977	2,954	4,105	9,893	13,073	12,460	12,479	11,473	7,329	3,539	2,382	2,268
Above Normal Water Years (14%)	2,211	1,864	2,543	4,067	6,981	6,315	6,582	4,653	3,165	1,887	1,411	1,378
Below Normal Water Years (18%)	1,817	1,708	2,723	2,762	4,380	4,170	4,862	3,766	2,380	1,459	1,201	1,253
Dry Water Years (24%)	1,526	1,505	2,638	1,982	2,789	2,660	3,021	2,368	1,469	945	912	1,010
Critical Water Years (16%)	1,332	1,284	1,521	1,810	2,208	2,133	2,321	1,673	1,237	750	825	836

Table F.2.2-21-2c. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	106	-3	8	72	212	-226	100	-12	-5	-1	74	137
20% Exceedance	-40	22	10	3	98	12	-53	190	-10	-156	55	20
30% Exceedance	0	-9	-2	77	20	41	-5	-63	0	1	30	1
40% Exceedance	-29	-2	-4	-20	167	-70	-11	-47	2	-25	51	2
50% Exceedance	-35	1	-13	-9	12	66	60	-80	-6	92	37	-15
60% Exceedance	-5	-13	3	-17	64	93	33	-167	-51	28	12	31
70% Exceedance	2	2	7	-14	61	130	84	-15	38	41	29	25
80% Exceedance	9	0	35	10	32	85	11	-12	37	73	63	36
90% Exceedance	4	18	9	-11	61	84	85	17	41	33	17	30
Full Simulation Period Average[a]	-3	-1	19	-16	24	40	-13	-35	-20	9	35	23
Wet Water Years (28%)	-5	-4	14	14	6	-39	-53	-8	-62	-38	7	5
Above Normal Water Years (14%)	-11	-12	-7	-143	-82	-17	-5	-56	-35	-13	-1	11
Below Normal Water Years (18%)	-12	-11	1	24	69	65	-52	-95	-59	-27	19	38
Dry Water Years (24%)	-16	-9	52	-9	57	111	29	-37	-17	-18	-14	-10
Critical Water Years (16%)	44	40	21	-11	46	95	34	9	109	190	209	98

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-3a. San Joaquin River at Vernalis, NAA, 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

Table F.2.2-21-3b. San Joaquin River at Vernalis, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,368	2,669	5,031	9,799	15,861	14,425	13,671	12,915	8,758	4,099	2,580	2,835
20% Exceedance	2,562	2,273	2,808	5,092	9,253	8,806	9,457	7,660	4,324	2,556	1,770	1,677
30% Exceedance	2,097	1,995	2,060	3,650	5,896	7,176	7,938	5,095	2,954	1,859	1,485	1,388
40% Exceedance	1,855	1,826	1,793	2,738	4,142	4,541	6,432	4,125	2,385	1,668	1,378	1,334
50% Exceedance	1,747	1,616	1,623	2,168	3,001	2,887	3,847	2,961	1,859	1,403	1,148	1,200
60% Exceedance	1,582	1,442	1,531	1,899	2,450	2,589	2,948	2,237	1,526	1,215	1,026	1,066
70% Exceedance	1,454	1,360	1,403	1,752	2,169	2,338	2,683	2,077	1,418	1,044	943	1,002
80% Exceedance	1,393	1,267	1,308	1,679	1,987	2,138	2,308	1,801	1,278	869	826	923
90% Exceedance	1,276	1,201	1,187	1,576	1,852	2,031	2,163	1,574	1,080	589	665	781
Full Simulation Period Average[a]	2,058	1,967	2,882	4,611	6,453	6,107	6,389	5,378	3,476	1,920	1,438	1,433
Wet Water Years (28%)	2,977	2,954	4,105	9,921	13,070	12,461	12,484	11,479	7,331	3,568	2,384	2,269
Above Normal Water Years (14%)	2,209	1,864	2,543	4,067	6,978	6,315	6,582	4,654	3,167	2,008	1,427	1,384
Below Normal Water Years (18%)	1,831	1,718	2,731	2,772	4,409	4,171	4,865	3,750	2,381	1,563	1,211	1,262
Dry Water Years (24%)	1,522	1,494	2,631	1,980	2,791	2,673	3,023	2,372	1,472	995	918	1,014
Critical Water Years (16%)	1,325	1,283	1,519	1,811	2,209	2,134	2,321	1,674	1,238	751	826	831

Table F.2.2-21-3c. San Joaquin River at Vernalis, Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	92	-3	7	63	495	-231	109	-11	-3	9	75	138
20% Exceedance	-36	28	11	4	99	13	-54	-6	-8	-117	69	20
30% Exceedance	1	-9	-1	77	22	42	-2	-62	-1	154	36	0
40% Exceedance	-30	0	11	-19	168	-66	0	-46	9	35	58	8
50% Exceedance	-30	2	-13	-9	12	67	59	-80	-1	140	48	2
60% Exceedance	20	-17	3	-17	67	91	34	-159	-50	60	34	31
70% Exceedance	-15	3	5	-12	62	134	84	-13	40	51	31	49
80% Exceedance	-3	1	38	-9	32	87	12	-17	37	182	63	50
90% Exceedance	-31	-8	-15	-10	62	97	86	18	16	15	12	16
Full Simulation Period Average[a]	-3	-2	18	-7	28	44	-10	-35	-18	65	42	26
Wet Water Years (28%)	-5	-3	14	42	3	-38	-48	-2	-60	-10	10	6
Above Normal Water Years (14%)	-13	-13	-7	-144	-84	-17	-5	-55	-34	108	15	16
Below Normal Water Years (18%)	1	-2	9	33	97	67	-49	-112	-58	77	29	47
Dry Water Years (24%)	-21	-20	45	-12	59	123	31	-34	-14	32	-7	-5
Critical Water Years (16%)	37	39	20	-10	47	96	34	9	109	191	210	93

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-4a. San Joaquin River at Vernalis, NAA, 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

Table F.2.2-21-4b. San Joaquin River at Vernalis, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,668	5,036	9,734	15,519	14,432	13,659	12,904	8,757	4,091	2,581	2,835
20% Exceedance	2,563	2,272	2,808	5,096	9,256	8,808	9,451	7,676	4,325	2,516	1,678	1,678
30% Exceedance	2,097	1,997	2,060	3,650	5,903	7,223	7,938	5,097	2,956	1,709	1,475	1,391
40% Exceedance	1,861	1,828	1,792	2,747	4,140	4,543	6,343	4,128	2,380	1,612	1,367	1,330
50% Exceedance	1,754	1,614	1,625	2,189	3,020	2,814	3,755	2,959	1,837	1,334	1,140	1,163
60% Exceedance	1,575	1,439	1,522	1,900	2,387	2,518	2,922	2,234	1,515	1,167	1,003	1,066
70% Exceedance	1,452	1,358	1,395	1,750	2,169	2,217	2,607	2,068	1,408	1,011	934	974
80% Exceedance	1,394	1,268	1,308	1,680	1,970	2,062	2,302	1,809	1,259	702	792	903
90% Exceedance	1,314	1,208	1,203	1,574	1,837	1,951	2,078	1,549	1,112	584	650	811
Full Simulation Period Average[a]	2,061	1,967	2,882	4,606	6,444	6,066	6,363	5,372	3,468	1,855	1,422	1,430
Wet Water Years (28%)	2,979	2,956	4,106	9,894	13,077	12,484	12,489	11,484	7,332	3,542	2,384	2,270
Above Normal Water Years (14%)	2,221	1,867	2,543	4,092	7,003	6,325	6,568	4,649	3,166	1,887	1,416	1,385
Below Normal Water Years (18%)	1,829	1,719	2,730	2,766	4,371	4,110	4,833	3,739	2,387	1,469	1,211	1,260
Dry Water Years (24%)	1,528	1,504	2,636	1,982	2,771	2,568	2,959	2,360	1,465	947	915	1,015
Critical Water Years (16%)	1,322	1,262	1,511	1,805	2,187	2,055	2,294	1,664	1,191	672	741	811

Table F.2.2-21-4c. San Joaquin River at Vernalis, Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	-3	12	-3	153	-223	98	-22	-3	1	76	138
20% Exceedance	-35	27	11	8	103	14	-60	9	-7	-156	-23	21
30% Exceedance	1	-7	-1	77	28	89	-2	-61	1	4	26	3
40% Exceedance	-25	2	11	-10	165	-64	-88	-43	4	-22	47	4
50% Exceedance	-23	0	-12	12	31	-6	-33	-81	-22	72	40	-34
60% Exceedance	13	-20	-5	-15	4	20	8	-163	-61	11	10	30
70% Exceedance	-18	1	-3	-14	62	13	9	-22	30	19	22	21
80% Exceedance	-3	1	37	-8	15	11	6	-9	18	15	28	30
90% Exceedance	7	-1	1	-12	47	17	1	-7	48	11	-2	46
Full Simulation Period Average[a]	1	-2	19	-12	18	3	-36	-41	-26	-1	25	23
Wet Water Years (28%)	-3	-2	15	15	9	-15	-43	3	-59	-35	9	7
Above Normal Water Years (14%)	-1	-10	-6	-118	-60	-7	-19	-61	-35	-13	4	18
Below Normal Water Years (18%)	-1	-1	8	28	60	6	-81	-123	-52	-17	28	45
Dry Water Years (24%)	-15	-10	51	-9	39	18	-33	-45	-21	-16	-11	-4
Critical Water Years (16%)	34	19	12	-16	26	17	7	0	62	113	124	73

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-5a. San Joaquin River at Vernalis, NAA, 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

Table F.2.2-21-5b. San Joaquin River at Vernalis, EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,388	2,695	5,207	11,134	16,569	15,652	14,902	16,138	11,135	3,241	2,771	2,919
20% Exceedance	2,611	2,167	2,547	5,108	11,929	10,597	9,357	8,668	4,976	2,087	1,263	1,716
30% Exceedance	1,811	1,925	2,001	3,727	7,535	8,305	6,654	4,926	2,621	1,219	871	1,064
40% Exceedance	1,533	1,605	1,718	2,576	5,128	5,083	5,269	3,816	1,958	1,144	753	864
50% Exceedance	1,275	1,412	1,437	2,048	3,141	2,795	3,130	2,563	1,345	853	675	667
60% Exceedance	1,146	1,211	1,301	1,870	2,260	2,357	2,356	1,874	1,073	691	602	597
70% Exceedance	1,052	1,065	1,156	1,608	2,009	2,084	2,042	1,616	981	581	534	558
80% Exceedance	1,004	982	1,051	1,482	1,787	1,804	1,832	1,369	923	513	489	512
90% Exceedance	943	925	933	1,278	1,472	1,634	1,656	1,177	836	456	408	441
Full Simulation Period Average[a]	1,815	1,895	2,872	4,723	7,227	6,670	6,108	5,573	3,557	1,525	1,118	1,191
Wet Water Years (28%)	2,971	3,119	4,189	10,356	15,454	14,449	13,067	12,727	8,361	3,278	2,280	2,327
Above Normal Water Years (14%)	1,930	1,761	2,462	4,444	7,717	6,840	5,880	4,603	2,947	1,341	872	1,115
Below Normal Water Years (18%)	1,546	1,521	2,744	2,864	4,728	4,333	4,300	3,726	2,142	997	830	912
Dry Water Years (24%)	1,114	1,391	2,696	1,806	2,780	2,492	2,357	2,016	1,109	645	559	582
Critical Water Years (16%)	992	999	1,260	1,577	1,882	1,805	1,792	1,314	948	533	461	498

Table F.2.2-21-5c. San Joaquin River at Vernalis, EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	112	23	183	1,398	1,203	997	1,341	3,212	2,374	-850	266	222
20% Exceedance	13	-77	-250	20	2,775	1,804	-154	1,001	644	-586	-438	59
30% Exceedance	-284	-78	-60	154	1,661	1,171	-1,286	-231	-333	-487	-578	-323
40% Exceedance	-352	-221	-64	-181	1,154	477	-1,163	-356	-419	-489	-567	-463
50% Exceedance	-502	-202	-199	-129	152	-25	-658	-477	-515	-409	-425	-531
60% Exceedance	-416	-248	-227	-46	-123	-141	-558	-522	-503	-464	-390	-438
70% Exceedance	-418	-291	-242	-156	-98	-120	-556	-474	-397	-412	-378	-395
80% Exceedance	-392	-285	-220	-205	-167	-247	-465	-450	-318	-175	-275	-361
90% Exceedance	-364	-285	-269	-308	-318	-300	-421	-378	-228	-117	-244	-324
Full Simulation Period Average[a]	-245	-74	9	105	801	607	-291	160	63	-331	-279	-215
Wet Water Years (28%)	-11	162	97	477	2,386	1,950	535	1,246	971	-300	-95	64
Above Normal Water Years (14%)	-292	-116	-87	234	654	508	-707	-106	-253	-559	-540	-252
Below Normal Water Years (18%)	-284	-198	23	126	416	229	-614	-136	-297	-489	-353	-303
Dry Water Years (24%)	-429	-123	110	-186	48	-58	-635	-390	-377	-318	-367	-438
Critical Water Years (16%)	-297	-245	-239	-244	-279	-233	-495	-350	-181	-27	-155	-240

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-6a. San Joaquin River at Vernalis, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (28%)	2,058	2,606	4,041	11,755	15,787	15,389	14,629	15,230	10,654	3,656	1,656	1,377
Above Normal Water Years (14%)	1,513	1,496	2,553	5,308	8,519	8,160	6,779	6,257	4,134	1,536	893	963
Below Normal Water Years (18%)	1,174	1,302	3,181	2,996	5,235	5,332	5,376	4,786	2,616	1,008	682	684
Dry Water Years (24%)	894	1,338	3,254	1,868	3,259	3,103	3,047	2,508	1,241	611	488	500
Critical Water Years (16%)	742	815	1,118	1,520	2,129	1,984	1,828	1,441	979	490	417	442

Table F.2.2-21-6b. San Joaquin River at Vernalis, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,669	5,030	9,790	15,579	14,422	13,658	12,904	8,757	4,091	2,580	2,835
20% Exceedance	2,562	2,272	2,808	5,088	9,248	8,806	9,444	7,661	4,325	2,520	1,773	1,677
30% Exceedance	2,097	1,995	2,059	3,648	5,902	7,175	7,937	5,095	2,954	1,705	1,481	1,388
40% Exceedance	1,857	1,826	1,777	2,736	4,139	4,539	6,342	4,127	2,379	1,611	1,368	1,327
50% Exceedance	1,750	1,617	1,624	2,168	3,000	2,788	3,752	2,950	1,852	1,352	1,140	1,181
60% Exceedance	1,572	1,439	1,525	1,900	2,387	2,518	2,920	2,233	1,524	1,184	1,008	1,068
70% Exceedance	1,472	1,361	1,403	1,749	2,169	2,214	2,607	2,066	1,416	1,033	939	995
80% Exceedance	1,398	1,270	1,296	1,688	1,974	2,061	2,302	1,808	1,258	758	822	907
90% Exceedance	1,296	1,222	1,199	1,574	1,834	1,950	2,077	1,550	1,111	613	669	779
Full Simulation Period Average[a]	2,060	1,969	2,882	4,602	6,441	6,055	6,356	5,367	3,471	1,864	1,432	1,429
Wet Water Years (28%)	2,978	2,954	4,104	9,893	13,077	12,457	12,469	11,473	7,328	3,540	2,383	2,268
Above Normal Water Years (14%)	2,215	1,864	2,542	4,067	6,981	6,305	6,563	4,646	3,163	1,885	1,414	1,381
Below Normal Water Years (18%)	1,819	1,709	2,726	2,761	4,372	4,109	4,830	3,731	2,379	1,459	1,202	1,252
Dry Water Years (24%)	1,536	1,511	2,639	1,982	2,771	2,567	2,958	2,358	1,463	944	912	1,009
Critical Water Years (16%)	1,318	1,277	1,518	1,811	2,188	2,055	2,294	1,664	1,233	751	825	829

Table F.2.2-21-6c. San Joaquin River at Vernalis, Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,175	401	-772	-3,561	-3,059	-3,169	-2,676	-6,017	-4,961	480	777	1,406
20% Exceedance	813	551	-467	-2,264	-2,221	-3,238	-1,000	-3,774	-2,356	292	512	546
30% Exceedance	742	515	-36	-774	-2,969	-2,178	-373	-1,904	-314	327	626	606
40% Exceedance	655	474	124	-56	-1,875	-1,841	39	-1,018	44	520	672	645
50% Exceedance	758	438	217	-57	-716	-1,150	-1,159	-171	390	624	534	622
60% Exceedance	647	424	318	-89	-151	-631	98	14	365	605	505	549
70% Exceedance	632	423	305	3	-141	-388	364	463	451	502	477	494
80% Exceedance	616	421	396	195	-41	-61	419	461	425	333	406	465
90% Exceedance	623	439	424	384	189	132	471	452	333	223	326	398
Full Simulation Period Average[a]	719	337	-153	-663	-1,237	-1,418	-680	-1,468	-1,016	219	537	595
Wet Water Years (28%)	919	348	63	-1,861	-2,710	-2,931	-2,161	-3,757	-3,326	-115	727	891
Above Normal Water Years (14%)	702	368	-11	-1,241	-1,537	-1,854	-216	-1,611	-971	349	521	418
Below Normal Water Years (18%)	645	407	-455	-235	-863	-1,223	-547	-1,055	-237	451	520	568
Dry Water Years (24%)	641	174	-615	115	-488	-536	-89	-150	222	333	424	509
Critical Water Years (16%)	576	461	400	291	59	71	466	223	254	261	408	387

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-7a. San Joaquin River at Vernalis, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (28%)	2,058	2,606	4,041	11,755	15,787	15,389	14,629	15,230	10,654	3,656	1,656	1,377
Above Normal Water Years (14%)	1,513	1,496	2,553	5,308	8,519	8,160	6,779	6,257	4,134	1,536	893	963
Below Normal Water Years (18%)	1,174	1,302	3,181	2,996	5,235	5,332	5,376	4,786	2,616	1,008	682	684
Dry Water Years (24%)	894	1,338	3,254	1,868	3,259	3,103	3,047	2,508	1,241	611	488	500
Critical Water Years (16%)	742	815	1,118	1,520	2,129	1,984	1,828	1,441	979	490	417	442

Table F.2.2-21-7b. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,382	2,668	5,032	9,808	15,578	14,430	13,662	12,914	8,756	4,090	2,579	2,834
20% Exceedance	2,558	2,267	2,807	5,091	9,252	8,805	9,458	7,857	4,322	2,516	1,756	1,676
30% Exceedance	2,096	1,995	2,059	3,651	5,894	7,175	7,935	5,095	2,954	1,706	1,479	1,388
40% Exceedance	1,857	1,825	1,778	2,737	4,142	4,536	6,420	4,124	2,379	1,609	1,371	1,329
50% Exceedance	1,742	1,616	1,624	2,168	3,001	2,886	3,848	2,960	1,854	1,354	1,137	1,182
60% Exceedance	1,557	1,446	1,530	1,898	2,447	2,591	2,946	2,230	1,525	1,183	1,005	1,066
70% Exceedance	1,472	1,359	1,405	1,750	2,168	2,333	2,682	2,075	1,415	1,034	941	978
80% Exceedance	1,405	1,266	1,305	1,697	1,987	2,136	2,308	1,806	1,278	760	827	909
90% Exceedance	1,312	1,228	1,211	1,576	1,851	2,019	2,162	1,573	1,105	606	669	794
Full Simulation Period Average[a]	2,058	1,968	2,882	4,602	6,449	6,103	6,387	5,378	3,474	1,864	1,431	1,430
Wet Water Years (28%)	2,977	2,954	4,105	9,893	13,073	12,460	12,479	11,473	7,329	3,539	2,382	2,268
Above Normal Water Years (14%)	2,211	1,864	2,543	4,067	6,981	6,315	6,582	4,653	3,165	1,887	1,411	1,378
Below Normal Water Years (18%)	1,817	1,708	2,723	2,762	4,380	4,170	4,862	3,766	2,380	1,459	1,201	1,253
Dry Water Years (24%)	1,526	1,505	2,638	1,982	2,789	2,660	3,021	2,368	1,469	945	912	1,010
Critical Water Years (16%)	1,332	1,284	1,521	1,810	2,208	2,133	2,321	1,673	1,237	750	825	836

Table F.2.2-21-7c. San Joaquin River at Vernalis, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,174	401	-770	-3,543	-3,060	-3,160	-2,672	-6,007	-4,963	479	776	1,405
20% Exceedance	810	546	-468	-2,261	-2,217	-3,240	-987	-3,579	-2,359	288	494	545
30% Exceedance	741	515	-37	-771	-2,977	-2,178	-375	-1,904	-313	328	624	606
40% Exceedance	654	472	125	-55	-1,873	-1,843	118	-1,021	45	517	675	646
50% Exceedance	751	436	216	-57	-715	-1,052	-1,063	-161	391	626	531	624
60% Exceedance	632	430	323	-91	-92	-558	124	10	366	605	501	548
70% Exceedance	631	421	306	3	-143	-269	440	472	450	502	479	477
80% Exceedance	624	417	405	204	-28	14	425	459	445	335	410	467
90% Exceedance	639	445	435	385	206	200	556	475	327	216	326	413
Full Simulation Period Average[a]	718	336	-154	-663	-1,229	-1,370	-650	-1,456	-1,013	219	536	595
Wet Water Years (28%)	918	348	64	-1,862	-2,714	-2,929	-2,151	-3,757	-3,325	-117	726	891
Above Normal Water Years (14%)	698	368	-11	-1,242	-1,538	-1,844	-198	-1,604	-969	351	517	415
Below Normal Water Years (18%)	643	406	-458	-233	-854	-1,162	-515	-1,020	-236	450	520	569
Dry Water Years (24%)	632	168	-616	115	-470	-443	-26	-140	228	334	424	510
Critical Water Years (16%)	590	469	402	290	78	148	493	232	258	260	408	394

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-8a. San Joaquin River at Vernalis, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (28%)	2,058	2,606	4,041	11,755	15,787	15,389	14,629	15,230	10,654	3,656	1,656	1,377
Above Normal Water Years (14%)	1,513	1,496	2,553	5,308	8,519	8,160	6,779	6,257	4,134	1,536	893	963
Below Normal Water Years (18%)	1,174	1,302	3,181	2,996	5,235	5,332	5,376	4,786	2,616	1,008	682	684
Dry Water Years (24%)	894	1,338	3,254	1,868	3,259	3,103	3,047	2,508	1,241	611	488	500
Critical Water Years (16%)	742	815	1,118	1,520	2,129	1,984	1,828	1,441	979	490	417	442

Table F.2.2-21-8b. San Joaquin River at Vernalis, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,368	2,669	5,031	9,799	15,861	14,425	13,671	12,915	8,758	4,099	2,580	2,835
20% Exceedance	2,562	2,273	2,808	5,092	9,253	8,806	9,457	7,660	4,324	2,556	1,770	1,677
30% Exceedance	2,097	1,995	2,060	3,650	5,896	7,176	7,938	5,095	2,954	1,859	1,485	1,388
40% Exceedance	1,855	1,826	1,793	2,738	4,142	4,541	6,432	4,125	2,385	1,668	1,378	1,334
50% Exceedance	1,747	1,616	1,623	2,168	3,001	2,887	3,847	2,961	1,859	1,403	1,148	1,200
60% Exceedance	1,582	1,442	1,531	1,899	2,450	2,589	2,948	2,237	1,526	1,215	1,026	1,066
70% Exceedance	1,454	1,360	1,403	1,752	2,169	2,338	2,683	2,077	1,418	1,044	943	1,002
80% Exceedance	1,393	1,267	1,308	1,679	1,987	2,138	2,308	1,801	1,278	869	826	923
90% Exceedance	1,276	1,201	1,187	1,576	1,852	2,031	2,163	1,574	1,080	589	665	781
Full Simulation Period Average[a]	2,058	1,967	2,882	4,611	6,453	6,107	6,389	5,378	3,476	1,920	1,438	1,433
Wet Water Years (28%)	2,977	2,954	4,105	9,921	13,070	12,461	12,484	11,479	7,331	3,568	2,384	2,269
Above Normal Water Years (14%)	2,209	1,864	2,543	4,067	6,978	6,315	6,582	4,654	3,167	2,008	1,427	1,384
Below Normal Water Years (18%)	1,831	1,718	2,731	2,772	4,409	4,171	4,865	3,750	2,381	1,563	1,211	1,262
Dry Water Years (24%)	1,522	1,494	2,631	1,980	2,791	2,673	3,023	2,372	1,472	995	918	1,014
Critical Water Years (16%)	1,325	1,283	1,519	1,811	2,209	2,134	2,321	1,674	1,238	751	826	831

Table F.2.2-21-8c. San Joaquin River at Vernalis, Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,160	401	-770	-3,552	-2,777	-3,165	-2,663	-6,005	-4,961	489	777	1,406
20% Exceedance	814	551	-467	-2,260	-2,216	-3,238	-987	-3,775	-2,357	328	508	546
30% Exceedance	742	515	-35	-771	-2,975	-2,177	-372	-1,904	-313	482	630	606
40% Exceedance	653	474	140	-53	-1,872	-1,839	129	-1,020	51	576	682	652
50% Exceedance	755	436	215	-57	-716	-1,051	-1,064	-161	396	675	542	641
60% Exceedance	657	426	323	-90	-89	-560	125	18	367	637	523	547
70% Exceedance	614	422	305	6	-142	-264	440	473	453	512	480	501
80% Exceedance	612	418	408	186	-28	16	425	455	445	444	410	480
90% Exceedance	604	418	412	386	207	213	557	476	301	199	322	399
Full Simulation Period Average[a]	718	335	-154	-654	-1,225	-1,366	-647	-1,457	-1,011	275	543	598
Wet Water Years (28%)	918	348	64	-1,834	-2,717	-2,928	-2,145	-3,751	-3,323	-88	729	892
Above Normal Water Years (14%)	696	367	-10	-1,242	-1,540	-1,845	-197	-1,603	-967	472	534	421
Below Normal Water Years (18%)	657	416	-450	-224	-826	-1,160	-512	-1,037	-235	554	530	578
Dry Water Years (24%)	628	157	-623	112	-468	-430	-24	-137	231	385	430	514
Critical Water Years (16%)	582	468	401	291	79	149	493	232	259	261	409	390

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-9a. San Joaquin River at Vernalis, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (28%)	2,058	2,606	4,041	11,755	15,787	15,389	14,629	15,230	10,654	3,656	1,656	1,377
Above Normal Water Years (14%)	1,513	1,496	2,553	5,308	8,519	8,160	6,779	6,257	4,134	1,536	893	963
Below Normal Water Years (18%)	1,174	1,302	3,181	2,996	5,235	5,332	5,376	4,786	2,616	1,008	682	684
Dry Water Years (24%)	894	1,338	3,254	1,868	3,259	3,103	3,047	2,508	1,241	611	488	500
Critical Water Years (16%)	742	815	1,118	1,520	2,129	1,984	1,828	1,441	979	490	417	442

Table F.2.2-21-9b. San Joaquin River at Vernalis, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,668	5,036	9,734	15,519	14,432	13,659	12,904	8,757	4,091	2,581	2,835
20% Exceedance	2,563	2,272	2,808	5,096	9,256	8,808	9,451	7,676	4,325	2,516	1,678	1,678
30% Exceedance	2,097	1,997	2,060	3,650	5,903	7,223	7,938	5,097	2,956	1,709	1,475	1,391
40% Exceedance	1,861	1,828	1,792	2,747	4,140	4,543	6,343	4,128	2,380	1,612	1,367	1,330
50% Exceedance	1,754	1,614	1,625	2,189	3,020	2,814	3,755	2,959	1,837	1,334	1,140	1,163
60% Exceedance	1,575	1,439	1,522	1,900	2,387	2,518	2,922	2,234	1,515	1,167	1,003	1,066
70% Exceedance	1,452	1,358	1,395	1,750	2,169	2,217	2,607	2,068	1,408	1,011	934	974
80% Exceedance	1,394	1,268	1,308	1,680	1,970	2,062	2,302	1,809	1,259	702	792	903
90% Exceedance	1,314	1,208	1,203	1,574	1,837	1,951	2,078	1,549	1,112	584	650	811
Full Simulation Period Average[a]	2,061	1,967	2,882	4,606	6,444	6,066	6,363	5,372	3,468	1,855	1,422	1,430
Wet Water Years (28%)	2,979	2,956	4,106	9,894	13,077	12,484	12,489	11,484	7,332	3,542	2,384	2,270
Above Normal Water Years (14%)	2,221	1,867	2,543	4,092	7,003	6,325	6,568	4,649	3,166	1,887	1,416	1,385
Below Normal Water Years (18%)	1,829	1,719	2,730	2,766	4,371	4,110	4,833	3,739	2,387	1,469	1,211	1,260
Dry Water Years (24%)	1,528	1,504	2,636	1,982	2,771	2,568	2,959	2,360	1,465	947	915	1,015
Critical Water Years (16%)	1,322	1,262	1,511	1,805	2,187	2,055	2,294	1,664	1,191	672	741	811

Table F.2.2-21-9c. San Joaquin River at Vernalis, Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,175	400	-766	-3,618	-3,119	-3,158	-2,675	-6,017	-4,961	480	778	1,406
20% Exceedance	814	551	-467	-2,256	-2,212	-3,237	-993	-3,759	-2,356	289	417	547
30% Exceedance	742	516	-35	-771	-2,968	-2,130	-372	-1,902	-312	331	620	609
40% Exceedance	658	476	140	-44	-1,875	-1,837	40	-1,017	46	520	671	647
50% Exceedance	762	435	217	-36	-697	-1,123	-1,156	-162	375	606	535	605
60% Exceedance	650	423	315	-89	-152	-631	99	14	356	588	499	547
70% Exceedance	612	420	297	3	-141	-385	364	465	443	480	472	473
80% Exceedance	613	418	407	187	-44	-61	419	463	426	278	375	460
90% Exceedance	642	425	428	384	192	132	472	451	333	195	307	429
Full Simulation Period Average[a]	721	336	-154	-659	-1,234	-1,407	-673	-1,462	-1,019	210	526	596
Wet Water Years (28%)	921	350	65	-1,861	-2,710	-2,904	-2,141	-3,746	-3,323	-114	728	893
Above Normal Water Years (14%)	708	370	-10	-1,216	-1,516	-1,835	-211	-1,609	-969	351	522	422
Below Normal Water Years (18%)	655	416	-451	-229	-864	-1,221	-543	-1,048	-229	461	529	576
Dry Water Years (24%)	634	167	-618	114	-488	-535	-88	-148	224	336	427	515
Critical Water Years (16%)	580	447	393	286	58	71	466	223	211	183	323	369

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-21-10a. San Joaquin River at Vernalis, EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (28%)	2,058	2,606	4,041	11,755	15,787	15,389	14,629	15,230	10,654	3,656	1,656	1,377
Above Normal Water Years (14%)	1,513	1,496	2,553	5,308	8,519	8,160	6,779	6,257	4,134	1,536	893	963
Below Normal Water Years (18%)	1,174	1,302	3,181	2,996	5,235	5,332	5,376	4,786	2,616	1,008	682	684
Dry Water Years (24%)	894	1,338	3,254	1,868	3,259	3,103	3,047	2,508	1,241	611	488	500
Critical Water Years (16%)	742	815	1,118	1,520	2,129	1,984	1,828	1,441	979	490	417	442

Table F.2.2-21-10b. San Joaquin River at Vernalis, NAA, 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

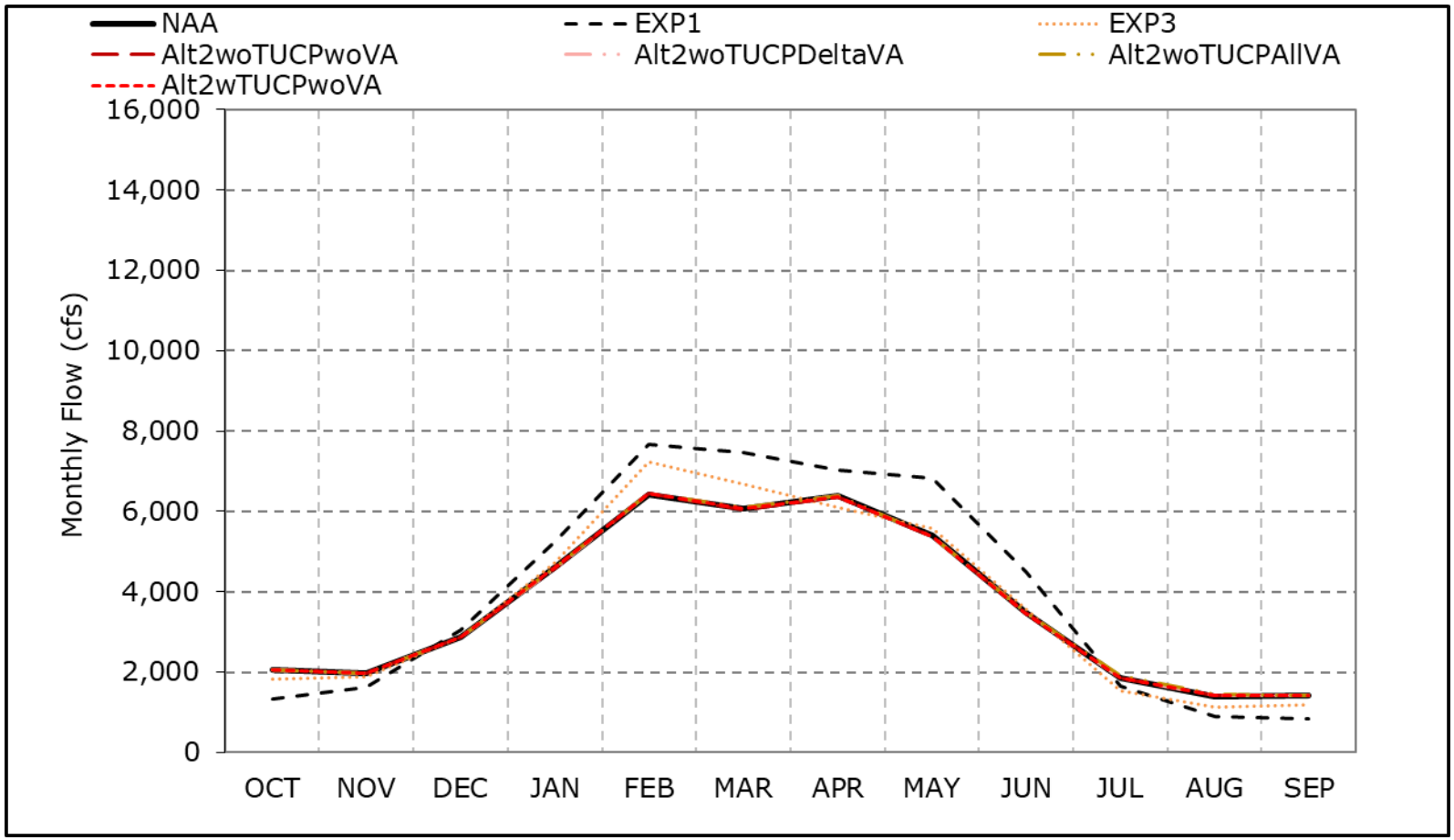
Table F.2.2-21-10c. San Joaquin River at Vernalis, NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,068	404	-778	-3,615	-3,272	-2,935	-2,773	-5,995	-4,958	480	703	1,268
20% Exceedance	850	524	-478	-2,264	-2,315	-3,251	-933	-3,768	-2,349	445	440	526
30% Exceedance	741	523	-35	-849	-2,997	-2,219	-370	-1,842	-313	328	594	605
40% Exceedance	683	474	129	-35	-2,040	-1,773	129	-974	42	542	625	644
50% Exceedance	786	435	229	-48	-727	-1,118	-1,123	-81	397	534	495	639
60% Exceedance	637	443	320	-73	-156	-651	91	177	417	577	489	516
70% Exceedance	629	419	300	17	-203	-399	356	487	413	461	449	452
80% Exceedance	615	417	370	195	-60	-72	414	472	407	263	347	430
90% Exceedance	635	427	426	396	145	116	471	458	285	184	309	383
Full Simulation Period Average[a]	720	337	-172	-647	-1,253	-1,410	-637	-1,422	-994	211	501	572
Wet Water Years (28%)	923	352	50	-1,876	-2,719	-2,889	-2,098	-3,749	-3,264	-78	719	886
Above Normal Water Years (14%)	709	380	-4	-1,098	-1,456	-1,828	-193	-1,548	-934	363	518	404
Below Normal Water Years (18%)	656	417	-459	-257	-923	-1,227	-463	-925	-177	477	501	531
Dry Water Years (24%)	648	177	-668	124	-527	-553	-55	-102	246	353	438	519
Critical Water Years (16%)	546	428	381	302	32	53	459	223	149	70	199	296

[a] Based on the 100-year simulation period.

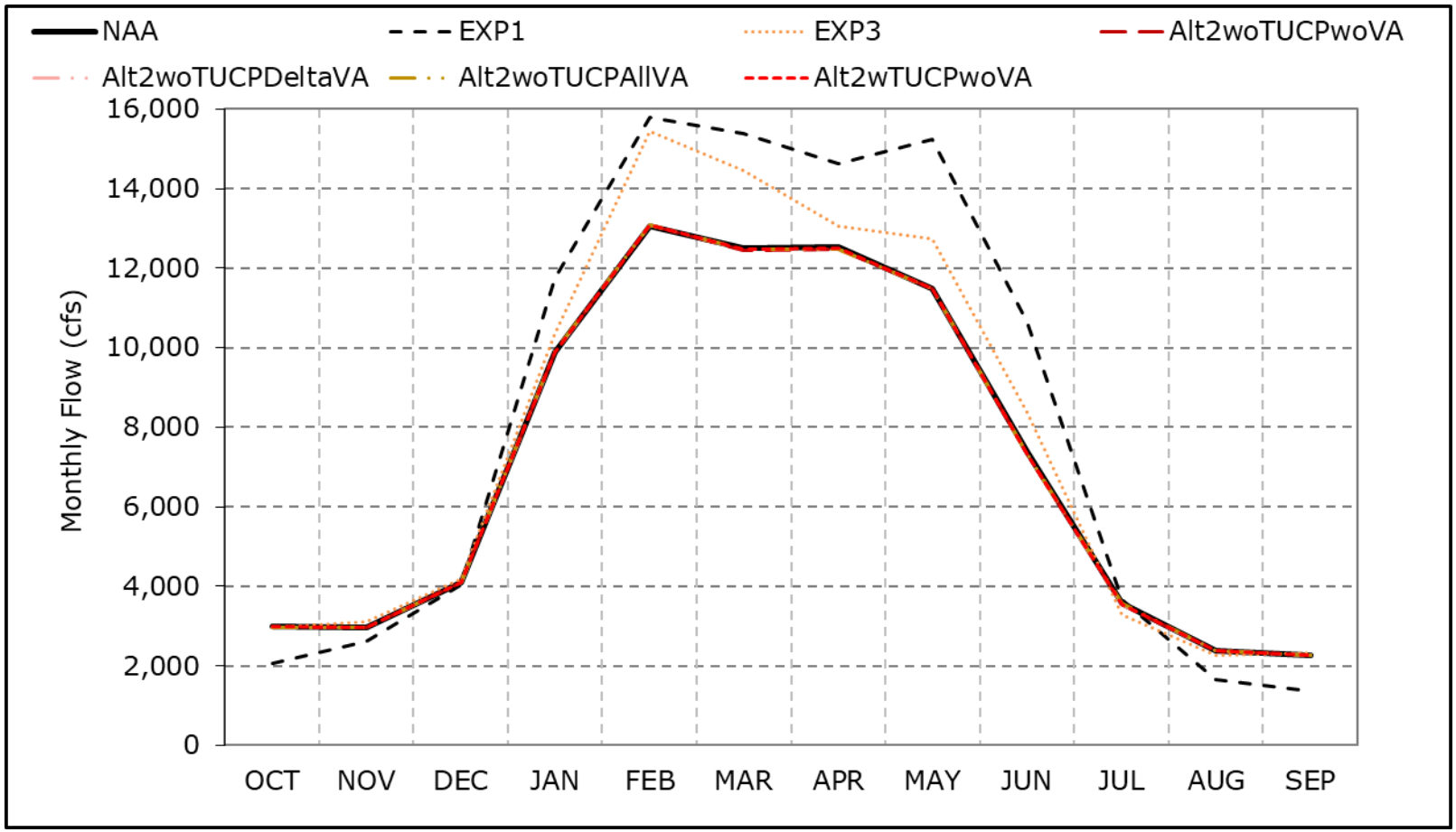
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-21-1. San Joaquin River at Vernalis, Long-Term Average Flow



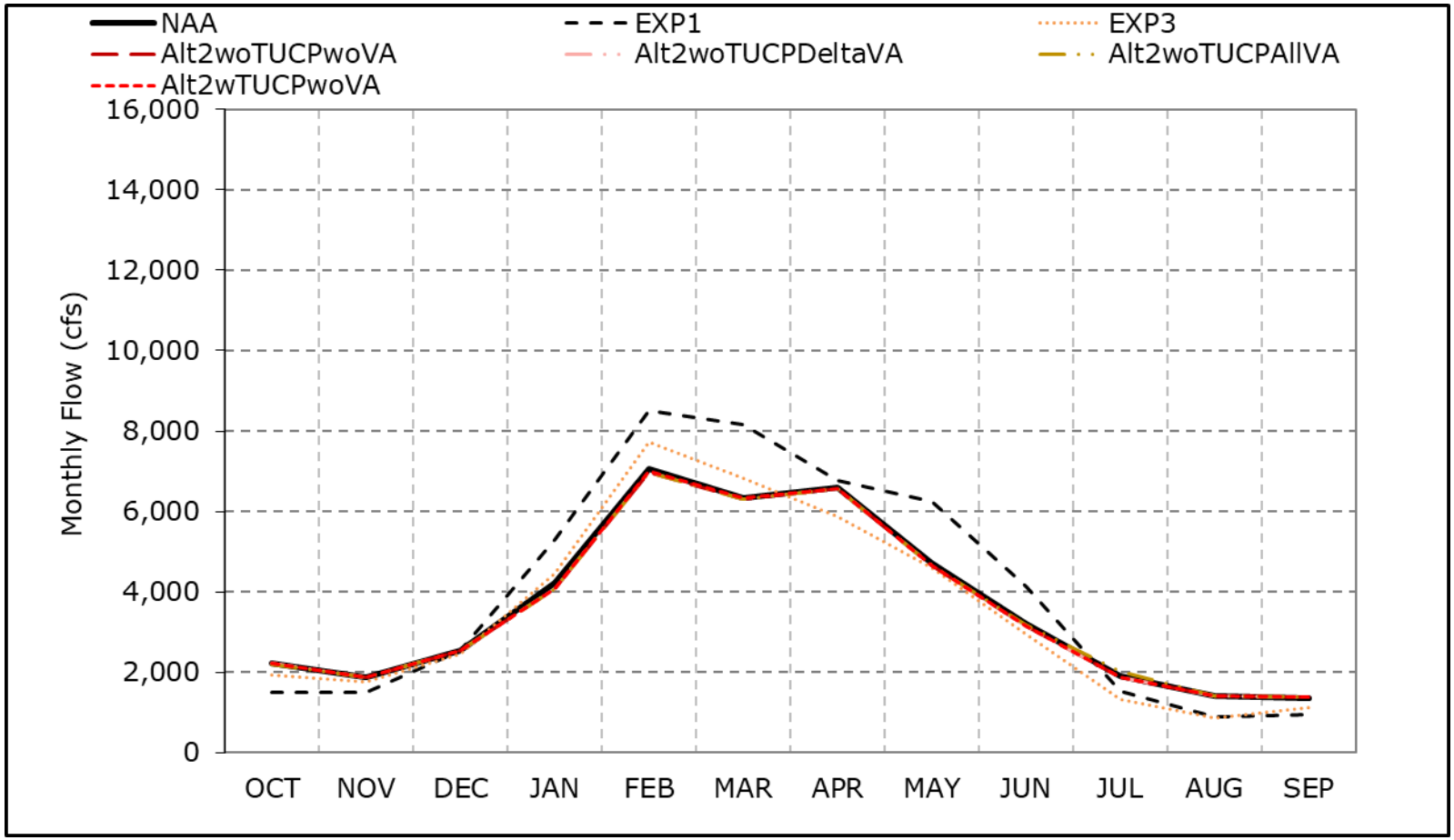
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-2. San Joaquin River at Vernalis, Wet Year Average Flow



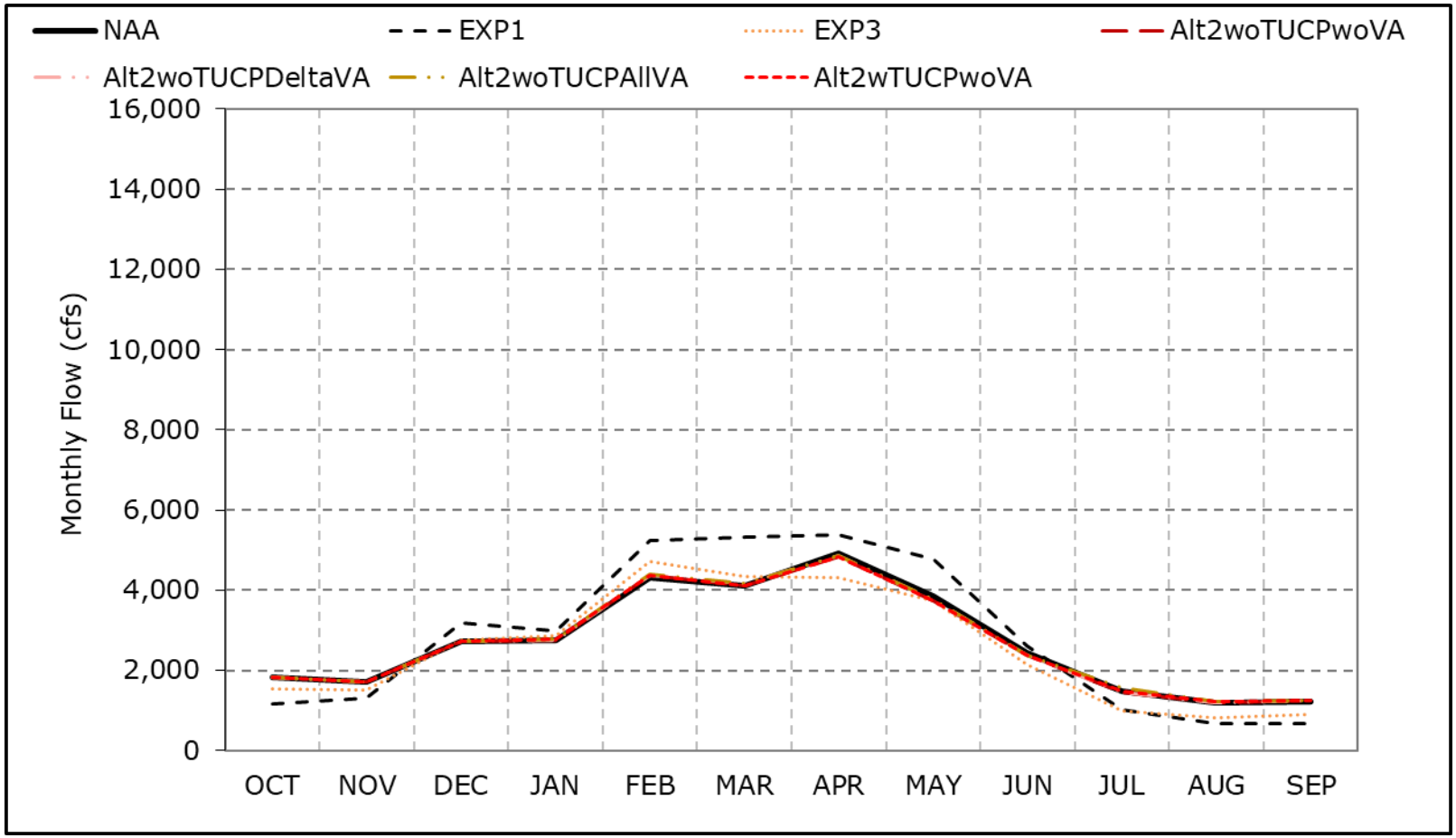
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-3. San Joaquin River at Vernalis, Above Normal Year Average Flow



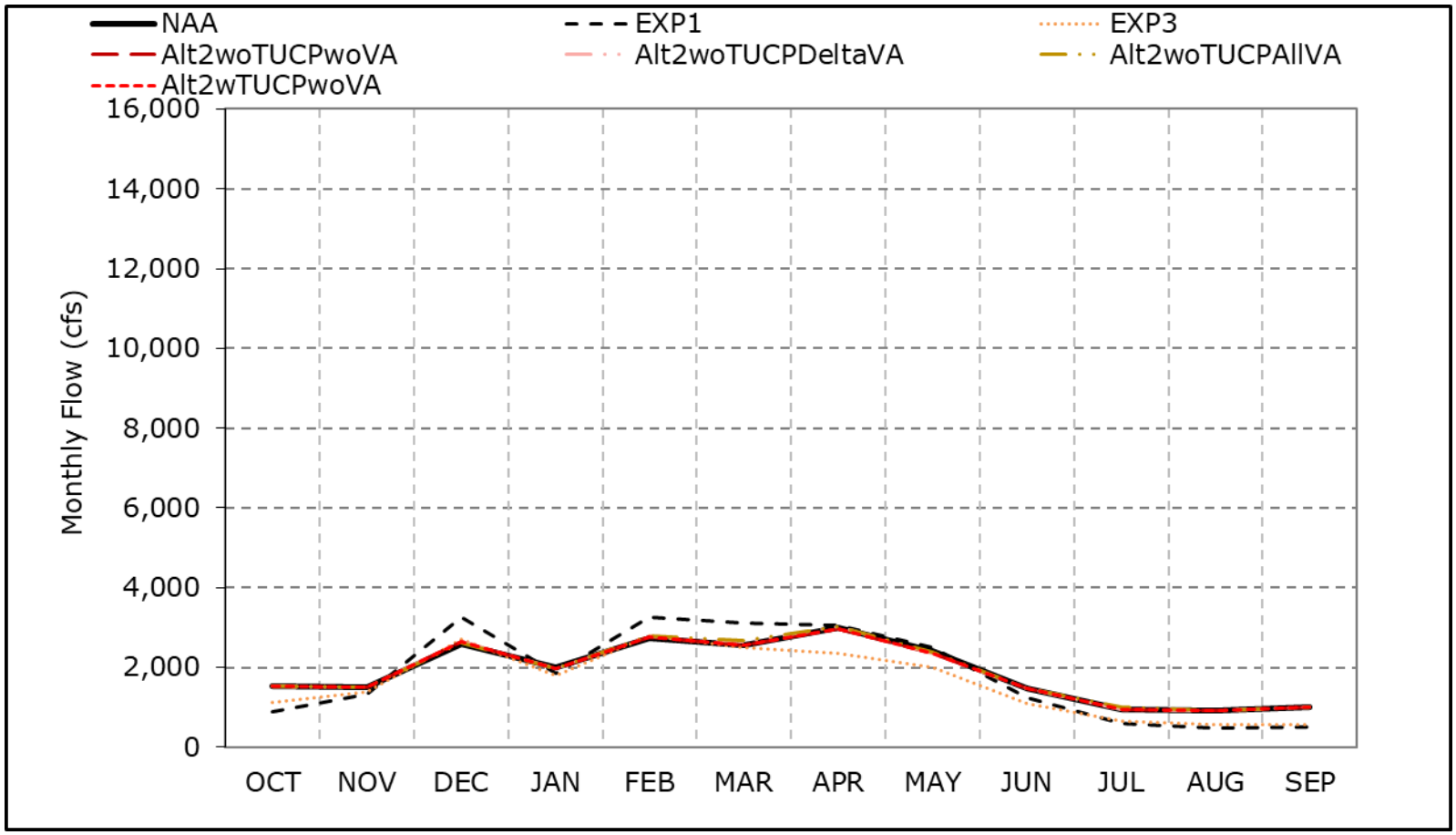
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-4. San Joaquin River at Vernalis, Below Normal Year Average Flow



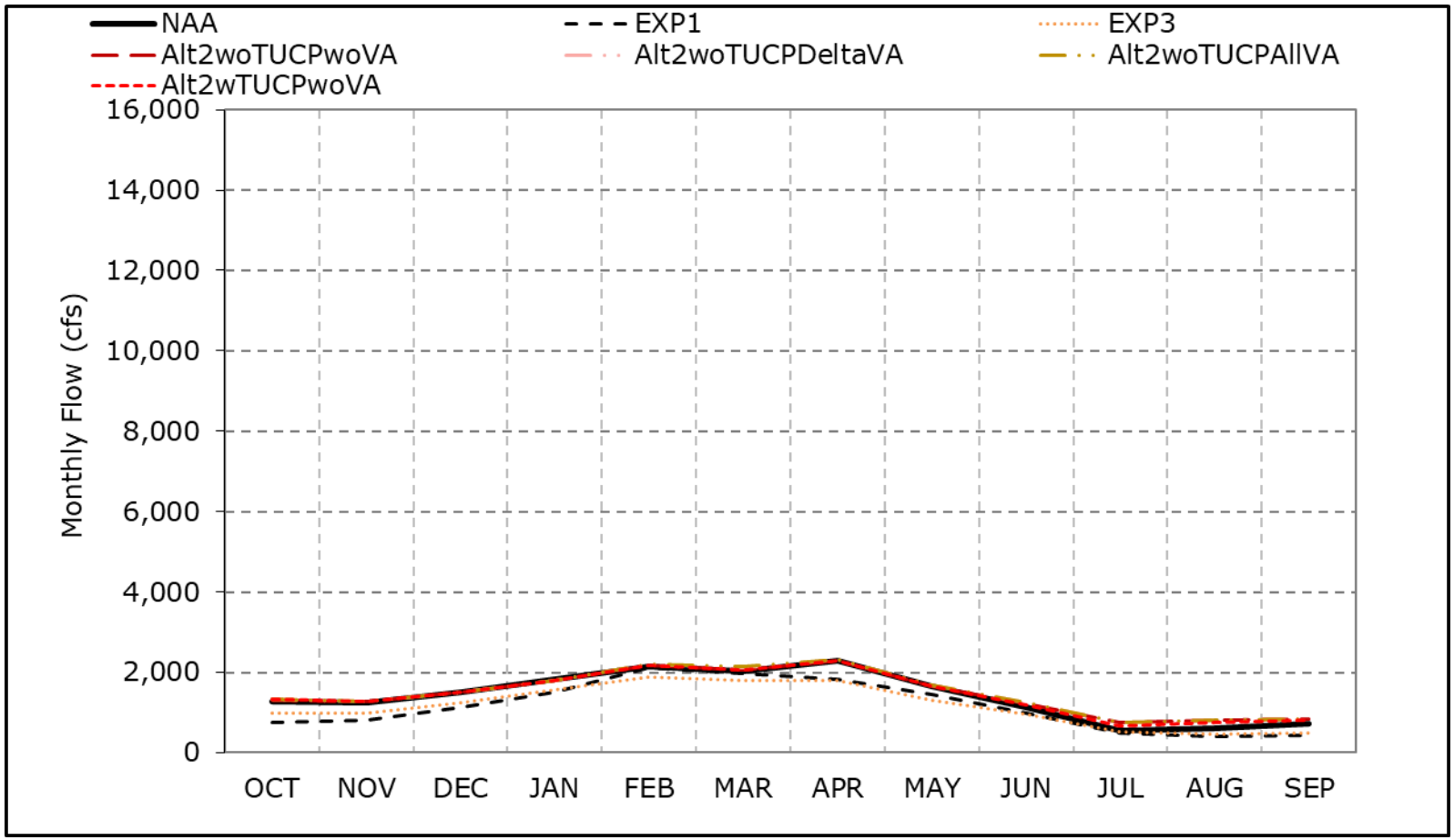
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-5. San Joaquin River at Vernalis, Dry Year Average Flow



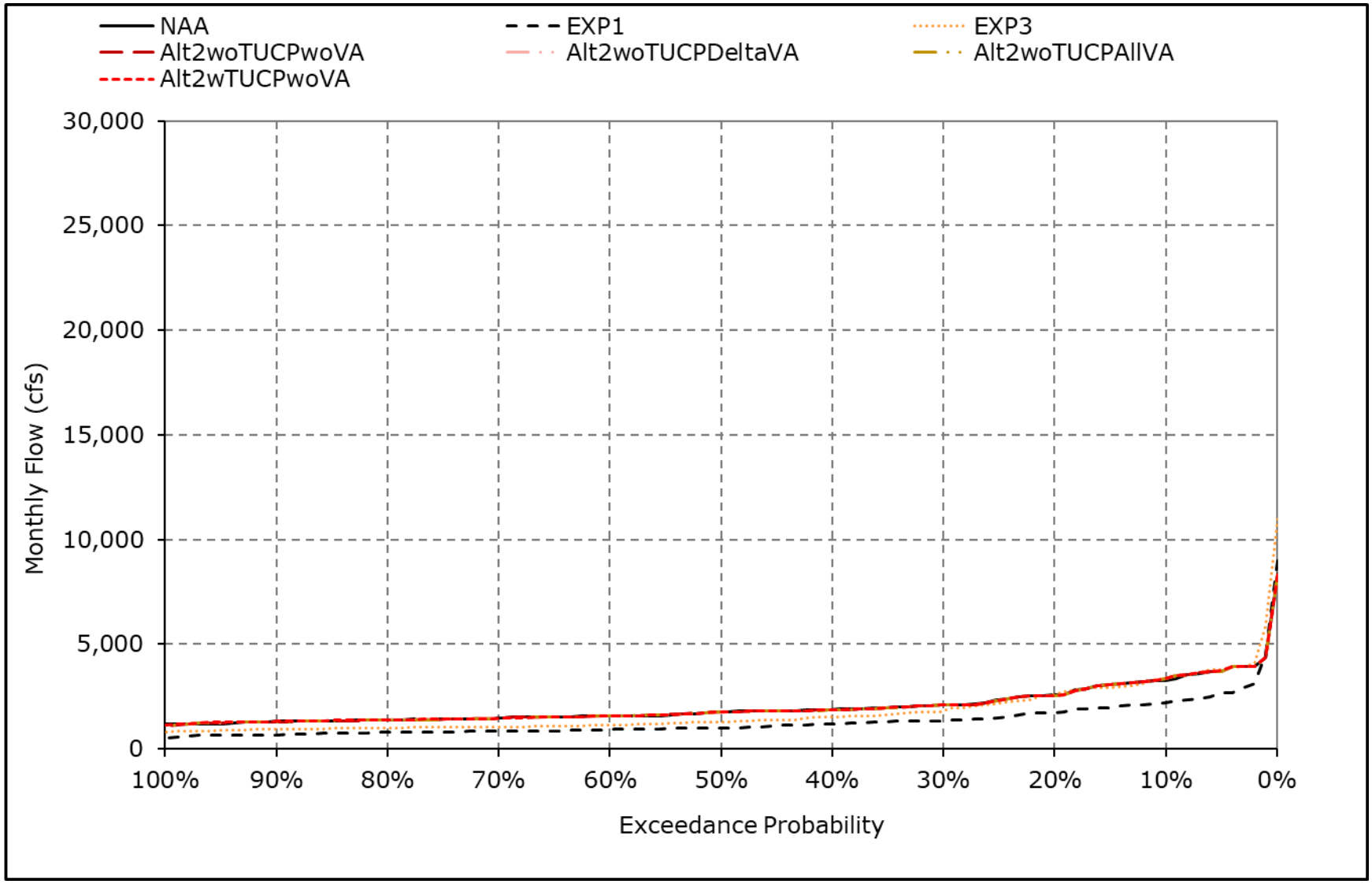
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-6. San Joaquin River at Vernalis, Critical Year Average Flow



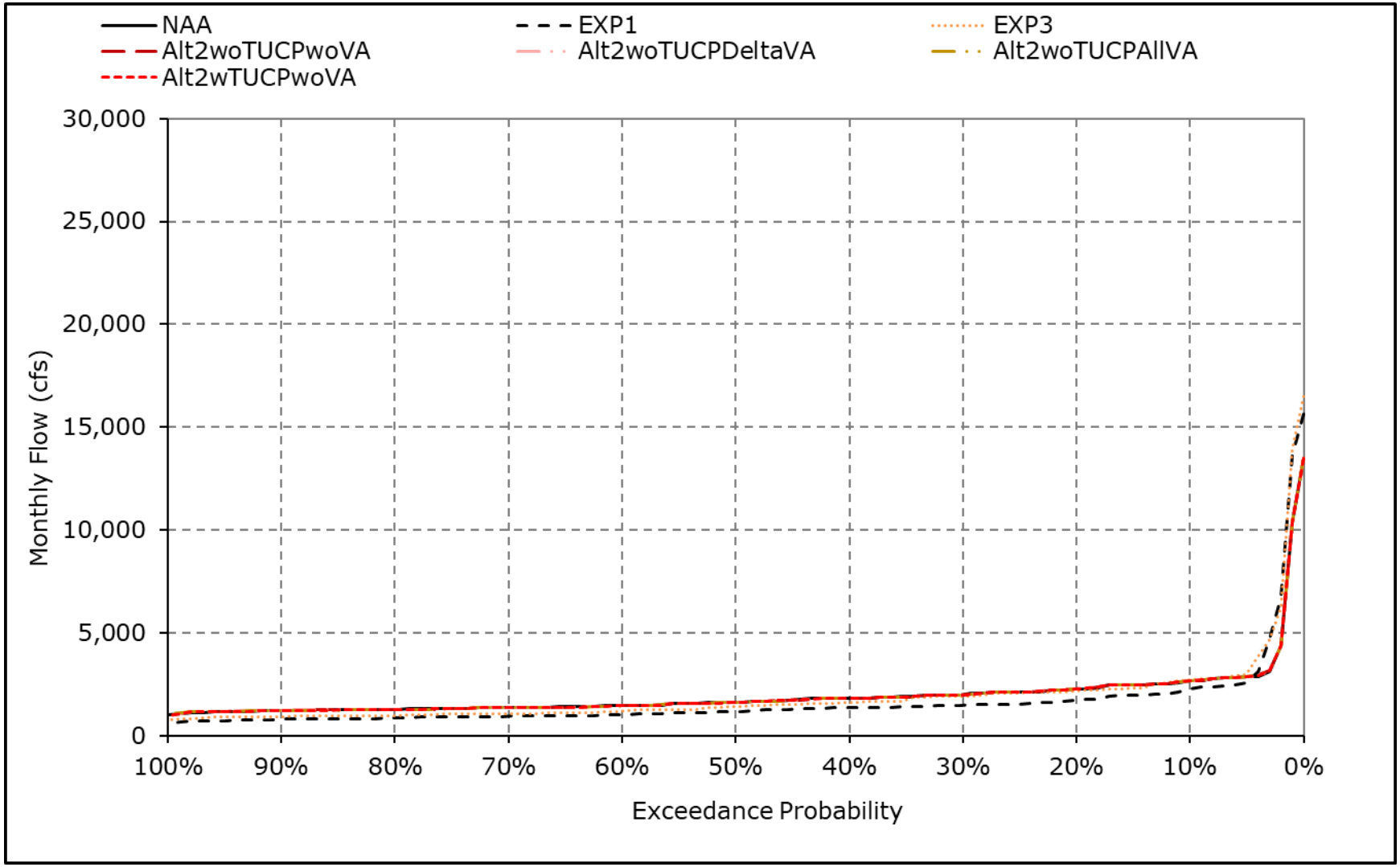
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-7. San Joaquin River at Vernalis, October



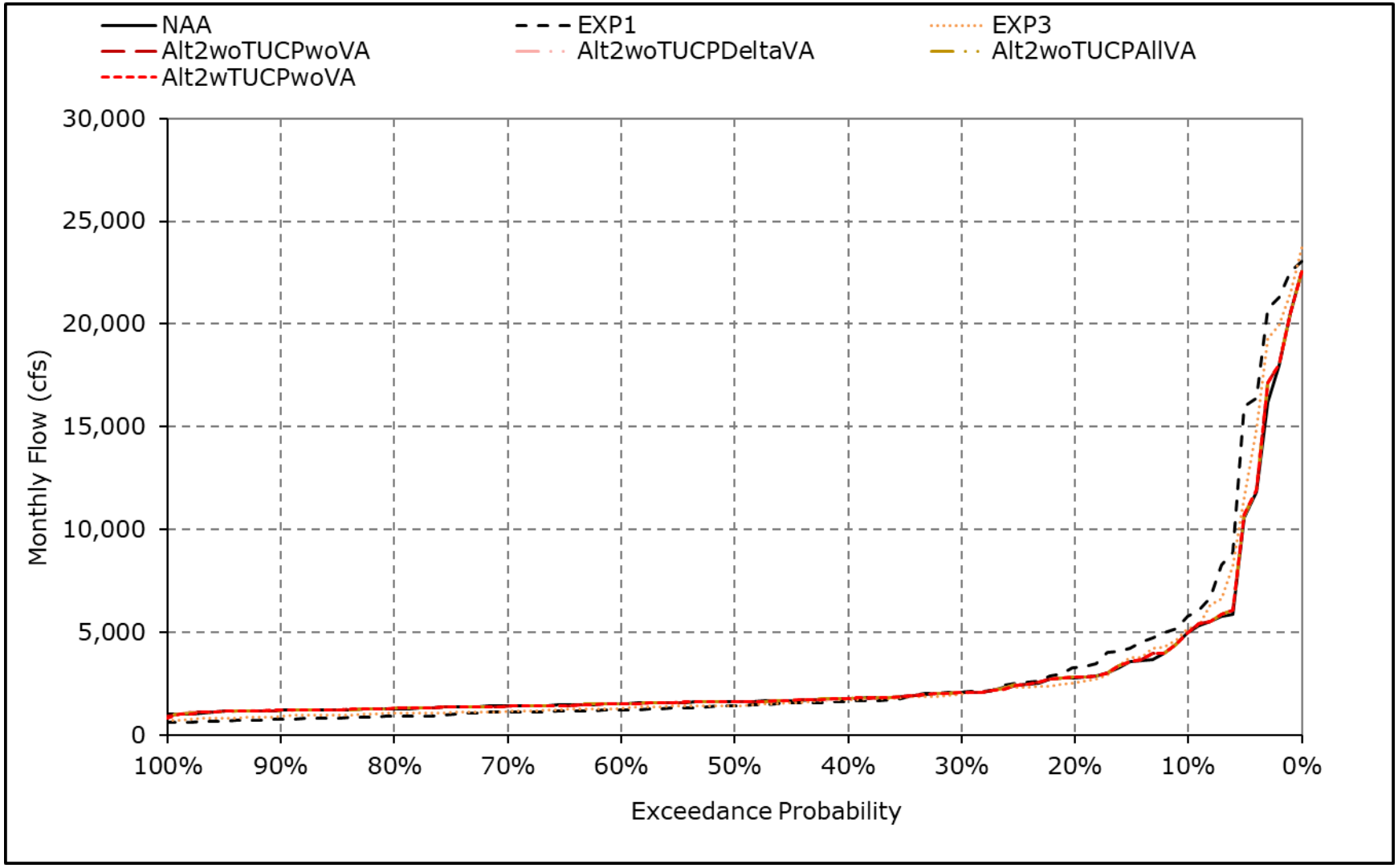
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-8. San Joaquin River at Vernalis, November



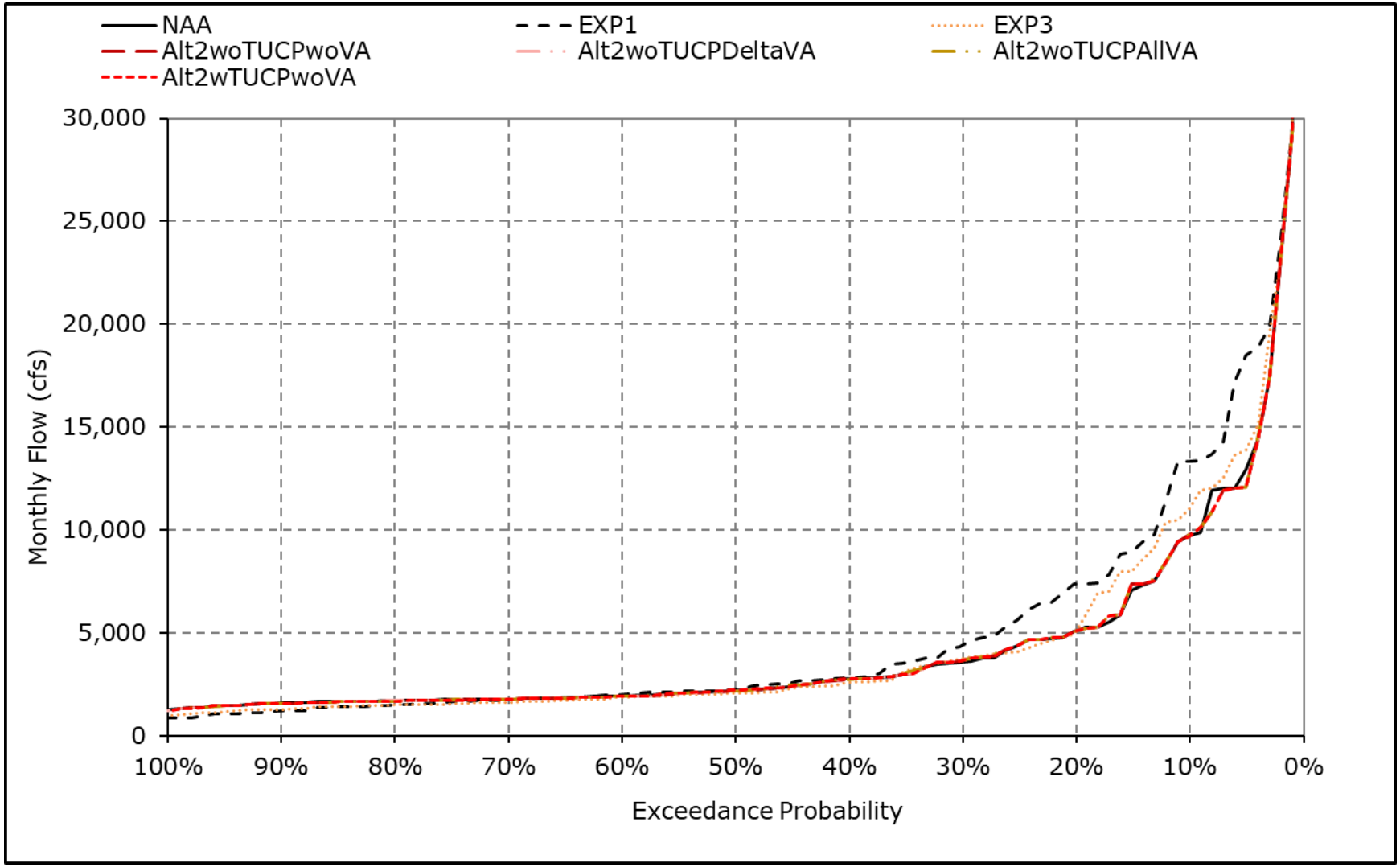
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-9. San Joaquin River at Vernalis, December



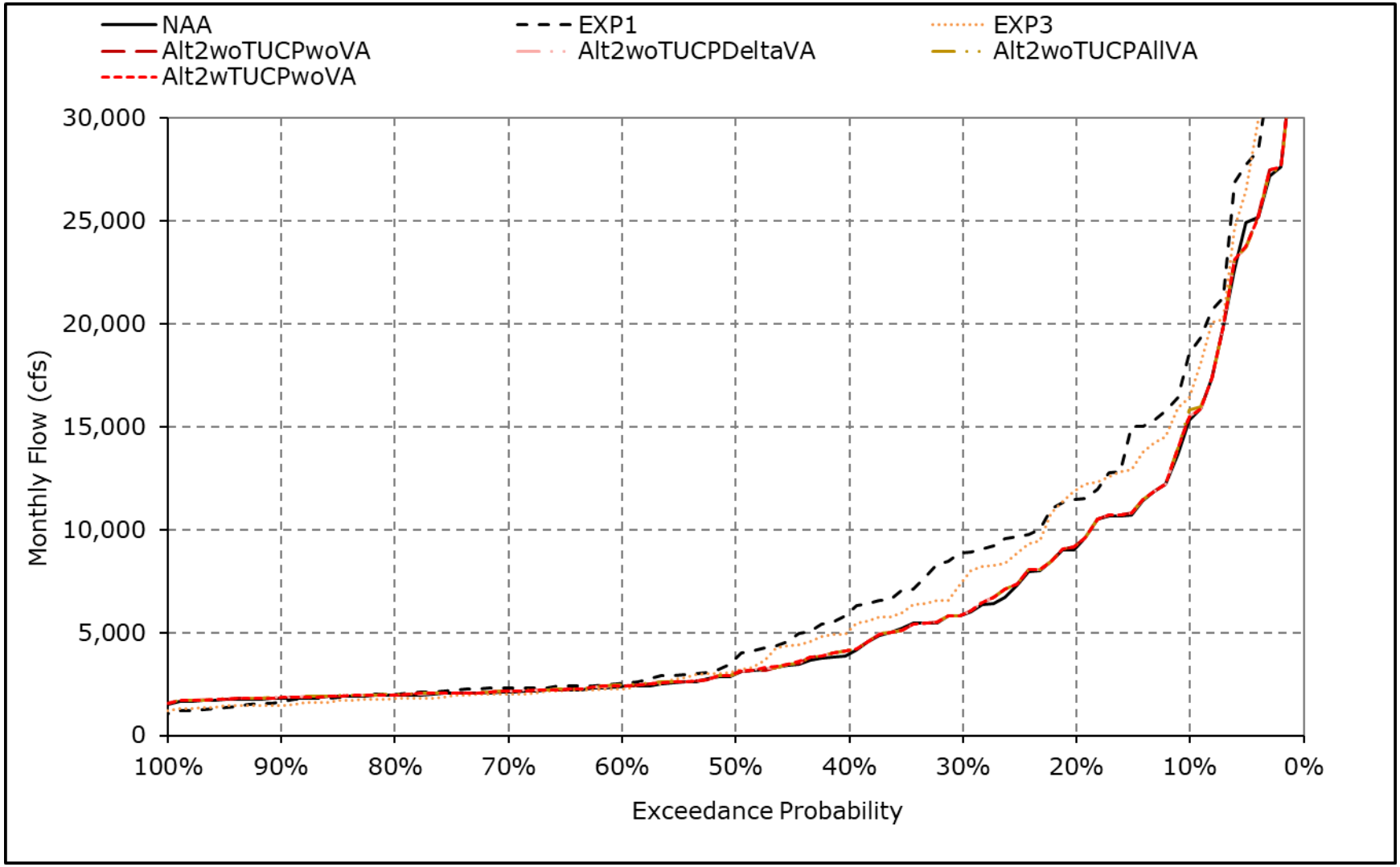
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-10. San Joaquin River at Vernalis, January



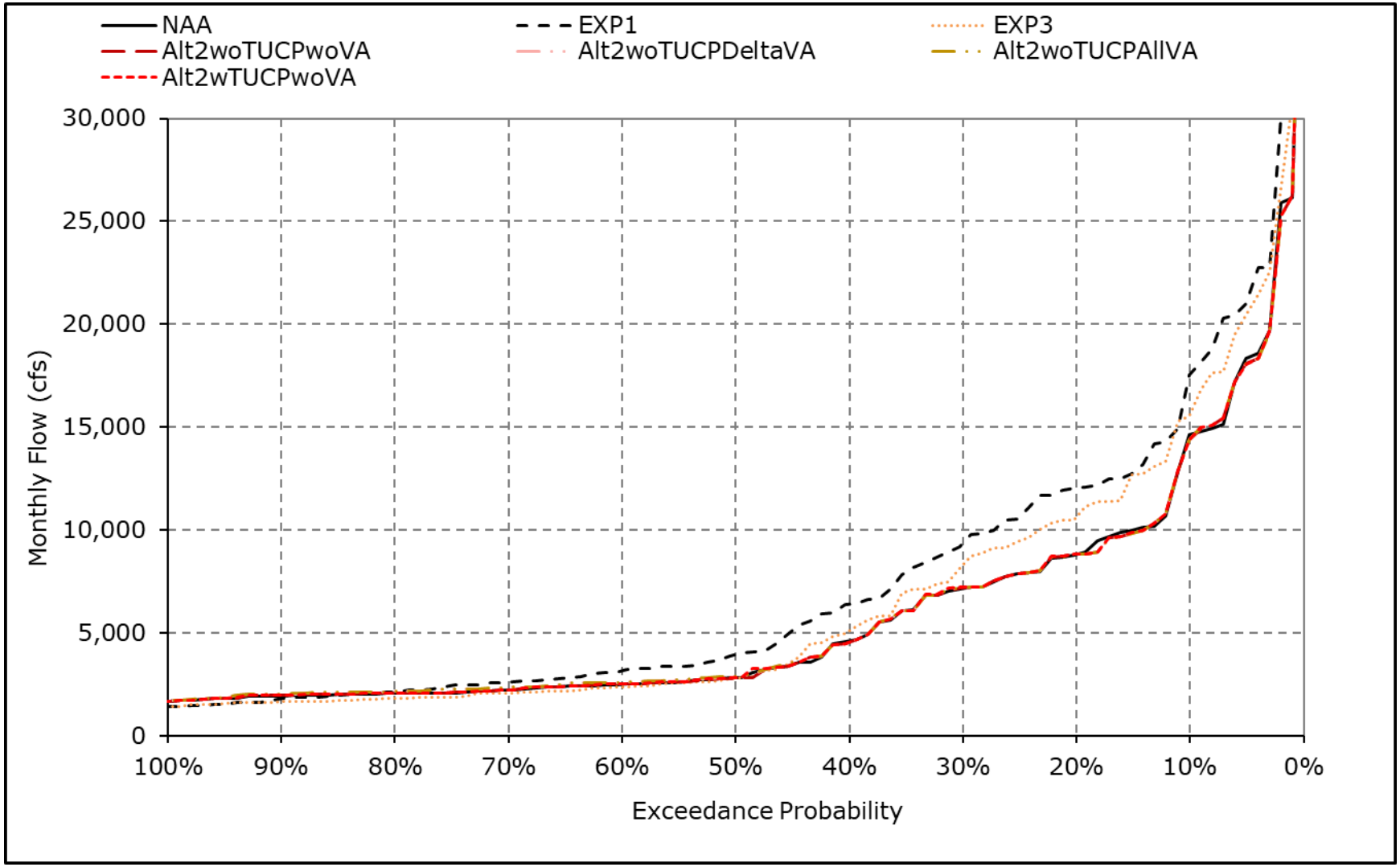
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-11. San Joaquin River at Vernalis, February



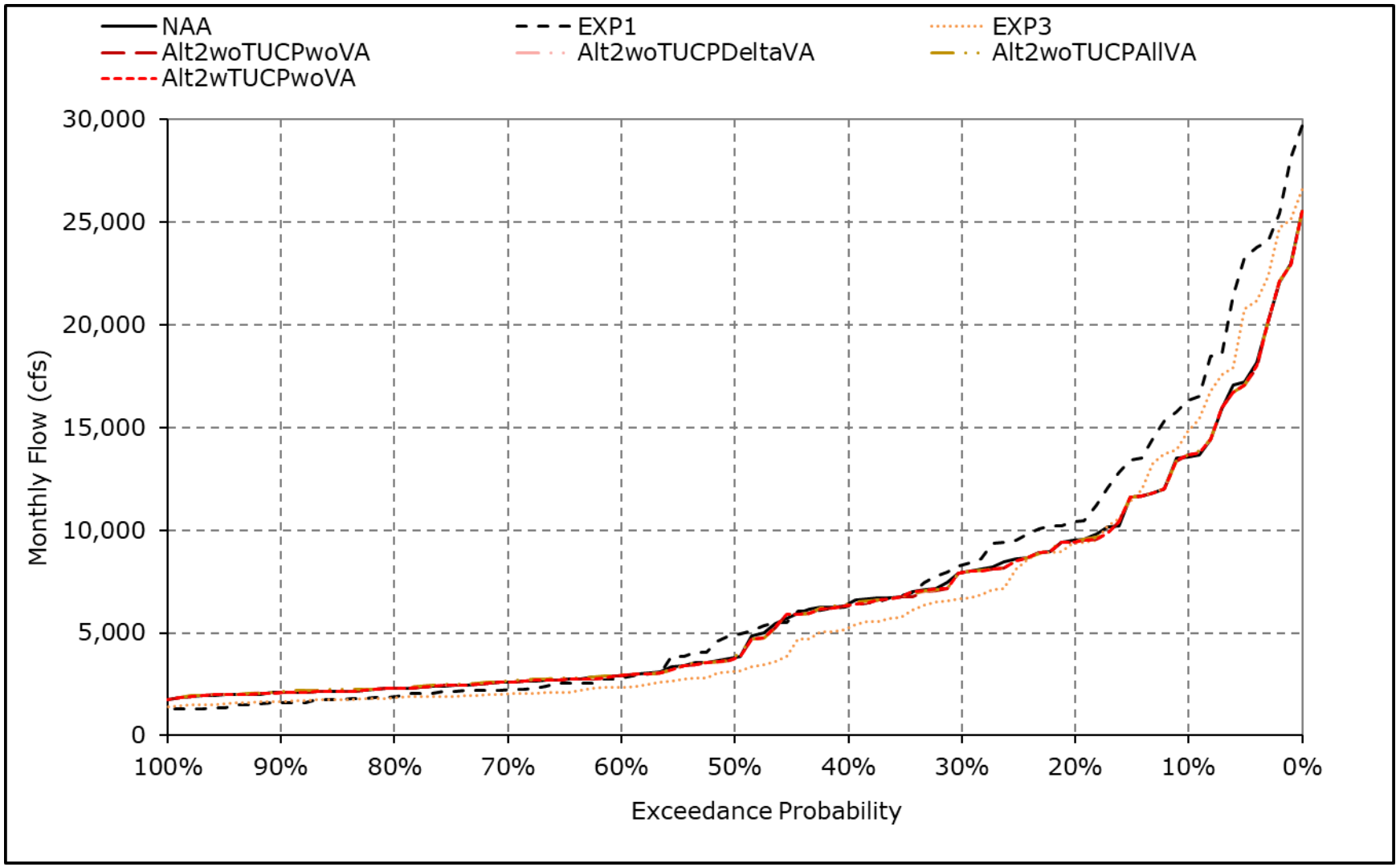
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-12. San Joaquin River at Vernalis, March



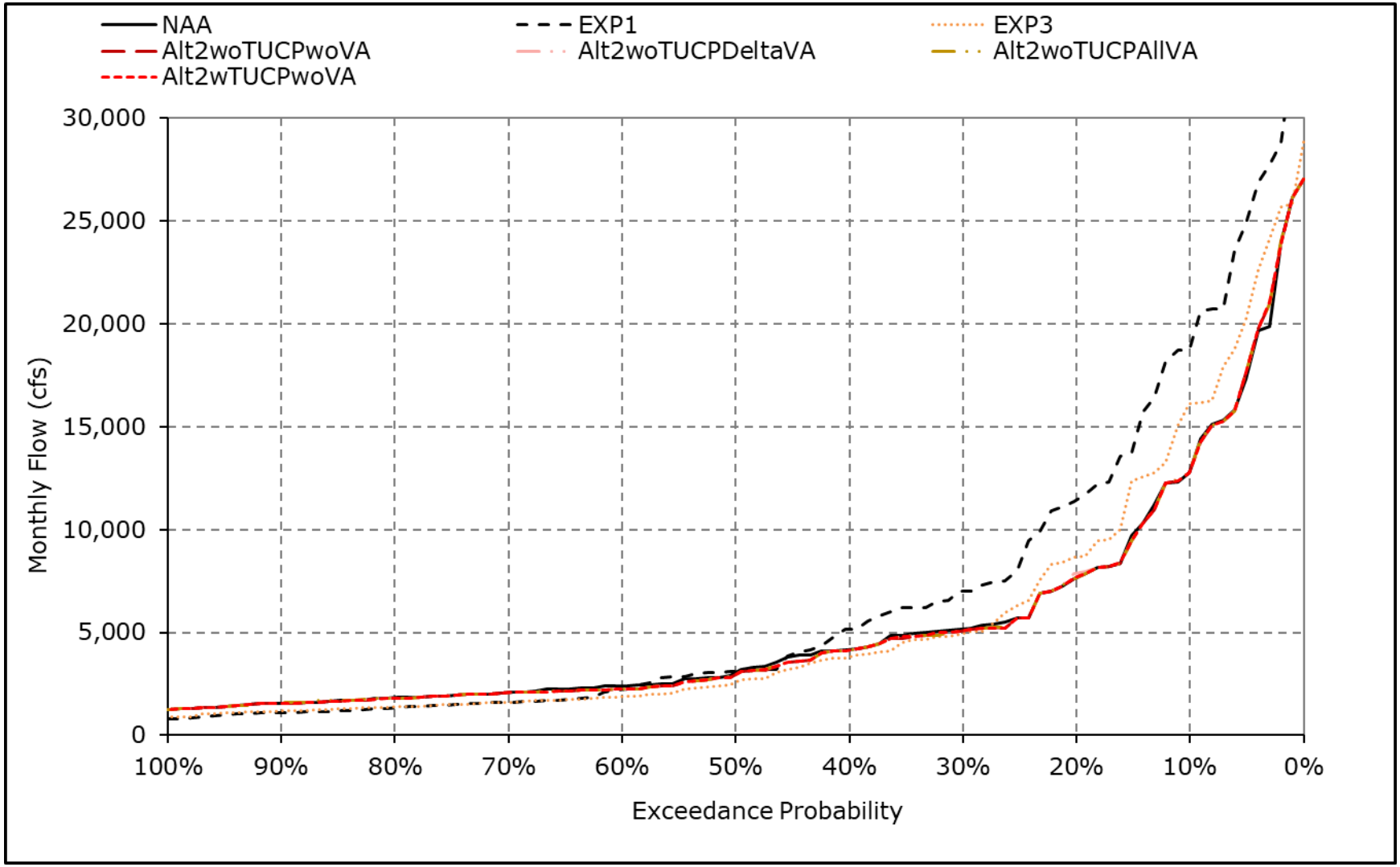
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-13. San Joaquin River at Vernalis, April



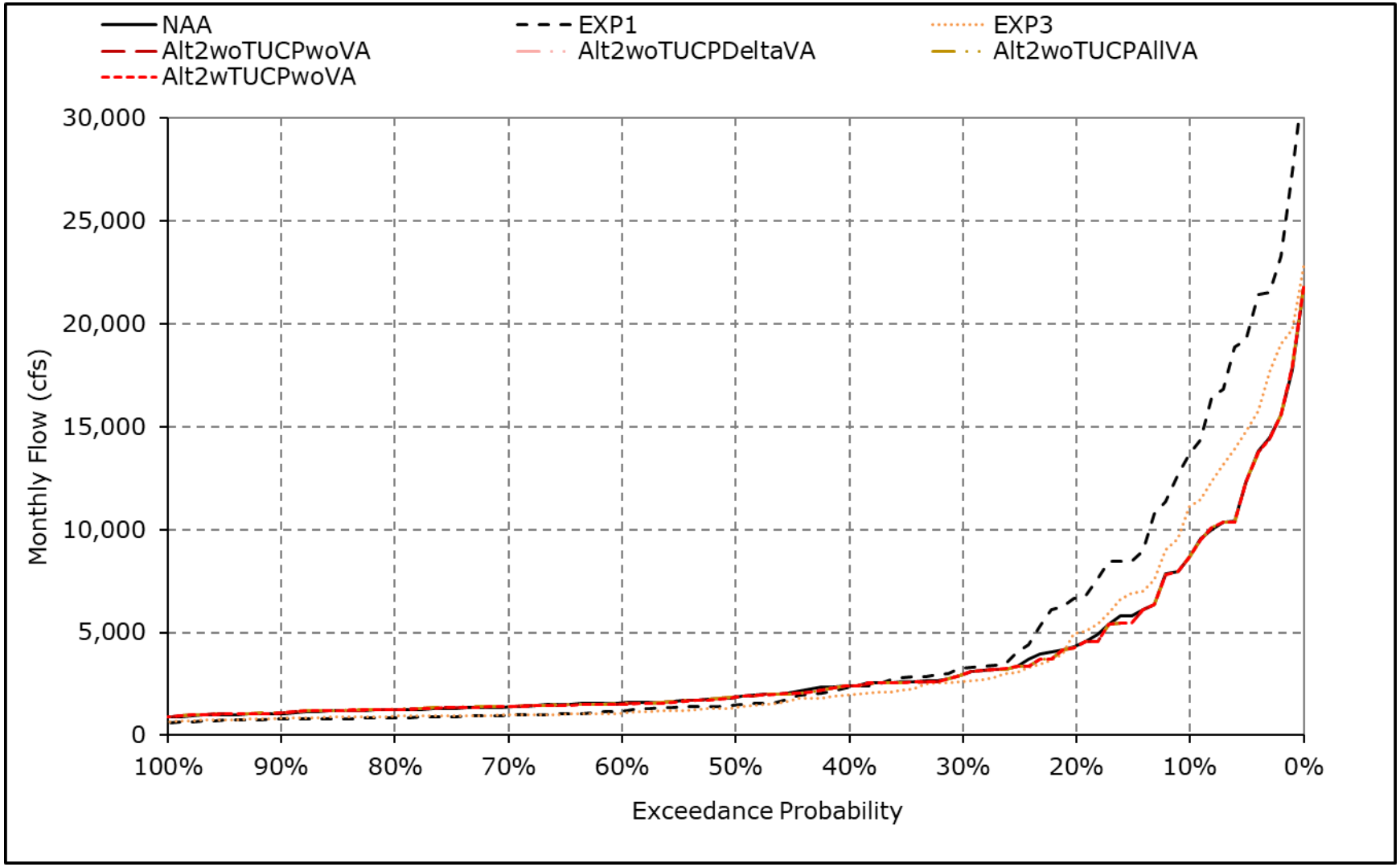
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-14. San Joaquin River at Vernalis, May



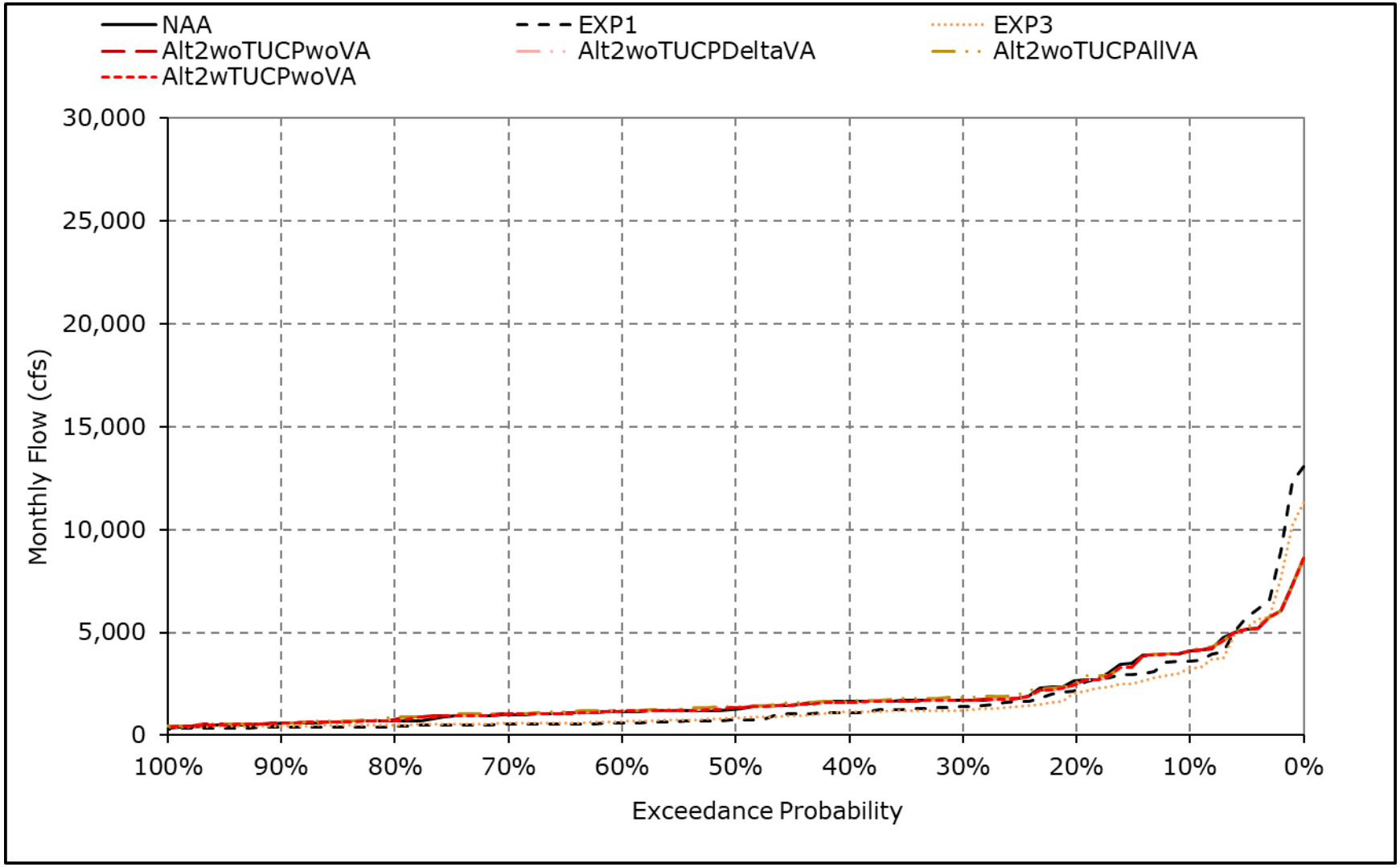
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-15. San Joaquin River at Vernalis, June



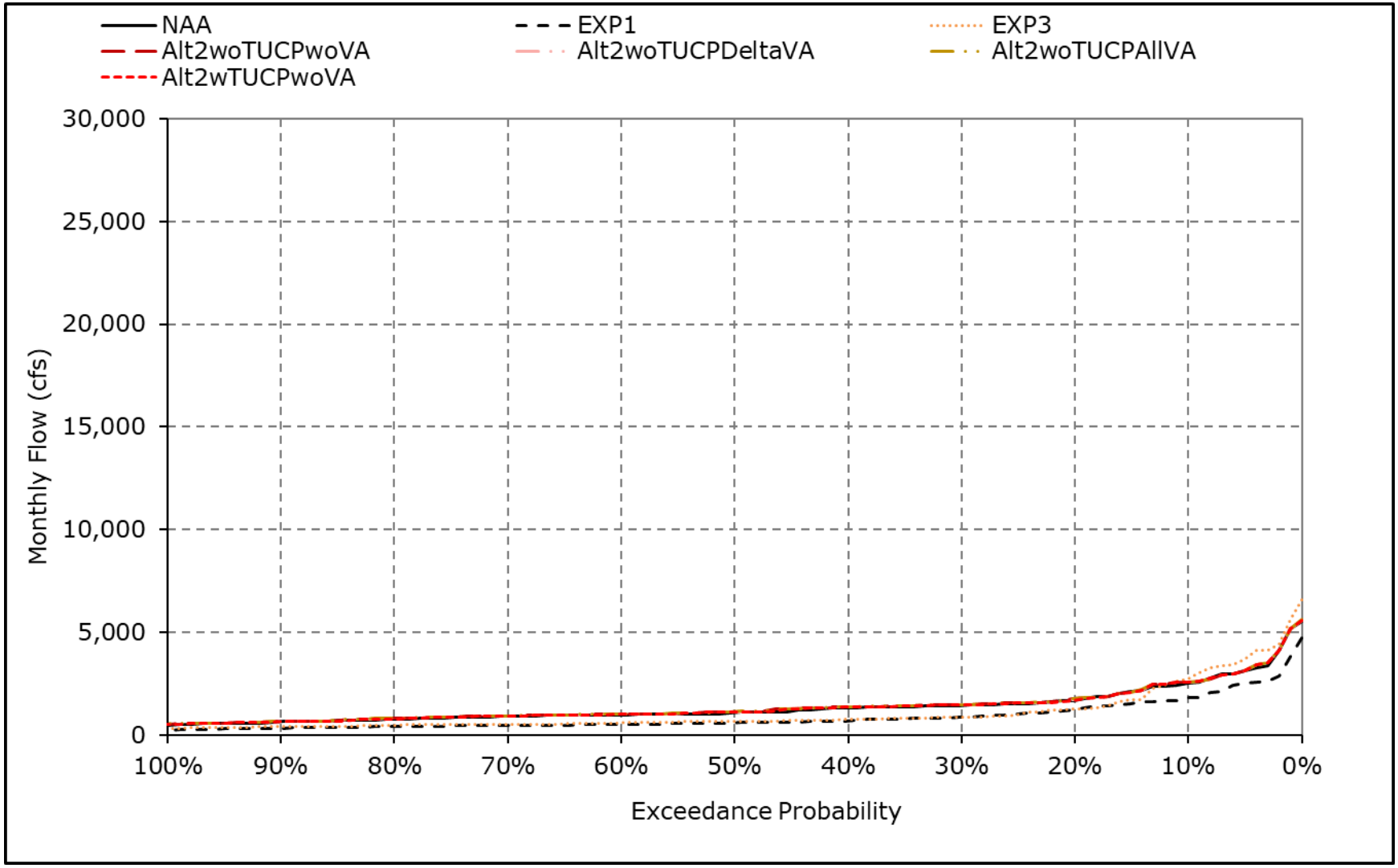
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-16. San Joaquin River at Vernalis, July



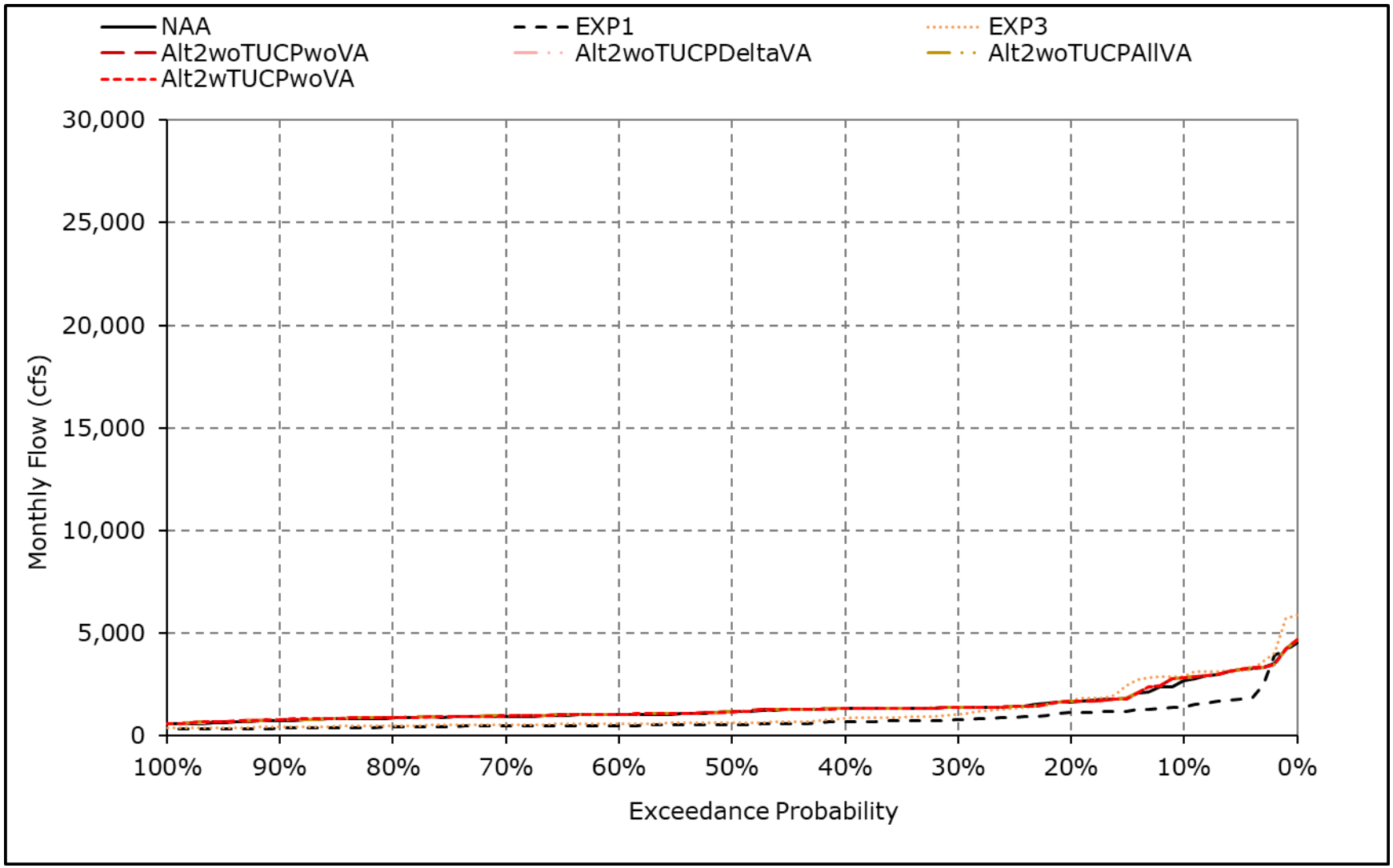
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-17. San Joaquin River at Vernalis, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-21-18. San Joaquin River at Vernalis, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-22-1a. San Joaquin River at Vernalis (60-20-20), NAA, 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

Table F.2.2-22-1b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,669	5,030	9,790	15,579	14,422	13,658	12,904	8,757	4,091	2,580	2,835
20% Exceedance	2,562	2,272	2,808	5,088	9,248	8,806	9,444	7,661	4,325	2,520	1,773	1,677
30% Exceedance	2,097	1,995	2,059	3,648	5,902	7,175	7,937	5,095	2,954	1,705	1,481	1,388
40% Exceedance	1,857	1,826	1,777	2,736	4,139	4,539	6,342	4,127	2,379	1,611	1,368	1,327
50% Exceedance	1,750	1,617	1,624	2,168	3,000	2,788	3,752	2,950	1,852	1,352	1,140	1,181
60% Exceedance	1,572	1,439	1,525	1,900	2,387	2,518	2,920	2,233	1,524	1,184	1,008	1,068
70% Exceedance	1,472	1,361	1,403	1,749	2,169	2,214	2,607	2,066	1,416	1,033	939	995
80% Exceedance	1,398	1,270	1,296	1,688	1,974	2,061	2,302	1,808	1,258	758	822	907
90% Exceedance	1,296	1,222	1,199	1,574	1,834	1,950	2,077	1,550	1,111	613	669	779
Full Simulation Period Average[a]	2,060	1,969	2,882	4,602	6,441	6,055	6,356	5,367	3,471	1,864	1,432	1,429
Wet Water Years (22%)	3,458	3,243	4,138	10,495	14,859	14,281	14,060	13,738	9,228	4,310	2,764	2,641
Above Normal Water Years (12%)	2,210	1,994	4,416	5,797	8,410	7,492	8,015	5,673	3,032	1,693	1,307	1,329
Below Normal Water Years (15%)	1,872	1,806	2,492	4,140	6,686	5,399	6,606	4,453	2,597	1,625	1,356	1,265
Dry Water Years (17%)	1,563	1,564	2,679	2,075	2,370	2,808	3,173	2,430	1,580	1,163	997	1,025
Critical Water Years (34%)	1,409	1,391	1,723	1,835	2,227	2,139	2,267	1,714	1,233	799	867	953

Table F.2.2-22-1c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	-2	6	54	213	-234	96	-22	-3	1	75	138
20% Exceedance	-36	27	11	0	95	13	-67	-5	-7	-152	72	20
30% Exceedance	1	-8	-1	75	27	41	-3	-62	-1	-1	32	1
40% Exceedance	-28	0	-4	-21	164	-67	-90	-44	2	-22	48	1
50% Exceedance	-28	3	-12	-9	11	-32	-36	-91	-7	90	39	-17
60% Exceedance	10	-20	-2	-16	5	20	7	-163	-52	29	16	33
70% Exceedance	3	5	5	-15	62	10	8	-24	38	41	27	42
80% Exceedance	1	3	26	0	19	10	6	-10	18	71	59	34
90% Exceedance	-12	12	-3	-12	44	16	0	-5	48	40	16	15
Full Simulation Period Average[a]	-1	0	19	-16	16	-8	-43	-46	-23	9	36	22
Wet Water Years (22%)	6	0	21	-88	-64	-75	-34	-4	-89	-52	17	33
Above Normal Water Years (12%)	-1	0	7	39	86	26	-39	-30	-13	-8	-4	-1
Below Normal Water Years (15%)	-10	-1	19	15	14	-30	-162	-121	-37	-12	5	2
Dry Water Years (17%)	-19	-23	43	-4	49	32	-50	-125	-56	-20	16	20
Critical Water Years (34%)	7	11	10	-8	27	14	5	-7	40	78	87	34

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-2a. San Joaquin River at Vernalis (60-20-20), NAA, 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

Table F.2.2-22-2b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,382	2,668	5,032	9,808	15,578	14,430	13,662	12,914	8,756	4,090	2,579	2,834
20% Exceedance	2,558	2,267	2,807	5,091	9,252	8,805	9,458	7,857	4,322	2,516	1,756	1,676
30% Exceedance	2,096	1,995	2,059	3,651	5,894	7,175	7,935	5,095	2,954	1,706	1,479	1,388
40% Exceedance	1,857	1,825	1,778	2,737	4,142	4,536	6,420	4,124	2,379	1,609	1,371	1,329
50% Exceedance	1,742	1,616	1,624	2,168	3,001	2,886	3,848	2,960	1,854	1,354	1,137	1,182
60% Exceedance	1,557	1,446	1,530	1,898	2,447	2,591	2,946	2,230	1,525	1,183	1,005	1,066
70% Exceedance	1,472	1,359	1,405	1,750	2,168	2,333	2,682	2,075	1,415	1,034	941	978
80% Exceedance	1,405	1,266	1,305	1,697	1,987	2,136	2,308	1,806	1,278	760	827	909
90% Exceedance	1,312	1,228	1,211	1,576	1,851	2,019	2,162	1,573	1,105	606	669	794
Full Simulation Period Average[a]	2,058	1,968	2,882	4,602	6,449	6,103	6,387	5,378	3,474	1,864	1,431	1,430
Wet Water Years (22%)	3,458	3,243	4,139	10,494	14,853	14,282	14,069	13,744	9,231	4,309	2,762	2,640
Above Normal Water Years (12%)	2,210	1,994	4,416	5,797	8,411	7,492	8,046	5,713	3,032	1,695	1,306	1,329
Below Normal Water Years (15%)	1,874	1,807	2,493	4,142	6,686	5,405	6,635	4,460	2,596	1,624	1,355	1,265
Dry Water Years (17%)	1,554	1,565	2,681	2,076	2,373	2,856	3,204	2,432	1,581	1,163	996	1,025
Critical Water Years (34%)	1,409	1,389	1,720	1,834	2,252	2,252	2,313	1,725	1,240	799	866	957

Table F.2.2-22-2c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	106	-3	8	72	212	-226	100	-12	-5	-1	74	137
20% Exceedance	-40	22	10	3	98	12	-53	190	-10	-156	55	20
30% Exceedance	0	-9	-2	77	20	41	-5	-63	0	1	30	1
40% Exceedance	-29	-2	-4	-20	167	-70	-11	-47	2	-25	51	2
50% Exceedance	-35	1	-13	-9	12	66	60	-80	-6	92	37	-15
60% Exceedance	-5	-13	3	-17	64	93	33	-167	-51	28	12	31
70% Exceedance	2	2	7	-14	61	130	84	-15	38	41	29	25
80% Exceedance	9	0	35	10	32	85	11	-12	37	73	63	36
90% Exceedance	4	18	9	-11	61	84	85	17	41	33	17	30
Full Simulation Period Average[a]	-3	-1	19	-16	24	40	-13	-35	-20	9	35	23
Wet Water Years (22%)	5	0	22	-89	-70	-74	-25	2	-85	-52	16	32
Above Normal Water Years (12%)	-1	0	7	40	86	26	-9	10	-13	-7	-4	-1
Below Normal Water Years (15%)	-8	0	19	17	14	-25	-133	-114	-38	-14	4	1
Dry Water Years (17%)	-28	-23	45	-3	52	79	-19	-123	-55	-20	15	20
Critical Water Years (34%)	8	9	7	-9	52	128	51	5	47	78	86	37

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-3a. San Joaquin River at Vernalis (60-20-20), NAA, 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

Table F.2.2-22-3b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,368	2,669	5,031	9,799	15,861	14,425	13,671	12,915	8,758	4,099	2,580	2,835
20% Exceedance	2,562	2,273	2,808	5,092	9,253	8,806	9,457	7,660	4,324	2,556	1,770	1,677
30% Exceedance	2,097	1,995	2,060	3,650	5,896	7,176	7,938	5,095	2,954	1,859	1,485	1,388
40% Exceedance	1,855	1,826	1,793	2,738	4,142	4,541	6,432	4,125	2,385	1,668	1,378	1,334
50% Exceedance	1,747	1,616	1,623	2,168	3,001	2,887	3,847	2,961	1,859	1,403	1,148	1,200
60% Exceedance	1,582	1,442	1,531	1,899	2,450	2,589	2,948	2,237	1,526	1,215	1,026	1,066
70% Exceedance	1,454	1,360	1,403	1,752	2,169	2,338	2,683	2,077	1,418	1,044	943	1,002
80% Exceedance	1,393	1,267	1,308	1,679	1,987	2,138	2,308	1,801	1,278	869	826	923
90% Exceedance	1,276	1,201	1,187	1,576	1,852	2,031	2,163	1,574	1,080	589	665	781
Full Simulation Period Average[a]	2,058	1,967	2,882	4,611	6,453	6,107	6,389	5,378	3,476	1,920	1,438	1,433
Wet Water Years (22%)	3,458	3,244	4,140	10,530	14,848	14,281	14,073	13,750	9,233	4,347	2,767	2,642
Above Normal Water Years (12%)	2,211	1,994	4,416	5,798	8,447	7,494	8,049	5,686	3,033	1,791	1,311	1,329
Below Normal Water Years (15%)	1,875	1,807	2,492	4,140	6,688	5,415	6,641	4,462	2,597	1,753	1,370	1,273
Dry Water Years (17%)	1,563	1,565	2,686	2,086	2,378	2,863	3,204	2,434	1,581	1,232	1,003	1,029
Critical Water Years (34%)	1,404	1,385	1,716	1,833	2,253	2,255	2,314	1,727	1,242	814	871	959

Table F.2.2-22-3c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	92	-3	7	63	495	-231	109	-11	-3	9	75	138
20% Exceedance	-36	28	11	4	99	13	-54	-6	-8	-117	69	20
30% Exceedance	1	-9	-1	77	22	42	-2	-62	-1	154	36	0
40% Exceedance	-30	0	11	-19	168	-66	0	-46	9	35	58	8
50% Exceedance	-30	2	-13	-9	12	67	59	-80	-1	140	48	2
60% Exceedance	20	-17	3	-17	67	91	34	-159	-50	60	34	31
70% Exceedance	-15	3	5	-12	62	134	84	-13	40	51	31	49
80% Exceedance	-3	1	38	-9	32	87	12	-17	37	182	63	50
90% Exceedance	-31	-8	-15	-10	62	97	86	18	16	15	12	16
Full Simulation Period Average[a]	-3	-2	18	-7	28	44	-10	-35	-18	65	42	26
Wet Water Years (22%)	5	1	22	-53	-75	-75	-21	8	-83	-15	21	34
Above Normal Water Years (12%)	-1	1	8	40	122	28	-6	-16	-11	90	0	-1
Below Normal Water Years (15%)	-8	-1	18	15	16	-15	-126	-112	-37	115	18	9
Dry Water Years (17%)	-20	-22	50	7	57	87	-19	-121	-55	49	21	24
Critical Water Years (34%)	3	5	3	-10	53	131	52	7	49	93	91	39

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-4a. San Joaquin River at Vernalis (60-20-20), NAA, 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

Table F.2.2-22-4b. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,668	5,036	9,734	15,519	14,432	13,659	12,904	8,757	4,091	2,581	2,835
20% Exceedance	2,563	2,272	2,808	5,096	9,256	8,808	9,451	7,676	4,325	2,516	1,678	1,678
30% Exceedance	2,097	1,997	2,060	3,650	5,903	7,223	7,938	5,097	2,956	1,709	1,475	1,391
40% Exceedance	1,861	1,828	1,792	2,747	4,140	4,543	6,343	4,128	2,380	1,612	1,367	1,330
50% Exceedance	1,754	1,614	1,625	2,189	3,020	2,814	3,755	2,959	1,837	1,334	1,140	1,163
60% Exceedance	1,575	1,439	1,522	1,900	2,387	2,518	2,922	2,234	1,515	1,167	1,003	1,066
70% Exceedance	1,452	1,358	1,395	1,750	2,169	2,217	2,607	2,068	1,408	1,011	934	974
80% Exceedance	1,394	1,268	1,308	1,680	1,970	2,062	2,302	1,809	1,259	702	792	903
90% Exceedance	1,314	1,208	1,203	1,574	1,837	1,951	2,078	1,549	1,112	584	650	811
Full Simulation Period Average[a]	2,061	1,967	2,882	4,606	6,444	6,066	6,363	5,372	3,468	1,855	1,422	1,430
Wet Water Years (22%)	3,459	3,245	4,140	10,495	14,853	14,286	14,068	13,744	9,230	4,311	2,764	2,643
Above Normal Water Years (12%)	2,216	1,998	4,418	5,799	8,406	7,493	8,020	5,683	3,045	1,708	1,319	1,338
Below Normal Water Years (15%)	1,873	1,801	2,490	4,140	6,695	5,444	6,634	4,465	2,598	1,624	1,354	1,270
Dry Water Years (17%)	1,567	1,567	2,679	2,099	2,388	2,824	3,177	2,433	1,582	1,165	999	1,029
Critical Water Years (34%)	1,409	1,385	1,721	1,832	2,227	2,139	2,268	1,715	1,215	766	830	948

Table F.2.2-22-4c. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	-3	12	-3	153	-223	98	-22	-3	1	76	138
20% Exceedance	-35	27	11	8	103	14	-60	9	-7	-156	-23	21
30% Exceedance	1	-7	-1	77	28	89	-2	-61	1	4	26	3
40% Exceedance	-25	2	11	-10	165	-64	-88	-43	4	-22	47	4
50% Exceedance	-23	0	-12	12	31	-6	-33	-81	-22	72	40	-34
60% Exceedance	13	-20	-5	-15	4	20	8	-163	-61	11	10	30
70% Exceedance	-18	1	-3	-14	62	13	9	-22	30	19	22	21
80% Exceedance	-3	1	37	-8	15	11	6	-9	18	15	28	30
90% Exceedance	7	-1	1	-12	47	17	1	-7	48	11	-2	46
Full Simulation Period Average[a]	1	-2	19	-12	18	3	-36	-41	-26	-1	25	23
Wet Water Years (22%)	7	2	23	-88	-70	-70	-27	2	-86	-51	18	35
Above Normal Water Years (12%)	5	4	9	42	81	28	-34	-19	0	6	8	8
Below Normal Water Years (15%)	-10	-6	16	16	23	14	-134	-109	-37	-14	3	6
Dry Water Years (17%)	-16	-21	43	21	67	47	-46	-122	-54	-18	18	24
Critical Water Years (34%)	8	5	8	-10	27	14	6	-5	22	44	50	28

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-5a. San Joaquin River at Vernalis (60-20-20), NAA, 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

Table F.2.2-22-5b. San Joaquin River at Vernalis (60-20-20), EXP3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,388	2,695	5,207	11,134	16,569	15,652	14,902	16,138	11,135	3,241	2,771	2,919
20% Exceedance	2,611	2,167	2,547	5,108	11,929	10,597	9,357	8,668	4,976	2,087	1,263	1,716
30% Exceedance	1,811	1,925	2,001	3,727	7,535	8,305	6,654	4,926	2,621	1,219	871	1,064
40% Exceedance	1,533	1,605	1,718	2,576	5,128	5,083	5,269	3,816	1,958	1,144	753	864
50% Exceedance	1,275	1,412	1,437	2,048	3,141	2,795	3,130	2,563	1,345	853	675	667
60% Exceedance	1,146	1,211	1,301	1,870	2,260	2,357	2,356	1,874	1,073	691	602	597
70% Exceedance	1,052	1,065	1,156	1,608	2,009	2,084	2,042	1,616	981	581	534	558
80% Exceedance	1,004	982	1,051	1,482	1,787	1,804	1,832	1,369	923	513	489	512
90% Exceedance	943	925	933	1,278	1,472	1,634	1,656	1,177	836	456	408	441
Full Simulation Period Average[a]	1,815	1,895	2,872	4,723	7,227	6,670	6,108	5,573	3,557	1,525	1,118	1,191
Wet Water Years (22%)	3,514	3,453	4,171	10,926	17,546	16,531	15,144	15,442	10,757	4,044	2,782	2,854
Above Normal Water Years (12%)	2,126	1,959	4,780	6,394	9,760	8,673	7,058	6,094	2,912	1,317	949	1,188
Below Normal Water Years (15%)	1,593	1,762	2,602	4,431	7,440	5,988	5,723	4,297	2,294	1,181	820	892
Dry Water Years (17%)	1,137	1,514	2,654	1,962	2,361	2,673	2,645	2,066	1,104	679	588	606
Critical Water Years (34%)	1,011	1,088	1,489	1,630	1,994	1,882	1,828	1,319	910	543	496	541

Table F.2.2-22-5c. San Joaquin River at Vernalis (60-20-20), EXP3 minus NAA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	112	23	183	1,398	1,203	997	1,341	3,212	2,374	-850	266	222
20% Exceedance	13	-77	-250	20	2,775	1,804	-154	1,001	644	-586	-438	59
30% Exceedance	-284	-78	-60	154	1,661	1,171	-1,286	-231	-333	-487	-578	-323
40% Exceedance	-352	-221	-64	-181	1,154	477	-1,163	-356	-419	-489	-567	-463
50% Exceedance	-502	-202	-199	-129	152	-25	-658	-477	-515	-409	-425	-531
60% Exceedance	-416	-248	-227	-46	-123	-141	-558	-522	-503	-464	-390	-438
70% Exceedance	-418	-291	-242	-156	-98	-120	-556	-474	-397	-412	-378	-395
80% Exceedance	-392	-285	-220	-205	-167	-247	-465	-450	-318	-175	-275	-361
90% Exceedance	-364	-285	-269	-308	-318	-300	-421	-378	-228	-117	-244	-324
Full Simulation Period Average[a]	-245	-74	9	105	801	607	-291	160	63	-331	-279	-215
Wet Water Years (22%)	61	210	54	343	2,623	2,175	1,049	1,700	1,441	-318	36	246
Above Normal Water Years (12%)	-85	-34	372	637	1,435	1,208	-996	391	-132	-384	-361	-142
Below Normal Water Years (15%)	-289	-46	129	306	768	558	-1,045	-276	-341	-456	-531	-372
Dry Water Years (17%)	-445	-73	18	-117	40	-103	-578	-488	-532	-504	-393	-399
Critical Water Years (34%)	-390	-292	-224	-213	-206	-243	-434	-401	-283	-178	-284	-379

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-6a. San Joaquin River at Vernalis (60-20-20), EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (22%)	2,506	2,892	3,874	12,739	17,514	17,509	16,754	18,936	14,031	4,588	1,980	1,747
Above Normal Water Years (12%)	1,546	1,568	5,088	6,893	10,627	9,944	8,571	7,563	3,790	1,498	907	829
Below Normal Water Years (15%)	1,125	1,522	2,799	4,948	9,159	7,209	7,209	5,877	2,934	1,283	816	688
Dry Water Years (17%)	953	1,495	3,279	2,074	2,711	3,565	3,431	2,519	1,209	619	517	521
Critical Water Years (34%)	781	937	1,650	1,590	2,103	2,177	1,935	1,327	882	465	413	466

Table F.2.2-22-6b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,669	5,030	9,790	15,579	14,422	13,658	12,904	8,757	4,091	2,580	2,835
20% Exceedance	2,562	2,272	2,808	5,088	9,248	8,806	9,444	7,661	4,325	2,520	1,773	1,677
30% Exceedance	2,097	1,995	2,059	3,648	5,902	7,175	7,937	5,095	2,954	1,705	1,481	1,388
40% Exceedance	1,857	1,826	1,777	2,736	4,139	4,539	6,342	4,127	2,379	1,611	1,368	1,327
50% Exceedance	1,750	1,617	1,624	2,168	3,000	2,788	3,752	2,950	1,852	1,352	1,140	1,181
60% Exceedance	1,572	1,439	1,525	1,900	2,387	2,518	2,920	2,233	1,524	1,184	1,008	1,068
70% Exceedance	1,472	1,361	1,403	1,749	2,169	2,214	2,607	2,066	1,416	1,033	939	995
80% Exceedance	1,398	1,270	1,296	1,688	1,974	2,061	2,302	1,808	1,258	758	822	907
90% Exceedance	1,296	1,222	1,199	1,574	1,834	1,950	2,077	1,550	1,111	613	669	779
Full Simulation Period Average[a]	2,060	1,969	2,882	4,602	6,441	6,055	6,356	5,367	3,471	1,864	1,432	1,429
Wet Water Years (22%)	3,458	3,243	4,138	10,495	14,859	14,281	14,060	13,738	9,228	4,310	2,764	2,641
Above Normal Water Years (12%)	2,210	1,994	4,416	5,797	8,410	7,492	8,015	5,673	3,032	1,693	1,307	1,329
Below Normal Water Years (15%)	1,872	1,806	2,492	4,140	6,686	5,399	6,606	4,453	2,597	1,625	1,356	1,265
Dry Water Years (17%)	1,563	1,564	2,679	2,075	2,370	2,808	3,173	2,430	1,580	1,163	997	1,025
Critical Water Years (34%)	1,409	1,391	1,723	1,835	2,227	2,139	2,267	1,714	1,233	799	867	953

Table F.2.2-22-6c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,175	401	-772	-3,561	-3,059	-3,169	-2,676	-6,017	-4,961	480	777	1,406
20% Exceedance	813	551	-467	-2,264	-2,221	-3,238	-1,000	-3,774	-2,356	292	512	546
30% Exceedance	742	515	-36	-774	-2,969	-2,178	-373	-1,904	-314	327	626	606
40% Exceedance	655	474	124	-56	-1,875	-1,841	39	-1,018	44	520	672	645
50% Exceedance	758	438	217	-57	-716	-1,150	-1,159	-171	390	624	534	622
60% Exceedance	647	424	318	-89	-151	-631	98	14	365	605	505	549
70% Exceedance	632	423	305	3	-141	-388	364	463	451	502	477	494
80% Exceedance	616	421	396	195	-41	-61	419	461	425	333	406	465
90% Exceedance	623	439	424	384	189	132	471	452	333	223	326	398
Full Simulation Period Average[a]	719	337	-153	-663	-1,237	-1,418	-680	-1,468	-1,016	219	537	595
Wet Water Years (22%)	953	352	264	-2,244	-2,656	-3,228	-2,693	-5,198	-4,803	-278	784	894
Above Normal Water Years (12%)	665	426	-673	-1,096	-2,216	-2,452	-555	-1,891	-758	195	399	500
Below Normal Water Years (15%)	747	284	-307	-809	-2,473	-1,810	-603	-1,424	-337	342	540	577
Dry Water Years (17%)	610	69	-600	1	-341	-757	-258	-89	371	543	480	504
Critical Water Years (34%)	628	454	73	245	124	-39	333	387	350	334	454	487

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-7a. San Joaquin River at Vernalis (60-20-20), EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (22%)	2,506	2,892	3,874	12,739	17,514	17,509	16,754	18,936	14,031	4,588	1,980	1,747
Above Normal Water Years (12%)	1,546	1,568	5,088	6,893	10,627	9,944	8,571	7,563	3,790	1,498	907	829
Below Normal Water Years (15%)	1,125	1,522	2,799	4,948	9,159	7,209	7,209	5,877	2,934	1,283	816	688
Dry Water Years (17%)	953	1,495	3,279	2,074	2,711	3,565	3,431	2,519	1,209	619	517	521
Critical Water Years (34%)	781	937	1,650	1,590	2,103	2,177	1,935	1,327	882	465	413	466

Table F.2.2-22-7b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,382	2,668	5,032	9,808	15,578	14,430	13,662	12,914	8,756	4,090	2,579	2,834
20% Exceedance	2,558	2,267	2,807	5,091	9,252	8,805	9,458	7,857	4,322	2,516	1,756	1,676
30% Exceedance	2,096	1,995	2,059	3,651	5,894	7,175	7,935	5,095	2,954	1,706	1,479	1,388
40% Exceedance	1,857	1,825	1,778	2,737	4,142	4,536	6,420	4,124	2,379	1,609	1,371	1,329
50% Exceedance	1,742	1,616	1,624	2,168	3,001	2,886	3,848	2,960	1,854	1,354	1,137	1,182
60% Exceedance	1,557	1,446	1,530	1,898	2,447	2,591	2,946	2,230	1,525	1,183	1,005	1,066
70% Exceedance	1,472	1,359	1,405	1,750	2,168	2,333	2,682	2,075	1,415	1,034	941	978
80% Exceedance	1,405	1,266	1,305	1,697	1,987	2,136	2,308	1,806	1,278	760	827	909
90% Exceedance	1,312	1,228	1,211	1,576	1,851	2,019	2,162	1,573	1,105	606	669	794
Full Simulation Period Average[a]	2,058	1,968	2,882	4,602	6,449	6,103	6,387	5,378	3,474	1,864	1,431	1,430
Wet Water Years (22%)	3,458	3,243	4,139	10,494	14,853	14,282	14,069	13,744	9,231	4,309	2,762	2,640
Above Normal Water Years (12%)	2,210	1,994	4,416	5,797	8,411	7,492	8,046	5,713	3,032	1,695	1,306	1,329
Below Normal Water Years (15%)	1,874	1,807	2,493	4,142	6,686	5,405	6,635	4,460	2,596	1,624	1,355	1,265
Dry Water Years (17%)	1,554	1,565	2,681	2,076	2,373	2,856	3,204	2,432	1,581	1,163	996	1,025
Critical Water Years (34%)	1,409	1,389	1,720	1,834	2,252	2,252	2,313	1,725	1,240	799	866	957

Table F.2.2-22-7c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,174	401	-770	-3,543	-3,060	-3,160	-2,672	-6,007	-4,963	479	776	1,405
20% Exceedance	810	546	-468	-2,261	-2,217	-3,240	-987	-3,579	-2,359	288	494	545
30% Exceedance	741	515	-37	-771	-2,977	-2,178	-375	-1,904	-313	328	624	606
40% Exceedance	654	472	125	-55	-1,873	-1,843	118	-1,021	45	517	675	646
50% Exceedance	751	436	216	-57	-715	-1,052	-1,063	-161	391	626	531	624
60% Exceedance	632	430	323	-91	-92	-558	124	10	366	605	501	548
70% Exceedance	631	421	306	3	-143	-269	440	472	450	502	479	477
80% Exceedance	624	417	405	204	-28	14	425	459	445	335	410	467
90% Exceedance	639	445	435	385	206	200	556	475	327	216	326	413
Full Simulation Period Average[a]	718	336	-154	-663	-1,229	-1,370	-650	-1,456	-1,013	219	536	595
Wet Water Years (22%)	952	351	265	-2,245	-2,661	-3,227	-2,684	-5,192	-4,800	-279	782	893
Above Normal Water Years (12%)	665	426	-673	-1,096	-2,216	-2,452	-525	-1,850	-758	197	399	500
Below Normal Water Years (15%)	749	285	-307	-807	-2,473	-1,804	-574	-1,417	-339	341	539	577
Dry Water Years (17%)	601	69	-598	2	-339	-710	-227	-87	372	544	479	505
Critical Water Years (34%)	628	452	71	244	149	75	378	398	357	333	452	490

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-8a. San Joaquin River at Vernalis (60-20-20), EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (22%)	2,506	2,892	3,874	12,739	17,514	17,509	16,754	18,936	14,031	4,588	1,980	1,747
Above Normal Water Years (12%)	1,546	1,568	5,088	6,893	10,627	9,944	8,571	7,563	3,790	1,498	907	829
Below Normal Water Years (15%)	1,125	1,522	2,799	4,948	9,159	7,209	7,209	5,877	2,934	1,283	816	688
Dry Water Years (17%)	953	1,495	3,279	2,074	2,711	3,565	3,431	2,519	1,209	619	517	521
Critical Water Years (34%)	781	937	1,650	1,590	2,103	2,177	1,935	1,327	882	465	413	466

Table F.2.2-22-8b. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,368	2,669	5,031	9,799	15,861	14,425	13,671	12,915	8,758	4,099	2,580	2,835
20% Exceedance	2,562	2,273	2,808	5,092	9,253	8,806	9,457	7,660	4,324	2,556	1,770	1,677
30% Exceedance	2,097	1,995	2,060	3,650	5,896	7,176	7,938	5,095	2,954	1,859	1,485	1,388
40% Exceedance	1,855	1,826	1,793	2,738	4,142	4,541	6,432	4,125	2,385	1,668	1,378	1,334
50% Exceedance	1,747	1,616	1,623	2,168	3,001	2,887	3,847	2,961	1,859	1,403	1,148	1,200
60% Exceedance	1,582	1,442	1,531	1,899	2,450	2,589	2,948	2,237	1,526	1,215	1,026	1,066
70% Exceedance	1,454	1,360	1,403	1,752	2,169	2,338	2,683	2,077	1,418	1,044	943	1,002
80% Exceedance	1,393	1,267	1,308	1,679	1,987	2,138	2,308	1,801	1,278	869	826	923
90% Exceedance	1,276	1,201	1,187	1,576	1,852	2,031	2,163	1,574	1,080	589	665	781
Full Simulation Period Average[a]	2,058	1,967	2,882	4,611	6,453	6,107	6,389	5,378	3,476	1,920	1,438	1,433
Wet Water Years (22%)	3,458	3,244	4,140	10,530	14,848	14,281	14,073	13,750	9,233	4,347	2,767	2,642
Above Normal Water Years (12%)	2,211	1,994	4,416	5,798	8,447	7,494	8,049	5,686	3,033	1,791	1,311	1,329
Below Normal Water Years (15%)	1,875	1,807	2,492	4,140	6,688	5,415	6,641	4,462	2,597	1,753	1,370	1,273
Dry Water Years (17%)	1,563	1,565	2,686	2,086	2,378	2,863	3,204	2,434	1,581	1,232	1,003	1,029
Critical Water Years (34%)	1,404	1,385	1,716	1,833	2,253	2,255	2,314	1,727	1,242	814	871	959

Table F.2.2-22-8c. San Joaquin River at Vernalis (60-20-20), Alt2woTUCPAllVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,160	401	-770	-3,552	-2,777	-3,165	-2,663	-6,005	-4,961	489	777	1,406
20% Exceedance	814	551	-467	-2,260	-2,216	-3,238	-987	-3,775	-2,357	328	508	546
30% Exceedance	742	515	-35	-771	-2,975	-2,177	-372	-1,904	-313	482	630	606
40% Exceedance	653	474	140	-53	-1,872	-1,839	129	-1,020	51	576	682	652
50% Exceedance	755	436	215	-57	-716	-1,051	-1,064	-161	396	675	542	641
60% Exceedance	657	426	323	-90	-89	-560	125	18	367	637	523	547
70% Exceedance	614	422	305	6	-142	-264	440	473	453	512	480	501
80% Exceedance	612	418	408	186	-28	16	425	455	445	444	410	480
90% Exceedance	604	418	412	386	207	213	557	476	301	199	322	399
Full Simulation Period Average[a]	718	335	-154	-654	-1,225	-1,366	-647	-1,457	-1,011	275	543	598
Wet Water Years (22%)	952	352	266	-2,209	-2,667	-3,228	-2,681	-5,186	-4,798	-241	787	895
Above Normal Water Years (12%)	665	426	-672	-1,095	-2,180	-2,450	-522	-1,877	-757	294	403	500
Below Normal Water Years (15%)	749	285	-308	-809	-2,471	-1,794	-568	-1,415	-337	470	553	584
Dry Water Years (17%)	610	70	-593	12	-333	-702	-227	-85	372	613	486	508
Critical Water Years (34%)	624	448	66	243	150	78	379	400	360	348	458	493

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-9a. San Joaquin River at Vernalis (60-20-20), EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (22%)	2,506	2,892	3,874	12,739	17,514	17,509	16,754	18,936	14,031	4,588	1,980	1,747
Above Normal Water Years (12%)	1,546	1,568	5,088	6,893	10,627	9,944	8,571	7,563	3,790	1,498	907	829
Below Normal Water Years (15%)	1,125	1,522	2,799	4,948	9,159	7,209	7,209	5,877	2,934	1,283	816	688
Dry Water Years (17%)	953	1,495	3,279	2,074	2,711	3,565	3,431	2,519	1,209	619	517	521
Critical Water Years (34%)	781	937	1,650	1,590	2,103	2,177	1,935	1,327	882	465	413	466

Table F.2.2-22-9b. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,383	2,668	5,036	9,734	15,519	14,432	13,659	12,904	8,757	4,091	2,581	2,835
20% Exceedance	2,563	2,272	2,808	5,096	9,256	8,808	9,451	7,676	4,325	2,516	1,678	1,678
30% Exceedance	2,097	1,997	2,060	3,650	5,903	7,223	7,938	5,097	2,956	1,709	1,475	1,391
40% Exceedance	1,861	1,828	1,792	2,747	4,140	4,543	6,343	4,128	2,380	1,612	1,367	1,330
50% Exceedance	1,754	1,614	1,625	2,189	3,020	2,814	3,755	2,959	1,837	1,334	1,140	1,163
60% Exceedance	1,575	1,439	1,522	1,900	2,387	2,518	2,922	2,234	1,515	1,167	1,003	1,066
70% Exceedance	1,452	1,358	1,395	1,750	2,169	2,217	2,607	2,068	1,408	1,011	934	974
80% Exceedance	1,394	1,268	1,308	1,680	1,970	2,062	2,302	1,809	1,259	702	792	903
90% Exceedance	1,314	1,208	1,203	1,574	1,837	1,951	2,078	1,549	1,112	584	650	811
Full Simulation Period Average[a]	2,061	1,967	2,882	4,606	6,444	6,066	6,363	5,372	3,468	1,855	1,422	1,430
Wet Water Years (22%)	3,459	3,245	4,140	10,495	14,853	14,286	14,068	13,744	9,230	4,311	2,764	2,643
Above Normal Water Years (12%)	2,216	1,998	4,418	5,799	8,406	7,493	8,020	5,683	3,045	1,708	1,319	1,338
Below Normal Water Years (15%)	1,873	1,801	2,490	4,140	6,695	5,444	6,634	4,465	2,598	1,624	1,354	1,270
Dry Water Years (17%)	1,567	1,567	2,679	2,099	2,388	2,824	3,177	2,433	1,582	1,165	999	1,029
Critical Water Years (34%)	1,409	1,385	1,721	1,832	2,227	2,139	2,268	1,715	1,215	766	830	948

Table F.2.2-22-9c. San Joaquin River at Vernalis (60-20-20), Alt2wTUCPwoVA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,175	400	-766	-3,618	-3,119	-3,158	-2,675	-6,017	-4,961	480	778	1,406
20% Exceedance	814	551	-467	-2,256	-2,212	-3,237	-993	-3,759	-2,356	289	417	547
30% Exceedance	742	516	-35	-771	-2,968	-2,130	-372	-1,902	-312	331	620	609
40% Exceedance	658	476	140	-44	-1,875	-1,837	40	-1,017	46	520	671	647
50% Exceedance	762	435	217	-36	-697	-1,123	-1,156	-162	375	606	535	605
60% Exceedance	650	423	315	-89	-152	-631	99	14	356	588	499	547
70% Exceedance	612	420	297	3	-141	-385	364	465	443	480	472	473
80% Exceedance	613	418	407	187	-44	-61	419	463	426	278	375	460
90% Exceedance	642	425	428	384	192	132	472	451	333	195	307	429
Full Simulation Period Average[a]	721	336	-154	-659	-1,234	-1,407	-673	-1,462	-1,019	210	526	596
Wet Water Years (22%)	954	354	266	-2,244	-2,661	-3,223	-2,686	-5,192	-4,800	-277	784	895
Above Normal Water Years (12%)	670	429	-671	-1,094	-2,220	-2,451	-550	-1,880	-745	210	412	508
Below Normal Water Years (15%)	747	279	-310	-808	-2,464	-1,765	-576	-1,412	-337	340	538	582
Dry Water Years (17%)	614	72	-600	25	-323	-742	-254	-86	373	546	482	509
Critical Water Years (34%)	629	448	71	243	124	-38	333	388	333	300	417	482

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types 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.

Table F.2.2-22-10a. San Joaquin River at Vernalis (60-20-20), EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,208	2,268	5,802	13,351	18,638	17,590	16,334	18,921	13,719	3,611	1,803	1,429
20% Exceedance	1,748	1,721	3,275	7,352	11,469	12,045	10,444	11,435	6,681	2,228	1,261	1,131
30% Exceedance	1,355	1,480	2,095	4,422	8,871	9,353	8,310	6,999	3,268	1,378	855	782
40% Exceedance	1,203	1,352	1,653	2,791	6,014	6,380	6,303	5,145	2,334	1,092	695	683
50% Exceedance	992	1,179	1,408	2,226	3,716	3,937	4,911	3,122	1,463	728	605	559
60% Exceedance	925	1,016	1,207	1,989	2,539	3,148	2,823	2,219	1,159	578	504	519
70% Exceedance	840	938	1,098	1,746	2,310	2,602	2,243	1,604	965	532	463	501
80% Exceedance	782	850	900	1,493	2,015	2,122	1,883	1,347	833	424	417	442
90% Exceedance	672	783	776	1,190	1,645	1,819	1,606	1,098	779	390	343	382
Full Simulation Period Average[a]	1,341	1,632	3,036	5,265	7,678	7,473	7,037	6,834	4,487	1,645	895	834
Wet Water Years (22%)	2,506	2,892	3,874	12,739	17,514	17,509	16,754	18,936	14,031	4,588	1,980	1,747
Above Normal Water Years (12%)	1,546	1,568	5,088	6,893	10,627	9,944	8,571	7,563	3,790	1,498	907	829
Below Normal Water Years (15%)	1,125	1,522	2,799	4,948	9,159	7,209	7,209	5,877	2,934	1,283	816	688
Dry Water Years (17%)	953	1,495	3,279	2,074	2,711	3,565	3,431	2,519	1,209	619	517	521
Critical Water Years (34%)	781	937	1,650	1,590	2,103	2,177	1,935	1,327	882	465	413	466

Table F.2.2-22-10b. San Joaquin River at Vernalis (60-20-20), NAA, 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

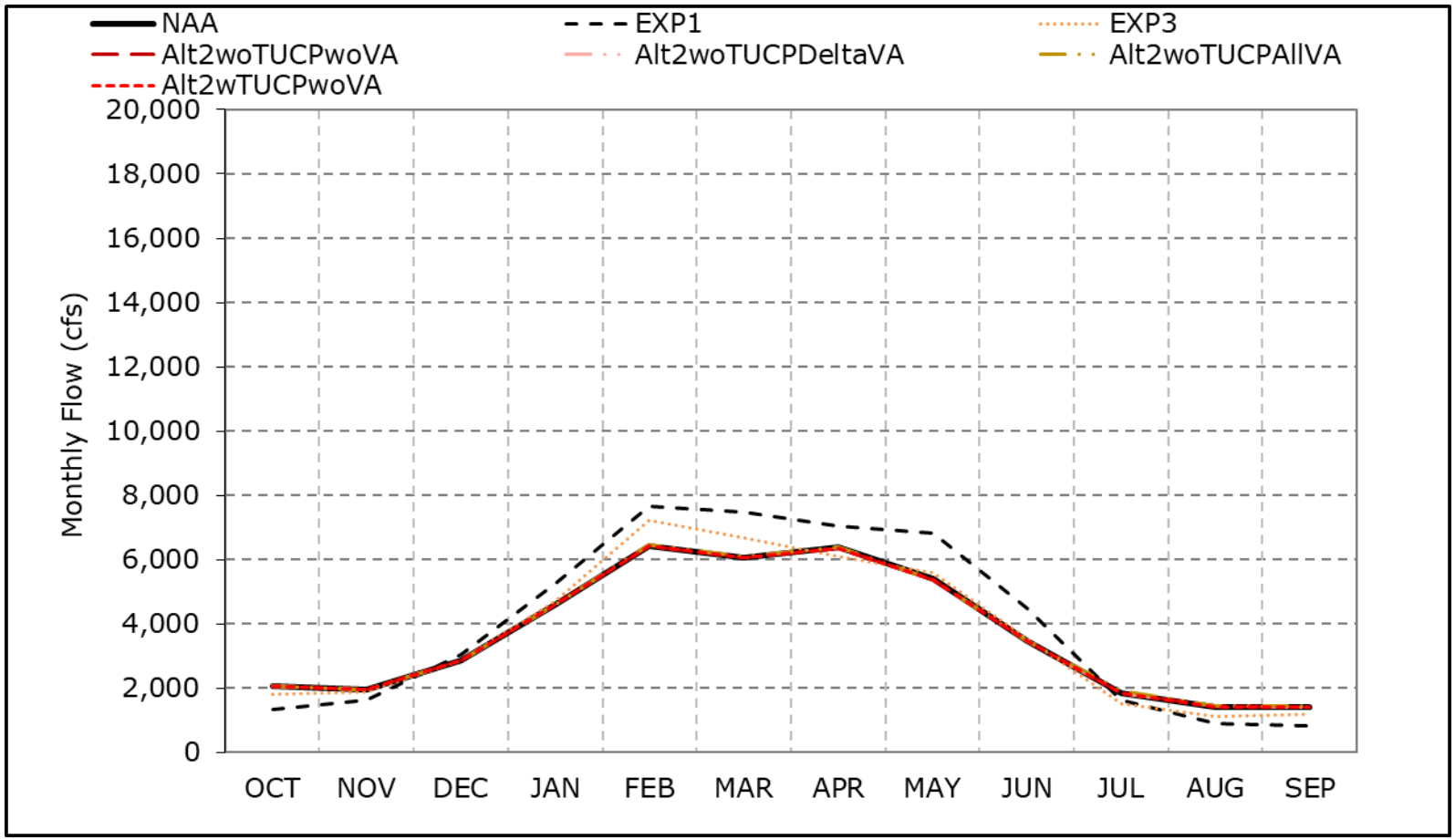
Table F.2.2-22-10c. San Joaquin River at Vernalis (60-20-20), NAA minus EXP1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,068	404	-778	-3,615	-3,272	-2,935	-2,773	-5,995	-4,958	480	703	1,268
20% Exceedance	850	524	-478	-2,264	-2,315	-3,251	-933	-3,768	-2,349	445	440	526
30% Exceedance	741	523	-35	-849	-2,997	-2,219	-370	-1,842	-313	328	594	605
40% Exceedance	683	474	129	-35	-2,040	-1,773	129	-974	42	542	625	644
50% Exceedance	786	435	229	-48	-727	-1,118	-1,123	-81	397	534	495	639
60% Exceedance	637	443	320	-73	-156	-651	91	177	417	577	489	516
70% Exceedance	629	419	300	17	-203	-399	356	487	413	461	449	452
80% Exceedance	615	417	370	195	-60	-72	414	472	407	263	347	430
90% Exceedance	635	427	426	396	145	116	471	458	285	184	309	383
Full Simulation Period Average[a]	720	337	-172	-647	-1,253	-1,410	-637	-1,422	-994	211	501	572
Wet Water Years (22%)	947	351	243	-2,156	-2,591	-3,153	-2,659	-5,194	-4,715	-226	766	861
Above Normal Water Years (12%)	666	425	-680	-1,135	-2,302	-2,478	-516	-1,861	-746	204	403	501
Below Normal Water Years (15%)	757	285	-326	-824	-2,487	-1,780	-441	-1,303	-300	354	535	575
Dry Water Years (17%)	630	92	-643	4	-390	-789	-208	36	427	564	465	484
Critical Water Years (34%)	621	443	63	253	97	-53	327	393	310	256	367	454

[a] Based on the 100-year simulation period.

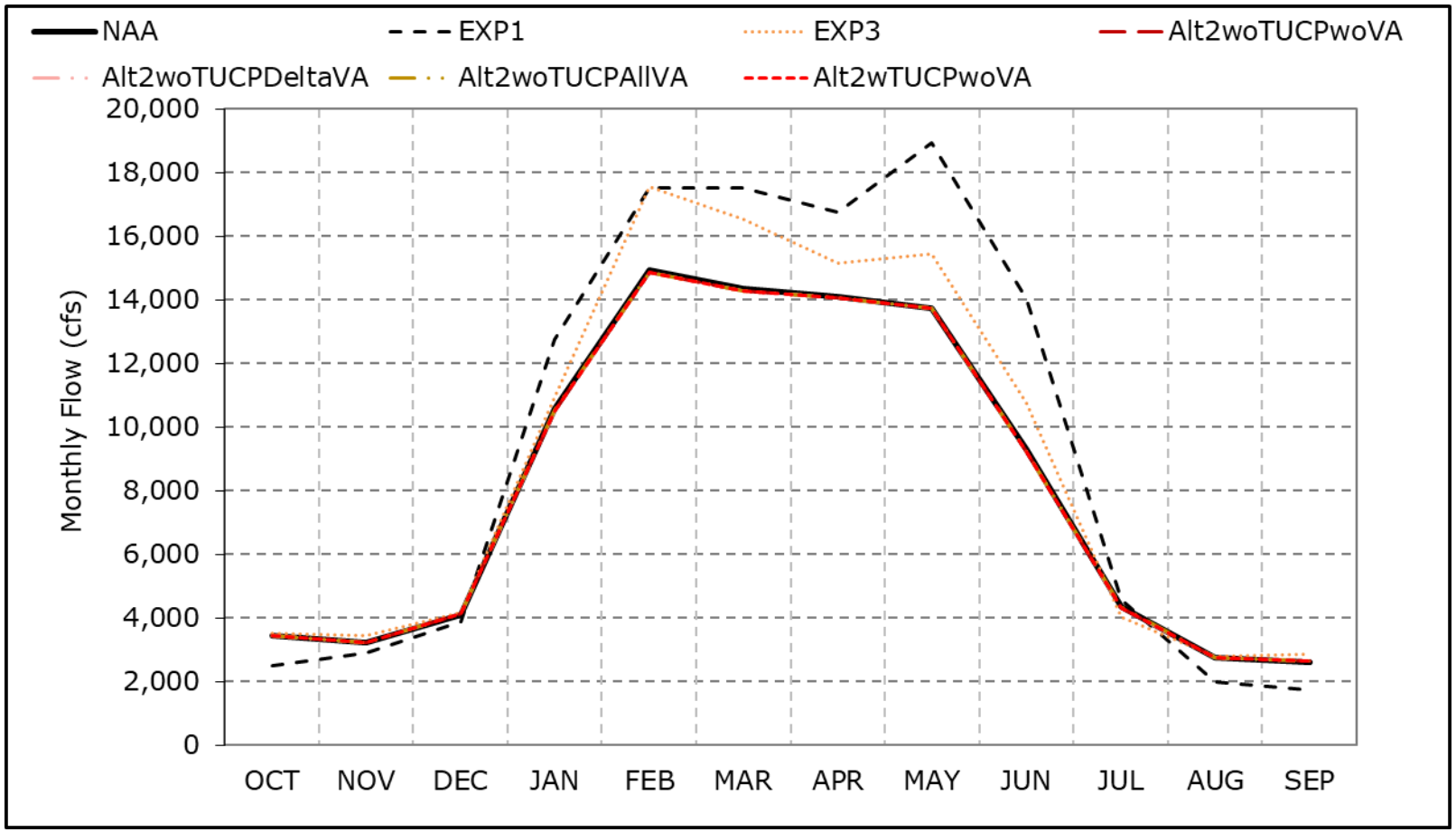
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-22-1. San Joaquin River at Vernalis (60-20-20), Long-Term Average Flow



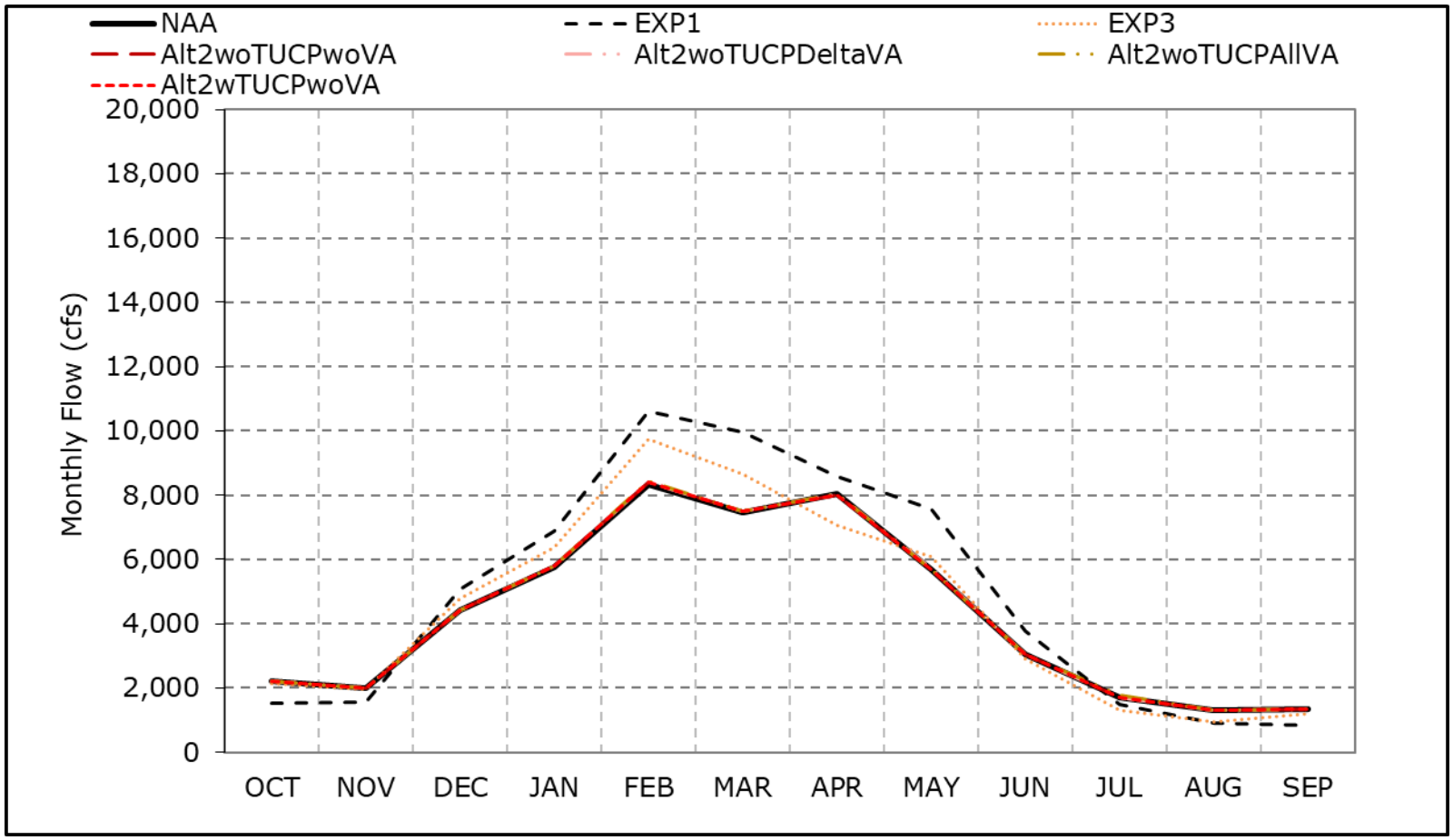
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-2. San Joaquin River at Vernalis (60-20-20), Wet Year Average Flow



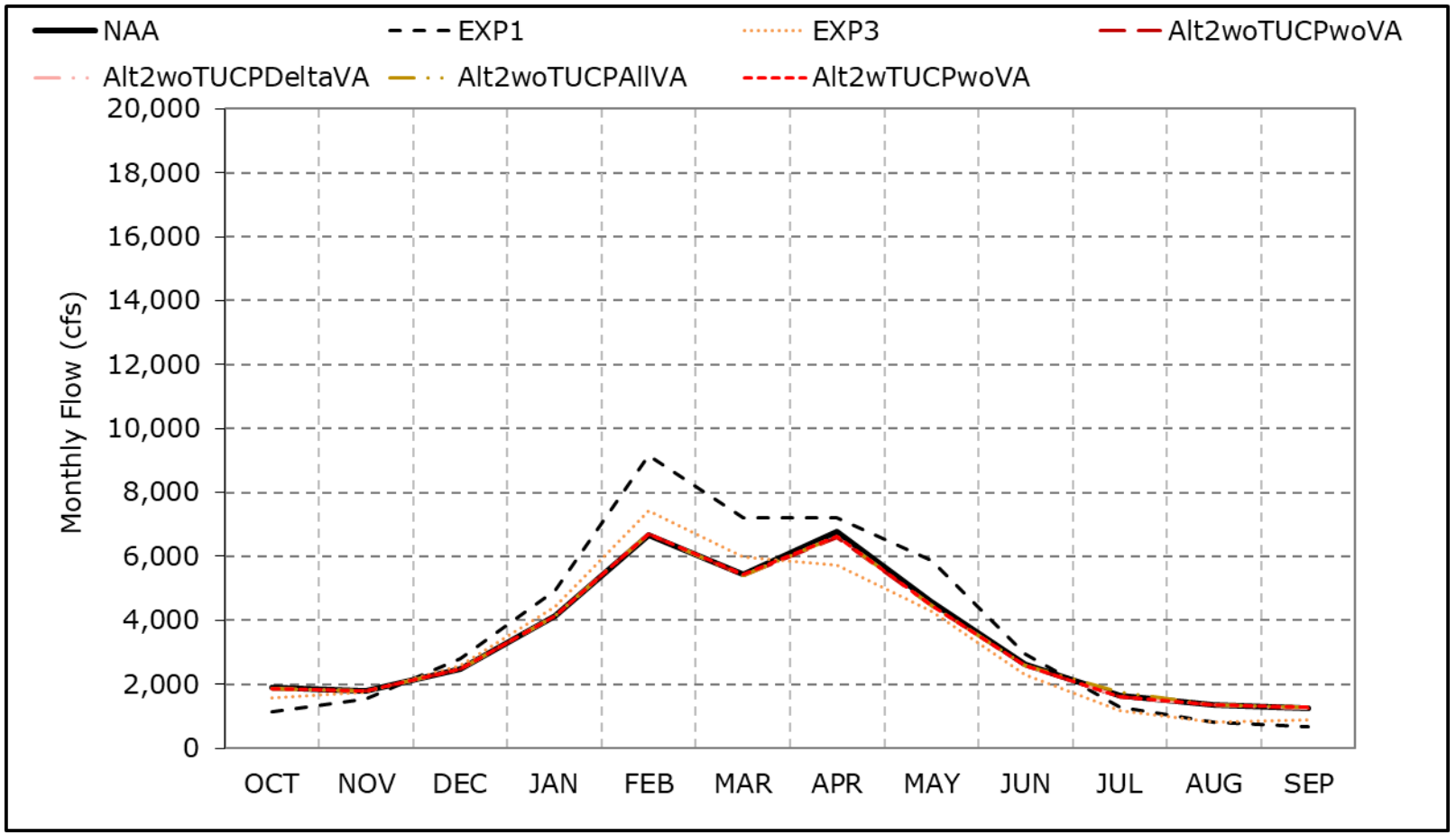
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-3. San Joaquin River at Vernalis (60-20-20), Above Normal Year Average Flow



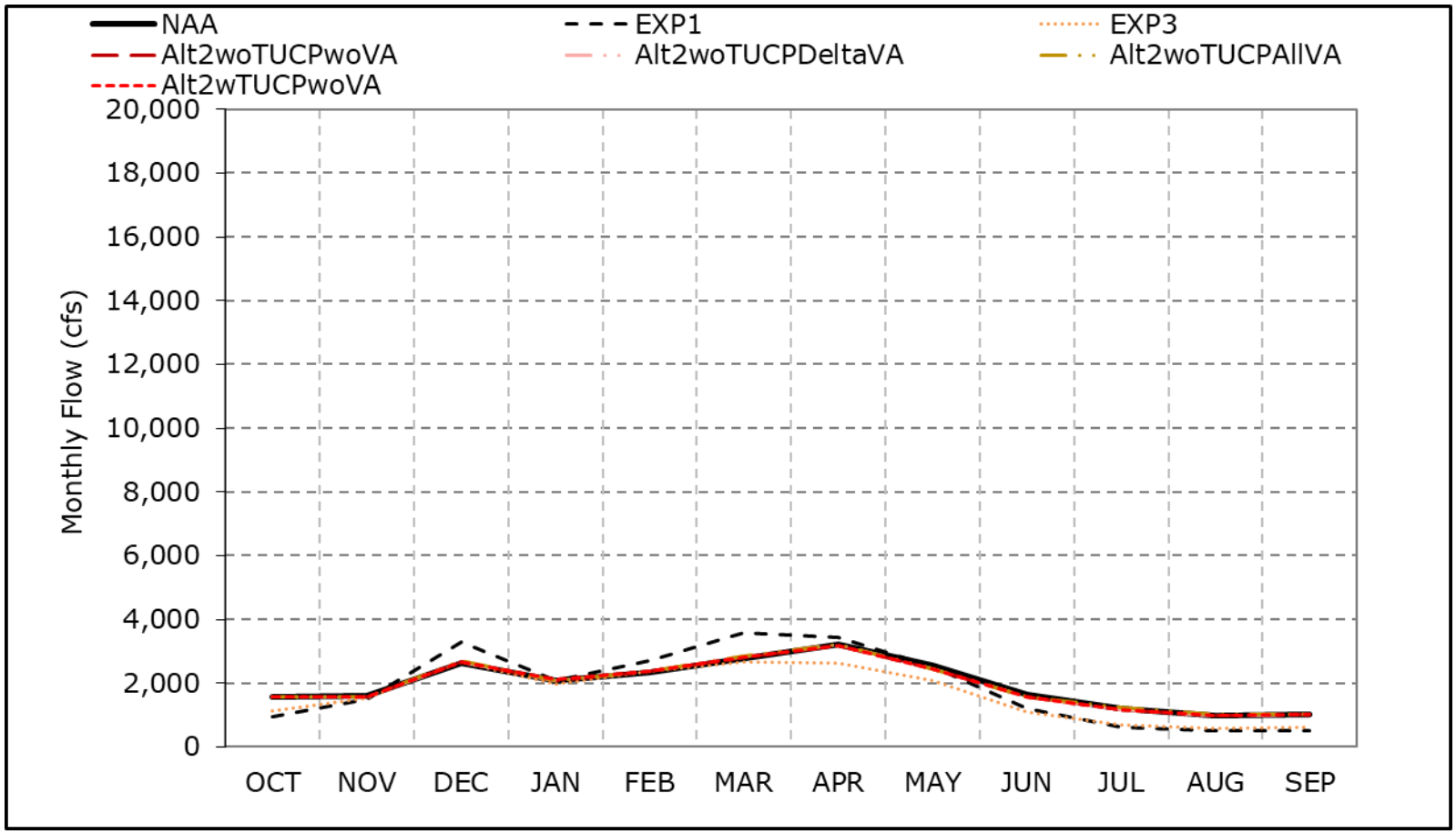
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-4. San Joaquin River at Vernalis (60-20-20), Below Normal Year Average Flow



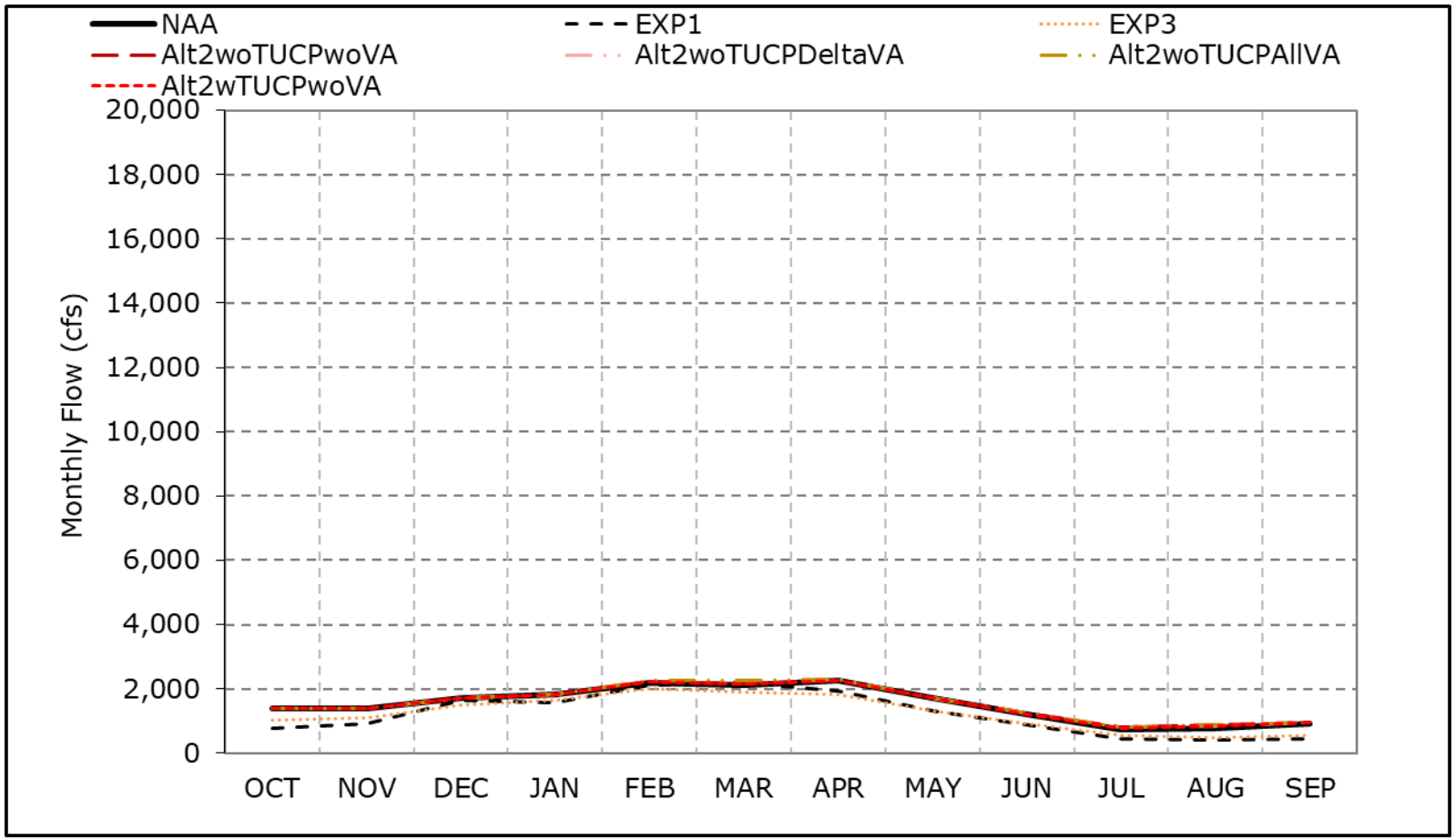
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-5. San Joaquin River at Vernalis (60-20-20), Dry Year Average Flow



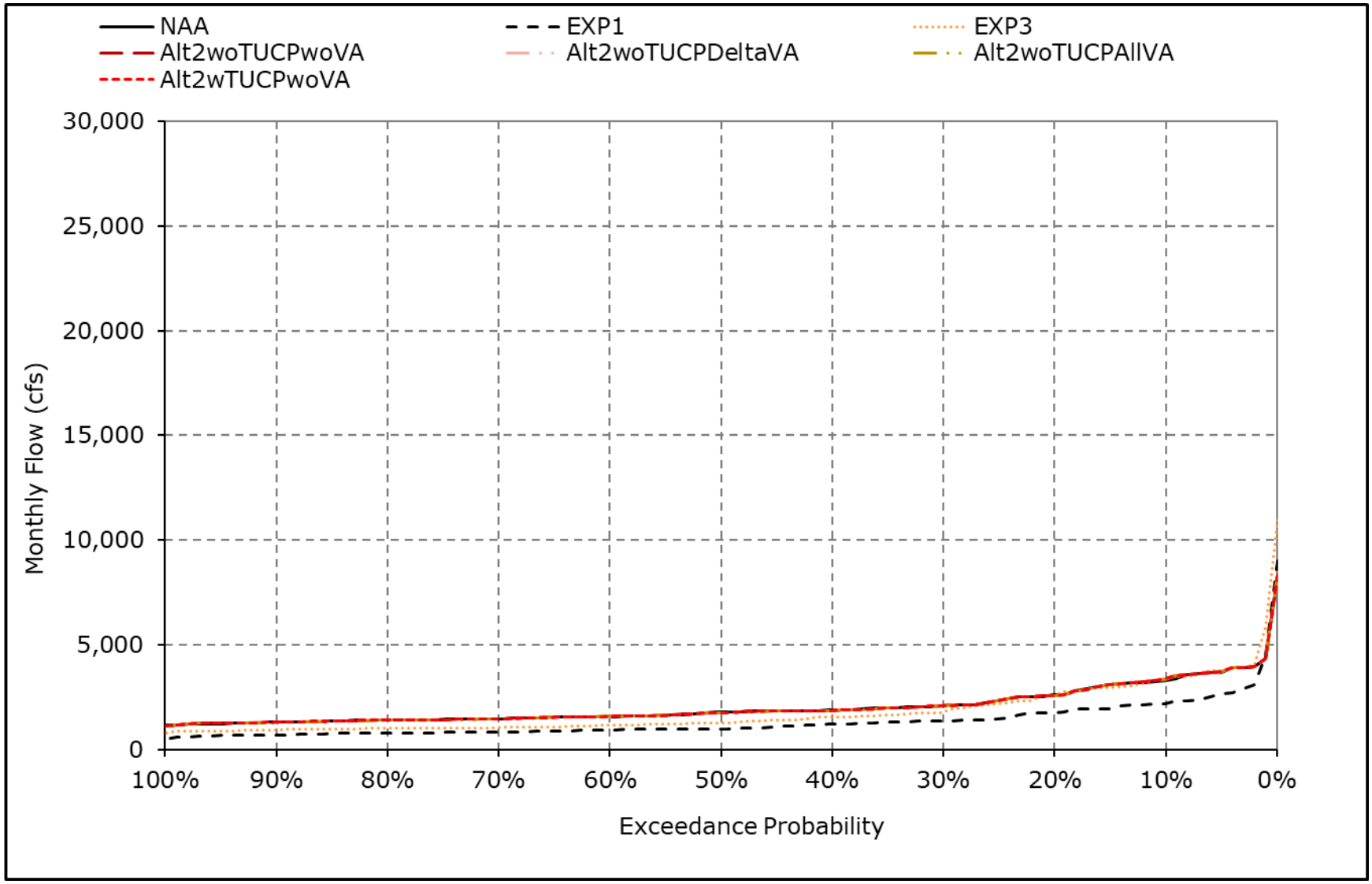
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-6. San Joaquin River at Vernalis (60-20-20), Critical Year Average Flow



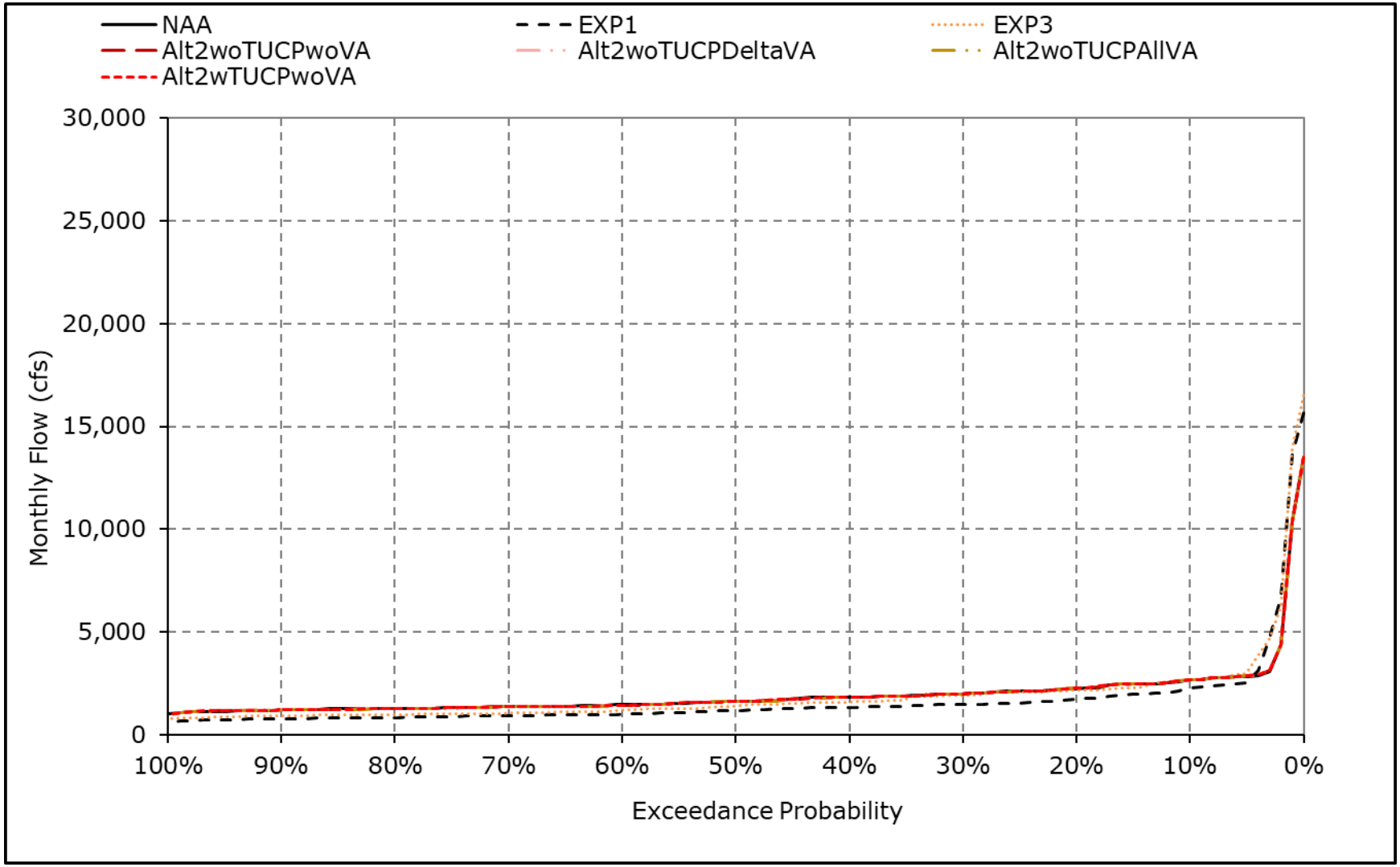
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-7. San Joaquin River at Vernalis (60-20-20), October



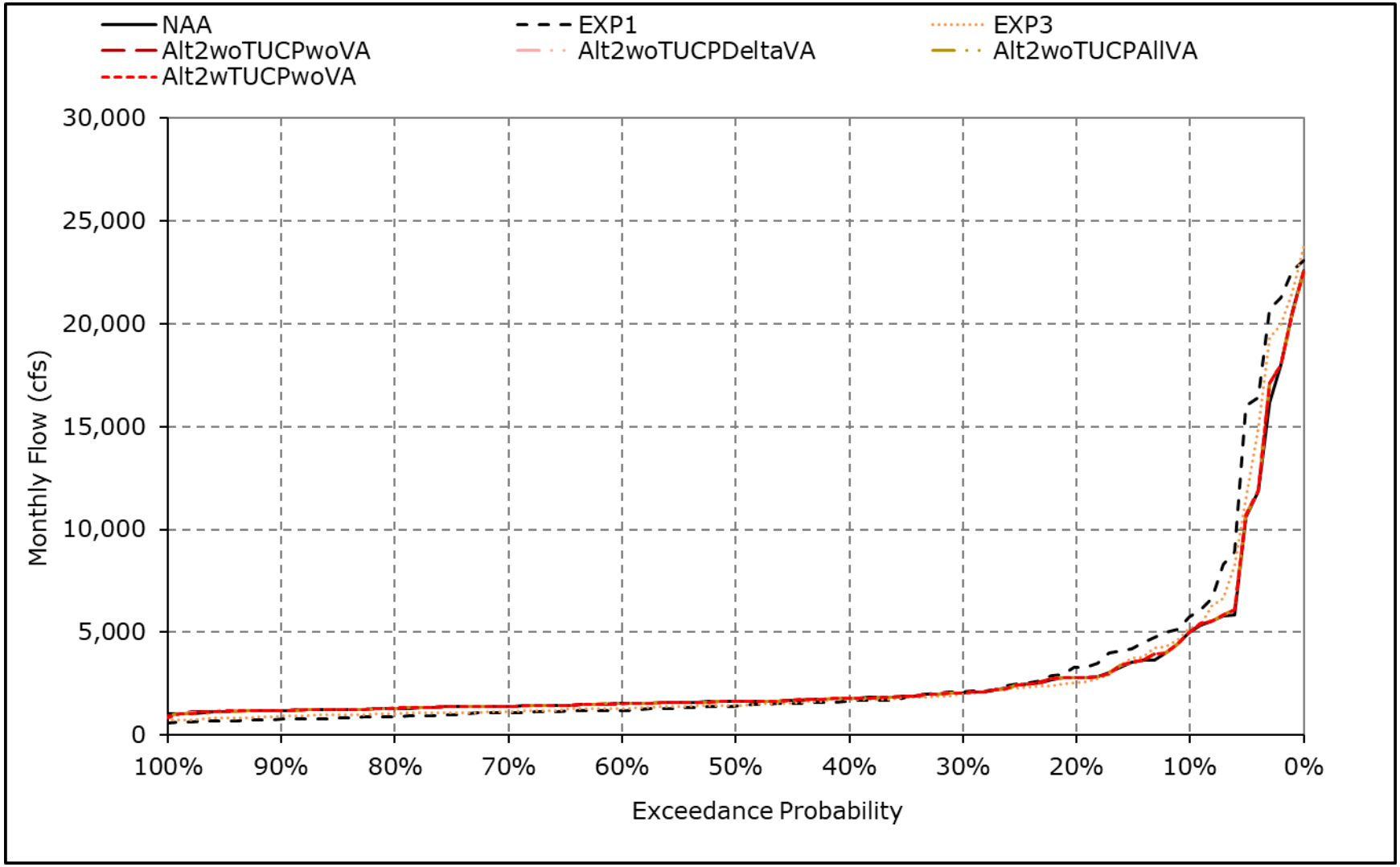
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-8. San Joaquin River at Vernalis (60-20-20), November



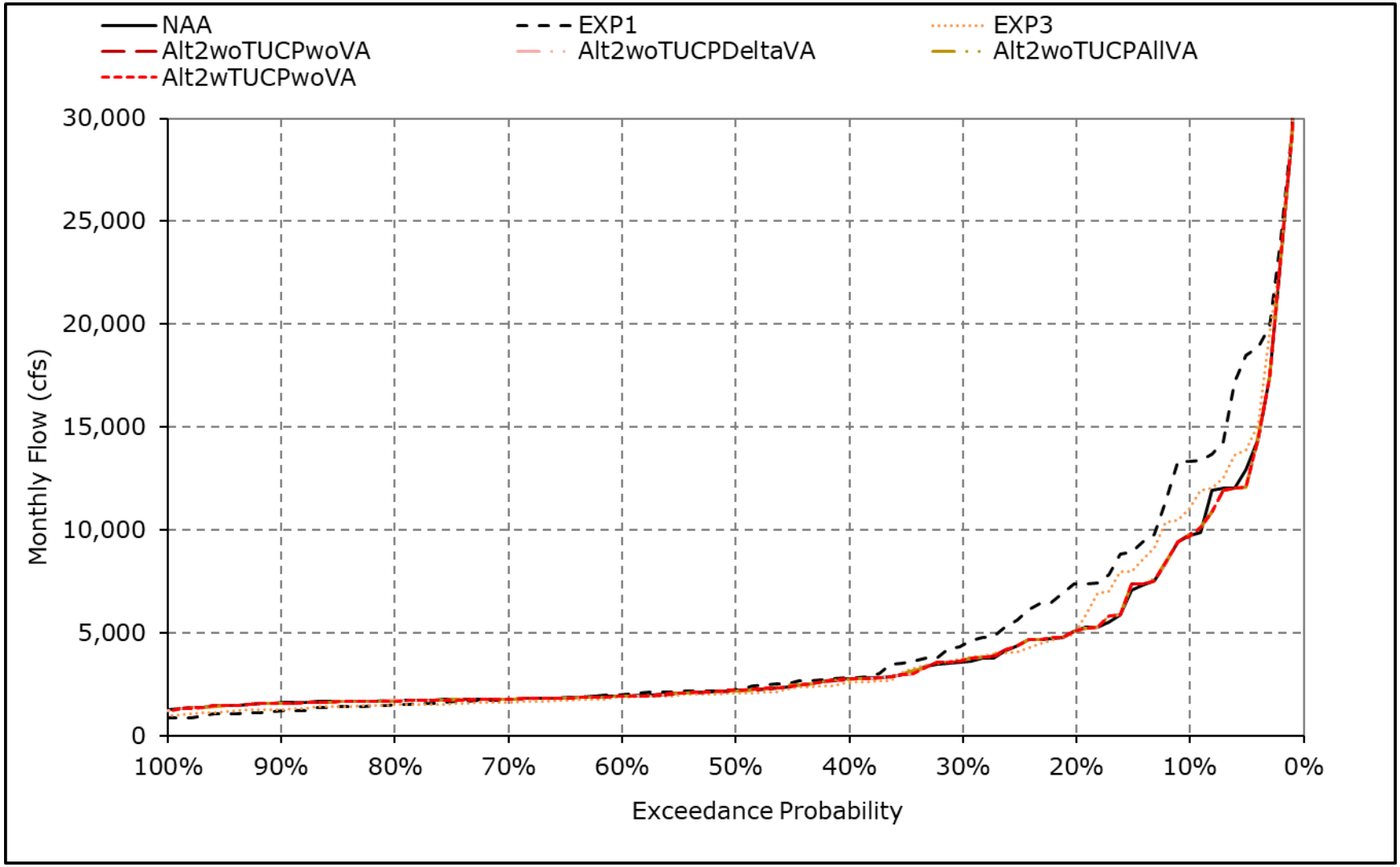
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-9. San Joaquin River at Vernalis (60-20-20), December



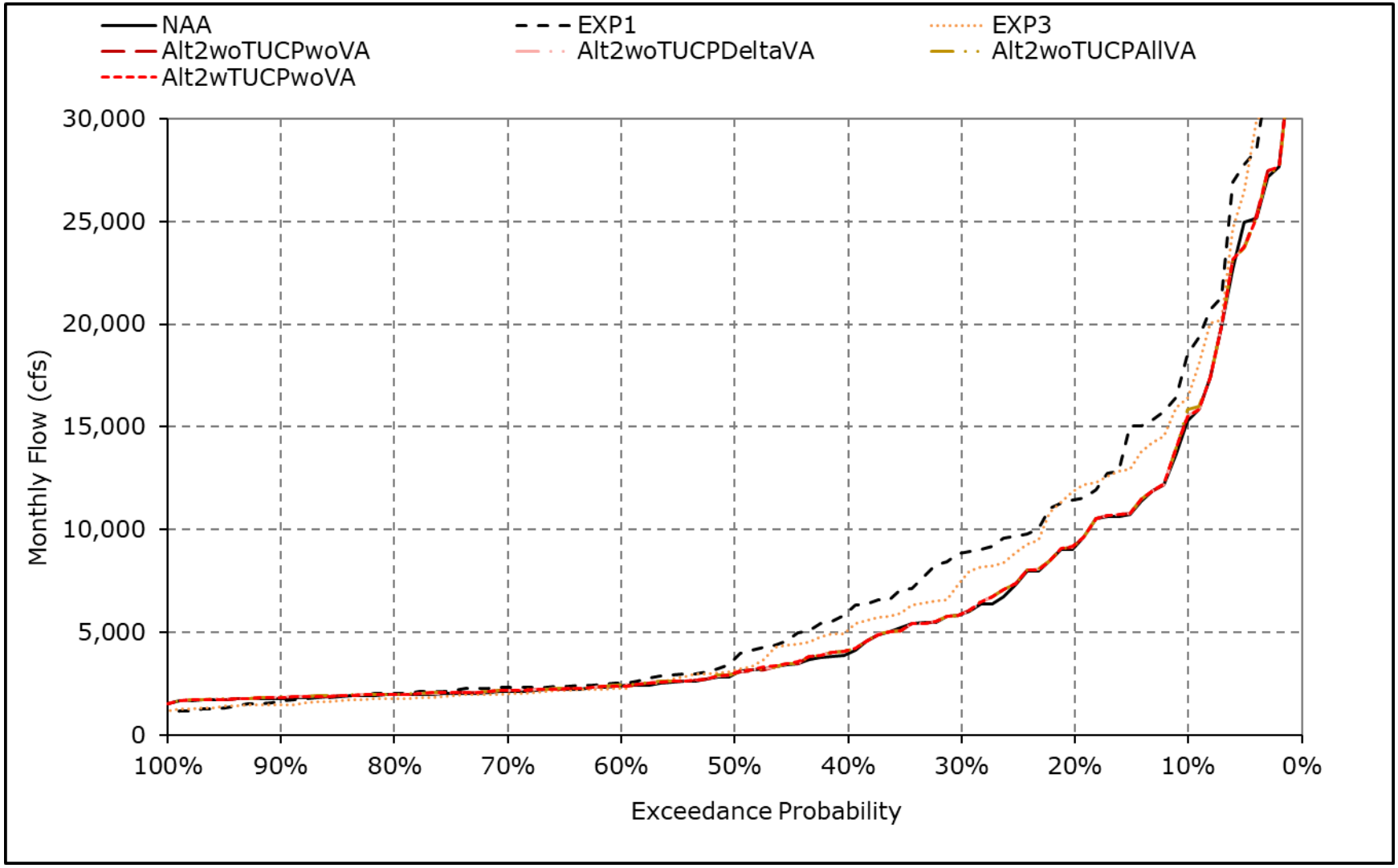
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-10. San Joaquin River at Vernalis (60-20-20), January



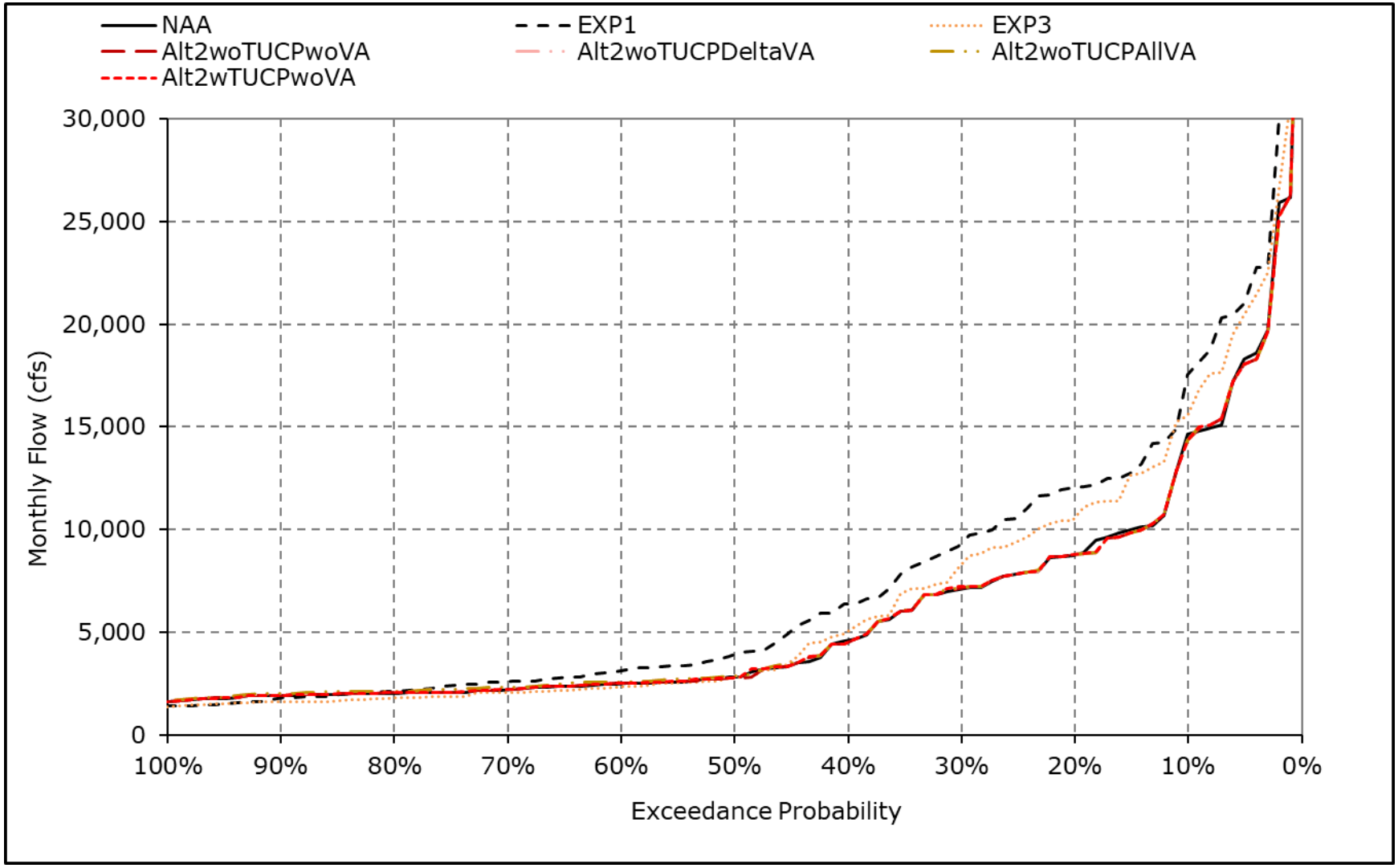
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-11. San Joaquin River at Vernalis (60-20-20), February



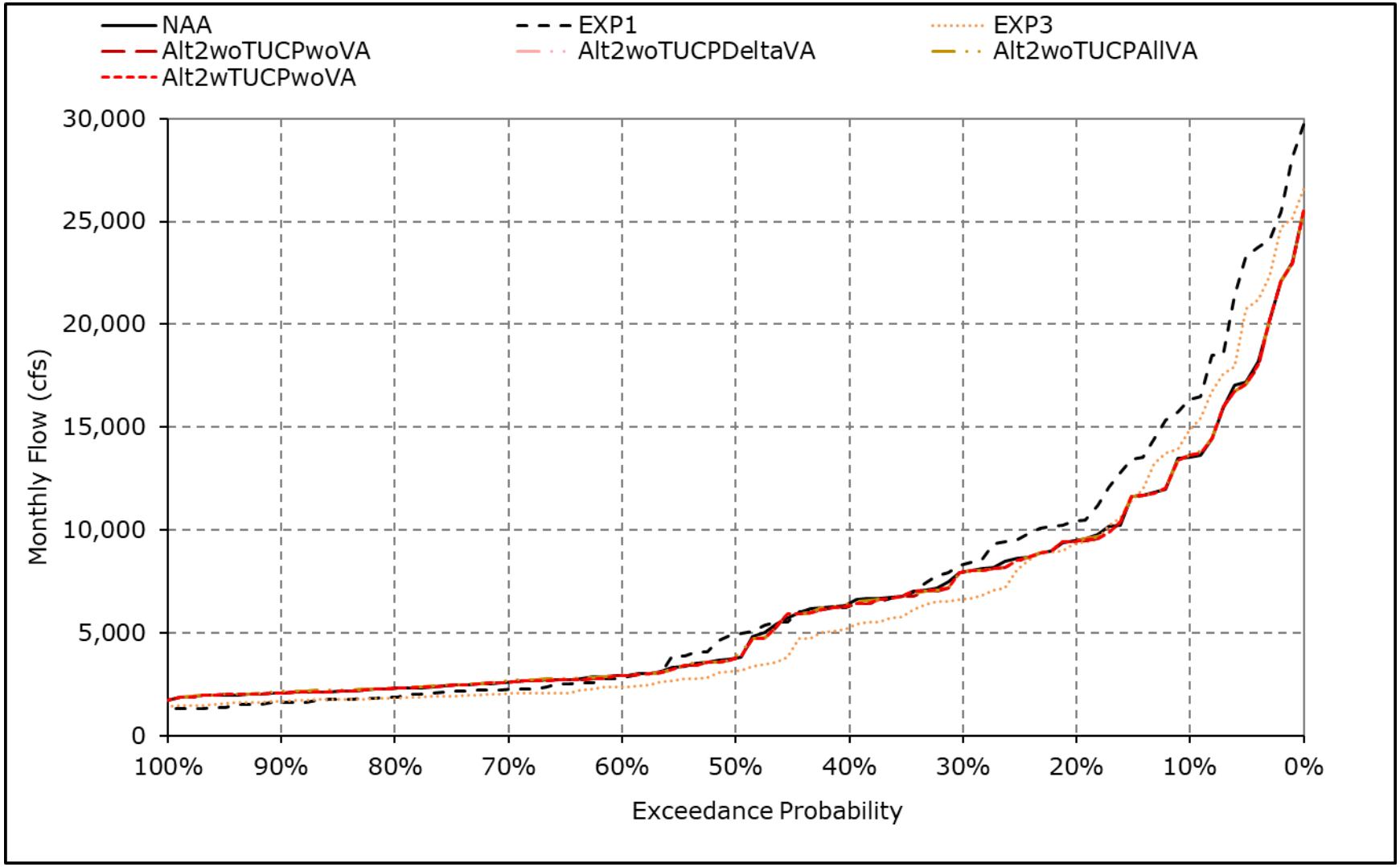
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-12. San Joaquin River at Vernalis (60-20-20), March



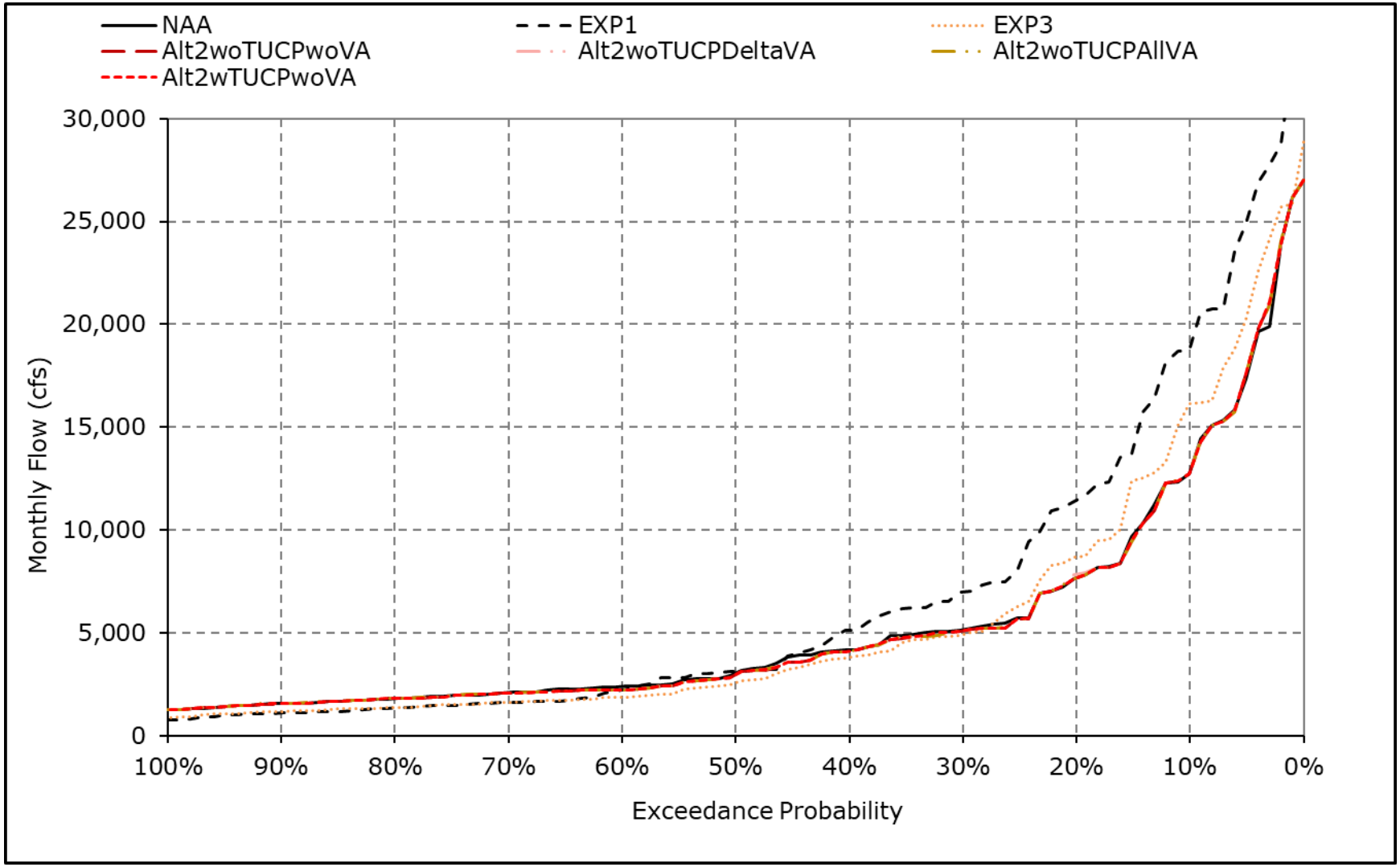
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-13. San Joaquin River at Vernalis (60-20-20), April



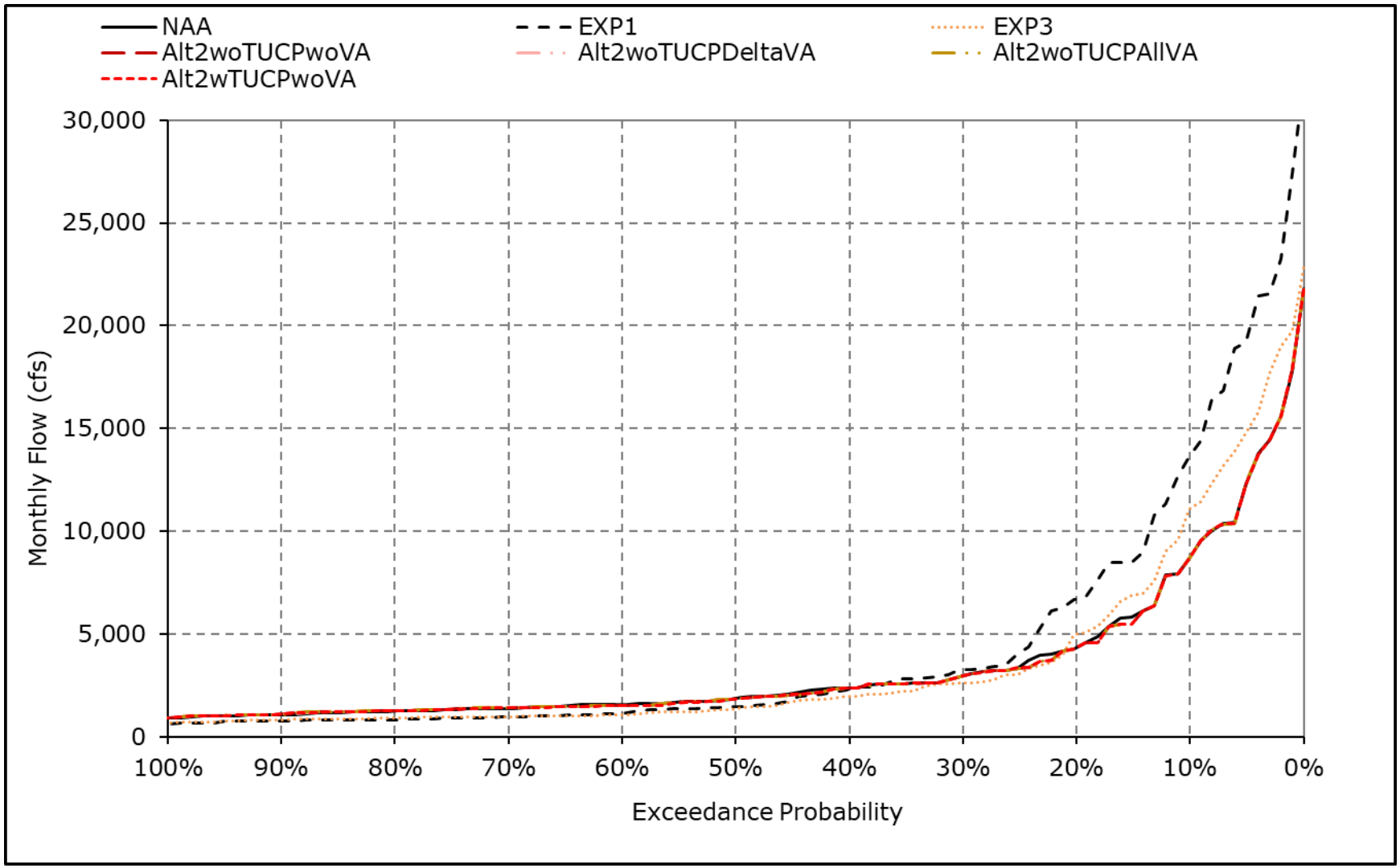
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-14. San Joaquin River at Vernalis (60-20-20), May



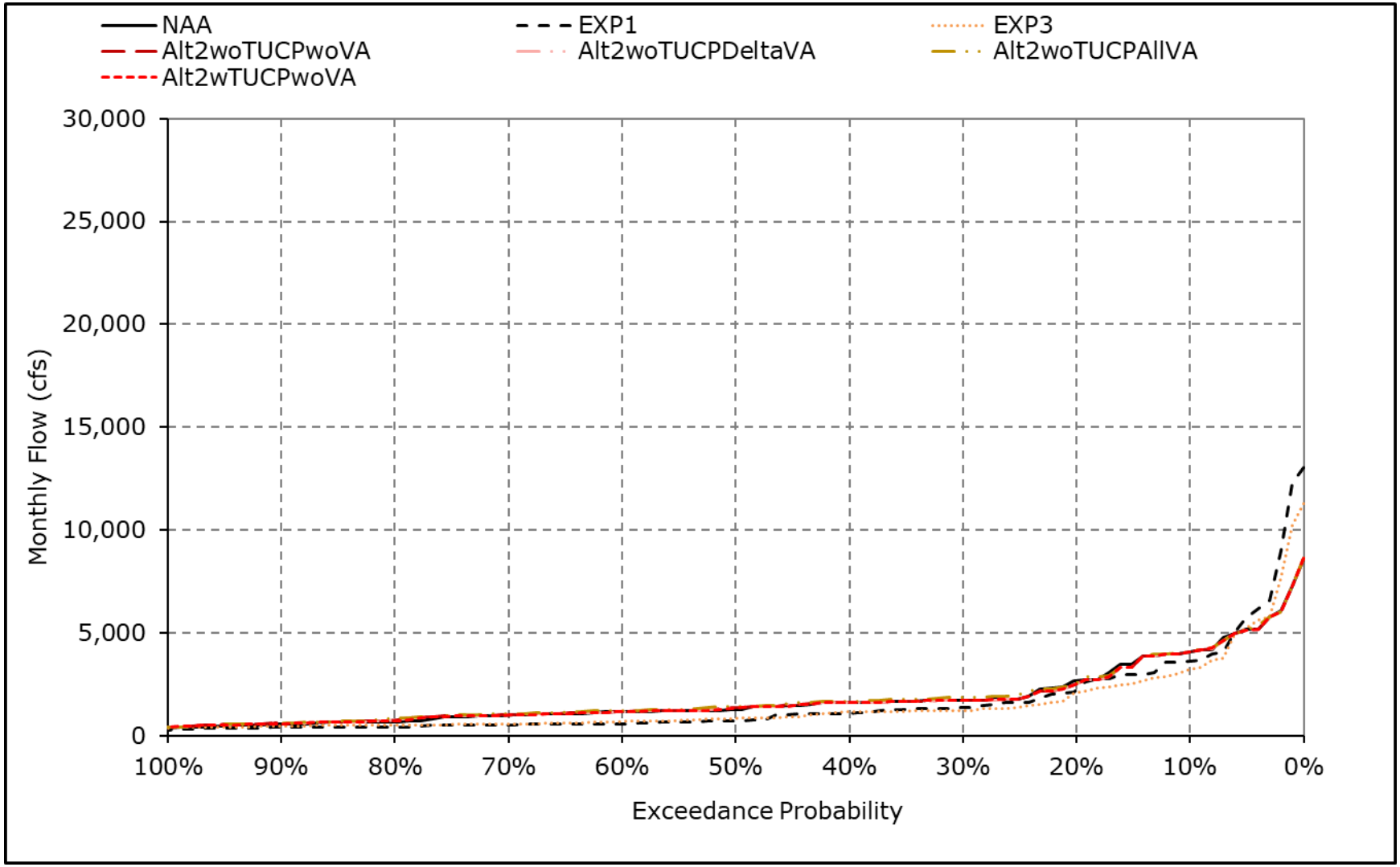
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-15. San Joaquin River at Vernalis (60-20-20), June



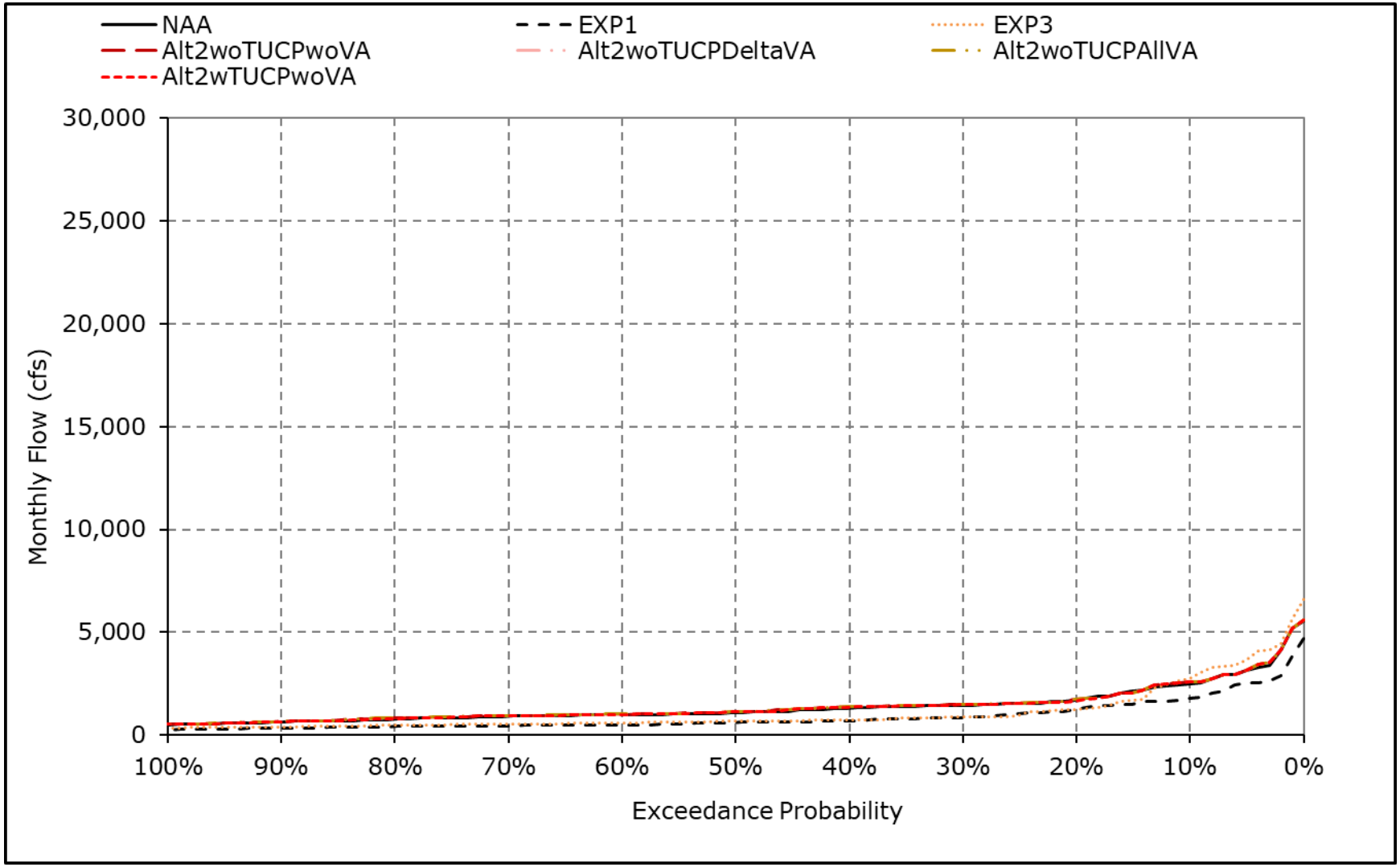
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-16. San Joaquin River at Vernalis (60-20-20), July



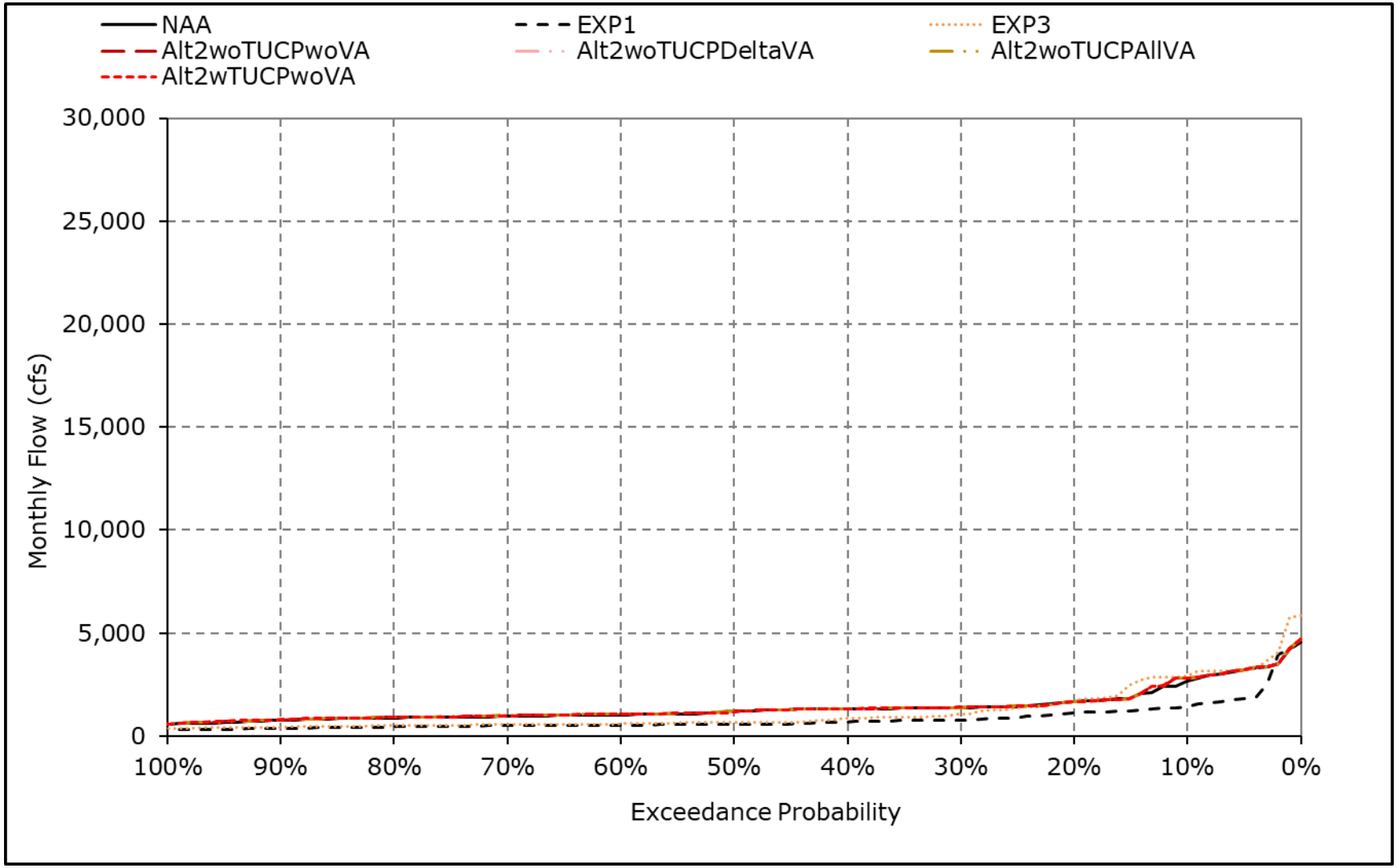
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-17. San Joaquin River at Vernalis (60-20-20), August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-22-18. San Joaquin River at Vernalis (60-20-20), September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-23-1a. Old and Middle River Flow, NAA, 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

Table F.2.2-23-1b. Old and Middle River Flow, Alt2woTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,820	-1,471	-1,998	-3,100	-1,072	-1,255	-1,340	-1,608	-2,225	-3,271	-2,519	-3,458
20% Exceedance	-2,108	-2,458	-3,438	-3,505	-3,580	-3,097	-1,928	-2,116	-3,203	-4,914	-3,142	-4,266
30% Exceedance	-2,731	-4,276	-4,782	-3,645	-3,741	-3,500	-2,307	-2,577	-4,272	-7,293	-4,319	-4,602
40% Exceedance	-3,371	-5,882	-5,290	-3,983	-3,938	-3,500	-2,525	-2,811	-4,400	-8,424	-6,603	-4,985
50% Exceedance	-4,775	-7,665	-5,290	-4,262	-4,030	-3,575	-2,644	-3,069	-4,407	-9,278	-9,118	-5,525
60% Exceedance	-5,109	-8,319	-5,290	-4,346	-4,041	-3,650	-2,993	-3,236	-4,475	-9,703	-9,720	-6,348
70% Exceedance	-5,733	-8,616	-5,290	-4,516	-4,225	-3,905	-3,637	-3,498	-4,490	-10,429	-10,433	-7,218
80% Exceedance	-6,089	-9,066	-5,406	-4,528	-4,464	-3,905	-3,919	-3,817	-4,491	-11,027	-10,708	-8,534
90% Exceedance	-7,113	-9,359	-7,482	-4,775	-4,489	-4,325	-4,048	-4,011	-4,505	-11,230	-11,141	-9,874
Full Simulation Period Average[a]	-4,447	-6,169	-4,875	-3,551	-3,196	-2,912	-2,671	-2,784	-3,929	-8,182	-7,370	-6,162
Wet Water Years (28%)	-6,124	-8,348	-5,495	-2,637	-1,960	-1,794	-2,802	-2,792	-4,079	-9,618	-10,062	-7,755
Above Normal Water Years (14%)	-4,731	-8,399	-5,983	-4,235	-3,748	-3,287	-3,504	-3,577	-4,381	-10,244	-10,513	-6,276
Below Normal Water Years (18%)	-4,523	-6,364	-4,796	-4,119	-3,856	-3,642	-2,980	-2,978	-4,496	-9,852	-8,805	-6,855
Dry Water Years (24%)	-3,627	-4,820	-3,723	-4,020	-3,617	-3,813	-2,512	-2,733	-4,262	-7,458	-4,620	-5,447
Critical Water Years (16%)	-2,253	-1,794	-4,551	-3,209	-3,506	-2,367	-1,606	-1,932	-2,133	-3,072	-2,420	-3,566

Table F.2.2-23-1c. Old and Middle River Flow, Alt2woTUCPwoVA minus NAA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	105	174	-137	379	-330	424	-704	-474	-308	-1,144	172	-408
20% Exceedance	93	30	-212	140	440	189	-1,035	-609	165	710	589	-69
30% Exceedance	191	76	-99	0	320	0	-859	-801	84	121	676	-72
40% Exceedance	866	-352	0	533	206	0	-757	-901	280	223	104	1
50% Exceedance	95	10	0	254	130	-75	-648	-1,045	487	186	-99	15
60% Exceedance	203	-107	0	171	276	-150	-847	-1,032	525	326	-13	-12
70% Exceedance	44	-37	0	0	190	-250	-1,299	-1,135	510	-127	-148	35
80% Exceedance	113	-61	724	324	0	165	-1,485	-1,295	509	-234	-145	84
90% Exceedance	-19	-1	-8	225	-7	-255	-629	-1,403	495	-121	-205	-781
Full Simulation Period Average[a]	192	9	-1	236	71	-24	-873	-959	294	59	95	-188
Wet Water Years (28%)	4	52	74	82	-254	-533	-942	-1,696	80	90	53	-113
Above Normal Water Years (14%)	204	1	-19	67	-220	-118	-1,853	-1,229	397	-222	-128	-422
Below Normal Water Years (18%)	629	-240	104	193	244	17	-920	-864	363	-6	238	-97
Dry Water Years (24%)	17	39	-19	422	414	120	-417	-529	534	544	199	43
Critical Water Years (16%)	286	189	-220	421	186	685	-527	-184	139	-404	43	-564

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-2a. Old and Middle River Flow, NAA, 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

Table F.2.2-23-2b. Old and Middle River Flow, Alt2woTUCPDeltaVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,837	-1,444	-2,042	-3,109	-1,007	-1,174	-202	-1,511	-1,951	-3,601	-2,753	-3,554
20% Exceedance	-2,202	-2,463	-3,330	-3,522	-3,580	-1,249	-1,093	-1,807	-3,237	-5,192	-3,698	-4,359
30% Exceedance	-2,796	-4,318	-4,193	-3,645	-3,738	-1,485	-1,380	-2,212	-4,306	-7,397	-5,116	-4,591
40% Exceedance	-3,726	-6,230	-5,290	-4,016	-3,941	-1,701	-1,672	-2,682	-4,400	-8,170	-7,576	-5,069
50% Exceedance	-4,693	-7,671	-5,290	-4,262	-4,030	-2,118	-1,821	-2,847	-4,400	-9,161	-8,705	-5,592
60% Exceedance	-5,177	-8,432	-5,290	-4,352	-4,049	-3,011	-2,179	-3,143	-4,475	-9,669	-9,695	-6,501
70% Exceedance	-5,770	-8,723	-5,290	-4,516	-4,223	-3,650	-2,418	-3,400	-4,490	-10,539	-10,366	-6,980
80% Exceedance	-6,129	-9,119	-5,542	-4,625	-4,464	-3,861	-2,996	-3,804	-4,491	-10,901	-10,708	-8,547
90% Exceedance	-7,121	-9,431	-7,395	-4,787	-4,483	-4,281	-3,441	-4,032	-4,505	-11,401	-11,142	-9,768
Full Simulation Period Average[a]	-4,516	-6,229	-4,839	-3,567	-3,190	-2,083	-1,800	-2,667	-3,917	-8,319	-7,662	-6,203
Wet Water Years (28%)	-6,140	-8,522	-5,365	-2,626	-1,995	-1,515	-1,906	-2,778	-4,078	-9,569	-10,067	-7,843
Above Normal Water Years (14%)	-4,733	-8,613	-5,940	-4,235	-3,757	-1,925	-1,413	-3,254	-4,368	-10,204	-10,550	-6,520
Below Normal Water Years (18%)	-4,763	-6,415	-4,942	-4,142	-3,838	-1,868	-2,045	-2,950	-4,496	-9,747	-9,362	-6,869
Dry Water Years (24%)	-3,634	-4,751	-3,713	-4,047	-3,606	-2,844	-1,851	-2,464	-4,214	-7,831	-5,262	-5,342
Critical Water Years (16%)	-2,379	-1,705	-4,433	-3,265	-3,436	-2,318	-1,600	-1,943	-2,142	-3,605	-2,613	-3,597

Table F.2.2-23-2c. Old and Middle River Flow, Alt2woTUCPDeltaVA minus NAA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	87	201	-181	370	-265	505	434	-377	-35	-1,474	-61	-503
20% Exceedance	0	25	-104	123	440	2,037	-201	-300	130	432	33	-162
30% Exceedance	126	35	490	0	323	2,015	69	-436	49	17	-121	-61
40% Exceedance	510	-700	0	500	203	1,799	96	-772	280	477	-869	-84
50% Exceedance	176	4	0	254	130	1,382	176	-823	494	303	314	-53
60% Exceedance	135	-221	0	165	268	489	-33	-939	525	361	12	-165
70% Exceedance	6	-144	0	0	192	5	-81	-1,038	510	-236	-82	274
80% Exceedance	73	-114	588	227	0	209	-562	-1,282	509	-107	-145	72
90% Exceedance	-26	-73	78	213	0	-211	-22	-1,425	495	-291	-205	-675
Full Simulation Period Average[a]	123	-51	36	219	77	804	-2	-842	306	-77	-197	-229
Wet Water Years (28%)	-13	-121	204	93	-290	-254	-45	-1,683	81	139	49	-200
Above Normal Water Years (14%)	202	-213	23	67	-228	1,244	237	-905	410	-181	-165	-666
Below Normal Water Years (18%)	389	-291	-43	170	262	1,790	14	-836	363	99	-320	-111
Dry Water Years (24%)	10	108	-8	396	425	1,089	244	-260	582	171	-444	148
Critical Water Years (16%)	160	277	-103	364	256	734	-521	-195	129	-936	-149	-595

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-3a. Old and Middle River Flow, NAA, 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

Table F.2.2-23-3b. Old and Middle River Flow, Alt2woTUCPAllVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,824	-1,389	-1,793	-3,112	-942	-1,085	-246	-1,311	-1,915	-3,860	-2,687	-3,569
20% Exceedance	-2,498	-2,599	-3,286	-3,518	-3,575	-1,245	-794	-1,755	-3,239	-5,375	-3,785	-4,271
30% Exceedance	-2,866	-4,424	-4,020	-3,645	-3,741	-1,360	-1,162	-2,131	-4,273	-7,180	-5,091	-4,581
40% Exceedance	-4,060	-6,252	-5,290	-3,983	-3,963	-1,475	-1,493	-2,514	-4,400	-8,419	-7,742	-5,074
50% Exceedance	-4,789	-7,691	-5,290	-4,262	-4,030	-2,031	-1,699	-2,861	-4,400	-9,212	-8,792	-5,702
60% Exceedance	-5,191	-8,487	-5,290	-4,343	-4,043	-2,979	-1,955	-3,090	-4,475	-9,710	-9,543	-6,520
70% Exceedance	-5,740	-8,741	-5,290	-4,516	-4,223	-3,523	-2,294	-3,403	-4,490	-10,462	-10,330	-7,088
80% Exceedance	-6,202	-9,106	-5,570	-4,625	-4,464	-3,797	-2,614	-3,804	-4,491	-10,933	-10,729	-8,485
90% Exceedance	-7,308	-9,534	-7,454	-4,784	-4,483	-4,126	-3,354	-4,047	-4,505	-11,392	-11,139	-9,920
Full Simulation Period Average[a]	-4,635	-6,266	-4,778	-3,569	-3,199	-1,996	-1,647	-2,644	-3,899	-8,314	-7,665	-6,212
Wet Water Years (28%)	-6,217	-8,520	-5,364	-2,627	-1,999	-1,447	-1,822	-2,786	-4,078	-9,573	-10,069	-7,806
Above Normal Water Years (14%)	-4,810	-8,634	-5,948	-4,235	-3,690	-1,875	-1,310	-3,250	-4,345	-10,143	-10,432	-6,476
Below Normal Water Years (18%)	-5,133	-6,369	-4,813	-4,140	-3,824	-1,777	-1,848	-2,912	-4,479	-9,744	-9,378	-7,052
Dry Water Years (24%)	-3,718	-4,900	-3,731	-4,043	-3,705	-2,705	-1,572	-2,390	-4,216	-7,825	-5,320	-5,336
Critical Water Years (16%)	-2,378	-1,753	-4,149	-3,278	-3,407	-2,247	-1,519	-1,945	-2,068	-3,637	-2,628	-3,560

Table F.2.2-23-3c. Old and Middle River Flow, Alt2woTUCPAllVA minus NAA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	101	255	68	367	-199	595	391	-177	1	-1,733	5	-519
20% Exceedance	-296	-111	-60	127	445	2,041	98	-248	129	248	-54	-74
30% Exceedance	56	-71	662	0	320	2,140	287	-354	82	234	-96	-50
40% Exceedance	176	-723	0	533	181	2,025	274	-604	280	229	-1,035	-88
50% Exceedance	81	-16	0	254	130	1,469	298	-838	494	253	227	-162
60% Exceedance	121	-276	0	173	274	521	191	-886	525	319	163	-184
70% Exceedance	37	-162	0	0	192	132	43	-1,040	510	-159	-46	166
80% Exceedance	0	-100	559	227	0	273	-180	-1,282	509	-140	-166	133
90% Exceedance	-213	-176	19	216	0	-56	64	-1,440	495	-283	-202	-827
Full Simulation Period Average[a]	3	-89	96	218	69	891	152	-819	323	-73	-200	-238
Wet Water Years (28%)	-90	-120	205	91	-293	-186	38	-1,690	81	134	46	-163
Above Normal Water Years (14%)	125	-235	16	67	-162	1,294	340	-902	433	-120	-46	-623
Below Normal Water Years (18%)	19	-246	87	172	276	1,882	212	-798	380	103	-336	-293
Dry Water Years (24%)	-74	-41	-27	399	325	1,228	523	-185	580	178	-501	154
Critical Water Years (16%)	161	229	181	351	285	806	-440	-197	203	-968	-164	-558

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-4a. Old and Middle River Flow, NAA, 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

Table F.2.2-23-4b. Old and Middle River Flow, Alt2wTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,833	-1,649	-2,057	-3,100	-1,594	-1,633	-765	-1,624	-1,727	-2,127	-2,297	-3,269
20% Exceedance	-2,220	-2,566	-3,358	-3,500	-3,582	-3,227	-1,905	-2,107	-3,256	-4,999	-3,251	-4,231
30% Exceedance	-2,779	-4,210	-4,764	-3,645	-3,745	-3,500	-2,307	-2,671	-4,238	-7,486	-4,570	-4,595
40% Exceedance	-3,814	-5,875	-5,290	-3,983	-3,974	-3,500	-2,527	-2,856	-4,400	-8,443	-7,005	-4,890
50% Exceedance	-4,910	-7,669	-5,290	-4,262	-4,030	-3,575	-2,649	-3,094	-4,400	-9,243	-9,305	-5,592
60% Exceedance	-5,156	-8,310	-5,290	-4,343	-4,175	-3,650	-2,993	-3,288	-4,475	-9,694	-9,739	-6,419
70% Exceedance	-5,737	-8,617	-5,290	-4,516	-4,250	-3,905	-3,637	-3,553	-4,490	-10,439	-10,470	-7,239
80% Exceedance	-6,110	-9,068	-5,405	-4,526	-4,464	-3,905	-3,944	-3,802	-4,491	-11,011	-10,728	-8,597
90% Exceedance	-7,114	-9,350	-7,381	-4,775	-4,550	-4,325	-4,049	-4,018	-4,505	-11,229	-11,140	-9,845
Full Simulation Period Average[a]	-4,528	-6,237	-4,867	-3,558	-3,254	-2,980	-2,617	-2,809	-3,913	-8,102	-7,462	-6,118
Wet Water Years (28%)	-6,128	-8,348	-5,499	-2,636	-1,971	-1,795	-2,803	-2,775	-4,079	-9,608	-10,065	-7,746
Above Normal Water Years (14%)	-4,731	-8,402	-5,988	-4,235	-3,820	-3,287	-3,504	-3,579	-4,381	-10,242	-10,570	-6,302
Below Normal Water Years (18%)	-4,723	-6,383	-4,867	-4,119	-3,896	-3,642	-2,984	-3,080	-4,429	-9,895	-9,331	-6,982
Dry Water Years (24%)	-3,621	-4,812	-3,801	-4,021	-3,617	-3,813	-2,512	-2,735	-4,263	-7,501	-4,651	-5,453
Critical Water Years (16%)	-2,557	-2,233	-4,275	-3,252	-3,739	-2,793	-1,262	-2,001	-2,105	-2,480	-2,302	-3,137

Table F.2.2-23-4c. Old and Middle River Flow, Alt2wTUCPwoVA minus NAA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	92	-5	-195	379	-852	46	-129	-490	189	0	394	-218
20% Exceedance	-18	-79	-132	145	439	59	-1,012	-600	112	624	480	-34
30% Exceedance	144	142	-81	0	316	0	-859	-895	118	-72	425	-64
40% Exceedance	422	-346	0	533	170	0	-759	-946	280	204	-298	96
50% Exceedance	-41	7	0	254	130	-75	-652	-1,070	494	222	-286	-52
60% Exceedance	156	-99	0	173	141	-150	-847	-1,084	525	336	-33	-84
70% Exceedance	40	-38	0	0	165	-250	-1,300	-1,191	510	-136	-185	14
80% Exceedance	92	-62	724	326	0	165	-1,511	-1,280	509	-218	-165	22
90% Exceedance	-20	8	92	225	-68	-255	-630	-1,411	495	-120	-203	-752
Full Simulation Period Average[a]	111	-59	7	229	13	-93	-819	-984	310	139	3	-145
Wet Water Years (28%)	0	52	70	82	-265	-535	-942	-1,679	80	99	51	-104
Above Normal Water Years (14%)	204	-3	-25	67	-291	-118	-1,854	-1,231	397	-219	-184	-448
Below Normal Water Years (18%)	429	-260	32	193	204	17	-924	-966	430	-48	-288	-223
Dry Water Years (24%)	23	47	-97	422	413	120	-417	-530	533	502	168	37
Critical Water Years (16%)	-18	-251	56	377	-47	259	-183	-253	167	189	161	-135

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-5a. Old and Middle River Flow, NAA, 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

Table F.2.2-23-5b. Old and Middle River Flow, EXP3, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	993	1,480	3,007	5,752	9,810	8,492	7,031	7,203	4,516	310	122	406
20% Exceedance	737	957	1,650	3,364	5,958	5,216	4,096	3,664	1,573	-328	-627	18
30% Exceedance	469	740	1,142	2,418	4,135	4,082	3,035	1,827	494	-640	-715	-321
40% Exceedance	279	587	911	1,825	3,137	2,671	2,242	1,346	-71	-794	-765	-512
50% Exceedance	167	490	746	1,397	1,984	1,687	1,511	801	-316	-887	-871	-585
60% Exceedance	52	403	599	1,097	1,557	1,341	979	294	-474	-1,075	-920	-614
70% Exceedance	-55	300	471	950	1,142	1,113	726	171	-524	-1,131	-972	-654
80% Exceedance	-115	179	375	759	1,028	925	593	16	-569	-1,206	-1,023	-683
90% Exceedance	-172	106	215	622	875	767	532	-54	-704	-1,230	-1,073	-711
Full Simulation Period Average[a]	335	774	1,504	2,746	4,160	3,554	2,830	2,219	789	-642	-674	-327
Wet Water Years (28%)	906	1,373	2,207	6,018	8,808	7,838	6,490	5,983	3,296	236	-119	226
Above Normal Water Years (14%)	494	624	1,266	2,614	4,368	3,534	2,548	1,636	502	-627	-794	-390
Below Normal Water Years (18%)	132	631	1,478	1,598	2,593	2,203	1,869	1,199	94	-925	-815	-451
Dry Water Years (24%)	18	577	1,323	1,117	1,744	1,360	908	373	-462	-1,114	-920	-622
Critical Water Years (16%)	-140	288	750	872	1,232	882	635	56	-690	-1,163	-1,009	-656

Table F.2.2-23-5c. Old and Middle River Flow, EXP3 minus NAA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,918	3,124	4,868	9,232	10,552	10,171	7,667	8,337	6,432	2,437	2,813	3,456
20% Exceedance	2,939	3,444	4,877	7,009	9,979	8,502	4,988	5,171	4,941	5,295	3,104	4,215
30% Exceedance	3,391	5,093	5,825	6,063	8,196	7,582	4,483	3,603	4,849	6,773	4,280	4,209
40% Exceedance	4,516	6,117	6,202	6,341	7,281	6,171	4,010	3,255	4,609	7,854	5,942	4,474
50% Exceedance	5,036	8,165	6,037	5,913	6,144	5,187	3,507	2,824	4,578	8,578	8,148	4,954
60% Exceedance	5,364	8,614	5,890	5,613	5,874	4,841	3,125	2,497	4,526	8,954	8,786	5,721
70% Exceedance	5,721	8,879	5,761	5,466	5,557	4,768	3,063	2,534	4,476	9,171	9,312	6,599
80% Exceedance	6,088	9,185	6,504	5,611	5,492	4,995	3,027	2,538	4,431	9,587	9,540	7,936
90% Exceedance	6,923	9,464	7,689	5,622	5,357	4,837	3,951	2,553	4,296	9,879	9,863	8,382
Full Simulation Period Average[a]	4,973	6,951	6,378	6,533	7,428	6,441	4,628	4,043	5,011	7,599	6,791	5,647
Wet Water Years (28%)	7,033	9,774	7,776	8,736	10,514	9,098	8,350	7,079	7,455	9,943	9,996	7,868
Above Normal Water Years (14%)	5,428	9,023	7,230	6,916	7,896	6,703	4,199	3,984	5,280	9,396	9,592	5,463
Below Normal Water Years (18%)	5,284	6,755	6,378	5,910	6,693	5,862	3,929	3,313	4,952	8,922	8,228	6,307
Dry Water Years (24%)	3,662	5,437	5,027	5,560	5,775	5,293	3,003	2,577	4,334	6,889	3,899	4,868
Critical Water Years (16%)	2,399	2,271	5,080	4,501	4,924	3,935	1,714	1,804	1,582	1,505	1,454	2,346

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-6a. Old and Middle River Flow, EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	601	1,318	3,173	6,706	10,538	9,055	7,736	9,247	5,703	373	-392	-183
20% Exceedance	362	874	1,897	4,221	5,895	6,167	4,895	5,050	2,376	-330	-671	-392
30% Exceedance	234	594	1,301	2,667	4,647	4,710	3,905	2,814	658	-716	-794	-566
40% Exceedance	89	430	869	1,869	3,341	3,156	2,856	1,960	-24	-863	-844	-626
50% Exceedance	-3	348	742	1,474	2,189	2,143	2,161	1,106	-343	-913	-893	-667
60% Exceedance	-88	280	632	1,134	1,713	1,697	1,229	375	-495	-1,020	-943	-704
70% Exceedance	-184	190	388	971	1,267	1,422	905	94	-597	-1,132	-1,041	-722
80% Exceedance	-251	89	295	787	1,096	1,139	644	-43	-623	-1,215	-1,095	-752
90% Exceedance	-312	13	142	585	904	815	466	-193	-699	-1,246	-1,118	-782
Full Simulation Period Average[a]	107	644	1,595	3,025	4,398	3,965	3,331	2,922	1,274	-616	-810	-524
Wet Water Years (28%)	501	1,126	2,159	6,746	8,989	8,388	7,413	7,508	4,657	311	-464	-229
Above Normal Water Years (14%)	298	502	1,309	3,073	4,781	4,167	3,002	2,459	1,027	-608	-835	-491
Below Normal Water Years (18%)	-56	526	1,703	1,660	2,892	2,674	2,422	1,802	247	-914	-878	-599
Dry Water Years (24%)	-103	546	1,607	1,140	1,975	1,650	1,264	608	-459	-1,105	-987	-704
Critical Water Years (16%)	-286	185	680	835	1,358	972	597	34	-678	-1,177	-1,051	-715

Table F.2.2-23-6b. Old and Middle River Flow, Alt2woTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,820	-1,471	-1,998	-3,100	-1,072	-1,255	-1,340	-1,608	-2,225	-3,271	-2,519	-3,458
20% Exceedance	-2,108	-2,458	-3,438	-3,505	-3,580	-3,097	-1,928	-2,116	-3,203	-4,914	-3,142	-4,266
30% Exceedance	-2,731	-4,276	-4,782	-3,645	-3,741	-3,500	-2,307	-2,577	-4,272	-7,293	-4,319	-4,602
40% Exceedance	-3,371	-5,882	-5,290	-3,983	-3,938	-3,500	-2,525	-2,811	-4,400	-8,424	-6,603	-4,985
50% Exceedance	-4,775	-7,665	-5,290	-4,262	-4,030	-3,575	-2,644	-3,069	-4,407	-9,278	-9,118	-5,525
60% Exceedance	-5,109	-8,319	-5,290	-4,346	-4,041	-3,650	-2,993	-3,236	-4,475	-9,703	-9,720	-6,348
70% Exceedance	-5,733	-8,616	-5,290	-4,516	-4,225	-3,905	-3,637	-3,498	-4,490	-10,429	-10,433	-7,218
80% Exceedance	-6,089	-9,066	-5,406	-4,528	-4,464	-3,905	-3,919	-3,817	-4,491	-11,027	-10,708	-8,534
90% Exceedance	-7,113	-9,359	-7,482	-4,775	-4,489	-4,325	-4,048	-4,011	-4,505	-11,230	-11,141	-9,874
Full Simulation Period Average[a]	-4,447	-6,169	-4,875	-3,551	-3,196	-2,912	-2,671	-2,784	-3,929	-8,182	-7,370	-6,162
Wet Water Years (28%)	-6,124	-8,348	-5,495	-2,637	-1,960	-1,794	-2,802	-2,792	-4,079	-9,618	-10,062	-7,755
Above Normal Water Years (14%)	-4,731	-8,399	-5,983	-4,235	-3,748	-3,287	-3,504	-3,577	-4,381	-10,244	-10,513	-6,276
Below Normal Water Years (18%)	-4,523	-6,364	-4,796	-4,119	-3,856	-3,642	-2,980	-2,978	-4,496	-9,852	-8,805	-6,855
Dry Water Years (24%)	-3,627	-4,820	-3,723	-4,020	-3,617	-3,813	-2,512	-2,733	-4,262	-7,458	-4,620	-5,447
Critical Water Years (16%)	-2,253	-1,794	-4,551	-3,209	-3,506	-2,367	-1,606	-1,932	-2,133	-3,072	-2,420	-3,566

Table F.2.2-23-6c. Old and Middle River Flow, Alt2woTUCPwoVA minus EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,420	-2,789	-5,171	-9,806	-11,610	-10,310	-9,077	-10,855	-7,927	-3,644	-2,127	-3,276
20% Exceedance	-2,470	-3,332	-5,335	-7,726	-9,475	-9,265	-6,822	-7,166	-5,579	-4,584	-2,472	-3,874
30% Exceedance	-2,965	-4,870	-6,083	-6,312	-8,389	-8,210	-6,212	-5,391	-4,929	-6,577	-3,525	-4,036
40% Exceedance	-3,460	-6,312	-6,159	-5,852	-7,279	-6,656	-5,381	-4,771	-4,376	-7,561	-5,759	-4,359
50% Exceedance	-4,772	-8,013	-6,032	-5,736	-6,219	-5,718	-4,805	-4,175	-4,064	-8,365	-8,225	-4,858
60% Exceedance	-5,022	-8,598	-5,922	-5,479	-5,753	-5,347	-4,222	-3,611	-3,980	-8,683	-8,777	-5,644
70% Exceedance	-5,549	-8,806	-5,678	-5,487	-5,492	-5,327	-4,542	-3,592	-3,893	-9,297	-9,392	-6,496
80% Exceedance	-5,838	-9,155	-5,701	-5,315	-5,560	-5,044	-4,563	-3,774	-3,868	-9,812	-9,613	-7,783
90% Exceedance	-6,801	-9,372	-7,624	-5,360	-5,394	-5,140	-4,515	-3,817	-3,806	-9,983	-10,023	-9,092
Full Simulation Period Average[a]	-4,554	-6,812	-6,471	-6,576	-7,594	-6,877	-6,002	-5,706	-5,202	-7,566	-6,560	-5,638
Wet Water Years (28%)	-6,625	-9,474	-7,654	-9,382	-10,949	-10,182	-10,215	-10,300	-8,736	-9,929	-9,598	-7,526
Above Normal Water Years (14%)	-5,029	-8,900	-7,292	-7,308	-8,529	-7,454	-6,505	-6,036	-5,407	-9,636	-9,678	-5,785
Below Normal Water Years (18%)	-4,466	-6,890	-6,500	-5,779	-6,748	-6,316	-5,402	-4,780	-4,742	-8,938	-7,927	-6,256
Dry Water Years (24%)	-3,524	-5,365	-5,330	-5,160	-5,592	-5,463	-3,776	-3,341	-3,803	-6,354	-3,633	-4,742
Critical Water Years (16%)	-1,967	-1,979	-5,231	-4,044	-4,863	-3,339	-2,203	-1,966	-1,455	-1,895	-1,369	-2,851

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-7a. Old and Middle River Flow, EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	601	1,318	3,173	6,706	10,538	9,055	7,736	9,247	5,703	373	-392	-183
20% Exceedance	362	874	1,897	4,221	5,895	6,167	4,895	5,050	2,376	-330	-671	-392
30% Exceedance	234	594	1,301	2,667	4,647	4,710	3,905	2,814	658	-716	-794	-566
40% Exceedance	89	430	869	1,869	3,341	3,156	2,856	1,960	-24	-863	-844	-626
50% Exceedance	-3	348	742	1,474	2,189	2,143	2,161	1,106	-343	-913	-893	-667
60% Exceedance	-88	280	632	1,134	1,713	1,697	1,229	375	-495	-1,020	-943	-704
70% Exceedance	-184	190	388	971	1,267	1,422	905	94	-597	-1,132	-1,041	-722
80% Exceedance	-251	89	295	787	1,096	1,139	644	-43	-623	-1,215	-1,095	-752
90% Exceedance	-312	13	142	585	904	815	466	-193	-699	-1,246	-1,118	-782
Full Simulation Period Average[a]	107	644	1,595	3,025	4,398	3,965	3,331	2,922	1,274	-616	-810	-524
Wet Water Years (28%)	501	1,126	2,159	6,746	8,989	8,388	7,413	7,508	4,657	311	-464	-229
Above Normal Water Years (14%)	298	502	1,309	3,073	4,781	4,167	3,002	2,459	1,027	-608	-835	-491
Below Normal Water Years (18%)	-56	526	1,703	1,660	2,892	2,674	2,422	1,802	247	-914	-878	-599
Dry Water Years (24%)	-103	546	1,607	1,140	1,975	1,650	1,264	608	-459	-1,105	-987	-704
Critical Water Years (16%)	-286	185	680	835	1,358	972	597	34	-678	-1,177	-1,051	-715

Table F.2.2-23-7b. Old and Middle River Flow, Alt2woTUCPDeltaVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,837	-1,444	-2,042	-3,109	-1,007	-1,174	-202	-1,511	-1,951	-3,601	-2,753	-3,554
20% Exceedance	-2,202	-2,463	-3,330	-3,522	-3,580	-1,249	-1,093	-1,807	-3,237	-5,192	-3,698	-4,359
30% Exceedance	-2,796	-4,318	-4,193	-3,645	-3,738	-1,485	-1,380	-2,212	-4,306	-7,397	-5,116	-4,591
40% Exceedance	-3,726	-6,230	-5,290	-4,016	-3,941	-1,701	-1,672	-2,682	-4,400	-8,170	-7,576	-5,069
50% Exceedance	-4,693	-7,671	-5,290	-4,262	-4,030	-2,118	-1,821	-2,847	-4,400	-9,161	-8,705	-5,592
60% Exceedance	-5,177	-8,432	-5,290	-4,352	-4,049	-3,011	-2,179	-3,143	-4,475	-9,669	-9,695	-6,501
70% Exceedance	-5,770	-8,723	-5,290	-4,516	-4,223	-3,650	-2,418	-3,400	-4,490	-10,539	-10,366	-6,980
80% Exceedance	-6,129	-9,119	-5,542	-4,625	-4,464	-3,861	-2,996	-3,804	-4,491	-10,901	-10,708	-8,547
90% Exceedance	-7,121	-9,431	-7,395	-4,787	-4,483	-4,281	-3,441	-4,032	-4,505	-11,401	-11,142	-9,768
Full Simulation Period Average[a]	-4,516	-6,229	-4,839	-3,567	-3,190	-2,083	-1,800	-2,667	-3,917	-8,319	-7,662	-6,203
Wet Water Years (28%)	-6,140	-8,522	-5,365	-2,626	-1,995	-1,515	-1,906	-2,778	-4,078	-9,569	-10,067	-7,843
Above Normal Water Years (14%)	-4,733	-8,613	-5,940	-4,235	-3,757	-1,925	-1,413	-3,254	-4,368	-10,204	-10,550	-6,520
Below Normal Water Years (18%)	-4,763	-6,415	-4,942	-4,142	-3,838	-1,868	-2,045	-2,950	-4,496	-9,747	-9,362	-6,869
Dry Water Years (24%)	-3,634	-4,751	-3,713	-4,047	-3,606	-2,844	-1,851	-2,464	-4,214	-7,831	-5,262	-5,342
Critical Water Years (16%)	-2,379	-1,705	-4,433	-3,265	-3,436	-2,318	-1,600	-1,943	-2,142	-3,605	-2,613	-3,597

Table F.2.2-23-7c. Old and Middle River Flow, Alt2woTUCPDeltaVA minus EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,438	-2,762	-5,216	-9,815	-11,545	-10,229	-7,939	-10,758	-7,653	-3,974	-2,360	-3,371
20% Exceedance	-2,564	-3,337	-5,227	-7,743	-9,475	-7,416	-5,988	-6,857	-5,614	-4,862	-3,027	-3,966
30% Exceedance	-3,030	-4,911	-5,494	-6,312	-8,386	-6,195	-5,285	-5,026	-4,964	-6,682	-4,321	-4,024
40% Exceedance	-3,815	-6,660	-6,159	-5,885	-7,282	-4,856	-4,528	-4,642	-4,376	-7,307	-6,732	-4,443
50% Exceedance	-4,690	-8,019	-6,032	-5,736	-6,219	-4,261	-3,982	-3,953	-4,057	-8,248	-7,812	-4,925
60% Exceedance	-5,090	-8,712	-5,922	-5,485	-5,761	-4,708	-3,408	-3,518	-3,980	-8,648	-8,752	-5,797
70% Exceedance	-5,587	-8,913	-5,678	-5,487	-5,490	-5,072	-3,323	-3,494	-3,893	-9,407	-9,325	-6,258
80% Exceedance	-5,879	-9,208	-5,836	-5,412	-5,560	-5,000	-3,640	-3,760	-3,868	-9,686	-9,613	-7,795
90% Exceedance	-6,809	-9,443	-7,537	-5,372	-5,387	-5,095	-3,907	-3,839	-3,806	-10,154	-10,024	-8,986
Full Simulation Period Average[a]	-4,623	-6,873	-6,434	-6,592	-7,588	-6,048	-5,131	-5,589	-5,190	-7,703	-6,852	-5,679
Wet Water Years (28%)	-6,641	-9,648	-7,524	-9,371	-10,984	-9,903	-9,318	-10,286	-8,735	-9,880	-9,603	-7,614
Above Normal Water Years (14%)	-5,031	-9,114	-7,249	-7,308	-8,538	-6,093	-4,415	-5,712	-5,395	-9,596	-9,715	-6,029
Below Normal Water Years (18%)	-4,707	-6,940	-6,646	-5,802	-6,729	-4,542	-4,467	-4,752	-4,742	-8,833	-8,485	-6,270
Dry Water Years (24%)	-3,531	-5,297	-5,320	-5,187	-5,580	-4,494	-3,115	-3,072	-3,756	-6,727	-4,275	-4,638
Critical Water Years (16%)	-2,093	-1,890	-5,113	-4,100	-4,793	-3,290	-2,197	-1,976	-1,464	-2,427	-1,561	-2,882

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-8a. Old and Middle River Flow, EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	601	1,318	3,173	6,706	10,538	9,055	7,736	9,247	5,703	373	-392	-183
20% Exceedance	362	874	1,897	4,221	5,895	6,167	4,895	5,050	2,376	-330	-671	-392
30% Exceedance	234	594	1,301	2,667	4,647	4,710	3,905	2,814	658	-716	-794	-566
40% Exceedance	89	430	869	1,869	3,341	3,156	2,856	1,960	-24	-863	-844	-626
50% Exceedance	-3	348	742	1,474	2,189	2,143	2,161	1,106	-343	-913	-893	-667
60% Exceedance	-88	280	632	1,134	1,713	1,697	1,229	375	-495	-1,020	-943	-704
70% Exceedance	-184	190	388	971	1,267	1,422	905	94	-597	-1,132	-1,041	-722
80% Exceedance	-251	89	295	787	1,096	1,139	644	-43	-623	-1,215	-1,095	-752
90% Exceedance	-312	13	142	585	904	815	466	-193	-699	-1,246	-1,118	-782
Full Simulation Period Average[a]	107	644	1,595	3,025	4,398	3,965	3,331	2,922	1,274	-616	-810	-524
Wet Water Years (28%)	501	1,126	2,159	6,746	8,989	8,388	7,413	7,508	4,657	311	-464	-229
Above Normal Water Years (14%)	298	502	1,309	3,073	4,781	4,167	3,002	2,459	1,027	-608	-835	-491
Below Normal Water Years (18%)	-56	526	1,703	1,660	2,892	2,674	2,422	1,802	247	-914	-878	-599
Dry Water Years (24%)	-103	546	1,607	1,140	1,975	1,650	1,264	608	-459	-1,105	-987	-704
Critical Water Years (16%)	-286	185	680	835	1,358	972	597	34	-678	-1,177	-1,051	-715

Table F.2.2-23-8b. Old and Middle River Flow, Alt2woTUCPAllVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,824	-1,389	-1,793	-3,112	-942	-1,085	-246	-1,311	-1,915	-3,860	-2,687	-3,569
20% Exceedance	-2,498	-2,599	-3,286	-3,518	-3,575	-1,245	-794	-1,755	-3,239	-5,375	-3,785	-4,271
30% Exceedance	-2,866	-4,424	-4,020	-3,645	-3,741	-1,360	-1,162	-2,131	-4,273	-7,180	-5,091	-4,581
40% Exceedance	-4,060	-6,252	-5,290	-3,983	-3,963	-1,475	-1,493	-2,514	-4,400	-8,419	-7,742	-5,074
50% Exceedance	-4,789	-7,691	-5,290	-4,262	-4,030	-2,031	-1,699	-2,861	-4,400	-9,212	-8,792	-5,702
60% Exceedance	-5,191	-8,487	-5,290	-4,343	-4,043	-2,979	-1,955	-3,090	-4,475	-9,710	-9,543	-6,520
70% Exceedance	-5,740	-8,741	-5,290	-4,516	-4,223	-3,523	-2,294	-3,403	-4,490	-10,462	-10,330	-7,088
80% Exceedance	-6,202	-9,106	-5,570	-4,625	-4,464	-3,797	-2,614	-3,804	-4,491	-10,933	-10,729	-8,485
90% Exceedance	-7,308	-9,534	-7,454	-4,784	-4,483	-4,126	-3,354	-4,047	-4,505	-11,392	-11,139	-9,920
Full Simulation Period Average[a]	-4,635	-6,266	-4,778	-3,569	-3,199	-1,996	-1,647	-2,644	-3,899	-8,314	-7,665	-6,212
Wet Water Years (28%)	-6,217	-8,520	-5,364	-2,627	-1,999	-1,447	-1,822	-2,786	-4,078	-9,573	-10,069	-7,806
Above Normal Water Years (14%)	-4,810	-8,634	-5,948	-4,235	-3,690	-1,875	-1,310	-3,250	-4,345	-10,143	-10,432	-6,476
Below Normal Water Years (18%)	-5,133	-6,369	-4,813	-4,140	-3,824	-1,777	-1,848	-2,912	-4,479	-9,744	-9,378	-7,052
Dry Water Years (24%)	-3,718	-4,900	-3,731	-4,043	-3,705	-2,705	-1,572	-2,390	-4,216	-7,825	-5,320	-5,336
Critical Water Years (16%)	-2,378	-1,753	-4,149	-3,278	-3,407	-2,247	-1,519	-1,945	-2,068	-3,637	-2,628	-3,560

Table F.2.2-23-8c. Old and Middle River Flow, Alt2woTUCPAllVA minus EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,424	-2,707	-4,967	-9,818	-11,480	-10,140	-7,982	-10,558	-7,618	-4,233	-2,294	-3,387
20% Exceedance	-2,860	-3,473	-5,183	-7,740	-9,470	-7,413	-5,689	-6,805	-5,615	-5,045	-3,114	-3,879
30% Exceedance	-3,100	-5,017	-5,322	-6,312	-8,389	-6,070	-5,067	-4,945	-4,931	-6,464	-4,296	-4,014
40% Exceedance	-4,149	-6,683	-6,159	-5,852	-7,304	-4,631	-4,349	-4,474	-4,376	-7,555	-6,897	-4,448
50% Exceedance	-4,786	-8,039	-6,032	-5,736	-6,219	-4,174	-3,860	-3,968	-4,057	-8,299	-7,899	-5,035
60% Exceedance	-5,104	-8,767	-5,922	-5,477	-5,756	-4,676	-3,184	-3,465	-3,980	-8,690	-8,600	-5,816
70% Exceedance	-5,556	-8,931	-5,678	-5,487	-5,490	-4,944	-3,199	-3,497	-3,893	-9,330	-9,289	-6,366
80% Exceedance	-5,952	-9,195	-5,865	-5,412	-5,560	-4,937	-3,258	-3,760	-3,868	-9,719	-9,634	-7,734
90% Exceedance	-6,996	-9,546	-7,596	-5,369	-5,387	-4,941	-3,821	-3,854	-3,806	-10,146	-10,021	-9,139
Full Simulation Period Average[a]	-4,742	-6,910	-6,374	-6,593	-7,597	-5,961	-4,977	-5,566	-5,173	-7,698	-6,855	-5,688
Wet Water Years (28%)	-6,718	-9,647	-7,523	-9,373	-10,988	-9,835	-9,235	-10,294	-8,735	-9,885	-9,605	-7,577
Above Normal Water Years (14%)	-5,108	-9,136	-7,257	-7,308	-8,471	-6,043	-4,312	-5,709	-5,371	-9,535	-9,597	-5,986
Below Normal Water Years (18%)	-5,077	-6,895	-6,517	-5,800	-6,715	-4,451	-4,270	-4,714	-4,725	-8,830	-8,500	-6,453
Dry Water Years (24%)	-3,615	-5,446	-5,338	-5,183	-5,680	-4,355	-2,836	-2,998	-3,757	-6,720	-4,333	-4,632
Critical Water Years (16%)	-2,092	-1,938	-4,829	-4,113	-4,764	-3,218	-2,117	-1,979	-1,390	-2,459	-1,576	-2,845

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-9a. Old and Middle River Flow, EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	601	1,318	3,173	6,706	10,538	9,055	7,736	9,247	5,703	373	-392	-183
20% Exceedance	362	874	1,897	4,221	5,895	6,167	4,895	5,050	2,376	-330	-671	-392
30% Exceedance	234	594	1,301	2,667	4,647	4,710	3,905	2,814	658	-716	-794	-566
40% Exceedance	89	430	869	1,869	3,341	3,156	2,856	1,960	-24	-863	-844	-626
50% Exceedance	-3	348	742	1,474	2,189	2,143	2,161	1,106	-343	-913	-893	-667
60% Exceedance	-88	280	632	1,134	1,713	1,697	1,229	375	-495	-1,020	-943	-704
70% Exceedance	-184	190	388	971	1,267	1,422	905	94	-597	-1,132	-1,041	-722
80% Exceedance	-251	89	295	787	1,096	1,139	644	-43	-623	-1,215	-1,095	-752
90% Exceedance	-312	13	142	585	904	815	466	-193	-699	-1,246	-1,118	-782
Full Simulation Period Average[a]	107	644	1,595	3,025	4,398	3,965	3,331	2,922	1,274	-616	-810	-524
Wet Water Years (28%)	501	1,126	2,159	6,746	8,989	8,388	7,413	7,508	4,657	311	-464	-229
Above Normal Water Years (14%)	298	502	1,309	3,073	4,781	4,167	3,002	2,459	1,027	-608	-835	-491
Below Normal Water Years (18%)	-56	526	1,703	1,660	2,892	2,674	2,422	1,802	247	-914	-878	-599
Dry Water Years (24%)	-103	546	1,607	1,140	1,975	1,650	1,264	608	-459	-1,105	-987	-704
Critical Water Years (16%)	-286	185	680	835	1,358	972	597	34	-678	-1,177	-1,051	-715

Table F.2.2-23-9b. Old and Middle River Flow, Alt2wTUCPwoVA, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,833	-1,649	-2,057	-3,100	-1,594	-1,633	-765	-1,624	-1,727	-2,127	-2,297	-3,269
20% Exceedance	-2,220	-2,566	-3,358	-3,500	-3,582	-3,227	-1,905	-2,107	-3,256	-4,999	-3,251	-4,231
30% Exceedance	-2,779	-4,210	-4,764	-3,645	-3,745	-3,500	-2,307	-2,671	-4,238	-7,486	-4,570	-4,595
40% Exceedance	-3,814	-5,875	-5,290	-3,983	-3,974	-3,500	-2,527	-2,856	-4,400	-8,443	-7,005	-4,890
50% Exceedance	-4,910	-7,669	-5,290	-4,262	-4,030	-3,575	-2,649	-3,094	-4,400	-9,243	-9,305	-5,592
60% Exceedance	-5,156	-8,310	-5,290	-4,343	-4,175	-3,650	-2,993	-3,288	-4,475	-9,694	-9,739	-6,419
70% Exceedance	-5,737	-8,617	-5,290	-4,516	-4,250	-3,905	-3,637	-3,553	-4,490	-10,439	-10,470	-7,239
80% Exceedance	-6,110	-9,068	-5,405	-4,526	-4,464	-3,905	-3,944	-3,802	-4,491	-11,011	-10,728	-8,597
90% Exceedance	-7,114	-9,350	-7,381	-4,775	-4,550	-4,325	-4,049	-4,018	-4,505	-11,229	-11,140	-9,845
Full Simulation Period Average[a]	-4,528	-6,237	-4,867	-3,558	-3,254	-2,980	-2,617	-2,809	-3,913	-8,102	-7,462	-6,118
Wet Water Years (28%)	-6,128	-8,348	-5,499	-2,636	-1,971	-1,795	-2,803	-2,775	-4,079	-9,608	-10,065	-7,746
Above Normal Water Years (14%)	-4,731	-8,402	-5,988	-4,235	-3,820	-3,287	-3,504	-3,579	-4,381	-10,242	-10,570	-6,302
Below Normal Water Years (18%)	-4,723	-6,383	-4,867	-4,119	-3,896	-3,642	-2,984	-3,080	-4,429	-9,895	-9,331	-6,982
Dry Water Years (24%)	-3,621	-4,812	-3,801	-4,021	-3,617	-3,813	-2,512	-2,735	-4,263	-7,501	-4,651	-5,453
Critical Water Years (16%)	-2,557	-2,233	-4,275	-3,252	-3,739	-2,793	-1,262	-2,001	-2,105	-2,480	-2,302	-3,137

Table F.2.2-23-9c. Old and Middle River Flow, Alt2wTUCPwoVA minus EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,434	-2,967	-5,230	-9,806	-12,132	-10,688	-8,502	-10,870	-7,430	-2,500	-1,905	-3,086
20% Exceedance	-2,582	-3,440	-5,255	-7,721	-9,476	-9,394	-6,799	-7,157	-5,632	-4,669	-2,580	-3,839
30% Exceedance	-3,012	-4,804	-6,065	-6,312	-8,393	-8,210	-6,212	-5,485	-4,895	-6,770	-3,775	-4,028
40% Exceedance	-3,903	-6,306	-6,159	-5,852	-7,315	-6,656	-5,383	-4,816	-4,376	-7,580	-6,161	-4,264
50% Exceedance	-4,908	-8,016	-6,032	-5,736	-6,219	-5,718	-4,810	-4,200	-4,057	-8,329	-8,412	-4,925
60% Exceedance	-5,069	-8,590	-5,922	-5,477	-5,888	-5,347	-4,222	-3,663	-3,980	-8,673	-8,796	-5,716
70% Exceedance	-5,553	-8,807	-5,678	-5,487	-5,517	-5,327	-4,542	-3,647	-3,893	-9,307	-9,429	-6,517
80% Exceedance	-5,860	-9,157	-5,700	-5,313	-5,560	-5,044	-4,589	-3,759	-3,868	-9,796	-9,633	-7,845
90% Exceedance	-6,802	-9,363	-7,524	-5,360	-5,455	-5,140	-4,515	-3,825	-3,806	-9,983	-10,022	-9,063
Full Simulation Period Average[a]	-4,635	-6,881	-6,463	-6,583	-7,652	-6,945	-5,948	-5,731	-5,186	-7,486	-6,652	-5,594
Wet Water Years (28%)	-6,629	-9,475	-7,658	-9,382	-10,960	-10,184	-10,215	-10,283	-8,736	-9,920	-9,600	-7,518
Above Normal Water Years (14%)	-5,029	-8,903	-7,297	-7,308	-8,601	-7,454	-6,506	-6,037	-5,407	-9,634	-9,735	-5,811
Below Normal Water Years (18%)	-4,666	-6,909	-6,571	-5,779	-6,788	-6,316	-5,406	-4,881	-4,676	-8,981	-8,453	-6,383
Dry Water Years (24%)	-3,518	-5,358	-5,408	-5,160	-5,592	-5,463	-3,777	-3,343	-3,804	-6,396	-3,664	-4,748
Critical Water Years (16%)	-2,271	-2,419	-4,955	-4,087	-5,097	-3,765	-1,859	-2,035	-1,426	-1,302	-1,251	-2,422

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-23-10a. Old and Middle River Flow, EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	601	1,318	3,173	6,706	10,538	9,055	7,736	9,247	5,703	373	-392	-183
20% Exceedance	362	874	1,897	4,221	5,895	6,167	4,895	5,050	2,376	-330	-671	-392
30% Exceedance	234	594	1,301	2,667	4,647	4,710	3,905	2,814	658	-716	-794	-566
40% Exceedance	89	430	869	1,869	3,341	3,156	2,856	1,960	-24	-863	-844	-626
50% Exceedance	-3	348	742	1,474	2,189	2,143	2,161	1,106	-343	-913	-893	-667
60% Exceedance	-88	280	632	1,134	1,713	1,697	1,229	375	-495	-1,020	-943	-704
70% Exceedance	-184	190	388	971	1,267	1,422	905	94	-597	-1,132	-1,041	-722
80% Exceedance	-251	89	295	787	1,096	1,139	644	-43	-623	-1,215	-1,095	-752
90% Exceedance	-312	13	142	585	904	815	466	-193	-699	-1,246	-1,118	-782
Full Simulation Period Average[a]	107	644	1,595	3,025	4,398	3,965	3,331	2,922	1,274	-616	-810	-524
Wet Water Years (28%)	501	1,126	2,159	6,746	8,989	8,388	7,413	7,508	4,657	311	-464	-229
Above Normal Water Years (14%)	298	502	1,309	3,073	4,781	4,167	3,002	2,459	1,027	-608	-835	-491
Below Normal Water Years (18%)	-56	526	1,703	1,660	2,892	2,674	2,422	1,802	247	-914	-878	-599
Dry Water Years (24%)	-103	546	1,607	1,140	1,975	1,650	1,264	608	-459	-1,105	-987	-704
Critical Water Years (16%)	-286	185	680	835	1,358	972	597	34	-678	-1,177	-1,051	-715

Table F.2.2-23-10b. Old and Middle River Flow, NAA, 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

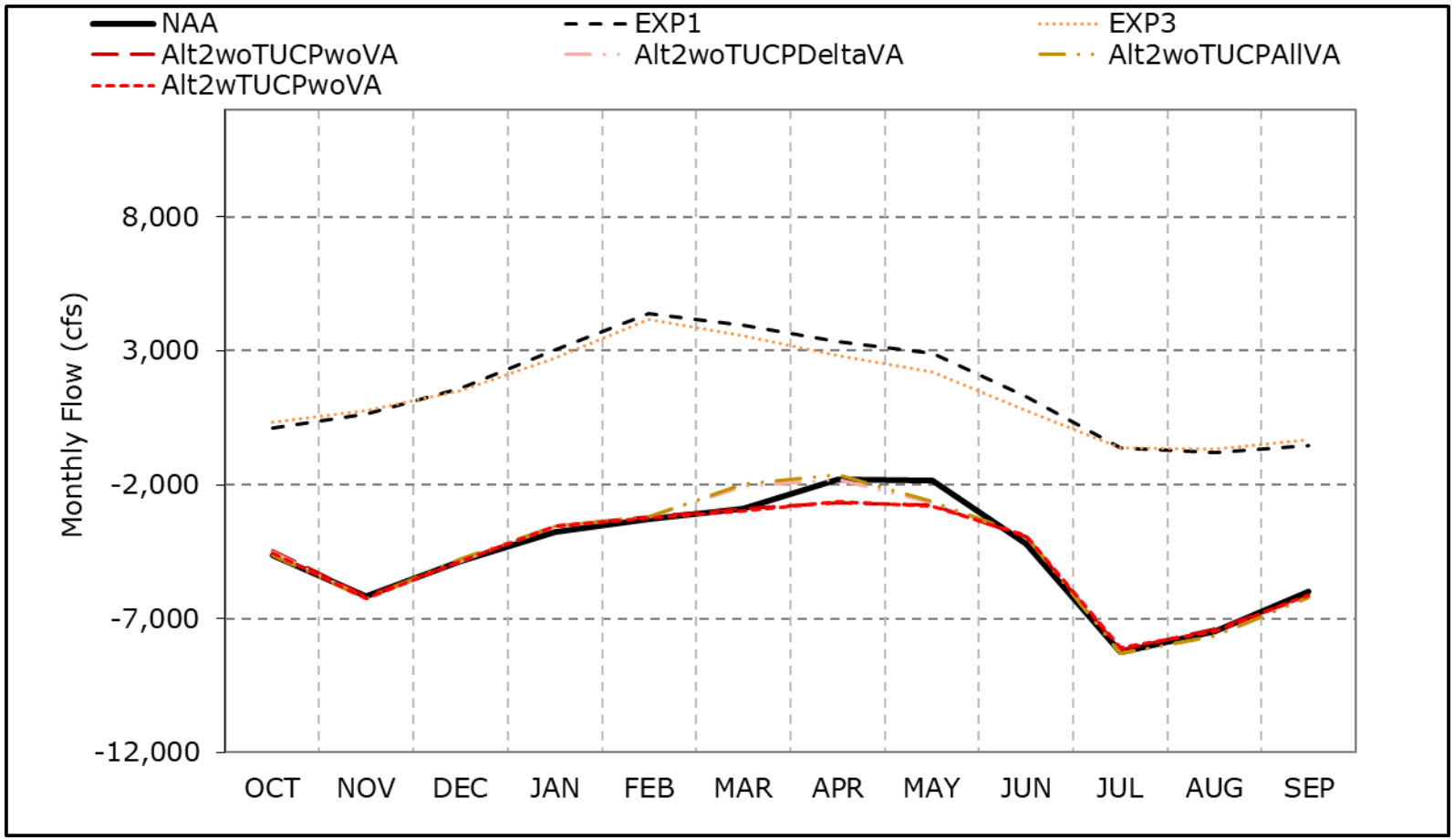
Table F.2.2-23-10c. Old and Middle River Flow, NAA minus EXP1, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,525	-2,963	-5,035	-10,185	-11,280	-10,735	-8,373	-10,381	-7,619	-2,500	-2,299	-2,868
20% Exceedance	-2,564	-3,362	-5,123	-7,866	-9,915	-9,453	-5,787	-6,557	-5,744	-5,293	-3,060	-3,805
30% Exceedance	-3,156	-4,946	-5,984	-6,312	-8,708	-8,210	-5,354	-4,590	-5,013	-6,698	-4,200	-3,964
40% Exceedance	-4,325	-5,960	-6,159	-6,385	-7,485	-6,656	-4,624	-3,870	-4,656	-7,784	-5,863	-4,360
50% Exceedance	-4,867	-8,023	-6,032	-5,990	-6,349	-5,643	-4,158	-3,130	-4,551	-8,551	-8,126	-4,873
60% Exceedance	-5,225	-8,491	-5,922	-5,650	-6,029	-5,197	-3,375	-2,579	-4,505	-9,009	-8,763	-5,632
70% Exceedance	-5,593	-8,769	-5,678	-5,487	-5,682	-5,077	-3,242	-2,456	-4,403	-9,170	-9,243	-6,532
80% Exceedance	-5,952	-9,094	-6,424	-5,639	-5,560	-5,209	-3,078	-2,478	-4,377	-9,579	-9,468	-7,867
90% Exceedance	-6,782	-9,371	-7,616	-5,585	-5,387	-4,885	-3,885	-2,414	-4,301	-9,863	-9,818	-8,312
Full Simulation Period Average[a]	-4,746	-6,822	-6,470	-6,811	-7,666	-6,853	-5,129	-4,747	-5,496	-7,625	-6,655	-5,450
Wet Water Years (28%)	-6,629	-9,527	-7,728	-9,464	-10,695	-9,649	-9,273	-8,603	-8,816	-10,019	-9,651	-7,414
Above Normal Water Years (14%)	-5,233	-8,901	-7,273	-7,375	-8,310	-7,336	-4,652	-4,807	-5,804	-9,415	-9,551	-5,363
Below Normal Water Years (18%)	-5,096	-6,649	-6,603	-5,972	-6,991	-6,332	-4,482	-3,916	-5,106	-8,932	-8,165	-6,159
Dry Water Years (24%)	-3,541	-5,405	-5,312	-5,582	-6,006	-5,584	-3,359	-2,812	-4,337	-6,898	-3,832	-4,786
Critical Water Years (16%)	-2,253	-2,167	-5,010	-4,464	-5,049	-4,024	-1,676	-1,782	-1,594	-1,491	-1,412	-2,287

[a] Based on the 100-year simulation period.

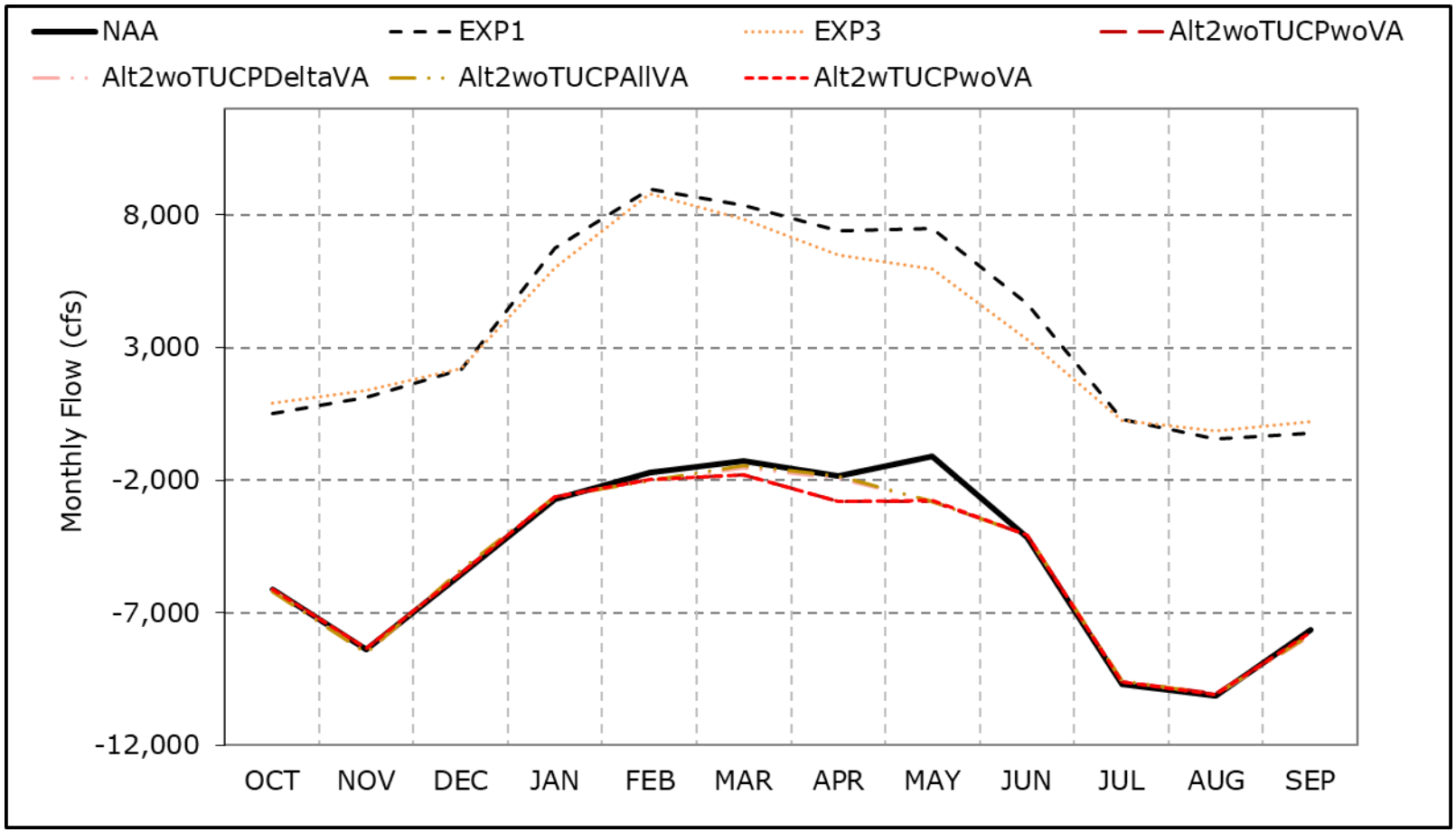
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-23-1. Old and Middle River Flow, Long-Term Average Flow



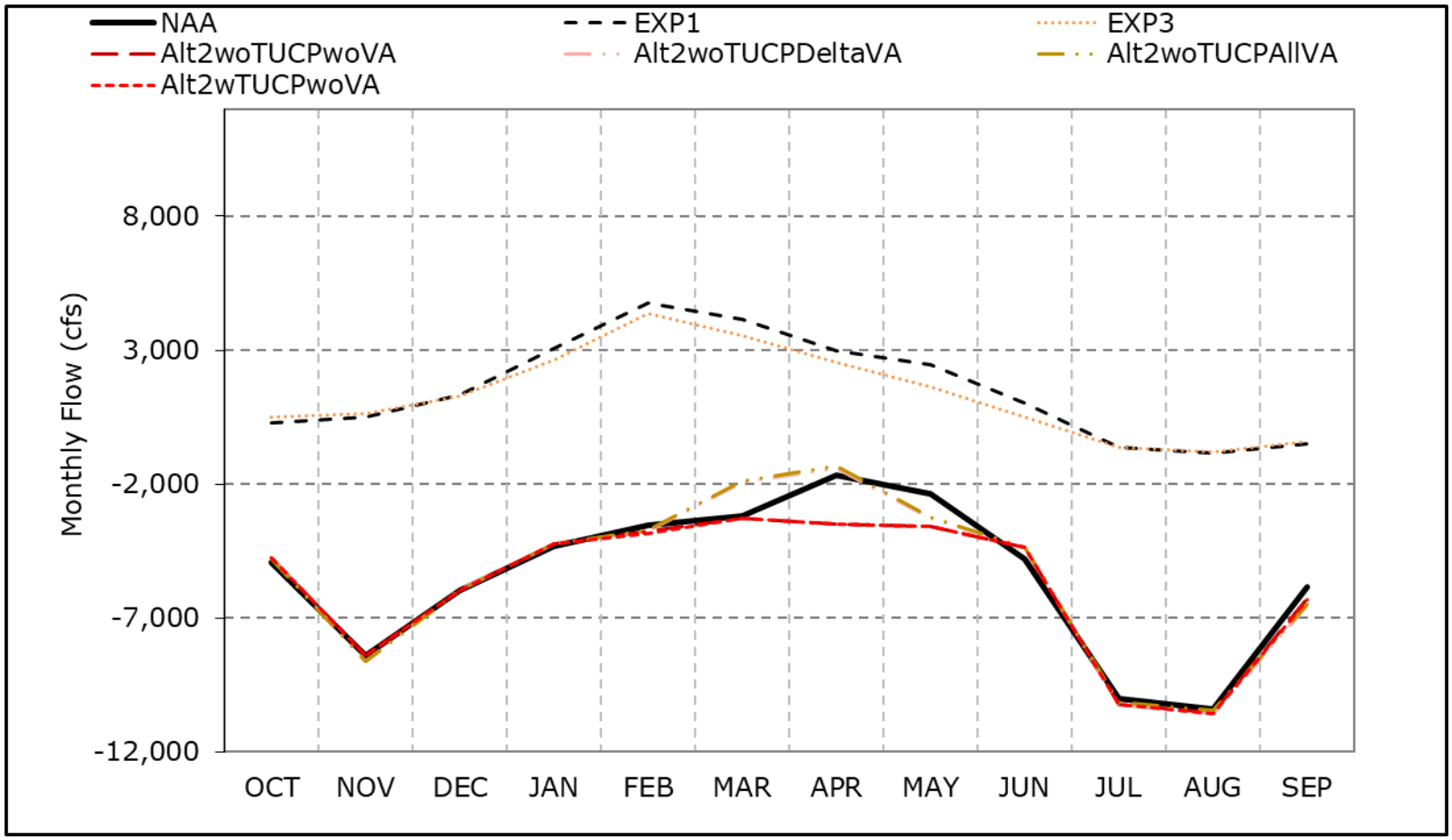
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-2. Old and Middle River Flow, Wet Year Average Flow



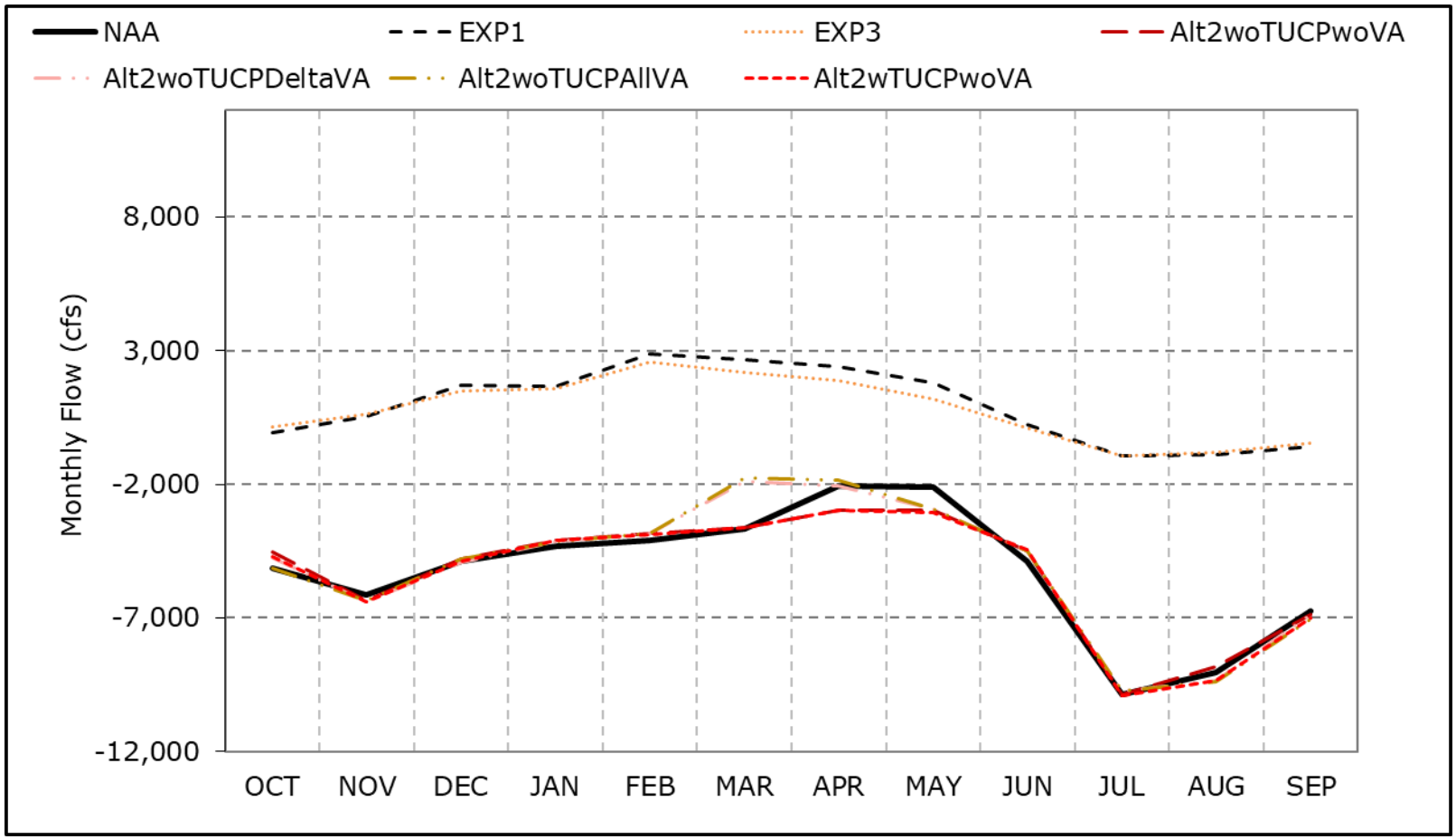
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-3. Old and Middle River Flow, Above Normal Year Average Flow



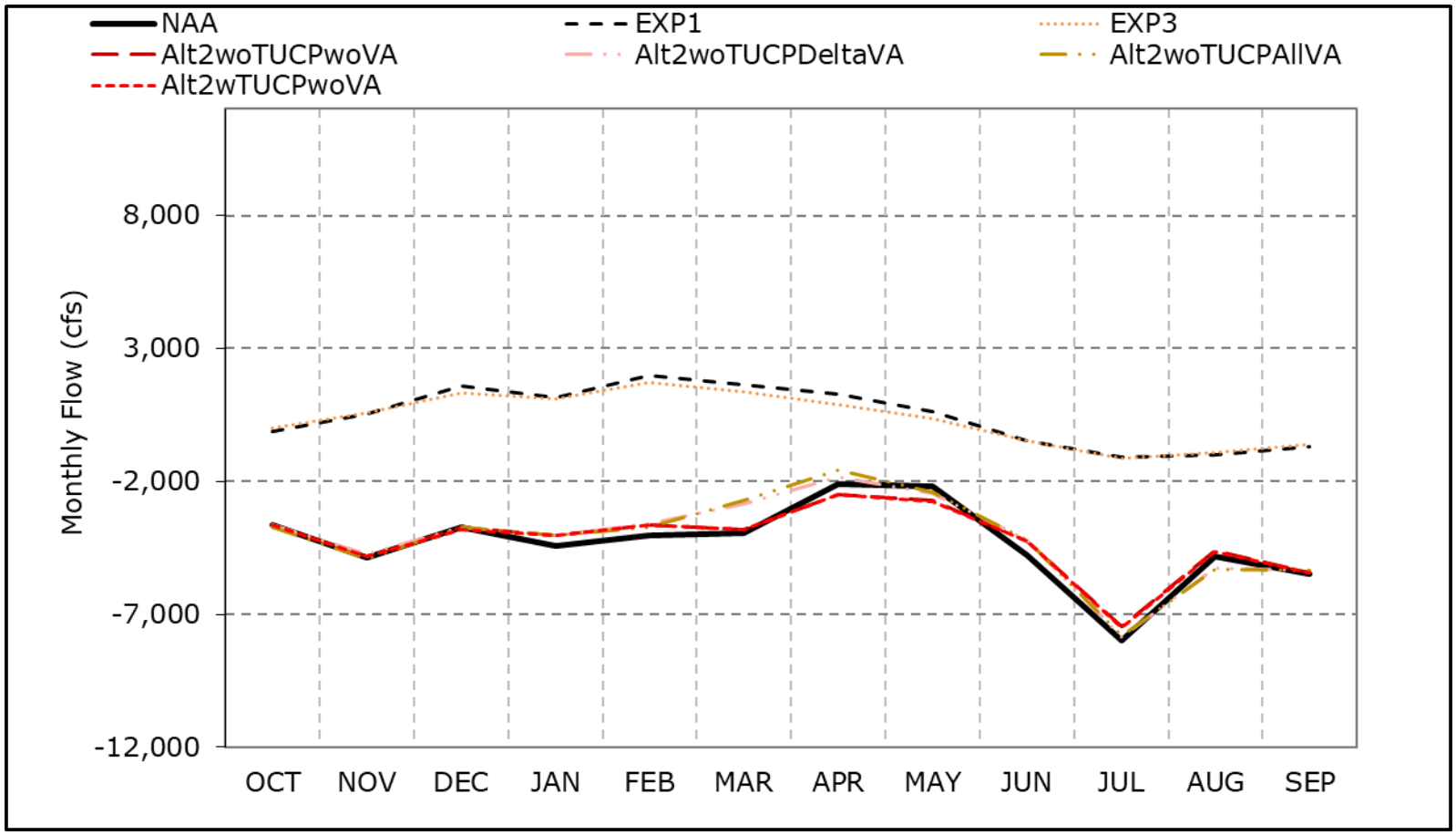
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-4. Old and Middle River Flow, Below Normal Year Average Flow



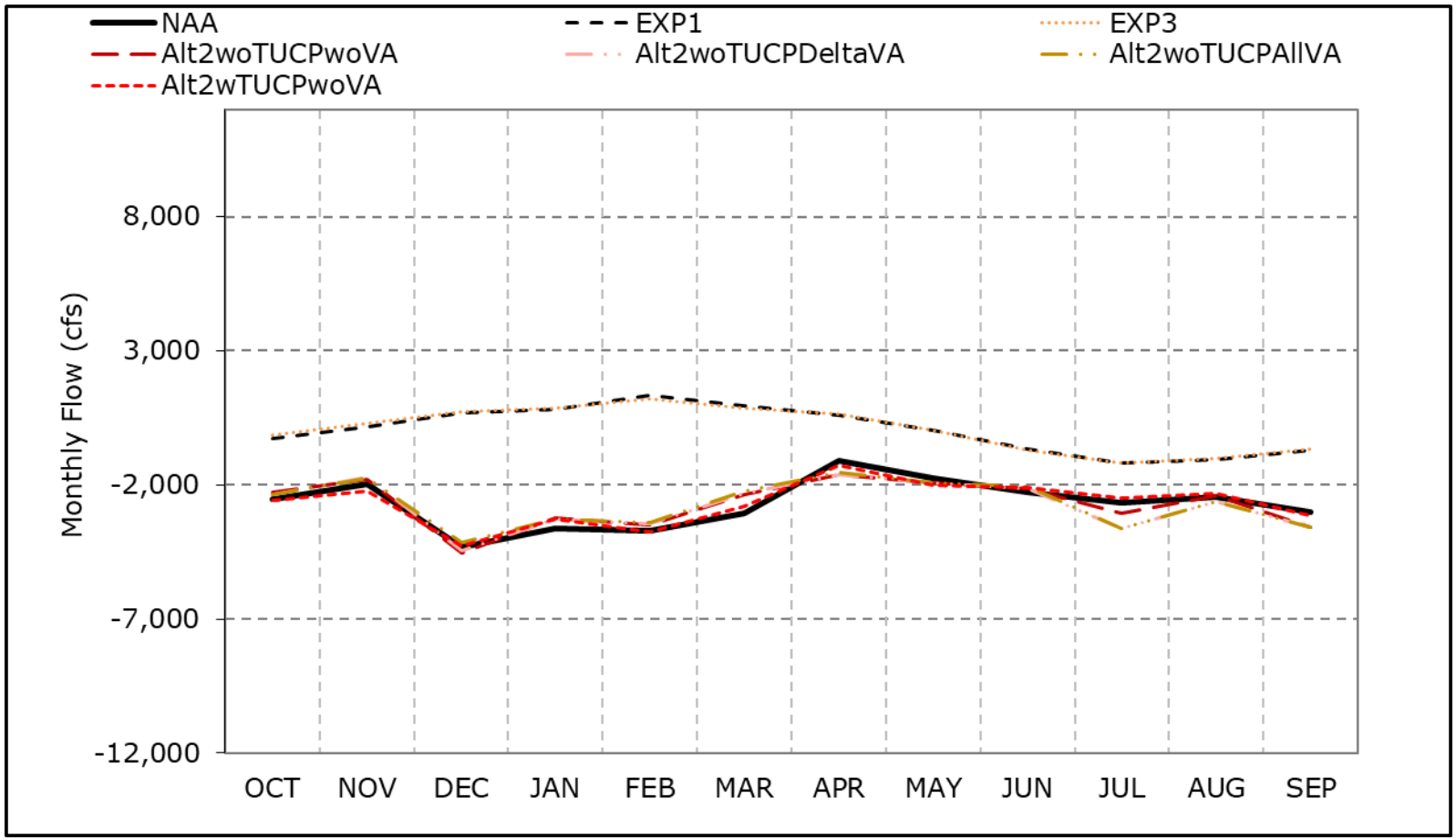
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-5. Old and Middle River Flow, Dry Year Average Flow



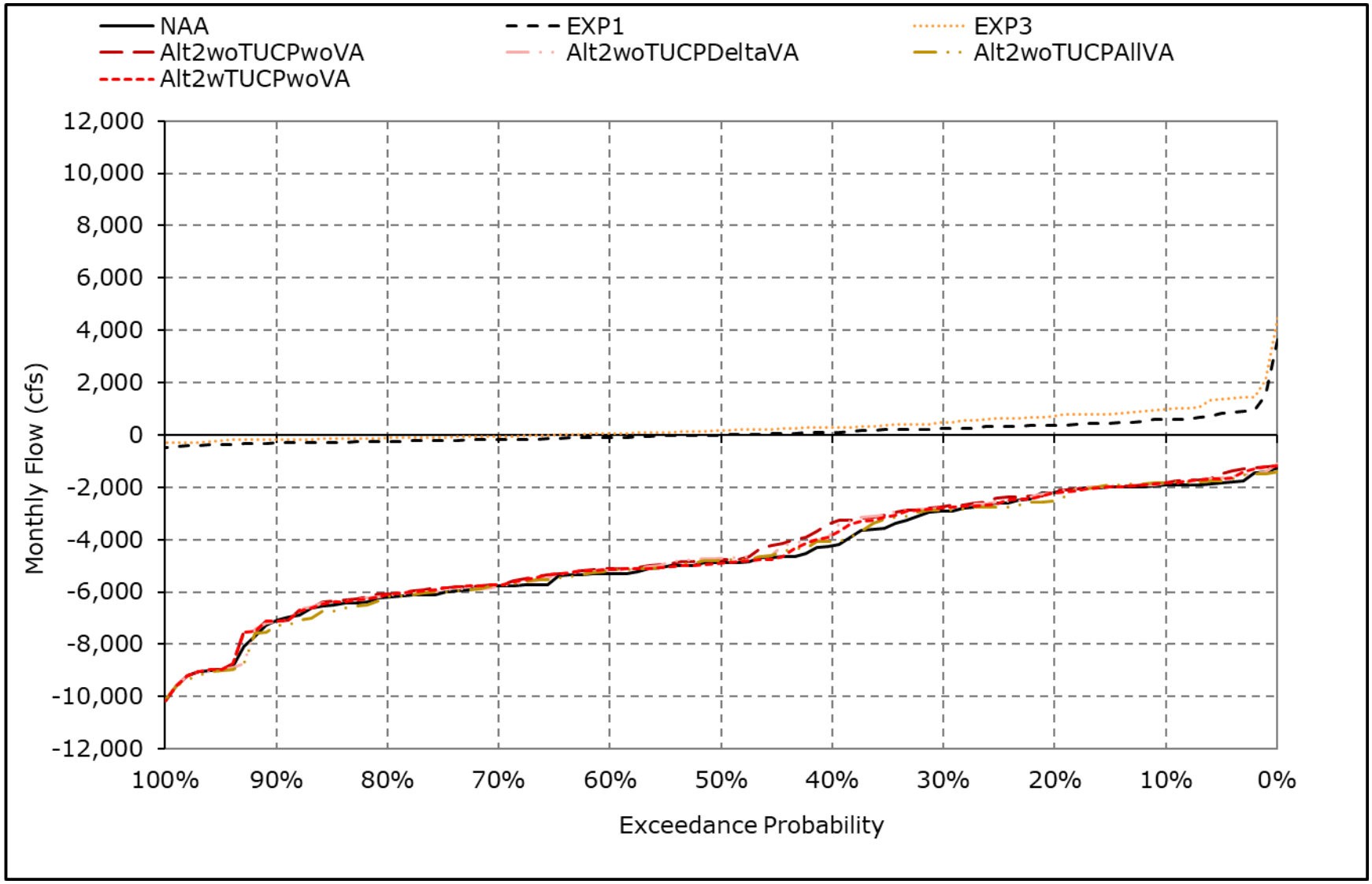
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-6. Old and Middle River Flow, Critical Year Average Flow



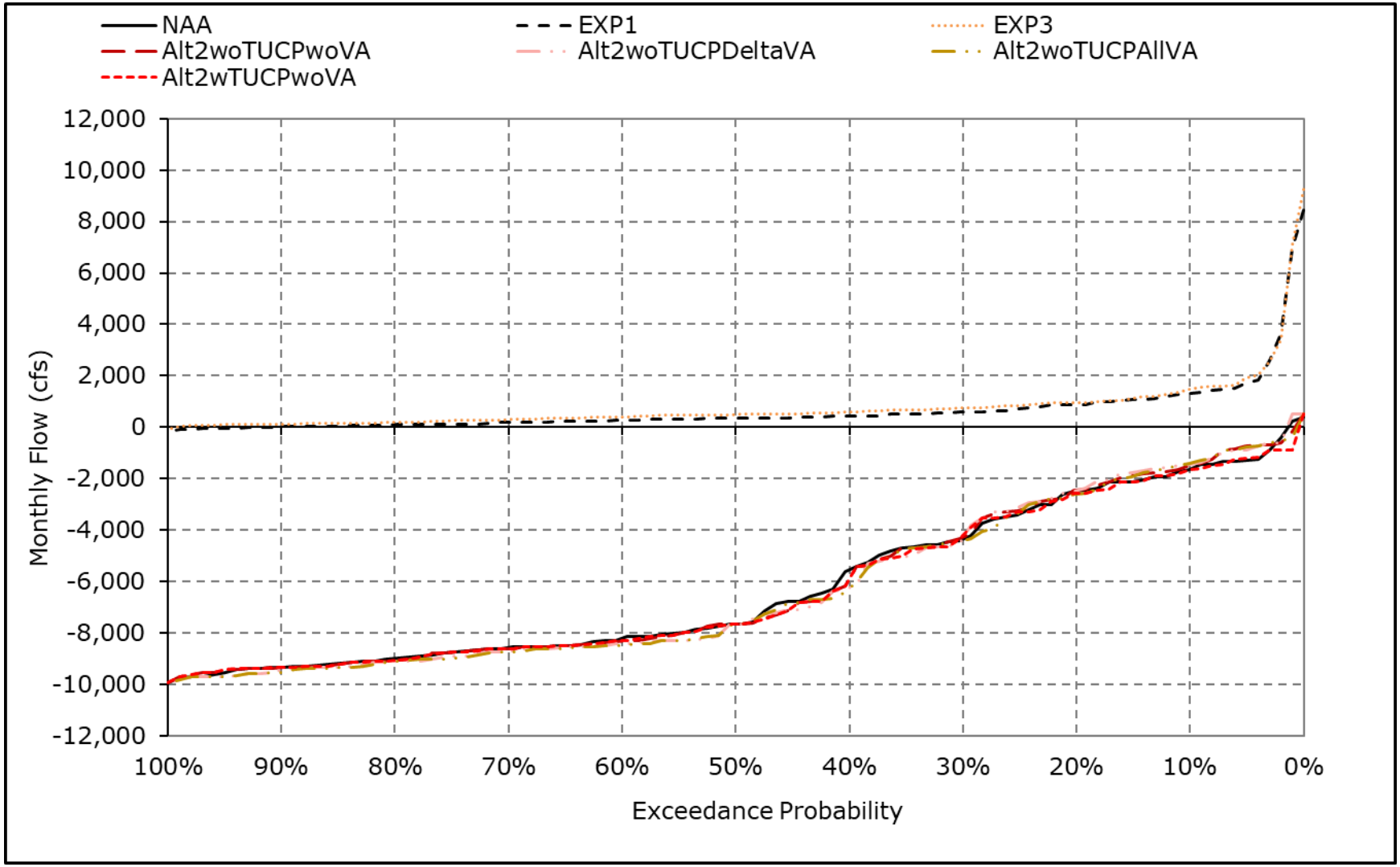
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-7. Old and Middle River Flow, October



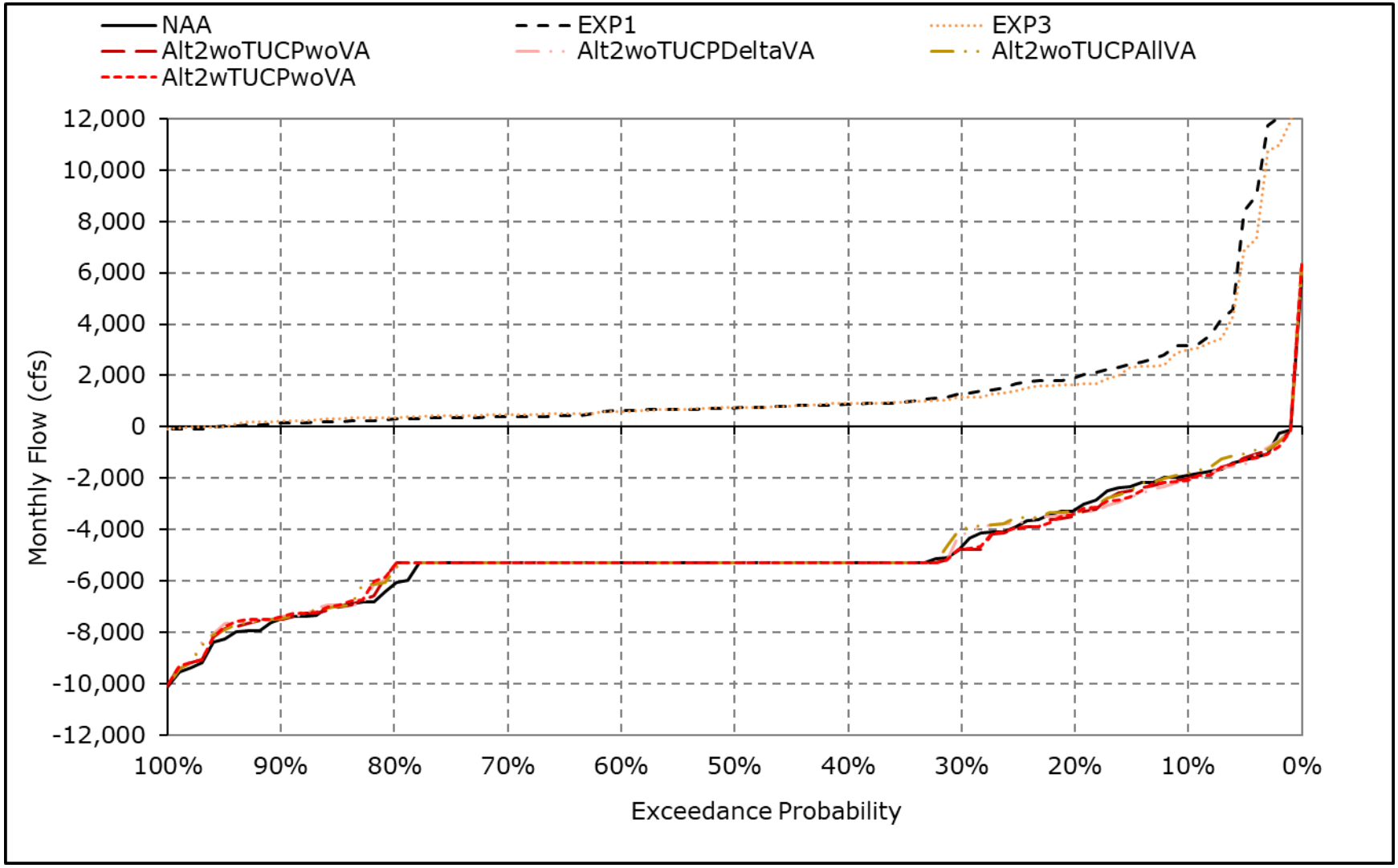
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-8. Old and Middle River Flow, November



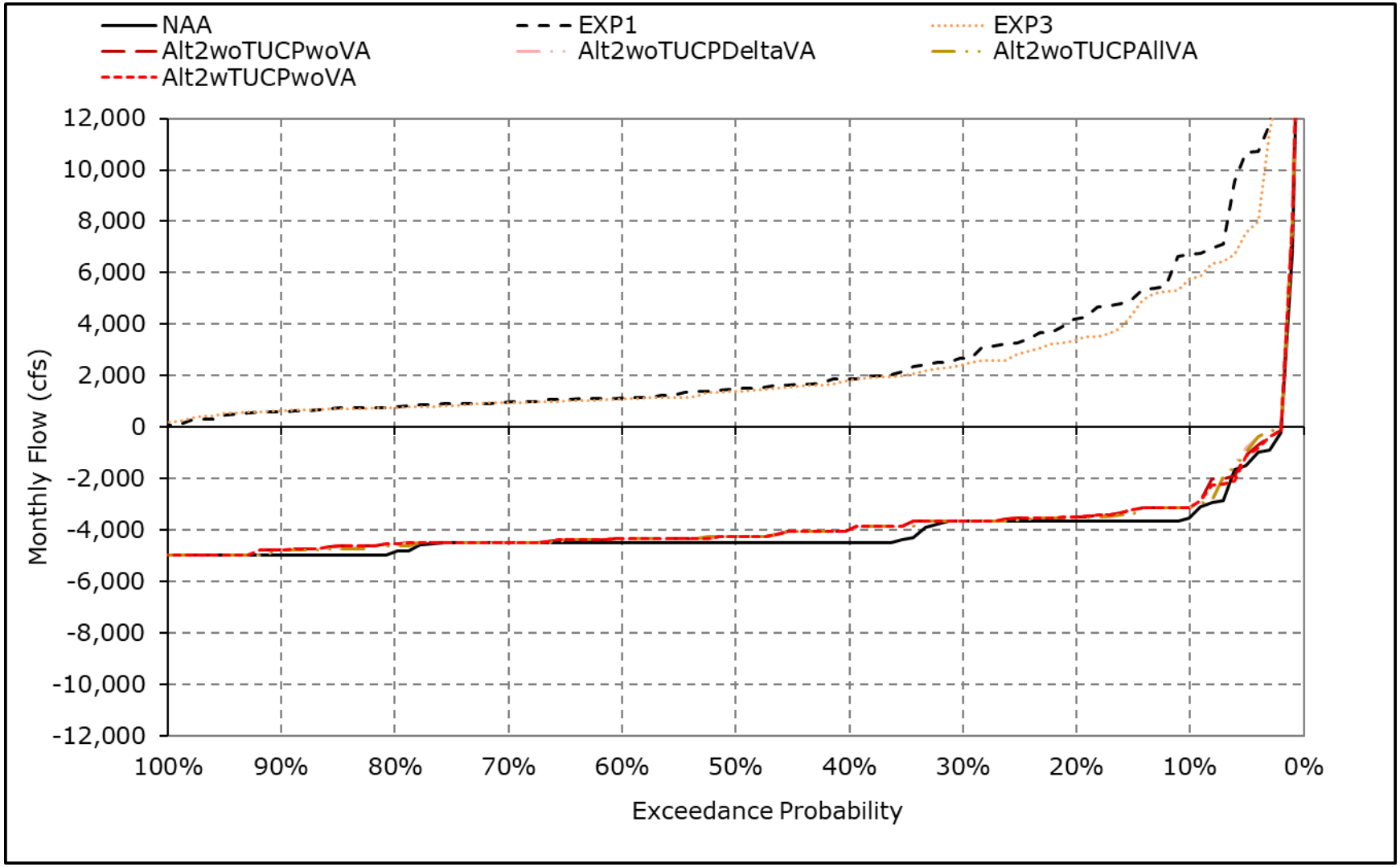
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-9. Old and Middle River Flow, December



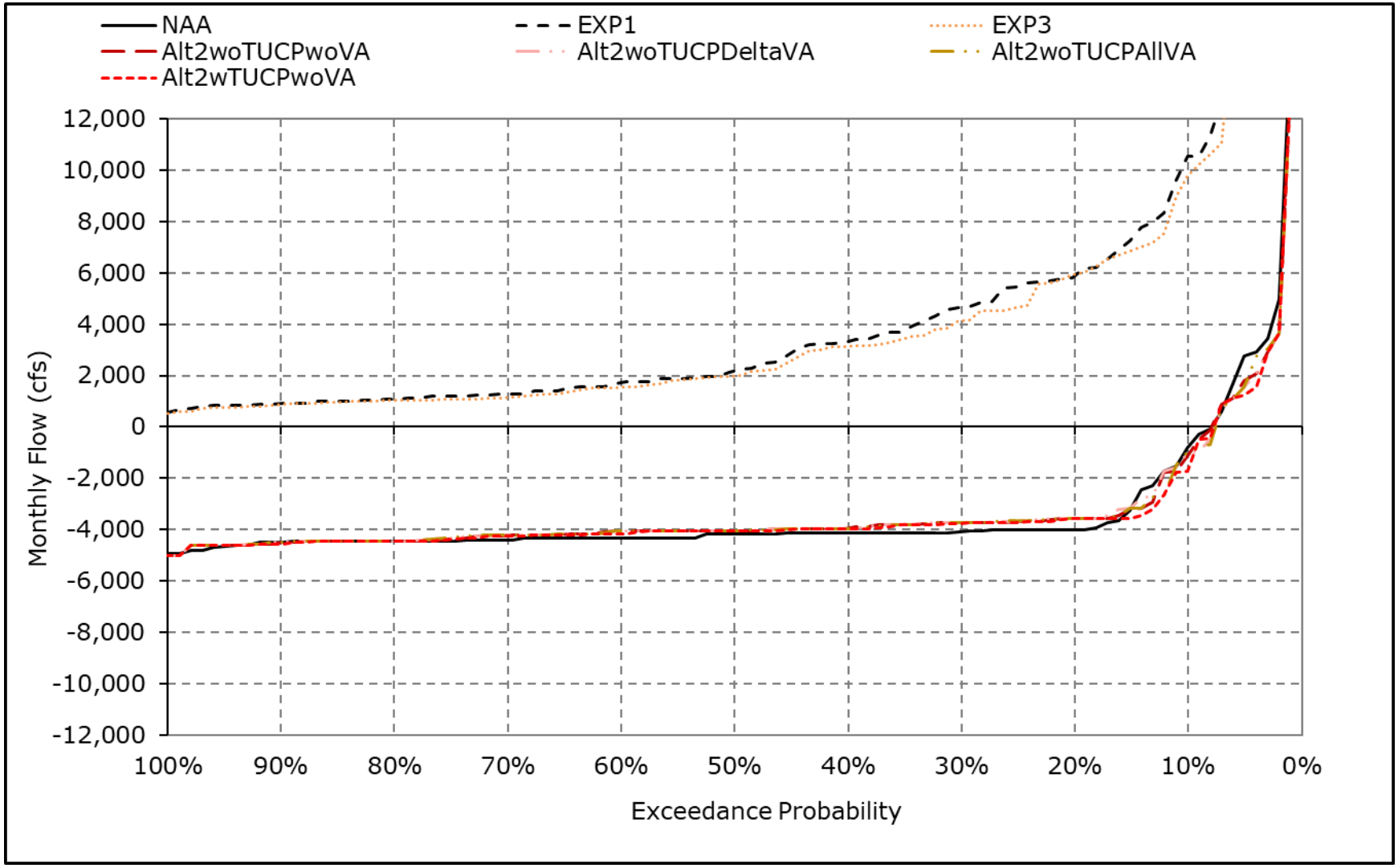
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-10. Old and Middle River Flow, January



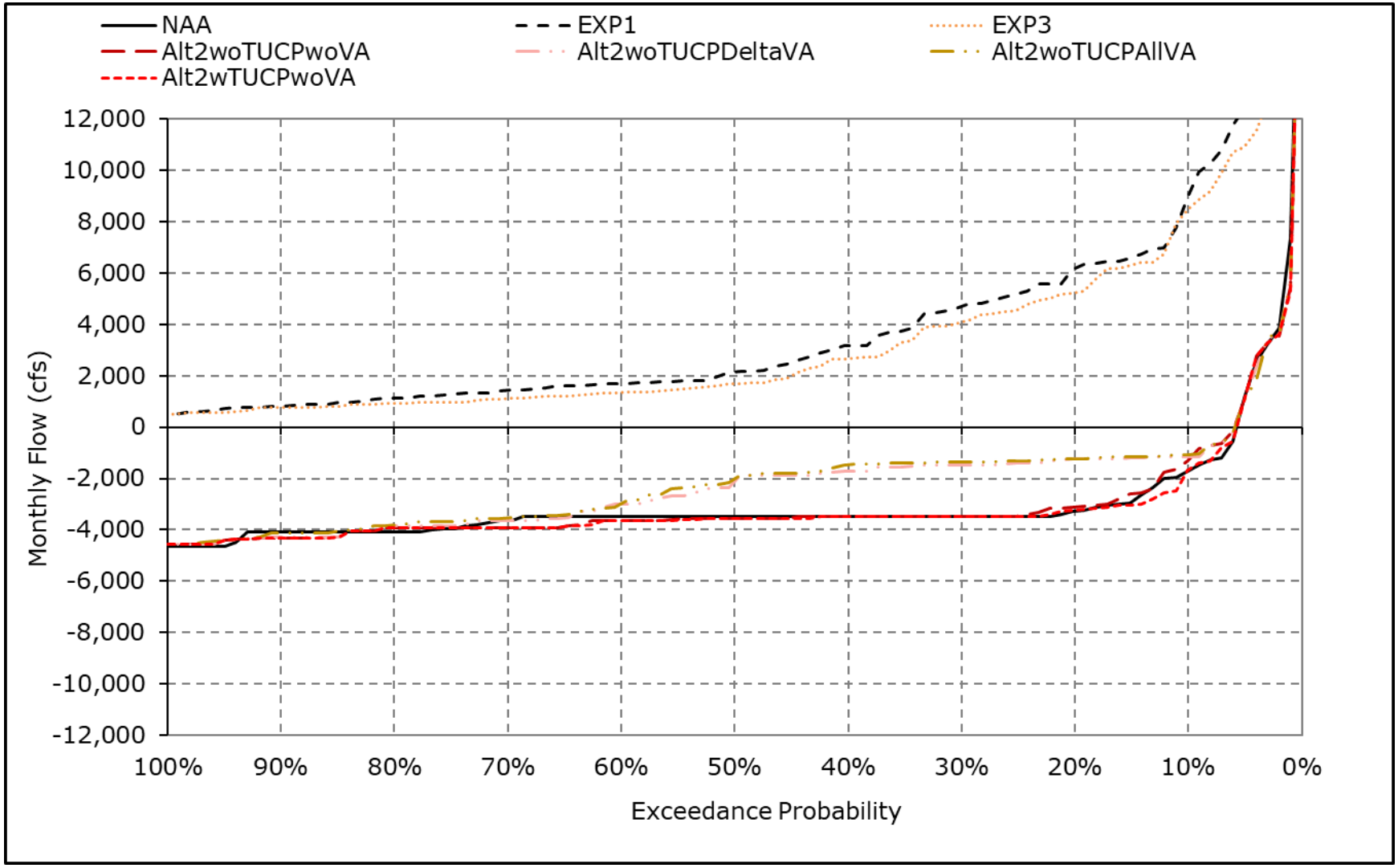
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-11. Old and Middle River Flow, February



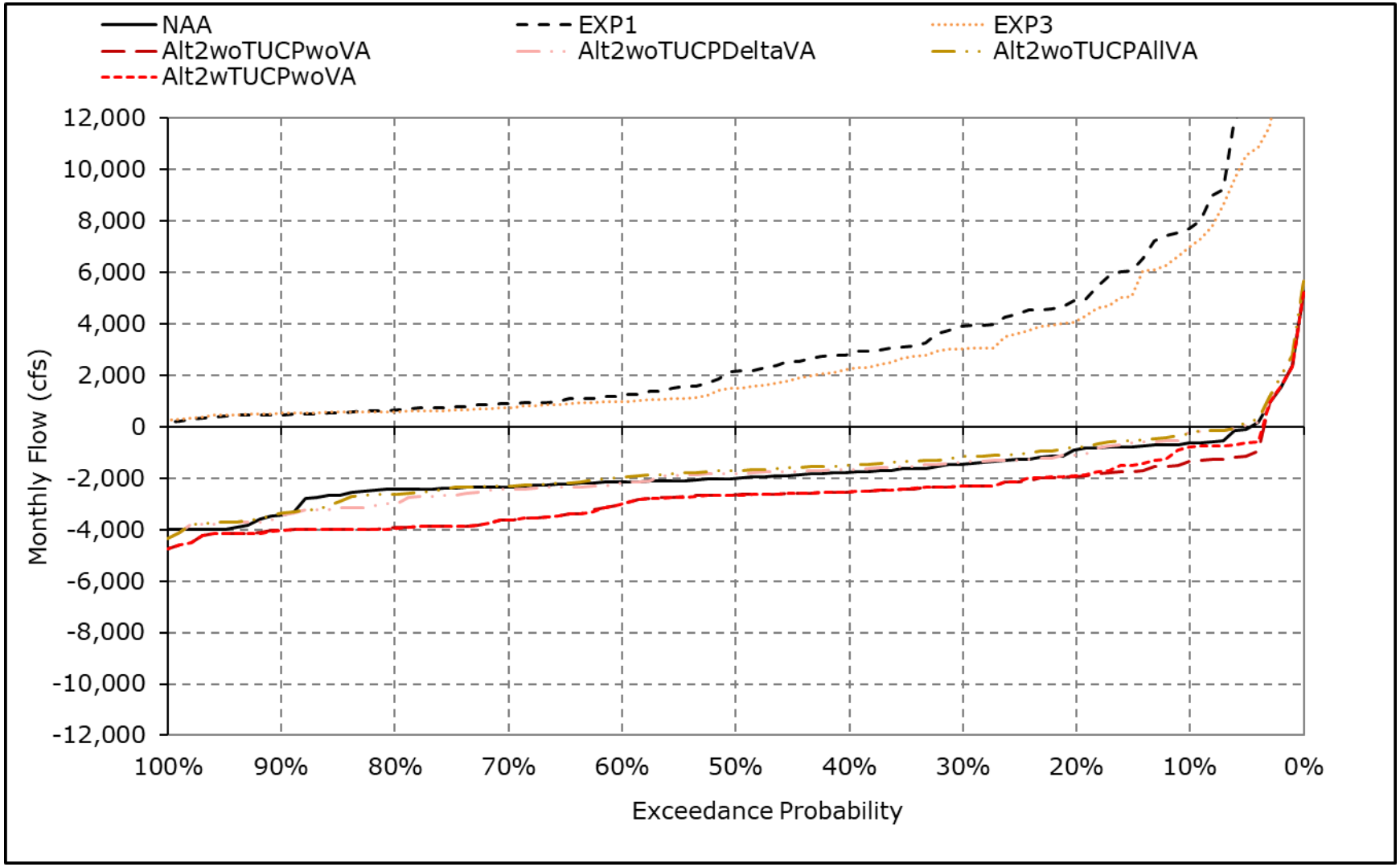
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-12. Old and Middle River Flow, March



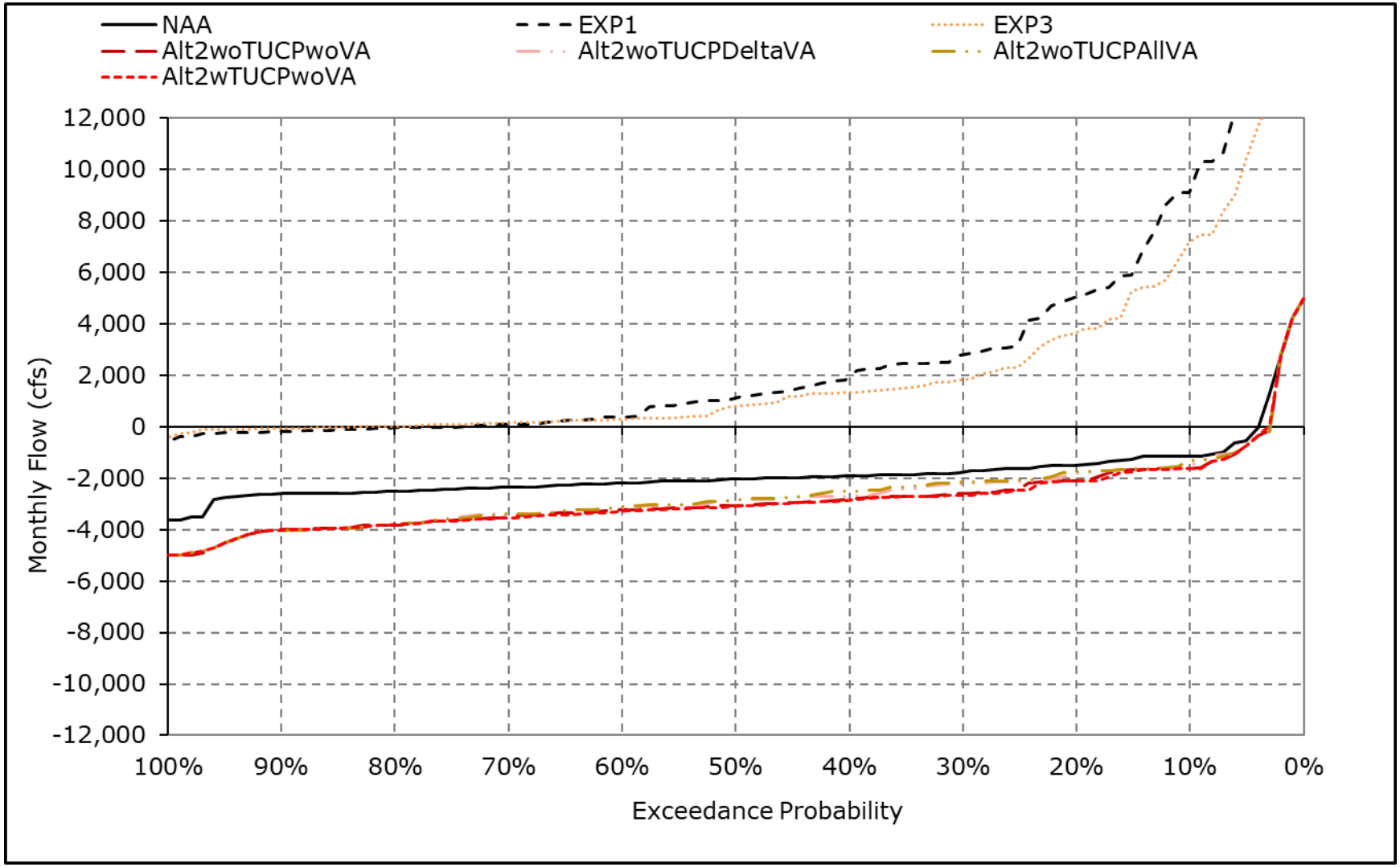
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-13. Old and Middle River Flow, April



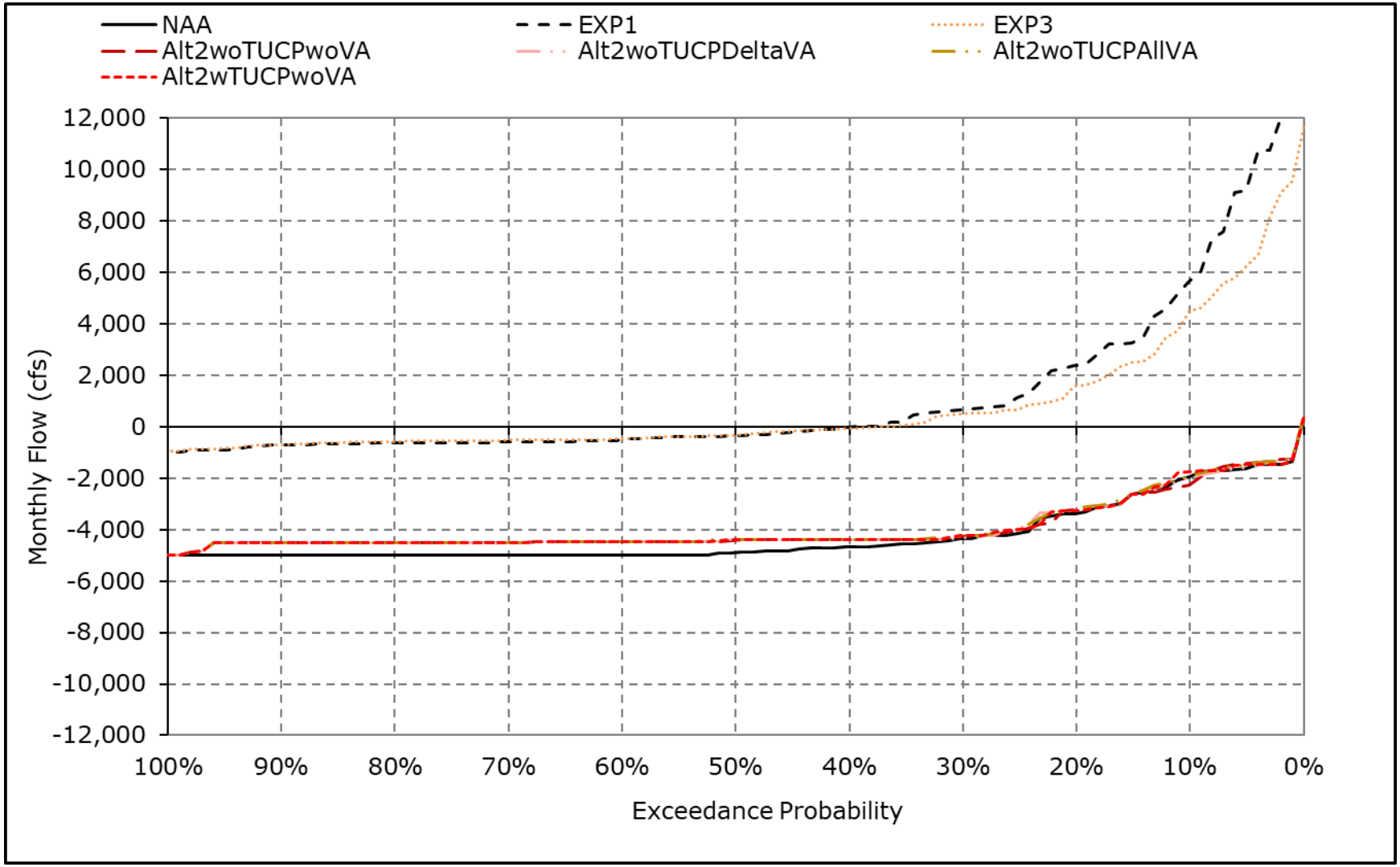
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-14. Old and Middle River Flow, May



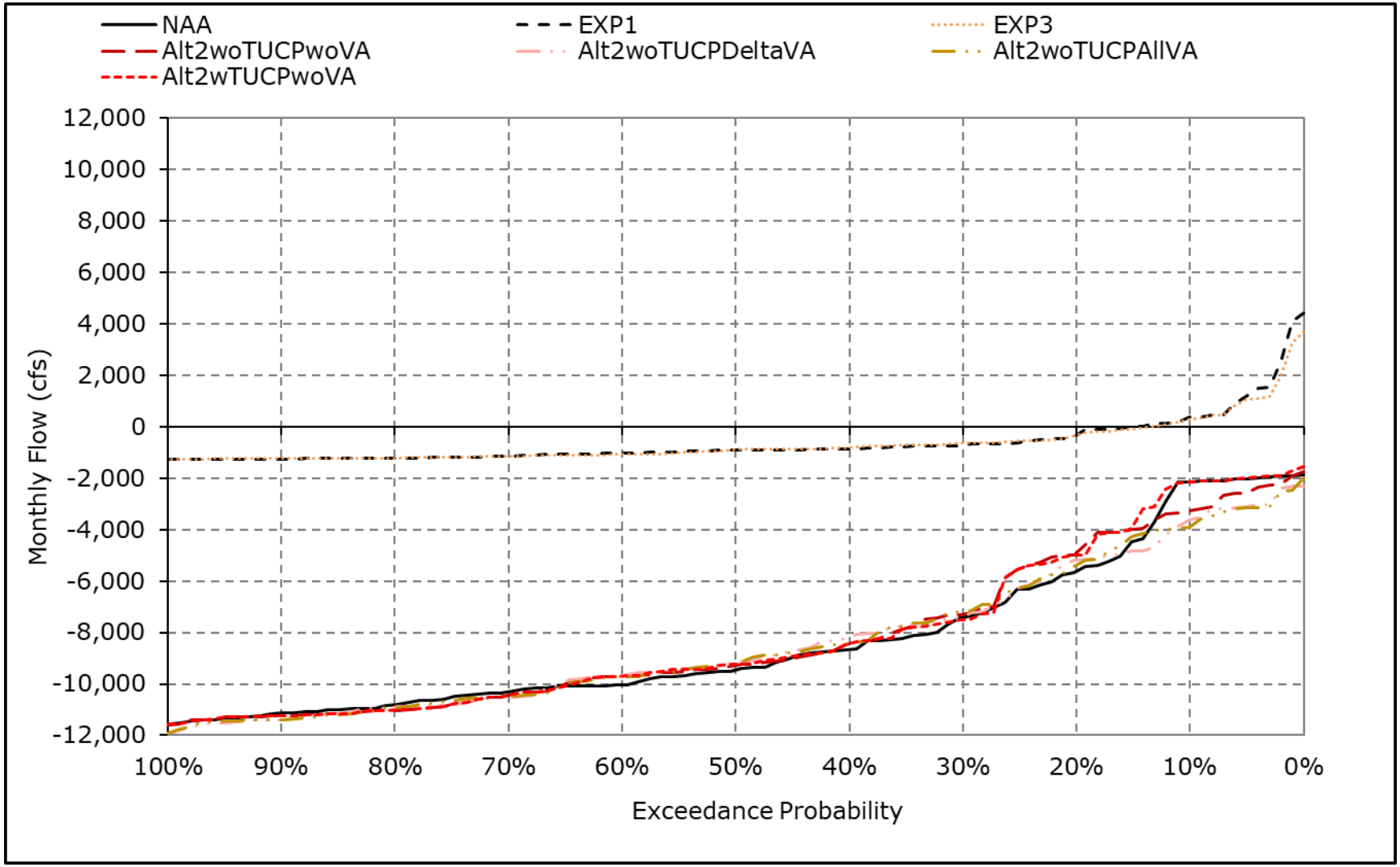
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-15. Old and Middle River Flow, June



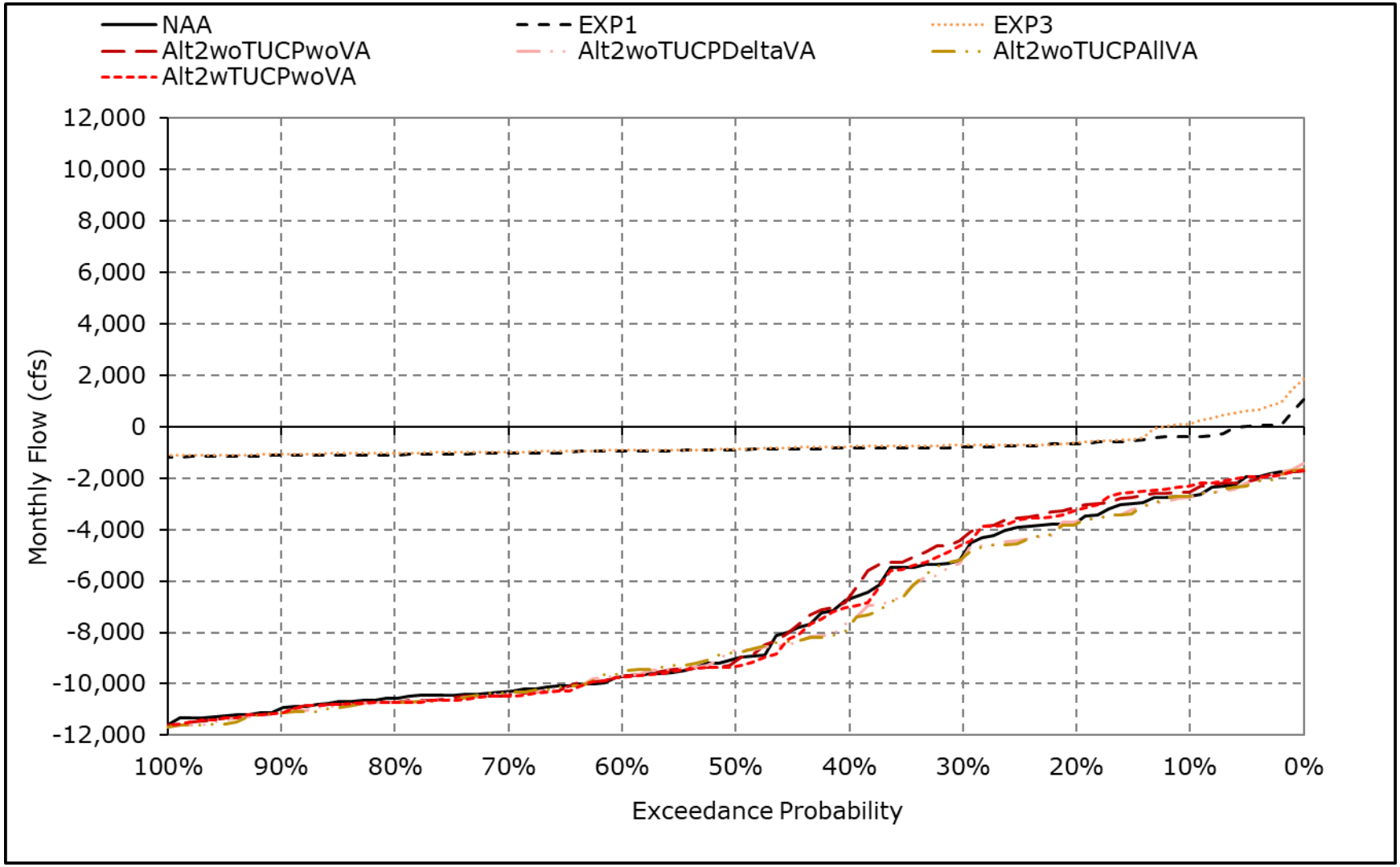
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-16. Old and Middle River Flow, July



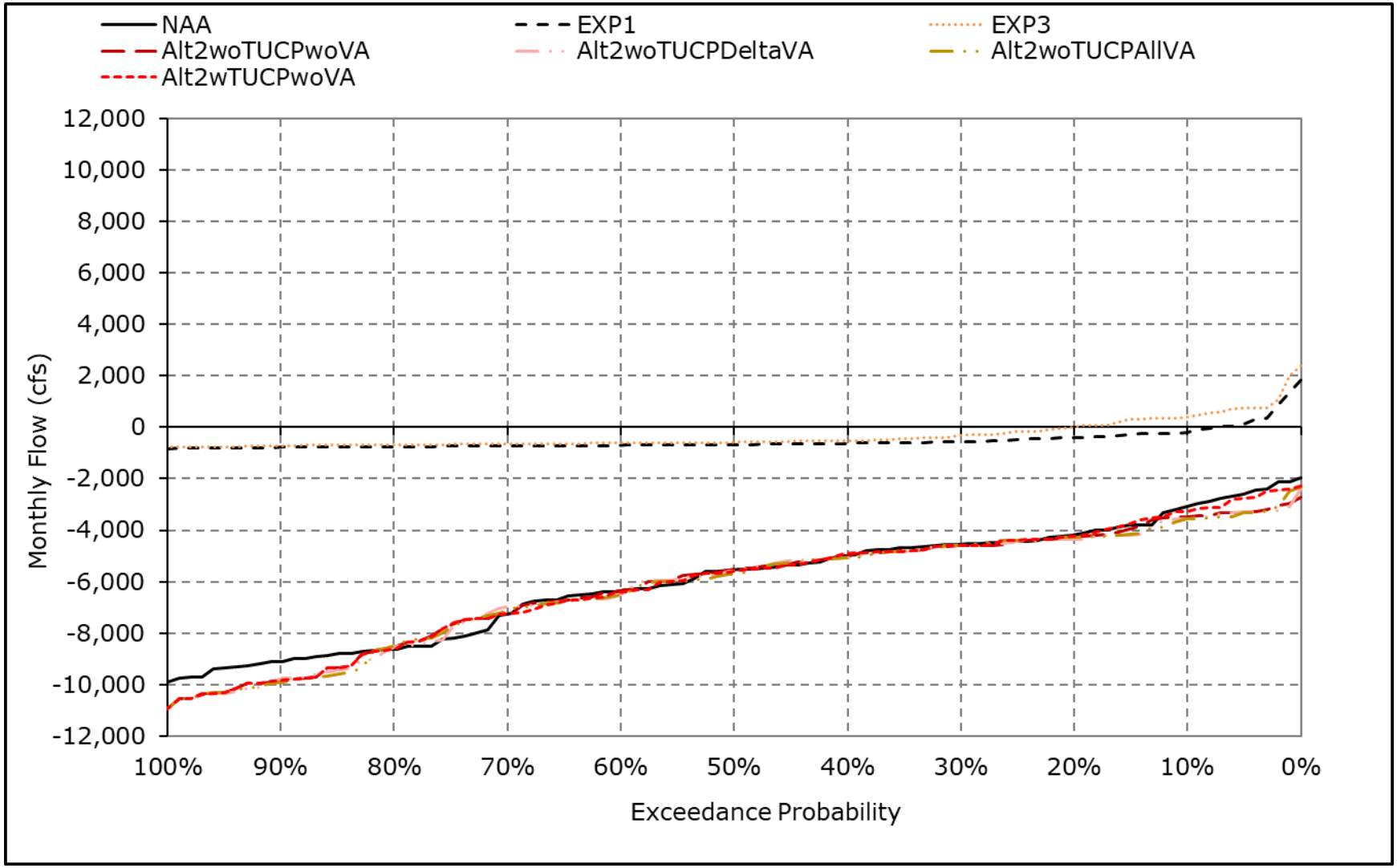
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-17. Old and Middle River Flow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-23-18. Old and Middle River Flow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table F.2.2-24-1a. Delta Outflow, NAA, 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

Table F.2.2-24-1b. Delta Outflow, Alt2woTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,026	73,559	110,350	144,250	102,046	55,783	35,203	14,121	10,155	5,943	11,250
20% Exceedance	8,520	7,658	39,915	75,217	93,416	68,845	41,260	24,173	9,890	9,174	5,771	10,938
30% Exceedance	8,125	6,942	24,032	41,363	63,443	46,436	27,180	16,046	8,997	8,486	5,581	10,796
40% Exceedance	7,875	6,322	16,203	31,480	52,337	34,739	20,638	12,373	8,093	8,007	5,440	10,375
50% Exceedance	5,578	5,865	11,685	25,378	34,732	24,543	15,728	11,024	7,535	7,699	4,000	3,548
60% Exceedance	4,630	5,482	8,308	18,419	22,837	20,642	12,648	9,670	7,100	6,003	4,000	3,192
70% Exceedance	4,001	5,002	7,021	13,254	18,818	17,614	11,242	9,213	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,517	6,050	9,763	15,372	13,523	10,256	8,418	7,021	5,000	3,500	3,000
90% Exceedance	3,225	4,500	5,071	8,026	11,145	9,694	9,369	7,100	5,322	4,000	3,000	3,000
Full Simulation Period Average[a]	6,779	8,970	26,516	44,723	58,895	44,809	26,604	16,465	9,264	7,089	4,559	6,605
Wet Water Years (28%)	8,905	12,157	30,752	97,448	122,679	90,292	53,510	29,397	13,785	9,110	5,835	11,215
Above Normal Water Years (14%)	9,234	7,872	21,151	53,724	70,758	57,238	25,731	16,133	9,633	9,659	5,912	11,223
Below Normal Water Years (18%)	5,639	6,899	31,210	25,938	30,085	26,637	18,259	13,954	8,238	7,461	4,168	3,545
Dry Water Years (24%)	5,843	9,064	30,988	14,203	28,198	19,949	13,772	10,368	7,214	5,011	3,606	3,230
Critical Water Years (16%)	3,218	6,452	11,189	11,489	15,353	12,071	8,917	6,095	5,256	4,000	3,009	3,000

Table F.2.2-24-1c. Delta Outflow, Alt2woTUCPwoVA minus NAA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	38	17	60	-1,005	-394	-407	-3,271	206	-701	-416	156
20% Exceedance	239	-25	-122	734	-934	-644	-2,939	-1,523	318	-715	-206	0
30% Exceedance	0	324	-77	-543	456	111	-1,807	-1,100	384	-548	-192	171
40% Exceedance	-94	281	-61	141	593	-474	-1,823	-1,567	369	-439	-67	63
50% Exceedance	152	213	268	-260	1,903	259	-1,068	-884	413	-301	-261	-332
60% Exceedance	60	152	6	-245	114	147	-1,262	-1,167	0	-291	0	-380
70% Exceedance	-51	104	-74	1,644	290	-56	-430	-524	0	-141	-243	-394
80% Exceedance	0	17	-129	570	481	658	-95	-437	546	0	0	-8
90% Exceedance	225	0	-232	540	0	1,307	1,795	1,870	1,340	988	0	0
Full Simulation Period Average[a]	139	172	167	509	278	-39	-517	-1,035	398	-274	-153	-93
Wet Water Years (28%)	-13	102	16	550	-30	-605	-1,076	-1,791	230	-300	-174	-79
Above Normal Water Years (14%)	570	-1	-98	561	-246	-1,254	-2,128	-1,320	470	-1,023	-375	268
Below Normal Water Years (18%)	273	152	421	174	712	213	-990	-1,422	466	-660	24	-135
Dry Water Years (24%)	-44	50	581	632	630	110	-362	-478	24	-222	-220	17
Critical Water Years (16%)	124	694	-255	586	258	1,511	2,172	134	1,115	783	-22	-554

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-2a. Delta Outflow, NAA, 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

Table F.2.2-24-2b. Delta Outflow, Alt2woTUCPDeltaVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,012	73,551	110,433	144,229	102,041	59,408	35,008	14,129	10,466	5,977	11,250
20% Exceedance	8,500	7,503	39,787	76,163	93,391	69,914	43,587	24,119	9,645	9,154	5,742	10,938
30% Exceedance	8,125	6,928	24,001	41,286	64,322	46,972	29,388	15,870	8,990	8,573	5,581	10,802
40% Exceedance	7,813	6,392	16,191	31,455	52,171	36,097	22,361	12,254	8,031	8,076	5,440	10,531
50% Exceedance	5,605	5,748	11,255	25,232	34,871	26,687	17,332	10,774	7,611	7,755	4,000	3,652
60% Exceedance	4,629	5,381	8,313	18,421	22,858	22,672	13,759	9,808	7,109	6,064	4,000	3,164
70% Exceedance	4,000	5,013	7,290	12,427	18,624	17,669	11,627	9,011	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,629	6,415	9,463	14,864	14,263	10,612	8,425	6,880	5,000	3,500	3,000
90% Exceedance	3,120	4,500	4,940	7,413	11,167	10,890	9,220	7,092	5,336	4,000	3,000	3,000
Full Simulation Period Average[a]	6,758	8,932	26,439	44,569	58,807	45,715	27,456	16,505	9,217	7,151	4,553	6,626
Wet Water Years (28%)	8,891	12,132	30,726	97,147	122,561	90,594	54,512	29,324	13,763	9,178	5,830	11,223
Above Normal Water Years (14%)	9,229	7,805	21,186	53,869	70,766	58,720	27,927	16,392	9,427	9,902	5,910	11,231
Below Normal Water Years (18%)	5,630	6,918	31,010	25,804	29,836	28,581	19,029	13,835	8,212	7,485	4,182	3,591
Dry Water Years (24%)	5,810	8,989	30,874	14,006	28,332	21,020	14,324	10,558	7,184	5,032	3,580	3,271
Critical Water Years (16%)	3,173	6,408	11,108	11,375	15,079	12,115	8,877	6,097	5,256	4,000	3,009	3,000

Table F.2.2-24-2c. Delta Outflow, Alt2woTUCPDeltaVA minus NAA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	24	9	143	-1,026	-399	3,217	-3,466	213	-389	-382	156
20% Exceedance	219	-180	-250	1,679	-958	426	-612	-1,578	73	-735	-235	0
30% Exceedance	0	310	-108	-620	1,336	646	402	-1,276	377	-462	-192	177
40% Exceedance	-156	351	-73	116	427	884	-100	-1,686	308	-371	-67	219
50% Exceedance	179	96	-162	-405	2,042	2,403	536	-1,135	489	-245	-261	-228
60% Exceedance	59	50	11	-243	135	2,177	-151	-1,029	9	-231	0	-407
70% Exceedance	-51	115	196	816	97	-1	-45	-726	0	-141	-243	-394
80% Exceedance	0	129	236	270	-27	1,399	261	-430	405	0	0	-8
90% Exceedance	120	0	-363	-73	22	2,503	1,646	1,861	1,354	988	0	0
Full Simulation Period Average[a]	118	134	89	355	189	868	336	-995	351	-212	-158	-72
Wet Water Years (28%)	-28	77	-10	249	-149	-303	-75	-1,864	207	-232	-179	-71
Above Normal Water Years (14%)	565	-67	-63	705	-238	227	67	-1,061	264	-780	-377	276
Below Normal Water Years (18%)	264	172	221	40	463	2,158	-219	-1,541	441	-636	38	-89
Dry Water Years (24%)	-77	-25	468	435	765	1,181	190	-288	-7	-200	-246	58
Critical Water Years (16%)	79	650	-336	472	-16	1,555	2,132	136	1,115	783	-21	-554

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-3a. Delta Outflow, NAA, 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

Table F.2.2-24-3b. Delta Outflow, Alt2woTUCPAllVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	13,962	73,535	110,640	144,373	102,488	59,549	35,190	13,903	10,652	5,975	11,250
20% Exceedance	8,500	7,640	39,769	76,760	93,286	70,117	44,989	25,222	9,362	9,280	5,722	10,938
30% Exceedance	8,125	6,946	24,119	41,279	64,218	47,198	30,608	16,189	8,619	8,570	5,581	10,781
40% Exceedance	7,813	6,300	16,164	31,679	52,445	36,121	23,363	14,367	7,828	8,204	5,440	10,531
50% Exceedance	5,491	5,776	11,538	25,407	35,175	26,790	19,971	11,974	7,220	7,852	4,000	3,672
60% Exceedance	4,818	5,356	8,814	18,428	22,878	22,982	15,480	10,588	7,105	6,041	4,000	3,295
70% Exceedance	4,151	5,013	7,463	12,384	18,536	18,048	13,716	9,436	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,589	6,266	9,487	15,105	14,475	11,600	8,794	6,673	5,000	3,500	3,000
90% Exceedance	3,375	4,500	5,028	7,618	11,190	11,185	10,027	7,312	5,093	4,000	3,000	3,000
Full Simulation Period Average[a]	6,775	8,980	26,596	44,602	58,857	45,813	28,789	17,218	9,059	7,231	4,555	6,636
Wet Water Years (28%)	8,905	12,105	30,703	97,205	122,554	90,441	54,839	29,487	13,718	9,219	5,838	11,217
Above Normal Water Years (14%)	9,239	7,880	21,248	54,165	70,915	58,712	29,979	17,804	9,136	10,146	5,927	11,186
Below Normal Water Years (18%)	5,566	7,024	31,134	25,837	29,921	28,720	21,653	15,045	7,798	7,687	4,144	3,681
Dry Water Years (24%)	5,884	9,280	31,224	14,013	28,374	21,376	16,015	11,273	7,057	5,024	3,590	3,277
Critical Water Years (16%)	3,212	6,114	11,428	11,175	15,115	12,313	9,351	6,597	5,256	4,000	3,020	3,000

Table F.2.2-24-3c. Delta Outflow, Alt2woTUCPAllVA minus NAA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	-26	-8	350	-882	48	3,358	-3,284	-13	-203	-384	156
20% Exceedance	219	-43	-268	2,276	-1,064	629	790	-474	-210	-609	-255	0
30% Exceedance	0	327	10	-627	1,231	872	1,621	-957	6	-465	-192	156
40% Exceedance	-156	260	-101	340	701	908	902	427	104	-242	-67	219
50% Exceedance	65	125	122	-230	2,346	2,507	3,175	65	98	-148	-261	-208
60% Exceedance	247	26	512	-236	155	2,487	1,571	-248	5	-253	0	-276
70% Exceedance	99	115	368	774	9	378	2,043	-300	0	-141	-243	-394
80% Exceedance	0	89	87	294	214	1,611	1,249	-61	198	0	0	-8
90% Exceedance	375	0	-275	132	46	2,799	2,453	2,081	1,111	988	0	0
Full Simulation Period Average[a]	135	183	247	389	239	966	1,669	-282	193	-131	-157	-62
Wet Water Years (28%)	-14	50	-33	307	-156	-457	253	-1,701	163	-191	-172	-77
Above Normal Water Years (14%)	575	8	-1	1,001	-89	219	2,120	352	-27	-536	-360	230
Below Normal Water Years (18%)	199	277	345	72	548	2,296	2,405	-331	27	-434	-1	2
Dry Water Years (24%)	-3	267	817	443	806	1,538	1,881	427	-133	-209	-236	64
Critical Water Years (16%)	118	357	-16	272	20	1,753	2,606	636	1,115	783	-10	-554

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-4a. Delta Outflow, NAA, 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

Table F.2.2-24-4b. Delta Outflow, Alt2wTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,034	73,864	110,359	144,137	102,097	55,805	35,234	14,130	10,154	5,943	11,250
20% Exceedance	8,526	7,644	39,950	77,890	93,412	68,919	41,267	24,171	9,888	9,133	5,771	10,938
30% Exceedance	8,125	6,680	24,039	41,249	63,895	46,462	27,197	16,046	8,997	8,486	5,581	10,796
40% Exceedance	7,875	6,059	16,214	31,913	52,349	34,755	20,634	12,494	8,030	8,007	5,440	10,375
50% Exceedance	5,595	5,700	12,359	25,392	34,758	24,528	15,730	11,052	7,372	7,698	4,000	3,857
60% Exceedance	4,606	5,389	8,239	18,501	22,843	20,644	12,647	9,829	7,100	6,002	4,000	3,500
70% Exceedance	4,001	4,991	6,997	13,632	18,829	17,403	11,190	9,253	7,100	5,000	3,500	3,282
80% Exceedance	4,000	4,500	6,133	9,933	15,242	12,836	10,039	8,418	6,910	5,000	3,500	3,002
90% Exceedance	3,000	4,500	5,276	8,051	10,886	8,384	7,801	6,443	4,195	3,021	3,000	3,000
Full Simulation Period Average[a]	6,756	8,889	26,588	44,925	58,853	44,716	26,310	16,458	9,102	6,975	4,564	6,698
Wet Water Years (28%)	8,905	12,158	30,759	97,587	122,721	90,332	53,530	29,419	13,787	9,107	5,834	11,215
Above Normal Water Years (14%)	9,234	7,875	21,155	54,034	70,788	58,205	25,786	16,143	9,637	9,654	5,912	11,223
Below Normal Water Years (18%)	5,615	6,892	31,151	26,054	30,179	26,662	18,328	13,953	8,244	7,485	4,179	3,609
Dry Water Years (24%)	5,847	9,078	30,906	14,193	28,327	19,946	13,777	10,378	7,214	5,011	3,606	3,231
Critical Water Years (16%)	3,092	5,898	11,853	12,125	14,690	10,552	6,916	5,990	4,232	3,274	3,030	3,506

Table F.2.2-24-4c. Delta Outflow, Alt2wTUCPwoVA minus NAA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	46	322	69	-1,118	-343	-385	-3,240	215	-702	-416	156
20% Exceedance	244	-39	-87	3,406	-938	-569	-2,932	-1,525	316	-757	-206	0
30% Exceedance	0	62	-69	-657	909	136	-1,790	-1,100	384	-549	-192	171
40% Exceedance	-94	18	-51	574	605	-458	-1,827	-1,446	307	-439	-67	63
50% Exceedance	169	49	943	-245	1,929	245	-1,065	-857	251	-302	-261	-23
60% Exceedance	36	59	-63	-163	120	150	-1,263	-1,008	0	-292	0	-72
70% Exceedance	-51	93	-97	2,021	302	-267	-482	-484	0	-141	-243	-112
80% Exceedance	0	0	-46	739	351	-28	-312	-437	435	0	0	-5
90% Exceedance	0	0	-27	565	-259	-2	227	1,213	213	9	0	0
Full Simulation Period Average[a]	117	92	239	712	235	-131	-810	-1,042	237	-387	-148	0
Wet Water Years (28%)	-13	102	23	690	11	-566	-1,057	-1,770	231	-303	-175	-79
Above Normal Water Years (14%)	570	2	-94	870	-216	-288	-2,073	-1,310	474	-1,028	-375	268
Below Normal Water Years (18%)	248	145	362	290	807	238	-921	-1,422	473	-636	35	-70
Dry Water Years (24%)	-40	65	500	622	759	108	-357	-467	23	-222	-220	18
Critical Water Years (16%)	-3	140	409	1,222	-405	-8	171	29	91	57	0	-48

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-5a. Delta Outflow, NAA, 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

Table F.2.2-24-5b. Delta Outflow, EXP3, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,810	25,185	117,378	128,226	163,252	118,751	70,934	49,017	22,226	8,000	8,070	11,860
20% Exceedance	10,500	19,040	70,509	92,407	110,285	86,409	51,559	30,662	13,884	8,000	6,046	10,388
30% Exceedance	9,670	16,094	50,062	53,120	83,164	63,486	35,750	22,316	9,550	8,000	5,026	9,009
40% Exceedance	9,142	13,958	34,801	44,813	65,945	45,877	28,383	16,098	7,948	8,000	4,500	8,557
50% Exceedance	8,480	12,146	28,288	34,184	45,830	38,058	20,048	13,334	6,433	6,500	4,134	7,773
60% Exceedance	7,645	11,248	23,699	26,209	31,691	29,165	13,979	10,923	5,046	5,900	4,000	7,327
70% Exceedance	7,092	10,163	18,116	19,414	25,700	24,395	11,642	8,993	4,000	5,000	3,500	7,029
80% Exceedance	6,071	9,260	12,688	15,371	19,871	17,014	10,208	8,039	4,000	5,000	3,500	6,698
90% Exceedance	5,517	6,953	9,489	12,823	14,888	12,761	8,930	6,890	4,000	4,000	3,000	5,869
Full Simulation Period Average[a]	9,109	16,160	45,989	55,694	71,291	54,819	31,900	20,737	10,174	6,688	4,918	8,538
Wet Water Years (28%)	10,897	21,996	57,498	114,296	138,712	101,729	64,506	39,004	19,803	9,415	7,186	11,027
Above Normal Water Years (14%)	9,673	15,959	44,714	68,067	88,846	71,275	32,324	20,860	10,343	8,000	5,272	8,705
Below Normal Water Years (18%)	8,740	13,925	51,527	36,403	42,117	37,415	23,443	16,726	7,751	6,562	4,469	8,481
Dry Water Years (24%)	9,264	16,217	46,748	21,047	38,625	30,284	15,812	11,098	5,050	5,000	3,627	7,388
Critical Water Years (16%)	5,405	8,057	17,922	15,985	19,762	14,707	8,117	7,632	3,590	3,438	3,080	5,822

Table F.2.2-24-5c. Delta Outflow, EXP3 minus NAA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,373	11,197	43,836	17,936	17,997	16,311	14,744	10,544	8,310	-2,856	1,711	766
20% Exceedance	2,219	11,357	30,472	17,923	15,936	16,921	7,361	4,965	4,312	-1,889	69	-550
30% Exceedance	1,545	9,476	25,953	11,214	20,177	17,161	6,763	5,170	938	-1,035	-747	-1,616
40% Exceedance	1,173	7,917	18,537	13,474	14,201	10,664	5,922	2,158	225	-446	-1,006	-1,755
50% Exceedance	3,054	6,495	16,871	8,547	13,001	13,774	3,253	1,426	-689	-1,500	-127	3,892
60% Exceedance	3,075	5,917	15,397	7,545	8,968	8,670	69	86	-2,054	-394	0	3,755
70% Exceedance	3,040	5,265	11,021	7,803	7,172	6,725	-30	-744	-3,100	-141	-243	3,635
80% Exceedance	2,071	4,760	6,509	6,178	4,980	4,149	-143	-816	-2,475	0	0	3,690
90% Exceedance	2,517	2,453	4,186	5,337	3,743	4,375	1,356	1,660	18	988	0	2,869
Full Simulation Period Average[a]	2,470	7,362	19,639	11,481	12,673	9,971	4,780	3,236	1,309	-675	206	1,839
Wet Water Years (28%)	1,979	9,940	26,762	17,399	16,002	10,831	9,920	7,816	6,247	5	1,177	-267
Above Normal Water Years (14%)	1,009	8,086	23,465	14,904	17,842	12,782	4,465	3,407	1,180	-2,682	-1,015	-2,251
Below Normal Water Years (18%)	3,374	7,178	20,738	10,639	12,744	10,992	4,194	1,350	-20	-1,559	325	4,802
Dry Water Years (24%)	3,377	7,204	16,341	7,476	11,058	10,445	1,678	252	-2,141	-232	-199	4,175
Critical Water Years (16%)	2,310	2,299	6,478	5,082	4,667	4,147	1,372	1,671	-551	220	49	2,268

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-6a. Delta Outflow, EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13,795	30,146	98,593	135,296	155,913	122,184	93,464	60,053	25,024	4,279	3,971	9,879
20% Exceedance	10,665	18,613	69,419	105,360	111,799	101,088	70,259	41,528	15,780	2,252	2,489	8,484
30% Exceedance	8,446	14,838	41,594	62,909	91,570	74,307	51,718	28,298	9,370	577	1,556	7,850
40% Exceedance	7,241	11,079	30,968	50,440	70,133	57,920	44,246	23,298	6,144	0	254	6,619
50% Exceedance	6,425	9,178	24,055	41,164	52,335	48,153	33,632	16,024	3,596	0	0	4,709
60% Exceedance	4,998	8,337	18,564	30,226	39,371	38,520	24,175	11,859	2,585	0	0	3,610
70% Exceedance	3,507	6,996	13,520	20,797	33,455	35,570	19,868	9,760	1,029	0	0	3,191
80% Exceedance	2,370	4,985	10,025	16,666	24,292	24,425	16,469	6,405	500	0	0	2,475
90% Exceedance	1,454	3,120	7,532	13,051	17,737	17,956	12,256	3,369	0	0	0	1,998
Full Simulation Period Average[a]	7,484	14,760	39,766	59,270	75,514	63,851	43,818	24,908	9,398	1,533	1,174	5,782
Wet Water Years (28%)	9,732	19,370	42,074	117,135	139,278	110,471	81,322	49,042	22,390	4,665	3,239	9,636
Above Normal Water Years (14%)	8,553	15,151	36,771	75,760	92,855	81,870	47,723	26,867	9,876	997	1,382	6,781
Below Normal Water Years (18%)	6,767	13,285	46,914	40,930	47,299	48,217	36,341	18,733	6,154	457	377	5,364
Dry Water Years (24%)	8,272	16,013	43,636	23,968	45,918	39,300	25,113	12,830	2,299	19	27	3,610
Critical Water Years (16%)	1,818	5,531	23,679	17,161	24,890	20,916	11,236	6,021	542	0	0	1,892

Table F.2.2-24-6b. Delta Outflow, Alt2woTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,026	73,559	110,350	144,250	102,046	55,783	35,203	14,121	10,155	5,943	11,250
20% Exceedance	8,520	7,658	39,915	75,217	93,416	68,845	41,260	24,173	9,890	9,174	5,771	10,938
30% Exceedance	8,125	6,942	24,032	41,363	63,443	46,436	27,180	16,046	8,997	8,486	5,581	10,796
40% Exceedance	7,875	6,322	16,203	31,480	52,337	34,739	20,638	12,373	8,093	8,007	5,440	10,375
50% Exceedance	5,578	5,865	11,685	25,378	34,732	24,543	15,728	11,024	7,535	7,699	4,000	3,548
60% Exceedance	4,630	5,482	8,308	18,419	22,837	20,642	12,648	9,670	7,100	6,003	4,000	3,192
70% Exceedance	4,001	5,002	7,021	13,254	18,818	17,614	11,242	9,213	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,517	6,050	9,763	15,372	13,523	10,256	8,418	7,021	5,000	3,500	3,000
90% Exceedance	3,225	4,500	5,071	8,026	11,145	9,694	9,369	7,100	5,322	4,000	3,000	3,000
Full Simulation Period Average[a]	6,779	8,970	26,516	44,723	58,895	44,809	26,604	16,465	9,264	7,089	4,559	6,605
Wet Water Years (28%)	8,905	12,157	30,752	97,448	122,679	90,292	53,510	29,397	13,785	9,110	5,835	11,215
Above Normal Water Years (14%)	9,234	7,872	21,151	53,724	70,758	57,238	25,731	16,133	9,633	9,659	5,912	11,223
Below Normal Water Years (18%)	5,639	6,899	31,210	25,938	30,085	26,637	18,259	13,954	8,238	7,461	4,168	3,545
Dry Water Years (24%)	5,843	9,064	30,988	14,203	28,198	19,949	13,772	10,368	7,214	5,011	3,606	3,230
Critical Water Years (16%)	3,218	6,452	11,189	11,489	15,353	12,071	8,917	6,095	5,256	4,000	3,009	3,000

Table F.2.2-24-6c. Delta Outflow, Alt2woTUCPwoVA minus EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4,733	-16,120	-25,034	-24,946	-11,663	-20,138	-37,681	-24,850	-10,903	5,876	1,972	1,371
20% Exceedance	-2,145	-10,955	-29,505	-30,143	-18,383	-32,243	-28,999	-17,355	-5,890	6,922	3,282	2,454
30% Exceedance	-321	-7,896	-17,563	-21,545	-28,127	-27,871	-24,538	-12,251	-373	7,910	4,025	2,946
40% Exceedance	634	-4,757	-14,765	-18,959	-17,796	-23,181	-23,608	-10,925	1,949	8,007	5,185	3,756
50% Exceedance	-846	-3,313	-12,370	-15,786	-17,602	-23,611	-17,905	-5,000	3,939	7,699	4,000	-1,161
60% Exceedance	-368	-2,855	-10,255	-11,807	-16,534	-17,878	-11,527	-2,189	4,515	6,003	4,000	-419
70% Exceedance	494	-1,994	-6,499	-7,542	-14,637	-17,957	-8,626	-547	6,071	5,000	3,500	-191
80% Exceedance	1,630	-468	-3,975	-6,903	-8,920	-10,902	-6,213	2,014	6,521	5,000	3,500	525
90% Exceedance	1,772	1,380	-2,461	-5,025	-6,593	-8,263	-2,887	3,731	5,322	4,000	3,000	1,002
Full Simulation Period Average[a]	-705	-5,791	-13,249	-14,547	-16,619	-19,042	-17,214	-8,443	-134	5,556	3,384	823
Wet Water Years (28%)	-827	-7,213	-11,323	-19,687	-16,600	-20,179	-27,812	-19,645	-8,604	4,445	2,597	1,579
Above Normal Water Years (14%)	681	-7,280	-15,620	-22,036	-22,097	-24,631	-21,992	-10,734	-242	8,662	4,530	4,443
Below Normal Water Years (18%)	-1,128	-6,387	-15,704	-14,992	-17,214	-21,580	-18,083	-4,780	2,084	7,003	3,791	-1,819
Dry Water Years (24%)	-2,429	-6,949	-12,648	-9,765	-17,720	-19,351	-11,341	-2,462	4,915	4,991	3,579	-380
Critical Water Years (16%)	1,400	921	-12,491	-5,672	-9,537	-8,845	-2,319	74	4,714	4,000	3,009	1,108

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-7a. Delta Outflow, EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13,795	30,146	98,593	135,296	155,913	122,184	93,464	60,053	25,024	4,279	3,971	9,879
20% Exceedance	10,665	18,613	69,419	105,360	111,799	101,088	70,259	41,528	15,780	2,252	2,489	8,484
30% Exceedance	8,446	14,838	41,594	62,909	91,570	74,307	51,718	28,298	9,370	577	1,556	7,850
40% Exceedance	7,241	11,079	30,968	50,440	70,133	57,920	44,246	23,298	6,144	0	254	6,619
50% Exceedance	6,425	9,178	24,055	41,164	52,335	48,153	33,632	16,024	3,596	0	0	4,709
60% Exceedance	4,998	8,337	18,564	30,226	39,371	38,520	24,175	11,859	2,585	0	0	3,610
70% Exceedance	3,507	6,996	13,520	20,797	33,455	35,570	19,868	9,760	1,029	0	0	3,191
80% Exceedance	2,370	4,985	10,025	16,666	24,292	24,425	16,469	6,405	500	0	0	2,475
90% Exceedance	1,454	3,120	7,532	13,051	17,737	17,956	12,256	3,369	0	0	0	1,998
Full Simulation Period Average[a]	7,484	14,760	39,766	59,270	75,514	63,851	43,818	24,908	9,398	1,533	1,174	5,782
Wet Water Years (28%)	9,732	19,370	42,074	117,135	139,278	110,471	81,322	49,042	22,390	4,665	3,239	9,636
Above Normal Water Years (14%)	8,553	15,151	36,771	75,760	92,855	81,870	47,723	26,867	9,876	997	1,382	6,781
Below Normal Water Years (18%)	6,767	13,285	46,914	40,930	47,299	48,217	36,341	18,733	6,154	457	377	5,364
Dry Water Years (24%)	8,272	16,013	43,636	23,968	45,918	39,300	25,113	12,830	2,299	19	27	3,610
Critical Water Years (16%)	1,818	5,531	23,679	17,161	24,890	20,916	11,236	6,021	542	0	0	1,892

Table F.2.2-24-7b. Delta Outflow, Alt2woTUCPDeltaVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,012	73,551	110,433	144,229	102,041	59,408	35,008	14,129	10,466	5,977	11,250
20% Exceedance	8,500	7,503	39,787	76,163	93,391	69,914	43,587	24,119	9,645	9,154	5,742	10,938
30% Exceedance	8,125	6,928	24,001	41,286	64,322	46,972	29,388	15,870	8,990	8,573	5,581	10,802
40% Exceedance	7,813	6,392	16,191	31,455	52,171	36,097	22,361	12,254	8,031	8,076	5,440	10,531
50% Exceedance	5,605	5,748	11,255	25,232	34,871	26,687	17,332	10,774	7,611	7,755	4,000	3,652
60% Exceedance	4,629	5,381	8,313	18,421	22,858	22,672	13,759	9,808	7,109	6,064	4,000	3,164
70% Exceedance	4,000	5,013	7,290	12,427	18,624	17,669	11,627	9,011	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,629	6,415	9,463	14,864	14,263	10,612	8,425	6,880	5,000	3,500	3,000
90% Exceedance	3,120	4,500	4,940	7,413	11,167	10,890	9,220	7,092	5,336	4,000	3,000	3,000
Full Simulation Period Average[a]	6,758	8,932	26,439	44,569	58,807	45,715	27,456	16,505	9,217	7,151	4,553	6,626
Wet Water Years (28%)	8,891	12,132	30,726	97,147	122,561	90,594	54,512	29,324	13,763	9,178	5,830	11,223
Above Normal Water Years (14%)	9,229	7,805	21,186	53,869	70,766	58,720	27,927	16,392	9,427	9,902	5,910	11,231
Below Normal Water Years (18%)	5,630	6,918	31,010	25,804	29,836	28,581	19,029	13,835	8,212	7,485	4,182	3,591
Dry Water Years (24%)	5,810	8,989	30,874	14,006	28,332	21,020	14,324	10,558	7,184	5,032	3,580	3,271
Critical Water Years (16%)	3,173	6,408	11,108	11,375	15,079	12,115	8,877	6,097	5,256	4,000	3,009	3,000

Table F.2.2-24-7c. Delta Outflow, Alt2woTUCPDeltaVA minus EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4,733	-16,134	-25,042	-24,862	-11,684	-20,143	-34,057	-25,045	-10,895	6,188	2,006	1,371
20% Exceedance	-2,165	-11,110	-29,632	-29,197	-18,407	-31,174	-26,672	-17,409	-6,135	6,902	3,253	2,454
30% Exceedance	-321	-7,910	-17,593	-21,623	-27,247	-27,335	-22,330	-12,428	-380	7,996	4,025	2,952
40% Exceedance	572	-4,687	-14,777	-18,984	-17,961	-21,822	-21,885	-11,044	1,888	8,076	5,185	3,913
50% Exceedance	-820	-3,430	-12,800	-15,932	-17,464	-21,467	-16,301	-5,250	4,016	7,755	4,000	-1,057
60% Exceedance	-369	-2,956	-10,251	-11,805	-16,513	-15,848	-10,416	-2,051	4,525	6,064	4,000	-446
70% Exceedance	494	-1,983	-6,229	-8,370	-14,831	-17,901	-8,241	-749	6,071	5,000	3,500	-191
80% Exceedance	1,630	-356	-3,610	-7,203	-9,428	-10,161	-5,857	2,020	6,380	5,000	3,500	525
90% Exceedance	1,666	1,380	-2,592	-5,638	-6,571	-7,067	-3,036	3,723	5,336	4,000	3,000	1,002
Full Simulation Period Average[a]	-726	-5,829	-13,327	-14,701	-16,707	-18,136	-16,361	-8,402	-181	5,618	3,379	844
Wet Water Years (28%)	-841	-7,238	-11,349	-19,988	-16,718	-19,877	-26,811	-19,718	-8,627	4,512	2,592	1,587
Above Normal Water Years (14%)	677	-7,346	-15,586	-21,891	-22,088	-23,149	-19,796	-10,475	-449	8,905	4,528	4,451
Below Normal Water Years (18%)	-1,137	-6,367	-15,904	-15,126	-17,463	-19,636	-17,312	-4,899	2,059	7,028	3,805	-1,773
Dry Water Years (24%)	-2,462	-7,024	-12,762	-9,962	-17,585	-18,279	-10,789	-2,271	4,885	5,013	3,554	-339
Critical Water Years (16%)	1,355	877	-12,571	-5,786	-9,811	-8,801	-2,359	76	4,714	4,000	3,009	1,108

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-8a. Delta Outflow, EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13,795	30,146	98,593	135,296	155,913	122,184	93,464	60,053	25,024	4,279	3,971	9,879
20% Exceedance	10,665	18,613	69,419	105,360	111,799	101,088	70,259	41,528	15,780	2,252	2,489	8,484
30% Exceedance	8,446	14,838	41,594	62,909	91,570	74,307	51,718	28,298	9,370	577	1,556	7,850
40% Exceedance	7,241	11,079	30,968	50,440	70,133	57,920	44,246	23,298	6,144	0	254	6,619
50% Exceedance	6,425	9,178	24,055	41,164	52,335	48,153	33,632	16,024	3,596	0	0	4,709
60% Exceedance	4,998	8,337	18,564	30,226	39,371	38,520	24,175	11,859	2,585	0	0	3,610
70% Exceedance	3,507	6,996	13,520	20,797	33,455	35,570	19,868	9,760	1,029	0	0	3,191
80% Exceedance	2,370	4,985	10,025	16,666	24,292	24,425	16,469	6,405	500	0	0	2,475
90% Exceedance	1,454	3,120	7,532	13,051	17,737	17,956	12,256	3,369	0	0	0	1,998
Full Simulation Period Average[a]	7,484	14,760	39,766	59,270	75,514	63,851	43,818	24,908	9,398	1,533	1,174	5,782
Wet Water Years (28%)	9,732	19,370	42,074	117,135	139,278	110,471	81,322	49,042	22,390	4,665	3,239	9,636
Above Normal Water Years (14%)	8,553	15,151	36,771	75,760	92,855	81,870	47,723	26,867	9,876	997	1,382	6,781
Below Normal Water Years (18%)	6,767	13,285	46,914	40,930	47,299	48,217	36,341	18,733	6,154	457	377	5,364
Dry Water Years (24%)	8,272	16,013	43,636	23,968	45,918	39,300	25,113	12,830	2,299	19	27	3,610
Critical Water Years (16%)	1,818	5,531	23,679	17,161	24,890	20,916	11,236	6,021	542	0	0	1,892

Table F.2.2-24-8b. Delta Outflow, Alt2woTUCPAllVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	13,962	73,535	110,640	144,373	102,488	59,549	35,190	13,903	10,652	5,975	11,250
20% Exceedance	8,500	7,640	39,769	76,760	93,286	70,117	44,989	25,222	9,362	9,280	5,722	10,938
30% Exceedance	8,125	6,946	24,119	41,279	64,218	47,198	30,608	16,189	8,619	8,570	5,581	10,781
40% Exceedance	7,813	6,300	16,164	31,679	52,445	36,121	23,363	14,367	7,828	8,204	5,440	10,531
50% Exceedance	5,491	5,776	11,538	25,407	35,175	26,790	19,971	11,974	7,220	7,852	4,000	3,672
60% Exceedance	4,818	5,356	8,814	18,428	22,878	22,982	15,480	10,588	7,105	6,041	4,000	3,295
70% Exceedance	4,151	5,013	7,463	12,384	18,536	18,048	13,716	9,436	7,100	5,000	3,500	3,000
80% Exceedance	4,000	4,589	6,266	9,487	15,105	14,475	11,600	8,794	6,673	5,000	3,500	3,000
90% Exceedance	3,375	4,500	5,028	7,618	11,190	11,185	10,027	7,312	5,093	4,000	3,000	3,000
Full Simulation Period Average[a]	6,775	8,980	26,596	44,602	58,857	45,813	28,789	17,218	9,059	7,231	4,555	6,636
Wet Water Years (28%)	8,905	12,105	30,703	97,205	122,554	90,441	54,839	29,487	13,718	9,219	5,838	11,217
Above Normal Water Years (14%)	9,239	7,880	21,248	54,165	70,915	58,712	29,979	17,804	9,136	10,146	5,927	11,186
Below Normal Water Years (18%)	5,566	7,024	31,134	25,837	29,921	28,720	21,653	15,045	7,798	7,687	4,144	3,681
Dry Water Years (24%)	5,884	9,280	31,224	14,013	28,374	21,376	16,015	11,273	7,057	5,024	3,590	3,277
Critical Water Years (16%)	3,212	6,114	11,428	11,175	15,115	12,313	9,351	6,597	5,256	4,000	3,020	3,000

Table F.2.2-24-8c. Delta Outflow, Alt2woTUCPAllVA minus EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4,733	-16,185	-25,059	-24,656	-11,540	-19,696	-33,916	-24,862	-11,122	6,373	2,004	1,371
20% Exceedance	-2,165	-10,973	-29,650	-28,600	-18,513	-30,971	-25,270	-16,306	-6,418	7,028	3,233	2,454
30% Exceedance	-321	-7,893	-17,475	-21,629	-27,352	-27,109	-21,110	-12,109	-751	7,994	4,025	2,931
40% Exceedance	572	-4,778	-14,805	-18,760	-17,687	-21,799	-20,883	-8,931	1,684	8,204	5,185	3,913
50% Exceedance	-933	-3,402	-12,517	-15,757	-17,160	-21,363	-13,662	-4,050	3,624	7,852	4,000	-1,037
60% Exceedance	-180	-2,980	-9,750	-11,798	-16,493	-15,538	-8,694	-1,271	4,520	6,041	4,000	-315
70% Exceedance	644	-1,983	-6,057	-8,412	-14,919	-17,522	-6,153	-323	6,071	5,000	3,500	-191
80% Exceedance	1,630	-395	-3,759	-7,179	-9,187	-9,949	-4,869	2,389	6,173	5,000	3,500	525
90% Exceedance	1,922	1,380	-2,504	-5,433	-6,547	-6,771	-2,229	3,943	5,093	4,000	3,000	1,002
Full Simulation Period Average[a]	-709	-5,780	-13,169	-14,667	-16,657	-18,038	-15,028	-7,690	-339	5,699	3,381	854
Wet Water Years (28%)	-827	-7,265	-11,371	-19,930	-16,725	-20,030	-26,483	-19,555	-8,671	4,554	2,599	1,581
Above Normal Water Years (14%)	687	-7,271	-15,523	-21,595	-21,939	-23,157	-17,744	-9,062	-739	9,149	4,545	4,405
Below Normal Water Years (18%)	-1,202	-6,261	-15,780	-15,093	-17,378	-19,497	-14,688	-3,688	1,644	7,230	3,767	-1,682
Dry Water Years (24%)	-2,388	-6,733	-12,412	-9,954	-17,544	-17,923	-9,098	-1,556	4,758	5,004	3,564	-333
Critical Water Years (16%)	1,394	584	-12,251	-5,986	-9,774	-8,603	-1,885	575	4,714	4,000	3,020	1,108

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-9a. Delta Outflow, EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13,795	30,146	98,593	135,296	155,913	122,184	93,464	60,053	25,024	4,279	3,971	9,879
20% Exceedance	10,665	18,613	69,419	105,360	111,799	101,088	70,259	41,528	15,780	2,252	2,489	8,484
30% Exceedance	8,446	14,838	41,594	62,909	91,570	74,307	51,718	28,298	9,370	577	1,556	7,850
40% Exceedance	7,241	11,079	30,968	50,440	70,133	57,920	44,246	23,298	6,144	0	254	6,619
50% Exceedance	6,425	9,178	24,055	41,164	52,335	48,153	33,632	16,024	3,596	0	0	4,709
60% Exceedance	4,998	8,337	18,564	30,226	39,371	38,520	24,175	11,859	2,585	0	0	3,610
70% Exceedance	3,507	6,996	13,520	20,797	33,455	35,570	19,868	9,760	1,029	0	0	3,191
80% Exceedance	2,370	4,985	10,025	16,666	24,292	24,425	16,469	6,405	500	0	0	2,475
90% Exceedance	1,454	3,120	7,532	13,051	17,737	17,956	12,256	3,369	0	0	0	1,998
Full Simulation Period Average[a]	7,484	14,760	39,766	59,270	75,514	63,851	43,818	24,908	9,398	1,533	1,174	5,782
Wet Water Years (28%)	9,732	19,370	42,074	117,135	139,278	110,471	81,322	49,042	22,390	4,665	3,239	9,636
Above Normal Water Years (14%)	8,553	15,151	36,771	75,760	92,855	81,870	47,723	26,867	9,876	997	1,382	6,781
Below Normal Water Years (18%)	6,767	13,285	46,914	40,930	47,299	48,217	36,341	18,733	6,154	457	377	5,364
Dry Water Years (24%)	8,272	16,013	43,636	23,968	45,918	39,300	25,113	12,830	2,299	19	27	3,610
Critical Water Years (16%)	1,818	5,531	23,679	17,161	24,890	20,916	11,236	6,021	542	0	0	1,892

Table F.2.2-24-9b. Delta Outflow, Alt2wTUCPwoVA, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9,063	14,034	73,864	110,359	144,137	102,097	55,805	35,234	14,130	10,154	5,943	11,250
20% Exceedance	8,526	7,644	39,950	77,890	93,412	68,919	41,267	24,171	9,888	9,133	5,771	10,938
30% Exceedance	8,125	6,680	24,039	41,249	63,895	46,462	27,197	16,046	8,997	8,486	5,581	10,796
40% Exceedance	7,875	6,059	16,214	31,913	52,349	34,755	20,634	12,494	8,030	8,007	5,440	10,375
50% Exceedance	5,595	5,700	12,359	25,392	34,758	24,528	15,730	11,052	7,372	7,698	4,000	3,857
60% Exceedance	4,606	5,389	8,239	18,501	22,843	20,644	12,647	9,829	7,100	6,002	4,000	3,500
70% Exceedance	4,001	4,991	6,997	13,632	18,829	17,403	11,190	9,253	7,100	5,000	3,500	3,282
80% Exceedance	4,000	4,500	6,133	9,933	15,242	12,836	10,039	8,418	6,910	5,000	3,500	3,002
90% Exceedance	3,000	4,500	5,276	8,051	10,886	8,384	7,801	6,443	4,195	3,021	3,000	3,000
Full Simulation Period Average[a]	6,756	8,889	26,588	44,925	58,853	44,716	26,310	16,458	9,102	6,975	4,564	6,698
Wet Water Years (28%)	8,905	12,158	30,759	97,587	122,721	90,332	53,530	29,419	13,787	9,107	5,834	11,215
Above Normal Water Years (14%)	9,234	7,875	21,155	54,034	70,788	58,205	25,786	16,143	9,637	9,654	5,912	11,223
Below Normal Water Years (18%)	5,615	6,892	31,151	26,054	30,179	26,662	18,328	13,953	8,244	7,485	4,179	3,609
Dry Water Years (24%)	5,847	9,078	30,906	14,193	28,327	19,946	13,777	10,378	7,214	5,011	3,606	3,231
Critical Water Years (16%)	3,092	5,898	11,853	12,125	14,690	10,552	6,916	5,990	4,232	3,274	3,030	3,506

Table F.2.2-24-9c. Delta Outflow, Alt2wTUCPwoVA minus EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4,733	-16,113	-24,729	-24,937	-11,776	-20,087	-37,659	-24,819	-10,894	5,875	1,972	1,371
20% Exceedance	-2,139	-10,969	-29,469	-27,470	-18,387	-32,169	-28,992	-17,357	-5,892	6,880	3,282	2,454
30% Exceedance	-321	-8,158	-17,555	-21,660	-27,674	-27,845	-24,521	-12,251	-373	7,910	4,025	2,946
40% Exceedance	634	-5,020	-14,754	-18,526	-17,783	-23,165	-23,612	-10,804	1,887	8,007	5,185	3,756
50% Exceedance	-829	-3,478	-11,696	-15,772	-17,577	-23,625	-17,902	-4,972	3,777	7,698	4,000	-852
60% Exceedance	-392	-2,947	-10,324	-11,725	-16,528	-17,875	-11,527	-2,030	4,515	6,002	4,000	-110
70% Exceedance	494	-2,005	-6,523	-7,165	-14,626	-18,168	-8,679	-507	6,071	5,000	3,500	91
80% Exceedance	1,630	-485	-3,892	-6,734	-9,050	-11,588	-6,430	2,014	6,410	5,000	3,500	527
90% Exceedance	1,546	1,380	-2,255	-5,000	-6,851	-9,572	-4,454	3,074	4,195	3,021	3,000	1,002
Full Simulation Period Average[a]	-728	-5,871	-13,177	-14,345	-16,661	-19,135	-17,507	-8,450	-296	5,443	3,389	916
Wet Water Years (28%)	-827	-7,212	-11,316	-19,548	-16,558	-20,139	-27,793	-19,624	-8,603	4,442	2,596	1,579
Above Normal Water Years (14%)	681	-7,276	-15,616	-21,727	-22,066	-23,665	-21,937	-10,724	-238	8,657	4,530	4,443
Below Normal Water Years (18%)	-1,153	-6,393	-15,763	-14,876	-17,120	-21,555	-18,013	-4,780	2,091	7,028	3,802	-1,754
Dry Water Years (24%)	-2,425	-6,935	-12,730	-9,775	-17,591	-19,353	-11,336	-2,451	4,915	4,991	3,580	-379
Critical Water Years (16%)	1,274	368	-11,826	-5,036	-10,200	-10,364	-4,320	-32	3,691	3,274	3,030	1,614

[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.2-24-10a. Delta Outflow, EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13,795	30,146	98,593	135,296	155,913	122,184	93,464	60,053	25,024	4,279	3,971	9,879
20% Exceedance	10,665	18,613	69,419	105,360	111,799	101,088	70,259	41,528	15,780	2,252	2,489	8,484
30% Exceedance	8,446	14,838	41,594	62,909	91,570	74,307	51,718	28,298	9,370	577	1,556	7,850
40% Exceedance	7,241	11,079	30,968	50,440	70,133	57,920	44,246	23,298	6,144	0	254	6,619
50% Exceedance	6,425	9,178	24,055	41,164	52,335	48,153	33,632	16,024	3,596	0	0	4,709
60% Exceedance	4,998	8,337	18,564	30,226	39,371	38,520	24,175	11,859	2,585	0	0	3,610
70% Exceedance	3,507	6,996	13,520	20,797	33,455	35,570	19,868	9,760	1,029	0	0	3,191
80% Exceedance	2,370	4,985	10,025	16,666	24,292	24,425	16,469	6,405	500	0	0	2,475
90% Exceedance	1,454	3,120	7,532	13,051	17,737	17,956	12,256	3,369	0	0	0	1,998
Full Simulation Period Average[a]	7,484	14,760	39,766	59,270	75,514	63,851	43,818	24,908	9,398	1,533	1,174	5,782
Wet Water Years (28%)	9,732	19,370	42,074	117,135	139,278	110,471	81,322	49,042	22,390	4,665	3,239	9,636
Above Normal Water Years (14%)	8,553	15,151	36,771	75,760	92,855	81,870	47,723	26,867	9,876	997	1,382	6,781
Below Normal Water Years (18%)	6,767	13,285	46,914	40,930	47,299	48,217	36,341	18,733	6,154	457	377	5,364
Dry Water Years (24%)	8,272	16,013	43,636	23,968	45,918	39,300	25,113	12,830	2,299	19	27	3,610
Critical Water Years (16%)	1,818	5,531	23,679	17,161	24,890	20,916	11,236	6,021	542	0	0	1,892

Table F.2.2-24-10b. Delta Outflow, NAA, 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

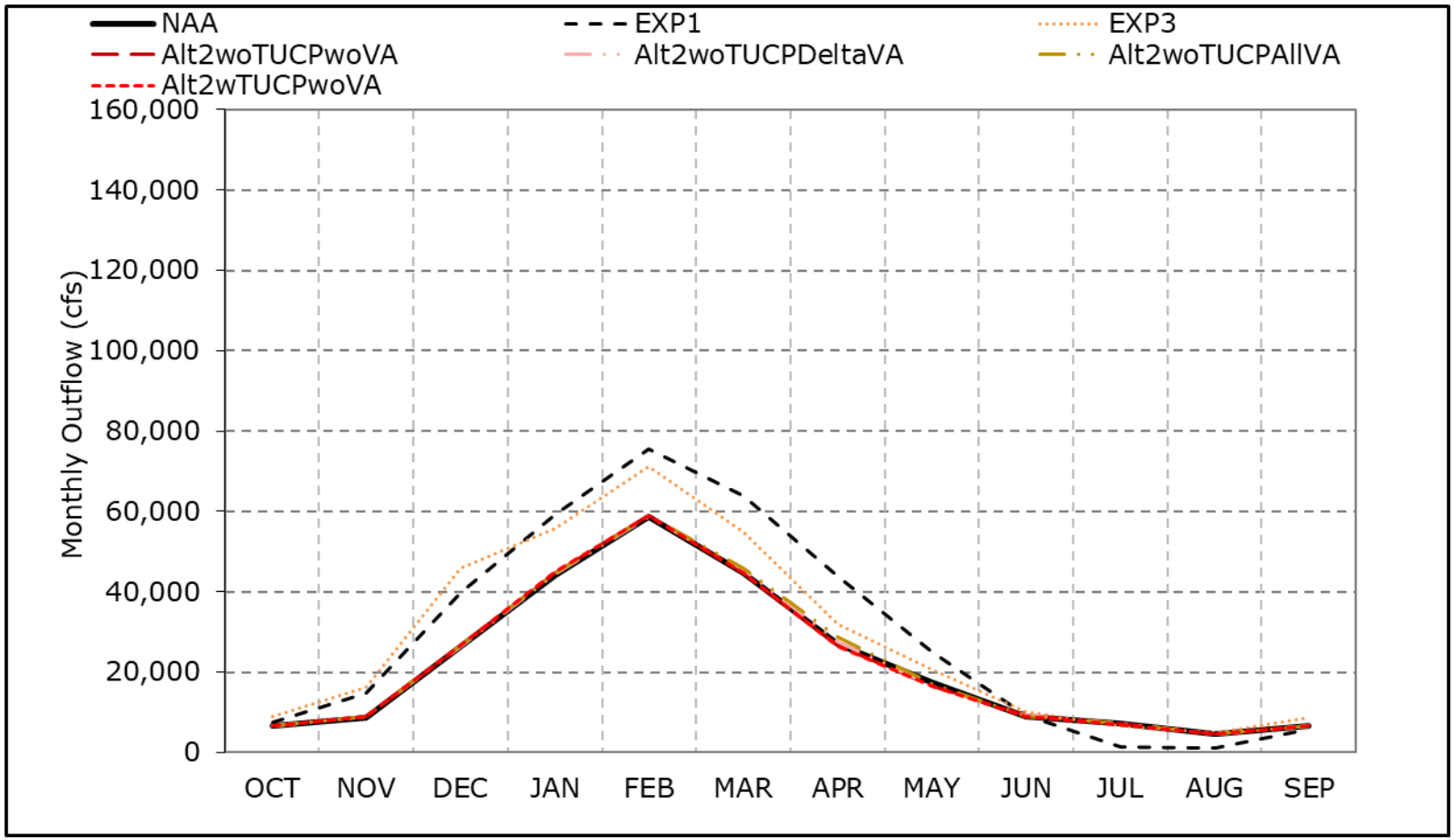
Table F.2.2-24-10c. Delta Outflow, NAA minus EXP1, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5,358	-16,158	-25,051	-25,006	-10,657	-19,744	-37,274	-21,579	-11,109	6,577	2,388	1,214
20% Exceedance	-2,384	-10,930	-29,382	-30,876	-17,449	-31,600	-26,060	-15,832	-6,208	7,637	3,488	2,454
30% Exceedance	-321	-8,220	-17,485	-21,002	-28,583	-27,981	-22,731	-11,152	-757	8,458	4,217	2,775
40% Exceedance	728	-5,038	-14,704	-19,100	-18,388	-22,707	-21,785	-9,358	1,580	8,446	5,252	3,694
50% Exceedance	-998	-3,527	-12,638	-15,527	-19,506	-23,870	-16,837	-4,115	3,526	8,000	4,261	-829
60% Exceedance	-428	-3,006	-10,262	-11,562	-16,648	-18,025	-10,265	-1,023	4,515	6,294	4,000	-39
70% Exceedance	545	-2,098	-6,425	-9,186	-14,928	-17,900	-8,196	-23	6,071	5,141	3,743	203
80% Exceedance	1,630	-485	-3,846	-7,473	-9,402	-11,560	-6,118	2,450	5,975	5,000	3,500	532
90% Exceedance	1,546	1,380	-2,229	-5,565	-6,593	-9,570	-4,682	1,861	3,982	3,012	3,000	1,002
Full Simulation Period Average[a]	-844	-5,963	-13,416	-15,056	-16,896	-19,004	-16,697	-7,407	-532	5,830	3,537	916
Wet Water Years (28%)	-814	-7,315	-11,339	-20,237	-16,569	-19,574	-26,736	-17,854	-8,834	4,745	2,771	1,658
Above Normal Water Years (14%)	111	-7,279	-15,522	-22,596	-21,850	-23,377	-19,864	-9,414	-713	9,685	4,905	4,175
Below Normal Water Years (18%)	-1,401	-6,539	-16,125	-15,166	-17,926	-21,793	-17,092	-3,358	1,618	7,664	3,768	-1,684
Dry Water Years (24%)	-2,385	-7,000	-13,229	-10,397	-18,350	-19,461	-10,979	-1,984	4,891	5,213	3,799	-397
Critical Water Years (16%)	1,276	227	-12,235	-6,258	-9,795	-10,356	-4,491	-60	3,599	3,217	3,030	1,662

[a] Based on the 100-year simulation period.

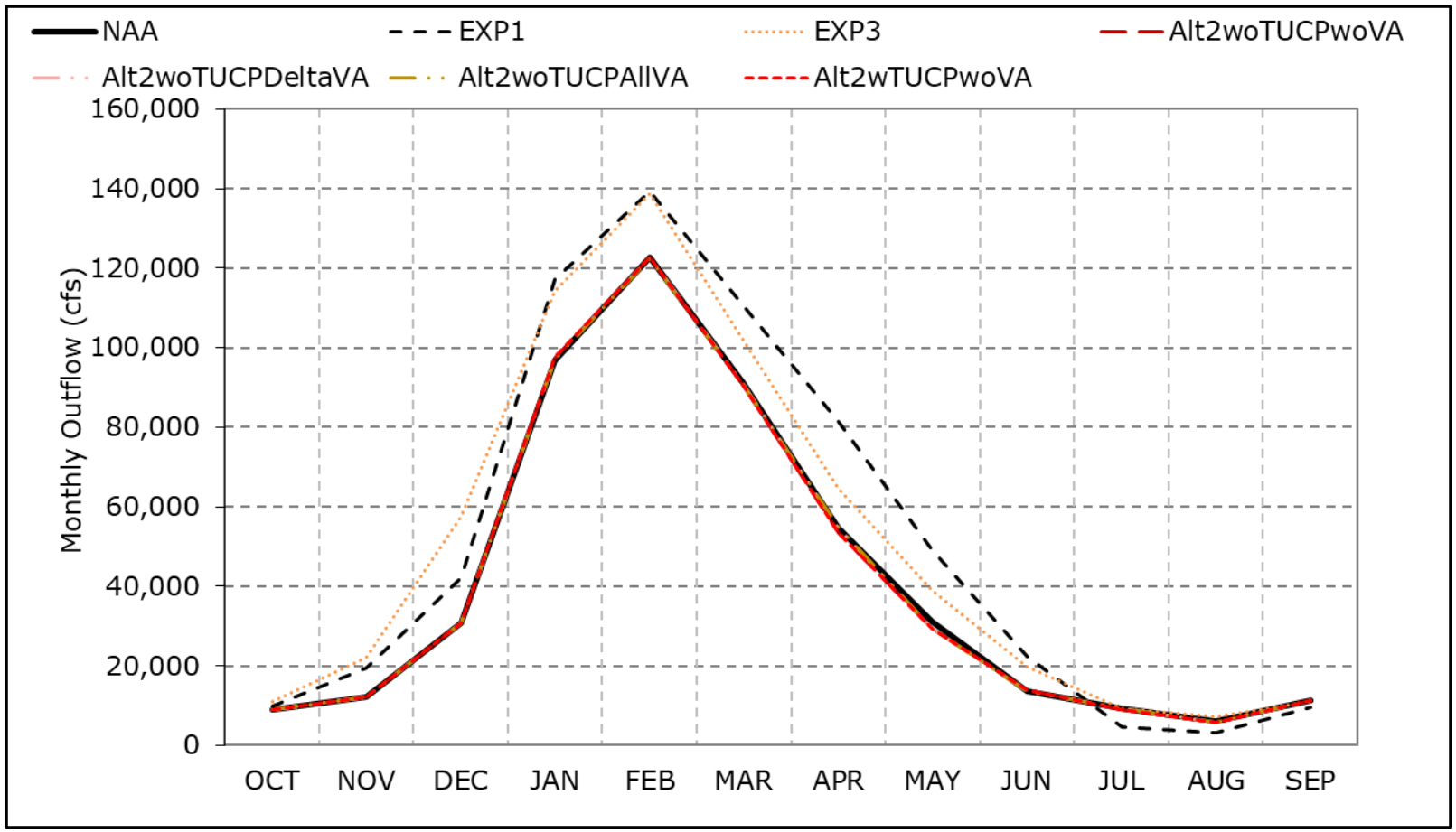
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with calendar year – year type sorting.

Figure F.2.2-24-1. Delta Outflow, Long-Term Average Outflow



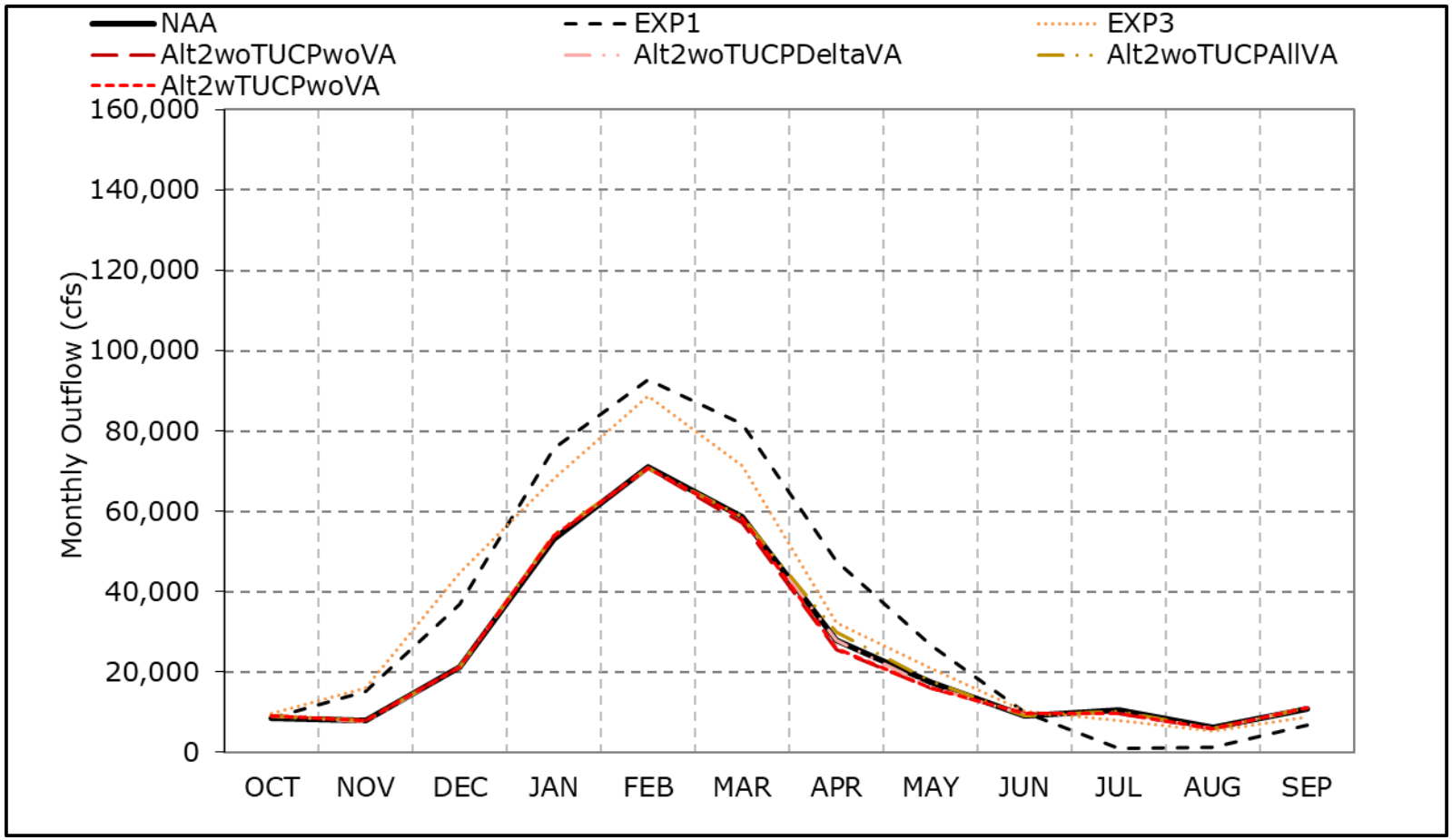
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-2. Delta Outflow, Wet Year Average Outflow



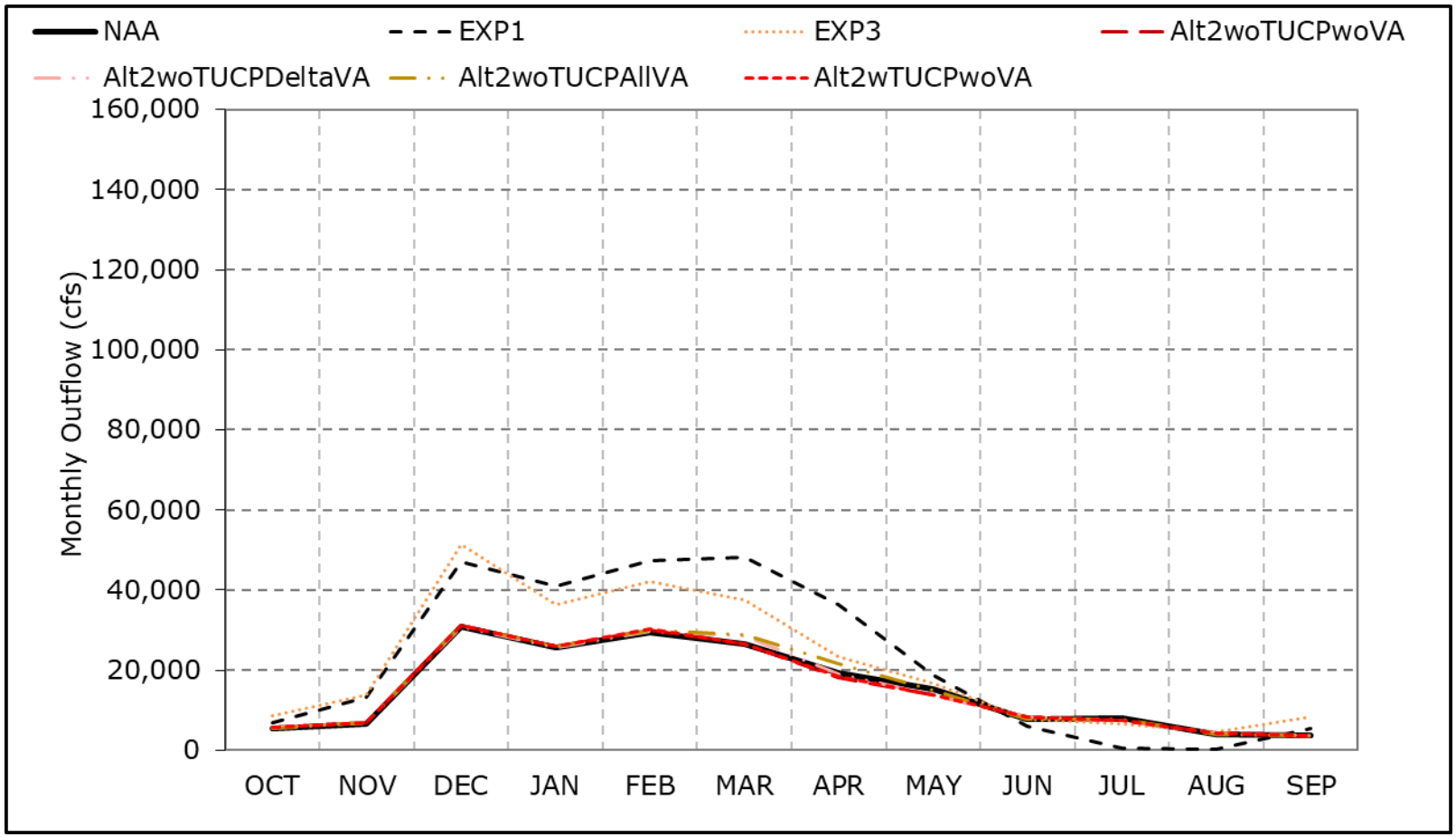
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-3. Delta Outflow, Above Normal Year Average Outflow



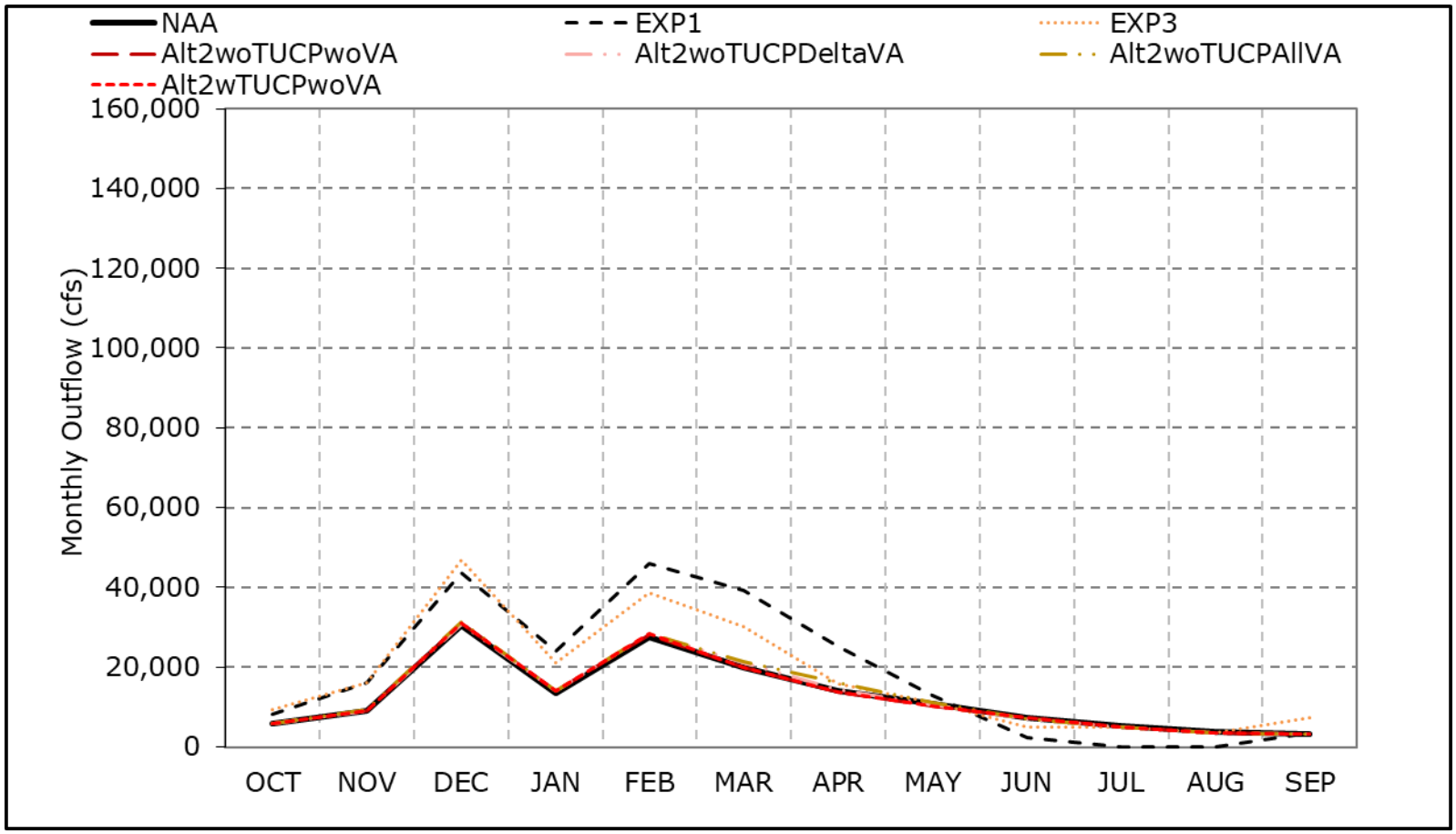
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-4. Delta Outflow, Below Normal Year Average Outflow



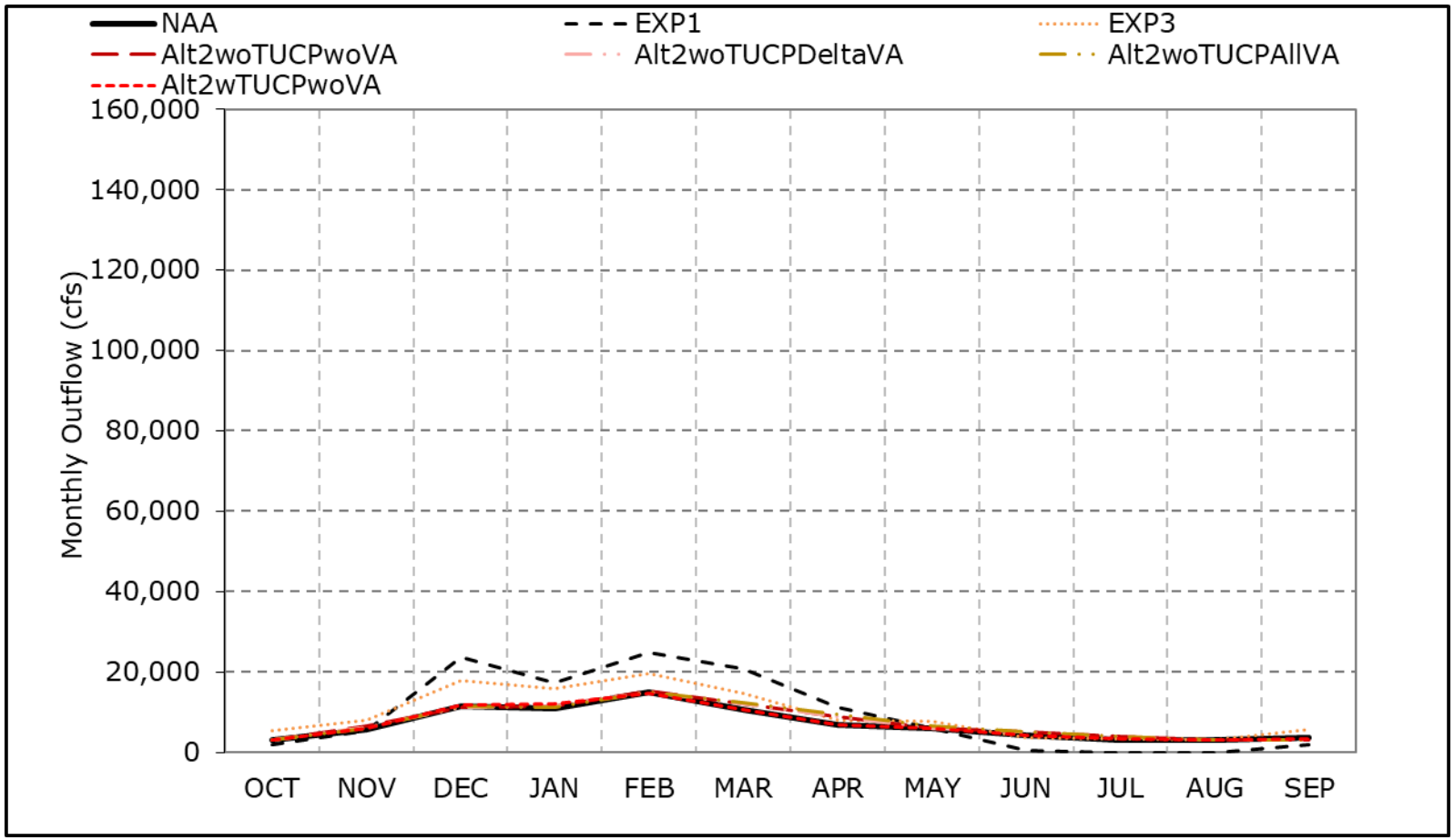
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-5. Delta Outflow, Dry Year Average Outflow



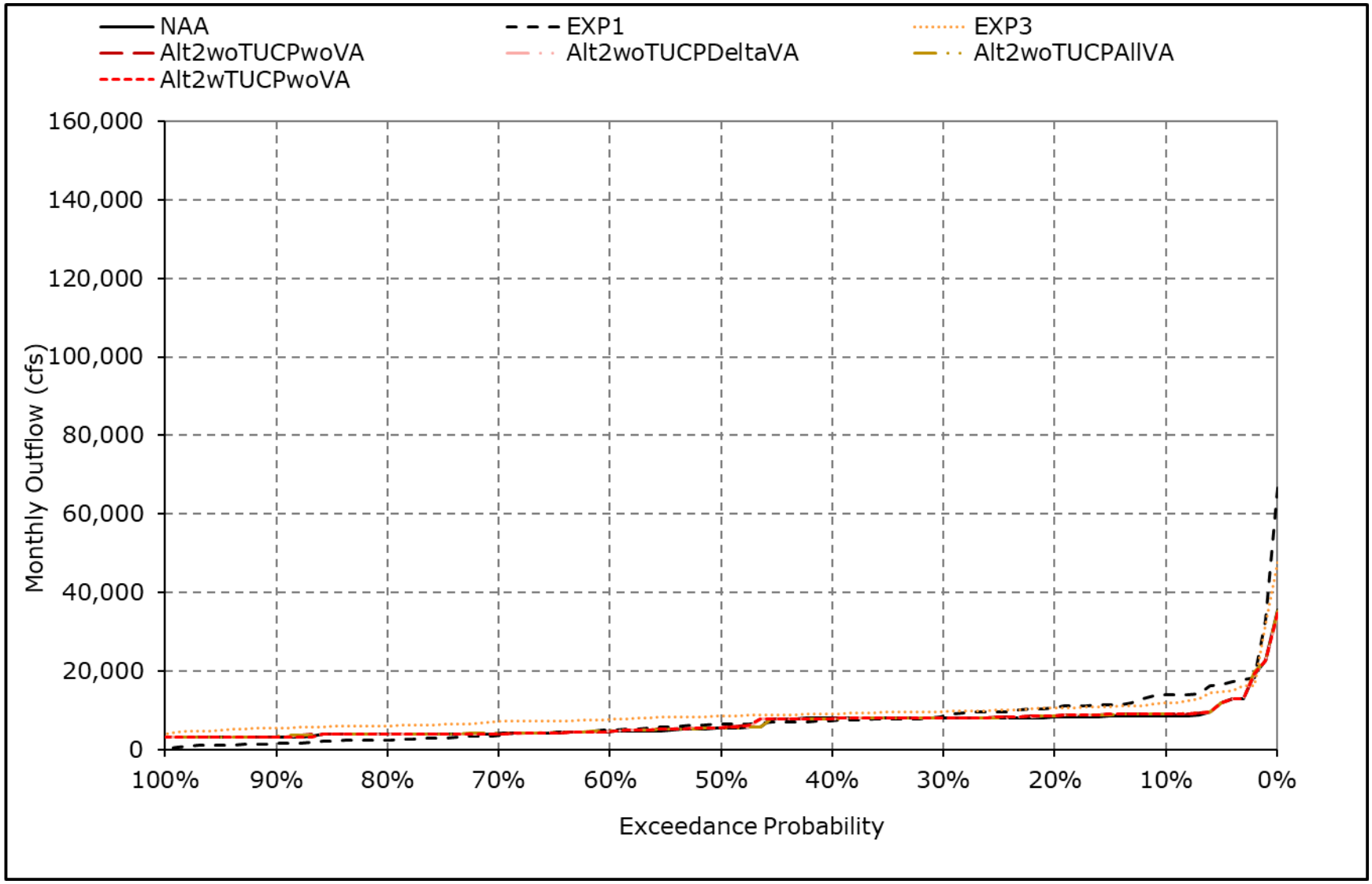
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-6. Delta Outflow, Critical Year Average Outflow



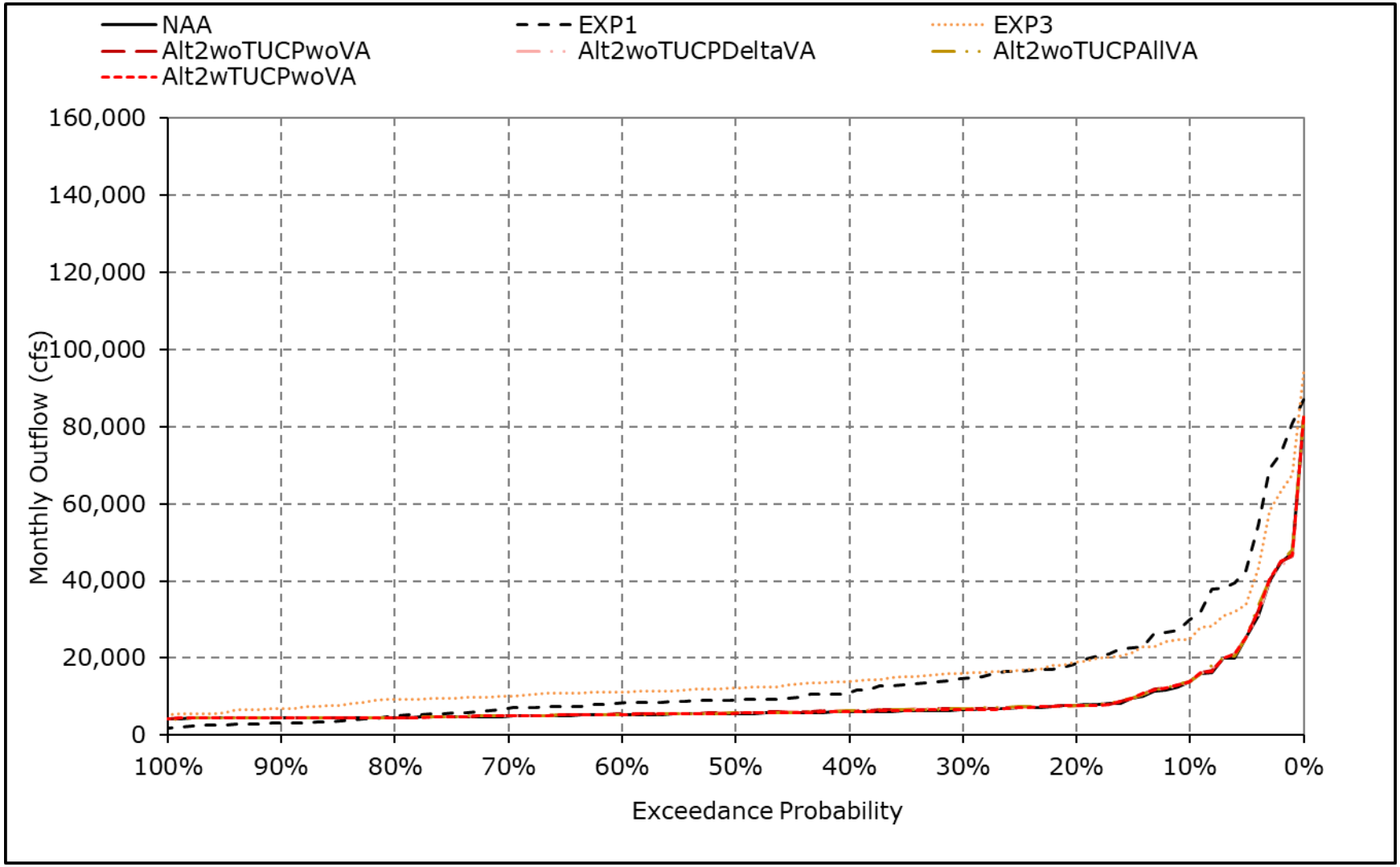
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*"Water Year Types results are displayed with calendar year – year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-7. Delta Outflow, October



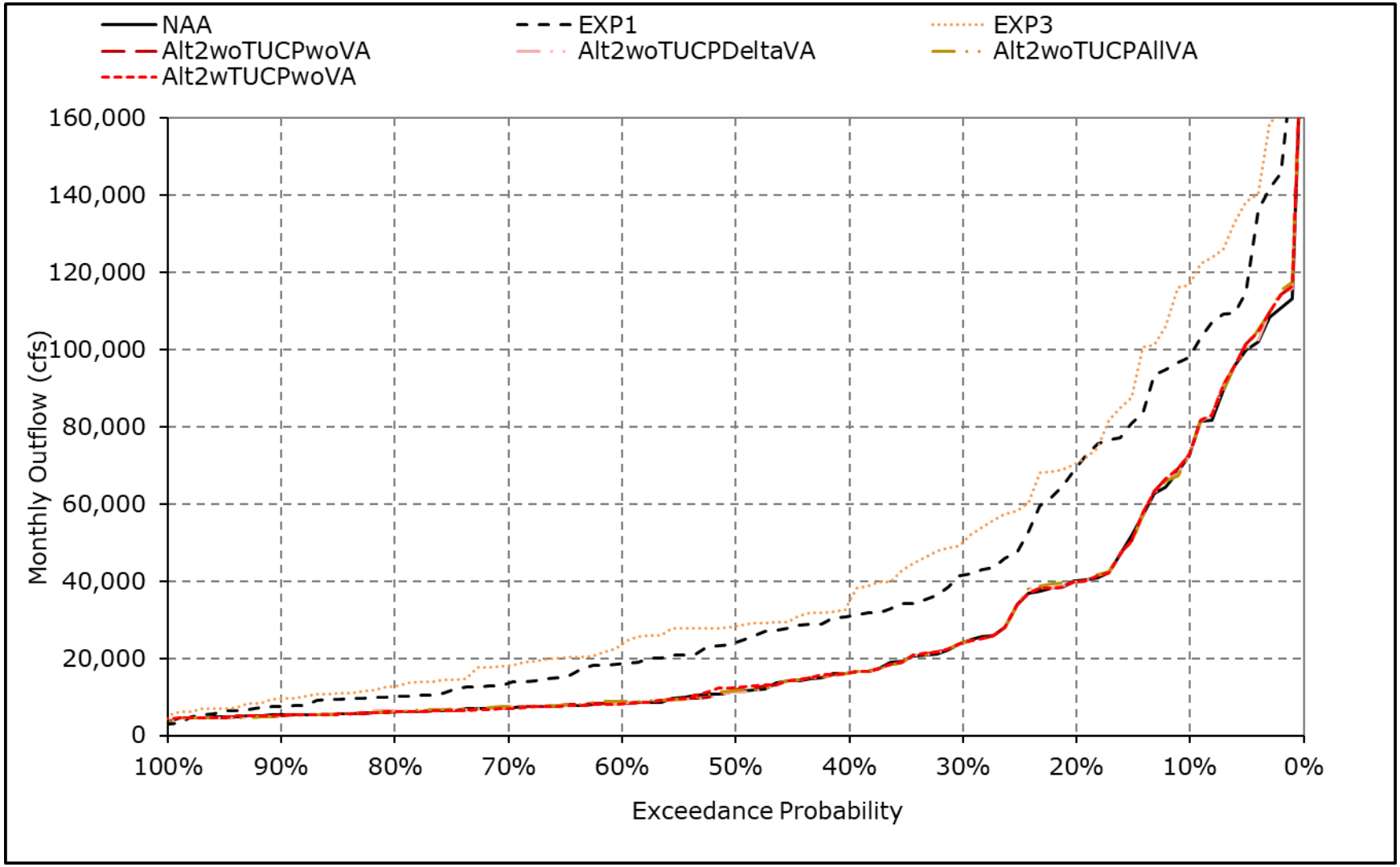
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-8. Delta Outflow, November



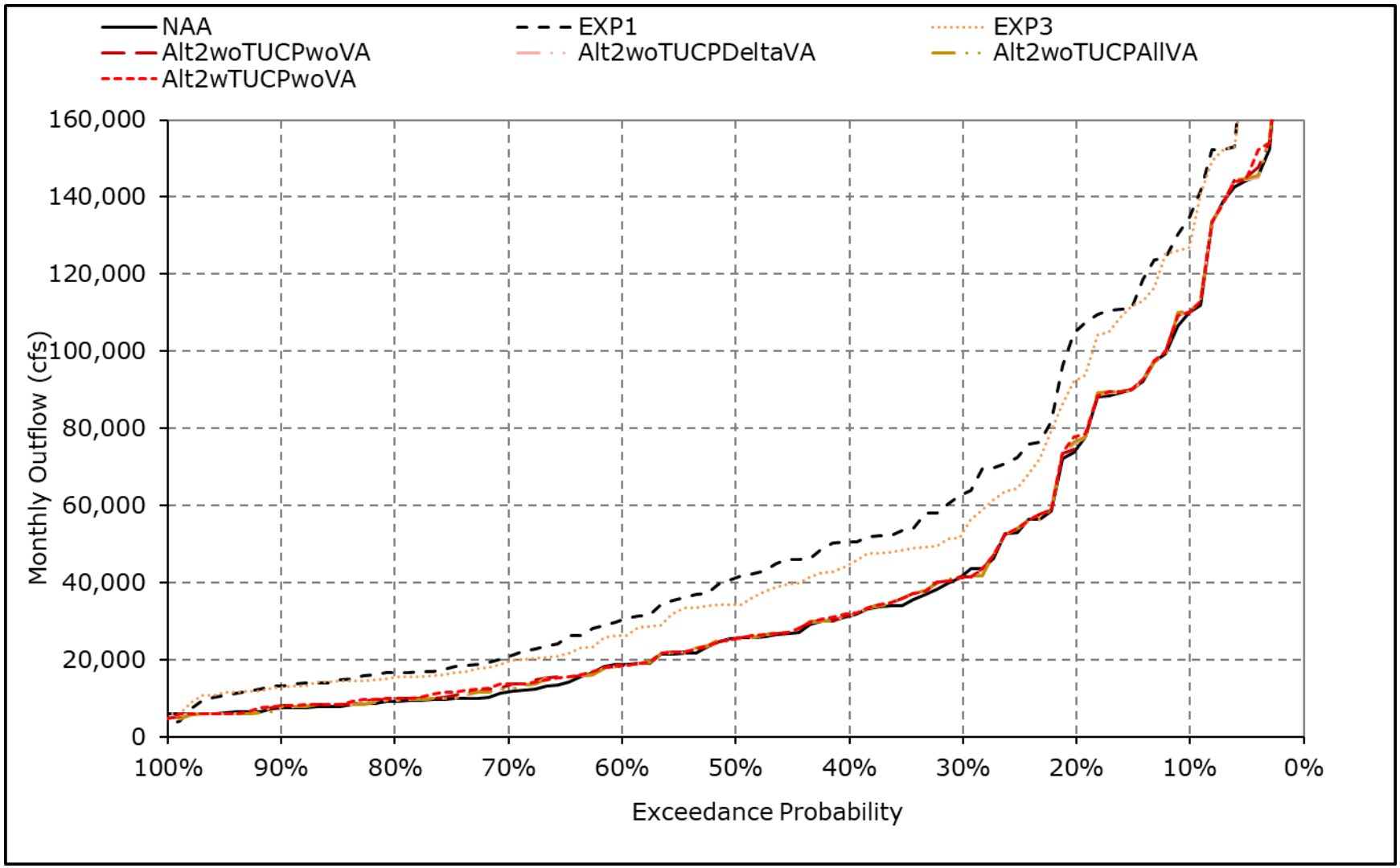
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-9. Delta Outflow, December



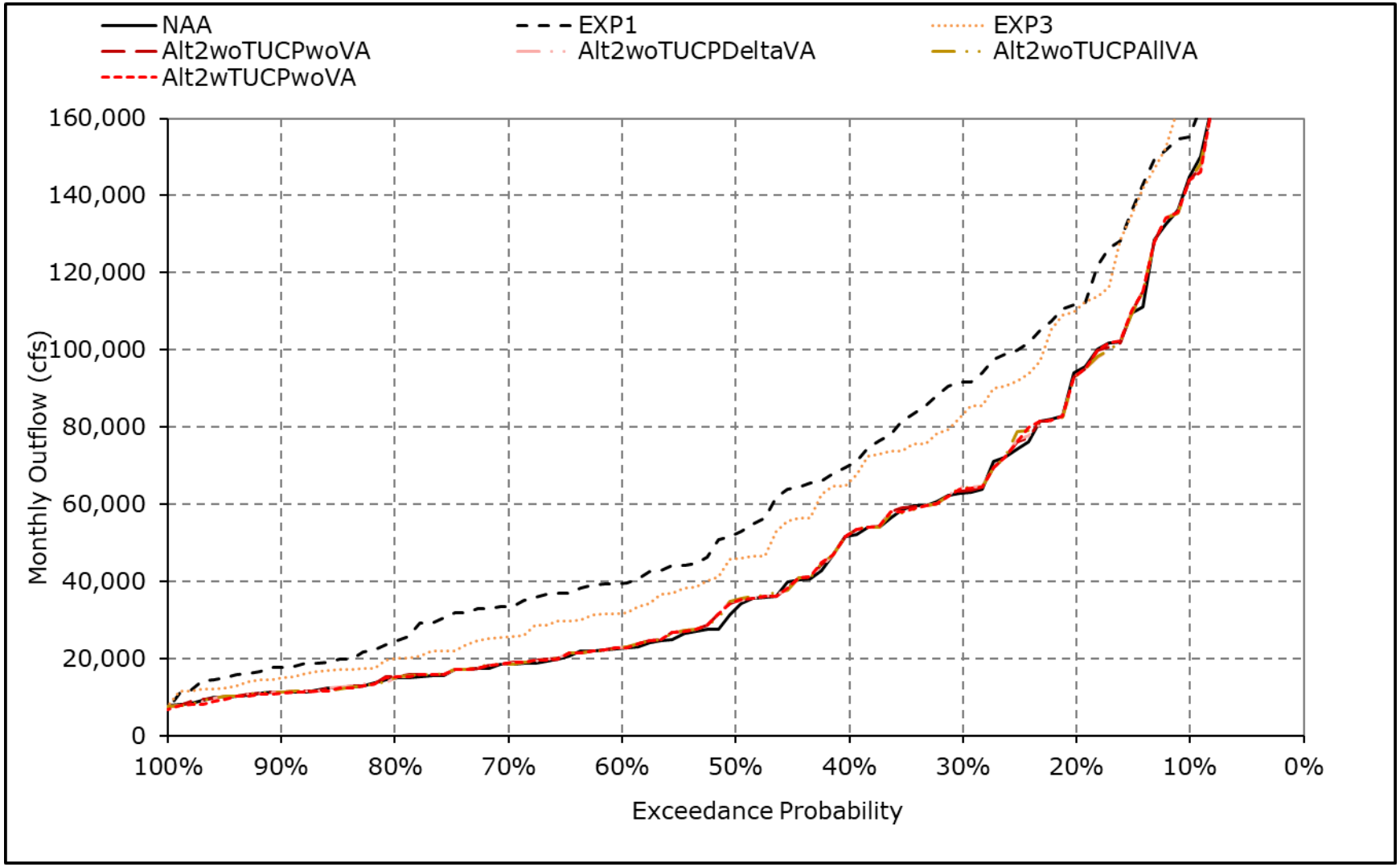
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-10. Delta Outflow, January



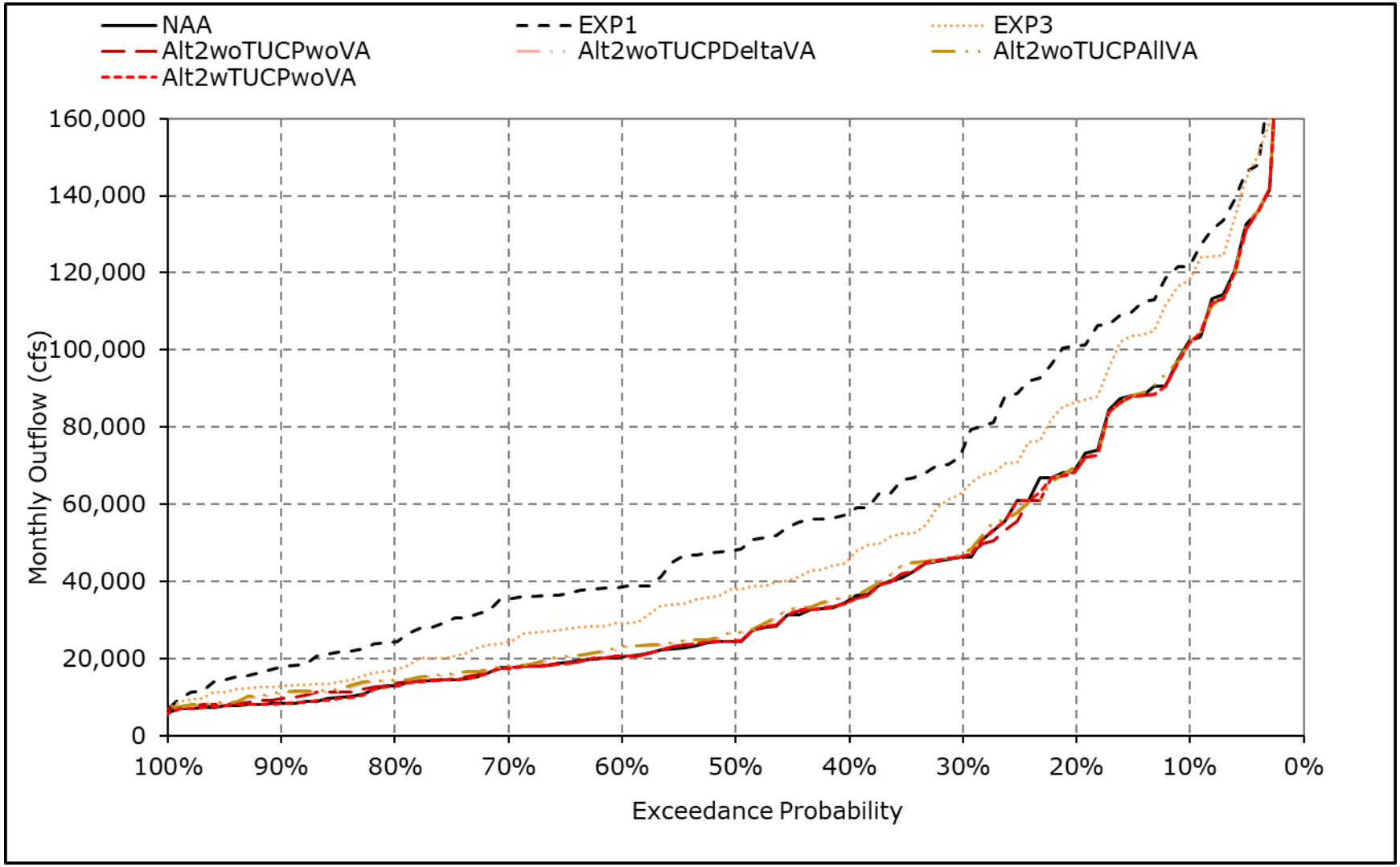
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-11. Delta Outflow, February



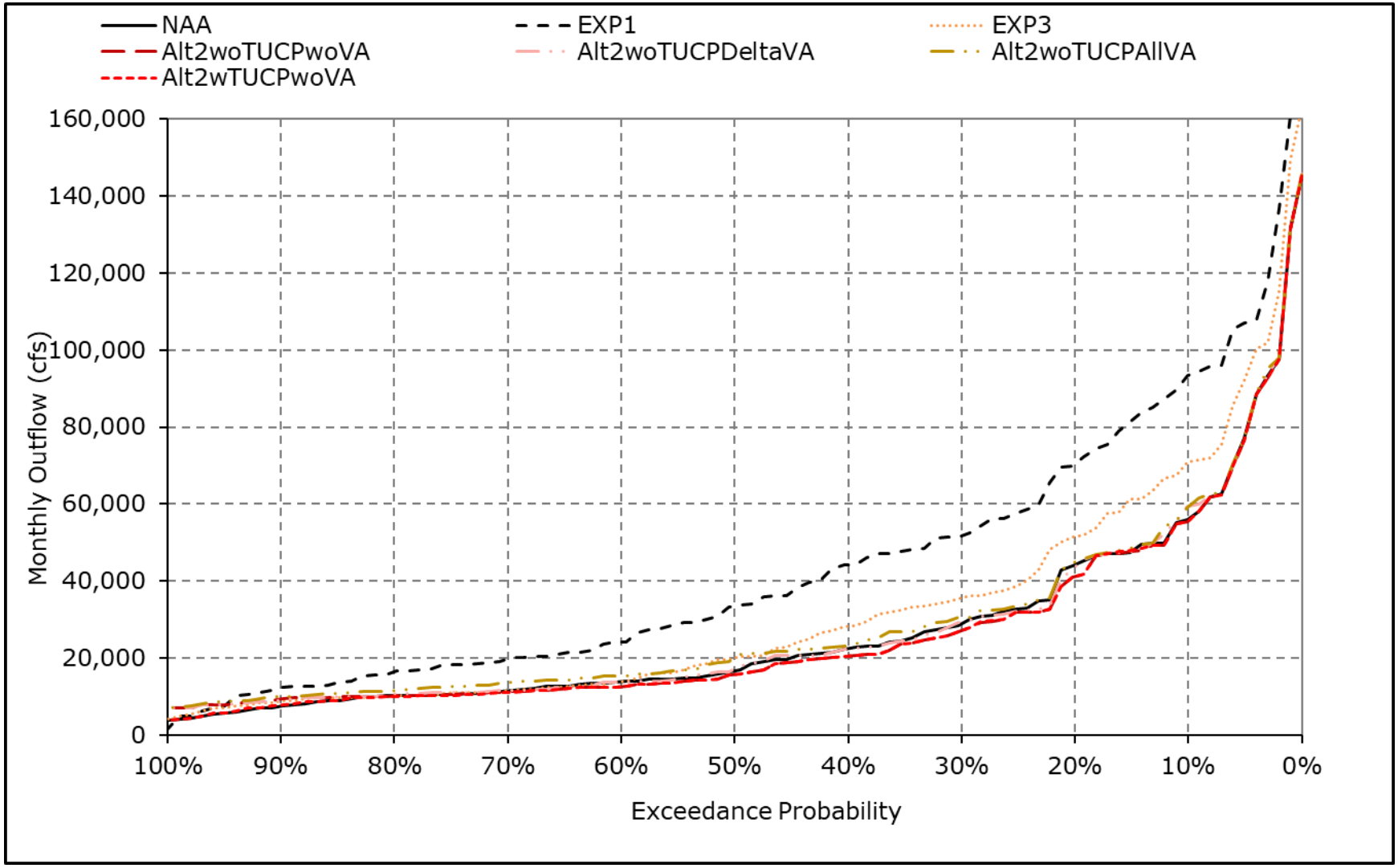
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-12. Delta Outflow, March



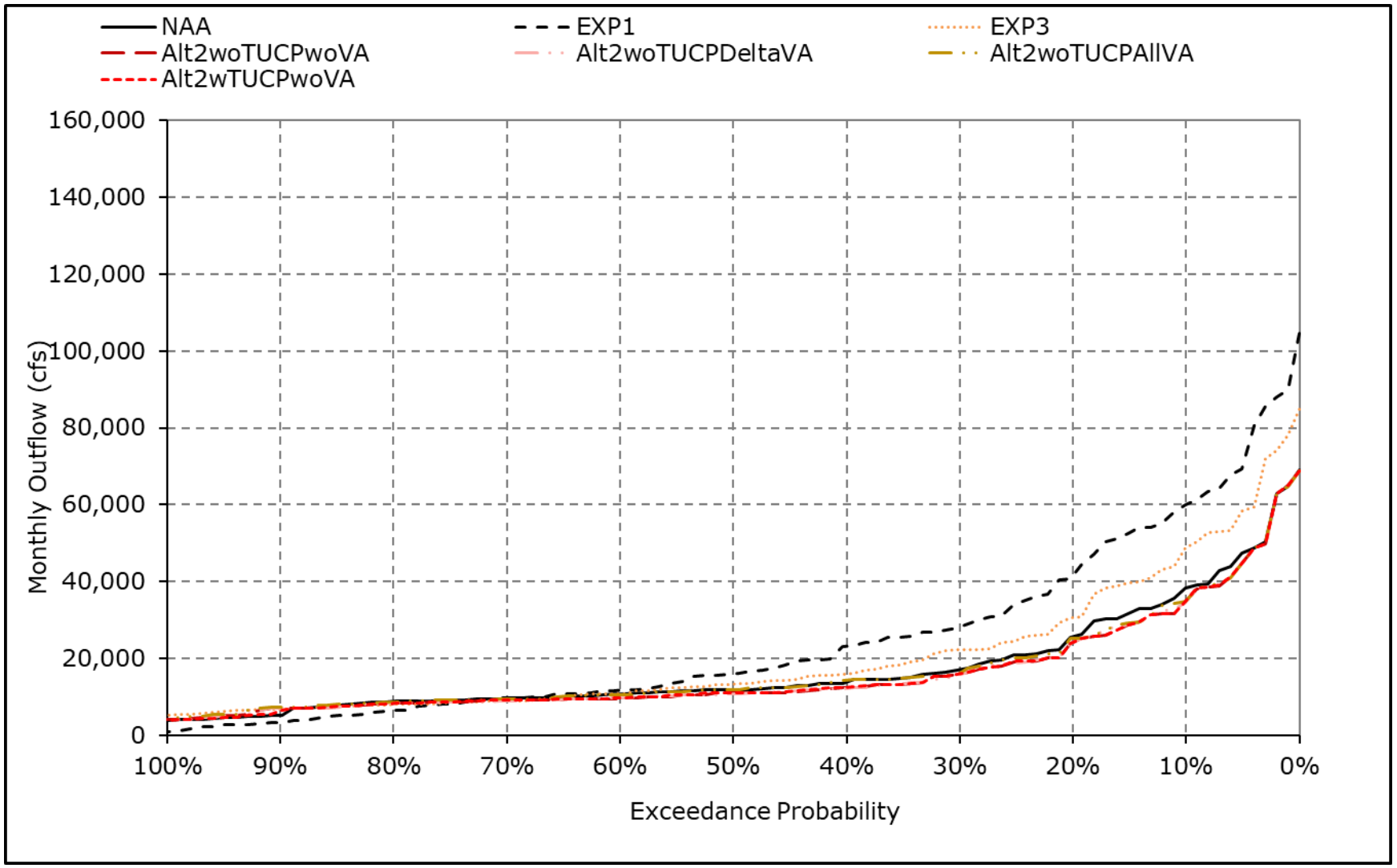
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-13. Delta Outflow, April



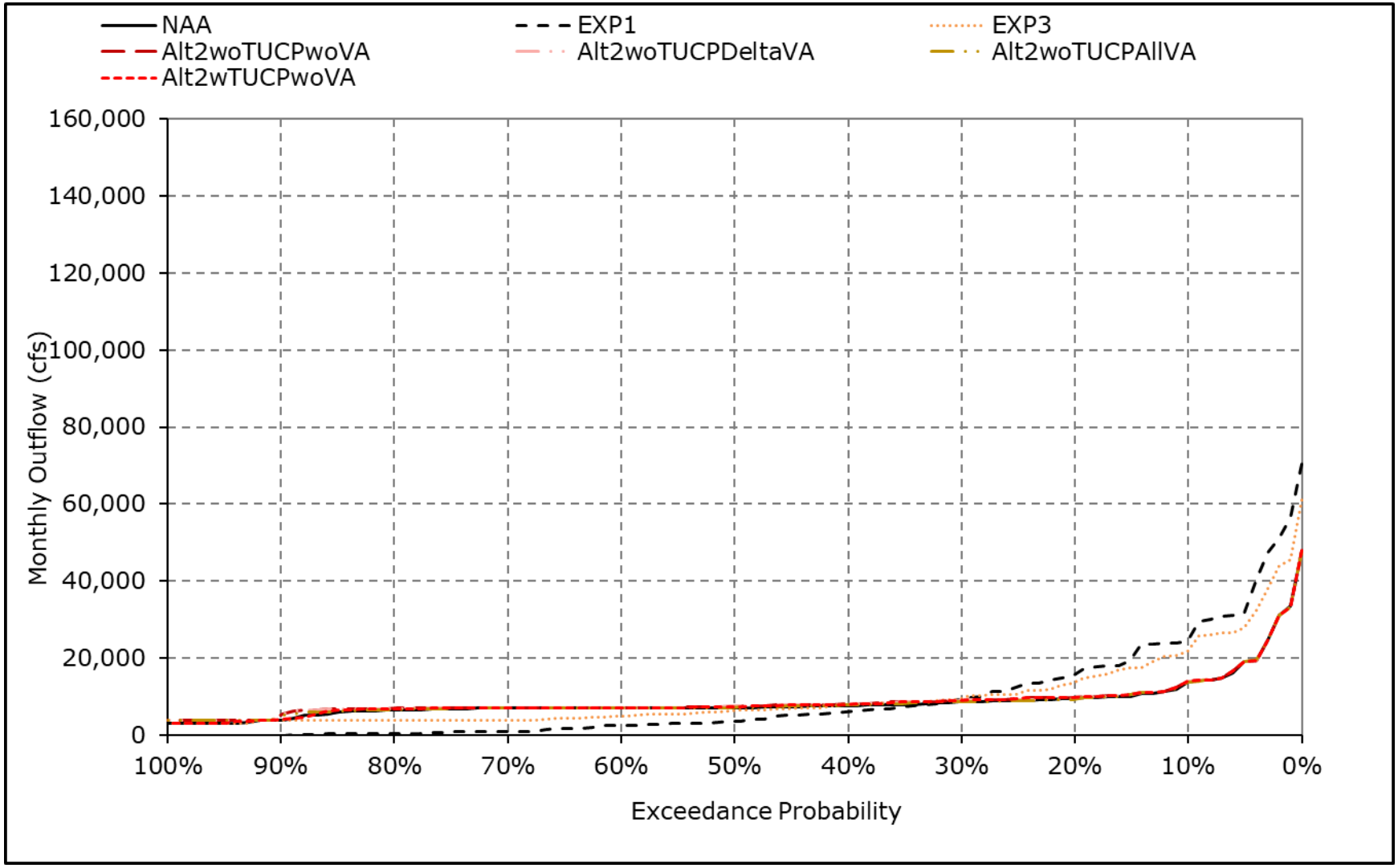
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-14. Delta Outflow, May



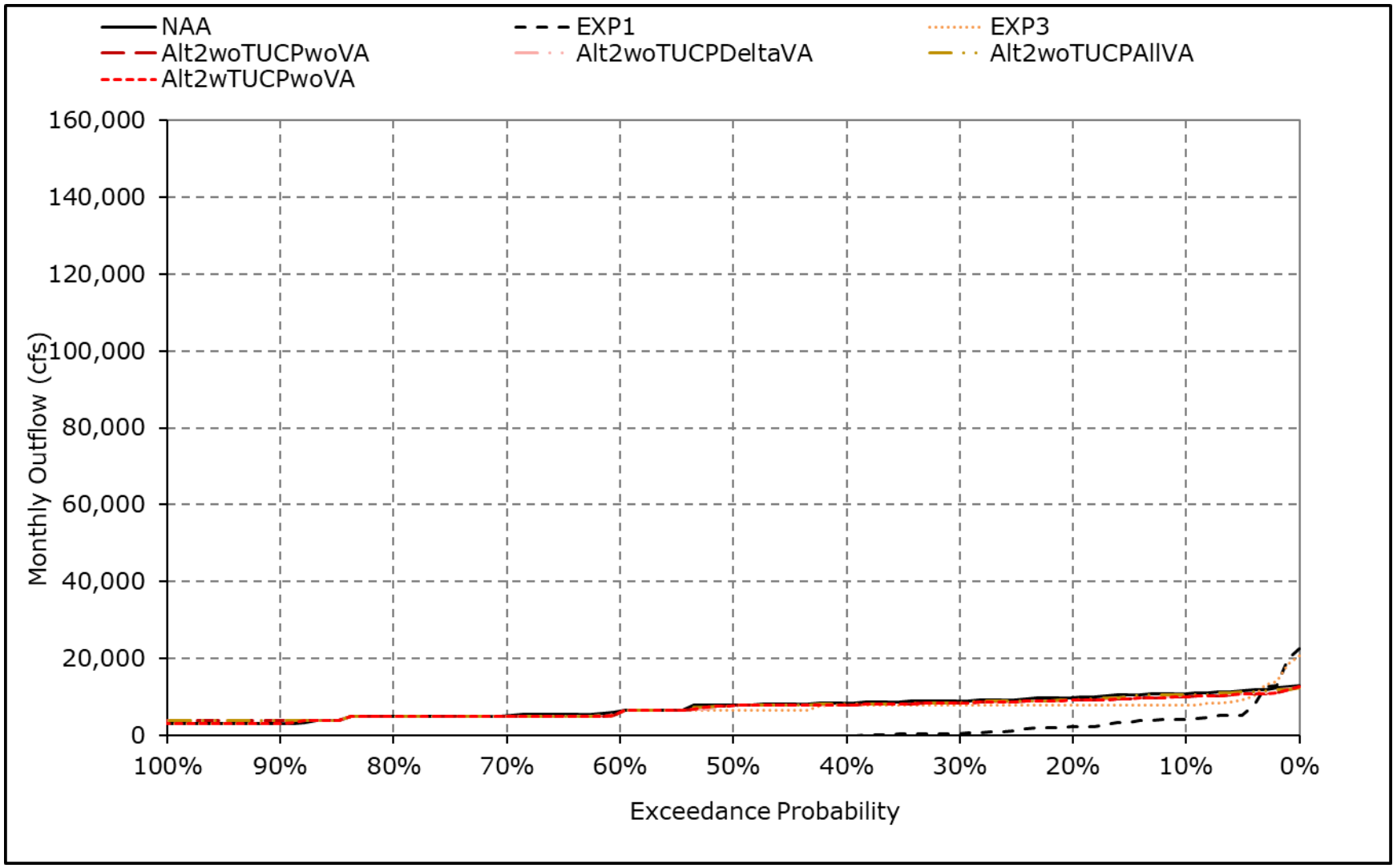
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-15. Delta Outflow, June



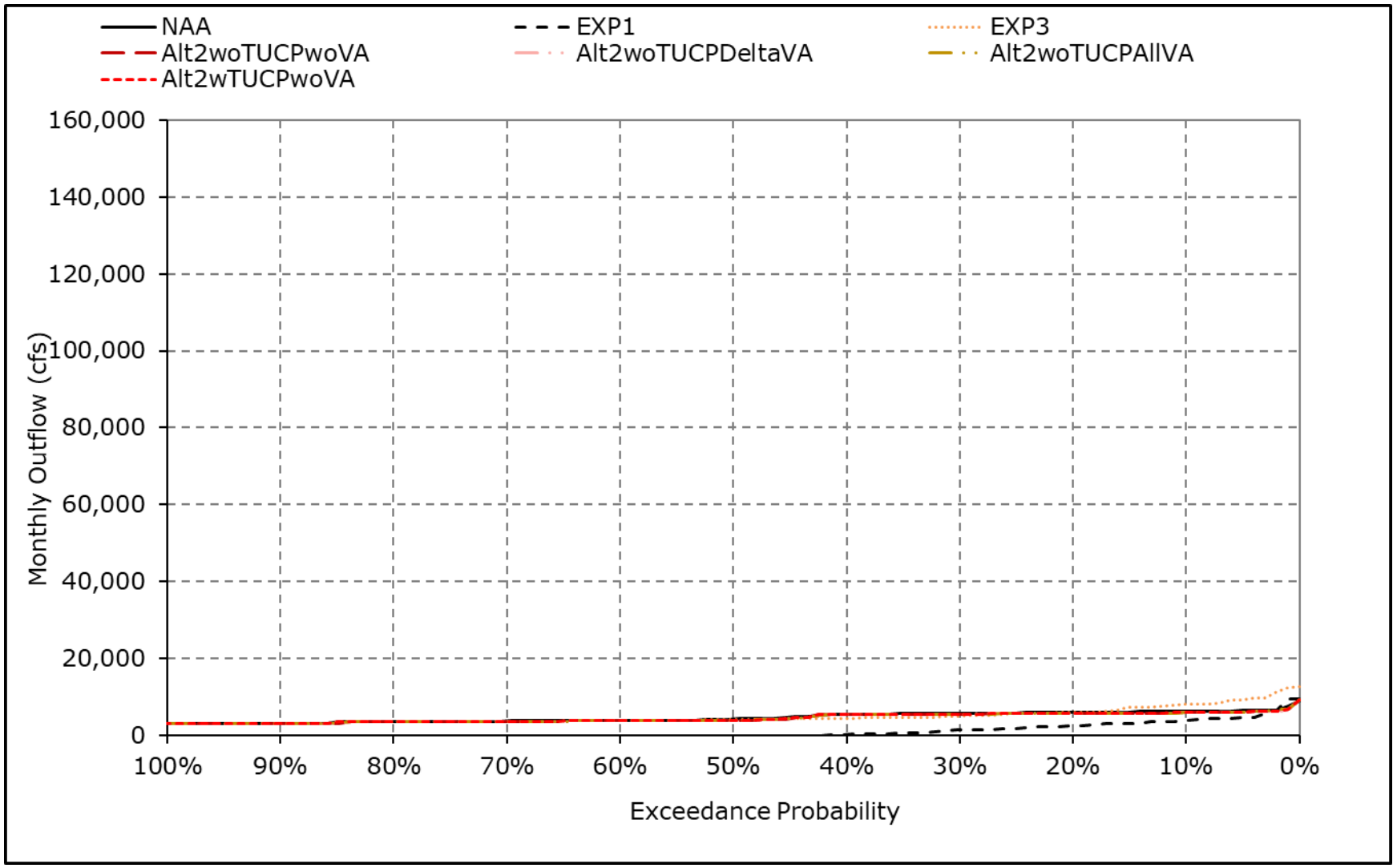
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-16. Delta Outflow, July



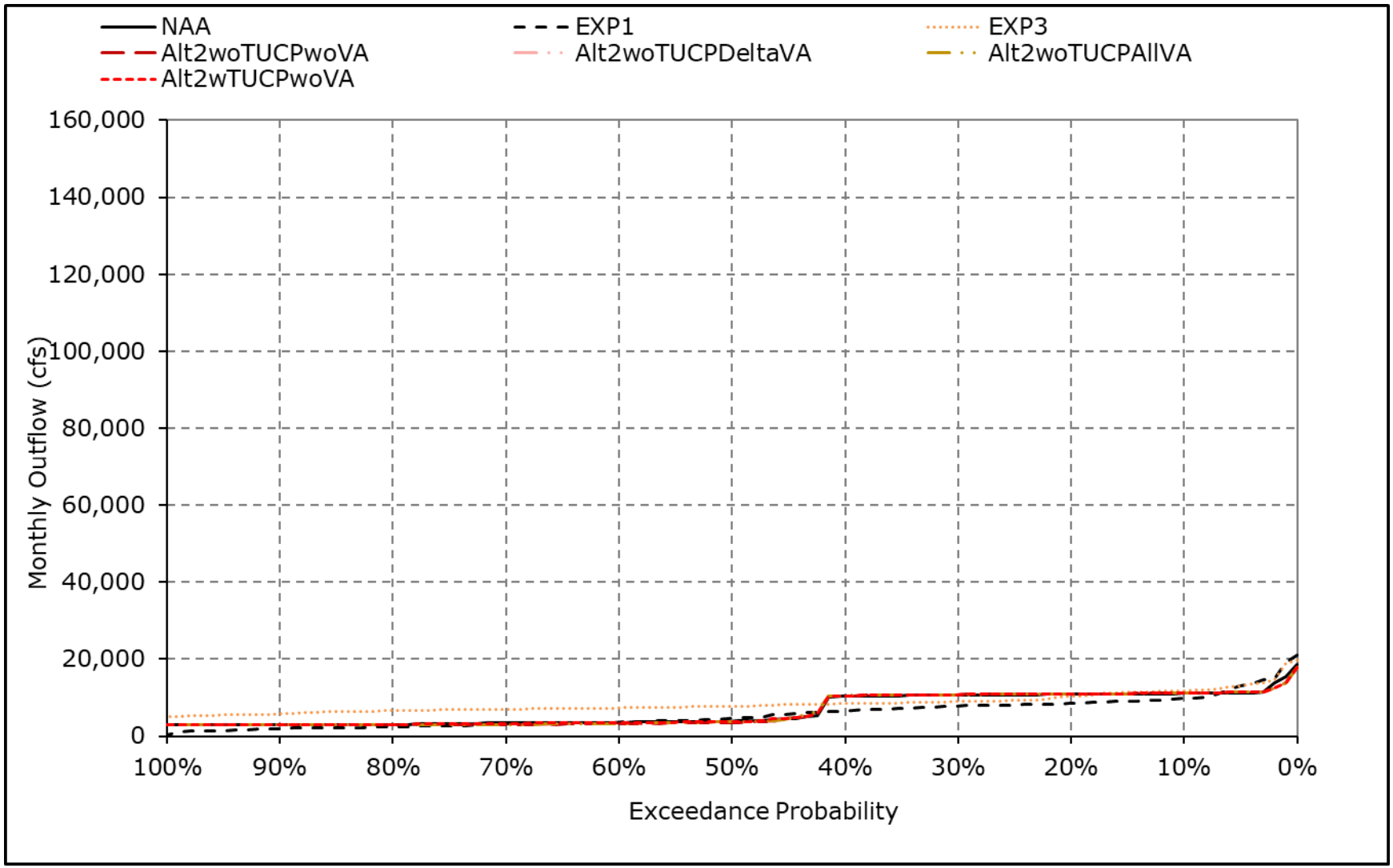
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-17. Delta Outflow, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.2-24-18. Delta Outflow, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.